

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
 Data File : BF111236.D
 Acq On : 10 Dec 2018 12:23
 Operator : JU/SJ
 Sample : J6179-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 15:04:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	611723	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2405412	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	1121391	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1884985	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1037927	20.00	ng	0.00
87) Perylene-d12	15.39	264	814292	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	4212235	108.73	ng	0.02
7) Phenol-d6	6.44	99	5473852	113.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	3604493	84.05	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	1124037	113.16	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	5247173	79.86	ng	0.00
79) Terphenyl-d14	12.91	244	4338467	100.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.61	88	673289	33.873	ng	98
3) Pyridine	3.35	79	1595161	30.208	ng	98
4) n-Nitrosodimethylamine	3.28	42	971931	43.169	ng	98
6) Aniline	6.47	93	1614942	25.159	ng	98
8) 2-Chlorophenol	6.59	128	1755228	39.860	ng	98
9) Benzaldehyde	6.35	77	926237	31.021	ng	98
10) Phenol	6.45	94	2320903	41.229	ng	96
11) bis(2-Chloroethyl)ether	6.54	93	1739702	39.959	ng	97
12) 1,3-Dichlorobenzene	6.75	146	1801830	38.082	ng	99
13) 1,4-Dichlorobenzene	6.82	146	1838103	38.475	ng	99
14) 1,2-Dichlorobenzene	6.97	146	1695785	38.057	ng	99
15) Benzyl Alcohol	6.95	79	1544279	40.534	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.08	45	3299016	40.473	ng	99
17) 2-Methylphenol	7.06	107	1518414	42.236	ng	99
18) Hexachloroethane	7.32	117	711286	39.105	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	1257645	38.996	ng	98
20) 3+4-Methylphenols	7.21	107	1701530	39.791	ng	96
22) Acetophenone	7.21	105	2307480	41.925	ng	# 99
24) Nitrobenzene	7.38	77	1896680	42.493	ng	98
25) Isophorone	7.63	82	3475621	47.583	ng	98
26) 2-Nitrophenol	7.70	139	954922	43.060	ng	99
27) 2,4-Dimethylphenol	7.74	122	1578099	46.051	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	2219733	43.884	ng	99
29) 2,4-Dichlorophenol	7.94	162	1482437	42.307	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	1435768	41.598	ng	98
31) Naphthalene	8.11	128	4665144	44.438	ng	99
32) Benzoic acid	7.85	122	918369	32.408	ng	99
33) 4-Chloroaniline	8.15	127	896447	17.779	ng	97
34) Hexachlorobutadiene	8.23	225	763286	40.062	ng	98
35) Caprolactam	8.52	113	291516	23.478	ng	96
36) 4-Chloro-3-methylphenol	8.64	107	1575130	43.905	ng	97
37) 2-Methylnaphthalene	8.80	142	3231049	46.357	ng	97
38) 1-Methylnaphthalene	8.90	142	3085940	45.211	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	1160782	37.201	ng	99

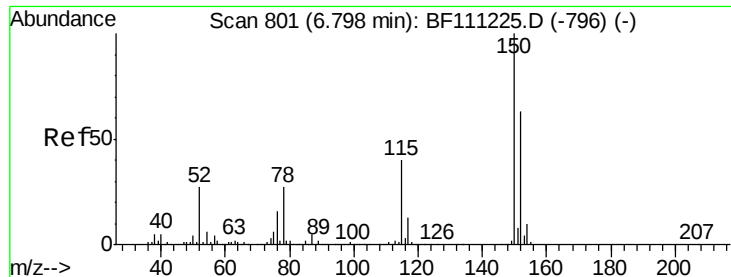
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1276985	71.861	ng	98
43) 2,4,6-Trichlorophenol	9.07	196	961495	41.051	ng	99
44) 2,4,5-Trichlorophenol	9.12	196	1008705	41.342	ng	98
46) 1,1'-Biphenyl	9.26	154	3545017	38.574	ng	99
47) 2-Chloronaphthalene	9.29	162	2907894	39.631	ng	98
48) 2-Nitroaniline	9.38	65	1048101	41.874	ng	91
49) Acenaphthylene	9.70	152	4330413	40.653	ng	98
50) Dimethylphthalate	9.57	163	3550973	42.916	ng	99
51) 2,6-Dinitrotoluene	9.62	165	804517	44.028	ng	89
52) Acenaphthene	9.87	154	2996205	44.822	ng	99
53) 3-Nitroaniline	9.79	138	606090	26.872	ng	96
54) 2,4-Dinitrophenol	9.89	184	652727	90.395	ng	94
55) Dibenzofuran	10.05	168	3823338	42.042	ng	97
56) 4-Nitrophenol	9.96	139	1400712	79.740	ng	94
57) 2,4-Dinitrotoluene	10.03	165	1058884	47.006	ng	98
58) Fluorene	10.39	166	2825861	40.155	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	827727	44.756	ng	99
60) Diethylphthalate	10.27	149	3220281	40.823	ng	99
61) 4-Chlorophenyl-phenylether	10.38	204	1300611	37.223	ng	98
62) 4-Nitroaniline	10.40	138	864189	40.495	ng	99
63) Azobenzene	10.54	77	3332143	40.686	ng	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	445638	40.101	ng	91
66) n-Nitrosodiphenylamine	10.50	169	2695854	42.014	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	840963	40.733	ng	95
68) Hexachlorobenzene	10.94	284	862487	41.066	ng	97
69) Atrazine	11.03	200	850854	43.606	ng	97
70) Pentachlorophenol	11.13	266	992261	65.127	ng	95
71) Phenanthrene	11.35	178	3909871	41.123	ng	100
72) Anthracene	11.40	178	4032909	40.544	ng	98
73) Carbazole	11.55	167	3840481	36.924	ng	98
74) Di-n-butylphthalate	11.89	149	4418703	41.332	ng	100
75) Fluoranthene	12.53	202	3836157	44.169	ng	95
77) Benzidine	12.65	184	233018	7.561	ng	95
78) Pyrene	12.76	202	3846808	51.864	ng	99
80) Butylbenzylphthalate	13.39	149	1825554	47.122	ng	94
81) Benzo(a)anthracene	13.94	228	2603248	44.957	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	595664	25.098	ng	99
83) Chrysene	13.99	228	2667043	44.677	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	2009771	43.658	ng	99
85) Di-n-octyl phthalate	14.56	149	3220662	41.741	ng	99
86) Indeno(1,2,3-cd)pyrene	16.81	276	2179400	45.227	ng	98
88) Benzo(b)fluoranthene	14.98	252	2109434	46.843	ng	99
89) Benzo(k)fluoranthene	15.01	252	2086025	49.270	ng	99
90) Benzo(a)pyrene	15.33	252	2043962	49.289	ng	99
91) Dibenzo(a,h)anthracene	16.83	278	1866892	57.317	ng	97
92) Benzo(g,h,i)perylene	17.24	276	2161260	66.285	ng	96

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

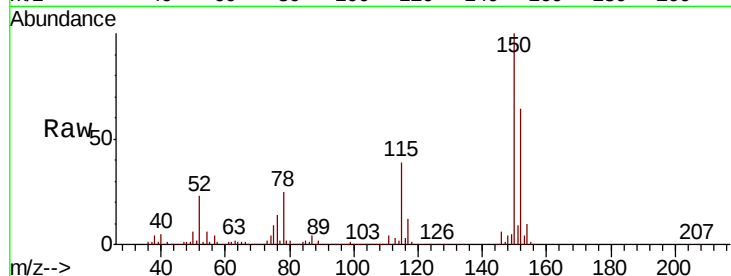


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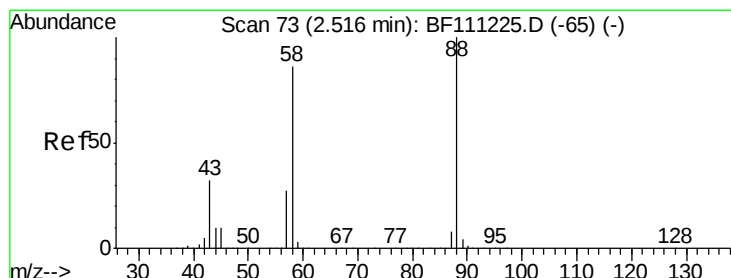
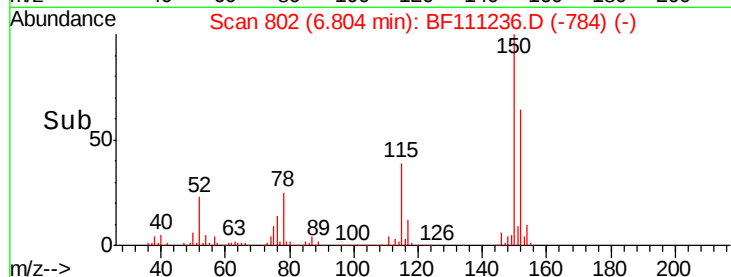
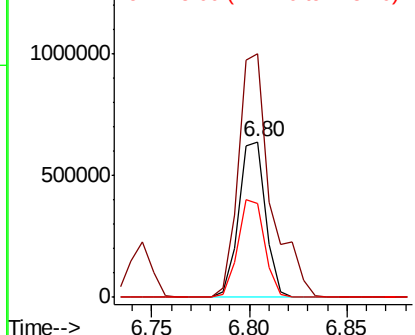
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 611723
Ion Ratio Lower Upper
152 100
150 156.4 126.6 189.8
115 60.7 50.7 76.1



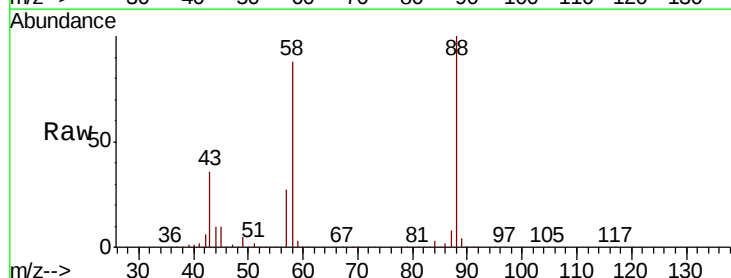
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



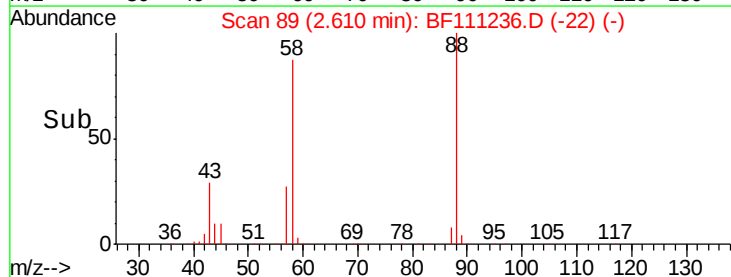
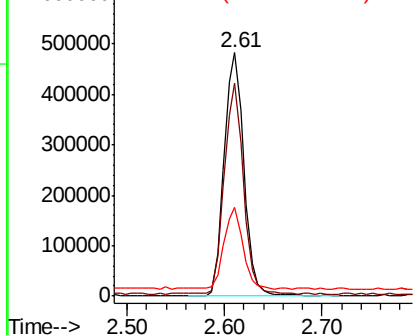
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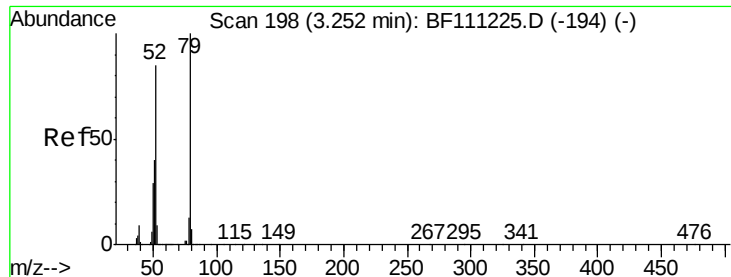
1,4-Dioxane
Concen: 33.873 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.09 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion: 88 Resp: 673289
Ion Ratio Lower Upper
88 100
58 83.7 68.9 103.3
43 32.2 25.8 38.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 30.208 ng

RT: 3.35 min Scan# 214

Delta R.T. 0.09 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

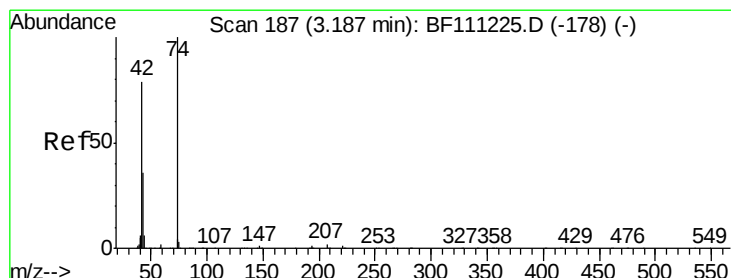
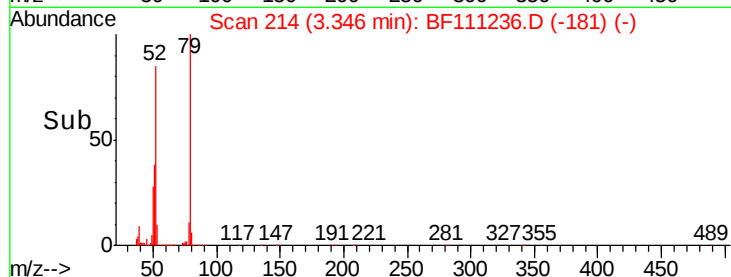
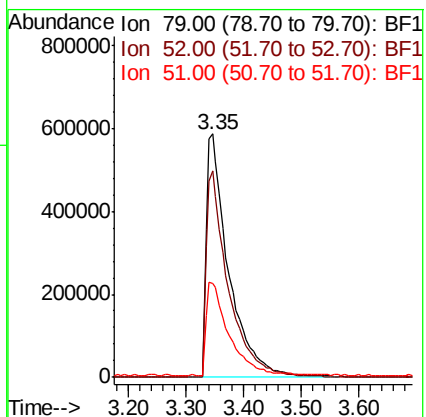
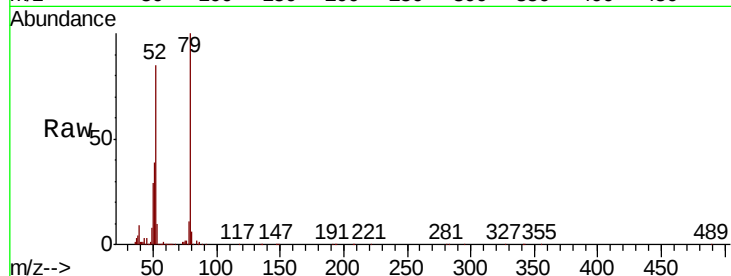
Tot Ion: 79 Resp: 1595161

Ion Ratio Lower Upper

79 100

52 84.7 68.3 102.5

51 38.7 32.6 49.0



#4

n-Nitrosodimethylamine

Concen: 43.169 ng

RT: 3.28 min Scan# 202

Delta R.T. 0.09 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

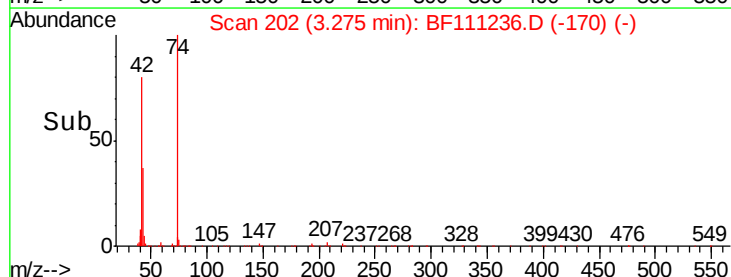
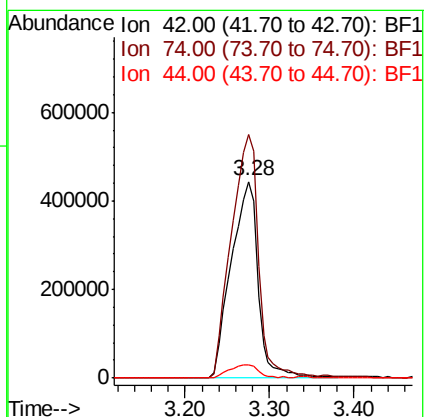
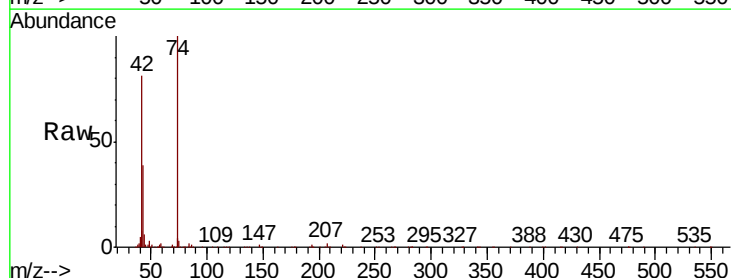
Tgt Ion: 42 Resp: 971931

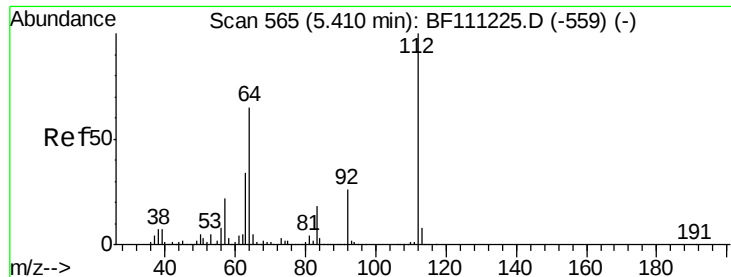
Ion Ratio Lower Upper

42 100

74 124.0 101.5 152.3

44 6.9 6.0 9.0





#5

2-Fluorophenol

Concen: 108.732 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

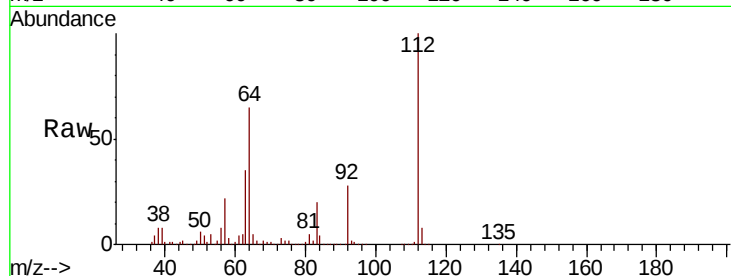
Tot Ion:112 Resp: 4212235

Ion Ratio Lower Upper

112 100

64 65.3 51.8 77.6

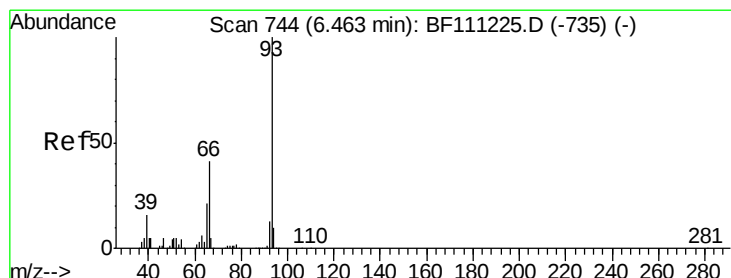
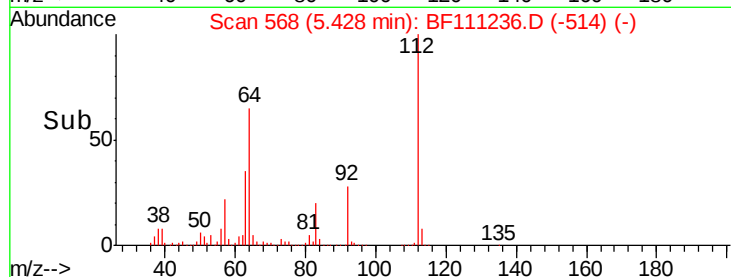
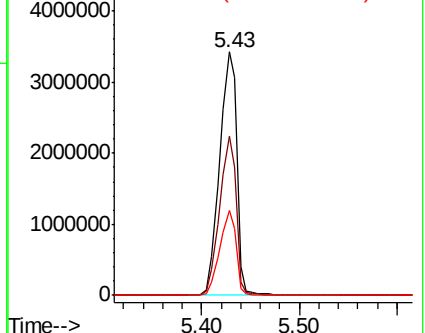
63 35.0 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.159 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

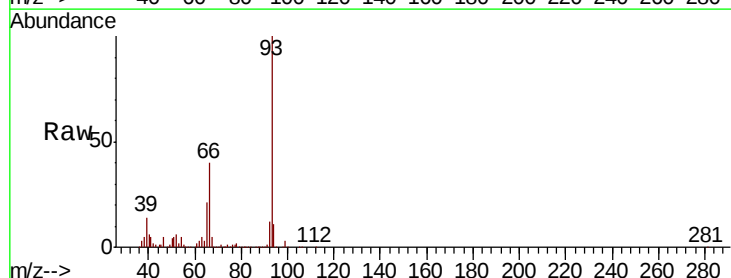
Tgt Ion: 93 Resp: 1614942

Ion Ratio Lower Upper

93 100

66 39.6 33.2 49.8

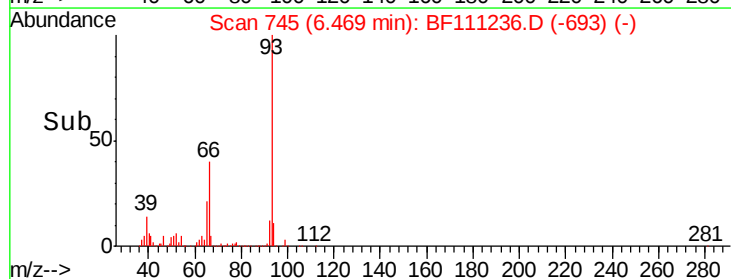
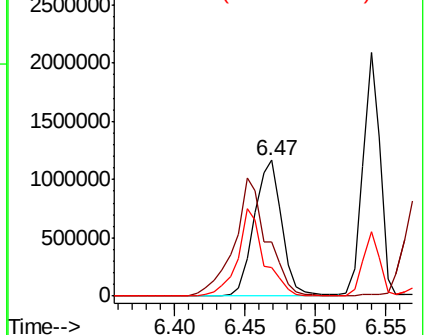
65 20.6 17.0 25.4

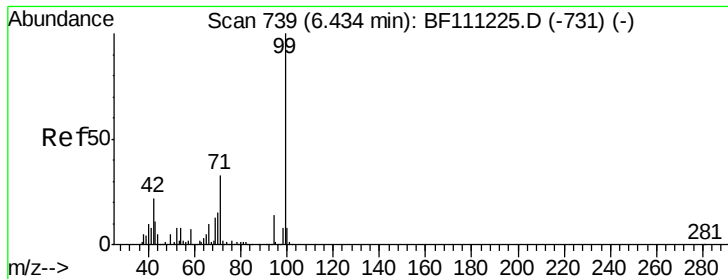


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.699 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

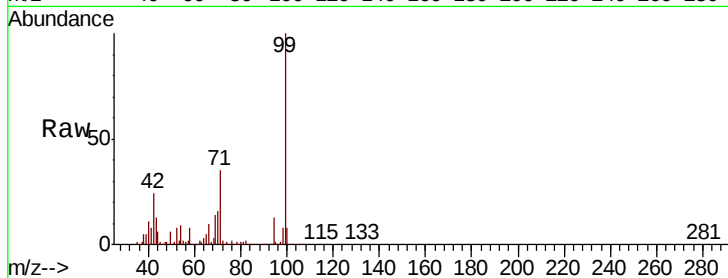
Tot Ion: 99 Resp: 5473852

Ion Ratio Lower Upper

99 100

42 23.6 17.4 26.0

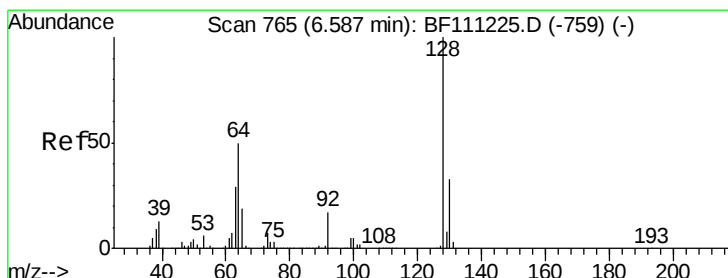
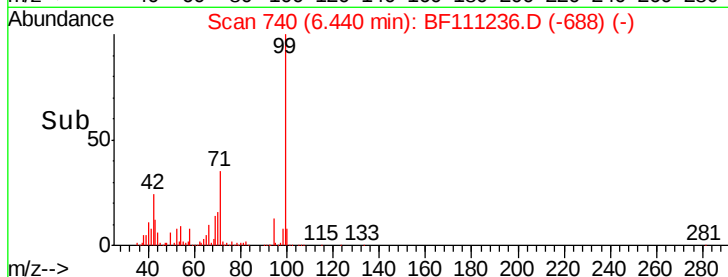
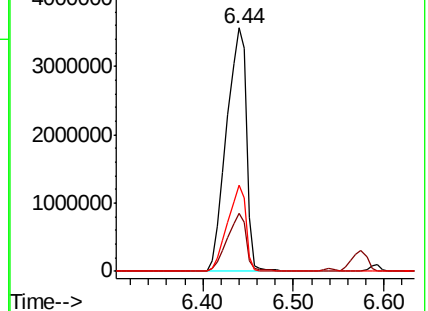
71 35.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.860 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

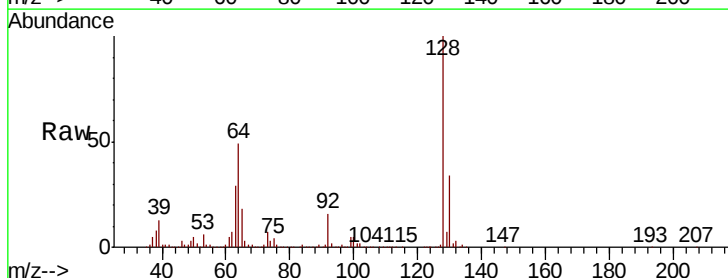
Tgt Ion:128 Resp: 1755228

Ion Ratio Lower Upper

128 100

130 34.1 12.7 52.7

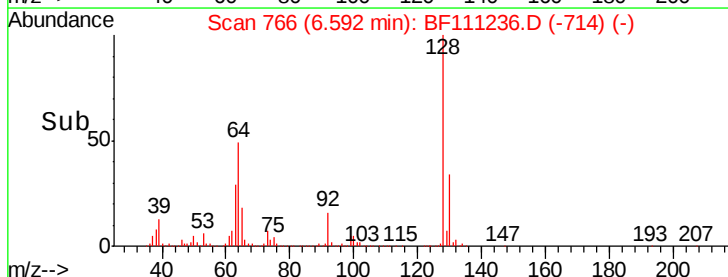
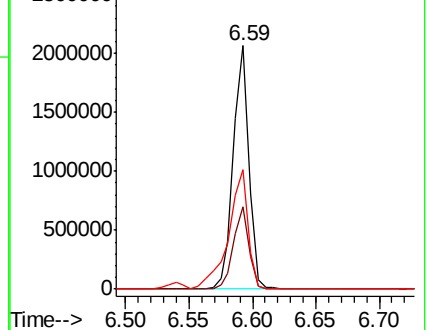
64 49.0 30.0 70.0

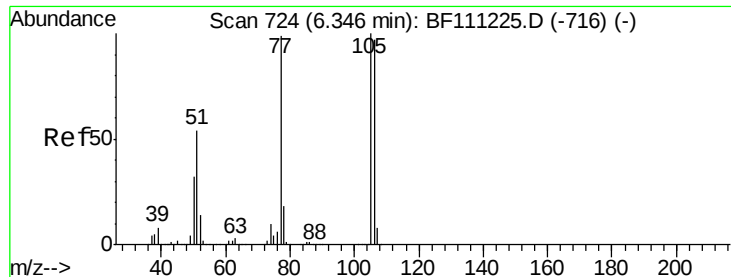


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 31.021 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

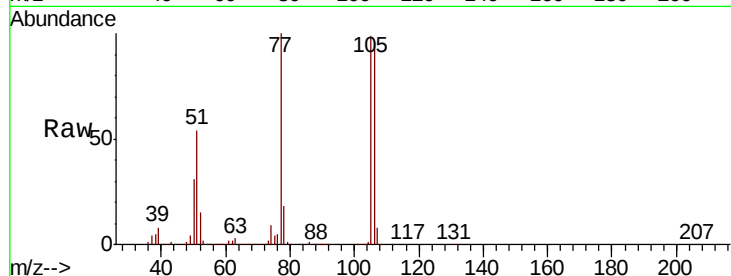
Tot Ion: 77 Resp: 926237

Ion Ratio Lower Upper

77 100

105 99.0 81.4 121.4

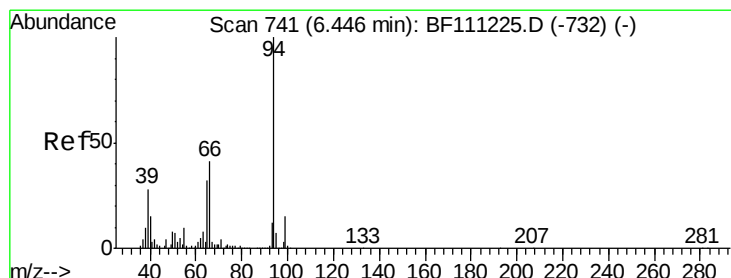
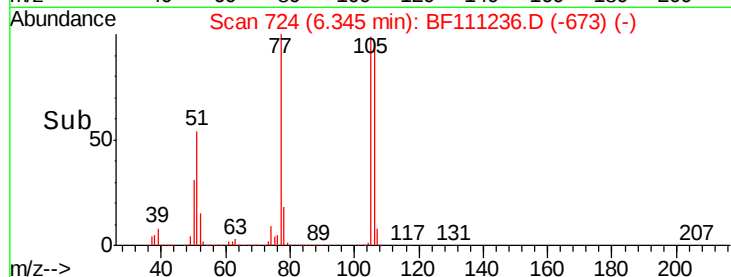
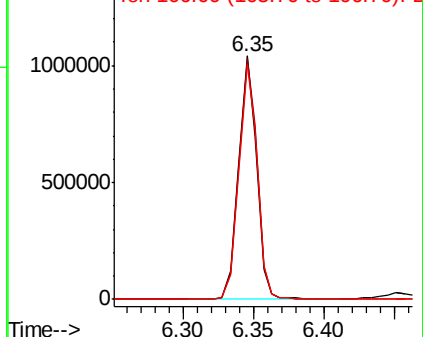
106 96.2 77.9 117.9



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: 41.229 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

