

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 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Quant Time: Oct 05 18:35:33 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

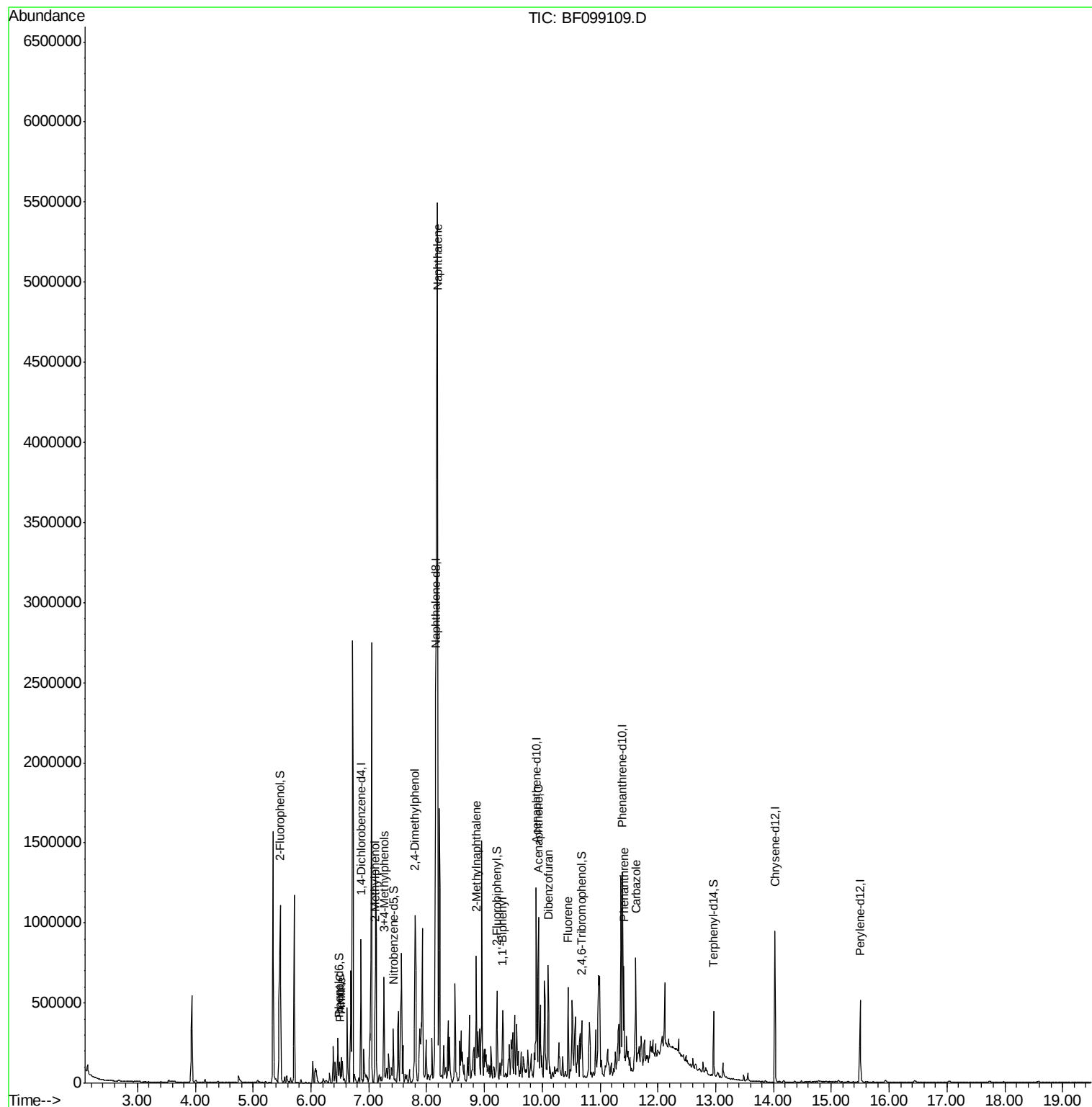
Target Compounds				Qvalue		
6) Aniline	6.52	93	53247	4.023	ng	97
10) Phenol	6.50	94	36302	3.310	ng	95
17) 2-Methylphenol	7.11	107	55218	7.497	ng	95
20) 3+4-Methylphenols	7.26	107	165071	17.715	ng	95
27) 2,4-Dimethylphenol	7.80	122	277249	34.069	ng	97
31) Naphthalene	8.19	128	4492396	188.811	ng	98
37) 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
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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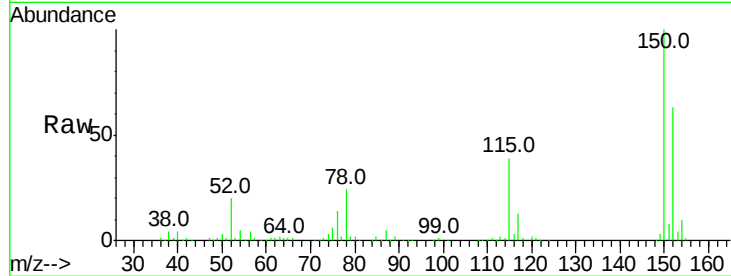


#1

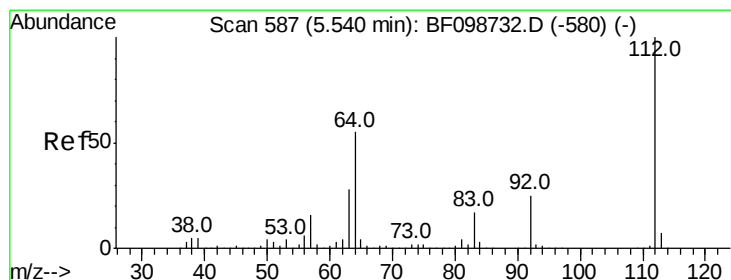
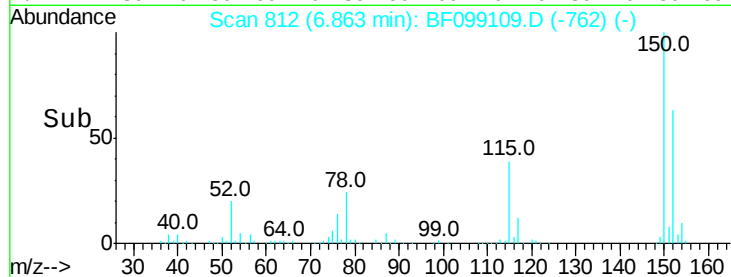
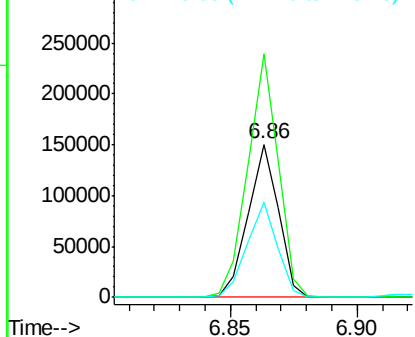
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

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



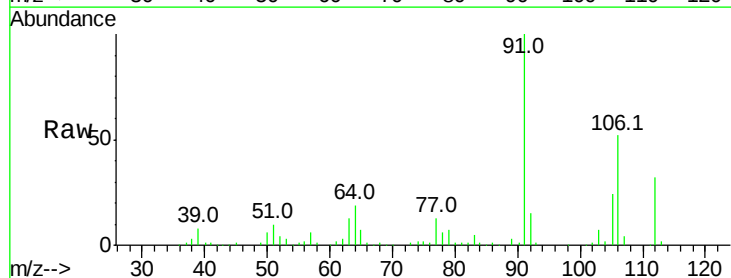
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



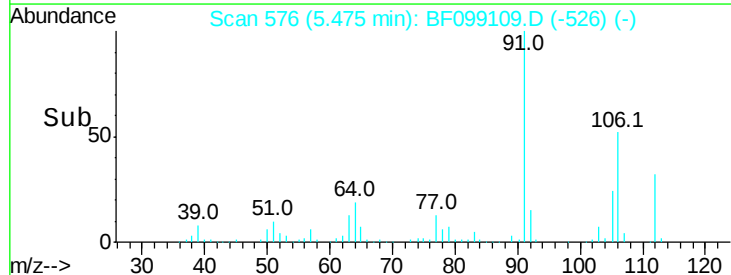
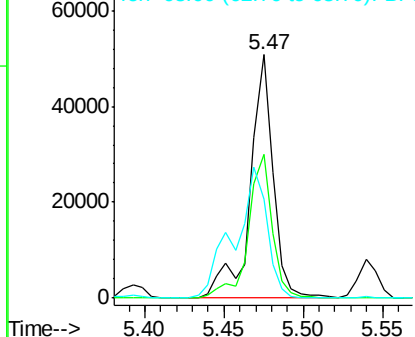
#5

