

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099109.D
 Acq On : 5 Oct 2017 17:57
 Operator : SJ/JU
 Sample : I5526-03DL 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 18:27:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126540	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	506600	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	244702	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	420536	20.00	ng	0.00
75) Chrysene-d12	14.03	240	300554	20.00	ng	0.00
86) Perylene-d12	15.50	264	217032	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	51401	6.47	ng	0.00
7) Phenol-d6	6.49	99	39340	4.01	ng	-0.01
23) Nitrobenzene-d5	7.42	82	75121	9.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	24390	12.18	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	152920	10.43	ng	-0.01
78) Terphenyl-d14	12.96	244	110761	8.38	ng	-0.01

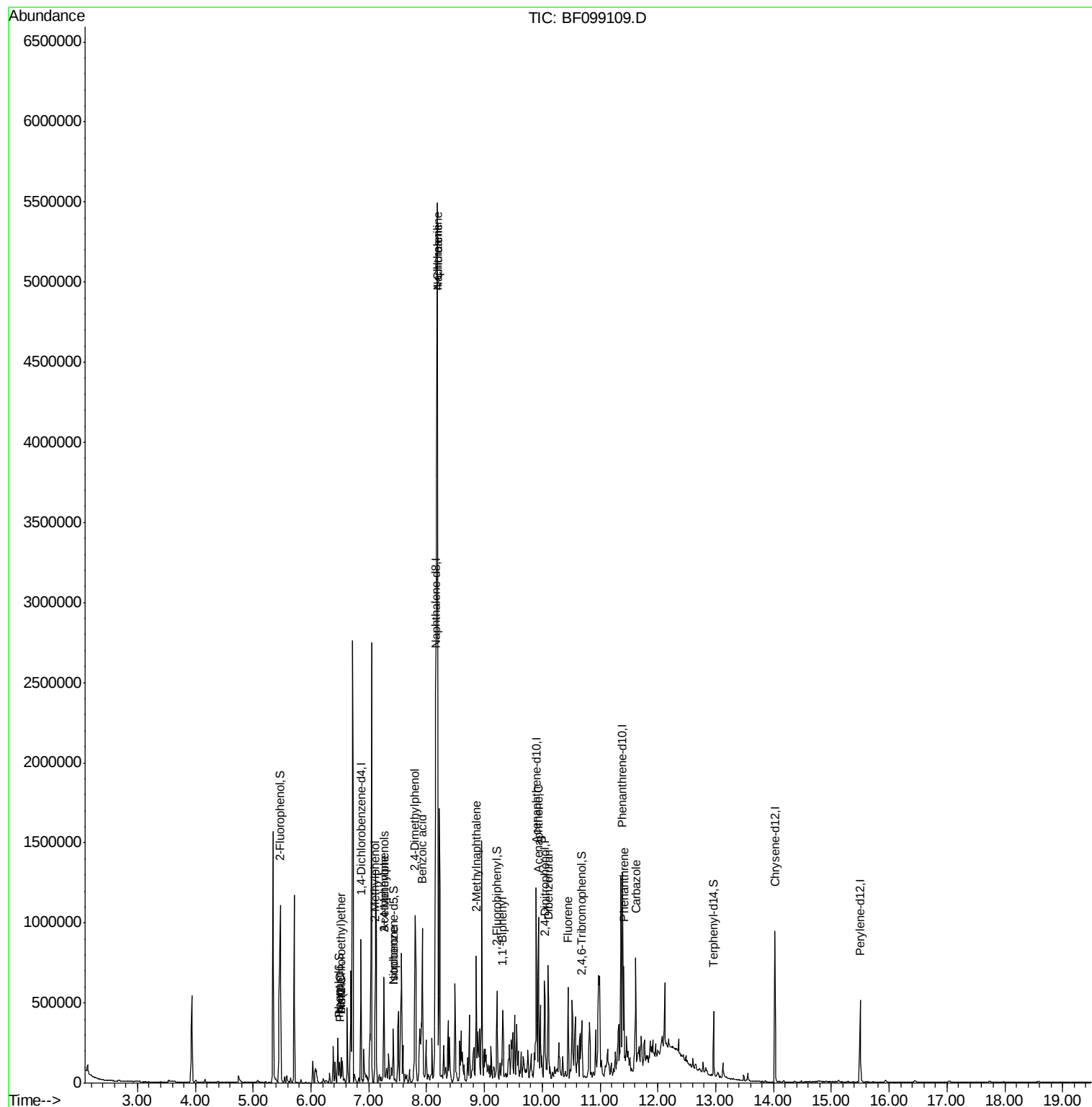
Target Compounds				Qvalue		
6) Aniline	6.52	93	53247	4.023	ng	97
10) Phenol	6.50	94	36302	3.310	ng	95
11) bis(2-Chloroethyl)ether	6.52	93	53247	6.245	ng	# 24
17) 2-Methylphenol	7.11	107	55218	7.497	ng	95
20) 3+4-Methylphenols	7.26	107	165071	17.715	ng	95
22) Acetophenone	7.27	105	25629	2.088	ng	# 71
25) Isophorone	7.42	82	72547	4.442	ng	# 64
27) 2,4-Dimethylphenol	7.80	122	277249	34.069	ng	97
31) Naphthalene	8.19	128	4492396	188.811	ng	98
32) Benzoic acid	7.93	122	204045	30.524	ng	# 13
33) 4-Chloroaniline	8.19	127	623014	62.703	ng	# 35
37) 2-Methylnaphthalene	8.86	142	185271	11.978	ng	100
45) 1,1'-Biphenyl	9.32	154	104227	4.956	ng	97
51) Acenaphthene	9.93	154	186685	12.192	ng	99
53) 2,4-Dinitrophenol	10.05	184	669	6.124	ng	# 1
54) Dibenzofuran	10.10	168	220315	10.807	ng	99
57) Fluorene	10.45	166	136708	8.343	ng	97
70) Phenanthrene	11.41	178	213695	9.493	ng	98
72) Carbazole	11.62	167	147776	6.552	ng	99

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

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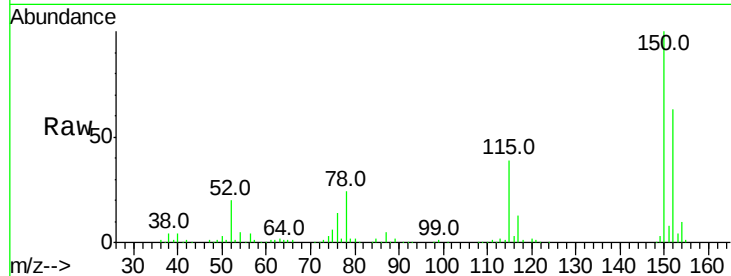


#1

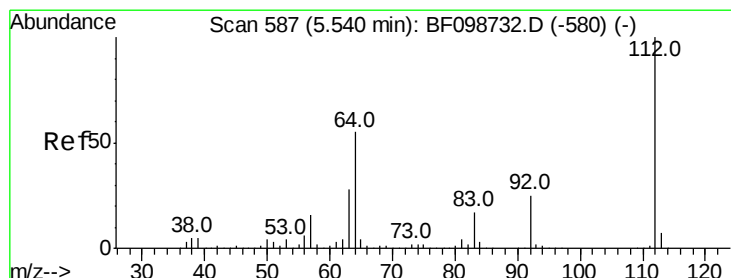
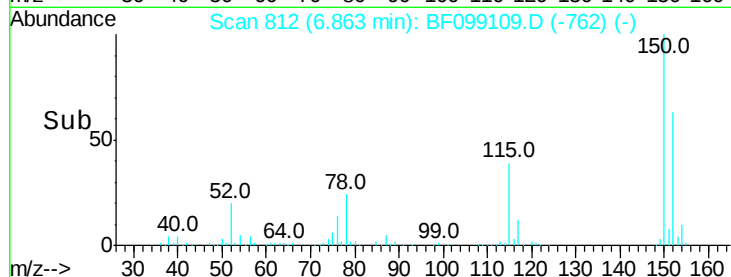
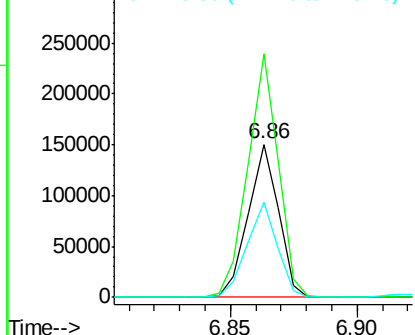
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126540
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 62.4 50.1 75.1



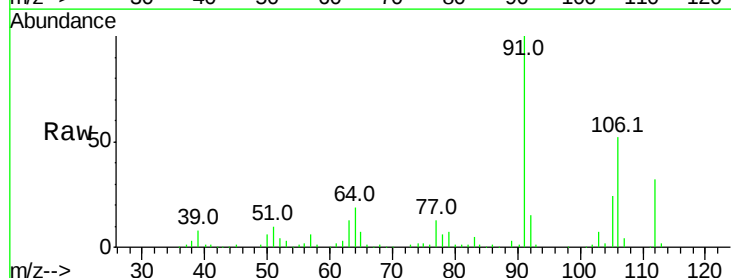
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



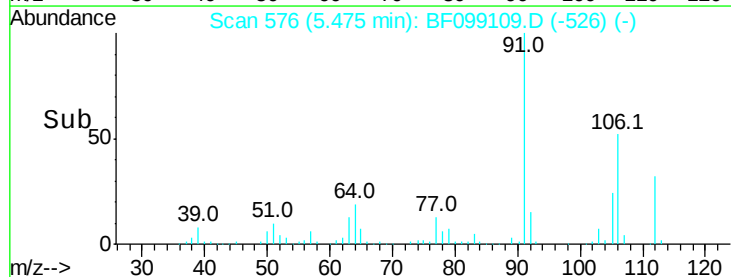
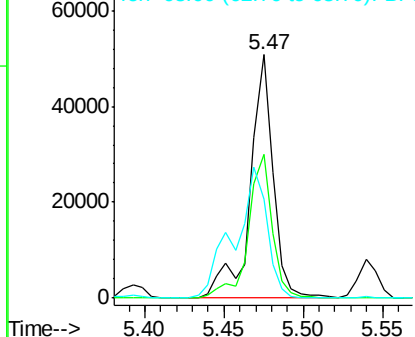
#5

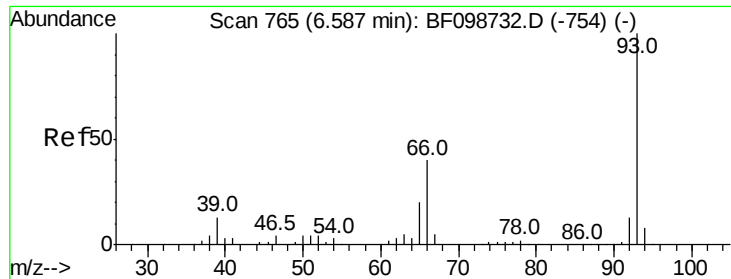
2-Fluorophenol
Concen: 6.466 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:112 Resp: 51401
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 40.9 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





