

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103244.D
 Acq On : 27 Feb 2018 3:14
 Operator : SJ/JU
 Sample : J1649-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 04:32:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140815	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	555232	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	211612	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	320410	20.00	ng	0.00
75) Chrysene-d12	14.06	240	207609	20.00	ng	0.00
86) Perylene-d12	15.55	264	152579	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1141164	122.57	ng	0.02
7) Phenol-d6	6.52	99	1351777	118.65	ng	0.01
23) Nitrobenzene-d5	7.45	82	867000	89.18	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	199912	111.61	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1104834	91.59	ng	0.00
78) Terphenyl-d14	12.99	244	837187	96.94	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.69	88	198572	40.38	ng	91
3) Pyridine	3.49	79	544076	41.44	ng	96
4) n-Nitrosodimethylamine	3.43	42	268775	50.76	ng	97
6) Aniline	6.55	93	450575	27.40	ng	98
8) 2-Chlorophenol	6.67	128	433174	44.79	ng	99
9) Benzaldehyde	6.43	77	254083	35.51	ng	99
10) Phenol	6.53	94	547421	41.39	ng	84
11) bis(2-Chloroethyl)ether	6.61	93	452030	45.03	ng	89
12) 1,3-Dichlorobenzene	6.82	146	456434	41.29	ng	97
13) 1,4-Dichlorobenzene	6.89	146	465554	42.01	ng	99
14) 1,2-Dichlorobenzene	7.05	146	422742	41.37	ng	100
15) Benzyl Alcohol	7.02	79	347381	40.46	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.15	45	736809	42.74	ng	92
17) 2-Methylphenol	7.13	107	369227	42.01	ng	96
18) Hexachloroethane	7.38	117	98279	24.36	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	285354	40.24	ng	96
20) 3+4-Methylphenols	7.29	107	416989	38.92	ng	# 60
22) Acetophenone	7.29	105	557081	42.98	ng	# 90
24) Nitrobenzene	7.46	77	465887	43.52	ng	99
25) Isophorone	7.70	82	861226	44.98	ng	99
26) 2-Nitrophenol	7.77	139	136321	27.05	ng	97
27) 2,4-Dimethylphenol	7.81	122	377559	49.02	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	541869	48.13	ng	99
29) 2,4-Dichlorophenol	8.02	162	333272	45.19	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	332754	42.37	ng	98
31) Naphthalene	8.18	128	1152246	42.39	ng	99
32) Benzoic acid	7.92	122	89179	20.27	ng	99
33) 4-Chloroaniline	8.23	127	270553	23.06	ng	99
34) Hexachlorobutadiene	8.29	225	172417	42.16	ng	97
35) Caprolactam	8.60	113	111096	42.86	ng	# 76
36) 4-Chloro-3-methylphenol	8.72	107	351675	42.28	ng	99
37) 2-Methylnaphthalene	8.87	142	726665	41.36	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	273917	47.35	ng	99
40) Hexachlorocyclopentadiene	9.02	237	1881	9.70	ng	96

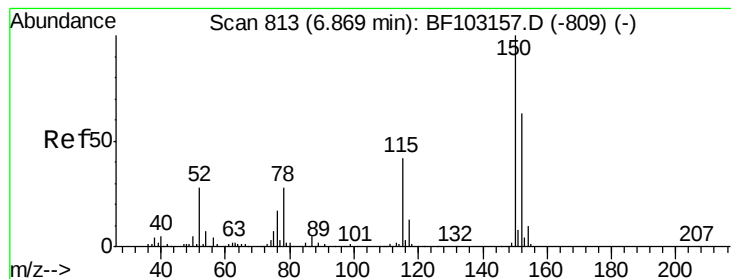
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103244.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	188793	48.50	nq	99
43) 2,4,5-Trichlorophenol	9.20	196	194916	43.54	nq	96
45) 1,1'-Biphenyl	9.33	154	816813	46.06	nq	98
46) 2-Chloronaphthalene	9.36	162	633231	45.14	nq	99
47) 2-Nitroaniline	9.46	65	268620	51.69	nq	88
48) Acenaphthylene	9.78	152	927363	42.96	nq	99
49) Dimethylphthalate	9.63	163	858135	50.55	nq	99
50) 2,6-Dinitrotoluene	9.70	165	127861	35.89	nq	94
51) Acenaphthene	9.95	154	529706	42.09	nq	99
52) 3-Nitroaniline	9.87	138	221117	48.92	nq	98
53) 2,4-Dinitrophenol	10.00	184	1730	10.80	nq	# 21
54) Dibenzofuran	10.12	168	780456	45.17	nq	97
55) 4-Nitrophenol	10.05	139	201766	72.03	nq	93
56) 2,4-Dinitrotoluene	10.11	165	134041	29.75	nq	92
57) Fluorene	10.47	166	585397	39.77	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.25	232	127131	42.27	nq	96
59) Diethylphthalate	10.33	149	726885	44.77	nq	99
60) 4-Chlorophenyl-phenylether	10.46	204	269782	43.22	nq	95
61) 4-Nitroaniline	10.49	138	211683	46.89	nq	94
62) Azobenzene	10.62	77	680552	41.18	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	1922	5.83	nq	89
65) n-Nitrosodiphenylamine	10.57	169	530861	47.58	nq	100
66) 4-Bromophenyl-phenylether	10.95	248	155617	46.62	nq	94
67) Hexachlorobenzene	11.02	284	158194	43.67	nq	99
68) Atrazine	11.10	200	126010	37.58	nq	99
69) Pentachlorophenol	11.22	266	123914	70.74	nq	98
70) Phenanthrene	11.43	178	777572	44.10	nq	99
71) Anthracene	11.49	178	809636	44.78	nq	99
72) Carbazole	11.64	167	788490	43.79	nq	99
73) Di-n-butylphthalate	11.96	149	1030035	45.72	nq	100
74) Fluoranthene	12.63	202	783761	44.23	nq	99
76) Benzidine	12.75	184	647323	83.40	nq	98
77) Pyrene	12.86	202	793057	49.00	nq	100
79) Butylbenzylphthalate	13.46	149	431719	50.48	nq	96
80) Benzo(a)anthracene	14.04	228	617004	45.80	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	249074	51.81	nq	98
82) Chrysene	14.09	228	557995	42.66	nq	99
83) Bis(2-ethylhexyl)phthalate	14.02	149	587135	50.88	nq	# 100
84) Di-n-octyl phthalate	14.64	149	952383	51.08	nq	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	454782	43.92	nq	98
87) Benzo(b)fluoranthene	15.12	252	450346	44.89	nq	98
88) Benzo(k)fluoranthene	15.14	252	458688	48.56	nq	99
89) Benzo(a)pyrene	15.49	252	427297	47.70	nq	98
90) Dibenzo(a,h)anthracene	17.09	278	373265	53.92	nq	99
91) Benzo(g,h,i)perylene	17.54	276	368613	54.48	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

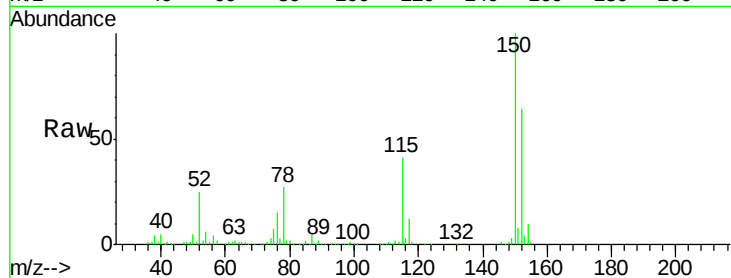
Tot Ion:152 Resp: 140815

Ion Ratio Lower Upper

152 100

150 155.7 124.6 186.8

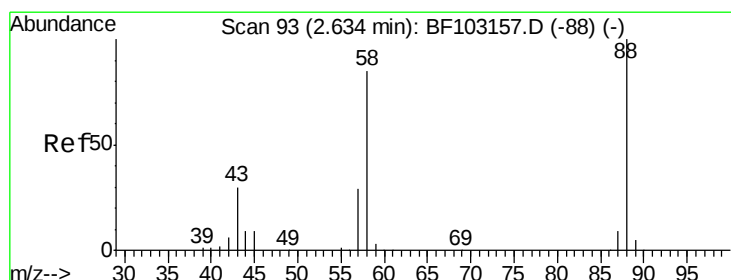
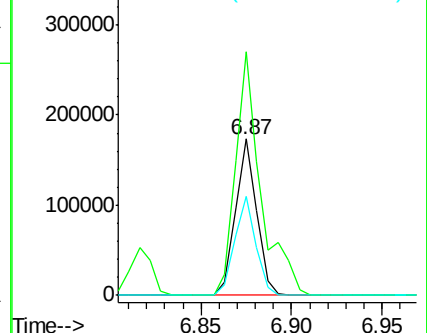
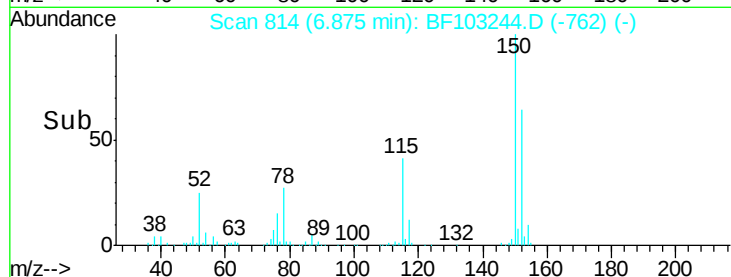
115 63.7 50.1 75.1



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



#2

1,4-Dioxane

Concen: 40.38 ng

RT: 2.69 min Scan# 103

Delta R.T. 0.06 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

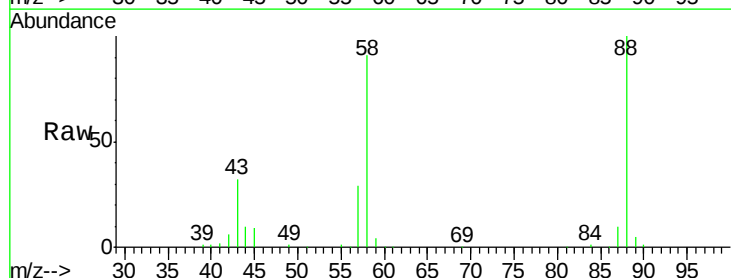
Tgt Ion: 88 Resp: 198572

Ion Ratio Lower Upper

88 100

58 89.5 62.6 93.8

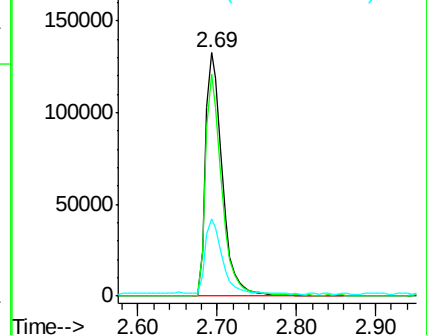
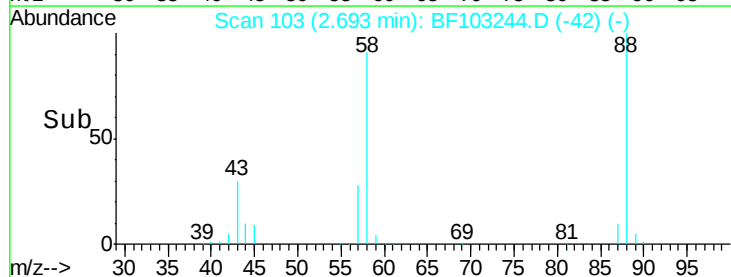
43 31.1 24.6 37.0



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: 41.44 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.08 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

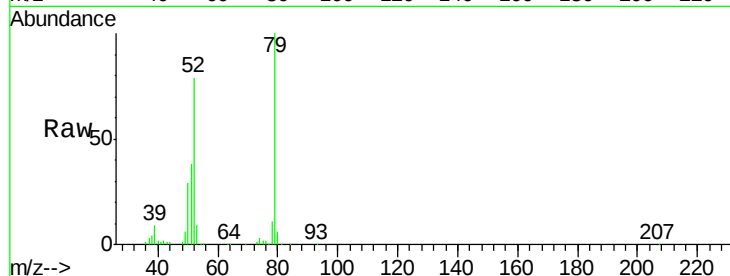
Tot Ion: 79 Resp: 544076

Ion Ratio Lower Upper

79 100

52 79.1 59.8 89.6

51 37.8 29.8 44.8



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

3.49

150000

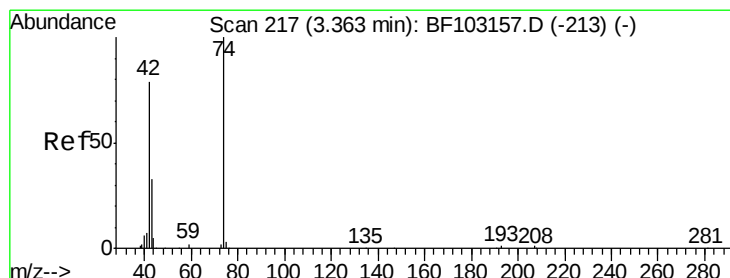
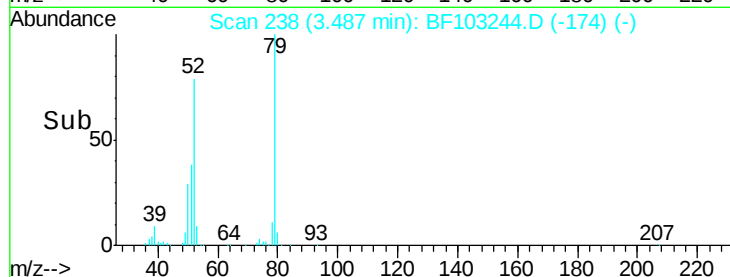
100000

50000

0

Time-->

3.40 3.50 3.60 3.70



#4

n-Nitrosodimethylamine

Concen: 50.76 ng

RT: 3.43 min Scan# 228

Delta R.T. 0.06 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

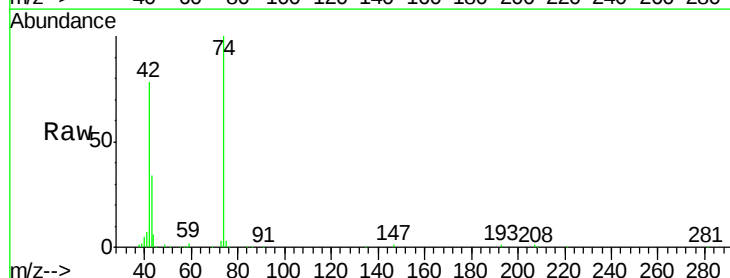
Tgt Ion: 42 Resp: 268775

Ion Ratio Lower Upper

42 100

74 128.1 104.9 157.3

44 7.2 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1

250000

200000

150000

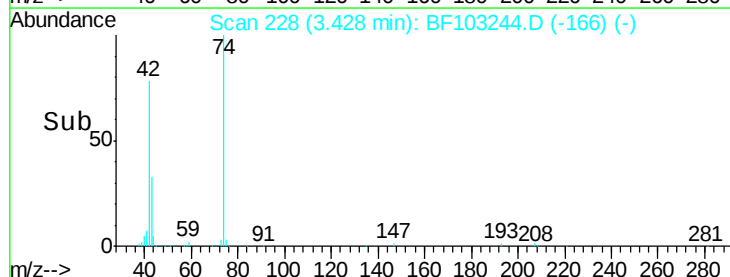
100000

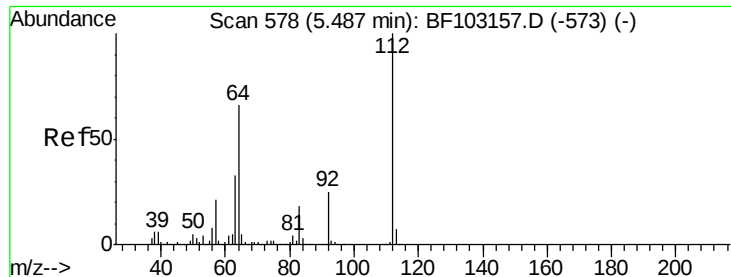
50000

0

Time-->

3.40 3.50





#5

2-Fluorophenol

Concen: 122.57 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

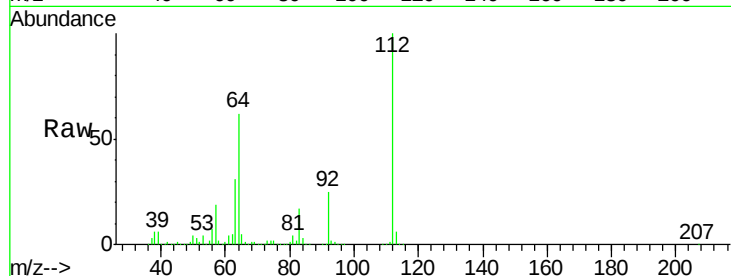
Tot Ion:112 Resp: 1141164

Ion Ratio Lower Upper

112 100

64 61.9 47.9 71.9

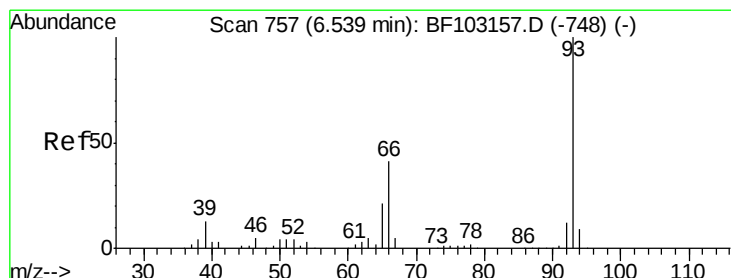
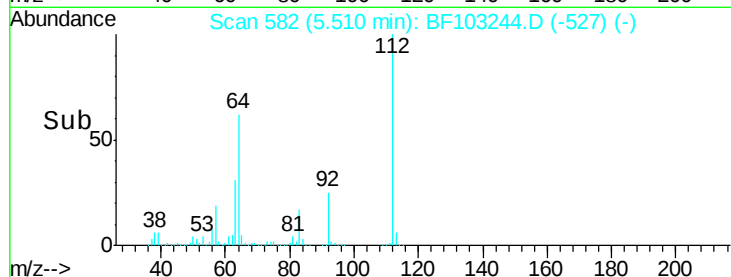
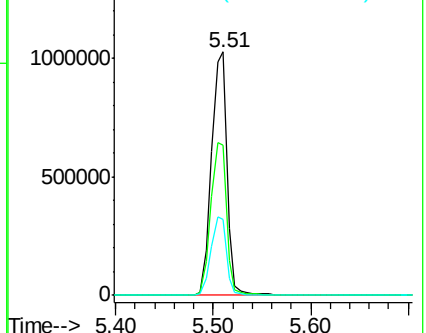
63 31.3 23.7 35.5



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: 27.40 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

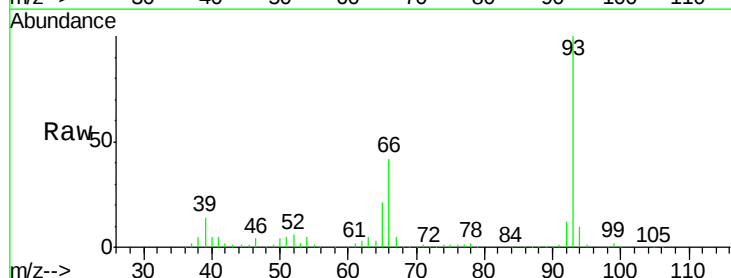
Tgt Ion: 93 Resp: 450575

Ion Ratio Lower Upper

93 100

66 41.6 32.2 48.2

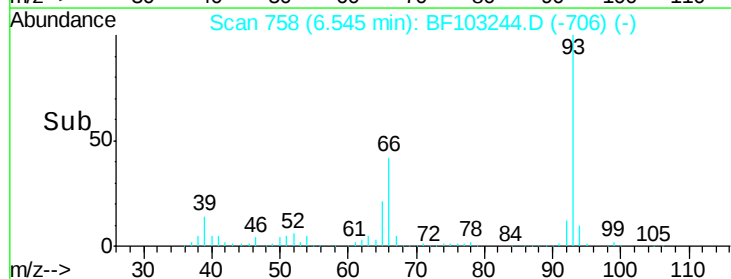
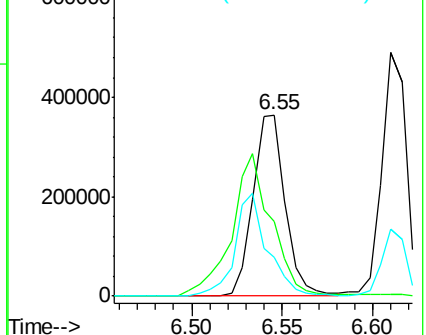
65 21.3 16.4 24.6

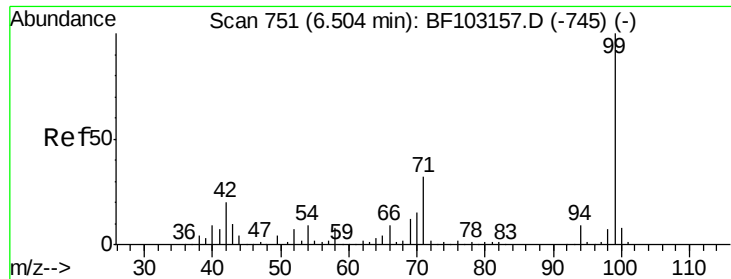


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.65 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

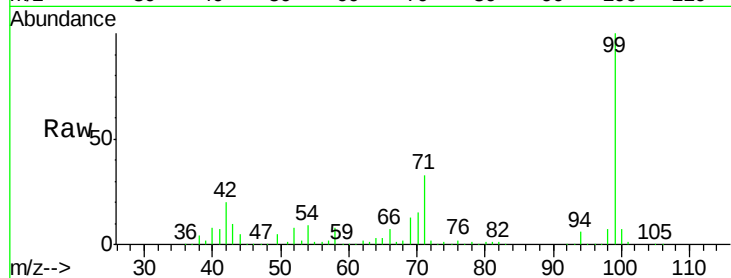
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1351777

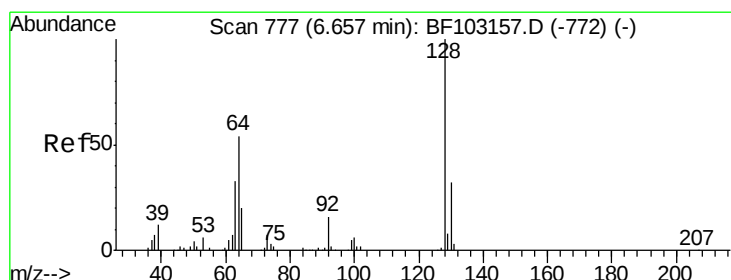
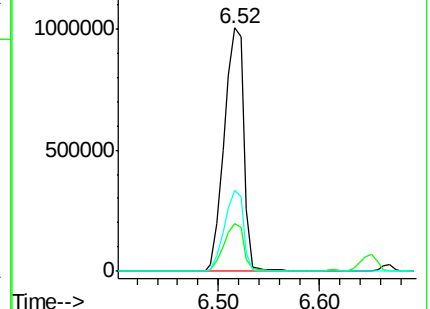
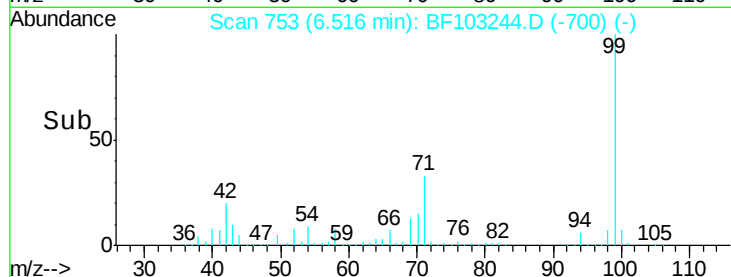
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	33.5	25.4	38.0



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: 44.79 ng

RT: 6.67 min Scan# 779

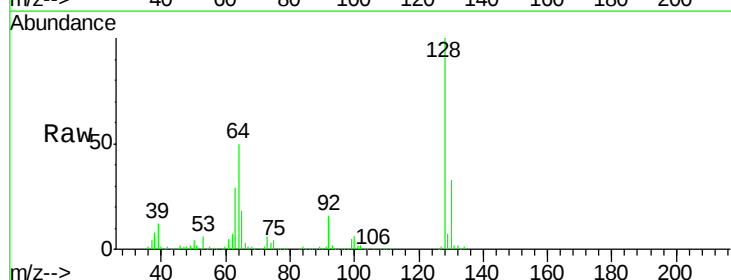
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:128 Resp: 433174

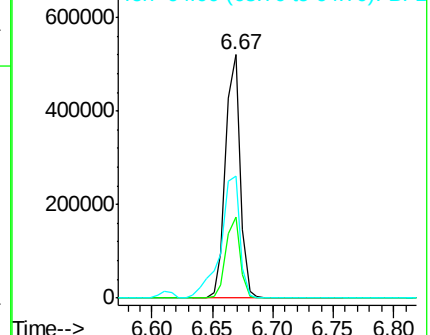
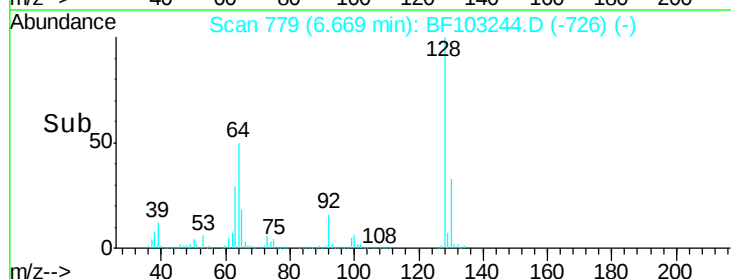
Ion	Ratio	Lower	Upper
128	100		
130	33.3	13.0	53.0
64	50.3	29.4	69.4

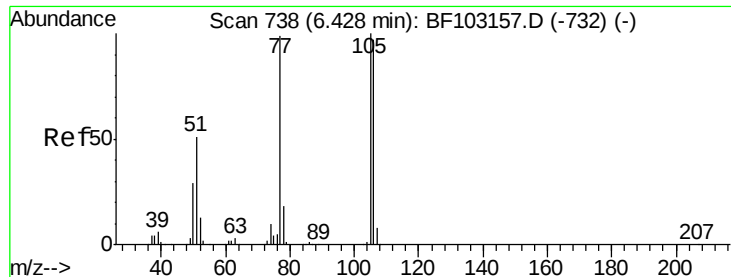


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 35.51 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampled :

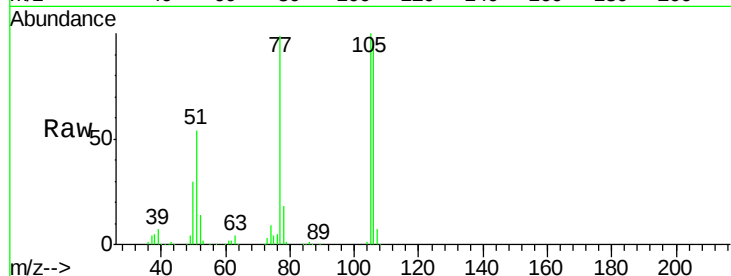
Tot Ion: 77 Resp: 254083

Ion Ratio Lower Upper

77 100

105 101.0 81.1 121.1

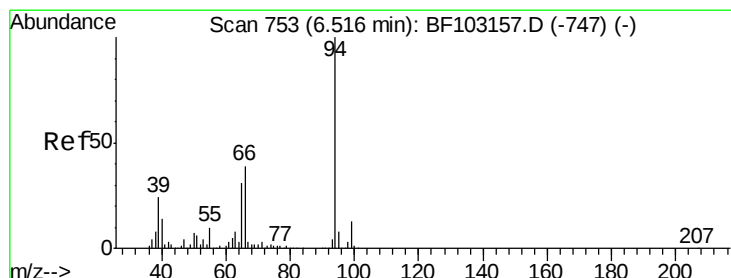
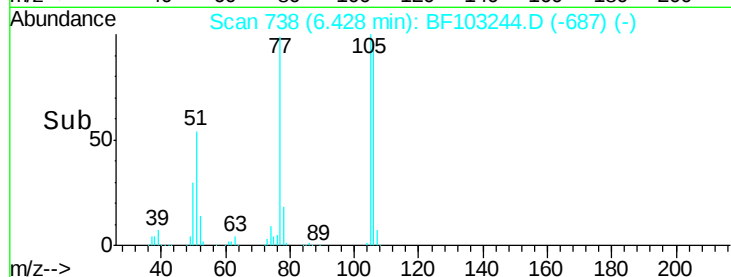
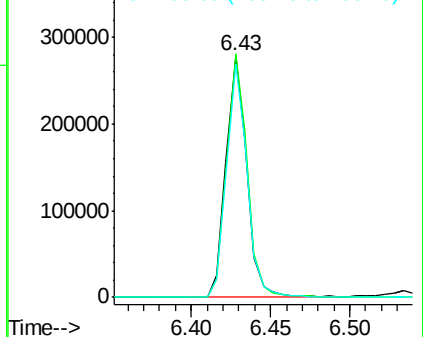
106 96.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.39 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.02 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

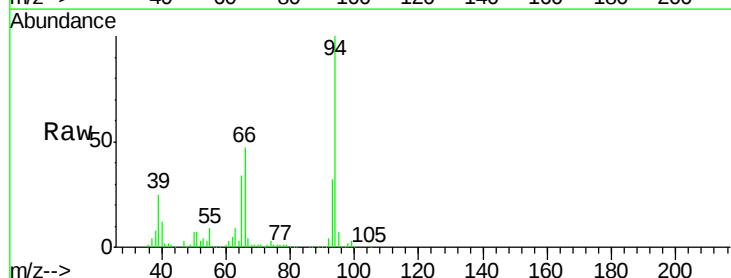
Tgt Ion: 94 Resp: 547421

Ion Ratio Lower Upper

94 100

65 34.4 7.9 47.9

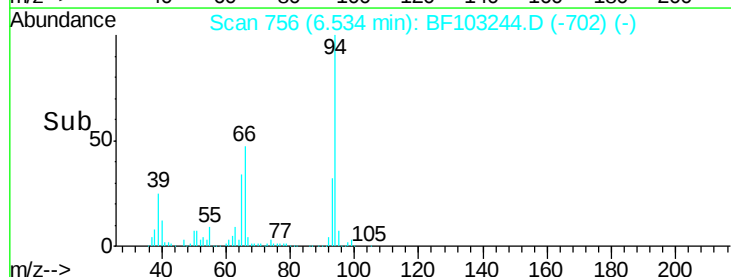
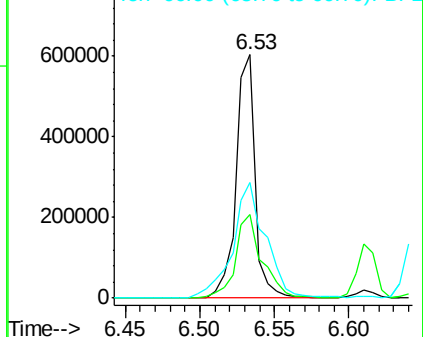
66 47.4 16.2 56.2