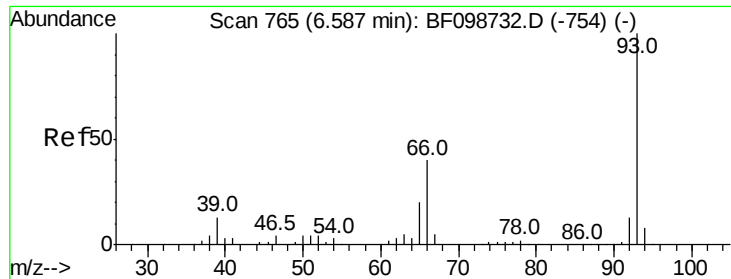
2-Fluorophenol
 Concen: 6.466 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

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 :

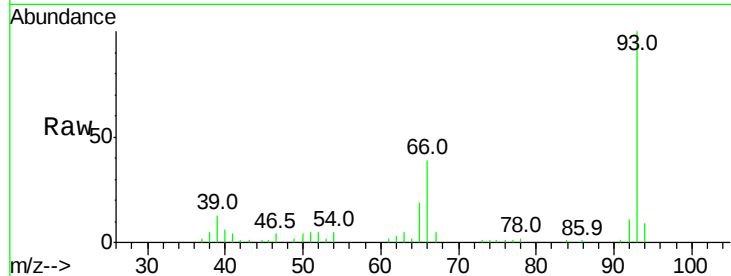
BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

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

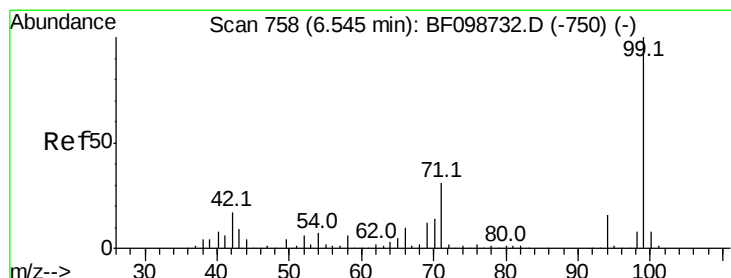
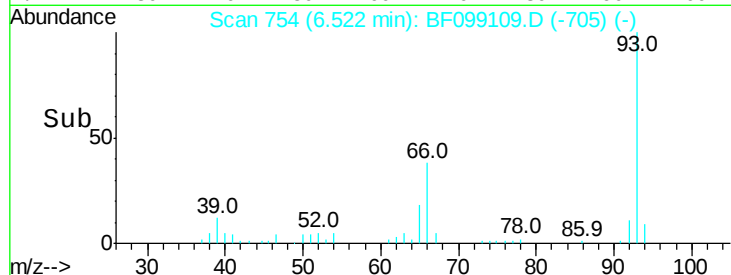
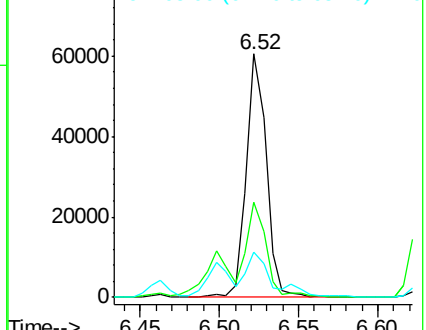


Abundance

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

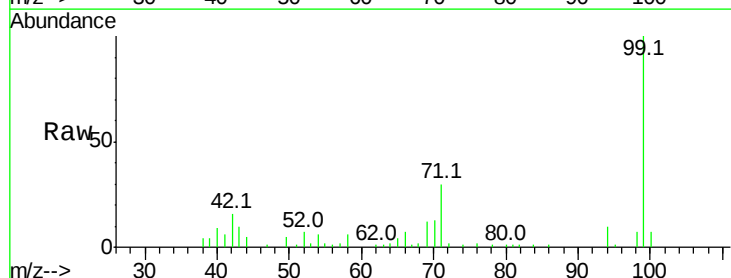
Delta R.T. -0.01 min

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

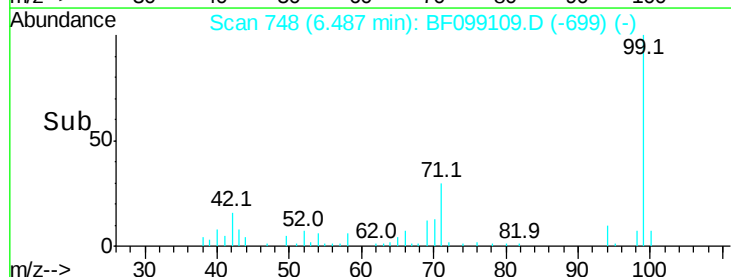
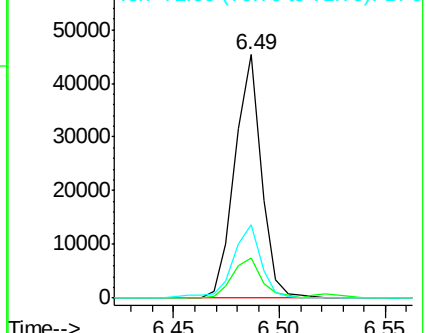


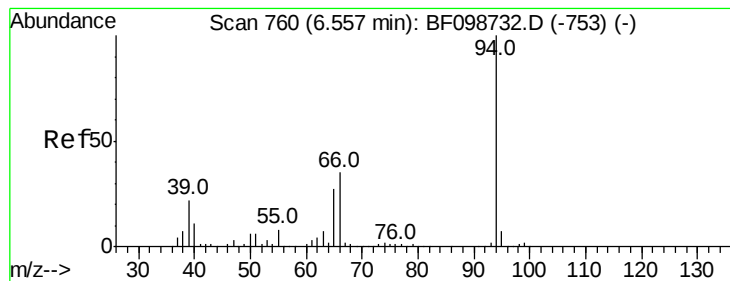
Abundance

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

ClientSampleId :

QNWP8-MW26S-GWDL

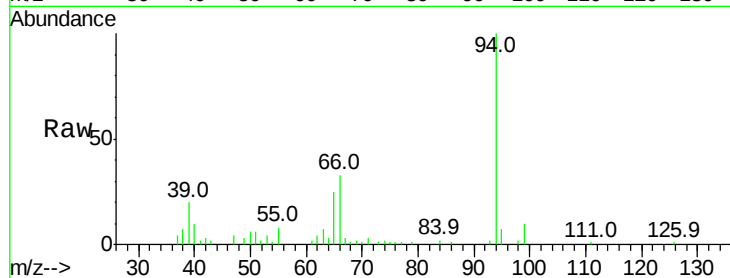
Tot Ion: 94 Resp: 36302

Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

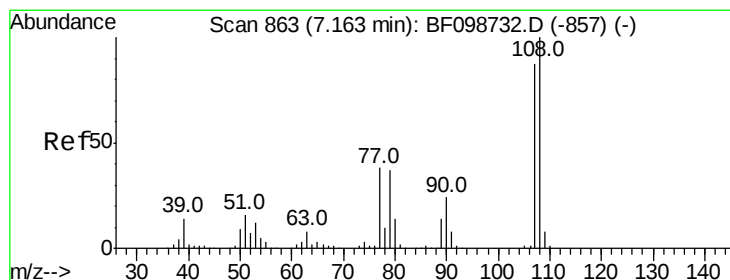
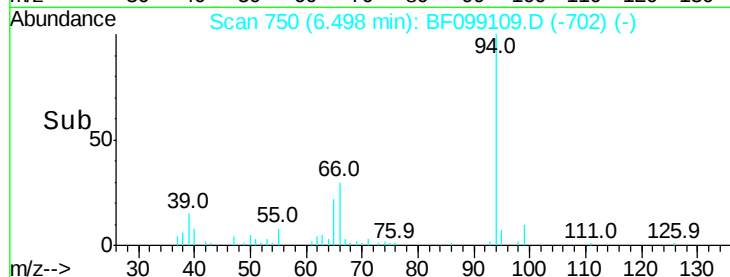
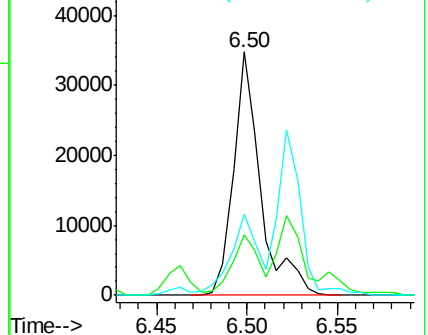
66 33.4 16.2 56.2



