

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
 Data File : BF115408.D
 Acq On : 8 Jul 2019 16:27
 Operator : HP/JU
 Sample : K3605-01DL 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Quant Time: Jul 08 17:03:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

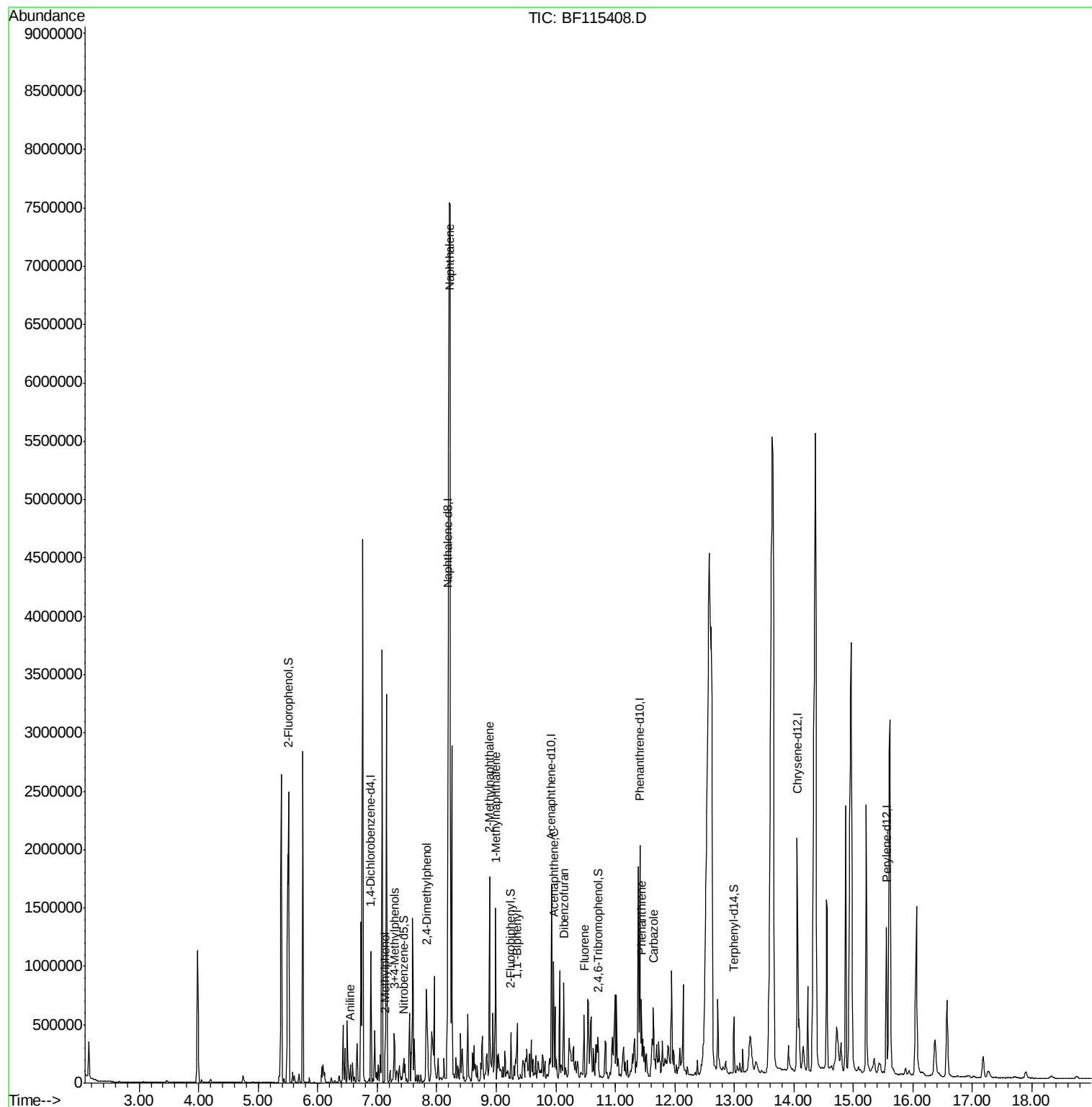
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	154068	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	623698	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	339595	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	682768	20.00	ng	0.00
76) Chrysene-d12	14.06	240	584468	20.00	ng	-0.01
87) Perylene-d12	15.56	264	614618	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	34483	3.46	ng	-0.01
7) Phenol-d6	6.51	99	20430	1.61	ng	-0.01
23) Nitrobenzene-d5	7.45	82	51150	4.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	23542	6.27	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	112705	5.82	ng	-0.01
79) Terphenyl-d14	12.99	244	142076	4.98	ng	-0.01
Target Compounds						
6) Aniline	6.55	93	43820	2.449	ng	98
17) 2-Methylphenol	7.13	107	32779	3.398	ng	98
20) 3+4-Methylphenols	7.29	107	97992	8.600	ng	# 77
27) 2,4-Dimethylphenol	7.83	122	209915	22.460	ng	99
31) Naphthalene	8.22	128	6614665	213.520	ng	95
37) 2-Methylnaphthalene	8.89	142	462566	22.339	ng	98
38) 1-Methylnaphthalene	8.99	142	377157	19.090	ng	99
46) 1,1'-Biphenyl	9.35	154	103351	3.871	ng	96
52) Acenaphthene	9.96	154	186846	8.887	ng	97
55) Dibenzofuran	10.13	168	212242	7.166	ng	96
58) Fluorene	10.47	166	120303	5.153	ng	99
71) Phenanthrene	11.44	178	202360	5.635	ng	97
73) Carbazole	11.64	167	185962	5.645	ng	98

