

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104949.D
 Acq On : 30 Apr 2018 22:34
 Operator : JU/SJ
 Sample : J2654-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:39:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	118459	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	459178	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	186931	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	274978	20.00	ng	0.00
75) Chrysene-d12	13.97	240	212977	20.00	ng	0.00
86) Perylene-d12	15.43	264	166028	20.00	ng	0.00

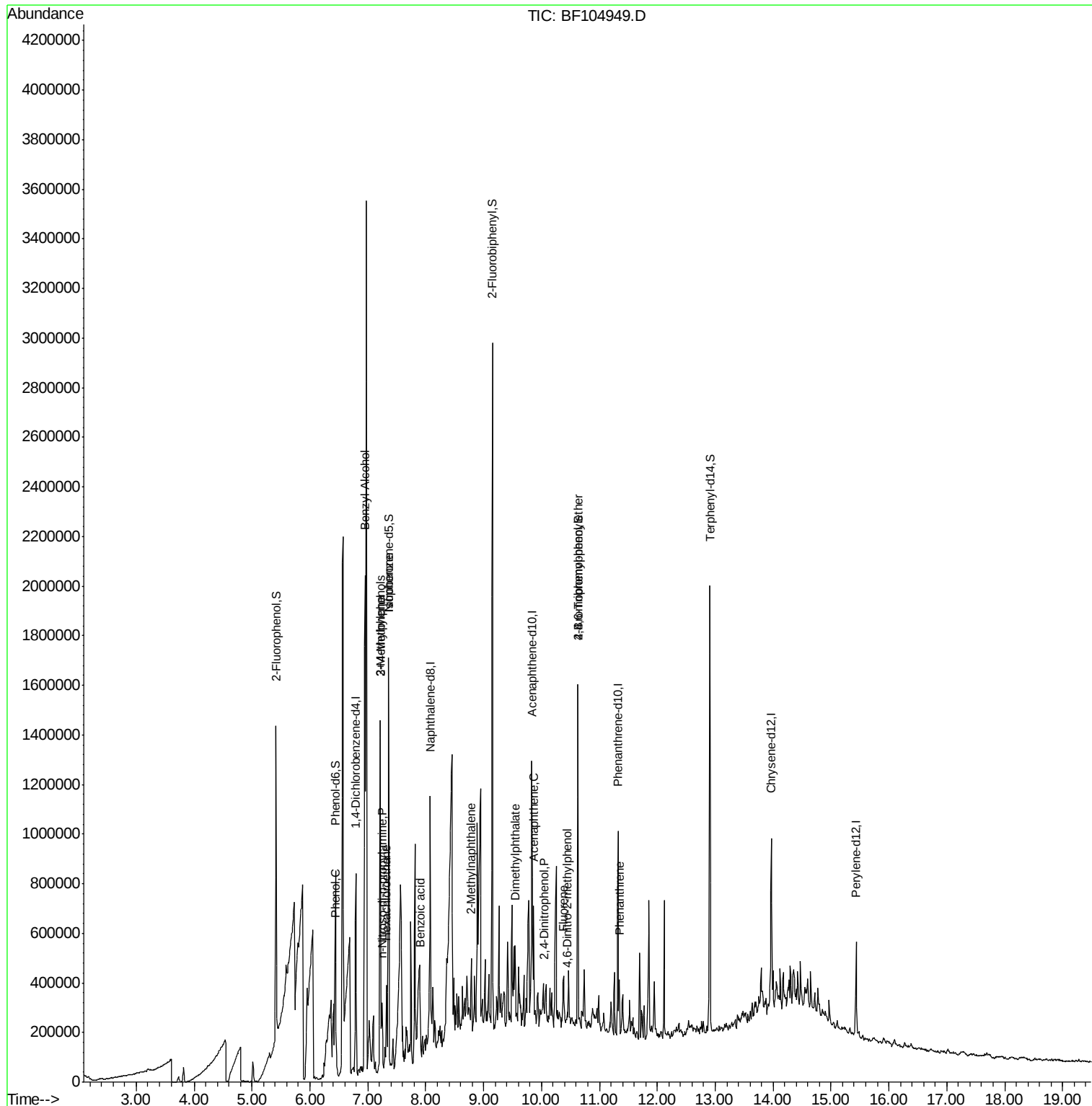
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	404832	52.26	ng	0.00
7) Phenol-d6	6.44	99	326556	34.31	ng	0.00
23) Nitrobenzene-d5	7.36	82	508039	72.25	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	175127	90.31	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	896847	75.79	ng	0.00
78) Terphenyl-d14	12.91	244	626799	67.10	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	1658	Below Cal	#	55
10) Phenol	6.45	94	25127	2.49	ng	91
15) Benzyl Alcohol	6.95	79	14605	2.02	ng	40
17) 2-Methylphenol	7.22	107	402944	56.69	ng	69
18) Hexachloroethane	7.32	117	22497	6.83	ng	1
19) n-Nitroso-di-n-propylamine	7.25	70	13347	2.15	ng	52
20) 3+4-Methylphenols	7.22	107	402944	45.71	ng	85
25) Isophorone	7.36	82	506630	34.07	ng	64
32) Benzoic acid	7.90	122	21341	4.08	ng	93
37) 2-Methylnaphthalene	8.79	142	72568	4.91	ng	98
49) Dimethylphthalate	9.55	163	46794	3.17	ng	99
51) Acenaphthene	9.86	154	77949	6.56	ng	99
53) 2,4-Dinitrophenol	10.05	184	142	5.32	ng	49
57) Fluorene	10.38	166	42242	3.51	ng	99
64) 4,6-Dinitro-2-methylphenol	10.45	198	119	7.42	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	10509	3.59	ng	1
70) Phenanthrene	11.35	178	62920	4.11	ng	98
76) Benzidine	12.63	184	552	Below Cal	#	1

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampled :

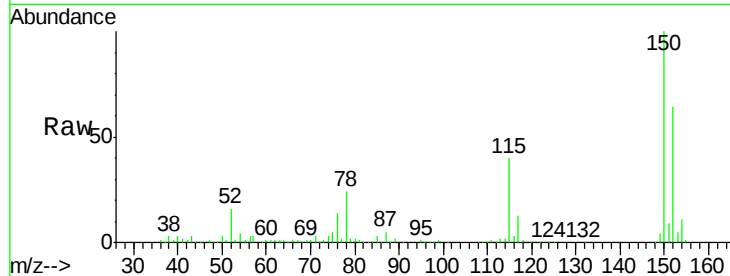
Tot Ion:152 Resp: 118459

Ion Ratio Lower Upper

152 100

150 155.4 124.6 186.8

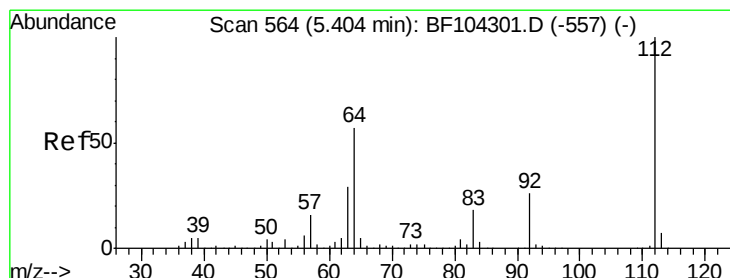
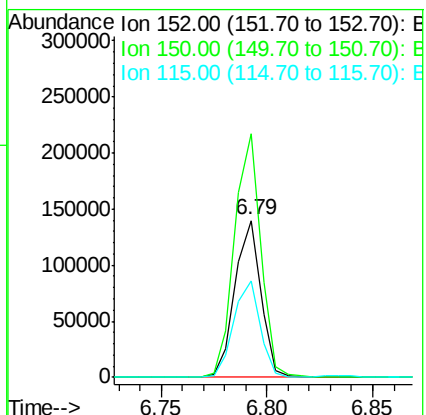
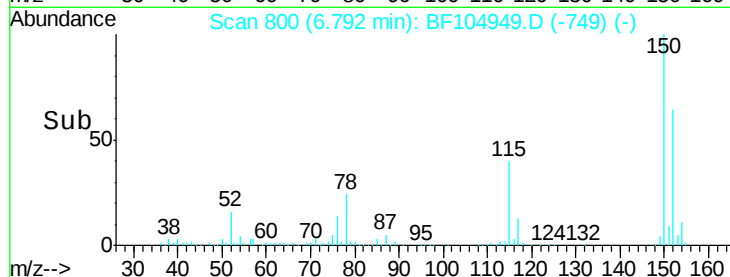
115 61.6 50.1 75.1



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



#5

2-Fluorophenol

Concen: 52.26 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

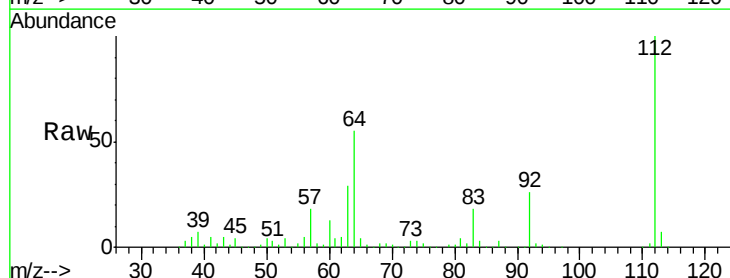
Tgt Ion:112 Resp: 404832

Ion Ratio Lower Upper

112 100

64 55.0 47.9 71.9

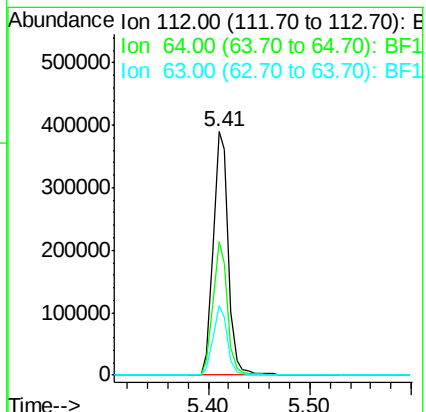
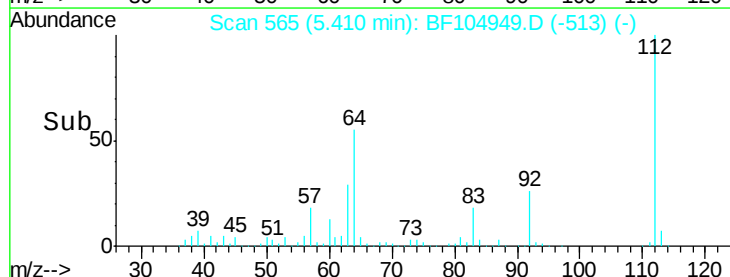
63 28.7 23.7 35.5