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



#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

Tgt Ion:107 Resp: 55218

Ion Ratio Lower Upper

107 100

108 108.6 91.7 137.5

77 40.1 33.8 50.8

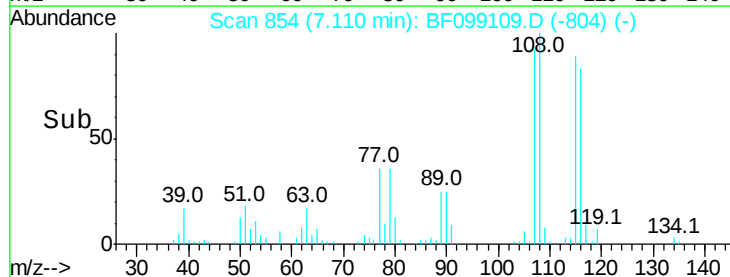
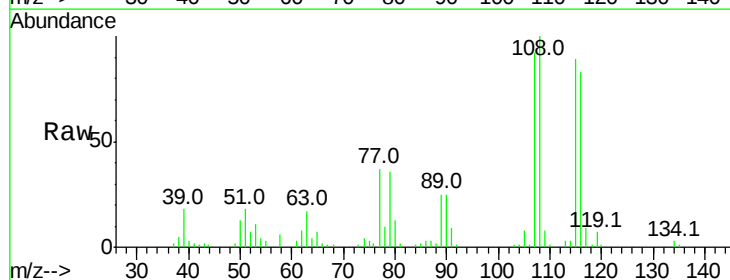
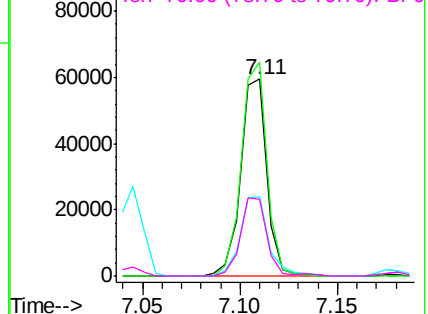
79 39.4 33.8 50.8

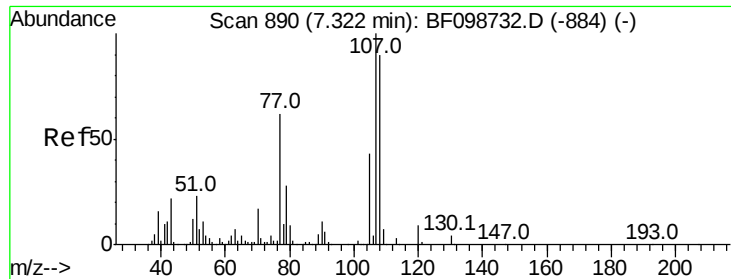
Abundance Ion 107.00 (106.70 to 107.70): E

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

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:107 Resp: 165071

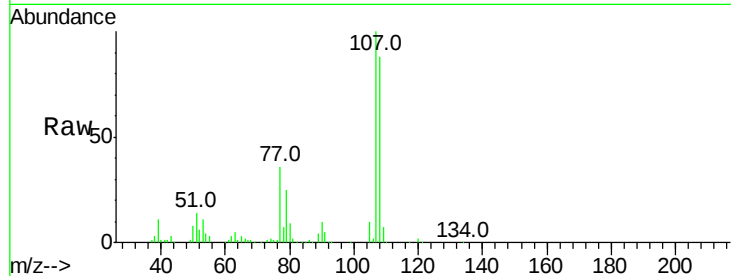
Ion Ratio Lower Upper

107 100

108 88.0 68.2 108.2

77 35.8 26.7 66.7

79 24.7 6.3 46.3

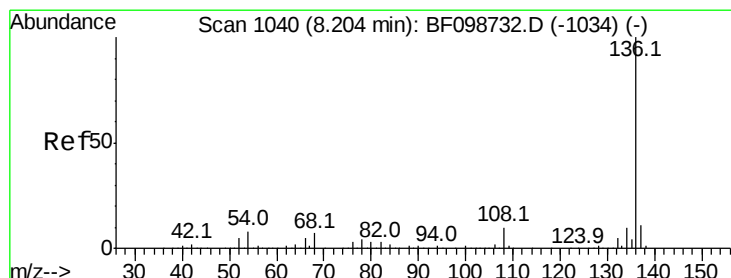
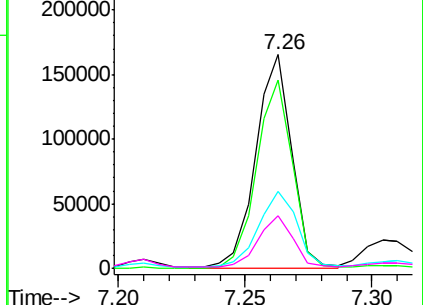
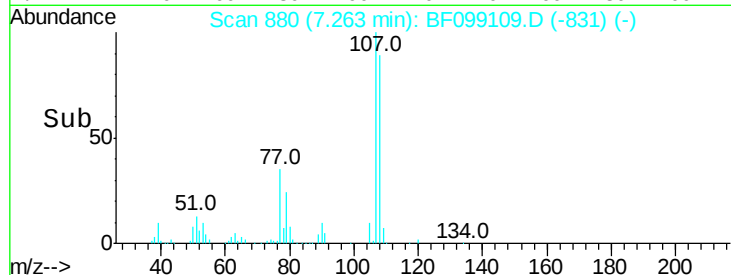


Abundance Ion 107.00 (106.70 to 107.70): E

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

Tgt Ion:136 Resp: 506600

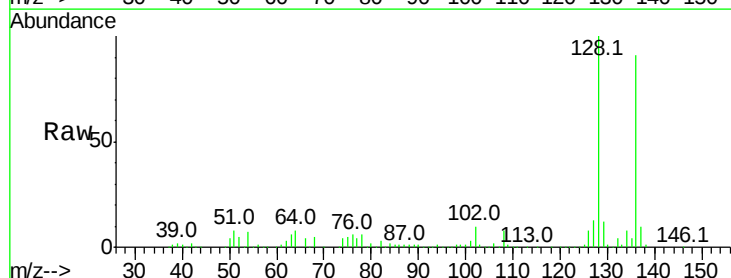
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.2 6.6 9.8

68 6.0 5.0 7.4

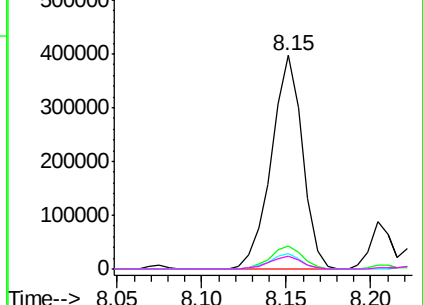
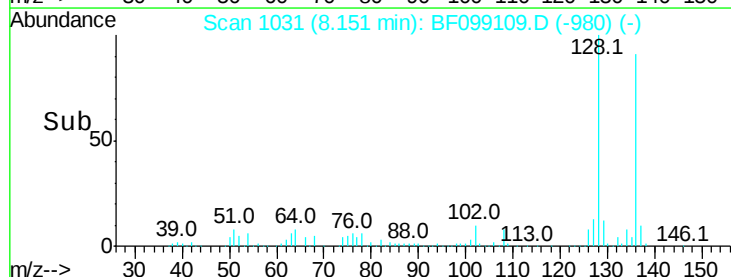


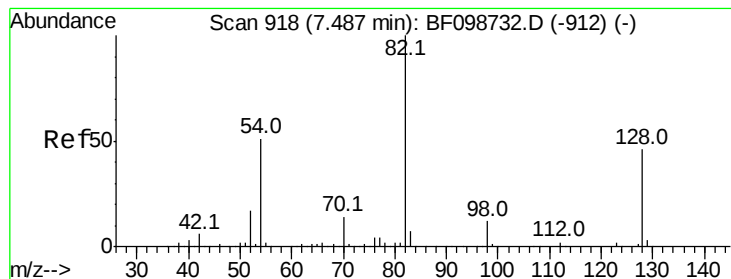
Abundance Ion 136.00 (135.70 to 136.70): E

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: 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

ClientSampleId :

