

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099074.D
 Acq On : 4 Oct 2017 18:38
 Operator : SJ/JU
 Sample : I5526-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Quant Time: Oct 05 04:36:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	139828	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	176249	20.00	ng	-0.05
38) Acenaphthene-d10	9.90	164	258508	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	400289	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	258565	20.00	ng	-0.06
86) Perylene-d12	15.50	264	224799	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	336177	38.27	ng	-0.04
7) Phenol-d6	6.50	99	304740	28.12	ng	-0.05
23) Nitrobenzene-d5	7.44	82	652508	237.42	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	202701	95.83	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	1181666	76.31	ng	-0.05
78) Terphenyl-d14	12.98	244	916441	80.61	ng	-0.05

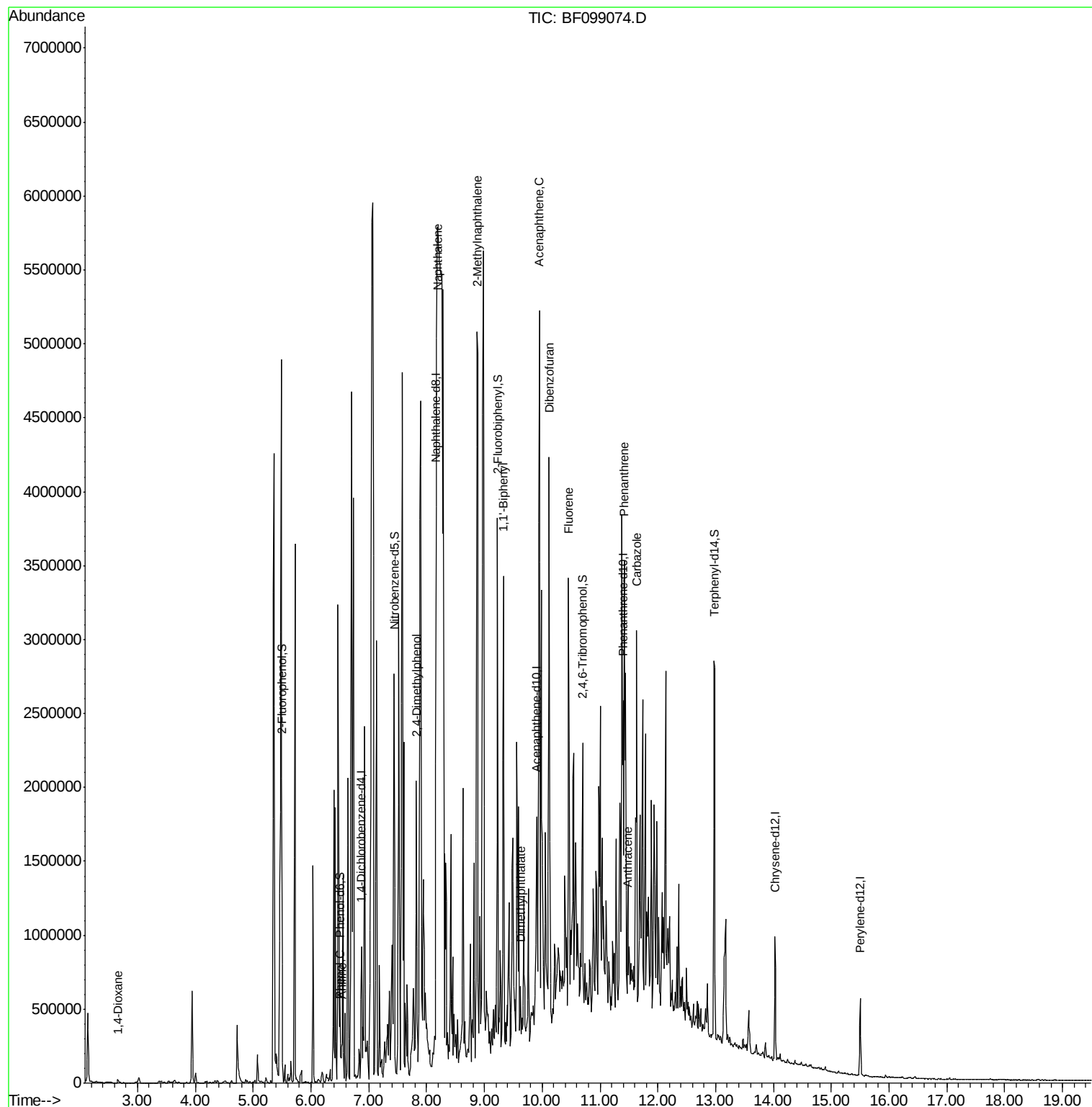
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.66	88	14292	3.406	ng	# 96
6) Aniline	6.53	93	109372	7.479	ng	97
10) Phenol	6.52	94	55119	4.548	ng	87
27) 2,4-Dimethylphenol	7.83	122	92596	32.705	ng	88
31) Naphthalene	8.19	128	17201075	2077.989	ng	97
37) 2-Methylnaphthalene	8.87	142	1965890	365.324	ng	98
45) 1,1'-Biphenyl	9.33	154	955774	43.020	ng	99
49) Dimethylphthalate	9.62	163	135626	6.951	ng	99
51) Acenaphthene	9.95	154	1650619	102.042	ng	99
54) Dibenzofuran	10.12	168	1813619	84.208	ng	99
57) Fluorene	10.46	166	871512	50.345	ng	98
70) Phenanthrene	11.42	178	954362	44.541	ng	100
71) Anthracene	11.47	178	64067	2.922	ng	96
72) Carbazole	11.63	167	805055	37.499	ng	99

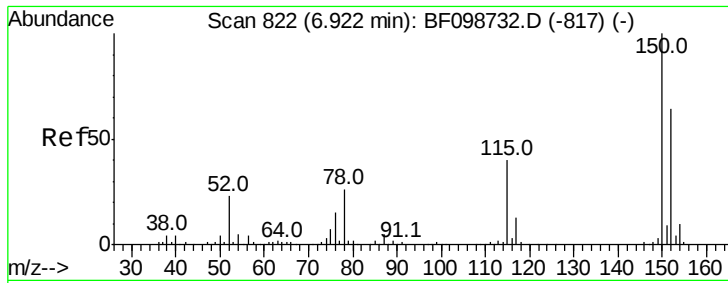
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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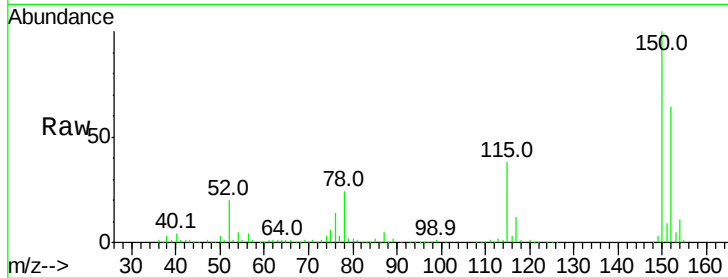


#1

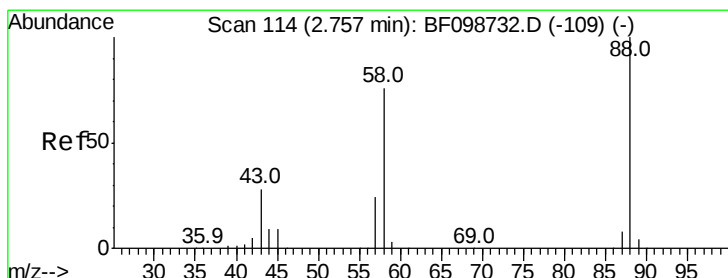
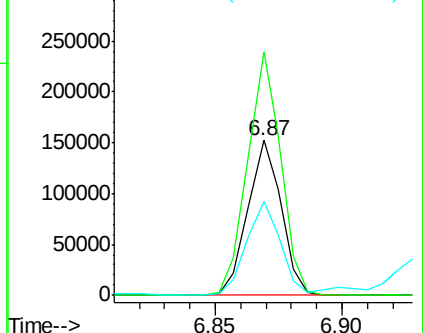
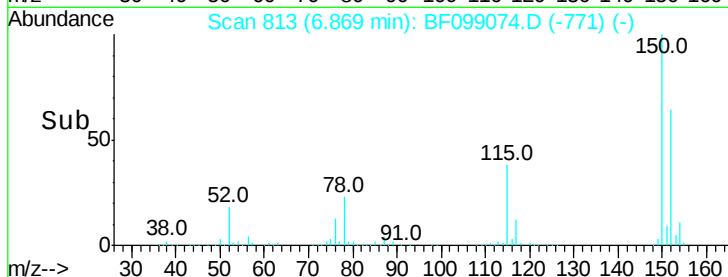
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.05 min
 Lab File: BF099074.D
 Acq: 4 Oct 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion:152 Resp: 139828
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.6 186.8
 115 60.3 50.1 75.1



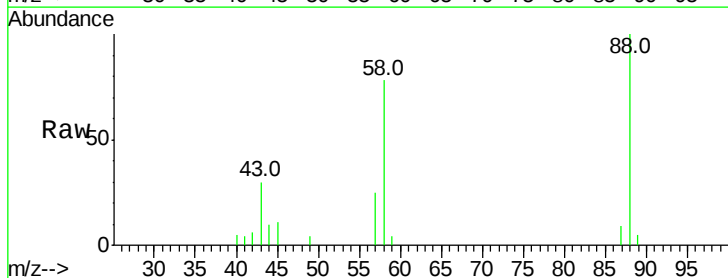
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