#6

Aniline

Concen: 4.023 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

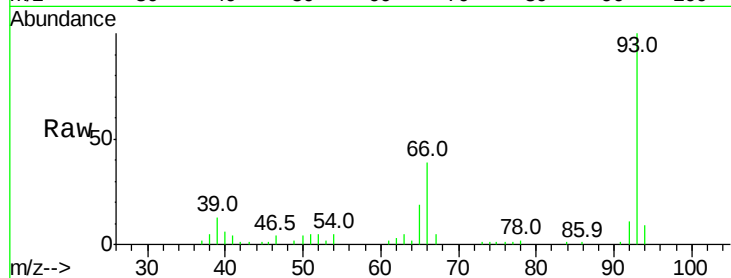
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 93 Resp: 53247

Ion	Ratio	Lower	Upper
93	100		
66	39.0	32.2	48.2
65	18.8	16.4	24.6

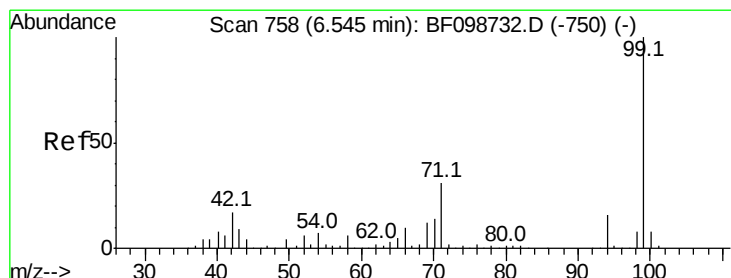
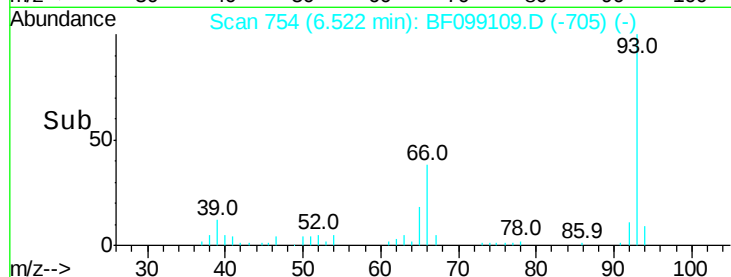
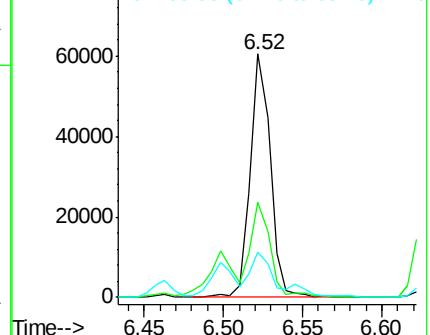


Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 4.012 ng

RT: 6.49 min Scan# 748

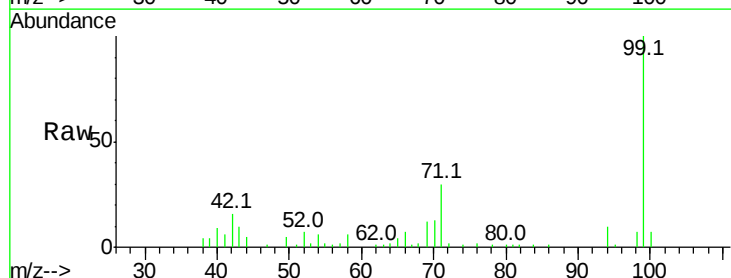
Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Tgt Ion: 99 Resp: 39340

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	30.1	25.4	38.0

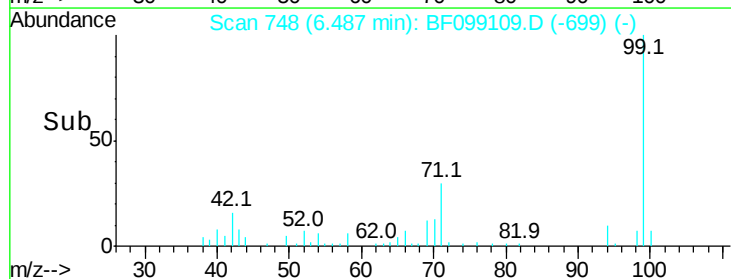
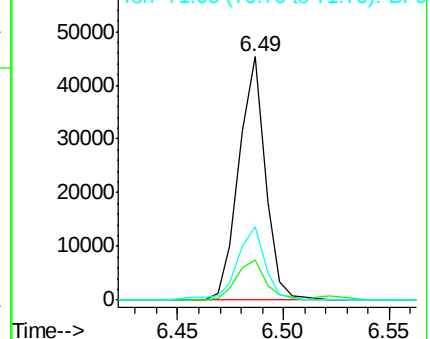


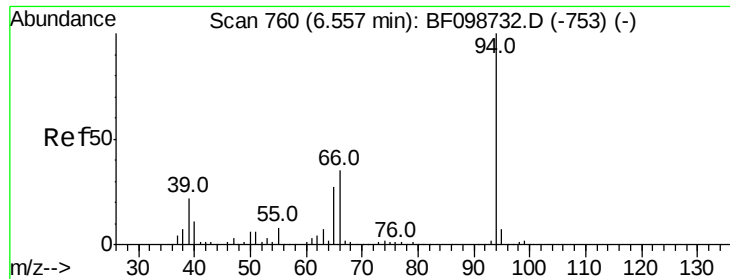
Abundance

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





#10

Phenol

Concen: 3.310 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Instrument :

BNA_F

ClientSampled :

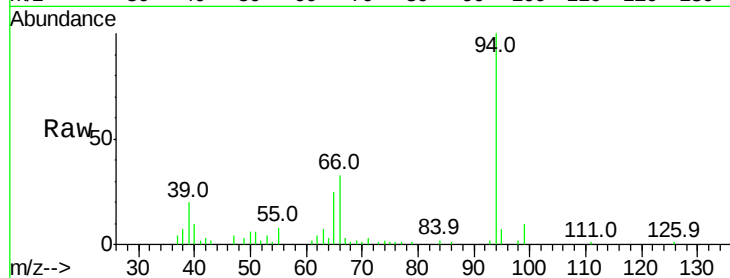
Tot Ion: 94 Resp: 36302

Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

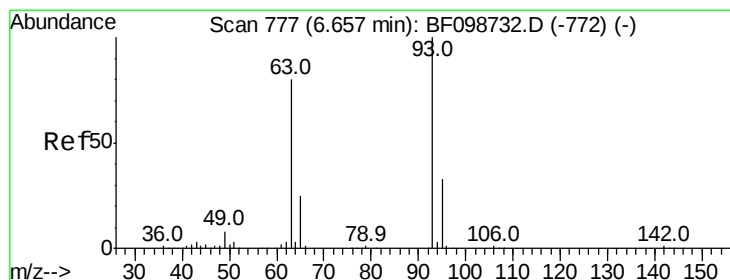
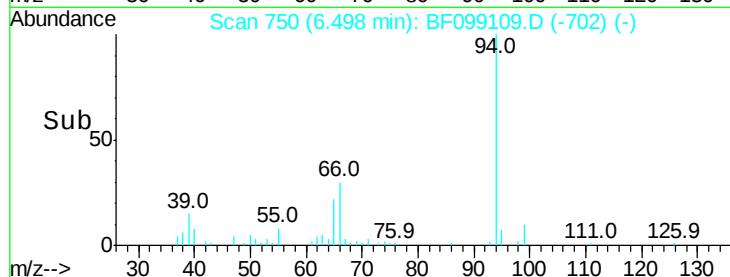
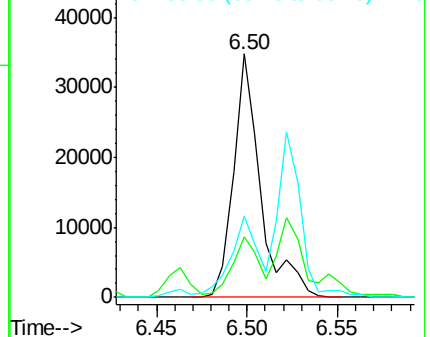
66 33.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 6.245 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.08 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

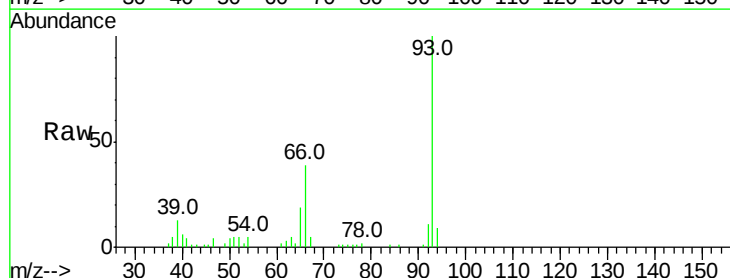
Tgt Ion: 93 Resp: 53247

Ion Ratio Lower Upper

93 100

63 5.1 58.6 98.6#

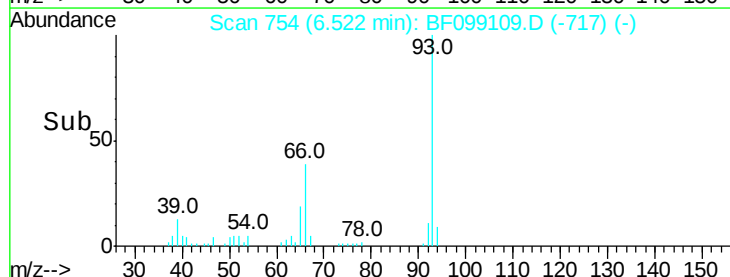
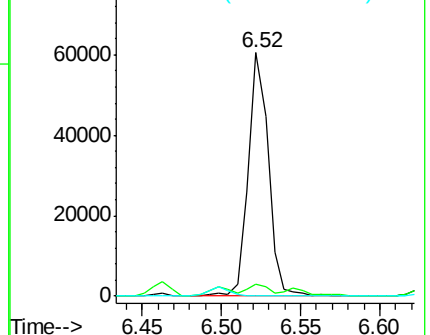
95 0.0 11.8 51.8#