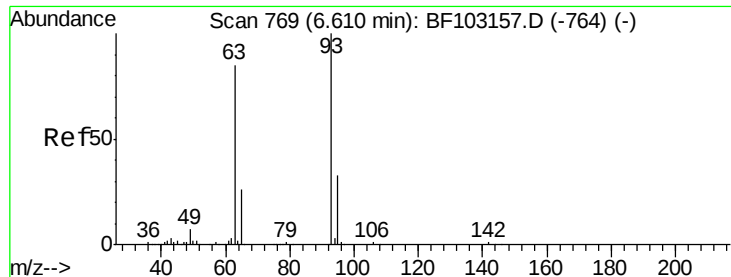


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 45.03 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

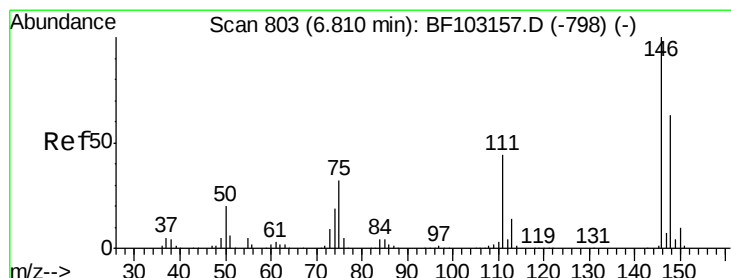
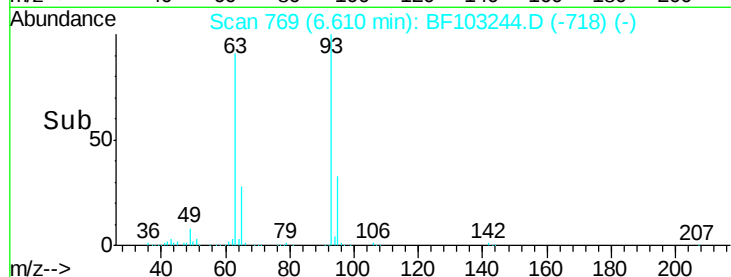
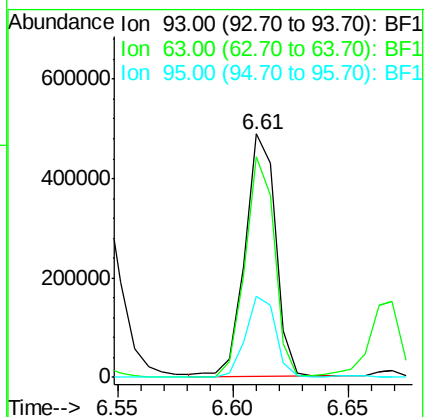
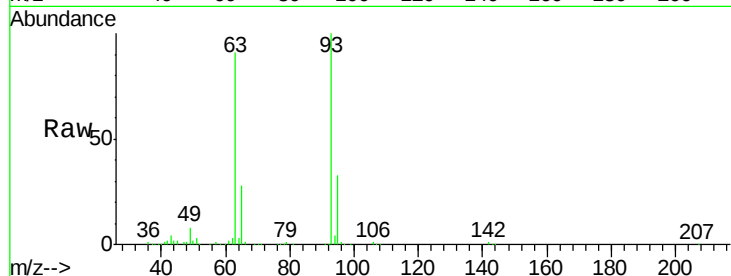
Tot Ion: 93 Resp: 452030

Ion Ratio Lower Upper

93 100

63 90.8 58.6 98.6

95 33.1 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 41.29 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

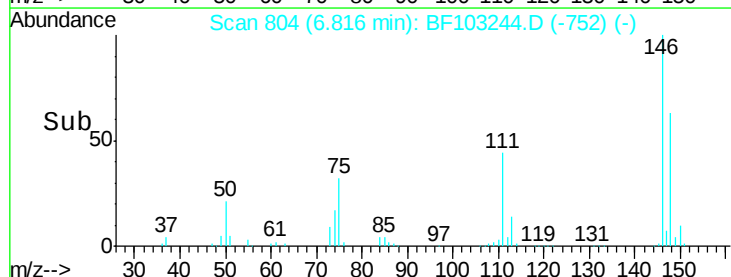
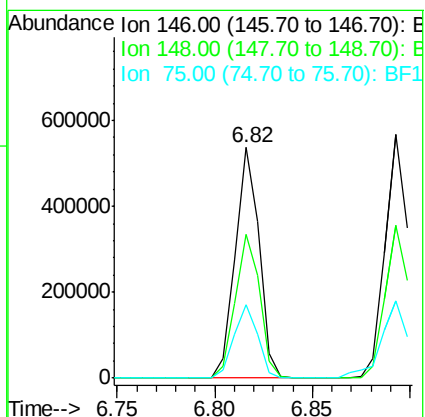
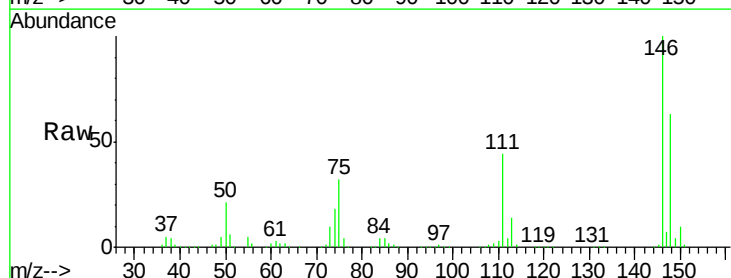
Tgt Ion: 146 Resp: 456434

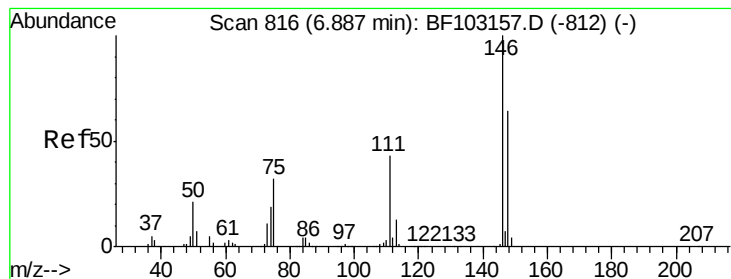
Ion Ratio Lower Upper

146 100

148 62.5 51.8 77.8

75 31.8 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 42.01 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

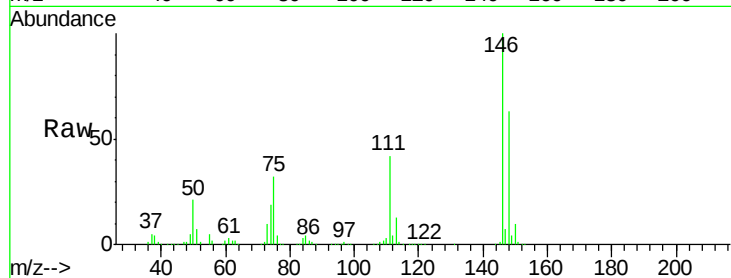
Tot Ion:146 Resp: 465554

Ion Ratio Lower Upper

146 100

148 62.8 50.8 76.2

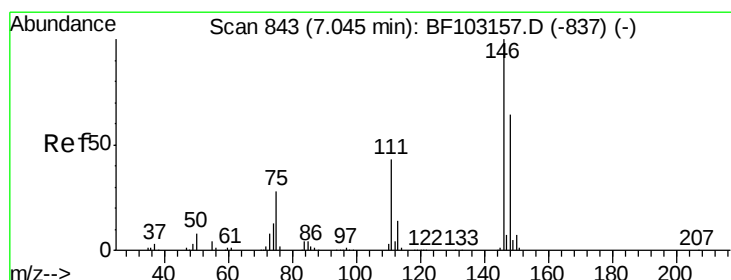
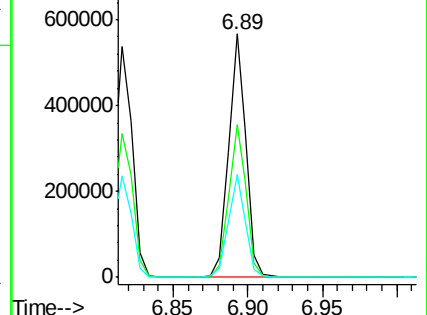
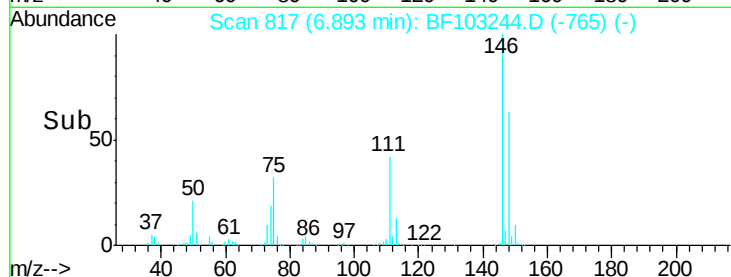
111 42.0 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.37 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

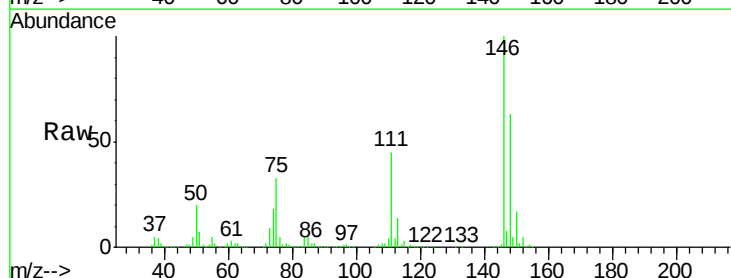
Tgt Ion:146 Resp: 422742

Ion Ratio Lower Upper

146 100

148 63.4 50.6 75.8

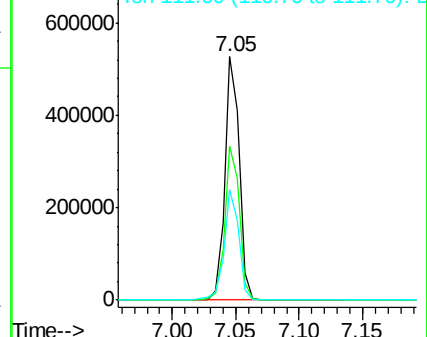
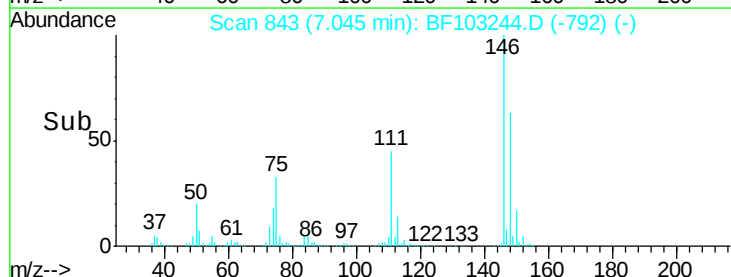
111 45.4 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.46 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

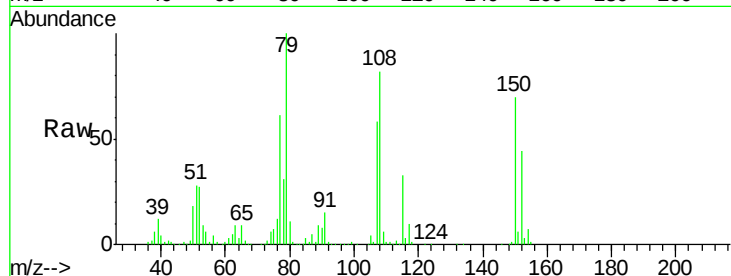
Tot Ion: 79 Resp: 347381

Ion Ratio Lower Upper

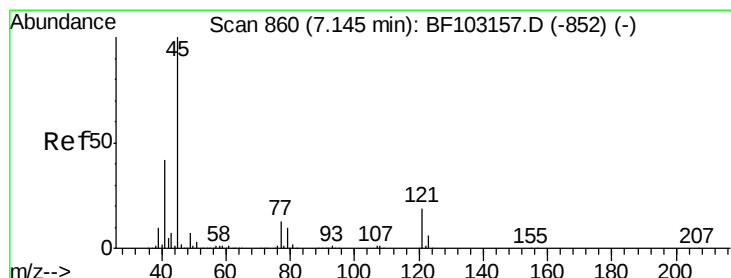
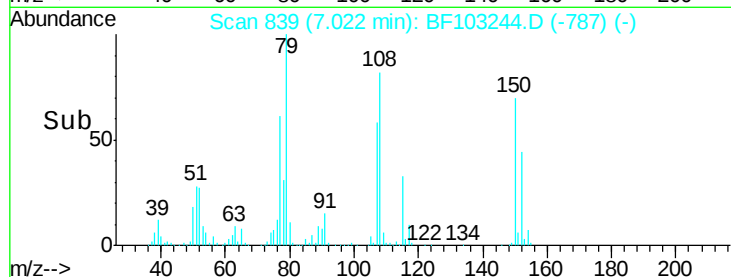
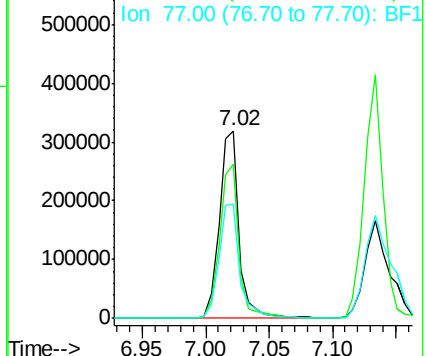
79 100

108 82.0 65.1 97.7

77 61.3 50.6 75.8



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.74 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

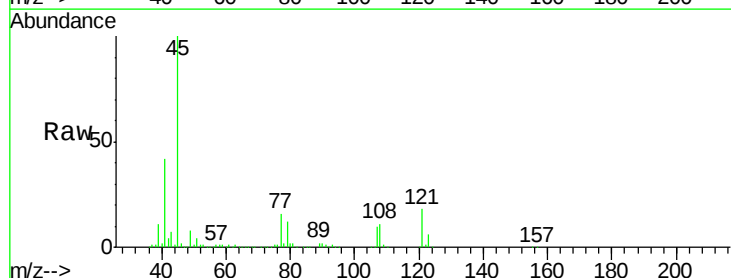
Tgt Ion: 45 Resp: 736809

Ion Ratio Lower Upper

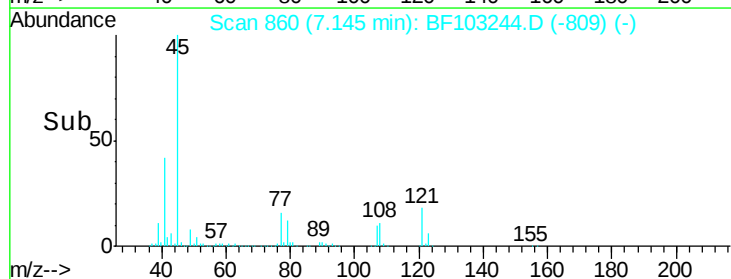
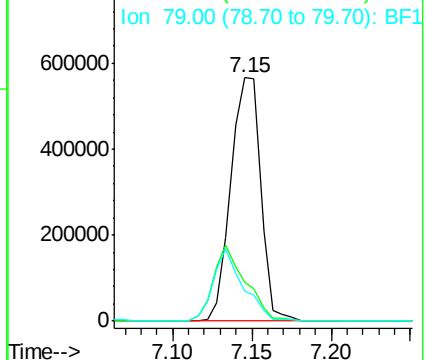
45 100

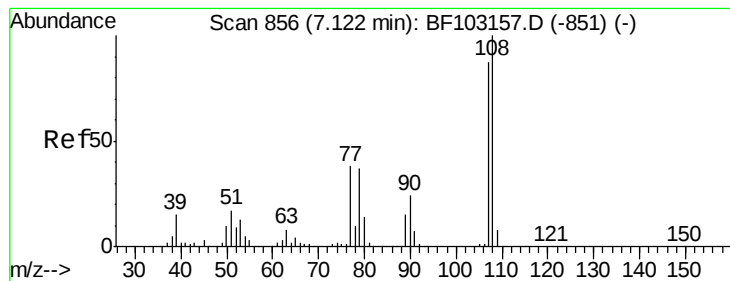
77 16.1 0.0 32.9

79 12.4 0.0 29.6



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





#17

2-Methylphenol

Concen: 42.01 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 369227

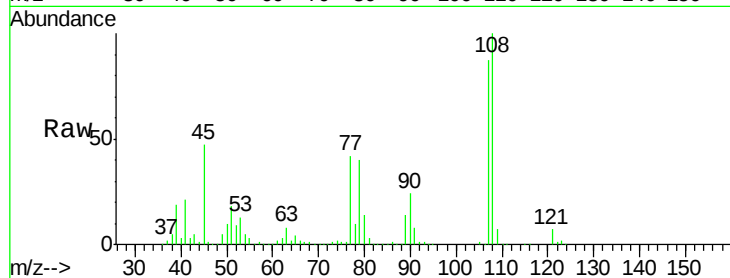
Ion Ratio Lower Upper

107 100

108 115.6 91.7 137.5

77 49.0 33.8 50.8

79 46.4 33.8 50.8

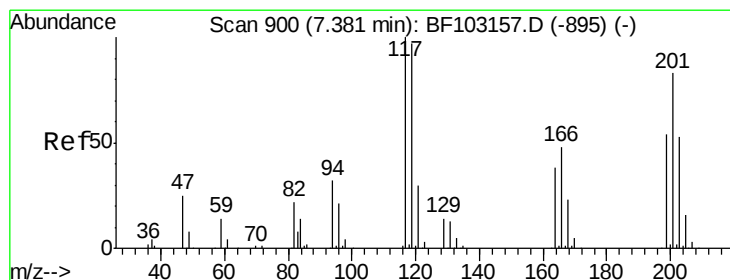
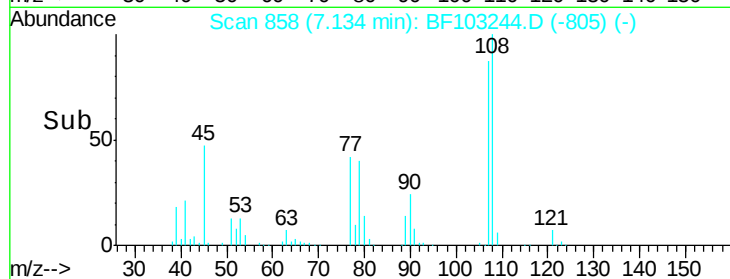
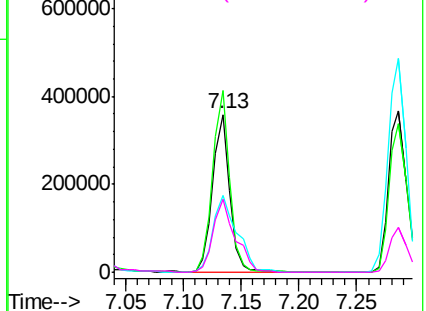


Abundance Ion 107.00 (106.70 to 107.70): E

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: 24.36 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

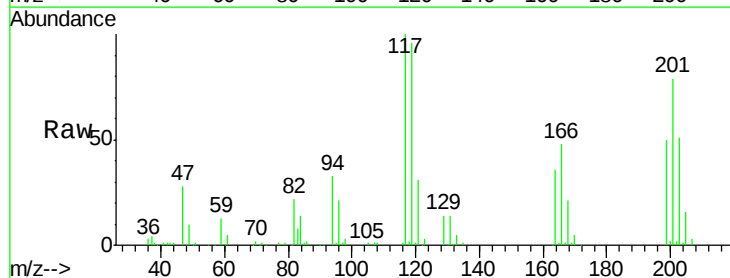
Tgt Ion:117 Resp: 98279

Ion Ratio Lower Upper

117 100

119 96.2 75.8 113.8

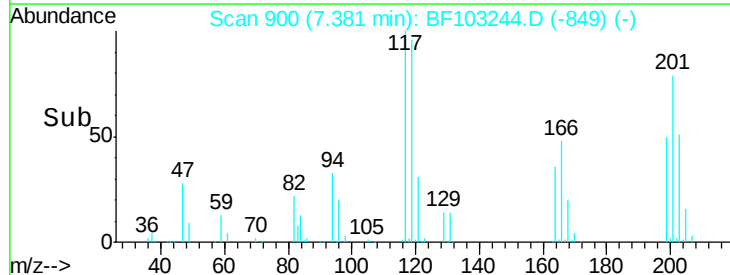
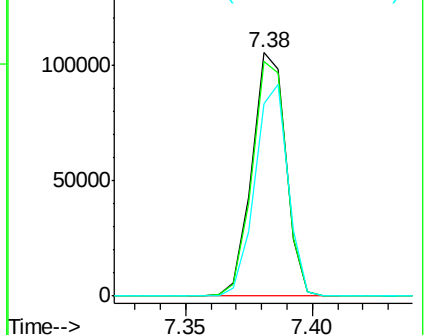
201 79.3 75.7 113.5

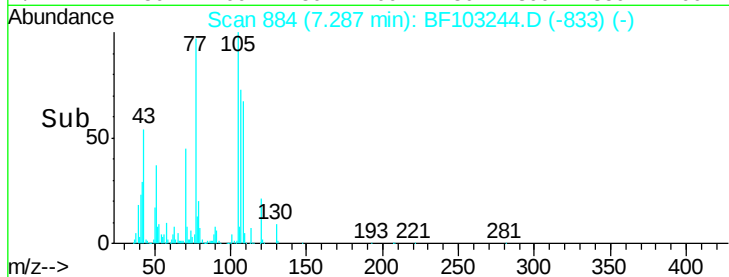
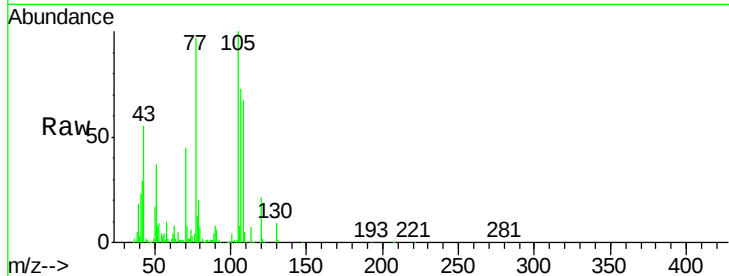
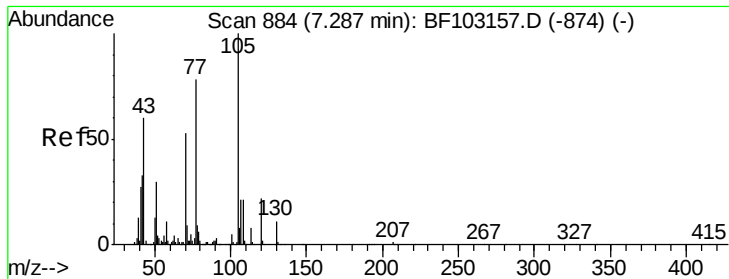


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

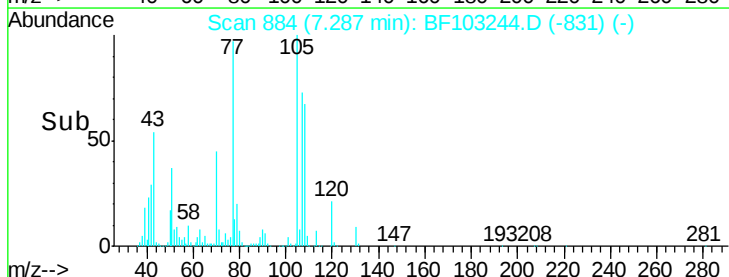
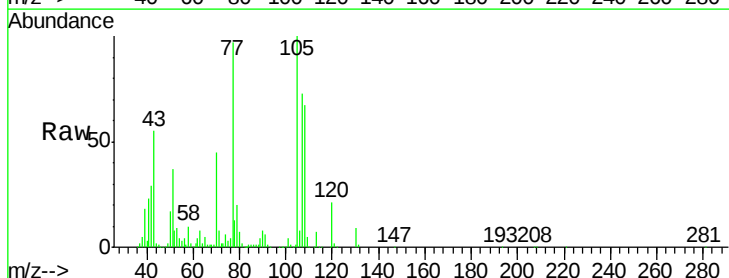
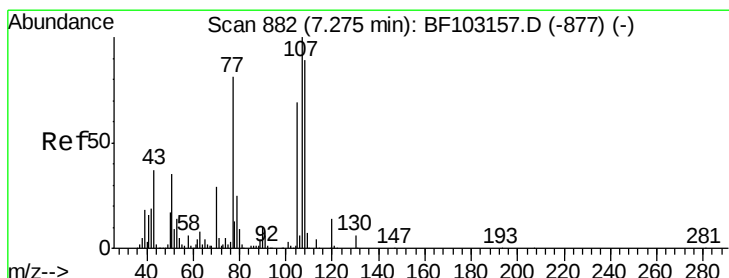
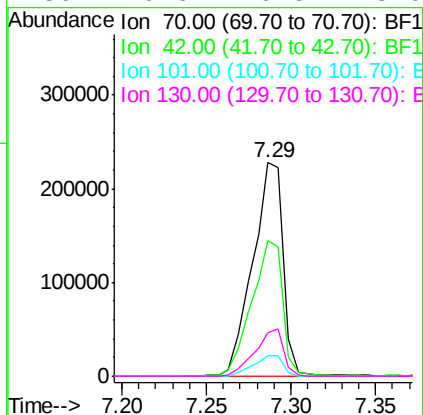




#19
n-Nitroso-di-n-propylamine
Concen: 40.24 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

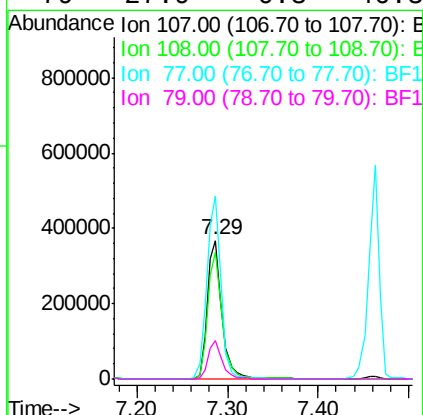
Instrument :
BNA_F
ClientSampleId :

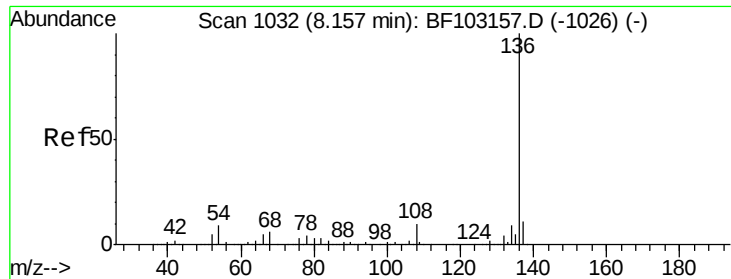
Tot Ion:	70	Resp:	285354
Ion	Ratio	Lower	Upper
70	100		
42	63.3	47.5	71.3
101	9.4	7.4	11.2
130	20.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 38.92 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:	107	Resp:	416989
Ion	Ratio	Lower	Upper
107	100		
108	91.6	68.2	108.2
77	131.9	26.7	66.7#
79	27.9	6.3	46.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 555232

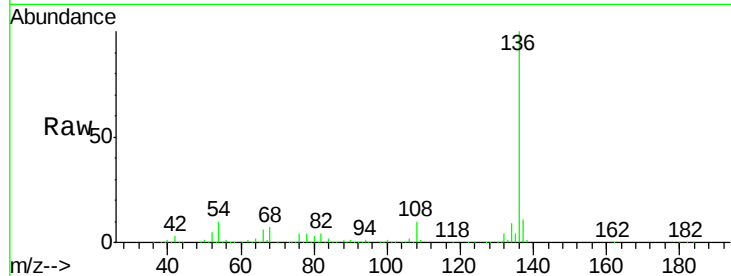
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.6 6.6 9.8

68 7.1 5.0 7.4

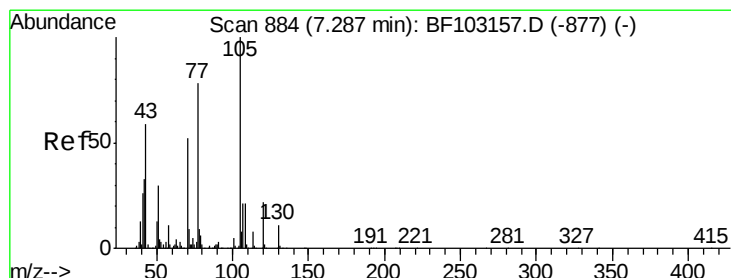
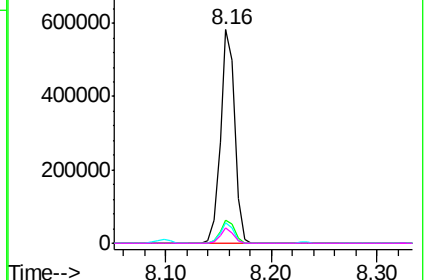
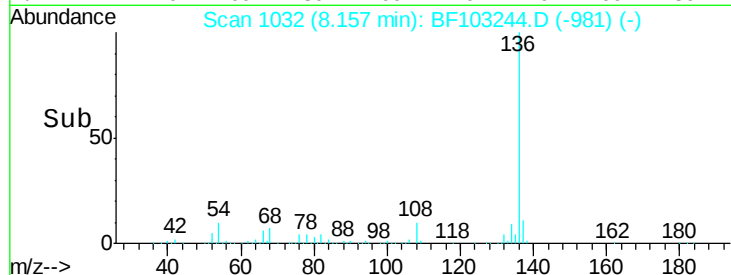


