

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114857.D
 Acq On : 6 Jun 2019 12:36
 Operator : HP/JU
 Sample : K3150-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

Quant Time: Jun 06 23:59:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	453227	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1824971	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	929560	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1708551	20.00	ng	0.00
76) Chrysene-d12	13.80	240	892950	20.00	ng	0.01
87) Perylene-d12	15.19	264	1102373	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	3048586	117.53	ng	0.04
7) Phenol-d6	6.32	99	3345390	106.00	ng	0.02
23) Nitrobenzene-d5	7.23	82	2529647	85.33	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	1116597	111.46	ng	0.01
45) 2-Fluorobiphenyl	9.03	172	4801809	96.77	ng	0.00
79) Terphenyl-d14	12.76	244	4105024	89.40	ng	0.01

Target Compounds

						Qvalue
3) Pyridine	3.31	79	877335	25.778	ng	98
4) n-Nitrosodimethylamine	3.13	42	502917	40.375	ng	98
6) Aniline	6.33	93	238115	5.317	ng	# 1
8) 2-Chlorophenol	6.46	128	1231681	41.099	ng	98
9) Benzaldehyde	6.21	77	389398	17.787	ng	97
10) Phenol	6.33	94	1208165	33.474	ng	77
11) bis(2-Chloroethyl)ether	6.41	93	1193999	42.389	ng	98
12) 1,3-Dichlorobenzene	6.61	146	1339229	38.350	ng	99
13) 1,4-Dichlorobenzene	6.69	146	1368391	38.943	ng	98
14) 1,2-Dichlorobenzene	6.84	146	1236631	38.968	ng	100
15) Benzyl Alcohol	6.82	79	961626	40.291	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1648572	40.922	ng	97
17) 2-Methylphenol	6.94	107	1061431	41.435	ng	# 95
18) Hexachloroethane	7.18	117	507234	38.352	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	867661	41.530	ng	99
20) 3+4-Methylphenols	7.09	107	1194451	42.275	ng	91
22) Acetophenone	7.08	105	1774865	44.174	ng	# 98
24) Nitrobenzene	7.25	77	1314135	42.788	ng	99
25) Isophorone	7.50	82	2545918	43.439	ng	99
26) 2-Nitrophenol	7.57	139	740687	44.528	ng	94
27) 2,4-Dimethylphenol	7.62	122	1215477	48.076	ng	99
28) bis(2-Chloroethoxy)methane	7.71	93	1640626	43.791	ng	99
29) 2,4-Dichlorophenol	7.82	162	1192540	44.833	ng	99
30) 1,2,4-Trichlorobenzene	7.90	180	1286296	42.145	ng	98
31) Naphthalene	7.97	128	3769951	45.885	ng	99
32) Benzoic acid	7.73	122	391261	21.248	ng	100
33) 4-Chloroaniline	8.02	127	125070	3.191	ng	96
34) Hexachlorobutadiene	8.10	225	691064	39.826	ng	100
35) Caprolactam	8.40	113	165220	19.014	ng	95
36) 4-Chloro-3-methylphenol	8.51	107	1201660	45.400	ng	99
37) 2-Methylnaphthalene	8.66	142	2642905	46.377	ng	99
38) 1-Methylnaphthalene	8.76	142	2504692	46.346	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	1111999	41.510	ng	99
41) Hexachlorocyclopentadiene	8.82	237	1165937	71.763	ng	99

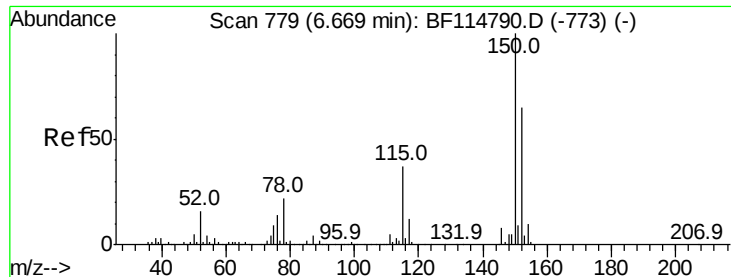
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114857.D
 Acq On : 6 Jun 2019 12:36
 Operator : HP/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	8.95	196	984080	47.242	ng	98
44) 2,4,5-Trichlorophenol	8.99	196	774176	36.904	ng	97
46) 1,1'-Biphenyl	9.13	154	3053208	44.317	ng	98
47) 2-Chloronaphthalene	9.15	162	2409856	41.165	ng	100
48) 2-Nitroaniline	9.25	65	698609	39.989	ng	100
49) Acenaphthylene	9.56	152	3696756	43.545	ng	100
50) Dimethylphthalate	9.44	163	2469255	36.371	ng	99
51) 2,6-Dinitrotoluene	9.49	165	605287	37.910	ng	95
52) Acenaphthene	9.74	154	2326732	41.839	ng	99
53) 3-Nitroaniline	9.65	138	98119	5.260	ng	92
54) 2,4-Dinitrophenol	9.76	184	269201	37.259	ng	93
55) Dibenzofuran	9.91	168	3153469	40.779	ng	99
56) 4-Nitrophenol	9.83	139	947555	69.329	ng	99
57) 2,4-Dinitrotoluene	9.90	165	798151	39.765	ng	97
58) Fluorene	10.25	166	2209657	44.477	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.03	232	686631	39.950	ng	99
60) Diethylphthalate	10.13	149	2587061	37.975	ng	99
61) 4-Chlorophenyl-phenylether	10.25	204	1117865	37.743	ng	97
62) 4-Nitroaniline	10.27	138	608994	33.663	ng	98
63) Azobenzene	10.40	77	2323973	40.075	ng	99
65) 4,6-Dinitro-2-methylphenol	10.30	198	230161	25.933	ng	93
66) n-Nitrosodiphenylamine	10.36	169	2249205	43.536	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	808438	41.662	ng	99
68) Hexachlorobenzene	10.80	284	841256	39.612	ng	95
69) Atrazine	10.89	200	735056	40.909	ng	98
70) Pentachlorophenol	10.99	266	821276	66.895	ng	99
71) Phenanthrene	11.20	178	3451220	42.313	ng	99
72) Anthracene	11.26	178	3404222	39.659	ng	100
73) Carbazole	11.40	167	3088517	41.972	ng	100
74) Di-n-butylphthalate	11.75	149	3845320	39.731	ng	100
75) Fluoranthene	12.38	202	3385966	39.885	ng	98
77) Benzidine	12.50	184	389333	8.807	ng	95
78) Pyrene	12.61	202	3328069	42.963	ng	99
80) Butylbenzylphthalate	13.23	149	1753610	44.829	ng	99
81) Benzo(a)anthracene	13.79	228	2844866	41.343	ng	99
82) 3,3'-Dichlorobenzidine	13.75	252	326325	11.695	ng	99
83) Chrysene	13.83	228	2842749	42.468	ng	99
84) Bis(2-ethylhexyl)phthalate	13.80	149	2099032	42.435	ng	99
85) Di-n-octyl phthalate	14.42	149	3746387	44.574	ng	100
86) Indeno(1,2,3-cd)pyrene	16.51	276	2777546	36.366	ng	99
88) Benzo(b)fluoranthene	14.81	252	2979075	42.450	ng	99
89) Benzo(k)fluoranthene	14.84	252	2600073	43.628	ng	99
90) Benzo(a)pyrene	15.14	252	2665972	43.890	ng	99
91) Dibenzo(a,h)anthracene	16.53	278	2280466	39.644	ng	99
92) Benzo(g,h,i)perylene	16.91	276	2314083	40.004	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

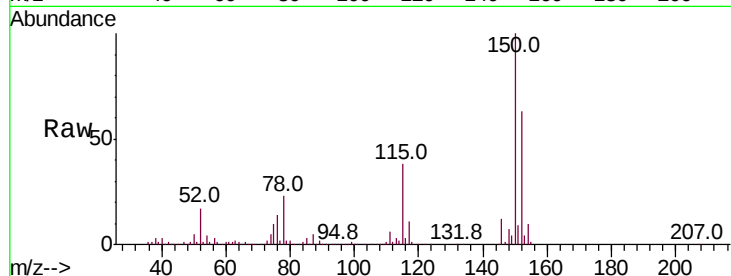


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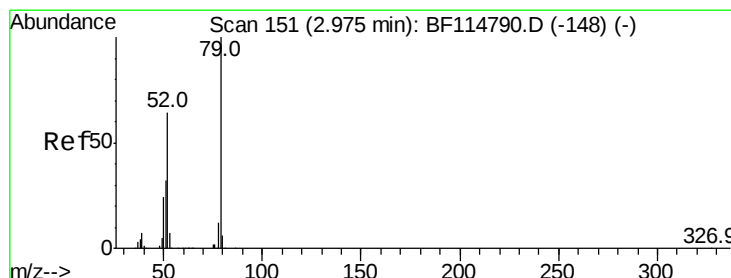
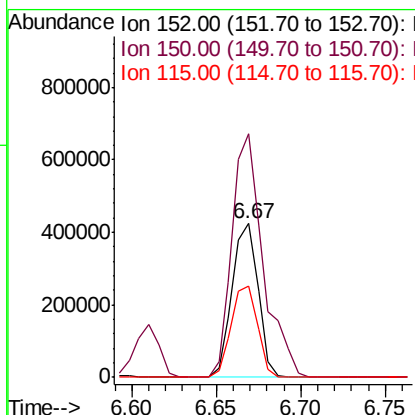
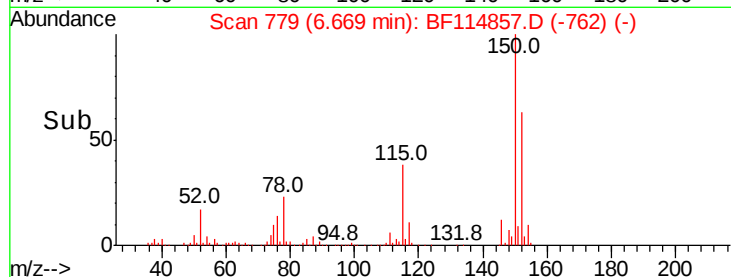
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:152 Resp: 453227
Ion Ratio Lower Upper
152 100
150 158.3 124.0 186.0
115 59.4 46.3 69.5



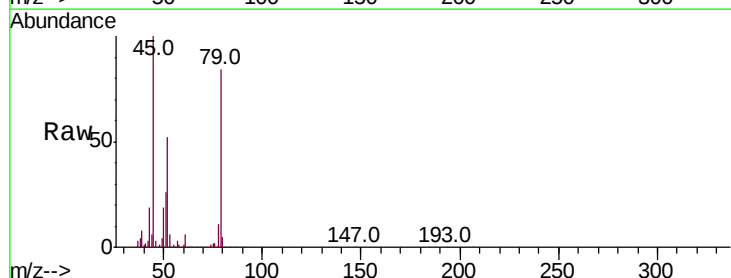
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



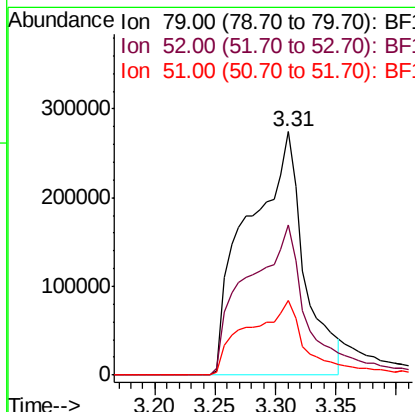
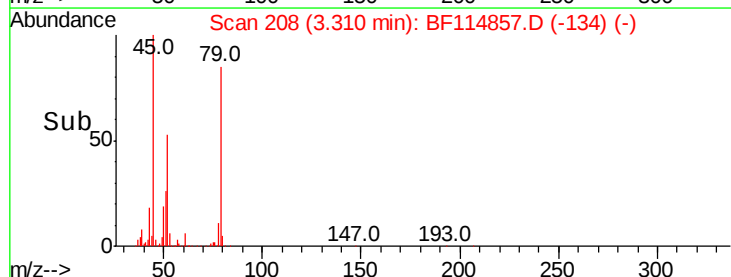
#3

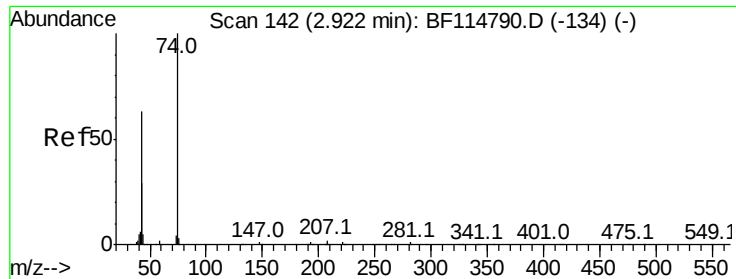
Pyridine
Concen: 25.778 ng
RT: 3.31 min Scan# 208
Delta R.T. 0.34 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion: 79 Resp: 877335
Ion Ratio Lower Upper
79 100
52 61.9 51.0 76.4
51 30.8 25.7 38.5



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



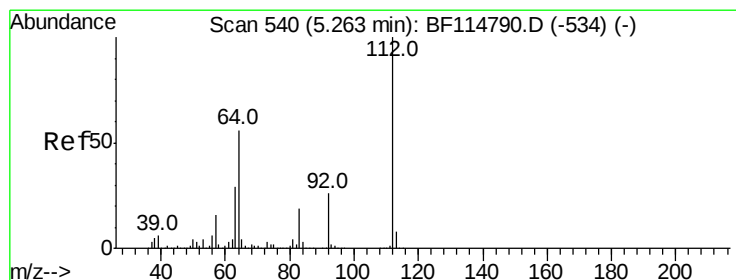
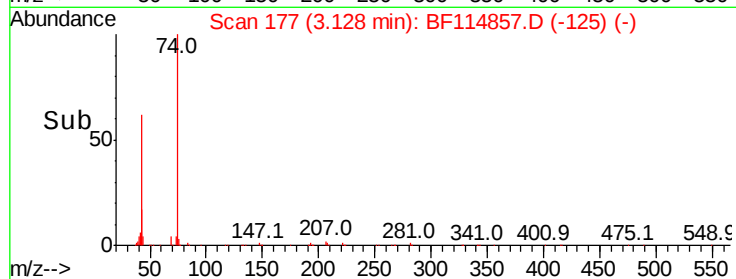
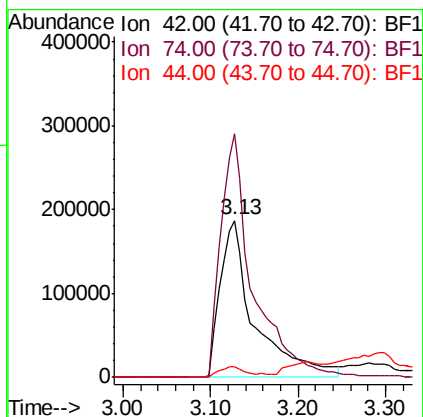
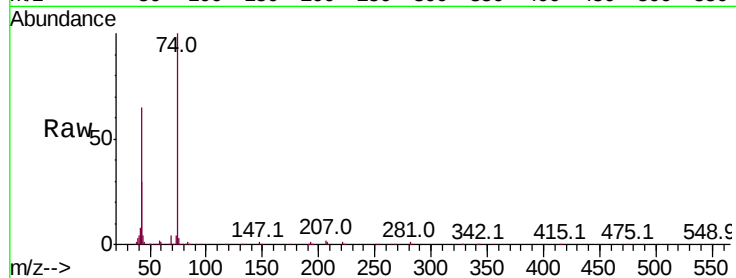


#4

n-Nitrosodimethylamine
 Concen: 40.375 ng
 RT: 3.13 min Scan# 177
 Delta R.T. 0.21 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

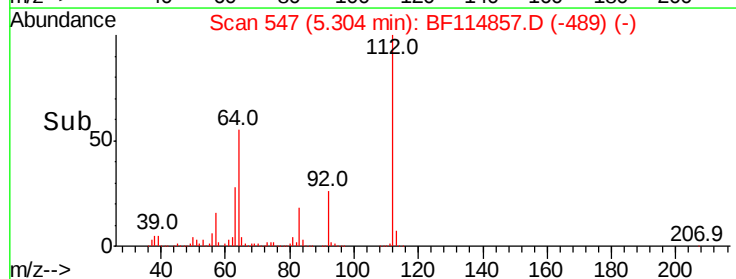
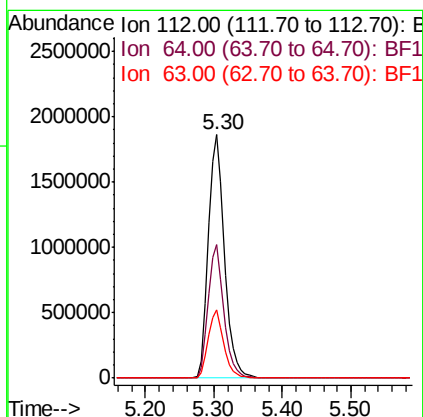
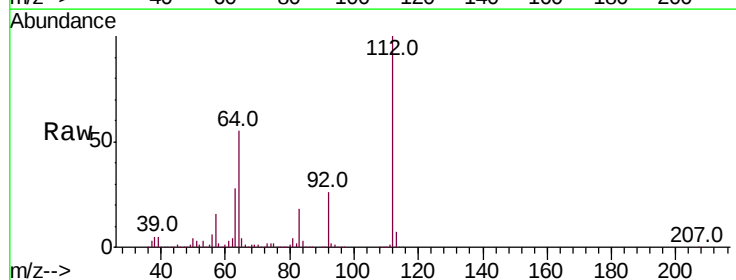
Tot Ion	Ratio	Lower	Upper
42	100		
74	155.0	126.2	189.2
44	6.7	5.9	8.9

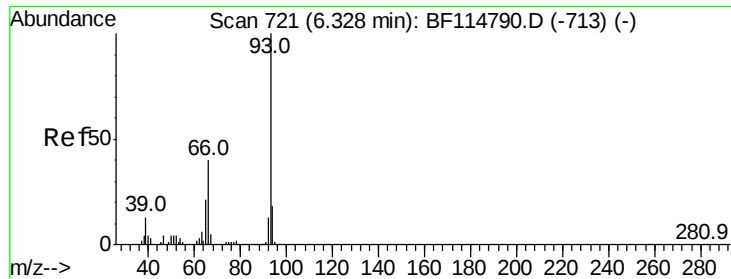


#5

2-Fluorophenol
 Concen: 117.534 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.04 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	28.1	23.0	34.4





#6

Aniline

Concen: 5.317 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

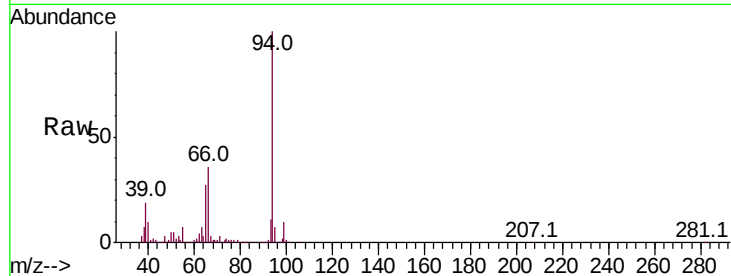
Tot Ion: 93 Resp: 238115

Ion Ratio Lower Upper

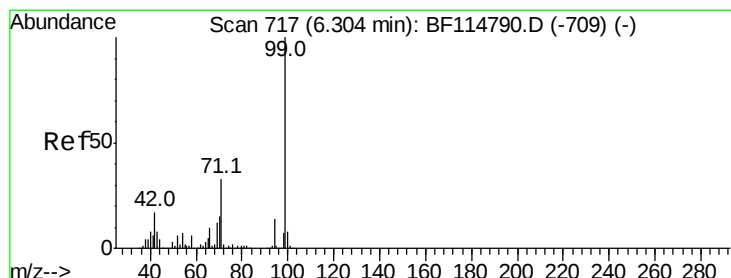
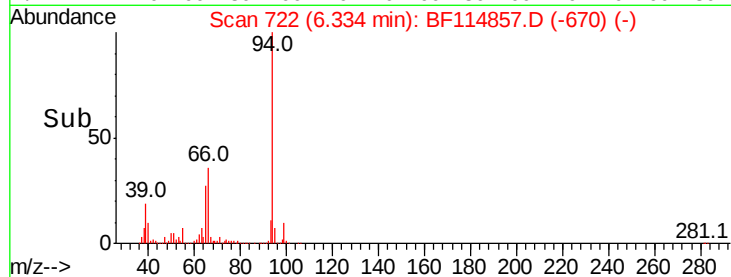
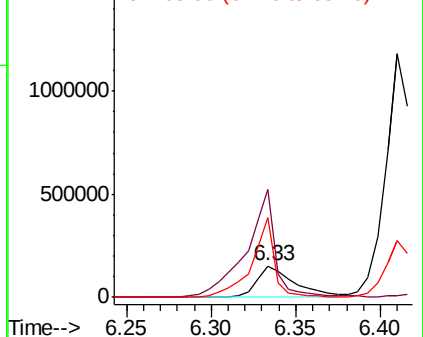
93 100

66 342.5 32.8 49.2#

65 252.9 16.9 25.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 105.996 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.02 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

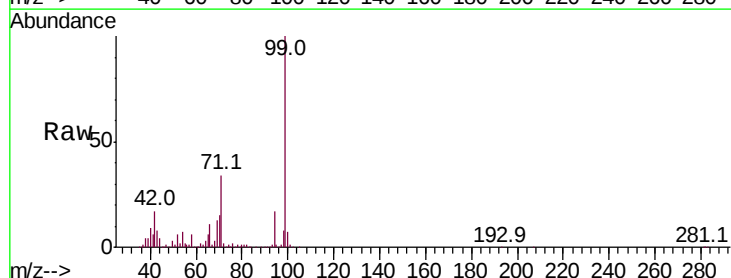
Tgt Ion: 99 Resp: 3345390

Ion Ratio Lower Upper

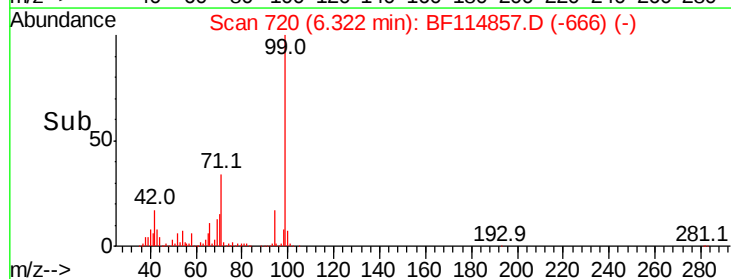
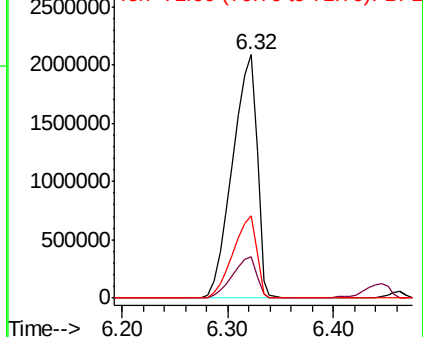
99 100

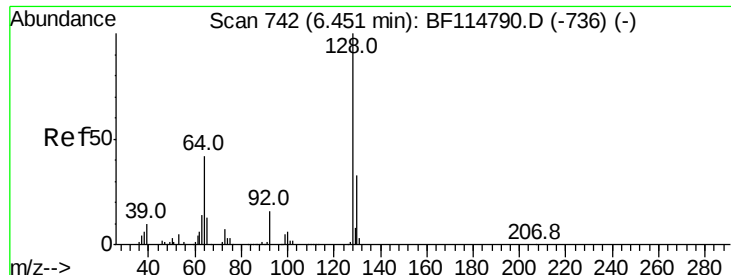
42 16.8 13.3 19.9

71 34.0 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#8

2-Chlorophenol

Concen: 41.099 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

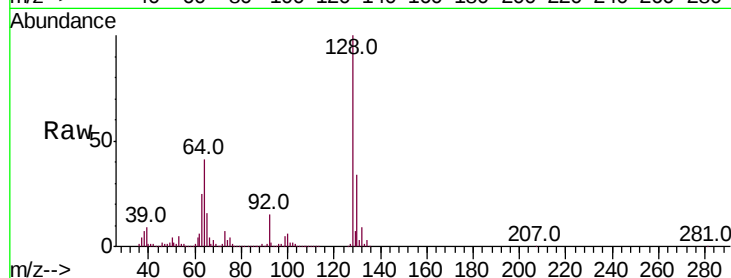
Tot Ion:128 Resp: 1231681

Ion Ratio Lower Upper

128 100

130 33.8 12.7 52.7

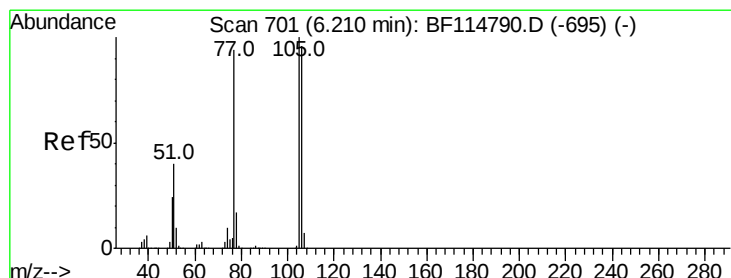
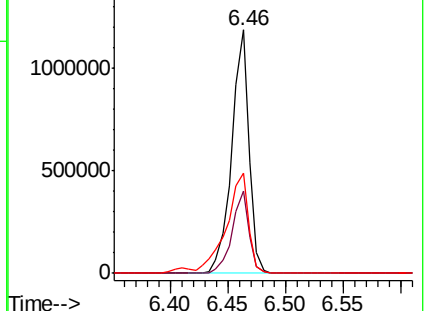
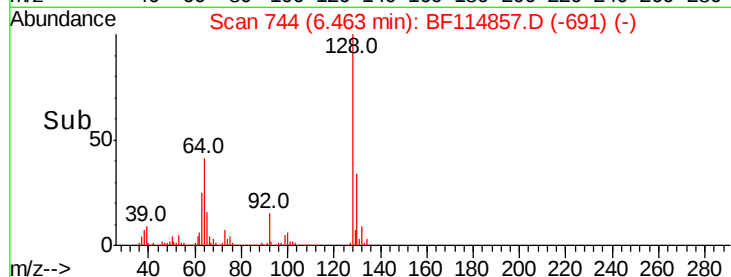
64 41.2 22.5 62.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 17.787 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

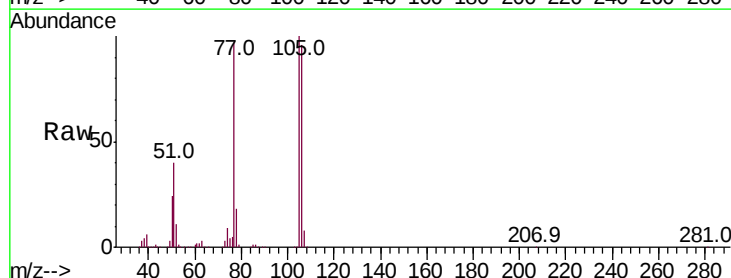
Tgt Ion: 77 Resp: 389398

Ion Ratio Lower Upper

77 100

105 103.0 85.8 125.8

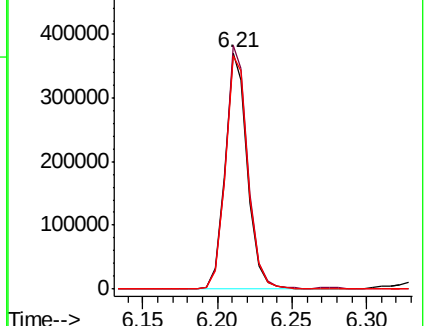
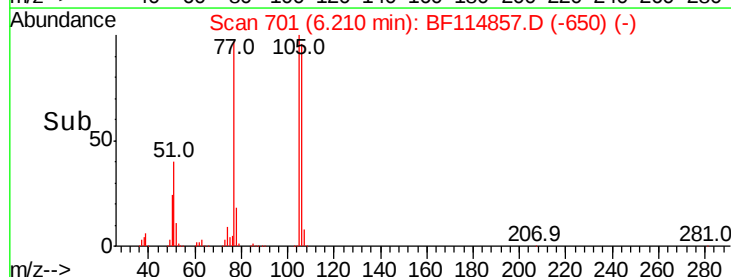
106 98.8 81.6 121.6

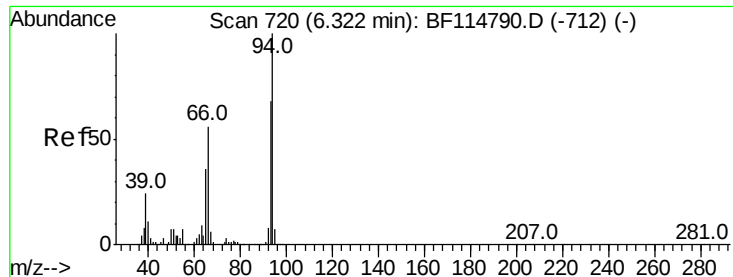


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 33.474 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

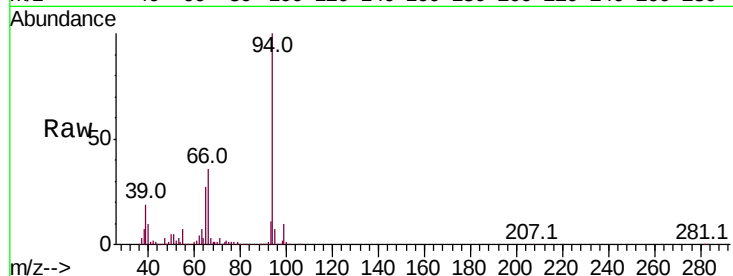
BNA_F

ClientSampleId :

IRONBOUND-TPMS

Tot Ion: 94 Resp: 1208165

Ion	Ratio	Lower	Upper
94	100		
65	26.9	16.1	56.1
66	36.5	36.3	76.3

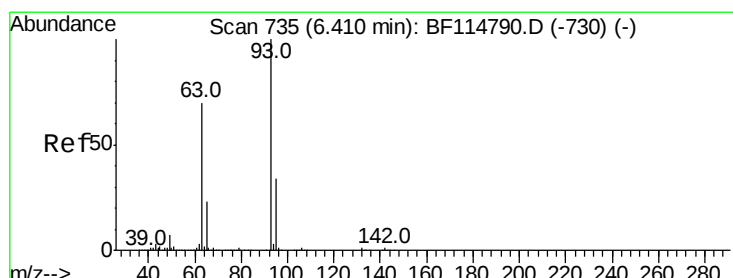
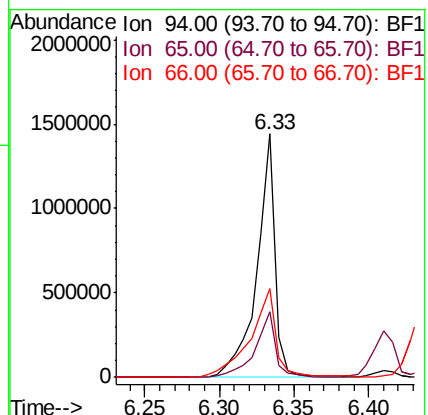
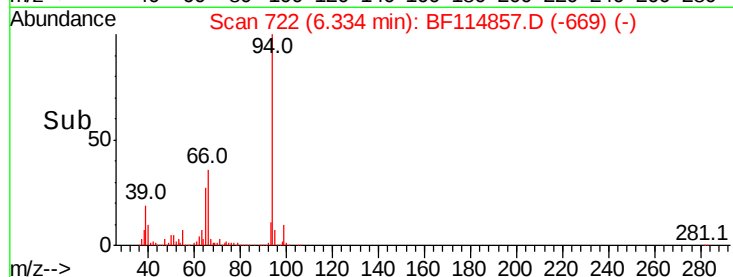