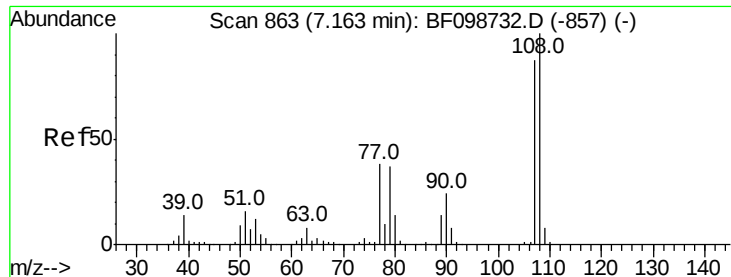


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

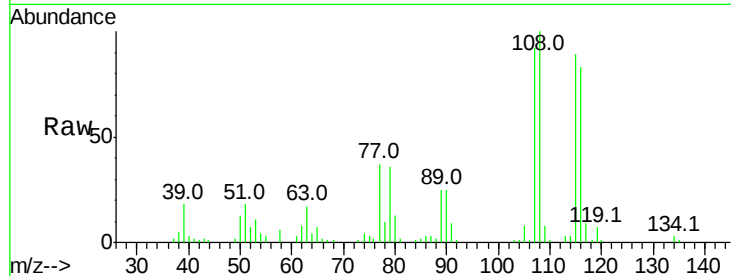




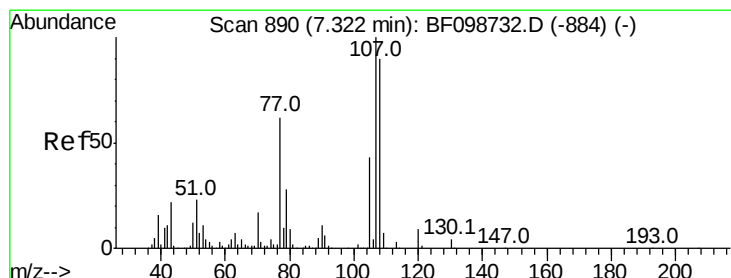
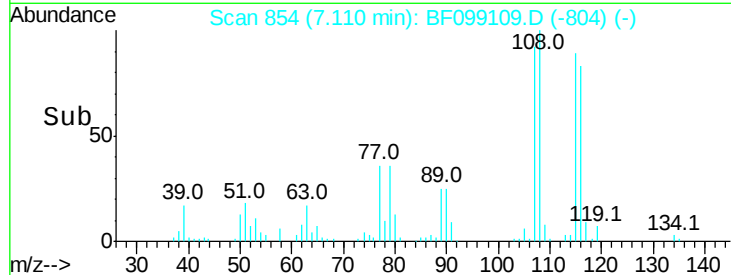
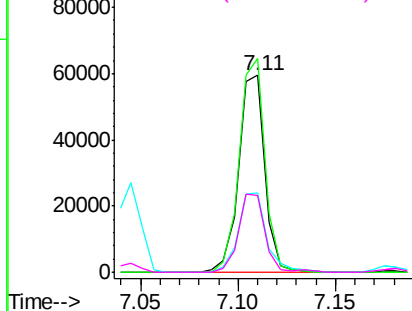
#17
2-Methylphenol
Concen: 7.497 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 55218
Ion Ratio Lower Upper
107 100
108 108.6 91.7 137.5
77 40.1 33.8 50.8
79 39.4 33.8 50.8



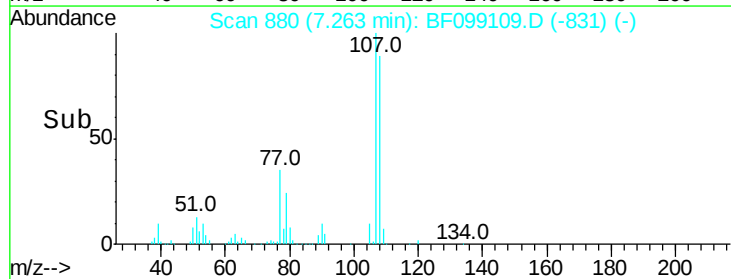
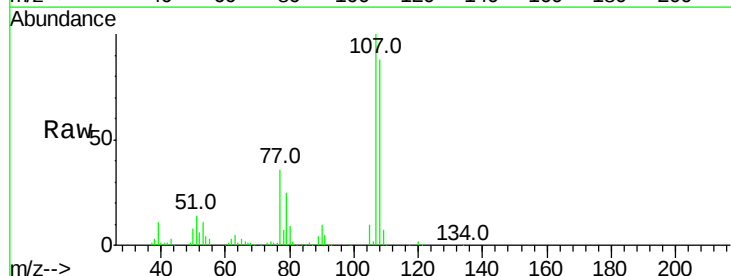
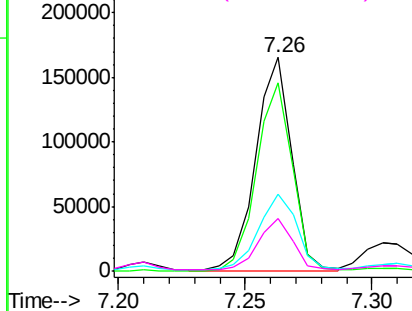
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

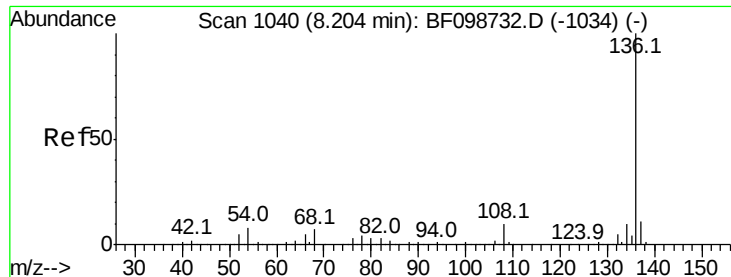


#20
3+4-Methylphenols
Concen: 17.715 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:107 Resp: 165071
Ion Ratio Lower Upper
107 100
108 88.0 68.2 108.2
77 35.8 26.7 66.7
79 24.7 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): BF0
Ion 79.00 (78.70 to 79.70): BF0

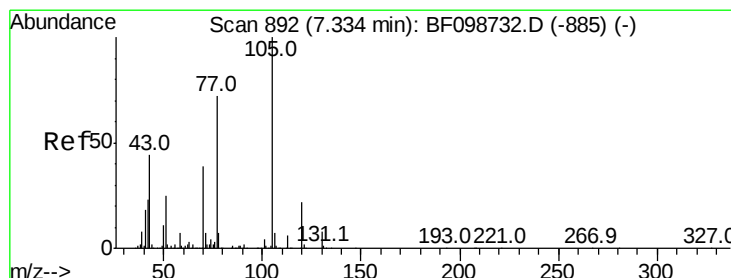
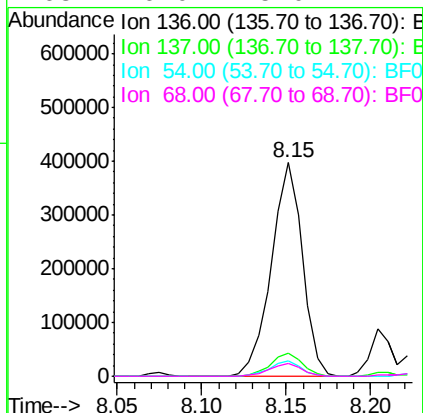
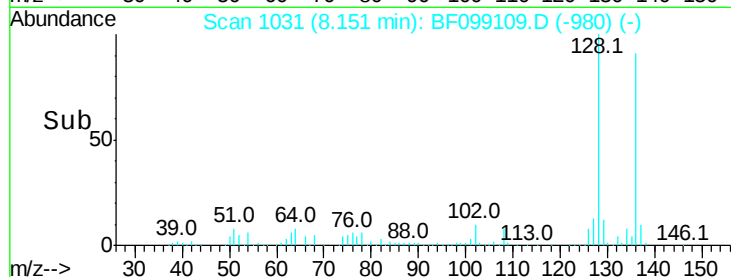
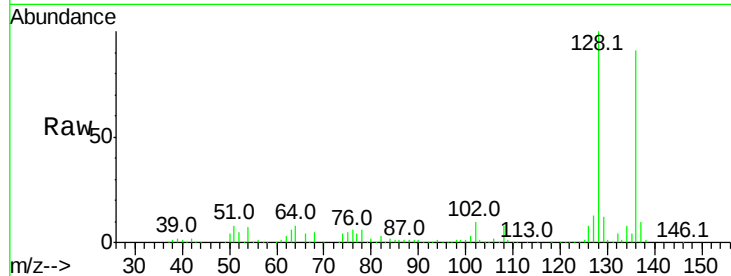




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

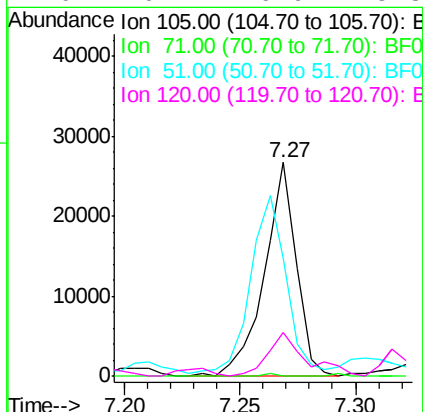
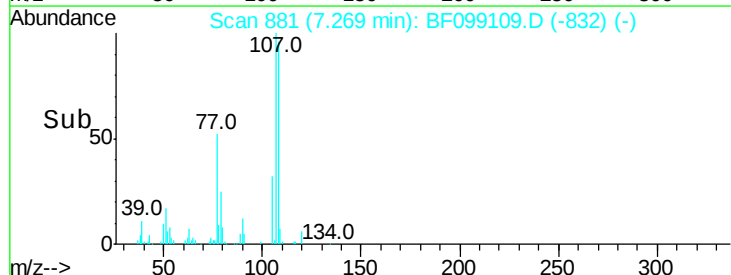
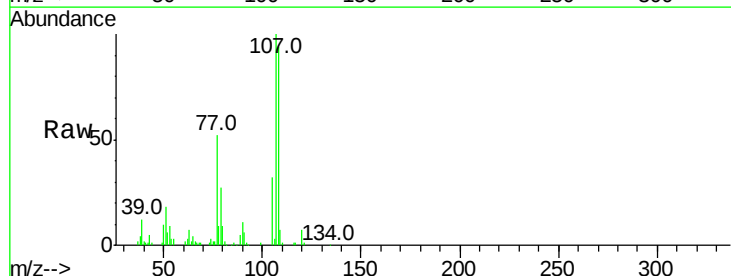
Instrument :
BNA_F
ClientSampleId :

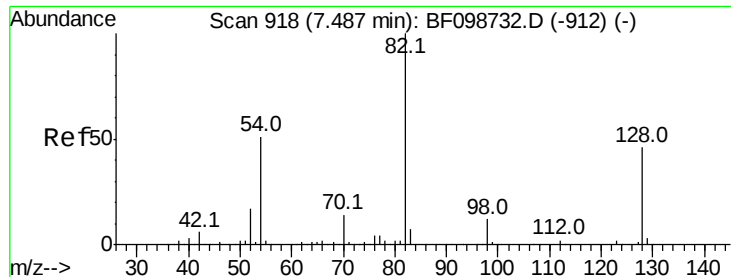
Tot Ion:136	Resp:	506600
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 7.2	6.6	9.8
68 6.0	5.0	7.4