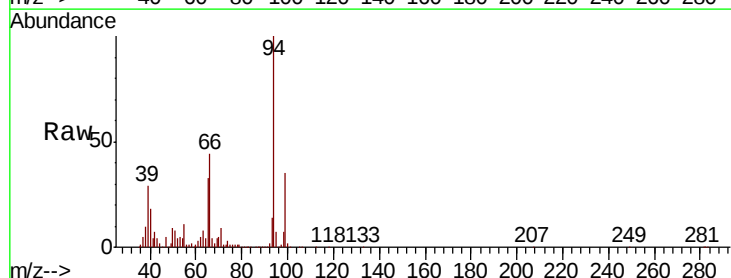
Tgt Ion: 94 Resp: 2320903

Ion Ratio Lower Upper

94 100

65 32.6 11.7 51.7

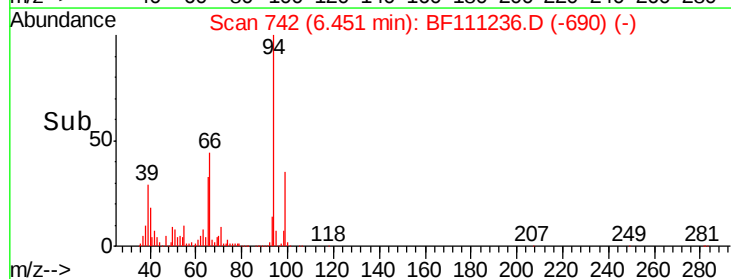
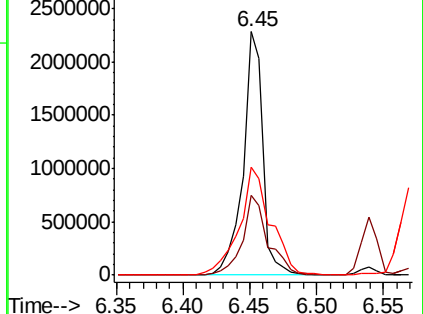
66 44.2 21.0 61.0

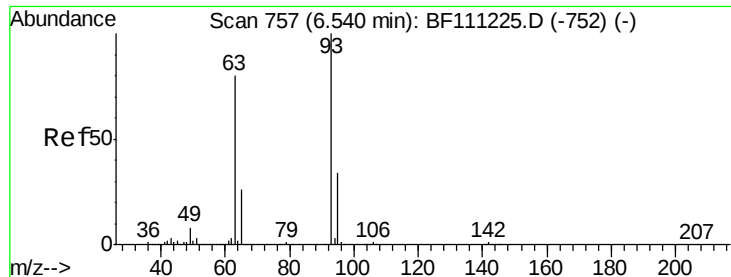


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



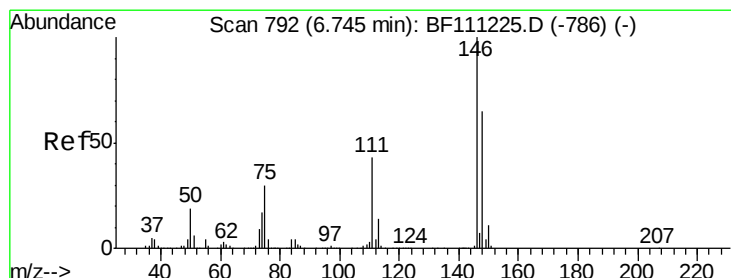
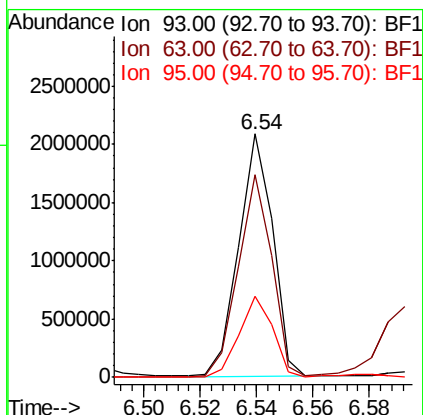
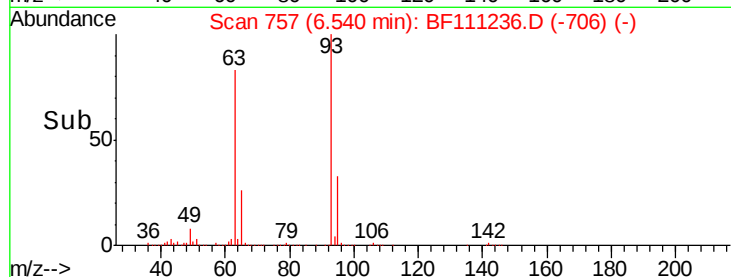
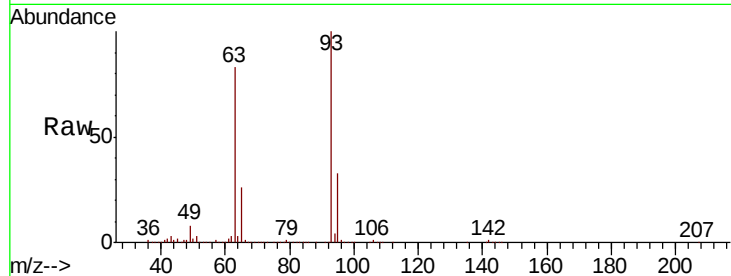


#11
bis(2-Chloroethyl)ether
Concen: 39.959 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 1739702

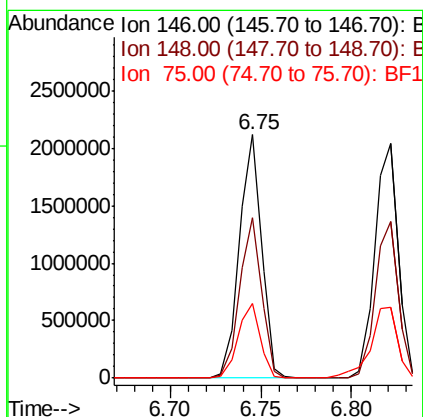
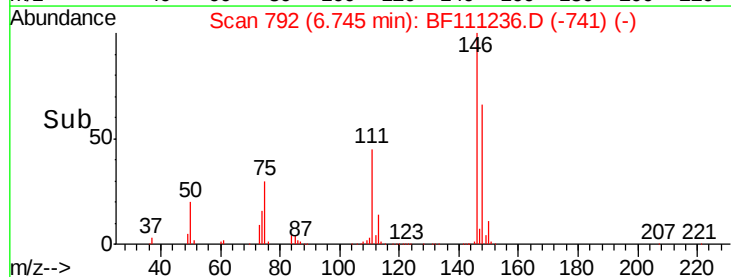
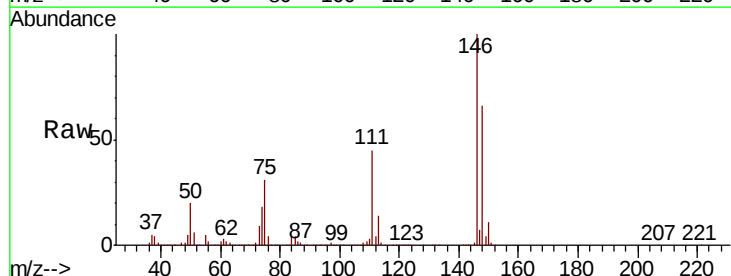
Ion	Ratio	Lower	Upper
93	100		
63	83.3	60.0	100.0
95	33.2	13.4	53.4

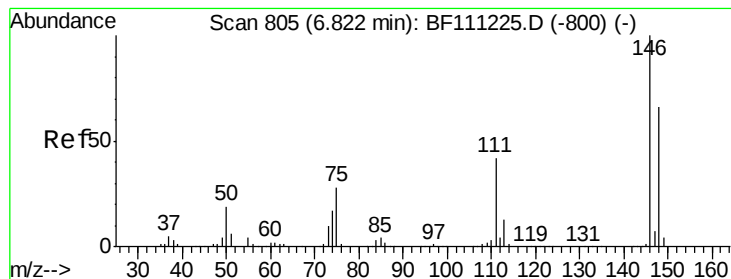


#12
1,3-Dichlorobenzene
Concen: 38.082 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion: 146 Resp: 1801830

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.1	78.1
75	30.6	23.9	35.9

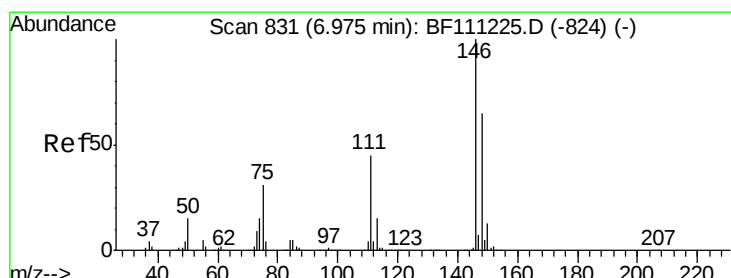
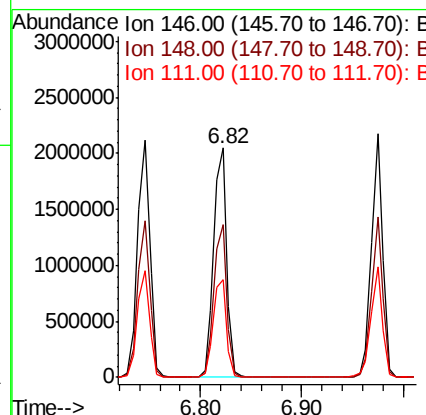
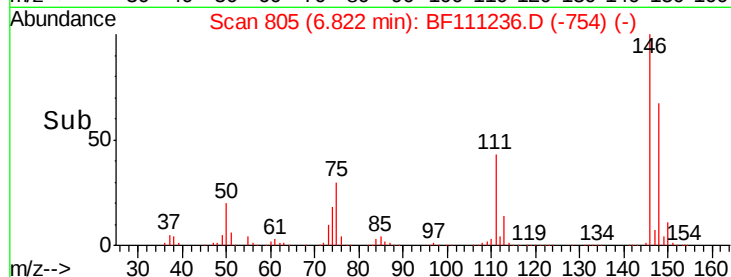
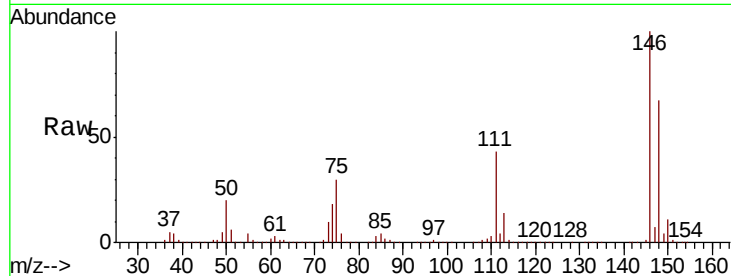




#13
 1,4-Dichlorobenzene
 Concen: 38.475 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

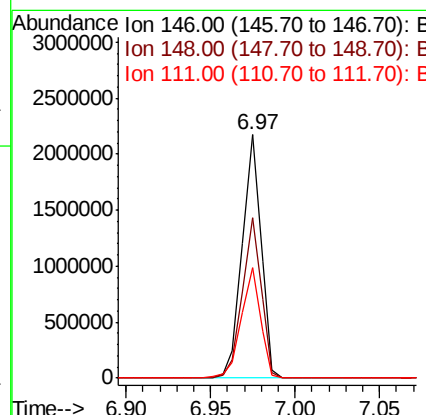
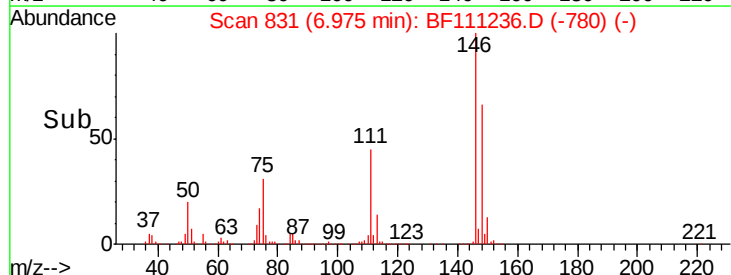
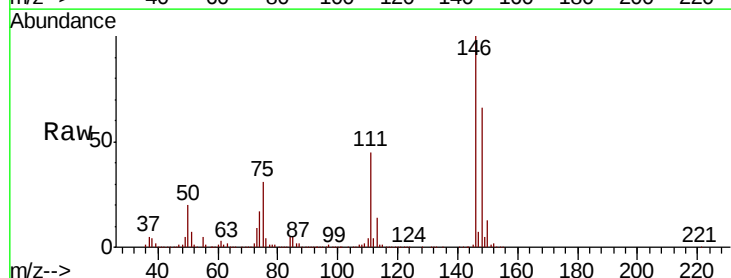
Instrument :
 BNA_F
 ClientSampleId :

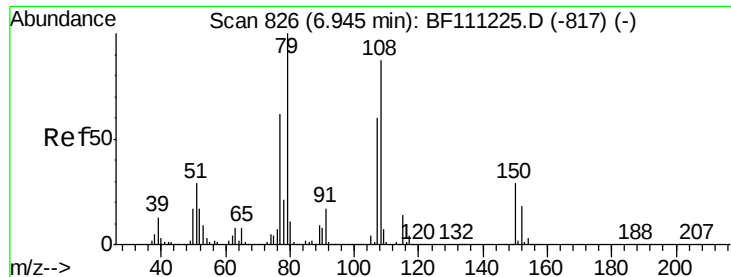
Tot Ion:146 Resp: 1838103
 Ion Ratio Lower Upper
 146 100
 148 66.6 52.8 79.2
 111 42.6 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 38.057 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion:146 Resp: 1695785
 Ion Ratio Lower Upper
 146 100
 148 65.7 51.9 77.9
 111 45.5 36.2 54.4





#15

Benzyl Alcohol

Concen: 40.534 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

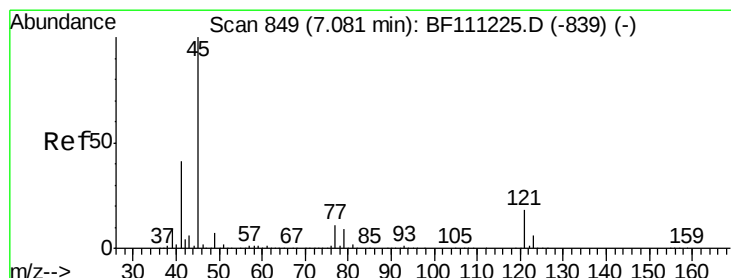
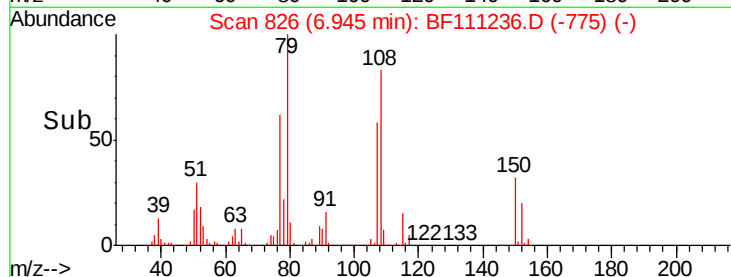
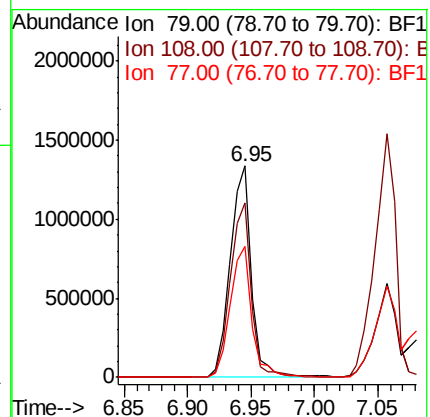
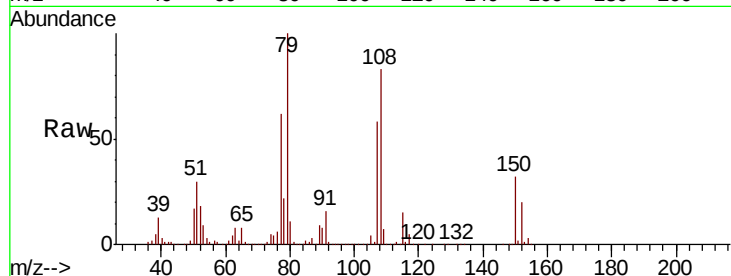
Tot Ion: 79 Resp: 1544279

Ion Ratio Lower Upper

79 100

108 82.8 69.4 104.2

77 62.0 49.7 74.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.473 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

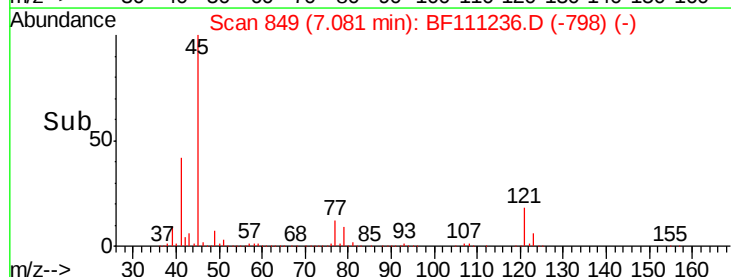
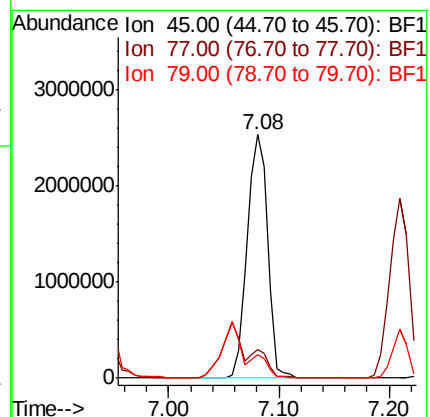
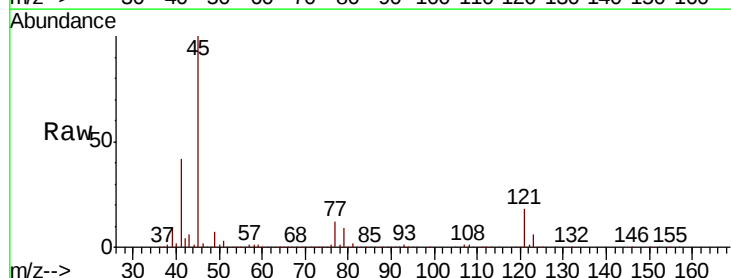
Tgt Ion: 45 Resp: 3299016

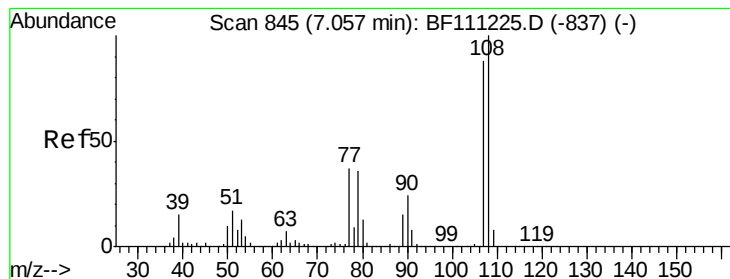
Ion Ratio Lower Upper

45 100

77 11.7 0.0 31.5

79 9.4 0.0 28.9

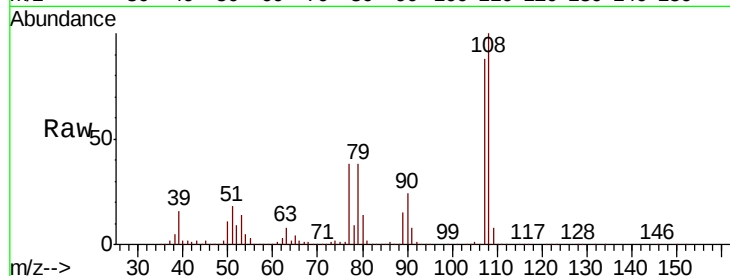




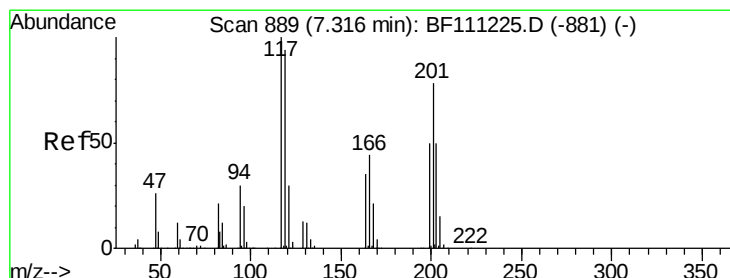
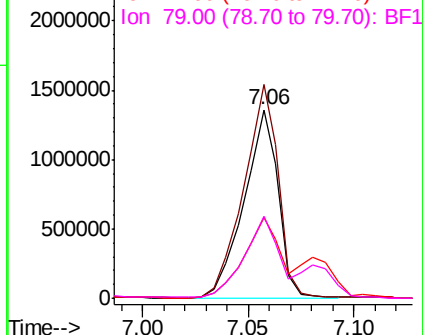
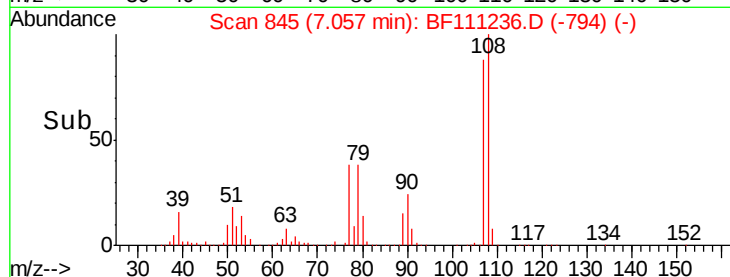
#17
2-Methylphenol
Concen: 42.236 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 1518414
Ion Ratio Lower Upper
107 100
108 113.3 91.0 136.4
77 42.7 33.5 50.3
79 43.5 33.3 49.9

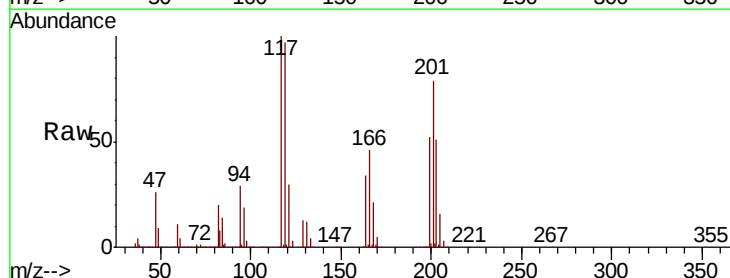


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

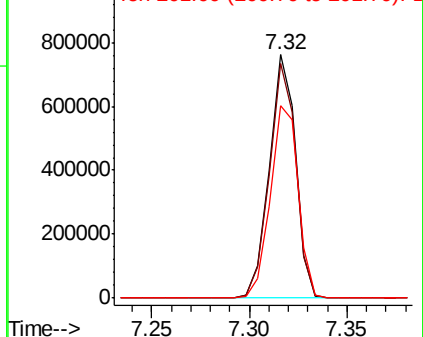
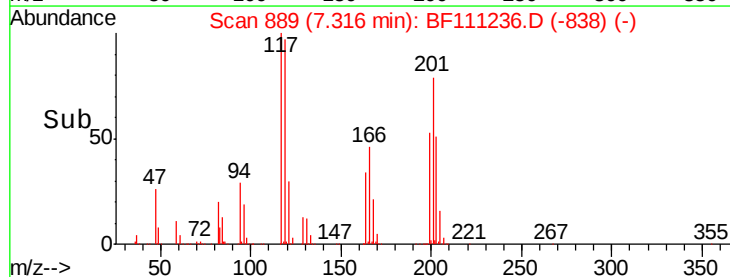


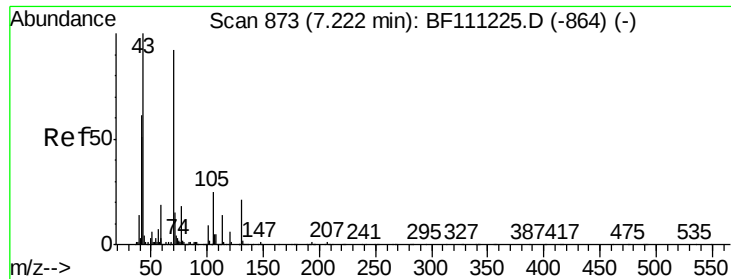
#18
Hexachloroethane
Concen: 39.105 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:117 Resp: 711286
Ion Ratio Lower Upper
117 100
119 96.6 75.4 113.0
201 79.3 62.4 93.6



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

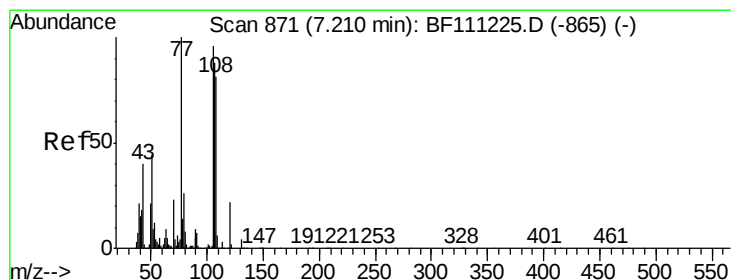
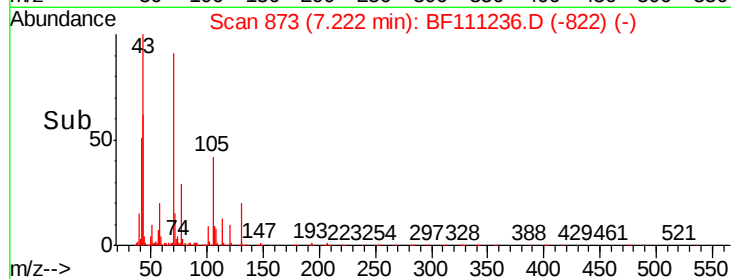
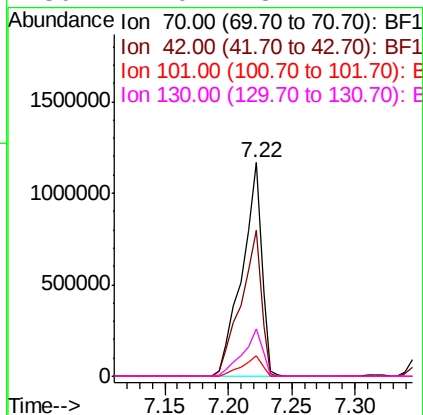
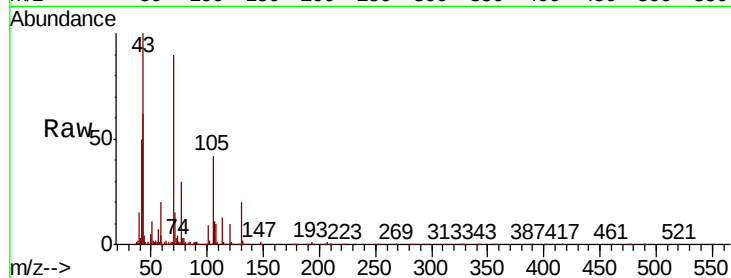




#19
n-Nitroso-di-n-propylamine
Concen: 38.996 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

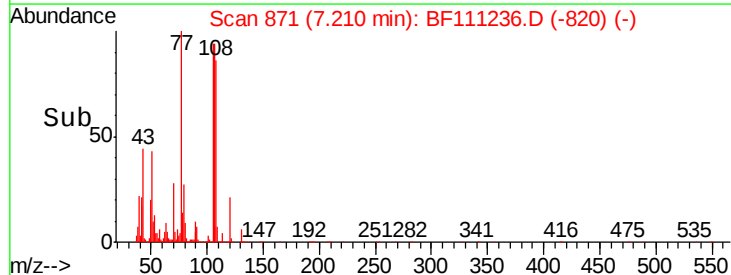
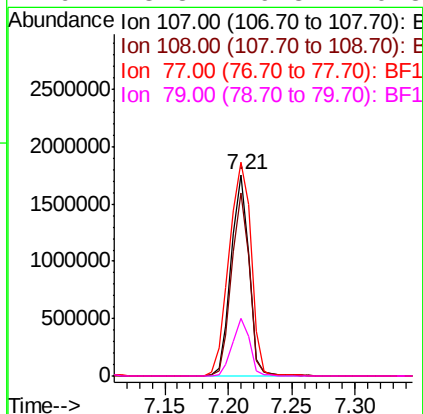
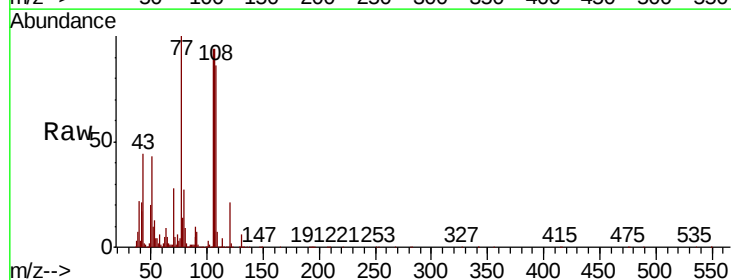
Instrument :
BNA_F
ClientSampleId :

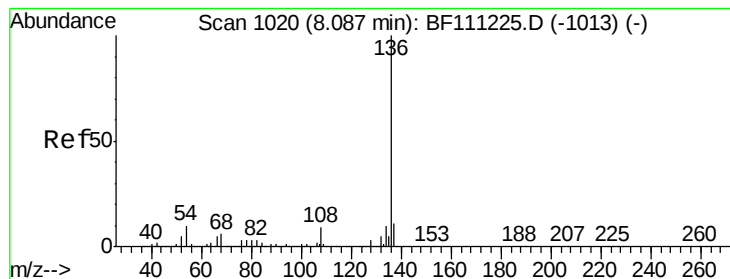
Tot Ion: 70 Resp: 1257645
Ion Ratio Lower Upper
70 100
42 68.5 53.2 79.8
101 9.4 8.2 12.4
130 22.0 18.1 27.1



#20
3+4-Methylphenols
Concen: 39.791 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion: 107 Resp: 1701530
Ion Ratio Lower Upper
107 100
108 90.8 72.1 112.1
77 106.0 94.1 134.1
79 28.8 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 2405412

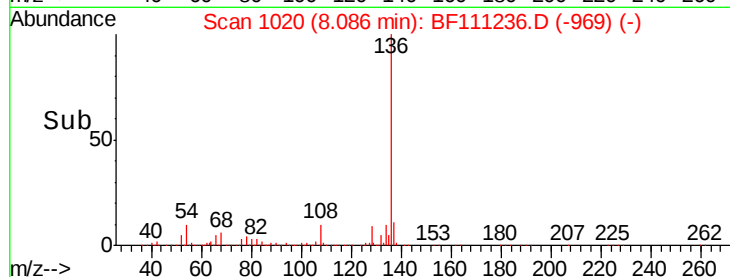
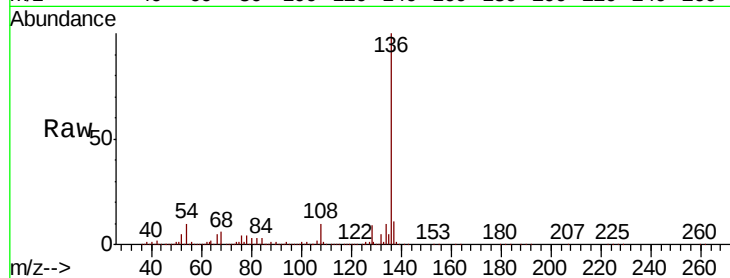
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.6 7.7 11.5

