

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099649.D
 Acq On : 19 Oct 2017 6:54
 Operator : SJ/JU
 Sample : I5929-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:24:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	90709	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	322064	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	115011	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	187289	20.00	ng	0.00
75) Chrysene-d12	13.99	240	191757	20.00	ng	0.00
86) Perylene-d12	15.46	264	147630	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	722616	126.82	ng	0.02
7) Phenol-d6	6.47	99	769062	109.41	ng	0.00
23) Nitrobenzene-d5	7.40	82	493775	98.32	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	132743	141.05	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	832571	120.85	ng	0.00
78) Terphenyl-d14	12.93	244	664733	78.84	ng	0.00

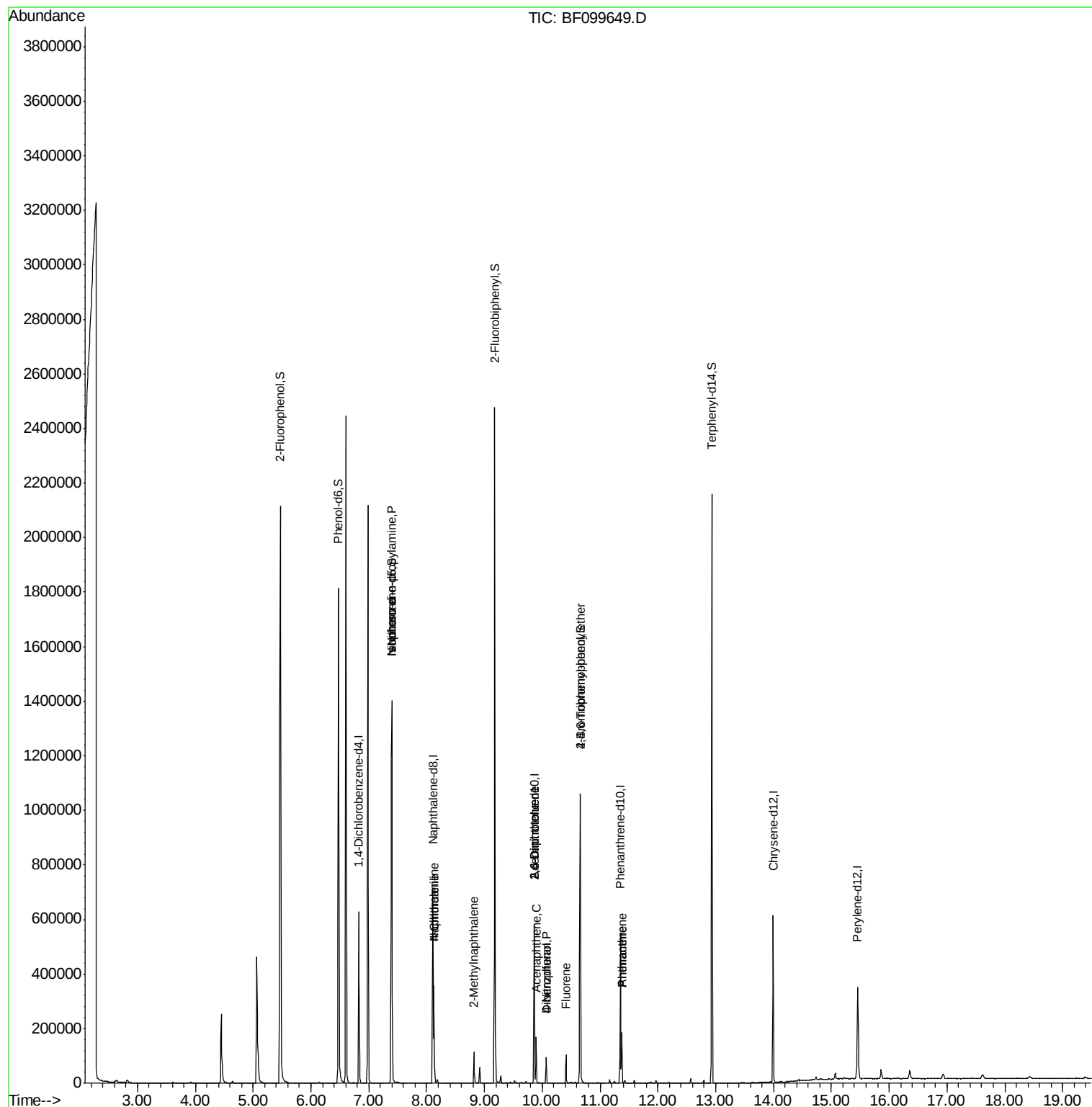
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	61567	13.718	ng	# 73
25) Isophorone	7.40	82	493767	47.555	ng	# 64
31) Naphthalene	8.13	128	157084	10.385	ng	# 99
33) 4-Chloroaniline	8.13	127	20565	3.256	ng	# 33
37) 2-Methylnaphthalene	8.82	142	31880	3.242	ng	# 97
50) 2,6-Dinitrotoluene	9.86	165	15300	8.096	ng	# 24
51) Acenaphthene	9.89	154	34937	4.855	ng	# 96
54) Dibenzofuran	10.07	168	39791	4.153	ng	# 95
55) 4-Nitrophenol	10.07	139	13318	7.148	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	15300	6.238	ng	# 21
57) Fluorene	10.41	166	28935	3.757	ng	# 99
66) 4-Bromophenyl-phenylether	10.66	248	8918	4.865	ng	# 1
70) Phenanthrene	11.37	178	69849	6.967	ng	# 97
71) Anthracene	11.37	178	69849	6.810	ng	# 98

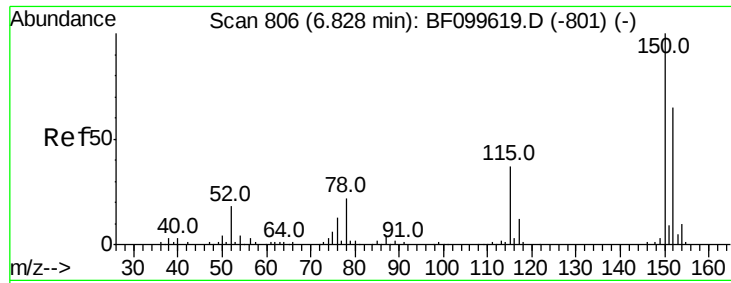
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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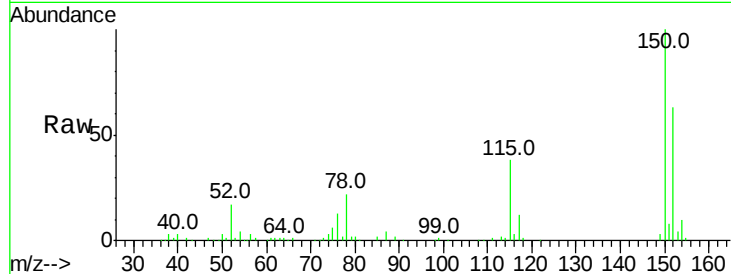


#1

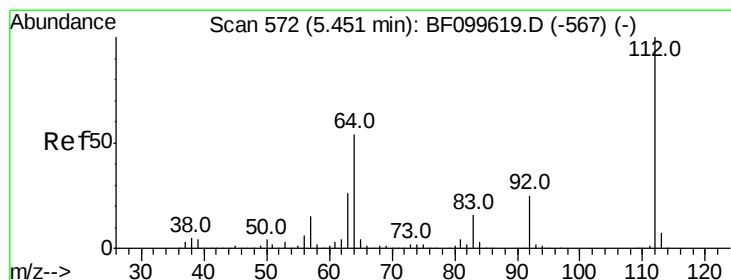
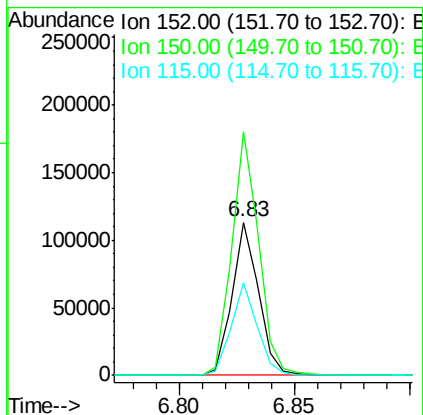
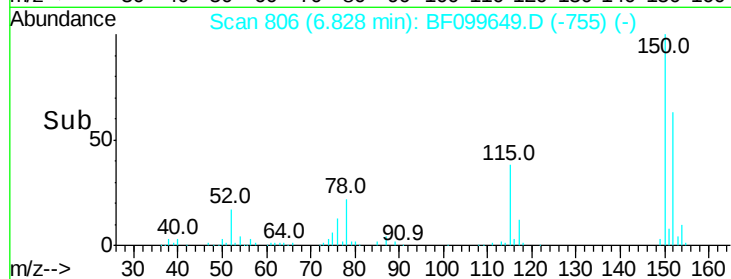
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 90709
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 60.5 50.1 75.1