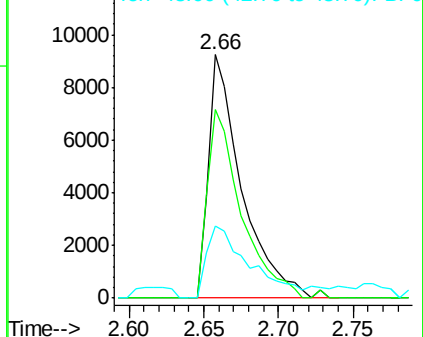
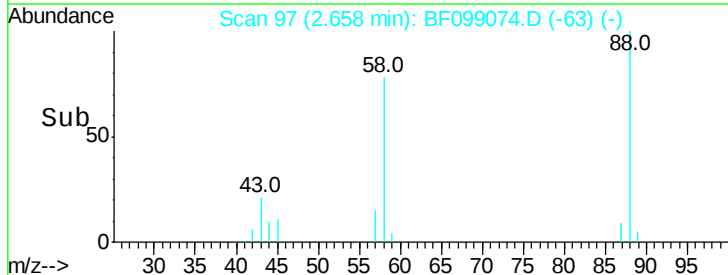
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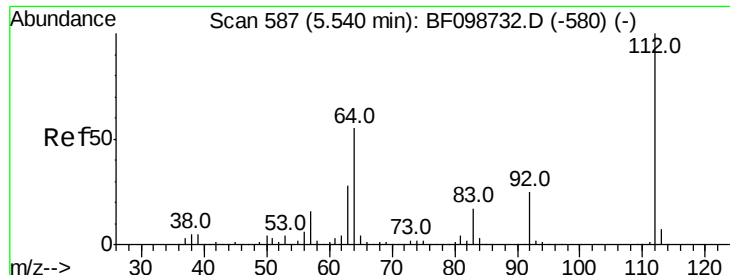
1,4-Dioxane
 Concen: 3.406 ng
 RT: 2.66 min Scan# 97
 Delta R.T. -0.10 min
 Lab File: BF099074.D
 Acq: 4 Oct 2017 18:38

Tgt Ion: 88 Resp: 14292
 Ion Ratio Lower Upper
 88 100
 58 78.5 62.6 93.8
 43 38.4 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 38.273 ng

RT: 5.50 min Scan# 580

Delta R.T. -0.04 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

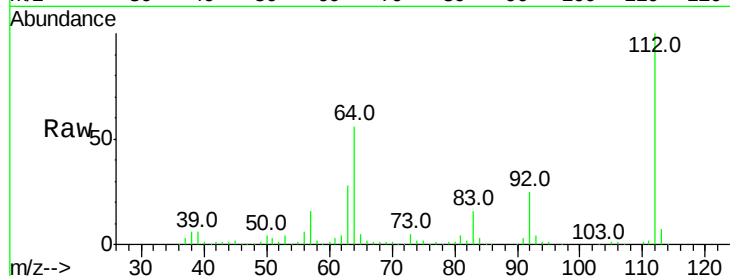
Tot Ion:112 Resp: 336177

Ion Ratio Lower Upper

112 100

64 56.2 47.9 71.9

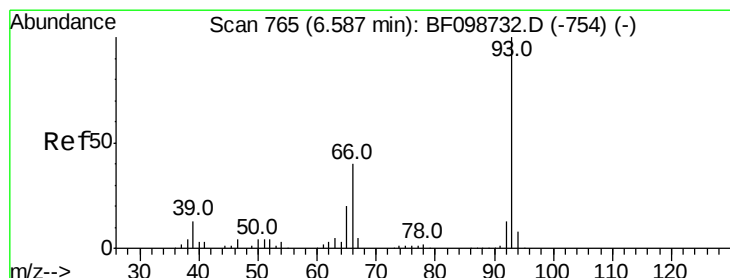
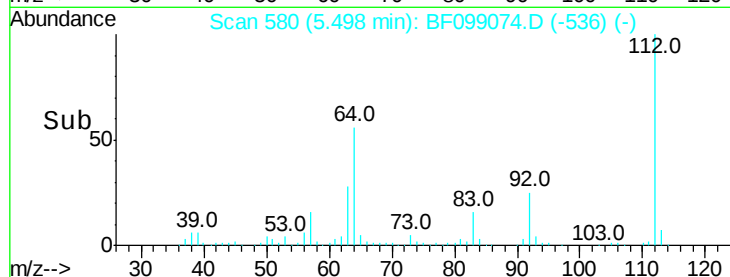
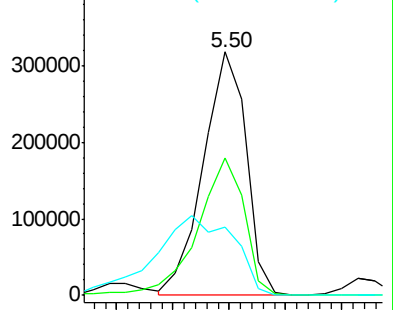
63 28.3 23.7 35.5



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: 7.479 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

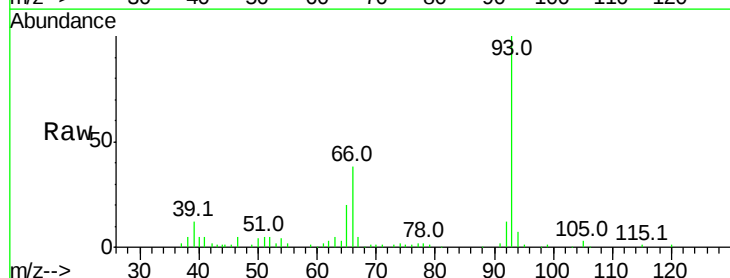
Tgt Ion: 93 Resp: 109372

Ion Ratio Lower Upper

93 100

66 37.6 32.2 48.2

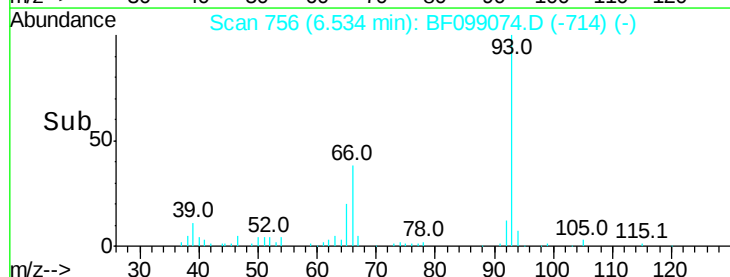
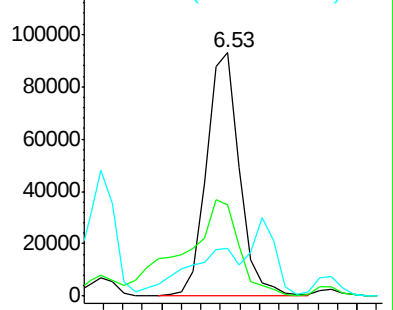
65 19.8 16.4 24.6

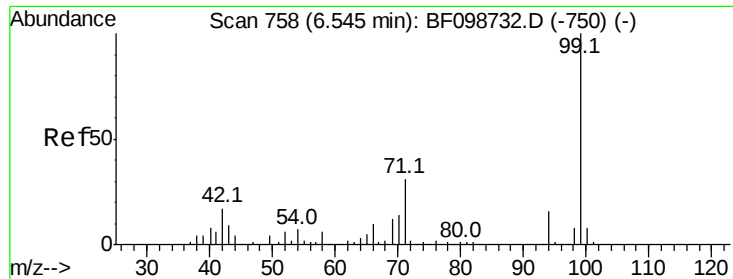


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 28.124 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

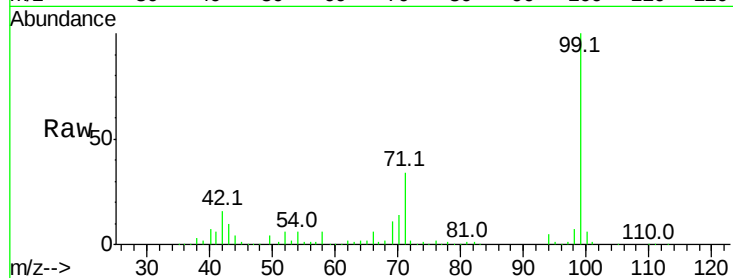
Tot Ion: 99 Resp: 304740

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

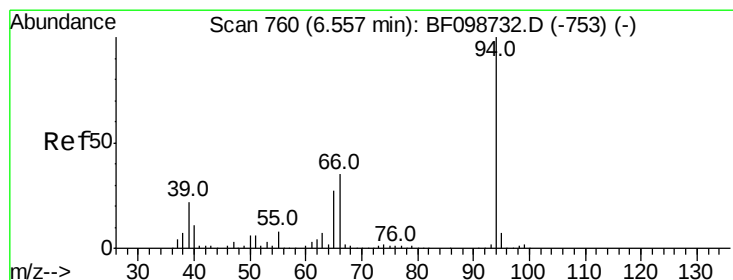
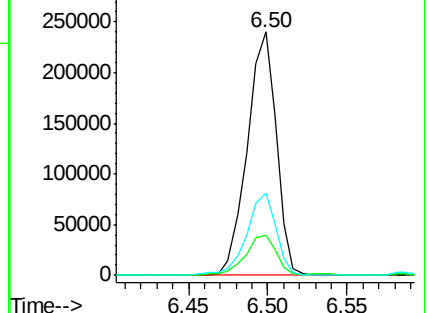
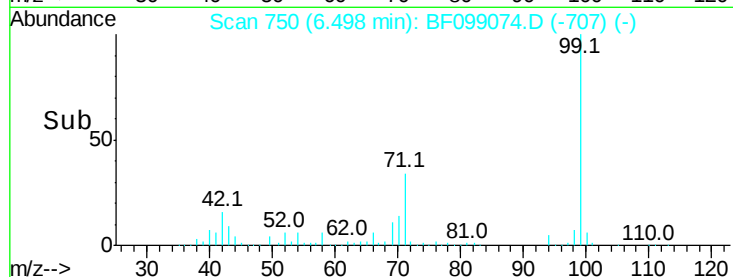
71 33.8 25.4 38.0