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.98 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:105 Resp: 557081

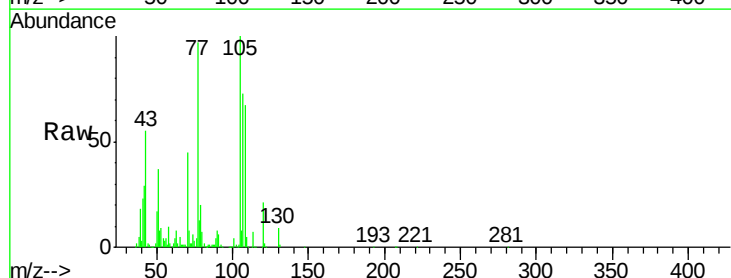
Ion Ratio Lower Upper

105 100

71 7.8 4.4 6.6#

51 37.3 22.3 33.5#

120 21.1 16.9 25.3

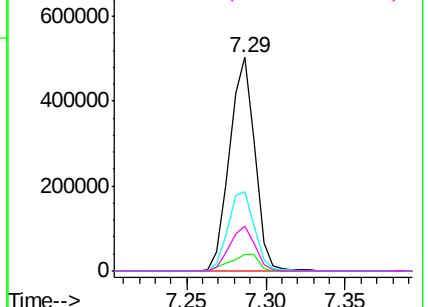
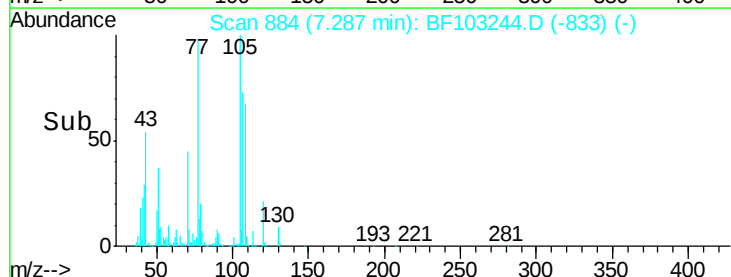


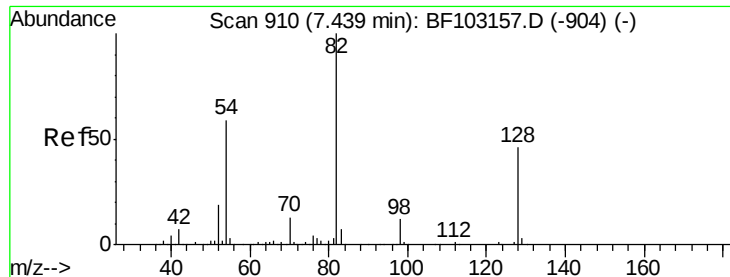
Abundance Ion 105.00 (104.70 to 105.70): E

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

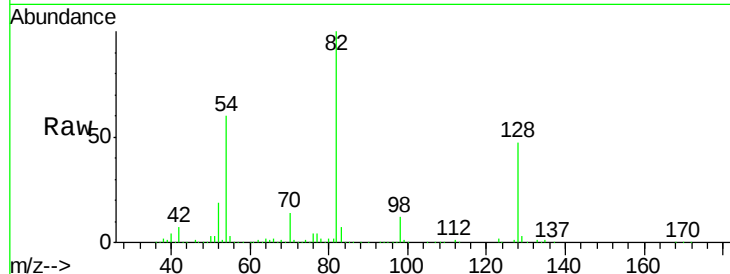




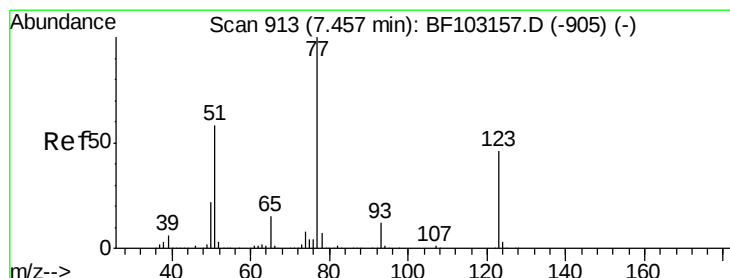
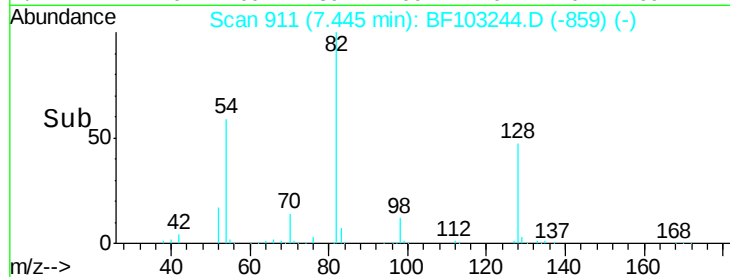
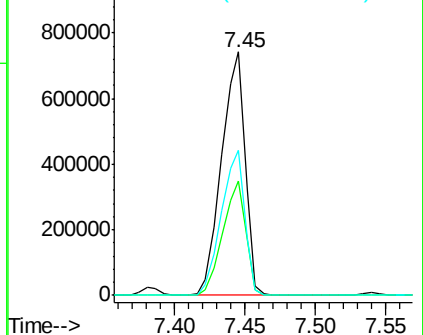
#23
Nitrobenzene-d5
Concen: 89.18 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	867000
Ion Ratio	100	Lower	Upper
128	46.9	36.1	54.1
54	59.8	41.4	62.2

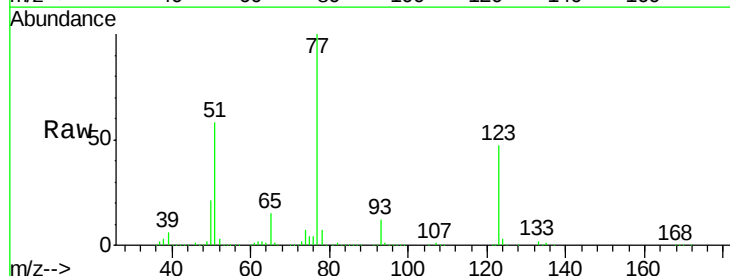


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

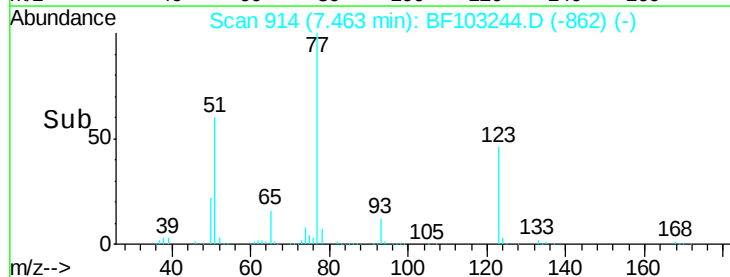
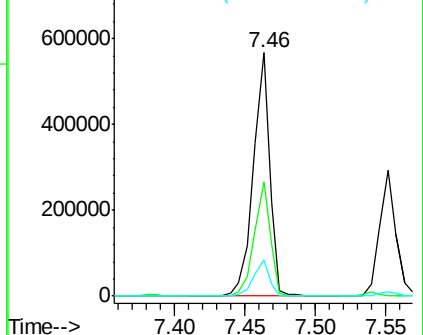


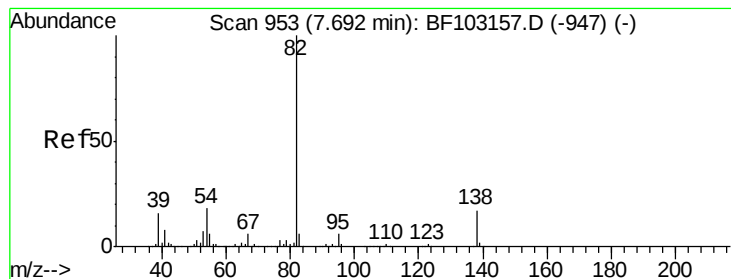
#24
Nitrobenzene
Concen: 43.52 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	77	Resp	465887
Ion Ratio	100	Lower	Upper
123	46.7	37.9	56.9
65	14.8	11.0	16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.98 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

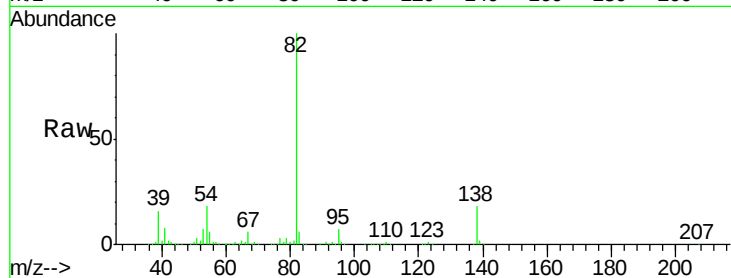
Tot Ion: 82 Resp: 861226

Ion Ratio Lower Upper

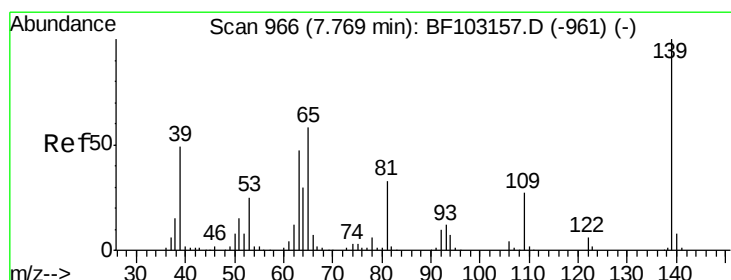
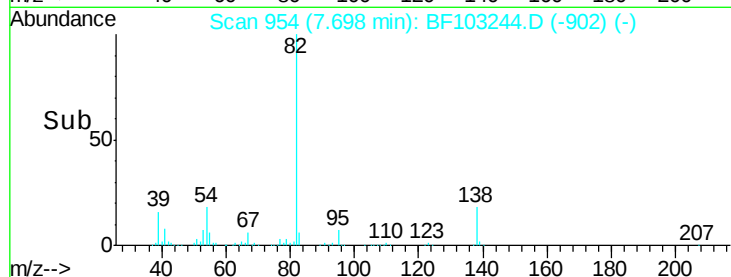
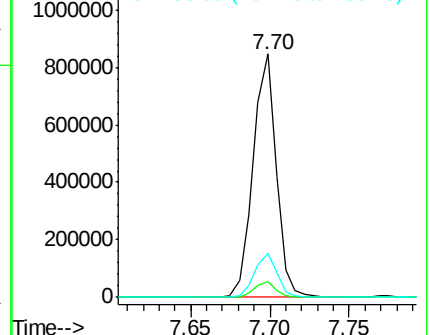
82 100

95 6.5 5.2 7.8

138 18.1 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 27.05 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

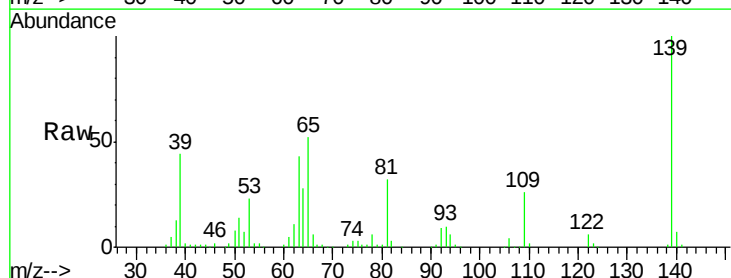
Tgt Ion: 139 Resp: 136321

Ion Ratio Lower Upper

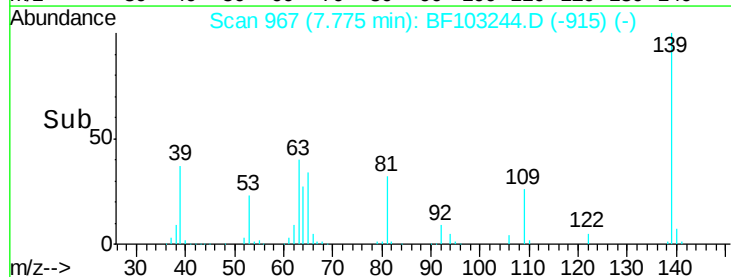
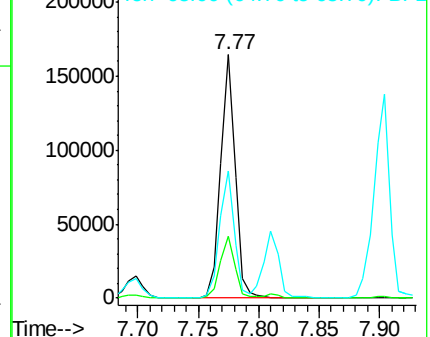
139 100

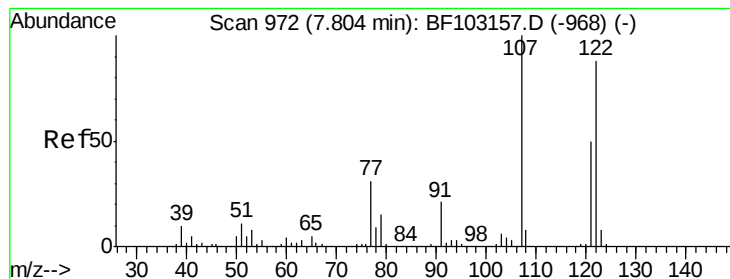
109 25.5 22.7 34.1

65 52.2 40.5 60.7



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





#27

2,4-Dimethylphenol

Concen: 49.02 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

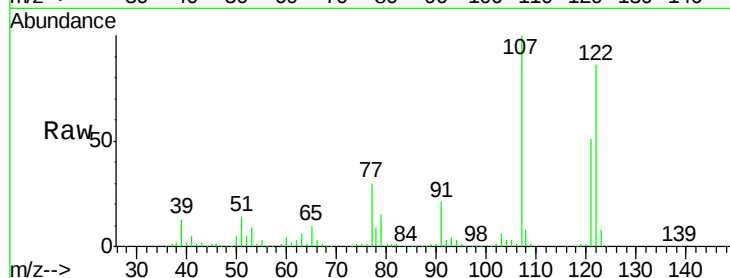
Tot Ion:122 Resp: 377559

Ion Ratio Lower Upper

122 100

107 115.8 91.2 136.8

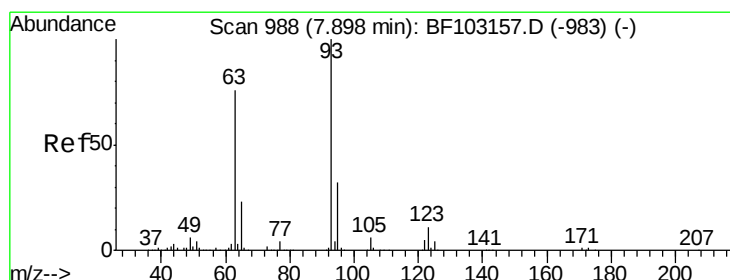
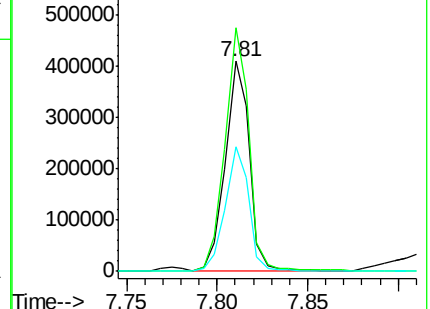
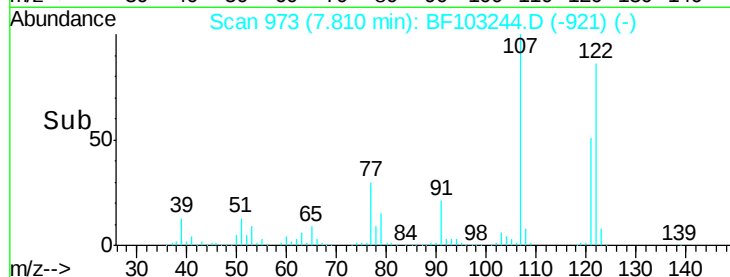
121 59.1 47.2 70.8



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: 48.13 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

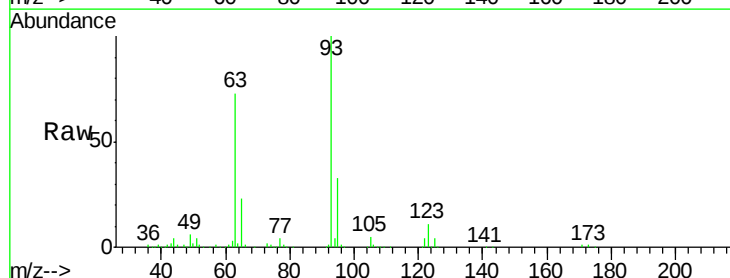
Tgt Ion: 93 Resp: 541869

Ion Ratio Lower Upper

93 100

95 32.8 26.3 39.5

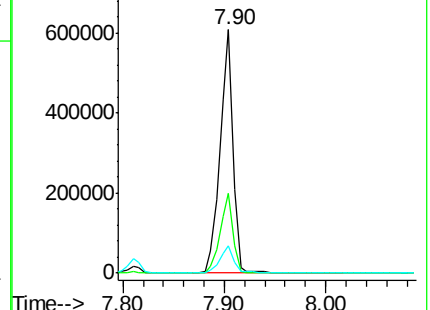
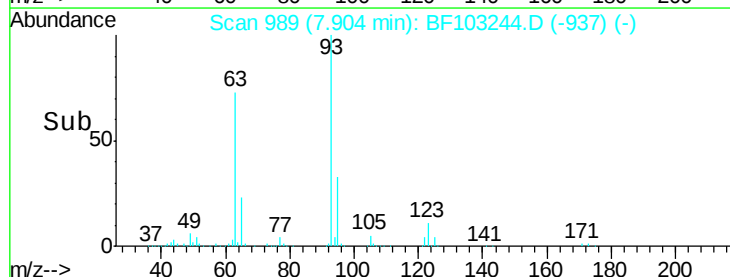
123 11.3 9.8 14.6

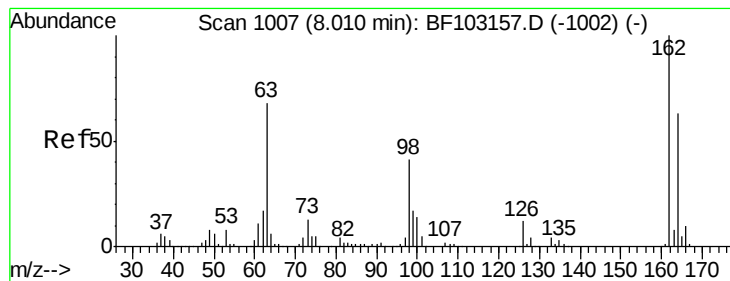


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

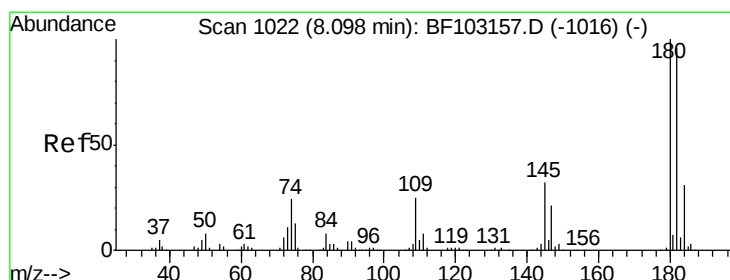
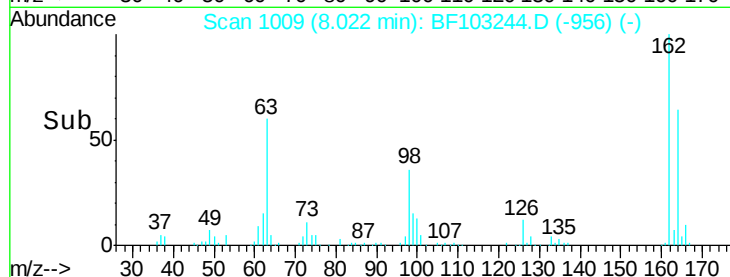
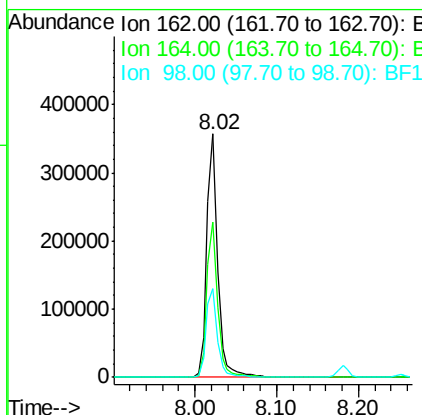
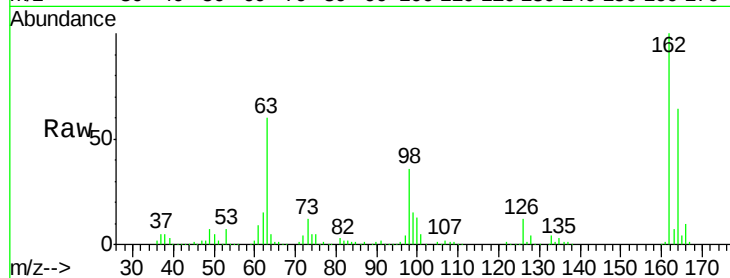




#29
 2,4-Dichlorophenol
 Concen: 45.19 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

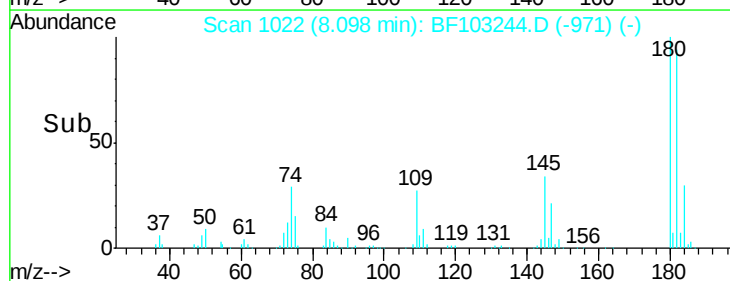
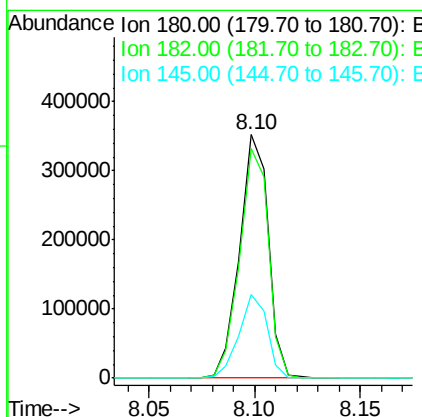
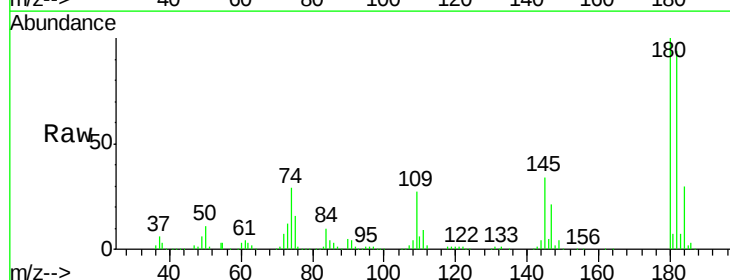
Instrument :
 BNA_F
 ClientSampleId :

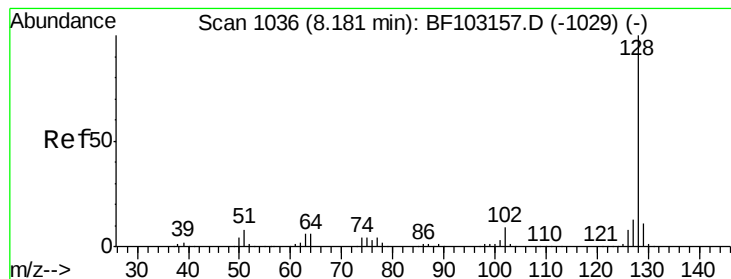
Tot Ion:162 Resp: 333272
 Ion Ratio Lower Upper
 162 100
 164 63.8 42.7 82.7
 98 36.4 18.1 58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 42.37 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:180 Resp: 332754
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.8 115.2
 145 34.2 26.5 39.7





#31

Naphthalene

Concen: 42.39 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

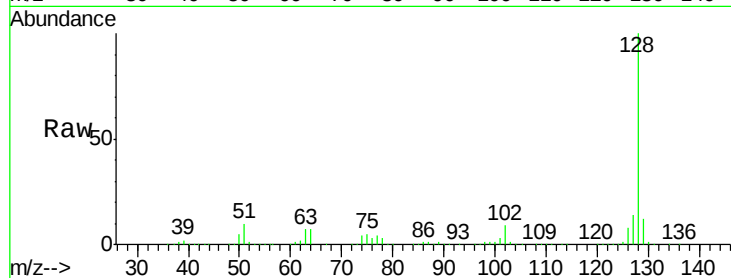
Tot Ion:128 Resp: 1152246

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

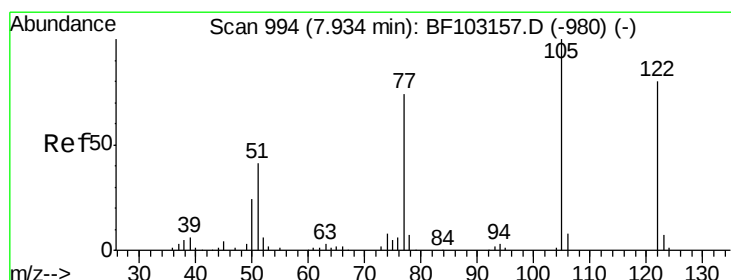
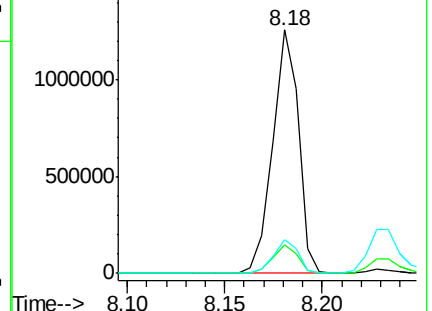
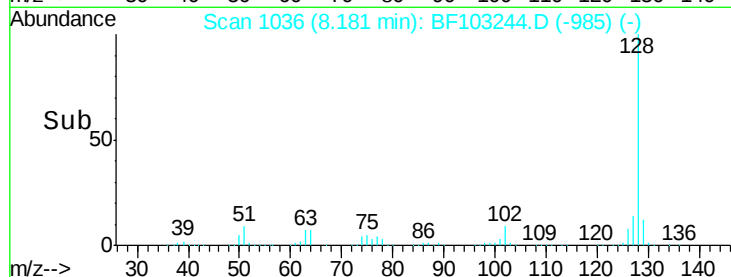
127 13.6 10.9 16.3



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: 20.27 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

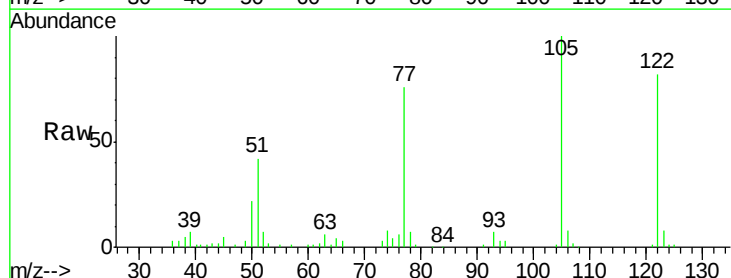
Tgt Ion:122 Resp: 89179

Ion Ratio Lower Upper

122 100

105 121.3 101.1 141.1

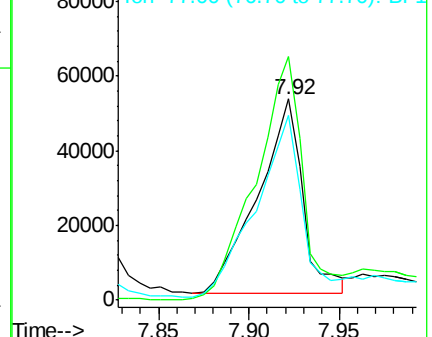
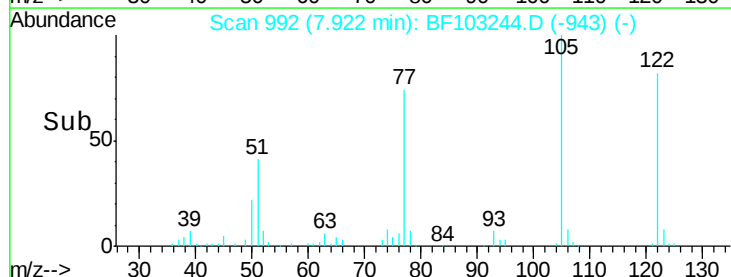
77 91.8 70.7 110.7