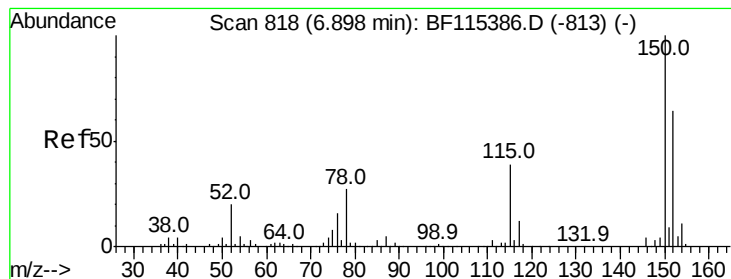
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

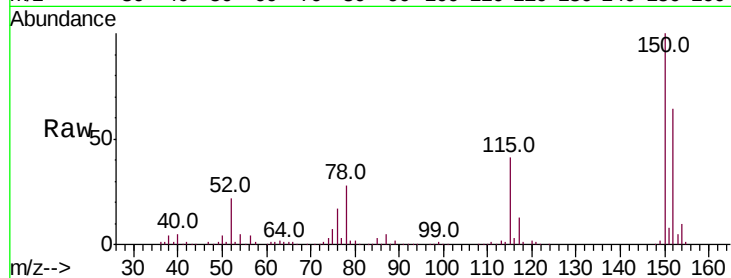
Tot Ion:152 Resp: 154068

Ion Ratio Lower Upper

152 100

150 156.3 124.7 187.1

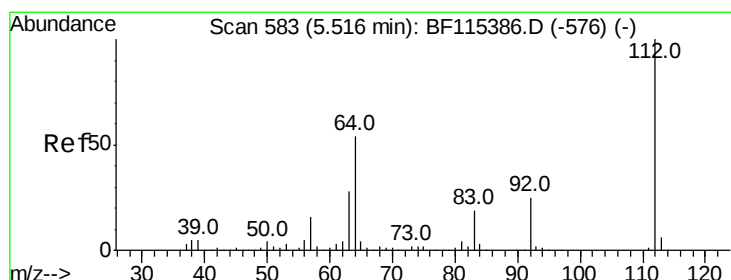
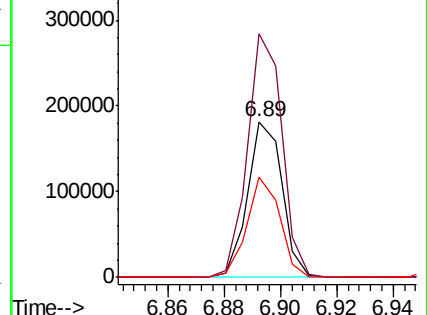
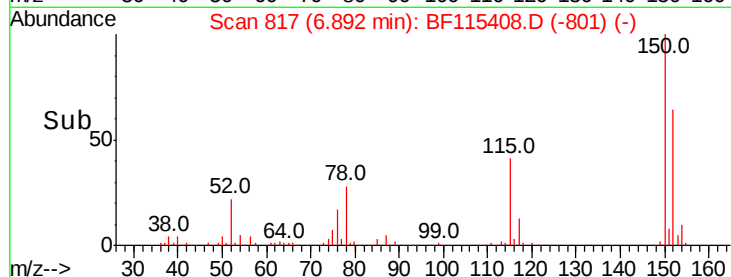
115 64.2 48.1 72.1



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: 3.458 ng

RT: 5.50 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

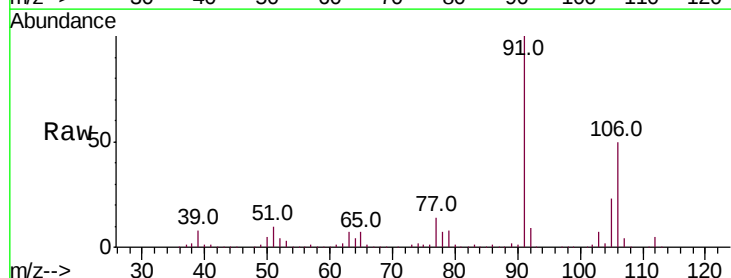
Tgt Ion:112 Resp: 34483

Ion Ratio Lower Upper

112 100

64 73.9 43.0 64.6#

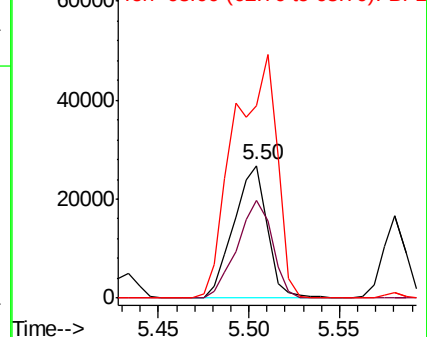
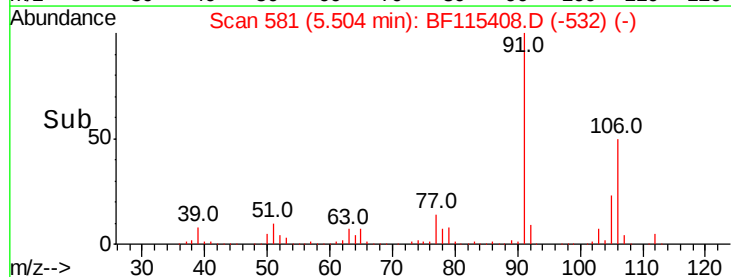
63 145.8 22.2 33.2#

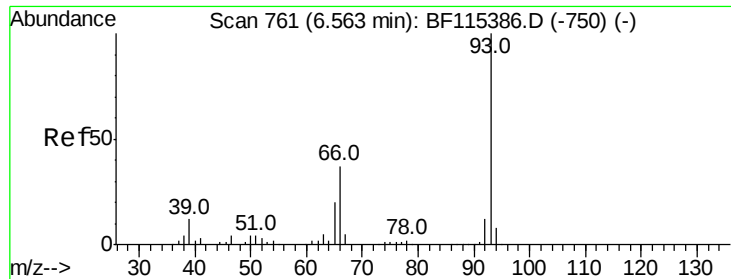


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 2.449 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