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 42.389 ng

RT: 6.41 min Scan# 735

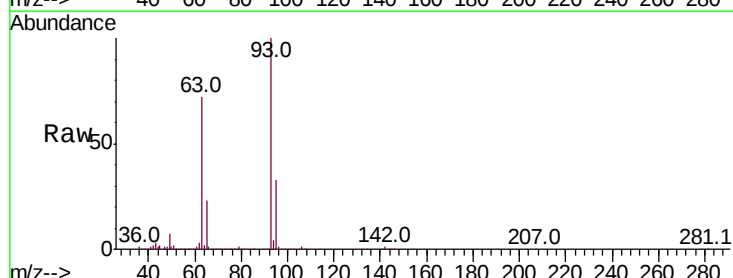
Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion: 93 Resp: 1193999

Ion	Ratio	Lower	Upper
93	100		
63	71.6	49.6	89.6
95	33.2	13.6	53.6

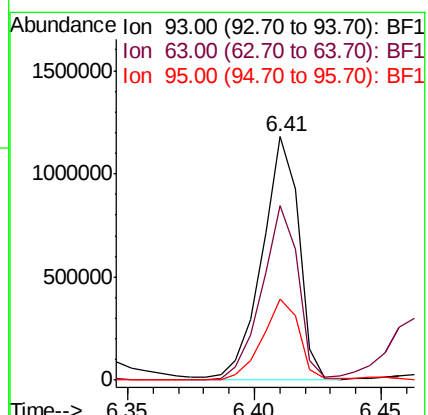
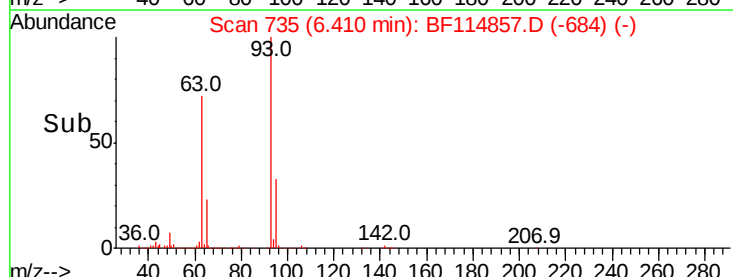


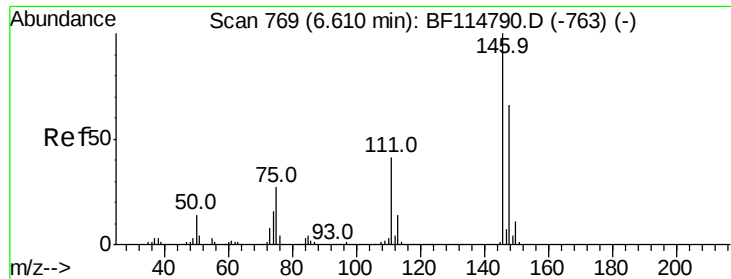
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#12

1,3-Dichlorobenzene

Concen: 38.350 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

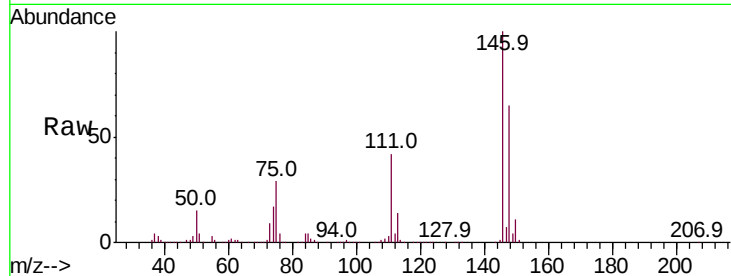
Tot Ion:146 Resp: 1339229

Ion Ratio Lower Upper

146 100

148 65.4 52.7 79.1

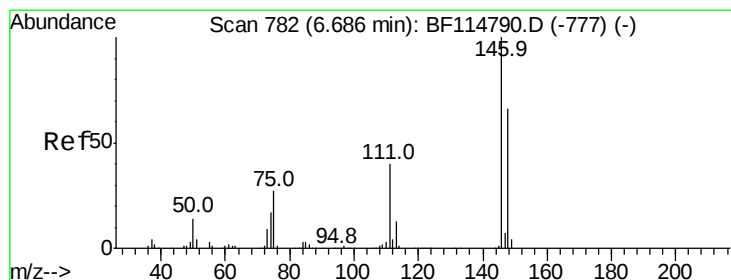
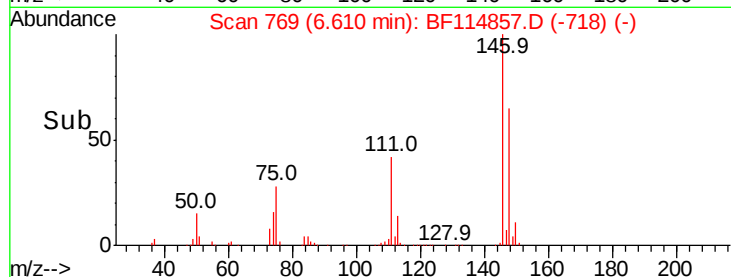
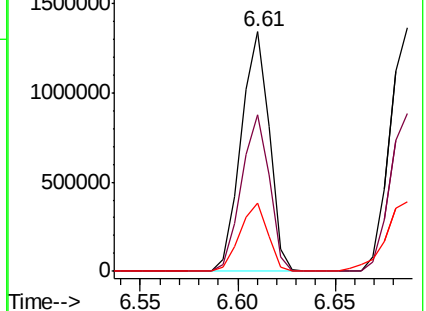
75 28.6 22.0 33.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 38.943 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

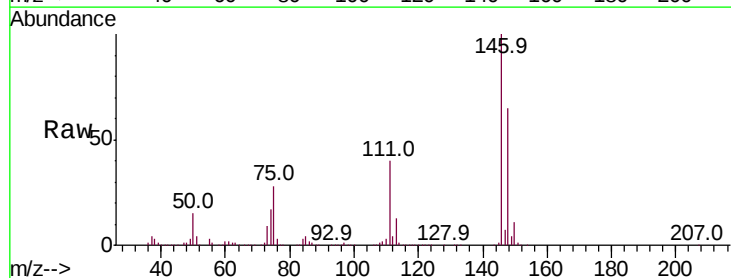
Tgt Ion:146 Resp: 1368391

Ion Ratio Lower Upper

146 100

148 64.6 53.0 79.4

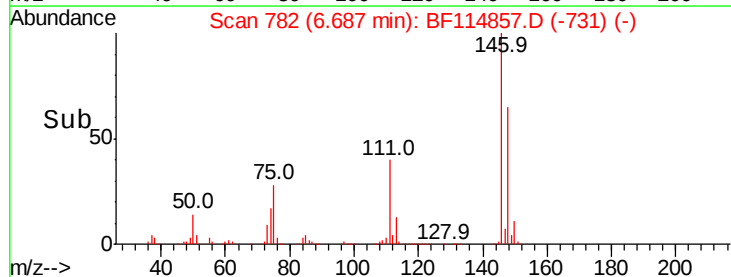
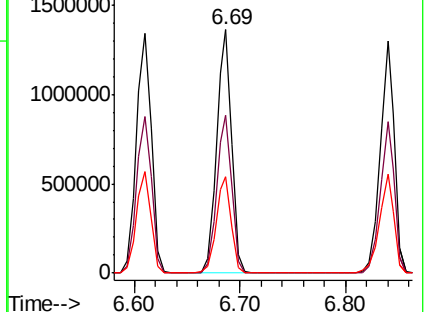
111 39.6 32.2 48.4

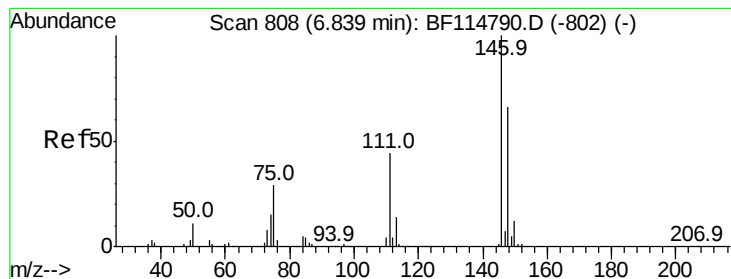


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 38.968 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

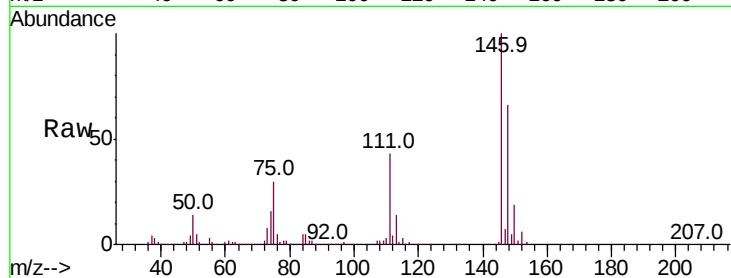
Tot Ion:146 Resp: 1236631

Ion Ratio Lower Upper

146 100

148 65.6 52.5 78.7

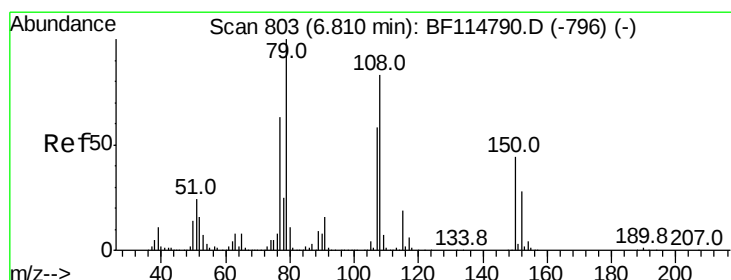
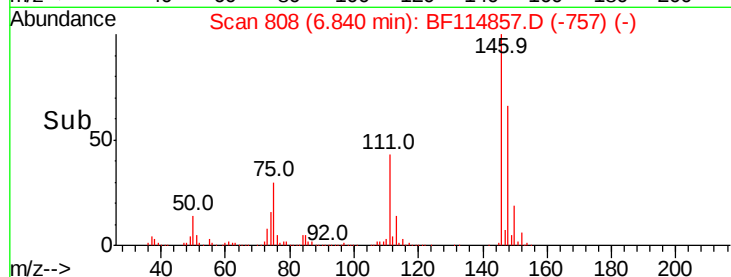
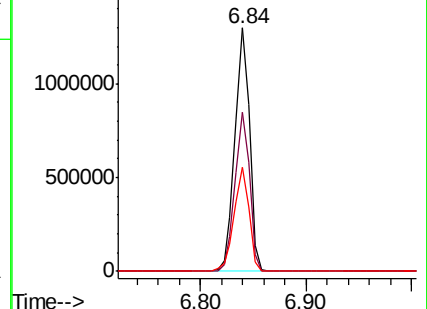
111 42.9 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 40.291 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

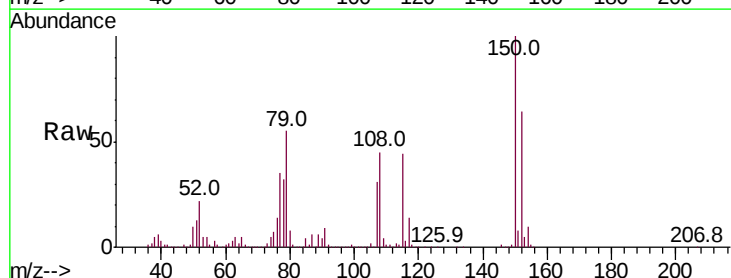
Tgt Ion: 79 Resp: 961626

Ion Ratio Lower Upper

79 100

108 81.4 66.8 100.2

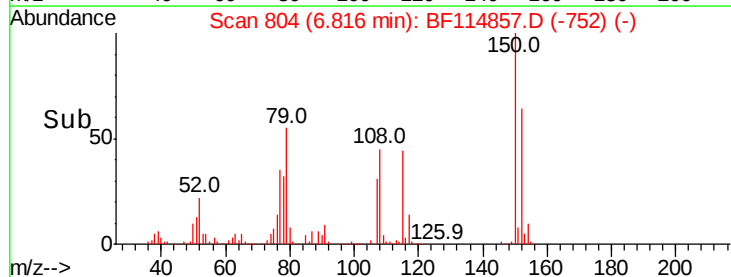
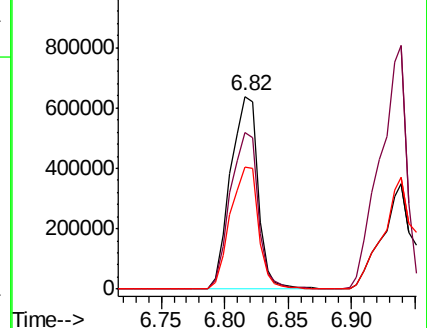
77 63.4 50.6 76.0

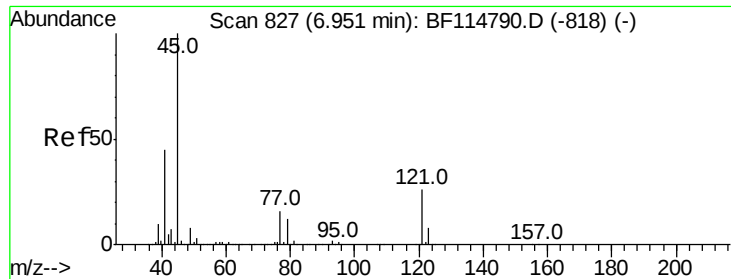


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

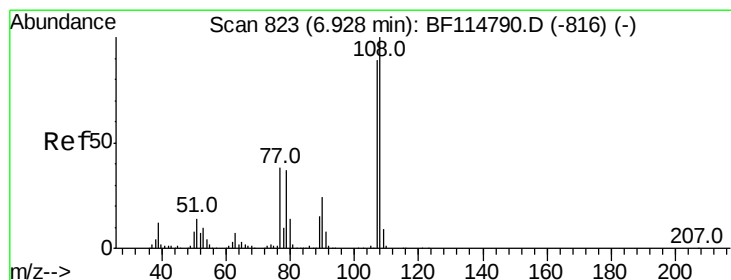
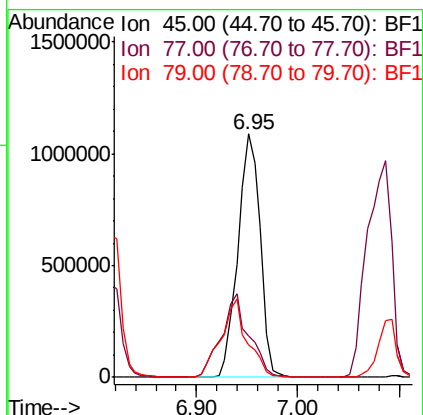
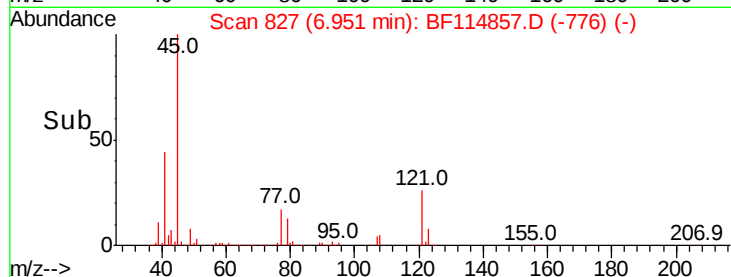
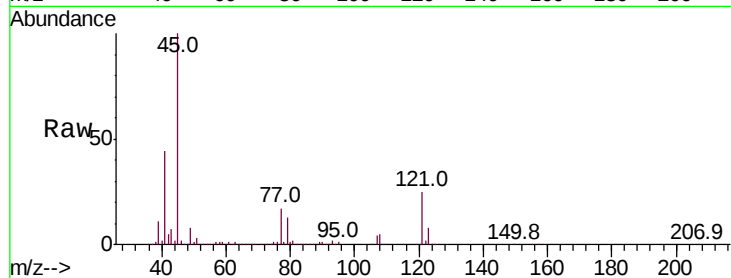




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 40.922 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

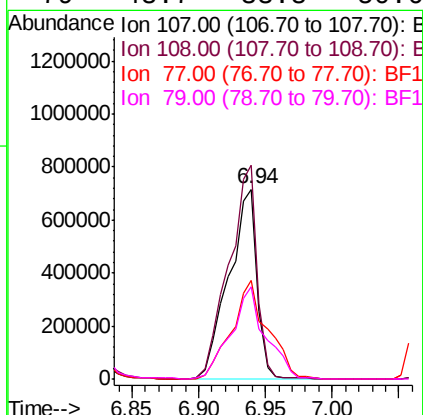
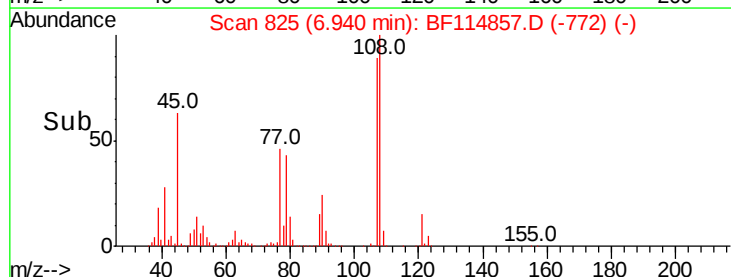
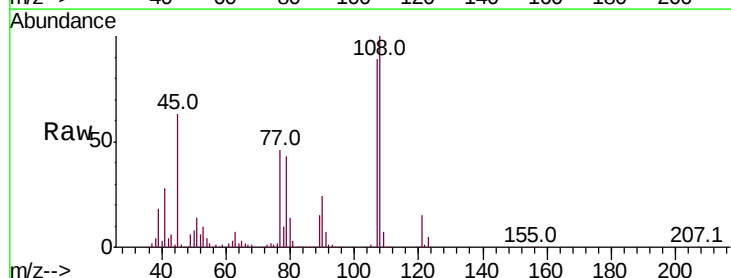
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

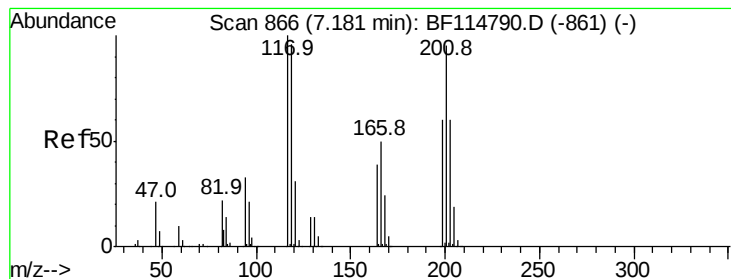
Tot Ion: 45 Resp: 1648572
Ion Ratio Lower Upper
45 100
77 17.2 0.0 35.8
79 13.3 0.0 32.0



#17
2-Methylphenol
Concen: 41.435 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:107 Resp: 1061431
Ion Ratio Lower Upper
107 100
108 112.6 90.2 135.2
77 51.9 34.5 51.7#
79 48.7 33.8 50.6





#18

Hexachloroethane

Concen: 38.352 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

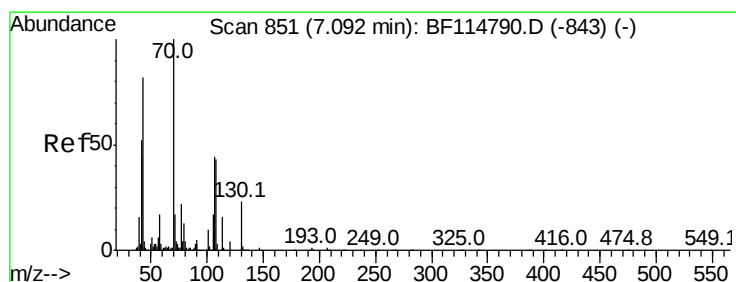
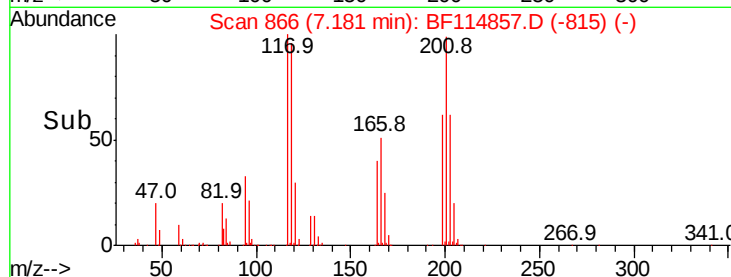
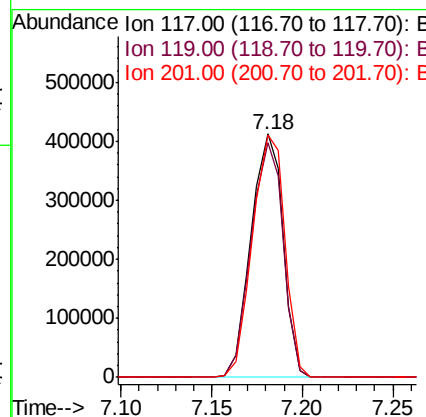
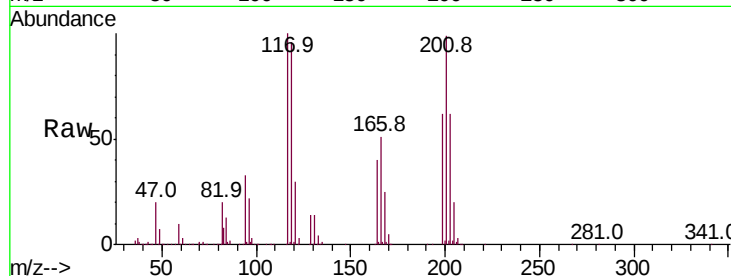
Tot Ion:117 Resp: 507234

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4

201 99.3 76.0 114.0



#19

n-Nitroso-di-n-propylamine

Concen: 41.530 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion: 70 Resp: 867661

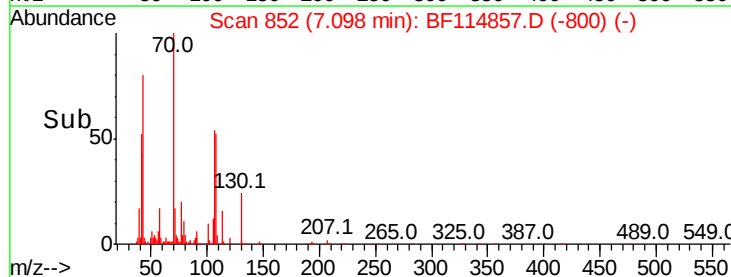
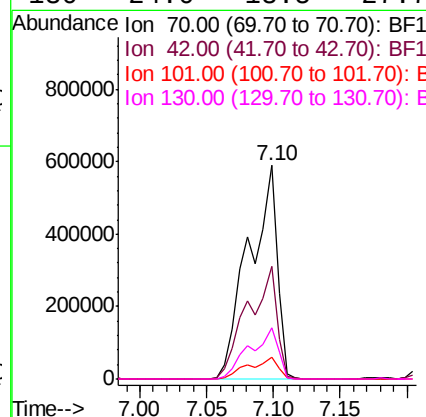
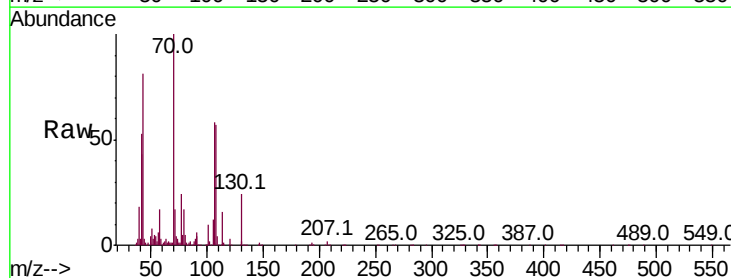
Ion Ratio Lower Upper

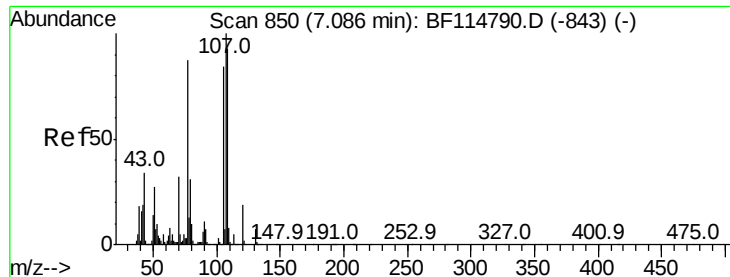
70 100

42 52.5 41.8 62.8

101 10.1 8.2 12.4

130 24.0 18.5 27.7

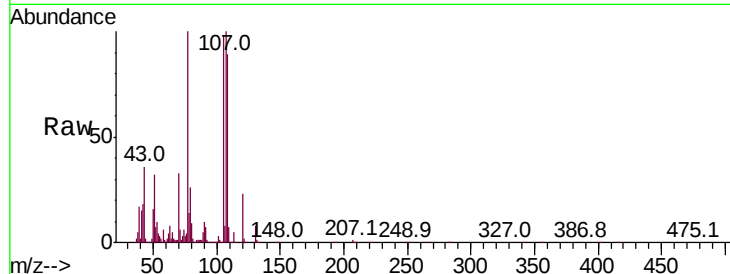




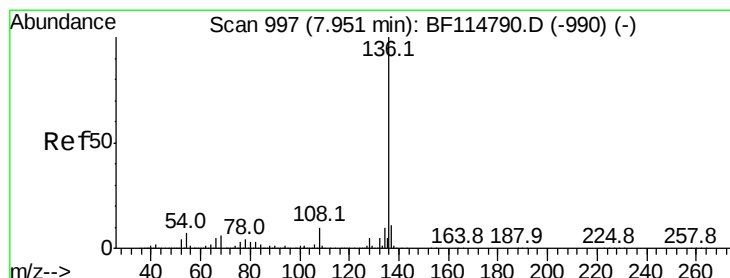
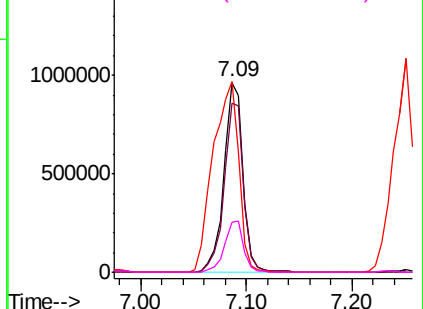
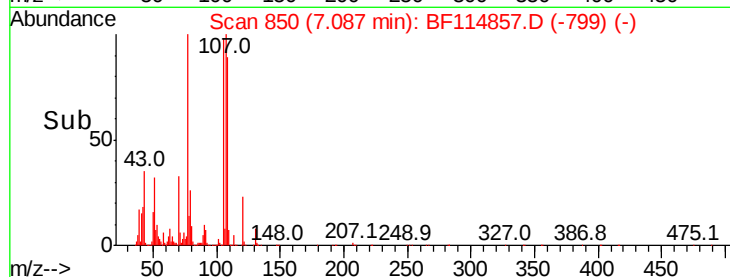
#20
3+4-Methylphenols
Concen: 42.275 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:107 Resp: 1194451
Ion Ratio Lower Upper
107 100
108 88.9 73.5 113.5
77 100.4 67.2 107.2
79 26.2 10.6 50.6

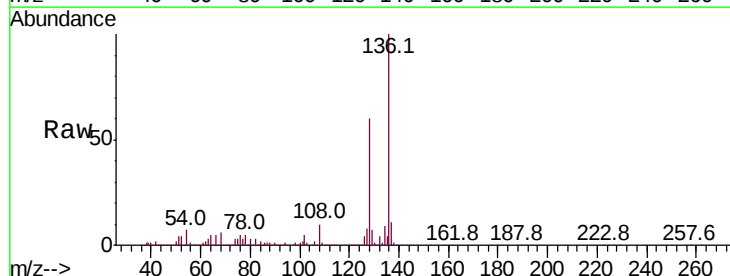


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

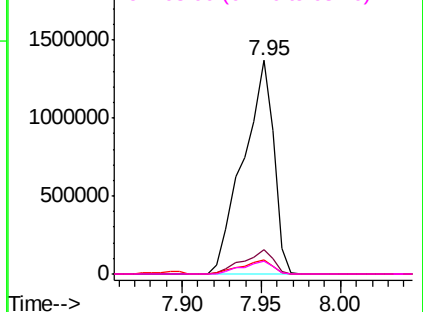
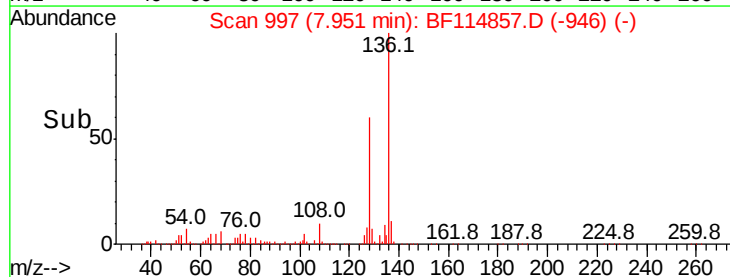


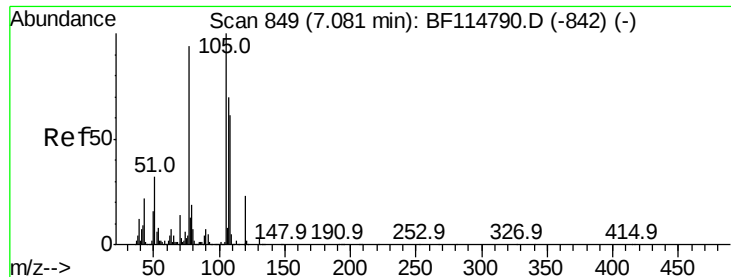
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:136 Resp: 1824971
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.9 5.4 8.0
68 6.3 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 44.174 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

