

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114858.D
 Acq On : 6 Jun 2019 13:03
 Operator : HP/JU
 Sample : K3150-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

Quant Time: Jun 07 00:00:11 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	448905	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1797185	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	906988	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1690862	20.00	ng	0.00
76) Chrysene-d12	13.80	240	870407	20.00	ng	0.01
87) Perylene-d12	15.19	264	1065002	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2909602	113.26	ng	0.04
7) Phenol-d6	6.32	99	3285058	105.09	ng	0.02
23) Nitrobenzene-d5	7.23	82	2500546	85.65	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	1095042	112.03	ng	0.01
45) 2-Fluorobiphenyl	9.03	172	4694562	96.96	ng	0.00
79) Terphenyl-d14	12.76	244	4075848	91.07	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.28	79	544624	16.156	ng	98
4) n-Nitrosodimethylamine	3.13	42	479938	38.901	ng	99
6) Aniline	6.33	93	249465	5.624	ng	# 1
8) 2-Chlorophenol	6.46	128	1207403	40.677	ng	98
9) Benzaldehyde	6.21	77	385412	17.774	ng	97
10) Phenol	6.33	94	1195704	33.448	ng	77
11) bis(2-Chloroethyl)ether	6.41	93	1168344	41.877	ng	97
12) 1,3-Dichlorobenzene	6.61	146	1325281	38.316	ng	99
13) 1,4-Dichlorobenzene	6.69	146	1349961	38.788	ng	99
14) 1,2-Dichlorobenzene	6.84	146	1216251	38.695	ng	100
15) Benzyl Alcohol	6.82	79	954188	40.364	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1615590	40.490	ng	97
17) 2-Methylphenol	6.93	107	1044971	41.185	ng	97
18) Hexachloroethane	7.18	117	499357	38.120	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	855238	41.330	ng	99
20) 3+4-Methylphenols	7.09	107	1192000	42.594	ng	90
22) Acetophenone	7.08	105	1745768	44.121	ng	# 98
24) Nitrobenzene	7.25	77	1297410	42.897	ng	99
25) Isophorone	7.50	82	2498123	43.283	ng	99
26) 2-Nitrophenol	7.57	139	730705	44.607	ng	95
27) 2,4-Dimethylphenol	7.62	122	1177340	47.287	ng	99
28) bis(2-Chloroethoxy)methane	7.71	93	1597070	43.288	ng	99
29) 2,4-Dichlorophenol	7.82	162	1163988	44.436	ng	99
30) 1,2,4-Trichlorobenzene	7.90	180	1258623	41.876	ng	99
31) Naphthalene	7.97	128	3711867	45.877	ng	99
32) Benzoic acid	7.74	122	494398	27.264	ng	98
33) 4-Chloroaniline	8.02	127	118610	3.073	ng	96
34) Hexachlorobutadiene	8.10	225	685665	40.126	ng	98
35) Caprolactam	8.40	113	166398	19.446	ng	95
36) 4-Chloro-3-methylphenol	8.51	107	1179400	45.248	ng	98
37) 2-Methylnaphthalene	8.66	142	2606342	46.442	ng	100
38) 1-Methylnaphthalene	8.76	142	2468298	46.378	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	1091775	41.770	ng	99
41) Hexachlorocyclopentadiene	8.82	237	1112509	70.179	ng	100

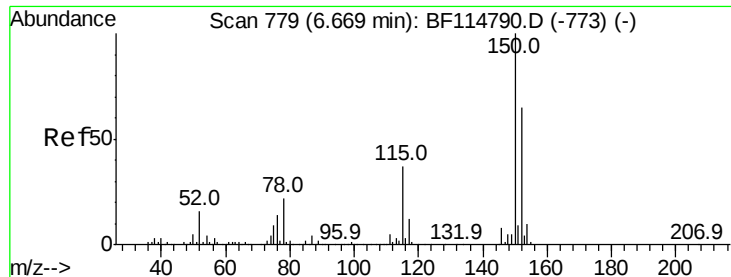
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114858.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	8.95	196	944052	46.449	ng	99
44) 2,4,5-Trichlorophenol	8.99	196	767931	37.517	ng	97
46) 1,1'-Biphenyl	9.13	154	2982710	44.371	ng	98
47) 2-Chloronaphthalene	9.15	162	2371963	41.526	ng	100
48) 2-Nitroaniline	9.25	65	685776	40.231	ng	99
49) Acenaphthylene	9.56	152	3614495	43.636	ng	100
50) Dimethylphthalate	9.44	163	2450089	36.986	ng	99
51) 2,6-Dinitrotoluene	9.49	165	608284	39.045	ng	99
52) Acenaphthene	9.73	154	2291758	42.236	ng	99
53) 3-Nitroaniline	9.65	138	93561	5.141	ng	94
54) 2,4-Dinitrophenol	9.76	184	268200	38.045	ng	91
55) Dibenzofuran	9.91	168	3092145	40.981	ng	99
56) 4-Nitrophenol	9.83	139	885949	66.435	ng	98
57) 2,4-Dinitrotoluene	9.90	165	788651	40.269	ng	97
58) Fluorene	10.25	166	2182424	45.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.03	232	675715	40.294	ng	100
60) Diethylphthalate	10.13	149	2560572	38.521	ng	99
61) 4-Chlorophenyl-phenylether	10.25	204	1107908	38.337	ng	97
62) 4-Nitroaniline	10.27	138	606645	34.367	ng	99
63) Azobenzene	10.40	77	2281407	40.320	ng	99
65) 4,6-Dinitro-2-methylphenol	10.30	198	235057	26.762	ng	89
66) n-Nitrosodiphenylamine	10.36	169	2213090	43.285	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	795628	41.430	ng	99
68) Hexachlorobenzene	10.80	284	840053	39.970	ng	98
69) Atrazine	10.89	200	729948	41.050	ng	98
70) Pentachlorophenol	10.99	266	813068	66.919	ng	99
71) Phenanthrene	11.20	178	3394712	42.055	ng	99
72) Anthracene	11.26	178	3370180	39.673	ng	99
73) Carbazole	11.40	167	3073150	42.200	ng	100
74) Di-n-butylphthalate	11.75	149	3785879	39.526	ng	100
75) Fluoranthene	12.38	202	3384278	40.282	ng	98
77) Benzidine	12.50	184	397736	9.230	ng	95
78) Pyrene	12.61	202	3312692	43.872	ng	99
80) Butylbenzylphthalate	13.23	149	1744672	45.756	ng	99
81) Benzo(a)anthracene	13.79	228	2757176	41.107	ng	100
82) 3,3'-Dichlorobenzidine	13.75	252	319629	11.752	ng	99
83) Chrysene	13.83	228	2802997	42.958	ng	99
84) Bis(2-ethylhexyl)phthalate	13.80	149	2068872	42.909	ng	100
85) Di-n-octyl phthalate	14.41	149	3673744	44.842	ng	100
86) Indeno(1,2,3-cd)pyrene	16.50	276	2710645	36.410	ng	99
88) Benzo(b)fluoranthene	14.80	252	3043358	44.887	ng	99
89) Benzo(k)fluoranthene	14.83	252	2376396	41.274	ng	99
90) Benzo(a)pyrene	15.13	252	2590642	44.146	ng	100
91) Dibenzo(a,h)anthracene	16.52	278	2227026	40.073	ng	99
92) Benzo(g,h,i)perylene	16.90	276	2232001	39.939	ng	98

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

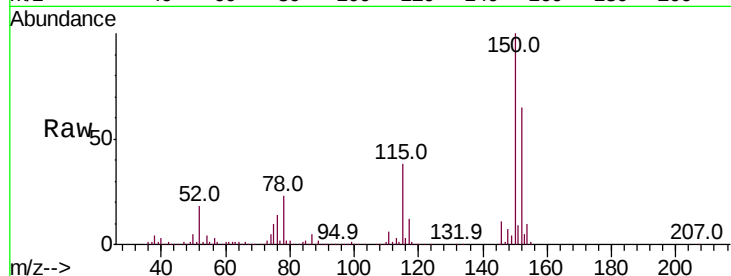


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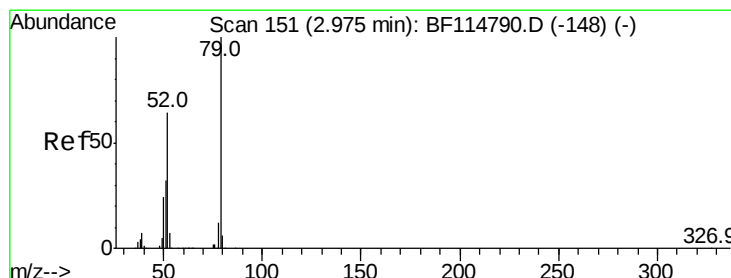
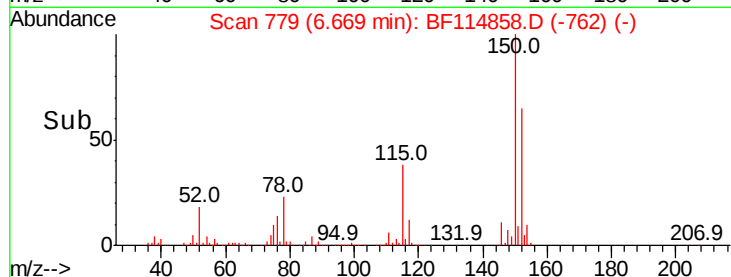
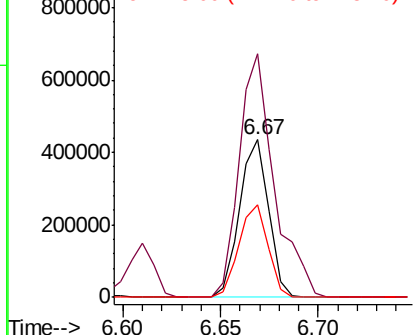
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion:152 Resp: 448905
Ion Ratio Lower Upper
152 100
150 154.4 124.0 186.0
115 58.9 46.3 69.5



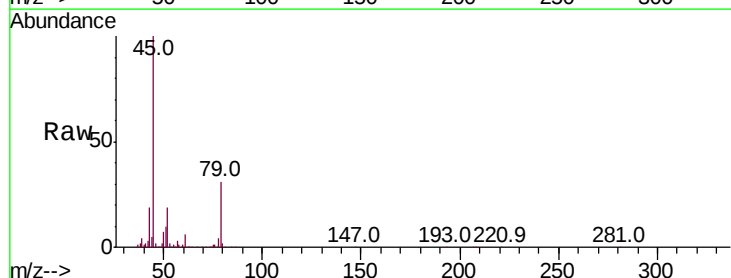
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



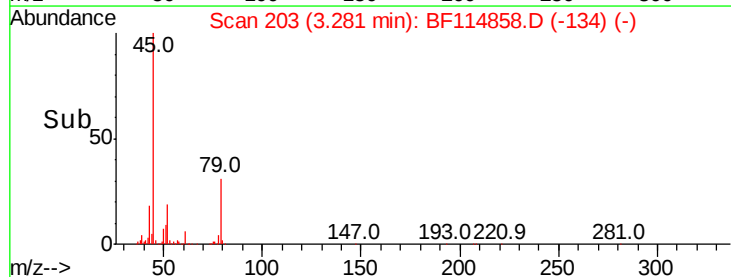
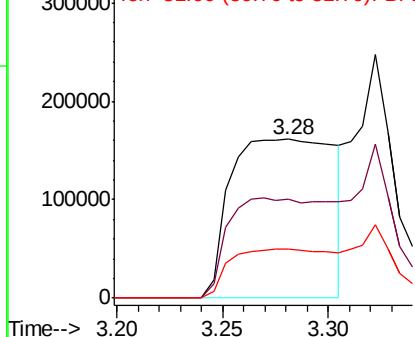
#3

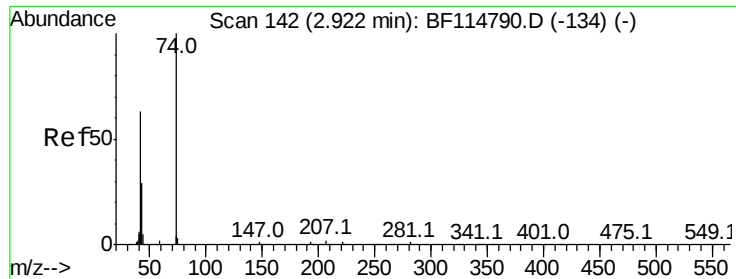
Pyridine
Concen: 16.156 ng
RT: 3.28 min Scan# 203
Delta R.T. 0.31 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion: 79 Resp: 544624
Ion Ratio Lower Upper
79 100
52 62.4 51.0 76.4
51 31.0 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



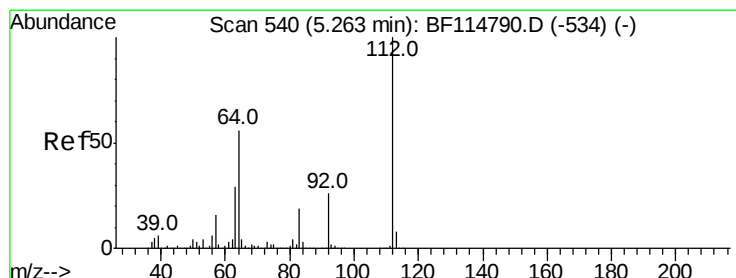
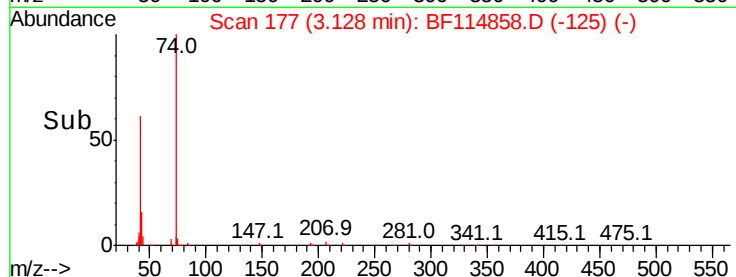
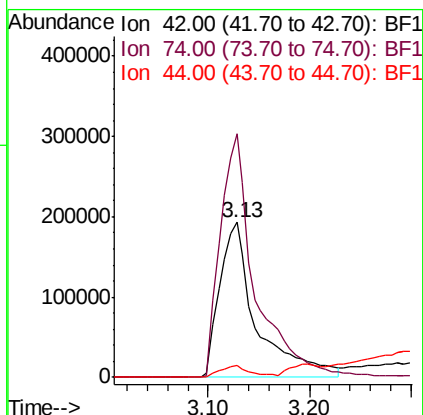
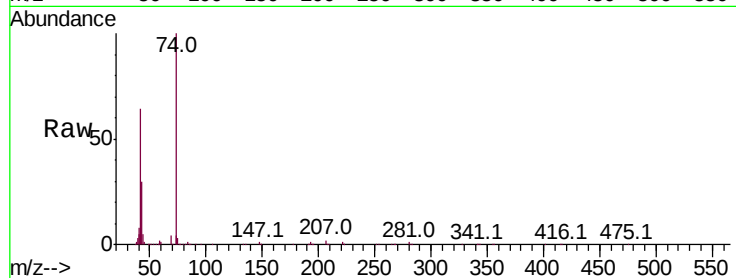


#4

n-Nitrosodimethylamine
 Concen: 38.901 ng
 RT: 3.13 min Scan# 177
 Delta R.T. 0.21 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

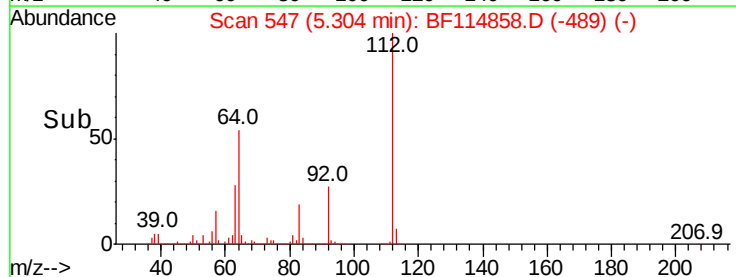
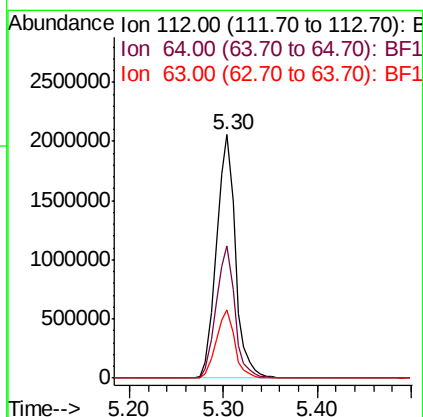
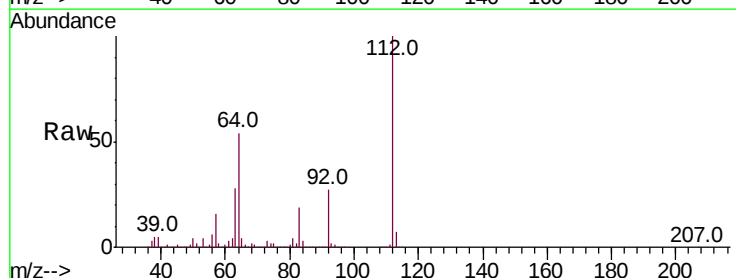
Tot Ion	Ratio	Lower	Upper
42	100		
74	156.8	126.2	189.2
44	7.3	5.9	8.9

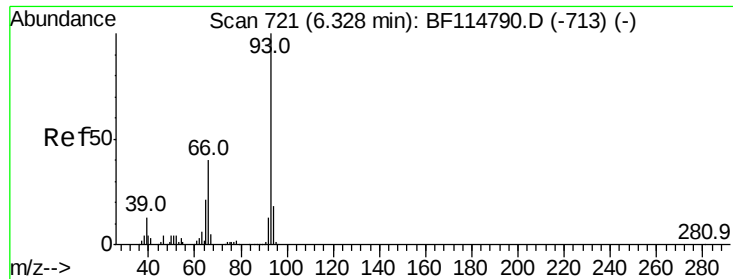


#5

2-Fluorophenol
 Concen: 113.256 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.04 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.6	66.8
63	27.9	23.0	34.4





#6

Aniline

Concen: 5.624 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

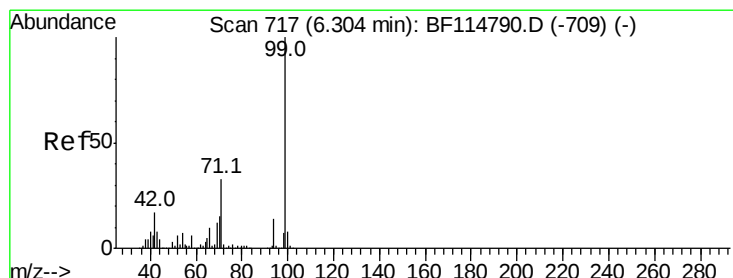
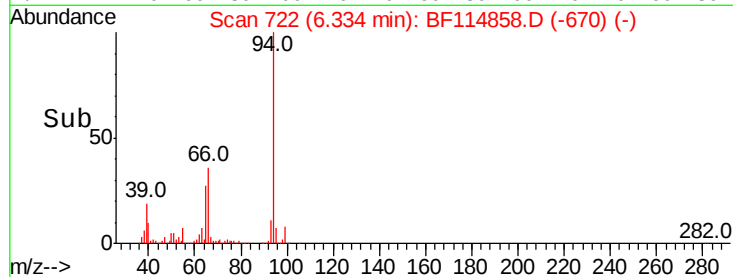
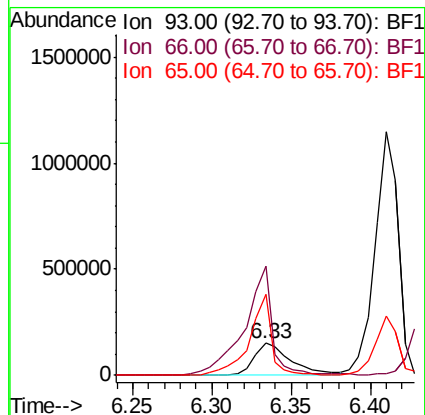
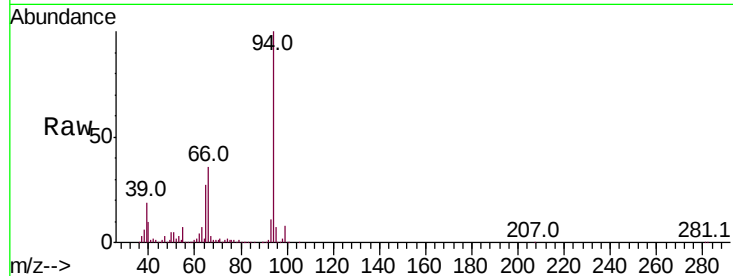
Tot Ion: 93 Resp: 249465

Ion Ratio Lower Upper

93 100

66 336.9 32.8 49.2#

65 249.4 16.9 25.3#



#7

Phenol-d6

Concen: 105.087 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.02 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

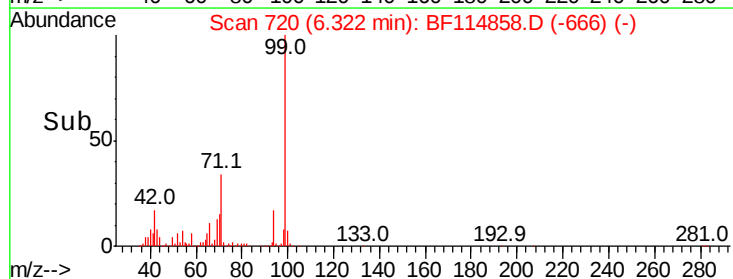
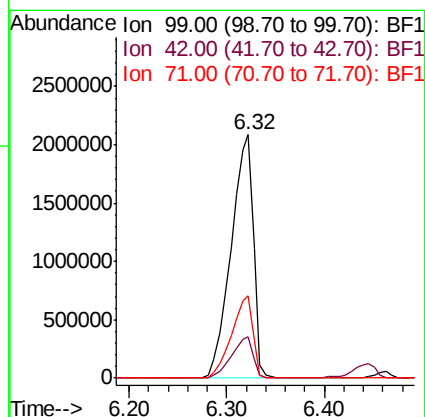
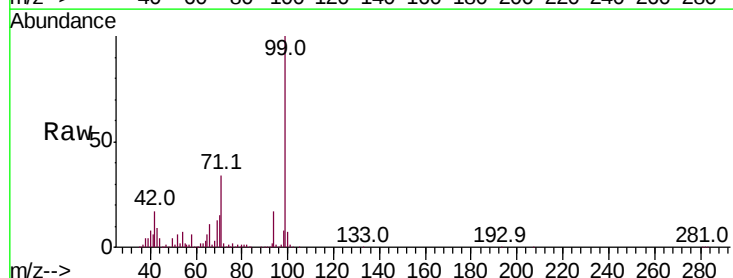
Tgt Ion: 99 Resp: 3285058

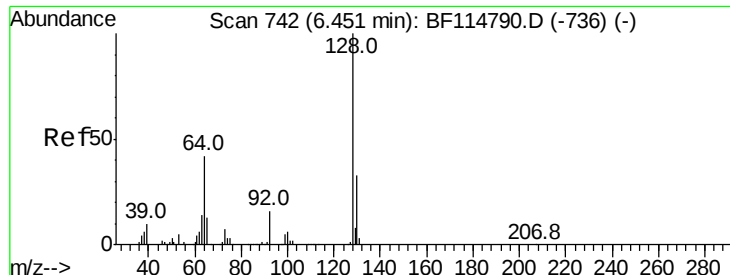
Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

71 33.6 26.3 39.5





#8

2-Chlorophenol

Concen: 40.677 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

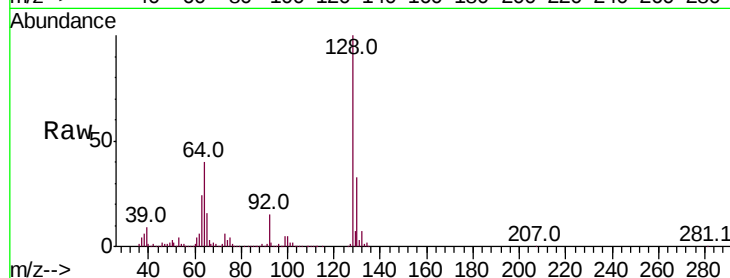
Tot Ion:128 Resp: 1207403

Ion Ratio Lower Upper

128 100

130 33.2 12.7 52.7

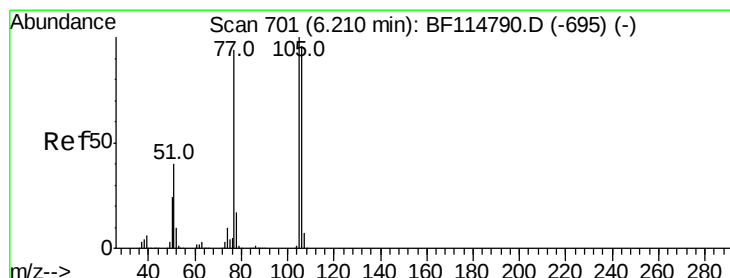
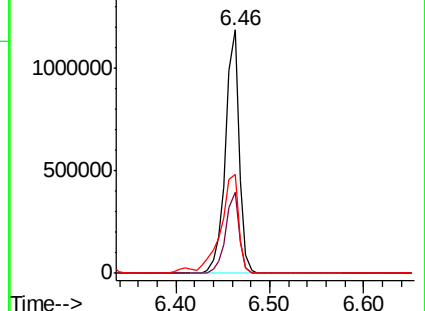
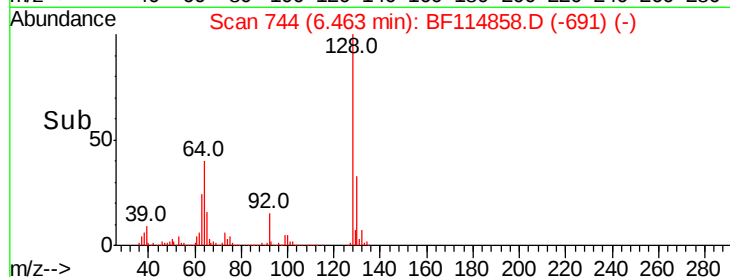
64 40.4 22.5 62.5



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: 17.774 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

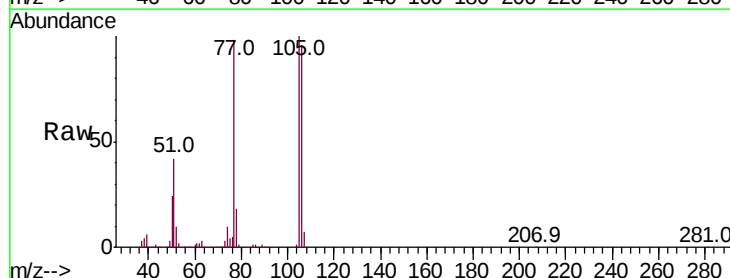
Tgt Ion: 77 Resp: 385412

Ion Ratio Lower Upper

77 100

105 102.4 85.8 125.8

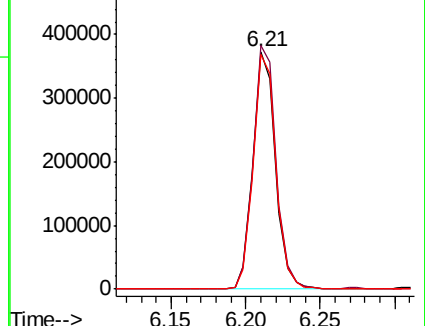
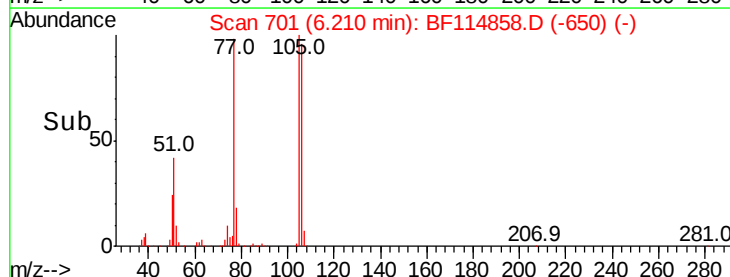
106 98.7 81.6 121.6

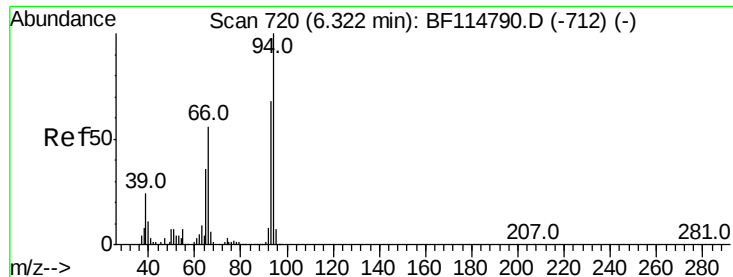


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 33.448 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

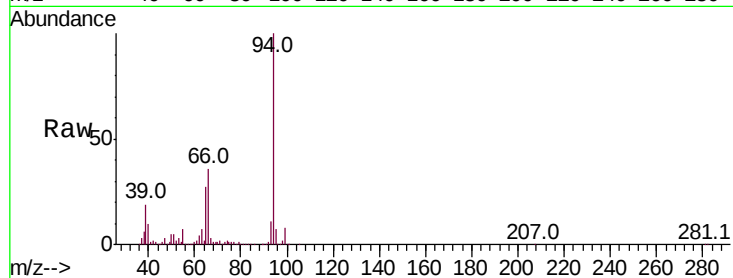
BNA_F

ClientSampleId :

IRONBOUND-TPMSD

Tot Ion: 94 Resp: 1195704

Ion	Ratio	Lower	Upper
94	100		
65	26.9	16.1	56.1
66	36.4	36.3	76.3

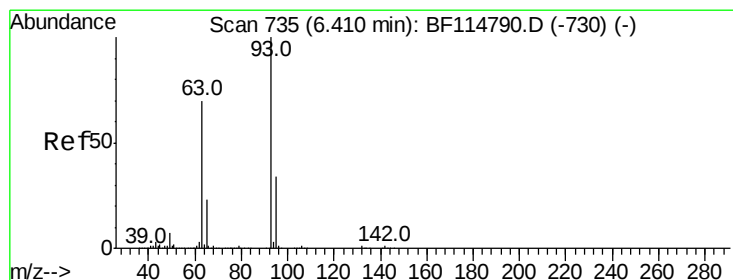
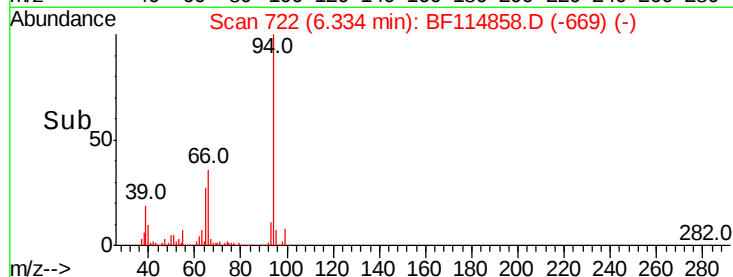
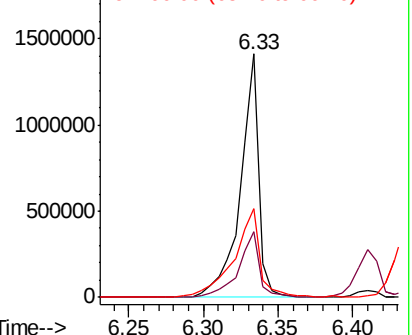