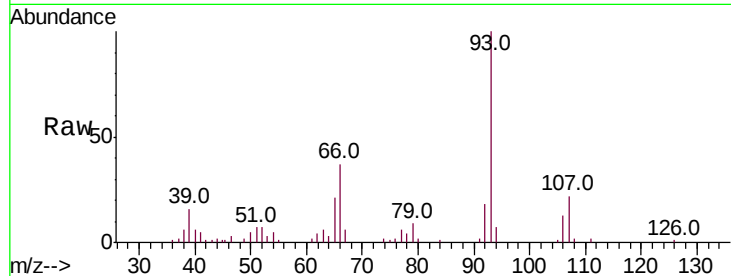
Tot Ion: 93 Resp: 43820

Ion Ratio Lower Upper

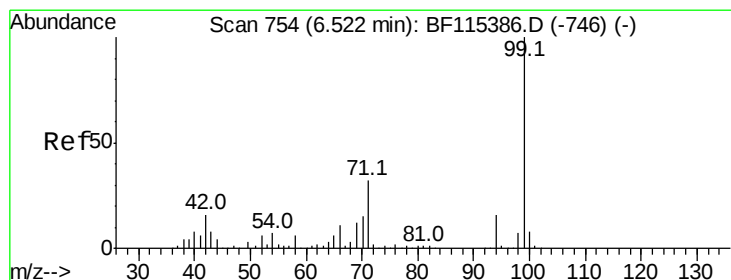
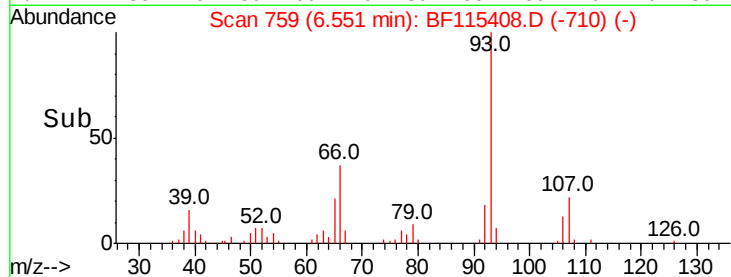
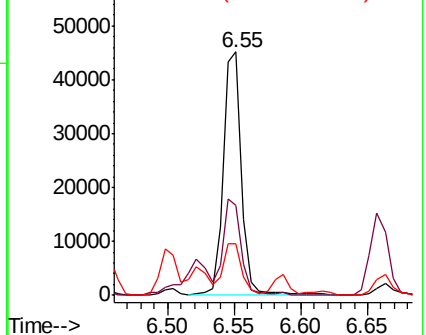
93 100

66 37.2 30.8 46.2

65 21.4 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 1.611 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

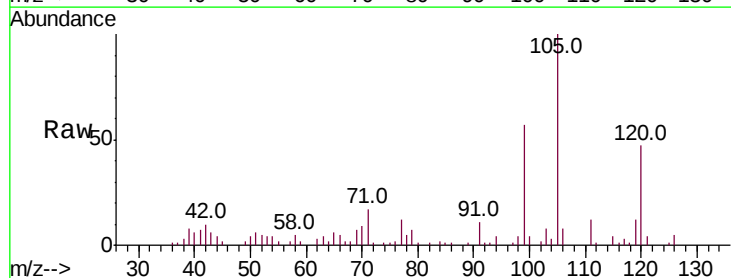
Tgt Ion: 99 Resp: 20430

Ion Ratio Lower Upper

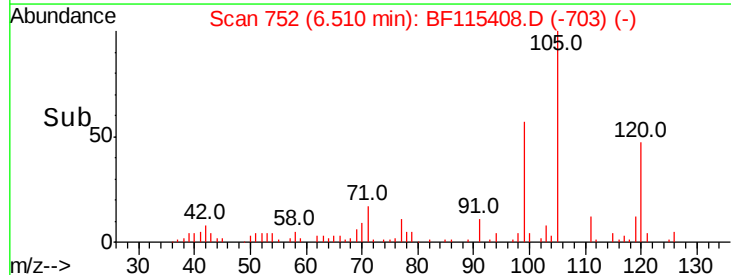
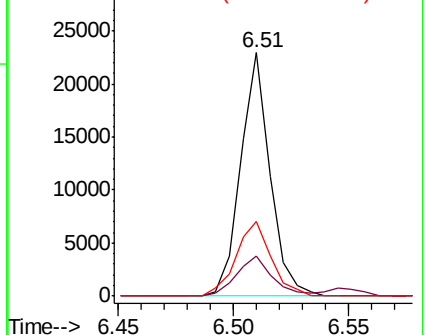
99 100