68 6.3 4.9 7.3

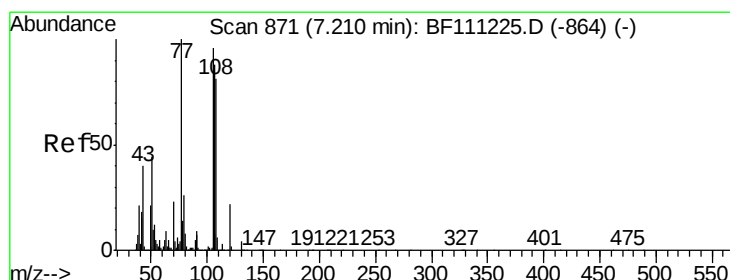
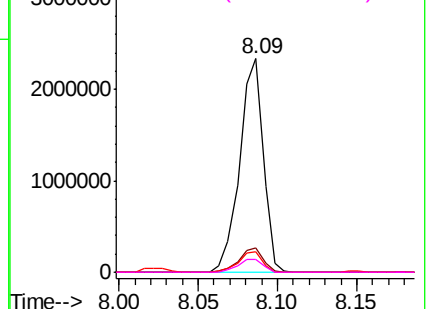


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.925 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Tgt Ion:105 Resp: 2307480

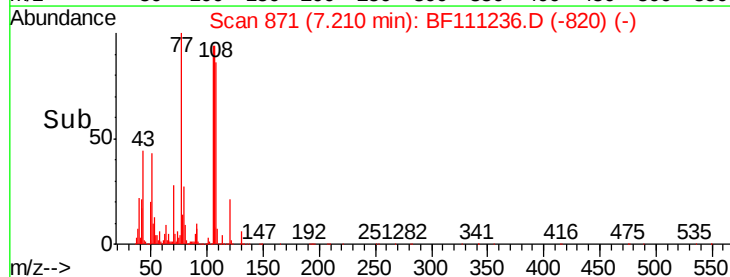
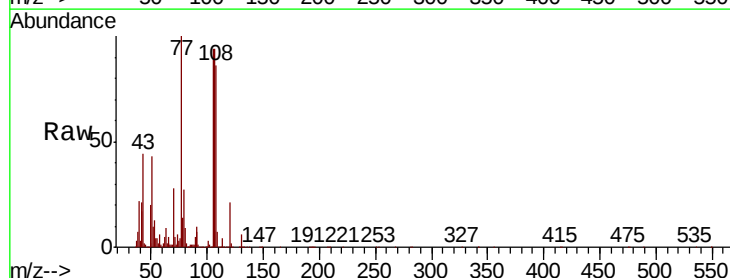
Ion Ratio Lower Upper

105 100

71 5.0 3.1 4.7#

51 45.3 36.6 54.8

120 22.8 18.2 27.4

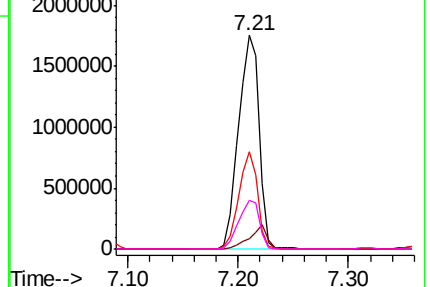


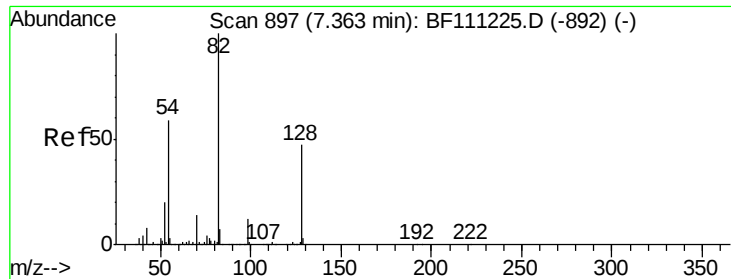
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

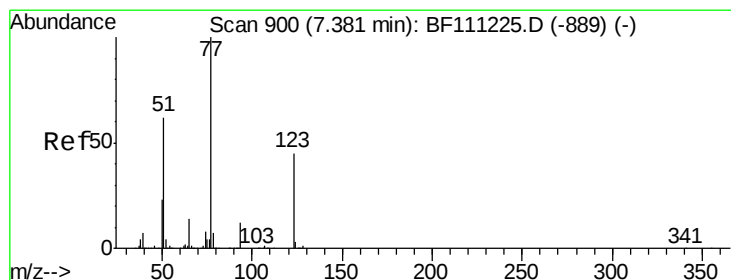
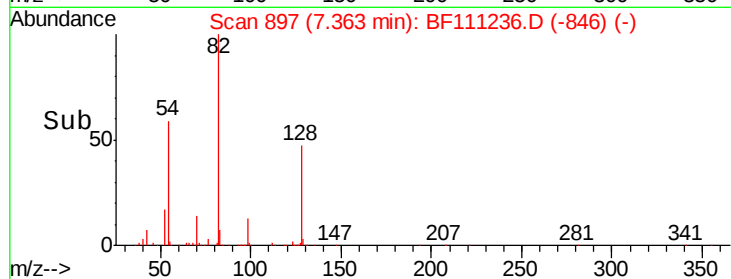
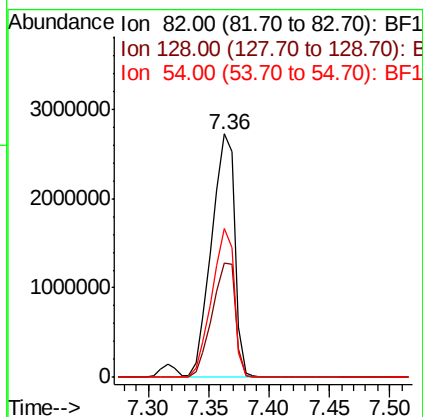
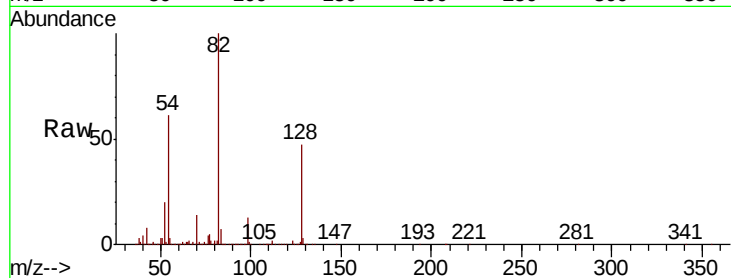




#23
 Nitrobenzene-d5
 Concen: 84.048 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

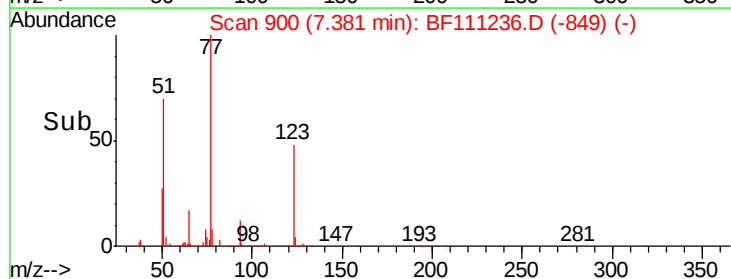
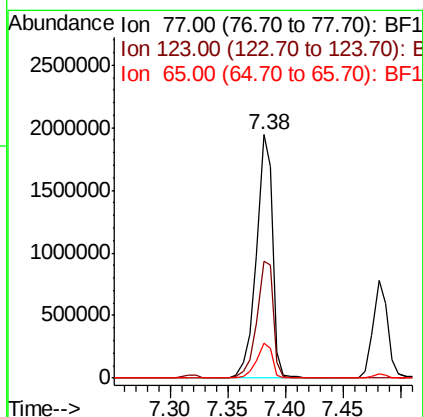
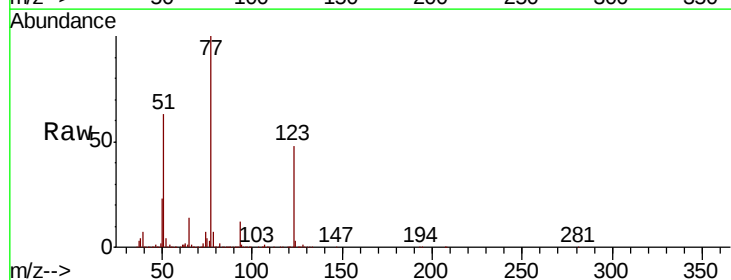
Instrument :
 BNA_F
 ClientSampleId :

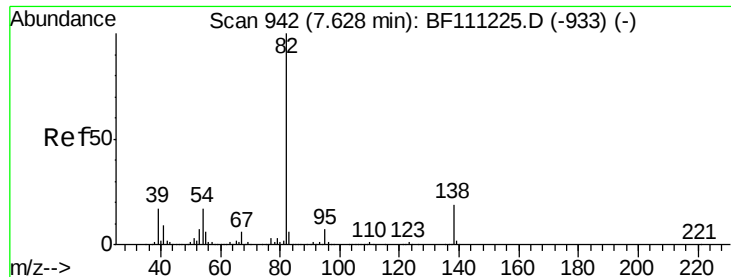
Tot Ion: 82 Resp: 3604493
 Ion Ratio Lower Upper
 82 100
 128 47.1 37.4 56.2
 54 61.0 47.6 71.4



#24
 Nitrobenzene
 Concen: 42.493 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion: 77 Resp: 1896680
 Ion Ratio Lower Upper
 77 100
 123 48.0 37.2 55.8
 65 14.3 11.5 17.3

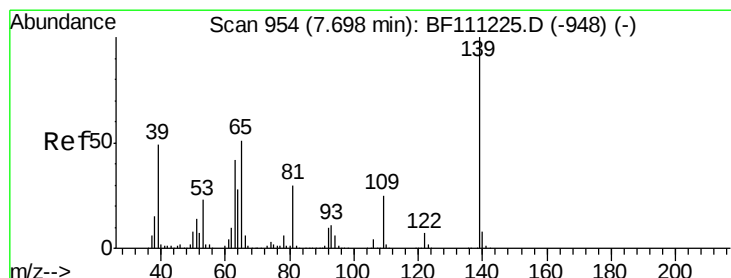
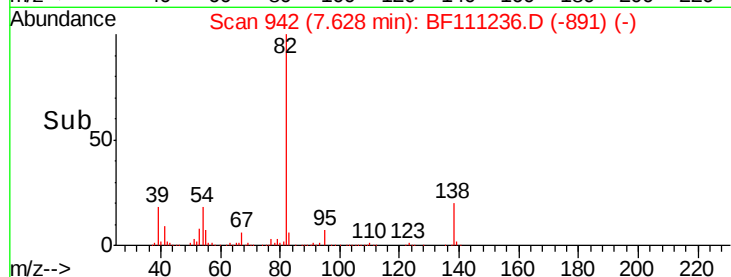
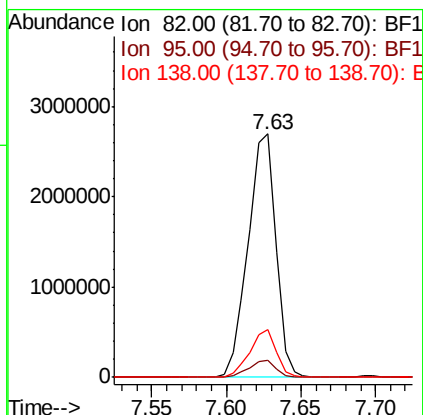
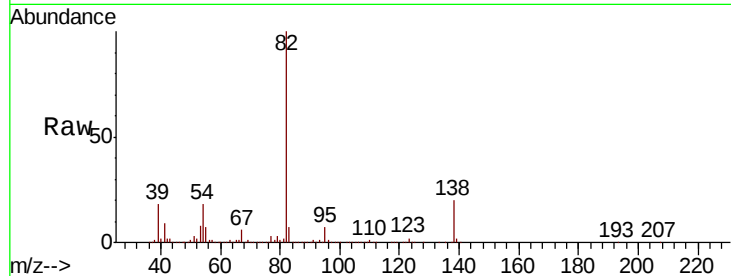




#25
Isophorone
Concen: 47.583 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

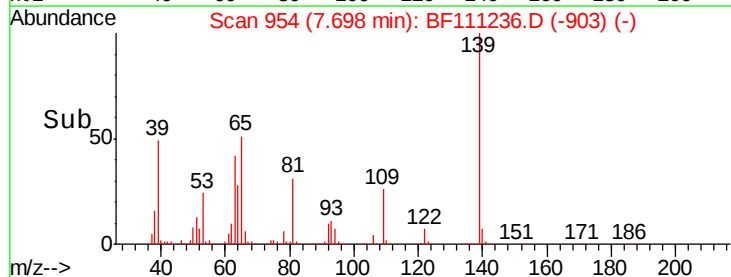
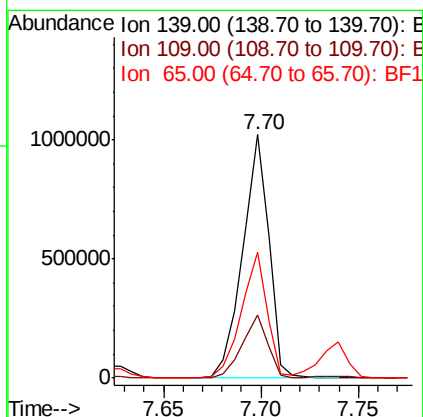
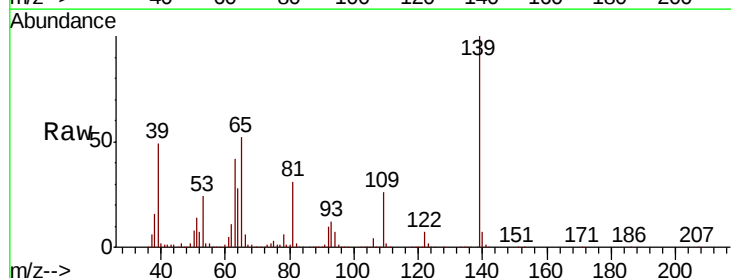
Instrument :
BNA_F
ClientSampleId :

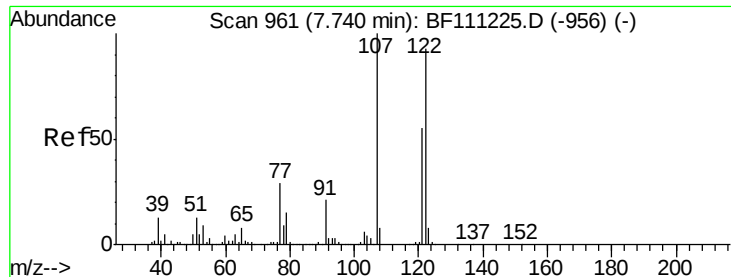
Tot Ion: 82 Resp: 3475621
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 19.9 15.1 22.7



#26
2-Nitrophenol
Concen: 43.060 ng
RT: 7.70 min Scan# 954
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion: 139 Resp: 954922
Ion Ratio Lower Upper
139 100
109 26.0 20.2 30.4
65 51.6 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 46.051 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

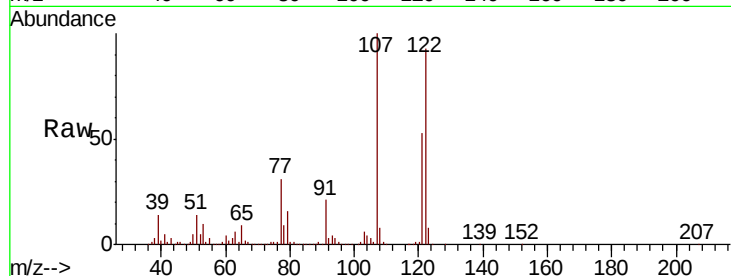
Tot Ion:122 Resp: 1578099

Ion Ratio Lower Upper

122 100

107 108.0 85.5 128.3

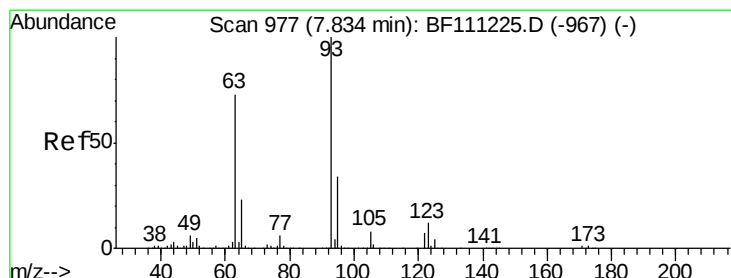
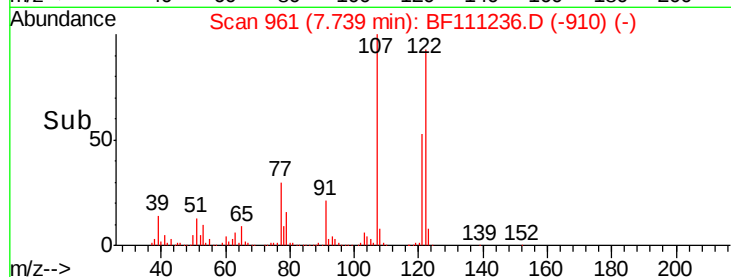
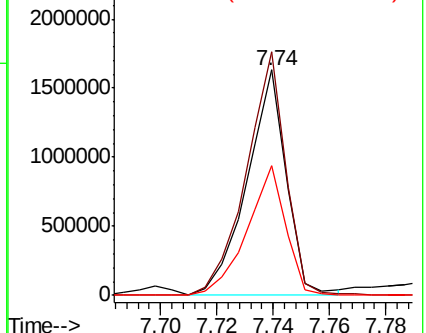
121 57.3 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.884 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

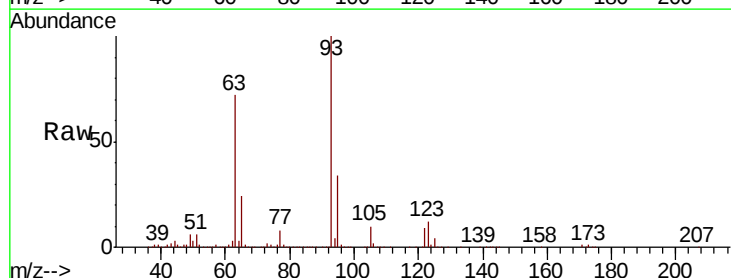
Tgt Ion: 93 Resp: 2219733

Ion Ratio Lower Upper

93 100

95 34.1 27.1 40.7

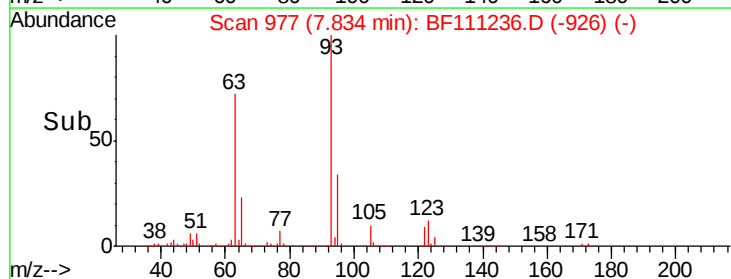
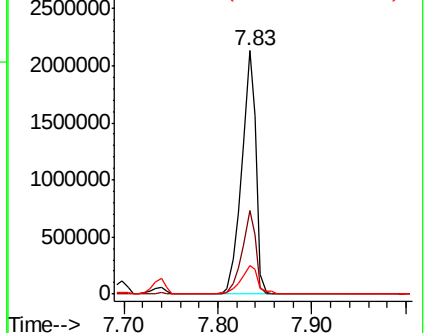
123 12.0 9.9 14.9

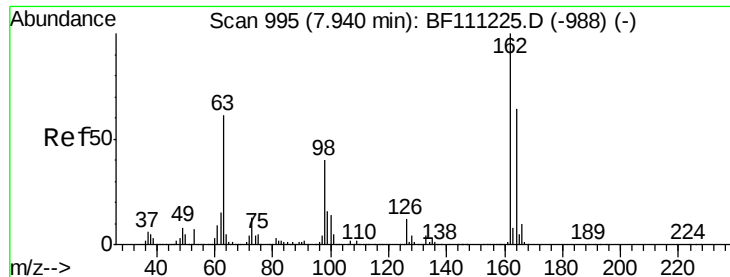


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E



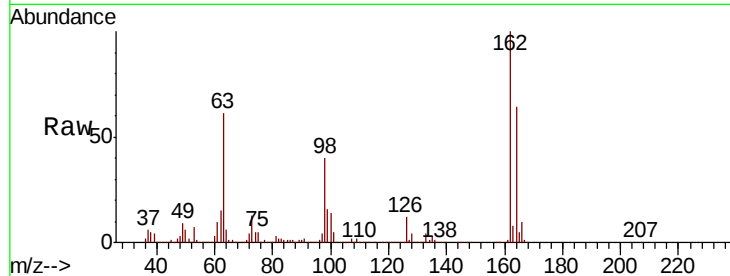


#29
 2,4-Dichlorophenol
 Concen: 42.307 ng
 RT: 7.94 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

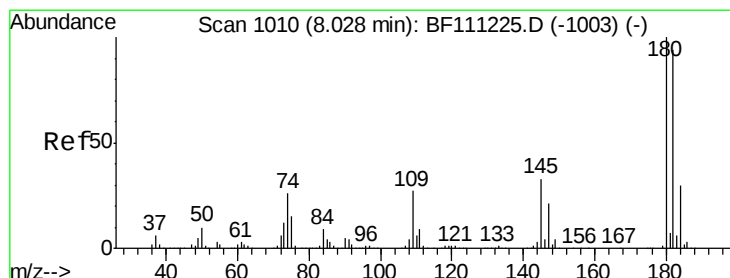
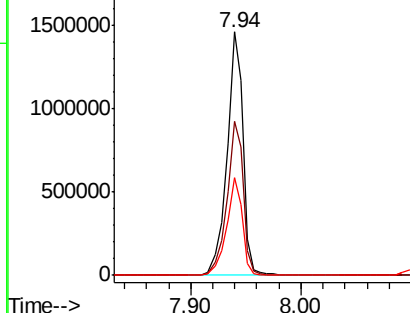
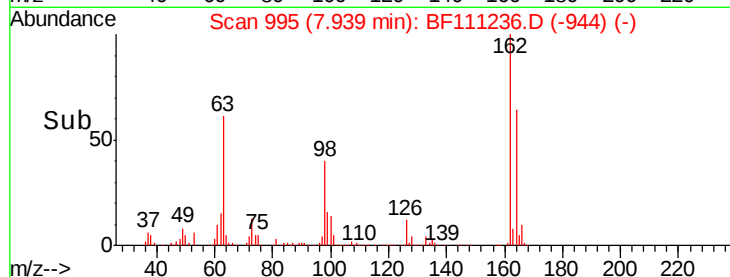
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 1482437

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.4	84.4
98	40.3	20.3	60.3



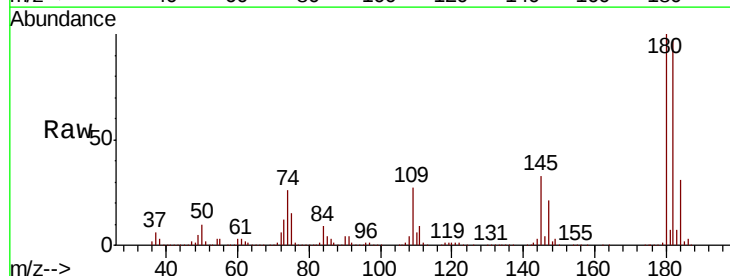
Abundance Ion 162.00 (161.70 to 162.70): E
 2000000 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1



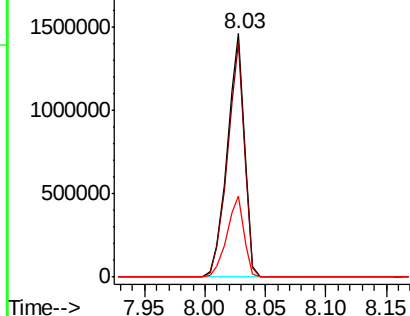
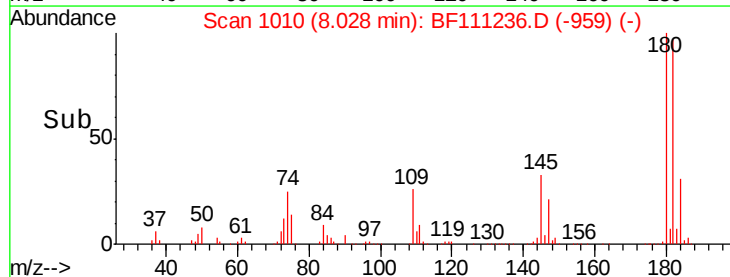
#30
 1,2,4-Trichlorobenzene
 Concen: 41.598 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

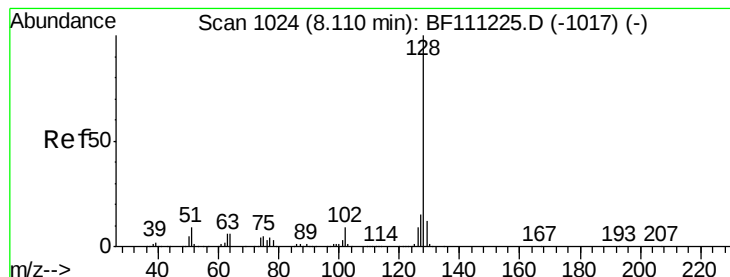
Tgt Ion:180 Resp: 1435768

Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.6	113.4
145	33.1	26.7	40.1



Abundance Ion 180.00 (179.70 to 180.70): E
 2000000 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.438 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

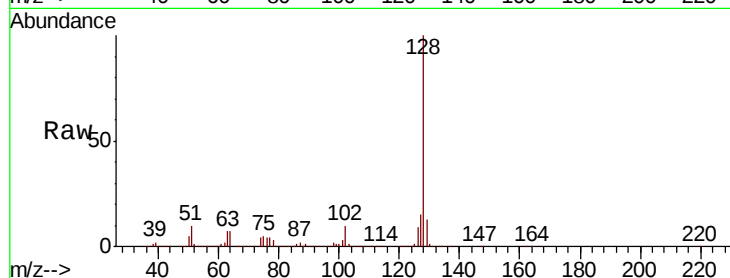
Tot Ion:128 Resp: 4665144

Ion Ratio Lower Upper

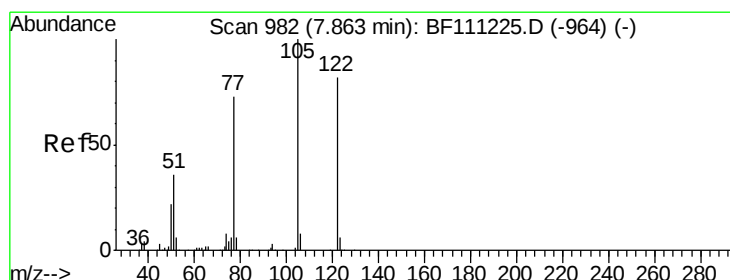
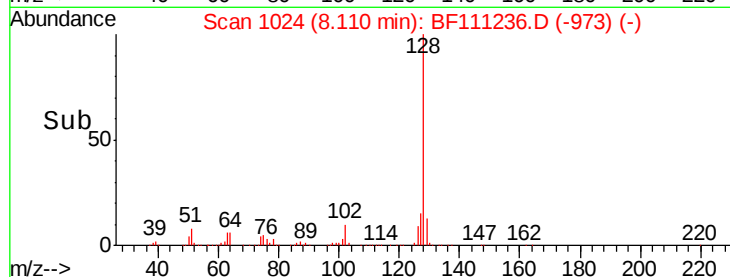
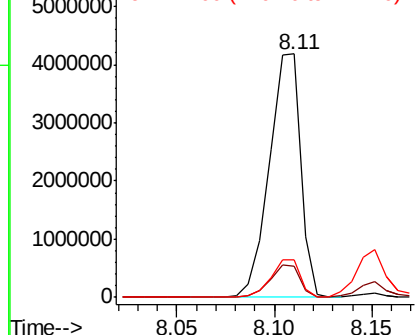
128 100

129 12.8 9.8 14.8

127 15.3 12.0 18.0



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: 32.408 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

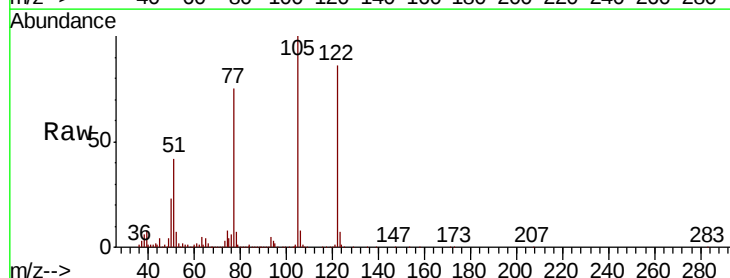
Tgt Ion:122 Resp: 918369

Ion Ratio Lower Upper

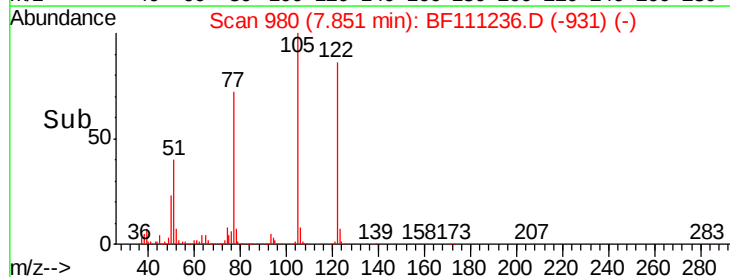
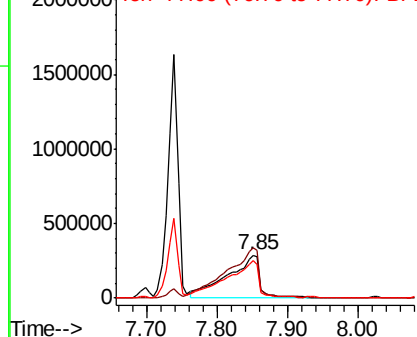
122 100