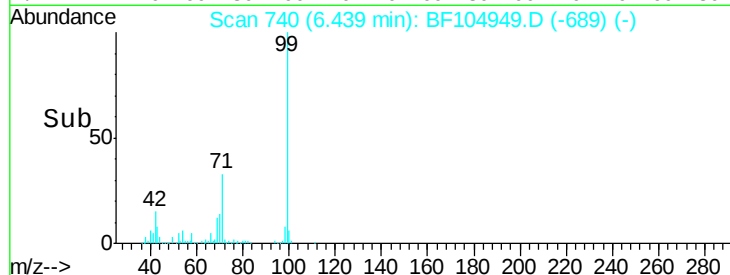
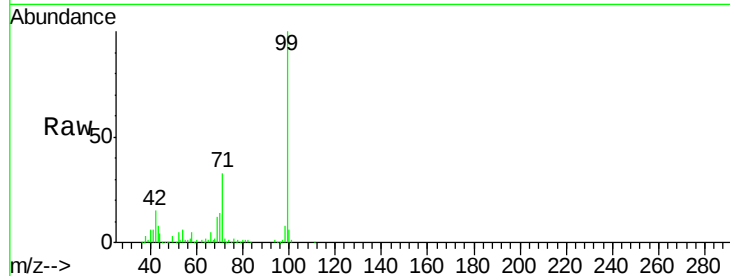


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 34.31 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampleId :

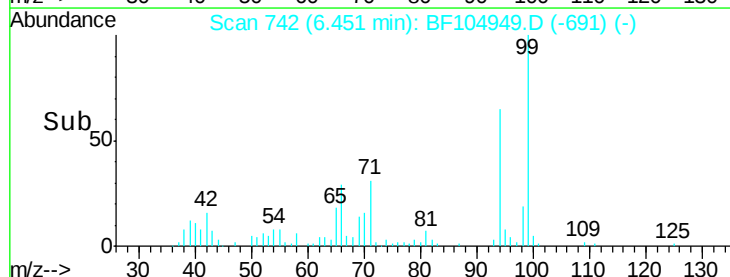
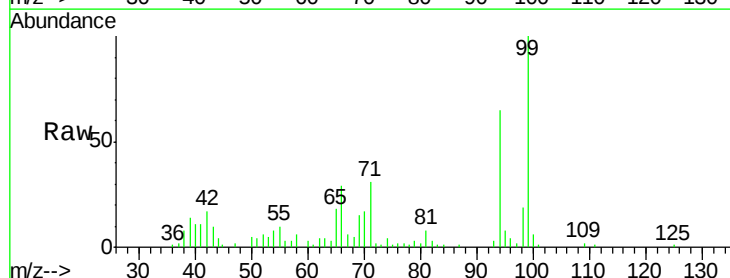
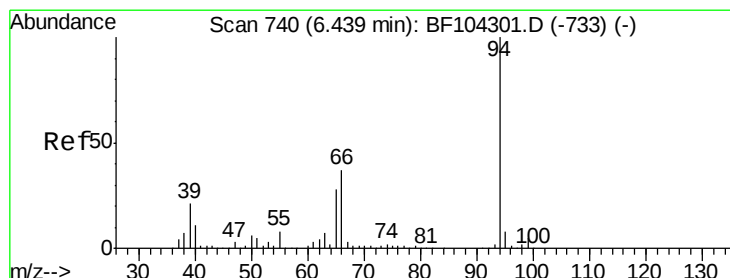
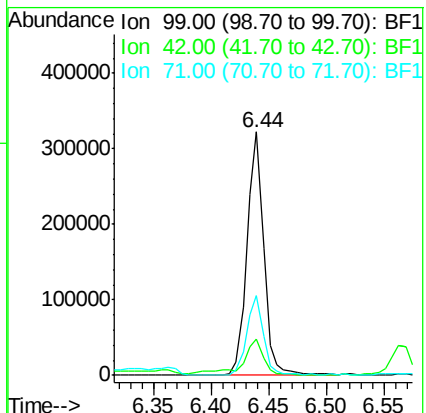
Tot Ion: 99 Resp: 326556

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 32.7 25.4 38.0



#10

Phenol

Concen: 2.49 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

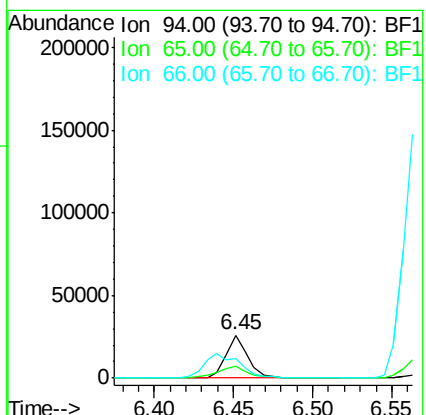
Tgt Ion: 94 Resp: 25127

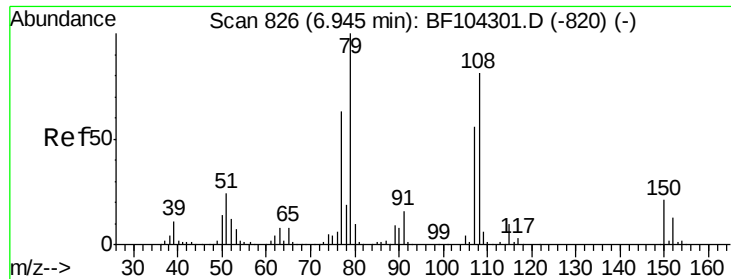
Ion Ratio Lower Upper

94 100

65 26.8 7.9 47.9

66 44.8 16.2 56.2





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampled :

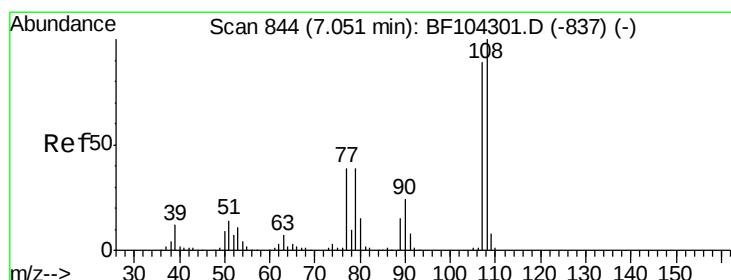
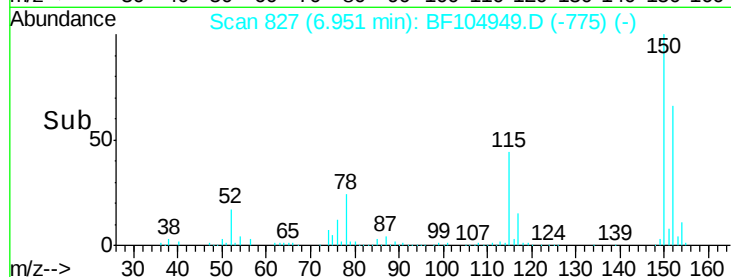
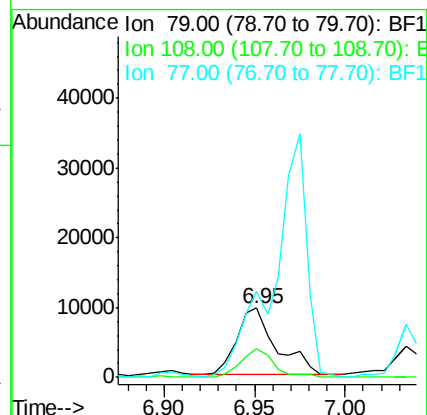
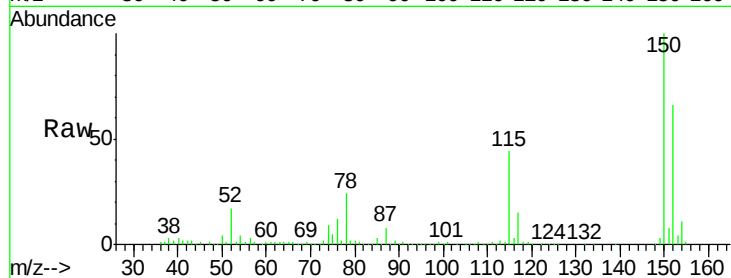
Tot Ion: 79 Resp: 14605

Ion Ratio Lower Upper

79 100

108 42.2 65.1 97.7#

77 125.8 50.6 75.8#



#17

2-Methylphenol

Concen: 56.69 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.16 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Tgt Ion: 107 Resp: 402944