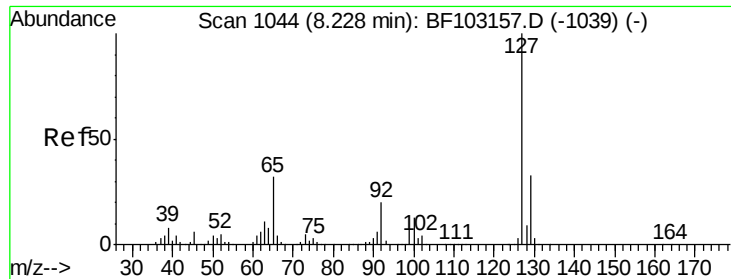


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

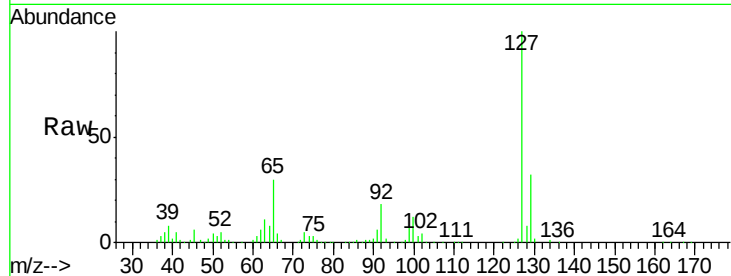




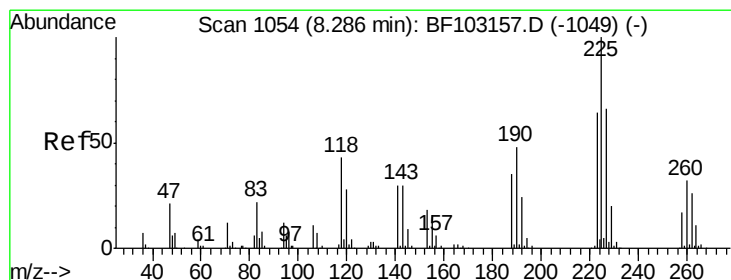
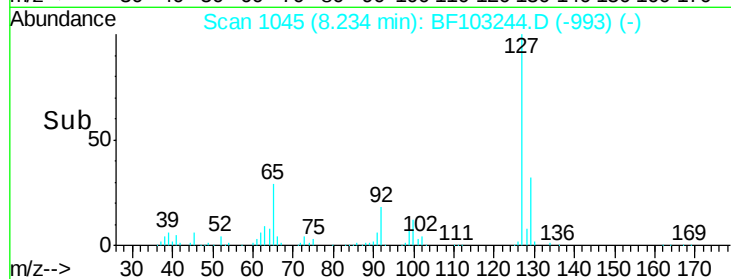
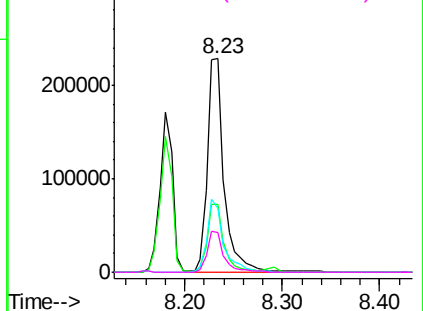
#33
4-Chloroaniline
Concen: 23.06 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	270553
Ion Ratio	Lower	Upper
127	100	
129	31.9	25.9 38.9
65	30.2	25.0 37.4
92	18.4	15.2 22.8

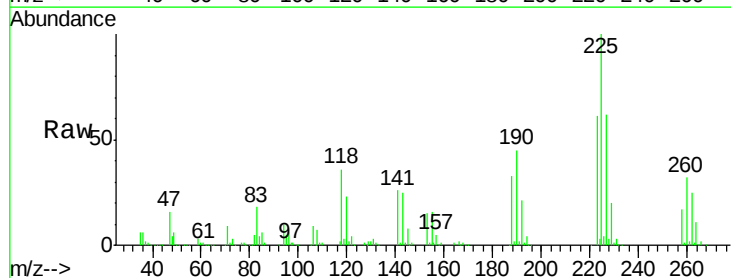


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

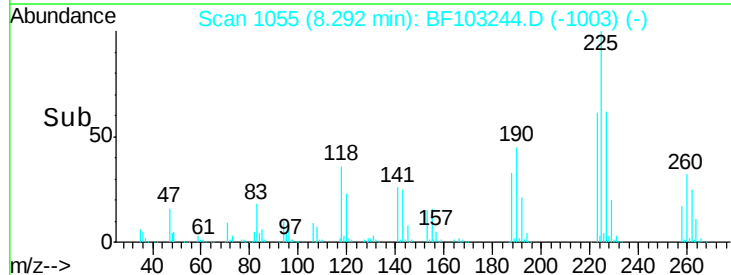
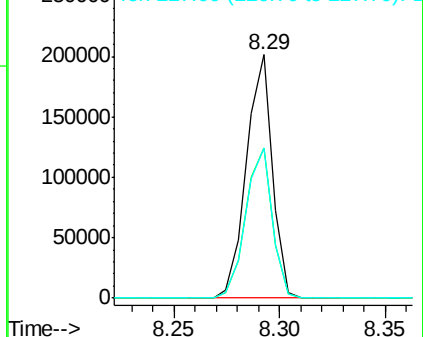


#34
Hexachlorobutadiene
Concen: 42.16 ng
RT: 8.29 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:225	Resp:	172417
Ion Ratio	Lower	Upper
225	100	
223	61.5	50.6 76.0
227	61.8	51.9 77.9



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

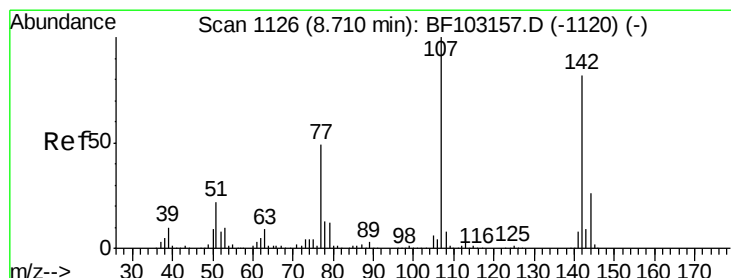
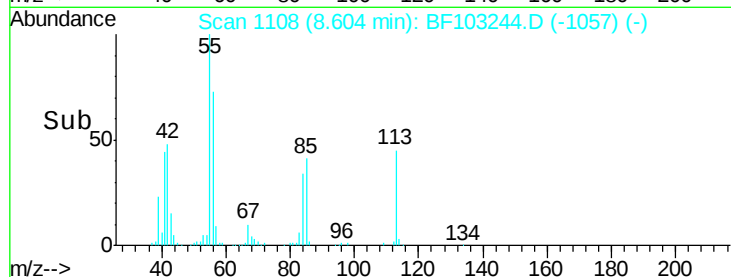
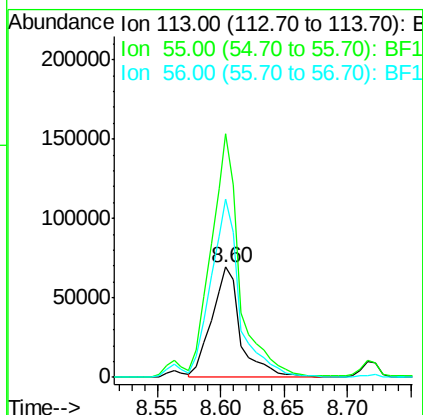
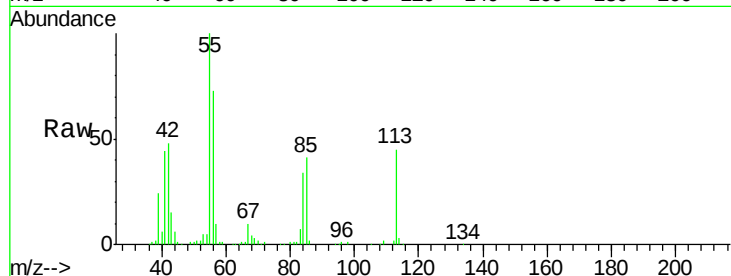




#35
 Caprolactam
 Concen: 42.86 ng
 RT: 8.60 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

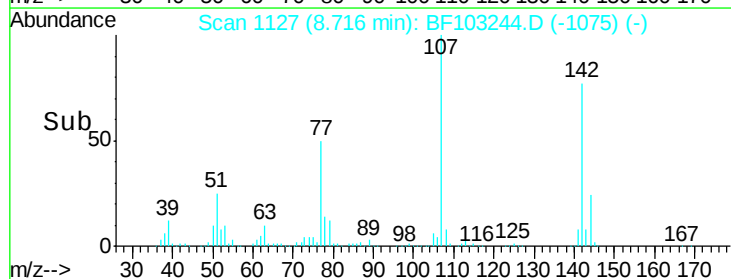
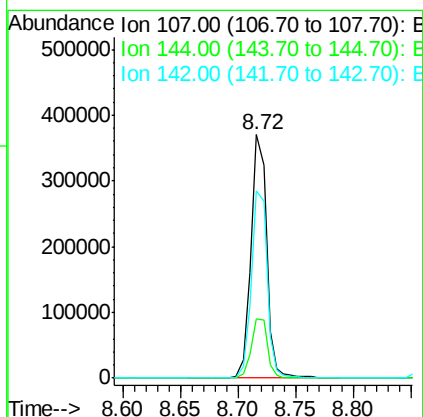
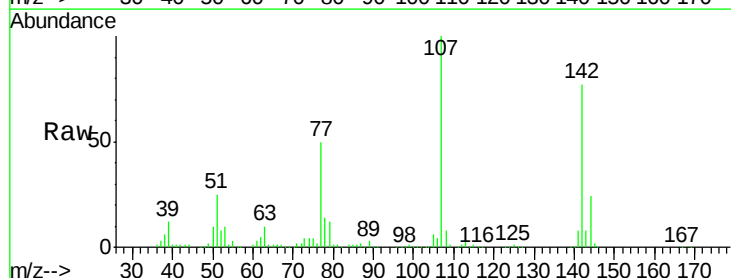
Instrument :
 BNA_F
 ClientSampleID :

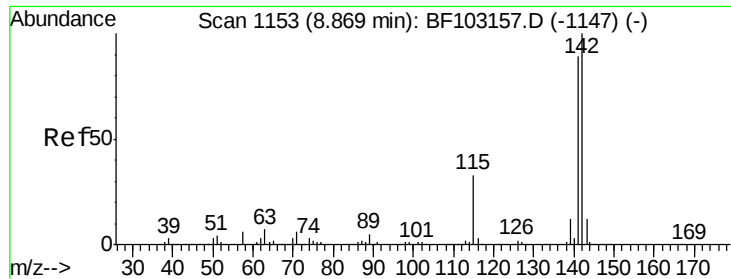
Tot Ion:113 Resp: 111096
 Ion Ratio Lower Upper
 113 100
 55 221.0 163.3 203.3#
 56 161.9 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 42.28 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:107 Resp: 351675
 Ion Ratio Lower Upper
 107 100
 144 24.4 20.5 30.7
 142 76.7 62.0 93.0

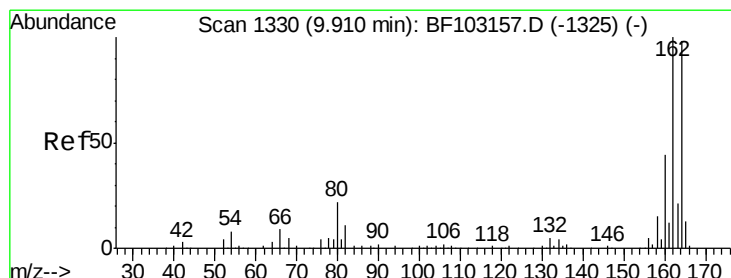
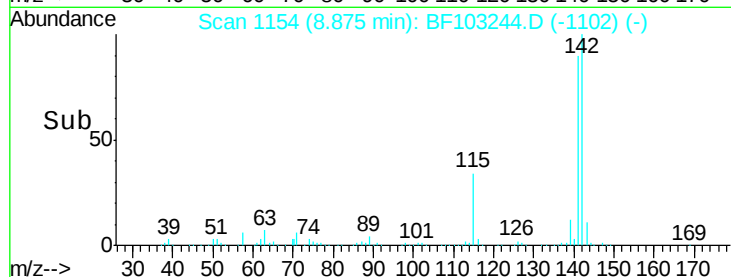
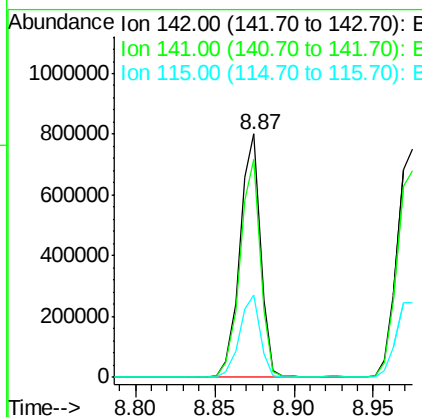
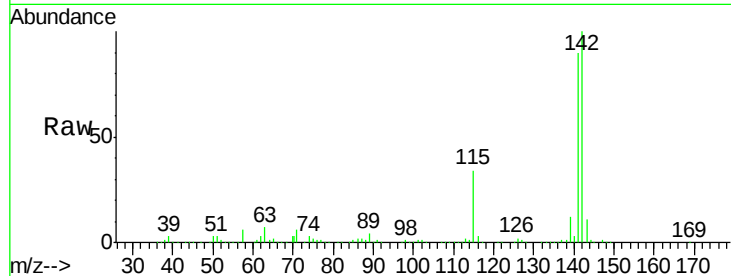




#37
2-Methylnaphthalene
Concen: 41.36 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

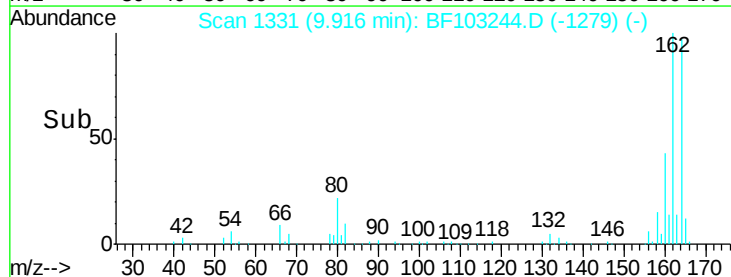
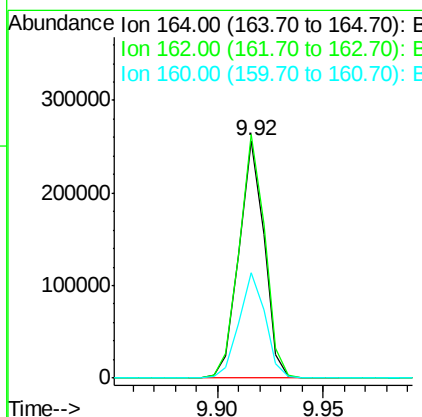
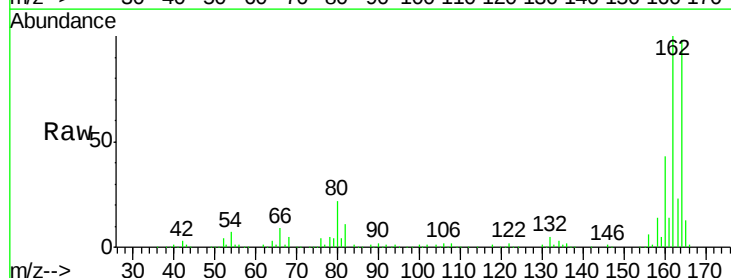
Instrument :
BNA_F
ClientSampleId :

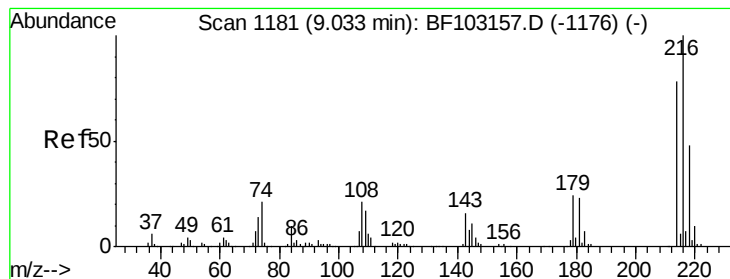
Tot Ion:142 Resp: 726665
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 33.8 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:164 Resp: 211612
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 44.4 38.3 57.5

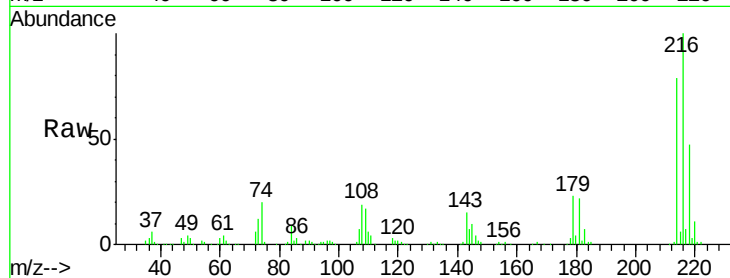




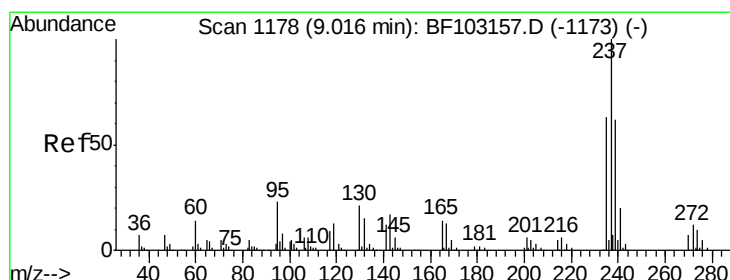
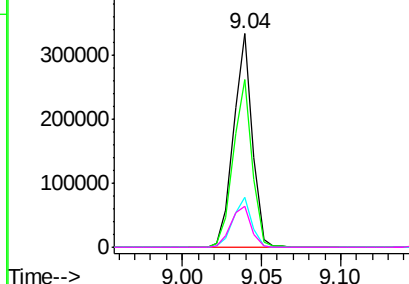
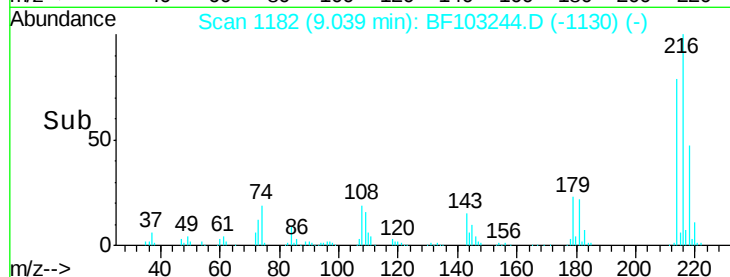
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.35 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	216	Resp:	273917
Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	23.4	18.1	27.1
108	20.7	17.2	25.8

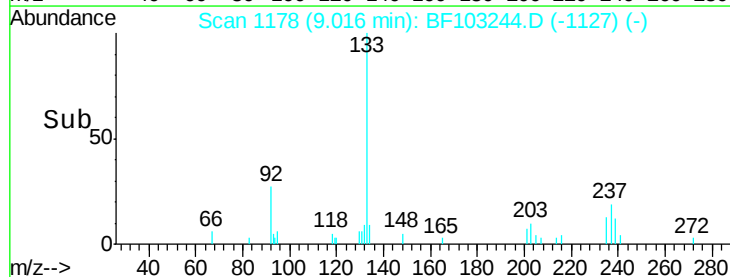
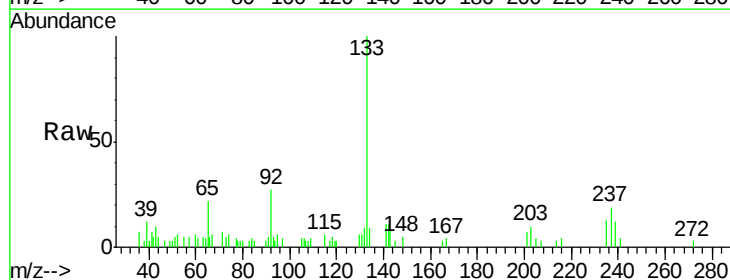


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

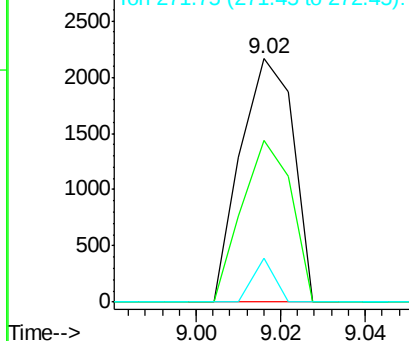


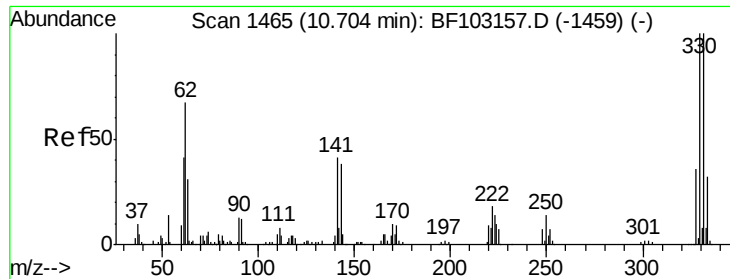
#40
 Hexachlorocyclopentadiene
 Concen: 9.70 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:	237	Resp:	1881
Ion	Ratio	Lower	Upper
237	100		
235	66.3	44.8	84.8
272	17.9	0.0	33.3



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

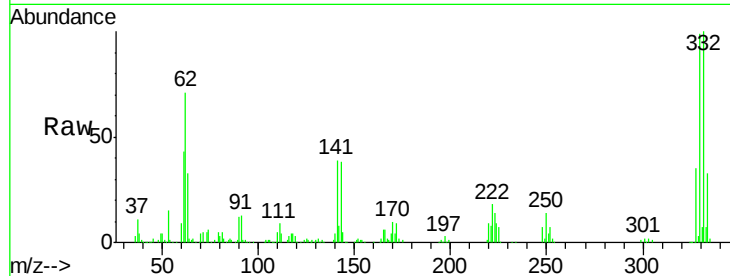




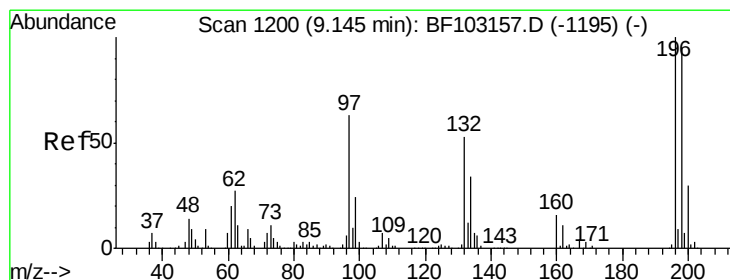
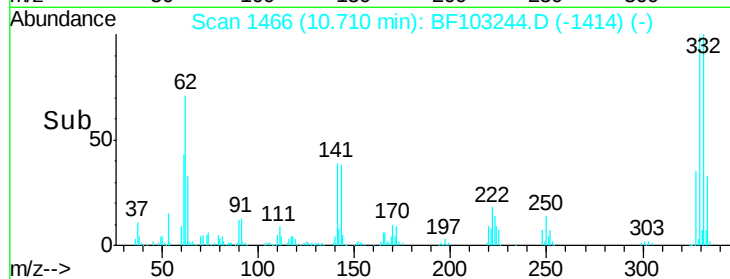
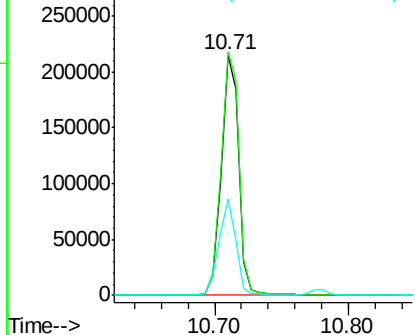
#41
 2,4,6-Tribromophenol
 Concen: 111.61 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.0	77.0	115.6
141	39.3	29.9	44.9

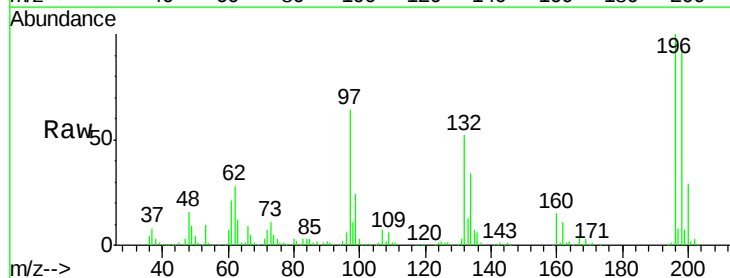


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

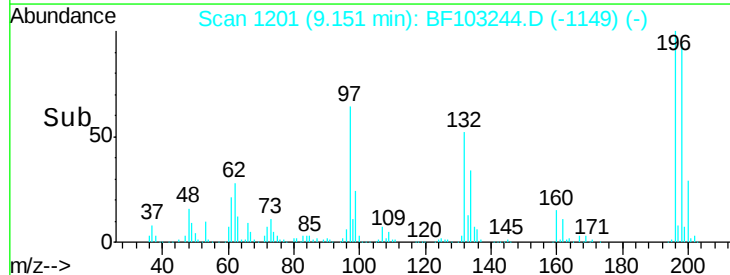
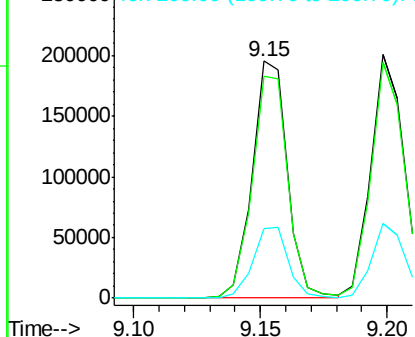


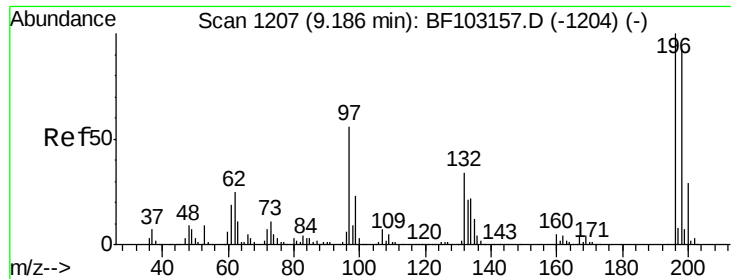
#42
 2,4,6-Trichlorophenol
 Concen: 48.50 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.7	113.5
200	29.4	24.5	36.7



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

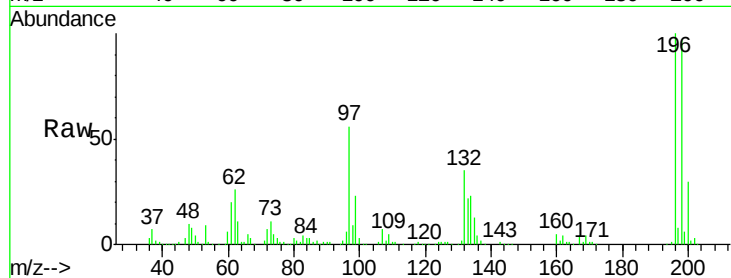




#43
2,4,5-Trichlorophenol
Concen: 43.54 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.1	74.6	112.0
97	56.4	42.9	64.3
132	35.3	26.3	39.5



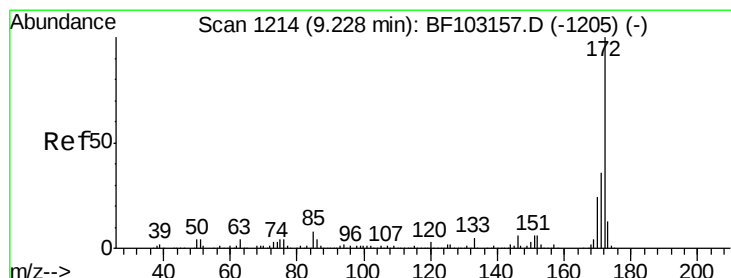
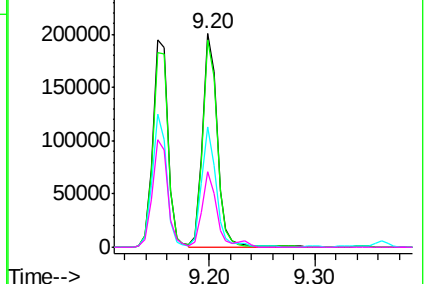
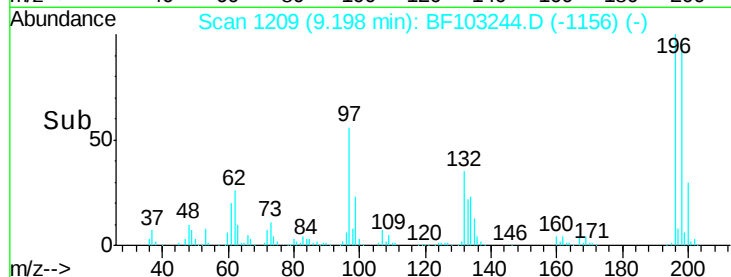
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

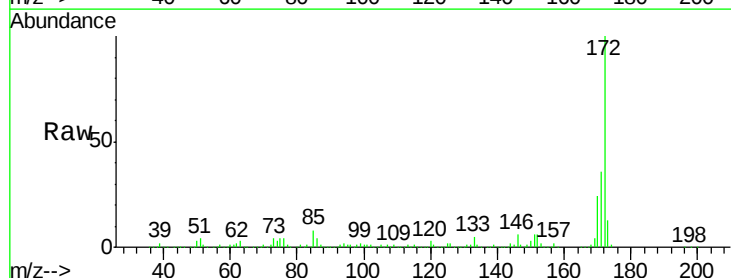
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 91.59 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4

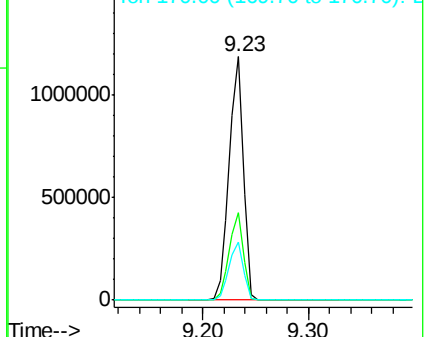
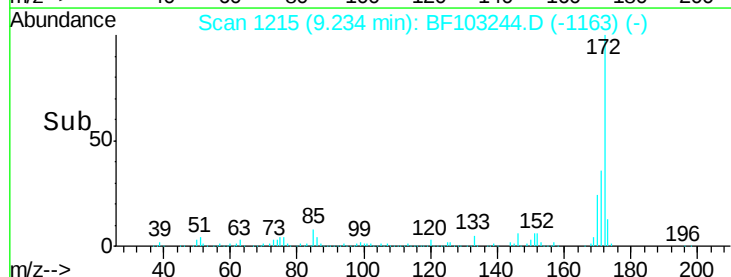