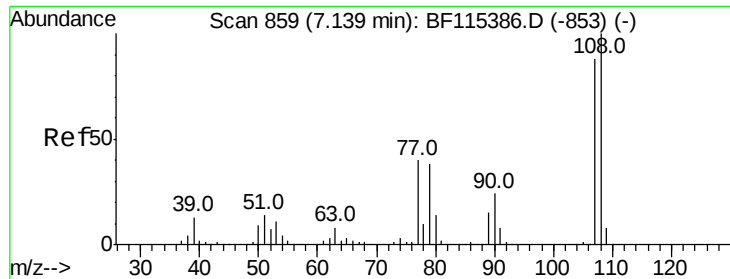
42 16.7 13.1 19.7

71 30.4 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

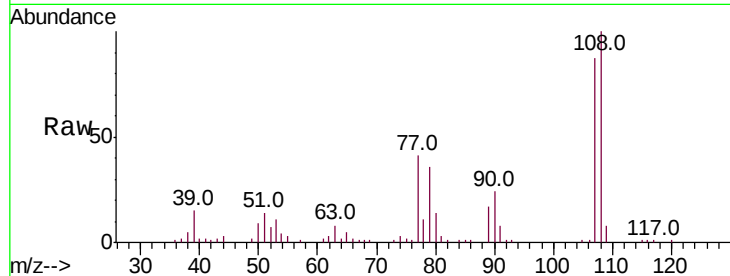




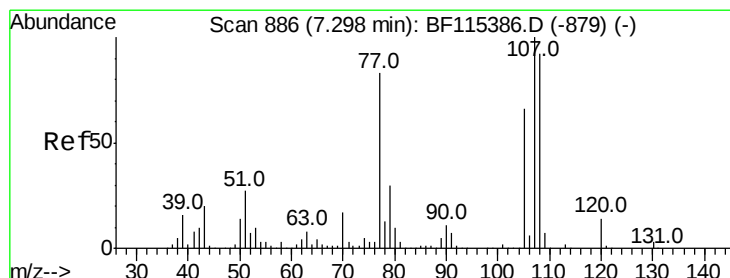
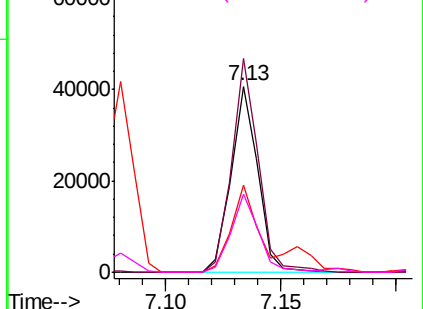
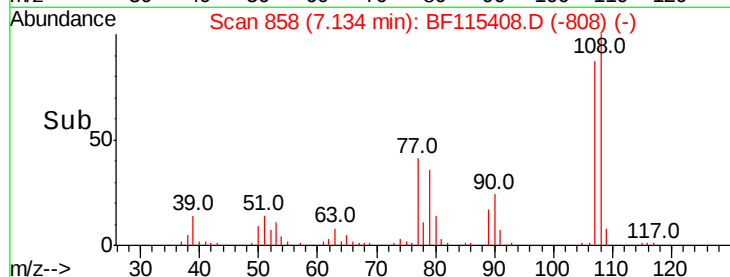
#17
2-Methylphenol
Concen: 3.398 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:107 Resp: 32779
Ion Ratio Lower Upper
107 100
108 114.8 90.7 136.1
77 46.9 36.3 54.5
79 41.8 34.9 52.3

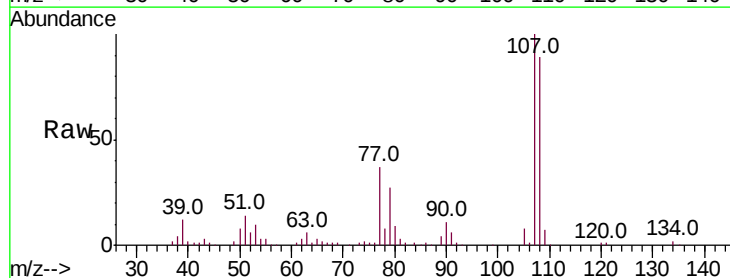


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

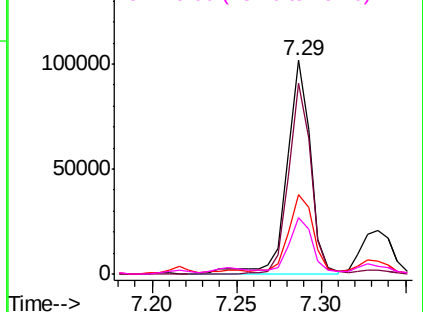
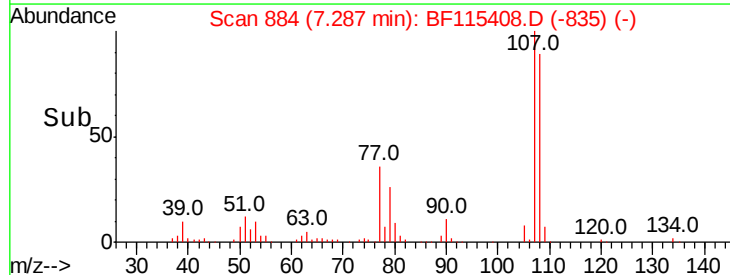


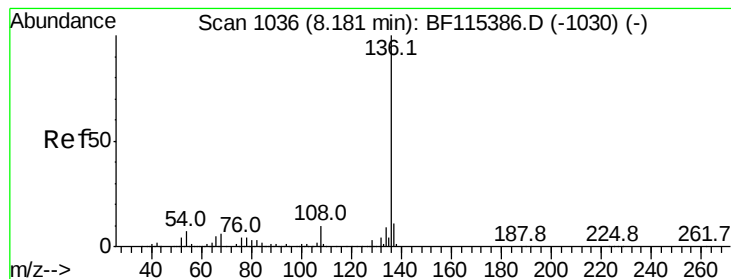
#20
3+4-Methylphenols
Concen: 8.600 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Tgt Ion:107 Resp: 97992
Ion Ratio Lower Upper
107 100
108 89.2 72.5 112.5
77 37.1 62.7 102.7#
79 26.7 9.5 49.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:136 Resp: 623698

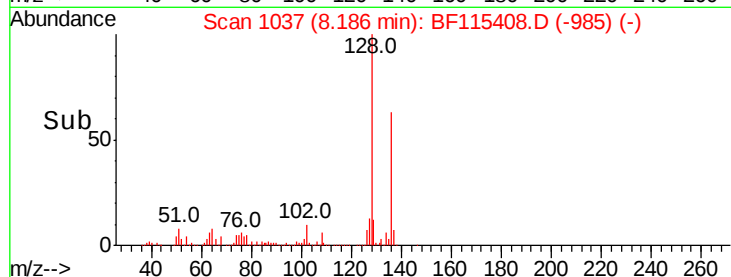
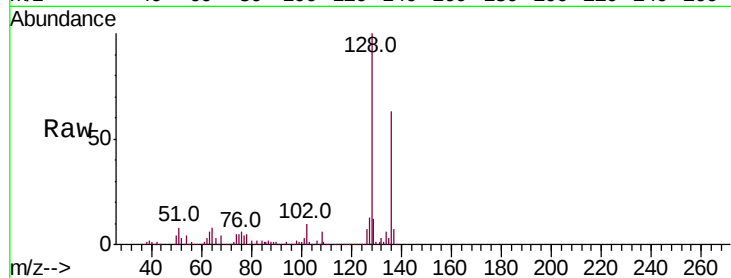
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 5.6 8.4