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: 4.548 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

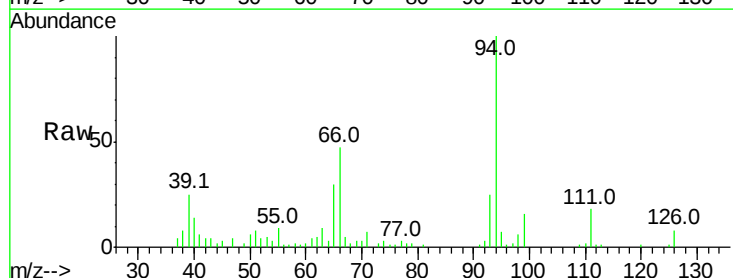
Tgt Ion: 94 Resp: 55119

Ion Ratio Lower Upper

94 100

65 30.4 7.9 47.9

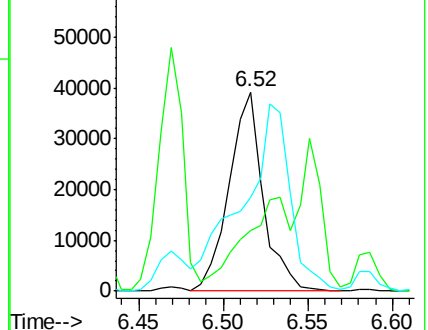
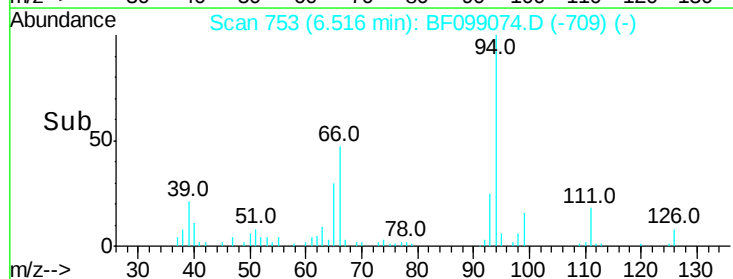
66 47.1 16.2 56.2

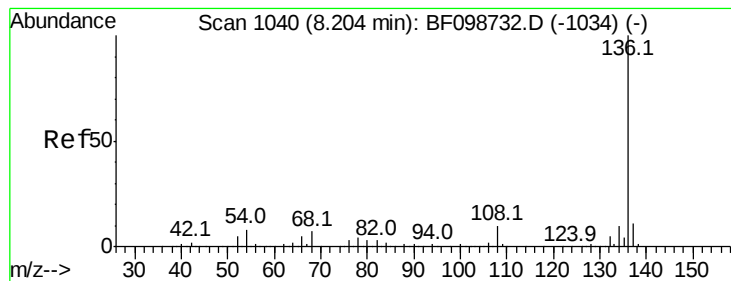


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:136 Resp: 176249

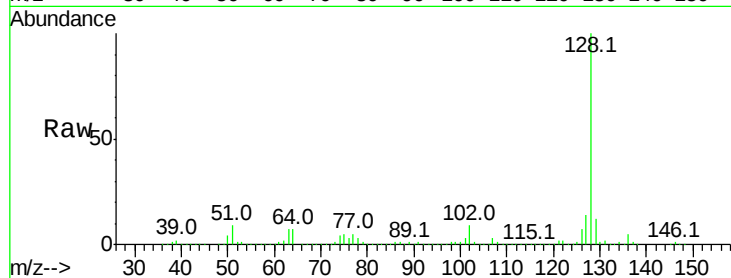
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 8.4 6.6 9.8

68 7.3 5.0 7.4

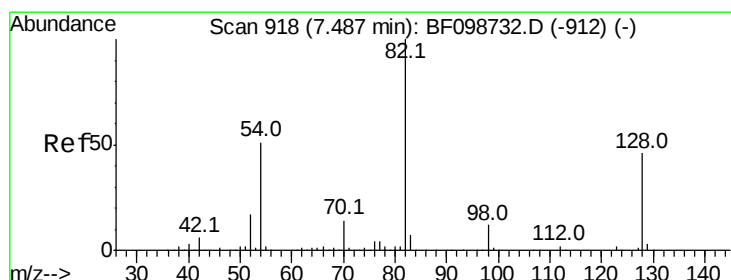
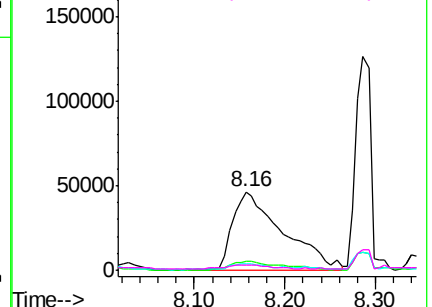
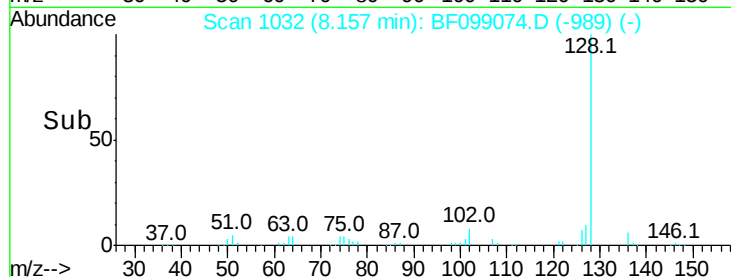


Abundance Ion 136.00 (135.70 to 136.70): E

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: 237.422 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

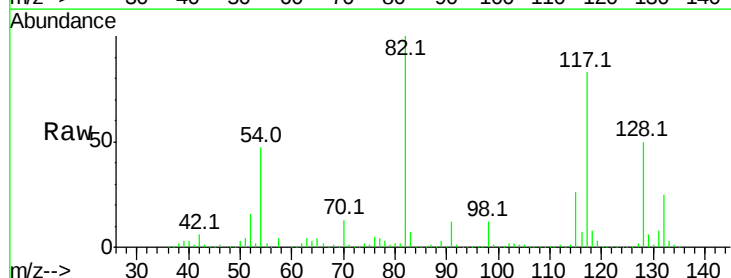
Tgt Ion: 82 Resp: 652508

Ion Ratio Lower Upper

82 100

128 50.0 36.1 54.1

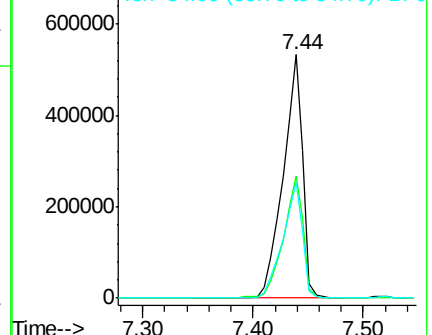
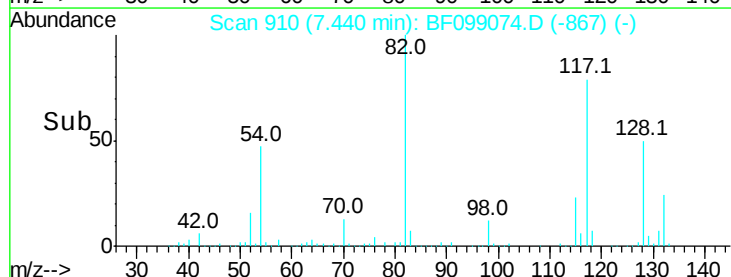
54 47.3 41.4 62.2