Tot Ion:105 Resp: 1774865

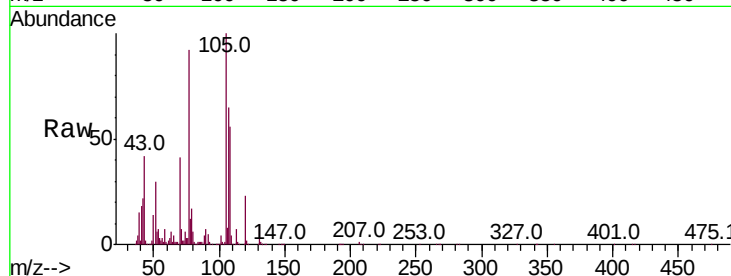
Ion Ratio Lower Upper

105 100

71 6.9 2.0 3.0#

51 30.2 25.4 38.0

120 23.1 18.7 28.1

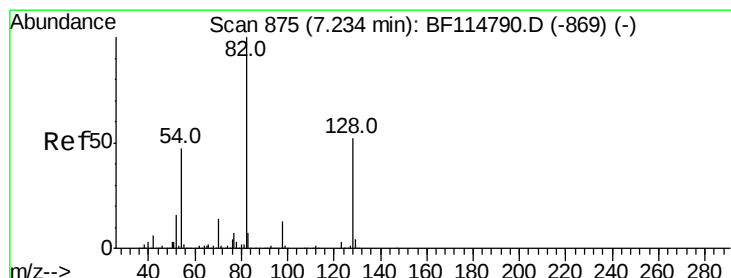
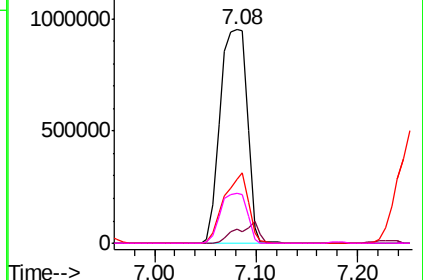
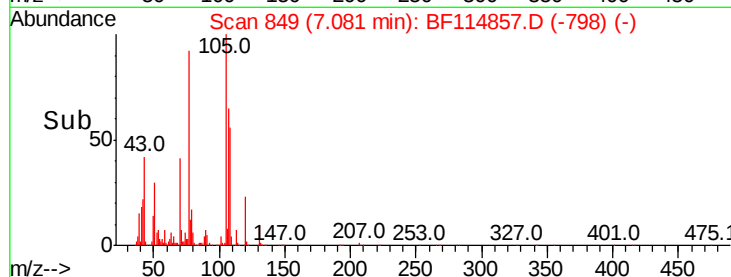


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 85.328 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

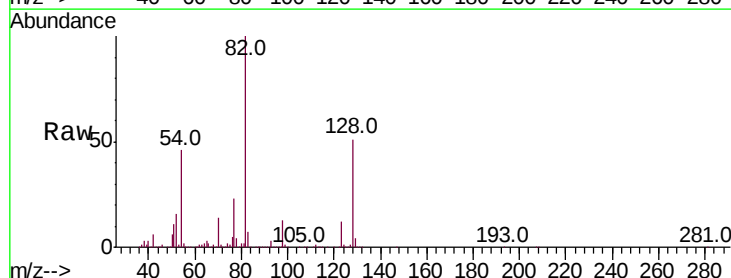
Tgt Ion: 82 Resp: 2529647

Ion Ratio Lower Upper

82 100

128 51.2 41.8 62.6

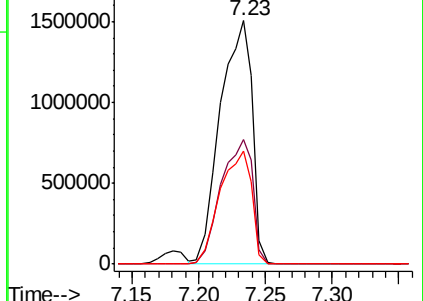
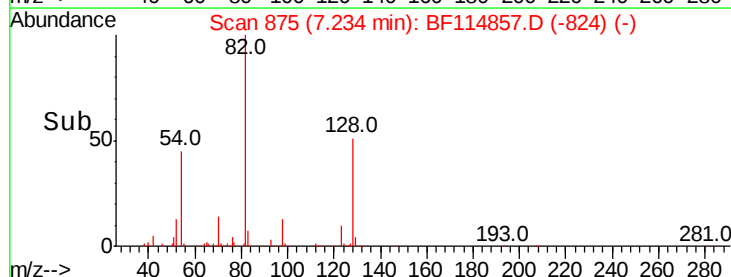
54 46.5 37.9 56.9

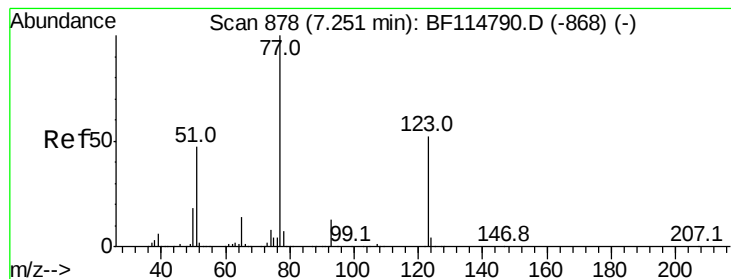


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 42.788 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

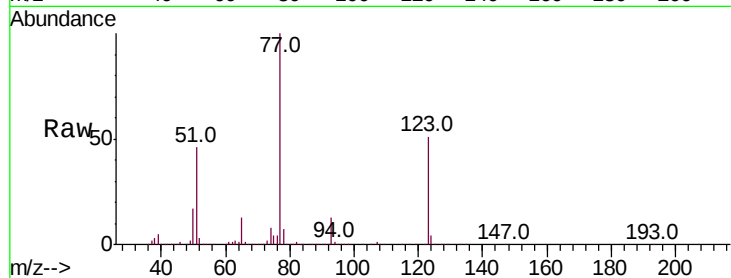
BNA_F

ClientSampleId :

IRONBOUND-TPMS

Tot Ion: 77 Resp: 1314135

Ion	Ratio	Lower	Upper
77	100		
123	50.9	41.5	62.3
65	13.3	10.8	16.2

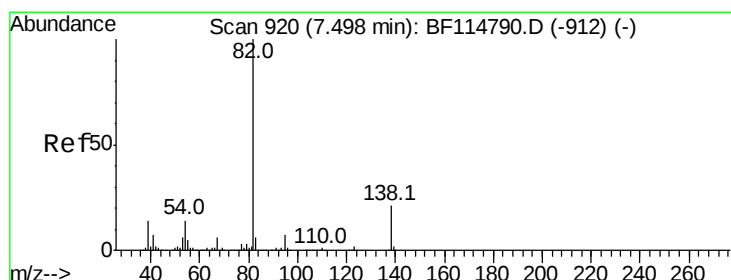
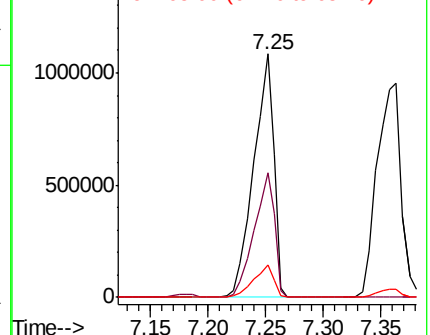
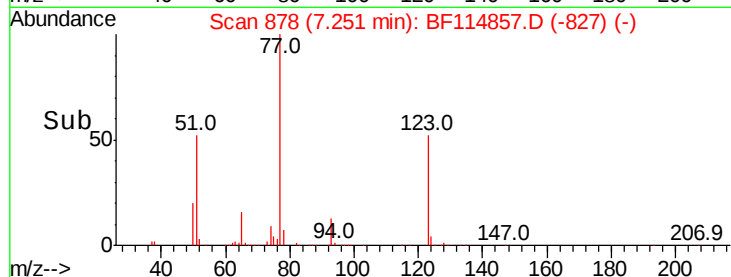


Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 43.439 ng

RT: 7.50 min Scan# 920

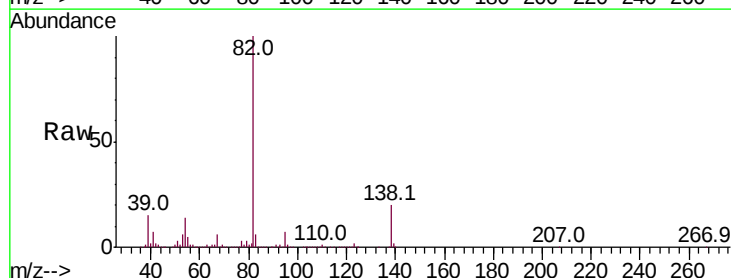
Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion: 82 Resp: 2545918

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	20.5	16.9	25.3

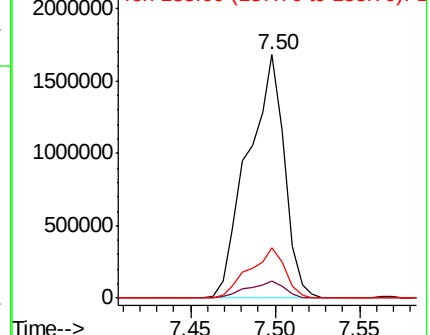
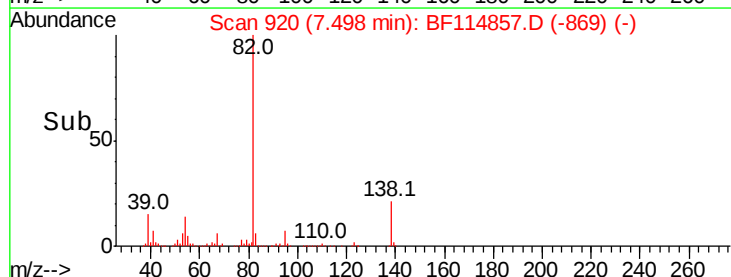


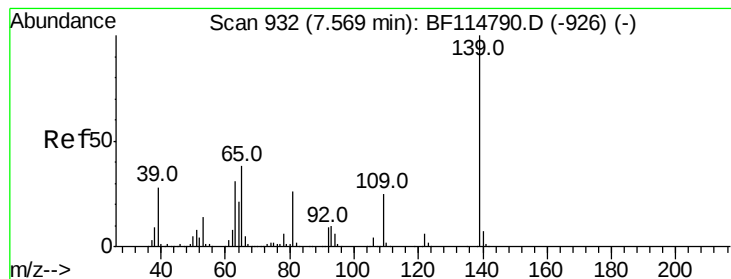
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

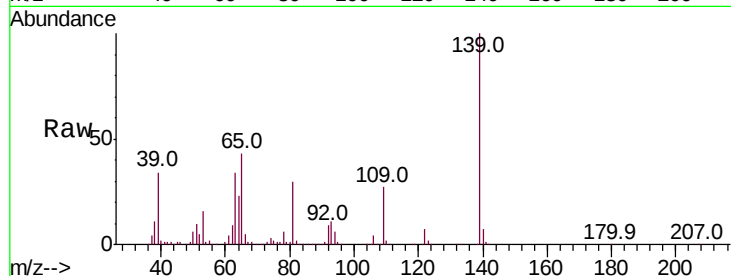




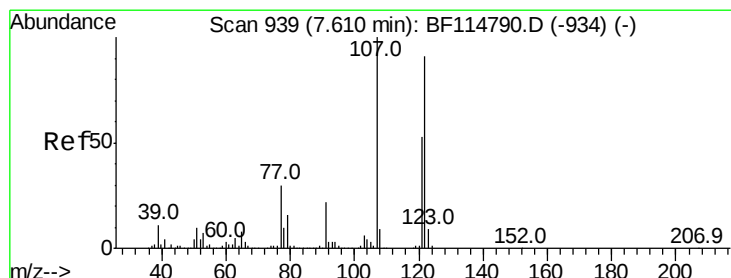
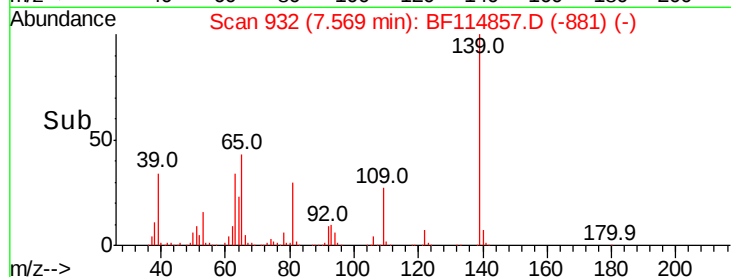
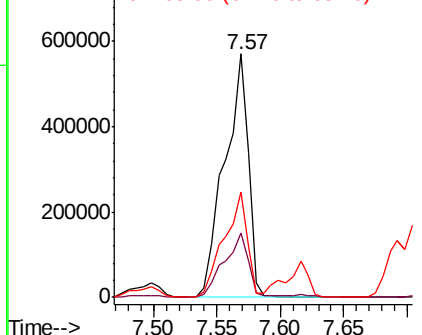
#26
2-Nitrophenol
Concen: 44.528 ng
RT: 7.57 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion	Ratio	Lower	Upper
139	100		
109	26.5	20.4	30.6
65	43.0	30.5	45.7

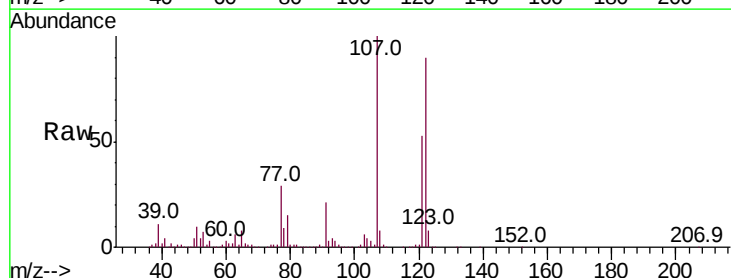


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

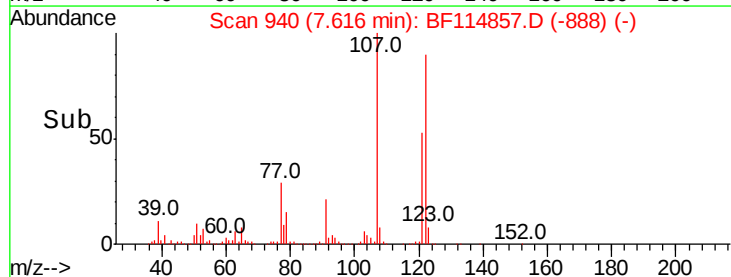
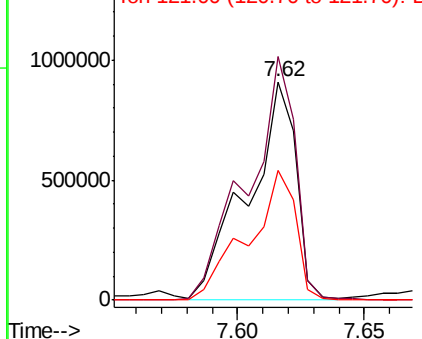


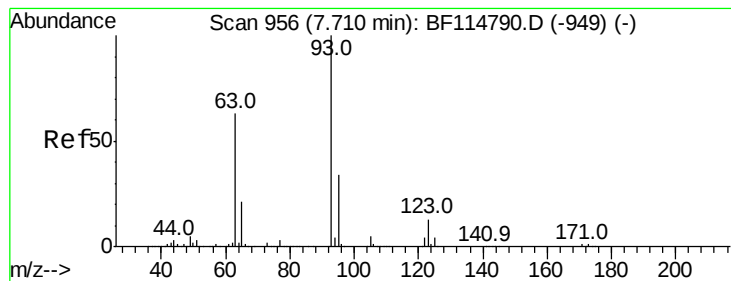
#27
2,4-Dimethylphenol
Concen: 48.076 ng
RT: 7.62 min Scan# 940
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
122	100		
107	111.5	87.9	131.9
121	59.1	46.4	69.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 43.791 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

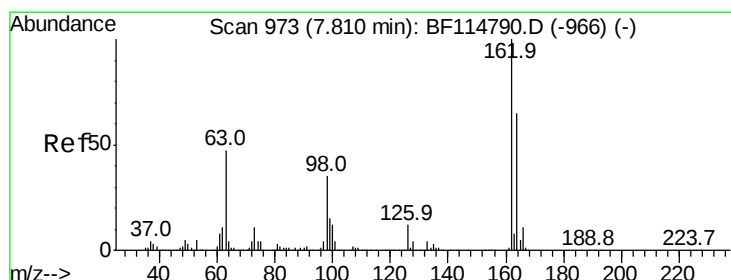
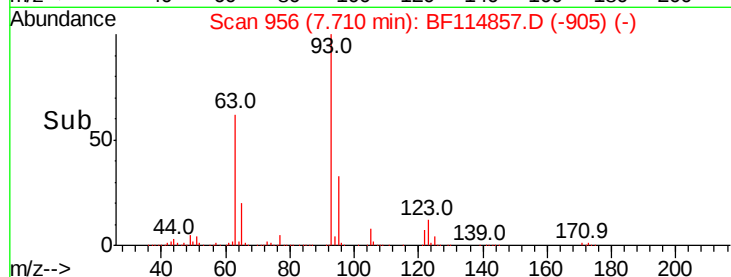
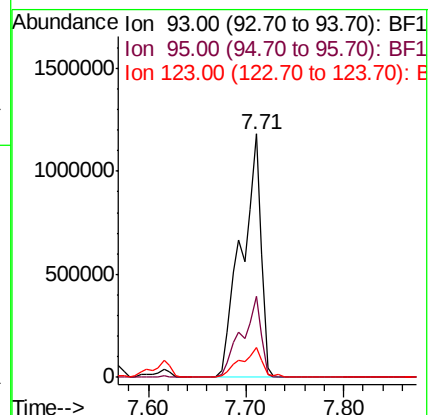
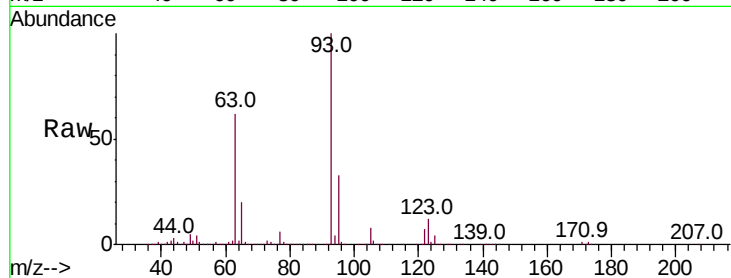
Tot Ion: 93 Resp: 1640626

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.9	40.3
123	12.4	10.4	15.6

93 100

95 33.3 26.9 40.3

123 12.4 10.4 15.6



#29

2,4-Dichlorophenol

Concen: 44.833 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

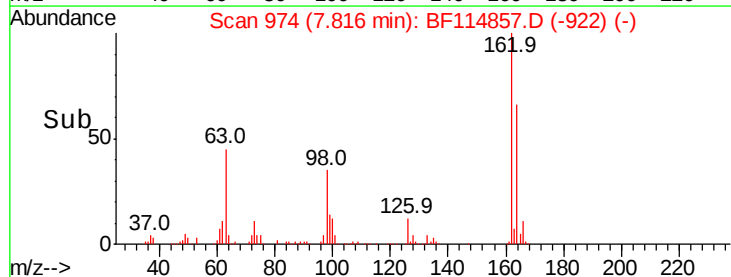
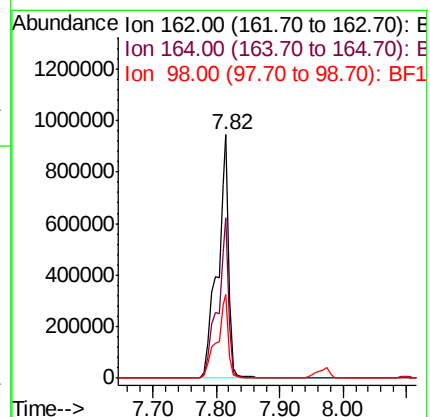
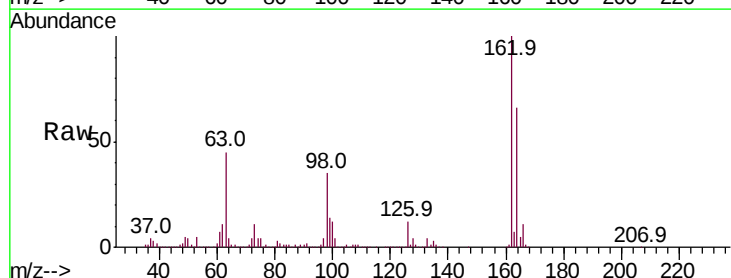
Tgt Ion: 162 Resp: 1192540

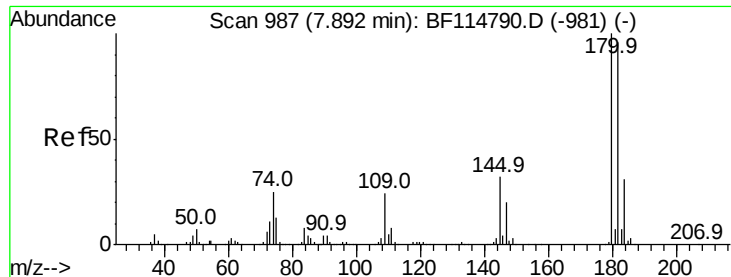
Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.1	85.1
98	34.5	14.6	54.6

162 100

164 65.7 45.1 85.1

98 34.5 14.6 54.6

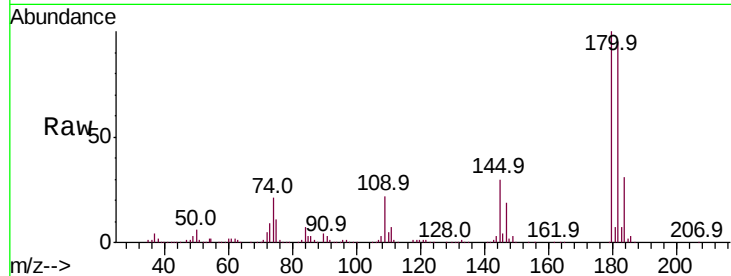




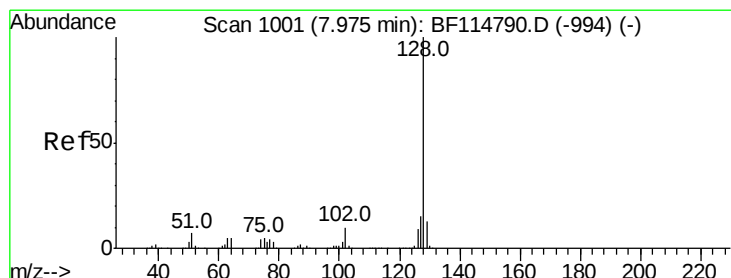
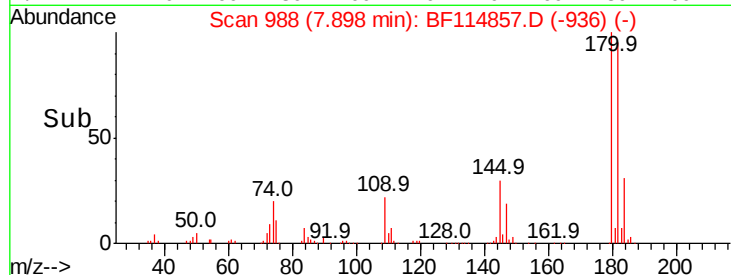
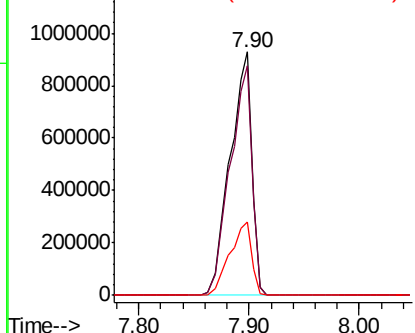
#30
 1,2,4-Trichlorobenzene
 Concen: 42.145 ng
 RT: 7.90 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

Tot Ion:180 Resp: 1286296
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.5 114.7
 145 30.2 25.8 38.8

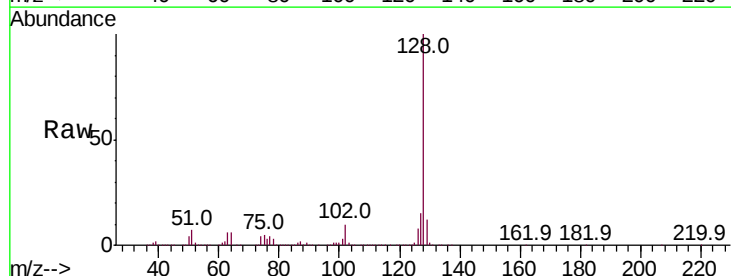


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

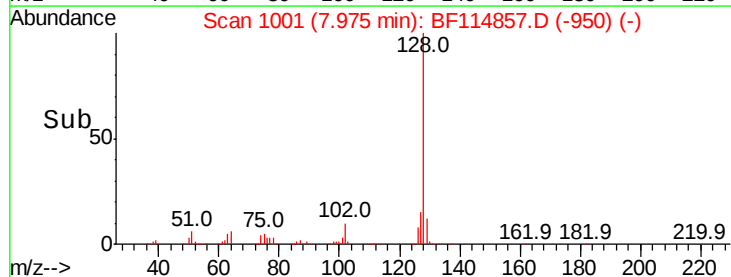
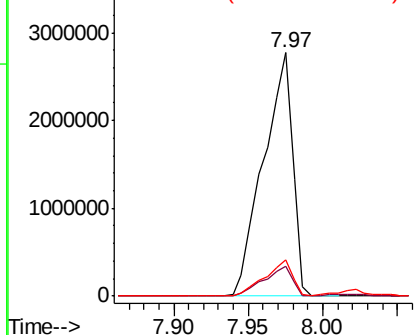


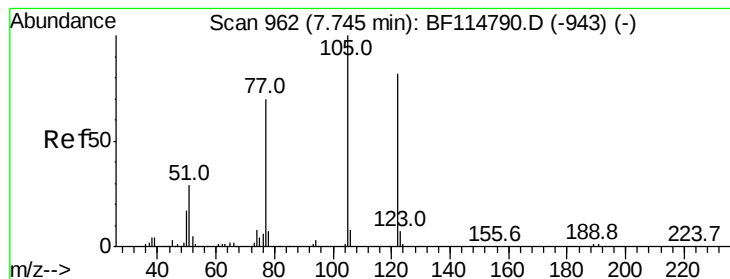
#31
 Naphthalene
 Concen: 45.885 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Tgt Ion:128 Resp: 3769951
 Ion Ratio Lower Upper
 128 100
 129 12.4 10.0 15.0
 127 14.7 12.2 18.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 21.248 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

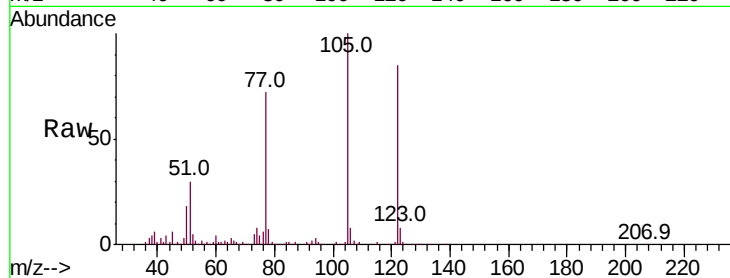
Tot Ion:122 Resp: 391261

Ion Ratio Lower Upper

122 100

105 118.2 98.7 138.7

77 84.8 64.8 104.8

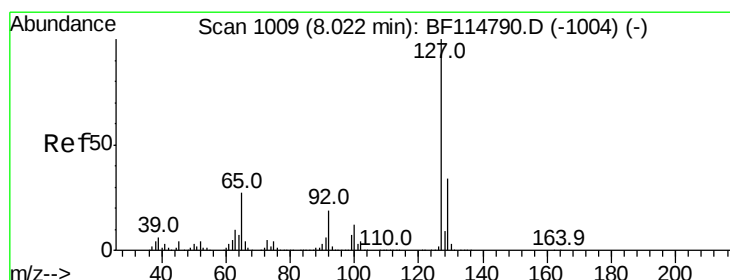
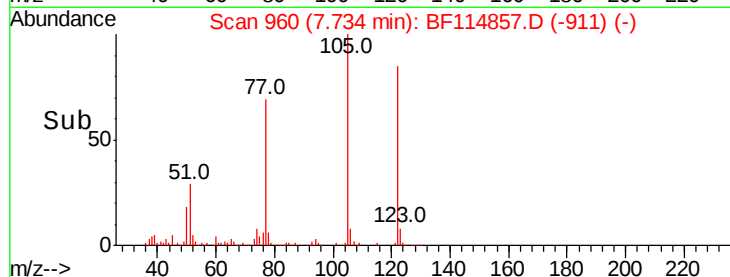
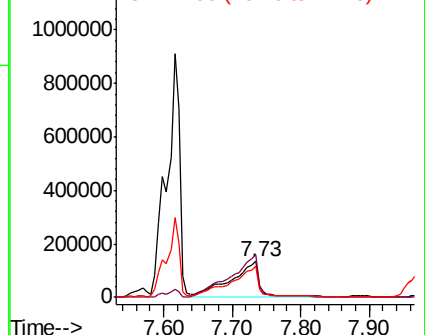


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 3.191 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion:127 Resp: 125070

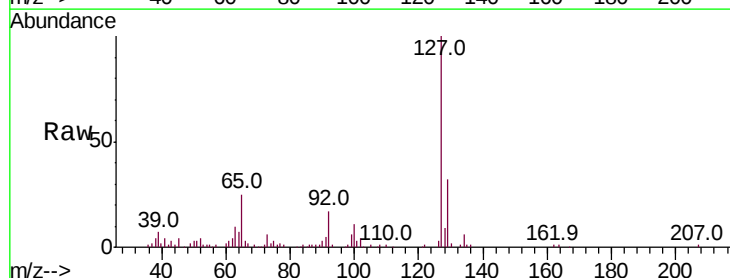
Ion Ratio Lower Upper

127 100

129 31.6 26.9 40.3

65 25.0 21.7 32.5

92 17.0 14.8 22.2



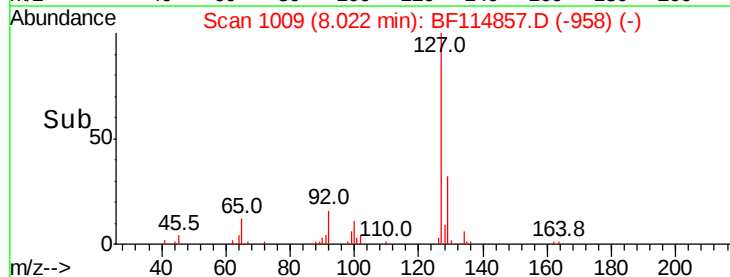
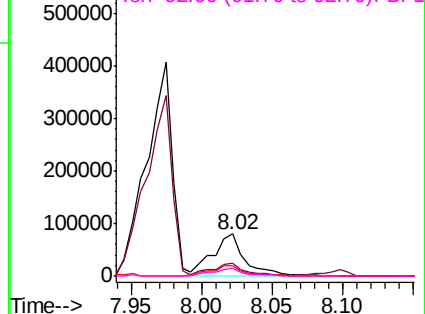
Abundance