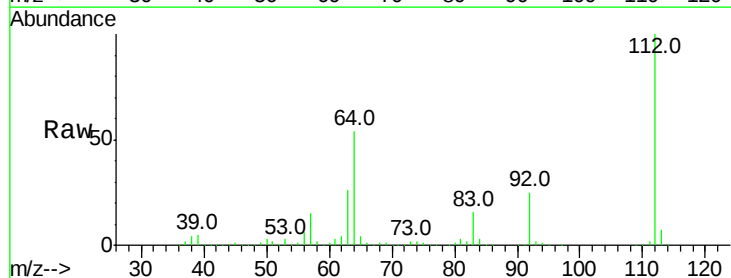
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



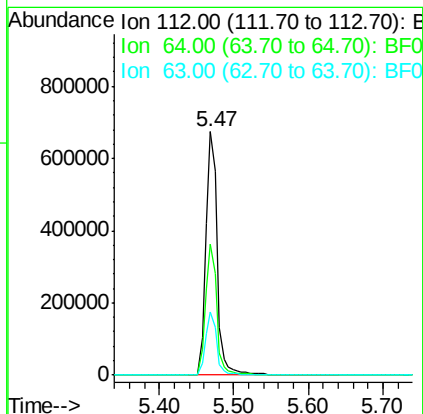
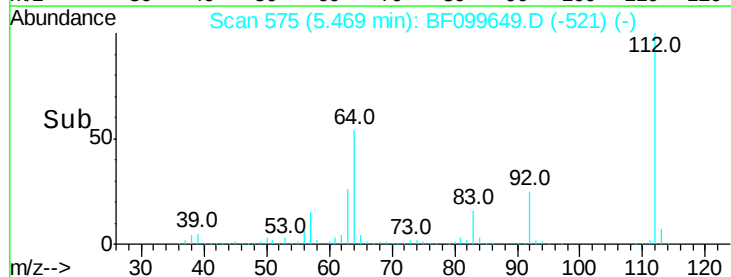
#5

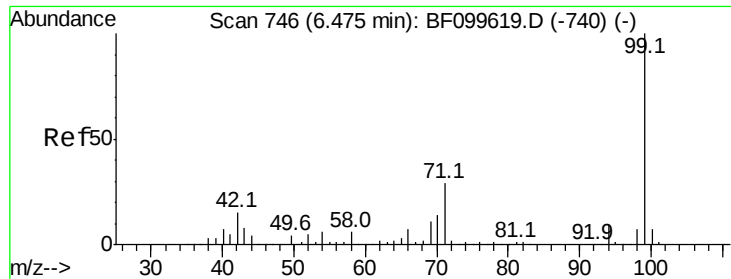
2-Fluorophenol
Concen: 126.816 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.02 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

Tgt Ion:112 Resp: 722616
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 26.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.408 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampled :

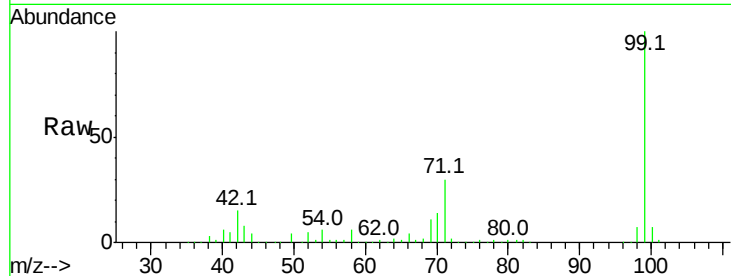
Tot Ion: 99 Resp: 769062

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 30.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

800000

600000

400000

200000

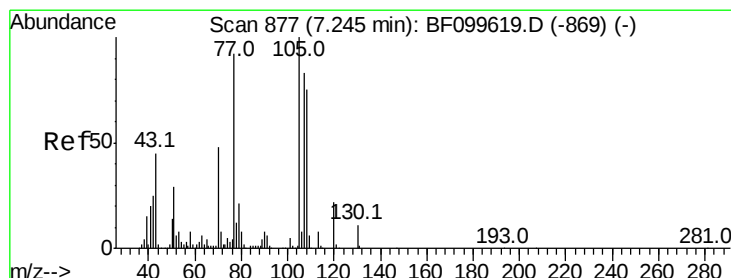
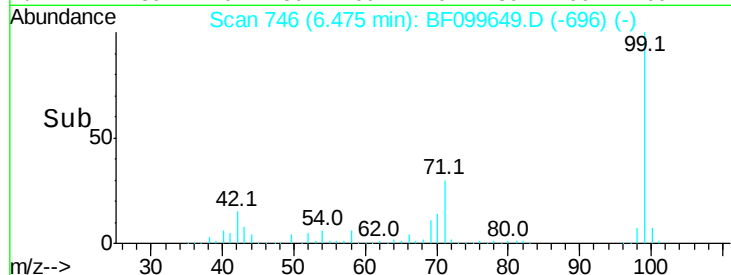
0

6.40

6.50

6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.718 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Tgt Ion: 70 Resp: 61567

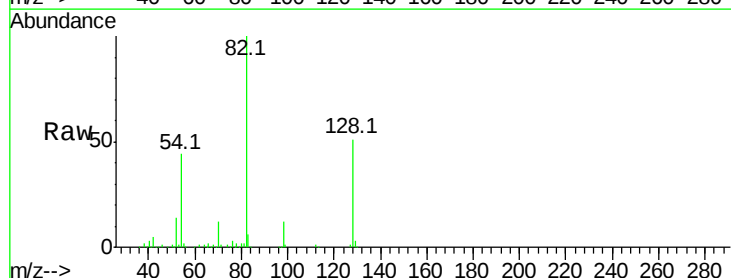
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

80000

60000

40000

20000

0

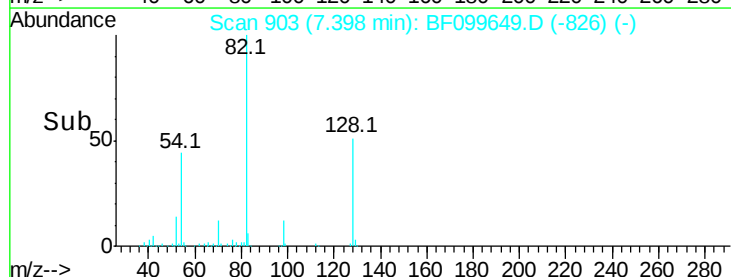
7.35

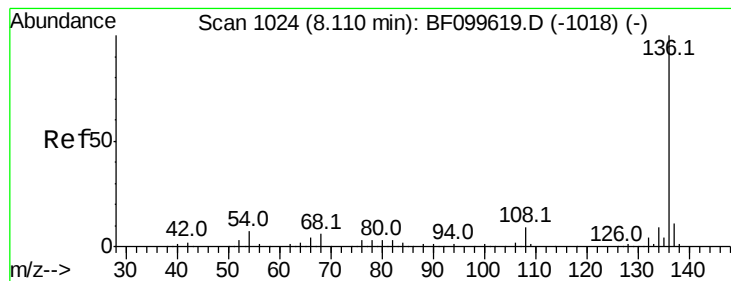
7.40

7.45

7.50

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 322064

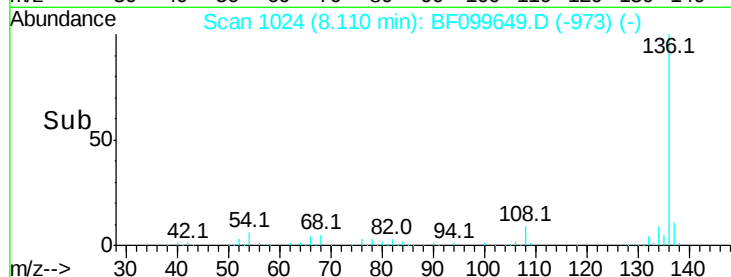
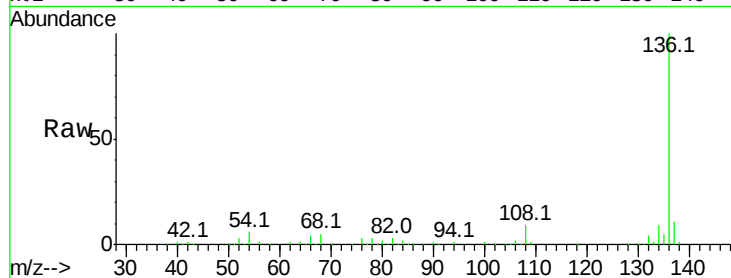
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.3 6.6 9.8#