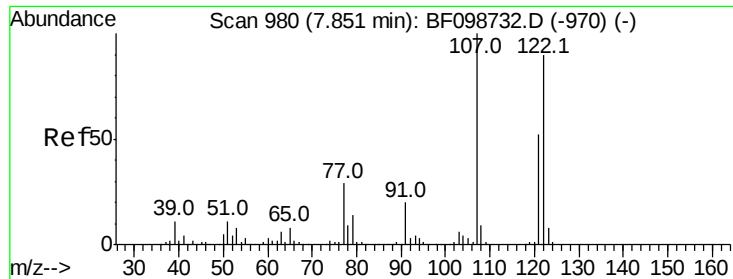


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

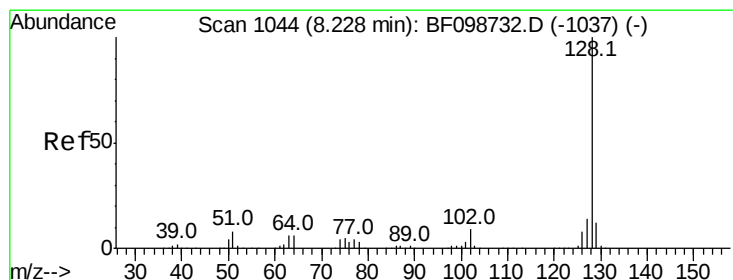
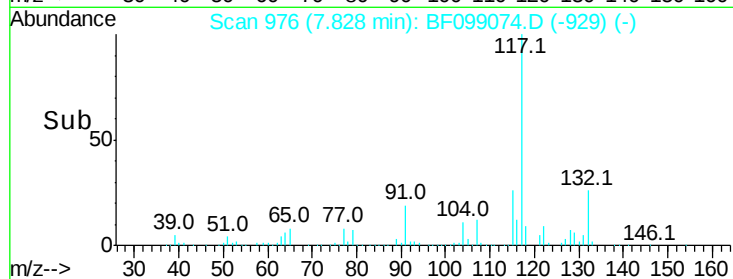
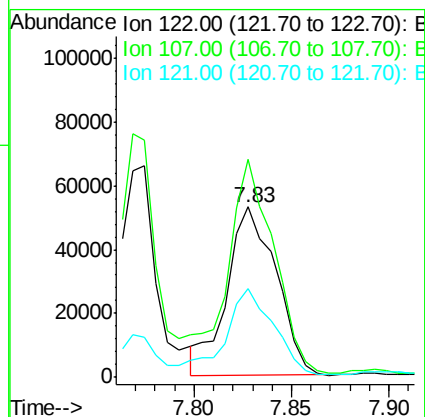
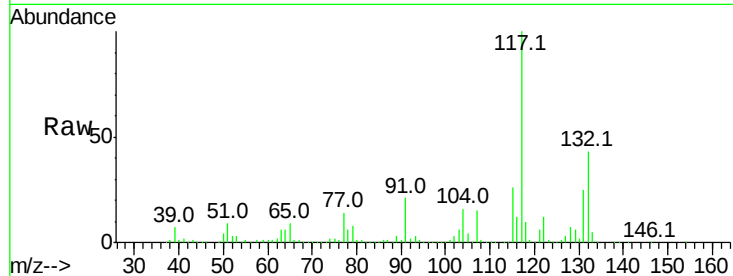




#27
2,4-Dimethylphenol
Concen: 32.705 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF099074.D
Acq: 4 Oct 2017 18:38

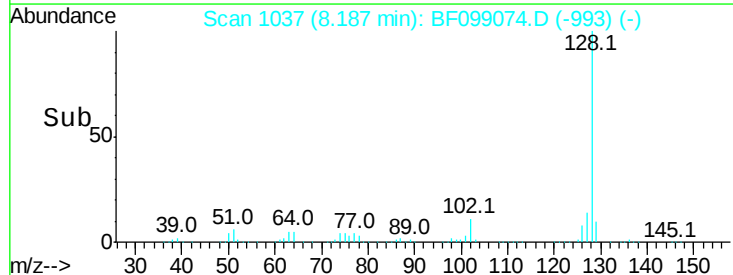
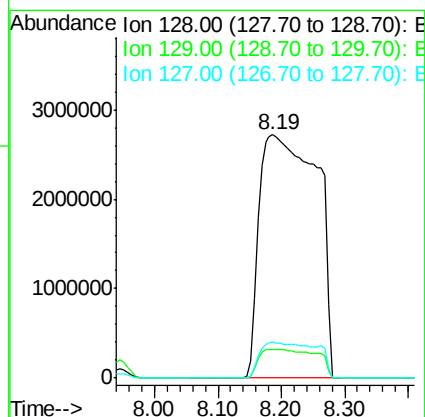
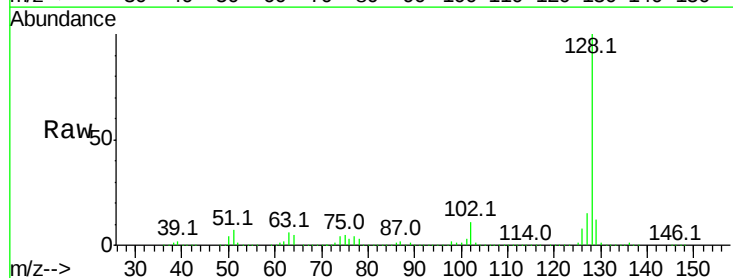
Instrument :
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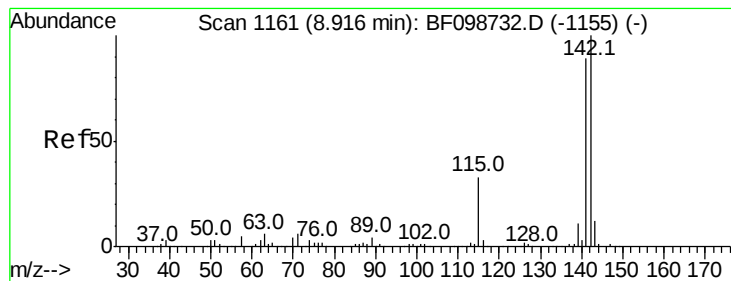
Tot Ion:122 Resp: 92596
Ion Ratio Lower Upper
122 100
107 128.0 91.2 136.8
121 51.9 47.2 70.8



#31
Naphthalene
Concen: 2077.989 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.04 min
Lab File: BF099074.D
Acq: 4 Oct 2017 18:38

Tgt Ion:128 Resp:17201075
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.6 10.9 16.3





#37

2-Methylnaphthalene

Concen: 365.324 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.04 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

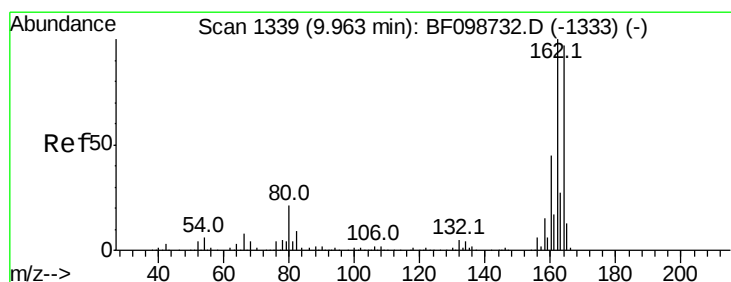
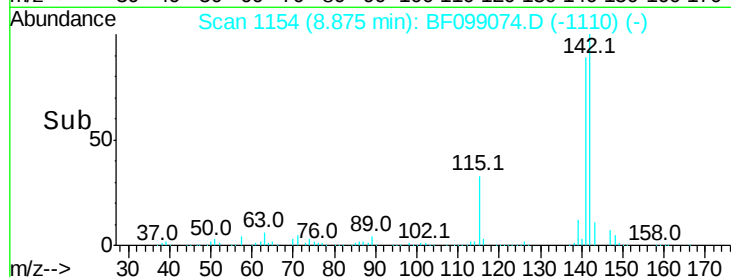
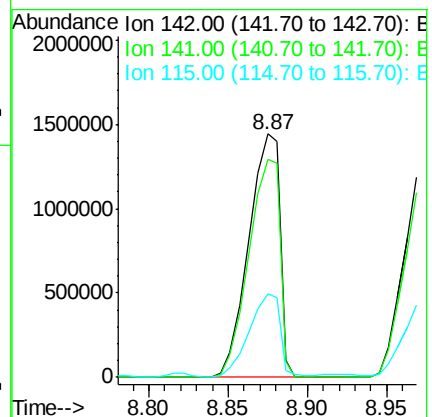
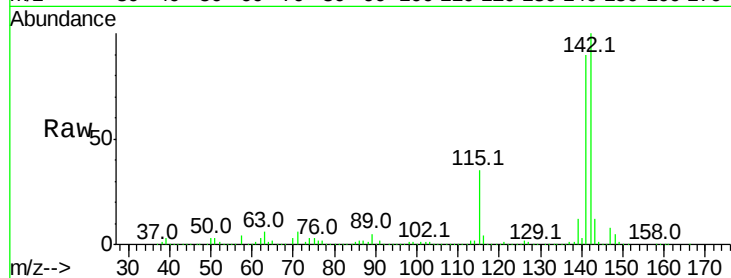
Tot Ion:142 Resp: 1965890

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2

115 34.5 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.06 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

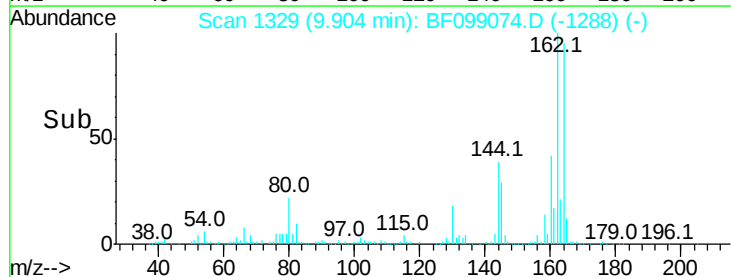
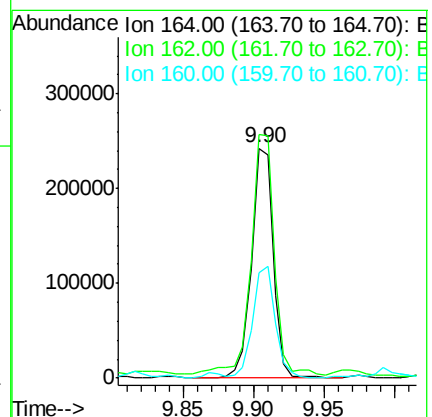
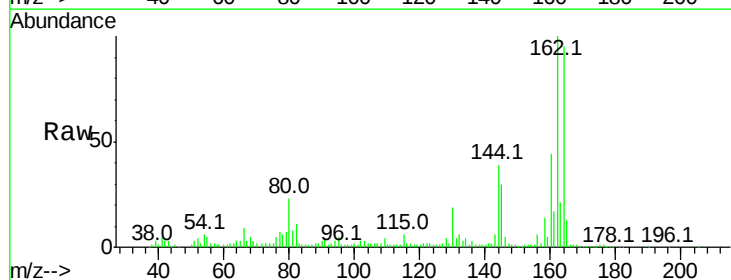
Tgt Ion:164 Resp: 258508