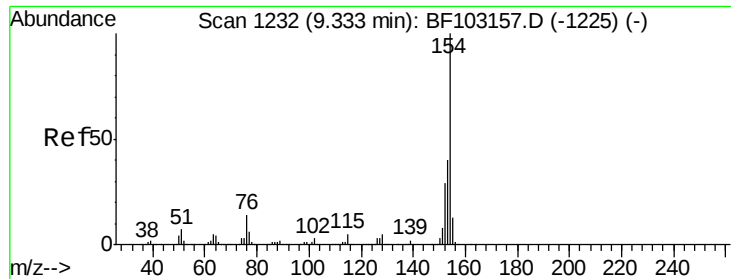
Abundance

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





#45

1,1'-Biphenyl

Concen: 46.06 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampled :

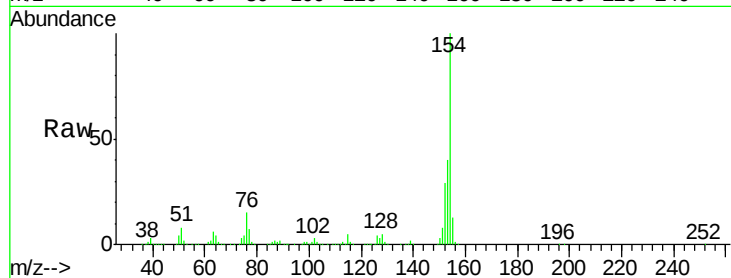
Tot Ion:154 Resp: 816813

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

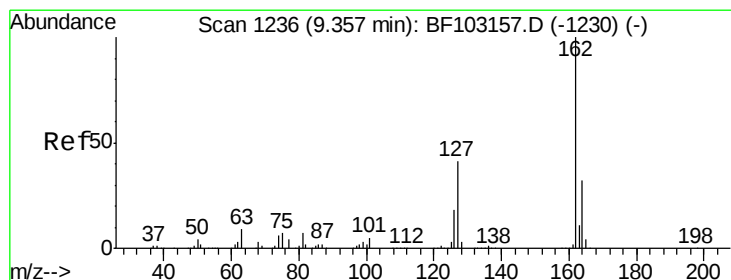
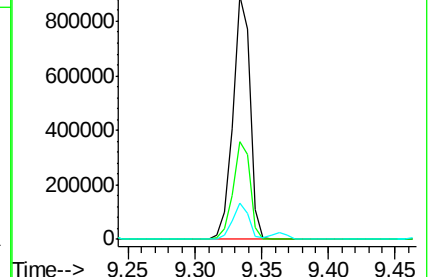
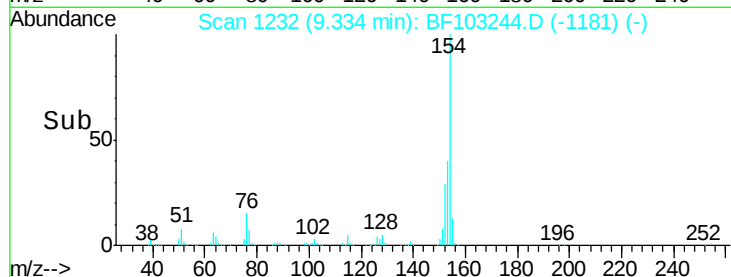
76 14.8 0.0 34.0



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



#46

2-Chloronaphthalene

Concen: 45.14 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

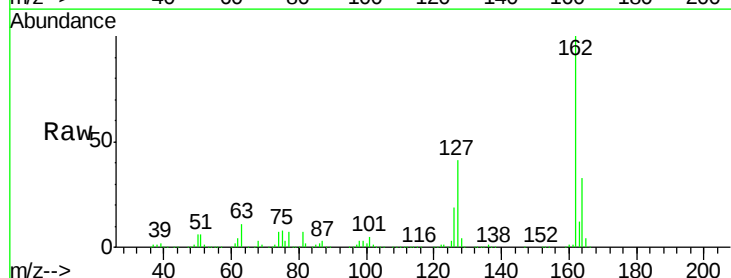
Tgt Ion:162 Resp: 633231

Ion Ratio Lower Upper

162 100

127 41.2 33.9 50.9

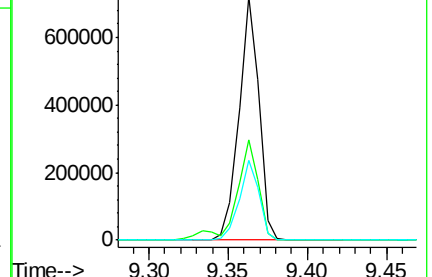
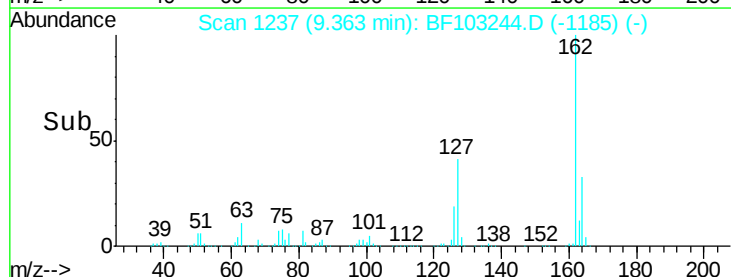
164 33.0 26.5 39.7

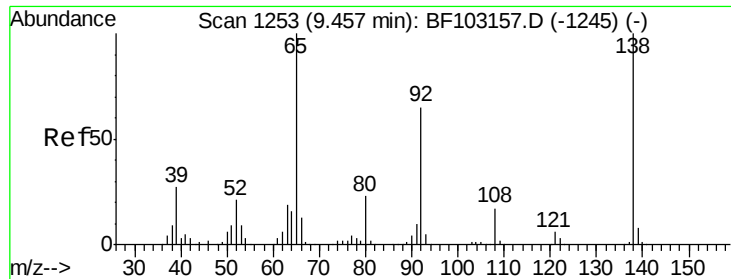


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

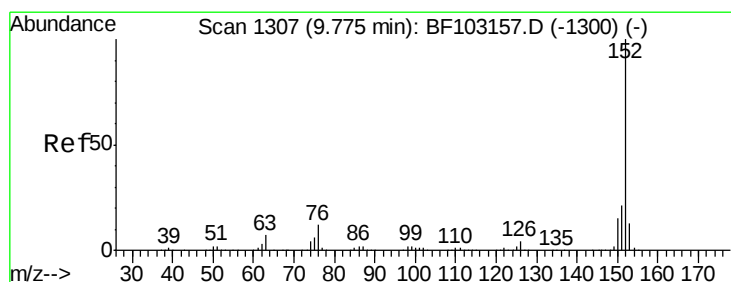
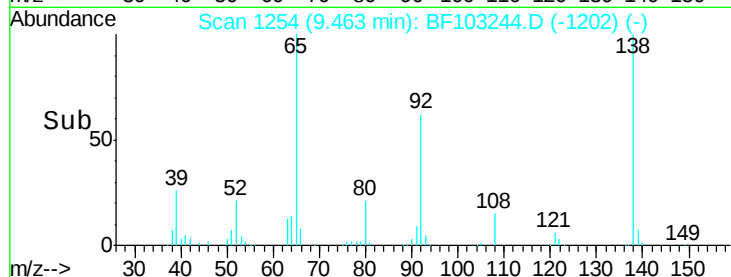
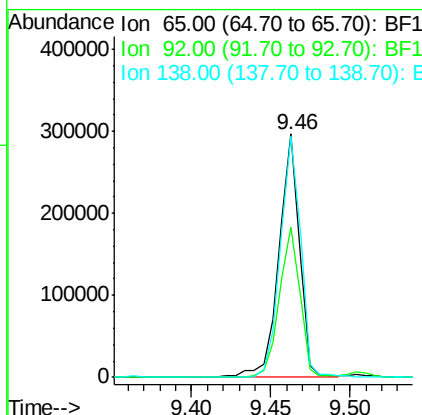
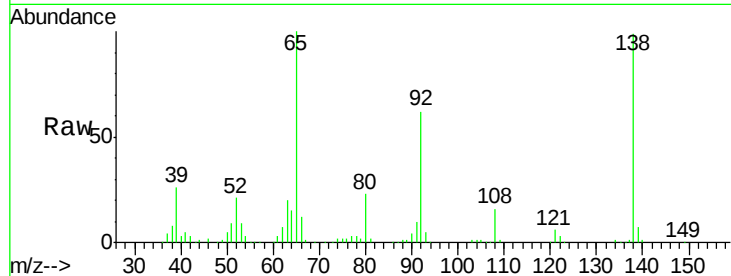




#47
2-Nitroaniline
Concen: 51.69 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

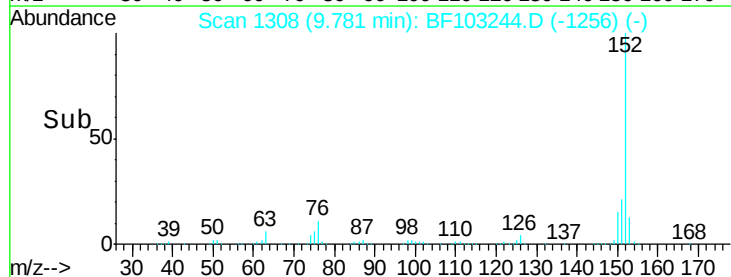
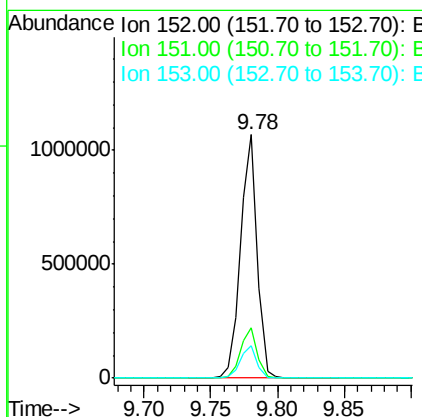
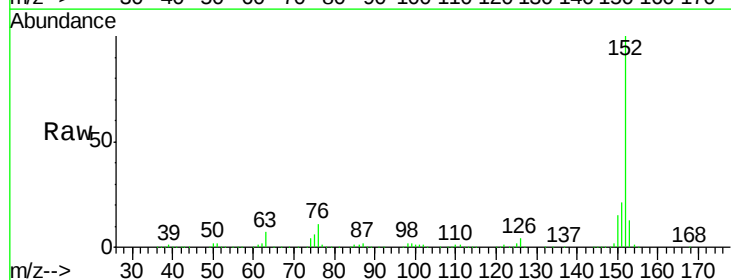
Instrument :
BNA_F
ClientSampleId :

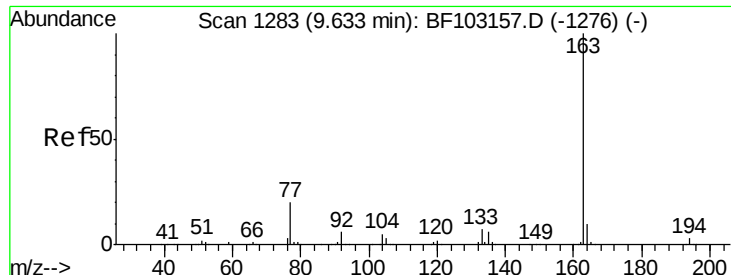
Tot Ion: 65 Resp: 268620
Ion Ratio Lower Upper
65 100
92 61.7 55.8 83.6
138 99.2 91.2 136.8



#48
Acenaphthylene
Concen: 42.96 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion: 152 Resp: 927363
Ion Ratio Lower Upper
152 100
151 20.7 16.3 24.5
153 13.2 10.7 16.1

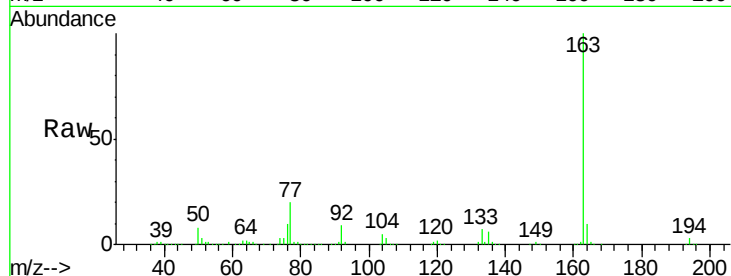




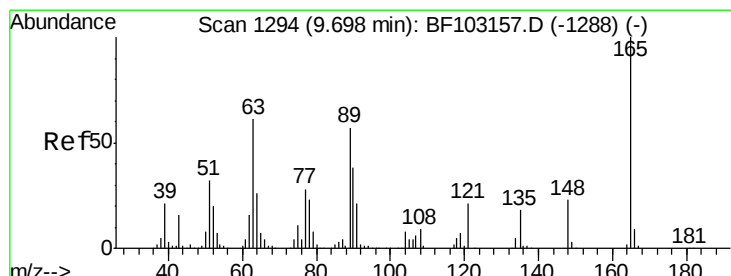
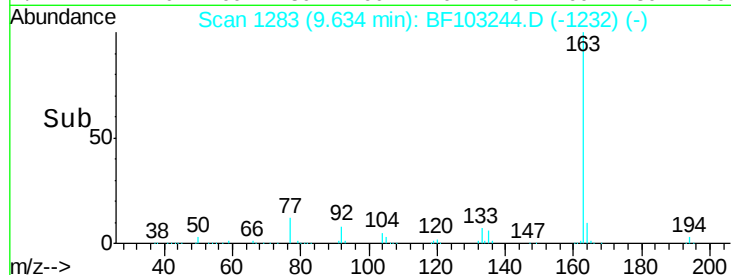
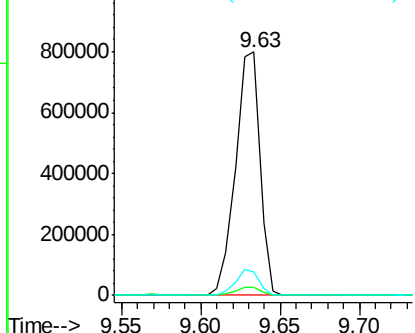
#49
Dimethylphthalate
Concen: 50.55 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 858135
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2

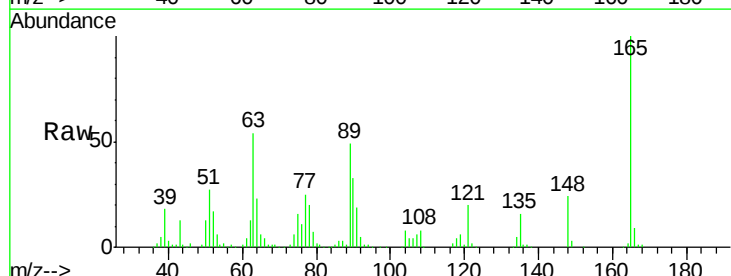


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

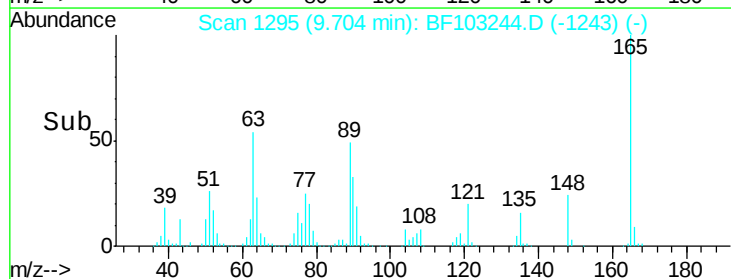
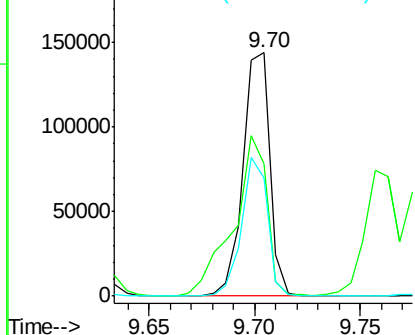


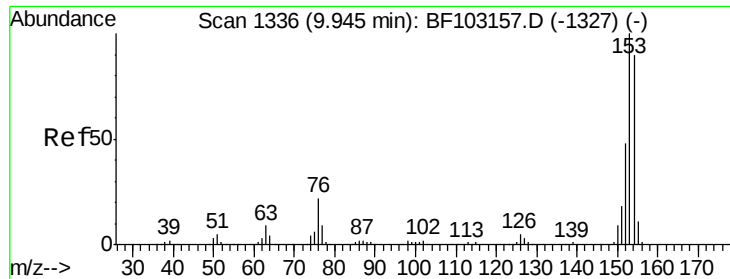
#50
2,6-Dinitrotoluene
Concen: 35.89 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:165 Resp: 127861
Ion Ratio Lower Upper
165 100
63 54.3 44.7 67.1
89 48.6 44.0 66.0



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





#51

Acenaphthene

Concen: 42.09 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

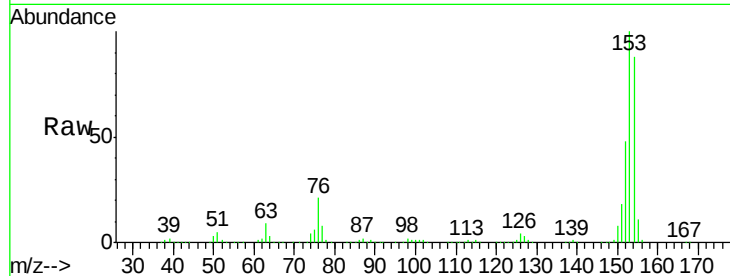
Tot Ion:154 Resp: 529706

Ion Ratio Lower Upper

154 100

153 113.3 91.2 136.8

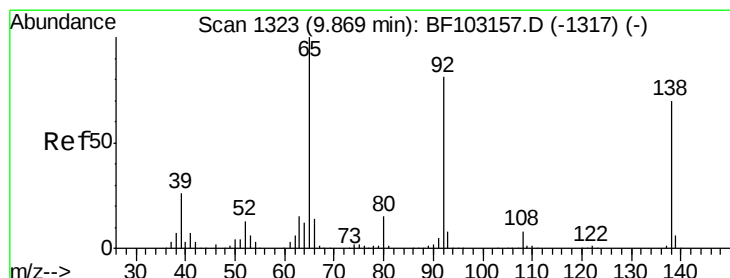
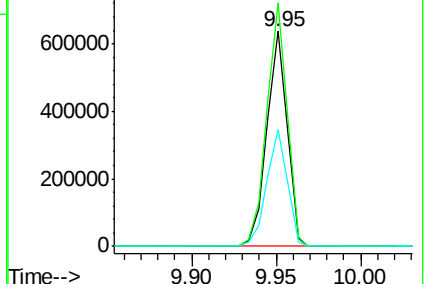
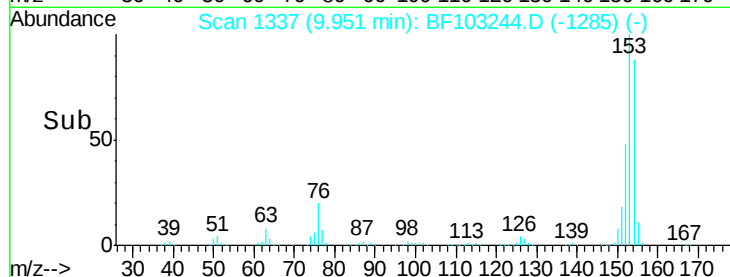
152 54.5 43.8 65.8



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



#52

3-Nitroaniline

Concen: 48.92 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

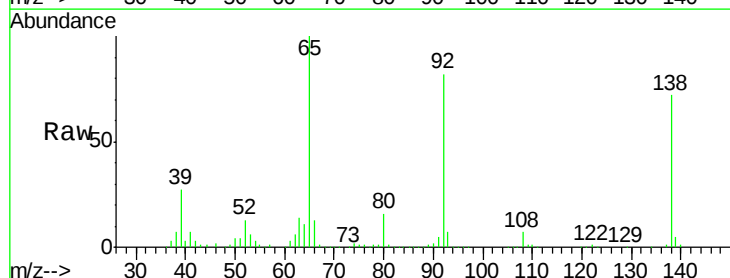
Tgt Ion:138 Resp: 221117

Ion Ratio Lower Upper

138 100

108 10.0 9.4 14.0

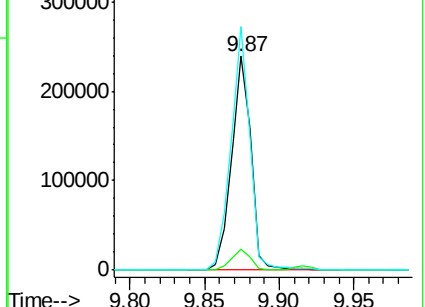
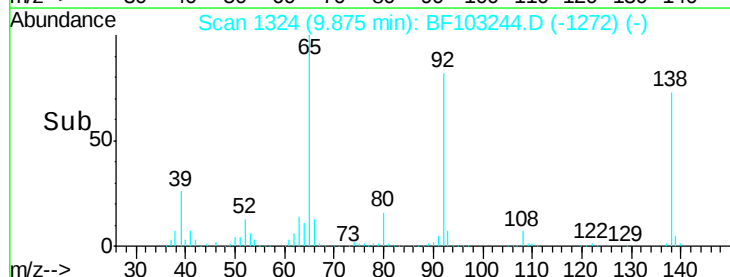
92 113.8 89.4 134.2



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

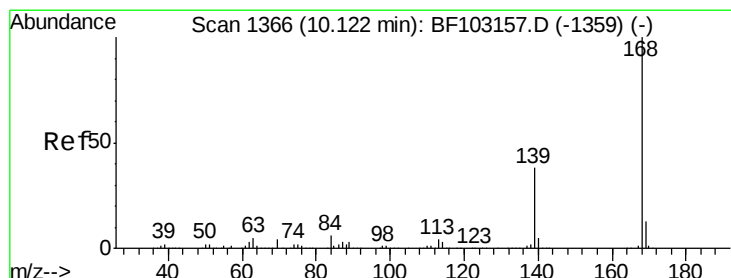
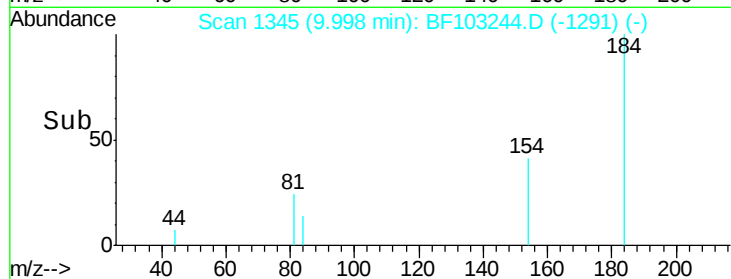
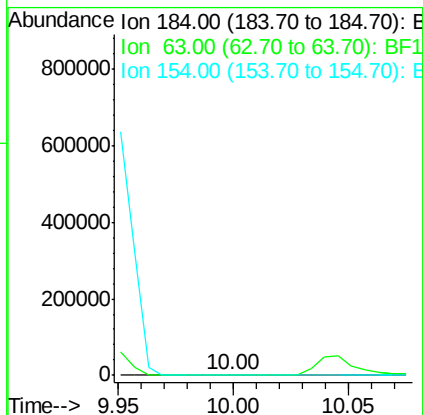
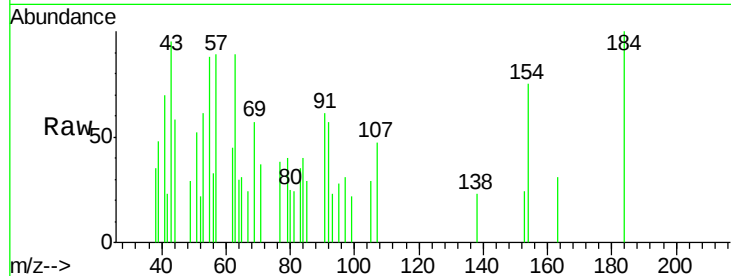




#53
2,4-Dinitrophenol
Concen: 10.80 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

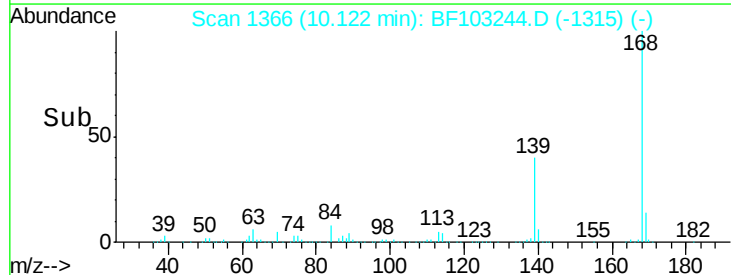
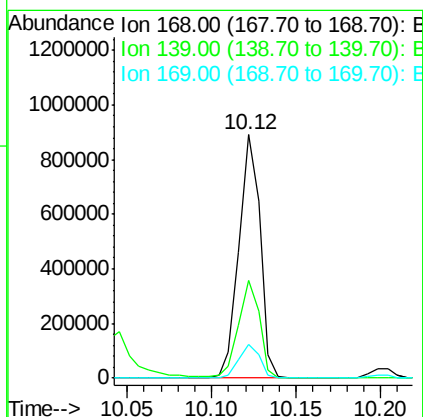
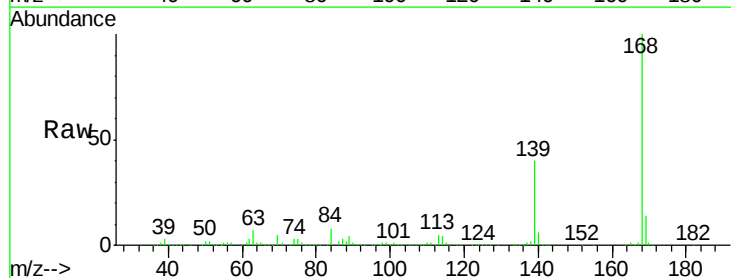
Instrument :
BNA_F
ClientSampleId :

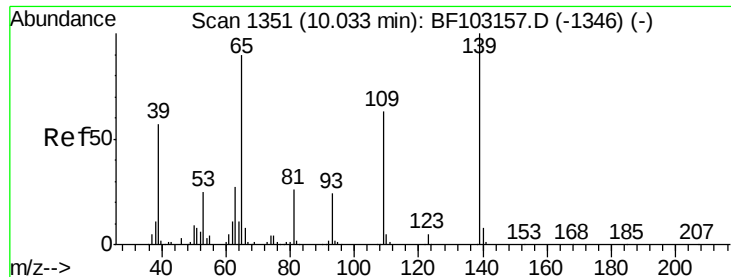
Tot Ion:184 Resp: 1730
Ion Ratio Lower Upper
184 100
63 89.3 54.2 81.2#
154 74.5 184.0 276.0#



#54
Dibenzofuran
Concen: 45.17 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:168 Resp: 780456
Ion Ratio Lower Upper
168 100
139 40.4 30.1 45.1
169 13.7 10.9 16.3

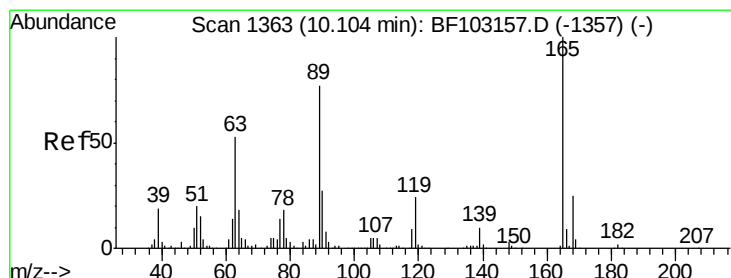
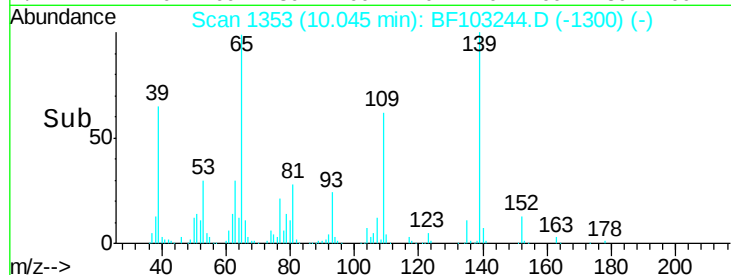
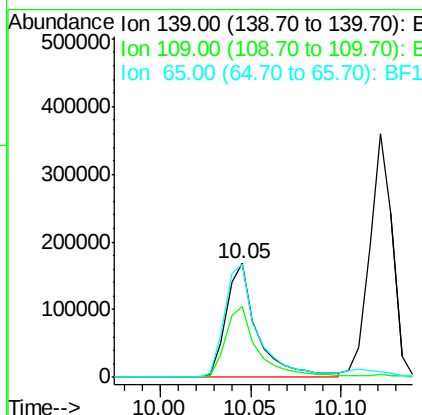
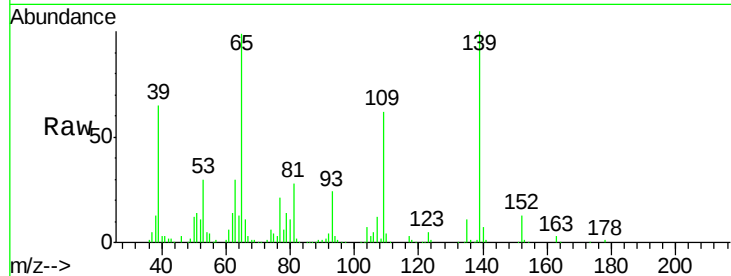




#55
4-Nitrophenol
Concen: 72.03 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

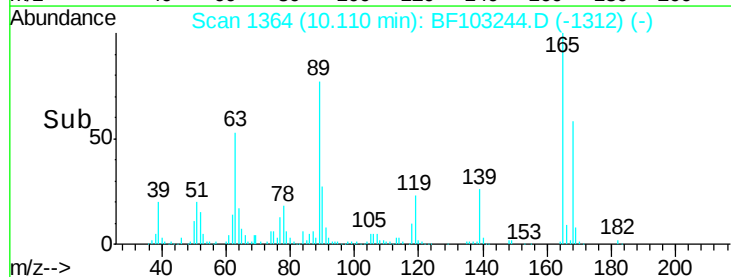
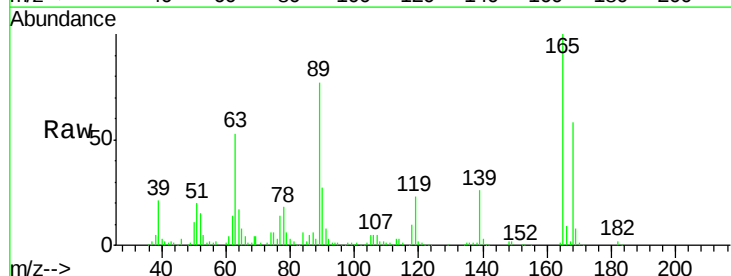
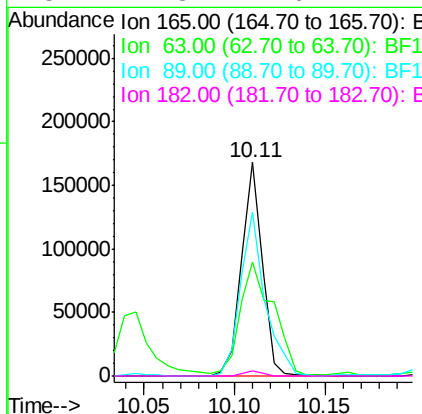
Instrument :
BNA_F
ClientSampleId :