Abundance

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: 41.877 ng

RT: 6.41 min Scan# 735

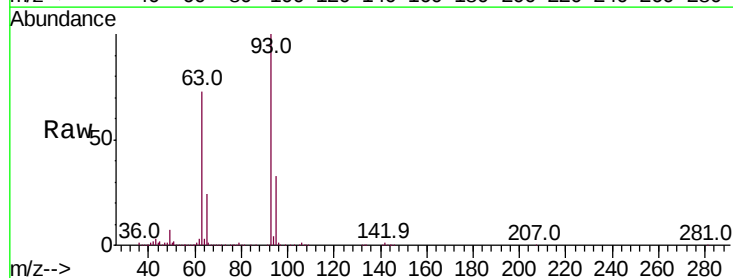
Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion: 93 Resp: 1168344

Ion	Ratio	Lower	Upper
93	100		
63	73.2	49.6	89.6
95	33.3	13.6	53.6

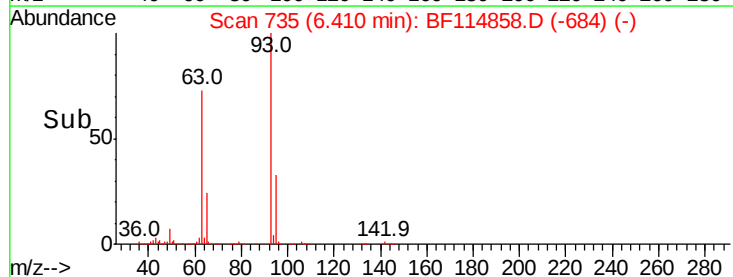
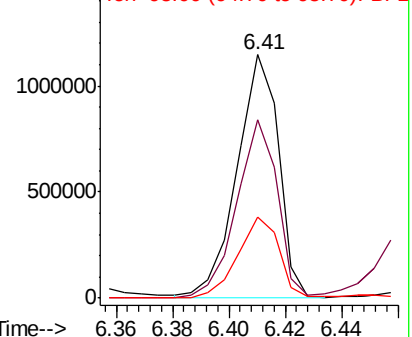


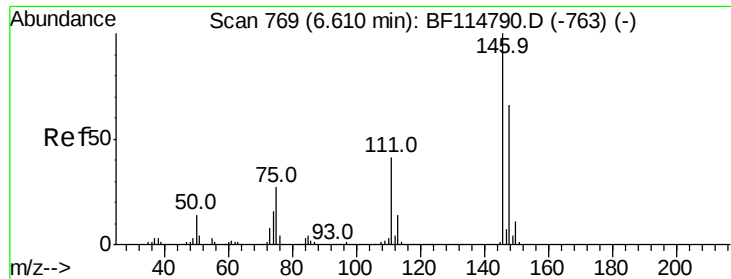
Abundance

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: 38.316 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

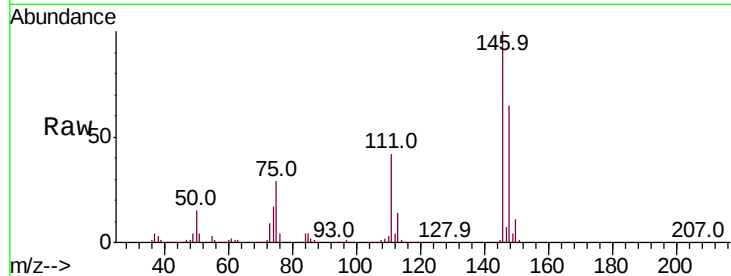
Tot Ion:146 Resp: 1325281

Ion Ratio Lower Upper

146 100

148 65.1 52.7 79.1

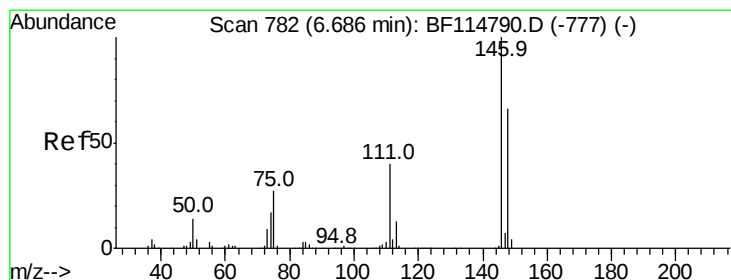
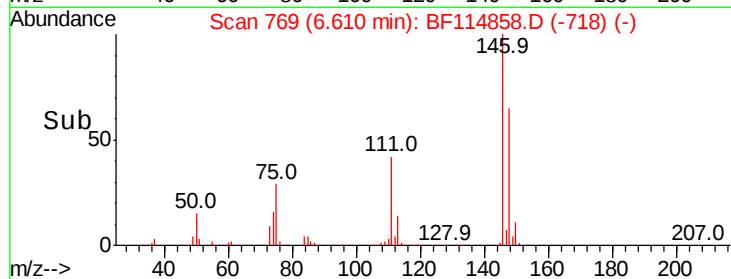
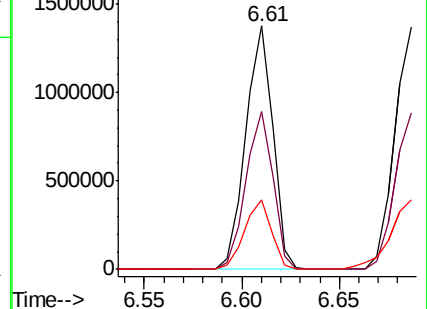
75 28.7 22.0 33.0



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: 38.788 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

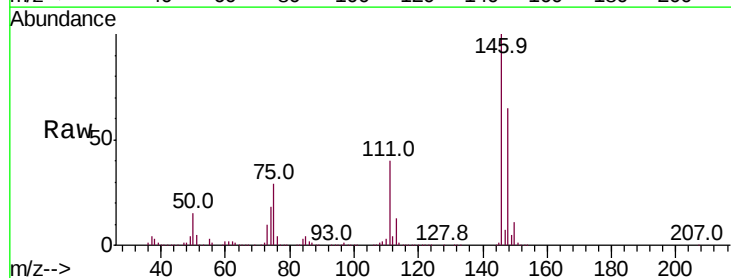
Tgt Ion:146 Resp: 1349961

Ion Ratio Lower Upper

146 100

148 64.6 53.0 79.4

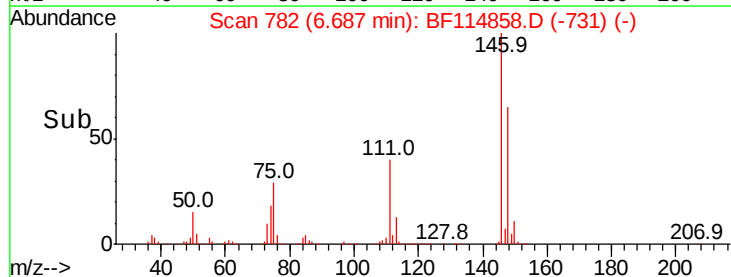
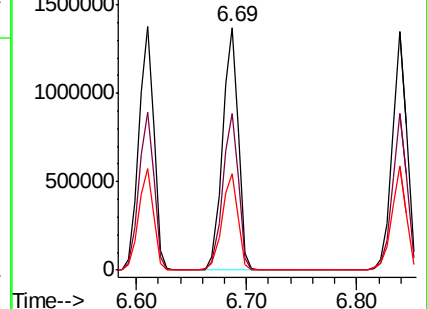
111 40.0 32.2 48.4

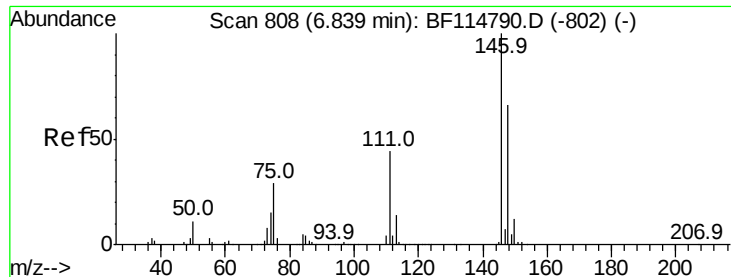


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 38.695 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

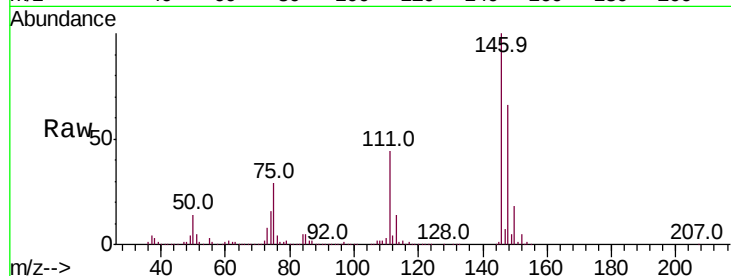
Tot Ion:146 Resp: 1216251

Ion Ratio Lower Upper

146 100

148 65.6 52.5 78.7

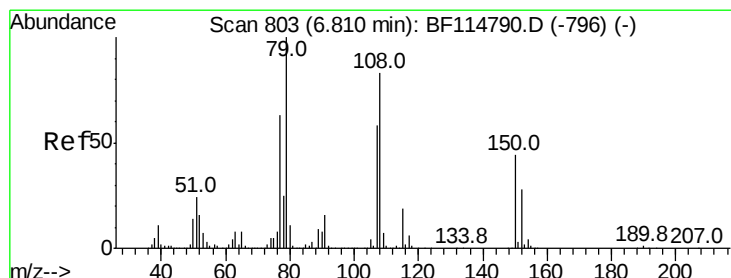
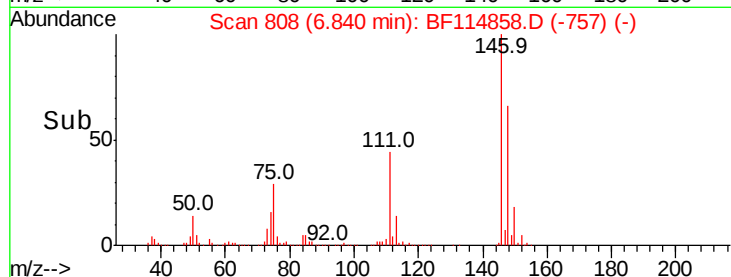
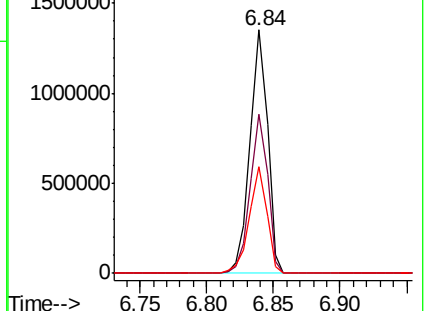
111 43.8 34.8 52.2



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: 40.364 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

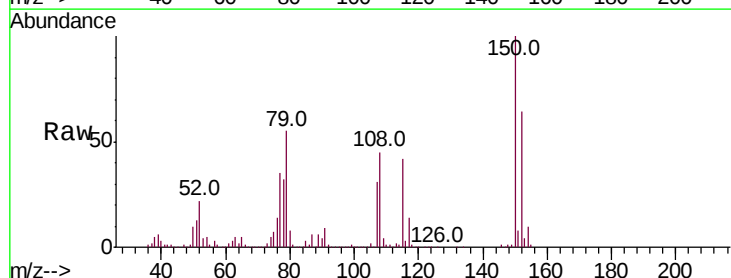
Tgt Ion: 79 Resp: 954188

Ion Ratio Lower Upper

79 100

108 81.3 66.8 100.2

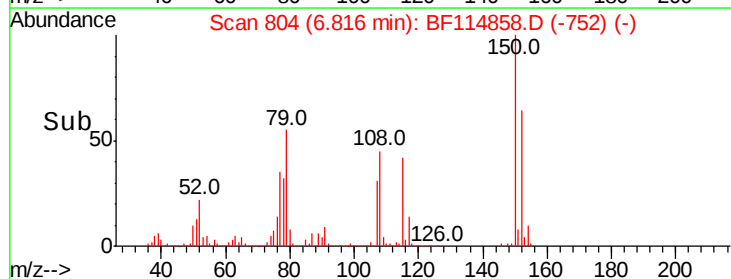
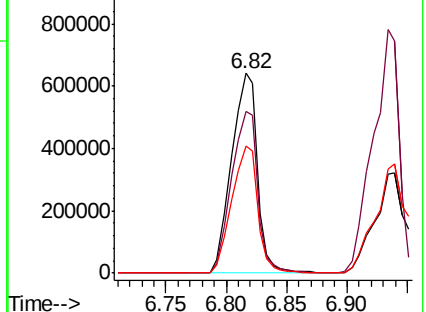
77 63.9 50.6 76.0

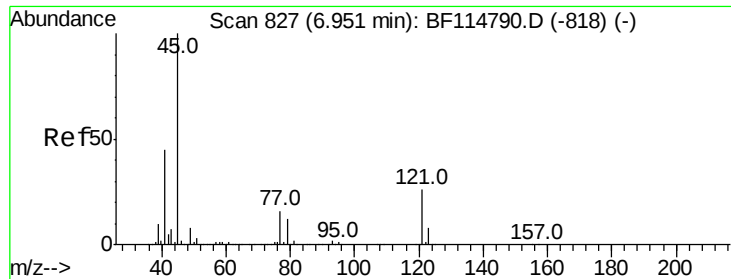


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

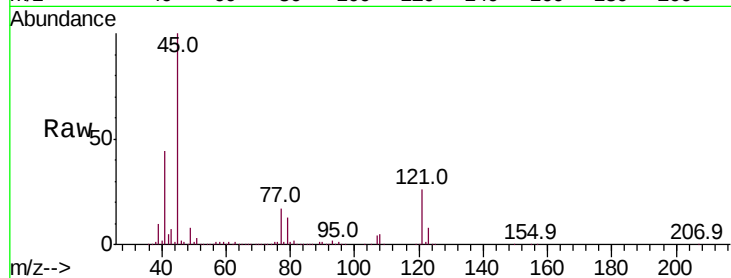




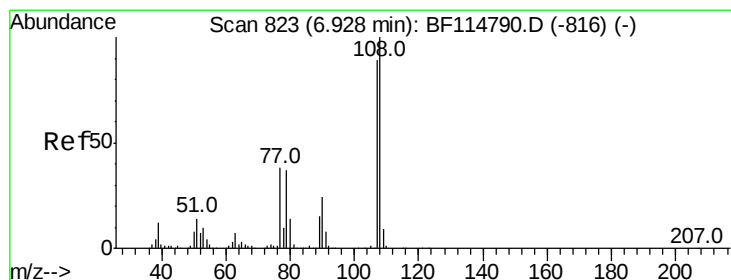
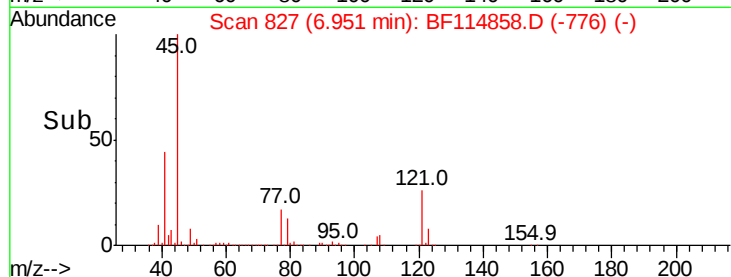
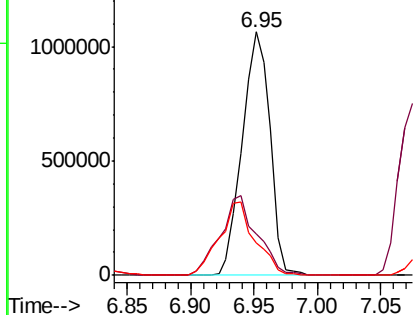
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 40.490 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion: 45 Resp: 1615590
Ion Ratio Lower Upper
45 100
77 17.2 0.0 35.8
79 13.4 0.0 32.0

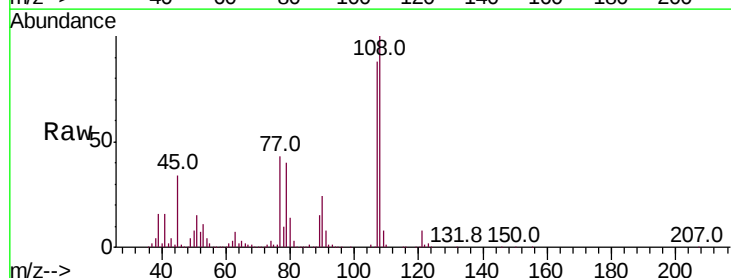


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

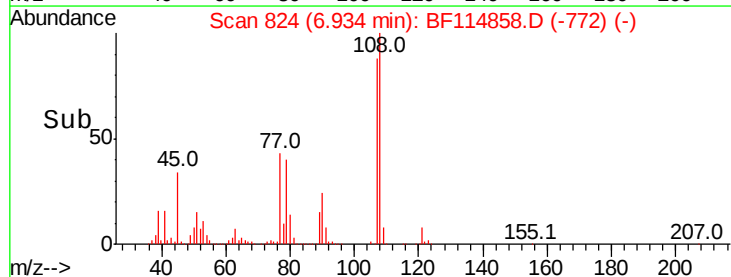
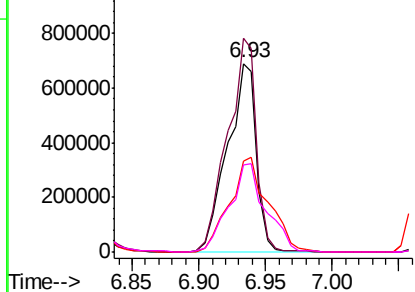


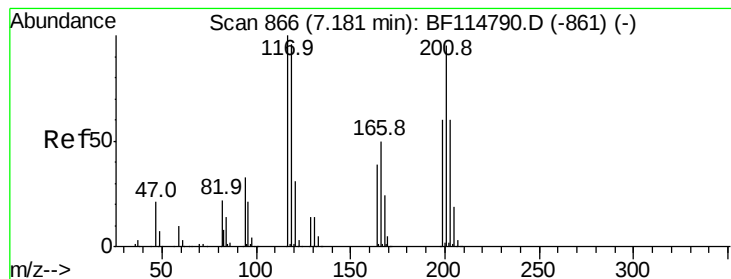
#17
2-Methylphenol
Concen: 41.185 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion: 107 Resp: 1044971
Ion Ratio Lower Upper
107 100
108 113.4 90.2 135.2
77 48.5 34.5 51.7
79 45.9 33.8 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





#18

Hexachloroethane

Concen: 38.120 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

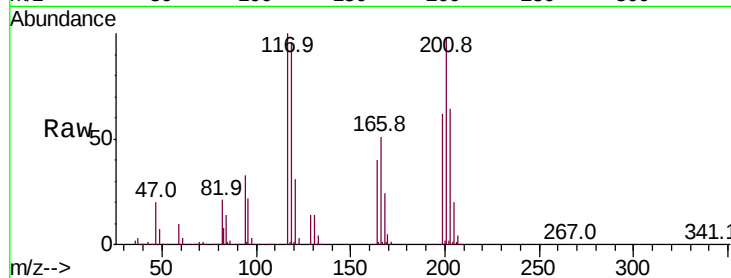
Tot Ion:117 Resp: 499357

Ion Ratio Lower Upper

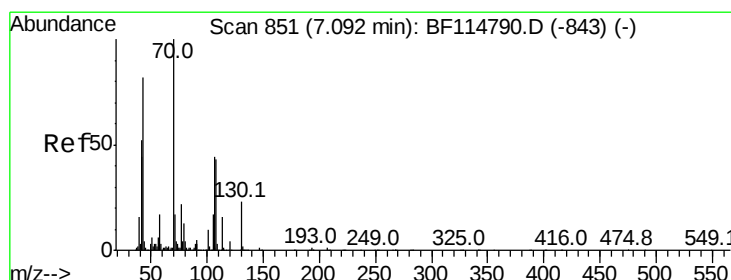
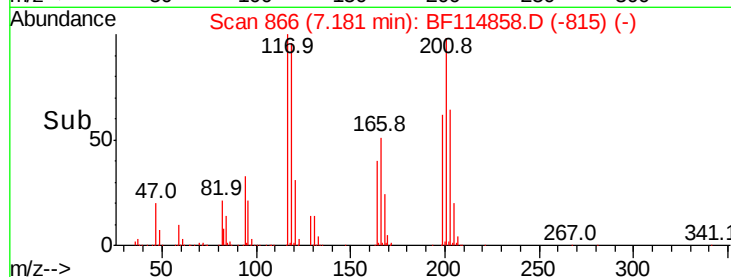
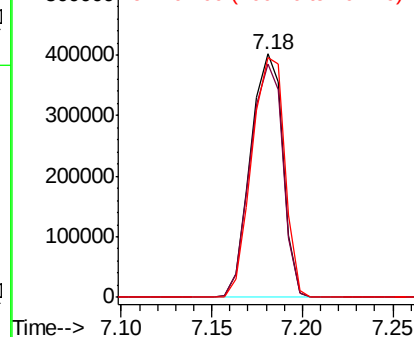
117 100

119 95.8 77.0 115.4

201 98.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 41.330 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion: 70 Resp: 855238

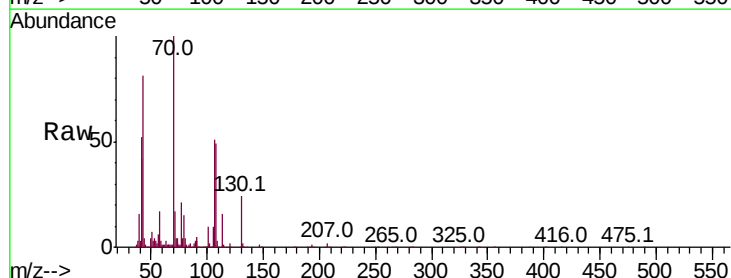
Ion Ratio Lower Upper

70 100

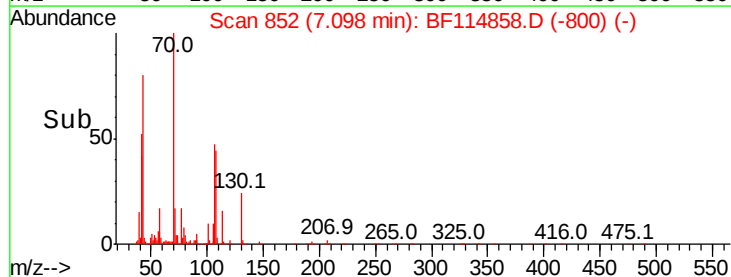
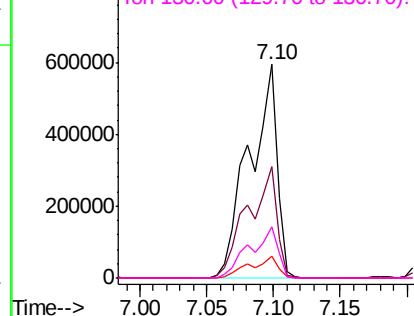
42 51.9 41.8 62.8

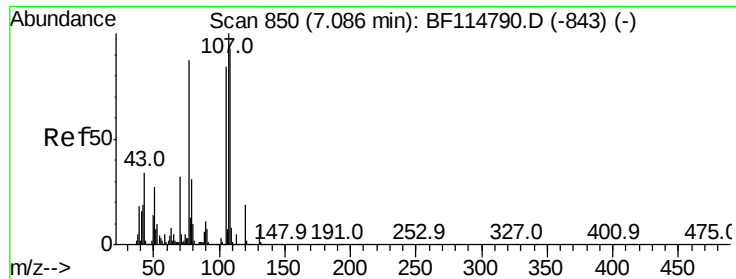
101 10.1 8.2 12.4

130 23.9 18.5 27.7



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 42.594 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

Tot Ion:107 Resp: 1192000

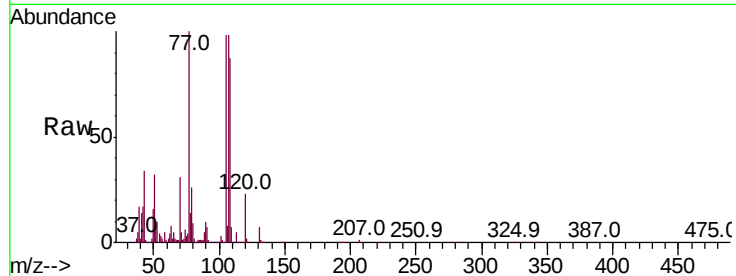
Ion Ratio Lower Upper

107 100

108 88.3 73.5 113.5

77 102.1 67.2 107.2

79 26.6 10.6 50.6

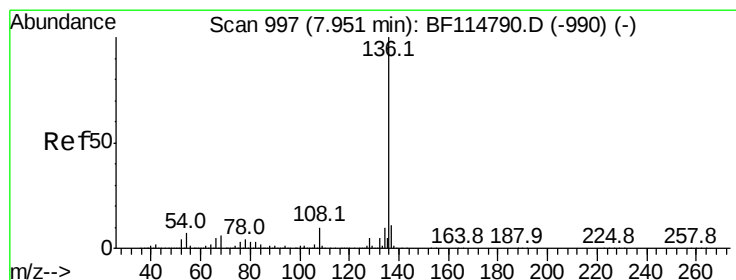
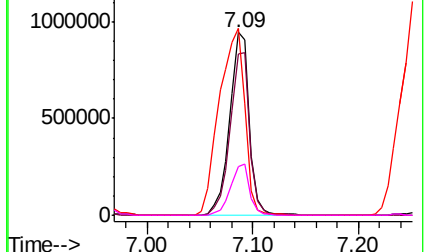
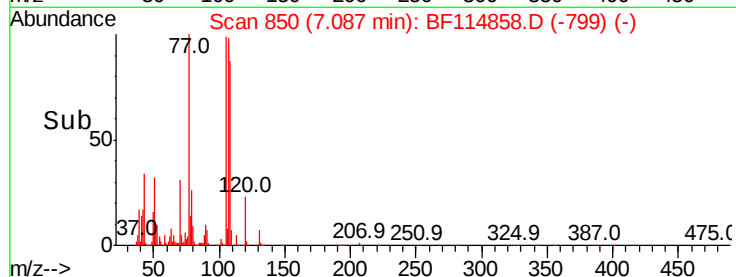


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion:136 Resp: 1797185

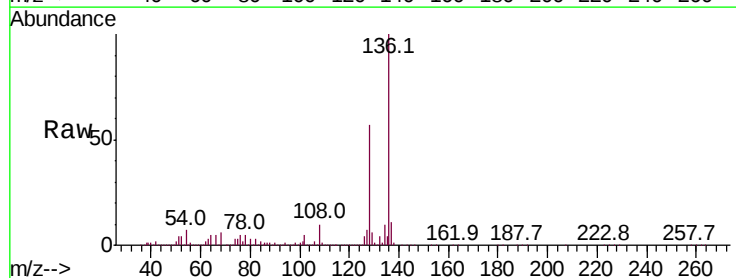
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.9 5.4 8.0

68 5.9 4.6 6.8

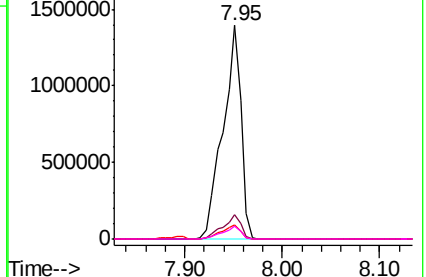
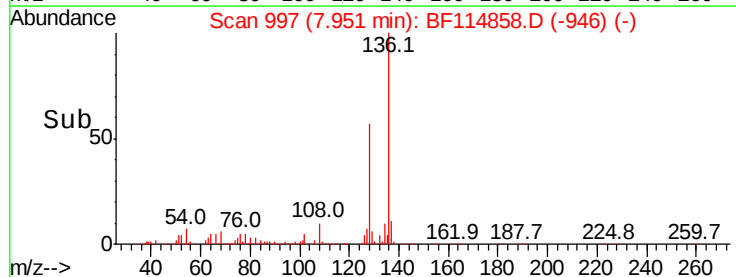


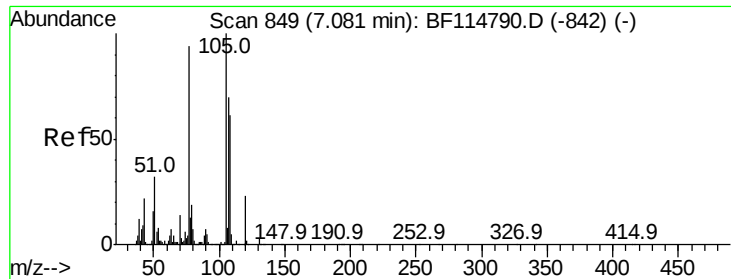
Abundance Ion 136.00 (135.70 to 136.70): E

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

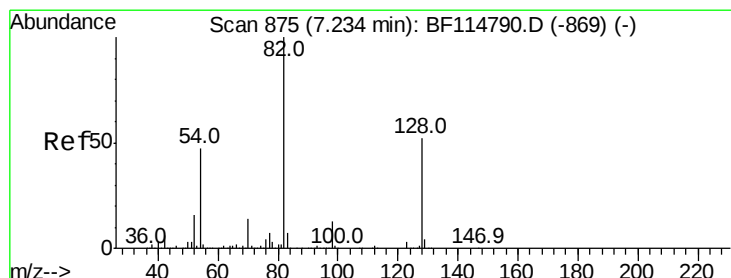
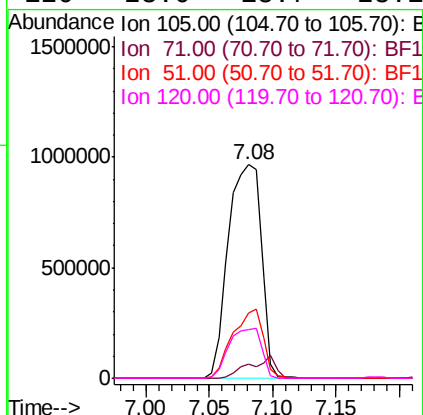
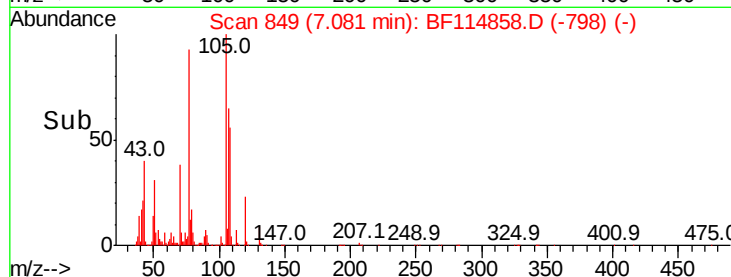
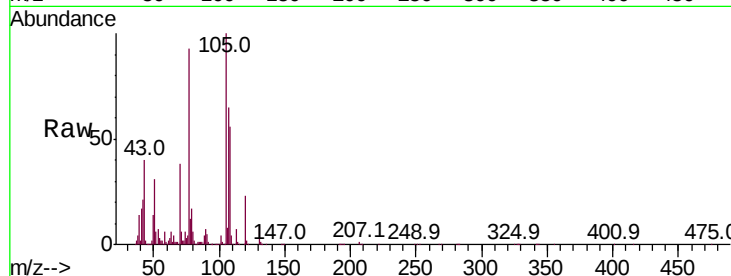