#22
Acetophenone
Concen: 2.088 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:105	Resp:	25629
Ion Ratio	Lower	Upper
105 100		
71 0.0	4.4	6.6#
51 55.3	22.3	33.5#
120 20.4	16.9	25.3

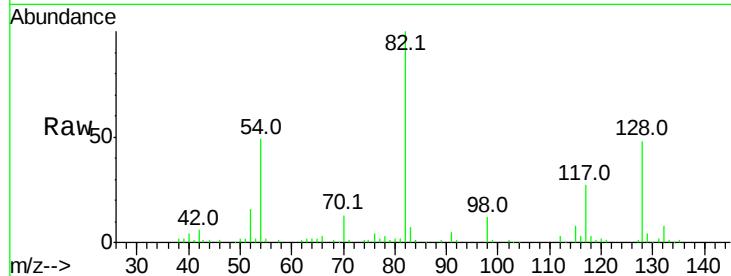




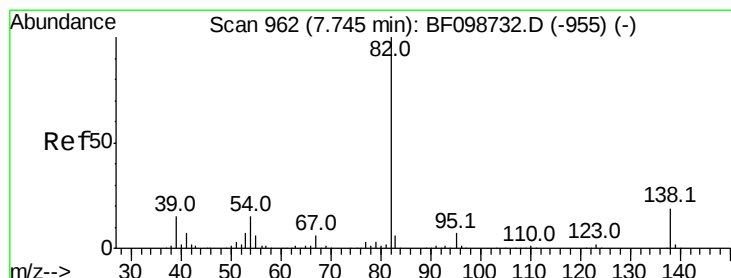
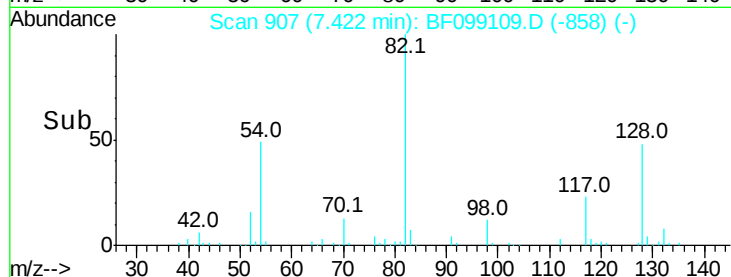
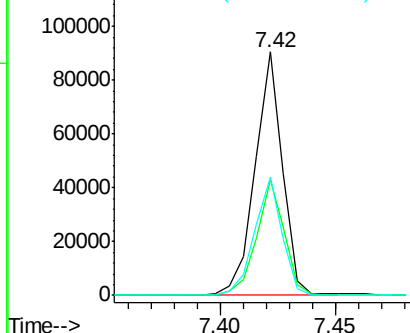
#23
 Nitrobenzene-d5
 Concen: 9.510 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	75121
Ion Ratio	Lower	Upper	
82	100		
128	47.6	36.1	54.1
54	48.8	41.4	62.2

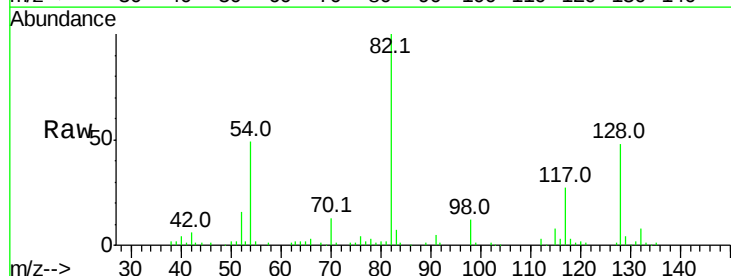


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

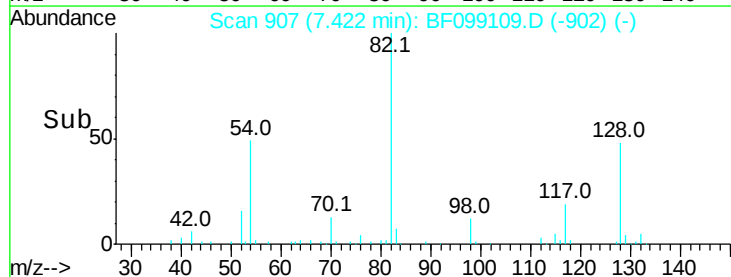
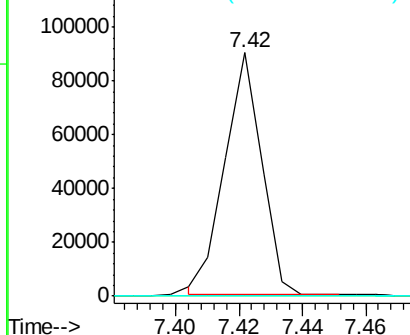


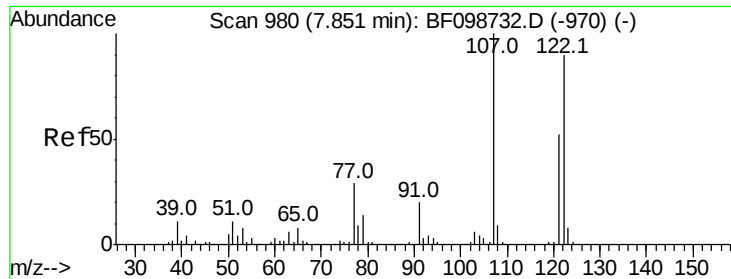
#25
 Isophorone
 Concen: 4.442 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.27 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Tgt Ion	82	Resp	72547
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): BF0

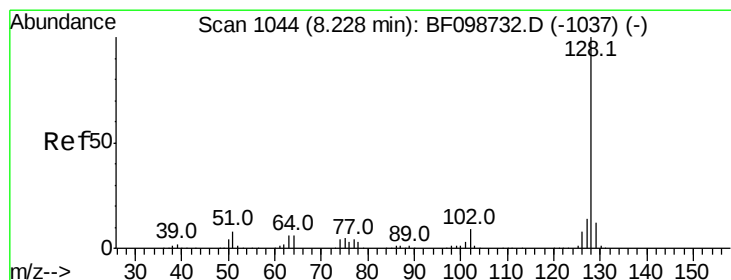
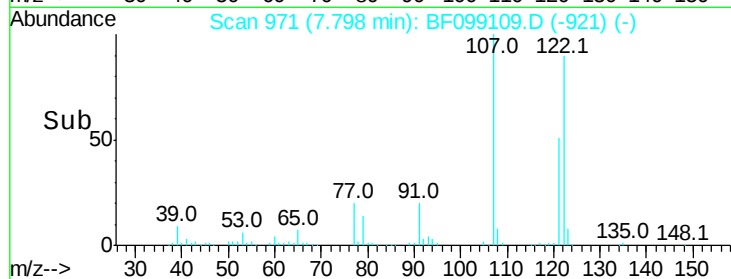
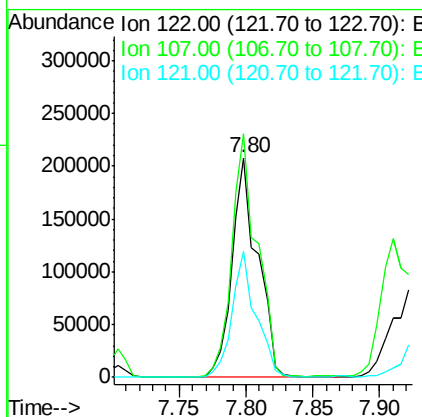
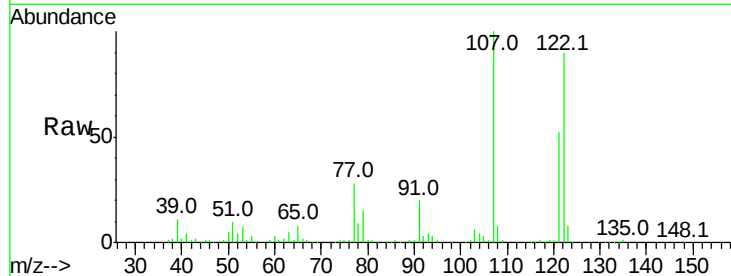




#27
2,4-Dimethylphenol
Concen: 34.069 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

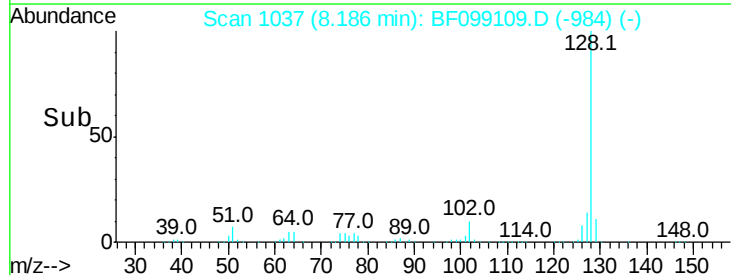
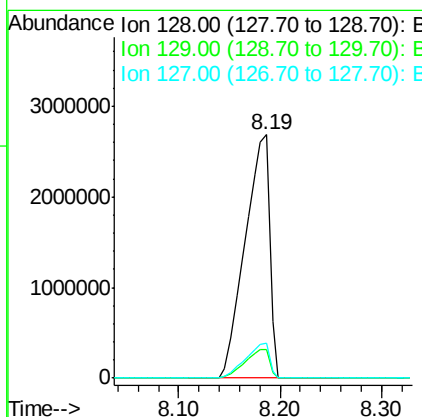
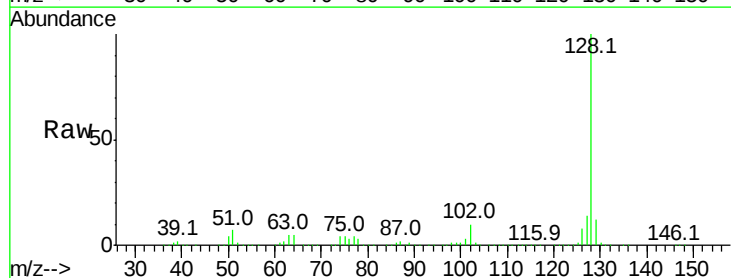
Instrument :
BNA_F
ClientSampleId :

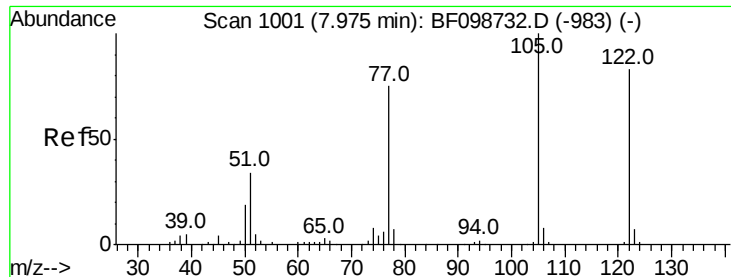
Tot Ion:122 Resp: 277249
Ion Ratio Lower Upper
122 100
107 110.8 91.2 136.8
121 57.2 47.2 70.8