68 6.1 4.9 7.3

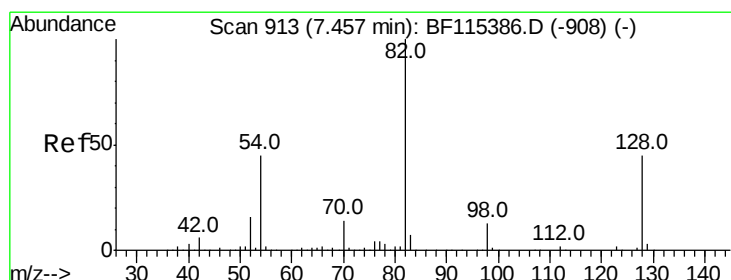
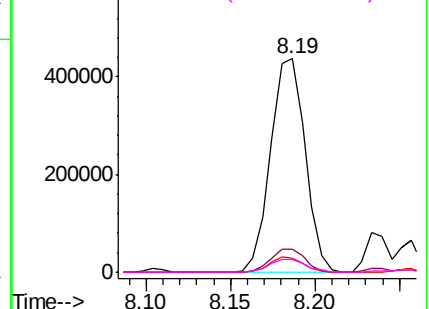


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 4.845 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

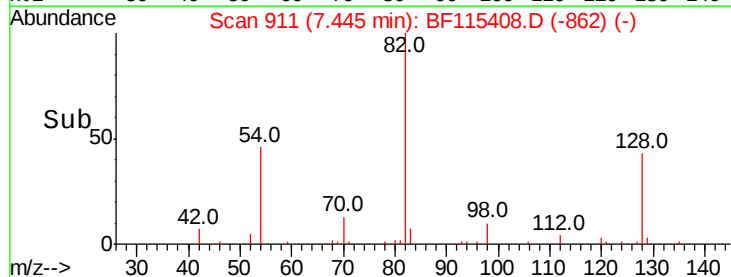
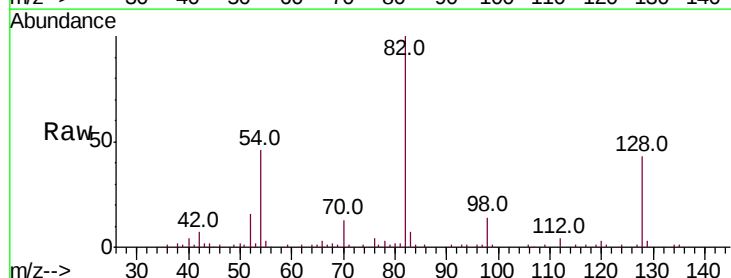
Tgt Ion: 82 Resp: 51150

Ion Ratio Lower Upper

82 100

128 43.2 35.7 53.5

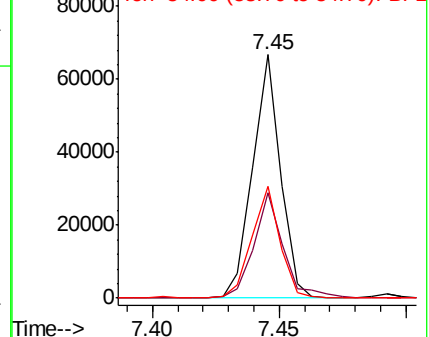
54 45.9 36.3 54.5

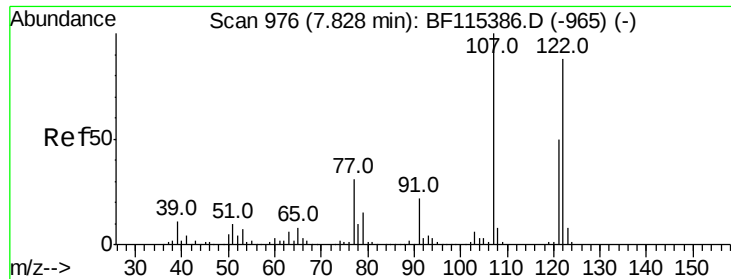


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

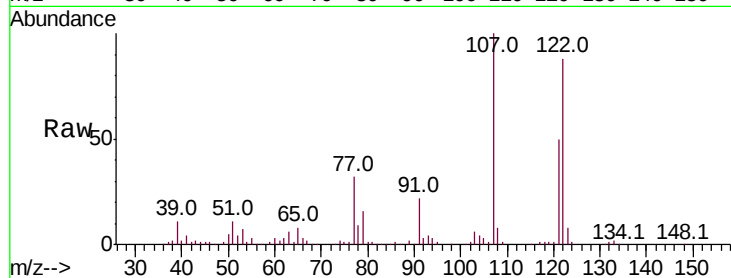




#27
2,4-Dimethylphenol
Concen: 22.460 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.00 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.1	91.0	136.6
121	56.6	45.9	68.9