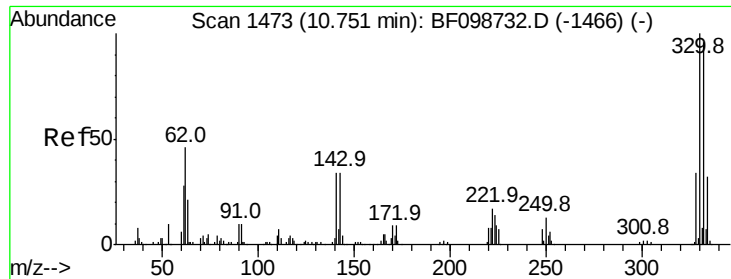
Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

160 46.1 38.3 57.5

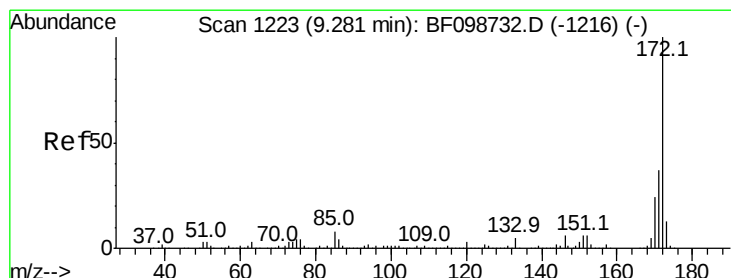
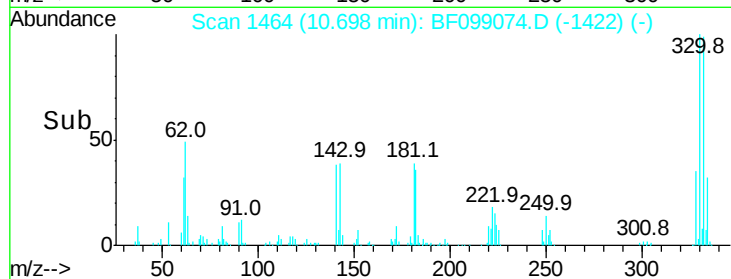
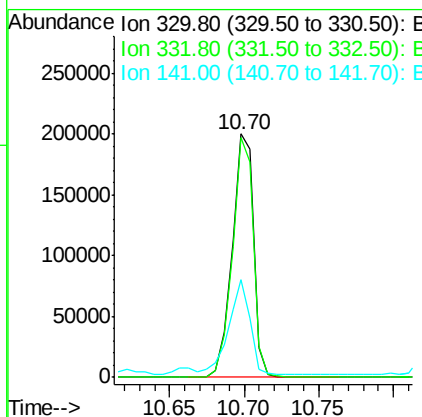
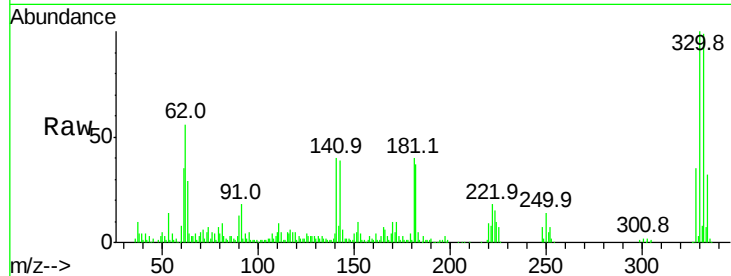




#41
 2,4,6-Tribromophenol
 Concen: 95.826 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099074.D
 Acq: 4 Oct 2017 18:38

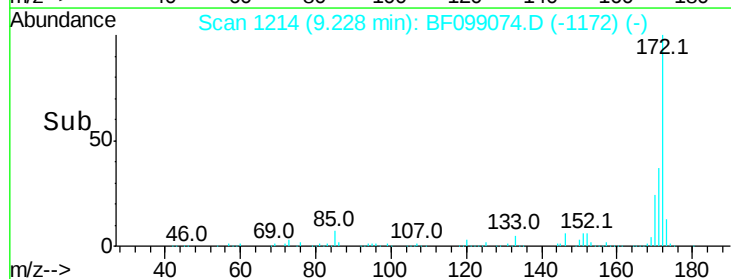
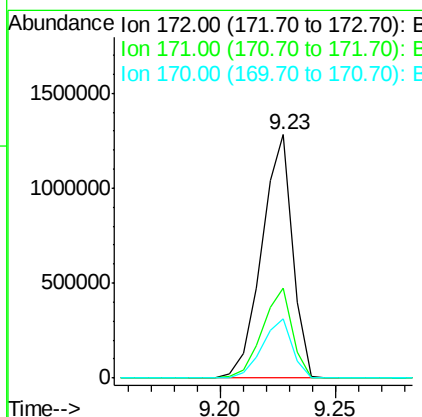
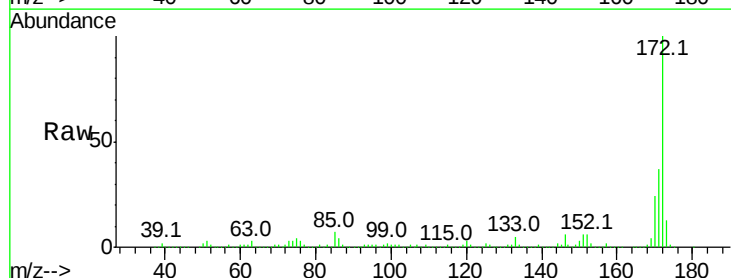
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

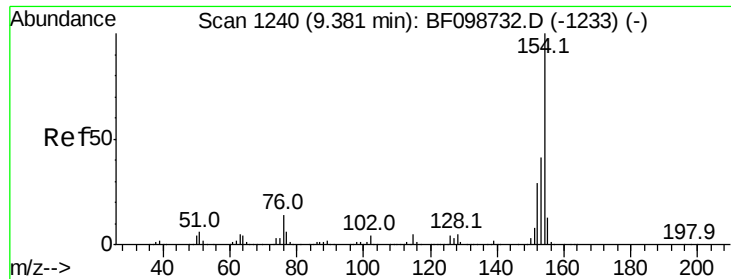
Tot Ion:330 Resp: 202701
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 39.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 76.311 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099074.D
 Acq: 4 Oct 2017 18:38

Tgt Ion:172 Resp: 1181666
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.3 19.6 29.4





#45

1,1'-Biphenyl

Concen: 43.020 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

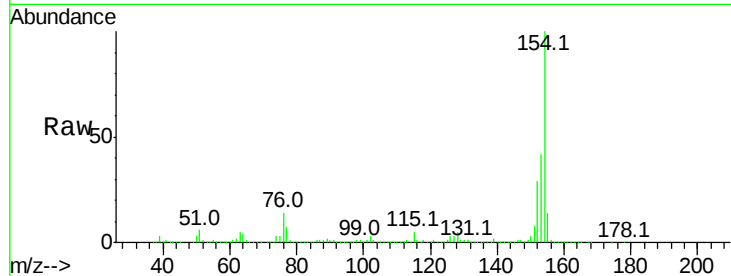
Tot Ion:154 Resp: 955774

Ion Ratio Lower Upper

154 100

153 41.7 21.3 61.3

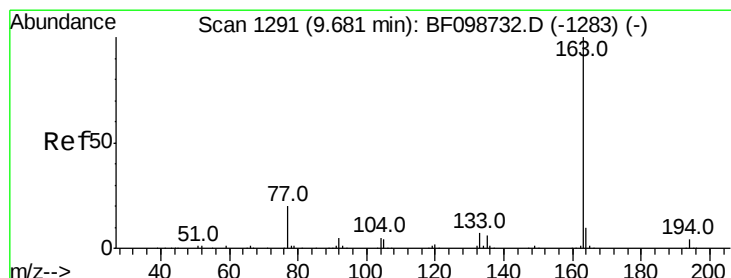
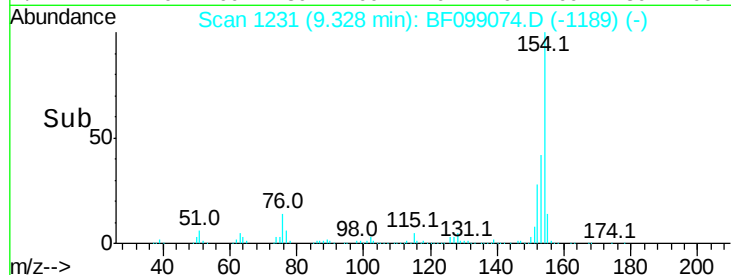
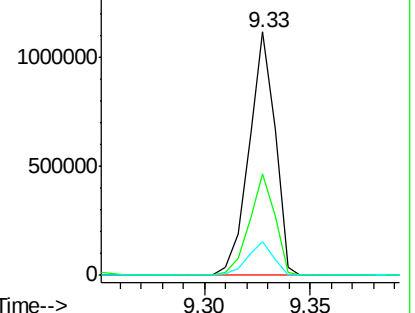
76 13.9 0.0 34.0