#22
Acetophenone
Concen: 44.121 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

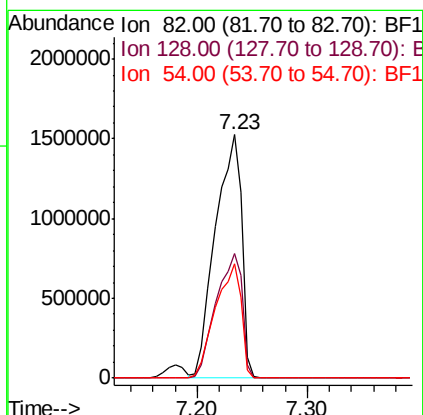
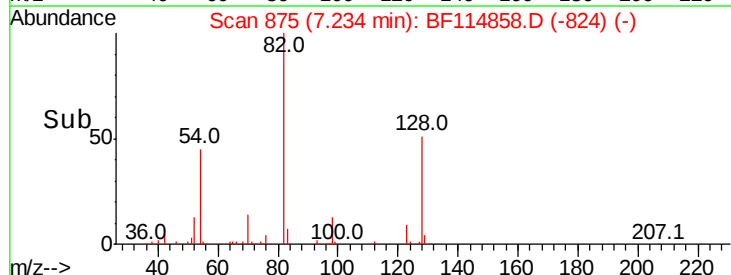
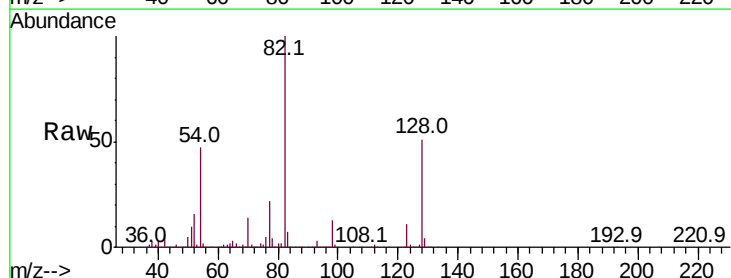
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

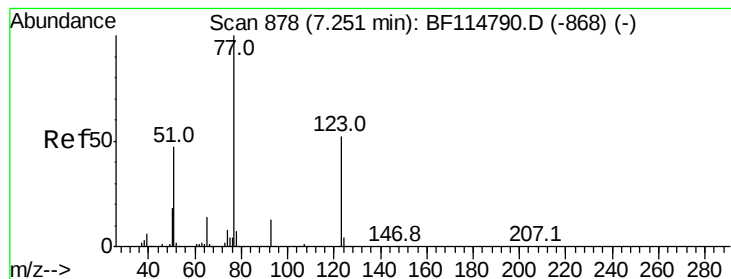
Tot Ion:105 Resp: 1745768
Ion Ratio Lower Upper
105 100
71 6.4 2.0 3.0#
51 30.7 25.4 38.0
120 23.0 18.7 28.1



#23
Nitrobenzene-d5
Concen: 85.650 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion: 82 Resp: 2500546
Ion Ratio Lower Upper
82 100
128 51.2 41.8 62.6
54 46.8 37.9 56.9





#24

Nitrobenzene

Concen: 42.897 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

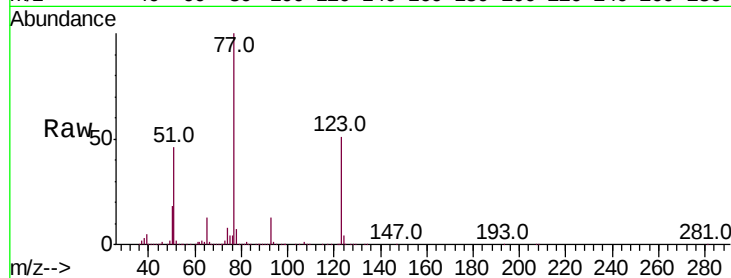
Tot Ion: 77 Resp: 1297410

Ion	Ratio	Lower	Upper
77	100		
123	51.1	41.5	62.3
65	13.2	10.8	16.2

77 100

123 51.1 41.5 62.3

65 13.2 10.8 16.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

1500000

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

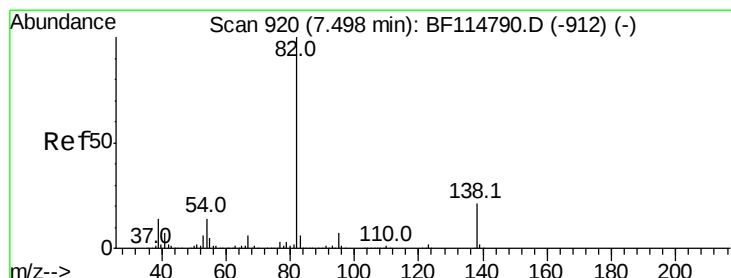
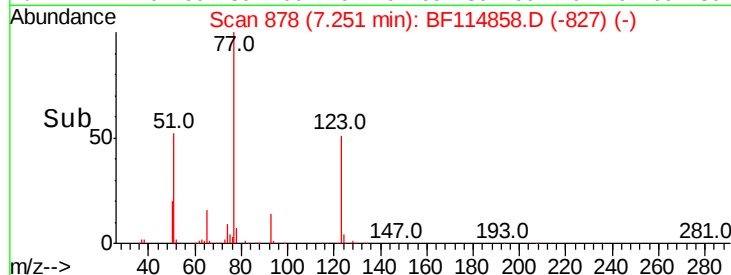
7.25

1000000

500000

0

Time-->



#25

Isophorone

Concen: 43.283 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

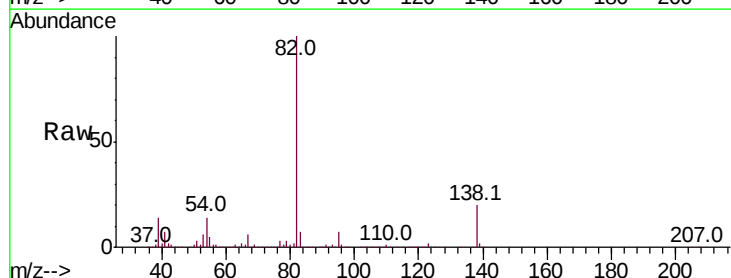
Tgt Ion: 82 Resp: 2498123

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	20.4	16.9	25.3

82 100

95 7.0 5.8 8.8

138 20.4 16.9 25.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

2000000

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

7.50

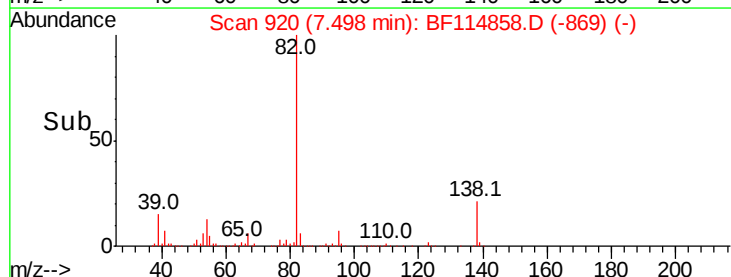
1500000

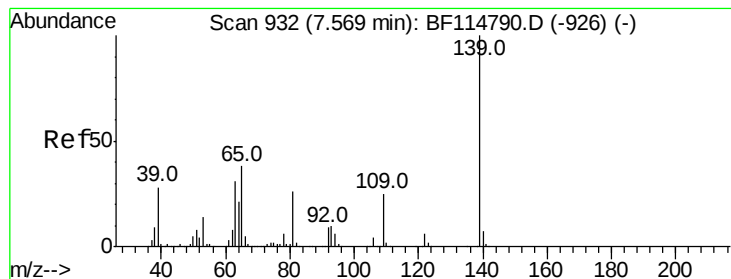
1000000

500000

0

Time-->





#26

2-Nitrophenol

Concen: 44.607 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

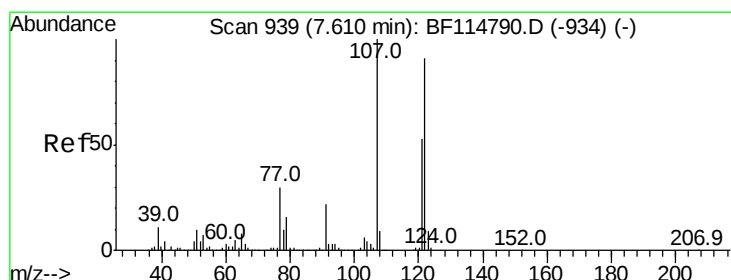
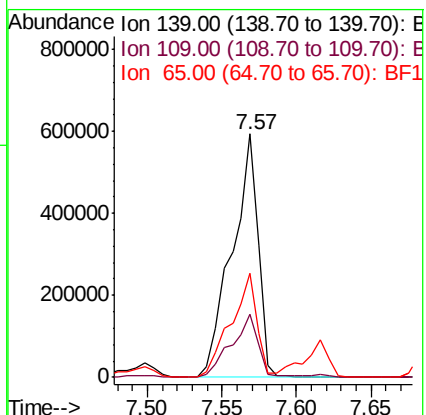
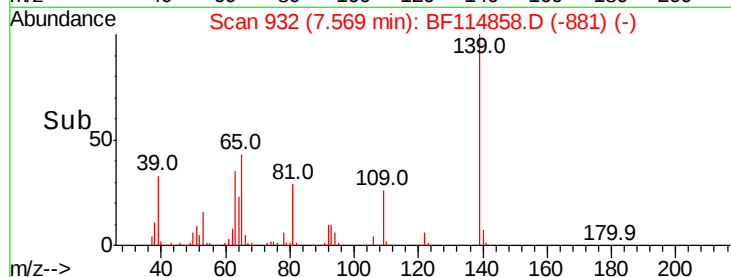
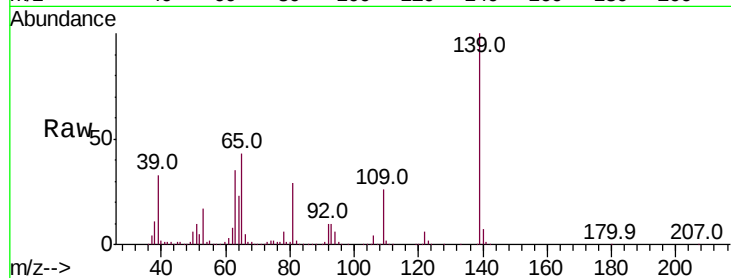
Tot Ion:139 Resp: 730705

Ion Ratio Lower Upper

139 100

109 26.0 20.4 30.6

65 42.7 30.5 45.7



#27

2,4-Dimethylphenol

Concen: 47.287 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

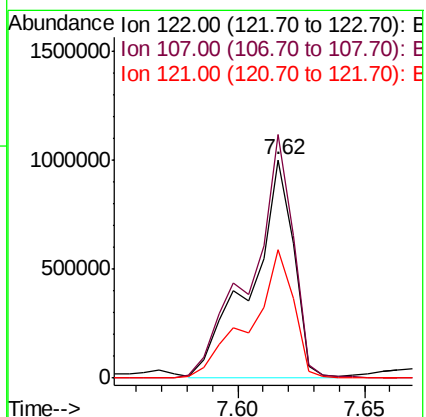
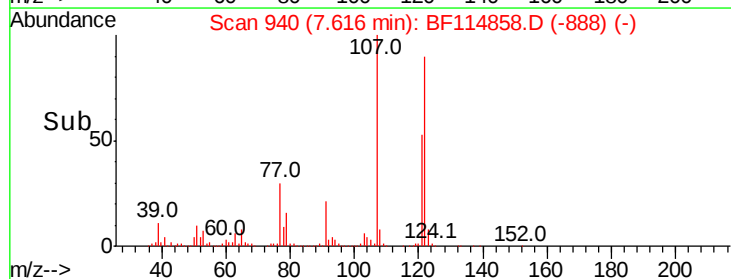
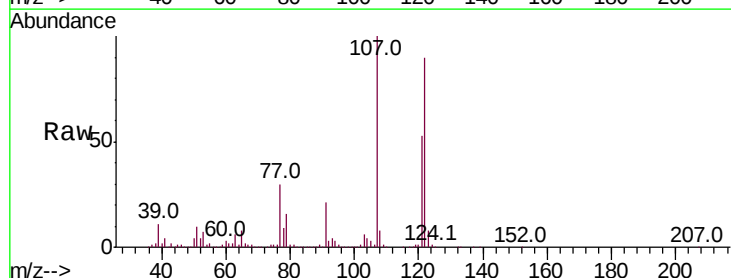
Tgt Ion:122 Resp: 1177340

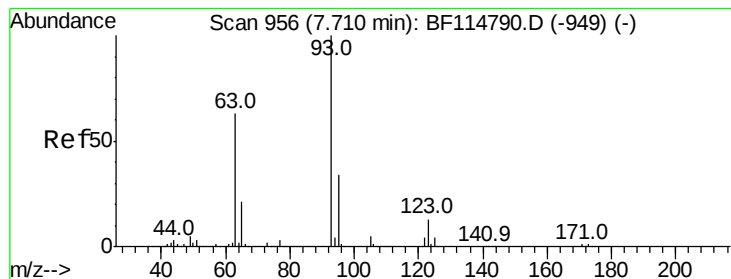
Ion Ratio Lower Upper

122 100

107 111.6 87.9 131.9

121 58.9 46.4 69.6





#28

bis(2-Chloroethoxy)methane

Concen: 43.288 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

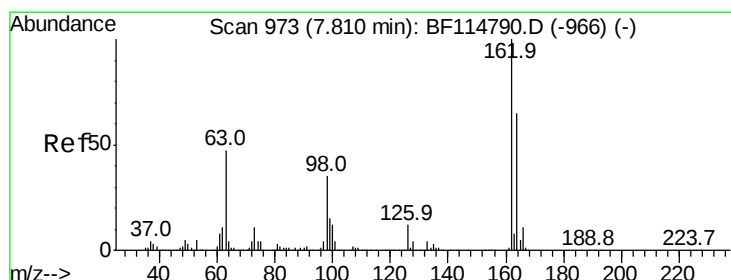
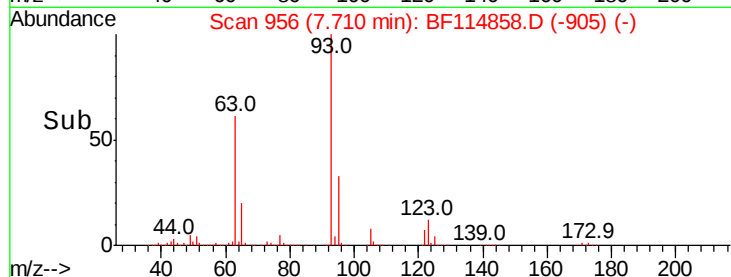
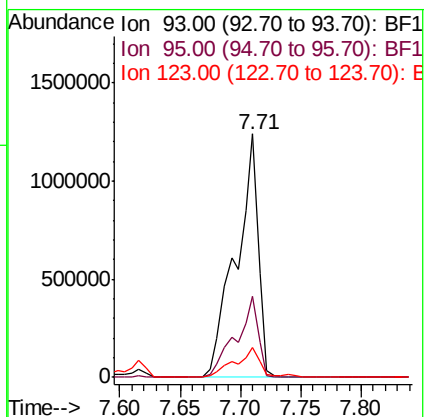
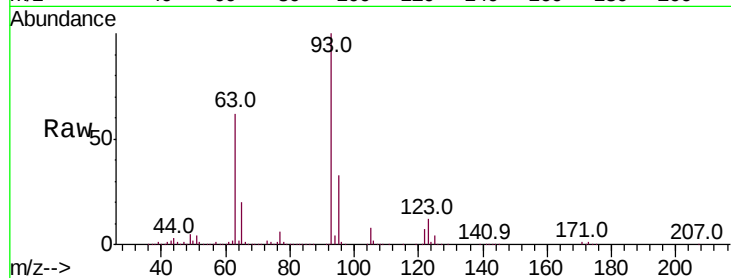
Tot Ion: 93 Resp: 1597070

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.9	40.3
123	12.5	10.4	15.6

93 100

95 33.3 26.9 40.3

123 12.5 10.4 15.6



#29

2,4-Dichlorophenol

Concen: 44.436 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

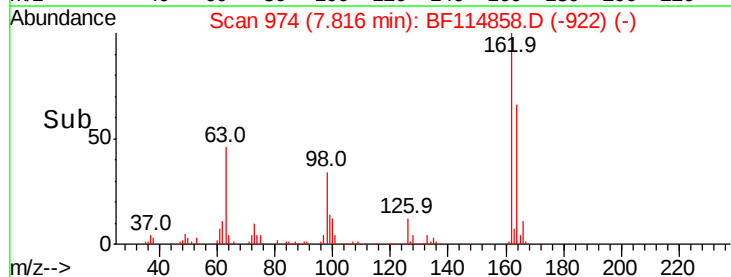
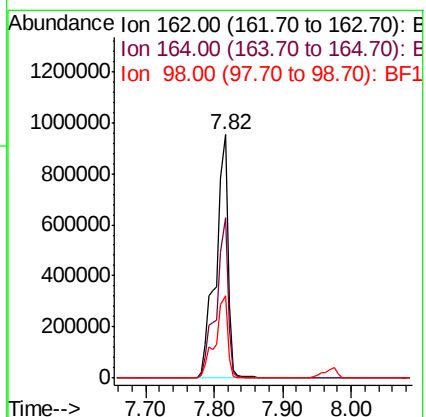
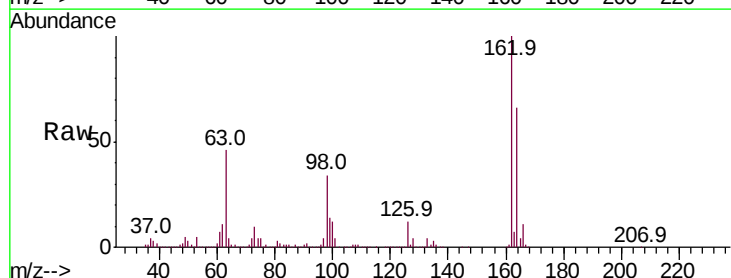
Tgt Ion: 162 Resp: 1163988

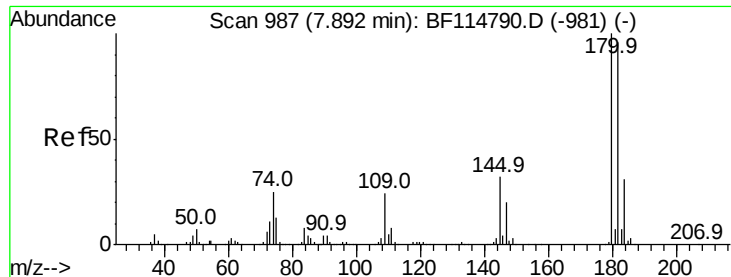
Ion	Ratio	Lower	Upper
162	100		
164	66.1	45.1	85.1
98	34.1	14.6	54.6

162 100

164 66.1 45.1 85.1

98 34.1 14.6 54.6





#30

1,2,4-Trichlorobenzene

Concen: 41.876 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

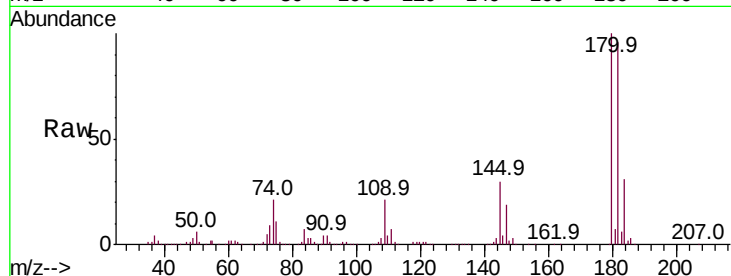
Tot Ion:180 Resp: 1258623

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

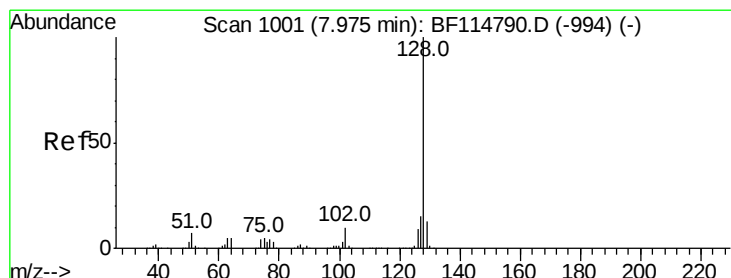
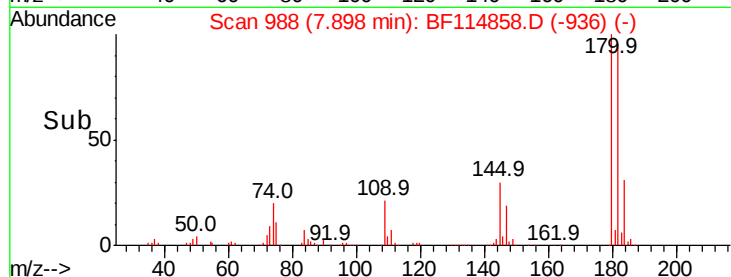
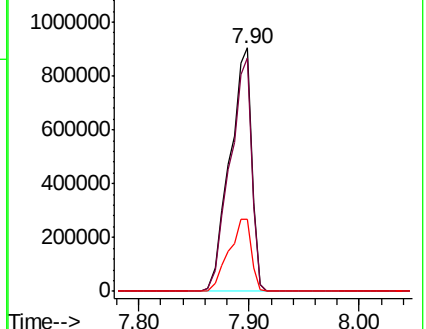
145 29.6 25.8 38.8



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: 45.877 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

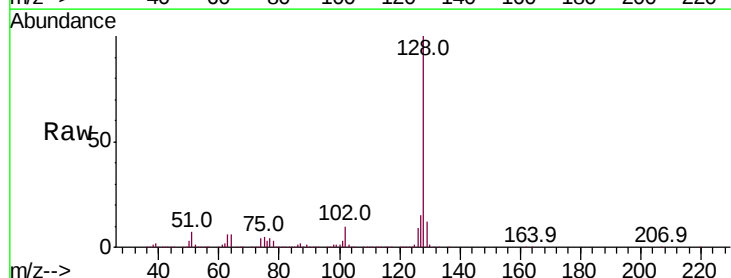
Tgt Ion:128 Resp: 3711867

Ion Ratio Lower Upper

128 100

129 12.4 10.0 15.0

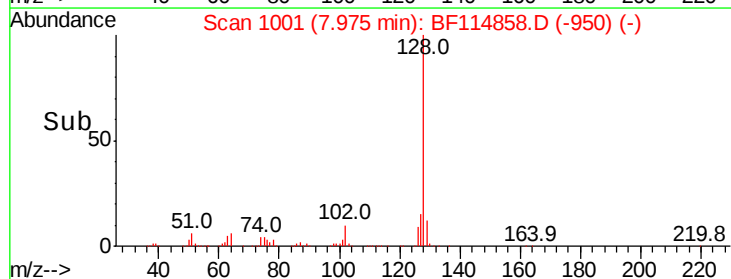
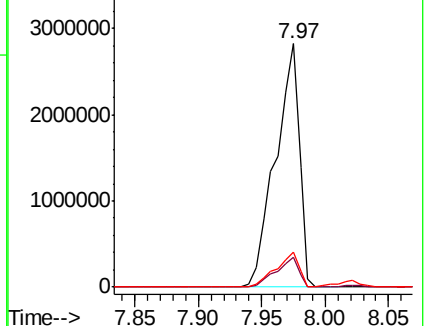
127 14.5 12.2 18.2

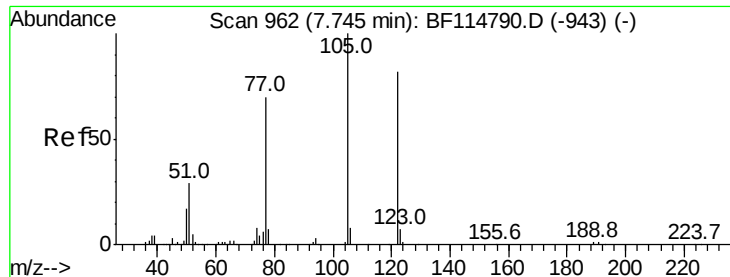


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 27.264 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

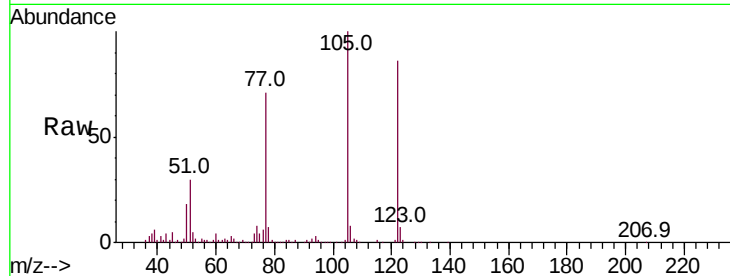
Tot Ion:122 Resp: 494398

Ion Ratio Lower Upper

122 100

105 116.1 98.7 138.7

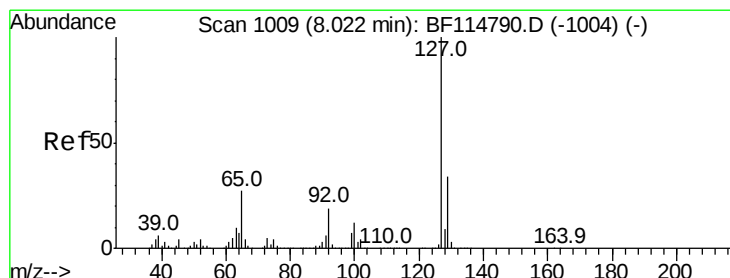
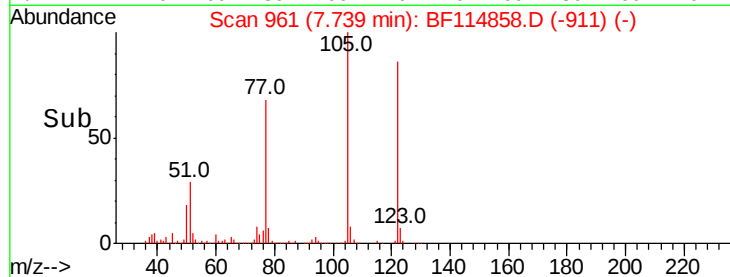
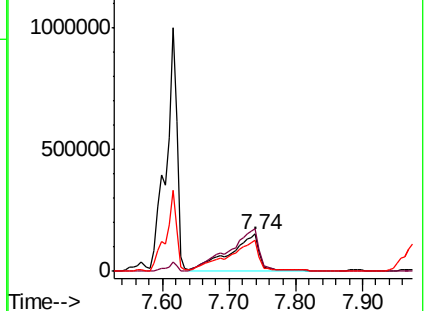
77 83.0 64.8 104.8



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: 3.073 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion:127 Resp: 118610

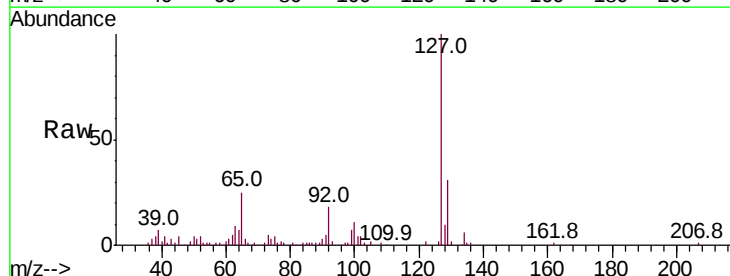
Ion Ratio Lower Upper

127 100

129 30.8 26.9 40.3

65 24.5 21.7 32.5

92 18.4 14.8 22.2

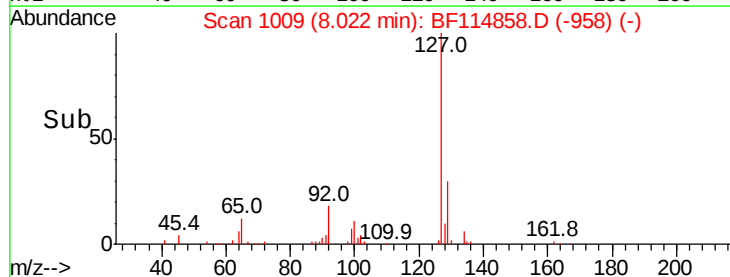
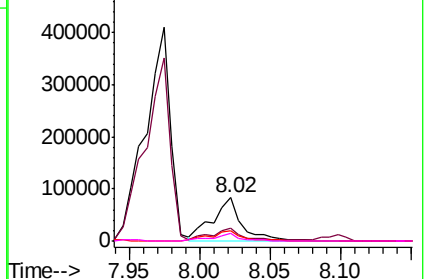


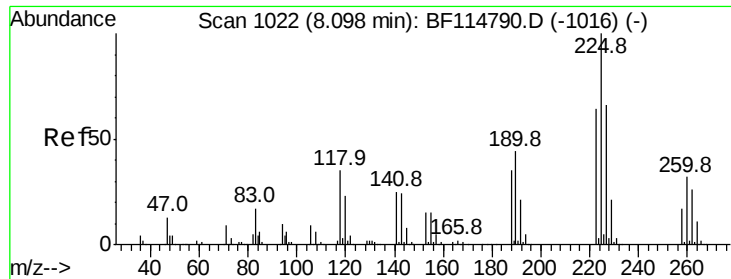
Abundance Ion 127.00 (126.70 to 127.70): E