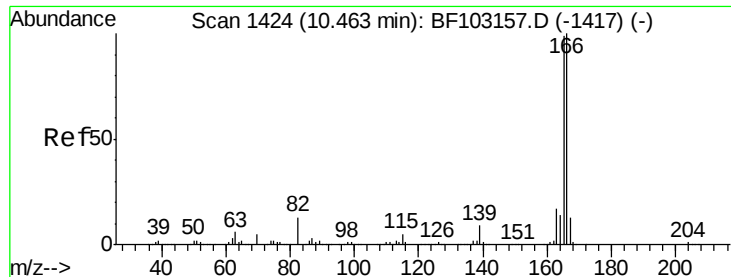
Tot Ion	Ratio	Lower	Upper
139	100		
109	62.1	48.4	88.4
65	98.9	72.6	112.6



#56
2,4-Dinitrotoluene
Concen: 29.75 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	53.3	36.4	54.6
89	76.9	57.8	86.6
182	2.3	1.6	2.4

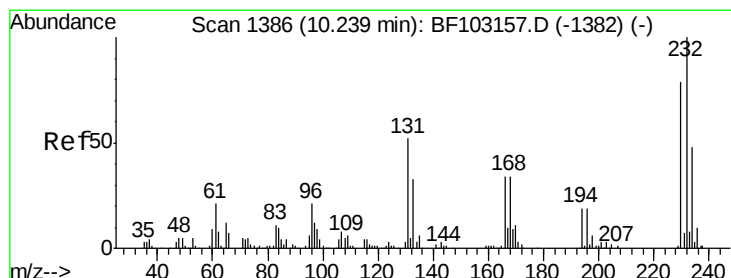
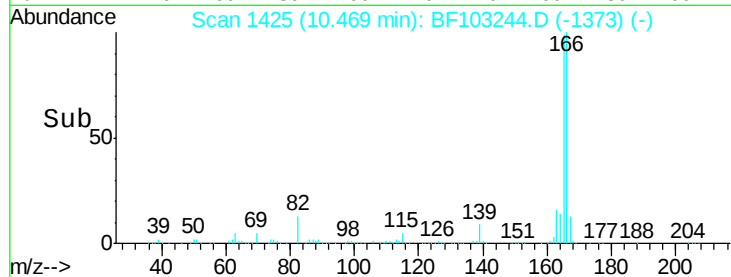
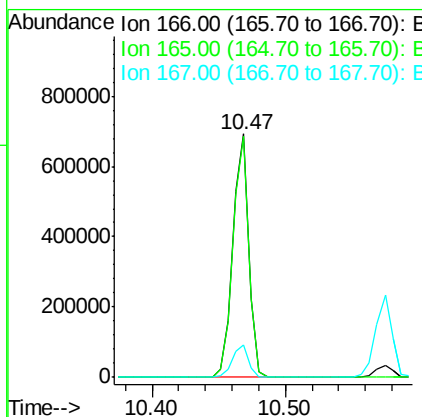
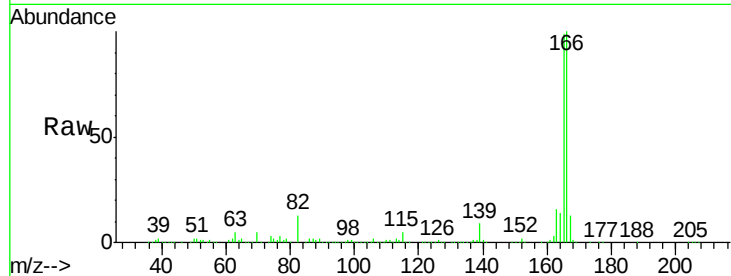




#57
 Fluorene
 Concen: 39.77 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

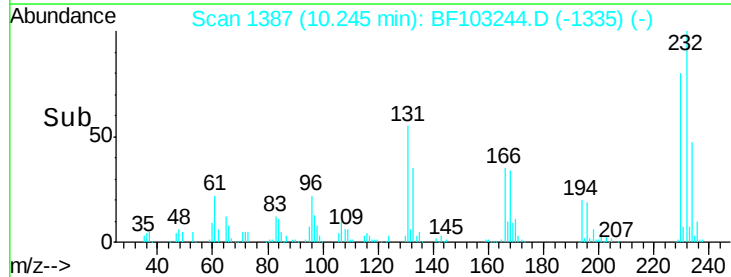
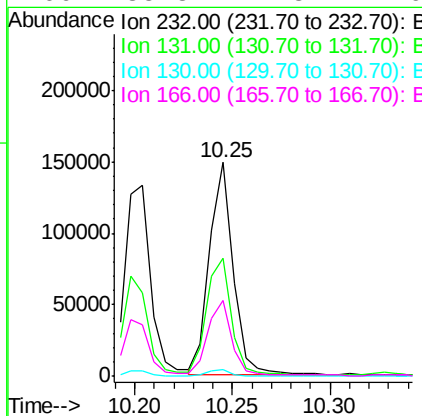
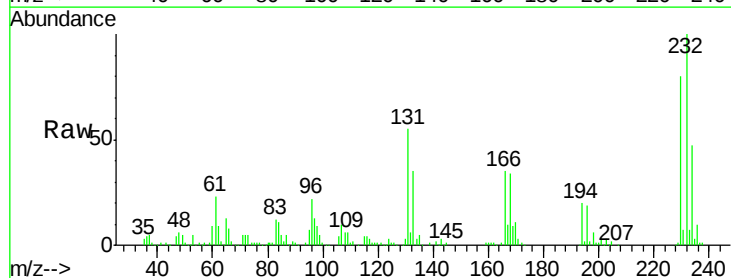
Instrument :
 BNA_F
 ClientSampled :

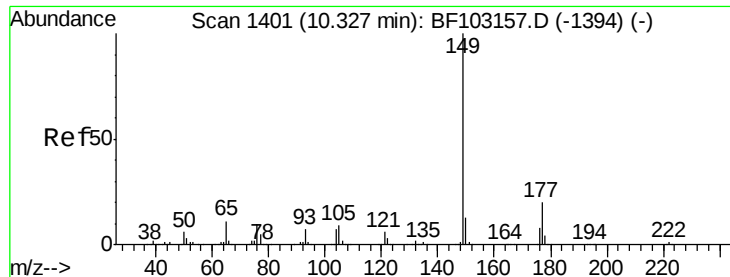
Tot Ion:166 Resp: 585397
 Ion Ratio Lower Upper
 166 100
 165 99.2 79.8 119.8
 167 13.4 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.27 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:232 Resp: 127131
 Ion Ratio Lower Upper
 232 100
 131 58.8 43.8 65.8
 130 2.7 2.1 3.1
 166 35.8 27.8 41.6

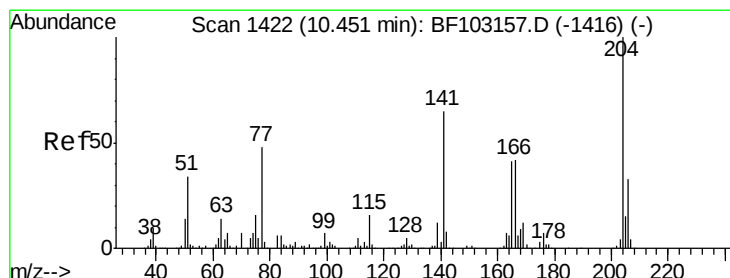
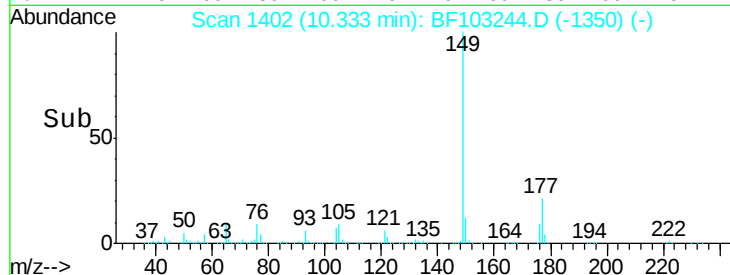
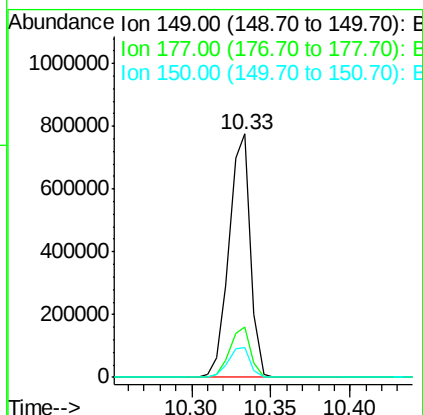
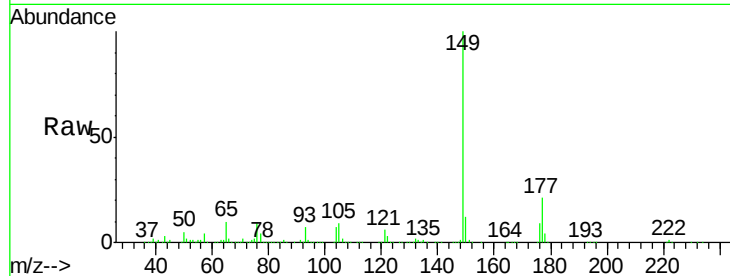




#59
Diethylphthalate
Concen: 44.77 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

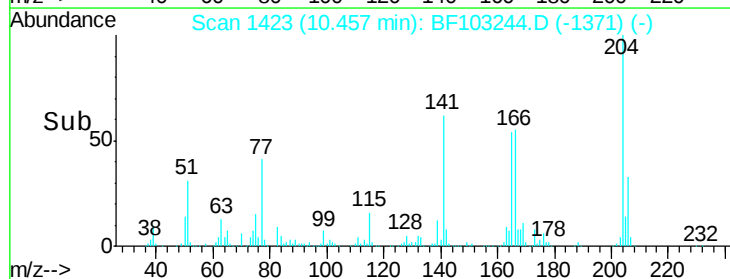
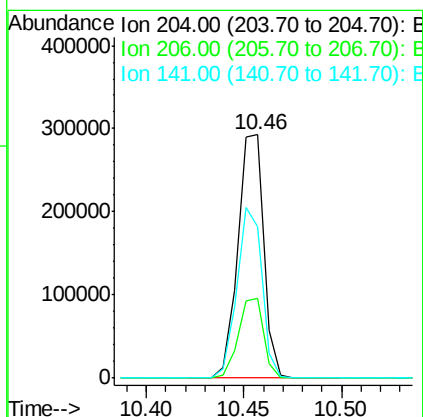
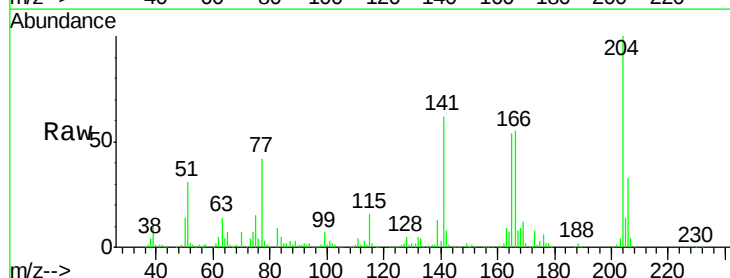
Instrument :
BNA_F
ClientSampleId :

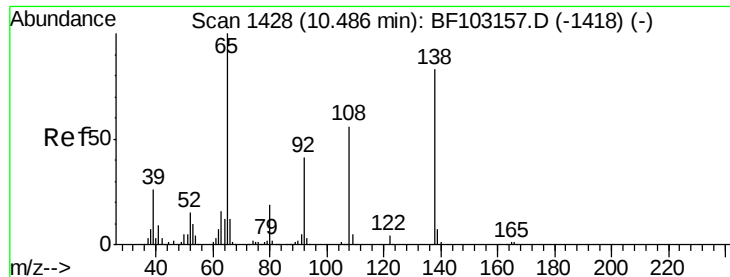
Tot Ion:149 Resp: 726885
Ion Ratio Lower Upper
149 100
177 20.6 16.1 24.1
150 12.1 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 43.22 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:204 Resp: 269782
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 62.3 54.6 81.8





#61

4-Nitroaniline

Concen: 46.89 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

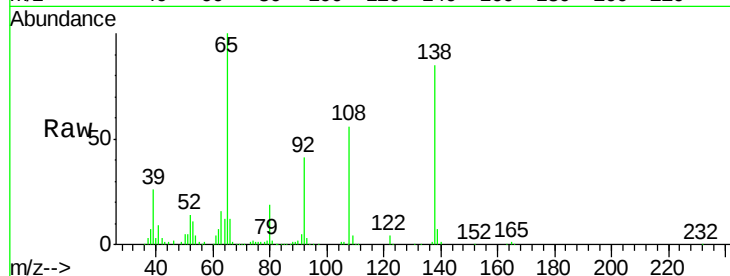
Tot Ion:138 Resp: 211683

Ion Ratio Lower Upper

138 100

92 48.5 30.2 70.2

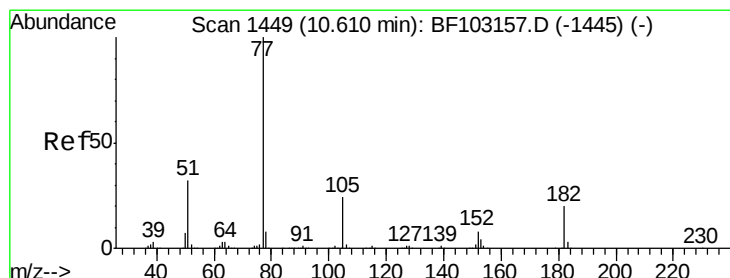
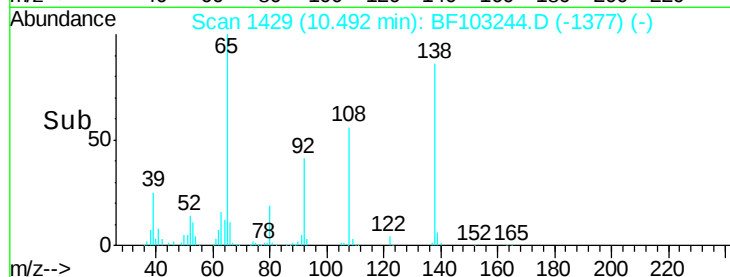
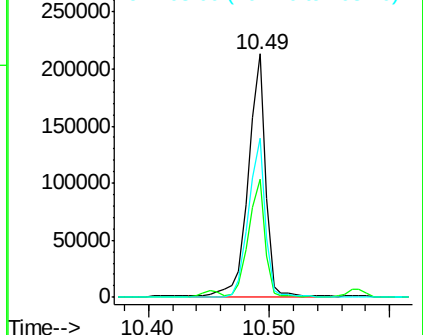
108 65.5 52.5 92.5



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



#62

Azobenzene

Concen: 41.18 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion: 77 Resp: 680552

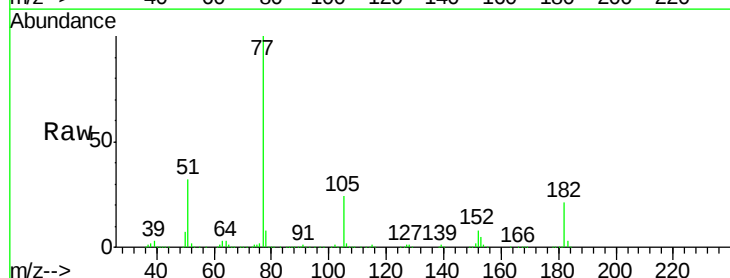
Ion Ratio Lower Upper

77 100

182 21.2 1.7 41.7

105 24.4 3.0 43.0

51 32.2 9.9 49.9

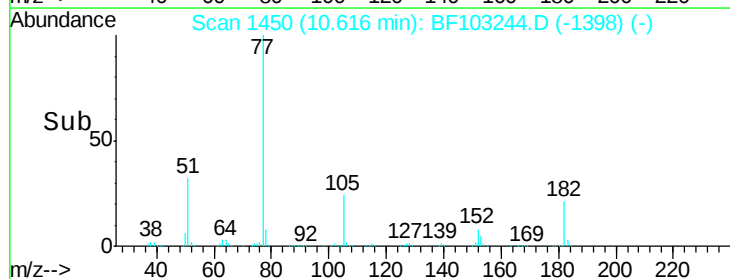
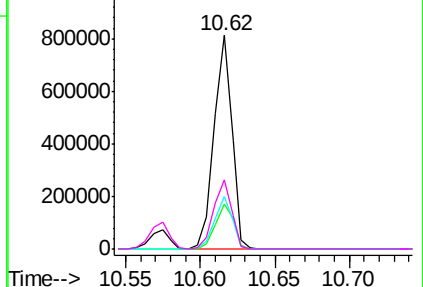


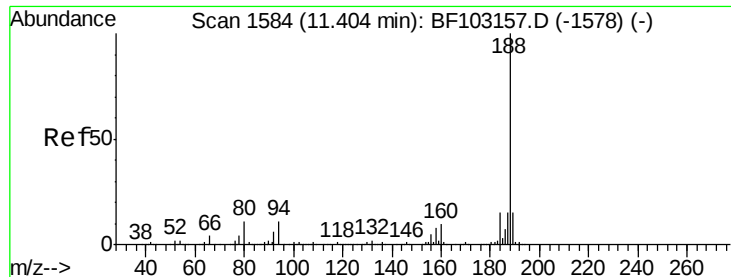
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

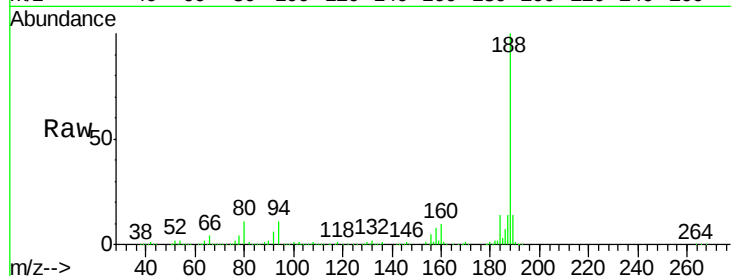
Tot Ion:188 Resp: 320410

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

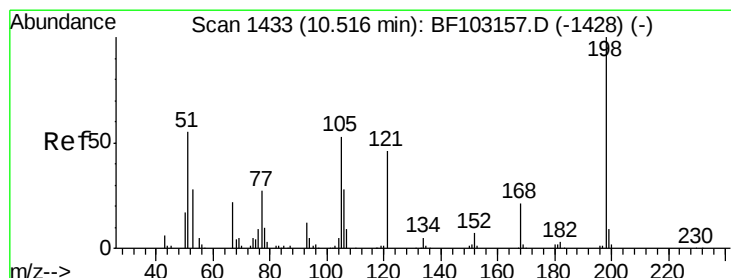
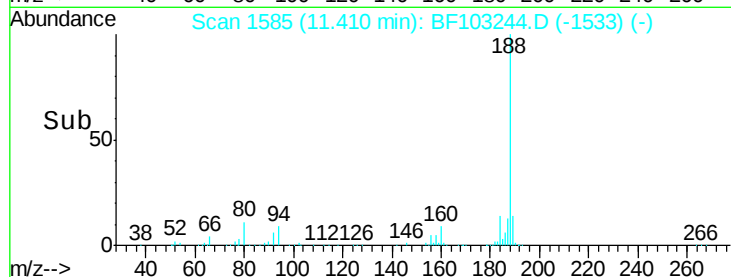
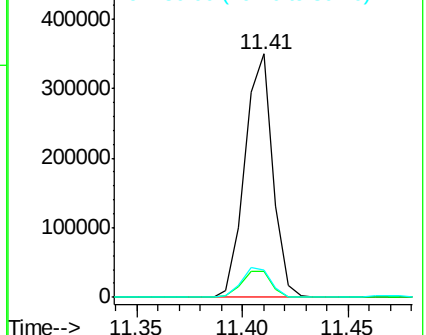
80 11.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.83 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

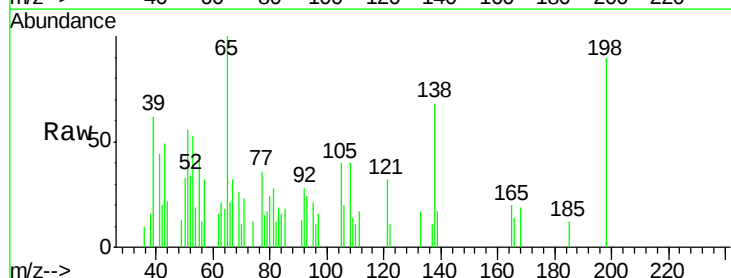
Tgt Ion:198 Resp: 1922

Ion Ratio Lower Upper

198 100

51 62.0 37.7 77.7

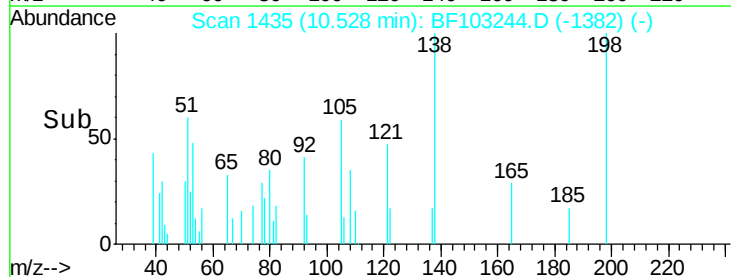
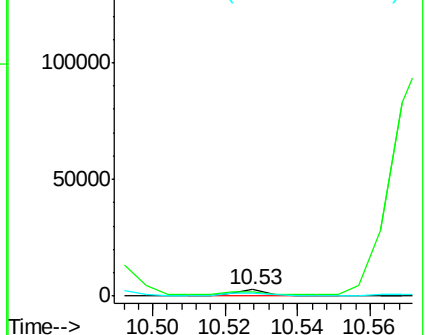
105 44.3 36.3 76.3

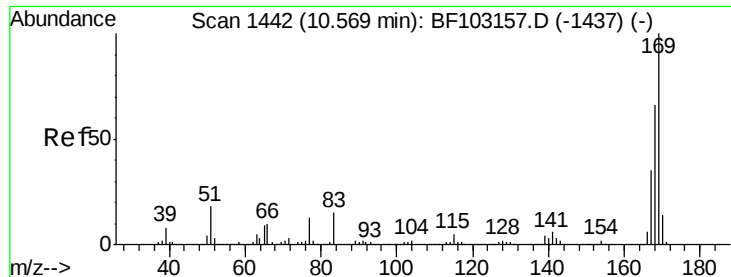


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

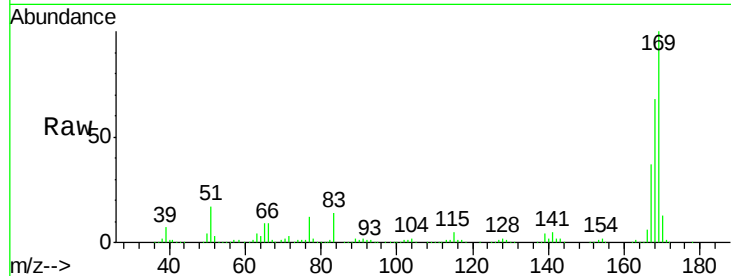




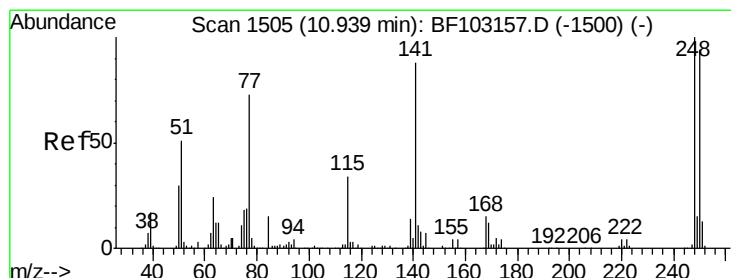
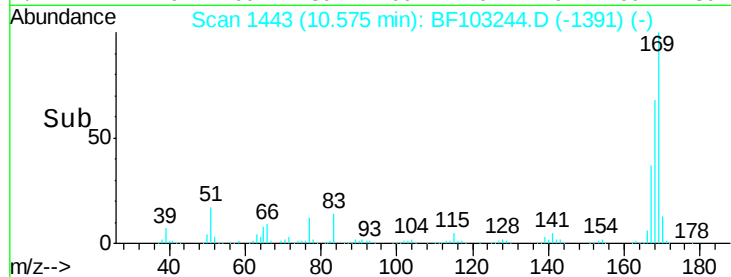
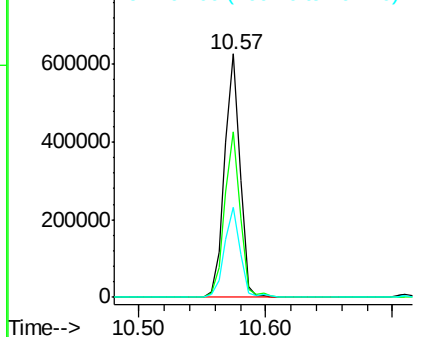
#65
n-Nitrosodiphenylamine
Concen: 47.58 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.9	54.4	81.6
167	37.2	29.8	44.6

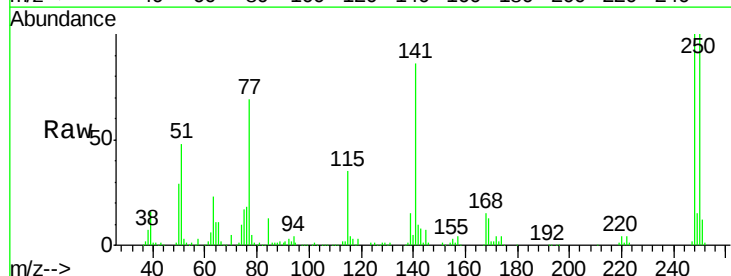


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

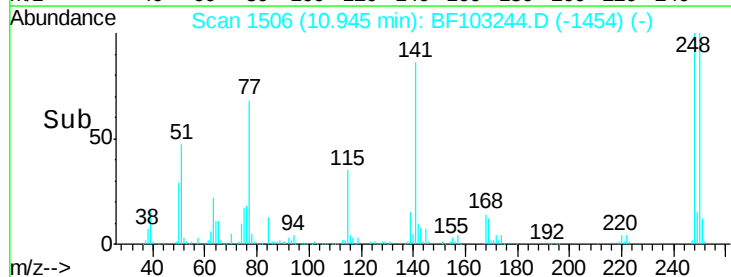
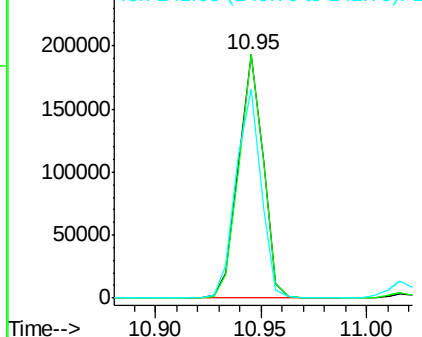


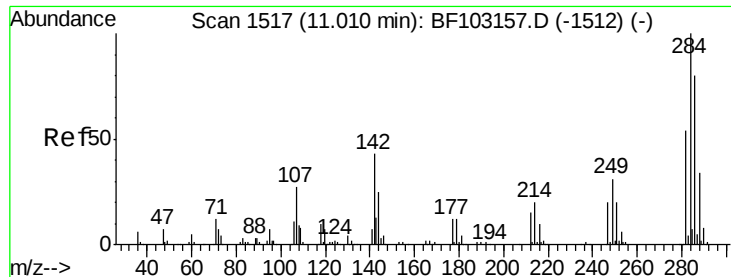
#66
4-Bromophenyl-phenylether
Concen: 46.62 ng
RT: 10.95 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.8	76.9	115.3
141	86.0	74.4	111.6



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

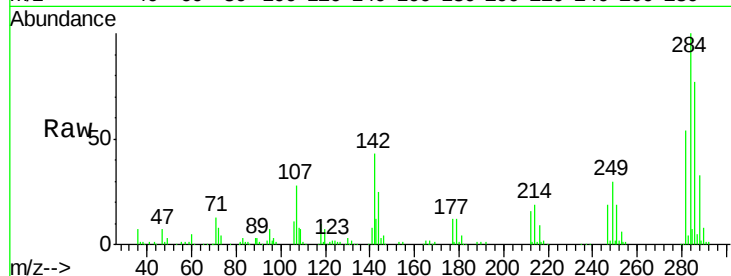




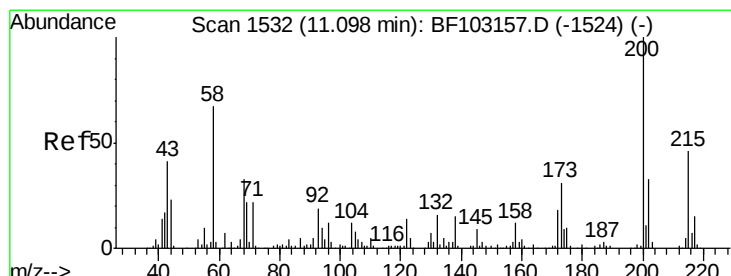
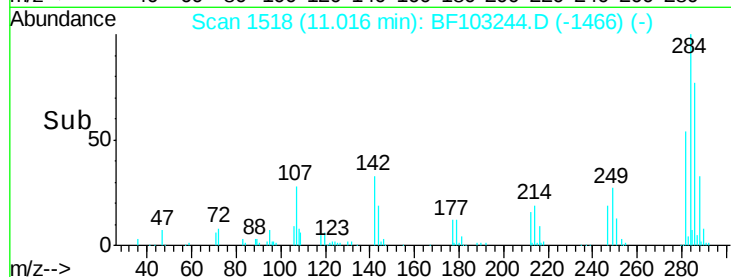
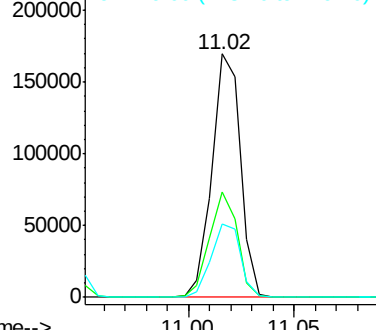
#67
Hexachlorobenzene
Concen: 43.67 ng
RT: 11.02 min Scan# 1518
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 158194
Ion Ratio Lower Upper
284 100
142 43.4 34.6 52.0
249 29.9 24.8 37.2