QNWP8-MW26S-GWDL

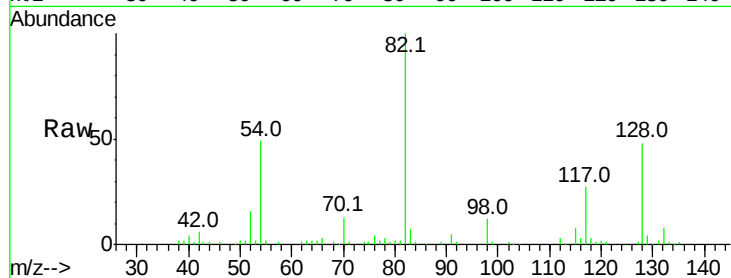
Tot Ion: 82 Resp: 75121

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

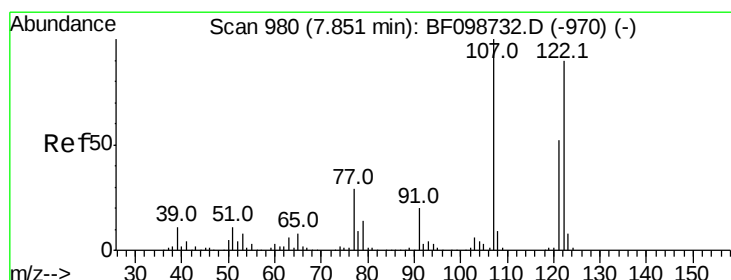
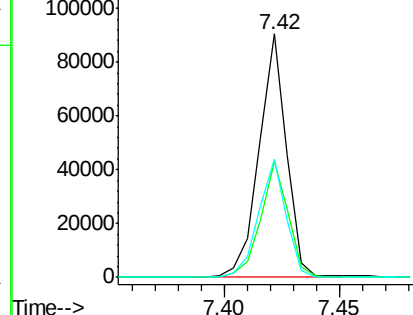
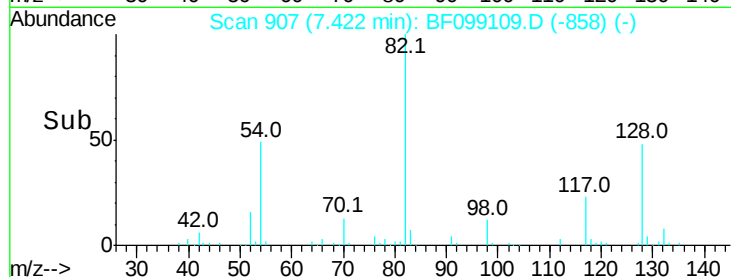
54 48.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): 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

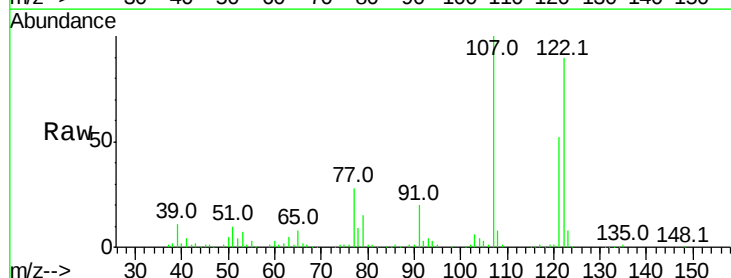
Tgt Ion:122 Resp: 277249

Ion Ratio Lower Upper

122 100

107 110.8 91.2 136.8

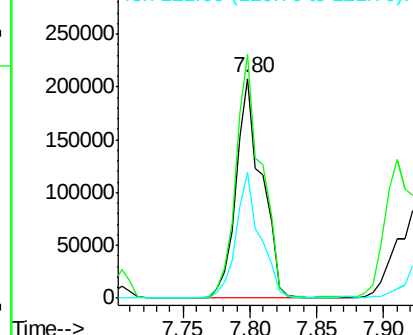
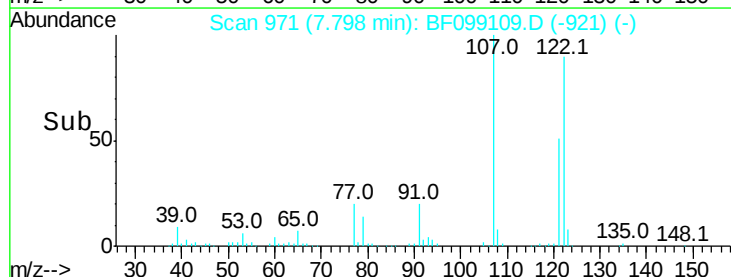
121 57.2 47.2 70.8

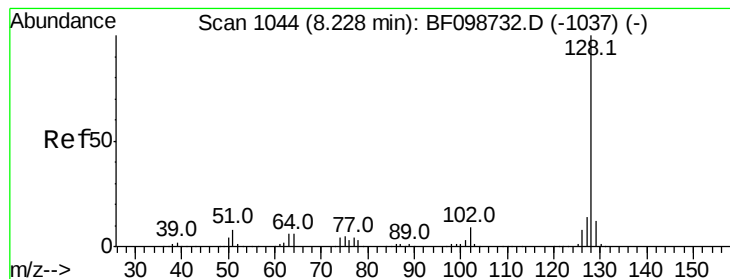


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#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

Instrument :

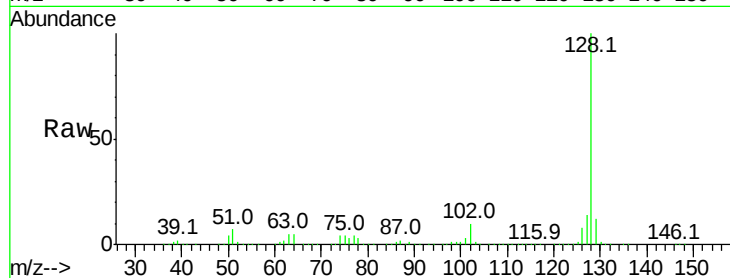
BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:128 Resp: 4492396

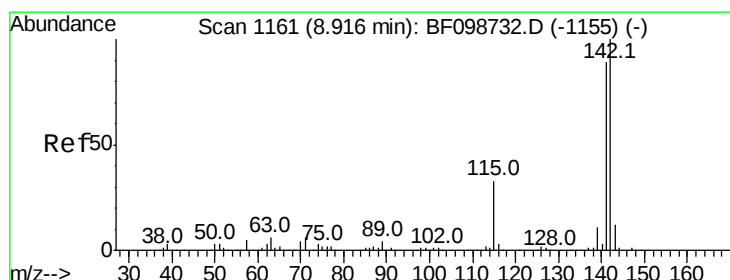
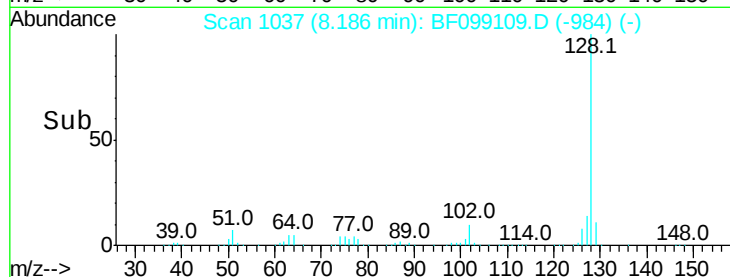
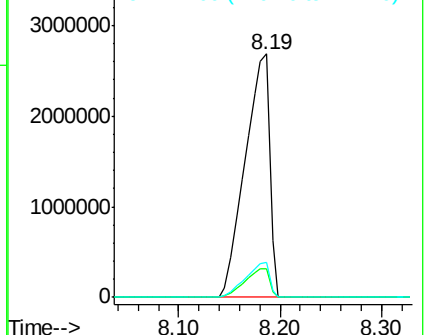
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	14.2	10.9	16.3



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



#37

2-Methylnaphthalene

Concen: 11.978 ng

RT: 8.86 min Scan# 1151

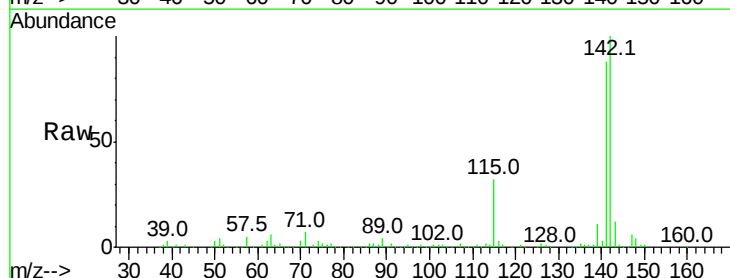
Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Tgt Ion:142 Resp: 185271