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

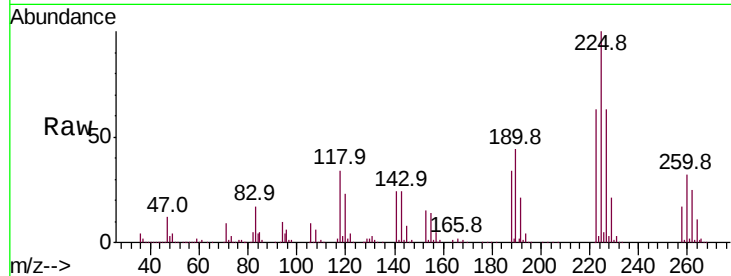




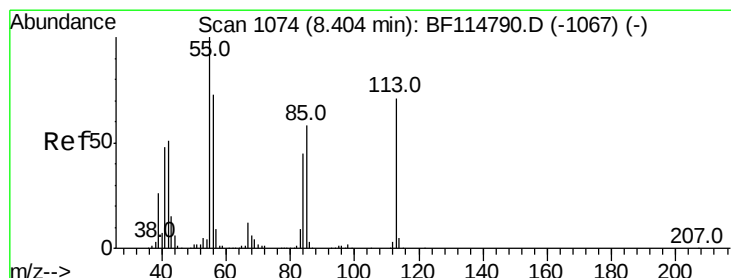
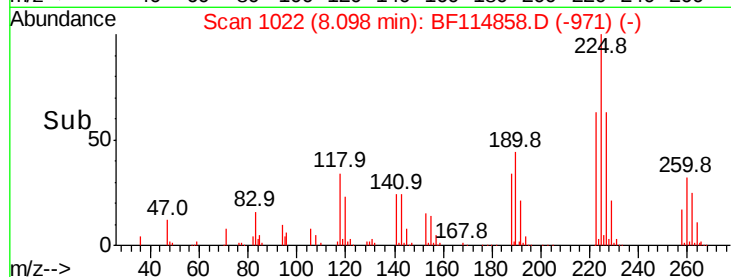
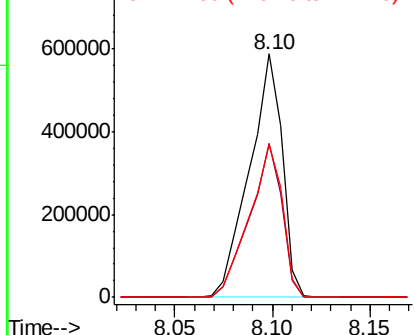
#34
Hexachlorobutadiene
Concen: 40.126 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.0	76.6
227	63.0	52.6	78.8

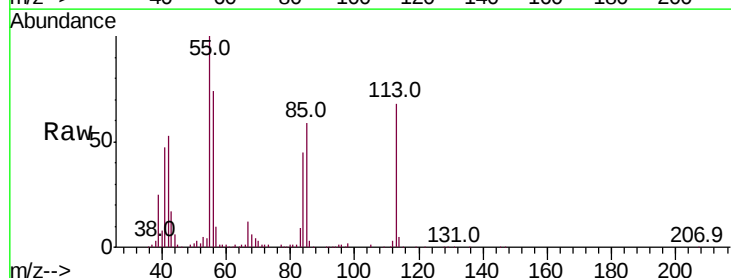


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

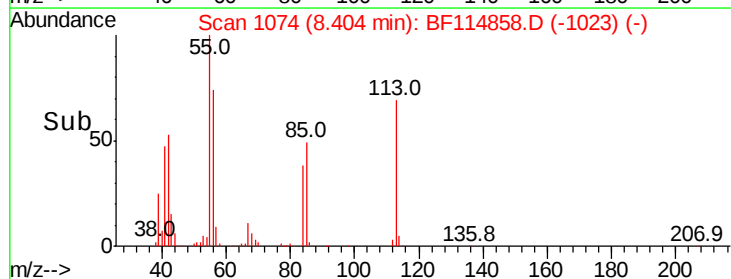
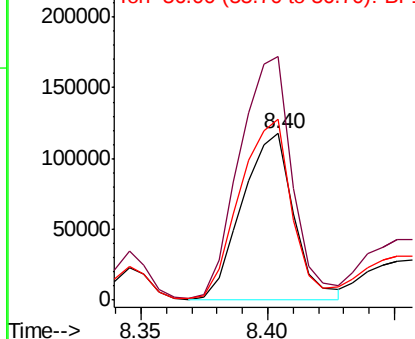


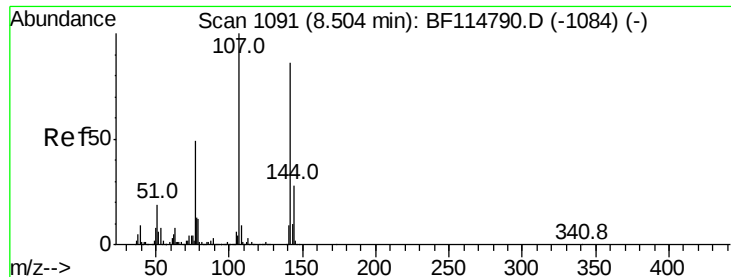
#35
Caprolactam
Concen: 19.446 ng
RT: 8.40 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
113	100		
55	146.3	121.1	161.1
56	108.6	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

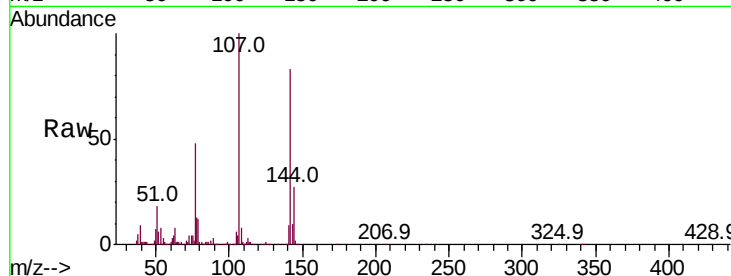




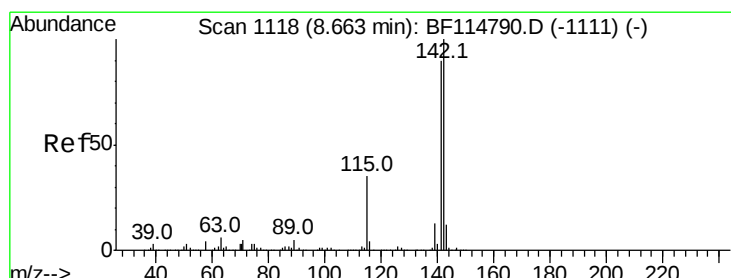
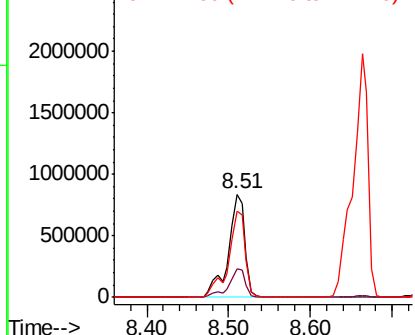
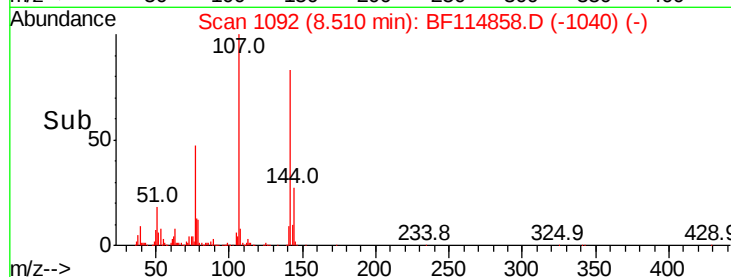
#36
4-Chloro-3-methylphenol
Concen: 45.248 ng
RT: 8.51 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion:107 Resp: 1179400
Ion Ratio Lower Upper
107 100
144 27.3 22.1 33.1
142 82.9 68.4 102.6

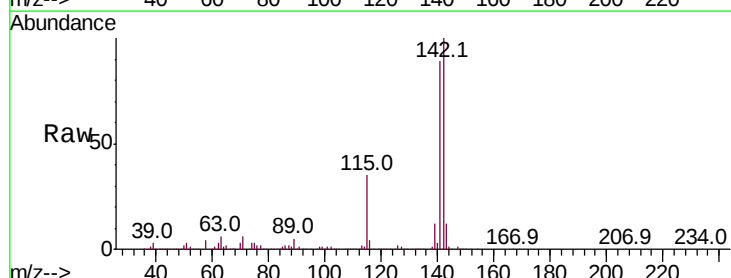


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

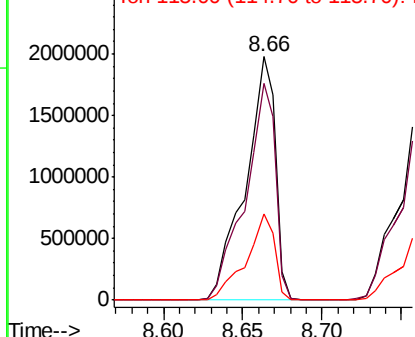
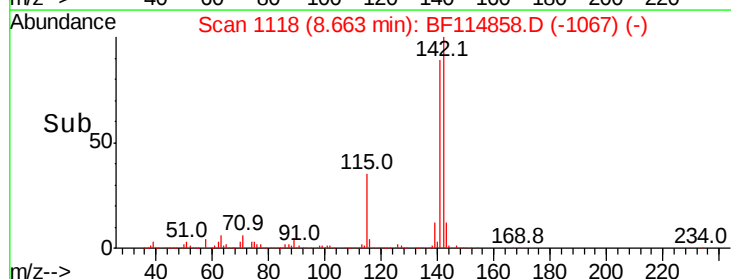


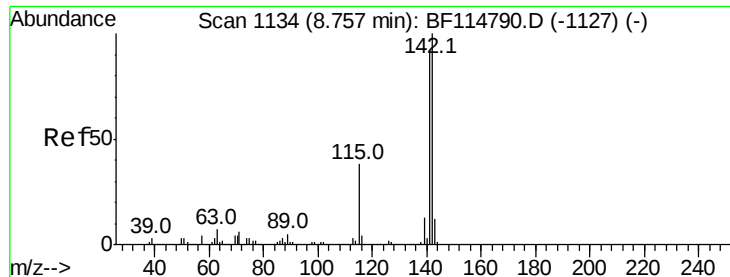
#37
2-Methylnaphthalene
Concen: 46.442 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:142 Resp: 2606342
Ion Ratio Lower Upper
142 100
141 89.2 71.6 107.4
115 35.4 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

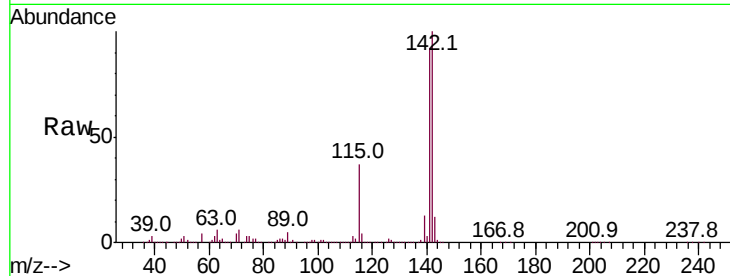




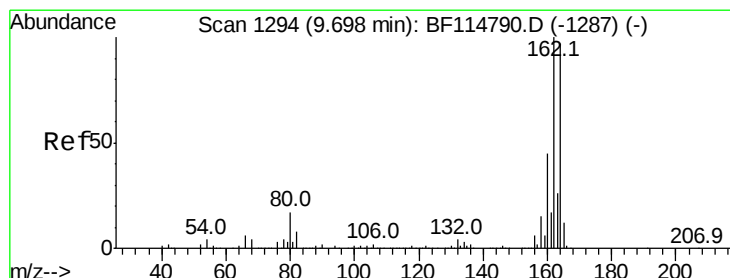
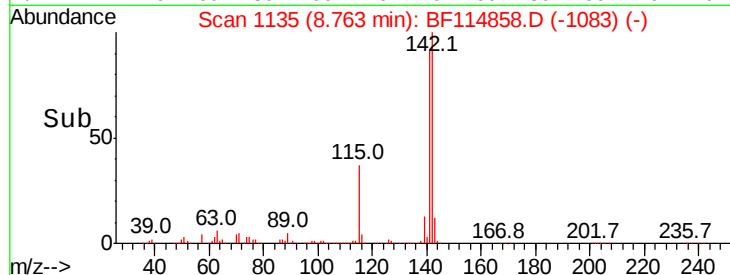
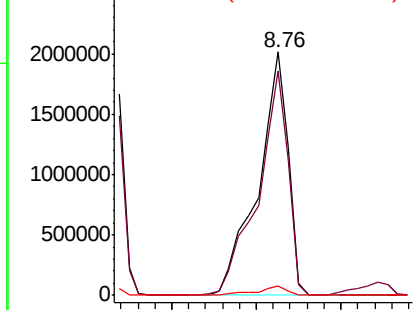
#38
1-Methylnaphthalene
Concen: 46.378 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion:142 Resp: 2468298
Ion Ratio Lower Upper
142 100
141 92.4 73.8 110.6
116 3.9 3.3 4.9

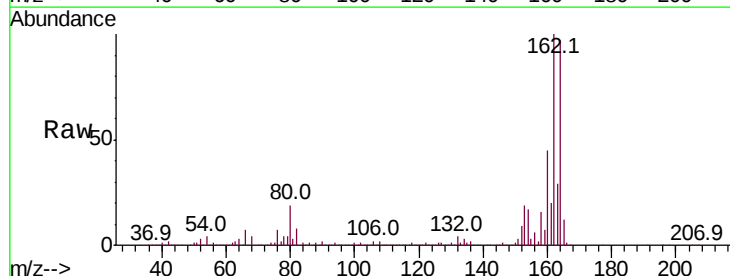


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

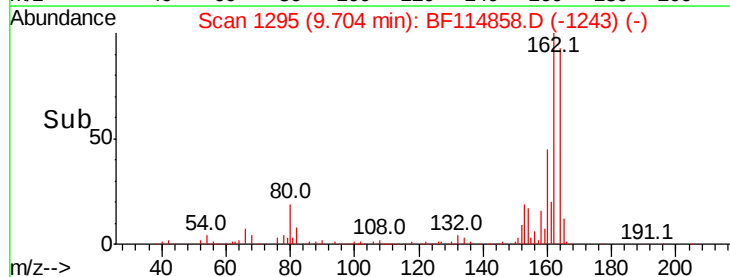
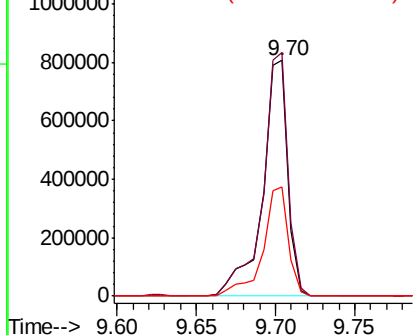


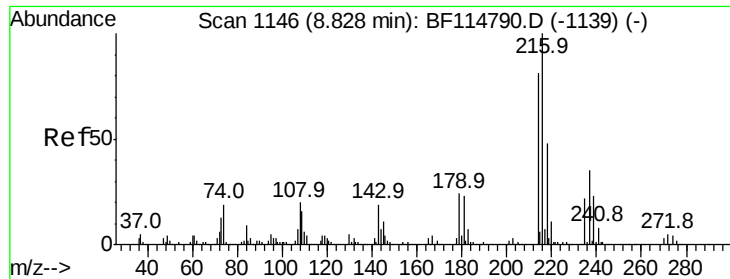
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:164 Resp: 906988
Ion Ratio Lower Upper
164 100
162 103.4 82.3 123.5
160 46.5 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.770 ng

RT: 8.83 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

Tot Ion:216 Resp: 1091775

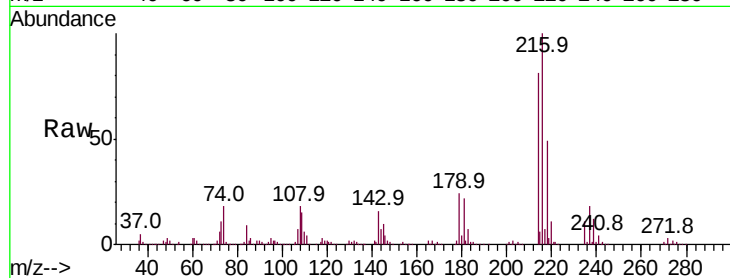
Ion Ratio Lower Upper

216 100

214 79.4 63.4 95.2

179 23.1 18.3 27.5

108 20.8 15.5 23.3

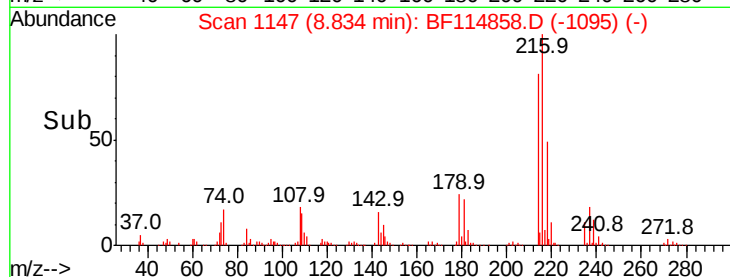


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

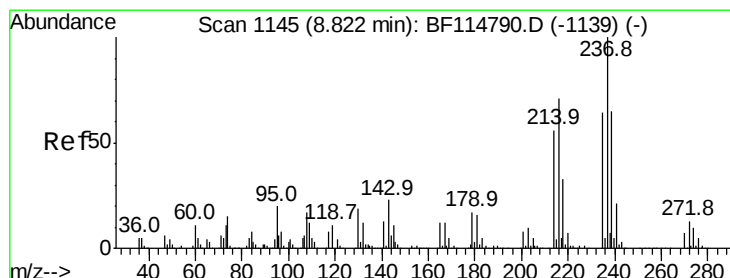
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->

8.83



#41

Hexachlorocyclopentadiene

Concen: 70.179 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

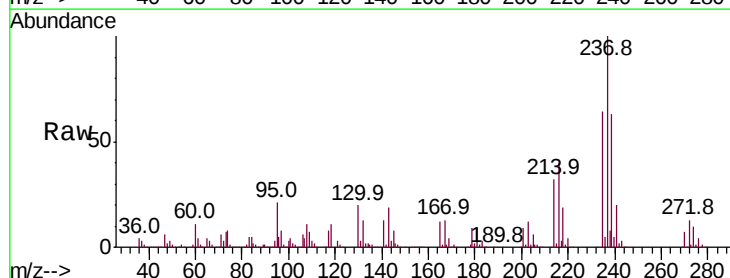
Tgt Ion:237 Resp: 1112509

Ion Ratio Lower Upper

237 100

235 64.1 44.0 84.0

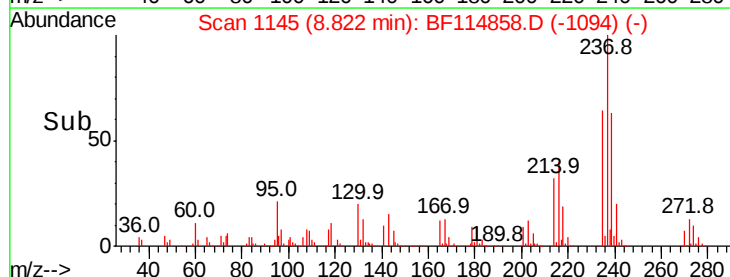
272 12.6 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E

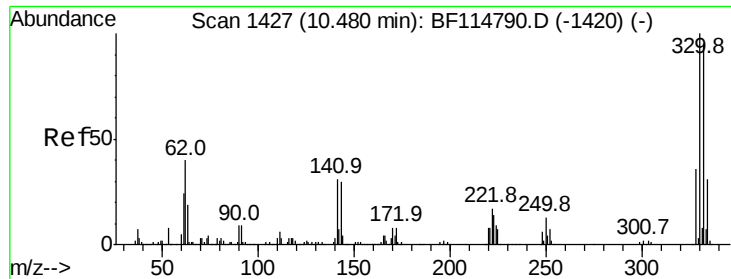
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

8.82



#42

2,4,6-Tribromophenol

Concen: 112.034 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

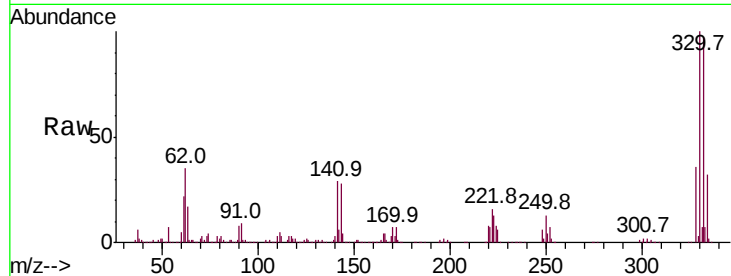
Tot Ion:330 Resp: 1095042

Ion Ratio Lower Upper

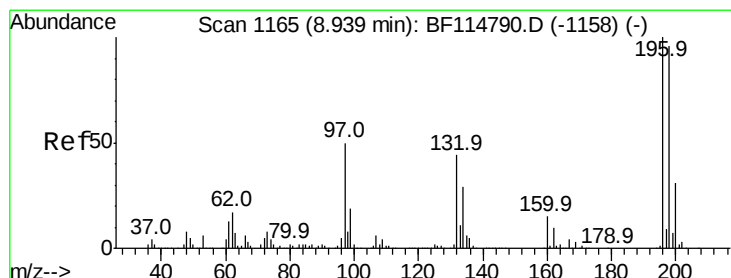
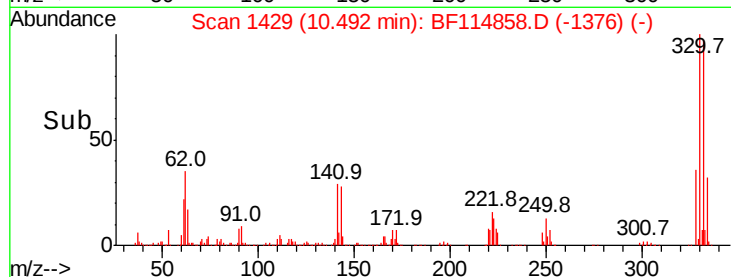
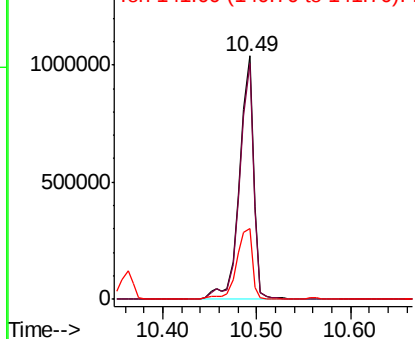
330 100

332 96.4 77.3 115.9

141 32.4 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: 46.449 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

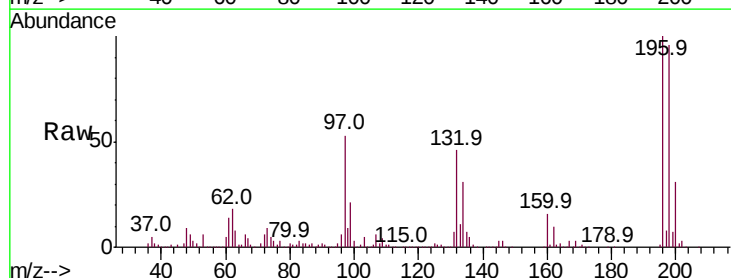
Tgt Ion:196 Resp: 944052

Ion Ratio Lower Upper

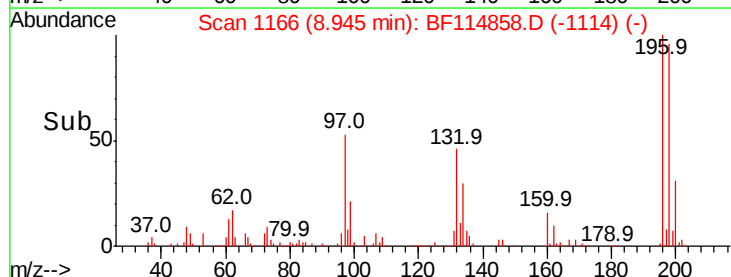
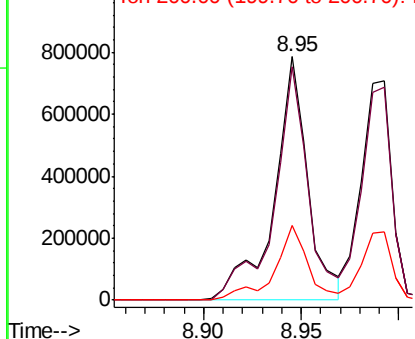
196 100

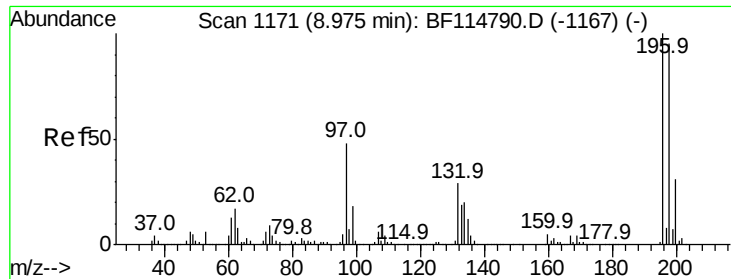
198 95.7 77.1 115.7

200 30.8 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

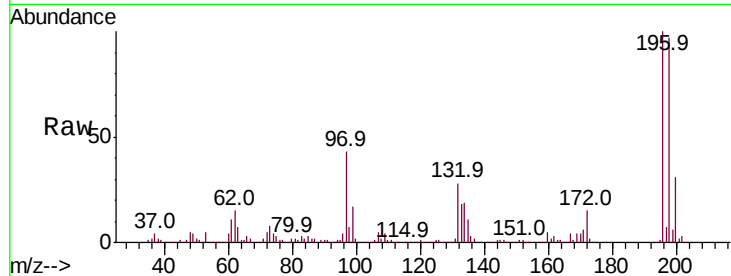




#44
 2,4,5-Trichlorophenol
 Concen: 37.517 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.2	114.4
97	43.2	38.2	57.4
132	27.7	23.7	35.5



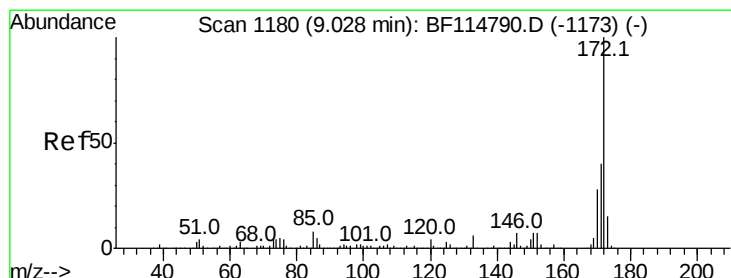
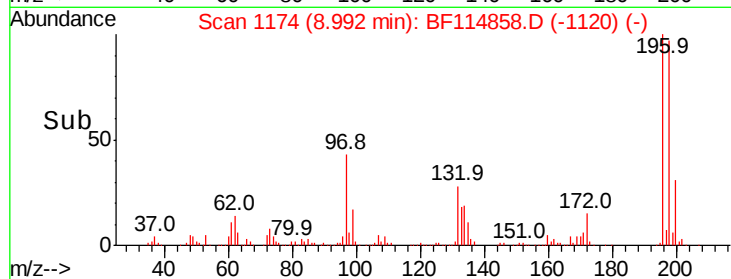
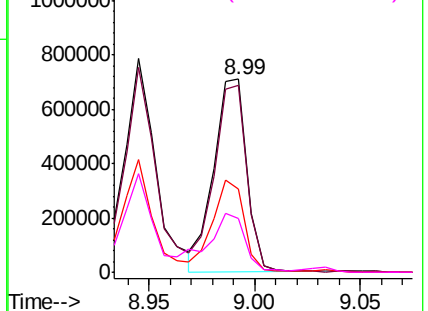
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

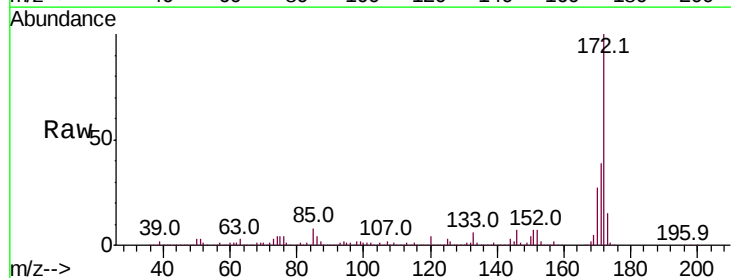
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.961 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	32.3	48.5
170	27.0	22.4	33.6

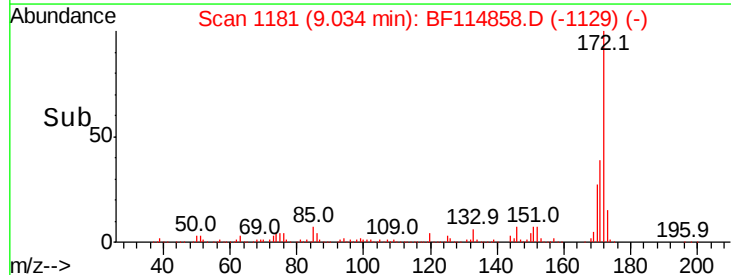
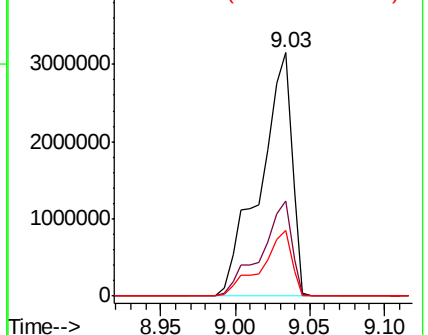