68 5.4 5.0 7.4

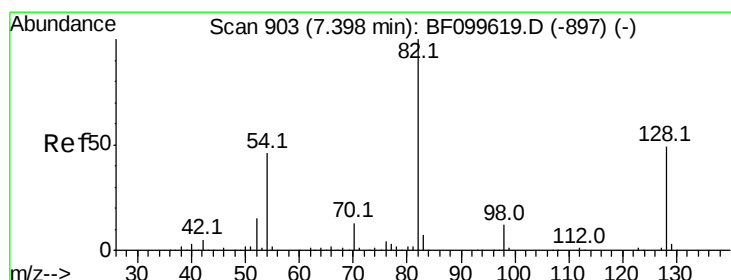
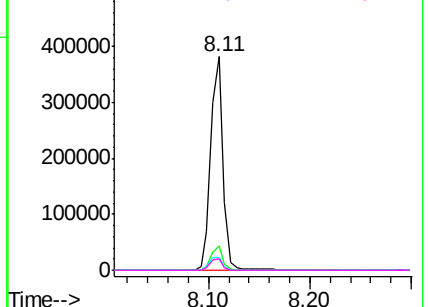


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 98.322 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

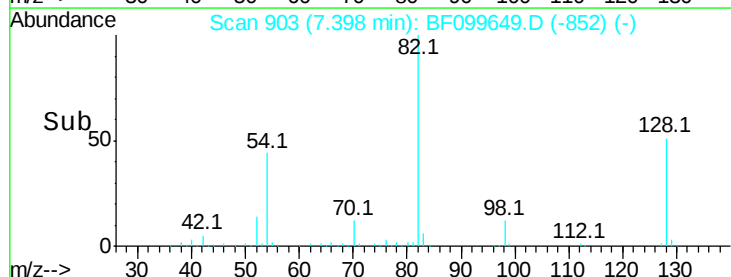
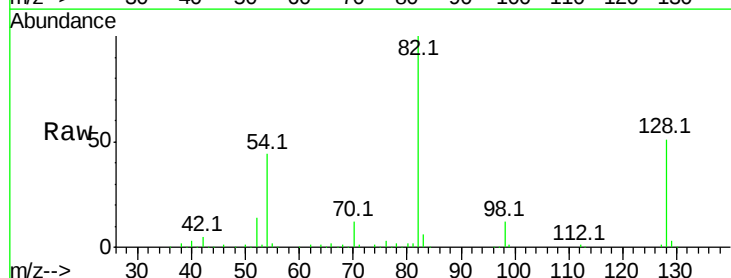
Tgt Ion: 82 Resp: 493775

Ion Ratio Lower Upper

82 100

128 50.8 36.1 54.1

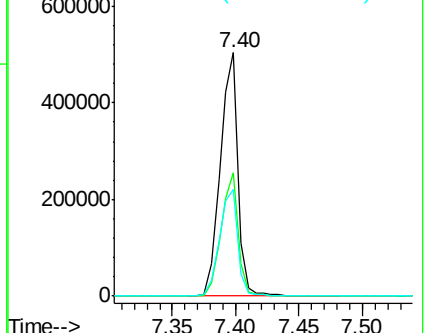
54 43.7 41.4 62.2

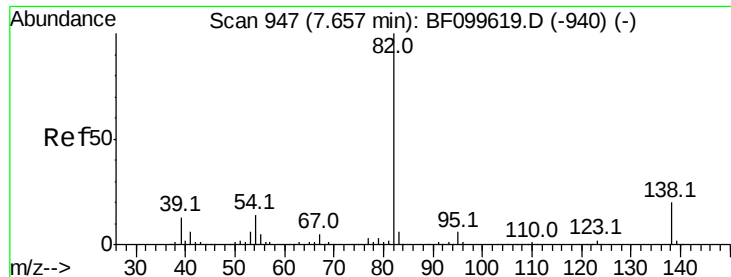


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.555 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

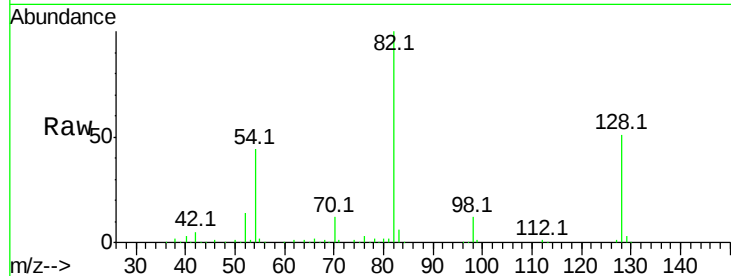
Tot Ion: 82 Resp: 493767

Ion Ratio Lower Upper

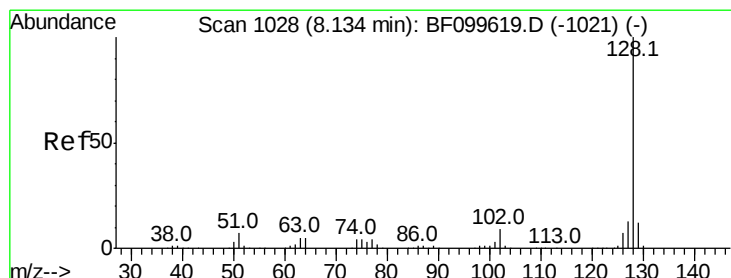
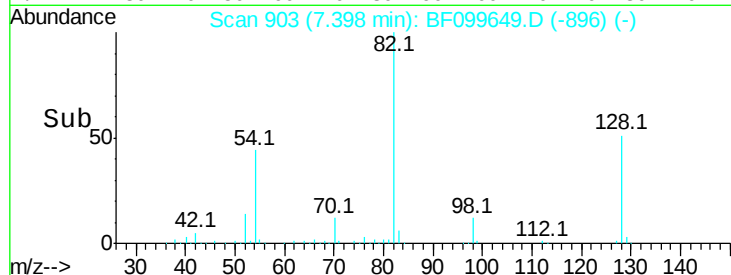
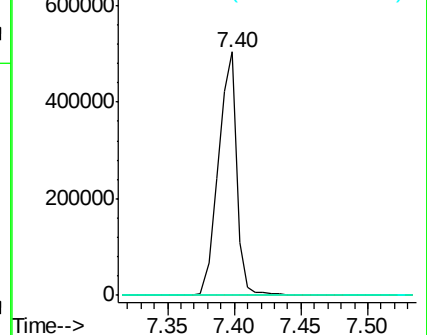
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 10.385 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

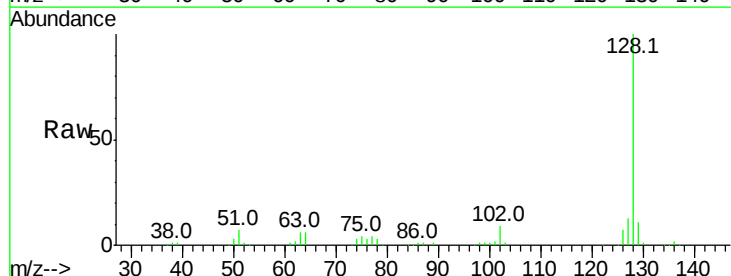
Tgt Ion: 128 Resp: 157084

Ion Ratio Lower Upper

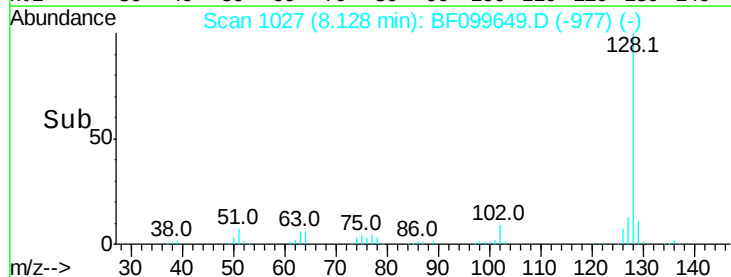
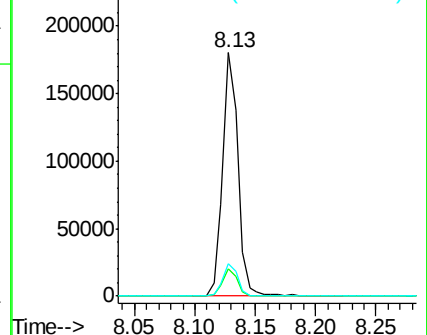
128 100