#31
Naphthalene
Concen: 188.811 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:128 Resp: 4492396
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.2 10.9 16.3

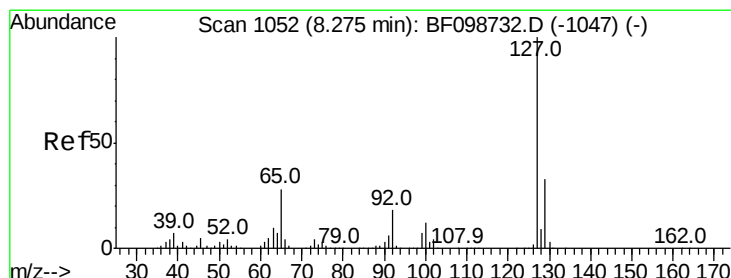
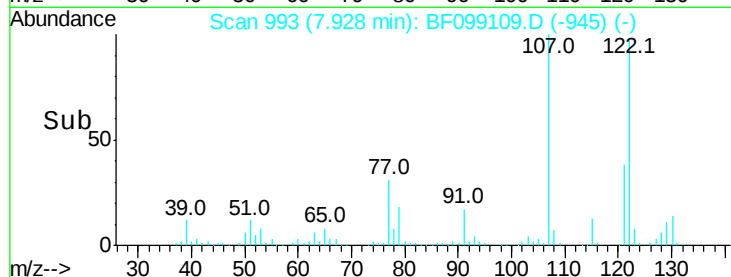
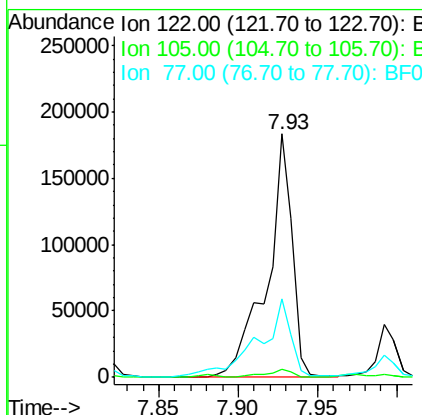
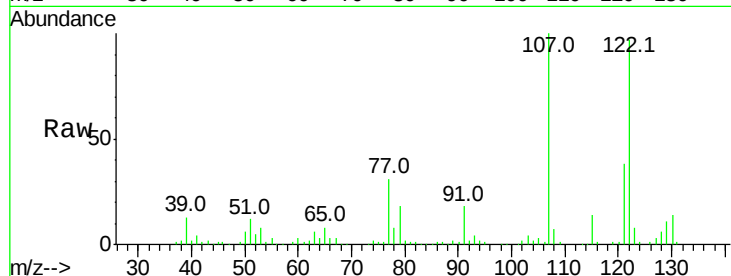




#32
Benzoic acid
Concen: 30.524 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

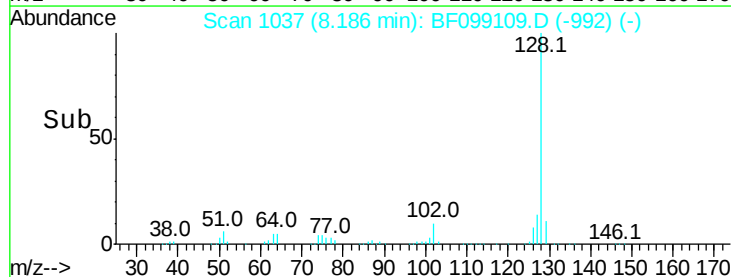
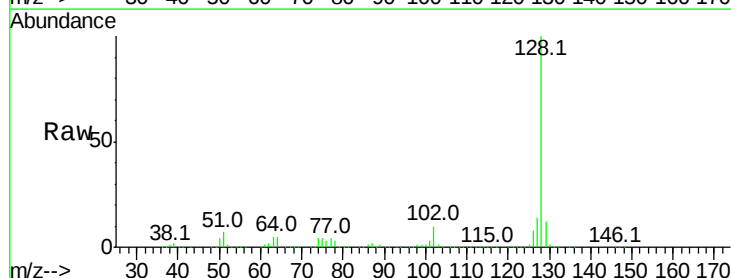
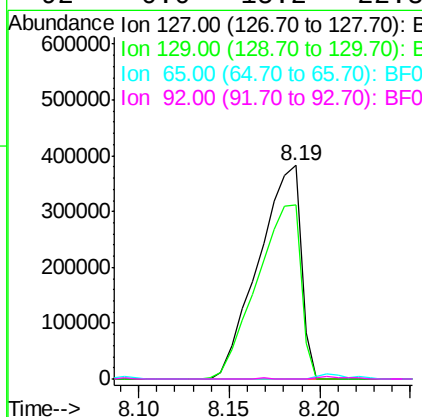
Instrument :
BNA_F
ClientSampleId :

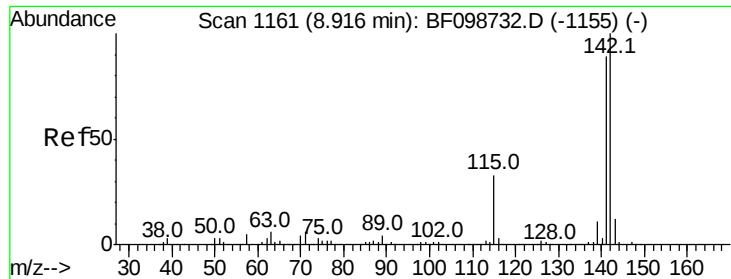
Tot Ion	Ratio	Lower	Upper
122	100		
105	3.2	101.1	141.1#
77	32.0	70.7	110.7#



#33
4-Chloroaniline
Concen: 62.703 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.04 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion	Ratio	Lower	Upper
127	100		
129	81.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

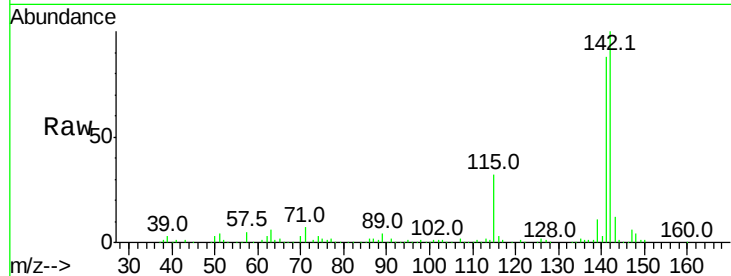




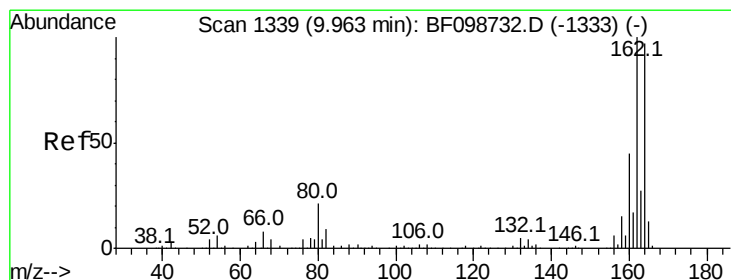
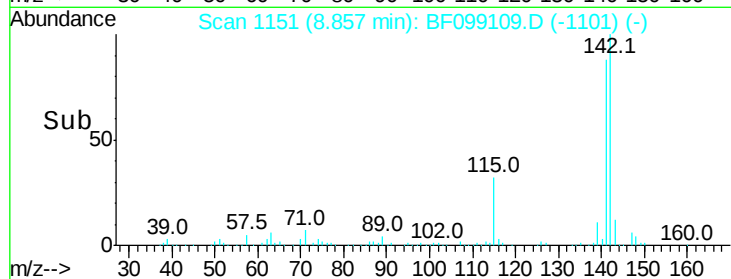
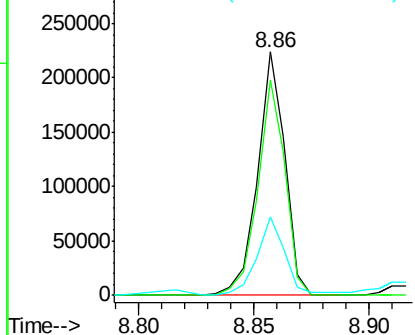
#37
2-Methylnaphthalene
Concen: 11.978 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 185271
Ion Ratio Lower Upper
142 100
141 88.4 70.8 106.2
115 32.0 26.1 39.1

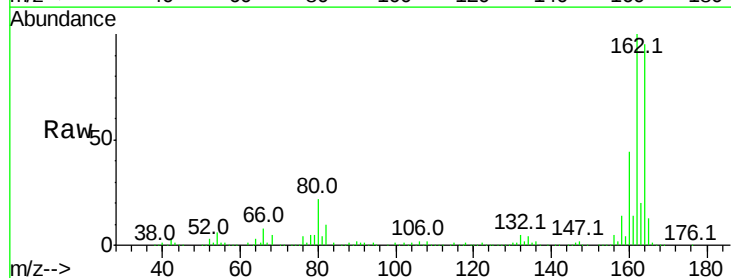


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

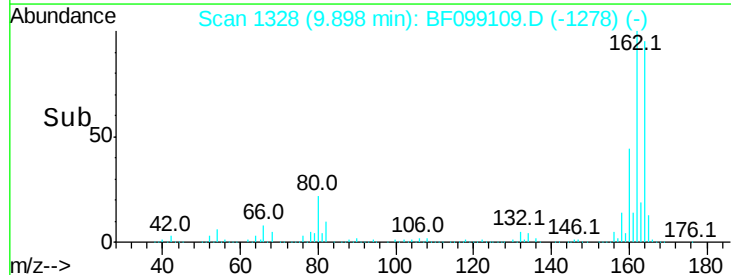
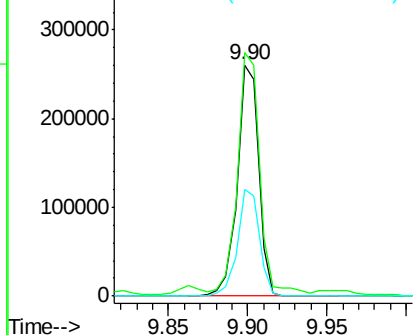


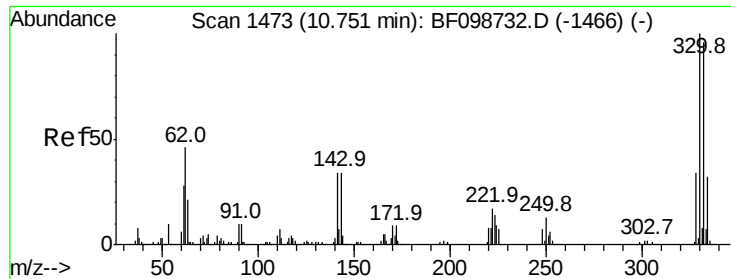
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:164 Resp: 244702
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 45.9 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