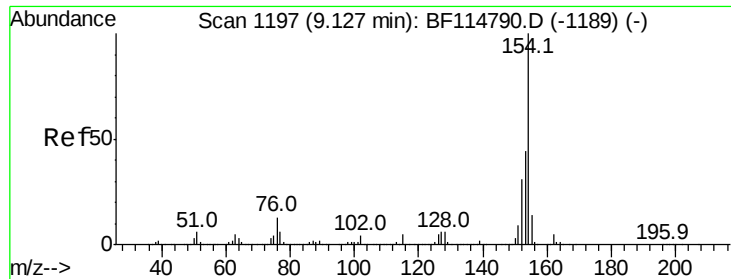
Abundance

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: 44.371 ng

RT: 9.13 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

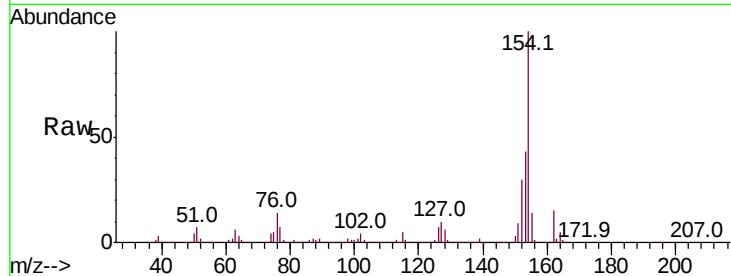
Tot Ion:154 Resp: 2982710

Ion Ratio Lower Upper

154 100

153 42.8 23.9 63.9

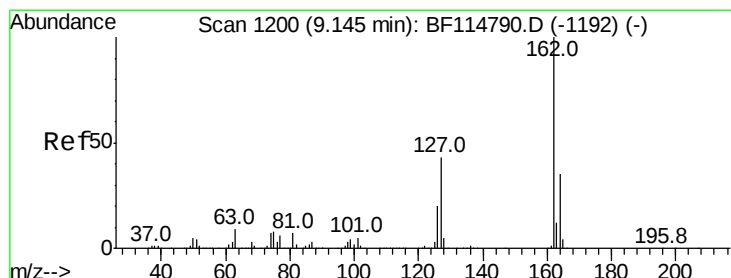
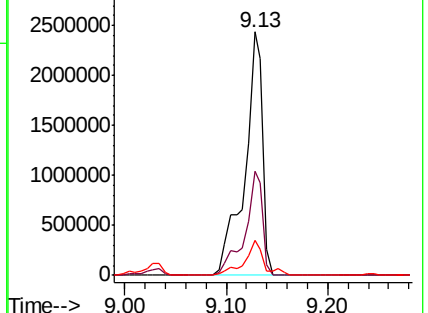
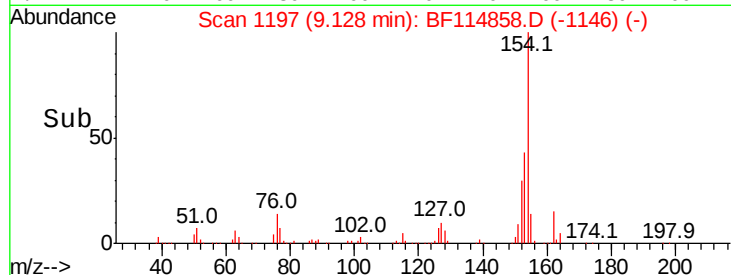
76 14.3 0.0 33.2



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: 41.526 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

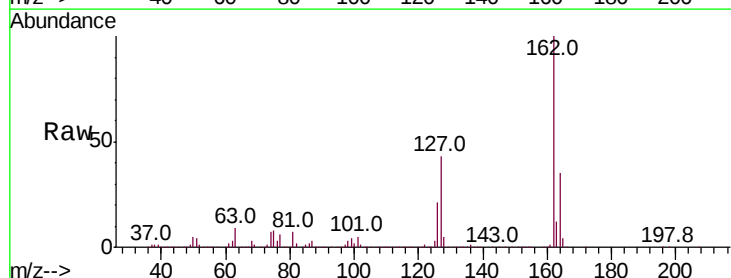
Tgt Ion:162 Resp: 2371963

Ion Ratio Lower Upper

162 100

127 43.1 34.6 51.8

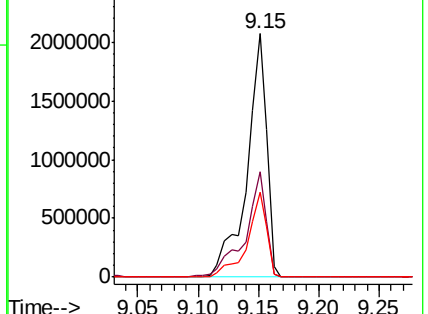
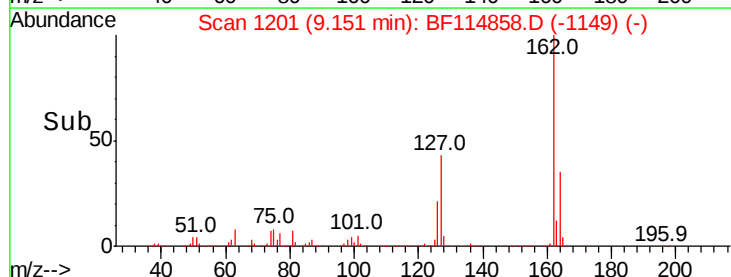
164 34.7 27.8 41.8

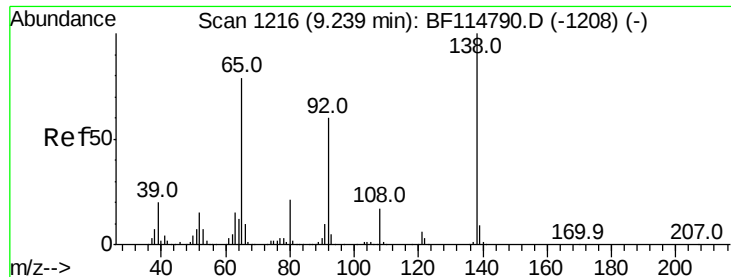


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

2-Nitroaniline

Concen: 40.231 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

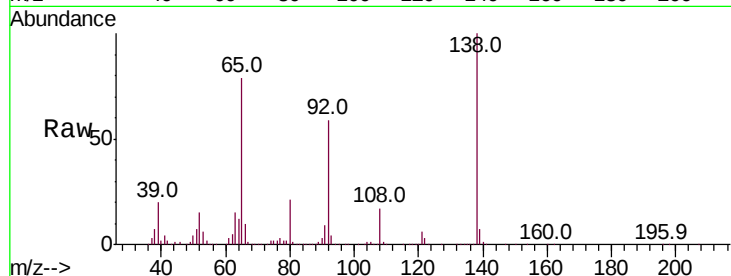
Tot Ion: 65 Resp: 685776

Ion Ratio Lower Upper

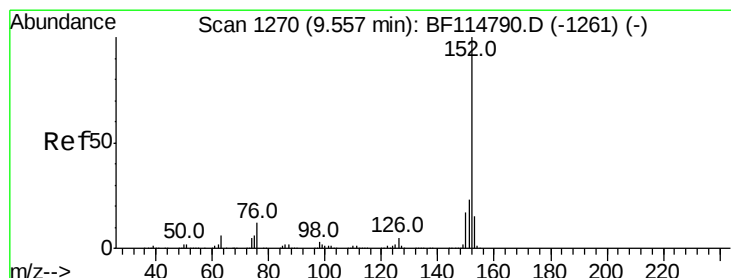
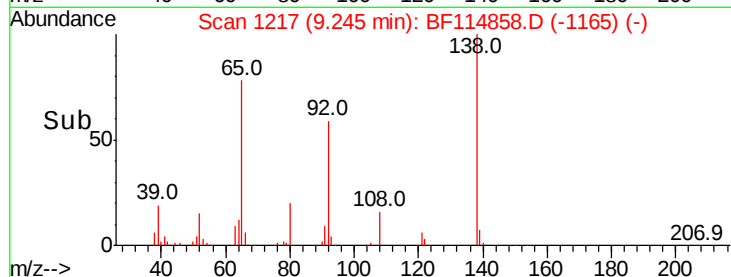
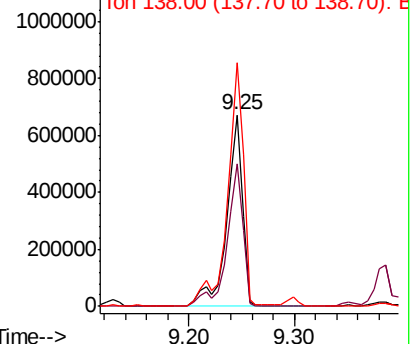
65 100

92 74.6 60.4 90.6

138 127.1 101.2 151.8



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: 43.636 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

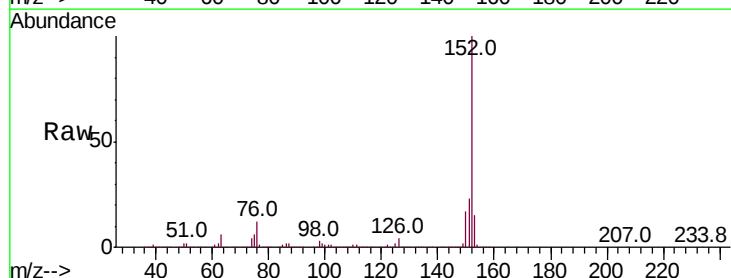
Tgt Ion: 152 Resp: 3614495

Ion Ratio Lower Upper

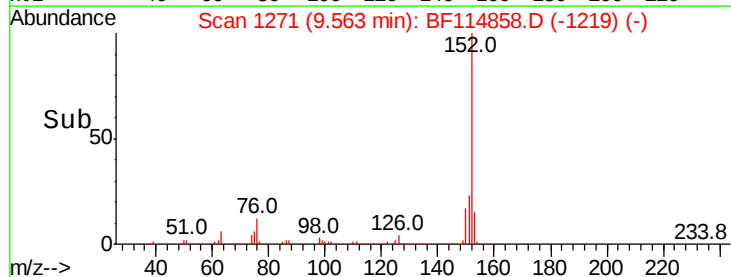
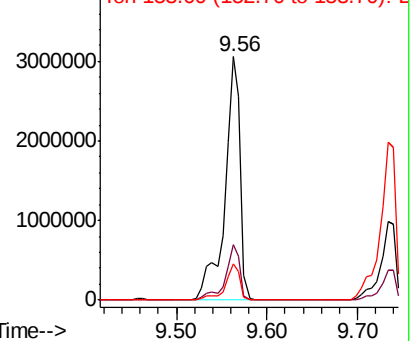
152 100

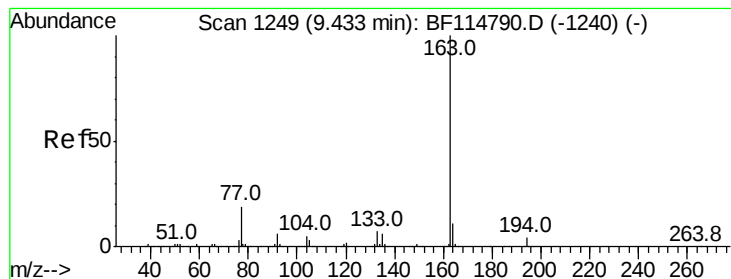
151 23.0 18.3 27.5

153 15.1 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: 36.986 ng

RT: 9.44 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

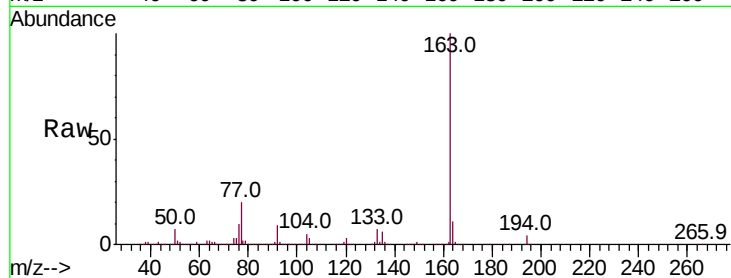
Tot Ion:163 Resp: 2450089

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

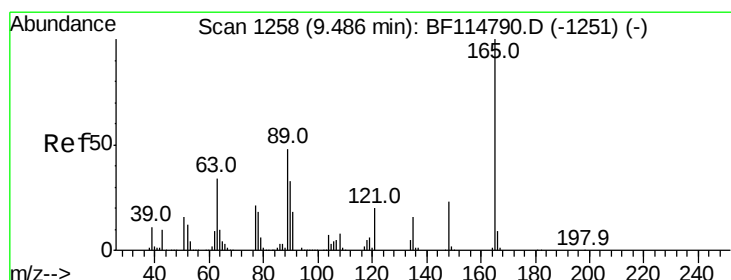
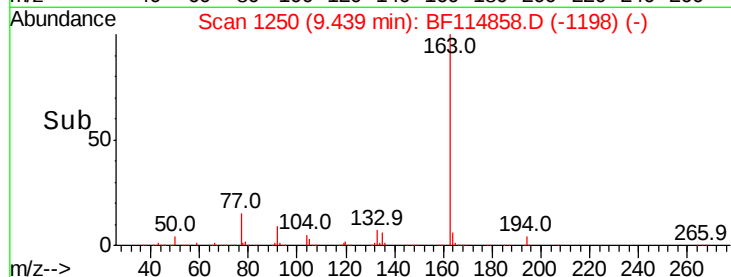
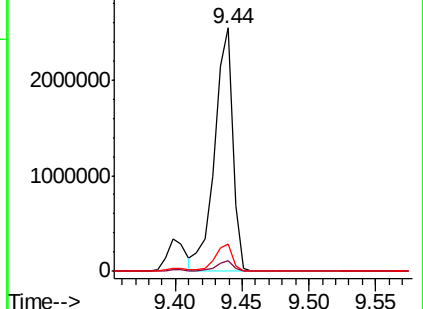
164 11.1 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 39.045 ng

RT: 9.49 min Scan# 1259

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

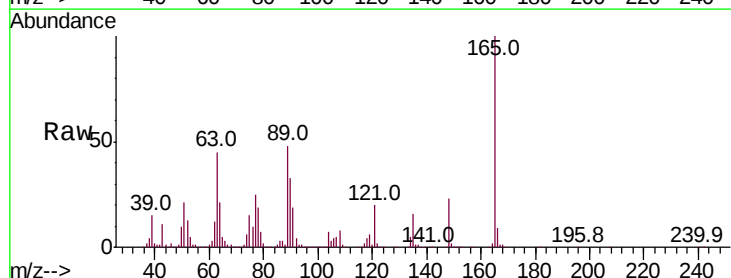
Tgt Ion:165 Resp: 608284

Ion Ratio Lower Upper

165 100

63 45.1 35.1 52.7

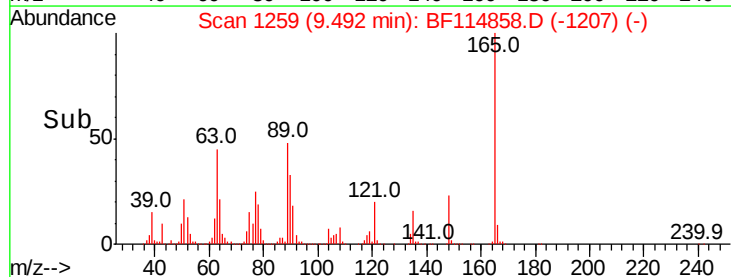
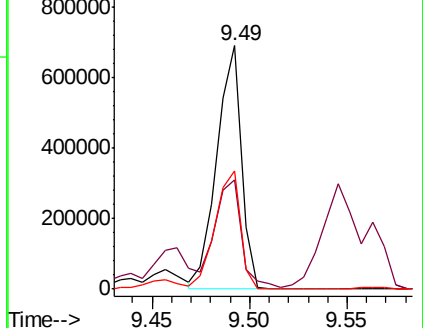
89 48.5 38.2 57.2

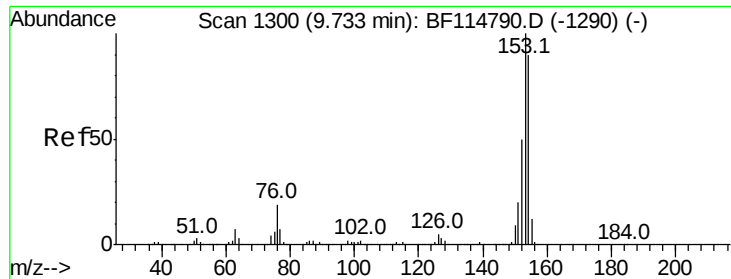


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 42.236 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

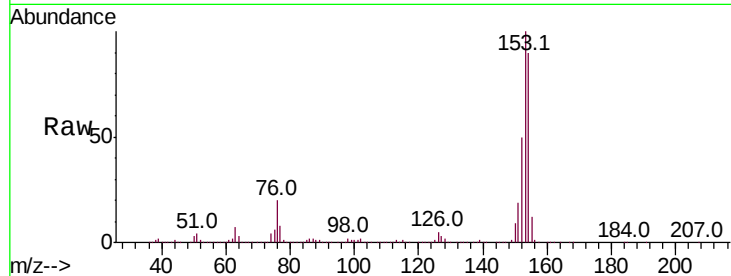
Tot Ion:154 Resp: 2291758

Ion Ratio Lower Upper

154 100

153 111.5 88.5 132.7

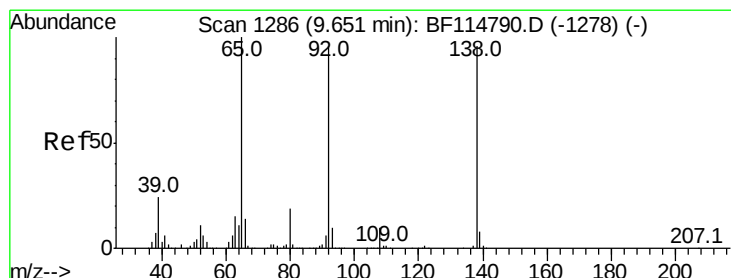
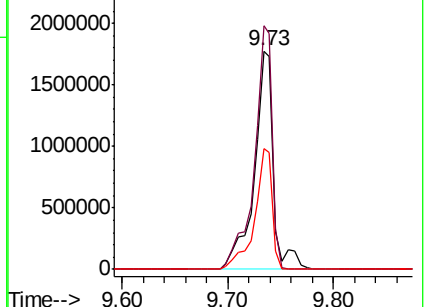
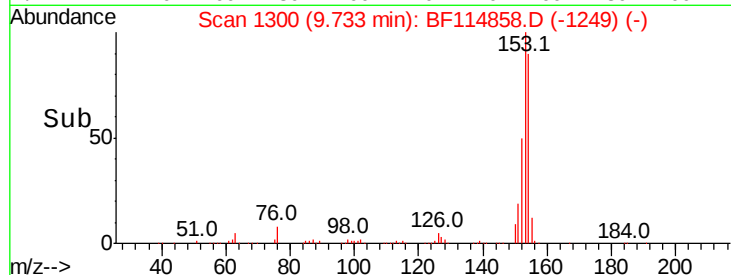
152 55.3 44.1 66.1



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: 5.141 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

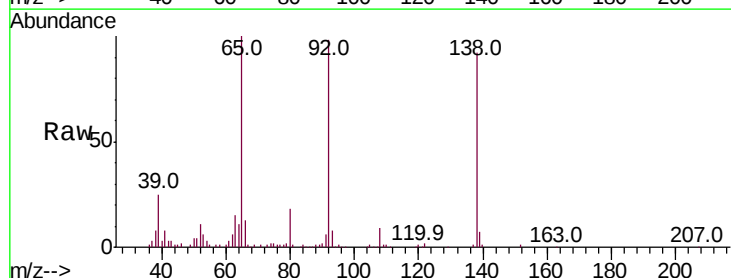
Tgt Ion:138 Resp: 93561

Ion Ratio Lower Upper

138 100

108 10.0 7.9 11.9

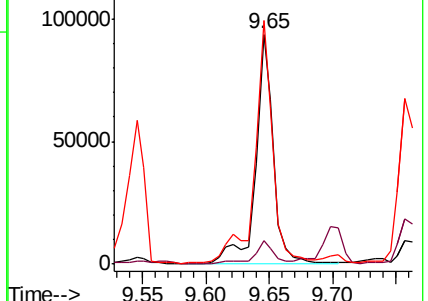
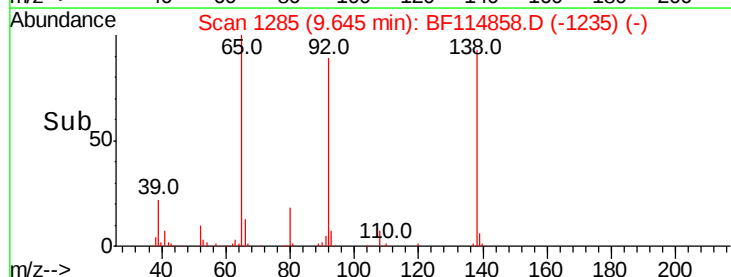
92 106.1 79.9 119.9

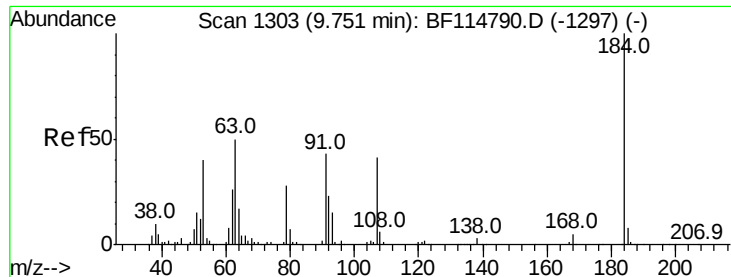


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 38.045 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

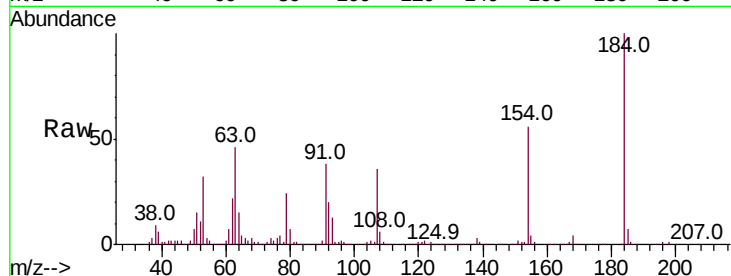
Tot Ion:184 Resp: 268200

Ion Ratio Lower Upper

184 100

63 45.5 44.1 66.1

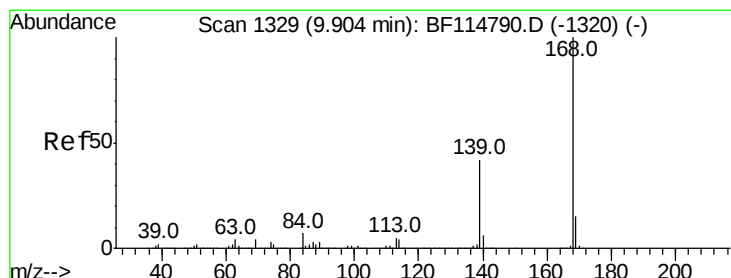
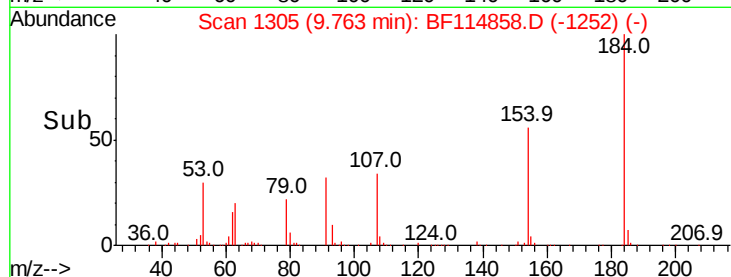
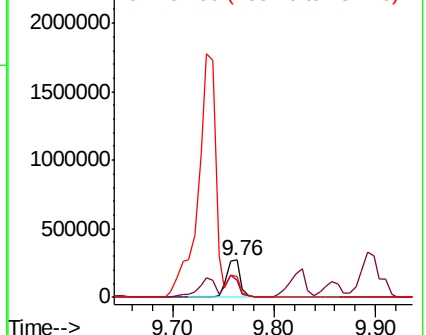
154 56.5 48.1 72.1



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: 40.981 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

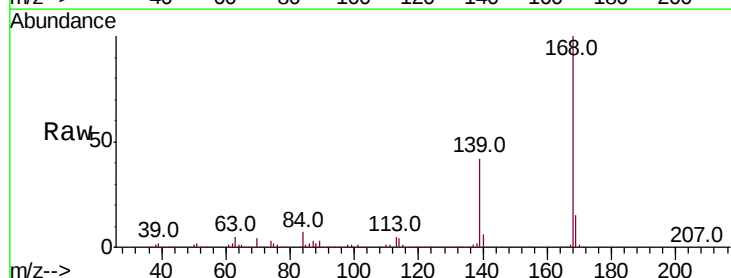
Tgt Ion:168 Resp: 3092145

Ion Ratio Lower Upper

168 100

139 41.5 33.8 50.6

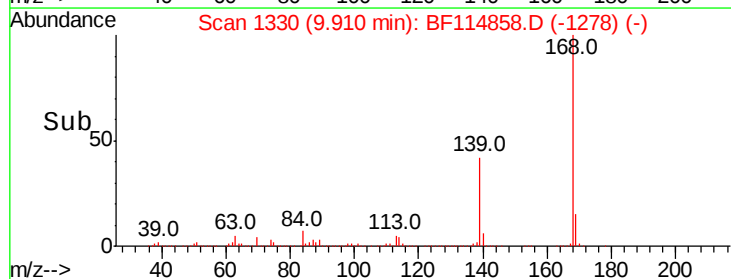
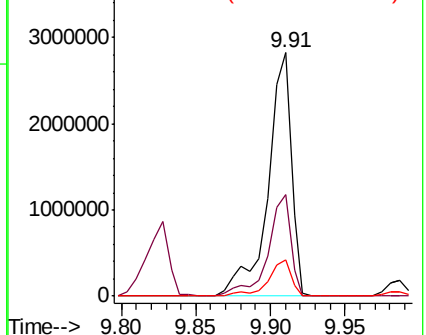
169 14.9 11.9 17.9

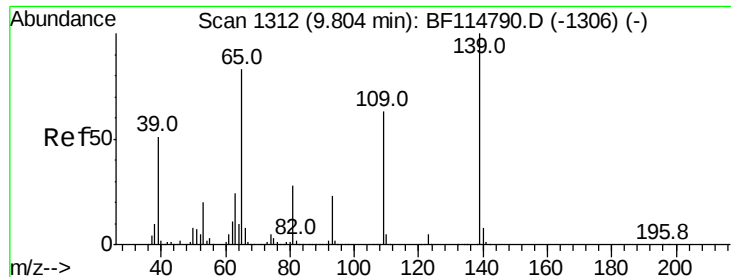


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

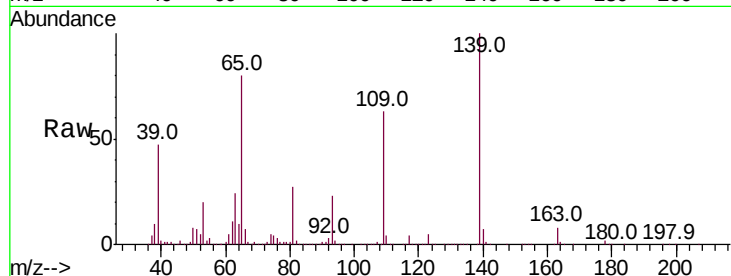




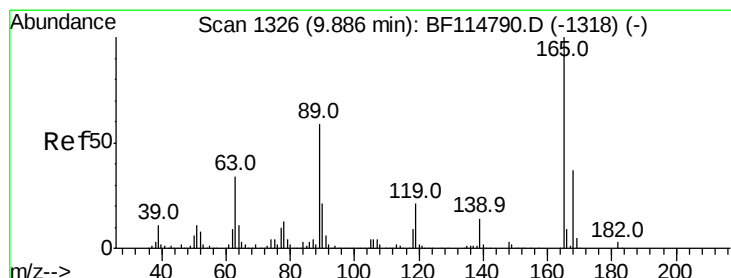
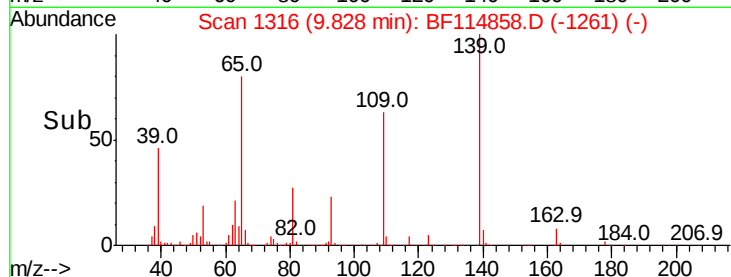
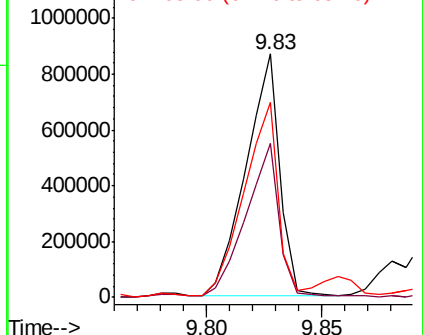
#56
4-Nitrophenol
Concen: 66.435 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion:139 Resp: 885949
Ion Ratio Lower Upper
139 100
109 63.2 43.5 83.5
65 79.8 63.2 103.2

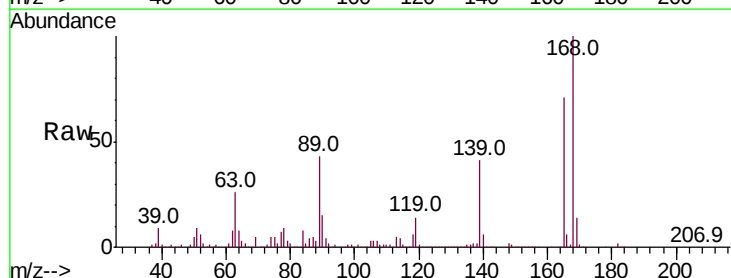


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

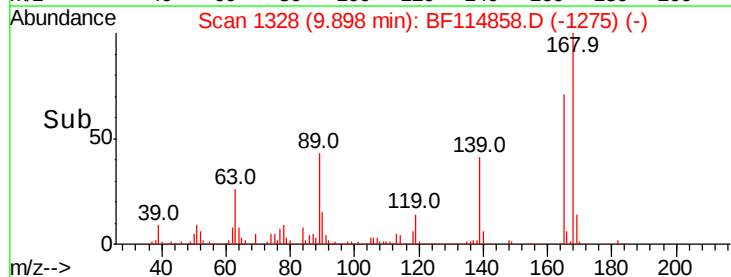
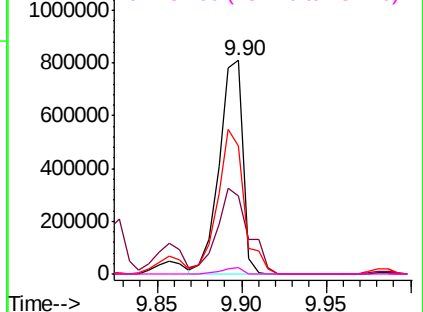


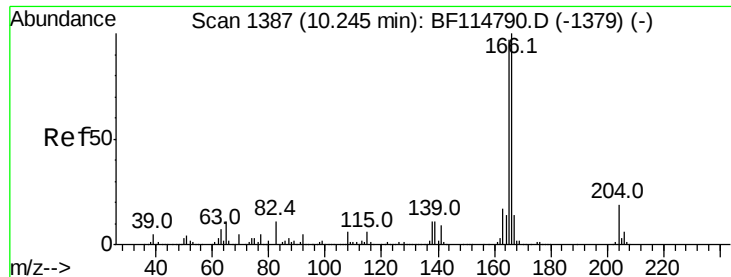
#57
2,4-Dinitrotoluene
Concen: 40.269 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:165 Resp: 788651
Ion Ratio Lower Upper
165 100
63 36.7 27.0 40.4
89 59.9 47.0 70.6
182 2.9 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: 45.164 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