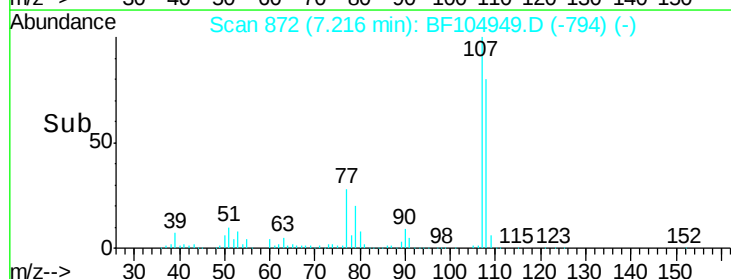
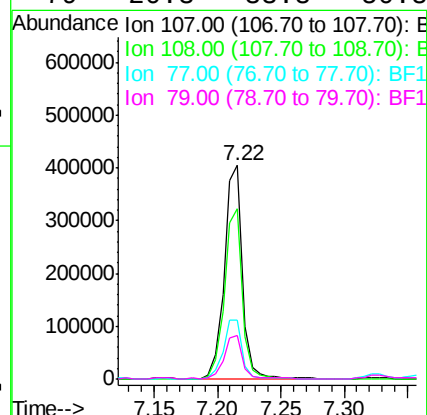
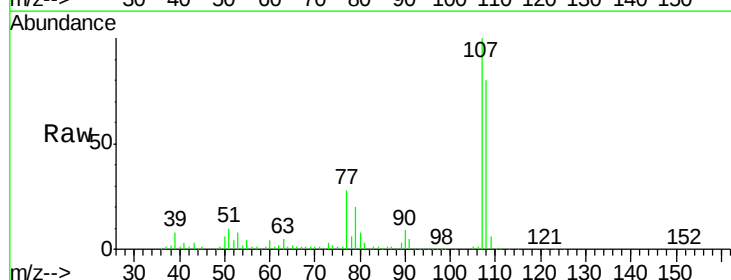
Ion Ratio Lower Upper

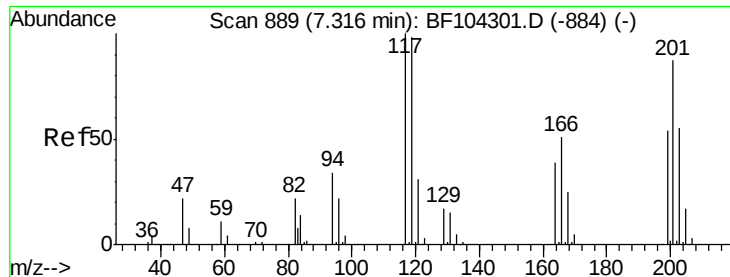
107 100

108 79.8 91.7 137.5#

77 27.6 33.8 50.8#

79 20.3 33.8 50.8#

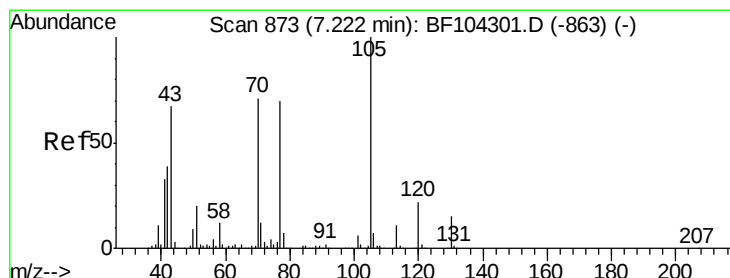
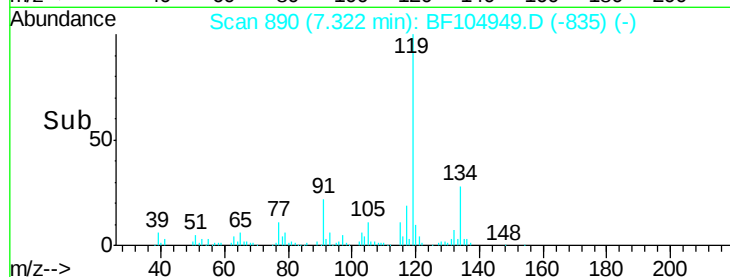
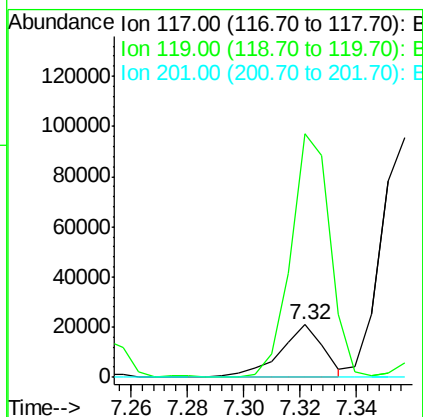
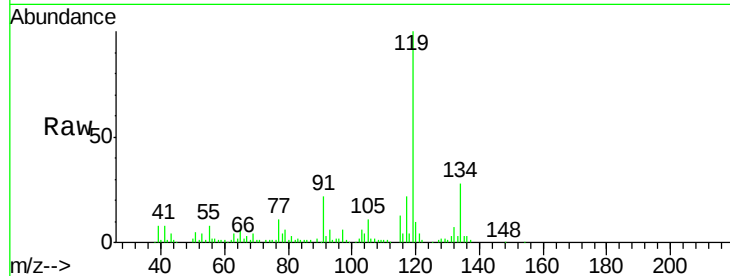




#18
Hexachloroethane
Concen: 6.83 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

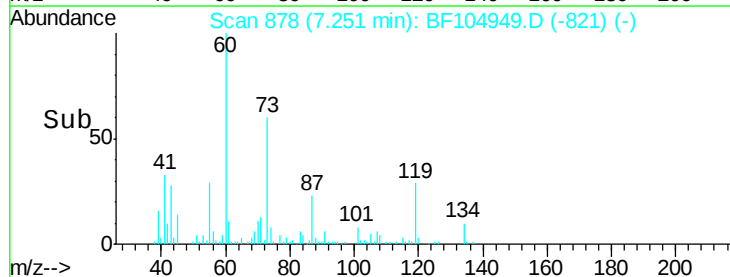
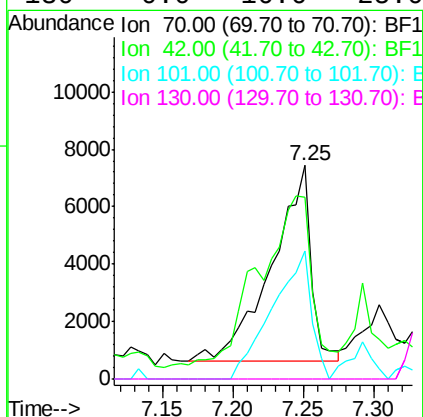
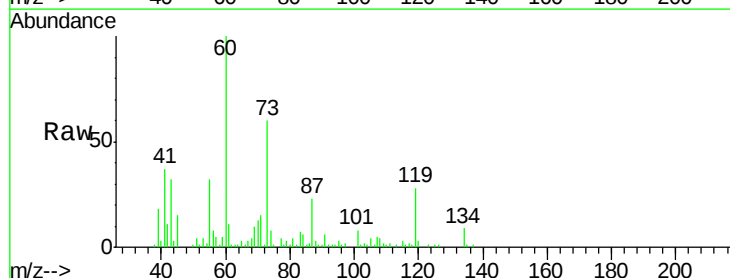
Instrument :
BNA_F
ClientSampleId :

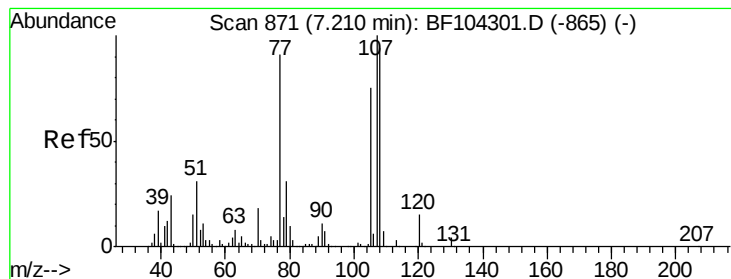
Tot Ion:117 Resp: 22497
Ion Ratio Lower Upper
117 100
119 460.6 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.15 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.04 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

Tgt Ion: 70 Resp: 13347
Ion Ratio Lower Upper
70 100
42 85.3 47.5 71.3#
101 59.7 7.4 11.2#
130 0.0 16.6 25.0#





#20

3+4-Methylphenols

Concen: 45.71 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 402944

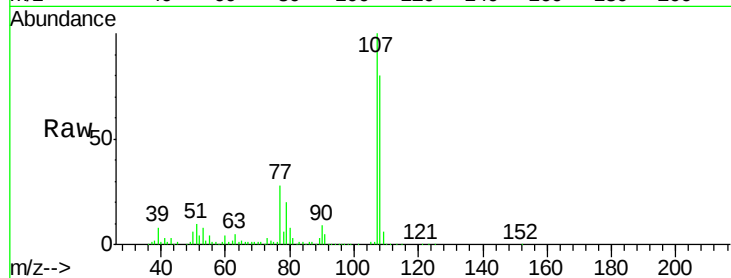
Ion Ratio Lower Upper

107 100

108 79.8 68.2 108.2

77 27.6 26.7 66.7

79 20.3 6.3 46.3

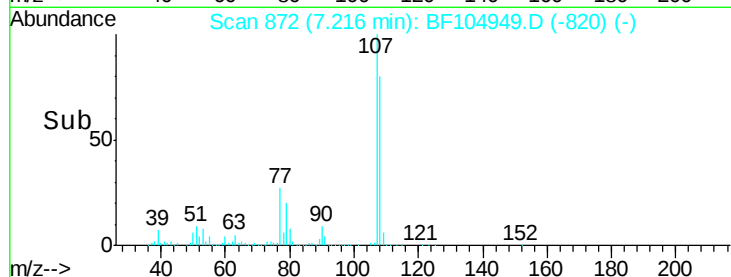


Abundance Ion 107.00 (106.70 to 107.70): E

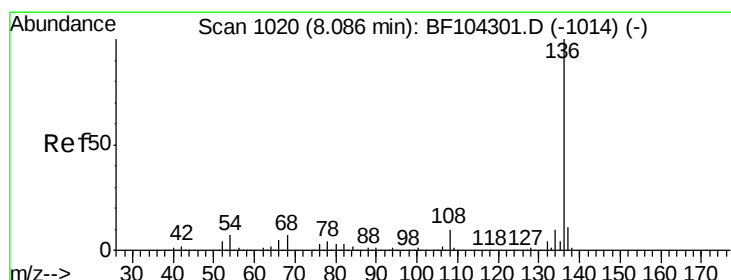
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Tgt Ion:136 Resp: 459178