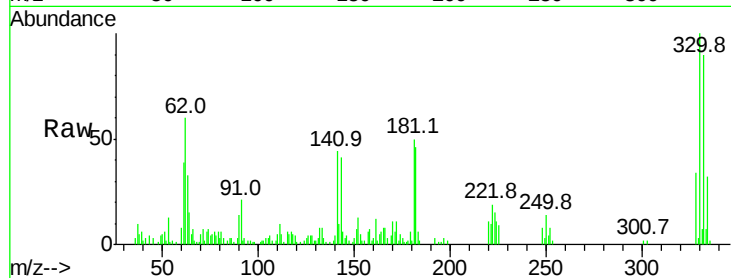




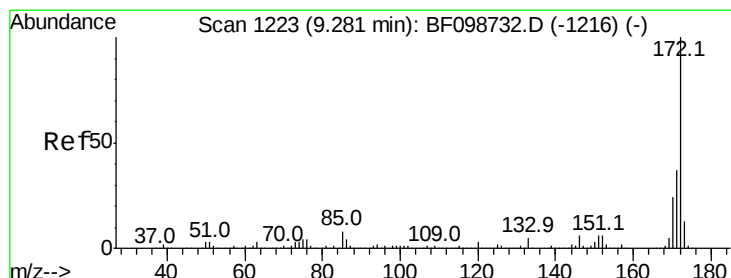
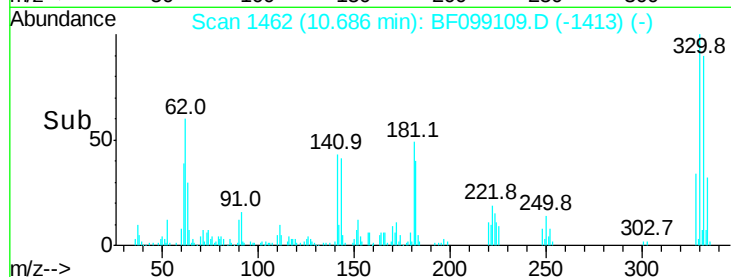
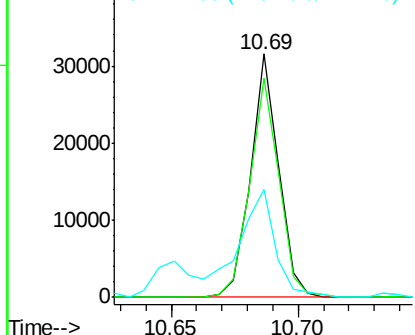
#41
 2,4,6-Tribromophenol
 Concen: 12.181 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24390
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 57.3 29.9 44.9#

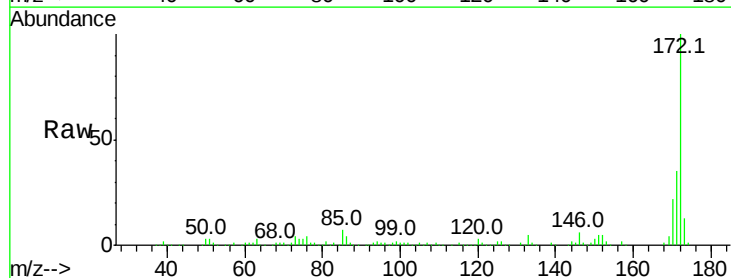


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

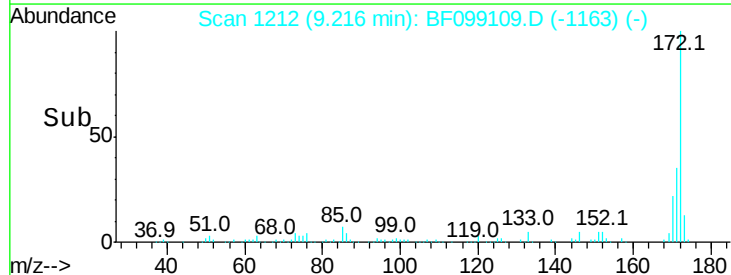
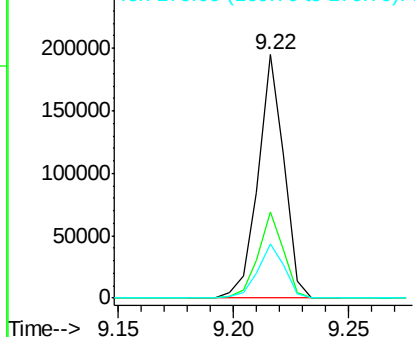


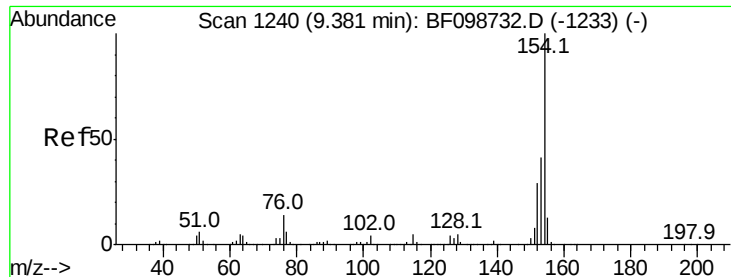
#44
 2-Fluorobiphenyl
 Concen: 10.433 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Tgt Ion:172 Resp: 152920
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 22.2 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

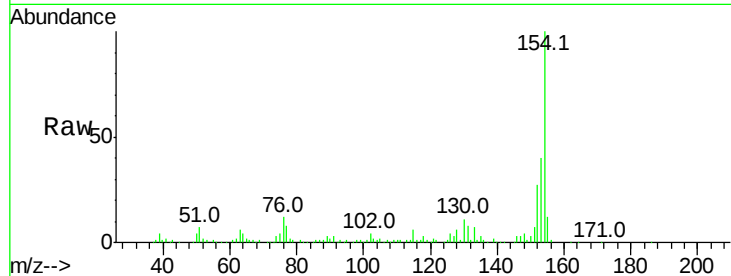




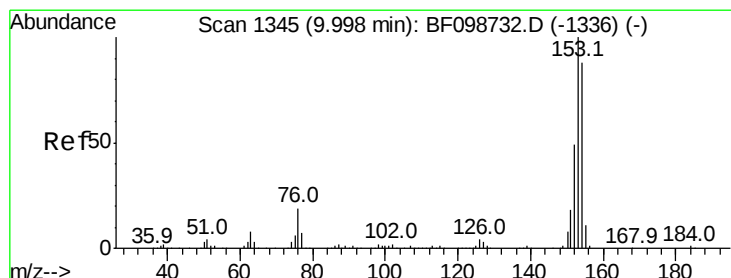
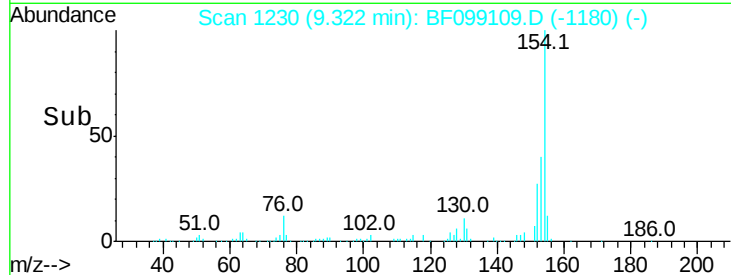
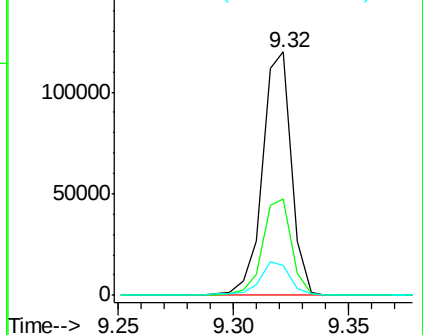
#45
 1,1'-Biphenyl
 Concen: 4.956 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 104227
 Ion Ratio Lower Upper
 154 100
 153 39.6 21.3 61.3
 76 12.1 0.0 34.0

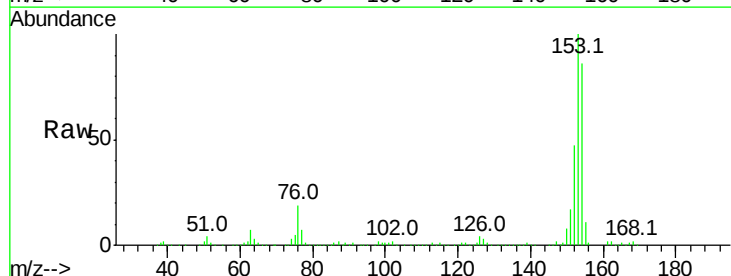


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

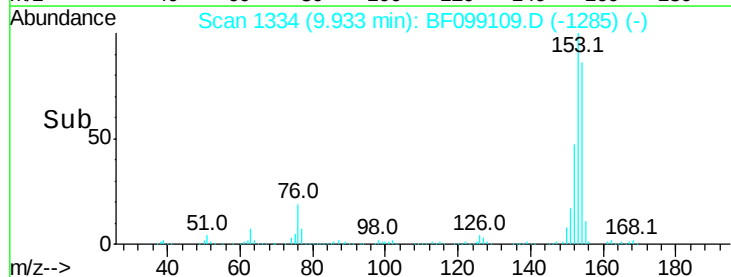
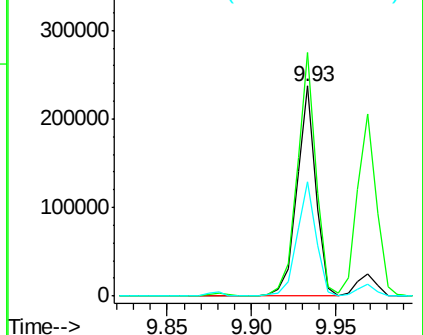


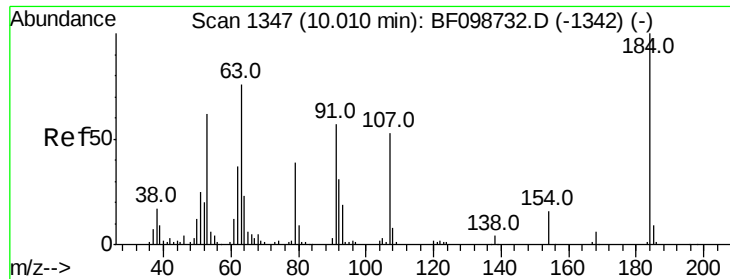
#51
 Acenaphthene
 Concen: 12.192 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Tgt Ion:154 Resp: 186685
 Ion Ratio Lower Upper
 154 100
 153 116.0 91.2 136.8
 152 54.2 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