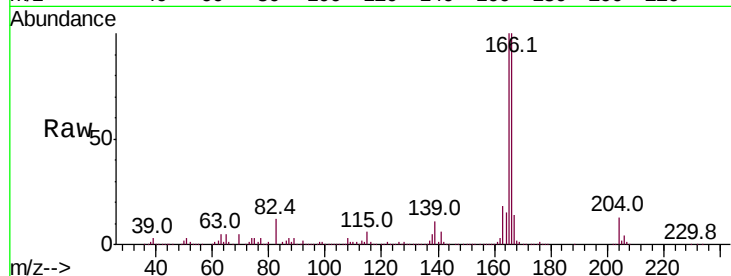
Tot Ion:166 Resp: 2182424

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

167 13.9 11.3 16.9

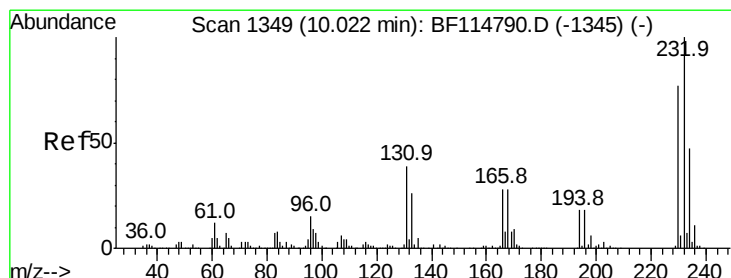
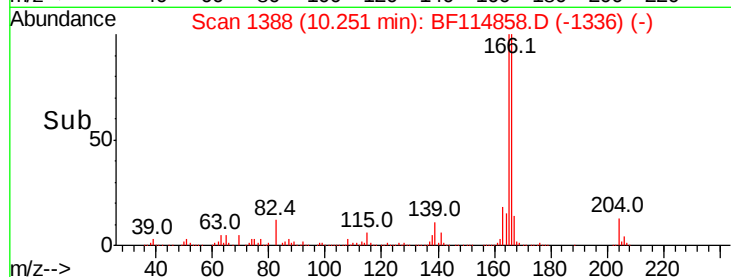
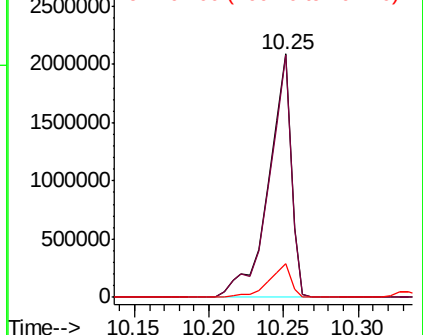


Abundance

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: 40.294 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion:232 Resp: 675715

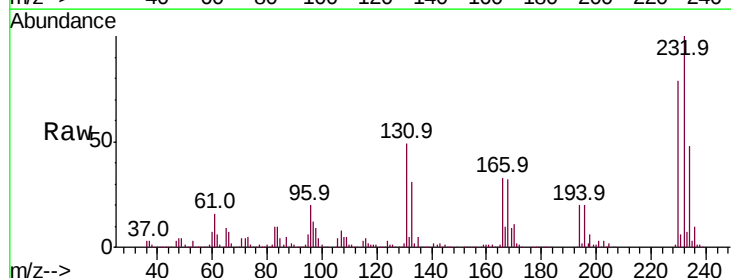
Ion Ratio Lower Upper

232 100

131 46.3 36.8 55.2

130 2.1 1.8 2.6

166 30.9 24.6 37.0



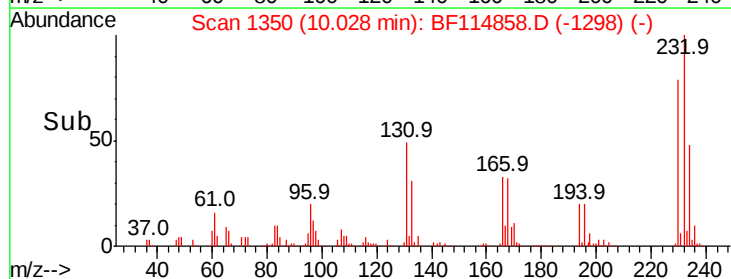
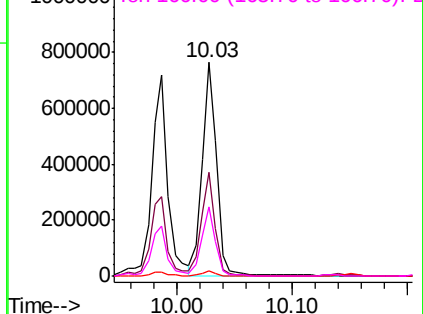
Abundance

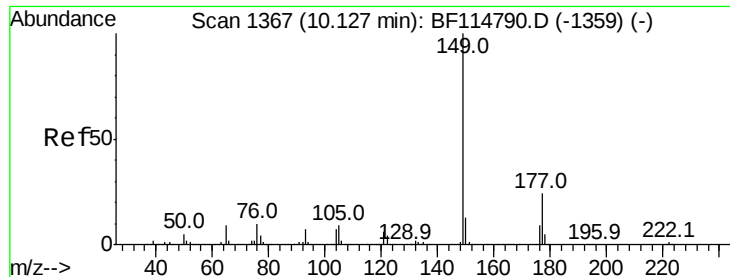
Ion 232.00 (231.70 to 232.70): E

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

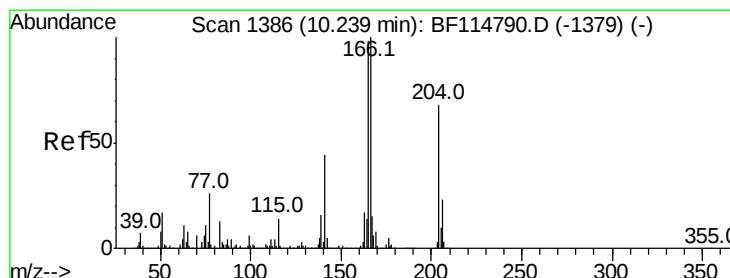
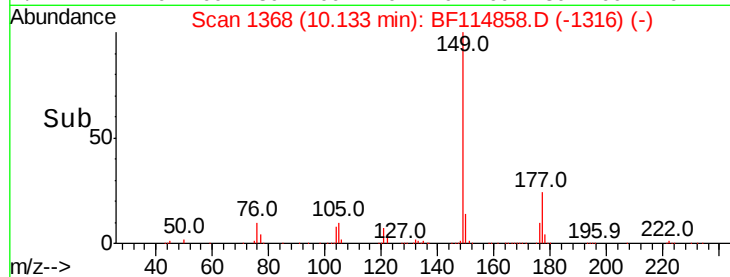
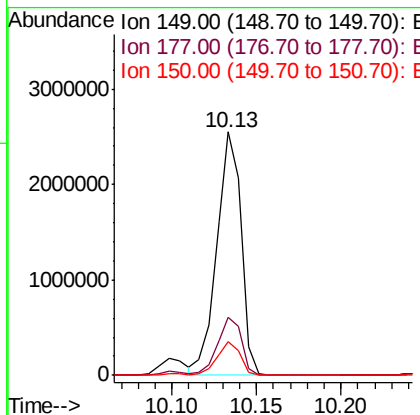
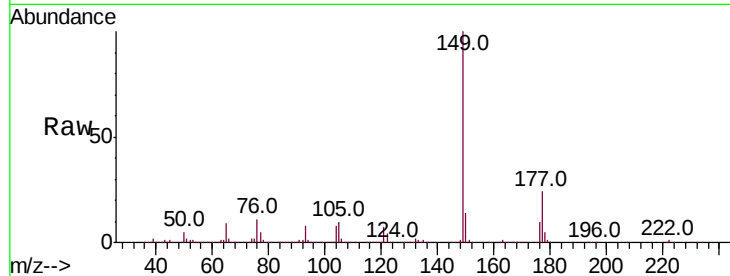




#60
Diethylphthalate
Concen: 38.521 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

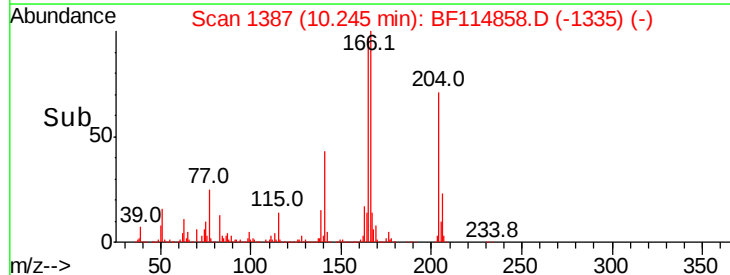
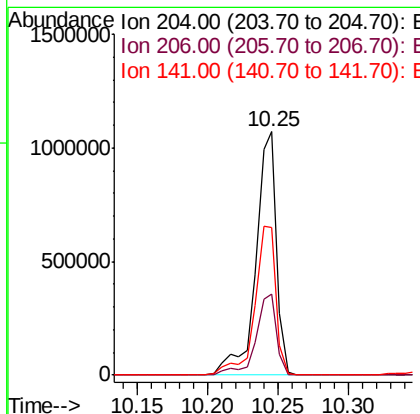
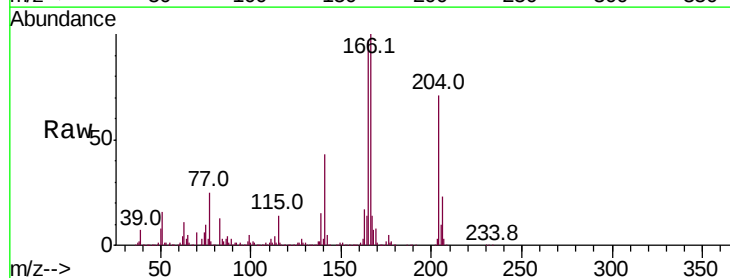
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

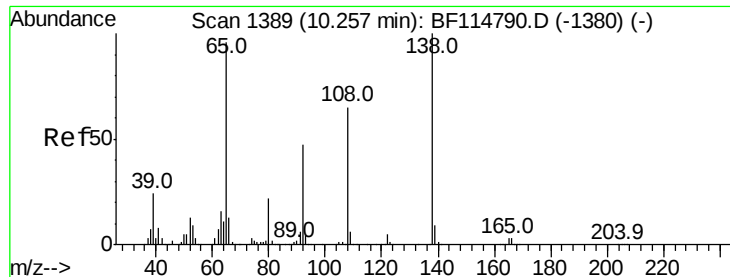
Tot Ion:149 Resp: 2560572
Ion Ratio Lower Upper
149 100
177 24.1 19.3 28.9
150 14.0 10.7 16.1



#61
4-Chlorophenyl-phenylether
Concen: 38.337 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:204 Resp: 1107908
Ion Ratio Lower Upper
204 100
206 33.1 26.5 39.7
141 60.7 51.0 76.4





#62

4-Nitroaniline

Concen: 34.367 ng

RT: 10.27 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

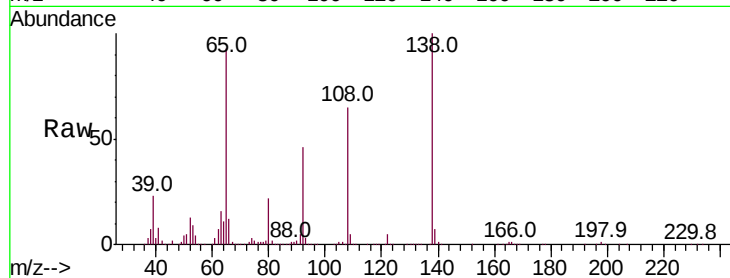
Tot Ion:138 Resp: 606645

Ion Ratio Lower Upper

138 100

92 46.2 26.5 66.5

108 64.8 45.4 85.4

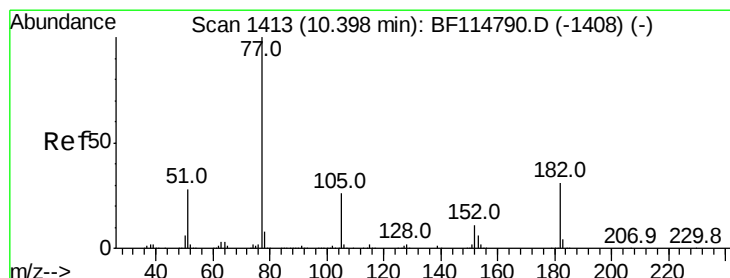
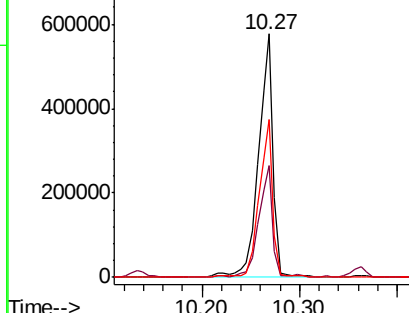
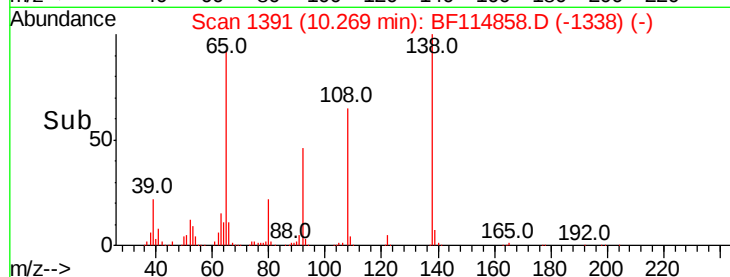


Abundance

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: 40.320 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Tgt Ion: 77 Resp: 2281407

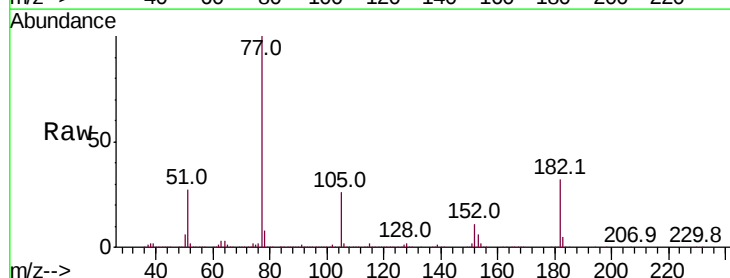
Ion Ratio Lower Upper

77 100

182 31.9 11.2 51.2

105 25.8 5.7 45.7

51 27.3 8.0 48.0



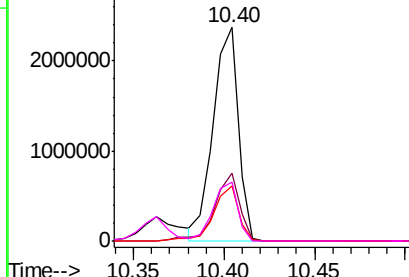
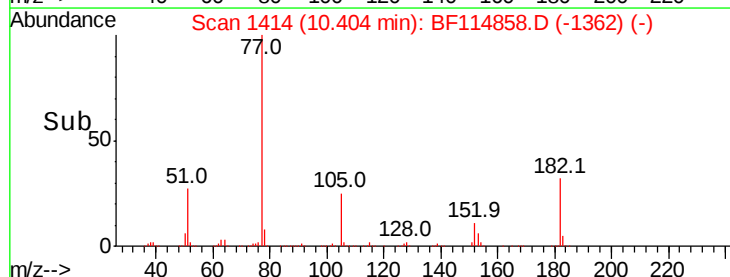
Abundance

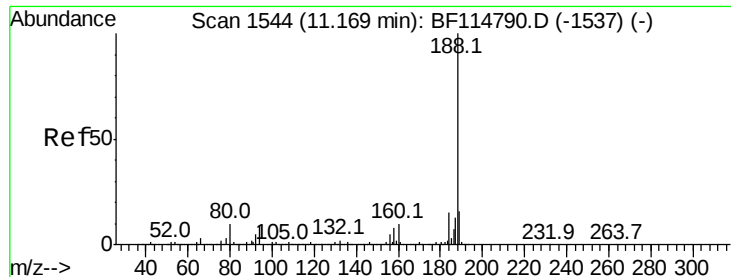
Ion 77.00 (76.70 to 77.70): BF1

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

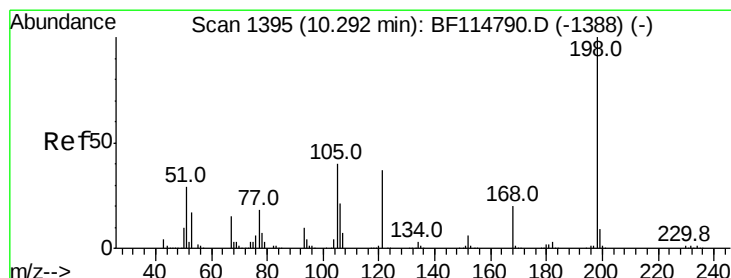
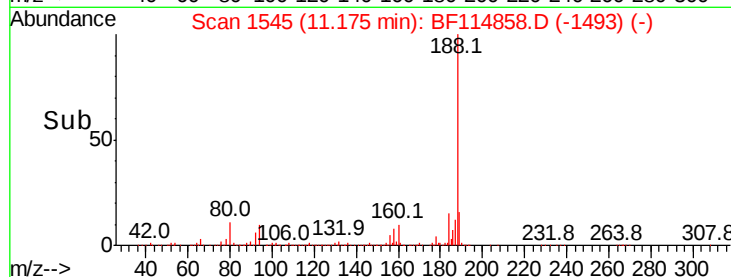
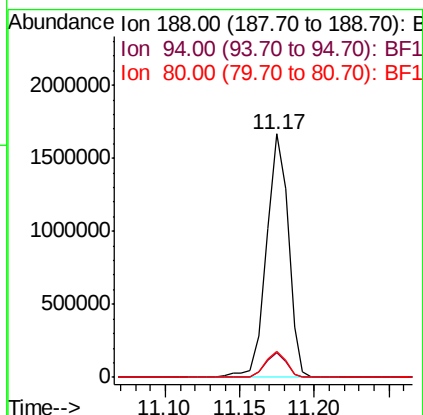
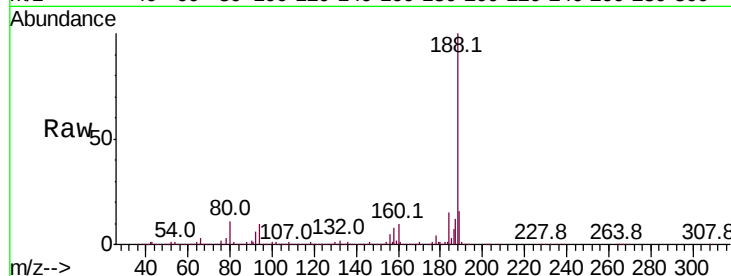




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

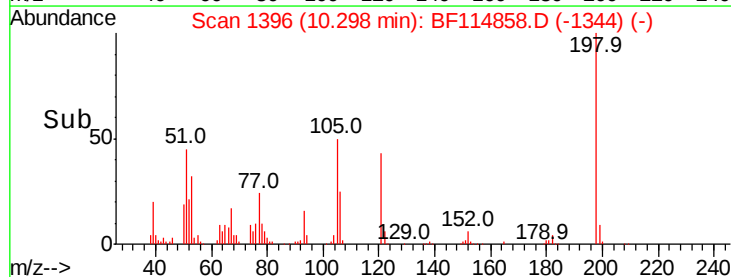
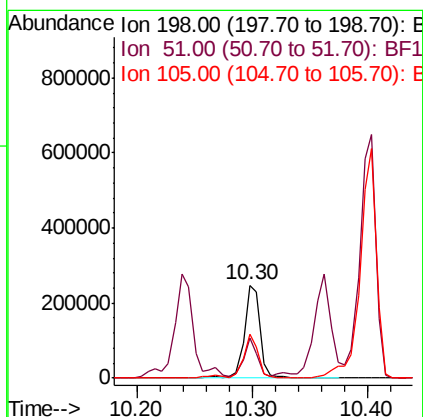
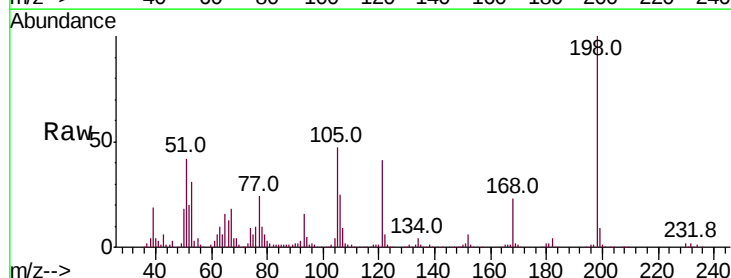
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

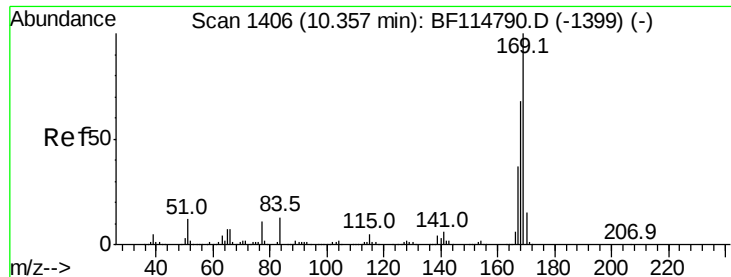
Tot Ion:188 Resp: 1690862
Ion Ratio Lower Upper
188 100
94 10.3 7.6 11.4
80 10.6 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 26.762 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:198 Resp: 235057
Ion Ratio Lower Upper
198 100
51 42.5 14.9 54.9
105 47.2 21.0 61.0

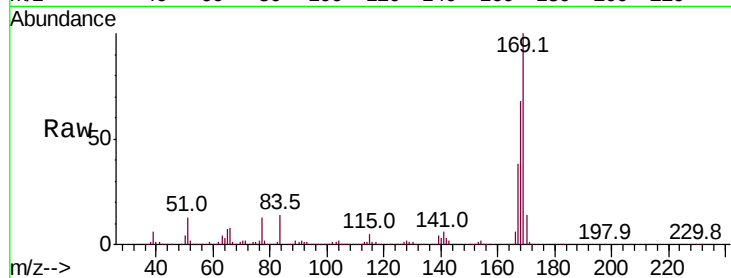




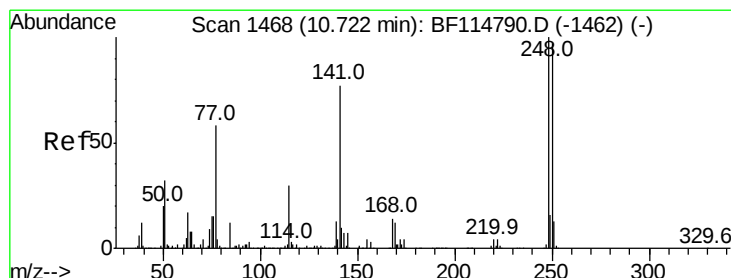
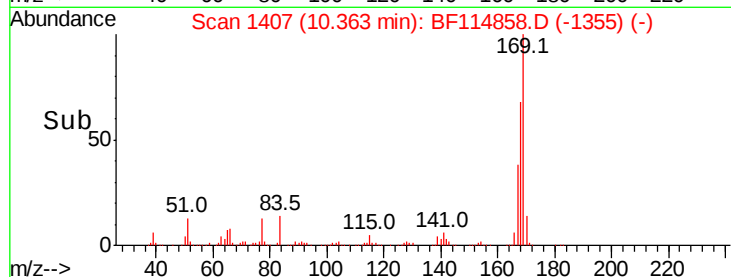
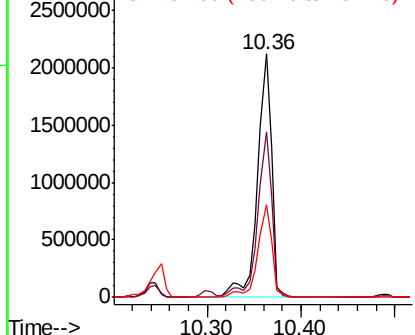
#66
n-Nitrosodiphenylamine
Concen: 43.285 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion:169 Resp: 2213090
Ion Ratio Lower Upper
169 100
168 67.7 54.3 81.5
167 38.1 29.9 44.9

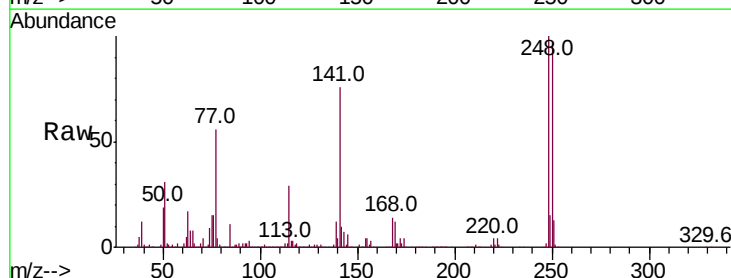


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

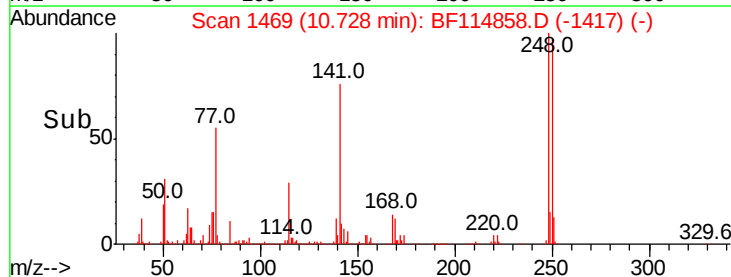
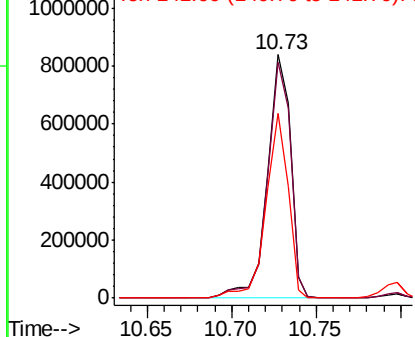


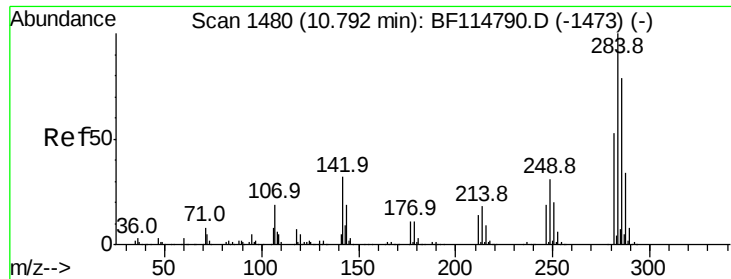
#67
4-Bromophenyl-phenylether
Concen: 41.430 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:248 Resp: 795628
Ion Ratio Lower Upper
248 100
250 96.7 77.5 116.3
141 75.6 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

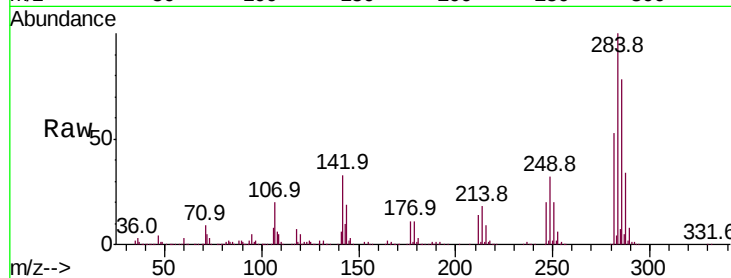




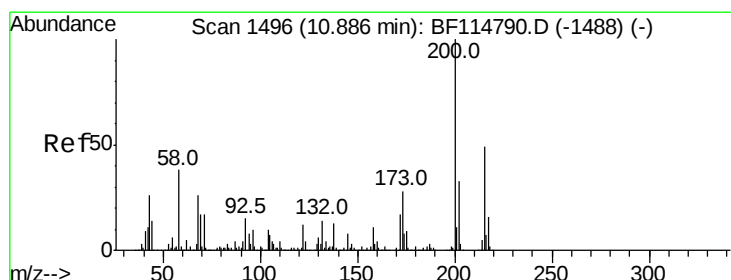
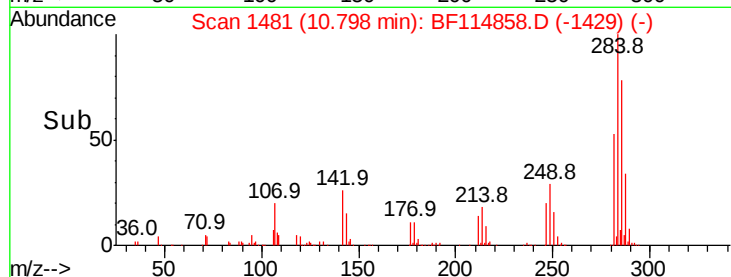
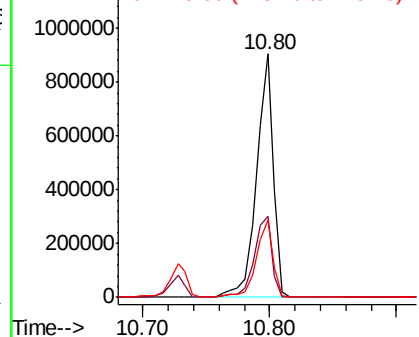
#68
Hexachlorobenzene
Concen: 39.970 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.3	37.9
249	31.8	24.9	37.3

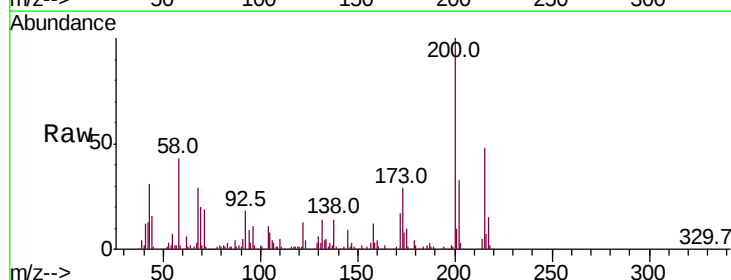


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

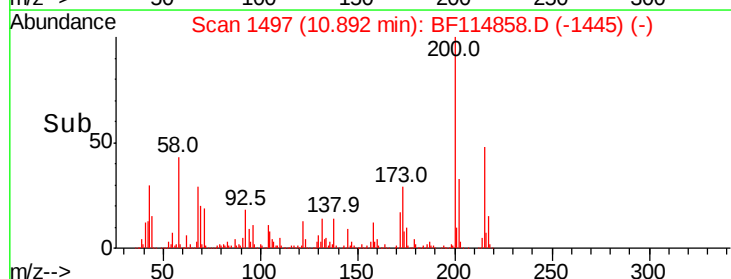
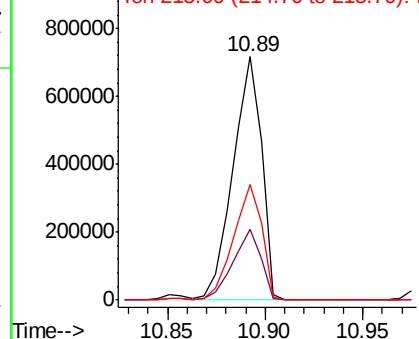