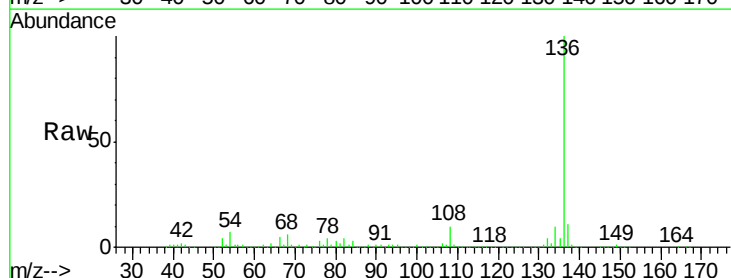
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.8 6.6 9.8

68 5.9 5.0 7.4

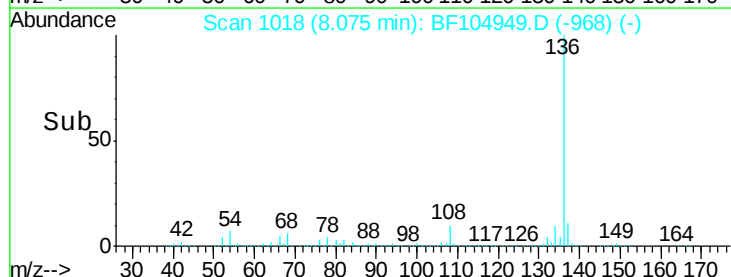


Abundance Ion 136.00 (135.70 to 136.70): E

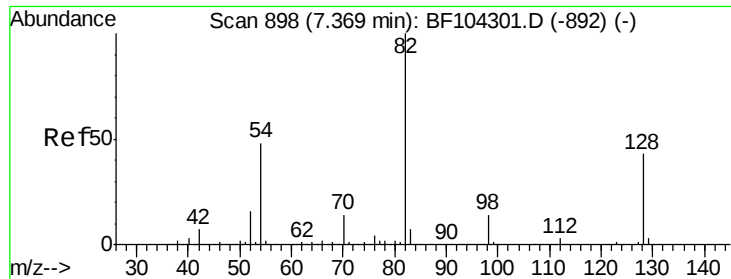
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



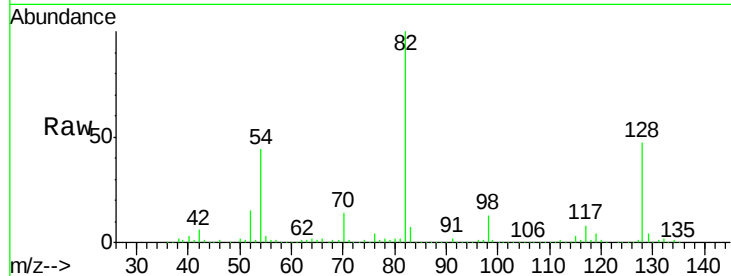
Time-->



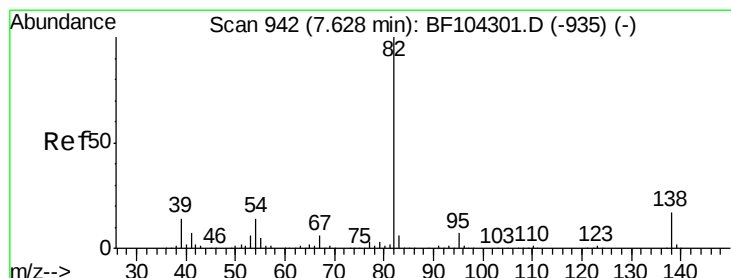
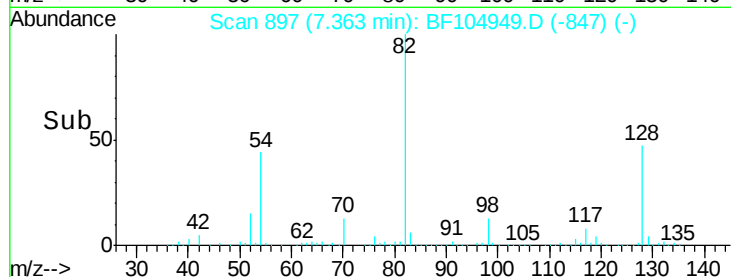
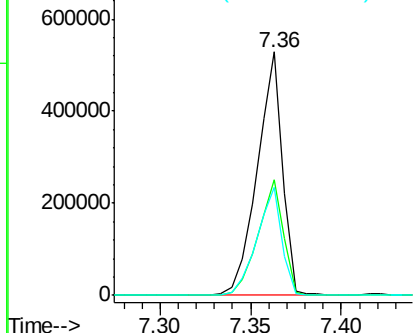
#23
 Nitrobenzene-d5
 Concen: 72.25 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	508039
Ion Ratio	100	Lower	Upper
128	47.4	36.1	54.1
54	44.2	41.4	62.2

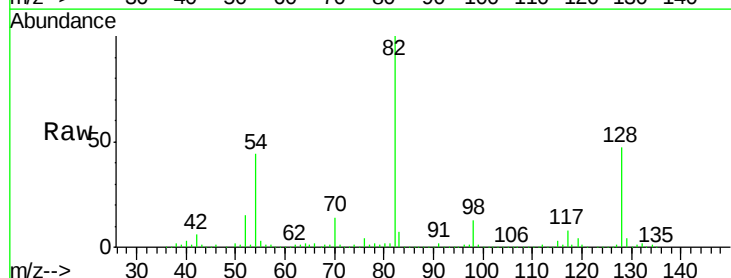


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

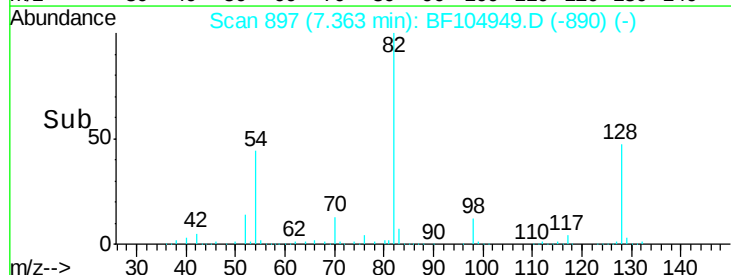
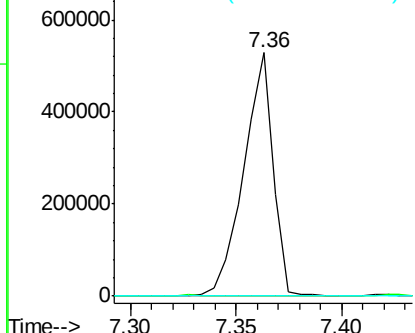


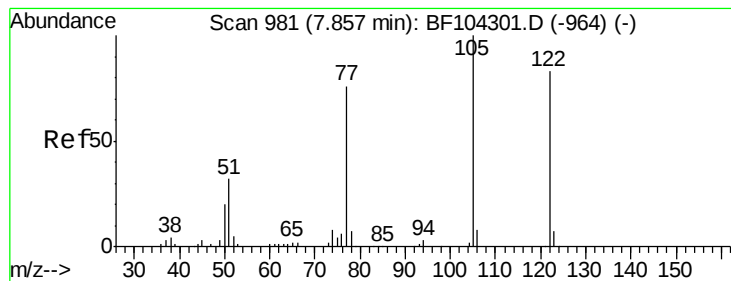
#25
 Isophorone
 Concen: 34.07 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

Tgt Ion	82	Resp	506630
Ion Ratio	100	Lower	Upper
95	0.3	5.2	7.8#
138	0.0	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





#32

Benzoic acid

Concen: 4.08 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampled :

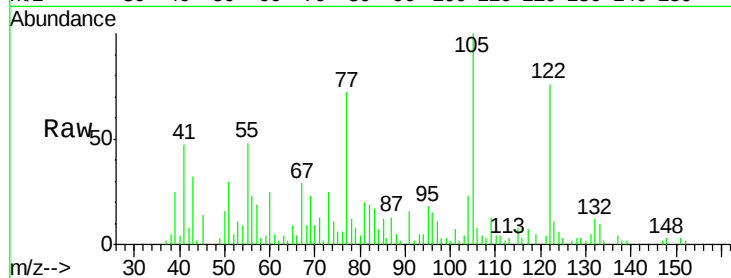
Tot Ion:122 Resp: 21341

Ion Ratio Lower Upper

122 100

105 131.3 101.1 141.1

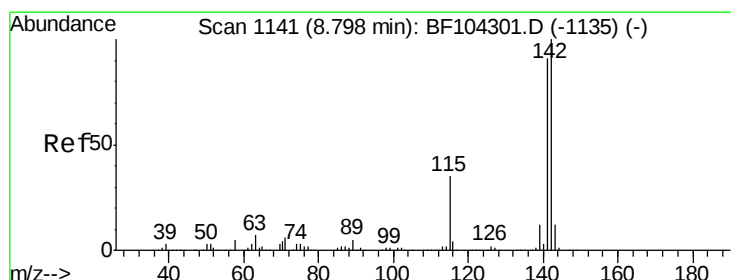
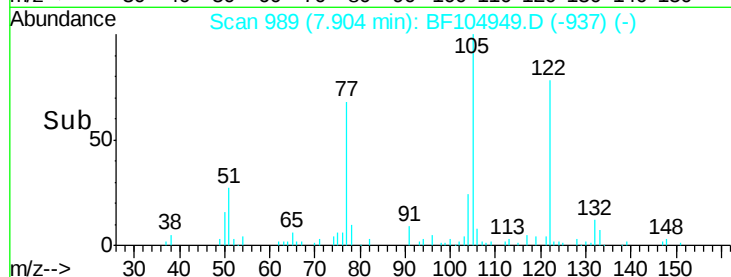
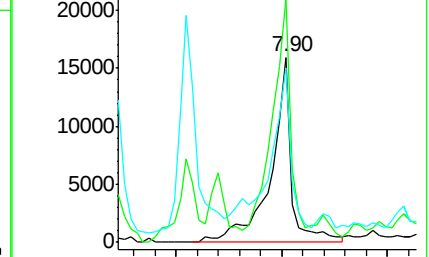
77 93.9 70.7 110.7