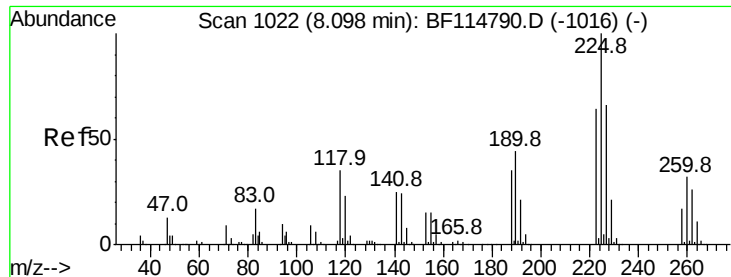
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

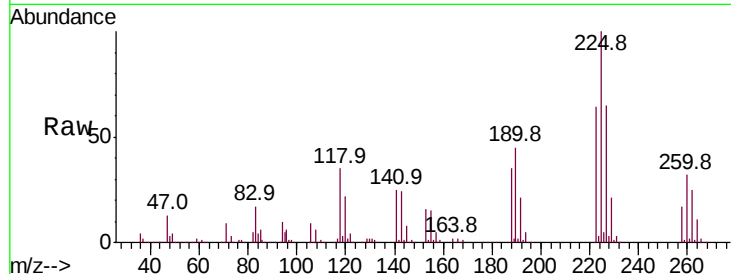




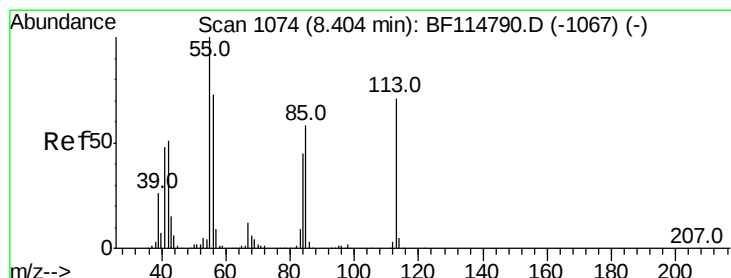
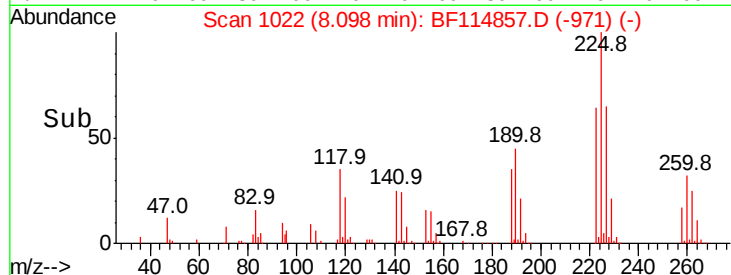
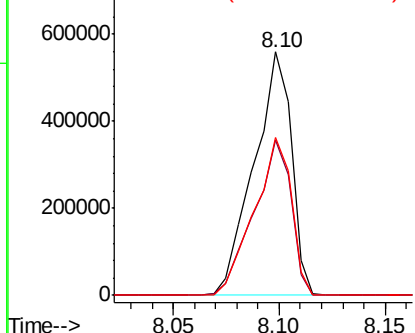
#34
Hexachlorobutadiene
Concen: 39.826 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.0	76.6
227	65.0	52.6	78.8

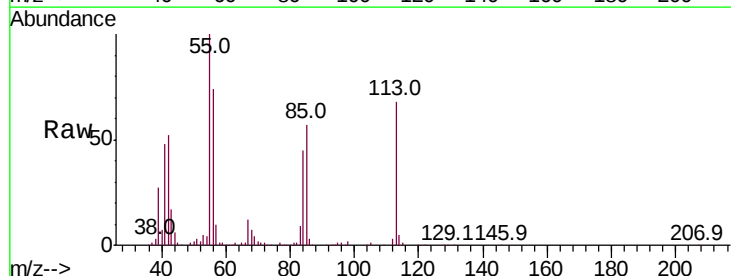


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

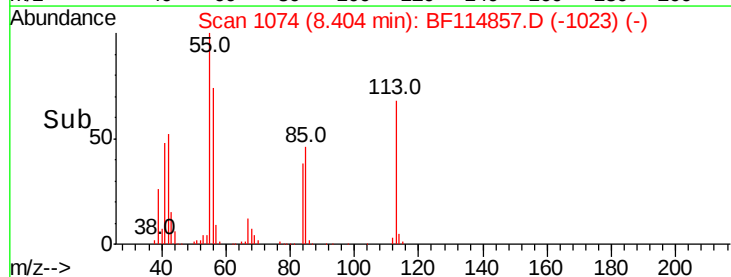
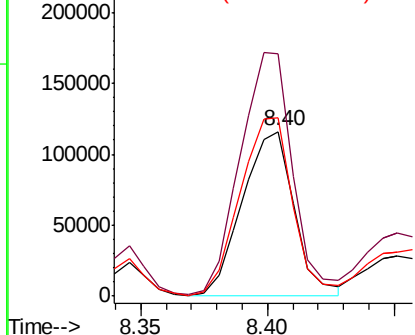


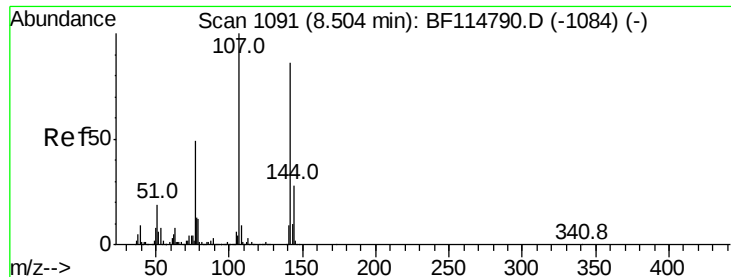
#35
Caprolactam
Concen: 19.014 ng
RT: 8.40 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
113	100		
55	146.8	121.1	161.1
56	108.0	82.6	122.6



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

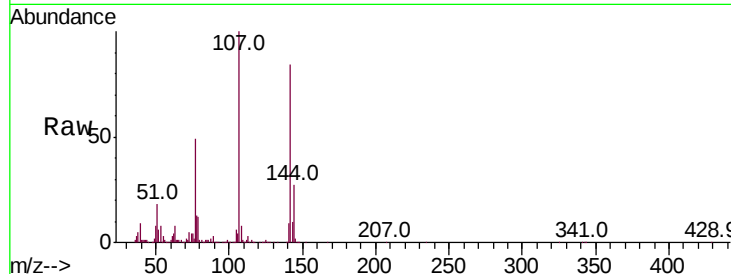




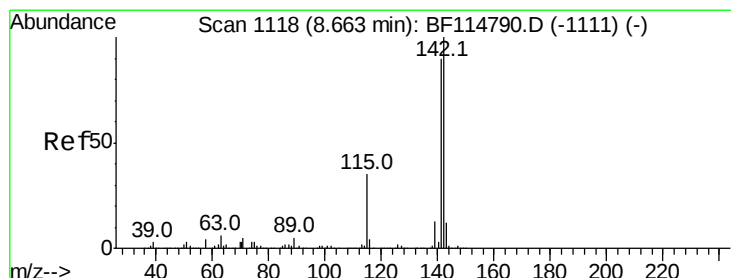
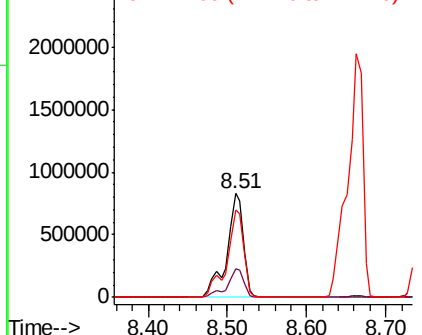
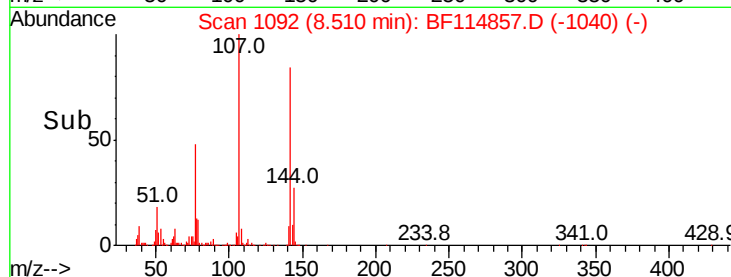
#36
4-Chloro-3-methylphenol
Concen: 45.400 ng
RT: 8.51 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:107 Resp: 1201660
Ion Ratio Lower Upper
107 100
144 27.4 22.1 33.1
142 84.4 68.4 102.6

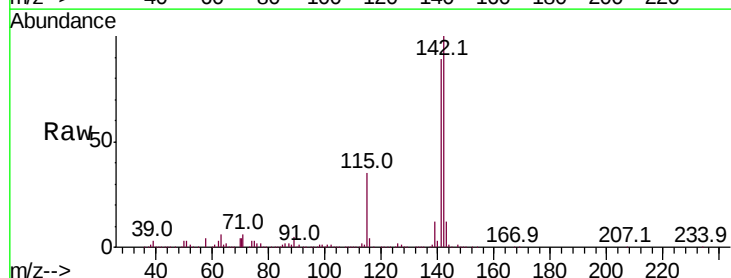


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

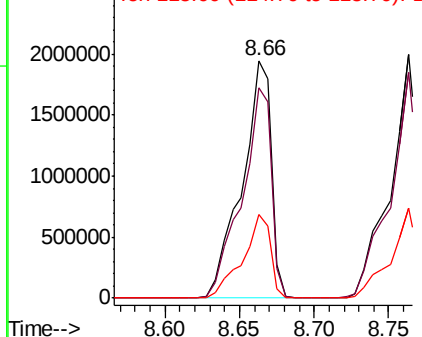
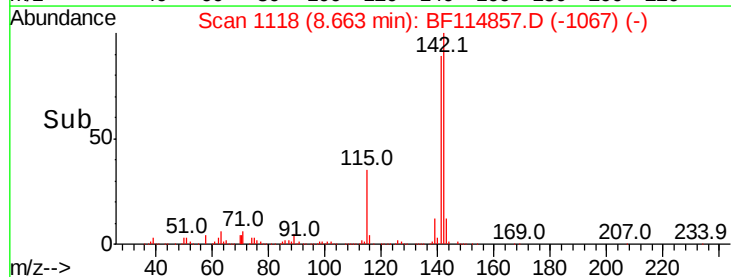


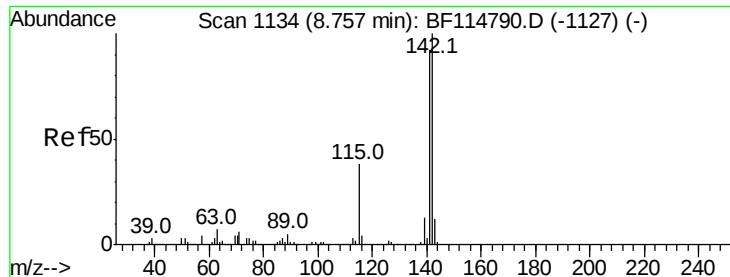
#37
2-Methylnaphthalene
Concen: 46.377 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:142 Resp: 2642905
Ion Ratio Lower Upper
142 100
141 88.9 71.6 107.4
115 35.2 28.2 42.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

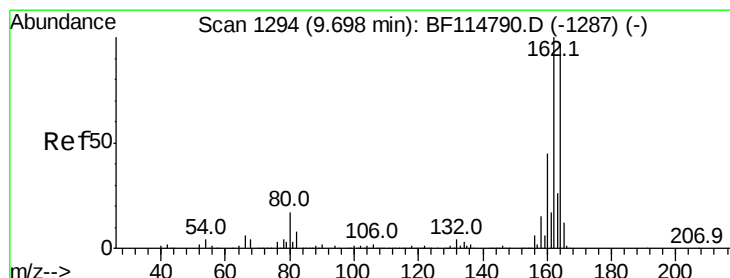
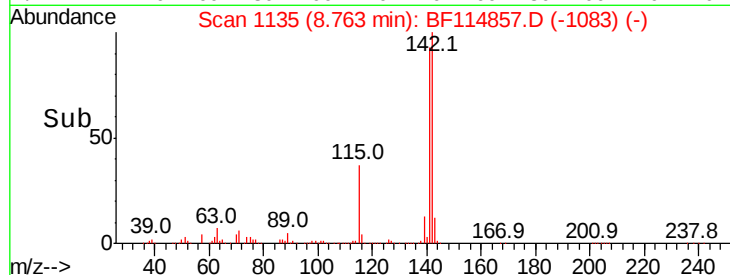
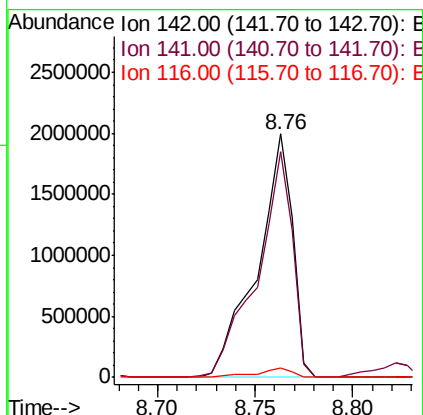
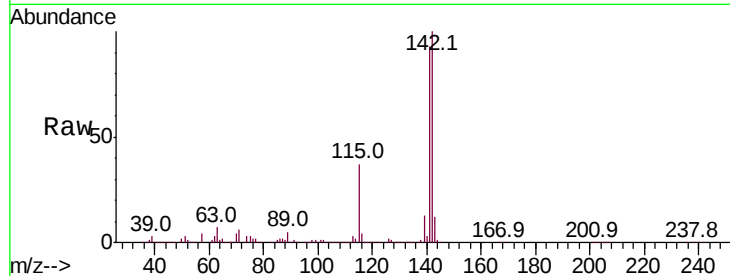




#38
1-Methylnaphthalene
Concen: 46.346 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

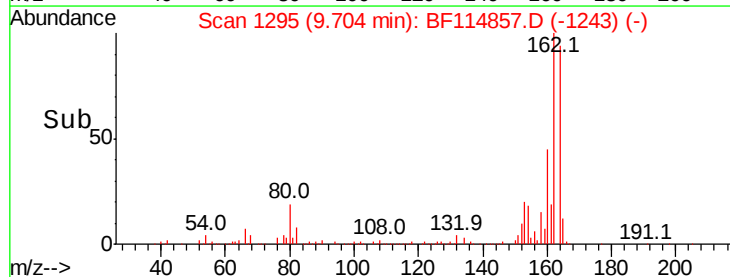
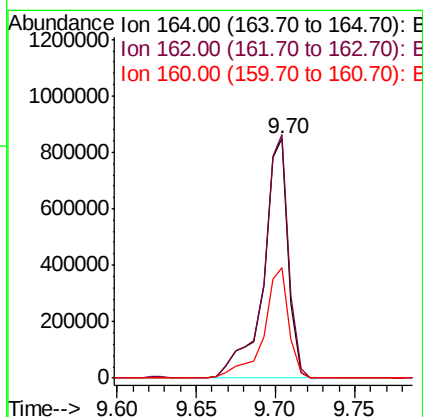
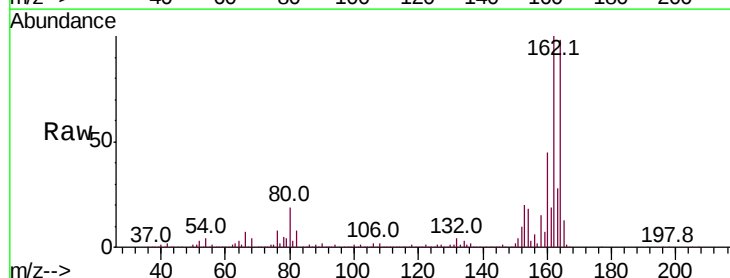
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

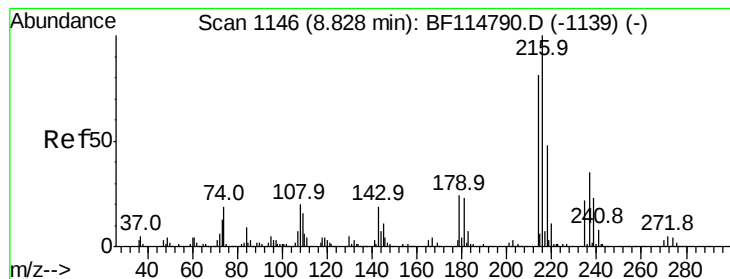
Tot Ion:142 Resp: 2504692
Ion Ratio Lower Upper
142 100
141 92.6 73.8 110.6
116 4.0 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:164 Resp: 929560
Ion Ratio Lower Upper
164 100
162 101.7 82.3 123.5
160 46.1 36.7 55.1





#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.510 ng

RT: 8.83 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

Tot Ion:216 Resp: 1111999

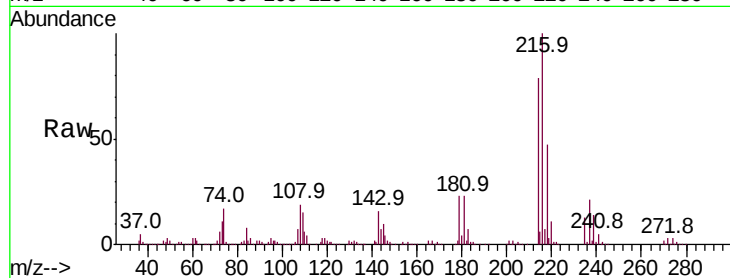
Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.4	95.2
179	22.7	18.3	27.5
108	20.8	15.5	23.3

216 100

214 78.4 63.4 95.2

179 22.7 18.3 27.5

108 20.8 15.5 23.3

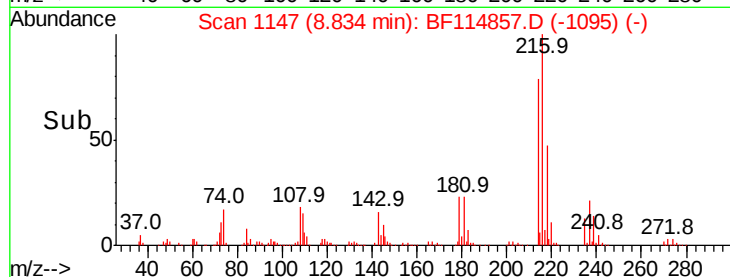


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

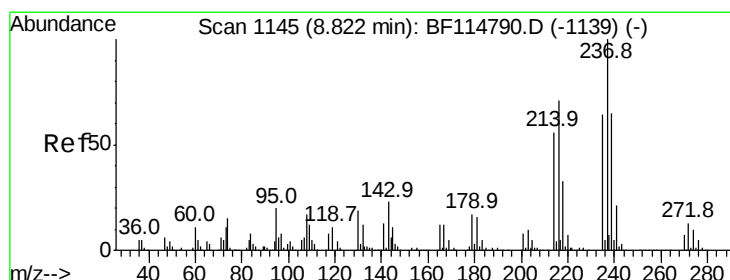
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->

8.75 8.80 8.85 8.90



#41

Hexachlorocyclopentadiene

Concen: 71.763 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

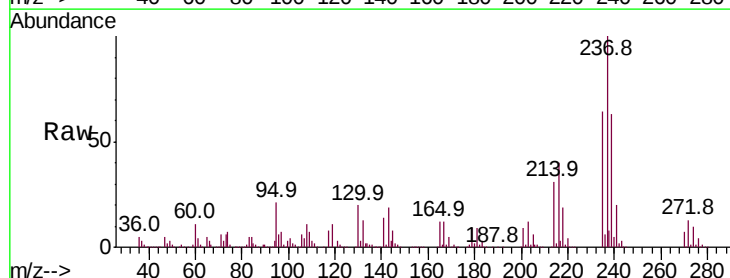
Tgt Ion:237 Resp: 1165937

Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.0	84.0
272	13.0	0.0	33.4

237 100

235 63.6 44.0 84.0

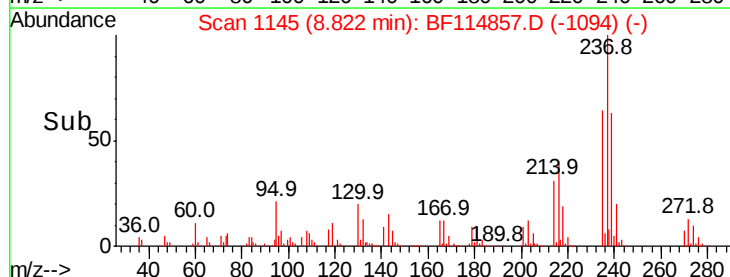
272 13.0 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E

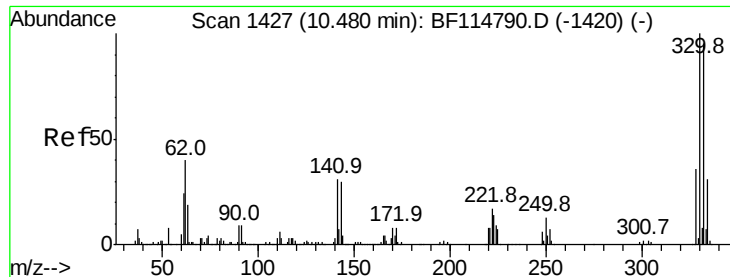
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

8.75 8.80 8.85



#42

2,4,6-Tribromophenol

Concen: 111.465 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

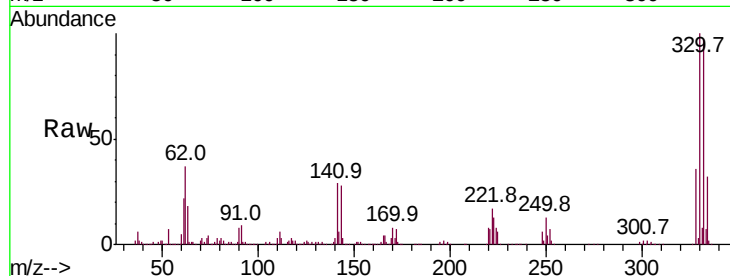
Tot Ion:330 Resp: 1116597

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

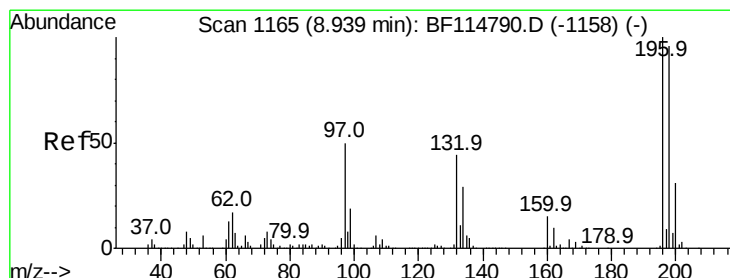
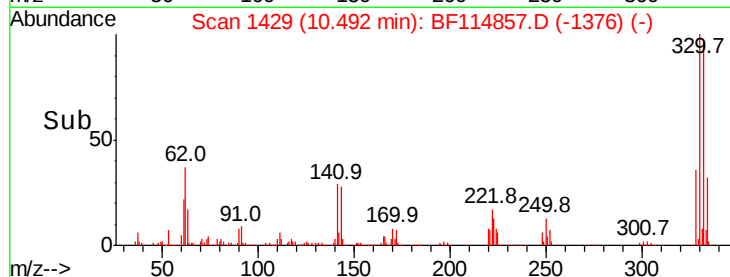
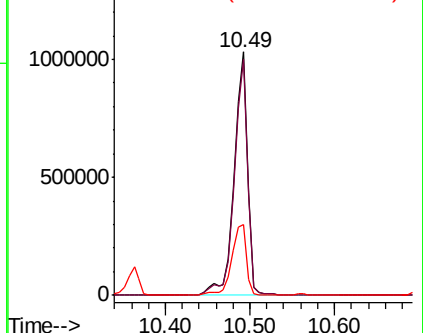
141 32.2 26.2 39.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#43

2,4,6-Trichlorophenol

Concen: 47.242 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

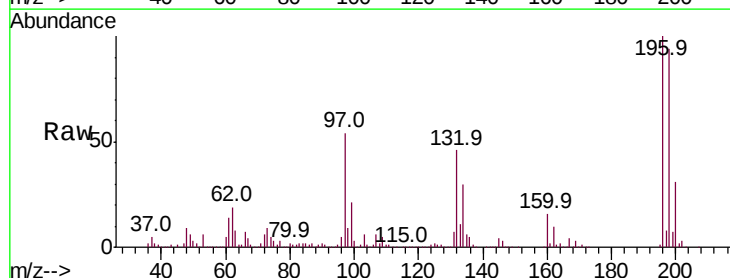
Tgt Ion:196 Resp: 984080

Ion Ratio Lower Upper

196 100

198 94.3 77.1 115.7

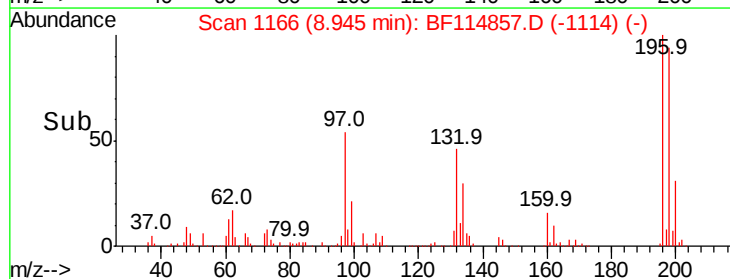
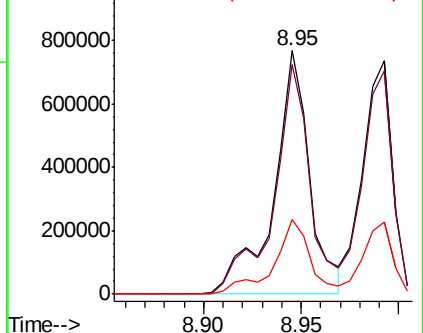
200 30.5 24.6 36.8

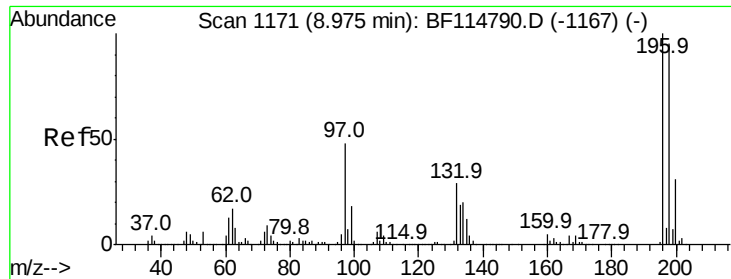


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

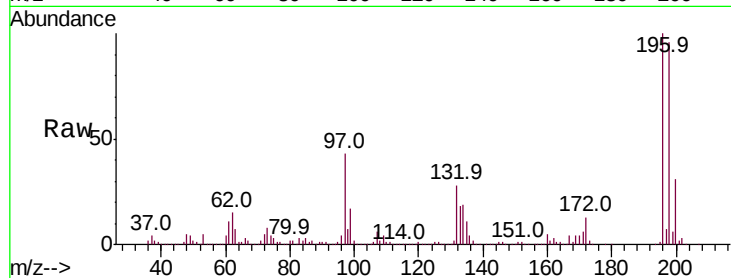




#44
 2,4,5-Trichlorophenol
 Concen: 36.904 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.2	114.4
97	42.5	38.2	57.4
132	27.7	23.7	35.5



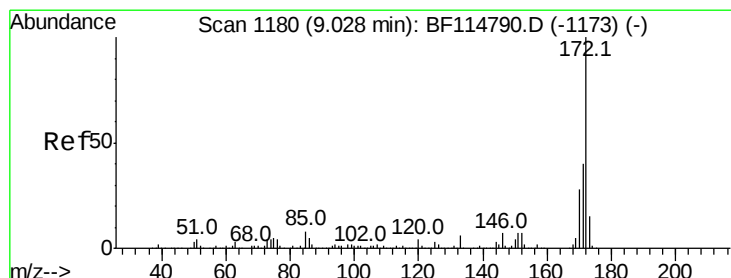
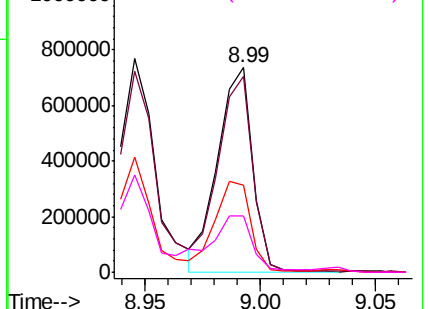
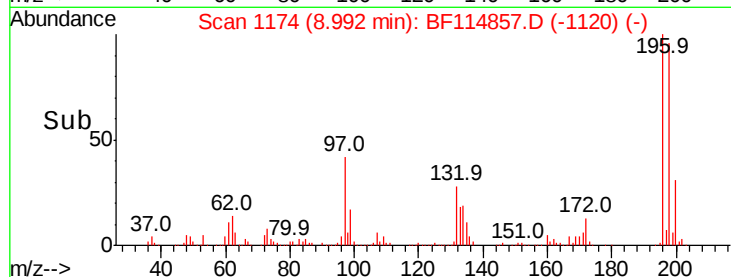
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

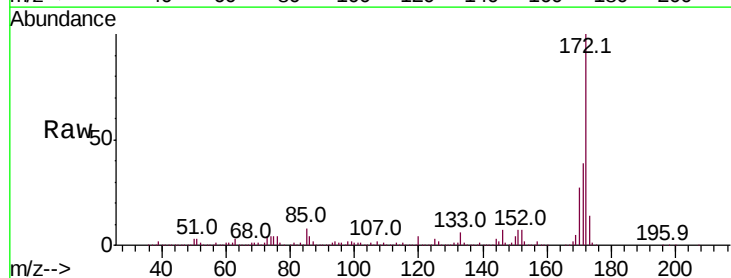
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.767 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	32.3	48.5
170	26.9	22.4	33.6