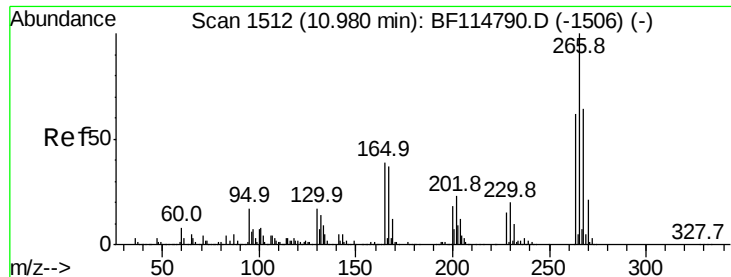
#69
Atrazine
Concen: 41.050 ng
RT: 10.89 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.0	8.0	48.0
215	47.6	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: 66.919 ng

RT: 10.99 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

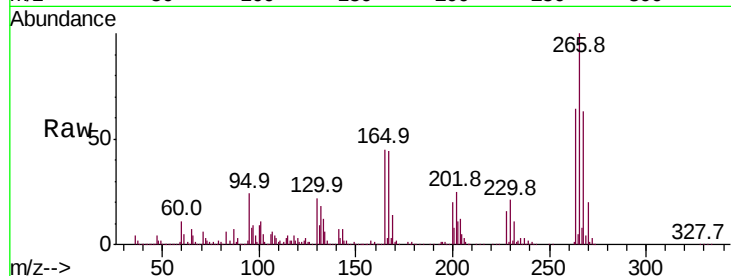
Tot Ion:266 Resp: 813068

Ion Ratio Lower Upper

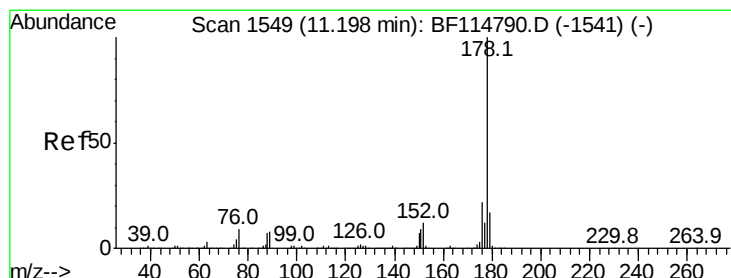
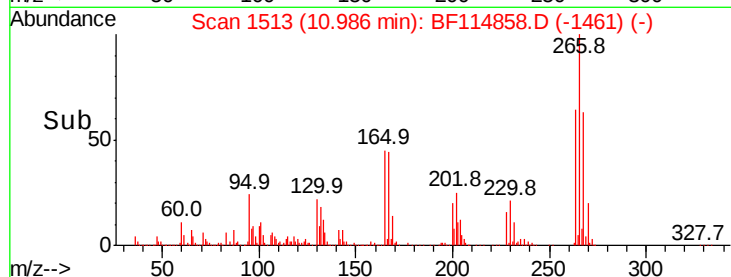
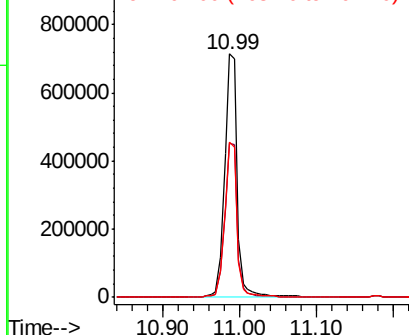
266 100

268 63.2 51.0 76.6

264 63.6 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: 42.055 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

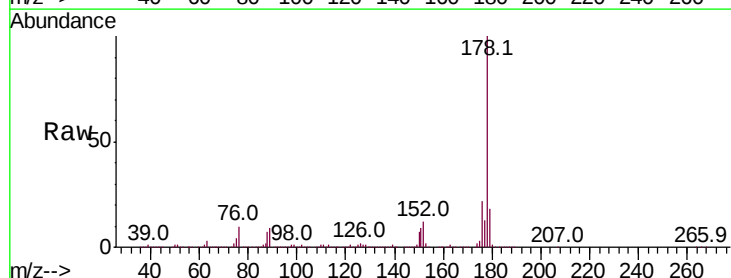
Tgt Ion:178 Resp: 3394712

Ion Ratio Lower Upper

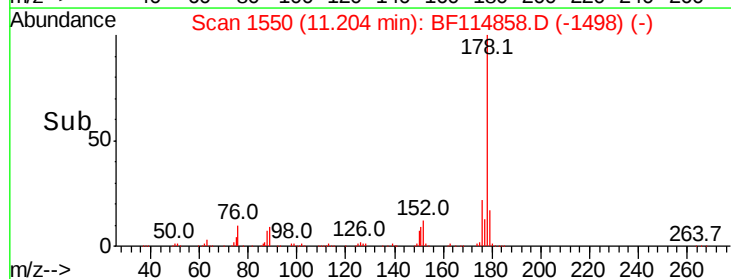
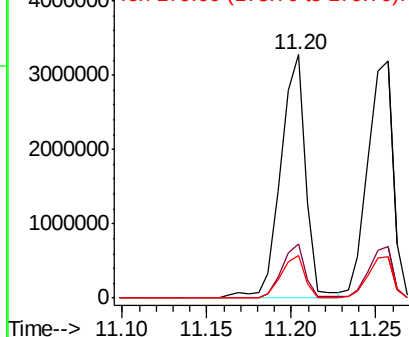
178 100

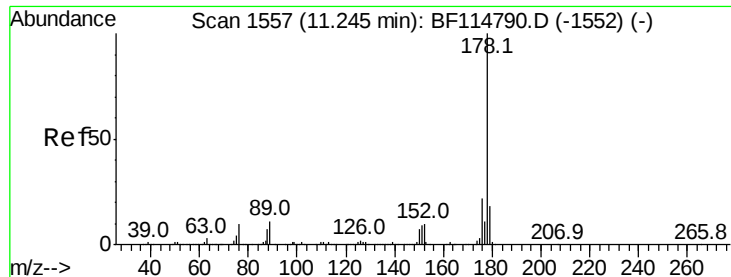
176 22.5 17.7 26.5

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

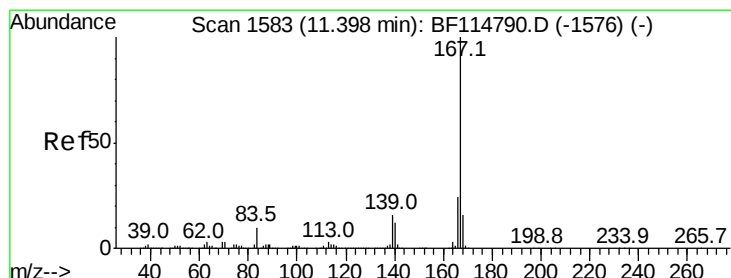
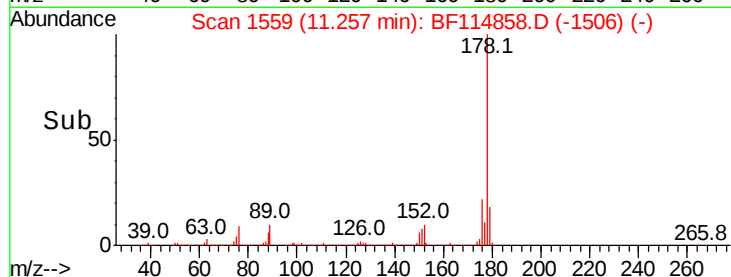
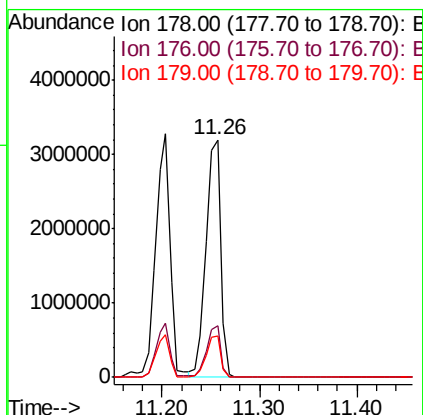
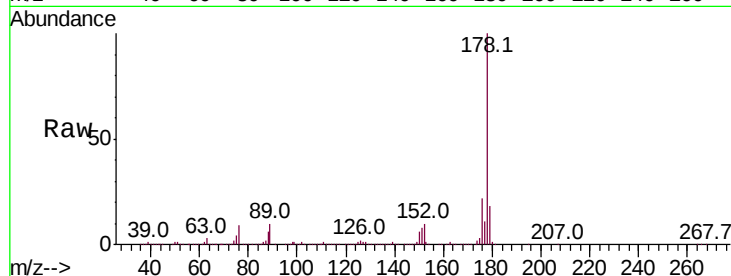




#72
 Anthracene
 Concen: 39.673 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

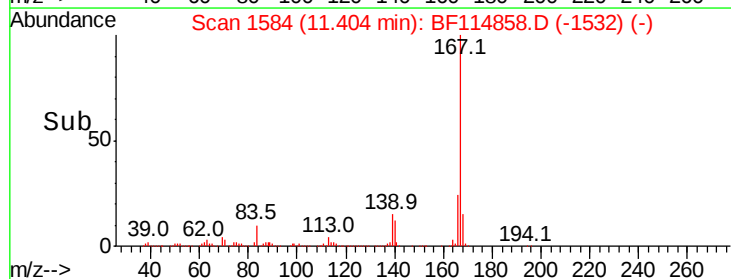
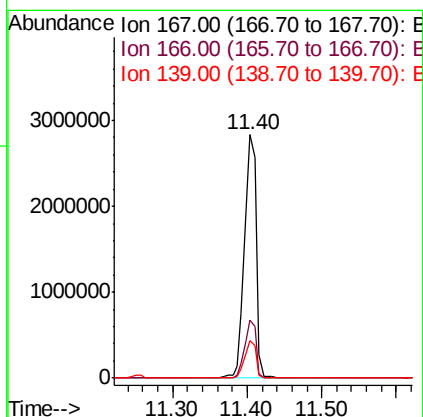
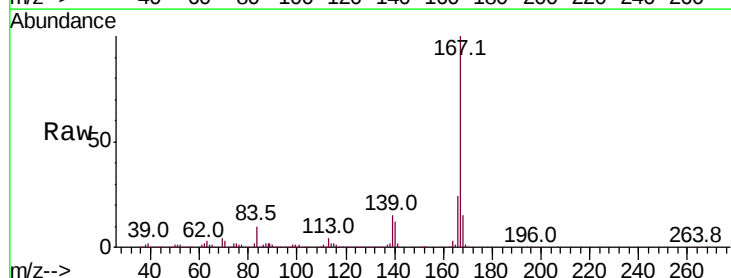
Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

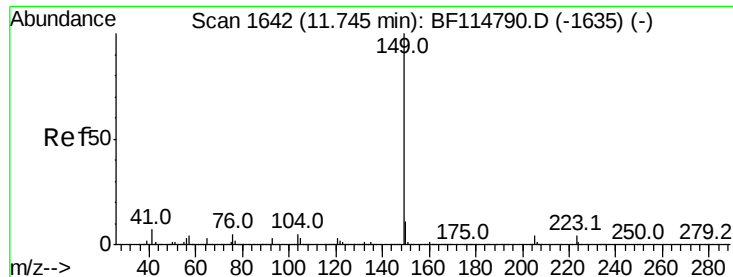
Tot Ion:178 Resp: 3370180
 Ion Ratio Lower Upper
 178 100
 176 22.0 17.4 26.0
 179 17.6 14.2 21.4



#73
 Carbazole
 Concen: 42.200 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Tgt Ion:167 Resp: 3073150
 Ion Ratio Lower Upper
 167 100
 166 24.0 19.1 28.7
 139 15.4 12.4 18.6





#74

Di-n-butylphthalate

Concen: 39.526 ng

RT: 11.75 min Scan# 1643

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

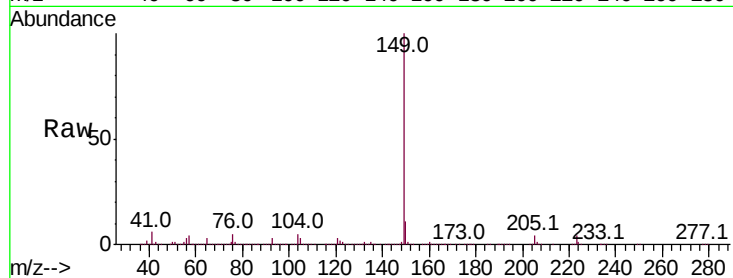
Tot Ion:149 Resp: 3785879

Ion Ratio Lower Upper

149 100

150 10.9 8.9 13.3

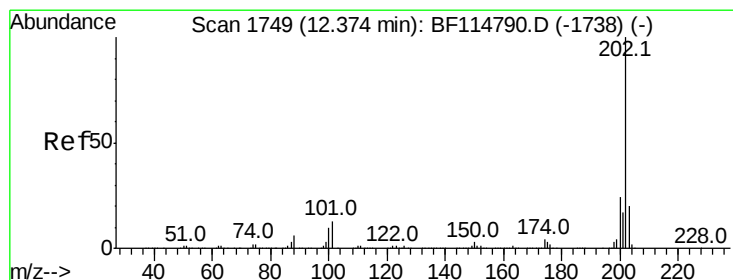
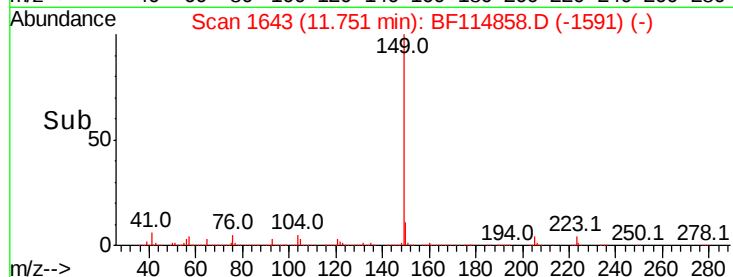
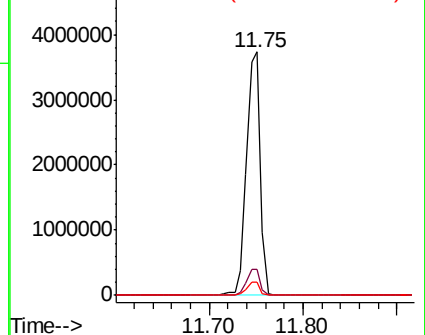
104 5.4 4.3 6.5



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: 40.282 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

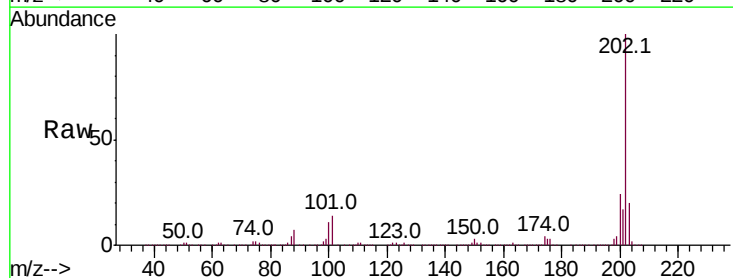
Tgt Ion:202 Resp: 3384278

Ion Ratio Lower Upper

202 100

101 14.5 0.0 32.8

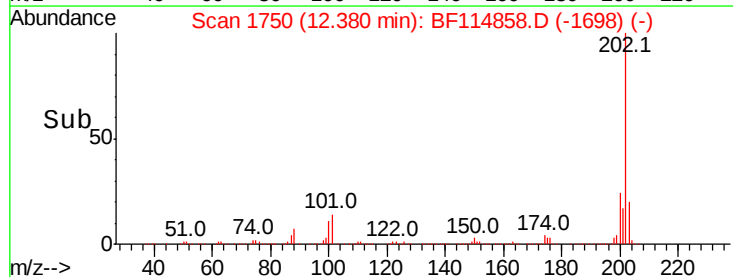
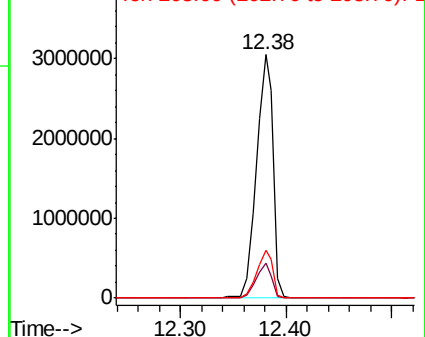
203 19.8 0.2 40.2

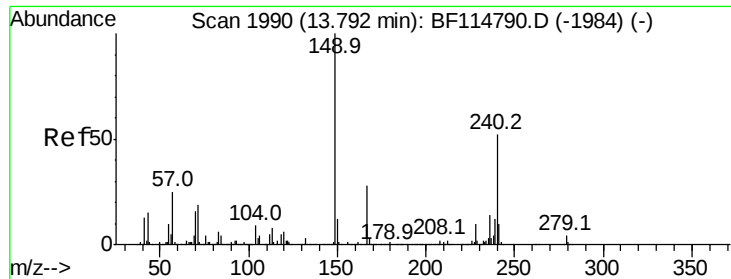


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

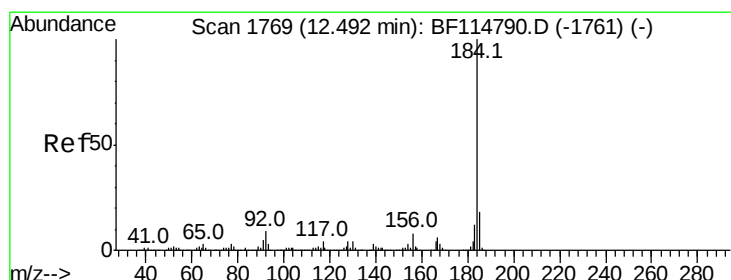
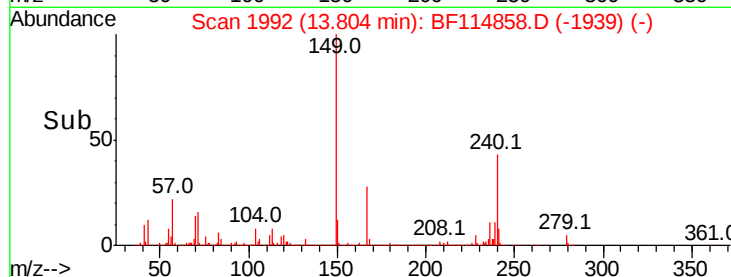
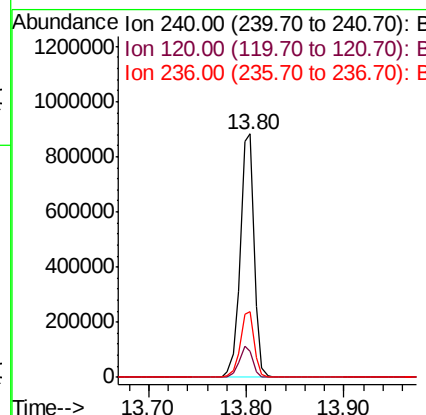
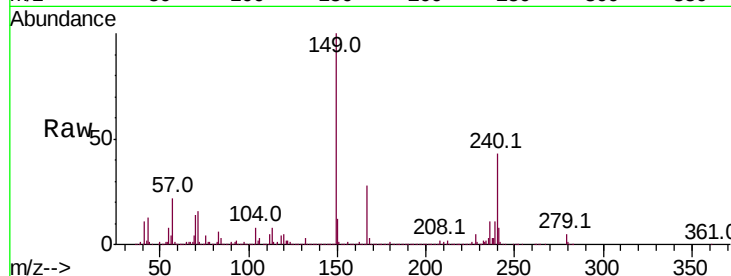




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

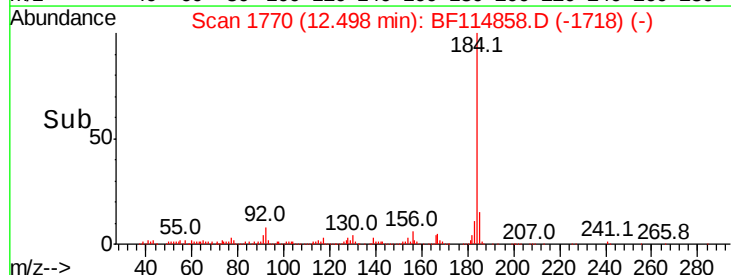
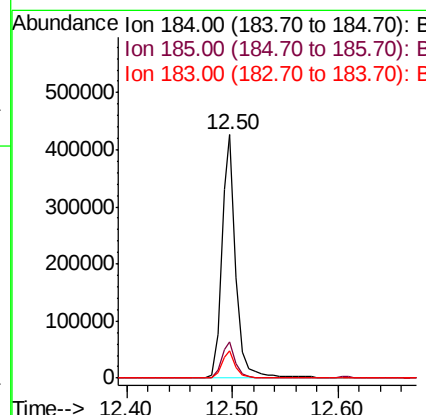
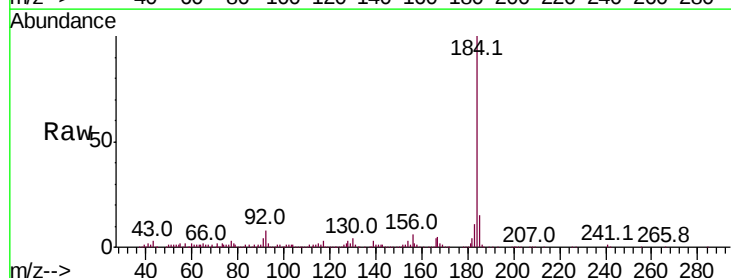
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

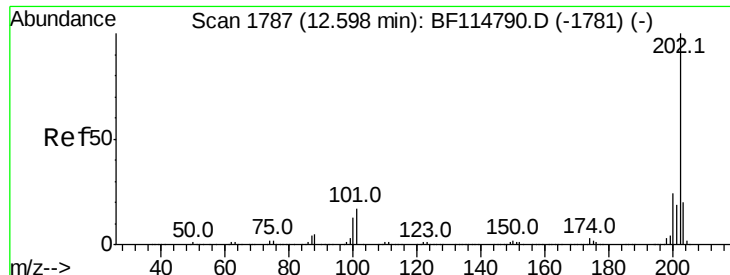
Tot Ion:240 Resp: 870407
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 26.7 21.4 32.0



#77
Benzidine
Concen: 9.230 ng
RT: 12.50 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:184 Resp: 397736
Ion Ratio Lower Upper
184 100
185 14.7 14.1 21.1
183 11.3 9.9 14.9





#78

Pvrene

Concen: 43.872 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

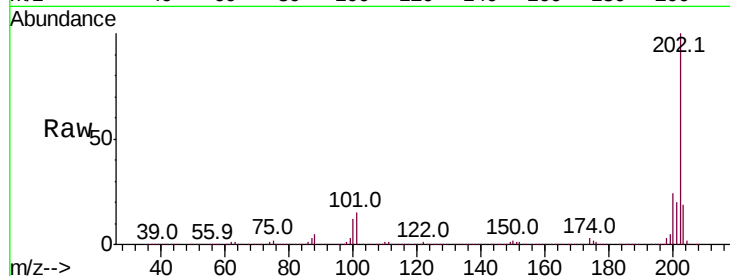
Tot Ion:202 Resp: 3312692

Ion Ratio Lower Upper

202 100

200 24.1 19.2 28.8

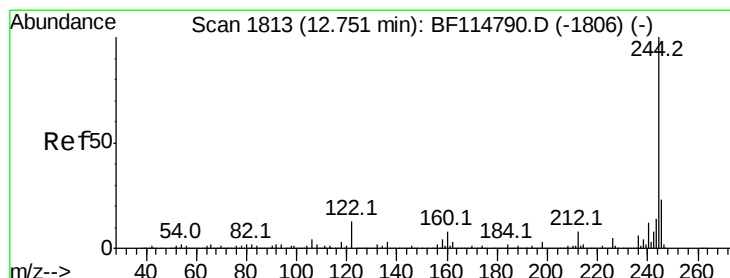
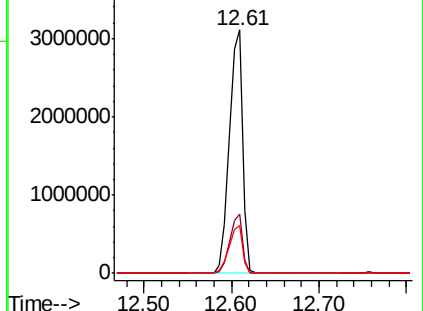
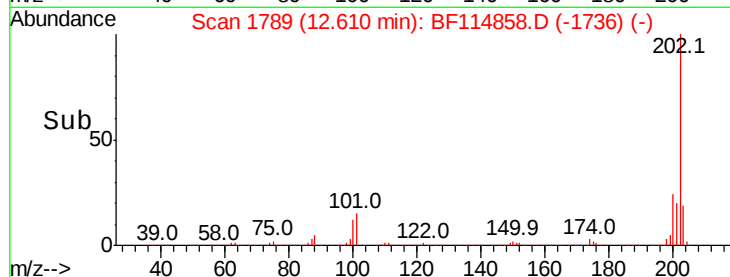
203 19.4 15.9 23.9



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: 91.067 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

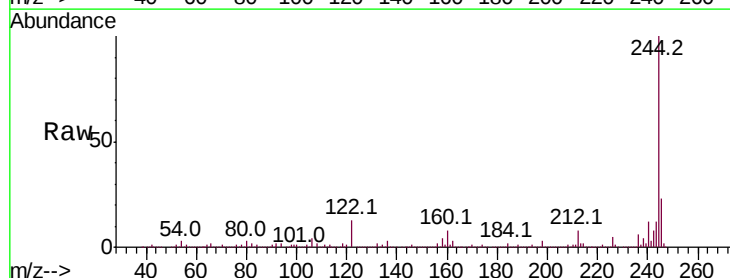
Tgt Ion:244 Resp: 4075848

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

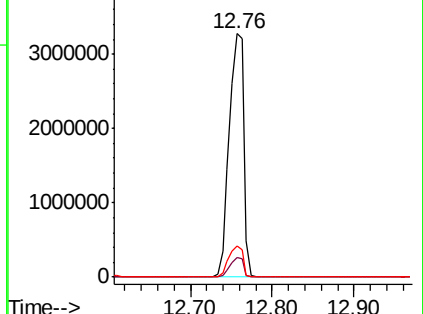
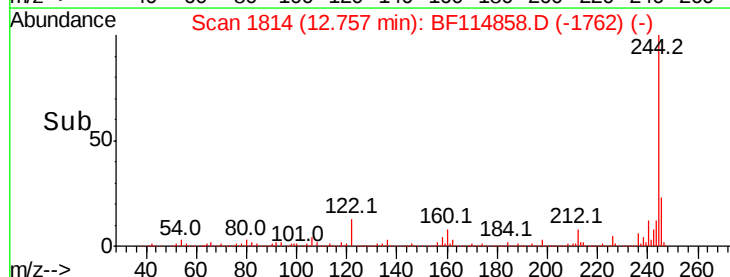
122 12.9 10.5 15.7

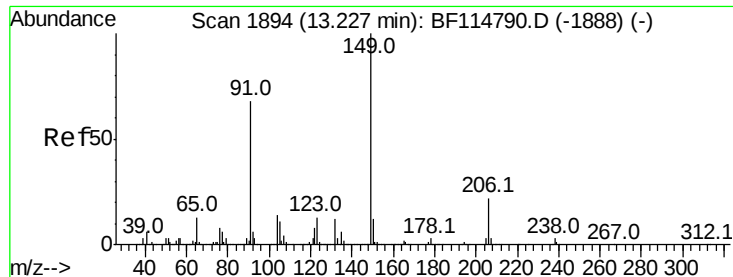


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

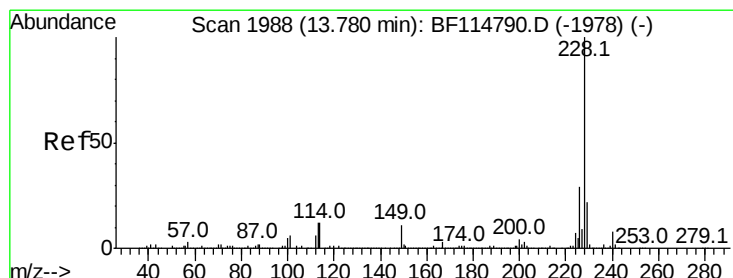
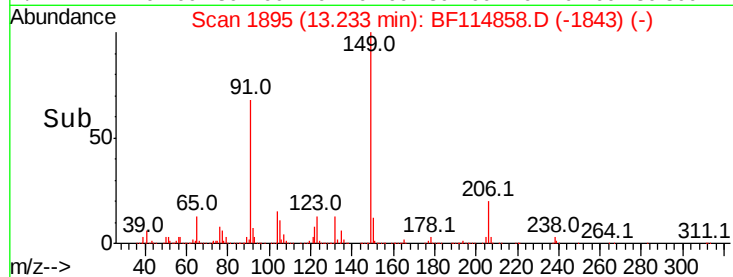
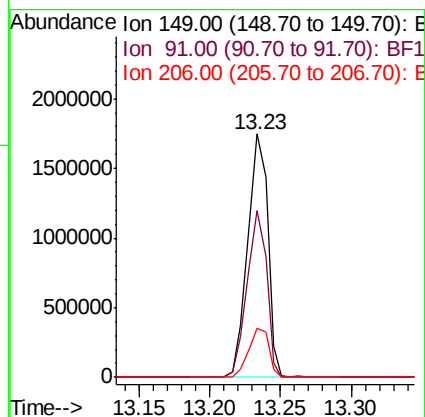
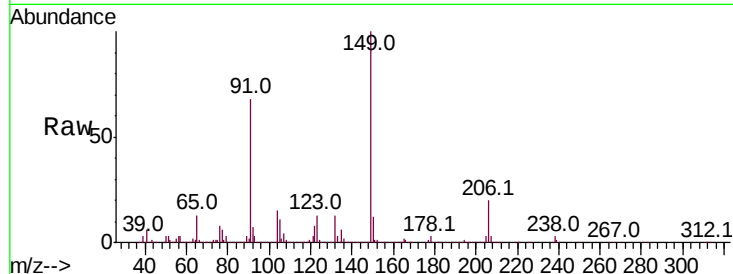




#80
Butylbenzylphthalate
Concen: 45.756 ng
RT: 13.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