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



#37

2-Methylnaphthalene

Concen: 4.91 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

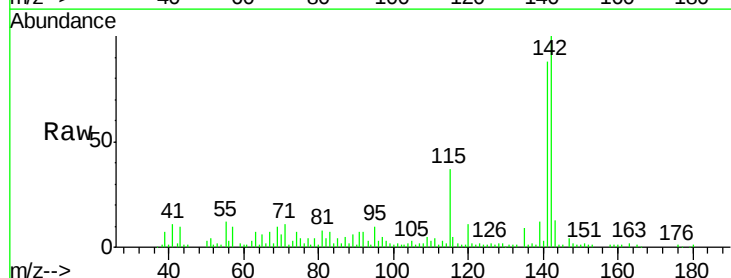
Tgt Ion:142 Resp: 72568

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2

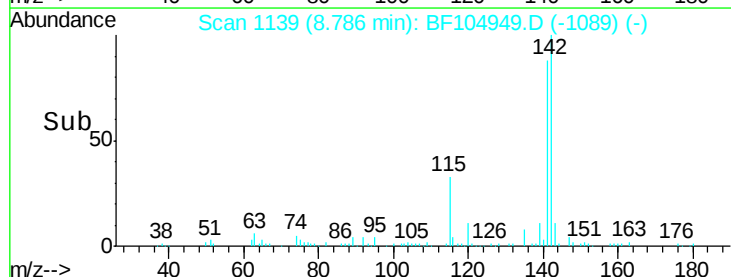
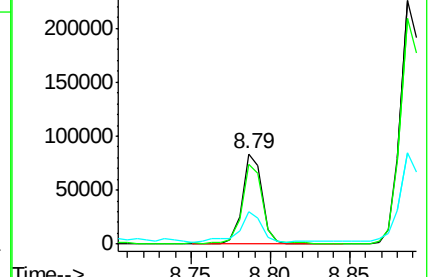
115 36.7 26.1 39.1

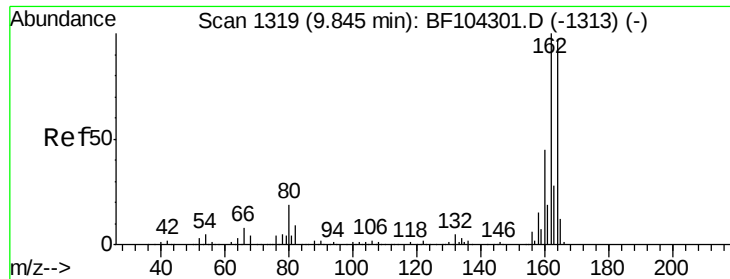


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

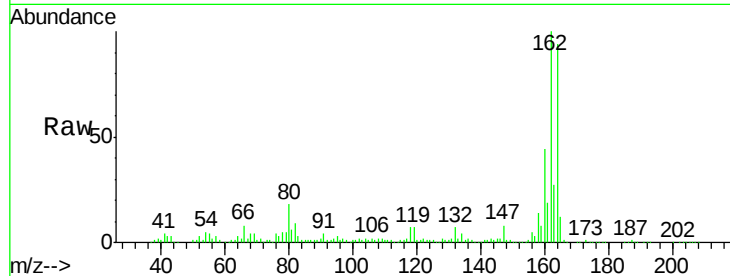




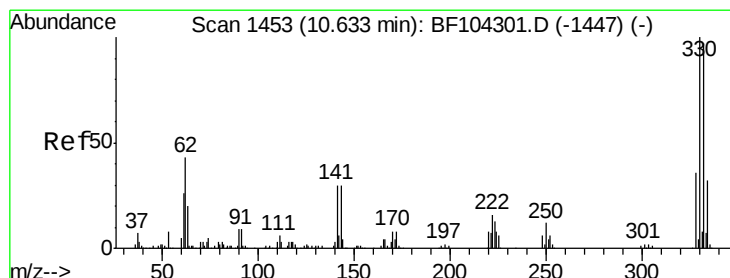
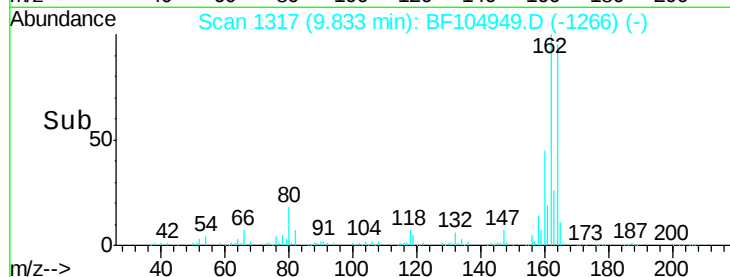
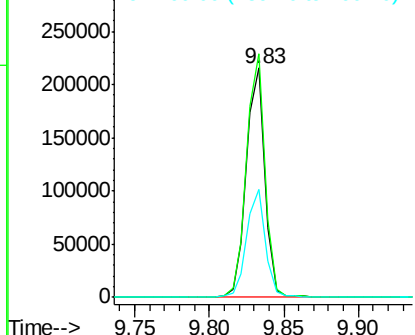
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 186931
Ion Ratio Lower Upper
164 100
162 106.2 86.1 129.1
160 47.2 38.3 57.5

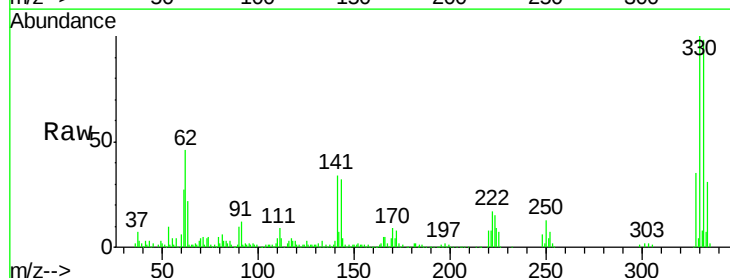


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

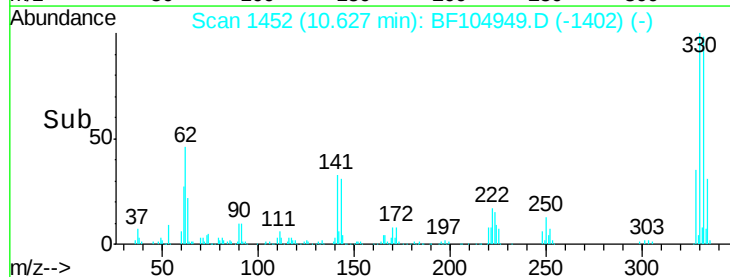
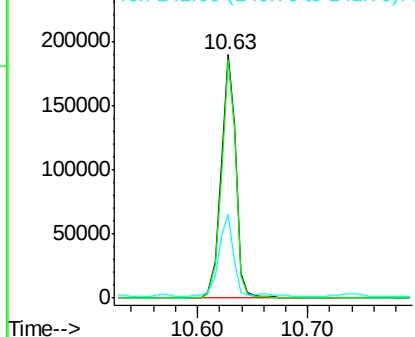


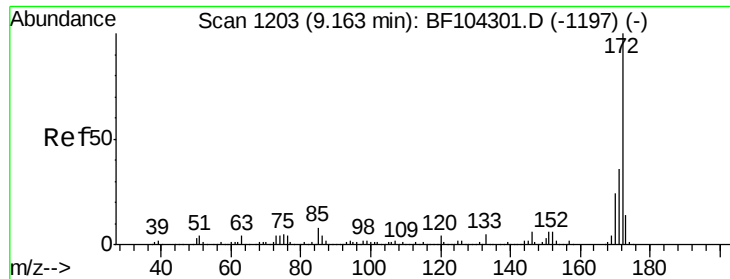
#41
2,4,6-Tribromophenol
Concen: 90.31 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

Tgt Ion:330 Resp: 175127
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 32.9 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