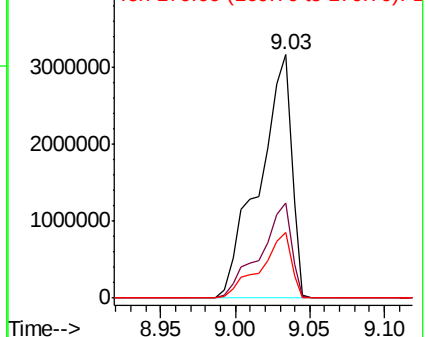
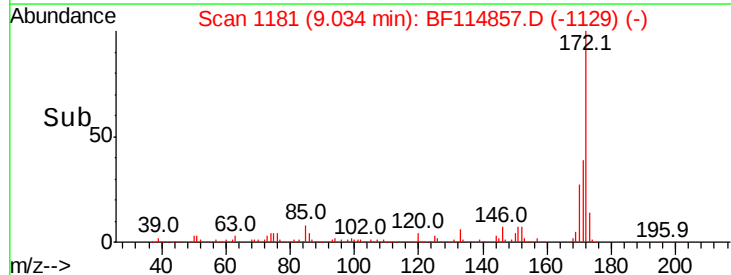


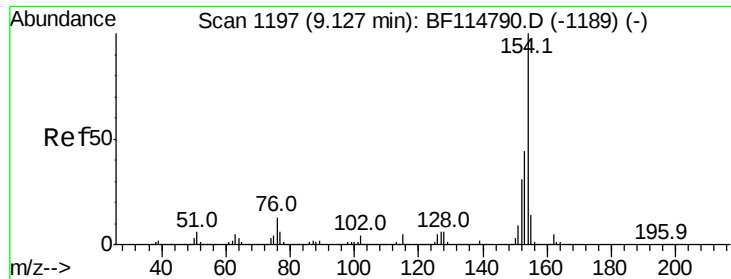
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

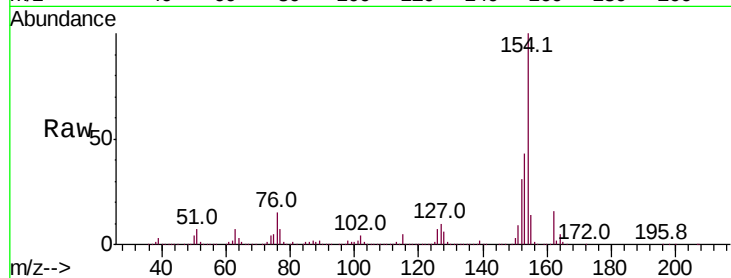




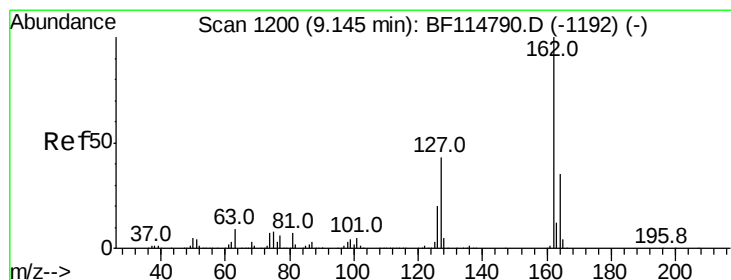
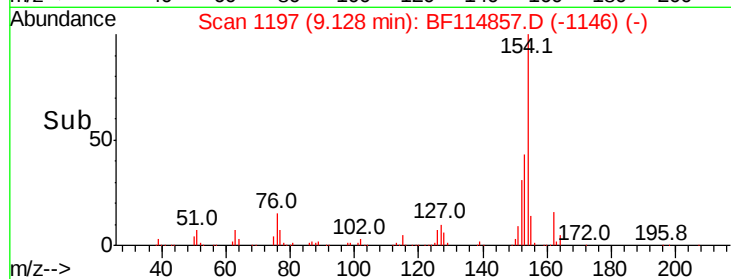
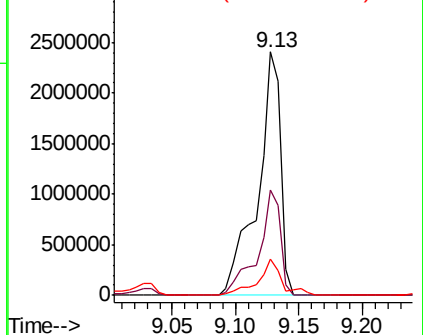
#46
 1,1'-Biphenyl
 Concen: 44.317 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

Tot Ion:154 Resp: 3053208
 Ion Ratio Lower Upper
 154 100
 153 43.4 23.9 63.9
 76 14.8 0.0 33.2

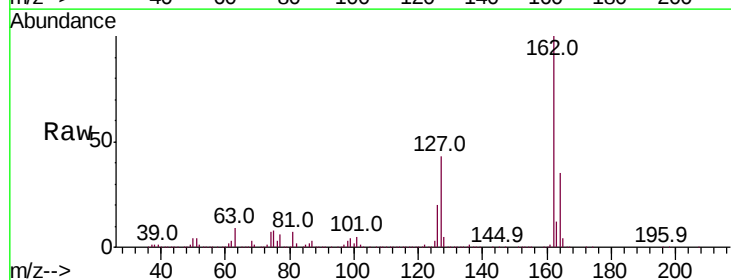


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

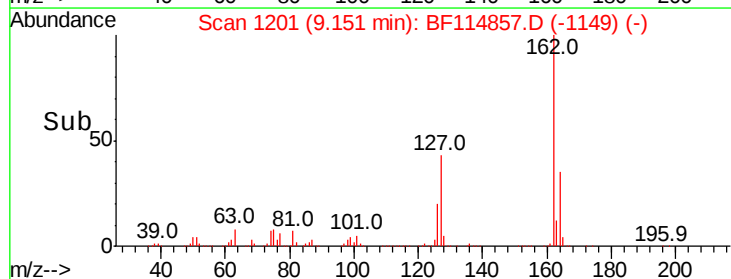
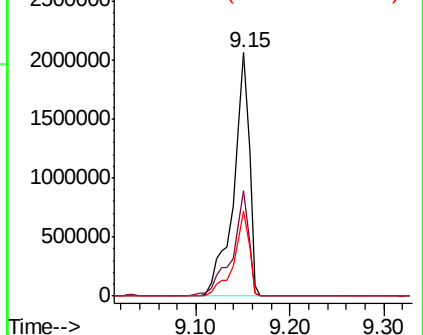


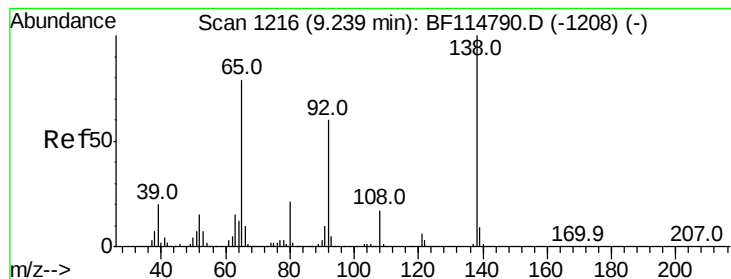
#47
 2-Chloronaphthalene
 Concen: 41.165 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Tgt Ion:162 Resp: 2409856
 Ion Ratio Lower Upper
 162 100
 127 43.1 34.6 51.8
 164 35.0 27.8 41.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

2-Nitroaniline

Concen: 39.989 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

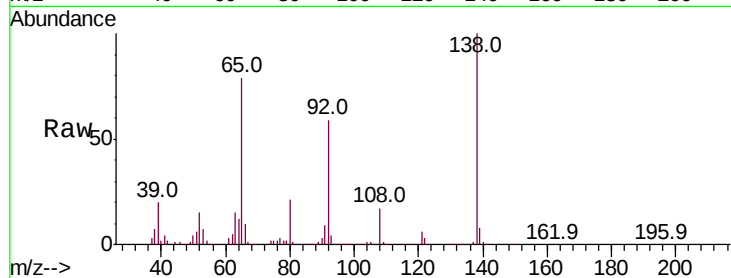
Tot Ion: 65 Resp: 698609

Ion Ratio Lower Upper

65 100

92 74.8 60.4 90.6

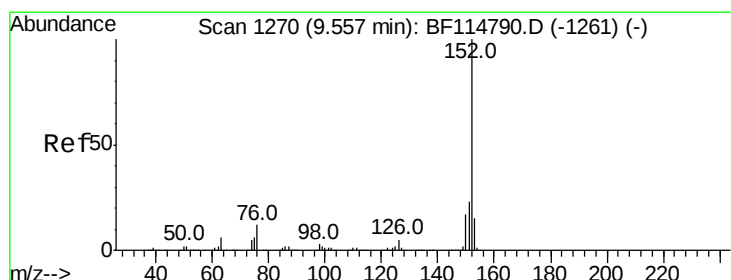
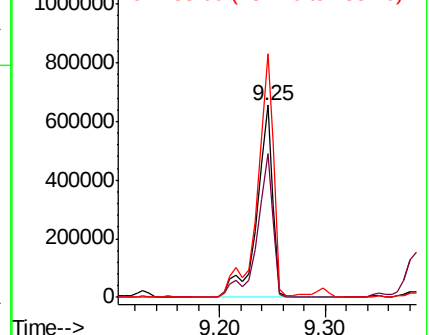
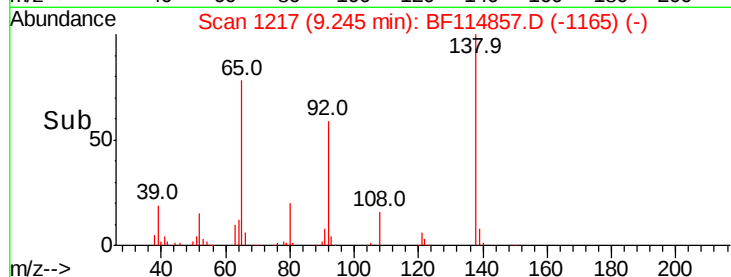
138 126.7 101.2 151.8



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Acenaphthylene

Concen: 43.545 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

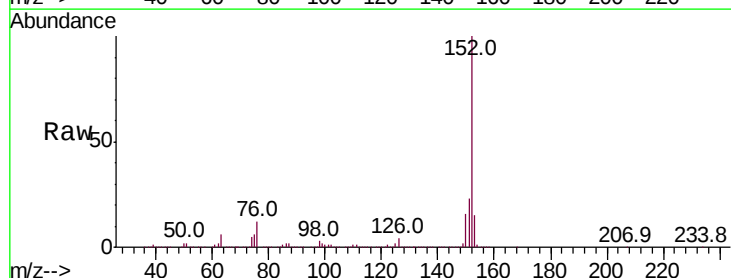
Tgt Ion: 152 Resp: 3696756

Ion Ratio Lower Upper

152 100

151 22.8 18.3 27.5

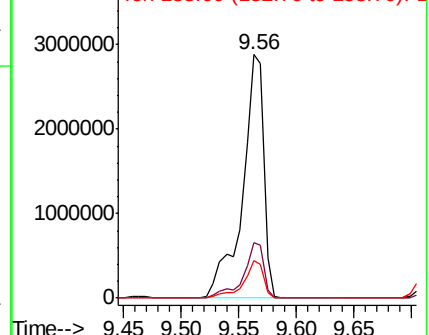
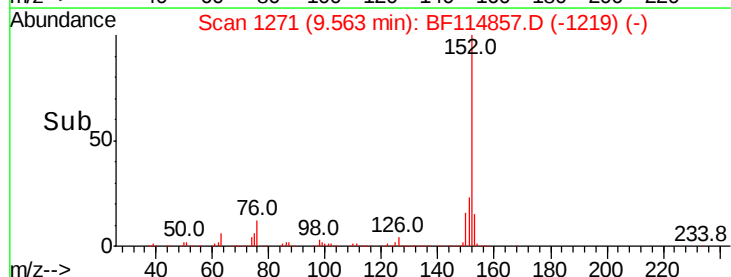
153 15.3 12.3 18.5

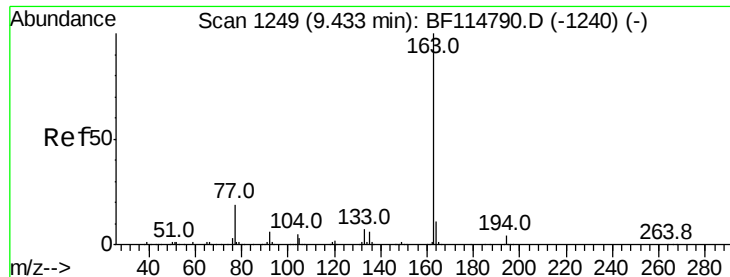


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

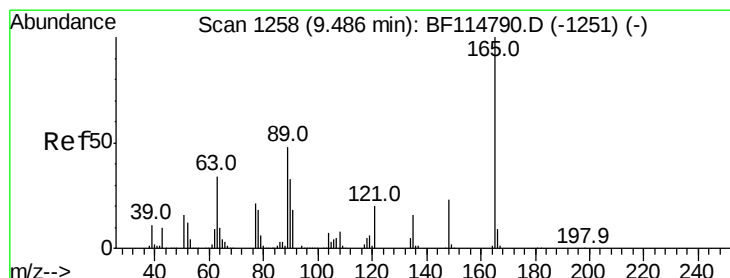
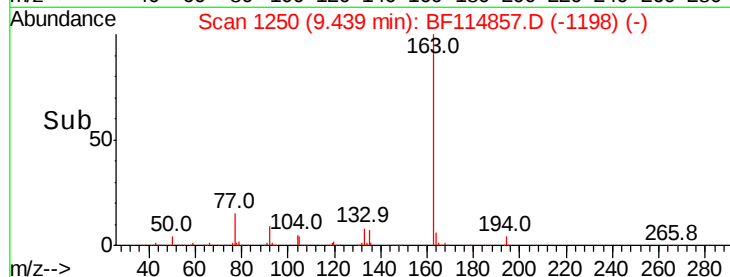
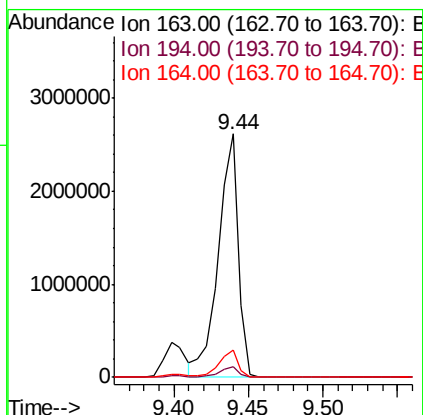
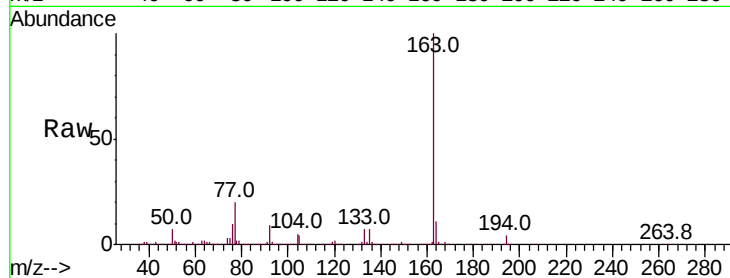




#50
Dimethylphthalate
Concen: 36.371 ng
RT: 9.44 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

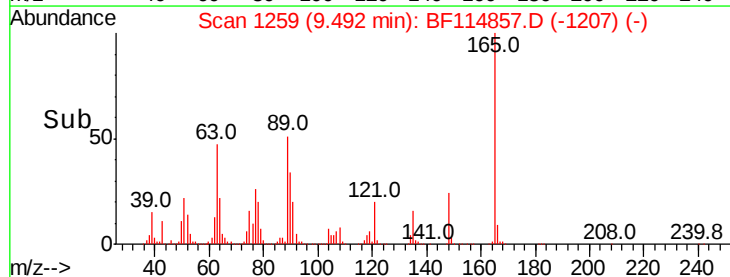
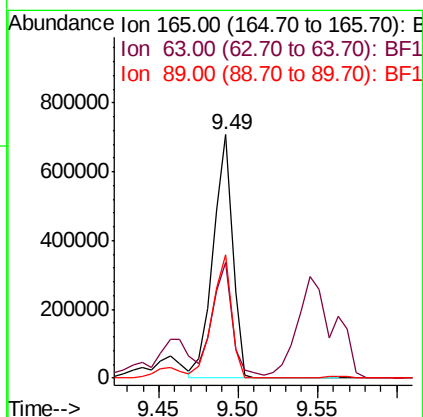
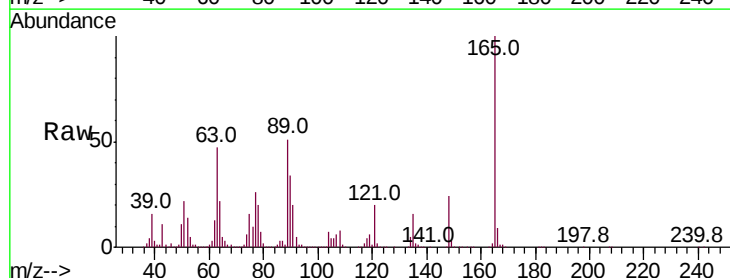
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

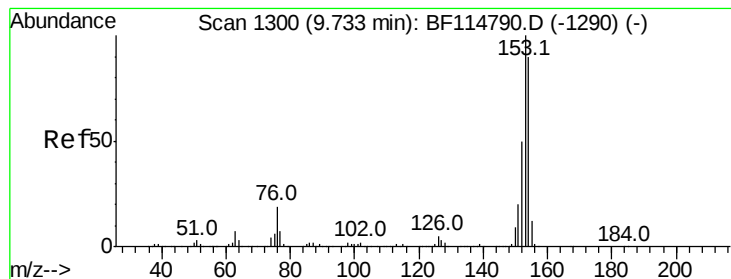
Tot Ion:163 Resp: 2469255
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 11.1 8.6 13.0



#51
2,6-Dinitrotoluene
Concen: 37.910 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:165 Resp: 605287
Ion Ratio Lower Upper
165 100
63 47.3 35.1 52.7
89 50.5 38.2 57.2





#52

Acenaphthene

Concen: 41.839 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

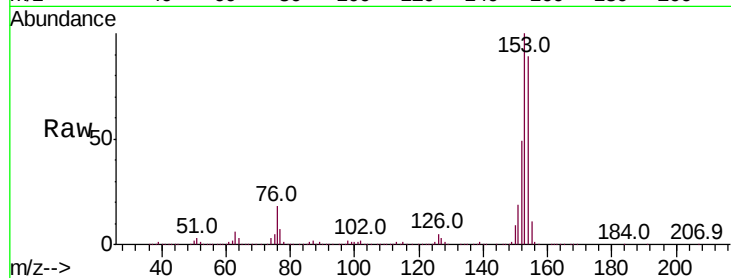
Tot Ion:154 Resp: 2326732

Ion Ratio Lower Upper

154 100

153 112.2 88.5 132.7

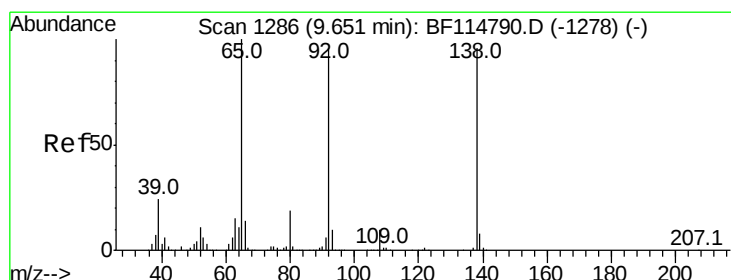
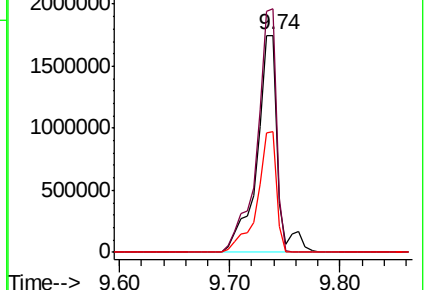
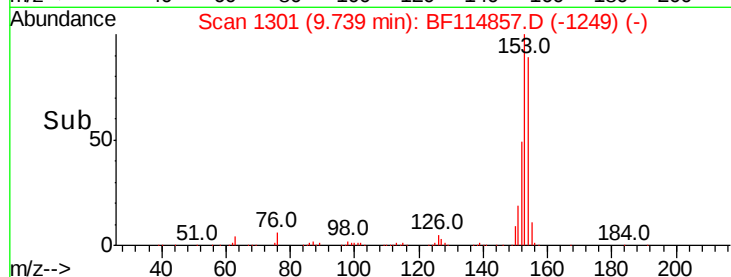
152 55.5 44.1 66.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 5.260 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

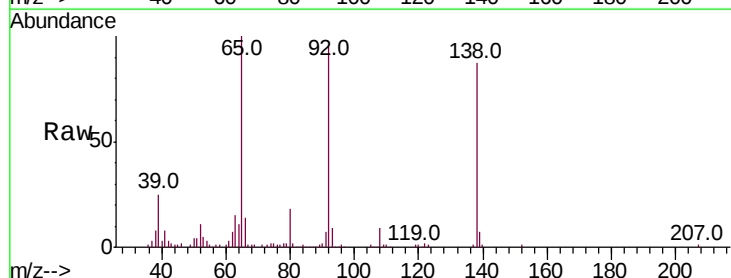
Tgt Ion:138 Resp: 98119

Ion Ratio Lower Upper

138 100

108 10.5 7.9 11.9

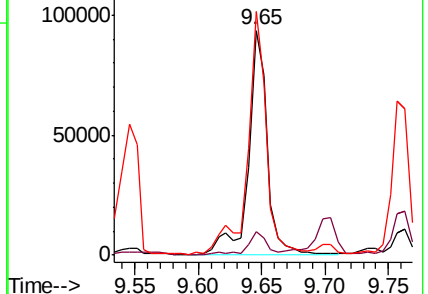
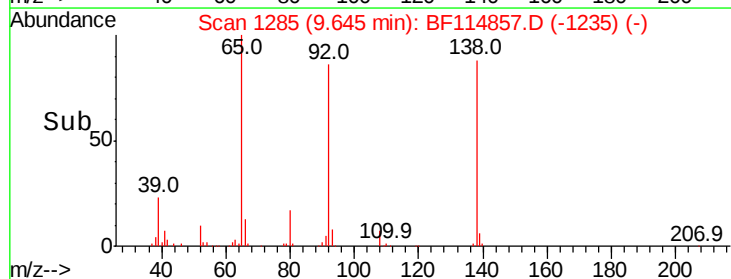
92 108.4 79.9 119.9

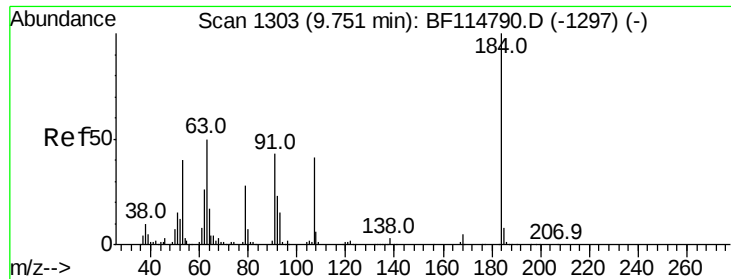


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 37.259 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

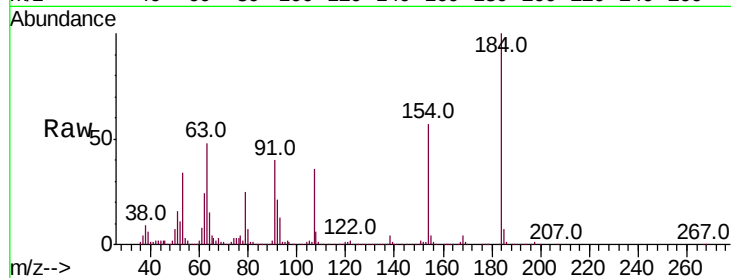
Tot Ion:184 Resp: 269201

Ion Ratio Lower Upper

184 100

63 47.8 44.1 66.1

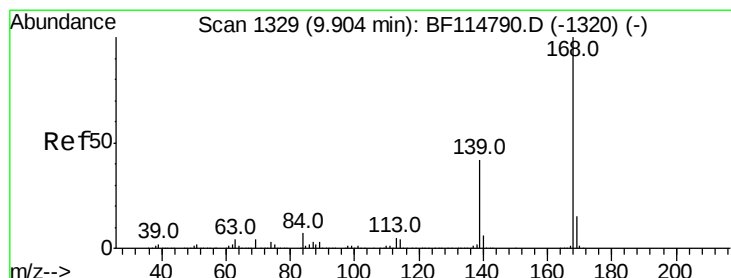
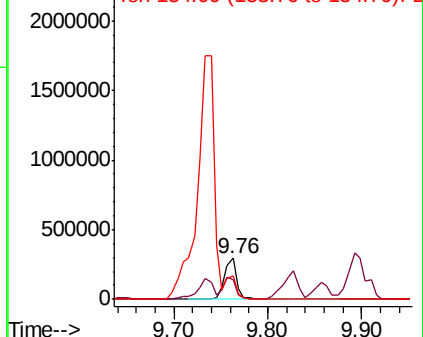
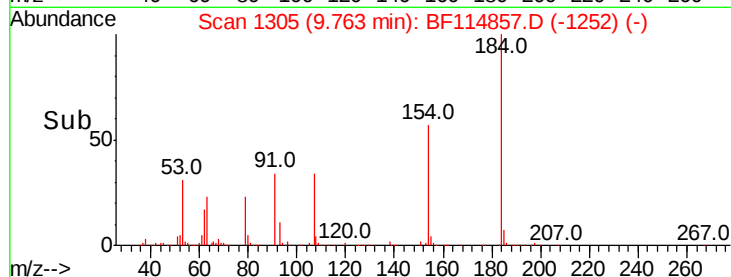
154 57.2 48.1 72.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 40.779 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

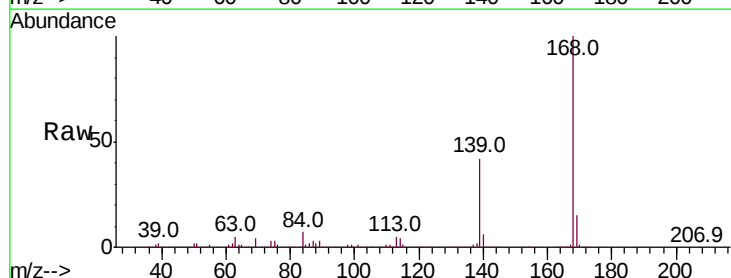
Tgt Ion:168 Resp: 3153469

Ion Ratio Lower Upper

168 100

139 42.4 33.8 50.6

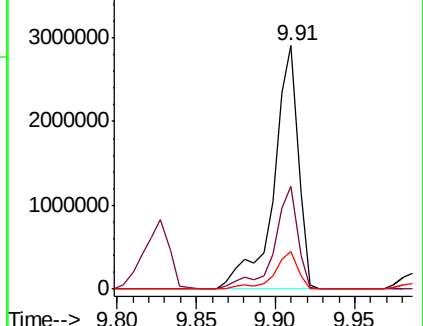
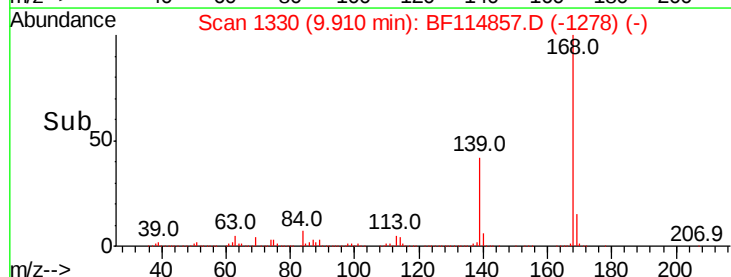
169 15.3 11.9 17.9

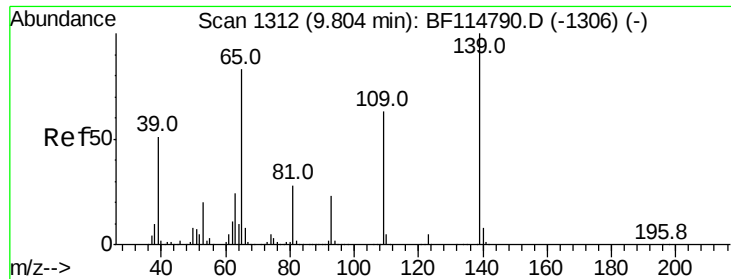


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 69.329 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

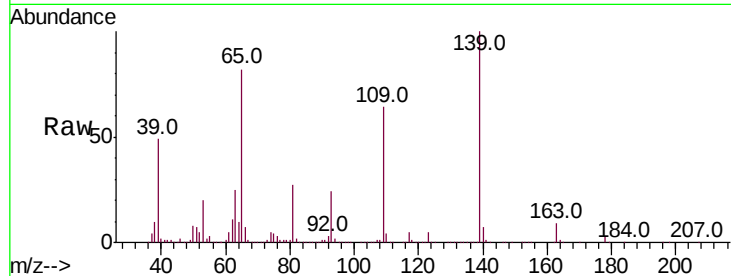
Tot Ion:139 Resp: 947555

Ion Ratio Lower Upper

139 100

109 64.3 43.5 83.5

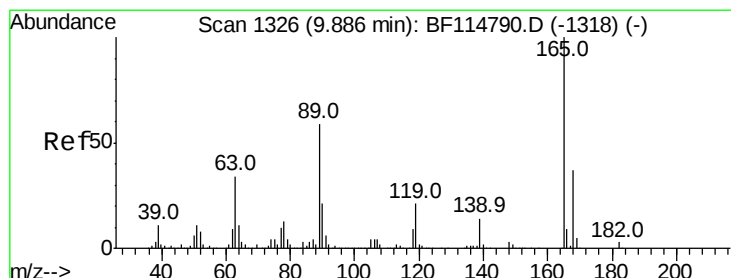
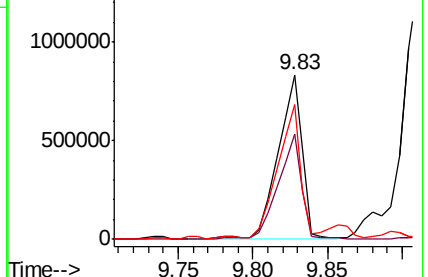
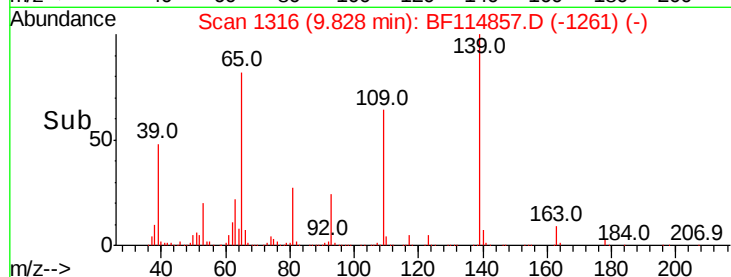
65 82.5 63.2 103.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 39.765 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion:165 Resp: 798151