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



#49

Dimethylphthalate

Concen: 6.951 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.06 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

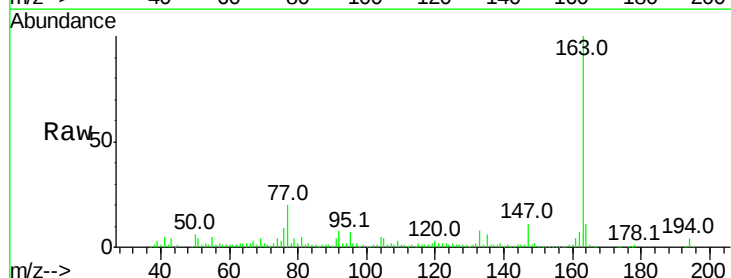
Tgt Ion:163 Resp: 135626

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

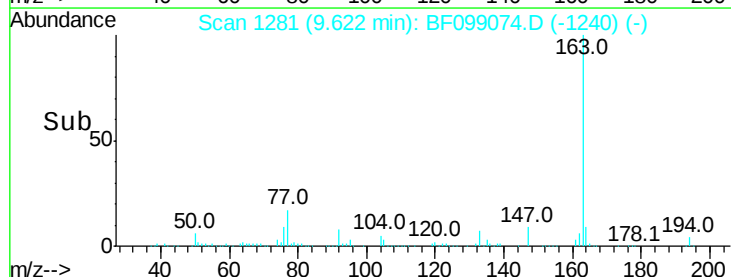
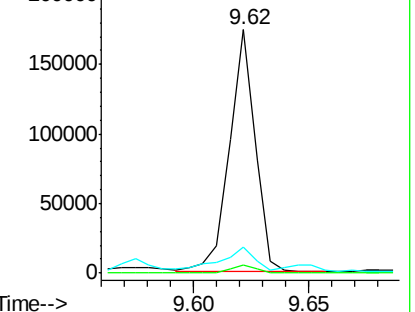
164 10.7 8.2 12.2

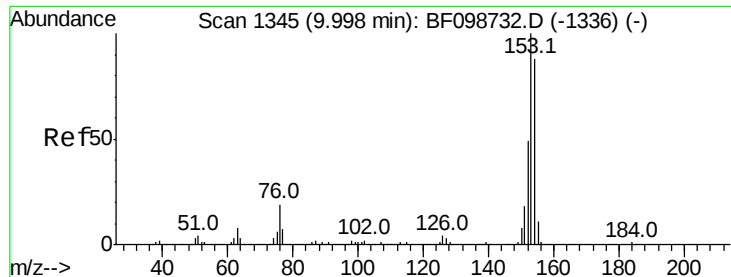


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 102.042 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

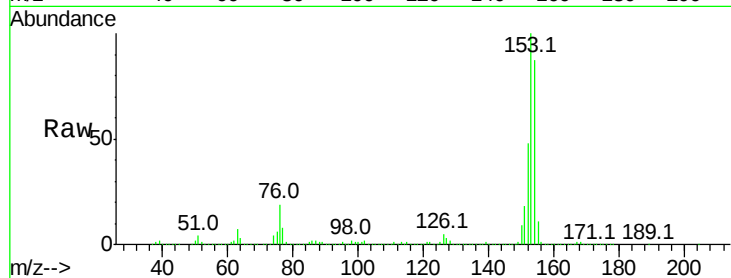
Tot Ion:154 Resp: 1650619

Ion Ratio Lower Upper

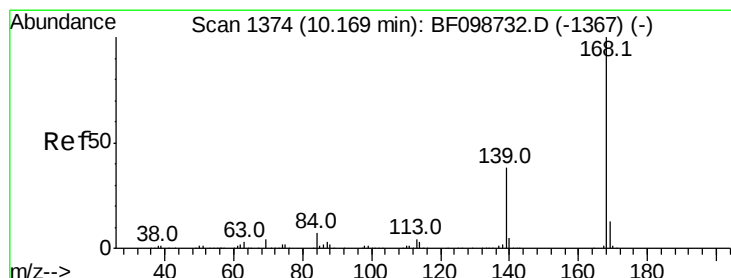
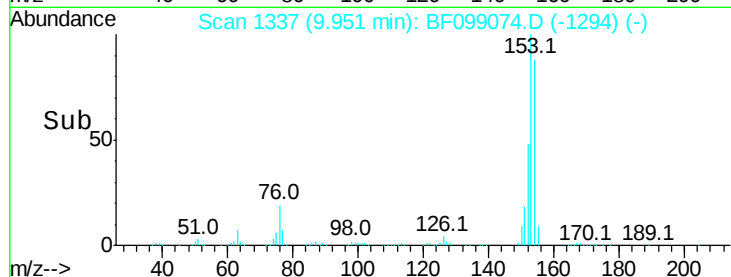
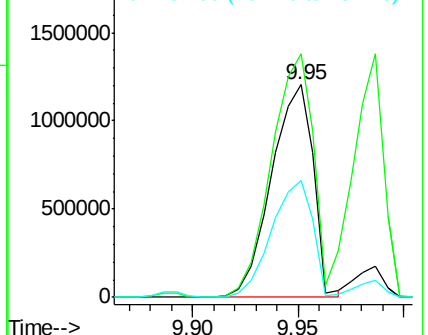
154 100

153 114.6 91.2 136.8

152 55.2 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: 84.208 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

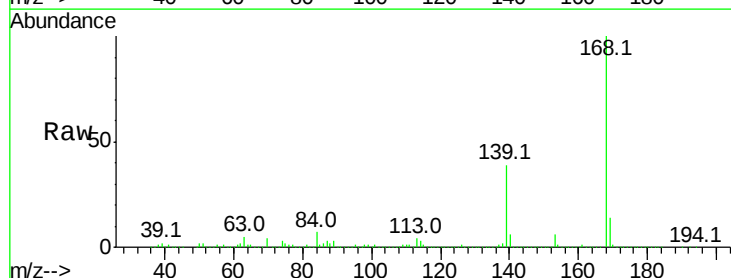
Tgt Ion:168 Resp: 1813619

Ion Ratio Lower Upper

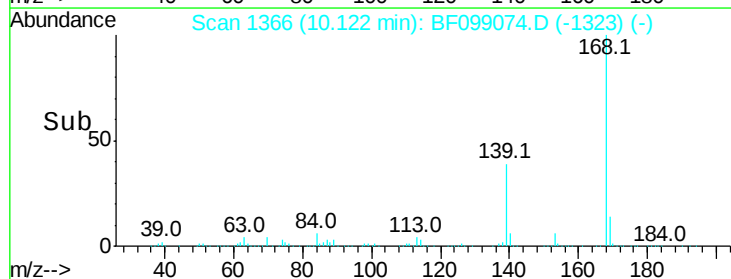
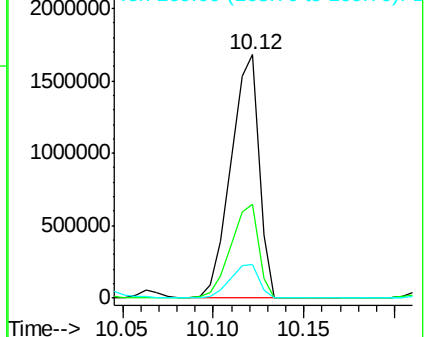
168 100

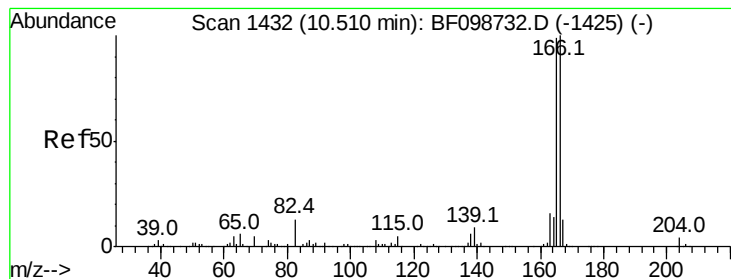
139 38.6 30.1 45.1

169 13.8 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: 50.345 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