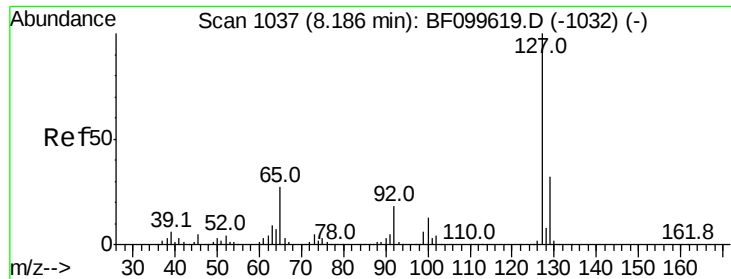
129 11.2 8.8 13.2

127 13.3 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

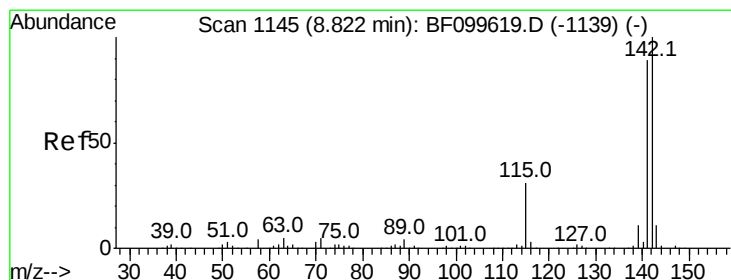
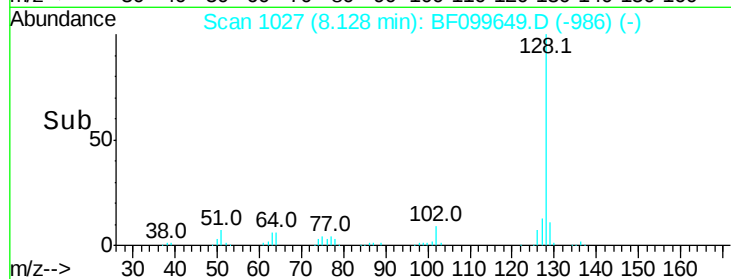
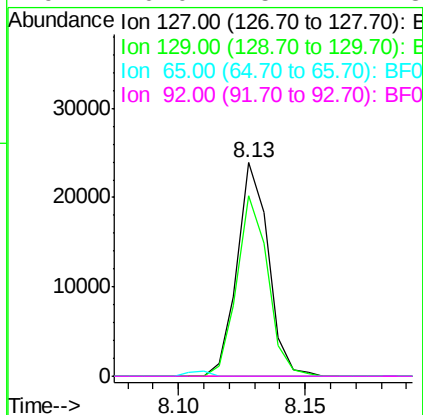
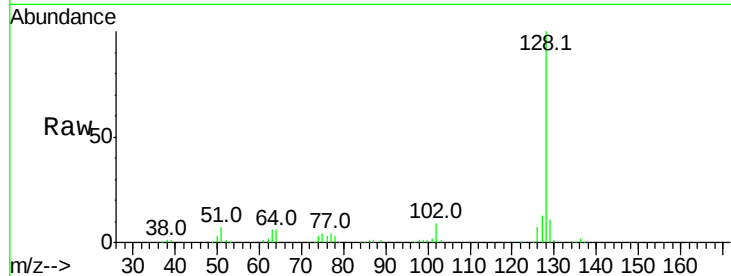




#33
 4-Chloroaniline
 Concen: 3.256 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. -0.06 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

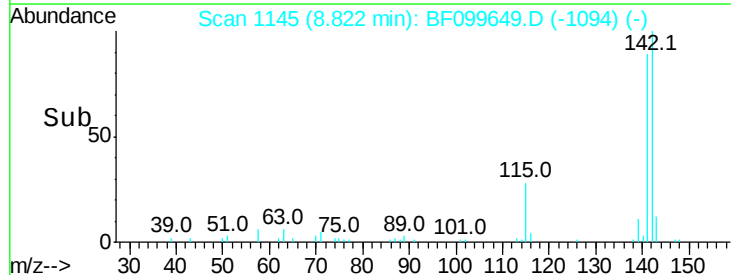
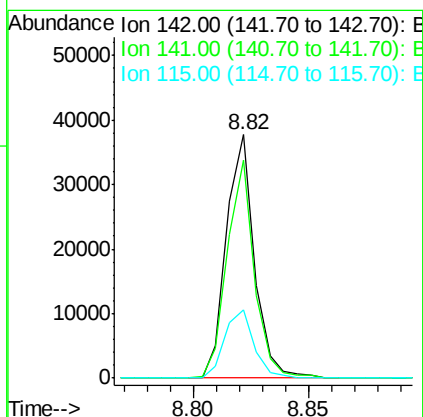
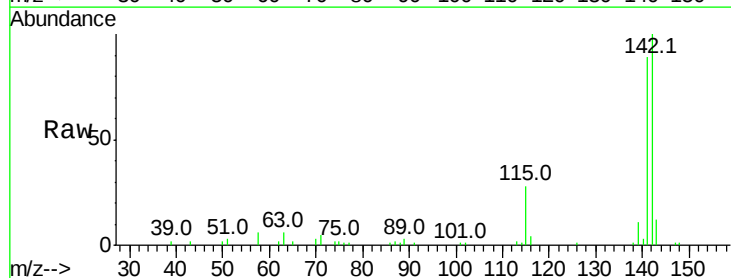
Instrument :
 BNA_F
 ClientSampleId :

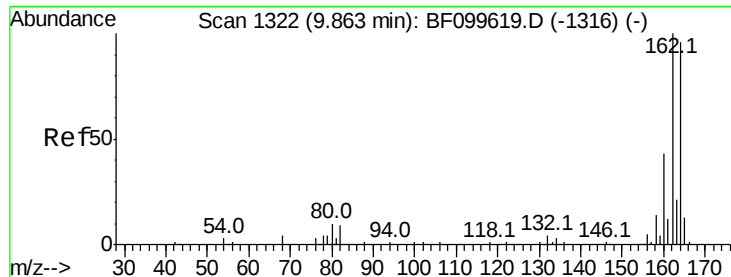
Tot Ion	Ratio	Lower	Upper
127	100		
129	84.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 3.242 ng
 RT: 8.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	28.2	26.1	39.1

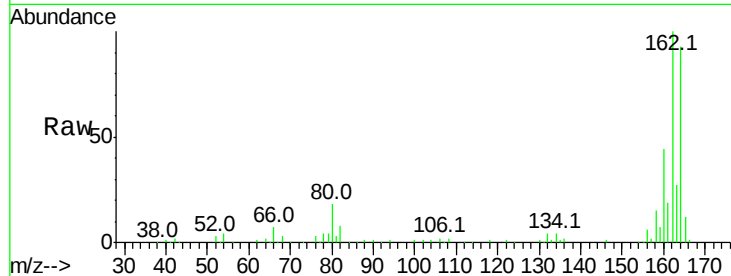




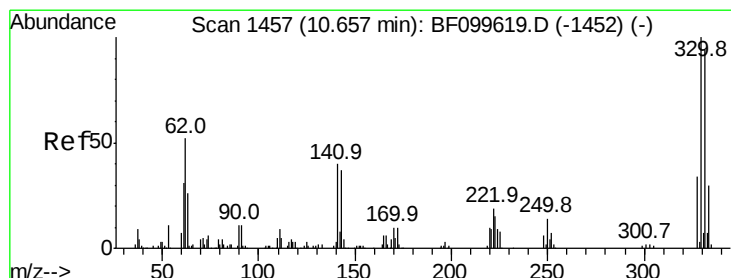
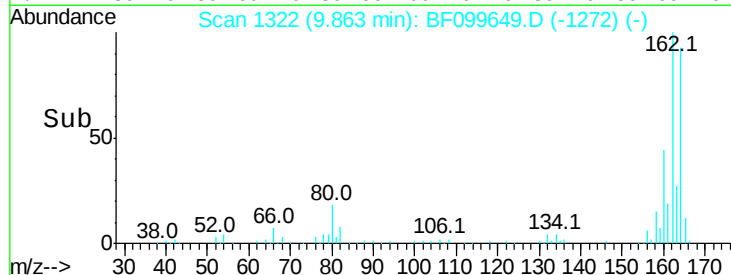
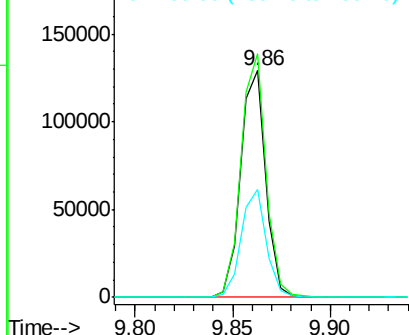
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 115011
 Ion Ratio Lower Upper
 164 100
 162 107.4 86.1 129.1
 160 47.7 38.3 57.5

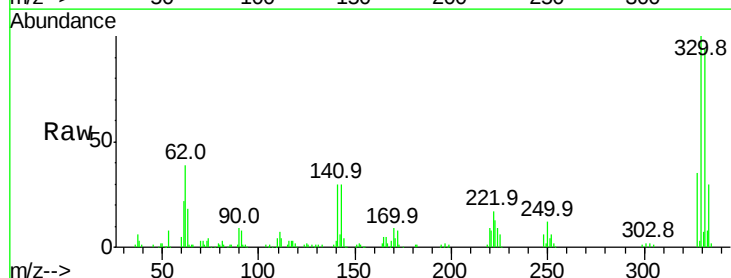


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

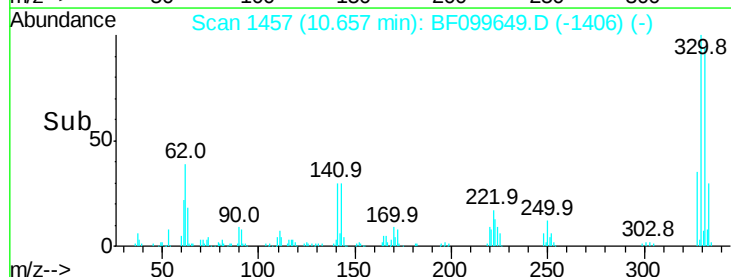
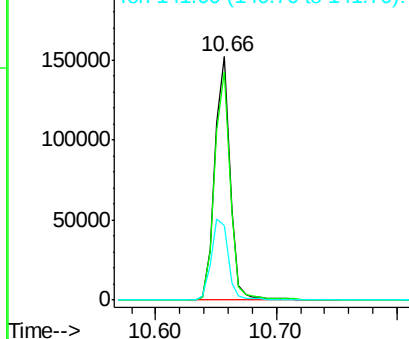