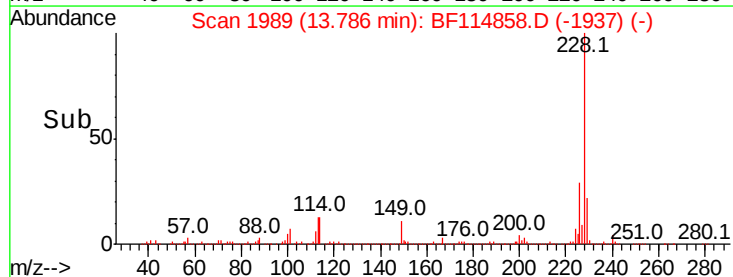
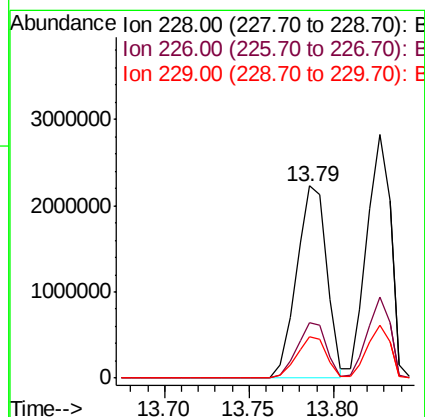
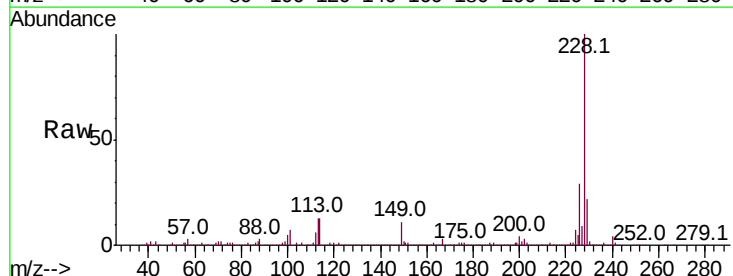
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

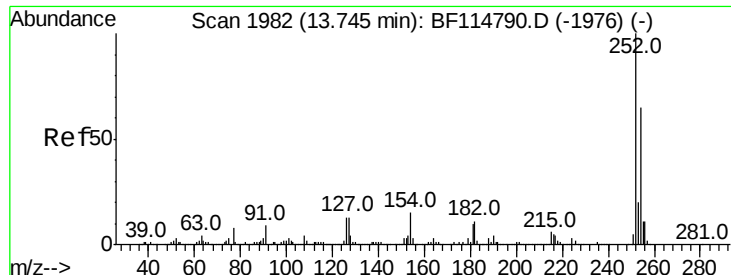
Tot Ion:149 Resp: 1744672
Ion Ratio Lower Upper
149 100
91 68.5 54.6 82.0
206 20.3 17.2 25.8



#81
Benzo(a)anthracene
Concen: 41.107 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:228 Resp: 2757176
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 21.7 17.4 26.0





#82

3,3'-Dichlorobenzidine

Concen: 11.752 ng

RT: 13.75 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

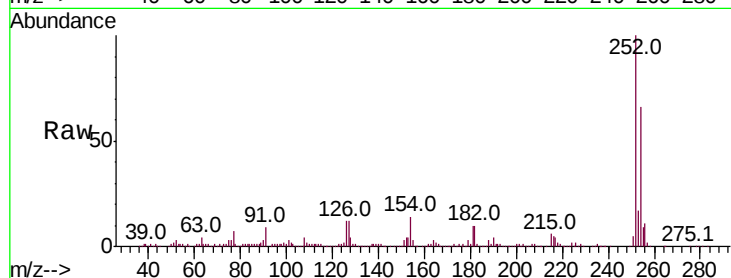
Tot Ion:252 Resp: 319629

Ion Ratio Lower Upper

252 100

254 66.0 51.9 77.9

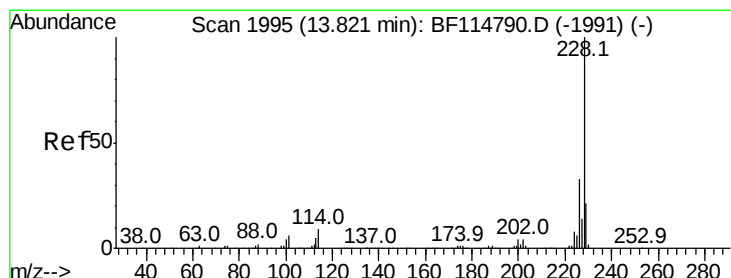
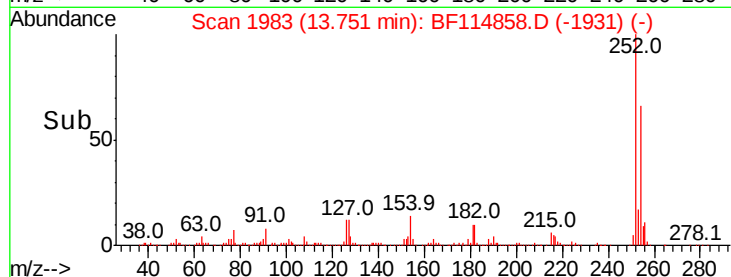
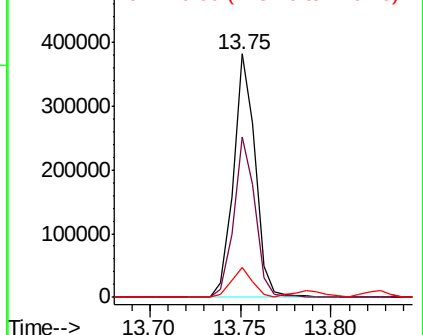
126 12.3 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 42.958 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

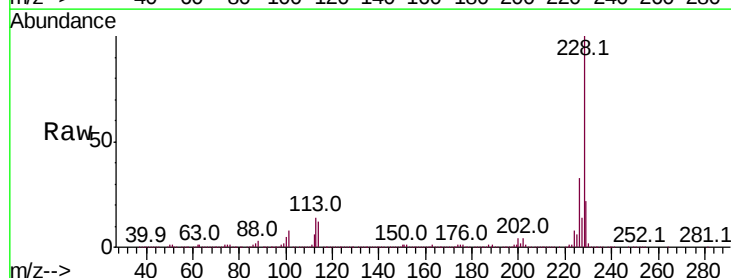
Tgt Ion:228 Resp: 2802997

Ion Ratio Lower Upper

228 100

226 33.1 26.0 39.0

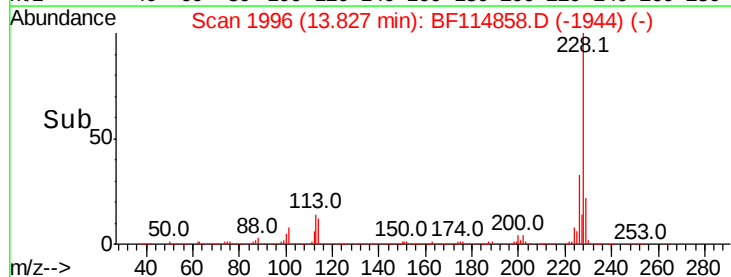
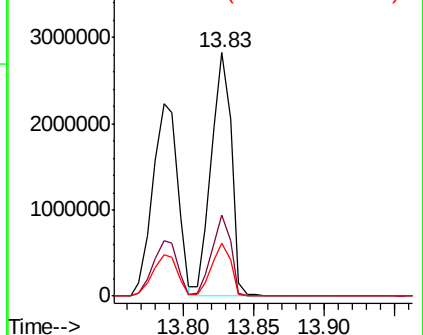
229 21.8 17.1 25.7

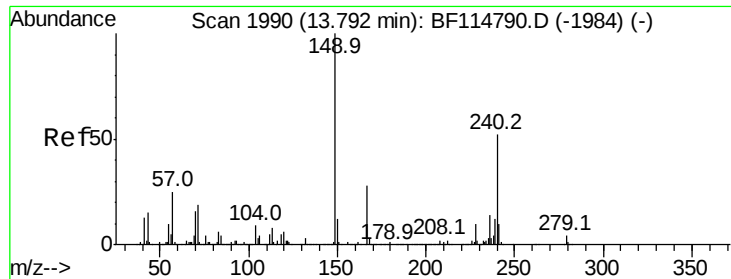


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 42.909 ng

RT: 13.80 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

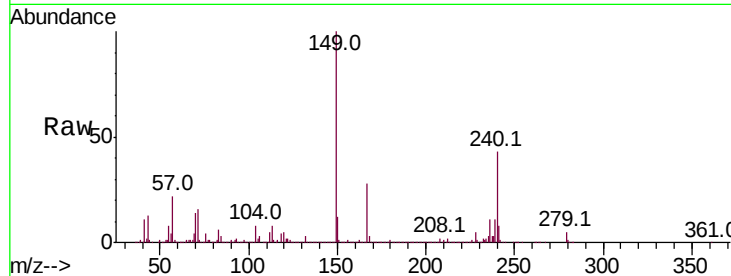
Tot Ion:149 Resp: 2068872

Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

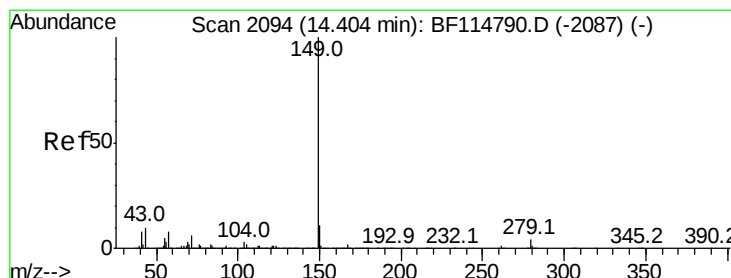
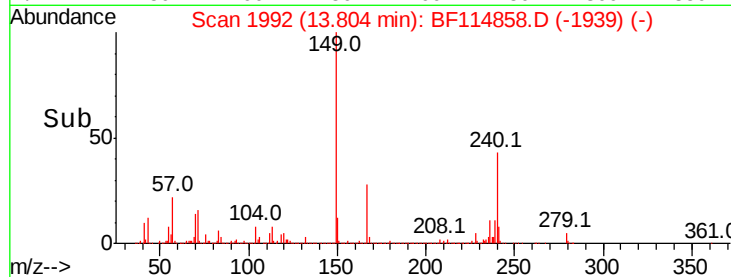
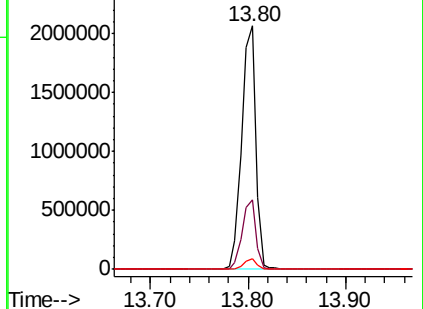
279 4.6 3.1 4.7



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: 44.842 ng

RT: 14.41 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

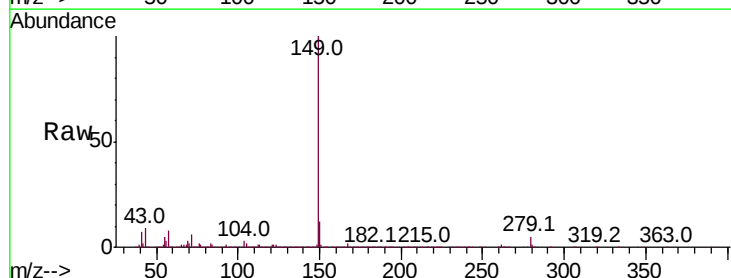
Tgt Ion:149 Resp: 3673744

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

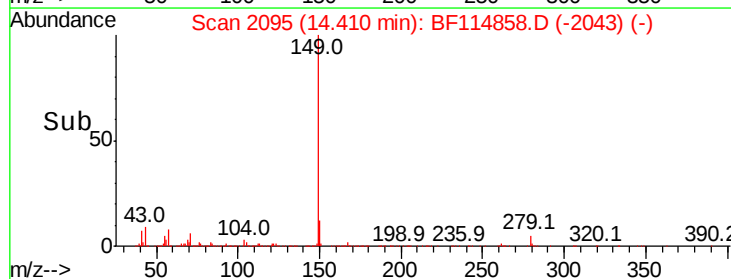
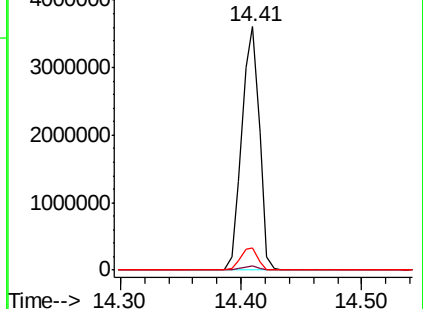
43 8.8 7.0 10.6

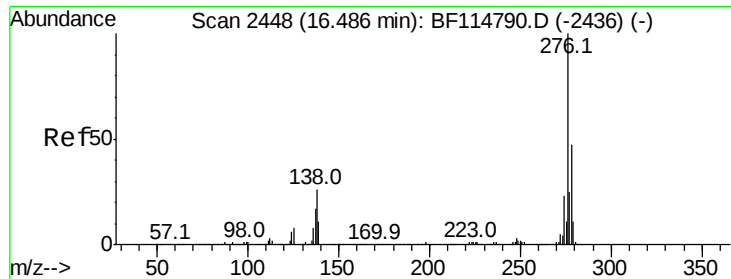


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



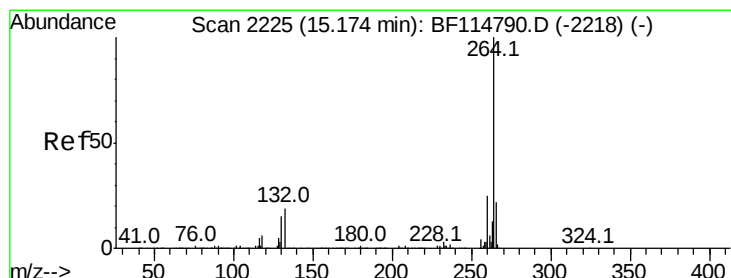
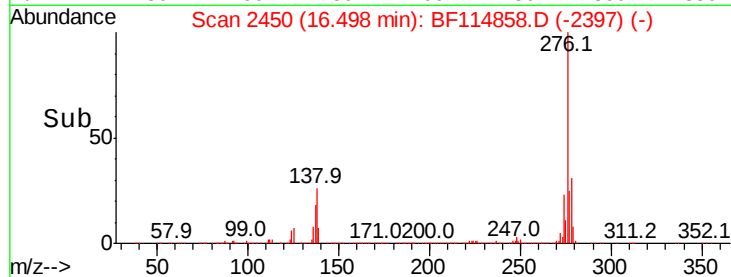
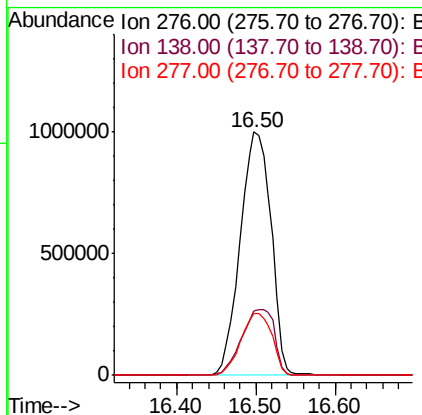
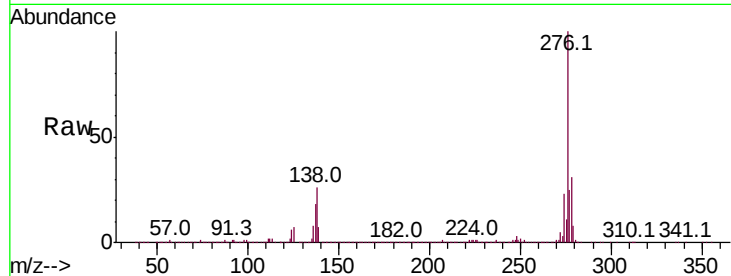


#86
 Indeno(1,2,3-cd)pyrene
 Concen: 36.410 ng
 RT: 16.50 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

Tot Ion:276 Resp: 2710645

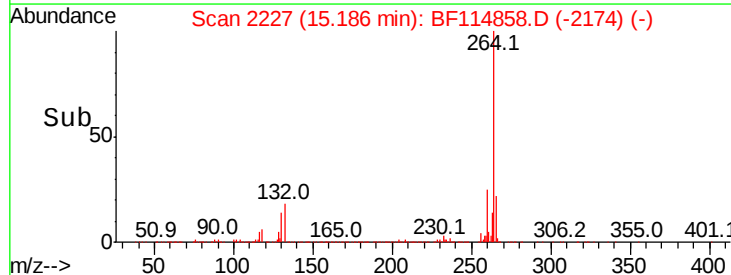
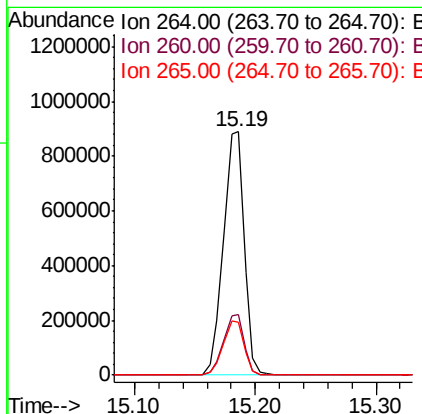
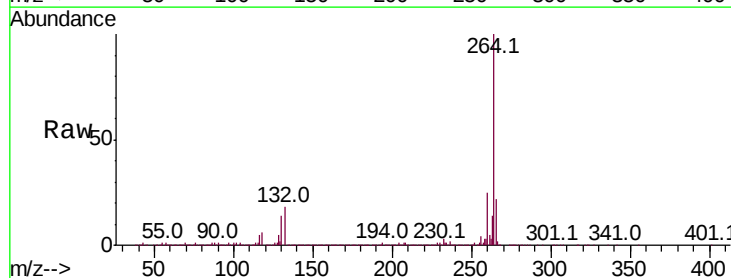
Ion	Ratio	Lower	Upper
276	100		
138	28.8	22.2	33.4
277	25.8	20.6	30.8

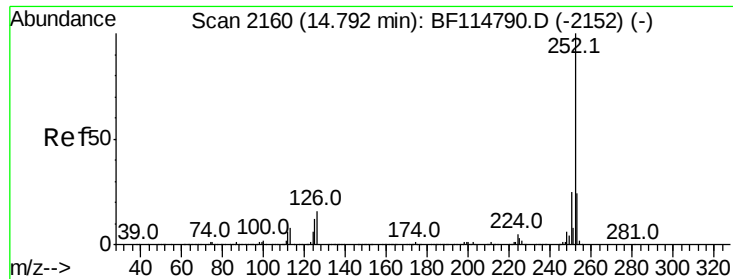


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Tgt Ion:264 Resp: 1065002

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.8	17.7	26.5

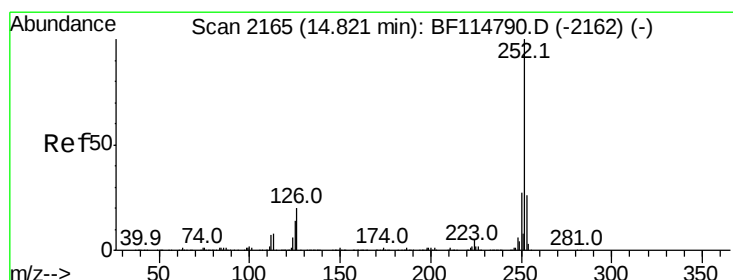
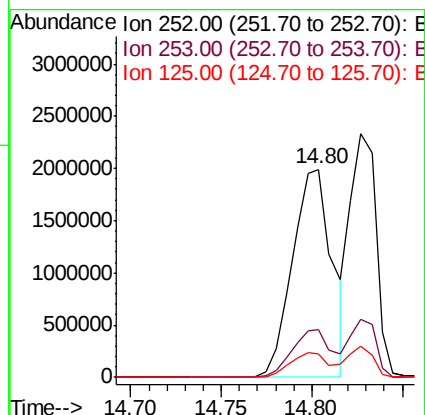
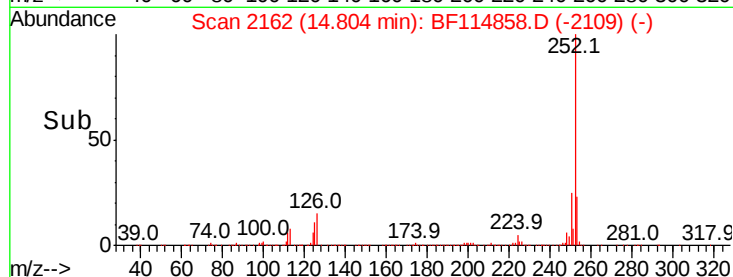
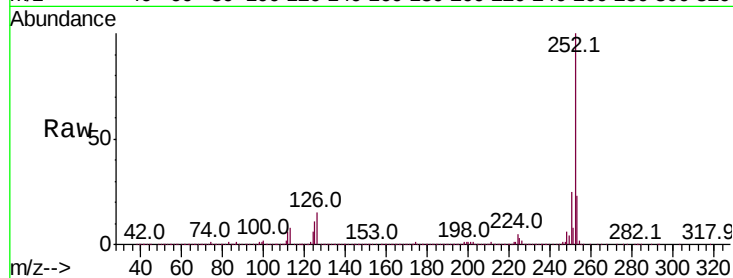




#88
Benzo(b)fluoranthene
Concen: 44.887 ng
RT: 14.80 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

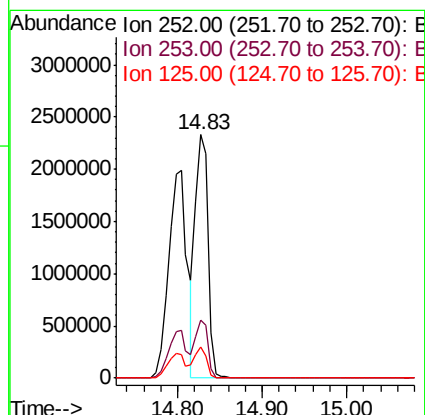
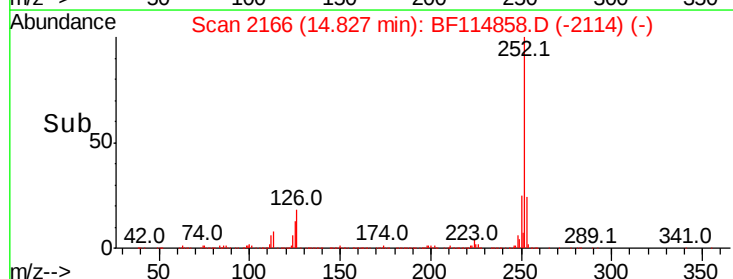
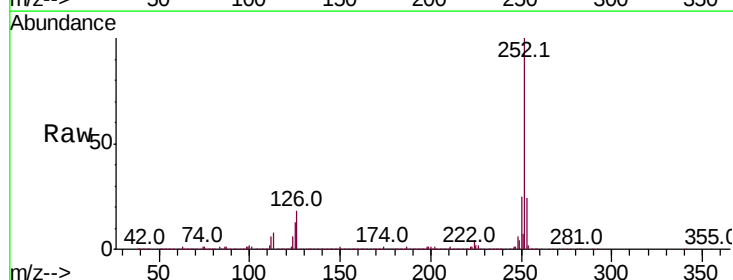
Instrument :
BNA_F
ClientSampleId :
IRONBOUND-TPMSD

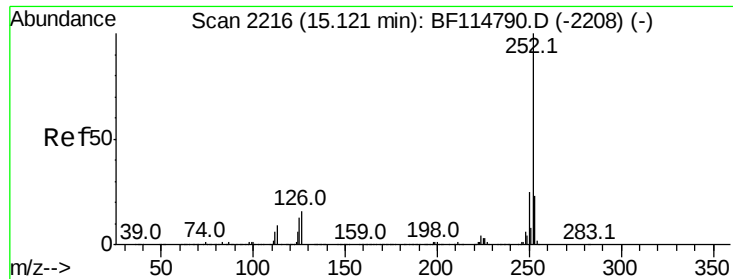
Tot Ion:252 Resp: 3043358
Ion Ratio Lower Upper
252 100
253 23.1 19.0 28.6
125 11.5 9.4 14.0



#89
Benzo(k)fluoranthene
Concen: 41.274 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF114858.D
Acq: 6 Jun 2019 13:03

Tgt Ion:252 Resp: 2376396
Ion Ratio Lower Upper
252 100
253 23.8 19.3 28.9
125 12.7 10.1 15.1





#90

Benzo(a)pyrene

Concen: 44.146 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-TPMSD

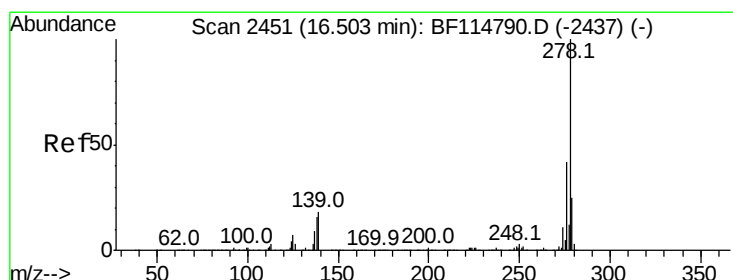
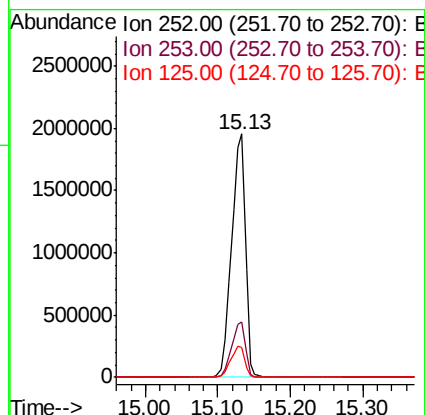
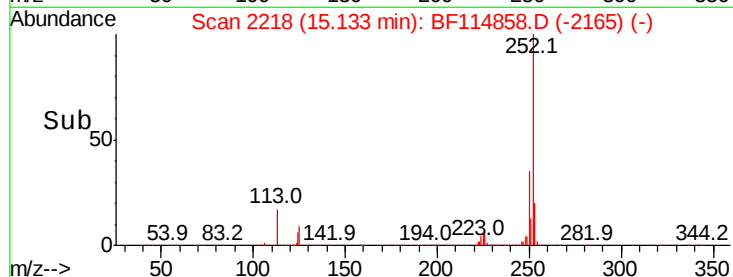
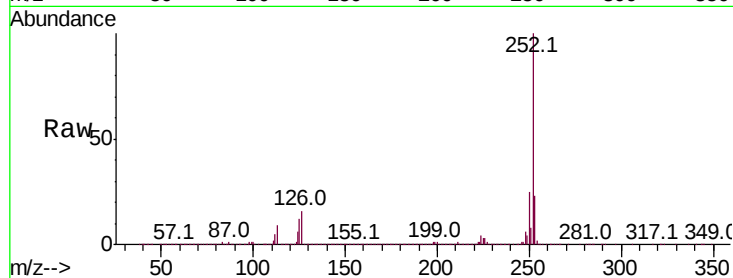
Tot Ion:252 Resp: 2590642

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	12.4	10.1	15.1

252 100

253 23.0 18.5 27.7

125 12.4 10.1 15.1



#91

Dibenzo(a,h)anthracene

Concen: 40.073 ng

RT: 16.52 min Scan# 2454

Delta R.T. 0.02 min

Lab File: BF114858.D

Acq: 6 Jun 2019 13:03

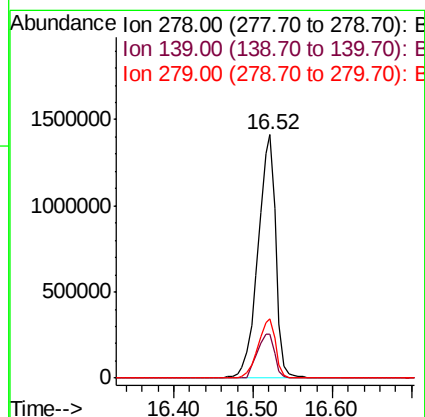
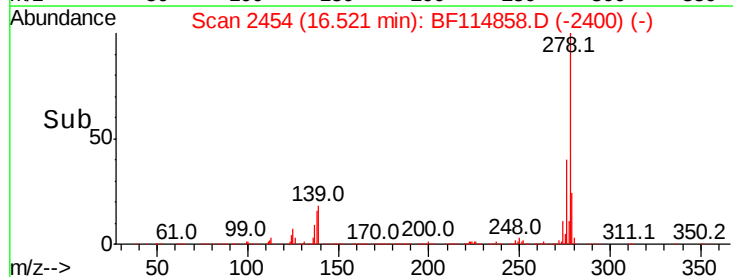
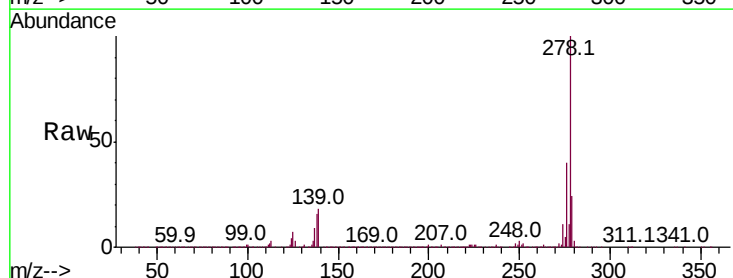
Tgt Ion:278 Resp: 2227026

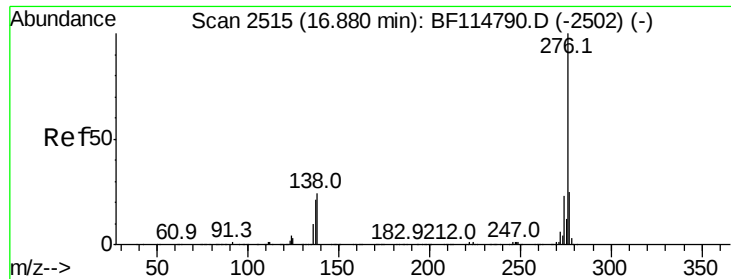
Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	24.4	20.1	30.1

278 100

139 18.3 14.6 22.0

279 24.4 20.1 30.1

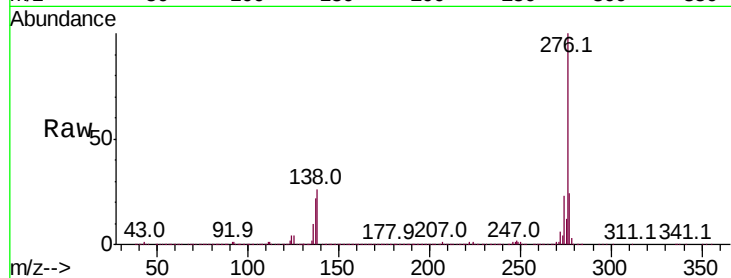




#92
 Benzo(a,h,i)perylene
 Concen: 39.939 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.02 min
 Lab File: BF114858.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-TPMSD

Tot Ion:276 Resp: 2232001
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.8 29.6
 138 25.7 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