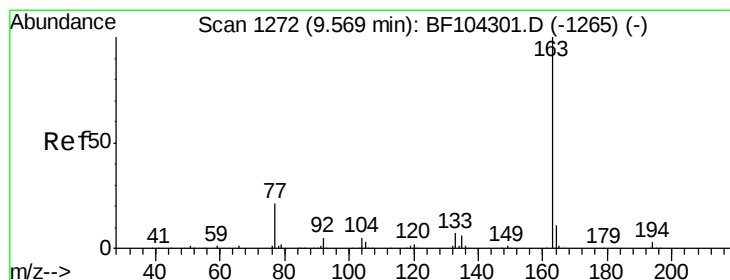
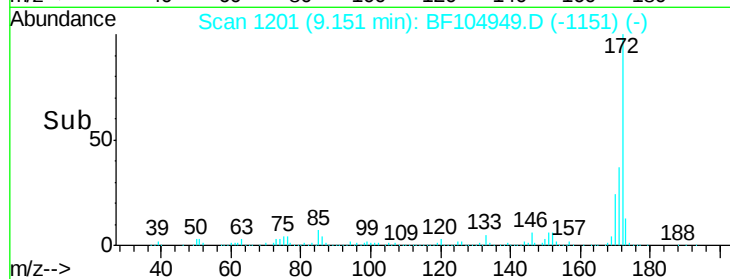
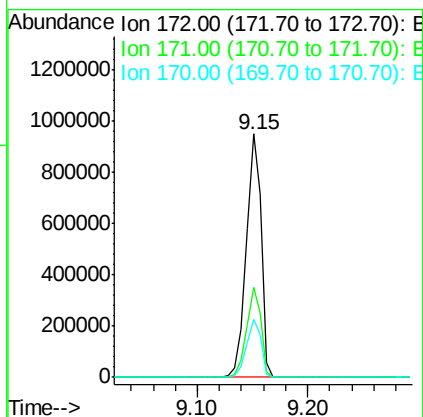
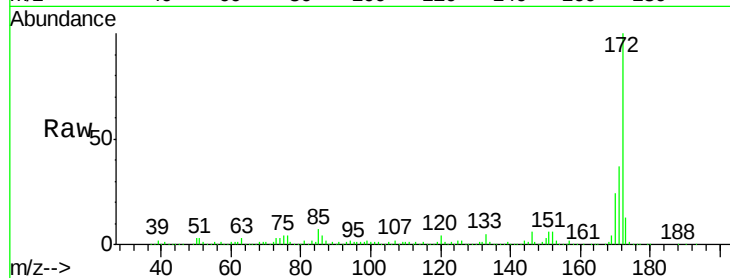




#44
2-Fluorobiphenyl
Concen: 75.79 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

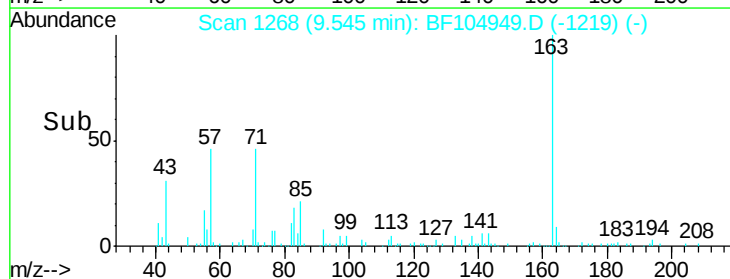
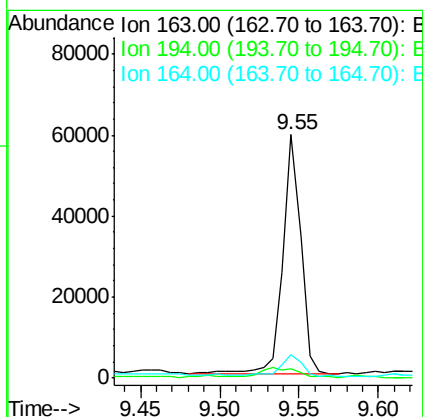
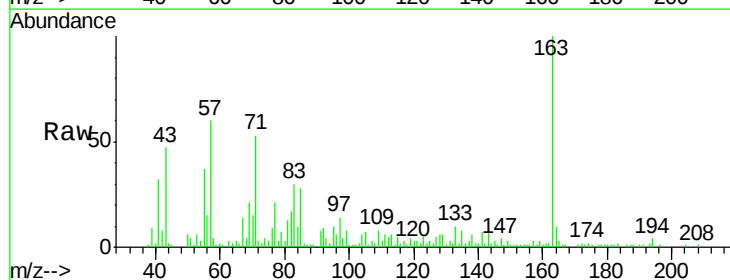
Instrument :
BNA_F
ClientSampleId :

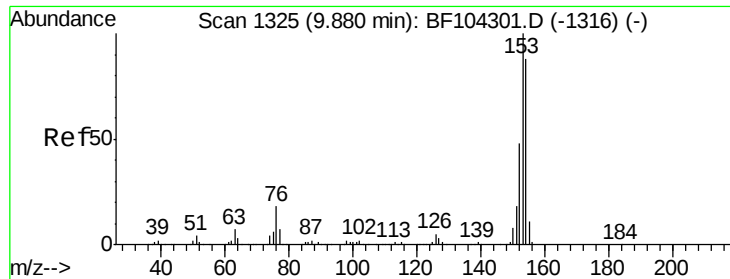
Tot Ion:172 Resp: 896847
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 23.9 19.6 29.4



#49
Dimethylphthalate
Concen: 3.17 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

Tgt Ion:163 Resp: 46794
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2





#51

Acenaphthene

Concen: 6.56 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampleId :

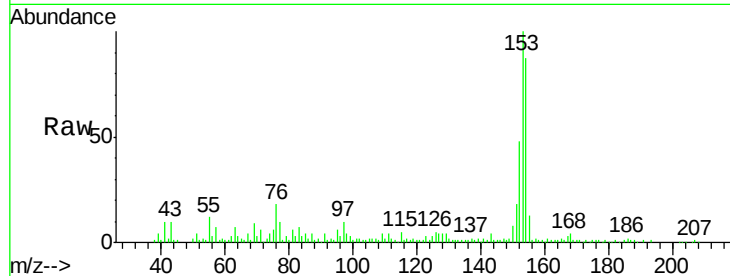
Tot Ion:154 Resp: 77949

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

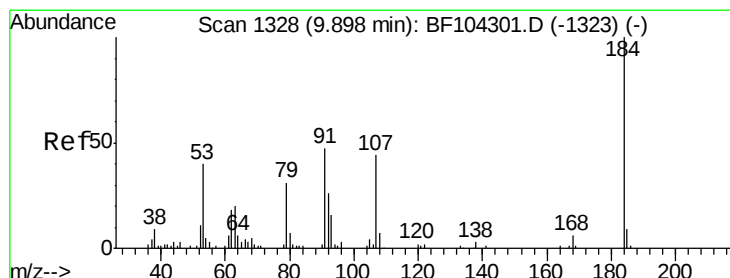
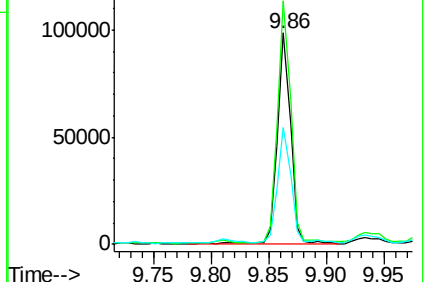
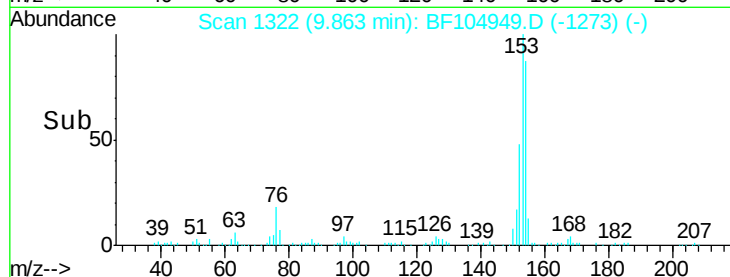
152 55.1 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 5.32 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.13 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

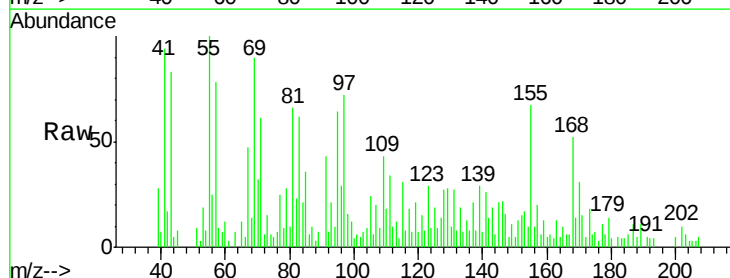
Tgt Ion:184 Resp: 142

Ion Ratio Lower Upper

184 100

63 186.6 54.2 81.2#

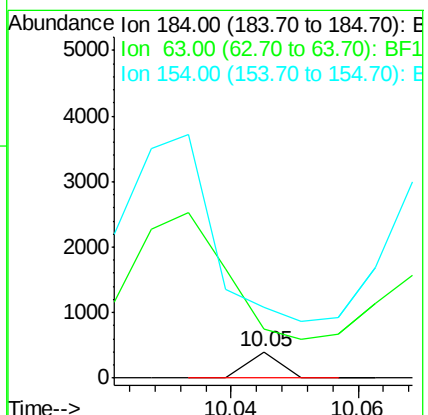
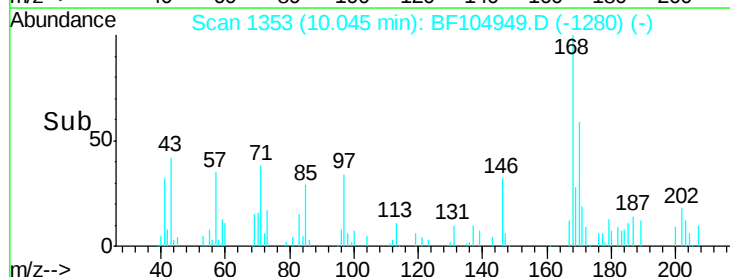
154 268.2 184.0 276.0