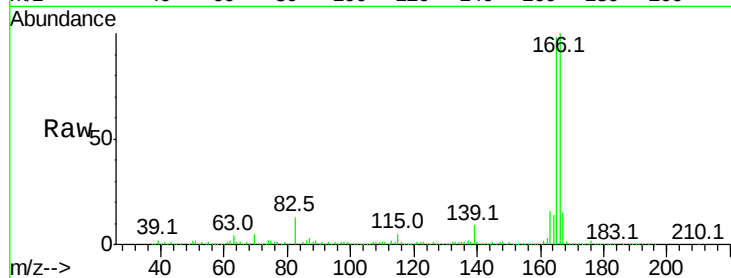
Tot Ion:166 Resp: 871512

Ion Ratio Lower Upper

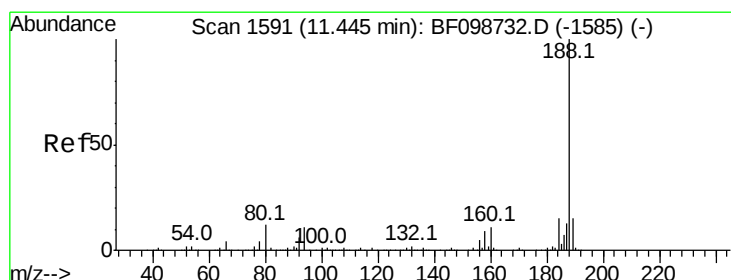
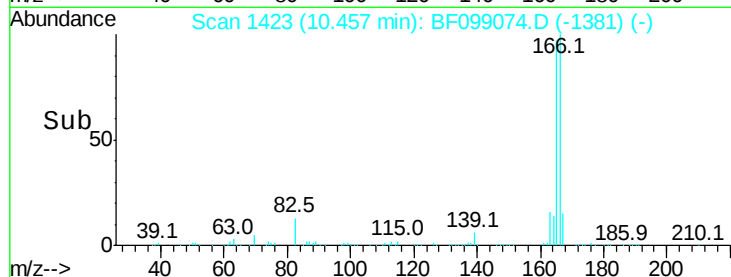
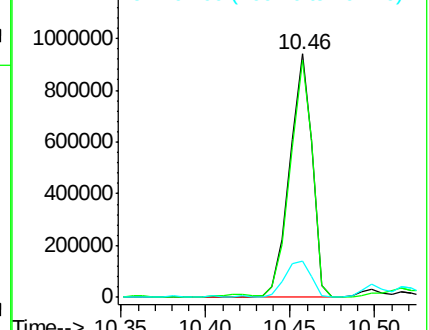
166 100

165 97.7 79.8 119.8

167 15.0 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# 1582

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

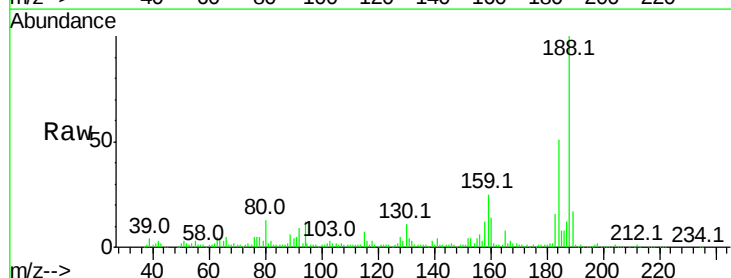
Tgt Ion:188 Resp: 400289

Ion Ratio Lower Upper

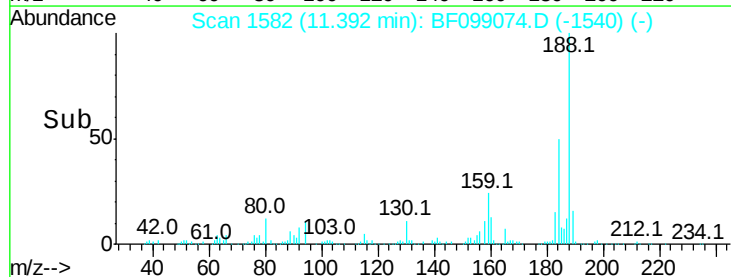
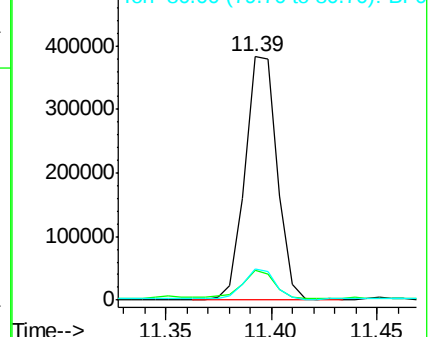
188 100

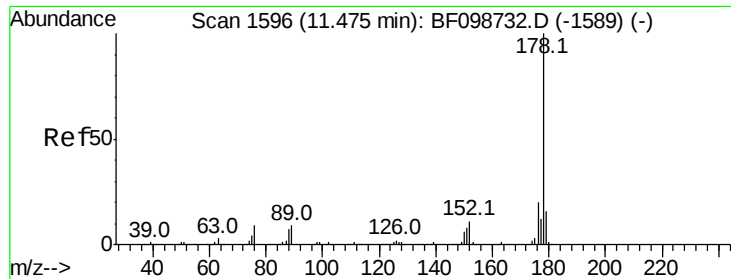
94 12.2 8.5 12.7

80 12.9 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

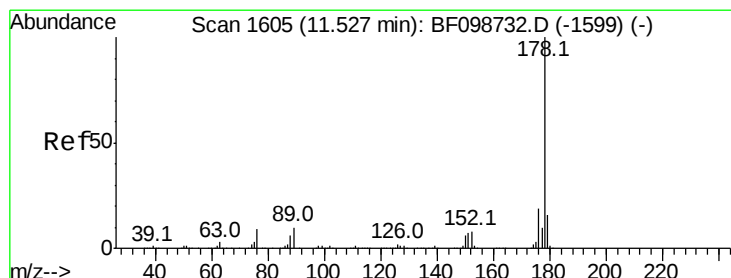
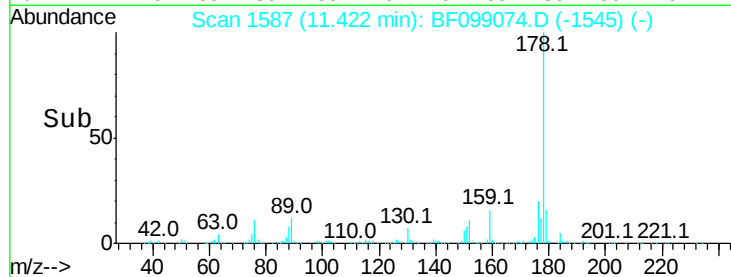
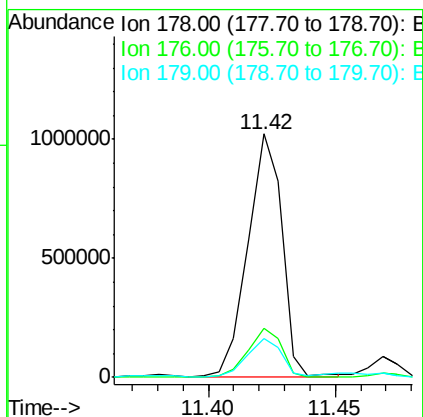
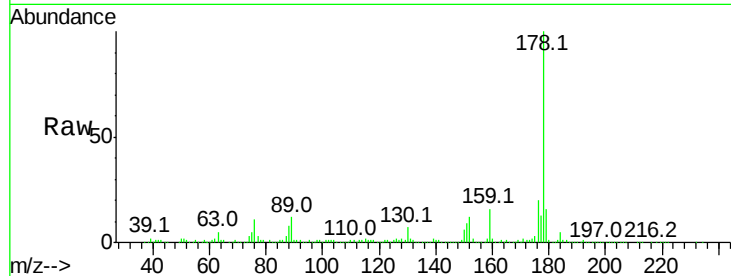




#70
Phenanthrene
Concen: 44.541 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF099074.D
Acq: 4 Oct 2017 18:38

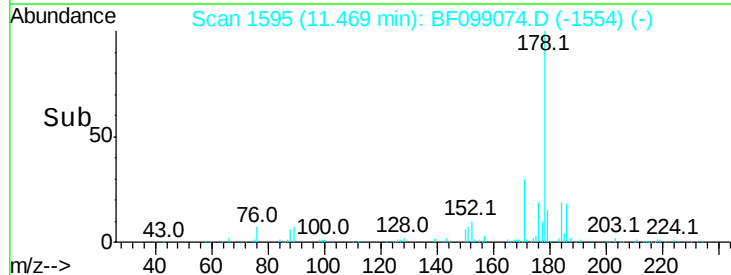
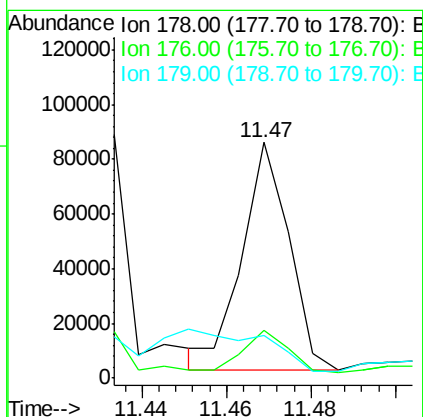
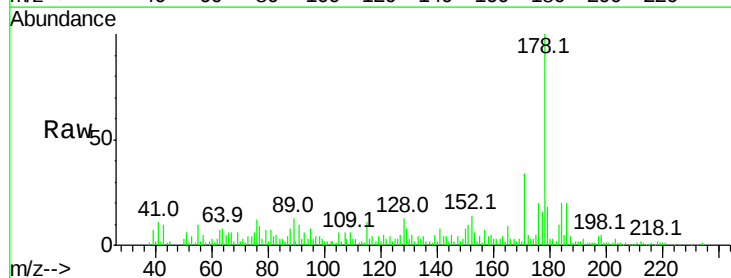
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GW