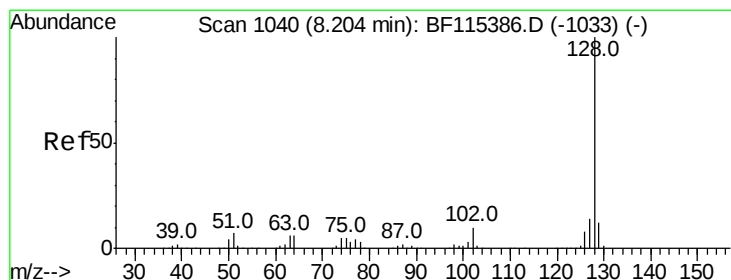
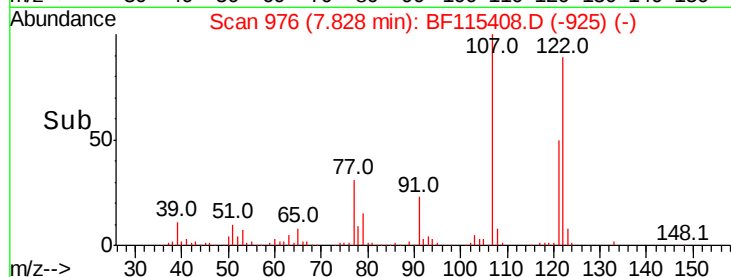
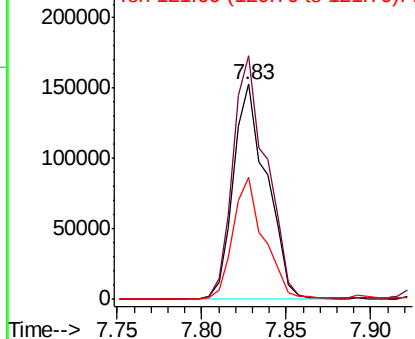


Abundance

Ion 122.00 (121.70 to 122.70): E

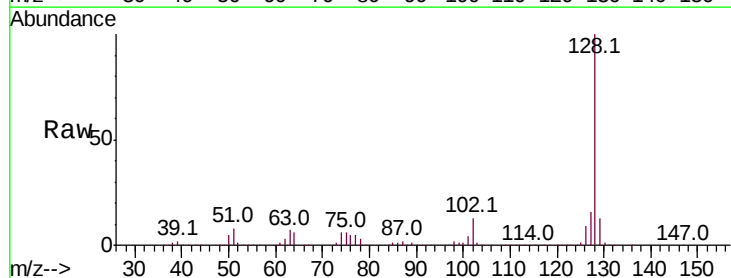
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31
Naphthalene
Concen: 213.520 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.4	14.2
127	16.1	11.2	16.8

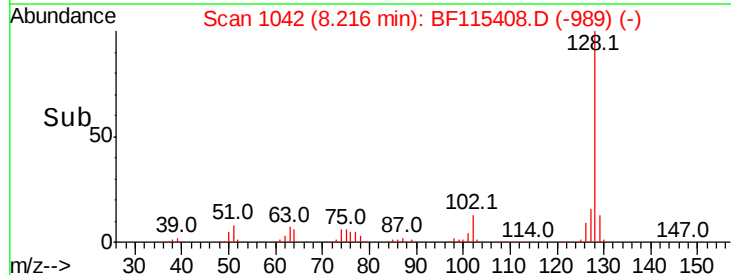
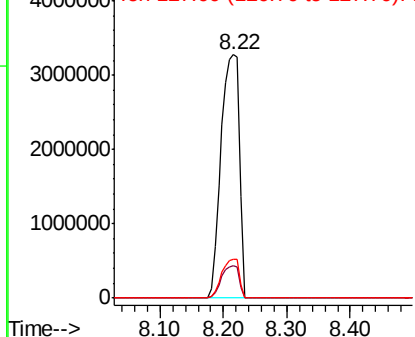


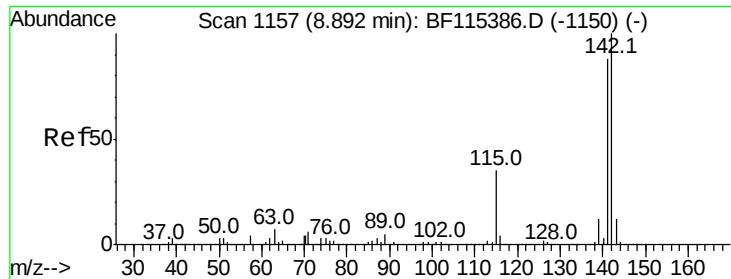
Abundance

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

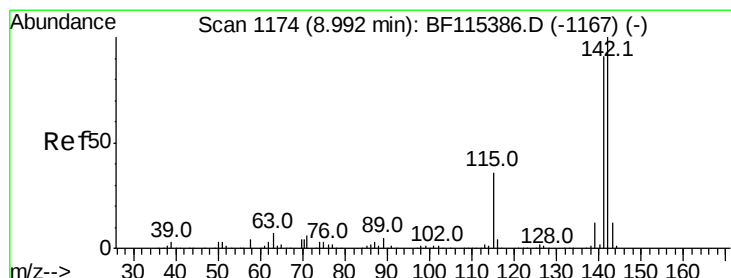
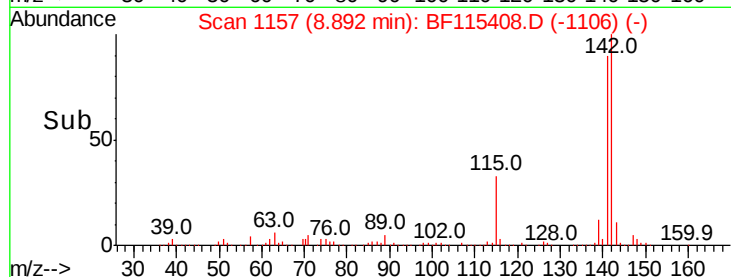
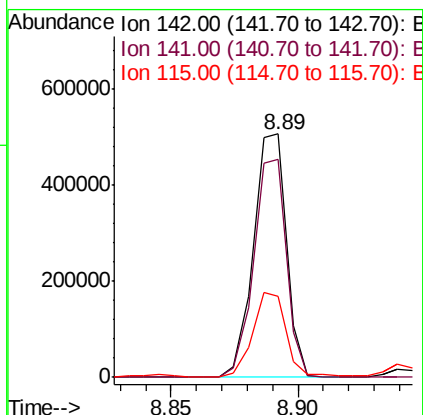
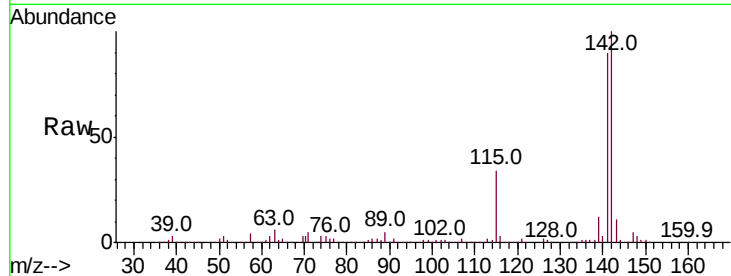