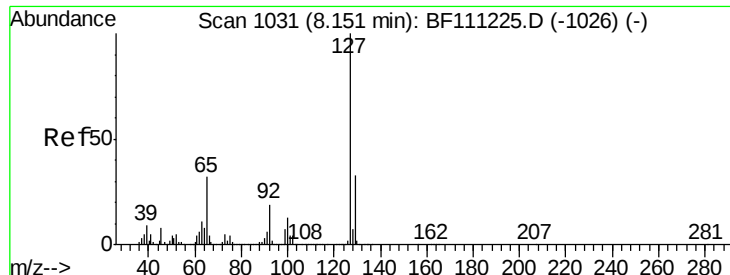
105 116.2 97.0 137.0

77 87.1 65.7 105.7



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

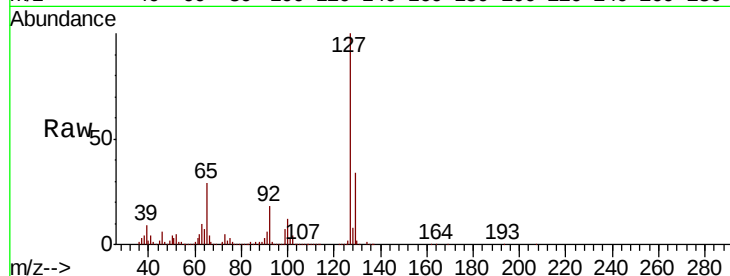




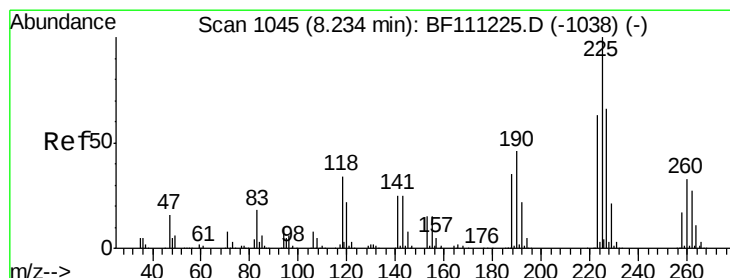
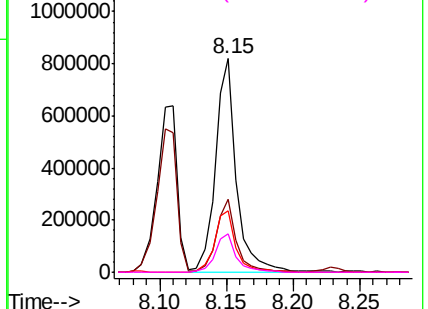
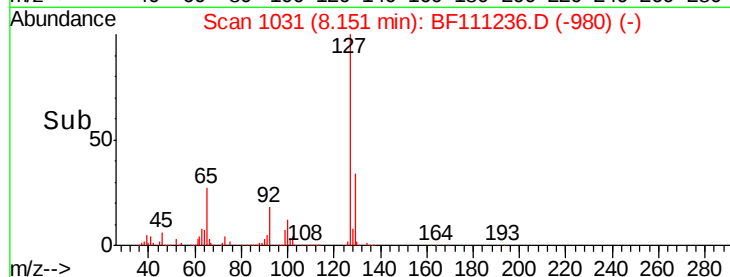
#33
4-Chloroaniline
Concen: 17.779 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	896447
Ion	Ratio	Lower	Upper
127	100		
129	33.9	26.6	39.8
65	28.8	25.7	38.5
92	18.1	15.4	23.2

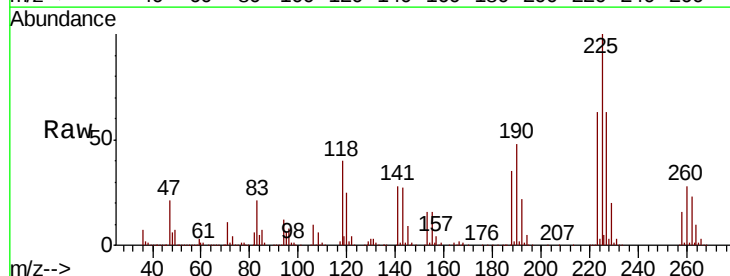


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

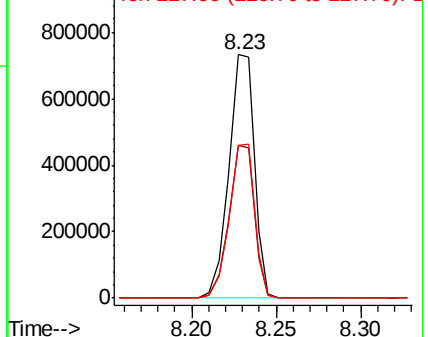
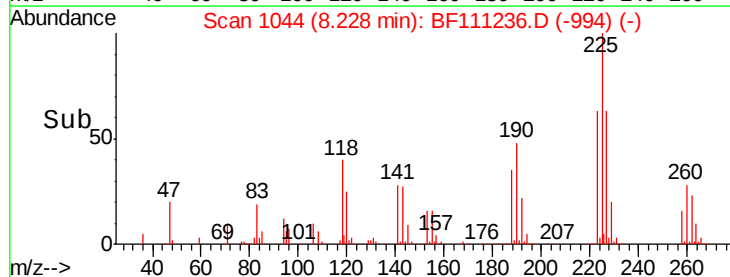


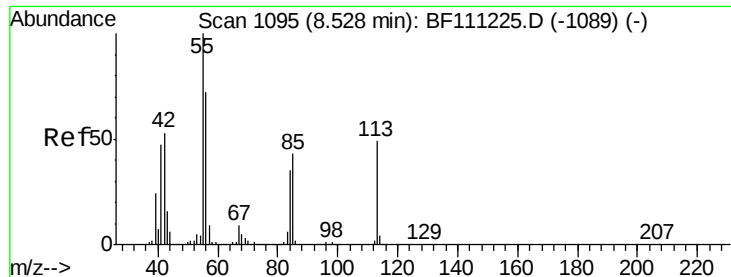
#34
Hexachlorobutadiene
Concen: 40.062 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:	225	Resp:	763286
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.7	76.1
227	62.5	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

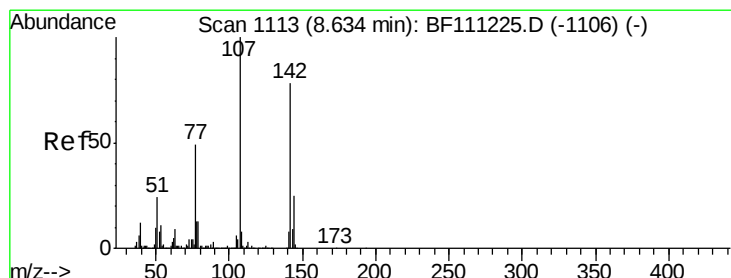
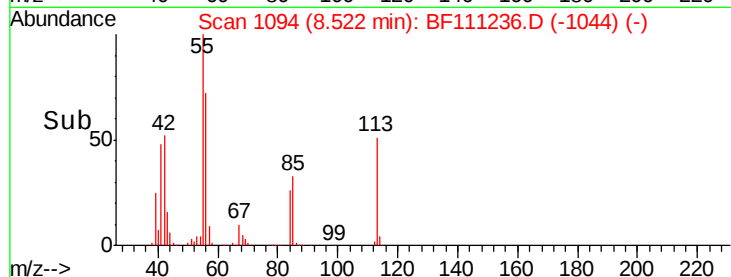
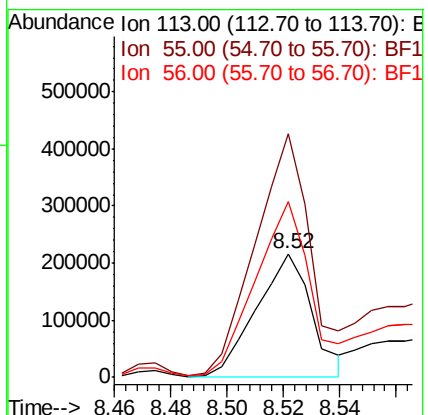
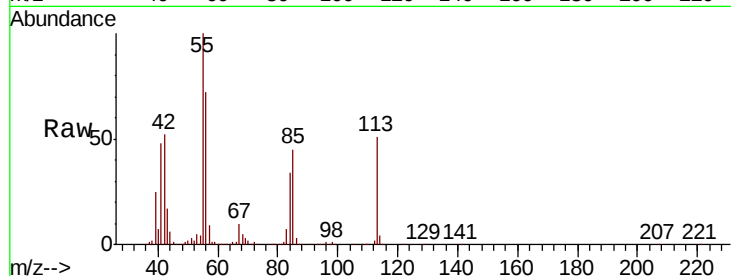




#35
Caprolactam
Concen: 23.478 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

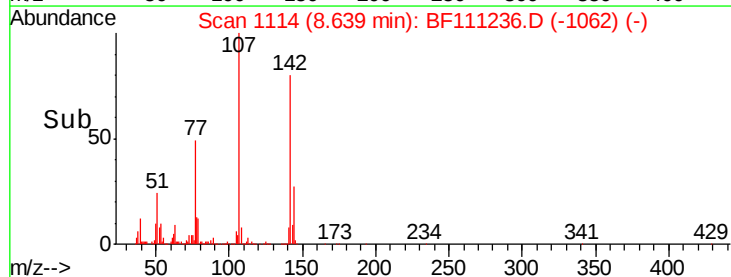
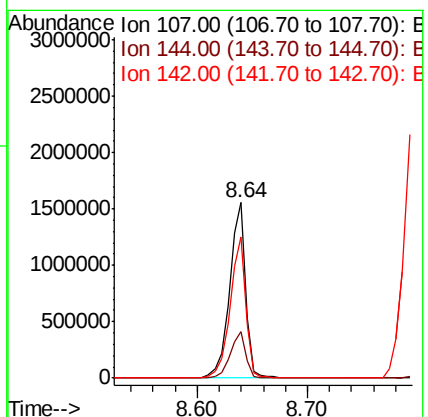
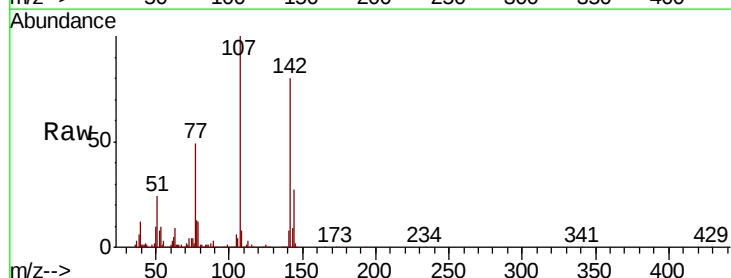
Instrument :
BNA_F
ClientSampled :

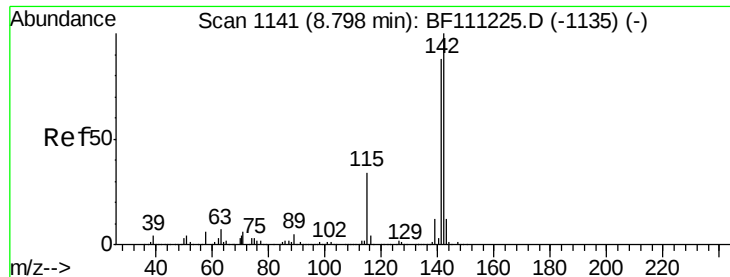
Tot Ion:113 Resp: 291516
Ion Ratio Lower Upper
113 100
55 197.3 184.1 224.1
56 142.0 126.0 166.0



#36
4-Chloro-3-methylphenol
Concen: 43.905 ng
RT: 8.64 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:107 Resp: 1575130
Ion Ratio Lower Upper
107 100
144 26.6 19.8 29.6
142 80.3 62.3 93.5

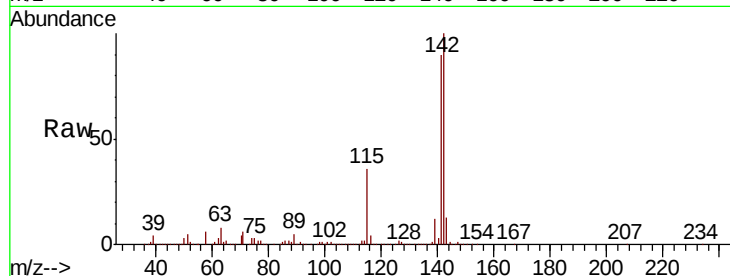




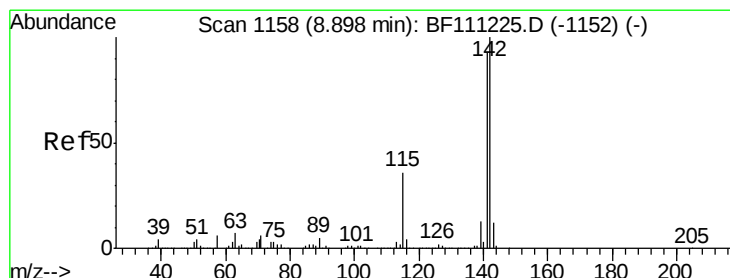
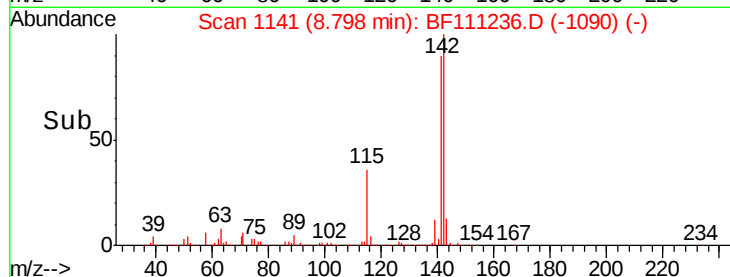
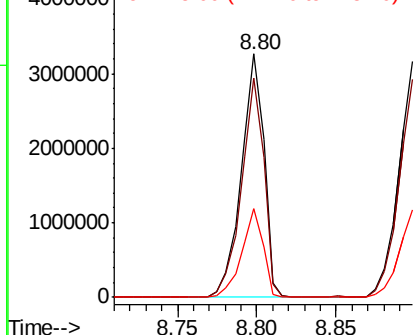
#37
2-Methylnaphthalene
Concen: 46.357 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 3231049
Ion Ratio Lower Upper
142 100
141 90.2 70.6 105.8
115 36.3 27.0 40.6

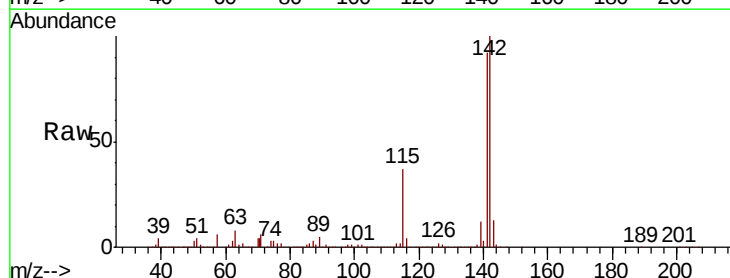


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

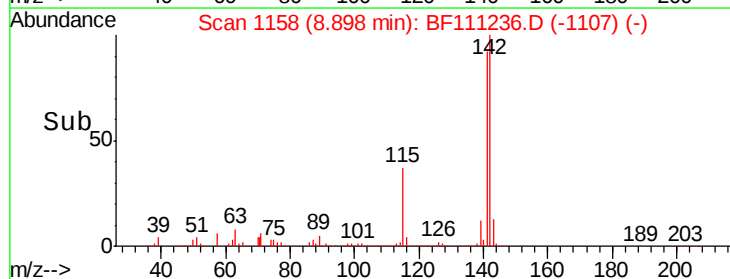
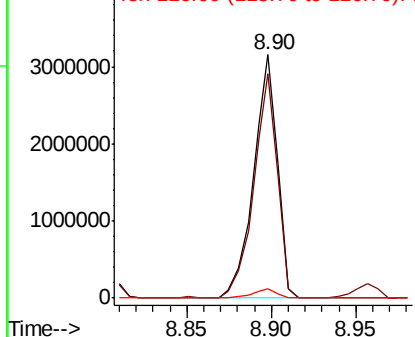


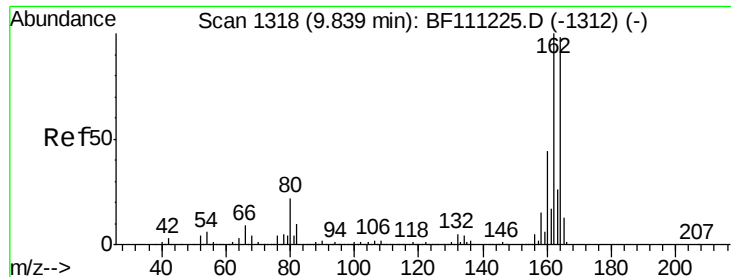
#38
1-Methylnaphthalene
Concen: 45.211 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:142 Resp: 3085940
Ion Ratio Lower Upper
142 100
141 92.4 74.2 111.4
116 3.9 2.9 4.3



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

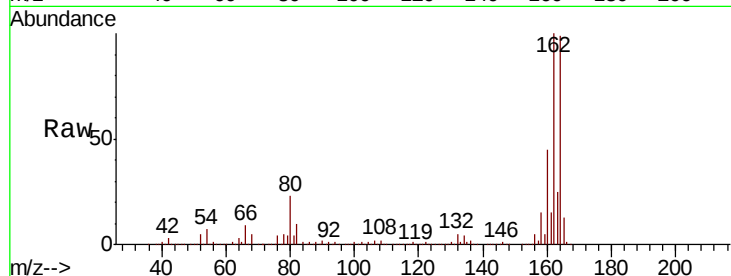




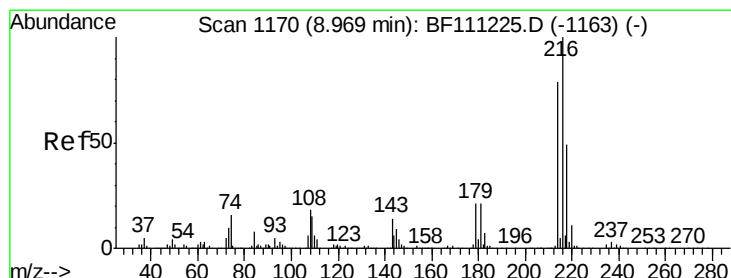
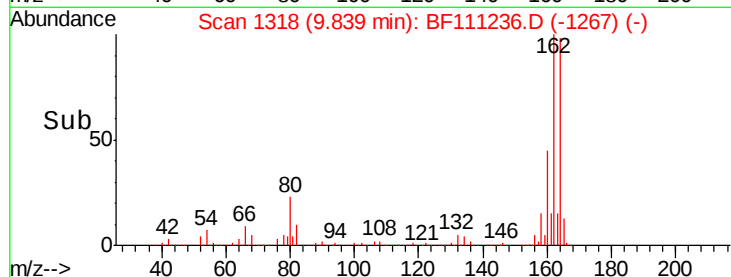
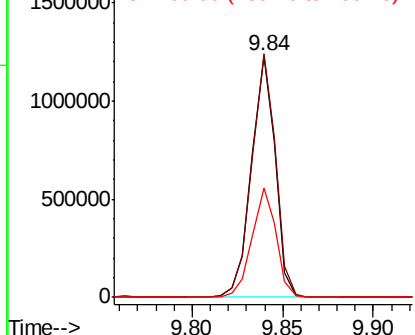
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 1121391
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 45.0 35.7 53.5

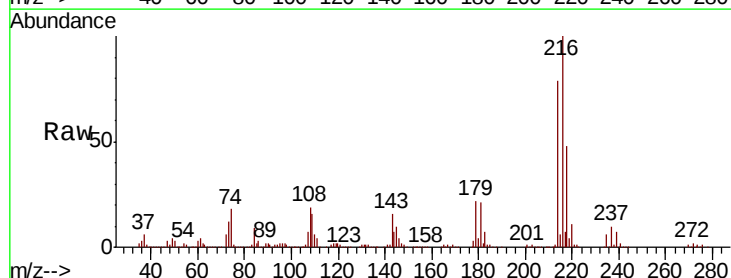


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

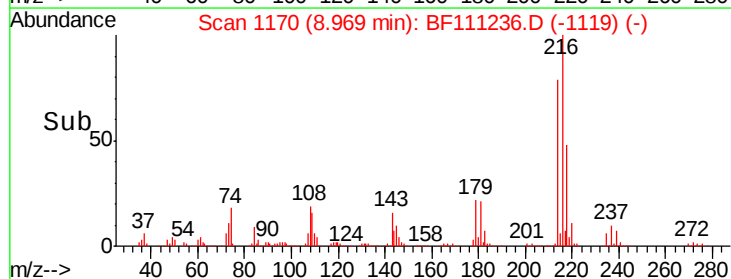
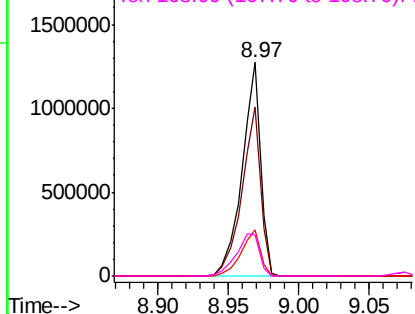


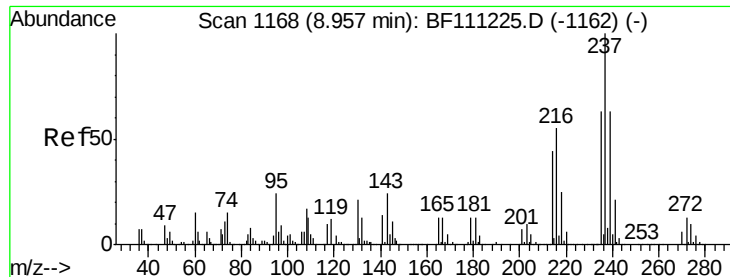
#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.201 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:216 Resp: 1160782
Ion Ratio Lower Upper
216 100
214 80.1 63.8 95.8
179 22.3 17.9 26.9
108 24.7 18.4 27.6



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





#41

Hexachlorocyclopentadiene

Concen: 71.861 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

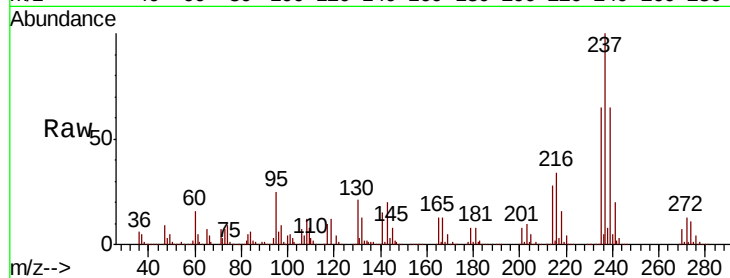
Tot Ion:237 Resp: 1276985

Ion Ratio Lower Upper

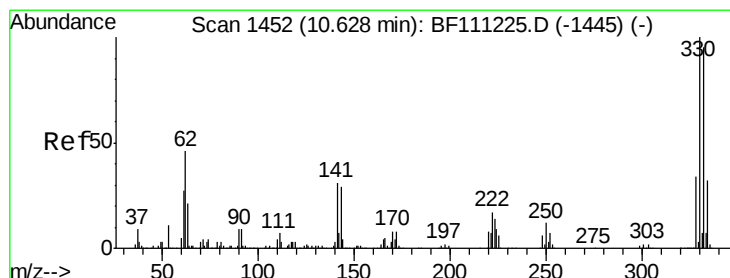
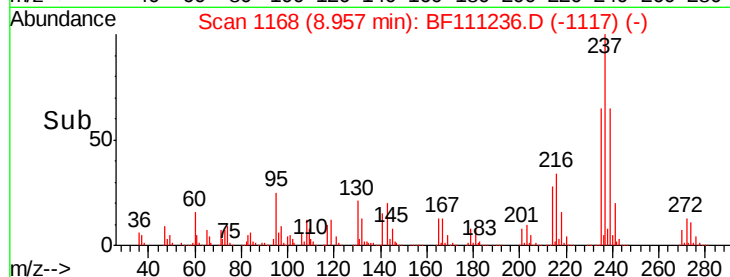
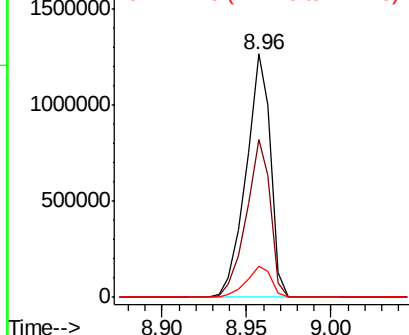
237 100

235 64.7 43.1 83.1

272 12.8 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 113.157 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

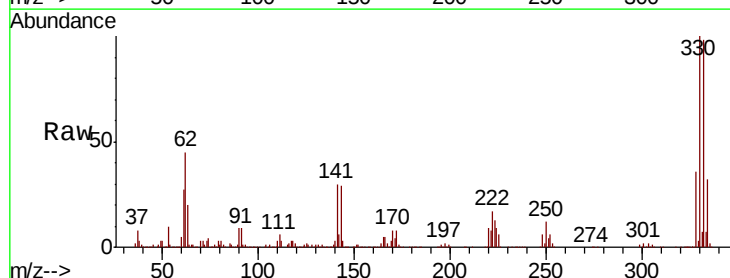
Tgt Ion:330 Resp: 1124037

Ion Ratio Lower Upper

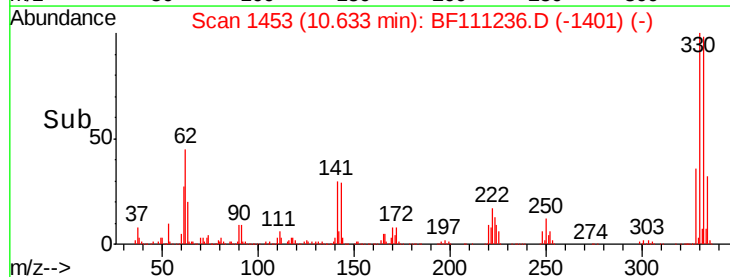
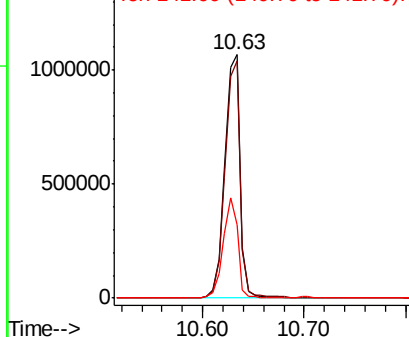
330 100

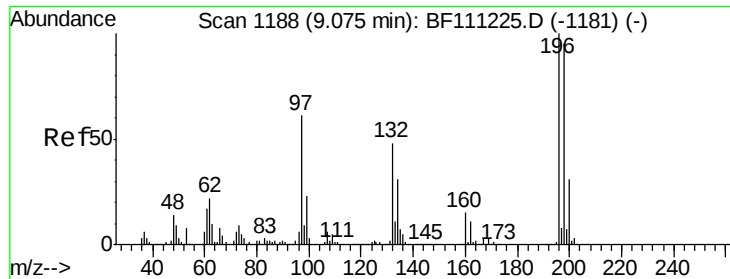
332 95.7 76.0 114.0

141 39.1 31.0 46.6



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: 41.051 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

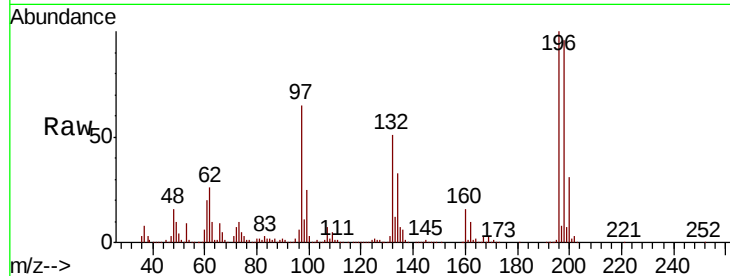
Tot Ion:196 Resp: 961495

Ion Ratio Lower Upper

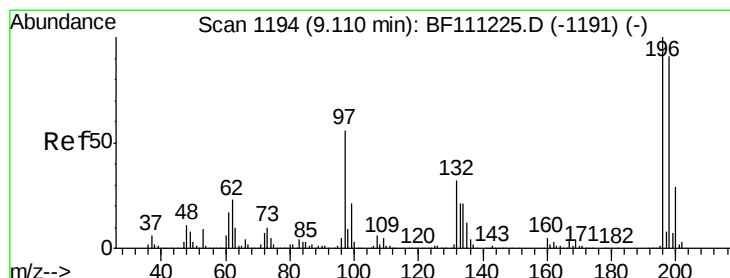
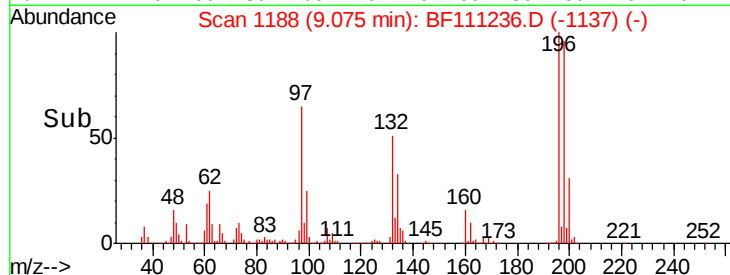
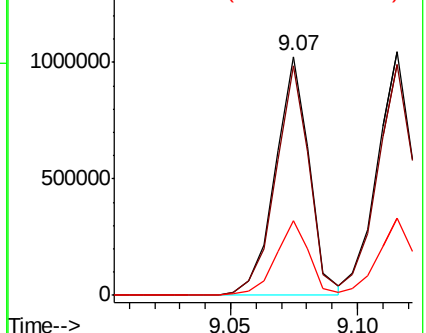
196 100

198 96.1 76.3 114.5

200 31.3 24.9 37.3



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: 41.342 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Tgt Ion:196 Resp: 1008705

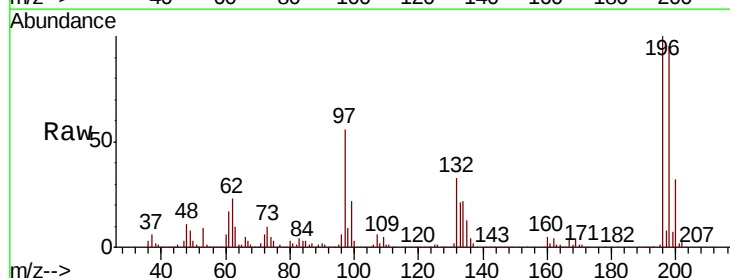
Ion Ratio Lower Upper

196 100

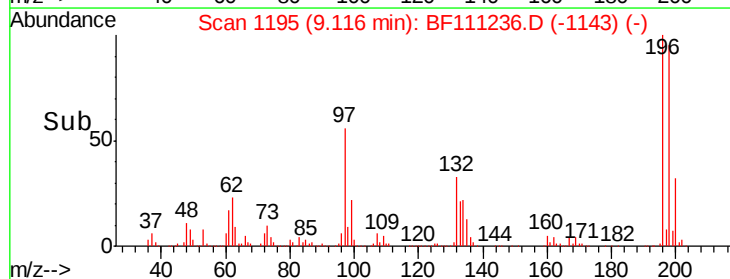
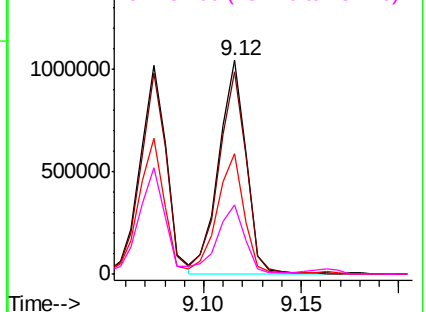
198 94.9 72.9 109.3