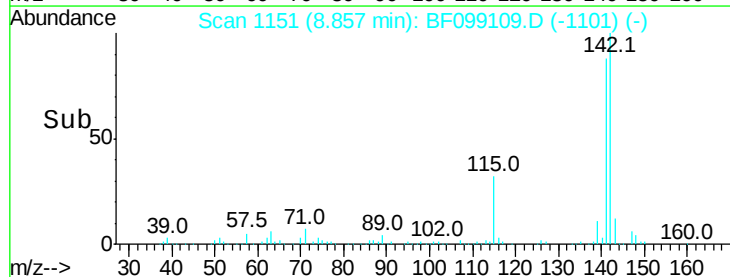
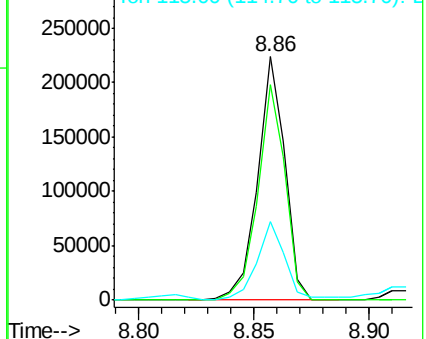
Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	32.0	26.1	39.1

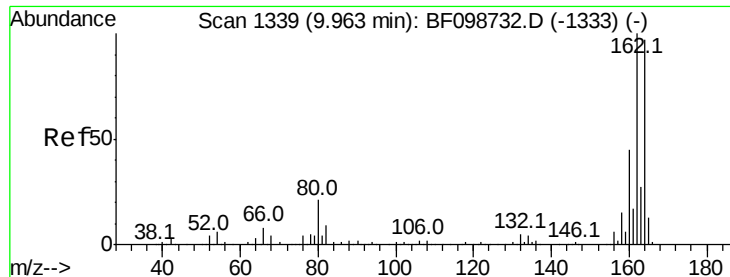


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

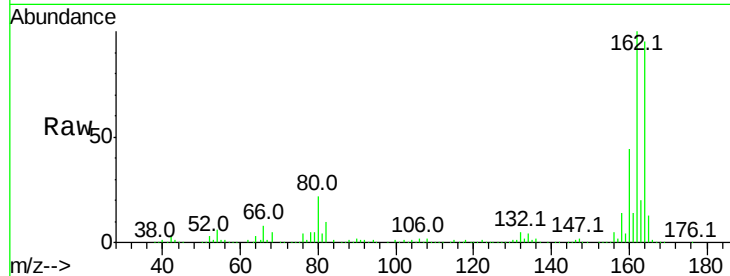




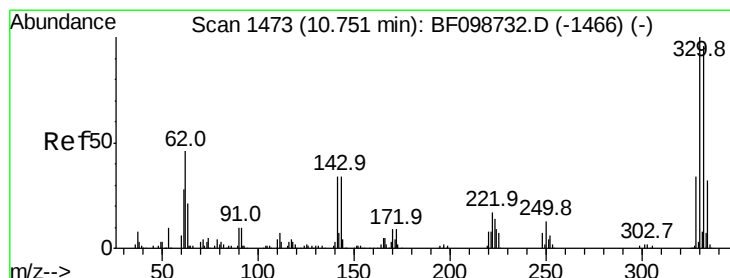
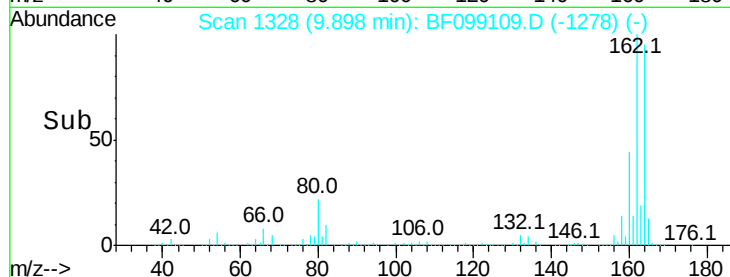
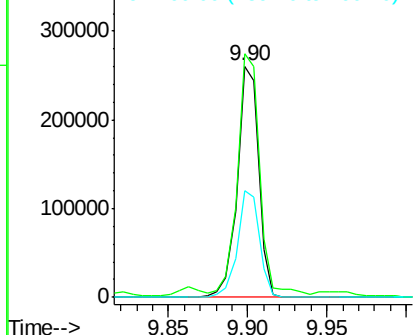
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:164 Resp: 244702
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 45.9 38.3 57.5

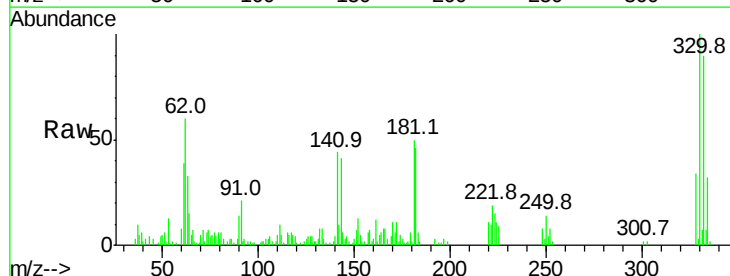


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

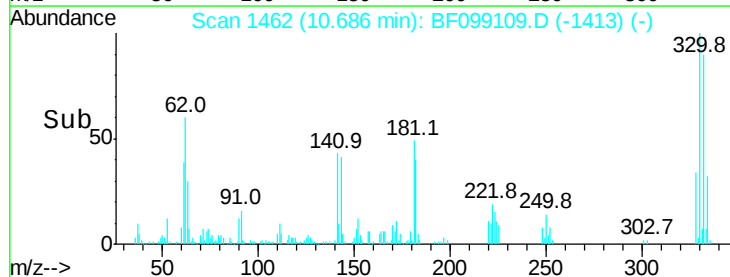
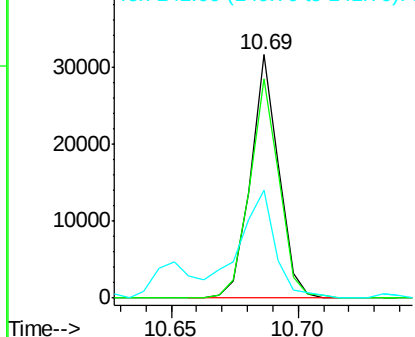


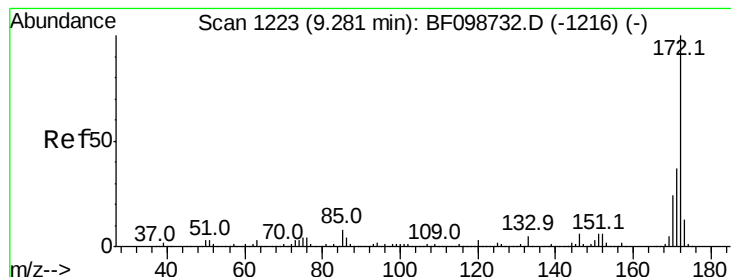
#41
2,4,6-Tribromophenol
Concen: 12.181 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF099109.D
Acq: 5 Oct 2017 17:57

Tgt 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

Instrument :

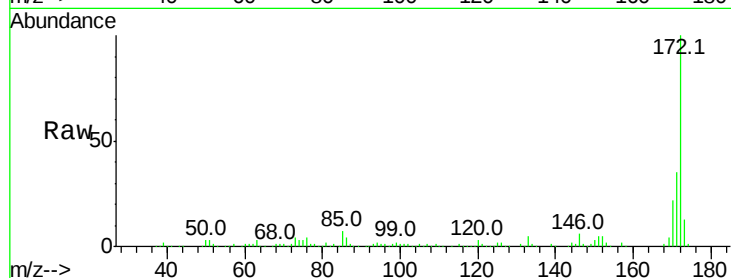
BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:172 Resp: 152920

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.2	19.6	29.4

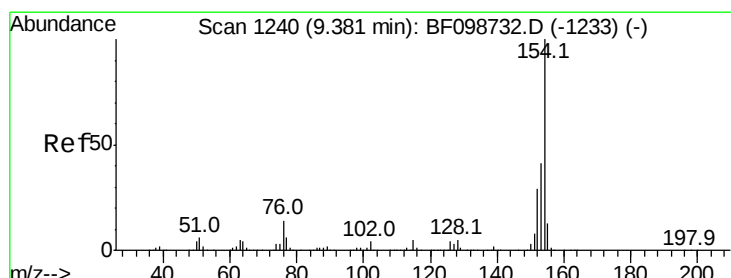
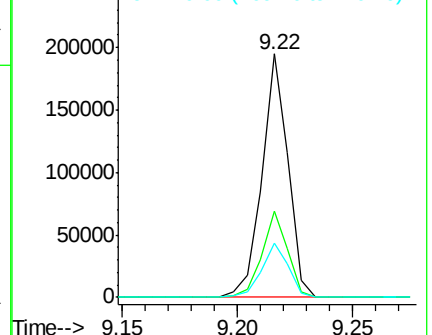
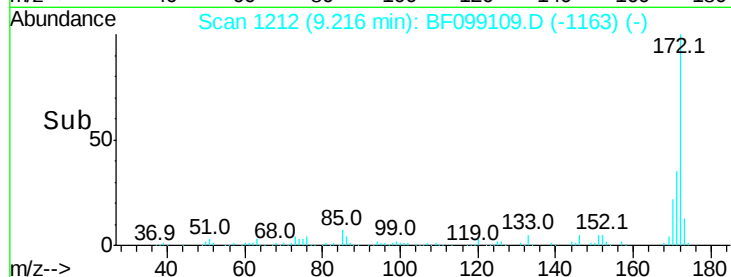