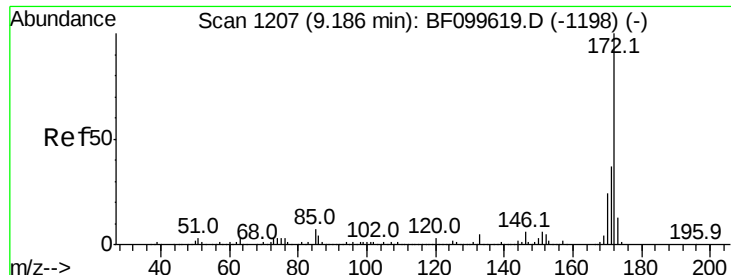
#41
 2,4,6-Tribromophenol
 Concen: 141.051 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion:330 Resp: 132743
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 36.9 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

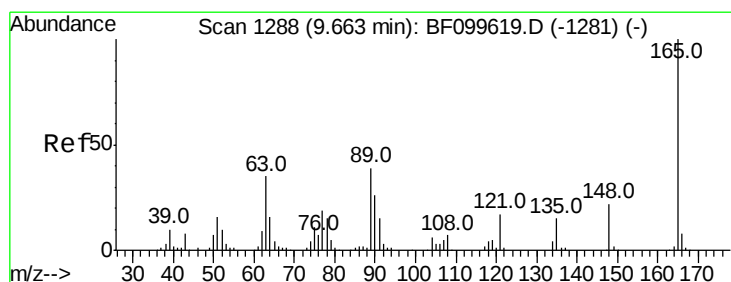
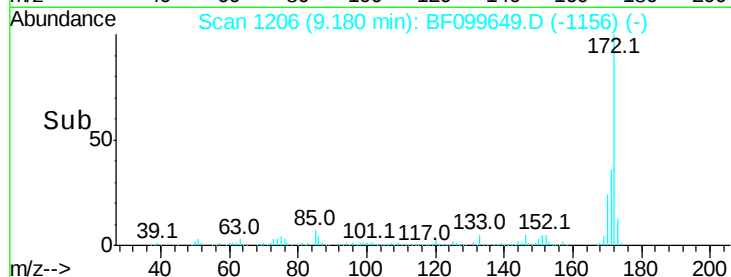
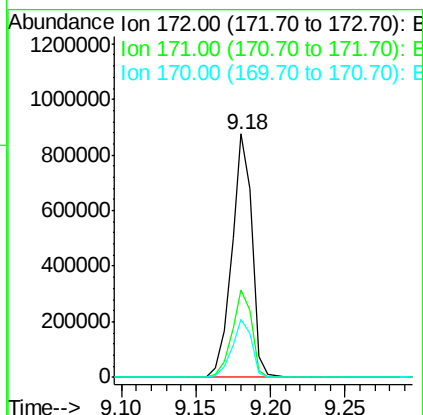
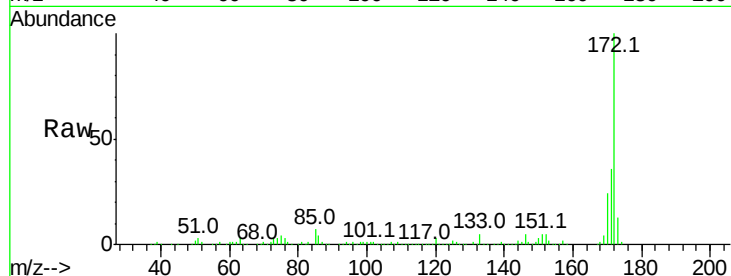




#44
2-Fluorobiphenyl
Concen: 120.850 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

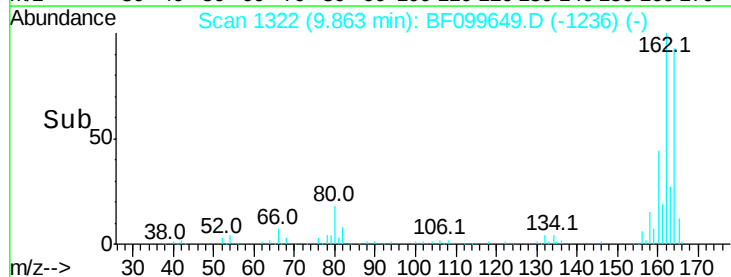
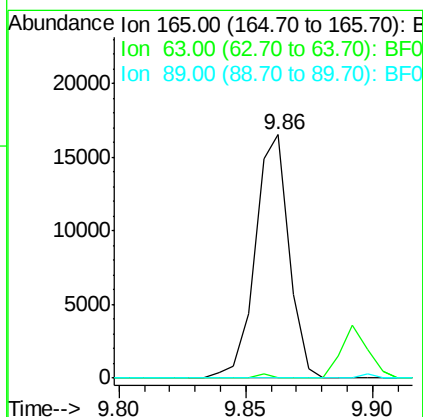
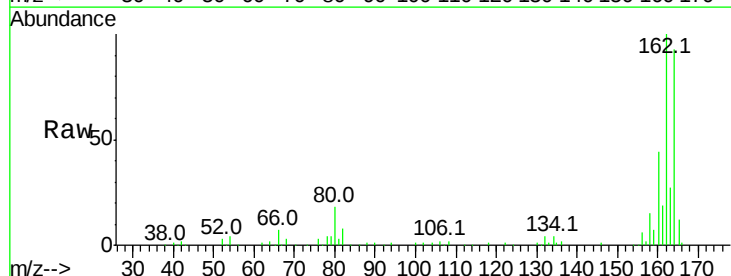
Instrument :
BNA_F
ClientSampled :

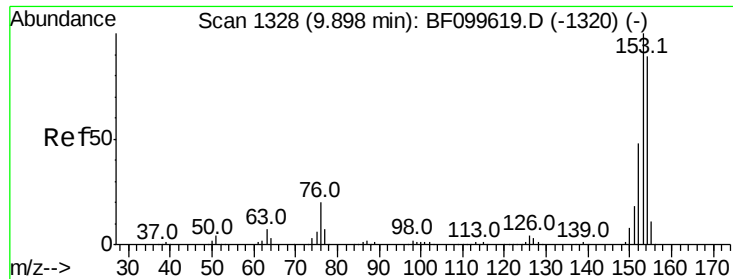
Tot Ion:172 Resp: 832571
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.9 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 8.096 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

Tgt Ion:165 Resp: 15300
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 4.855 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

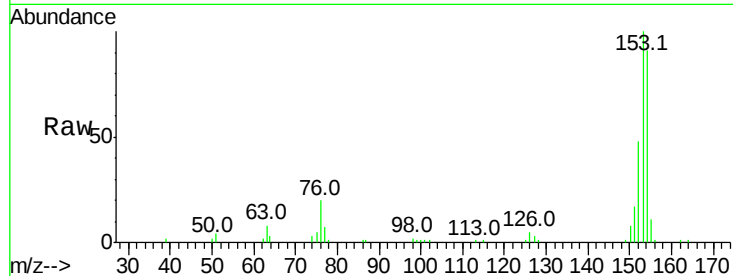
Tot Ion:154 Resp: 34937

Ion Ratio Lower Upper

154 100

153 109.3 91.2 136.8

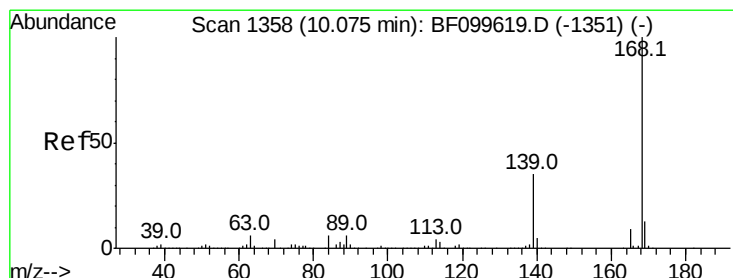
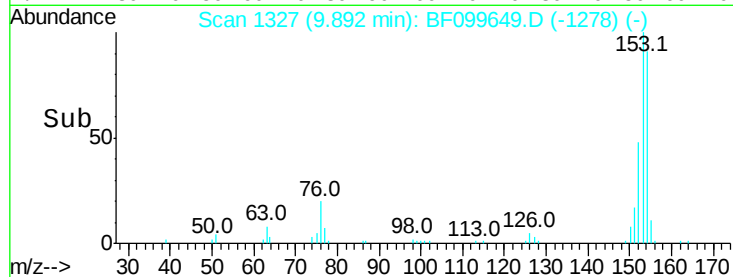
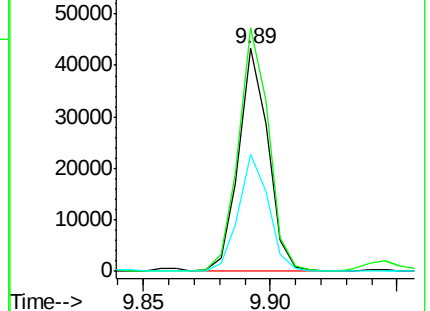
152 52.7 43.8 65.8