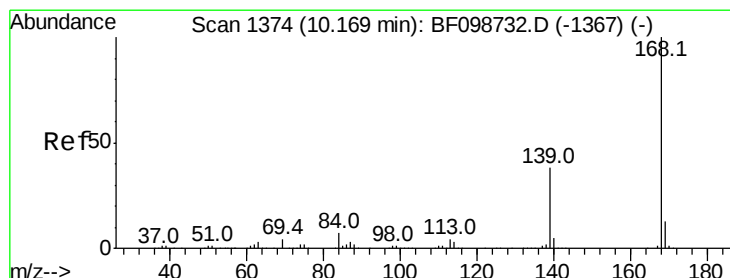
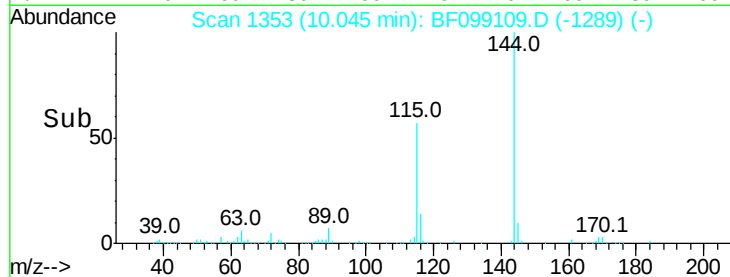
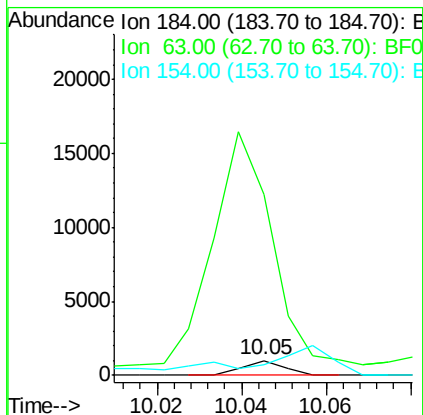
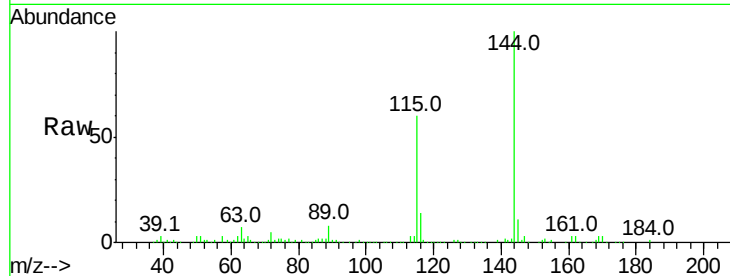




#53
2,4-Dinitrophenol
Concen: 6.124 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.08 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

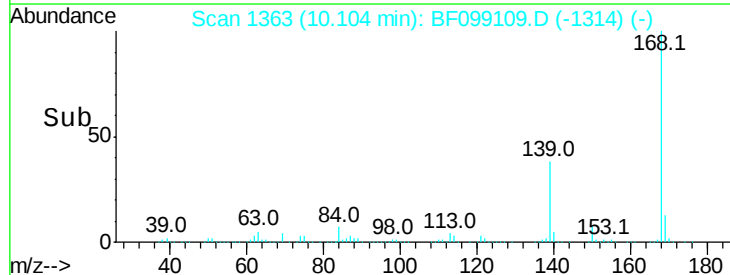
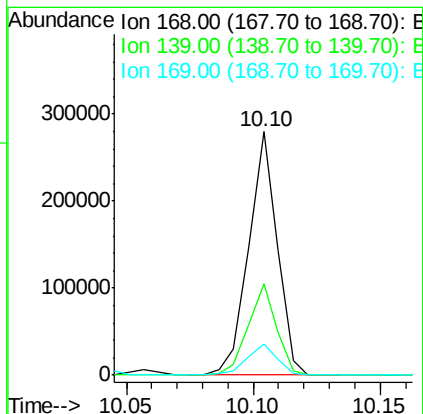
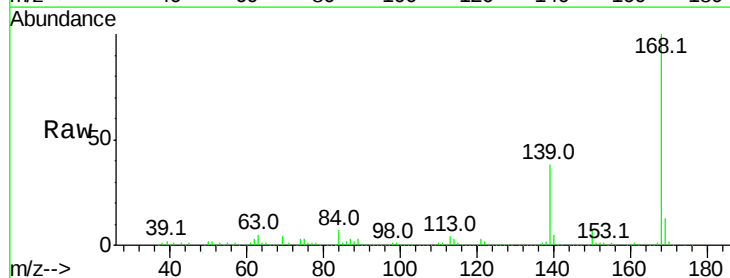
Instrument :
BNA_F
ClientSampleId :

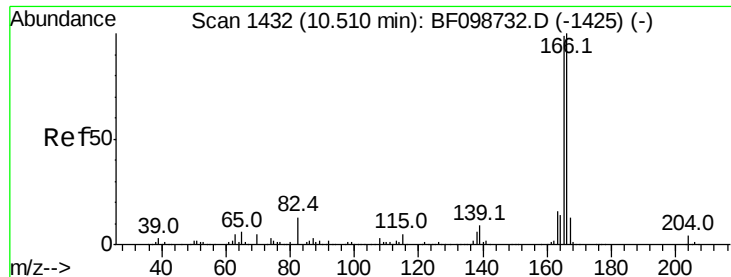
Tot Ion:184 Resp: 669
Ion Ratio Lower Upper
184 100
63 1243.0 54.2 81.2#
154 69.0 53.5 80.3



#54
Dibenzofuran
Concen: 10.807 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt Ion:168 Resp: 220315
Ion Ratio Lower Upper
168 100
139 37.7 30.1 45.1
169 13.0 10.9 16.3

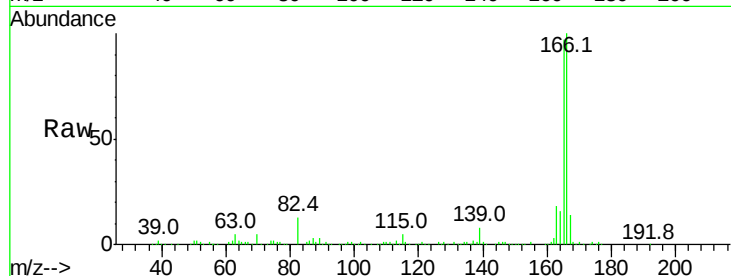




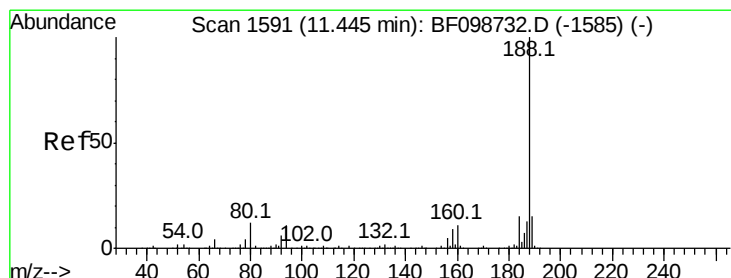
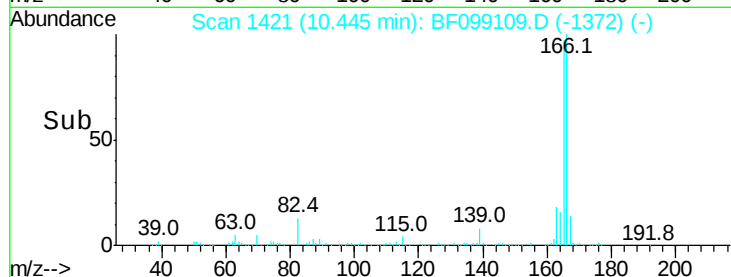
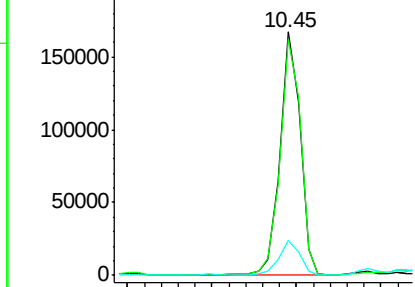
#57
 Fluorene
 Concen: 8.343 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 136708
 Ion Ratio Lower Upper
 166 100
 165 97.1 79.8 119.8
 167 14.4 10.6 16.0

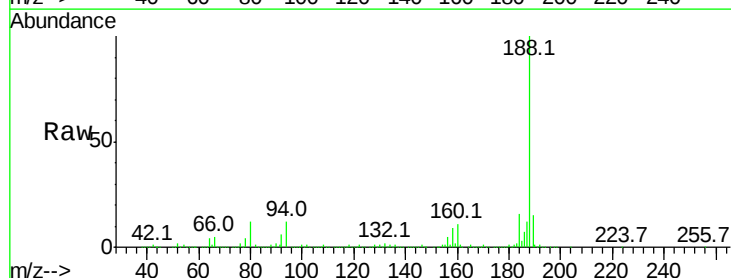


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

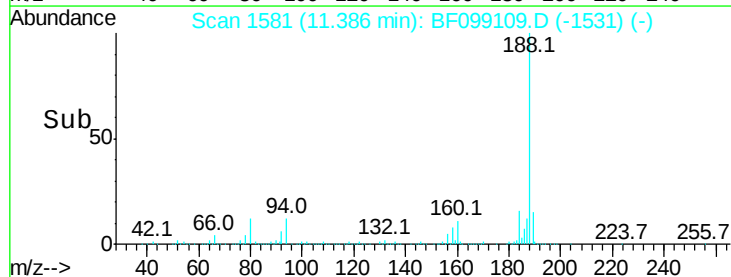
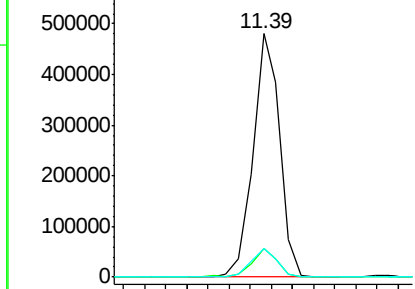


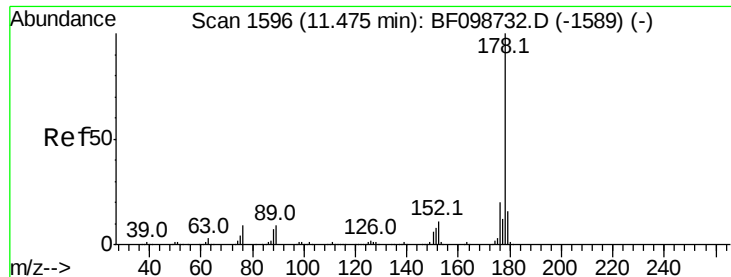
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Tgt Ion:188 Resp: 420536
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.493 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Instrument :

BNA_F

ClientSampleId :