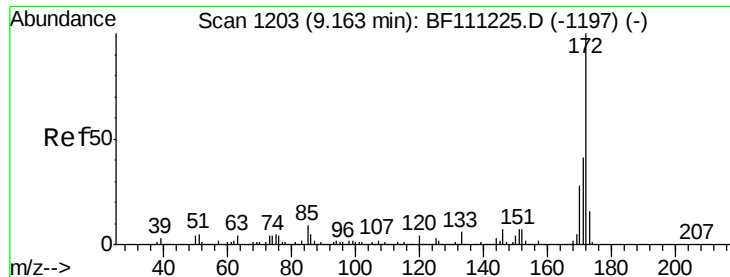
97 56.4 45.3 67.9

132 32.6 25.5 38.3



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

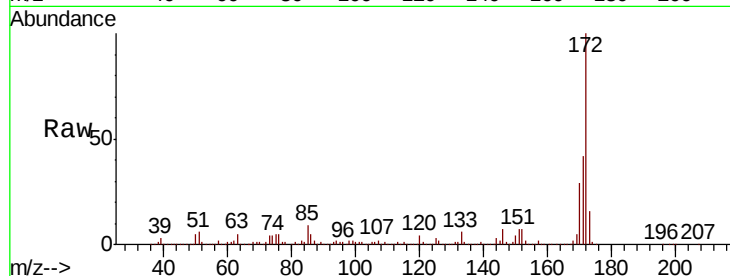




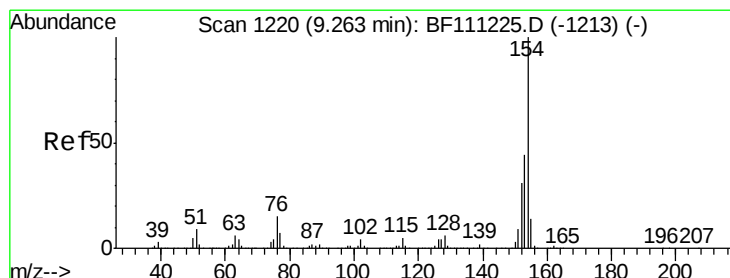
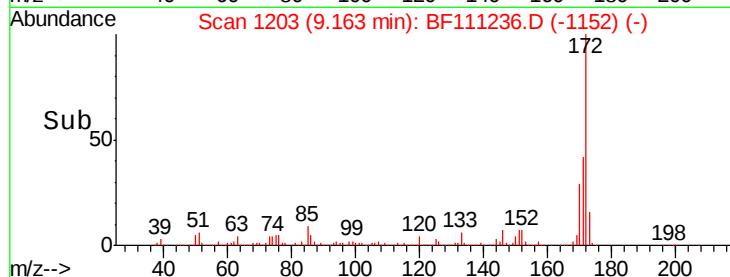
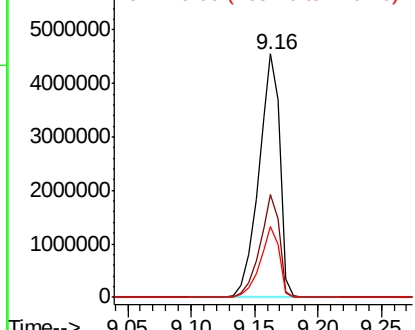
#45
2-Fluorobiphenyl
Concen: 79.856 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 5247173
Ion Ratio Lower Upper
172 100
171 42.3 33.0 49.4
170 29.0 22.3 33.5

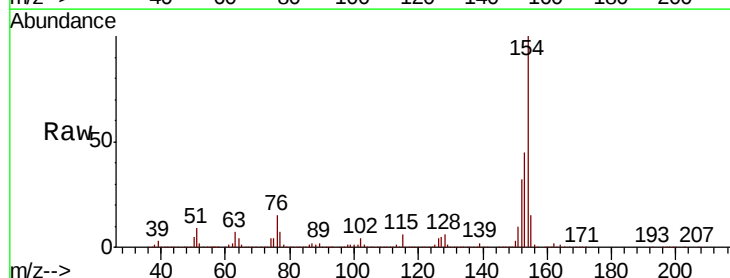


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

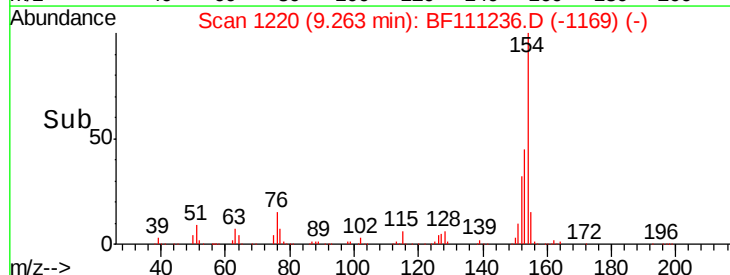
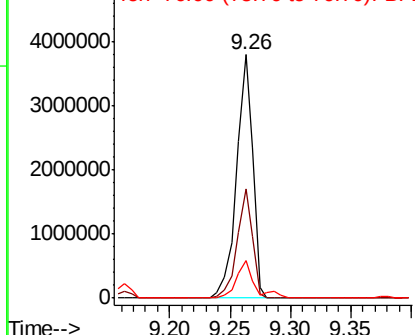


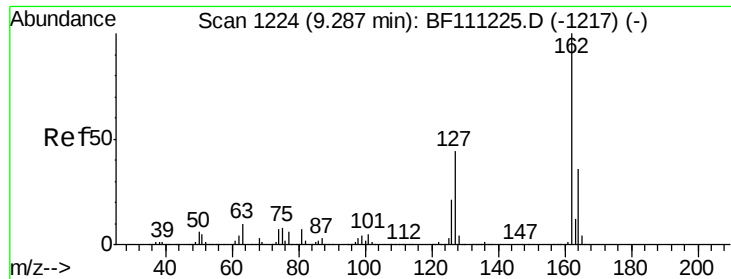
#46
1,1'-Biphenyl
Concen: 38.574 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:154 Resp: 3545017
Ion Ratio Lower Upper
154 100
153 44.7 23.7 63.7
76 15.5 0.0 35.0



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

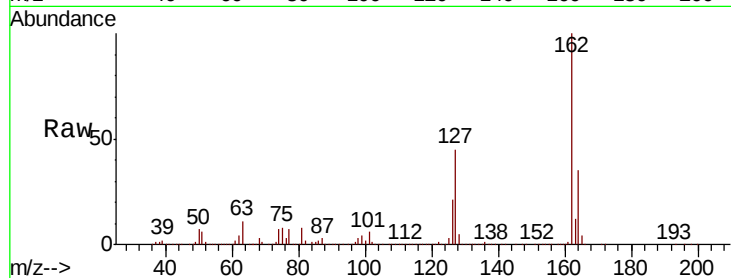




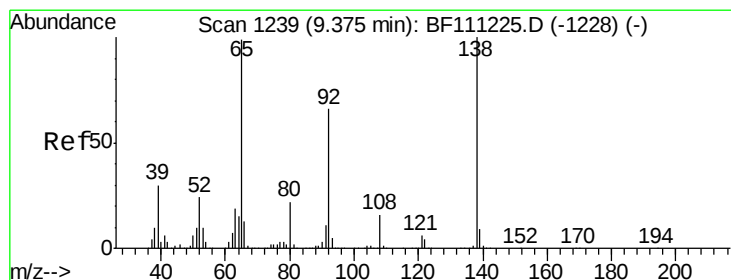
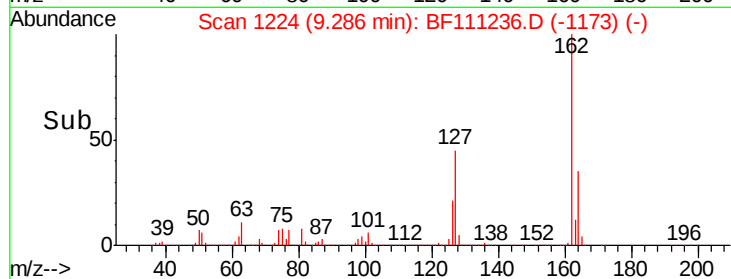
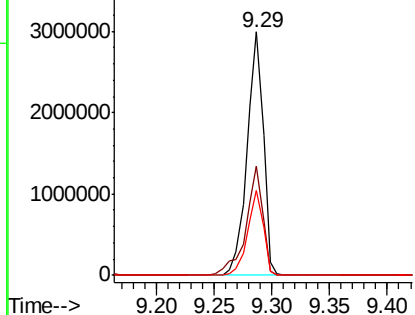
#47
 2-Chloronaphthalene
 Concen: 39.631 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 2907894
 Ion Ratio Lower Upper
 162 100
 127 44.8 35.0 52.4
 164 34.8 28.4 42.6

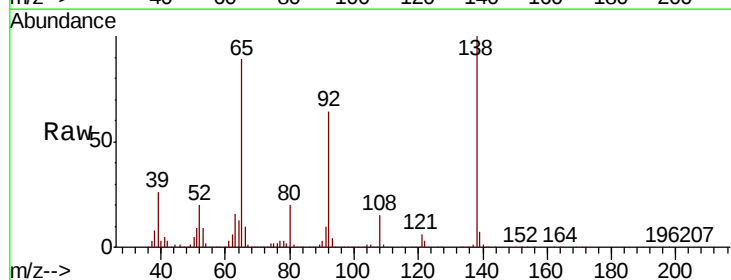


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

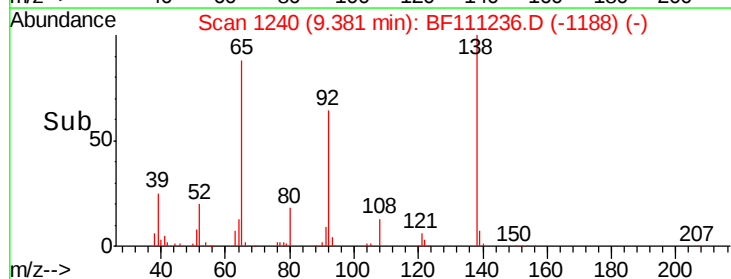
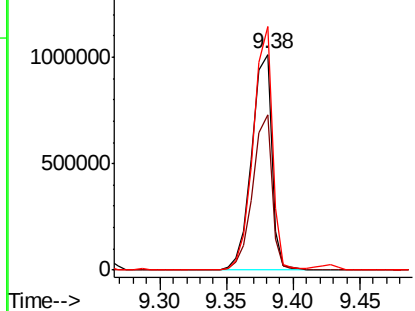


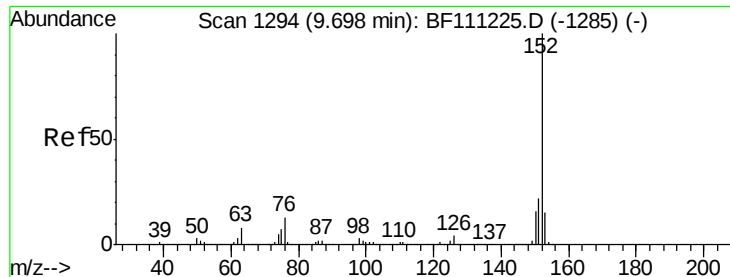
#48
 2-Nitroaniline
 Concen: 41.874 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion: 65 Resp: 1048101
 Ion Ratio Lower Upper
 65 100
 92 71.7 53.5 80.3
 138 112.8 80.9 121.3



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): E





#49

Acenaphthylene

Concen: 40.653 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

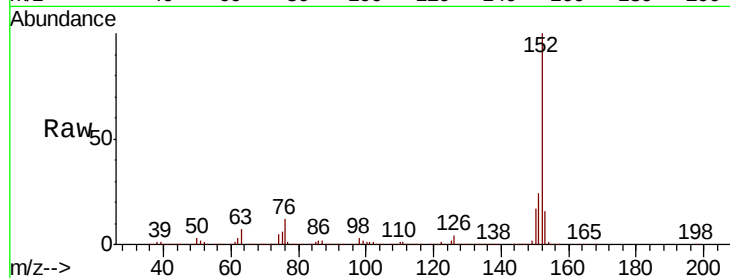
Tot Ion:152 Resp: 4330413

Ion Ratio Lower Upper

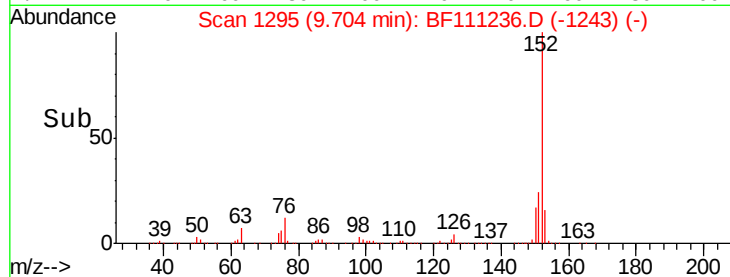
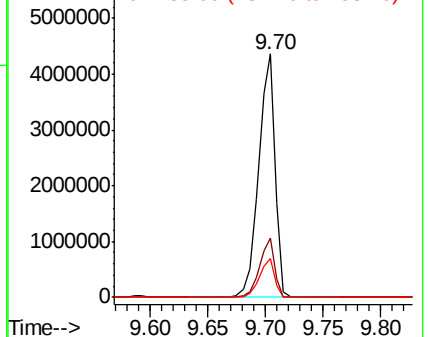
152 100

151 24.1 18.0 27.0

153 15.8 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: 42.916 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

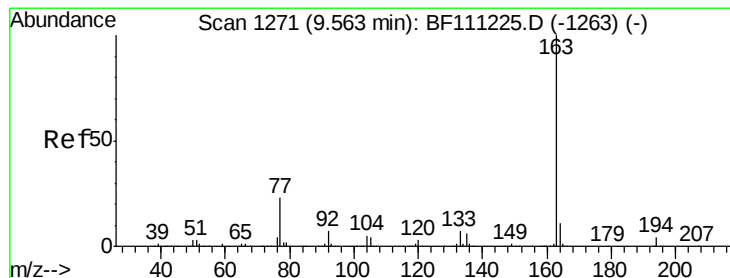
Tgt Ion:163 Resp: 3550973

Ion Ratio Lower Upper

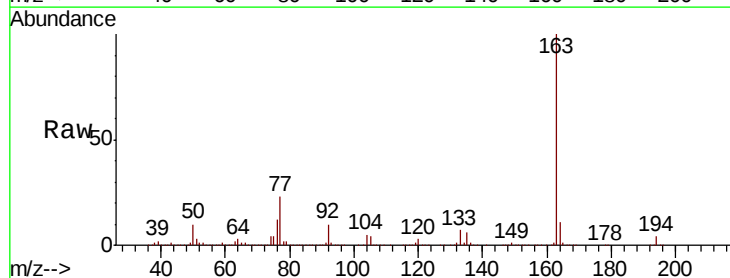
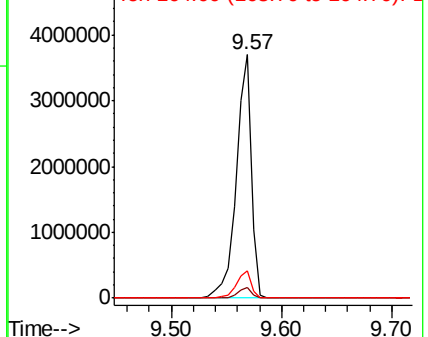
163 100

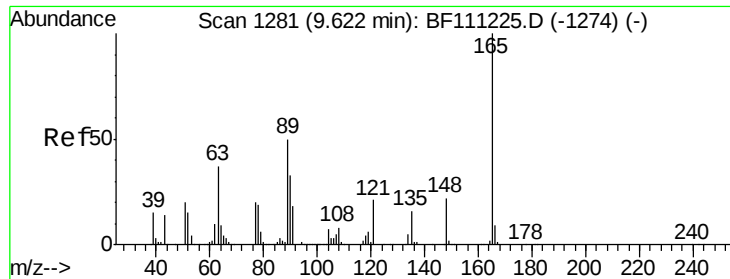
194 4.4 3.0 4.6

164 11.4 8.9 13.3



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: 44.028 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

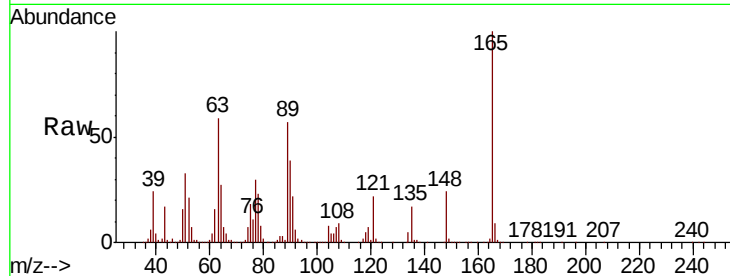
Tot Ion:165 Resp: 804517

Ion Ratio Lower Upper

165 100

63 59.0 40.5 60.7

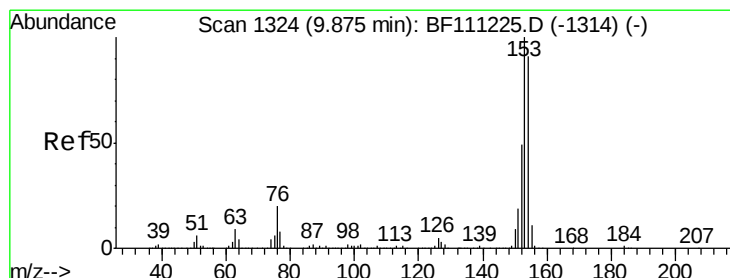
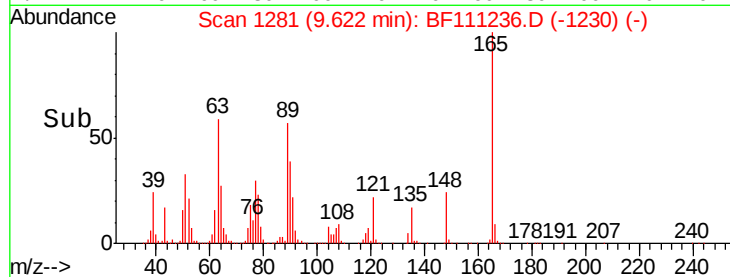
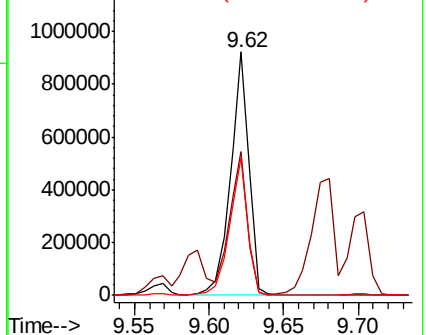
89 56.5 40.0 60.0



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: 44.822 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

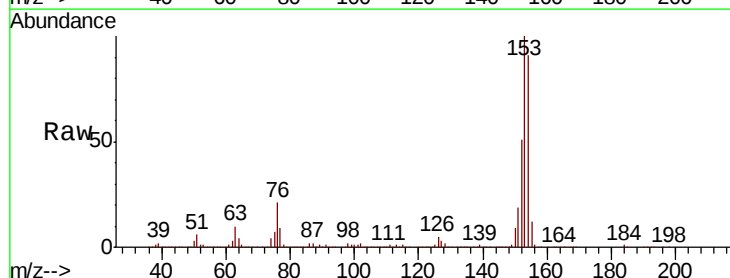
Tgt Ion:154 Resp: 2996205

Ion Ratio Lower Upper

154 100

153 109.8 87.8 131.8

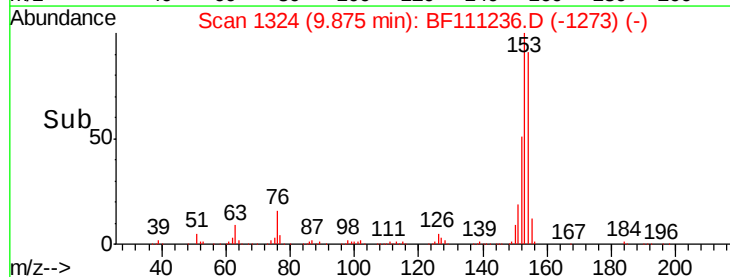
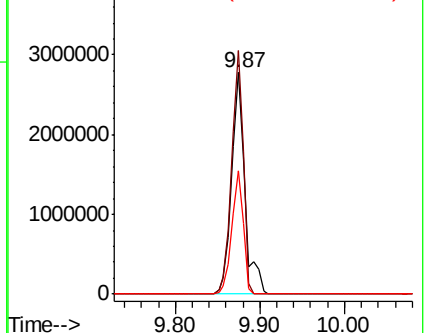
152 55.8 43.4 65.2

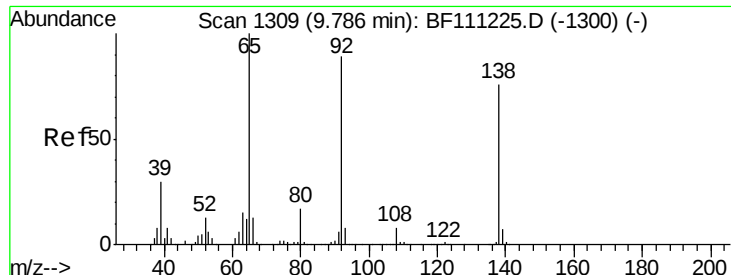


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

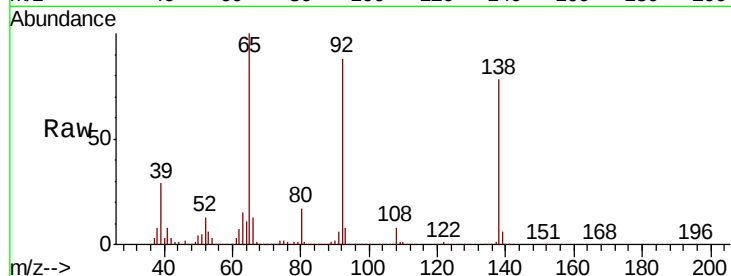




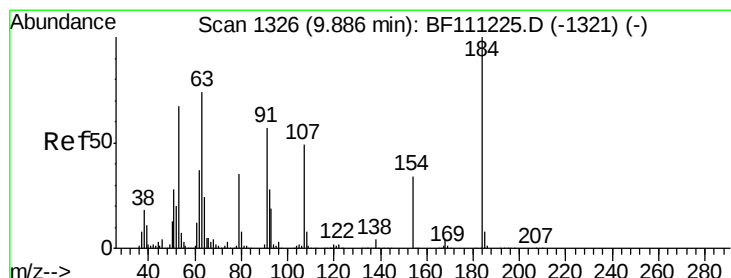
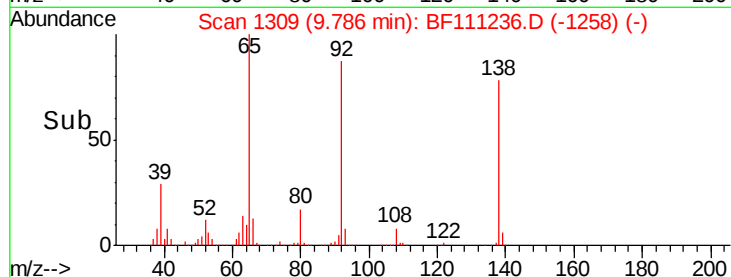
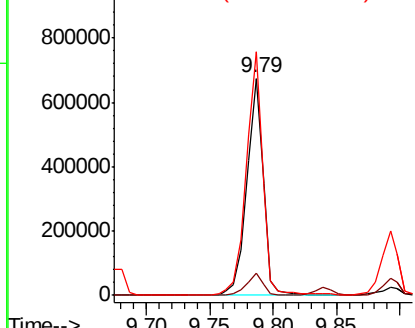
#53
3-Nitroaniline
Concen: 26.872 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 606090
Ion Ratio Lower Upper
138 100
108 10.1 8.2 12.4
92 112.0 93.4 140.2

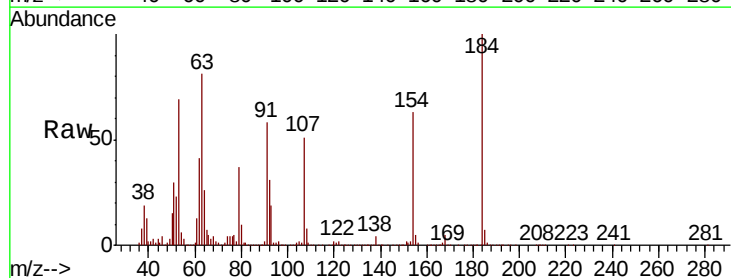


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

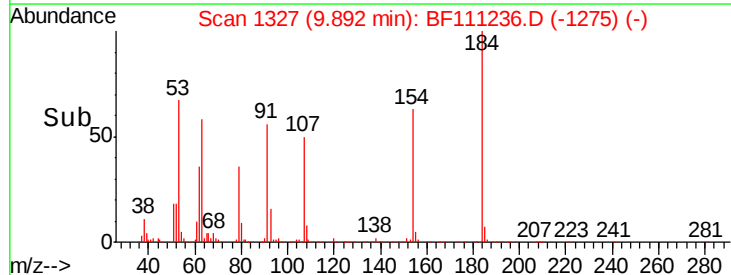
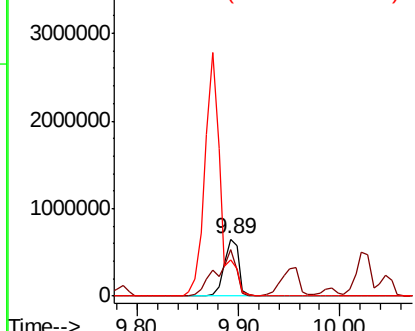


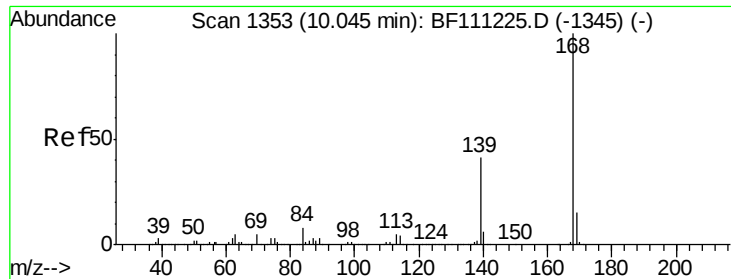
#54
2,4-Dinitrophenol
Concen: 90.395 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:184 Resp: 652727
Ion Ratio Lower Upper
184 100
63 81.1 62.3 93.5
154 63.0 56.2 84.2



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

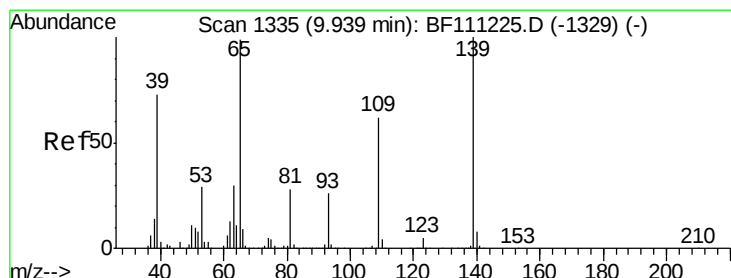
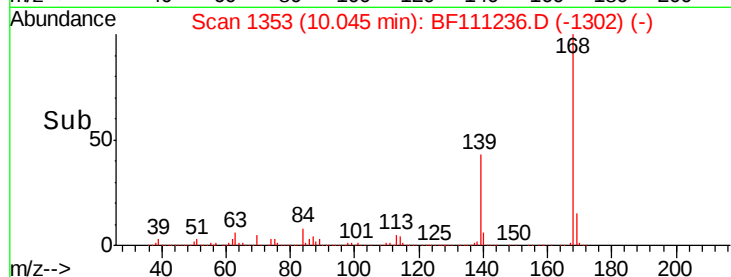
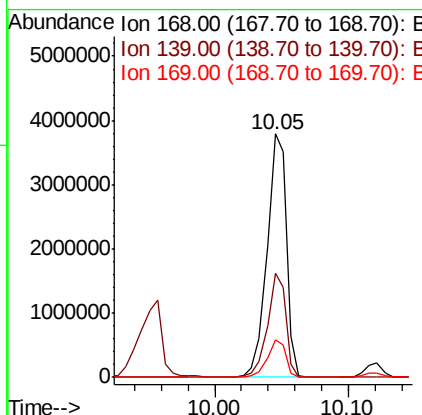
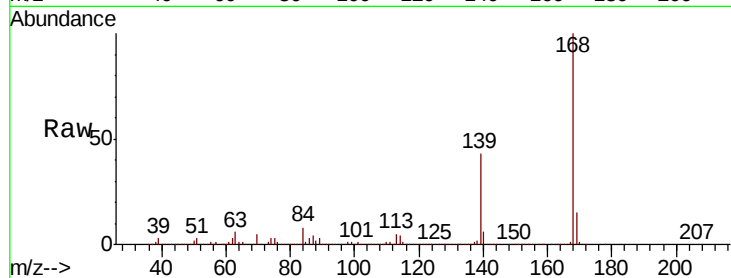




#55
Dibenzenofuran
Concen: 42.042 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

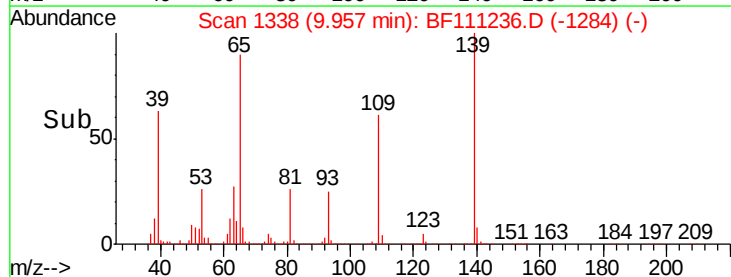
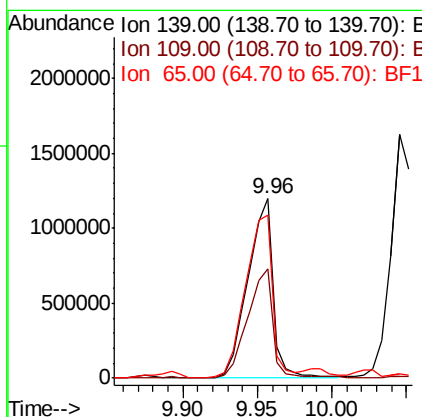
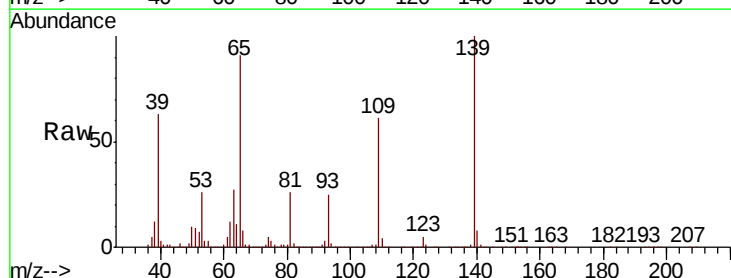
Instrument :
BNA_F
ClientSampleId :

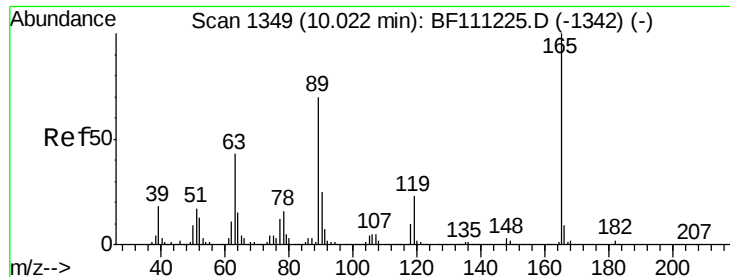
Tot Ion:168 Resp: 3823338
Ion Ratio Lower Upper
168 100
139 42.9 32.6 49.0
169 15.2 11.8 17.6



#56
4-Nitrophenol
Concen: 79.740 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:139 Resp: 1400712
Ion Ratio Lower Upper
139 100
109 60.7 41.8 81.8
65 90.6 79.6 119.6