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



#54

Dibenzofuran

Concen: 4.153 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

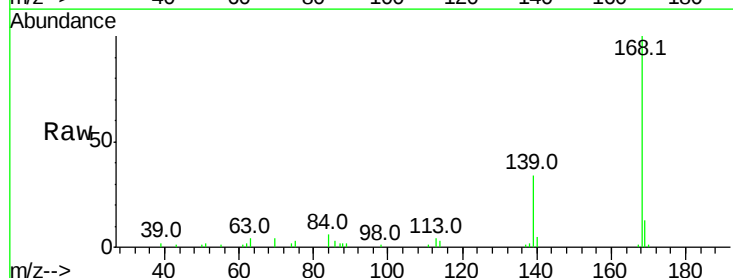
Tgt Ion:168 Resp: 39791

Ion Ratio Lower Upper

168 100

139 33.7 30.1 45.1

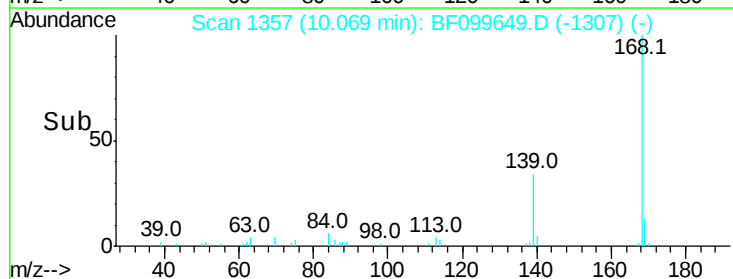
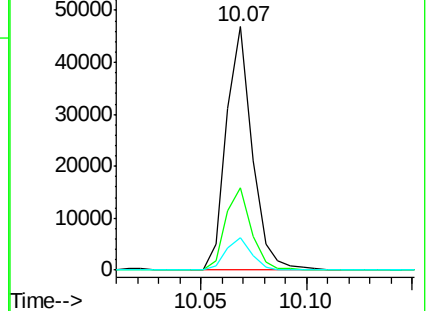
169 13.5 10.9 16.3

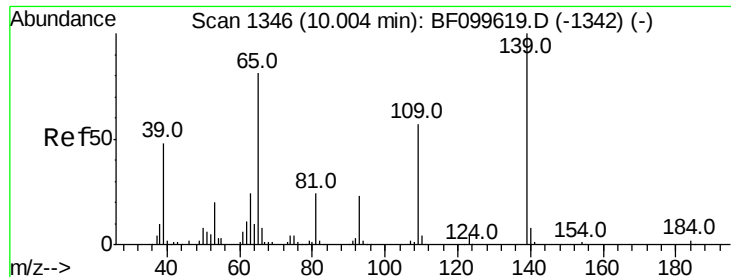


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 7.148 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.07 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

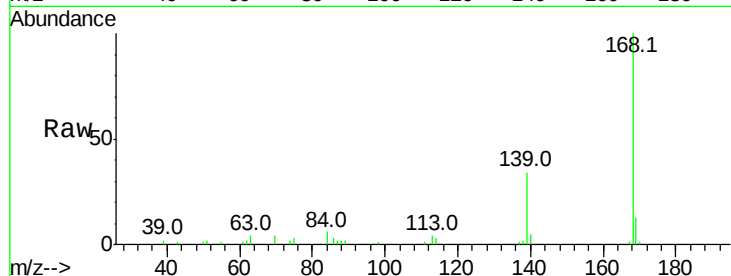
Tot Ion:139 Resp: 13318

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

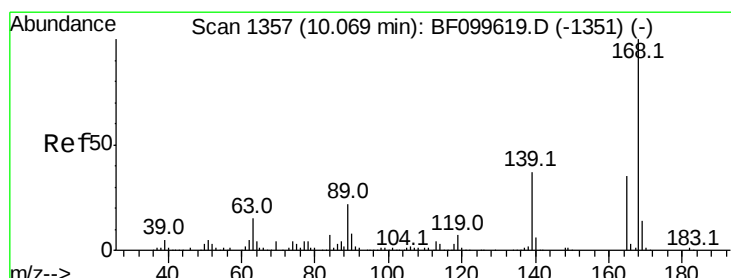
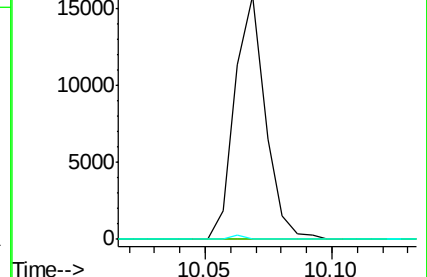
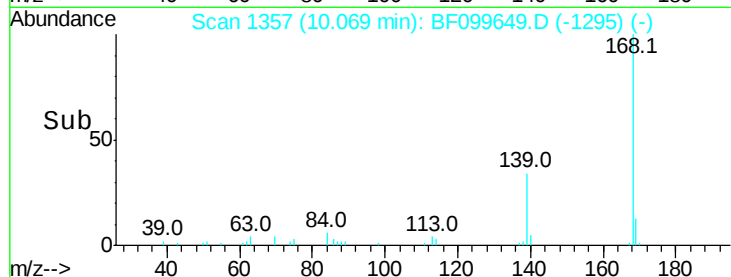
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.238 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.21 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Tgt Ion:165 Resp: 15300

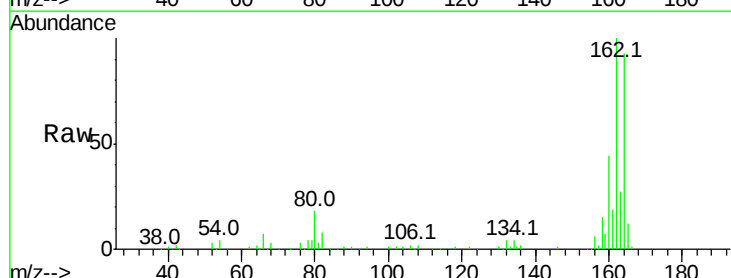
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

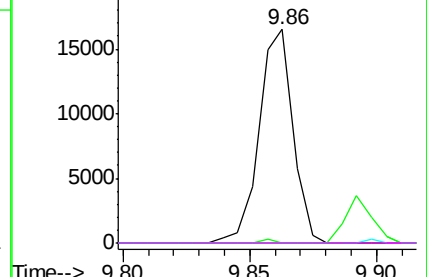
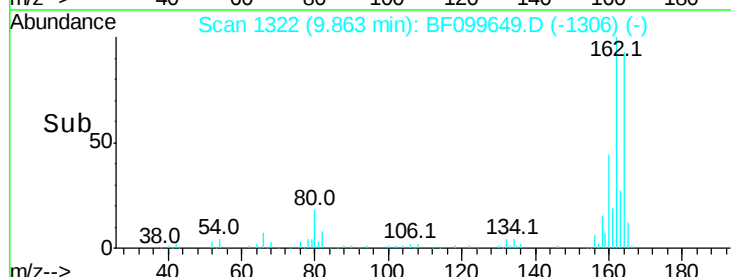


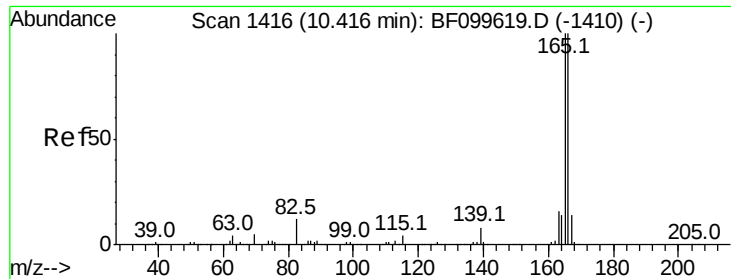
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