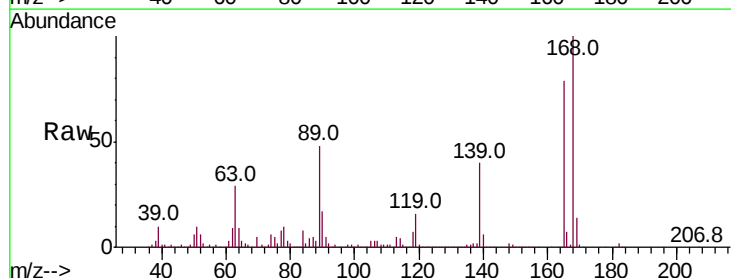
Ion Ratio Lower Upper

165 100

63 36.2 27.0 40.4

89 60.9 47.0 70.6

182 2.7 2.2 3.2

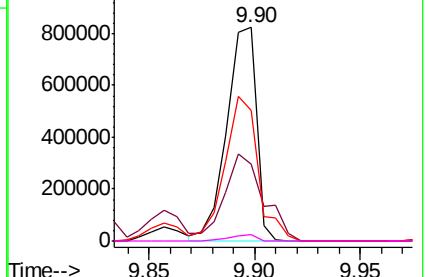
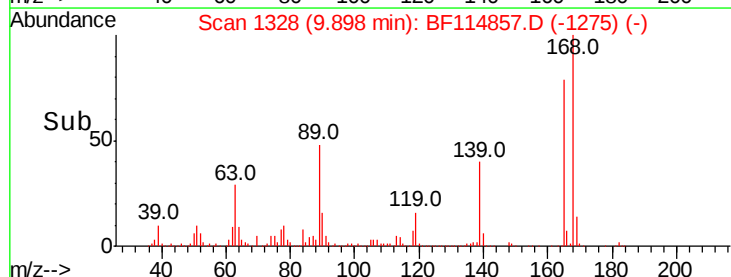


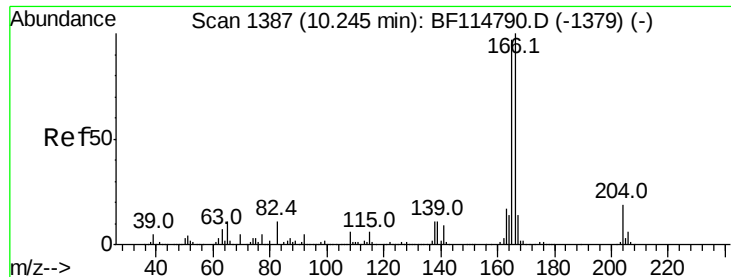
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 44.477 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

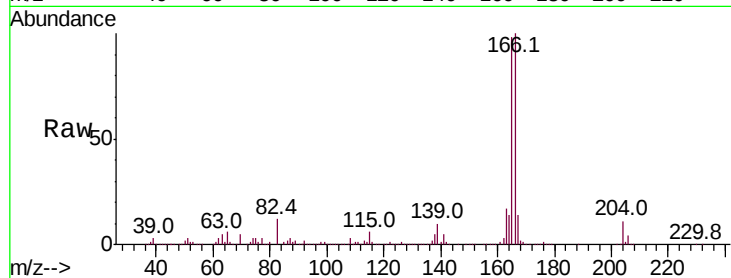
Tot Ion:166 Resp: 2209657

Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

167 14.0 11.3 16.9

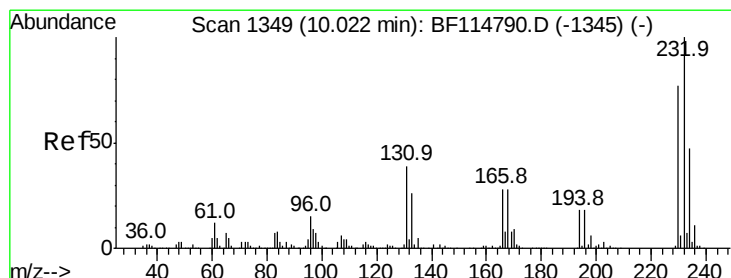
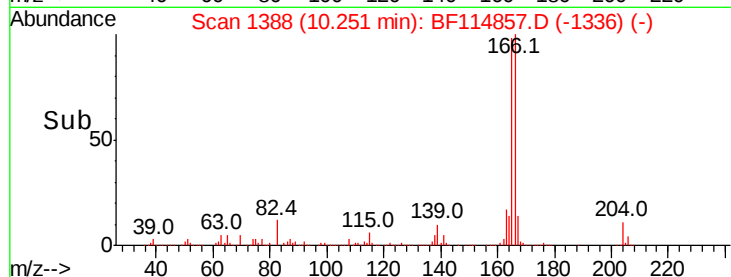
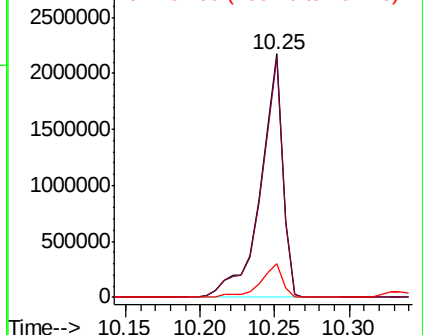


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 39.950 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion:232 Resp: 686631

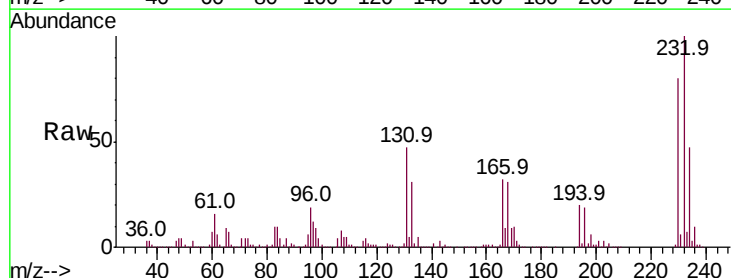
Ion Ratio Lower Upper

232 100

131 45.0 36.8 55.2

130 2.2 1.8 2.6

166 30.9 24.6 37.0



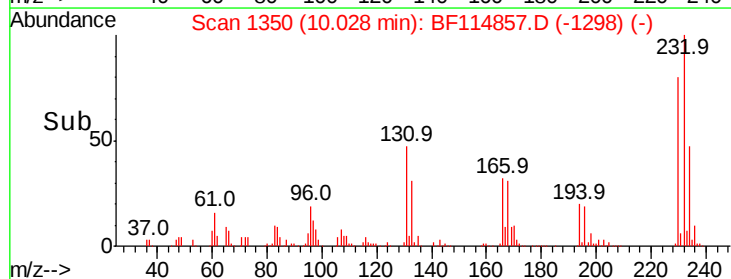
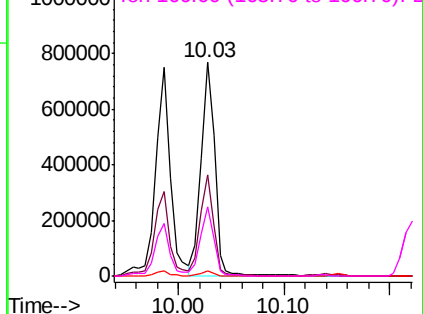
Abundance

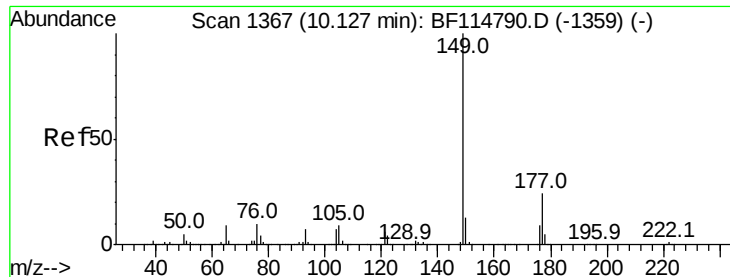
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

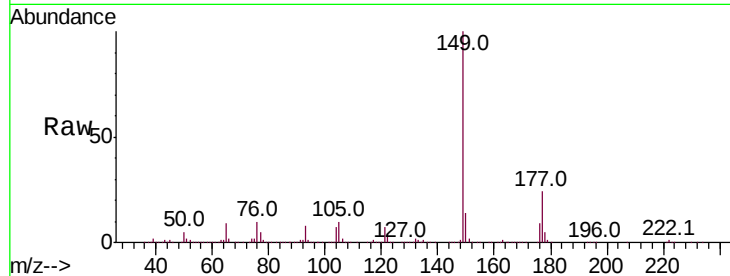




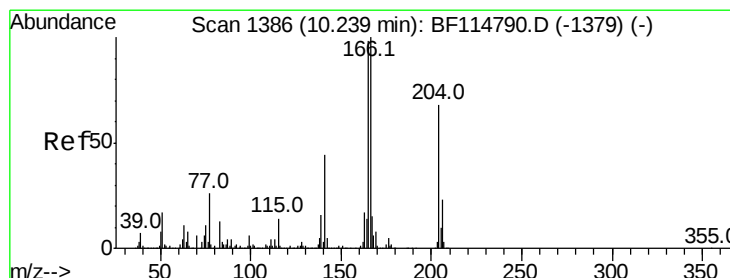
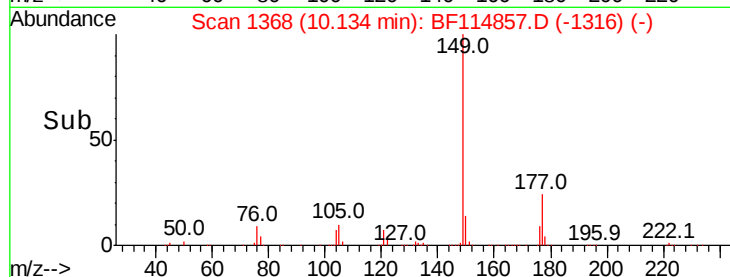
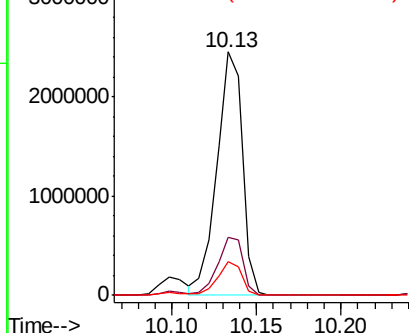
#60
Diethylphthalate
Concen: 37.975 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:149 Resp: 2587061
Ion Ratio Lower Upper
149 100
177 23.6 19.3 28.9
150 13.7 10.7 16.1

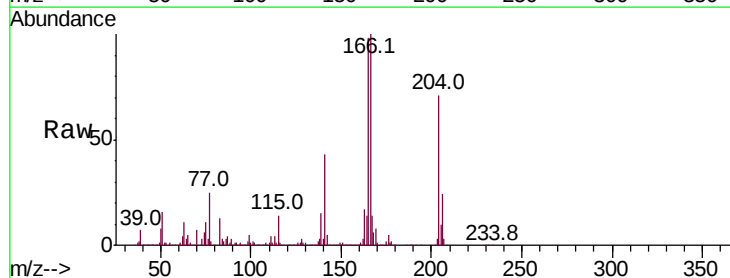


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

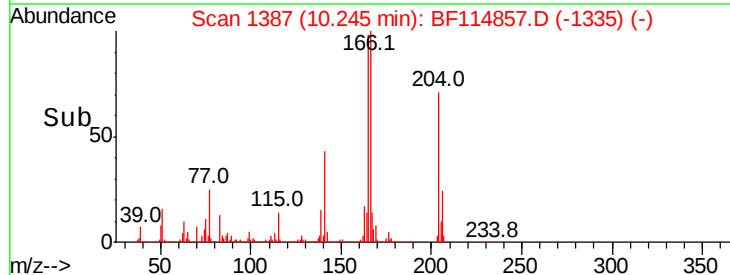
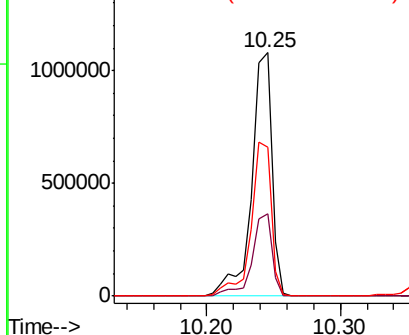


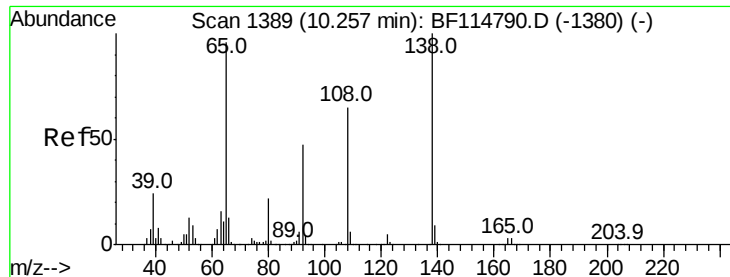
#61
4-Chlorophenyl-phenylether
Concen: 37.743 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:204 Resp: 1117865
Ion Ratio Lower Upper
204 100
206 33.9 26.5 39.7
141 61.3 51.0 76.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

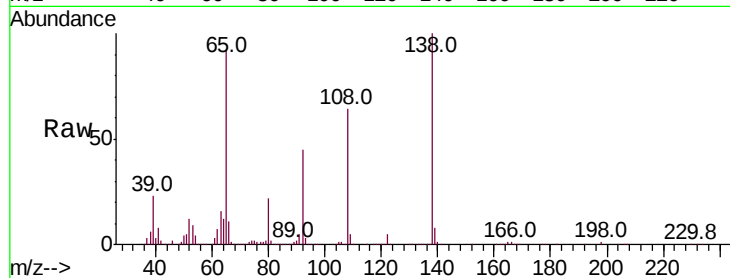




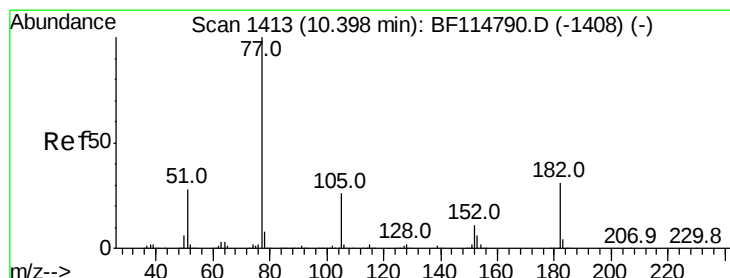
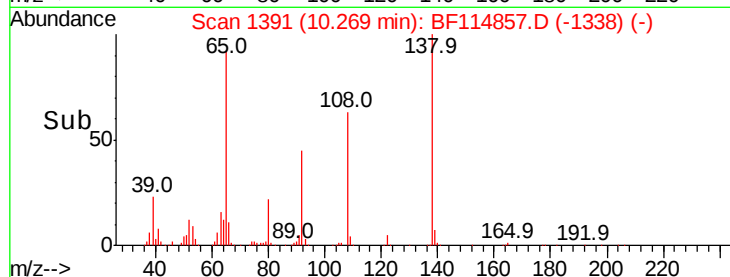
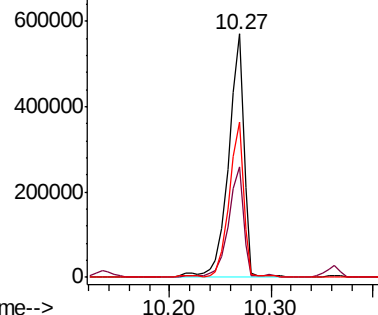
#62
4-Nitroaniline
Concen: 33.663 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:138 Resp: 608994
Ion Ratio Lower Upper
138 100
92 45.4 26.5 66.5
108 63.7 45.4 85.4

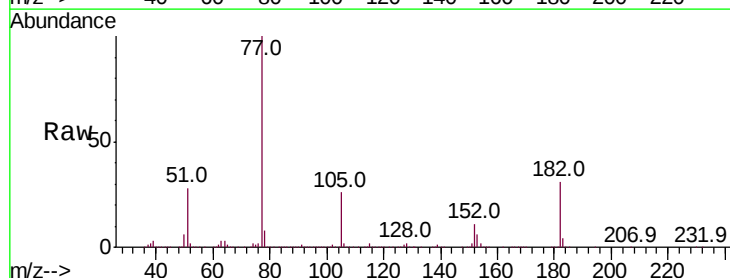


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

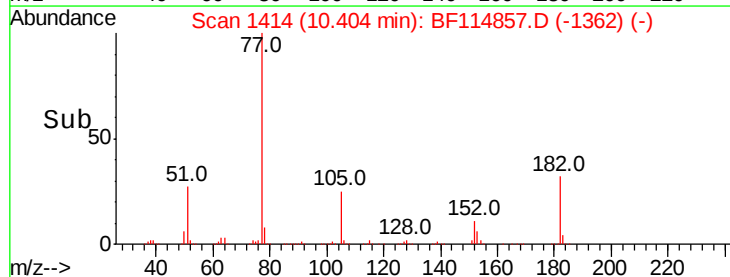
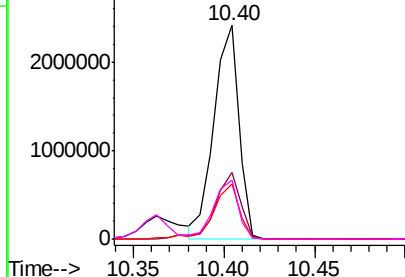


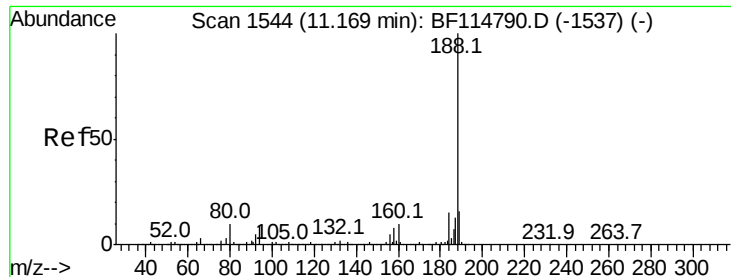
#63
Azobenzene
Concen: 40.075 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion: 77 Resp: 2323973
Ion Ratio Lower Upper
77 100
182 31.5 11.2 51.2
105 25.9 5.7 45.7
51 27.6 8.0 48.0



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

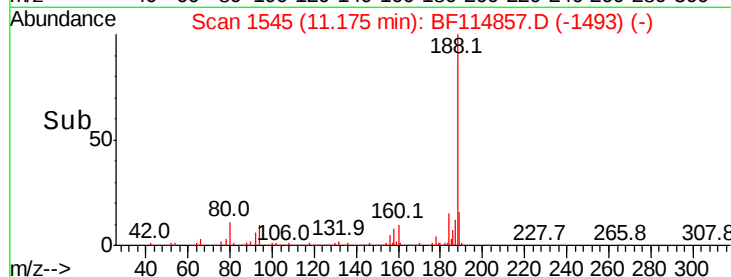
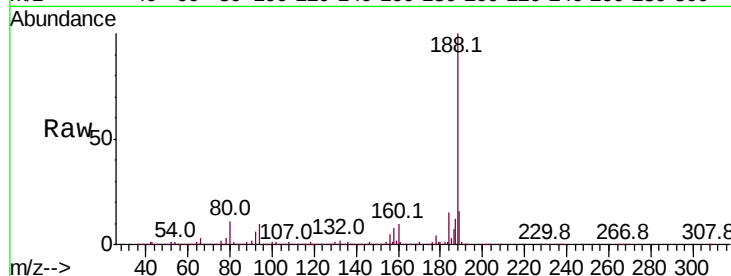
Tot Ion:188 Resp: 1708551

Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

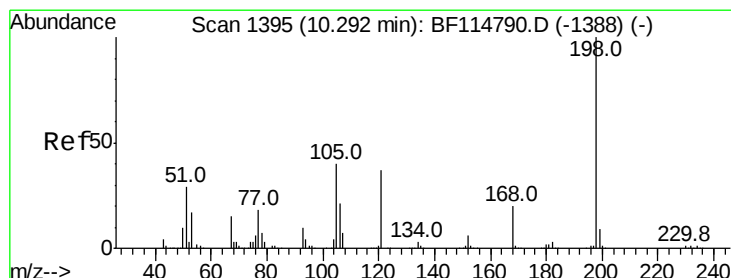
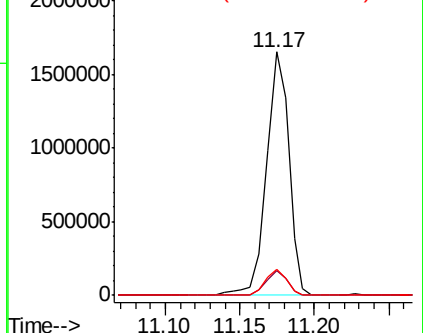
80 10.8 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 25.933 ng

RT: 10.30 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

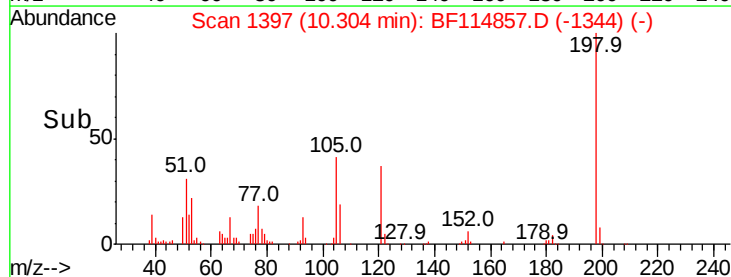
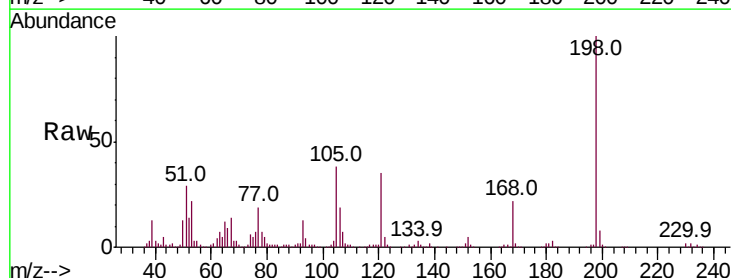
Tgt Ion:198 Resp: 230161

Ion Ratio Lower Upper

198 100

51 29.4 14.9 54.9

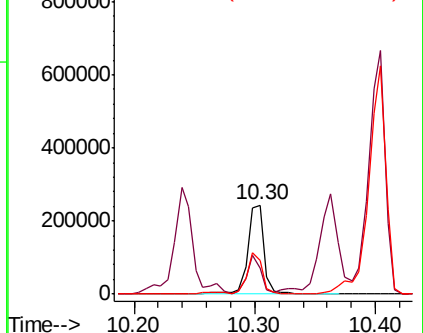
105 38.2 21.0 61.0

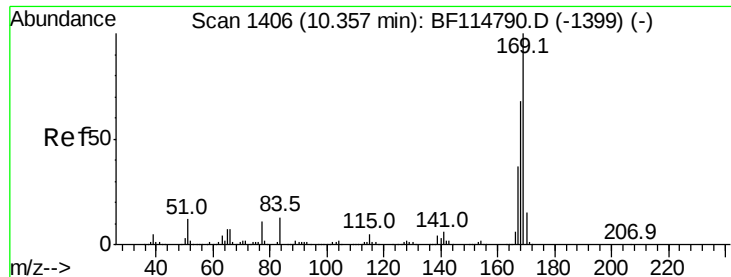


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 43.536 ng

RT: 10.36 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

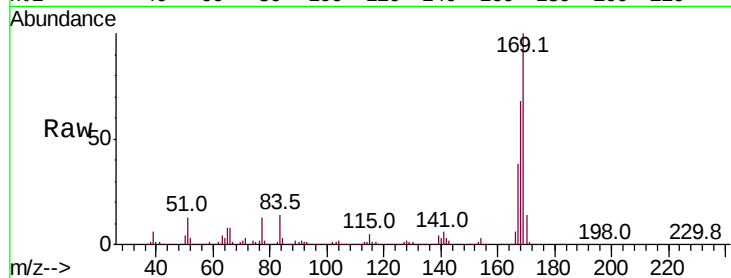
Tot Ion:169 Resp: 2249205

Ion Ratio Lower Upper

169 100

168 68.5 54.3 81.5

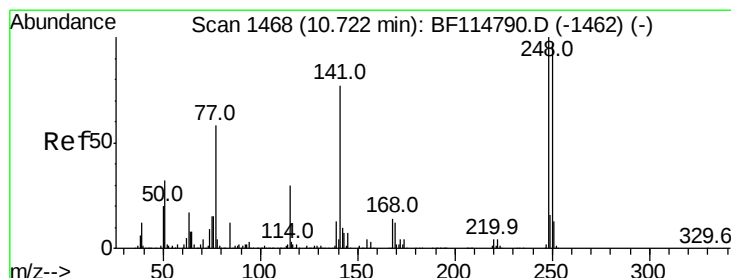
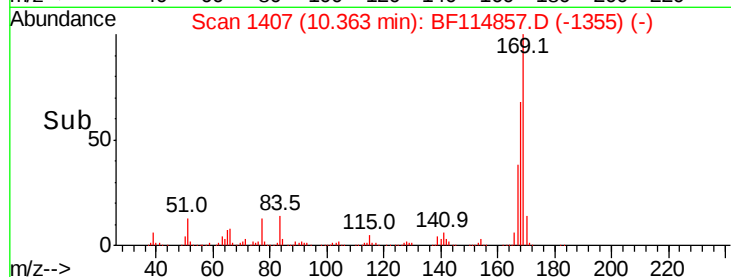
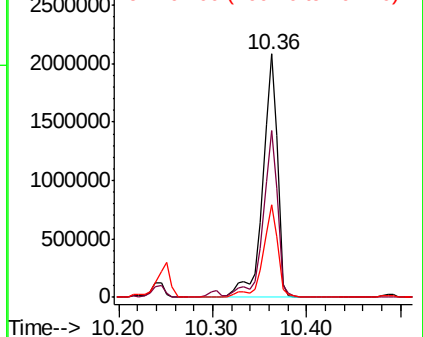
167 38.3 29.9 44.9



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 41.662 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

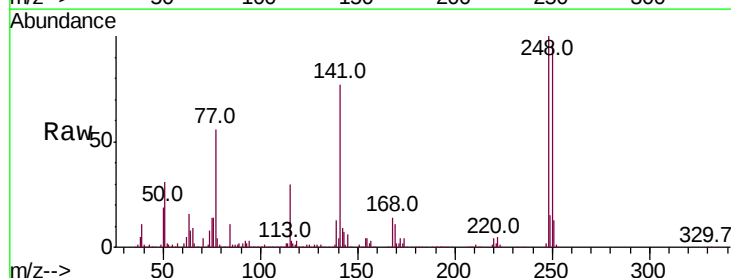
Tgt Ion:248 Resp: 808438

Ion Ratio Lower Upper

248 100

250 95.7 77.5 116.3

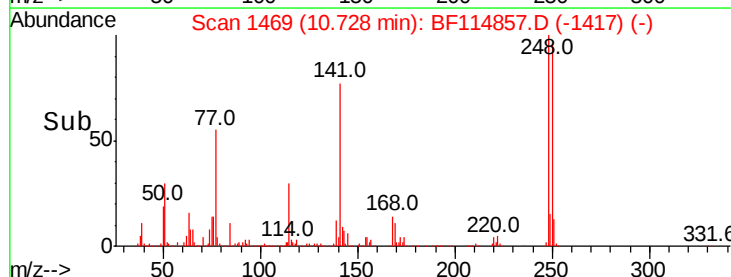
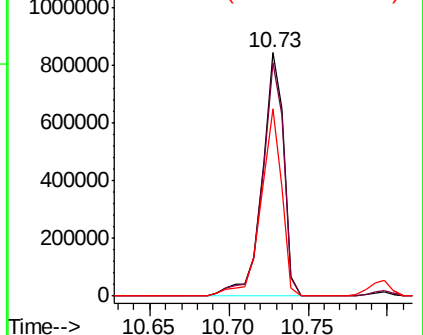
141 76.7 61.8 92.8

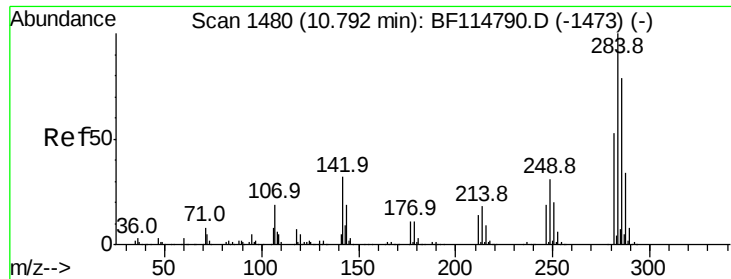


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 39.612 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

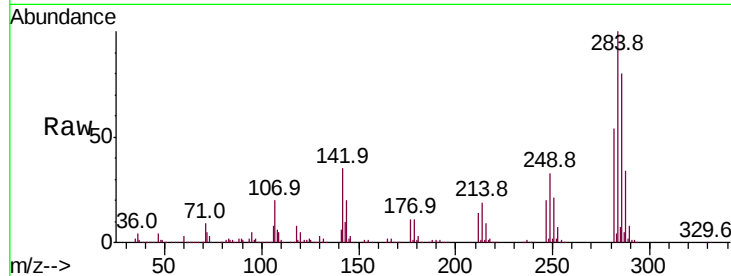
BNA_F

ClientSampleId :

IRONBOUND-TPMS

Tot Ion:284 Resp: 841256

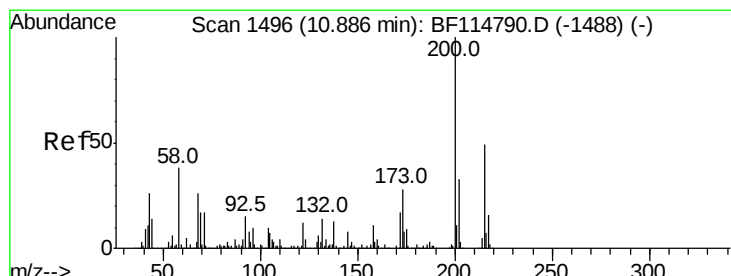
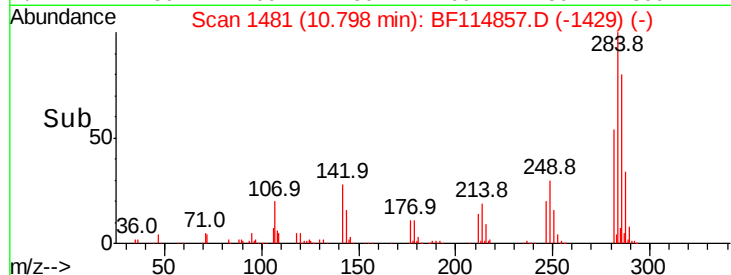
Ion	Ratio	Lower	Upper
284	100		
142	35.2	25.3	37.9
249	32.7	24.9	37.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 40.909 ng