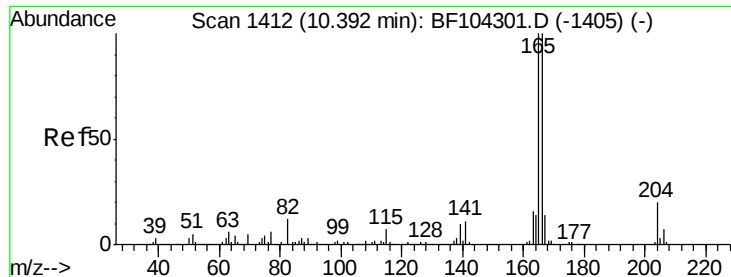


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

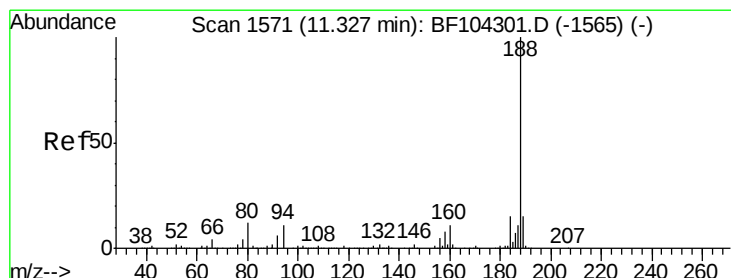
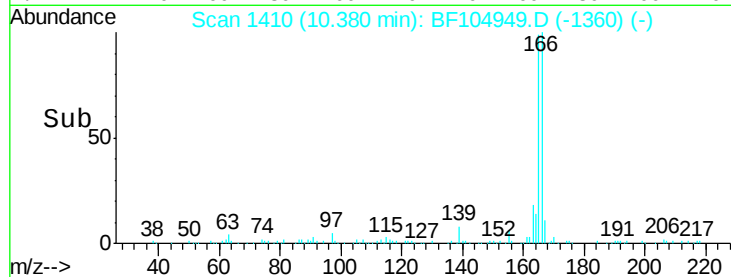
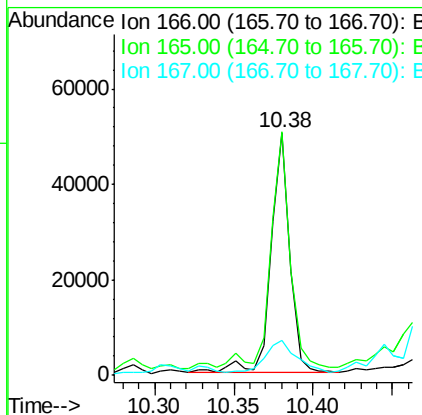
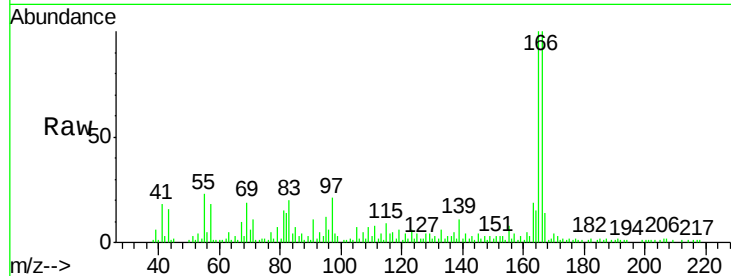




#57
Fluorene
 Concen: 3.51 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

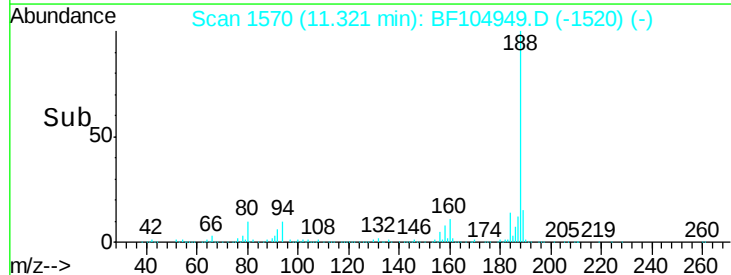
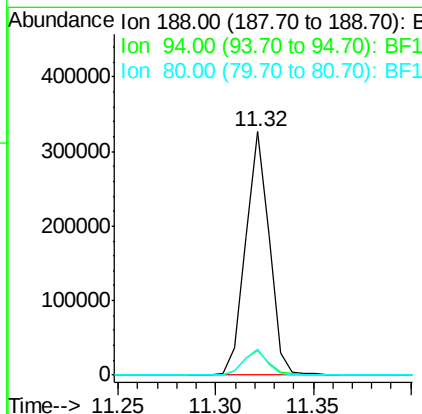
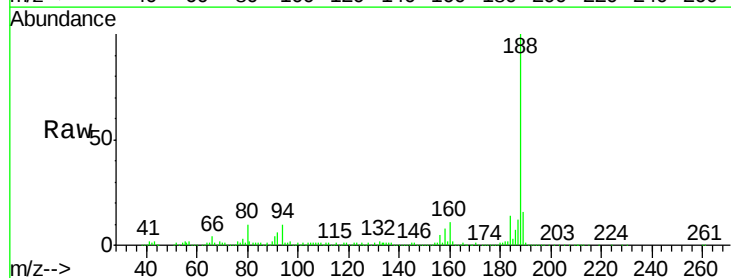
Instrument :
 BNA_F
 ClientSampleId :

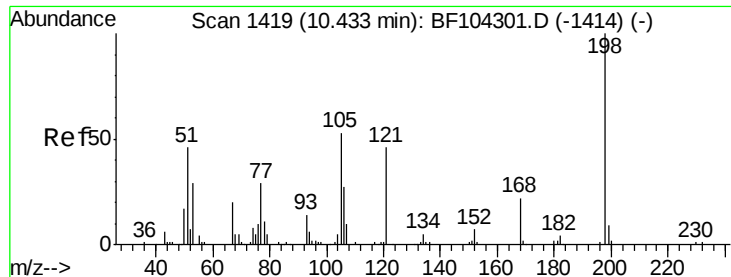
Tot Ion:166 Resp: 42242
 Ion Ratio Lower Upper
 166 100
 165 100.4 79.8 119.8
 167 14.5 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

Tgt Ion:188 Resp: 274978
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.42 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

Instrument :

BNA_F

ClientSampleId :

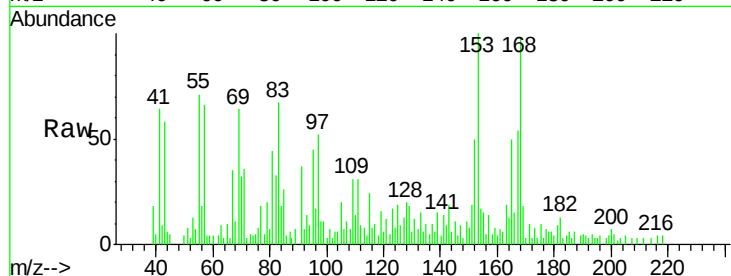
Tot Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 290.5 37.7 77.7#

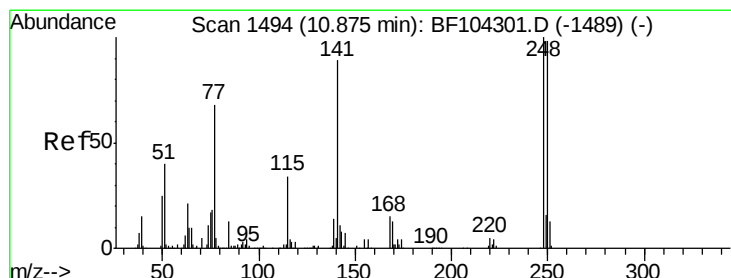
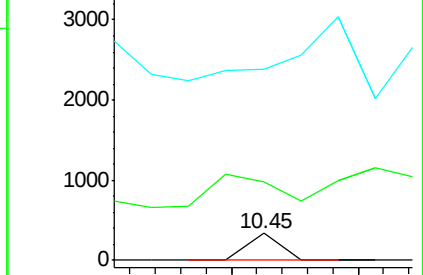
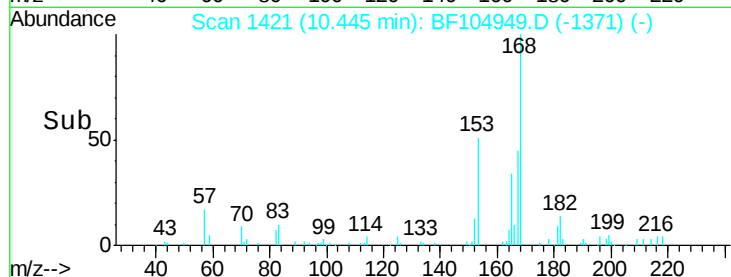
105 706.8 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.59 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF104949.D

Acq: 30 Apr 2018 22:34

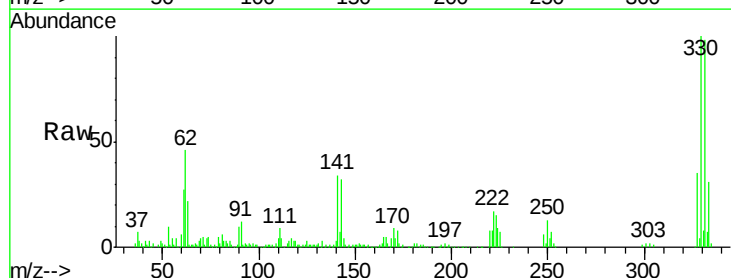
Tgt Ion:248 Resp: 10509

Ion Ratio Lower Upper

248 100

250 202.2 76.9 115.3#

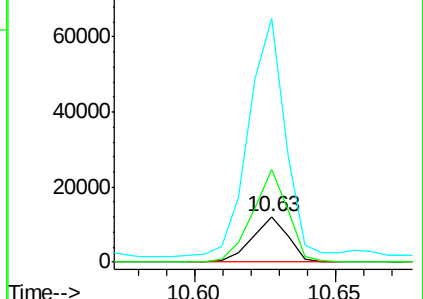
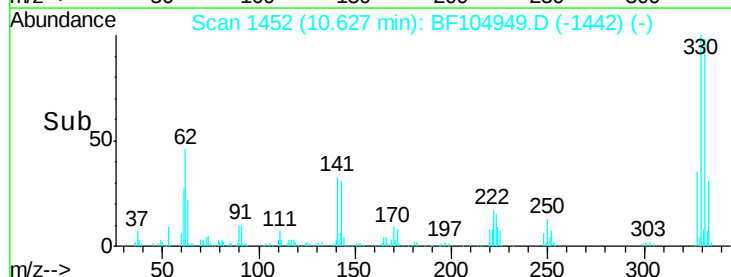
141 532.9 74.4 111.6#