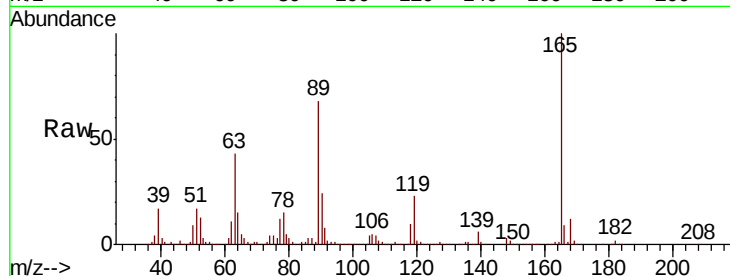




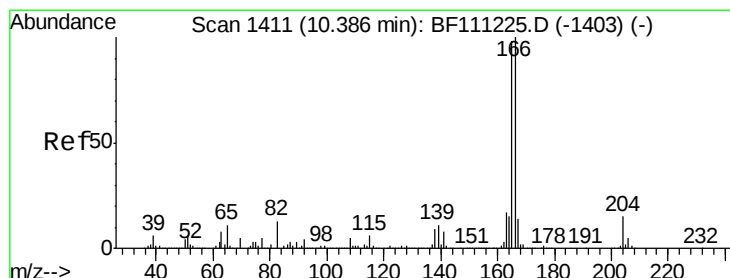
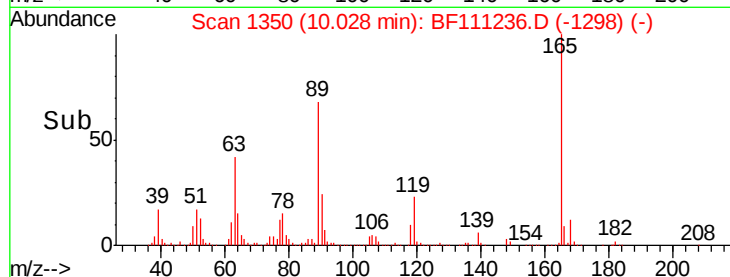
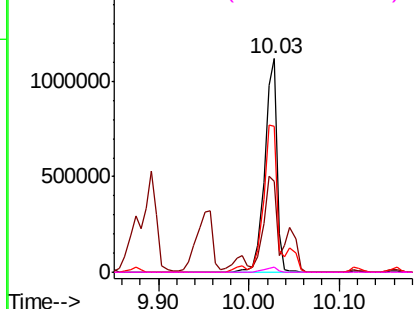
#57
2,4-Dinitrotoluene
Concen: 47.006 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 1058884
Ion Ratio Lower Upper
165 100
63 42.5 34.6 52.0
89 68.3 56.2 84.4
182 2.4 1.8 2.6

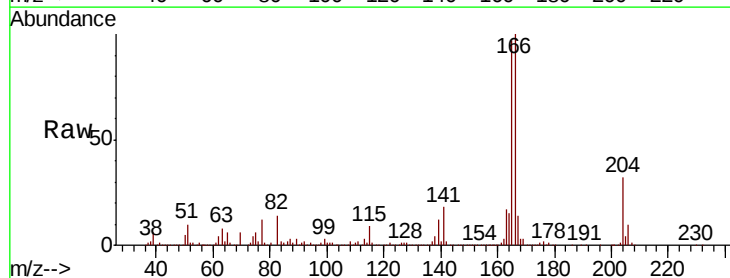


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

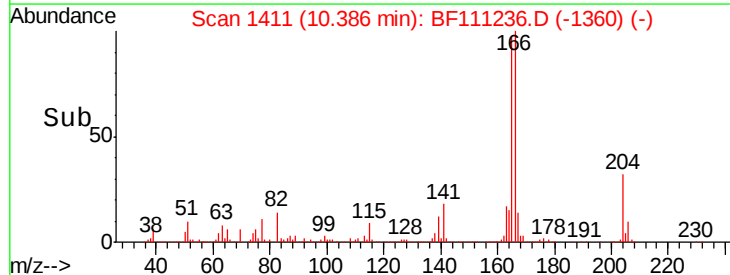
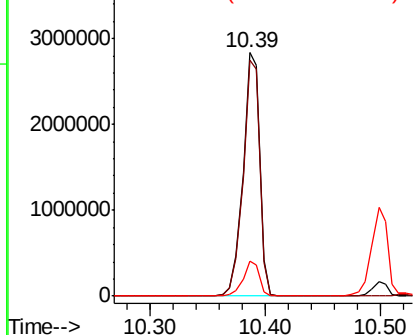


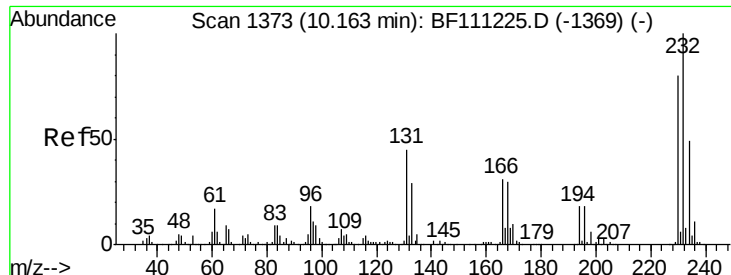
#58
Fluorene
Concen: 40.155 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:166 Resp: 2825861
Ion Ratio Lower Upper
166 100
165 97.1 78.4 117.6
167 14.4 11.2 16.8



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

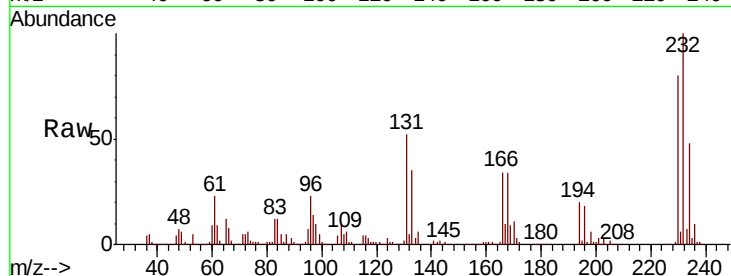




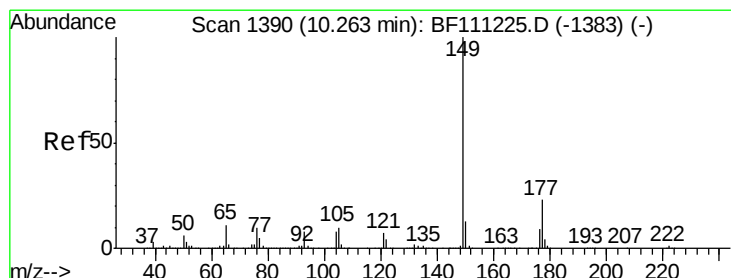
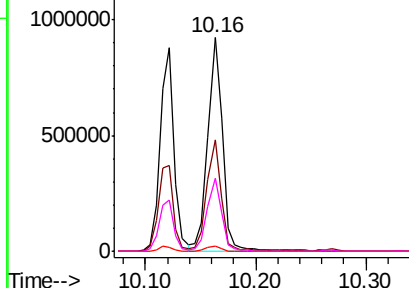
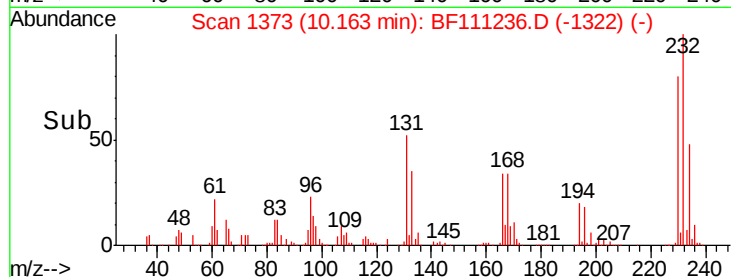
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.756 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
232	100		
131	50.2	40.9	61.3
130	2.4	2.0	3.0
166	33.3	26.8	40.2

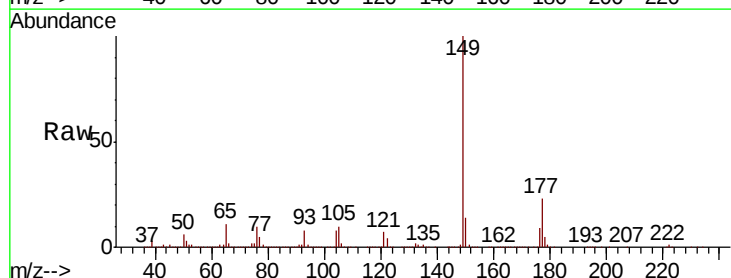


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

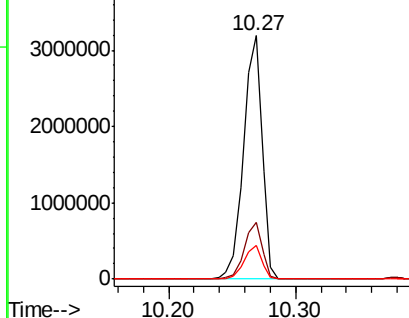
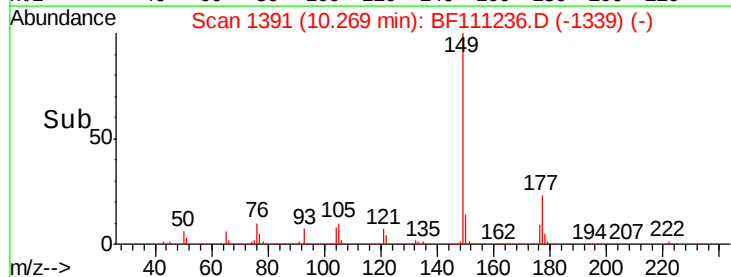


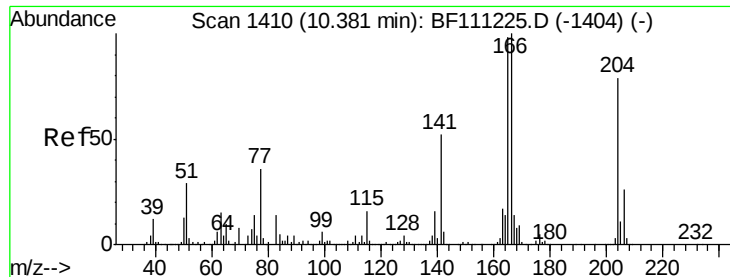
#60
Diethylphthalate
Concen: 40.823 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	13.6	10.6	15.8



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

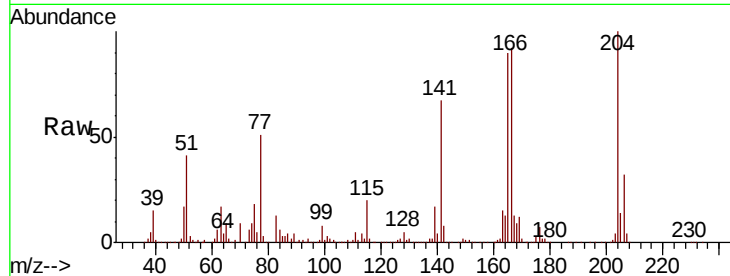




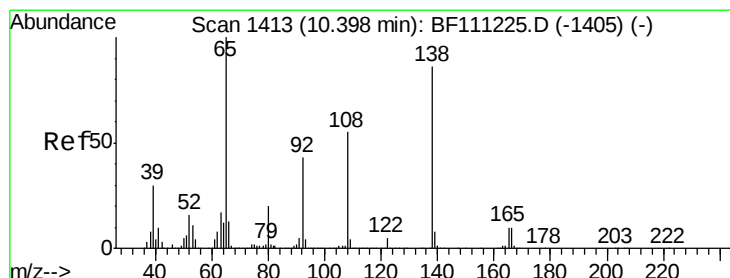
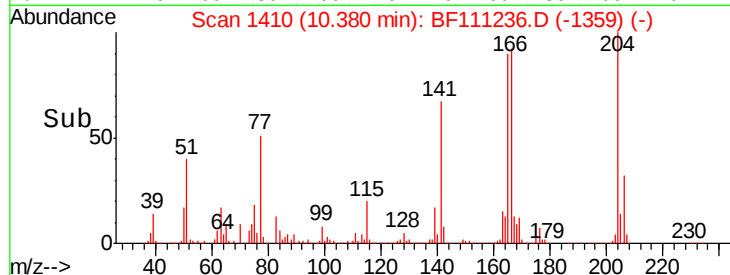
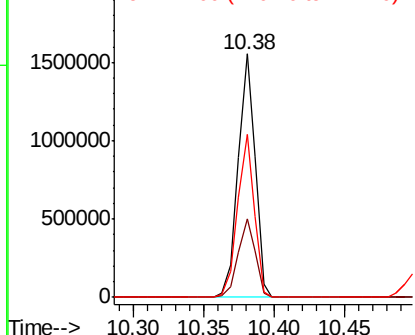
#61
4-Chlorophenyl-phenylether
Concen: 37.223 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:204 Resp: 1300611
Ion Ratio Lower Upper
204 100
206 32.2 26.6 39.8
141 67.2 52.6 78.8

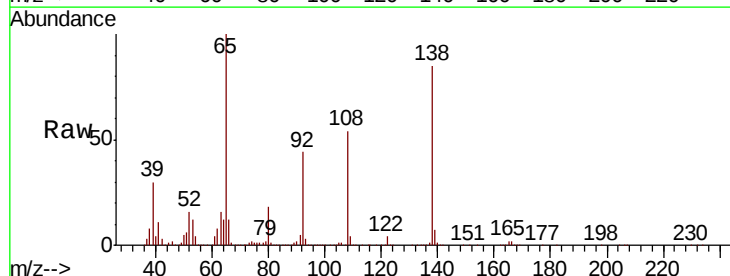


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

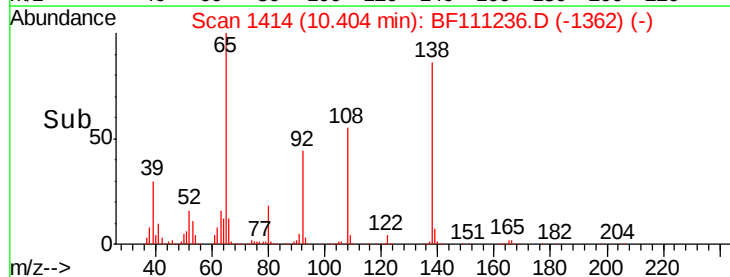
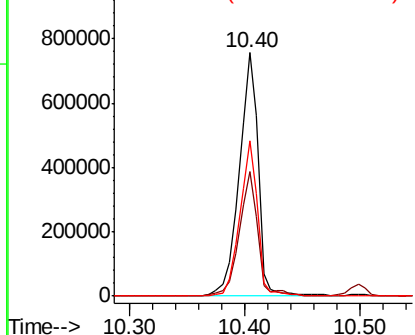


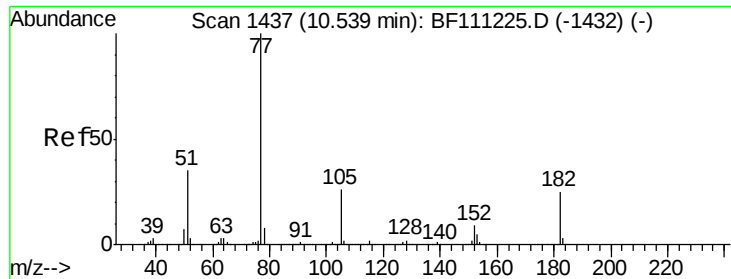
#62
4-Nitroaniline
Concen: 40.495 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:138 Resp: 864189
Ion Ratio Lower Upper
138 100
92 51.3 29.9 69.9
108 63.7 43.2 83.2



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: 40.686 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 3332143

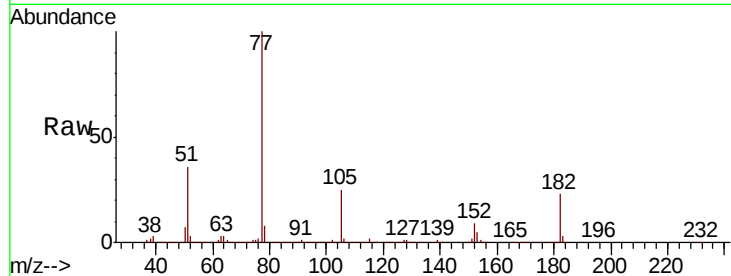
Ion Ratio Lower Upper

77 100

182 23.4 4.9 44.9

105 25.1 6.0 46.0

51 35.7 14.7 54.7

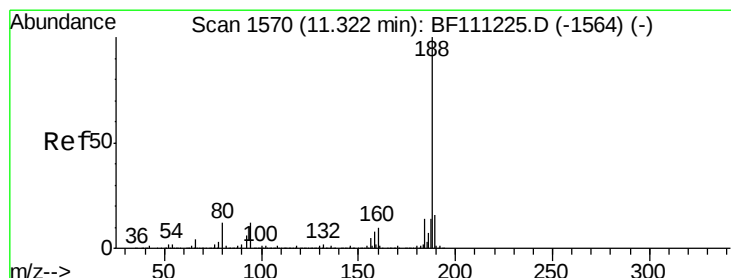
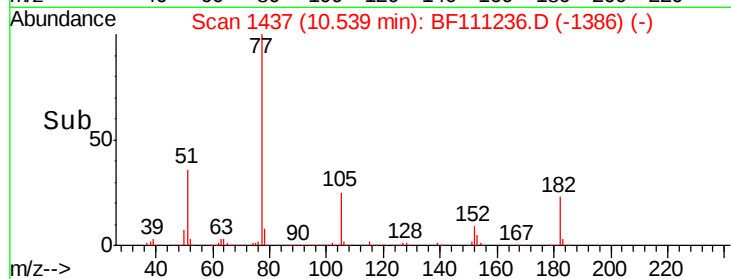
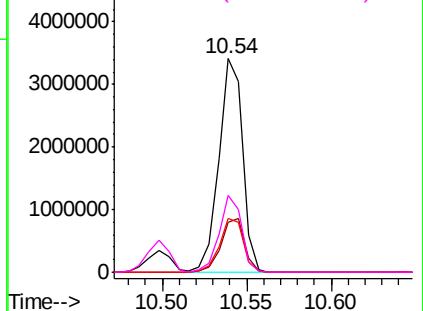


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

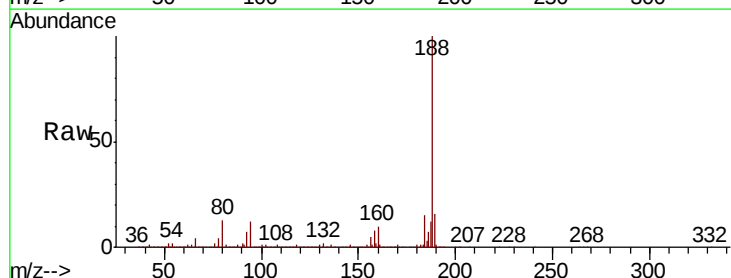
Tgt Ion: 188 Resp: 1884985

Ion Ratio Lower Upper

188 100

94 12.2 9.6 14.4

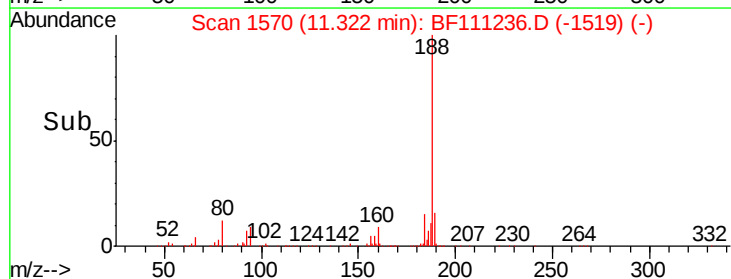
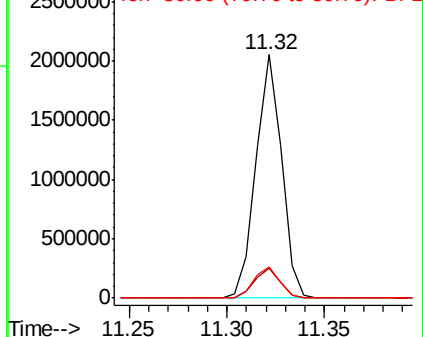
80 12.6 9.8 14.6

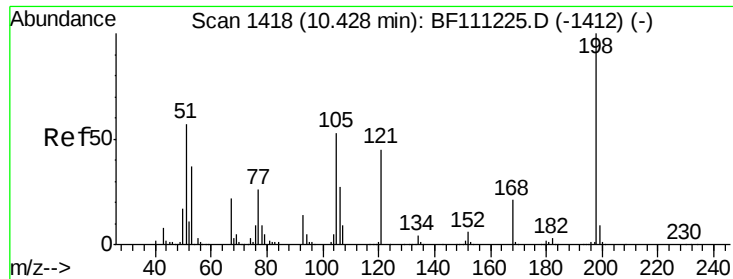


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

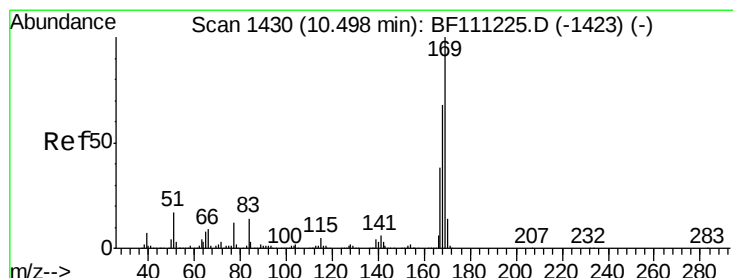
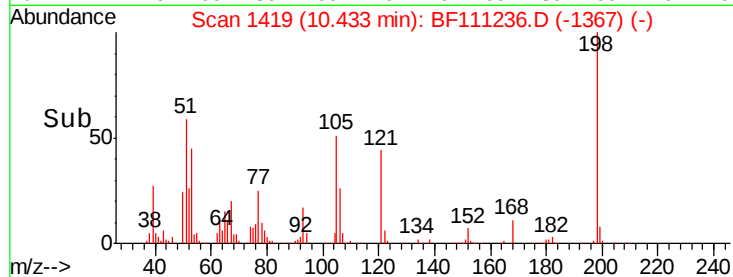
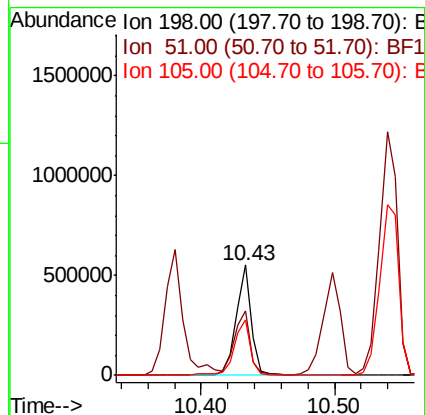
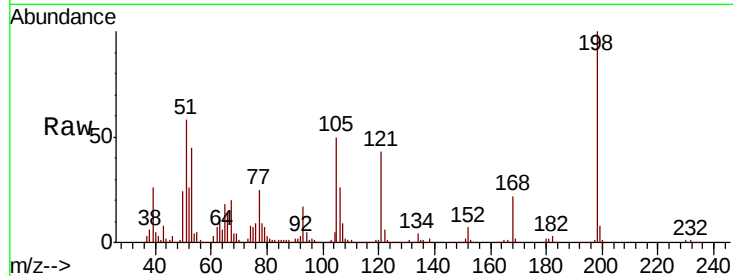




#65
 4,6-Dinitro-2-methylphenol
 Concen: 40.101 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

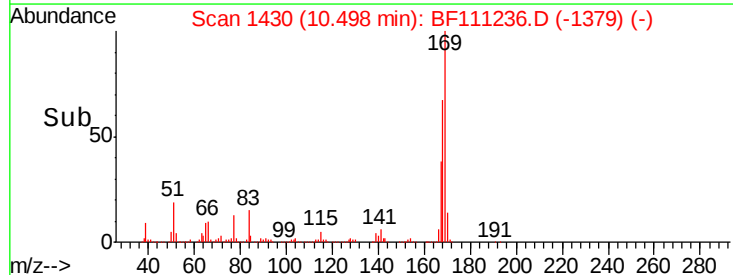
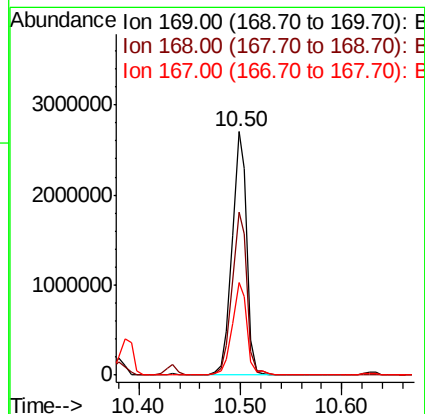
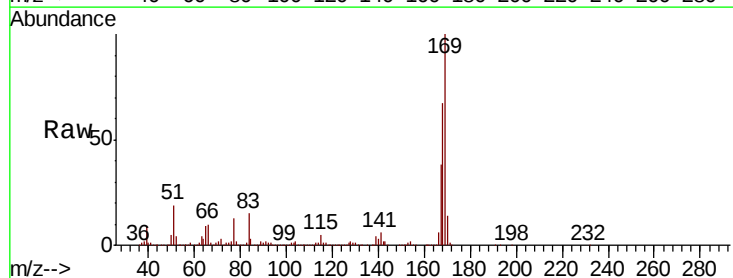
Instrument :
 BNA_F
 ClientSampled :

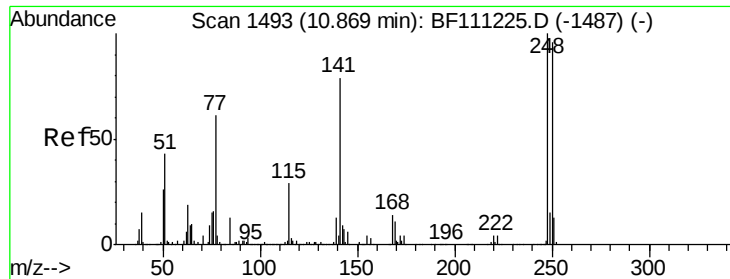
Tot Ion:198 Resp: 445638
 Ion Ratio Lower Upper
 198 100
 51 57.8 48.0 88.0
 105 50.1 34.0 74.0



#66
 n-Nitrosodiphenylamine
 Concen: 42.014 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion:169 Resp: 2695854
 Ion Ratio Lower Upper
 169 100
 168 67.2 54.4 81.6
 167 38.2 30.5 45.7

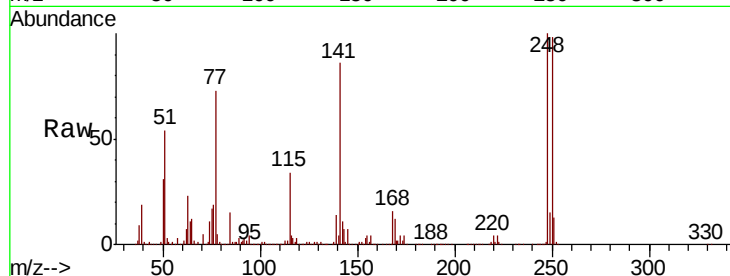




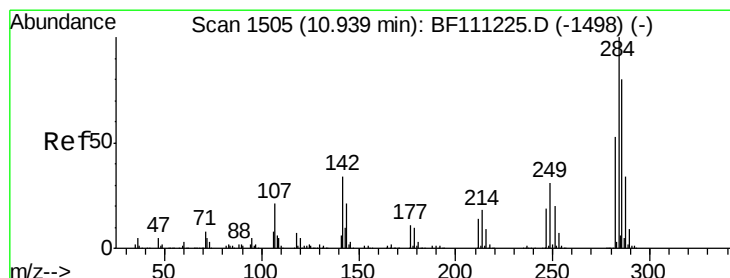
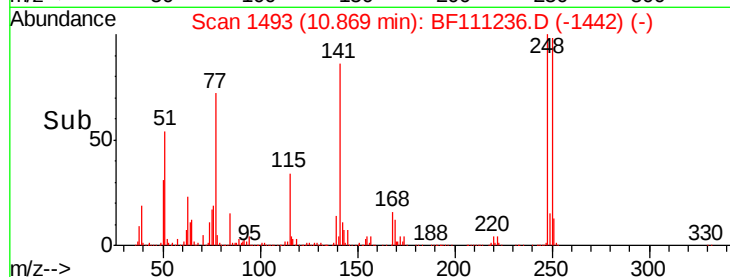
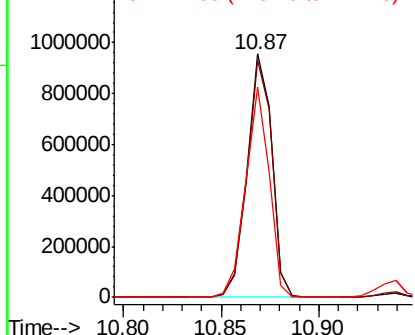
#67
4-Bromophenyl-phenylether
Concen: 40.733 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 840963
Ion Ratio Lower Upper
248 100
250 97.5 77.0 115.4
141 86.1 63.0 94.6

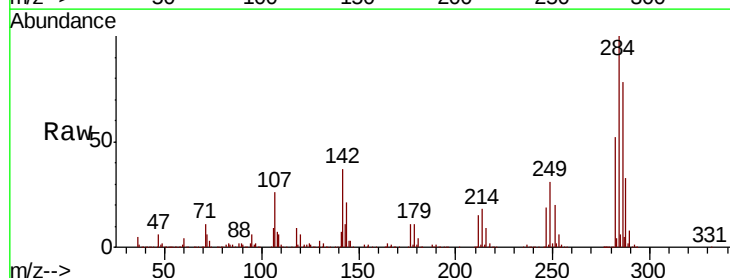


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

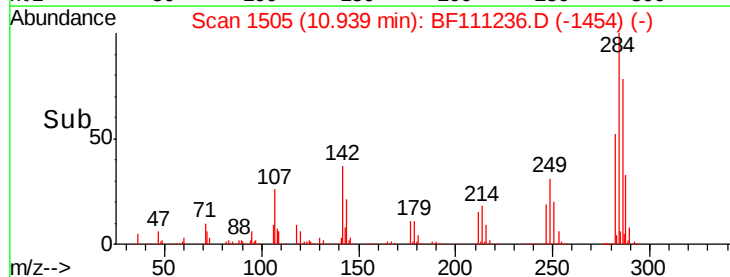
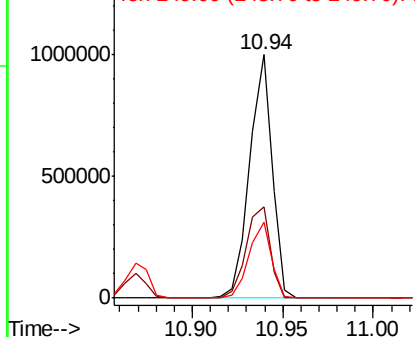