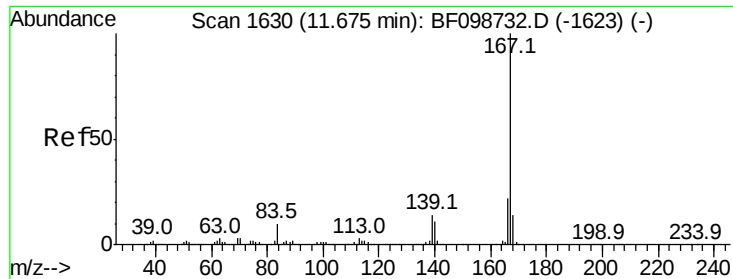
Tot Ion:178 Resp: 954362
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 16.1 13.0 19.6



#71
Anthracene
Concen: 2.922 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.06 min
Lab File: BF099074.D
Acq: 4 Oct 2017 18:38

Tgt Ion:178 Resp: 64067
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.2
179 18.0 12.6 19.0





#72

Carbazole

Concen: 37.499 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.04 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

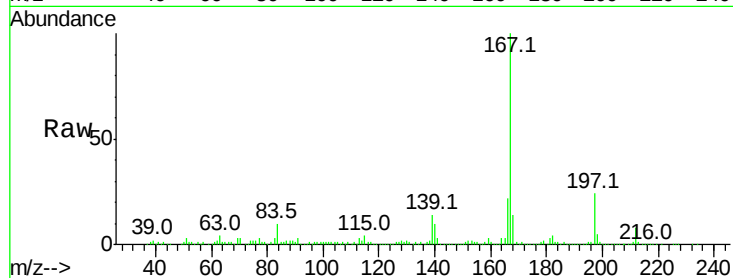
Tot Ion:167 Resp: 805055

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

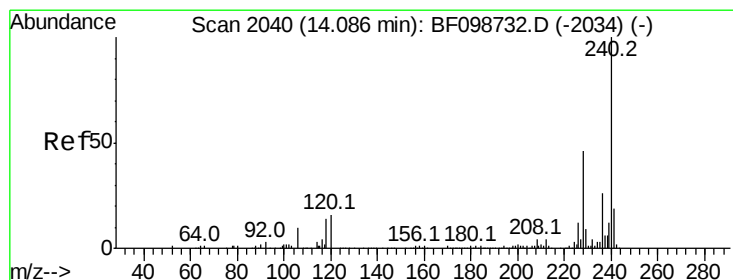
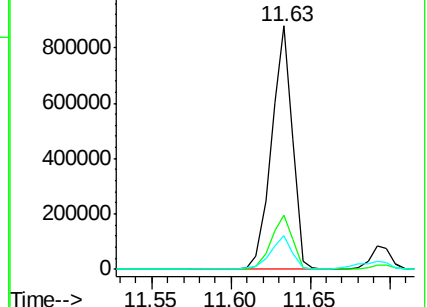
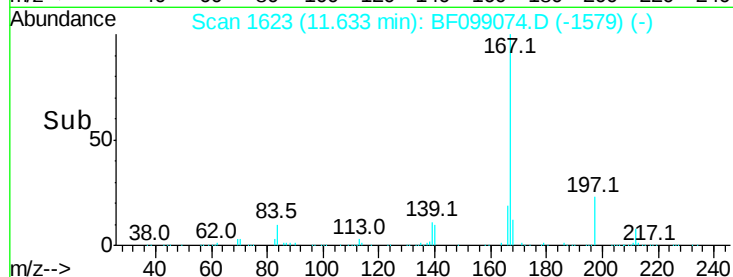
139 13.7 10.9 16.3



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. -0.06 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

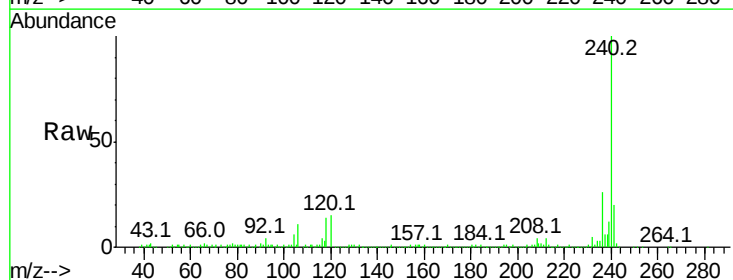
Tgt Ion:240 Resp: 258565

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

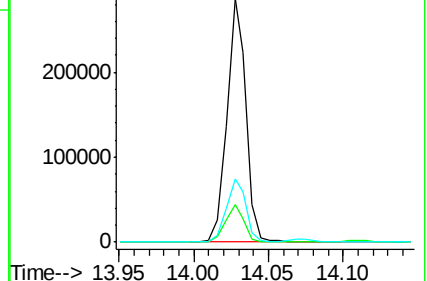
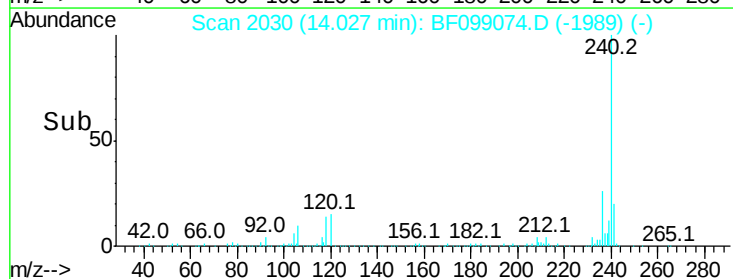
236 26.0 20.7 31.1

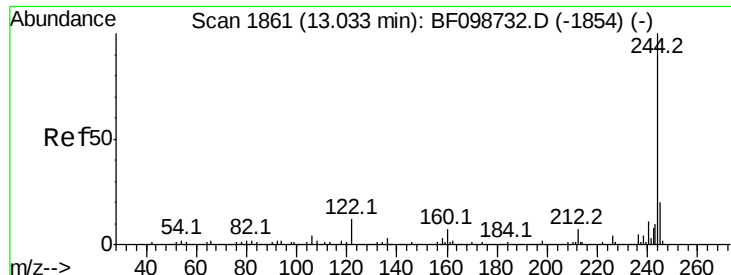


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.605 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

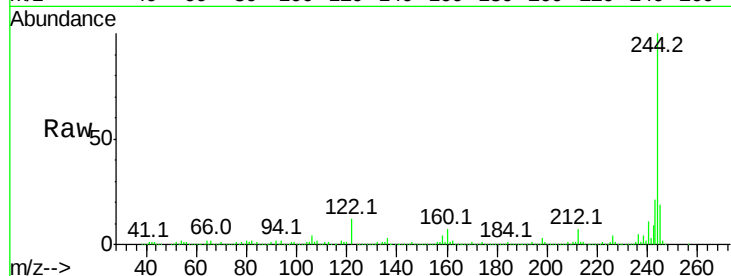
Tot Ion:244 Resp: 916441

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

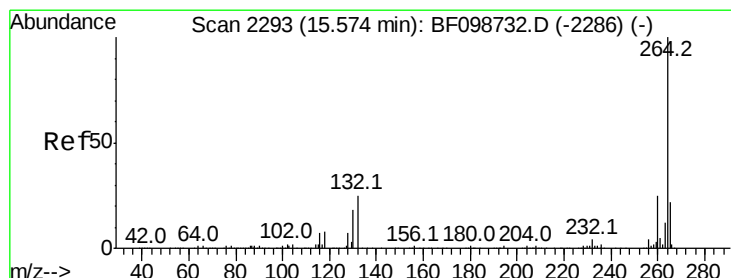
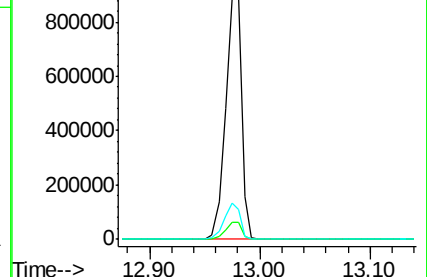
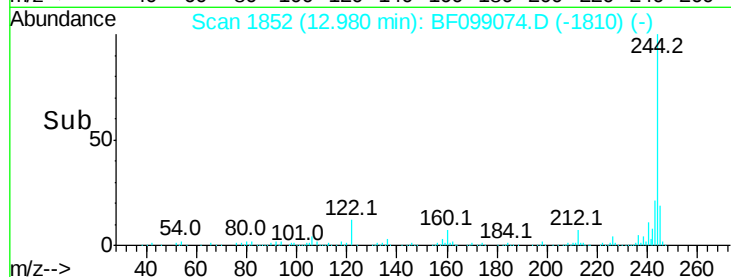
122 12.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.08 min

Lab File: BF099074.D

Acq: 4 Oct 2017 18:38

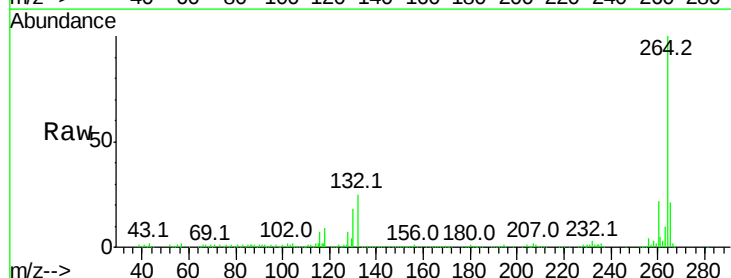
Tgt Ion:264 Resp: 224799

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

265 20.7 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