Abundance

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

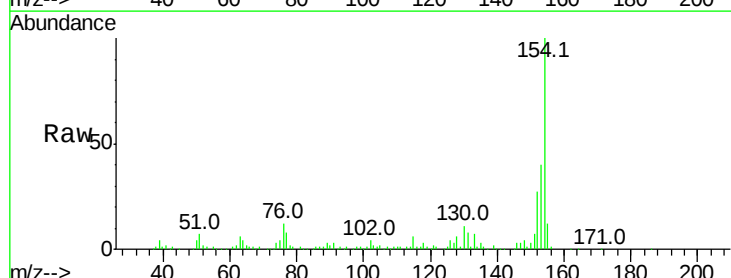
Delta R.T. -0.01 min

Lab File: BF099109.D

Acq: 5 Oct 2017 17:57

Tgt Ion:154 Resp: 104227

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.3	61.3
76	12.1	0.0	34.0

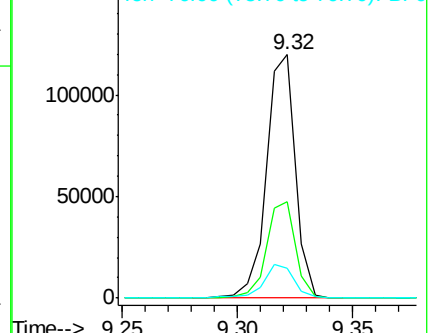
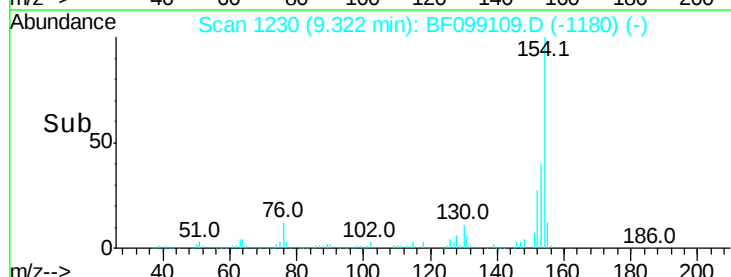


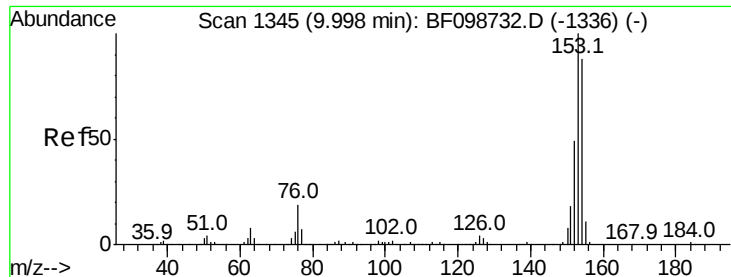
Abundance

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): BF0





#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

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

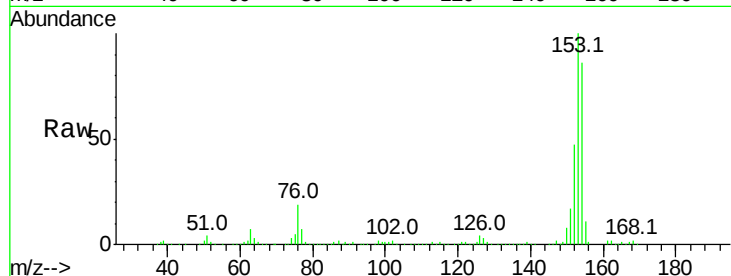
Tot Ion:154 Resp: 186685

Ion Ratio Lower Upper

154 100

153 116.0 91.2 136.8

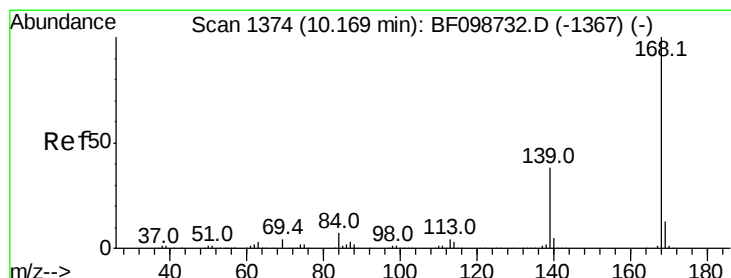
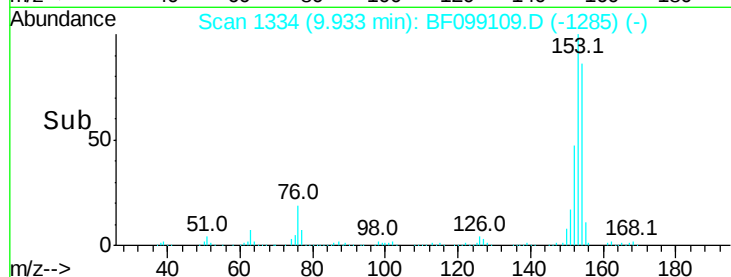
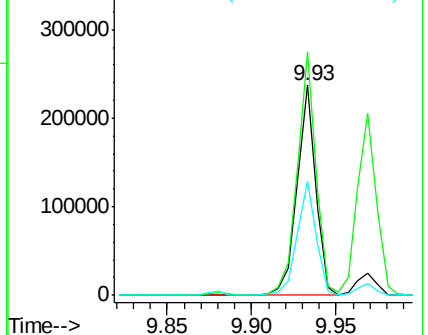
152 54.2 43.8 65.8



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



#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

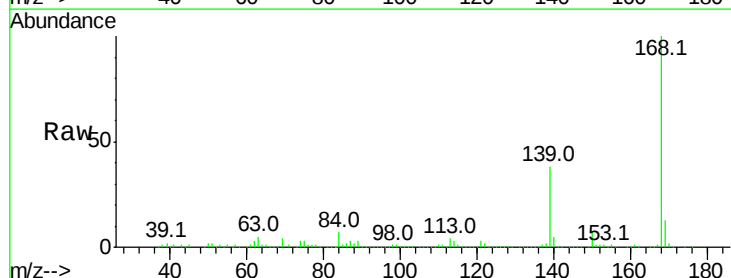
Tgt Ion:168 Resp: 220315

Ion Ratio Lower Upper

168 100

139 37.7 30.1 45.1

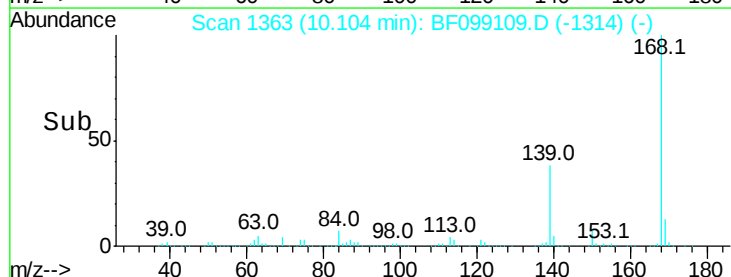
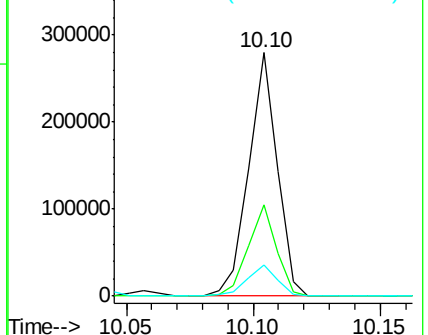
169 13.0 10.9 16.3