RT: 10.89 min Scan# 1497

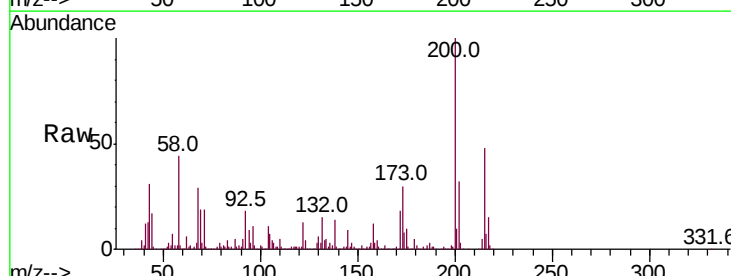
Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion:200 Resp: 735056

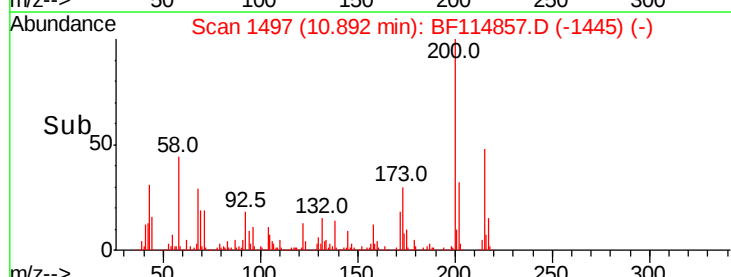
Ion	Ratio	Lower	Upper
200	100		
173	29.9	8.0	48.0
215	47.8	28.7	68.7

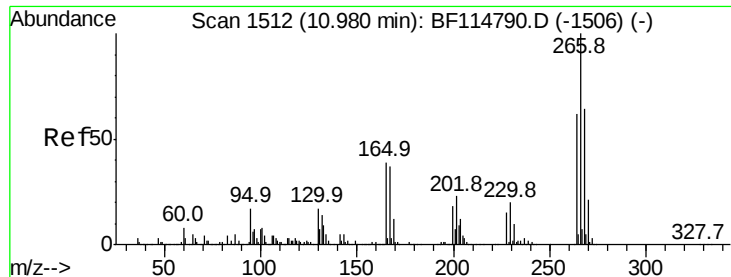


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 66.895 ng

RT: 10.99 min Scan# 1514

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

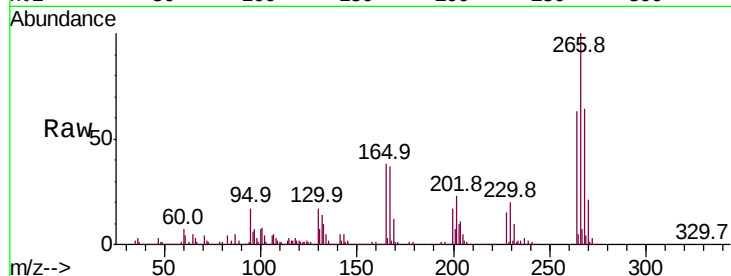
Tot Ion:266 Resp: 821276

Ion Ratio Lower Upper

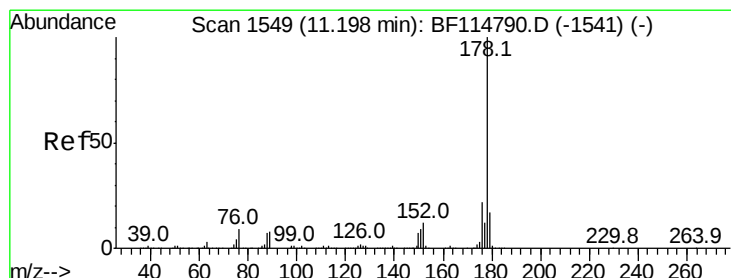
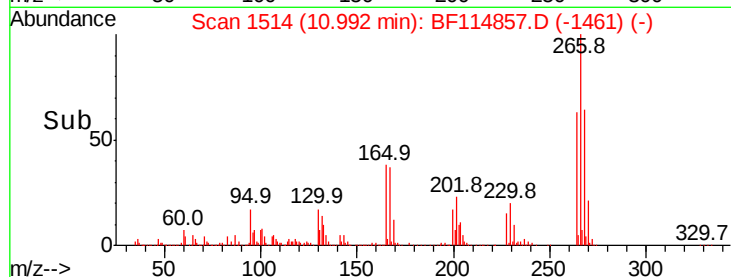
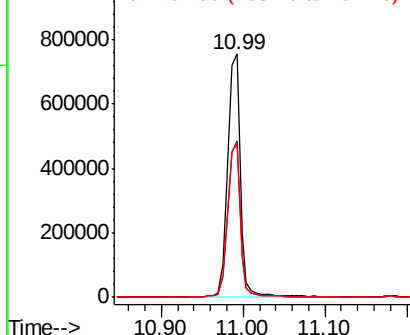
266 100

268 64.3 51.0 76.6

264 62.8 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 42.313 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

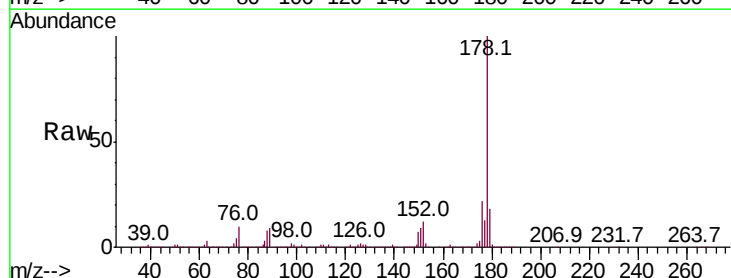
Tgt Ion:178 Resp: 3451220

Ion Ratio Lower Upper

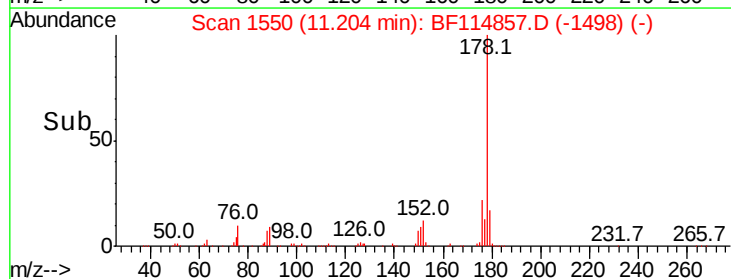
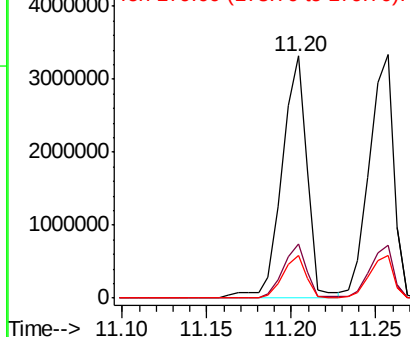
178 100

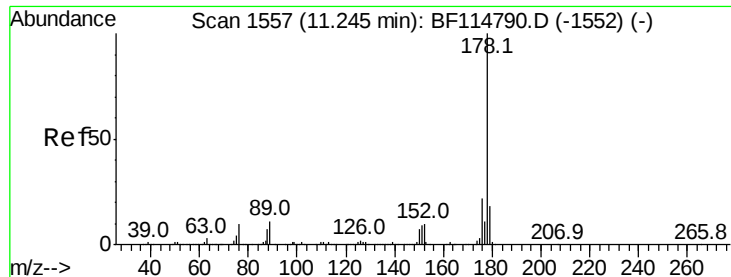
176 22.4 17.7 26.5

179 17.6 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 39.659 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

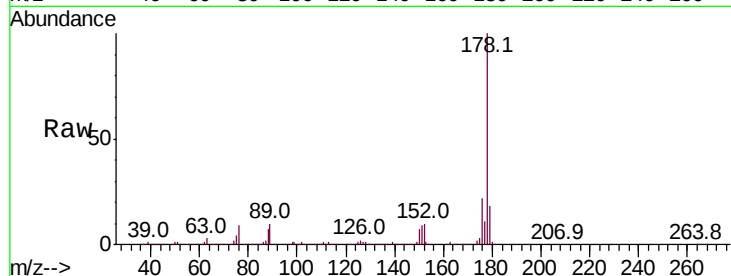
Tot Ion:178 Resp: 3404222

Ion Ratio Lower Upper

178 100

176 21.7 17.4 26.0

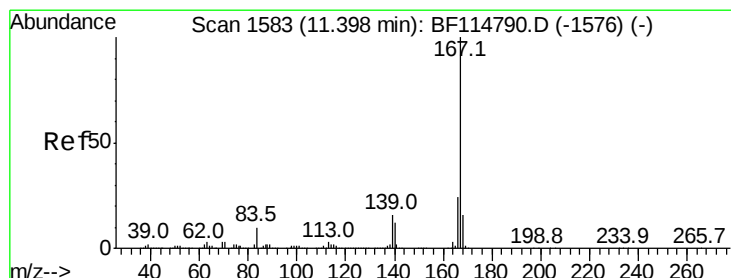
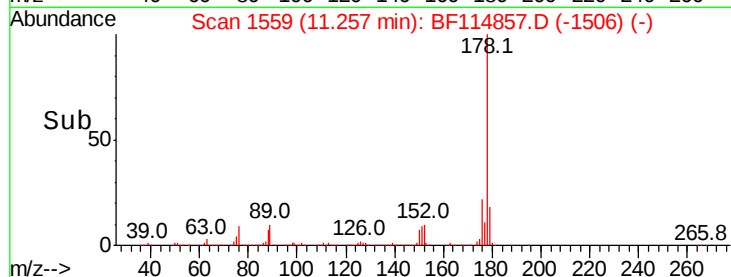
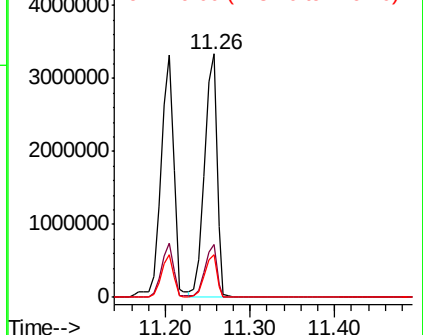
179 17.6 14.2 21.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 41.972 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

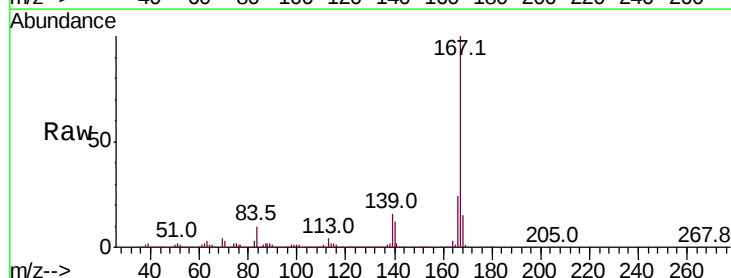
Tgt Ion:167 Resp: 3088517

Ion Ratio Lower Upper

167 100

166 23.9 19.1 28.7

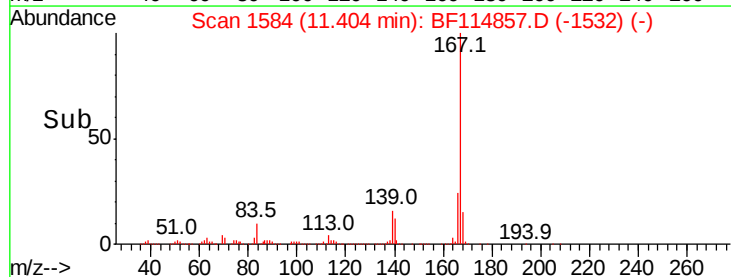
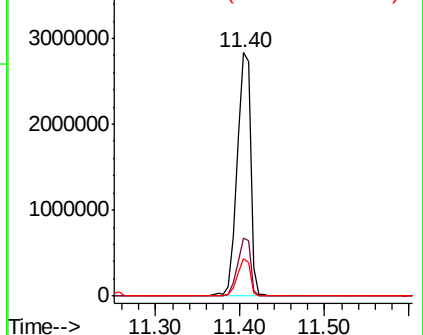
139 15.6 12.4 18.6

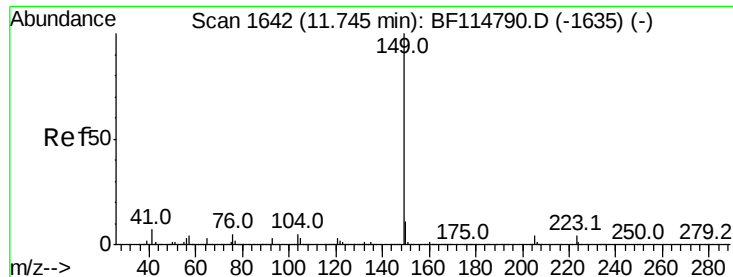


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 39.731 ng

RT: 11.75 min Scan# 1643

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

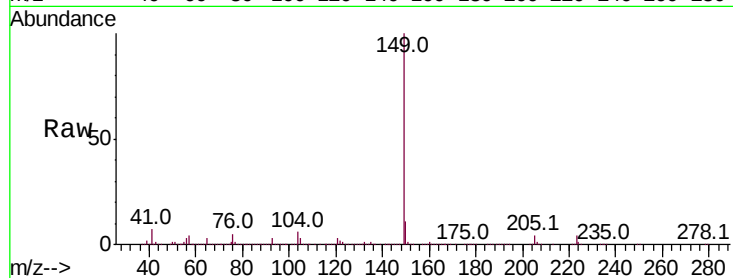
Tot Ion:149 Resp: 3845320

Ion Ratio Lower Upper

149 100

150 11.3 8.9 13.3

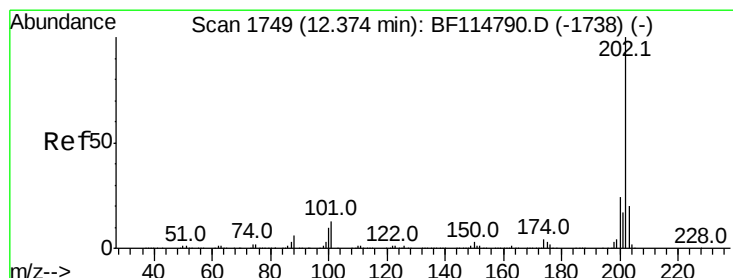
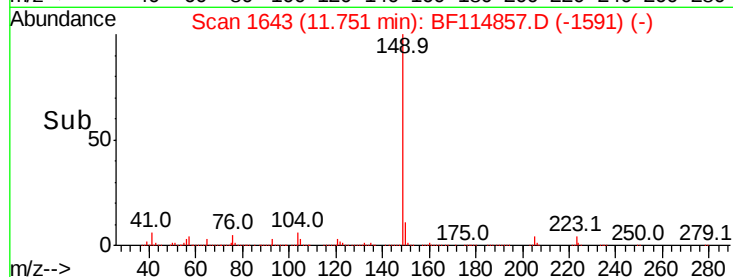
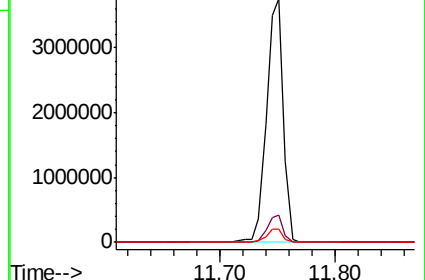
104 5.5 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 39.885 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

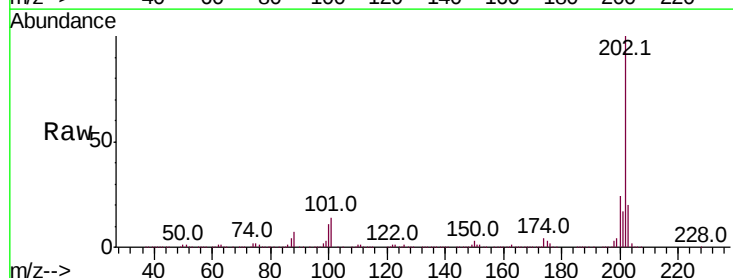
Tgt Ion:202 Resp: 3385966

Ion Ratio Lower Upper

202 100

101 14.4 0.0 32.8

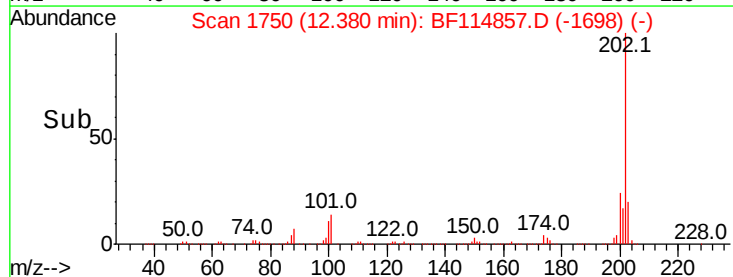
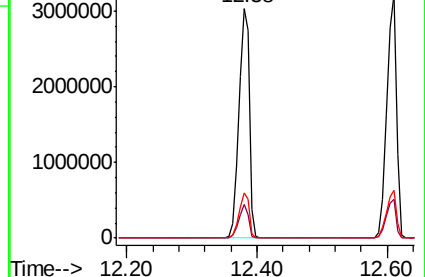
203 19.8 0.2 40.2

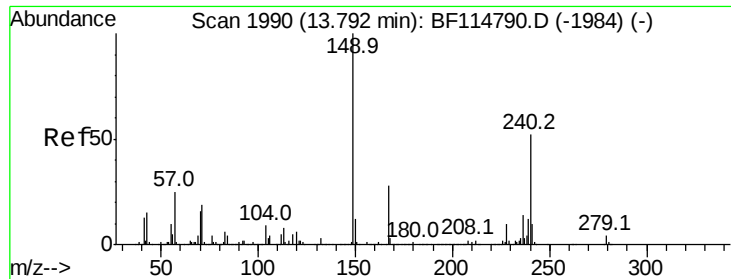


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

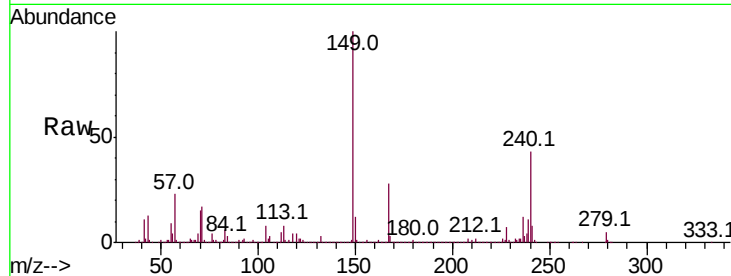




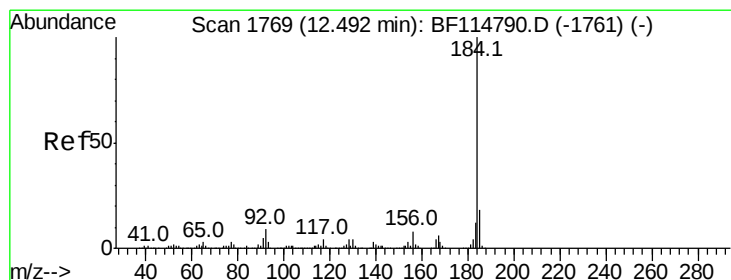
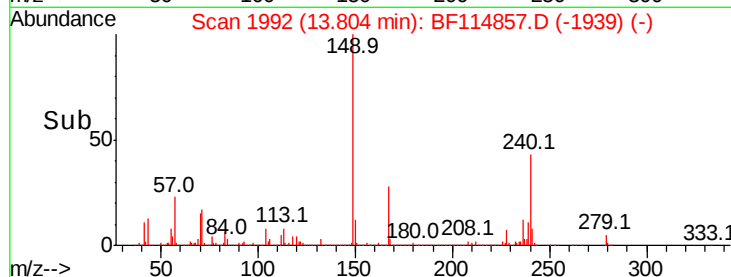
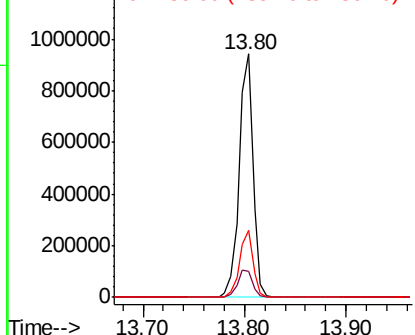
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:240 Resp: 892950
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.4
236 27.3 21.4 32.0

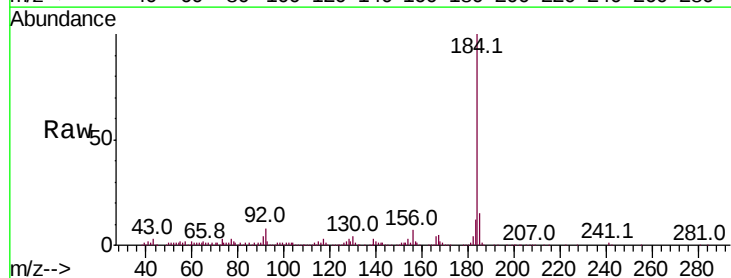


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

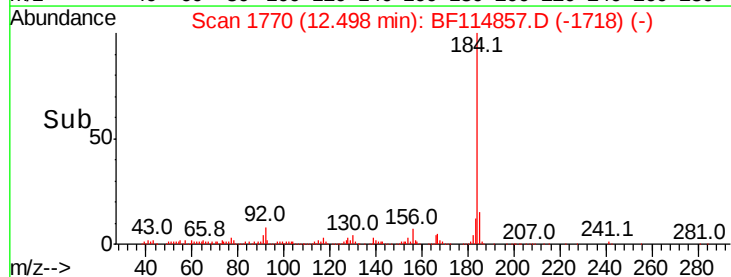
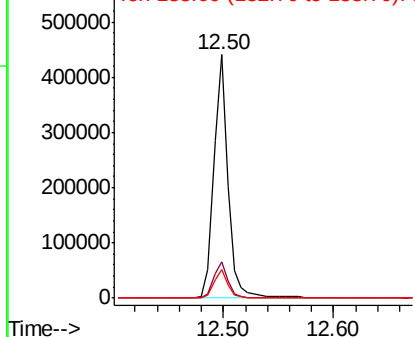


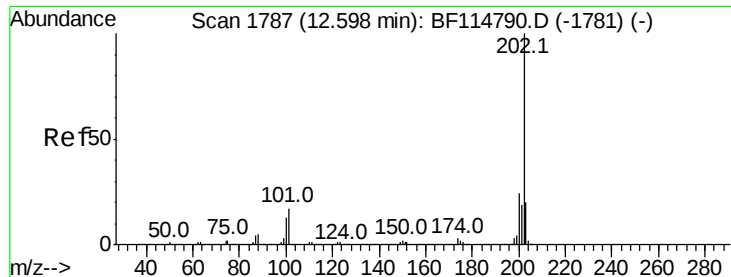
#77
Benzidine
Concen: 8.807 ng
RT: 12.50 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:184 Resp: 389333
Ion Ratio Lower Upper
184 100
185 14.9 14.1 21.1
183 11.5 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 42.963 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

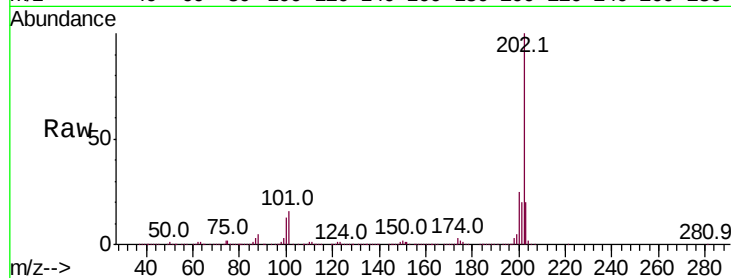
Tot Ion:202 Resp: 3328069

Ion	Ratio	Lower	Upper
202	100		
200	24.5	19.2	28.8
203	19.7	15.9	23.9

202 100

200 24.5 19.2 28.8

203 19.7 15.9 23.9

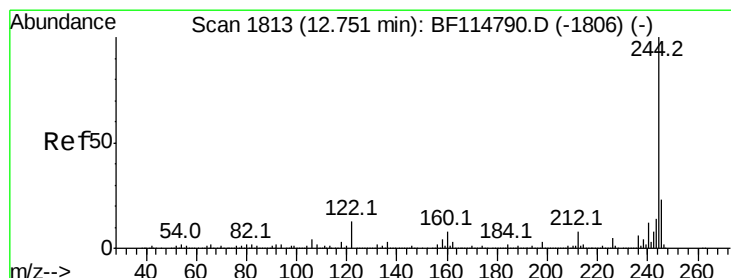
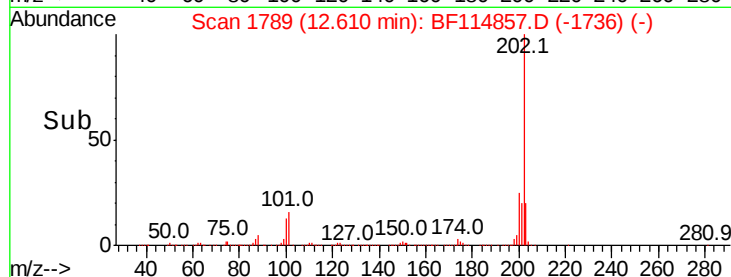
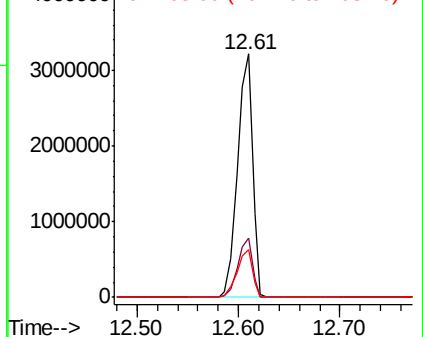


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 89.403 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

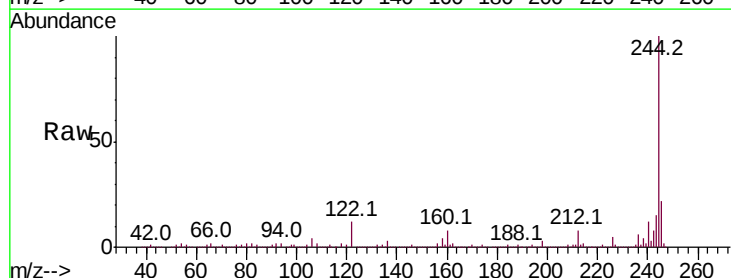
Tgt Ion:244 Resp: 4105024

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	12.0	10.5	15.7

244 100

212 8.0 6.5 9.7

122 12.0 10.5 15.7

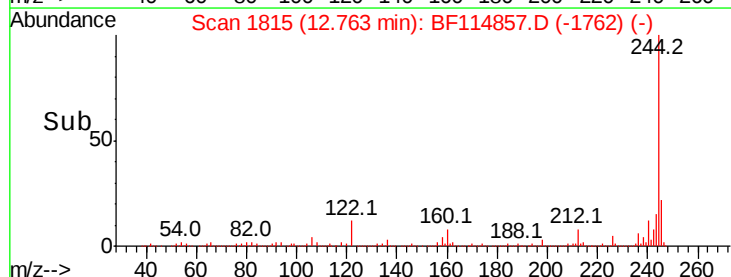
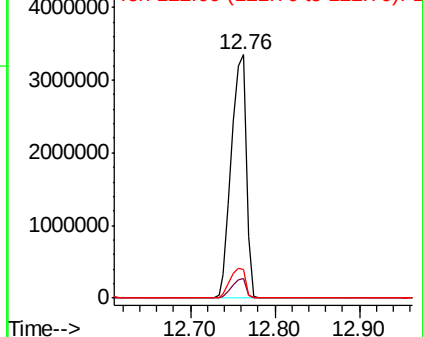


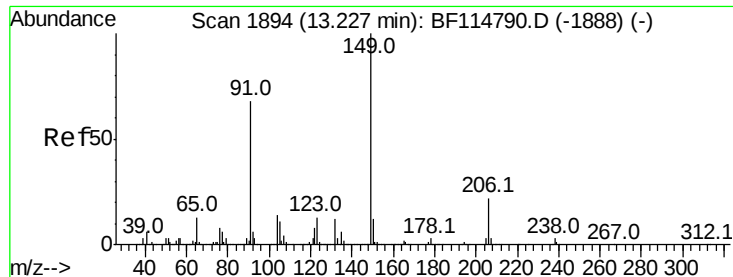
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

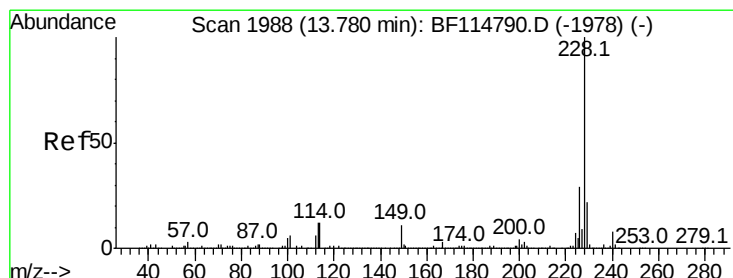
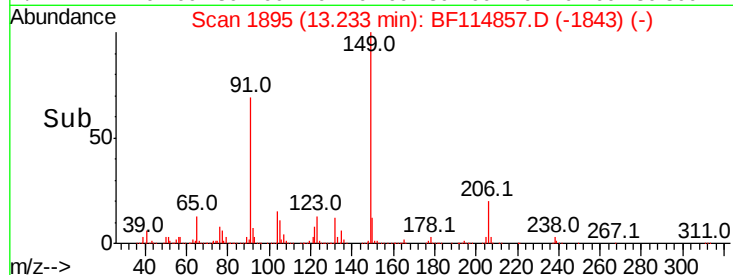
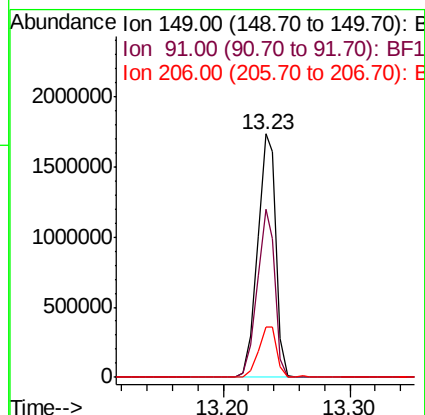
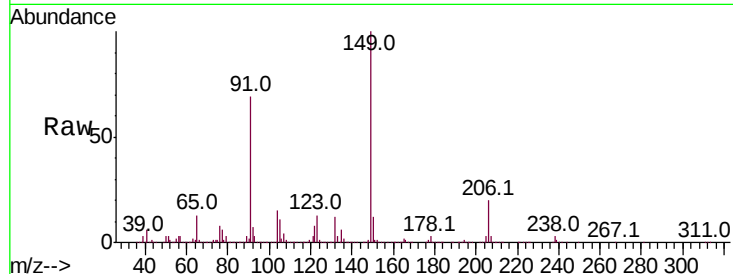