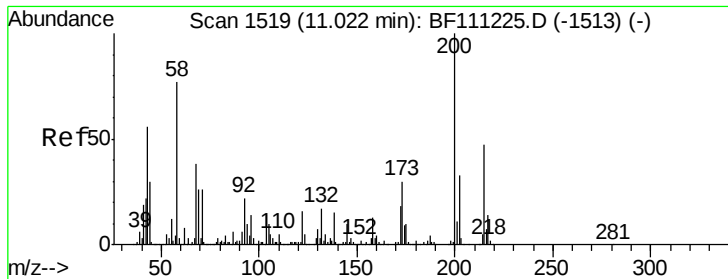
#68
Hexachlorobenzene
Concen: 41.066 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:284 Resp: 862487
Ion Ratio Lower Upper
284 100
142 37.4 27.4 41.2
249 31.0 24.4 36.6



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

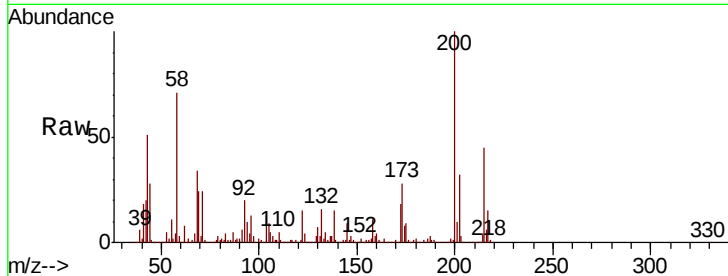




#69
Atrazine
Concen: 43.606 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.5	10.1	50.1
215	45.2	26.9	66.9

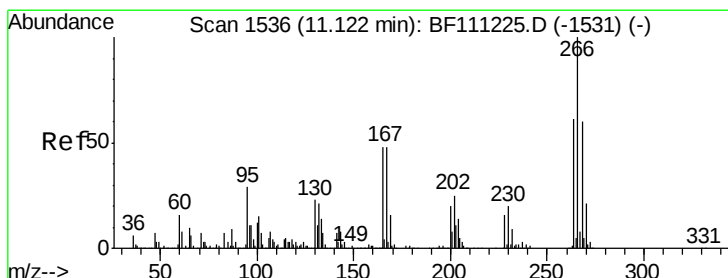
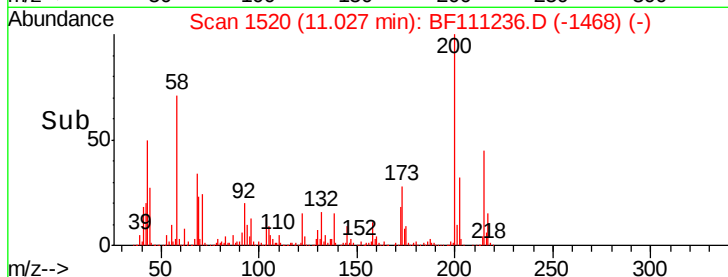
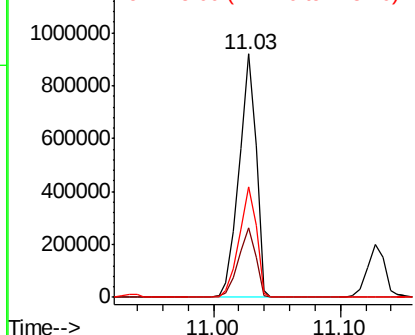


Abundance

Ion 200.00 (199.70 to 200.70): E

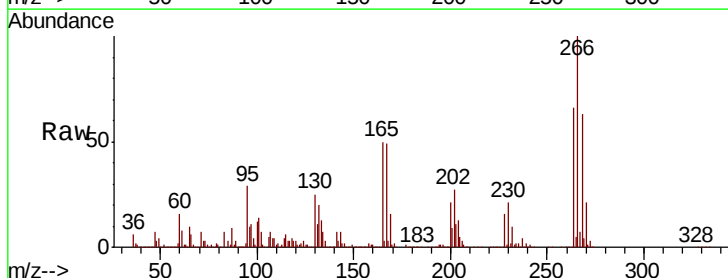
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 65.127 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	47.9	71.9
264	65.6	49.1	73.7

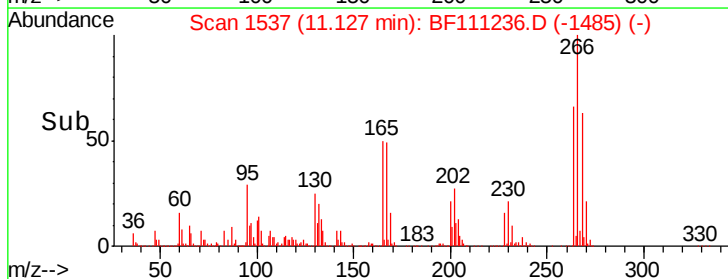
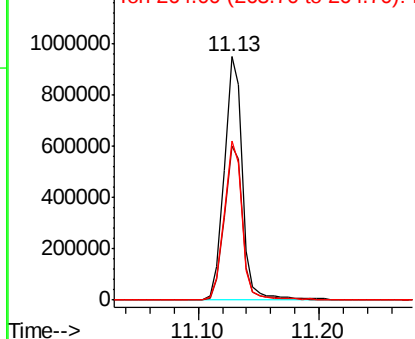


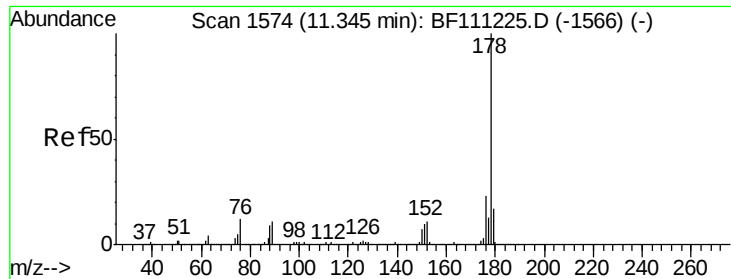
Abundance

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: 41.123 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

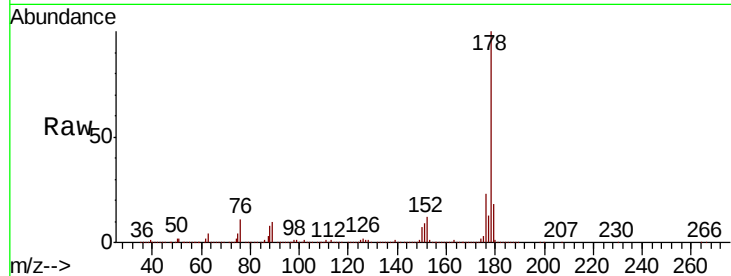
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 3909871

Ion	Ratio	Lower	Upper
178	100		
176	22.6	18.1	27.1
179	17.7	14.0	21.0

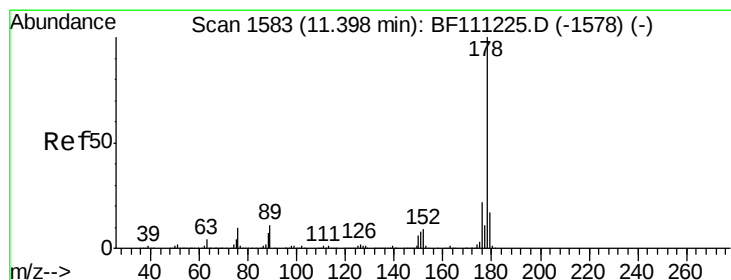
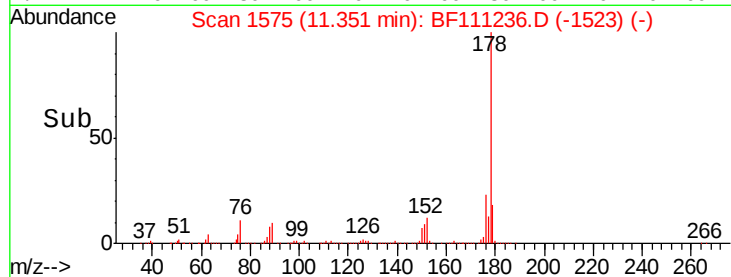
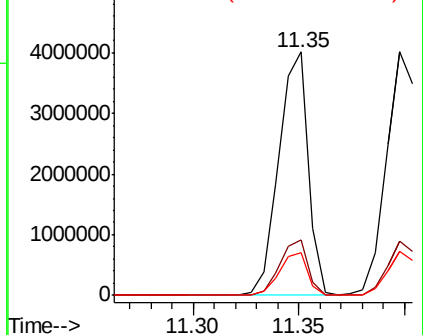


Abundance

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: 40.544 ng

RT: 11.40 min Scan# 1583

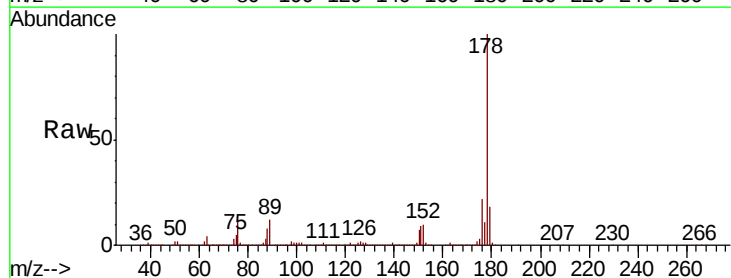
Delta R.T. 0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Tgt Ion:178 Resp: 4032909

Ion	Ratio	Lower	Upper
178	100		
176	22.3	17.2	25.8
179	18.2	13.8	20.8

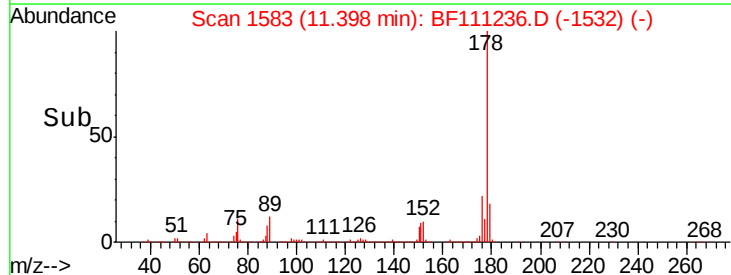
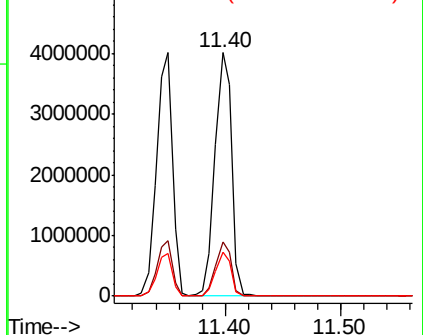


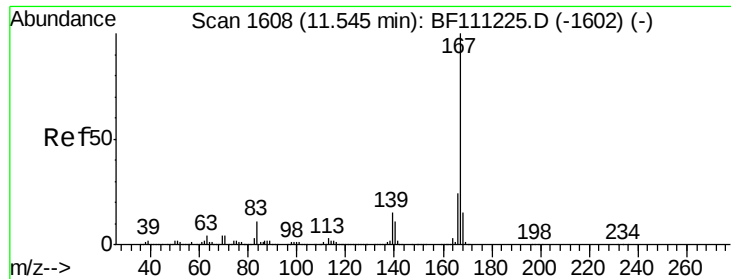
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

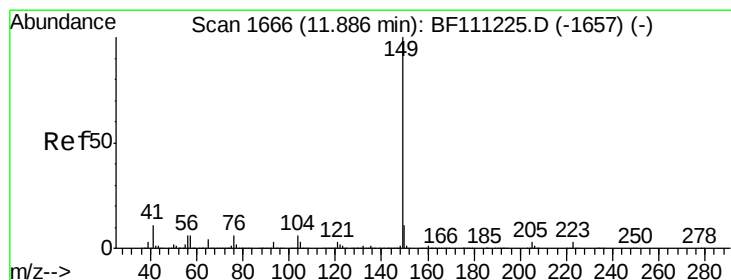
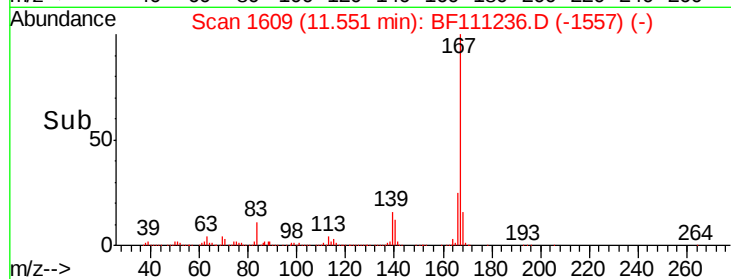
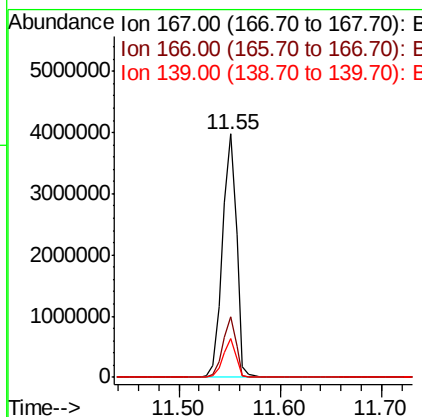
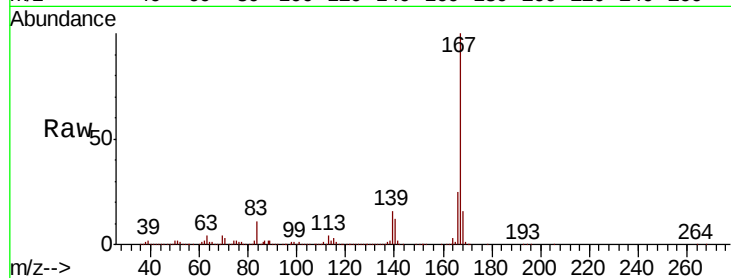




#73
 Carbazole
 Concen: 36.924 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

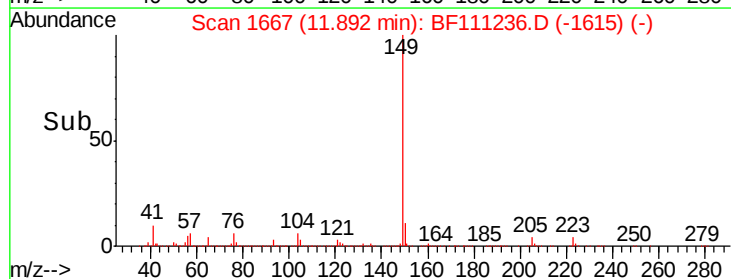
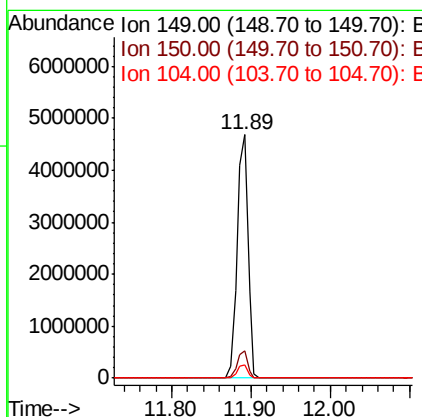
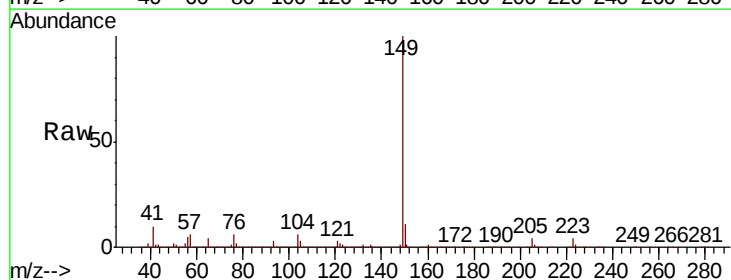
Instrument :
 BNA_F
 ClientSampleId :

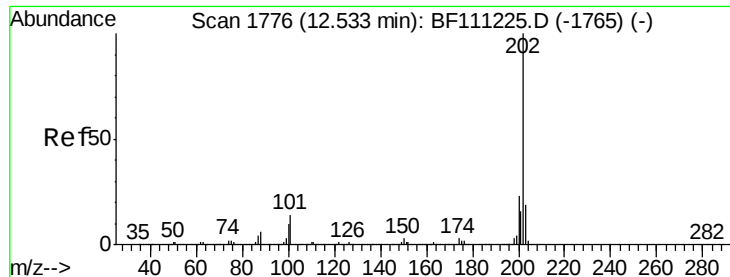
Tot Ion:167 Resp: 3840481
 Ion Ratio Lower Upper
 167 100
 166 25.1 19.3 28.9
 139 15.8 11.9 17.9



#74
 Di-n-butylphthalate
 Concen: 41.332 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion:149 Resp: 4418703
 Ion Ratio Lower Upper
 149 100
 150 11.3 8.8 13.2
 104 5.6 4.5 6.7





#75

Fluoranthene

Concen: 44.169 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

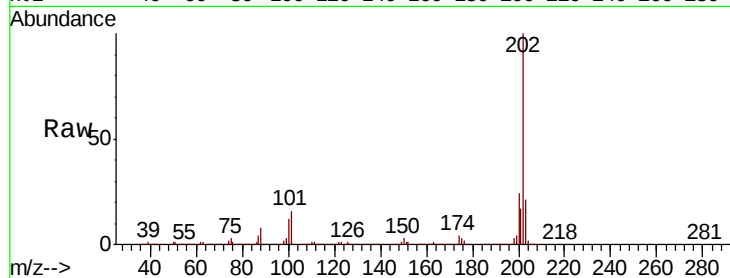
Tot Ion:202 Resp: 3836157

Ion Ratio Lower Upper

202 100

101 16.1 0.0 33.8

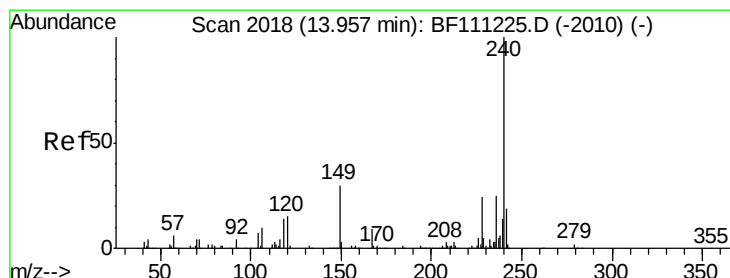
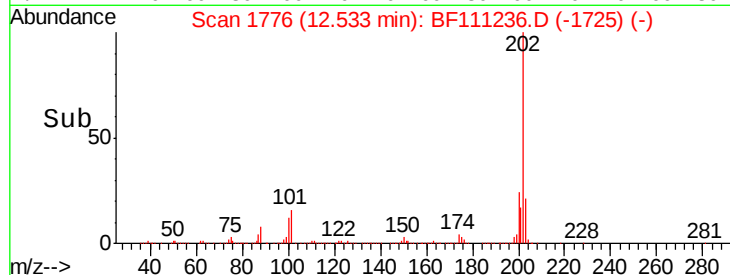
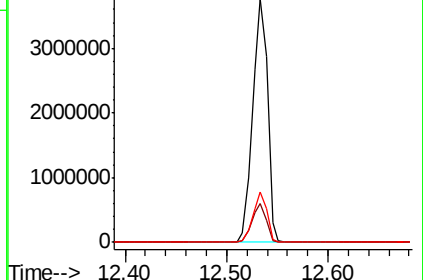
203 20.6 0.0 38.6



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: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

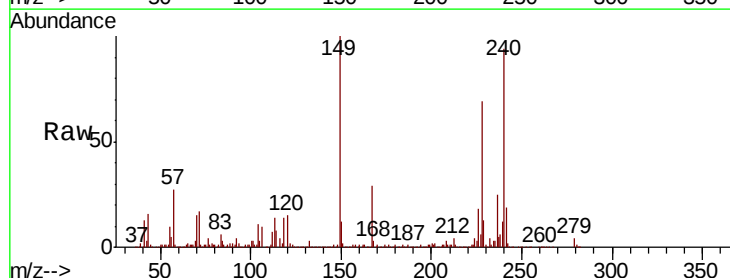
Tgt Ion:240 Resp: 1037927

Ion Ratio Lower Upper

240 100

120 16.2 12.2 18.2

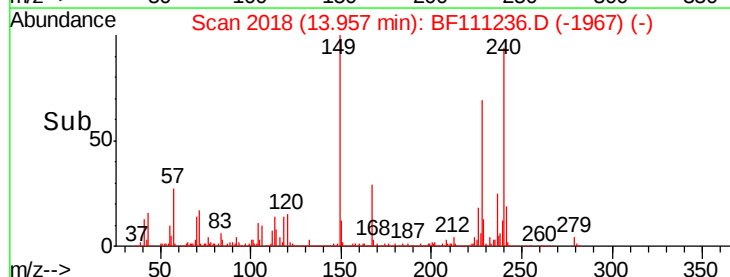
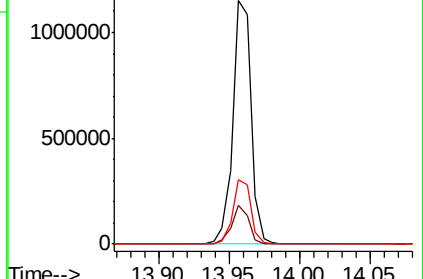
236 26.6 20.2 30.2

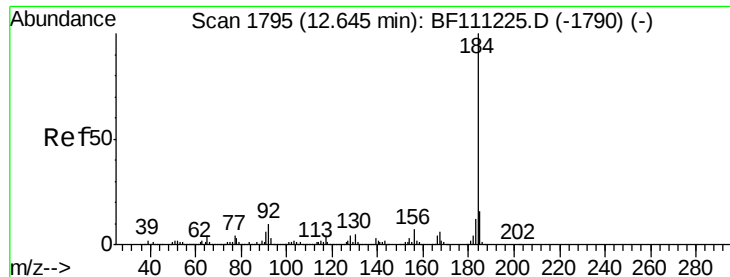


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.561 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampled :

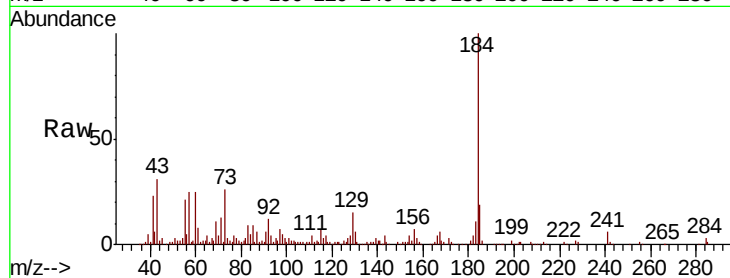
Tot Ion:184 Resp: 233018

Ion Ratio Lower Upper

184 100

185 19.5 13.0 19.6

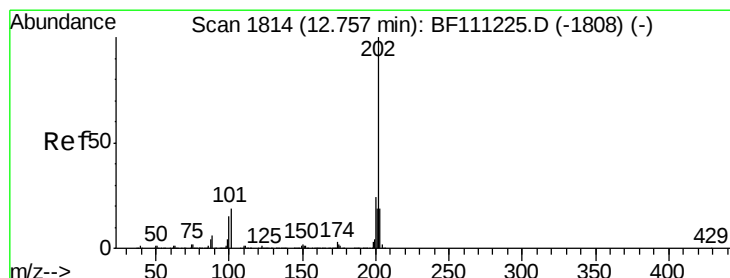
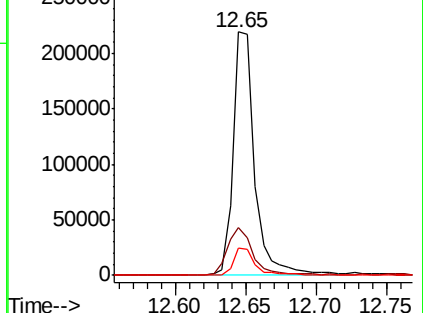
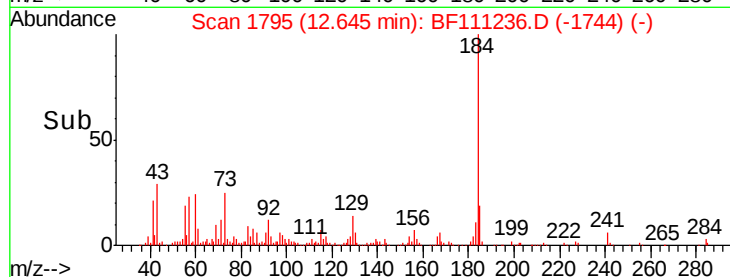
183 11.3 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.864 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

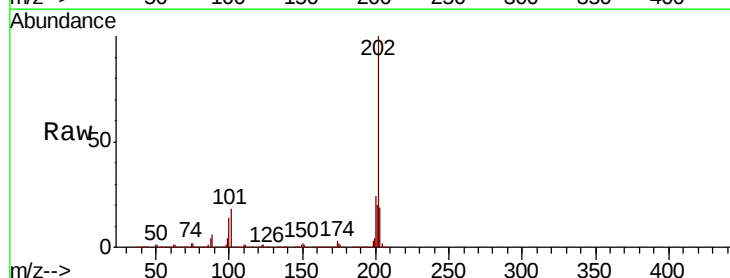
Tgt Ion:202 Resp: 3846808

Ion Ratio Lower Upper

202 100

200 24.1 19.0 28.4

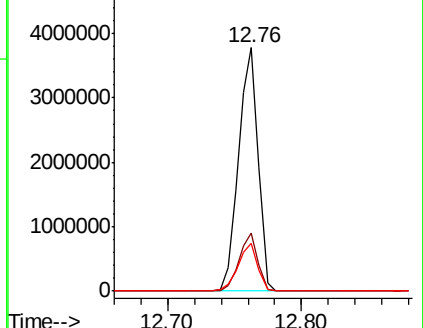
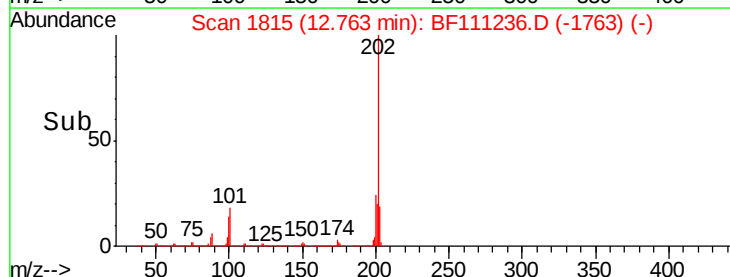
203 19.4 15.2 22.8

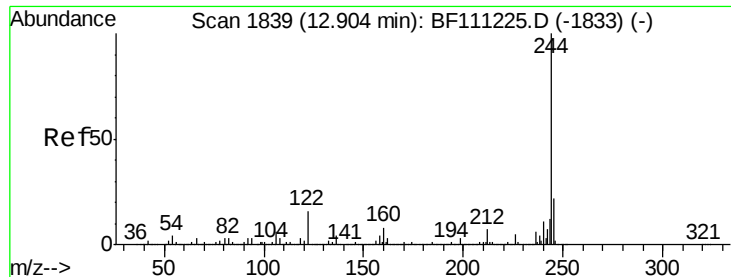


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

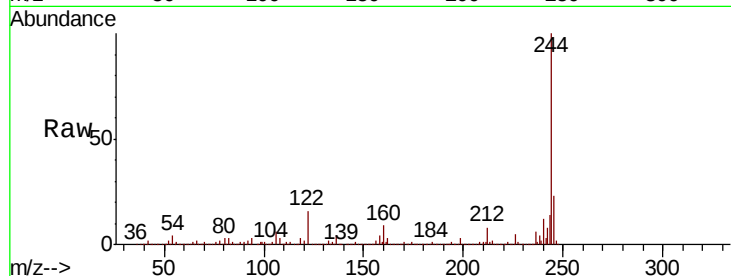




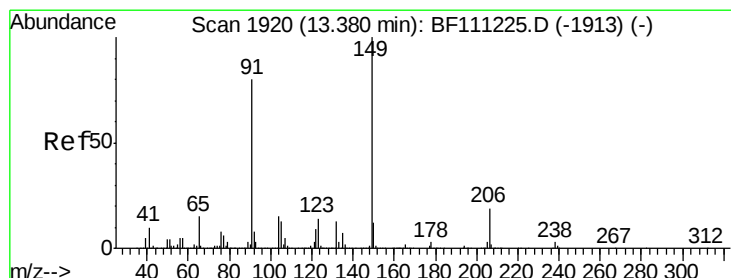
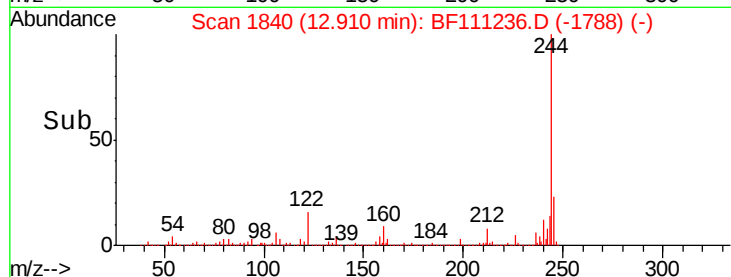
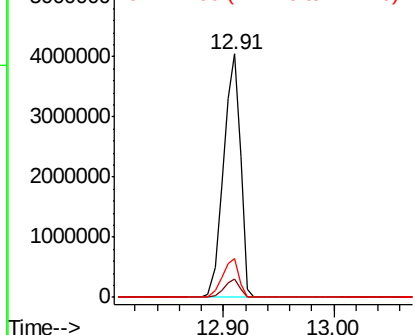
#79
 Terphenyl-d14
 Concen: 100.262 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 4338467
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 16.1 13.1 19.7

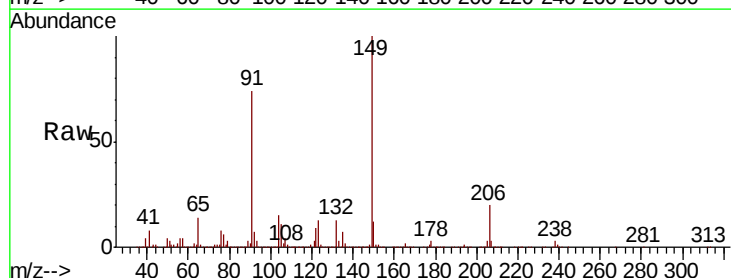


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

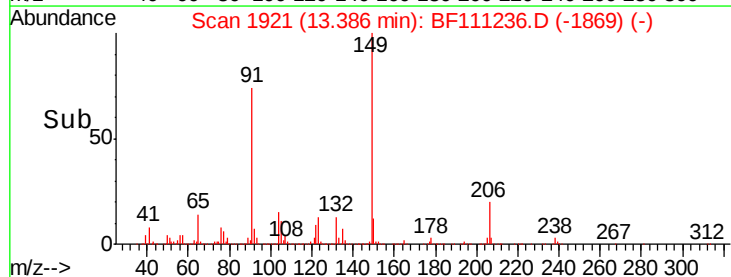
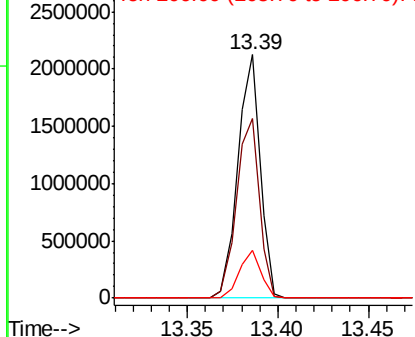