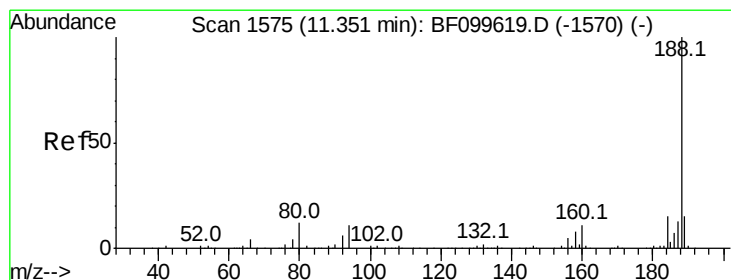
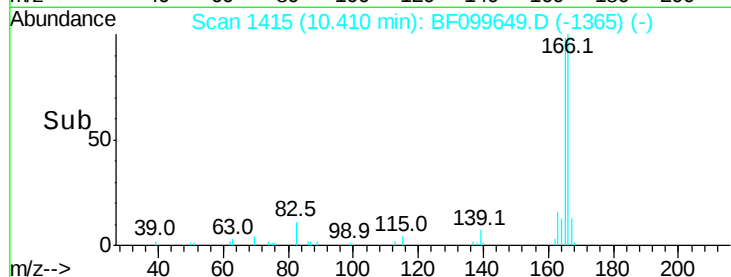
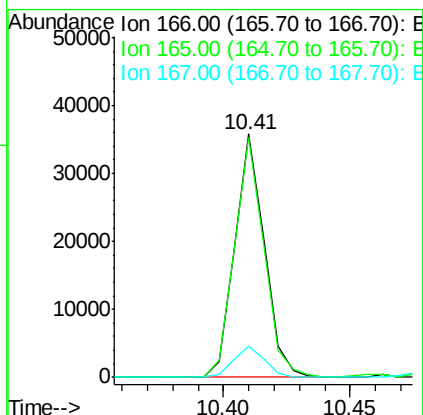
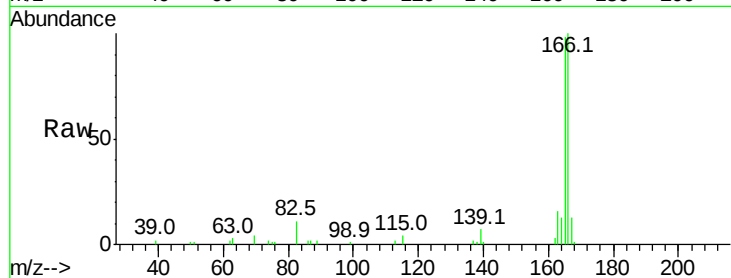


#57
Fluorene
 Concen: 3.757 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 28935

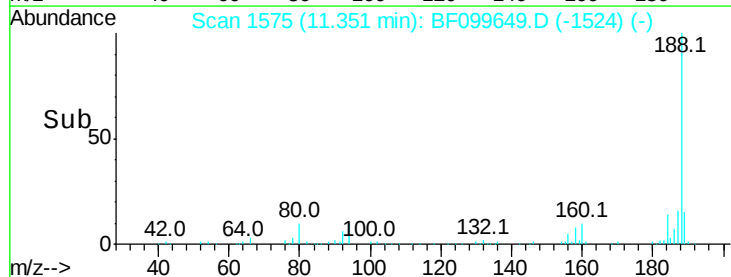
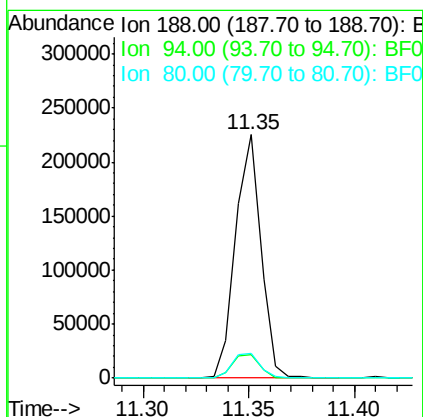
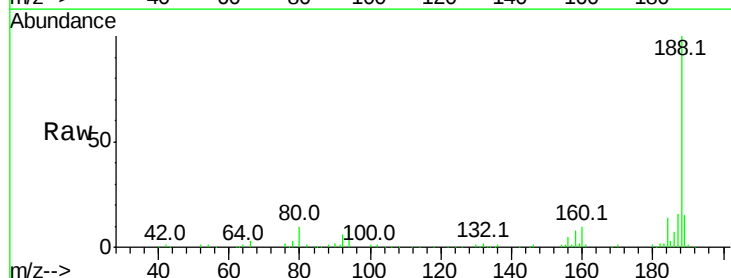
Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.0	10.6	16.0

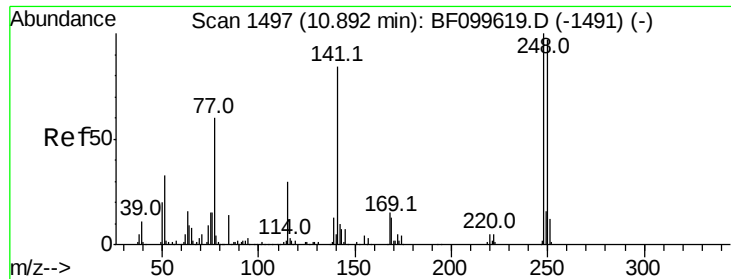


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion:188 Resp: 187289

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.2	9.2	13.8

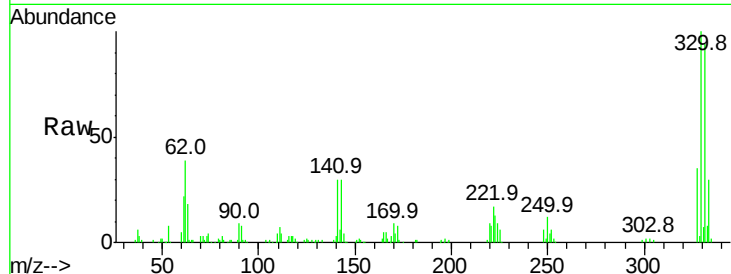




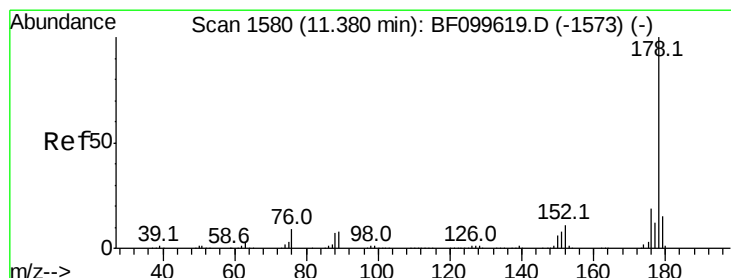
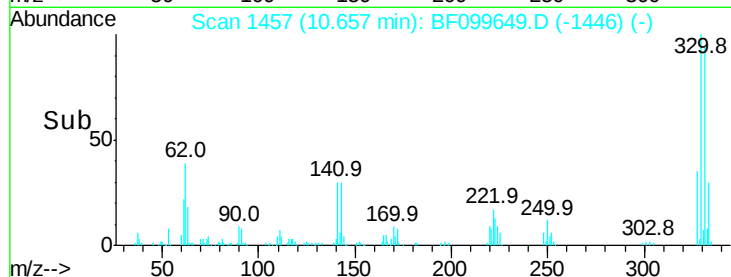
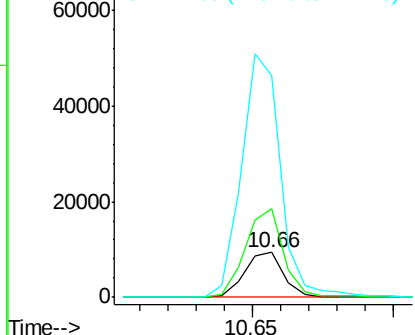
#66
 4-Bromophenyl-phenylether
 Concen: 4.865 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.23 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.5	76.9	115.3#
141	492.9	74.4	111.6#

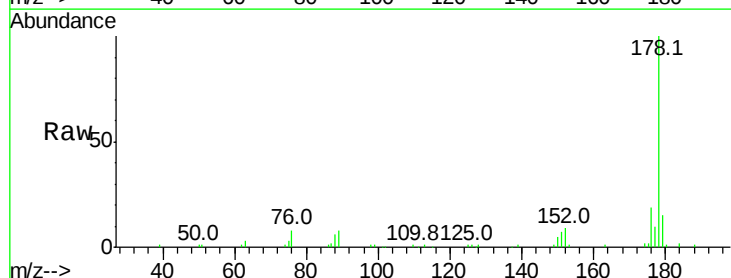


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

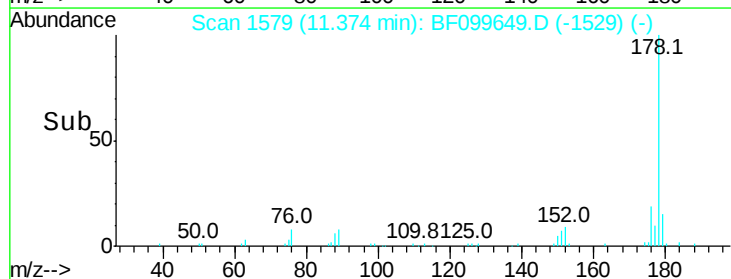
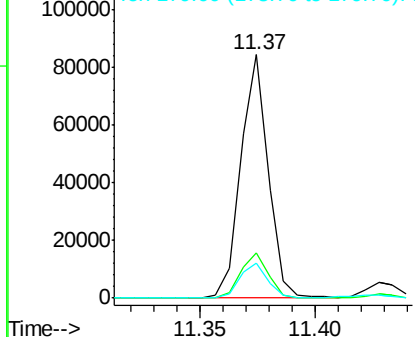