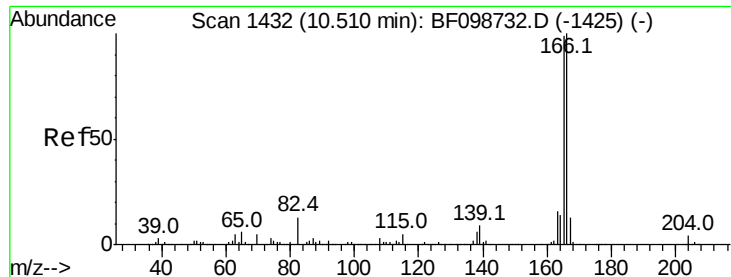


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

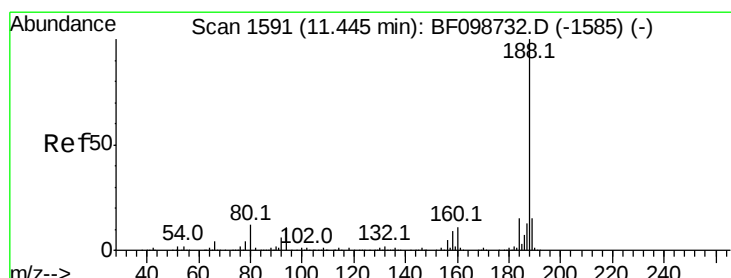
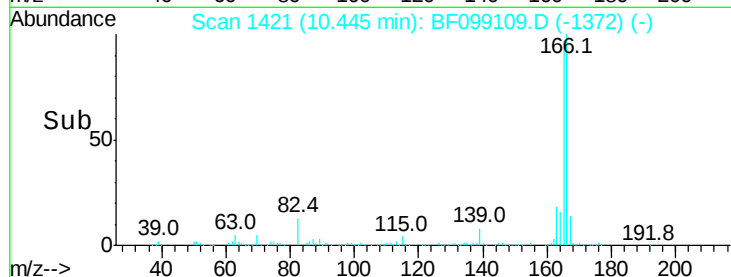
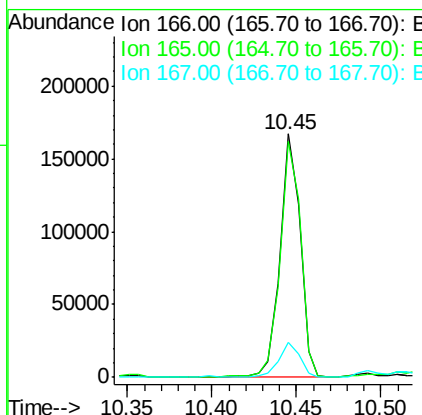
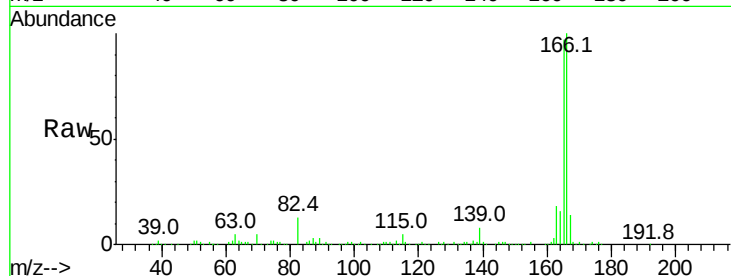




#57
 Fluorene
 Concen: 8.343 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

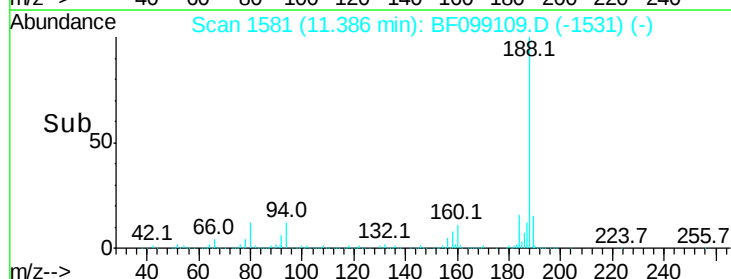
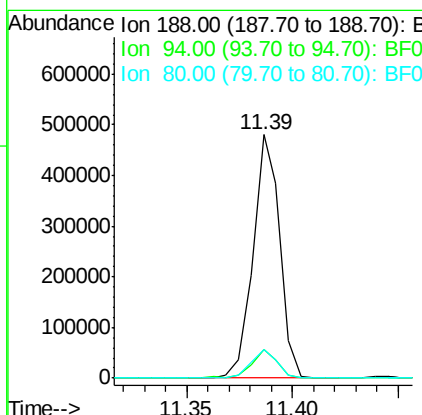
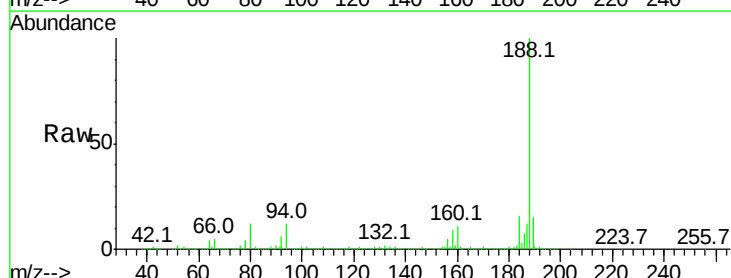
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

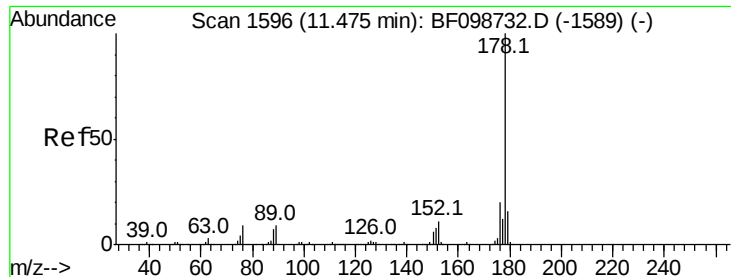
Tot Ion:166 Resp: 136708
 Ion Ratio Lower Upper
 166 100
 165 97.1 79.8 119.8
 167 14.4 10.6 16.0



#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





#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 :

QNWP8-MW26S-GWDL

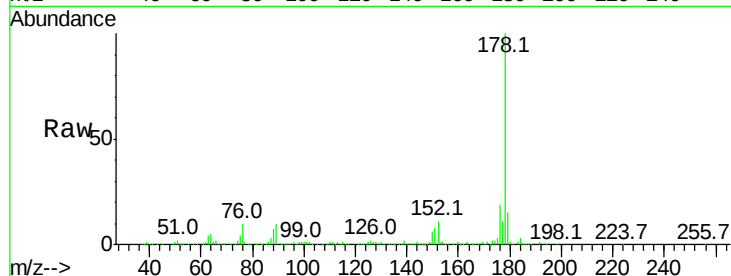
Tot Ion:178 Resp: 213695

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

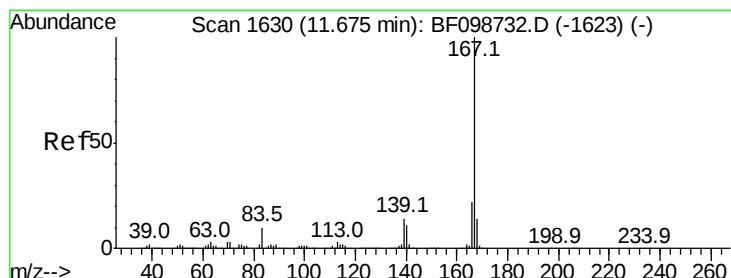
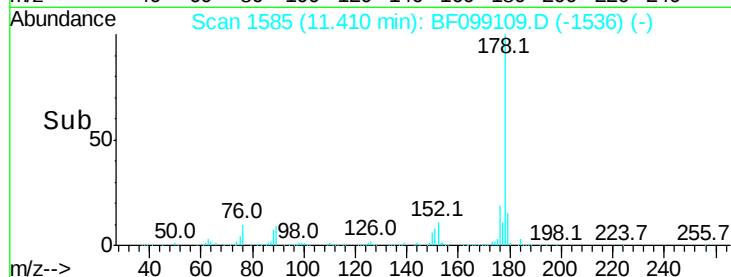
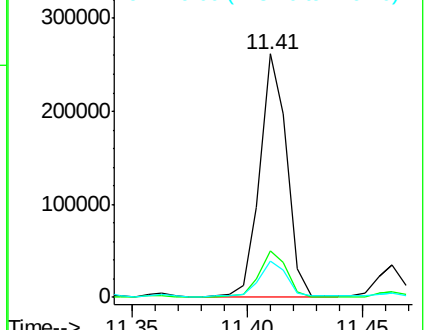
179 15.1 13.0 19.6