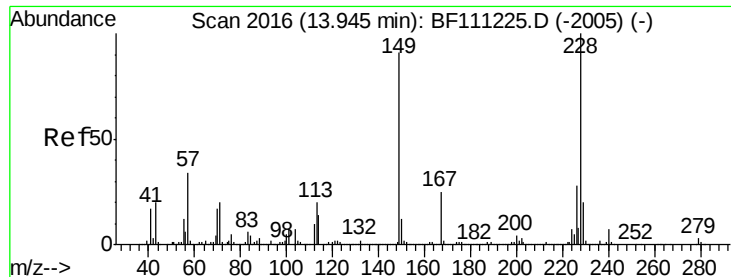
#80
 Butylbenzylphthalate
 Concen: 47.122 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion:149 Resp: 1825554
 Ion Ratio Lower Upper
 149 100
 91 73.7 63.8 95.6
 206 19.6 15.1 22.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.957 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

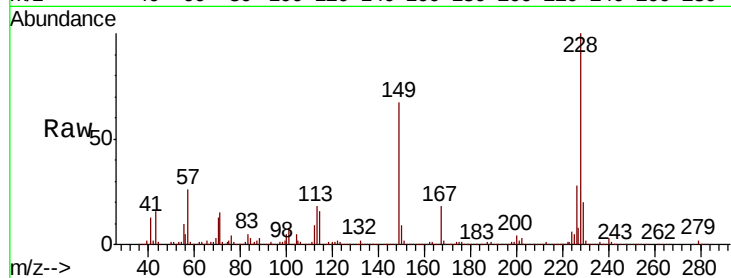
Tot Ion:228 Resp: 2603248

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

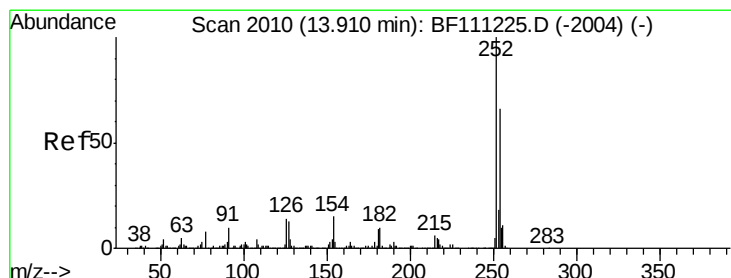
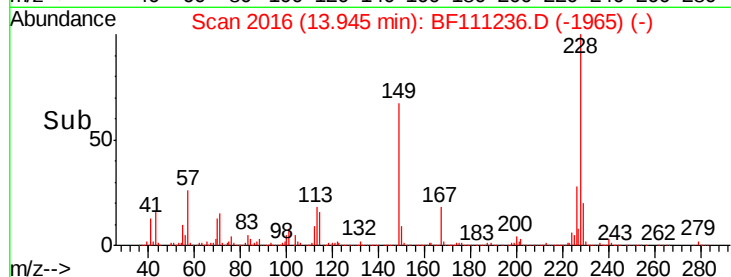
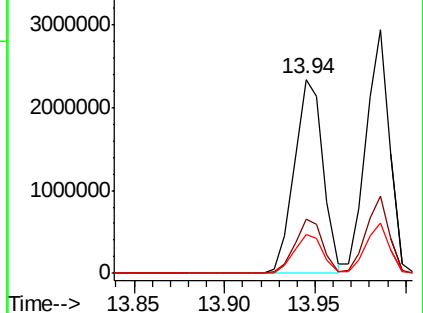
229 20.1 16.3 24.5



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



#82

3,3'-Dichlorobenzidine

Concen: 25.098 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

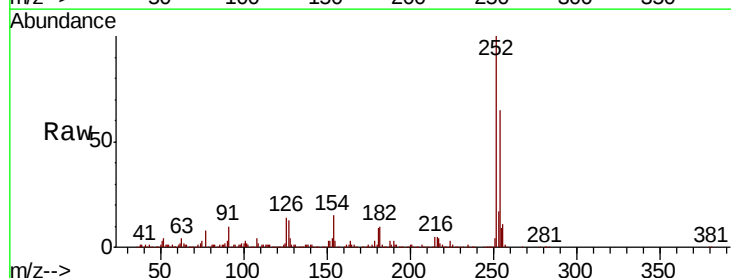
Tgt Ion:252 Resp: 595664

Ion Ratio Lower Upper

252 100

254 64.5 52.7 79.1

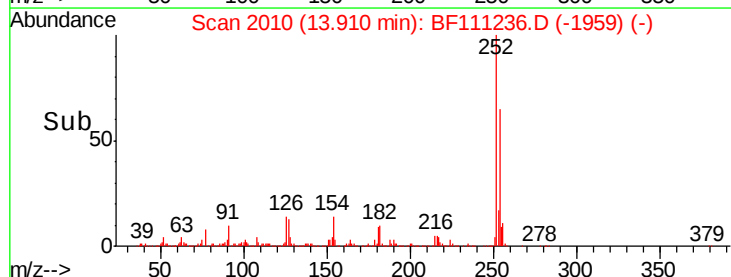
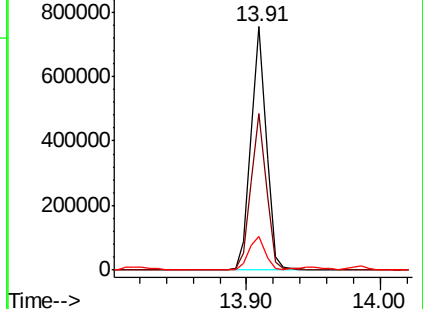
126 13.9 11.1 16.7

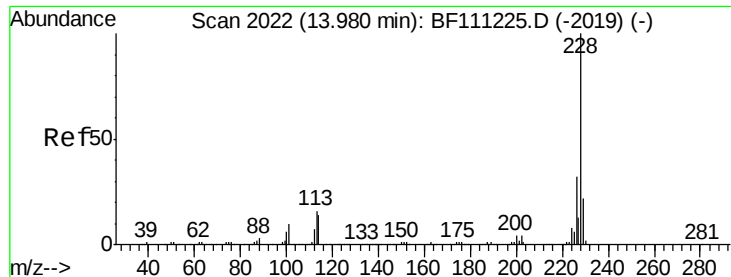


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

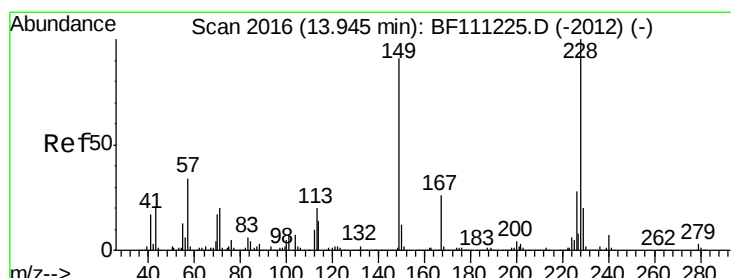
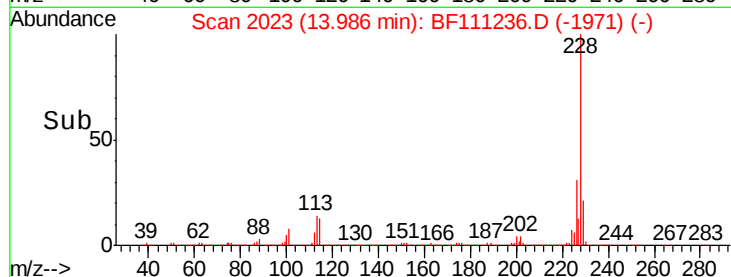
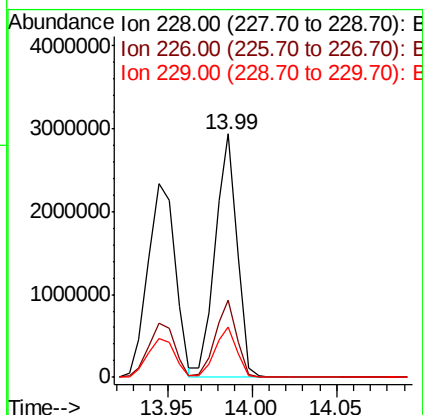
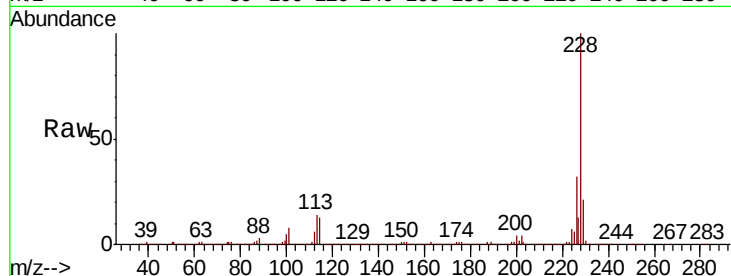




#83
 Chrvsene
 Concen: 44.677 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

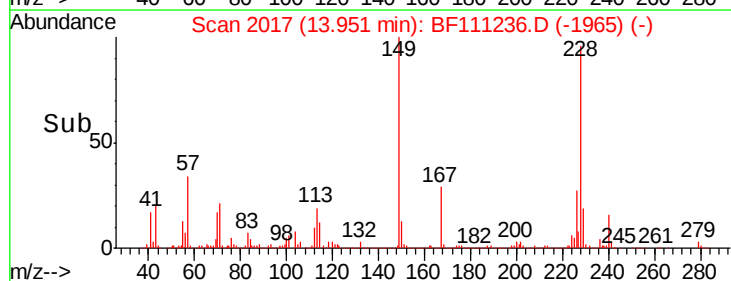
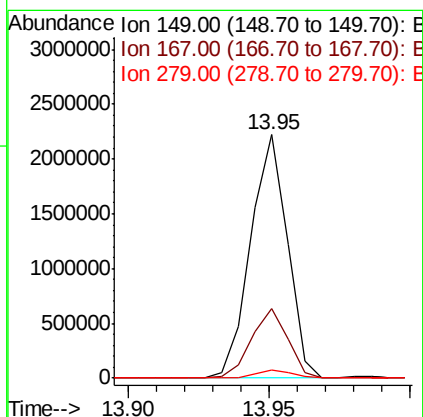
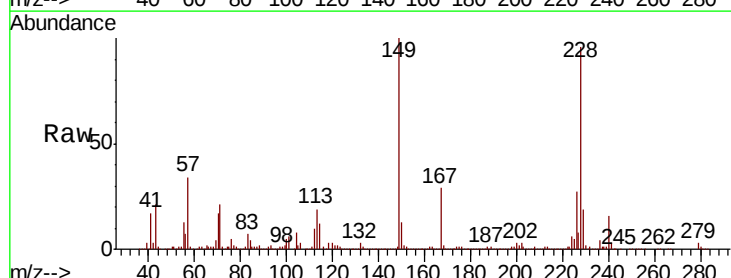
Instrument :
 BNA_F
 ClientSampleId :

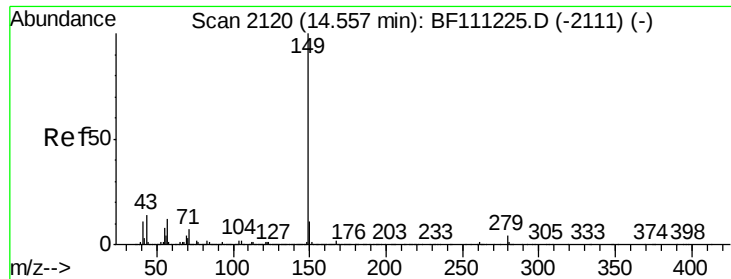
Tot Ion:228 Resp: 2667043
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.3 37.9
 229 20.8 17.2 25.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 43.658 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111236.D
 Acq: 10 Dec 2018 12:23

Tgt Ion:149 Resp: 2009771
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.5 33.7
 279 3.5 2.6 4.0

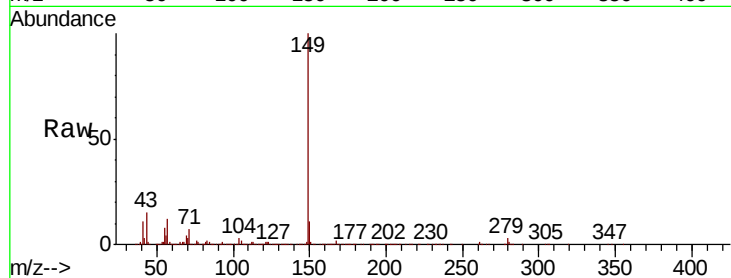




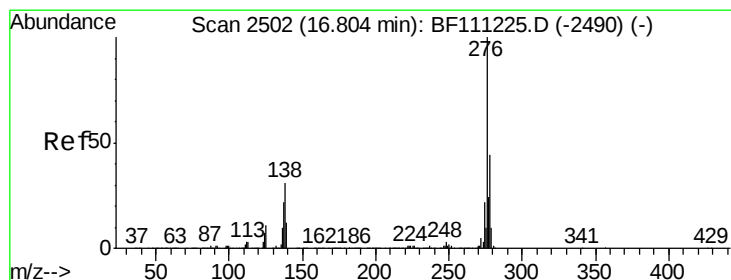
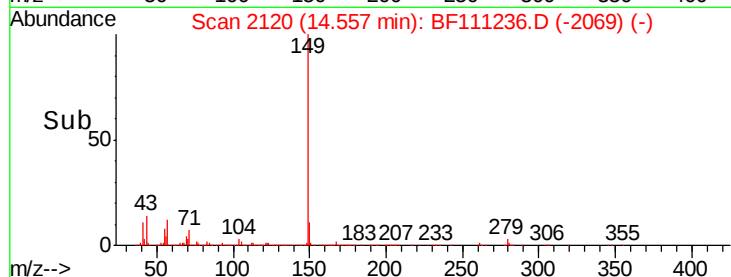
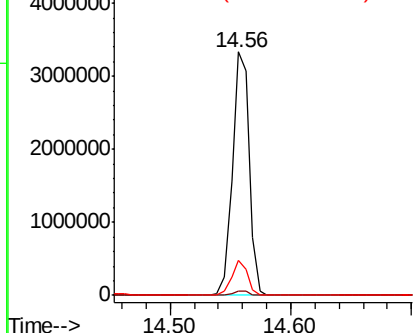
#85
Di-n-octyl phthalate
Concen: 41.741 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 3220662
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 13.4 10.9 16.3

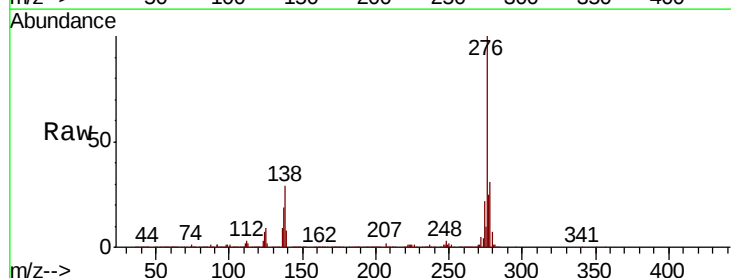


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

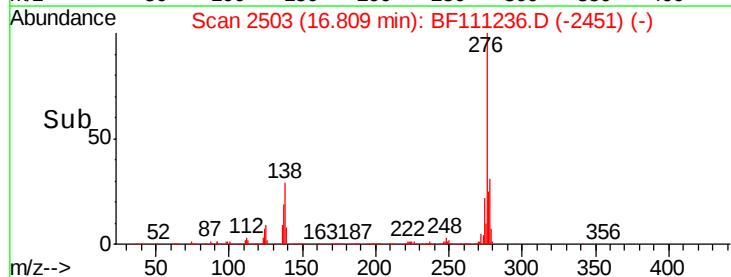
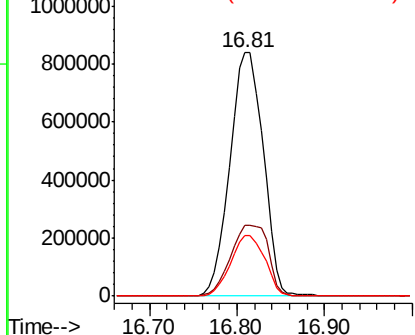


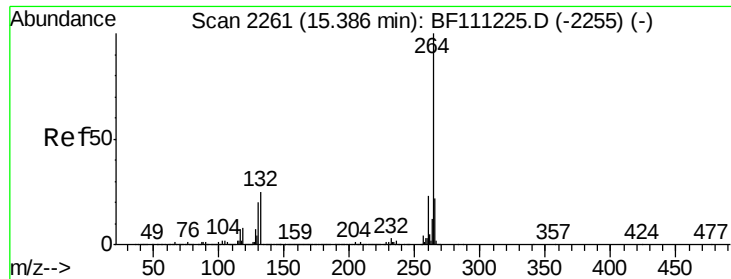
#86
Indeno(1,2,3-cd)pyrene
Concen: 45.227 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:276 Resp: 2179400
Ion Ratio Lower Upper
276 100
138 32.7 27.8 41.6
277 25.3 20.1 30.1



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



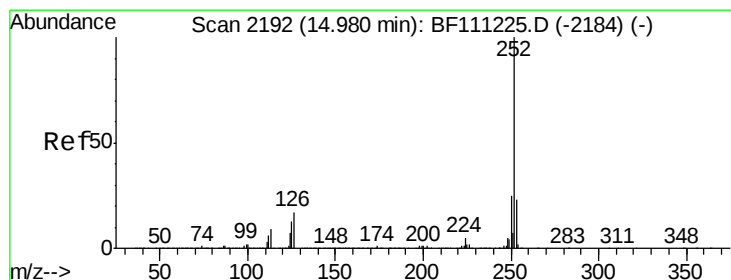
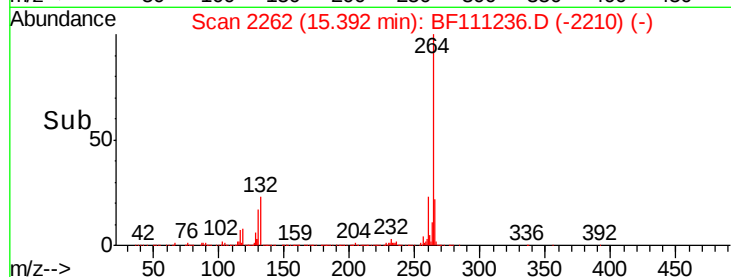
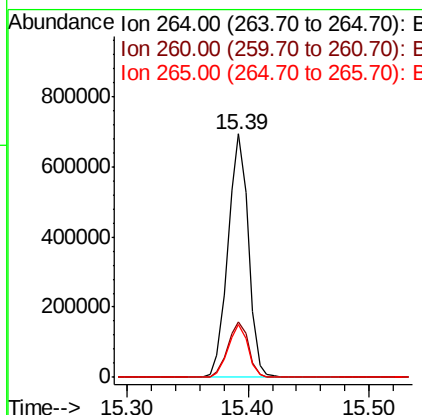
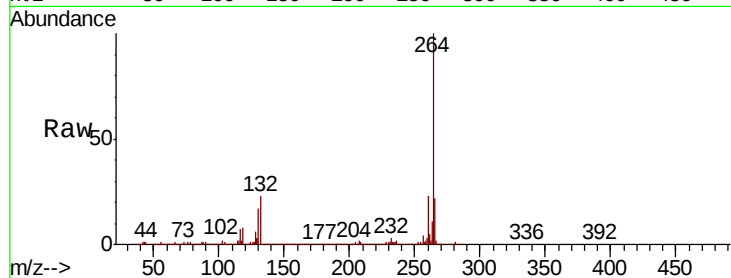


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 814292

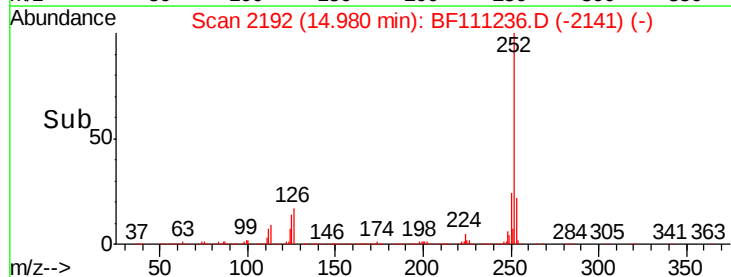
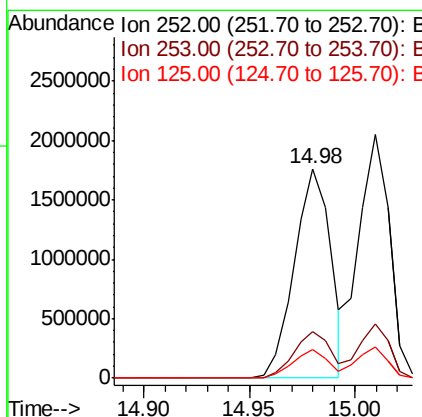
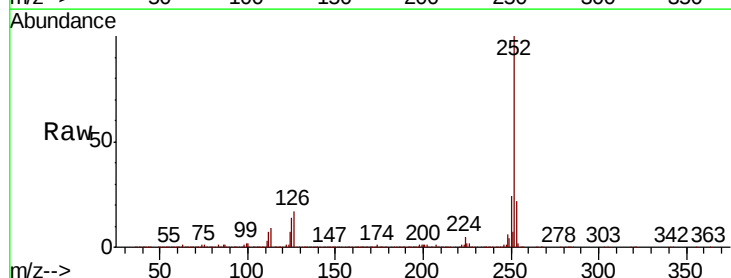
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	21.8	17.7	26.5

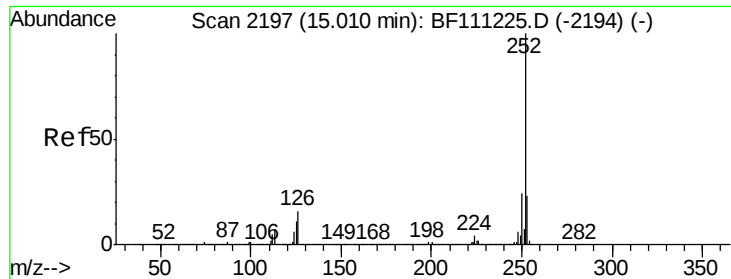


#88
Benzo(b)fluoranthene
Concen: 46.843 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:252 Resp: 2109434

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	13.8	10.4	15.6

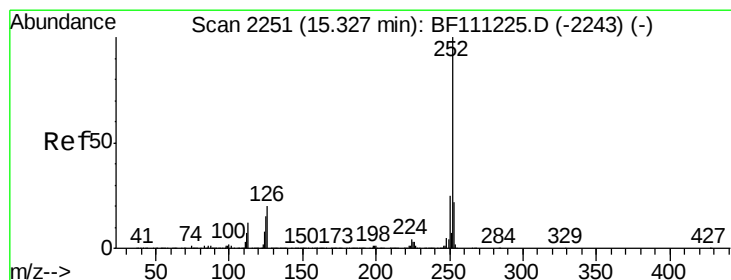
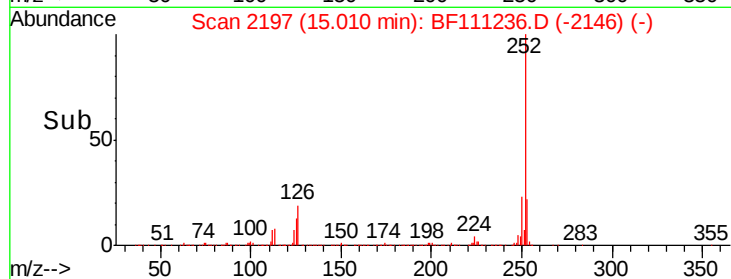
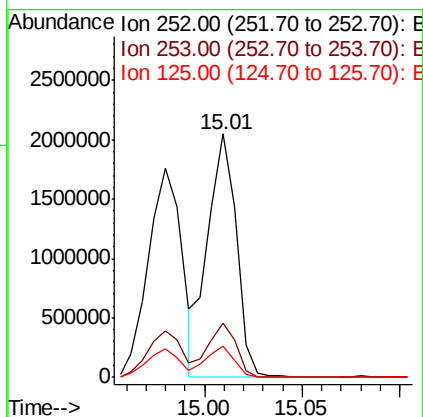
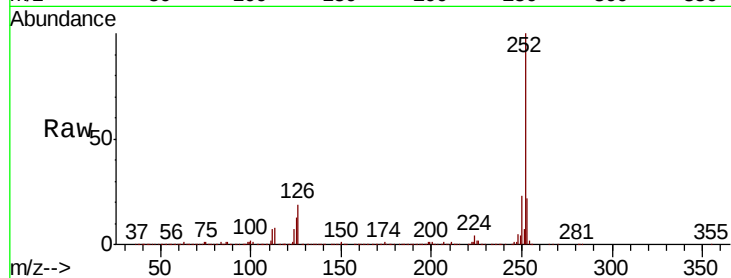




#89
Benzo(k)fluoranthene
Concen: 49.270 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

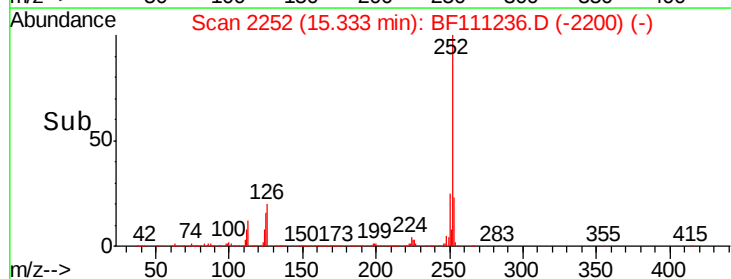
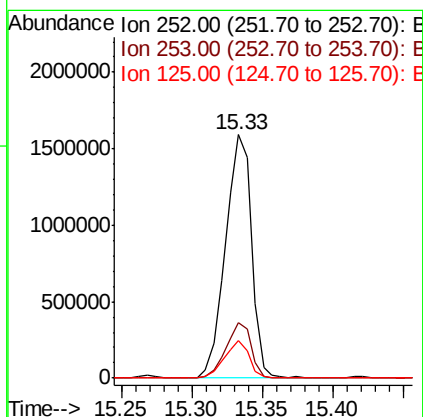
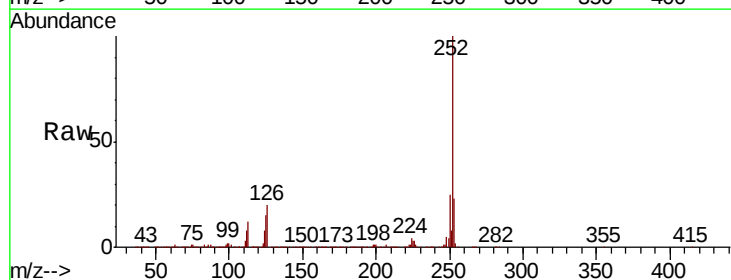
Instrument :
BNA_F
ClientSampleId :

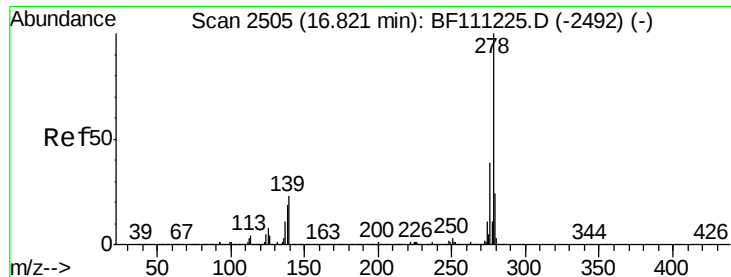
Tot Ion:252 Resp: 2086025
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 12.9 9.8 14.8



#90
Benzo(a)pyrene
Concen: 49.289 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111236.D
Acq: 10 Dec 2018 12:23

Tgt Ion:252 Resp: 2043962
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 15.5 12.3 18.5





#91

Dibenzo(a,h)anthracene

Concen: 57.317 ng

RT: 16.83 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

Instrument :

BNA_F

ClientSampleId :

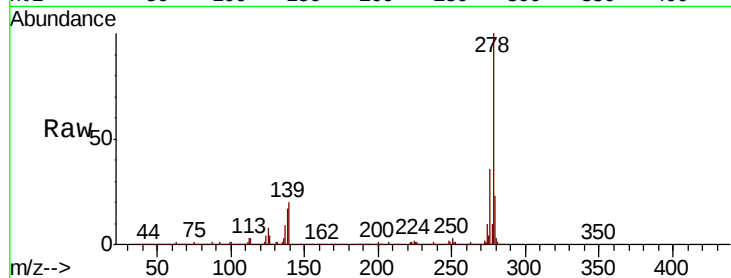
Tot Ion:278 Resp: 1866892

Ion Ratio Lower Upper

278 100

139 20.2 18.2 27.4

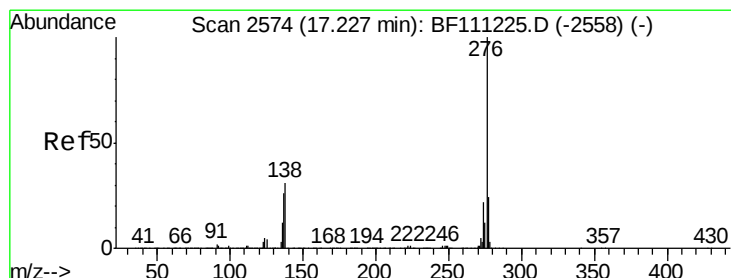
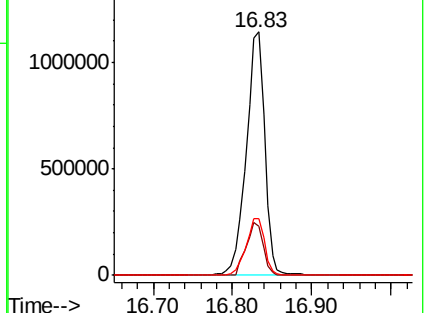
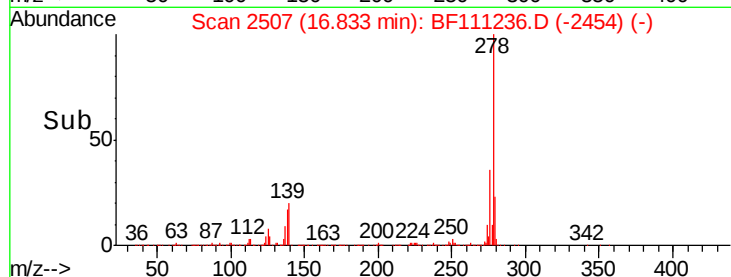
279 23.5 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 66.285 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF111236.D

Acq: 10 Dec 2018 12:23

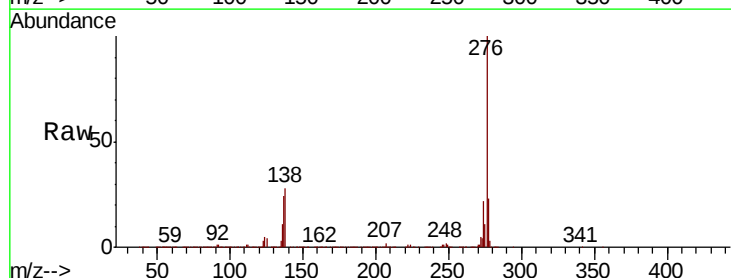
Tgt Ion:276 Resp: 2161260

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 28.3 24.9 37.3



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