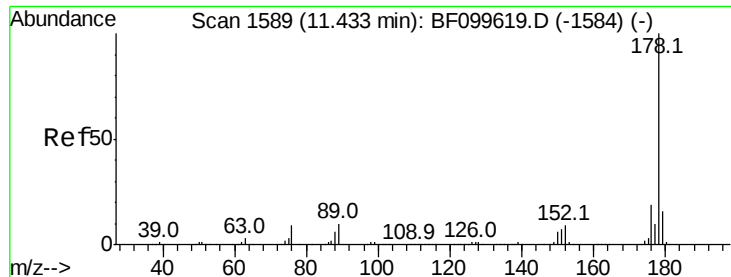
#70
 Phenanthrene
 Concen: 6.967 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.6	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

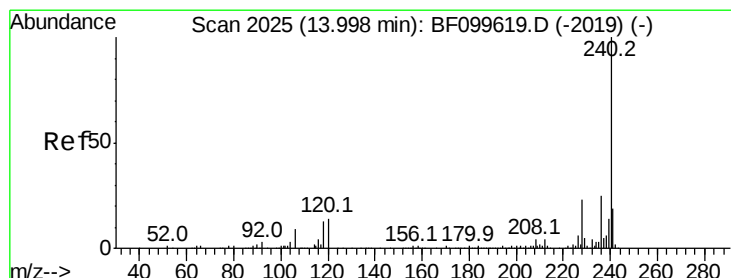
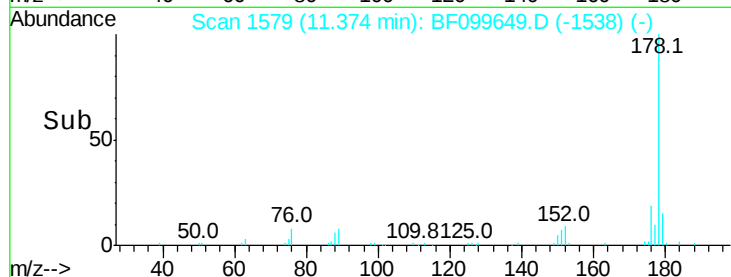
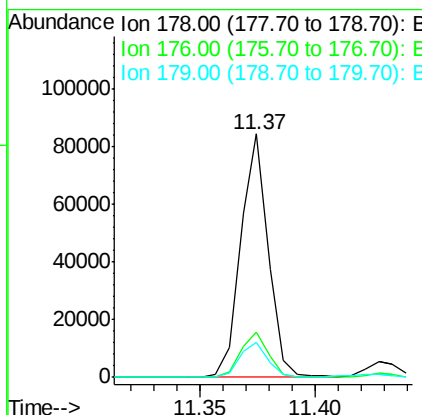
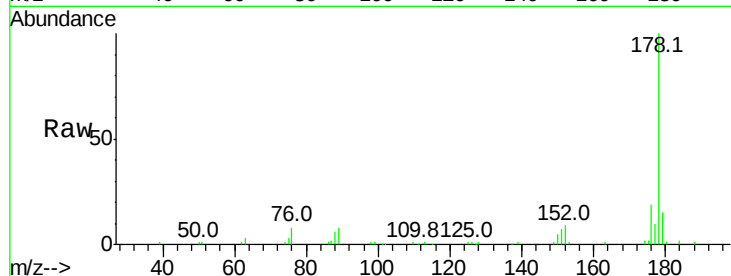




#71
 Anthracene
 Concen: 6.810 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.06 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

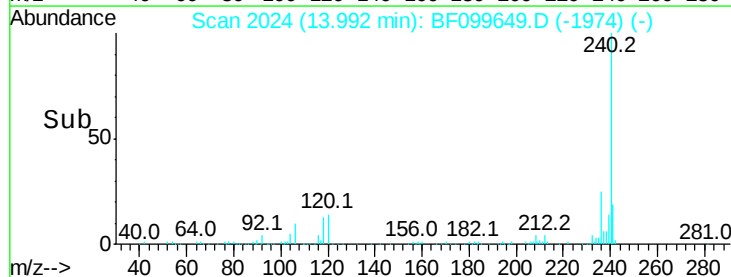
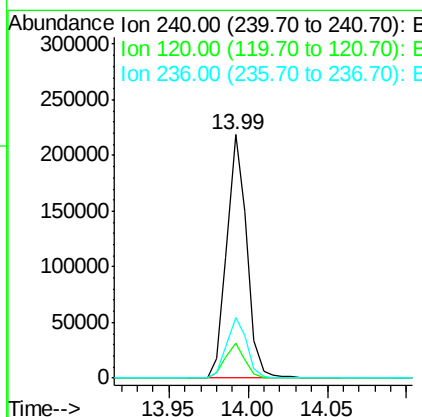
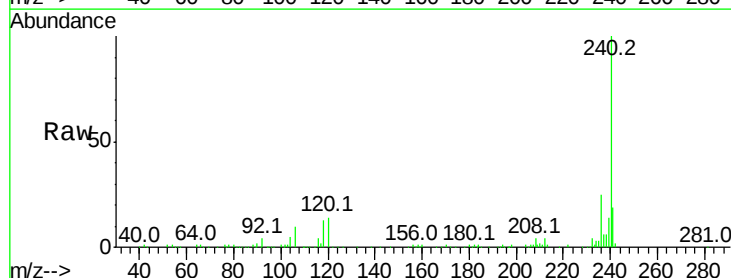
Instrument :
 BNA_F
 ClientSampleId :

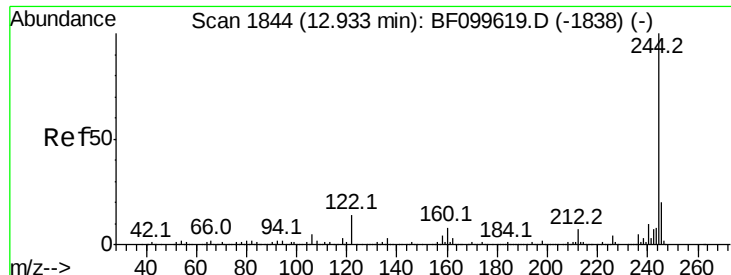
Tot Ion:178 Resp: 69849
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.6 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion:240 Resp: 191757
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 24.8 20.7 31.1

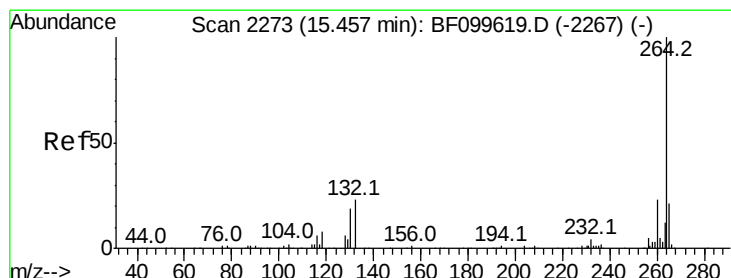
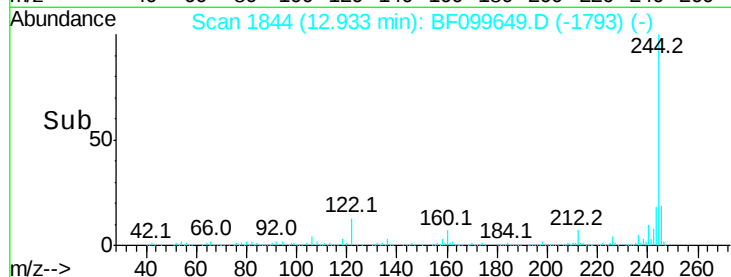
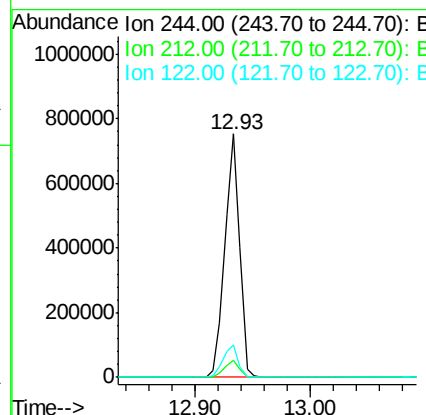
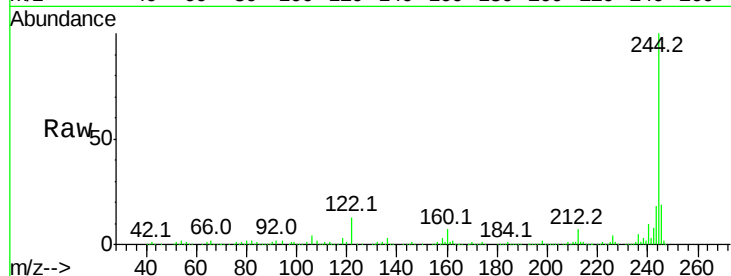




#78
 Terphenyl-d14
 Concen: 78.836 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 664733
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion:264 Resp: 147630
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.6 17.5 26.3