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

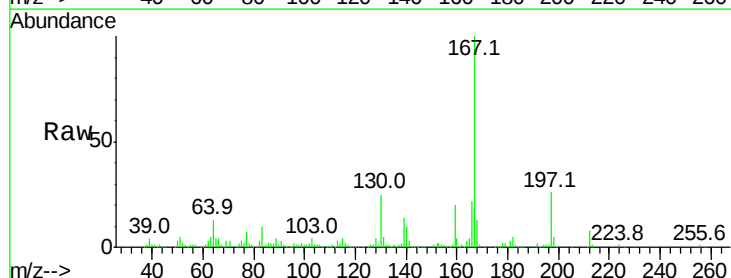
Tgt Ion:167 Resp: 147776

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

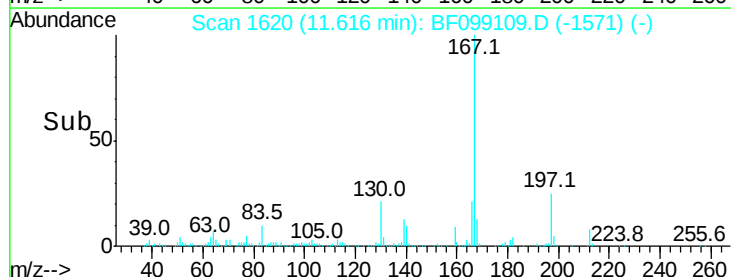
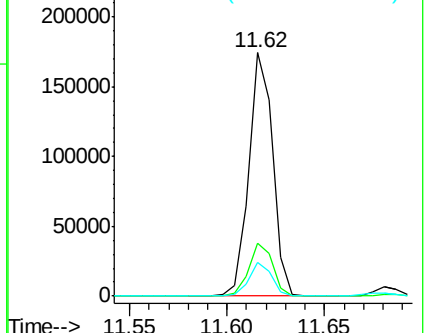
139 13.8 10.9 16.3

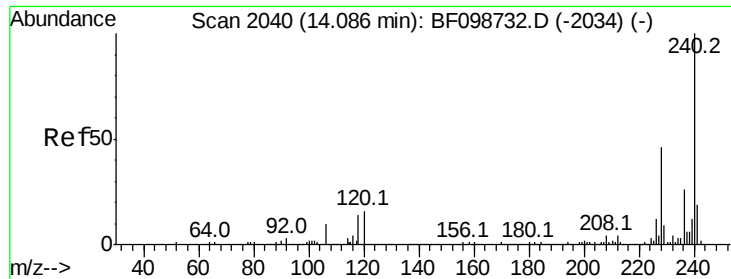


Abundance Ion 167.00 (166.70 to 167.70): E

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 :

QNWP8-MW26S-GWDL

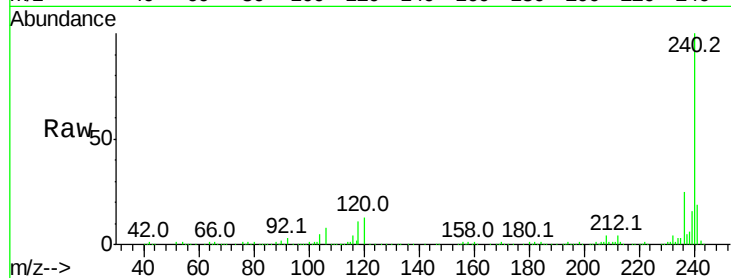
Tot Ion:240 Resp: 300554

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

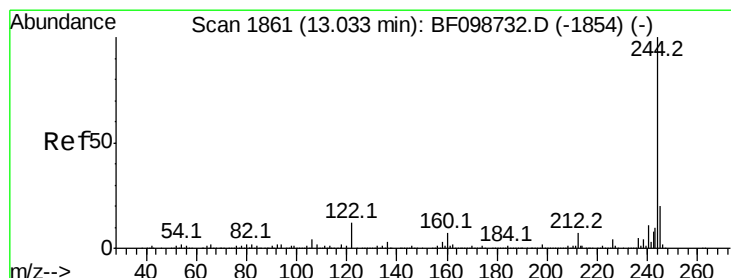
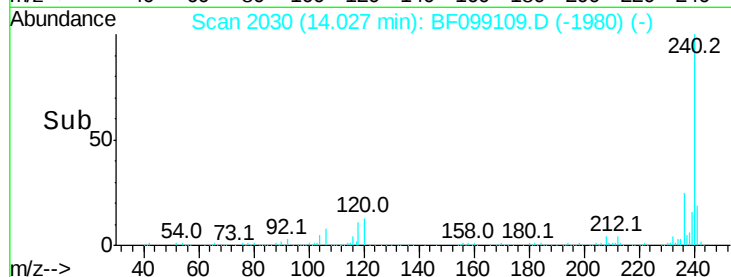
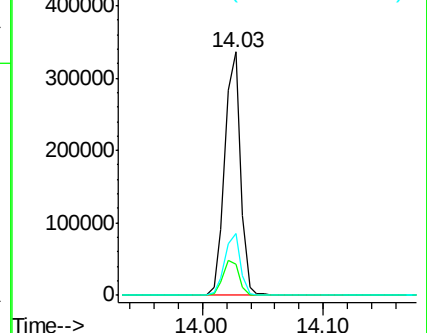
236 25.3 20.7 31.1



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

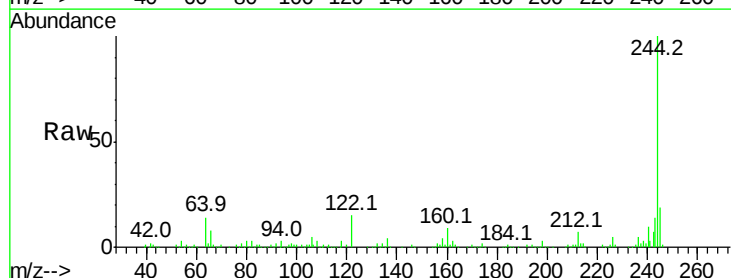
Tgt Ion:244 Resp: 110761

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

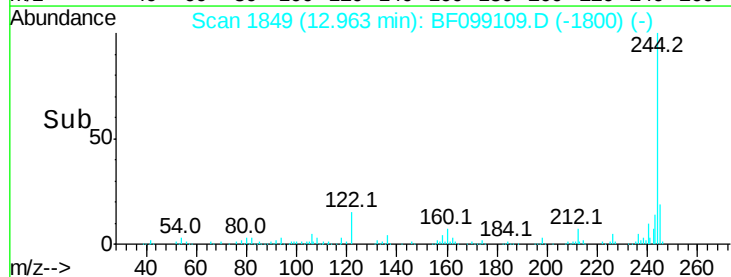
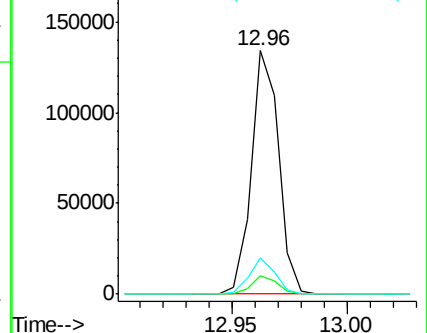
122 15.0 11.0 16.4

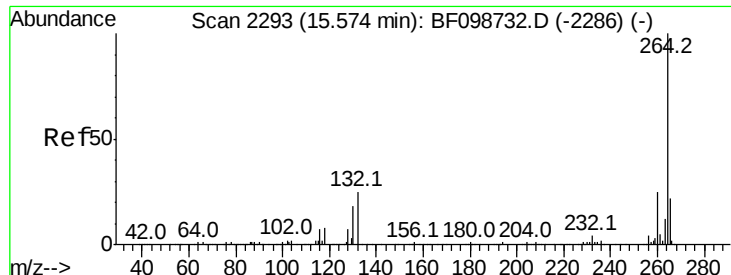


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

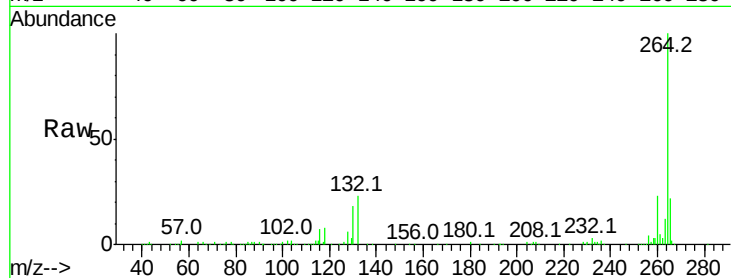




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099109.D
 Acq: 5 Oct 2017 17:57

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Tot Ion:264 Resp: 217032
 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