#37
2-Methylnaphthalene
Concen: 22.339 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

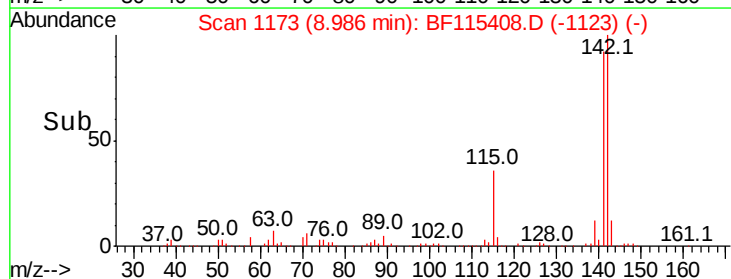
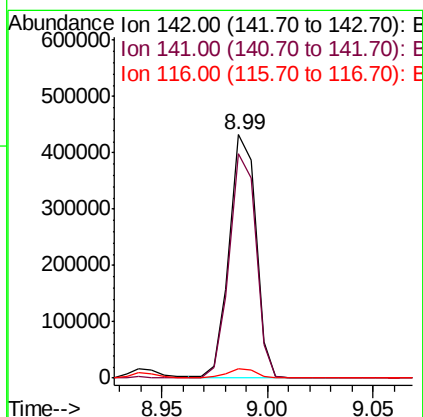
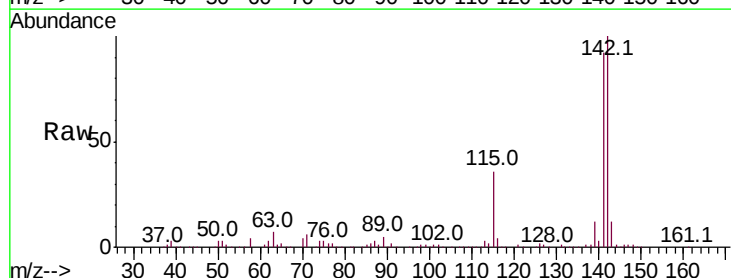
Instrument :
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QNWP8-MW26S-GWDL

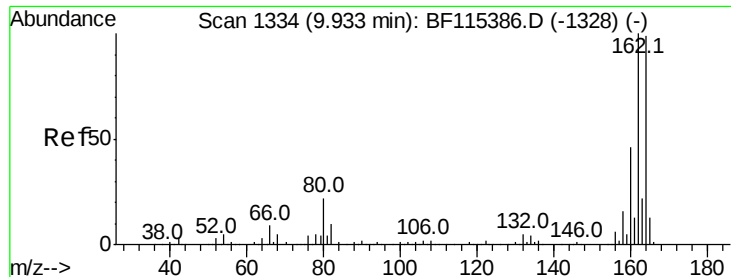
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.6	106.0
115	33.5	27.8	41.8



#38
1-Methylnaphthalene
Concen: 19.090 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.7	109.1
116	4.1	3.0	4.4

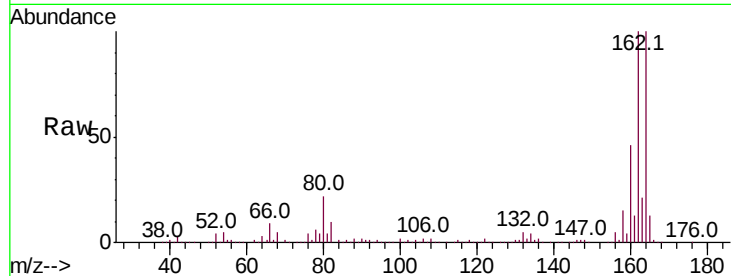




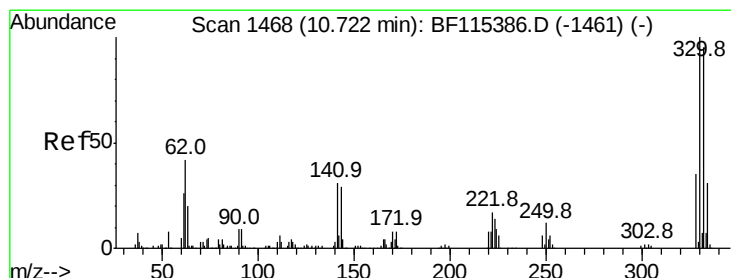
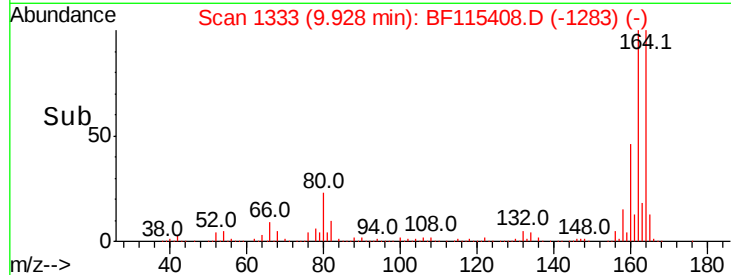
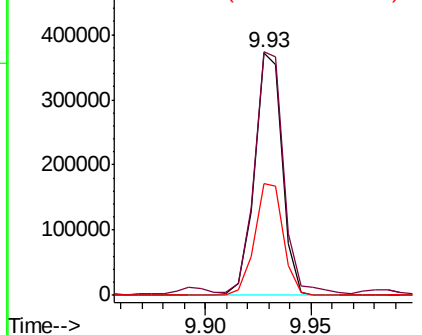
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.6	121.0
160	46.0	37.0	55.6