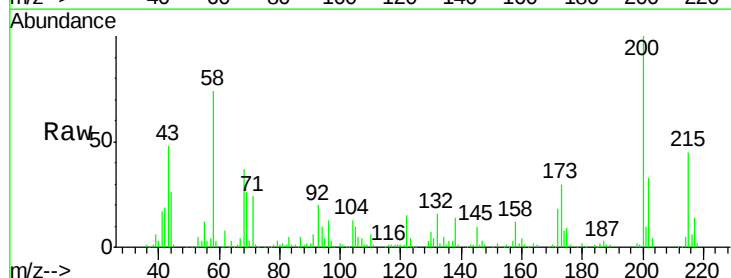


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

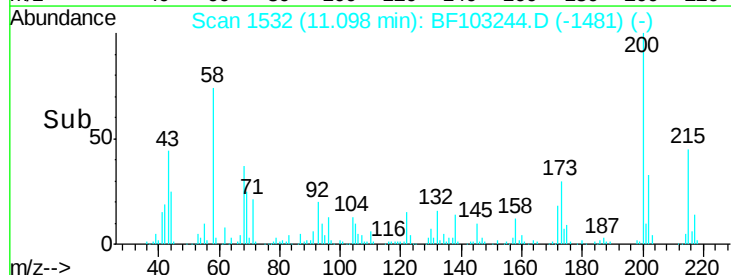
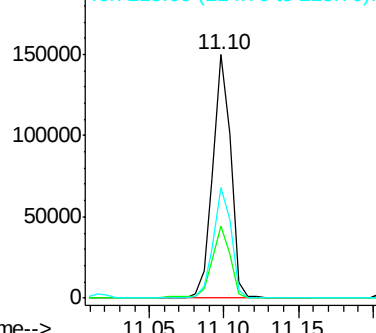


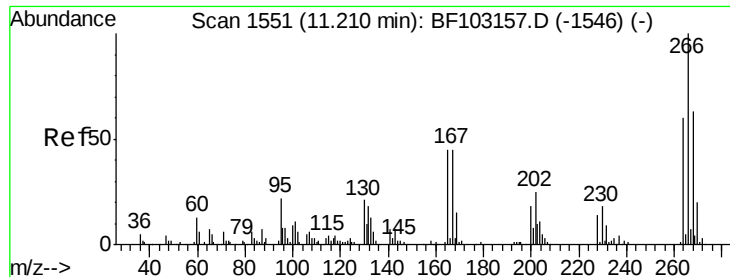
#68
Atrazine
Concen: 37.58 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:200 Resp: 126010
Ion Ratio Lower Upper
200 100
173 29.8 8.6 48.6
215 45.4 25.1 65.1



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

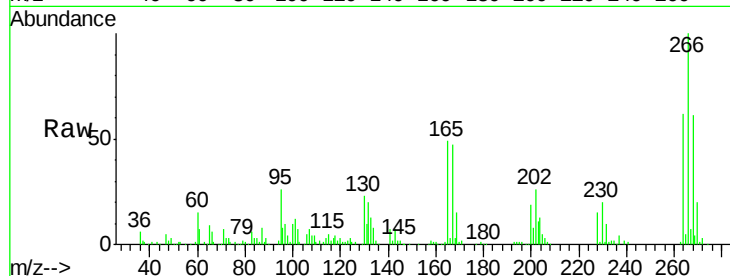




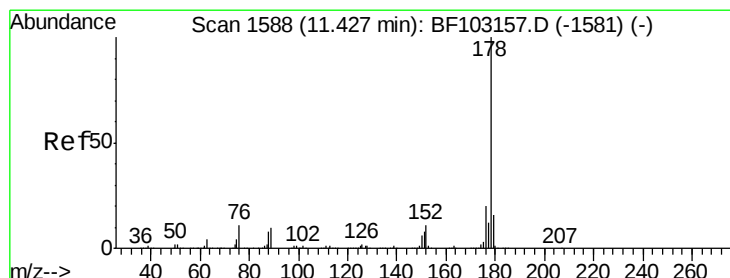
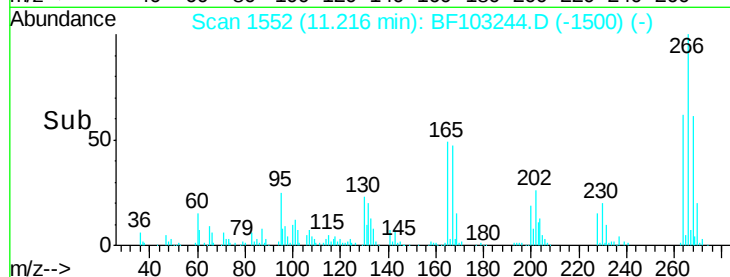
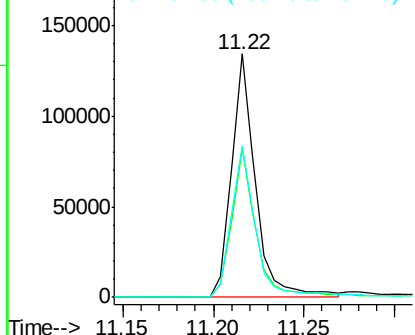
#69
 Pentachlorophenol
 Concen: 70.74 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 123914
 Ion Ratio Lower Upper
 266 100
 268 61.3 51.1 76.7
 264 62.1 49.5 74.3

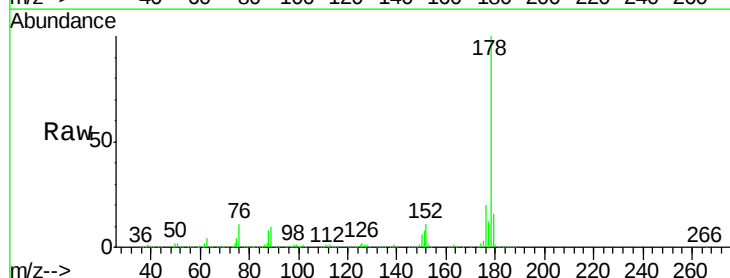


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

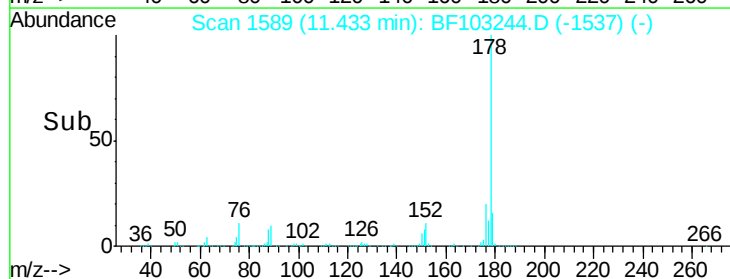
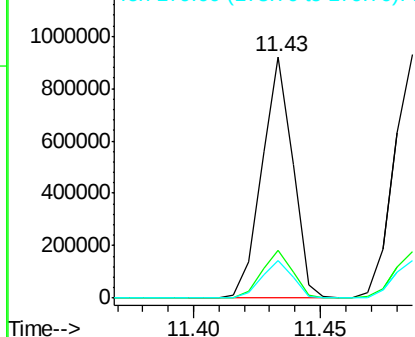


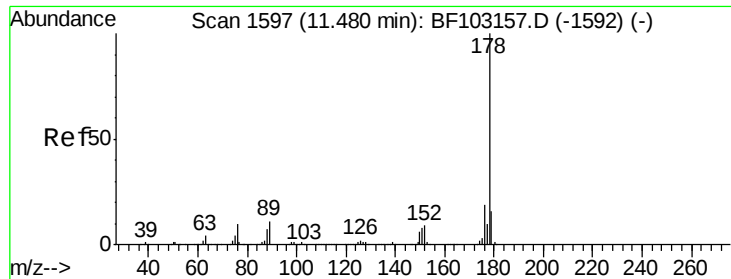
#70
 Phenanthrene
 Concen: 44.10 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:178 Resp: 777572
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.7 13.0 19.6



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

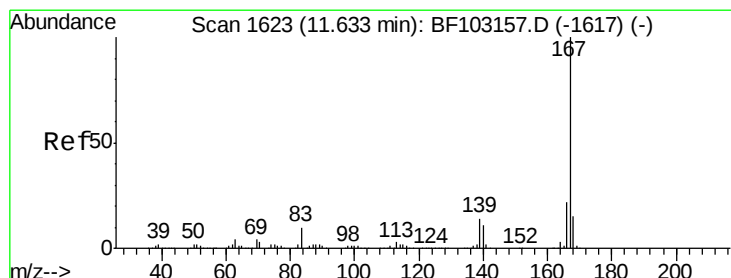
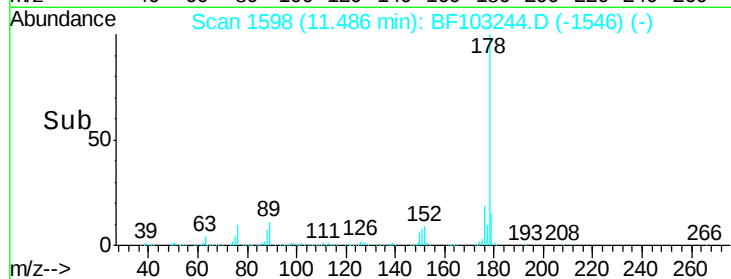
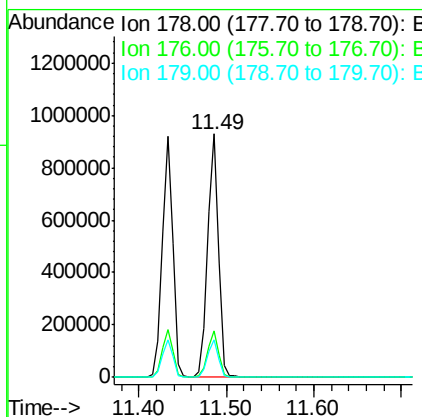
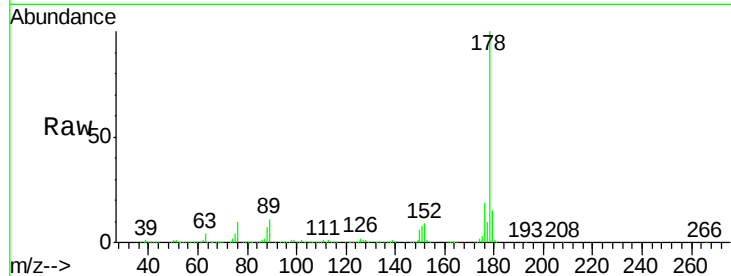




#71
 Anthracene
 Concen: 44.78 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

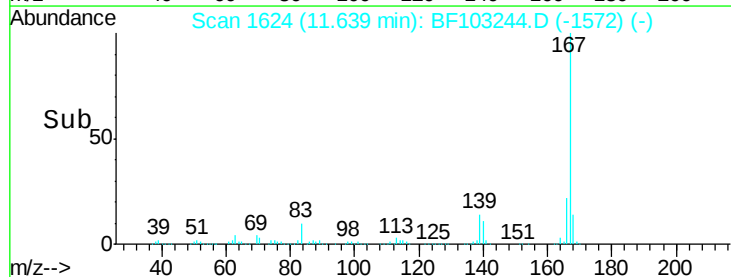
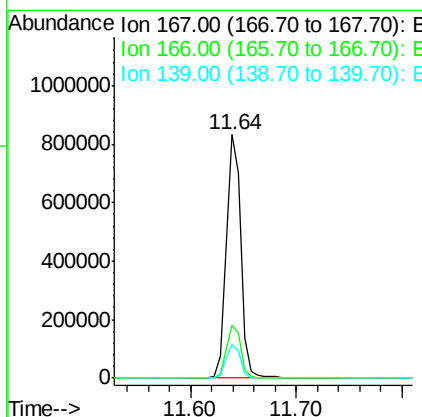
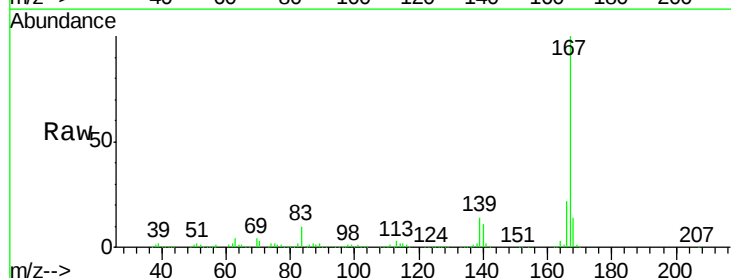
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 809636
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 43.79 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:167 Resp: 788490
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 14.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 45.72 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

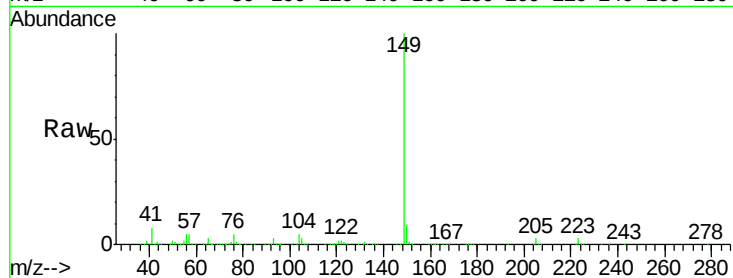
Tot Ion:149 Resp: 1030035

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

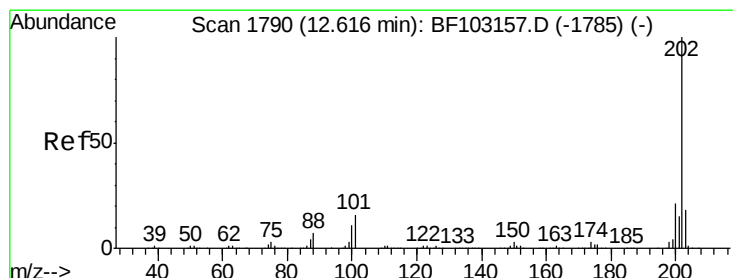
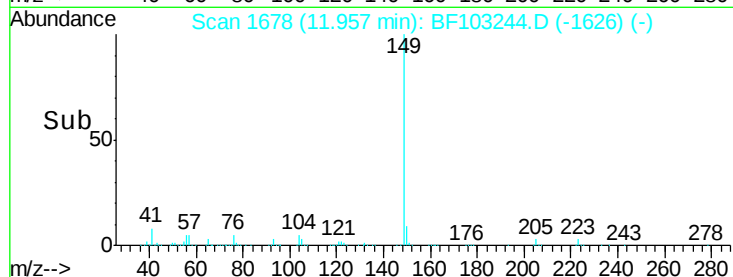
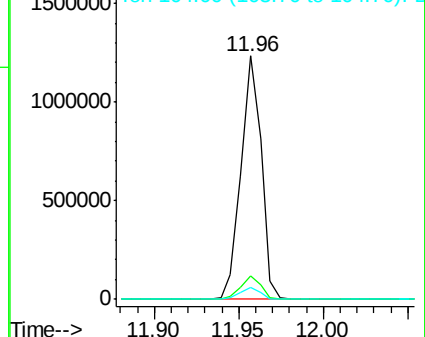
104 4.9 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.23 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

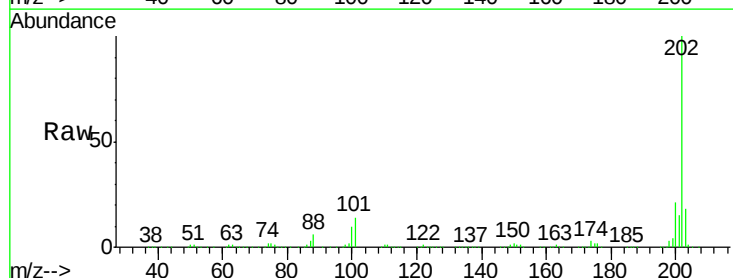
Tgt Ion:202 Resp: 783761

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

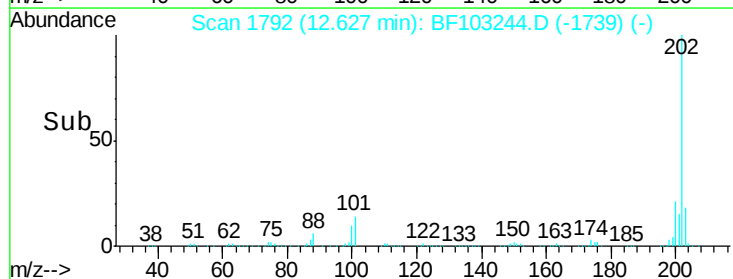
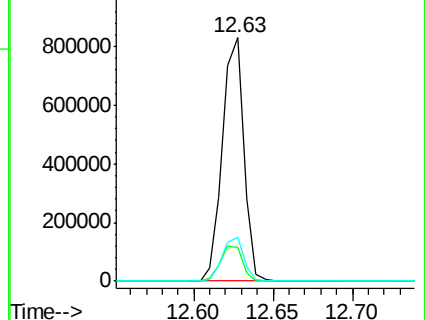
203 17.8 0.0 38.1

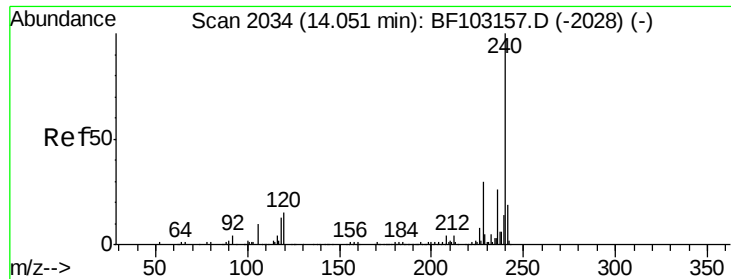


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

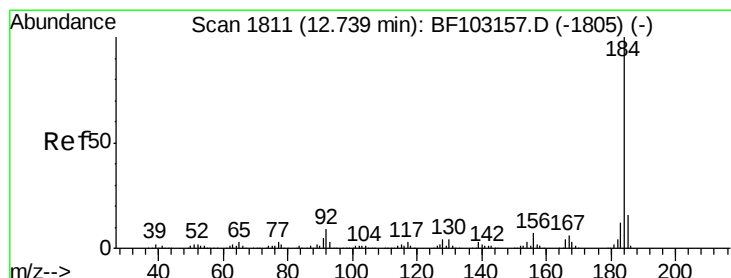
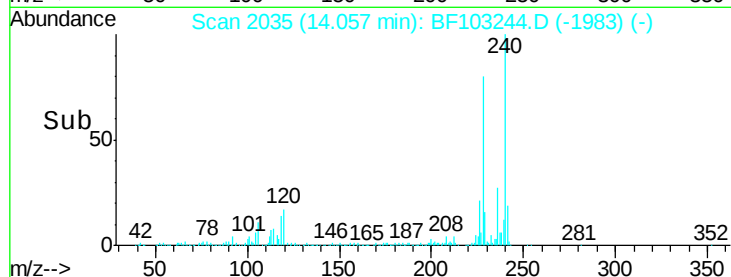
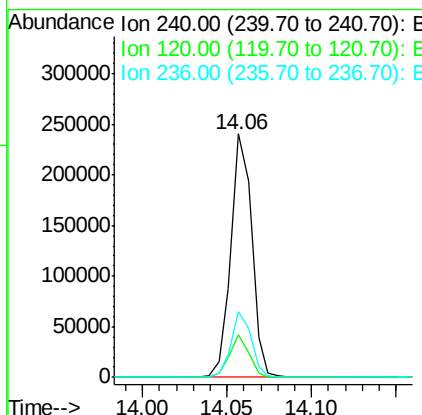
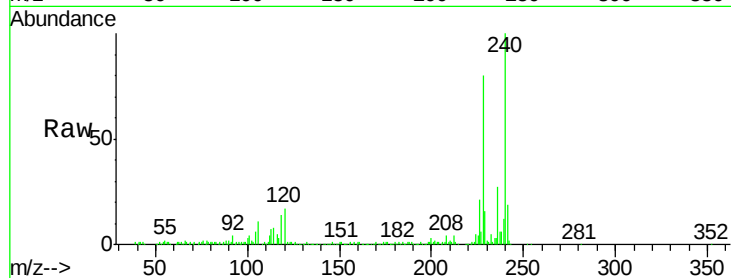




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

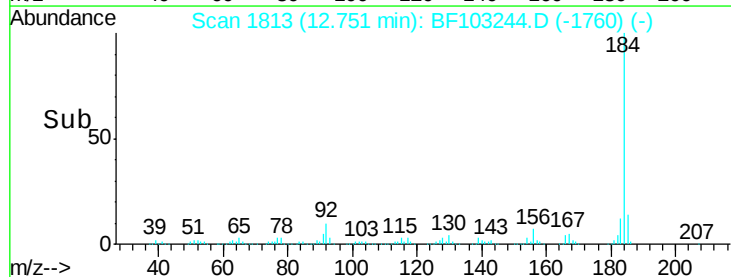
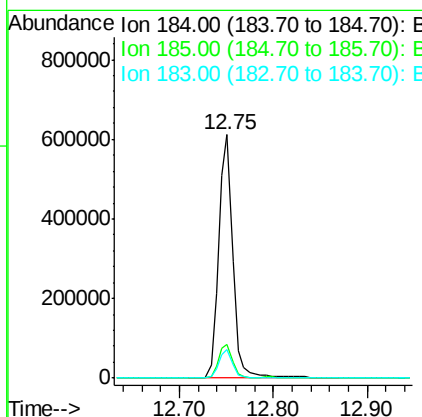
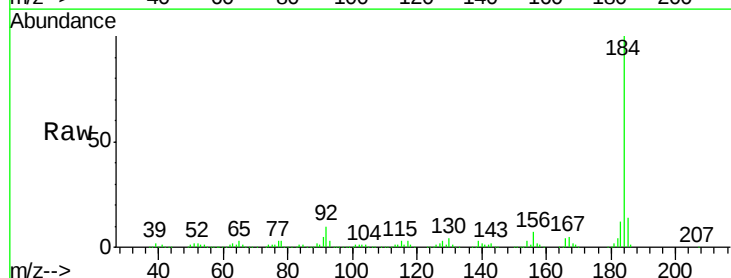
Instrument :
 BNA_F
 ClientSampleId :

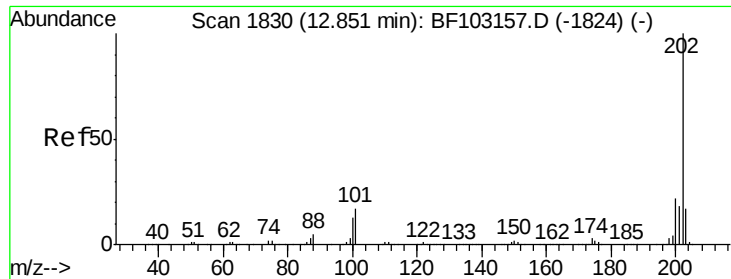
Tot Ion:240 Resp: 207609
 Ion Ratio Lower Upper
 240 100
 120 17.4 9.5 14.3#
 236 26.9 20.7 31.1



#76
 Benzidine
 Concen: 83.40 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:184 Resp: 647323
 Ion Ratio Lower Upper
 184 100
 185 14.0 12.6 18.8
 183 11.6 9.3 13.9

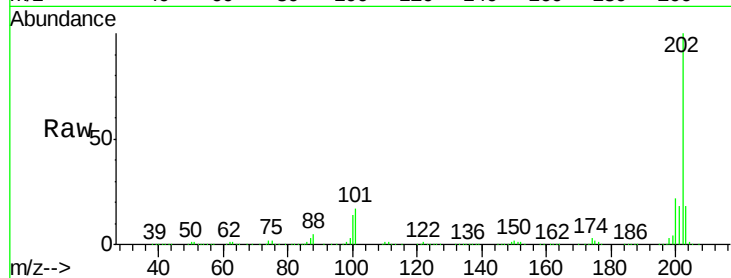




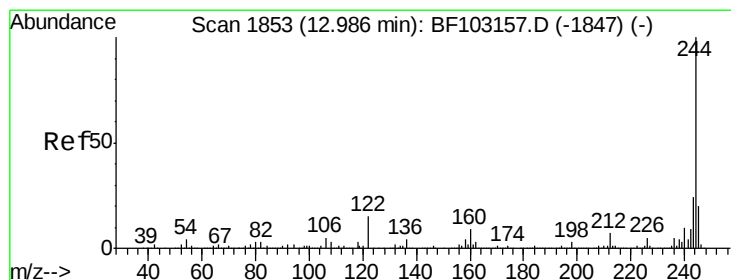
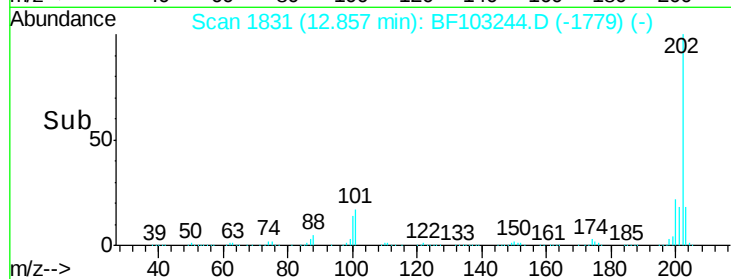
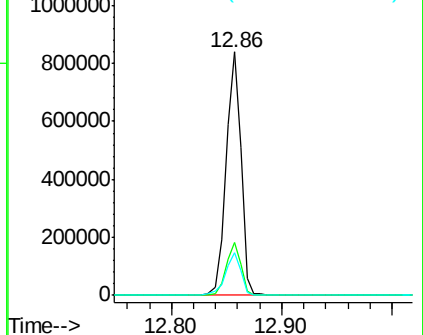
#77
Pvrene
Concen: 49.00 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 793057
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.6 14.3 21.5

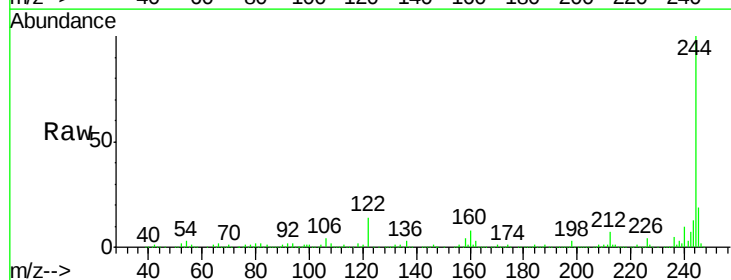


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

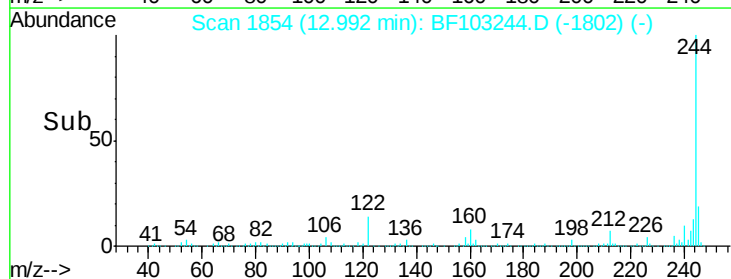
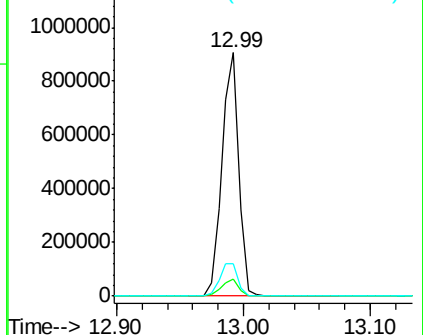


#78
Terphenyl-d14
Concen: 96.94 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:244 Resp: 837187
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.5 11.0 16.4



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

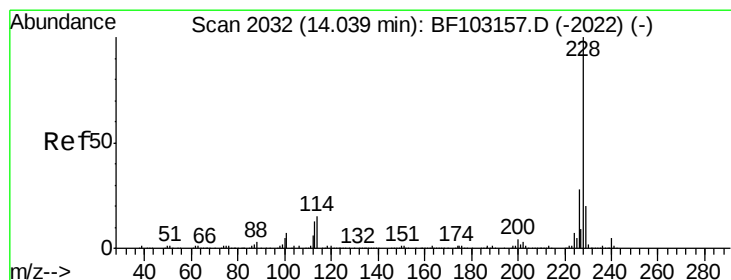
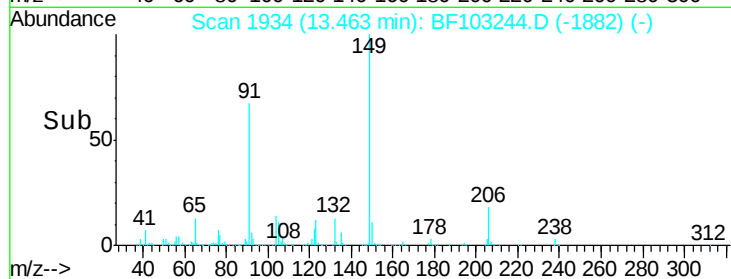
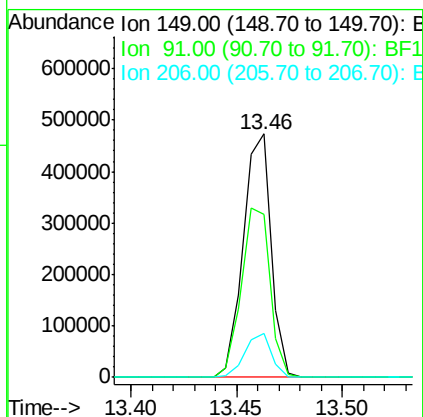
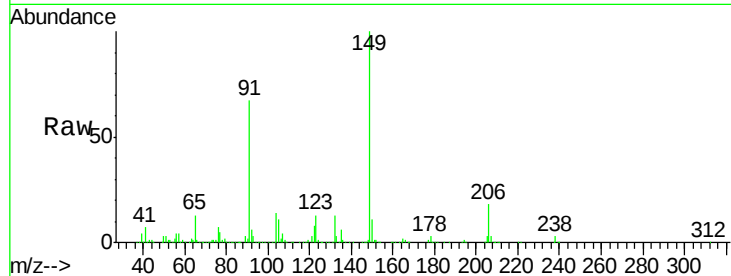