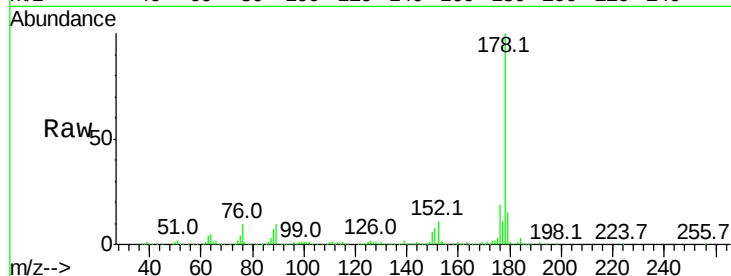
Tot Ion:178 Resp: 213695

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

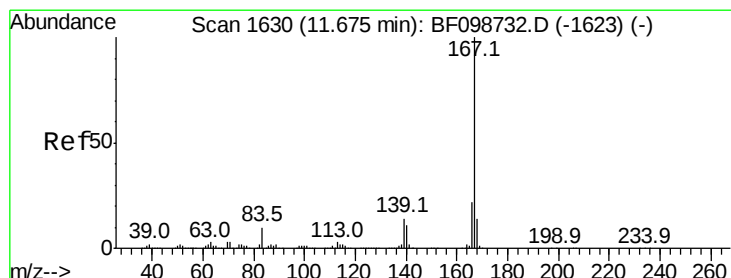
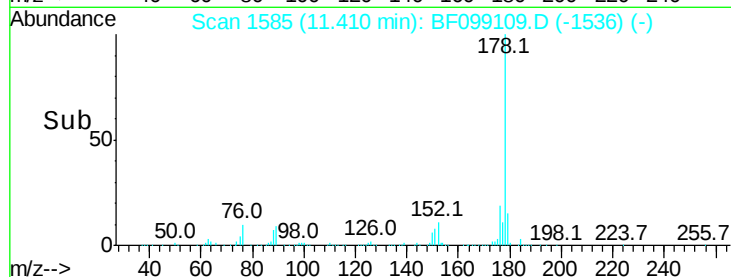
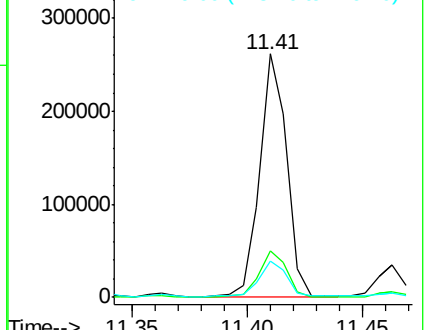
179 15.1 13.0 19.6



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



#72

Carbazole

Concen: 6.552 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

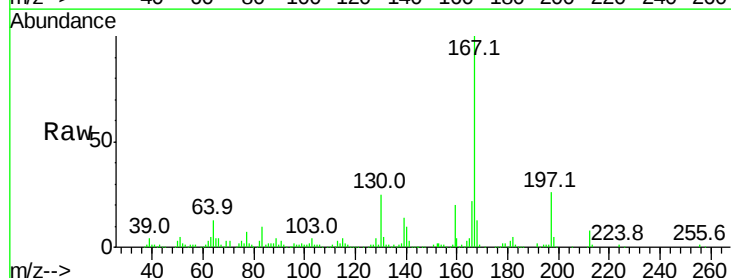
Tgt Ion:167 Resp: 147776

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

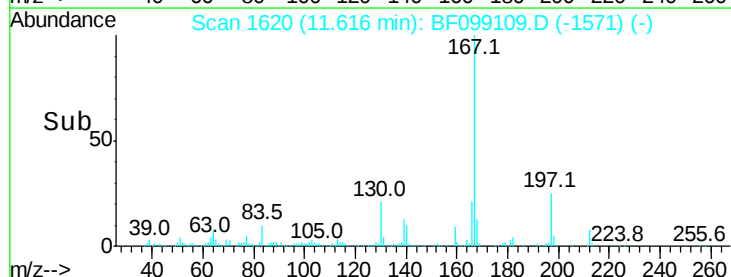
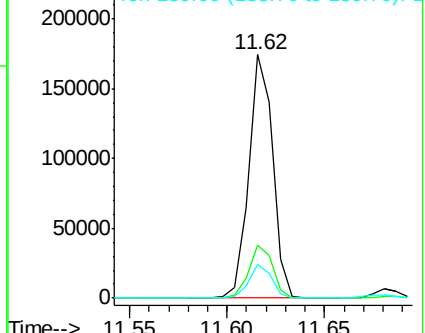
139 13.8 10.9 16.3

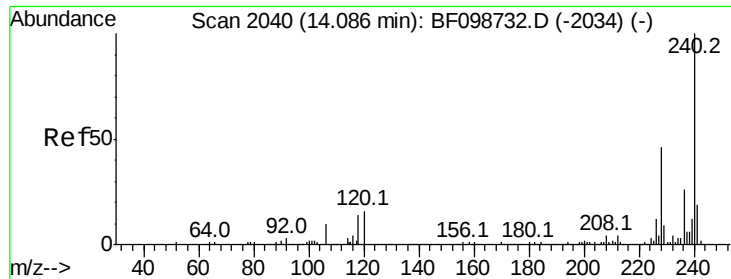


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Instrument :

BNA_F

ClientSampleId :

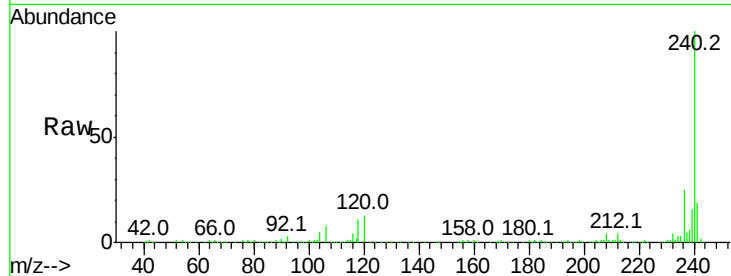
Tot Ion:240 Resp: 300554

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

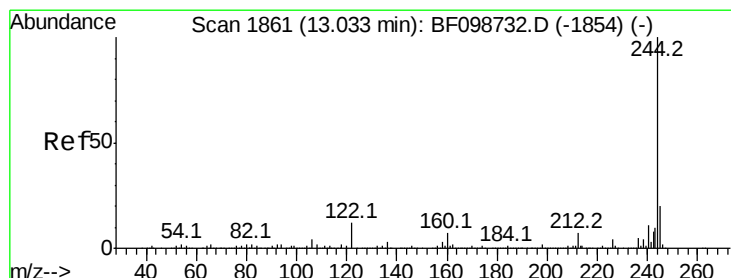
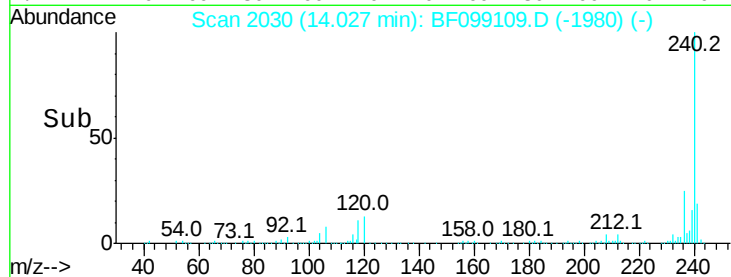
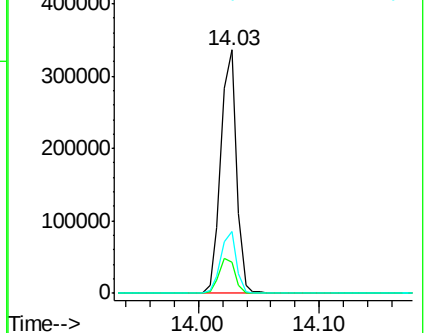
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 8.381 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

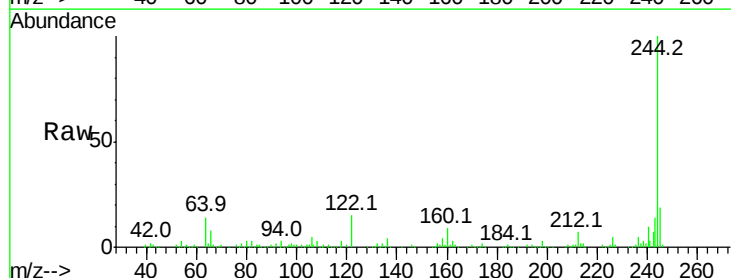
Tgt Ion:244 Resp: 110761

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

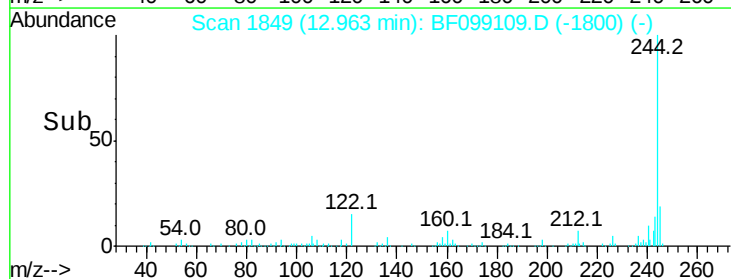
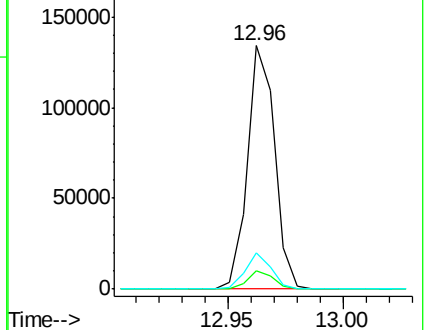
122 15.0 11.0 16.4

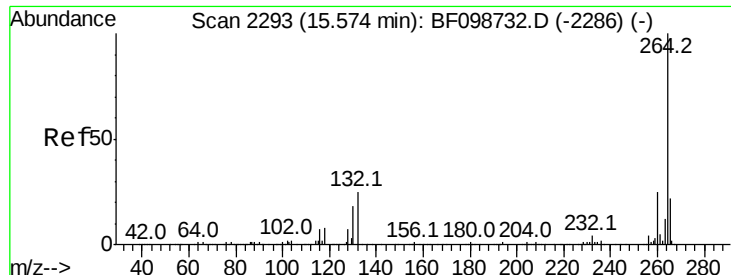


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

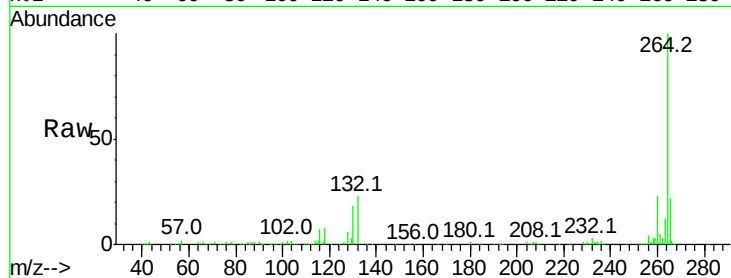




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	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