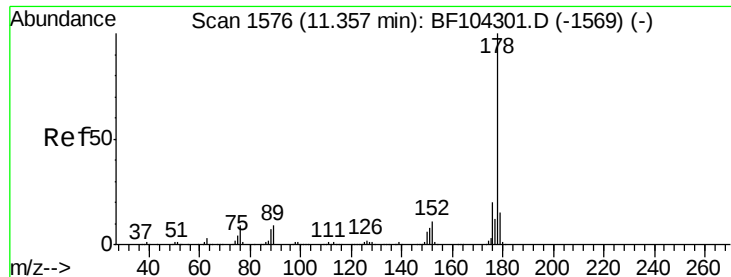


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

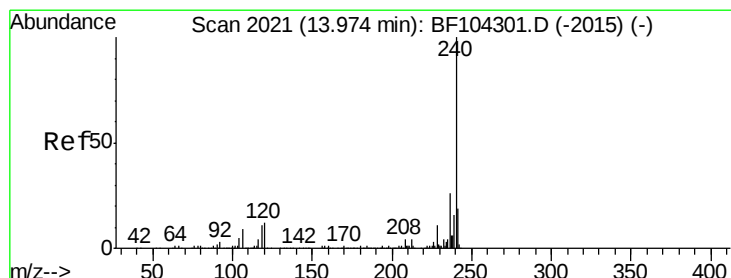
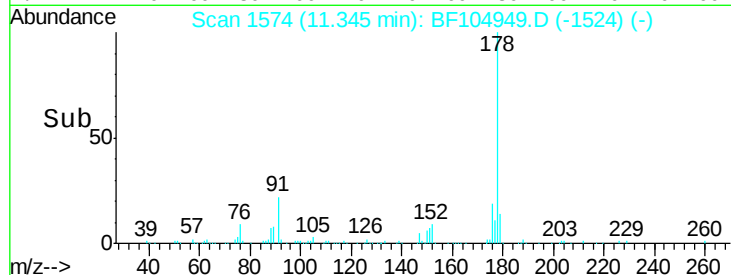
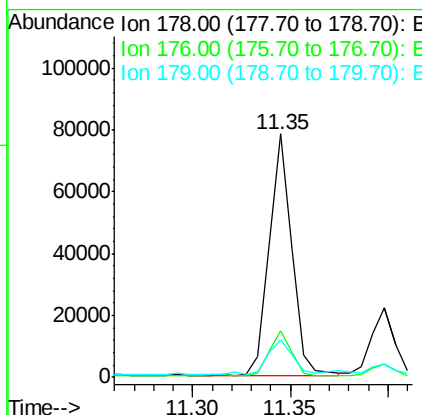
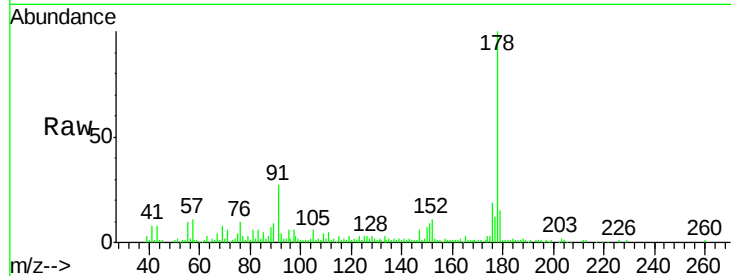




#70
Phenanthrene
Concen: 4.11 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

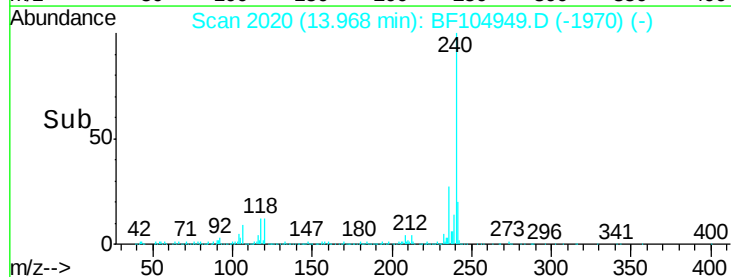
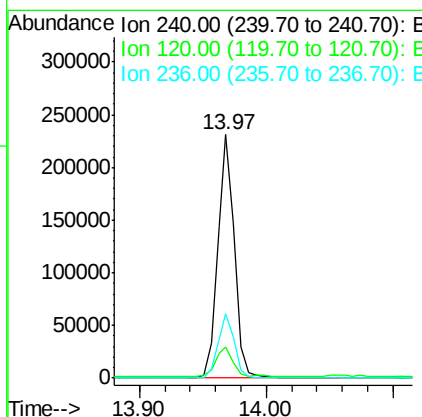
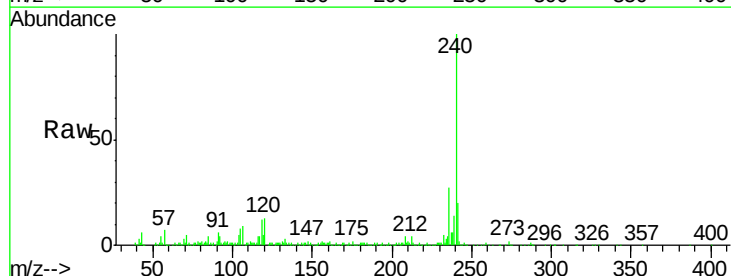
Instrument :
BNA_F
ClientSampleId :

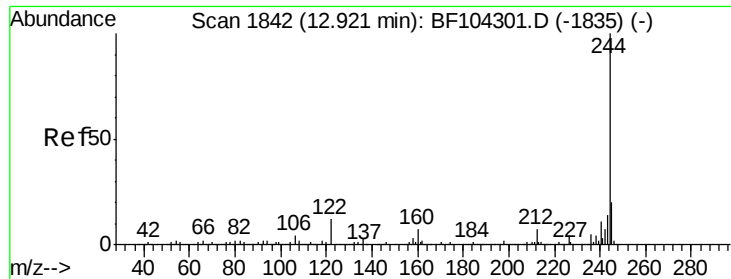
Tot Ion:178 Resp: 62920
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.3 13.0 19.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104949.D
Acq: 30 Apr 2018 22:34

Tgt Ion:240 Resp: 212977
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.6 20.7 31.1

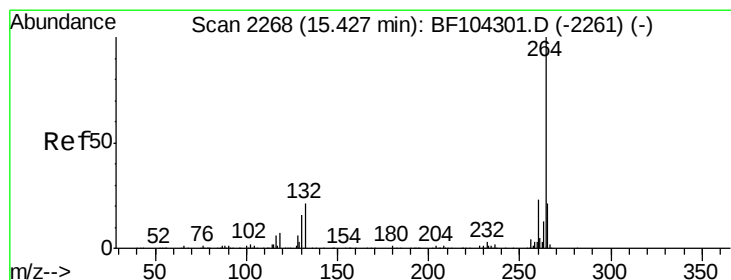
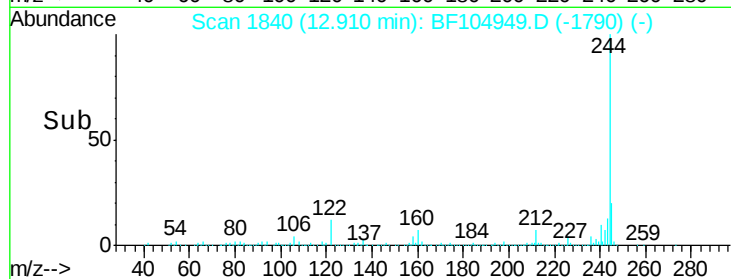
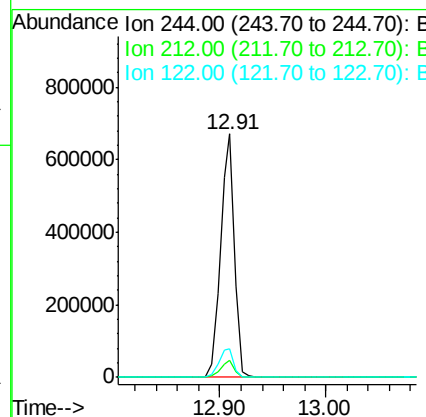
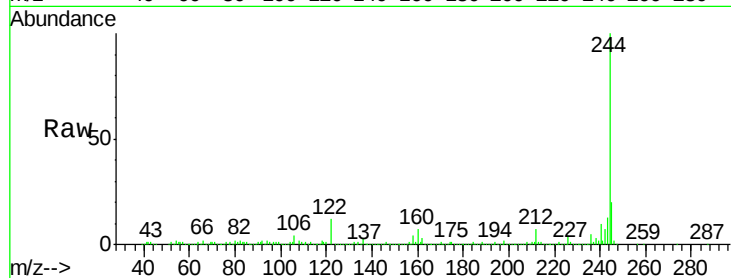




#78
 Terphenyl-d14
 Concen: 67.10 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 626799
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104949.D
 Acq: 30 Apr 2018 22:34

Tgt Ion:264 Resp: 166028
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.2 17.5 26.3