#79
 Butylbenzylphthalate
 Concen: 50.48 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

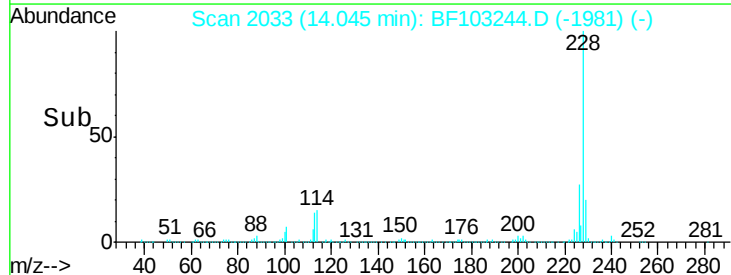
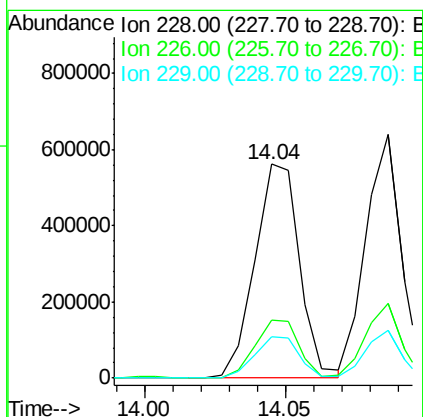
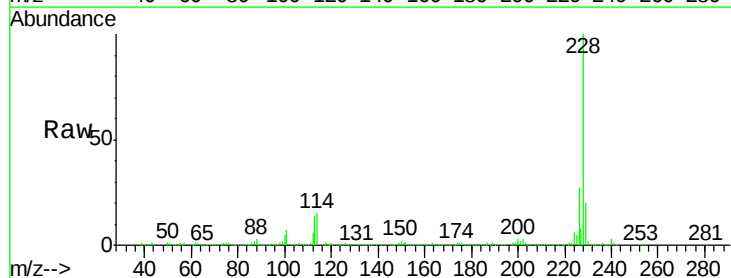
Instrument :
 BNA_F
 ClientSampleId :

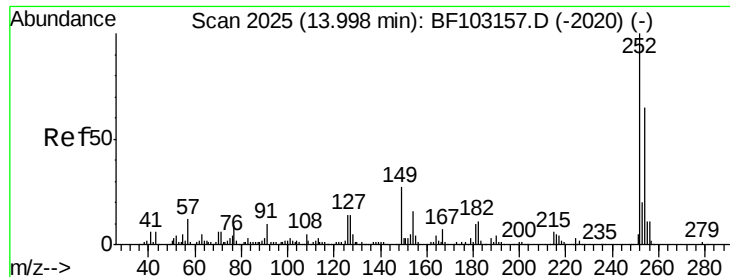
Tot Ion:149 Resp: 431719
 Ion Ratio Lower Upper
 149 100
 91 66.9 56.8 85.2
 206 18.0 14.1 21.1



#80
 Benzo(a)anthracene
 Concen: 45.80 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:228 Resp: 617004
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 33.8
 229 19.7 15.8 23.6

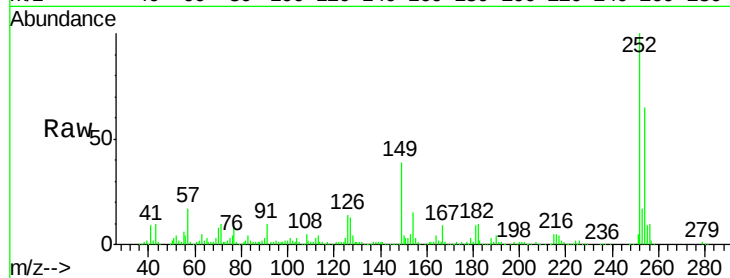




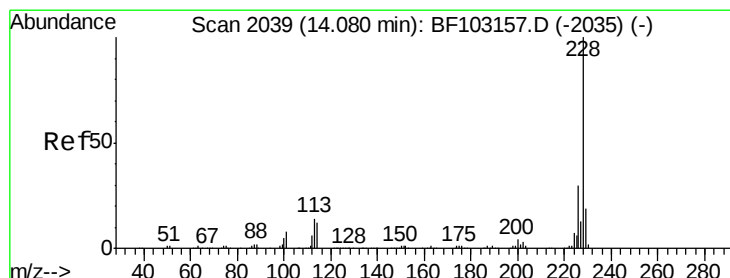
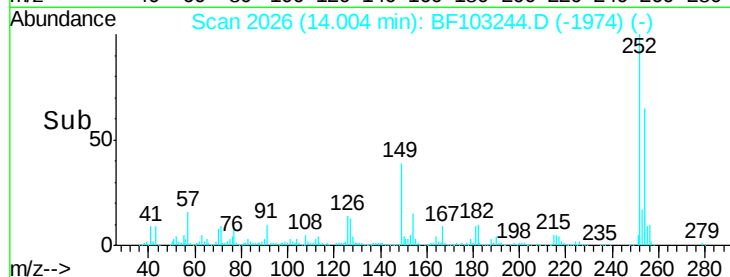
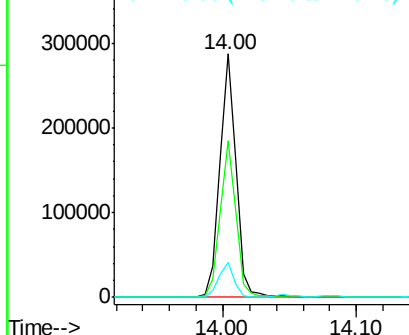
#81
 3,3'-Dichlorobenzidine
 Concen: 51.81 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.4	75.6
126	14.4	11.3	16.9

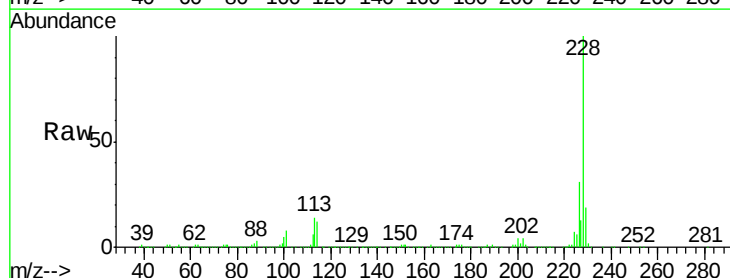


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

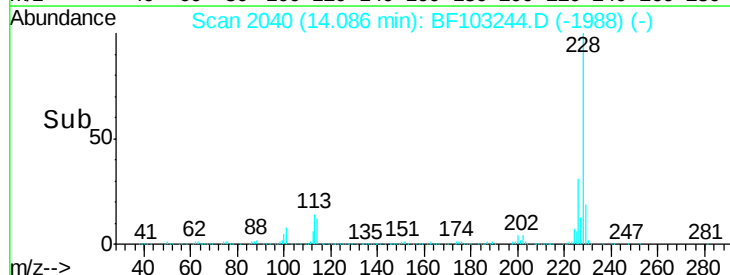
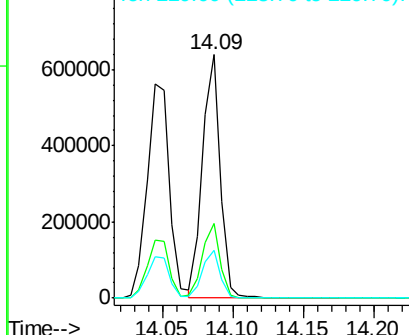


#82
 Chrysene
 Concen: 42.66 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.4	16.2	24.4



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

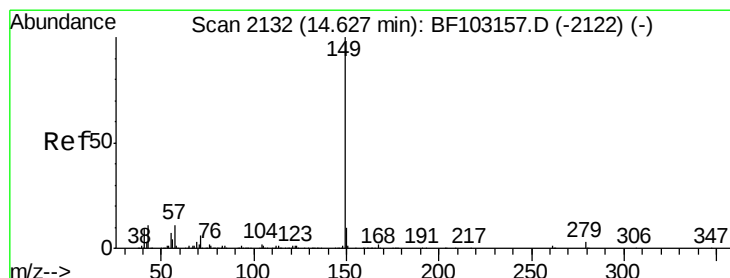
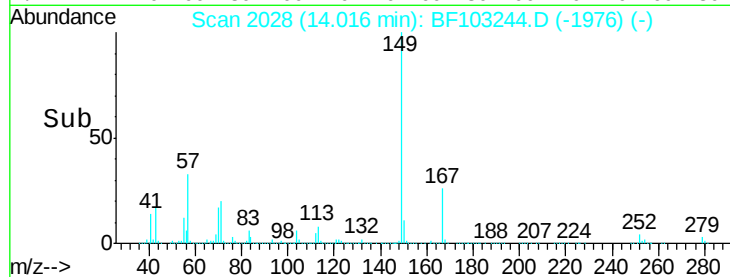
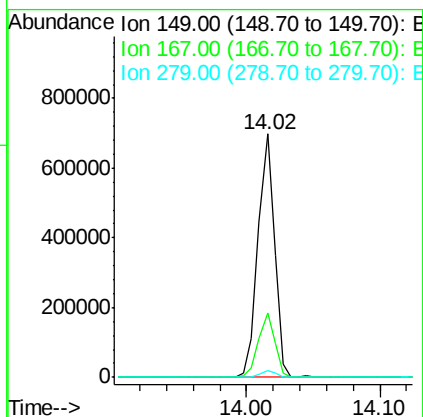
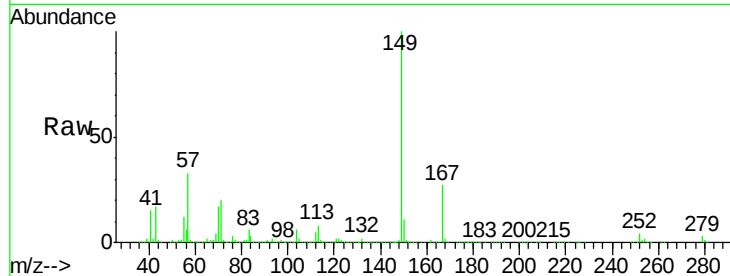




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.88 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

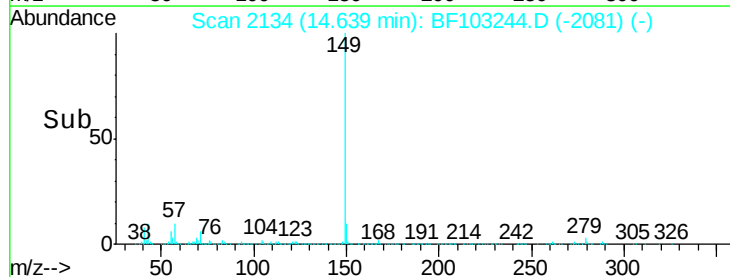
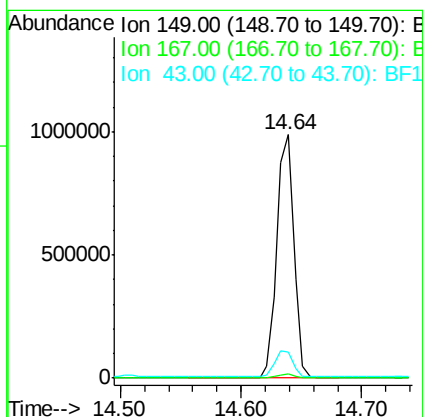
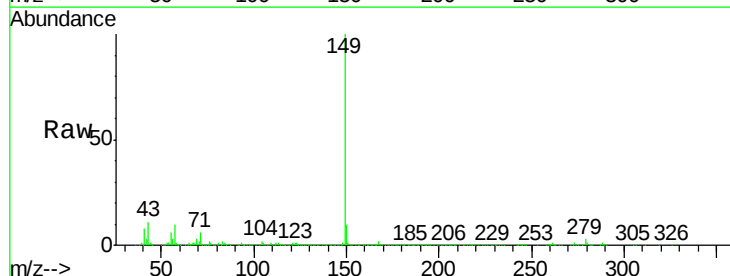
Instrument :
 BNA_F
 ClientSampleId :

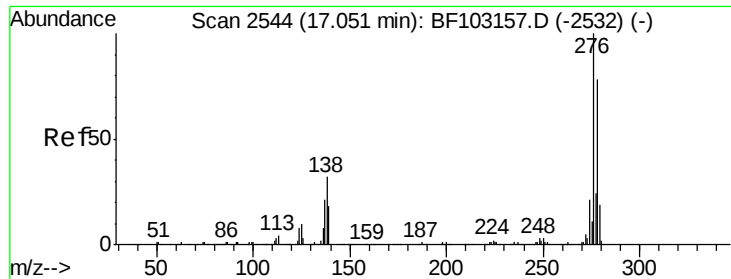
Tot Ion:149 Resp: 587135
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.3 31.9
 279 2.8 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 51.08 ng
 RT: 14.64 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion:149 Resp: 952383
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 11.6 8.4 12.6

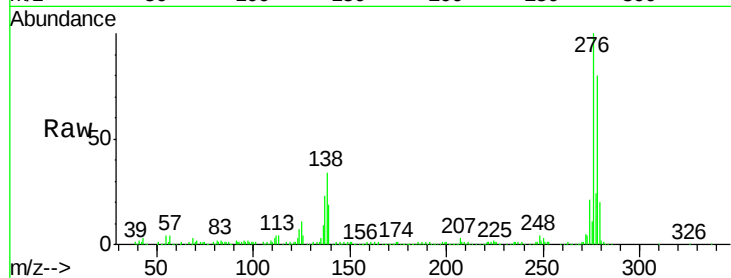




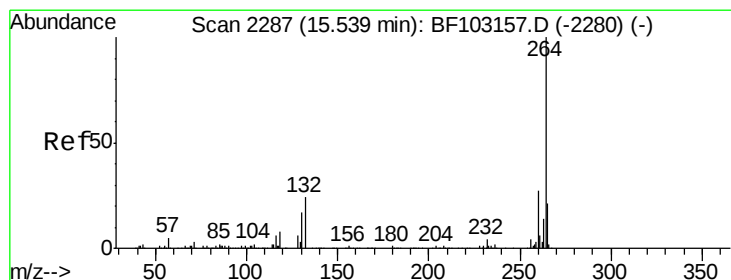
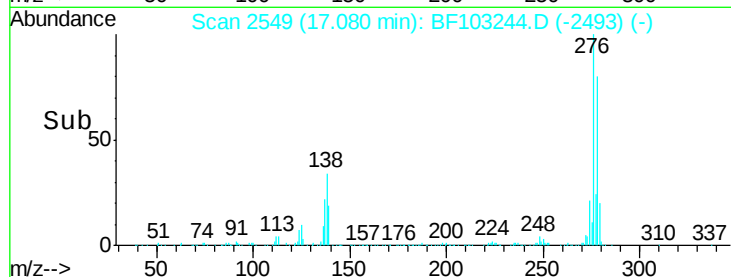
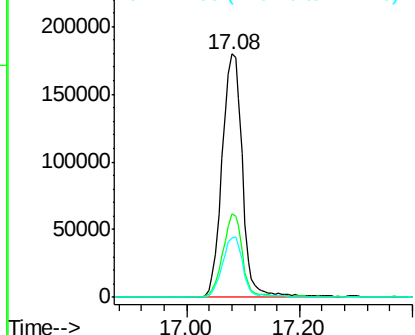
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.92 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.3	25.0	37.6
277	25.0	20.1	30.1

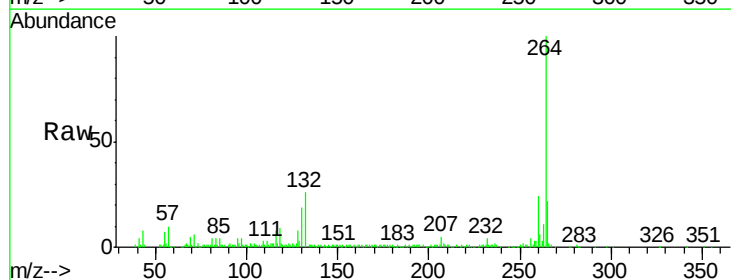


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

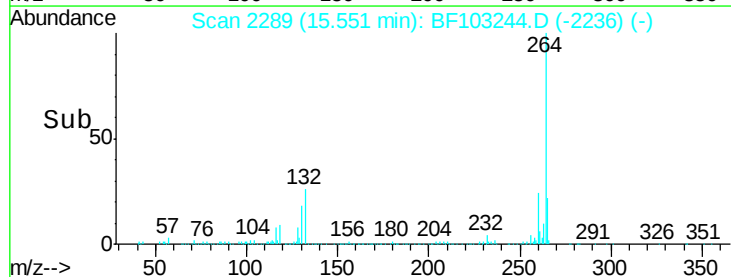
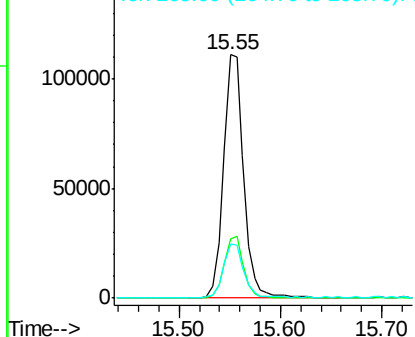


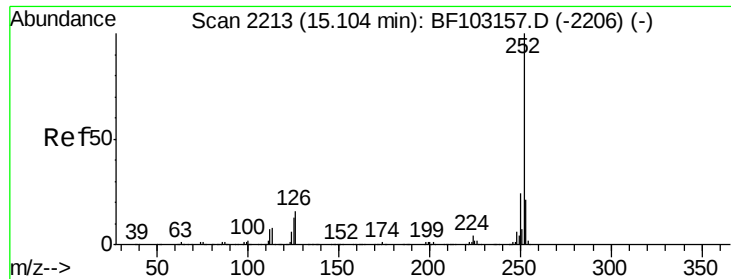
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 44.89 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

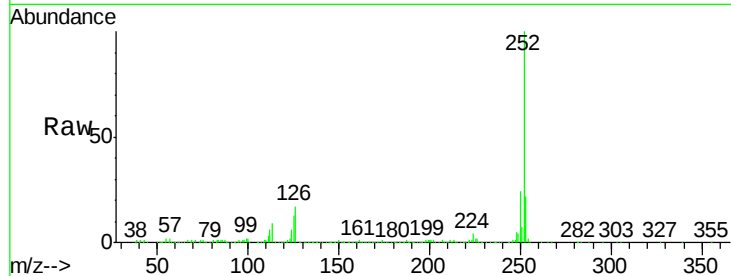
Tot Ion:252 Resp: 450346

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

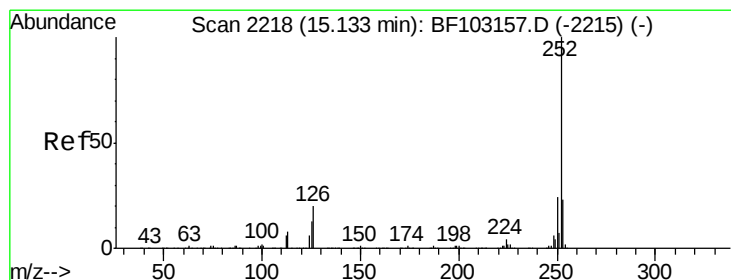
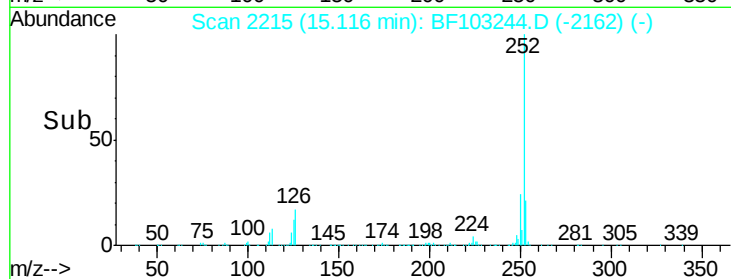
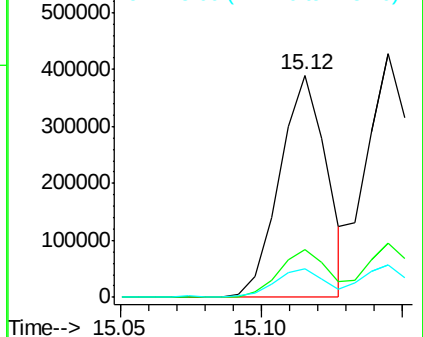
125 12.7 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 48.56 ng

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

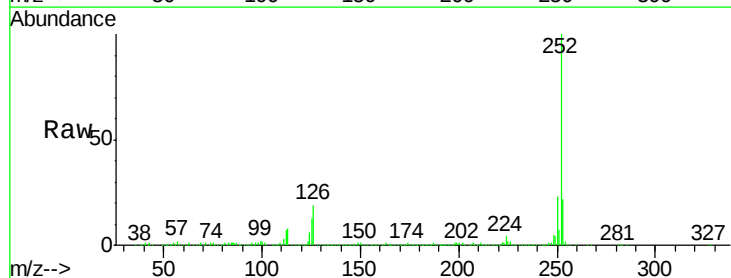
Tgt Ion:252 Resp: 458688

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

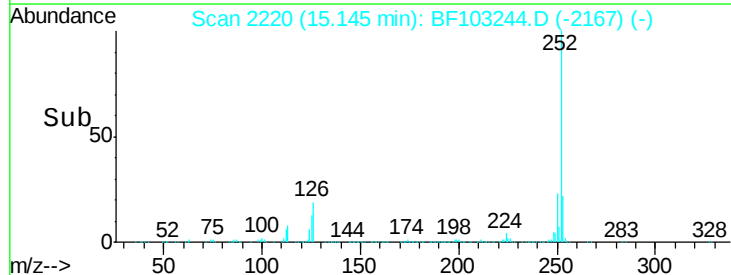
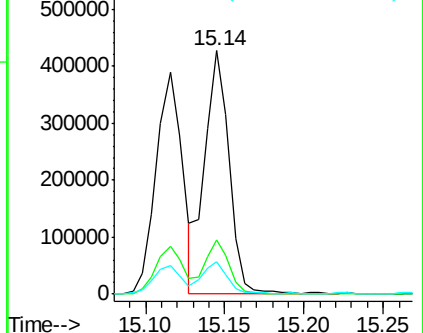
125 13.4 10.2 15.2

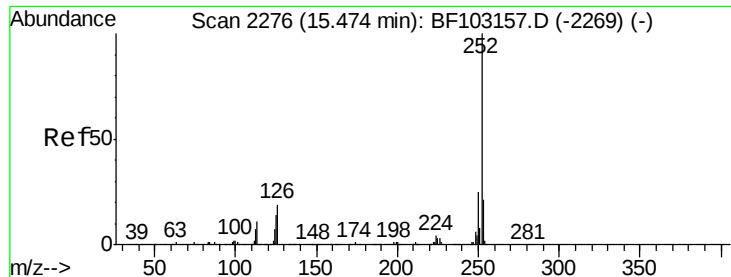


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 47.70 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

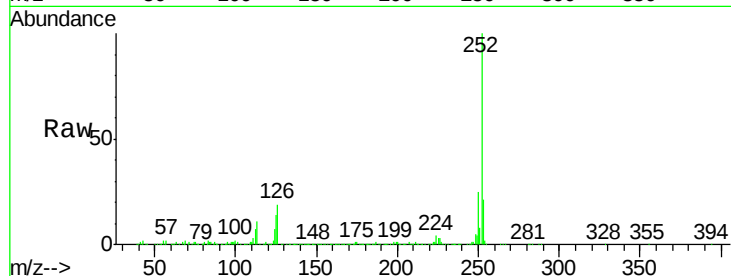
Tot Ion:252 Resp: 427297

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

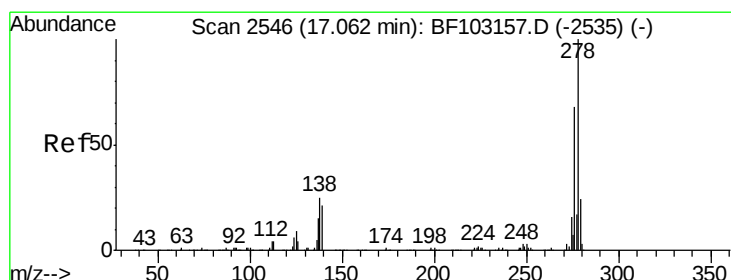
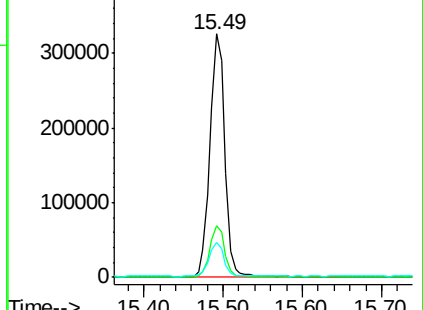
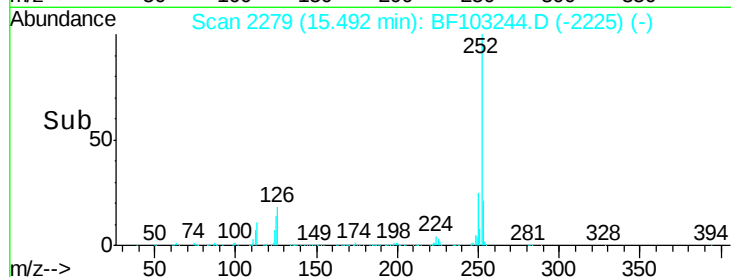
125 14.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 53.92 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.03 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

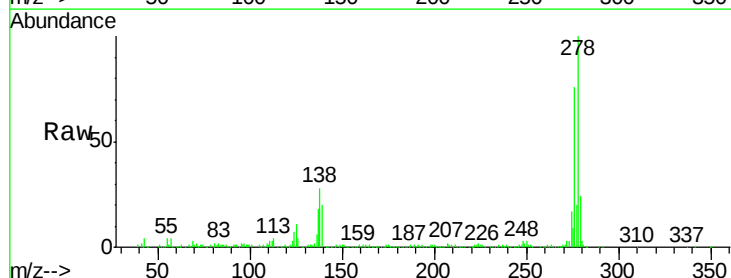
Tgt Ion:278 Resp: 373265

Ion Ratio Lower Upper

278 100

139 20.4 15.9 23.9

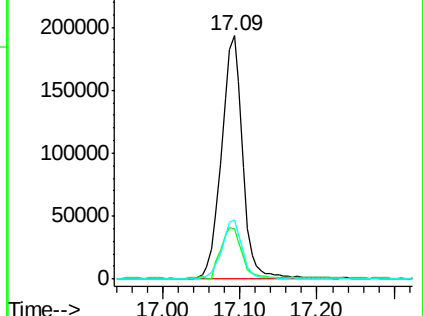
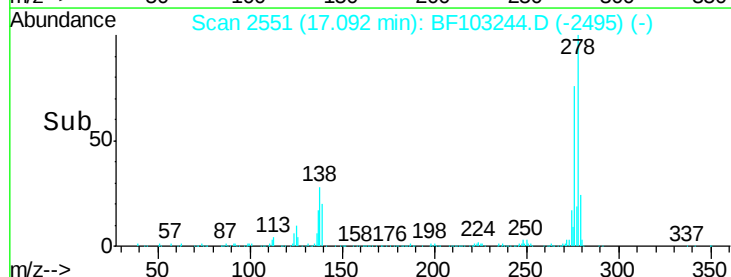
279 24.4 19.0 28.4

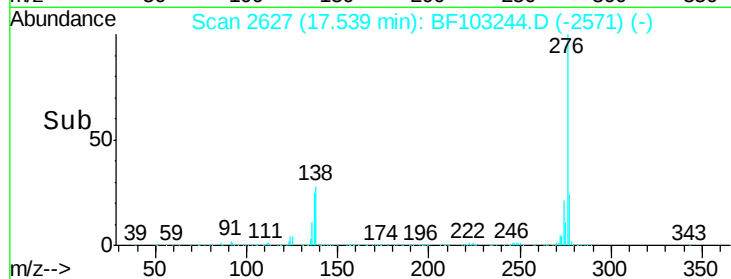
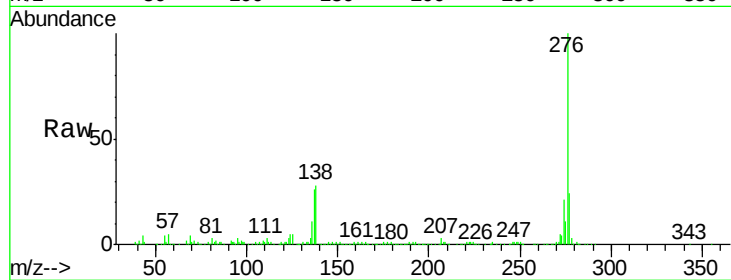
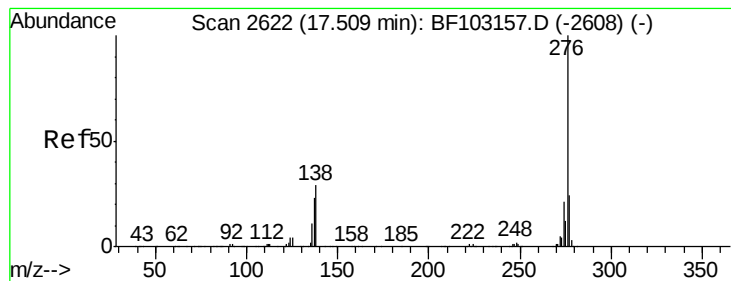


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 54.48 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 368613

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 28.1 21.8 32.8