#80
Butylbenzylphthalate
Concen: 44.829 ng
RT: 13.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

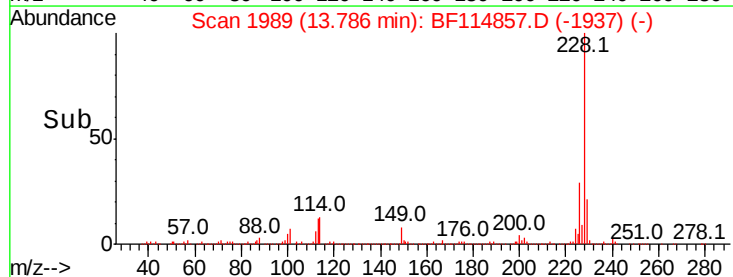
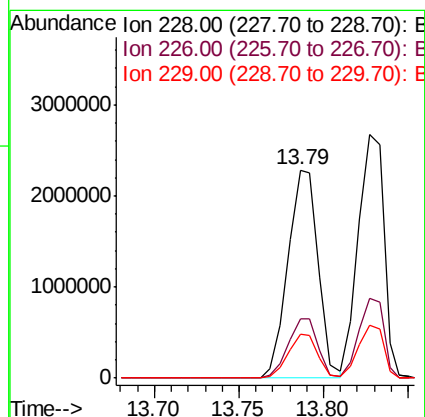
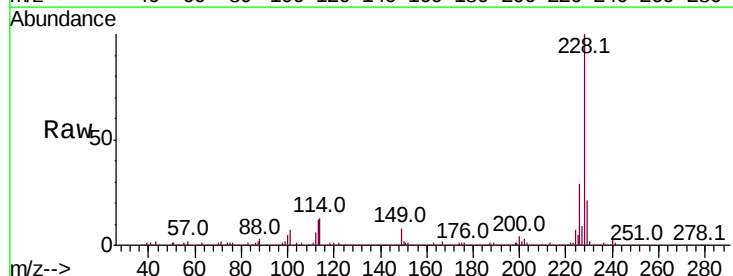
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

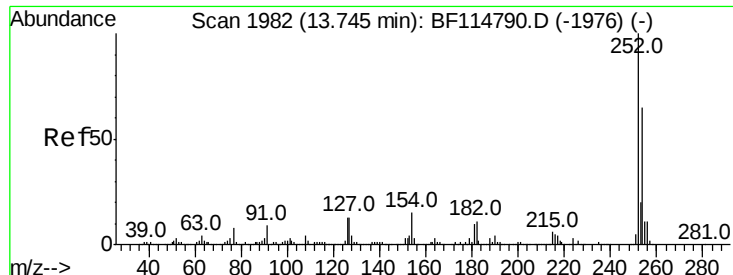
Tot Ion:149 Resp: 1753610
Ion Ratio Lower Upper
149 100
91 69.1 54.6 82.0
206 20.5 17.2 25.8



#81
Benzo(a)anthracene
Concen: 41.343 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:228 Resp: 2844866
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.2
229 21.3 17.4 26.0

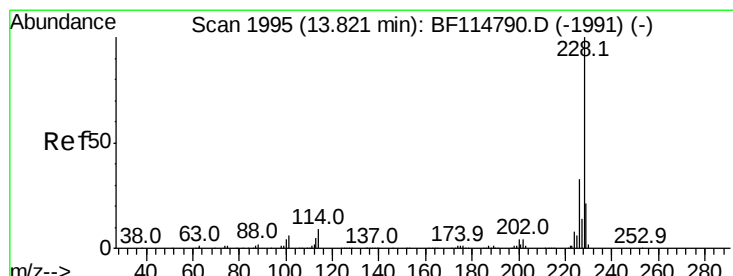
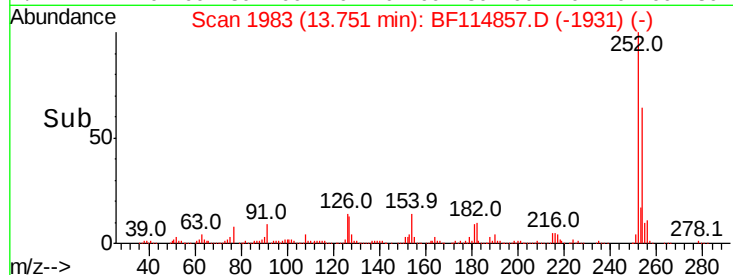
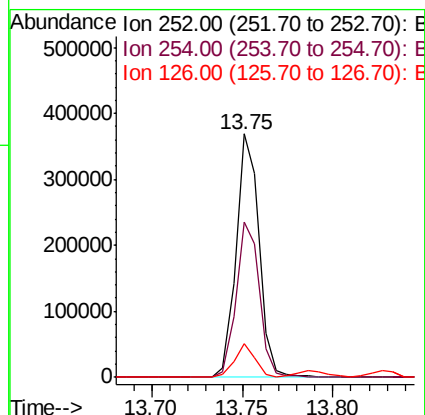
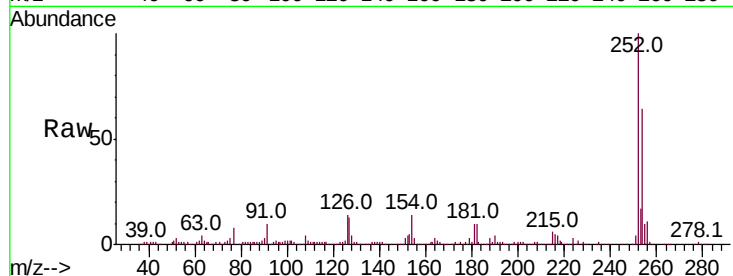




#82
 3,3'-Dichlorobenzidine
 Concen: 11.695 ng
 RT: 13.75 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

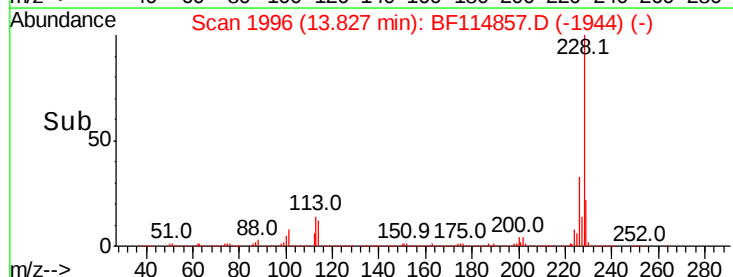
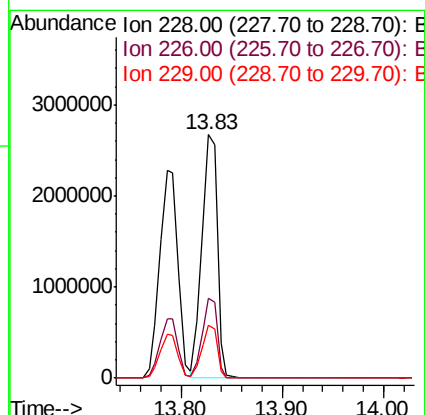
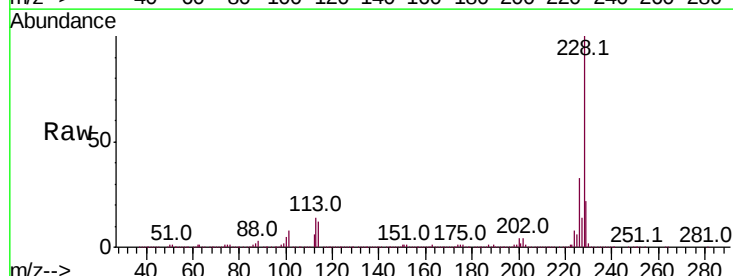
Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMS

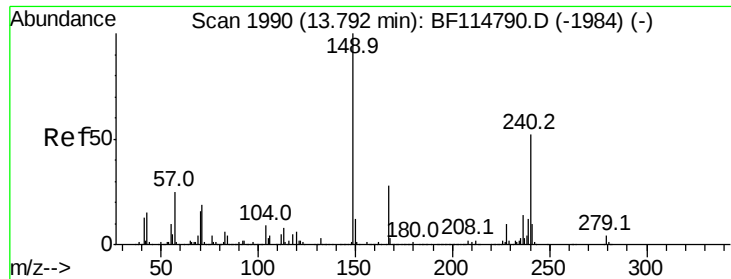
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.9	77.9
126	13.7	10.5	15.7



#83
 Chrysene
 Concen: 42.468 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.01 min
 Lab File: BF114857.D
 Acq: 6 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	26.0	39.0
229	21.6	17.1	25.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 42.435 ng

RT: 13.80 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

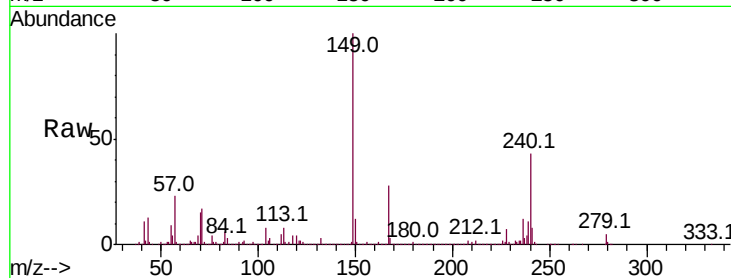
Tot Ion:149 Resp: 2099032

Ion Ratio Lower Upper

149 100

167 28.2 22.7 34.1

279 4.6 3.1 4.7

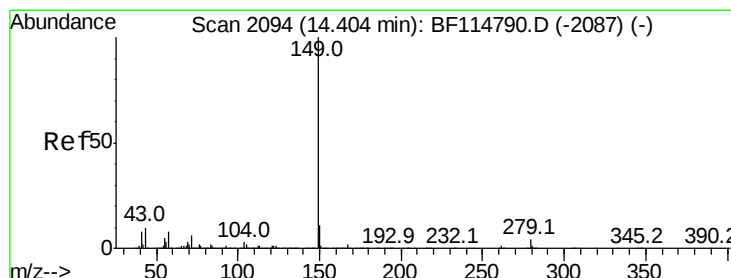
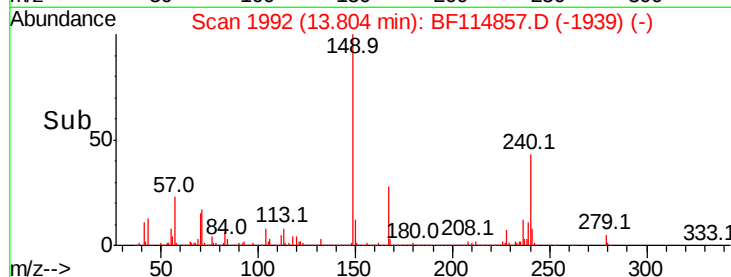
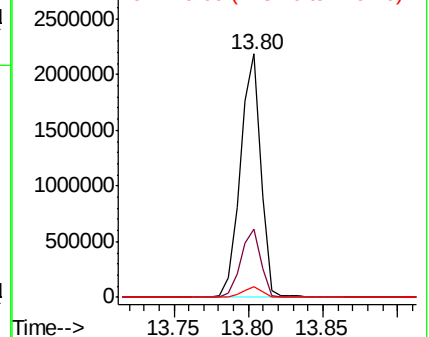


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 44.574 ng

RT: 14.42 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

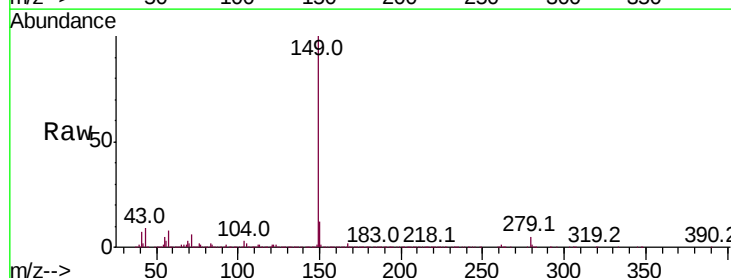
Tgt Ion:149 Resp: 3746387

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 8.7 7.0 10.6

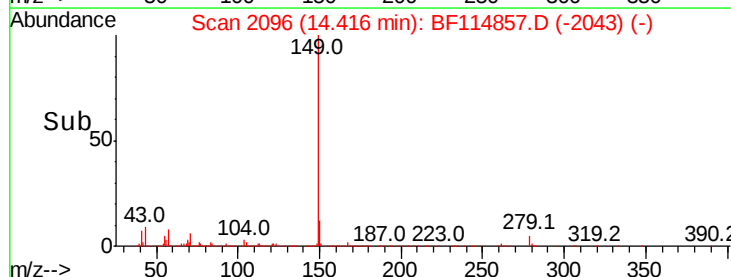
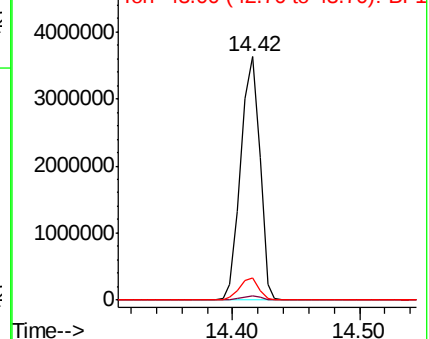


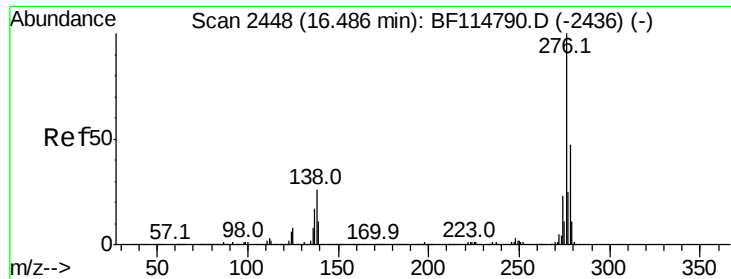
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

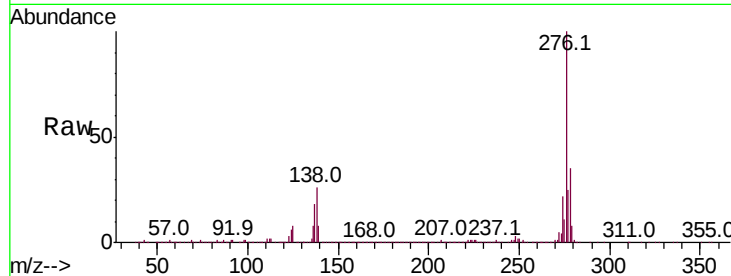




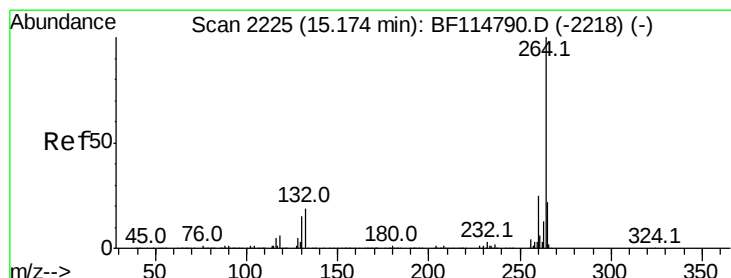
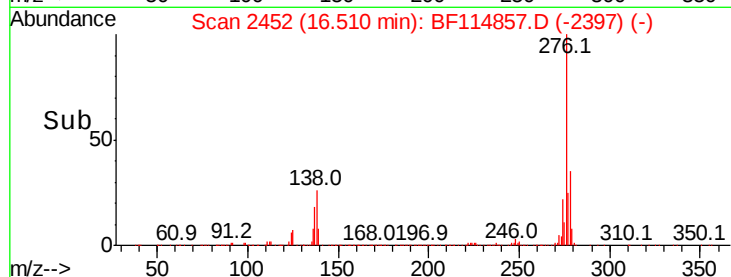
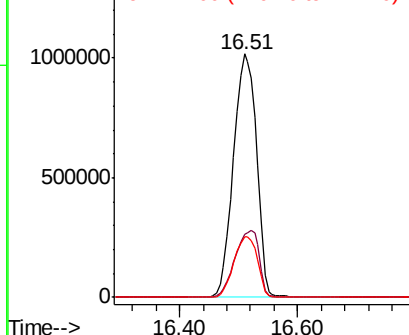
#86
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 16.51 min Scan# 2452
Delta R.T. 0.02 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:276 Resp: 2777546
Ion Ratio Lower Upper
276 100
138 28.8 22.2 33.4
277 25.6 20.6 30.8

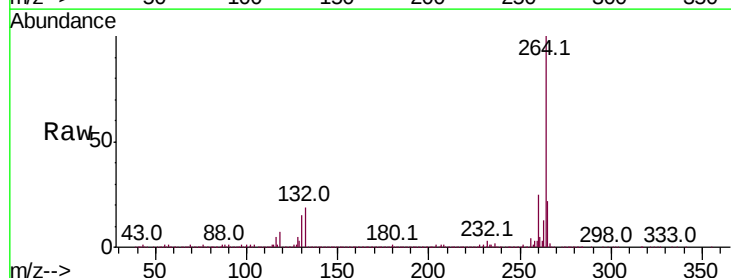


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

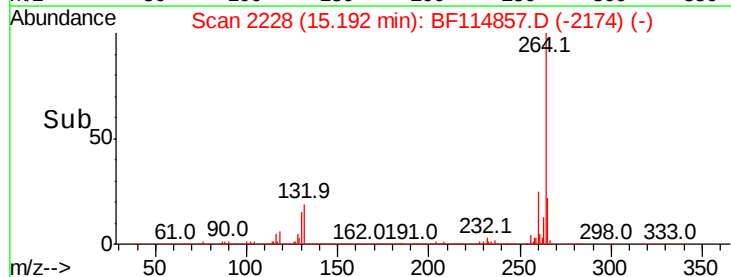
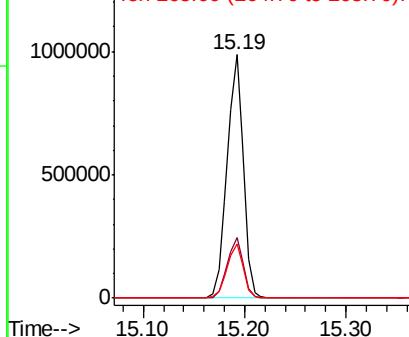


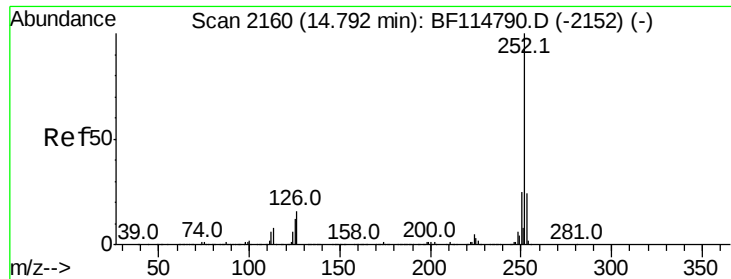
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BF114857.D
Acq: 6 Jun 2019 12:36

Tgt Ion:264 Resp: 1102373
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 22.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 42.450 ng

RT: 14.81 min Scan# 2163

Delta R.T. 0.02 min

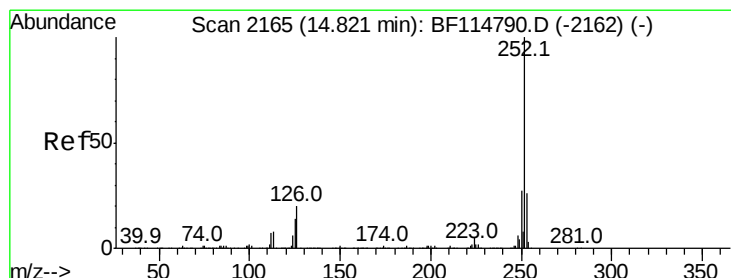
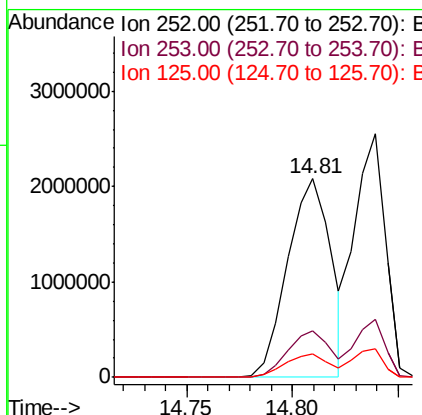
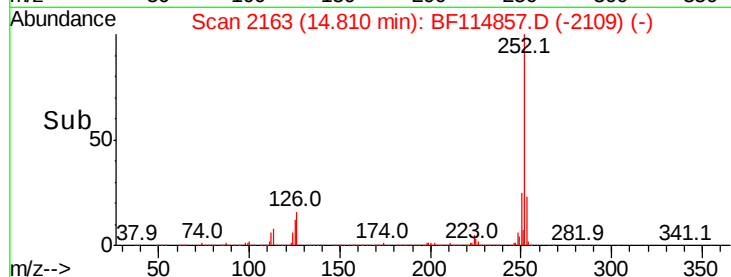
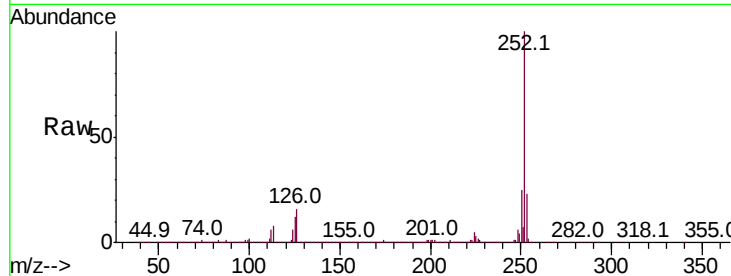
Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMS

Tot Ion:252 Resp: 2979075

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.6
125	11.9	9.4	14.0



#89

Benzo(k)fluoranthene

Concen: 43.628 ng

RT: 14.84 min Scan# 2168

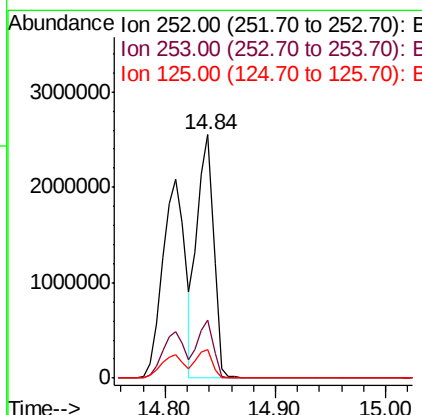
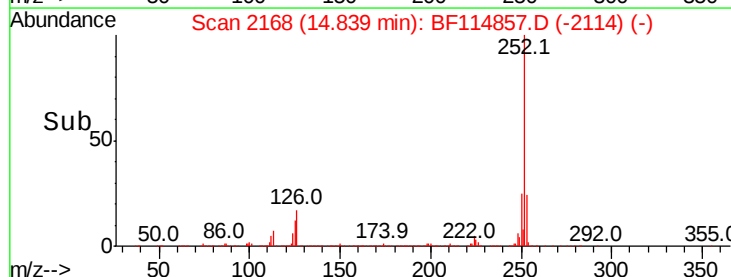
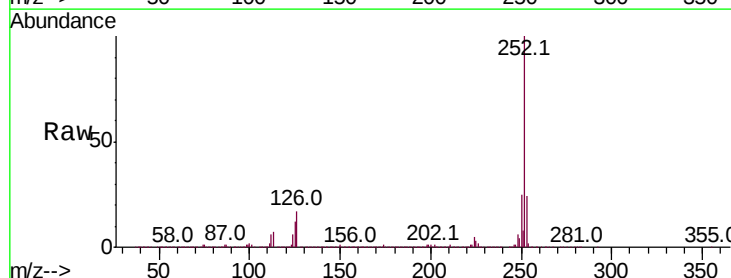
Delta R.T. 0.02 min

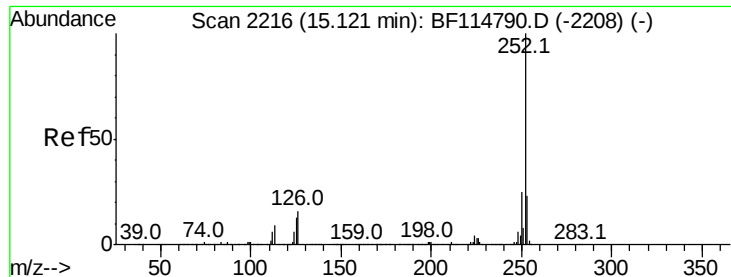
Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Tgt Ion:252 Resp: 2600073

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.3	28.9
125	11.6	10.1	15.1





#90

Benzo(a)pyrene

Concen: 43.890 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.02 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

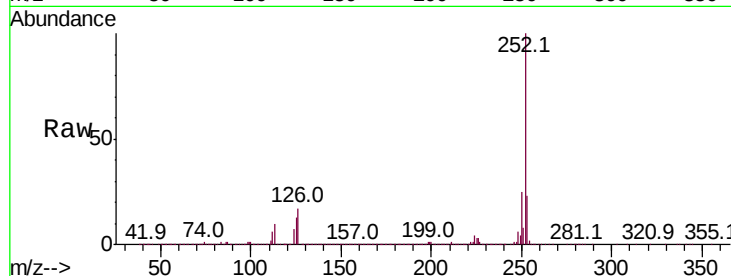
Tot Ion:252 Resp: 2665972

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

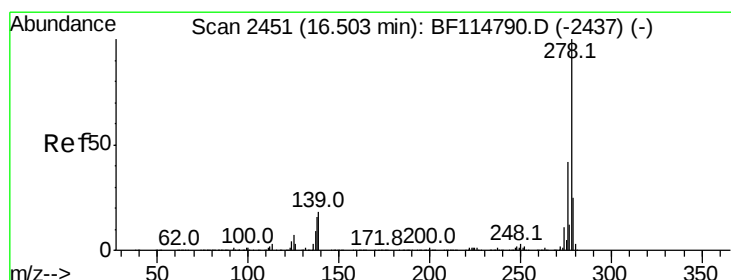
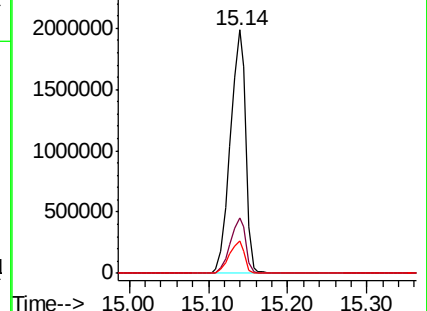
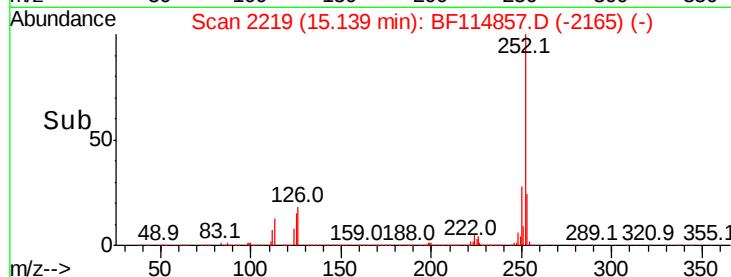
125 13.2 10.1 15.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 39.644 ng

RT: 16.53 min Scan# 2456

Delta R.T. 0.03 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

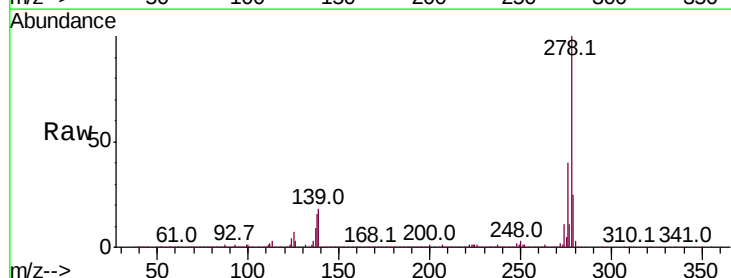
Tgt Ion:278 Resp: 2280466

Ion Ratio Lower Upper

278 100

139 18.4 14.6 22.0

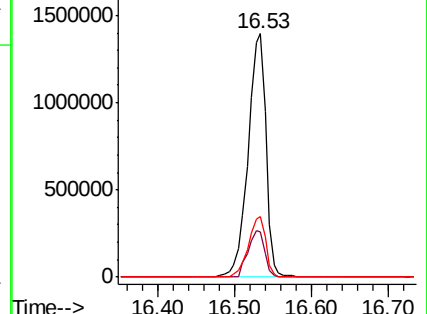
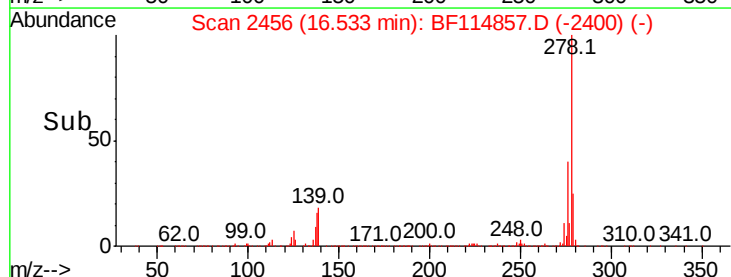
279 24.6 20.1 30.1

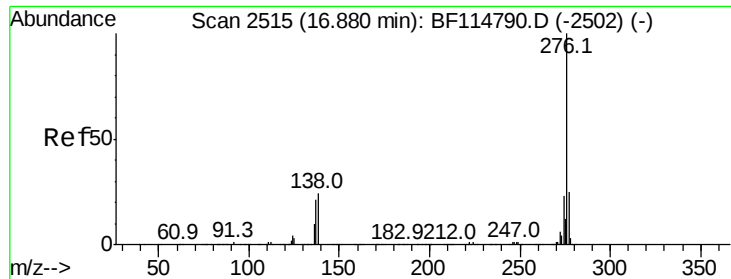


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 40.004 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.03 min

Lab File: BF114857.D

Acq: 6 Jun 2019 12:36

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMS

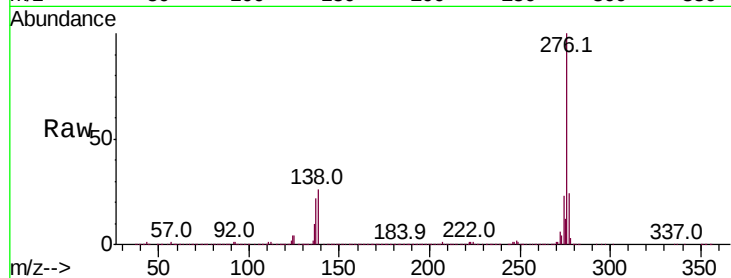
Tot Ion:276 Resp: 2314083

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 26.4 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