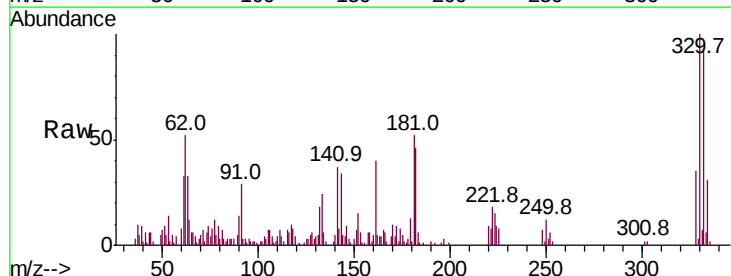


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

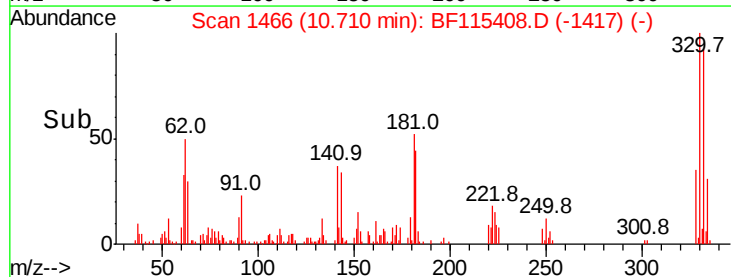
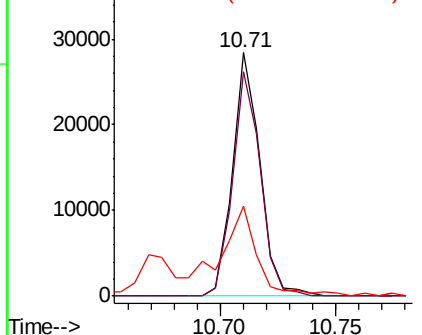


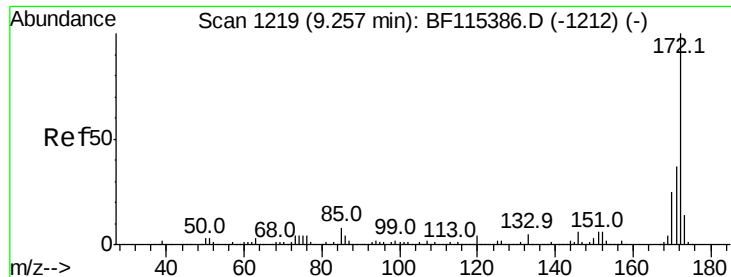
#42
2,4,6-Tribromophenol
Concen: 6.270 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.3	114.5
141	48.4	27.0	40.4



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

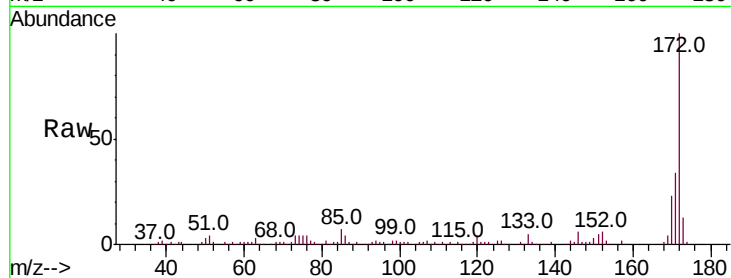




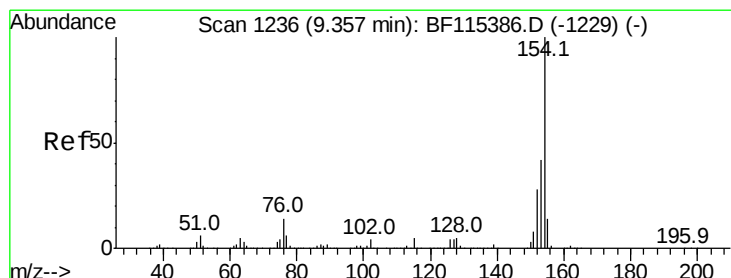
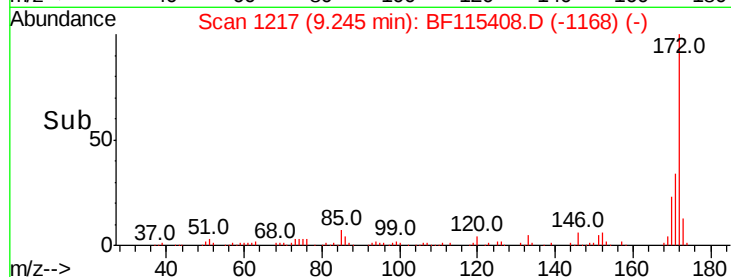
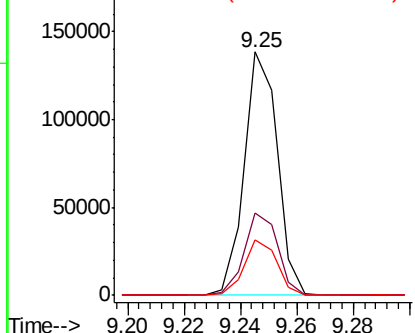
#45
2-Fluorobiphenyl
Concen: 5.824 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:172 Resp: 112705
Ion Ratio Lower Upper
172 100
171 33.7 29.8 44.8
170 22.6 20.2 30.4

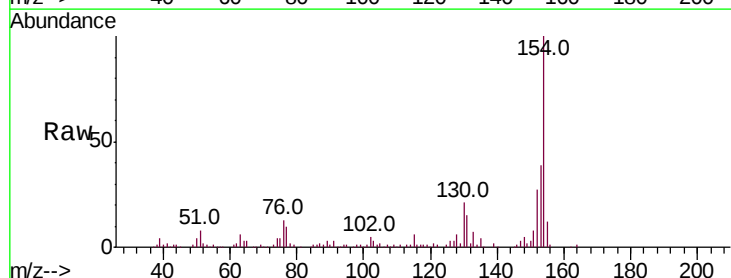


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

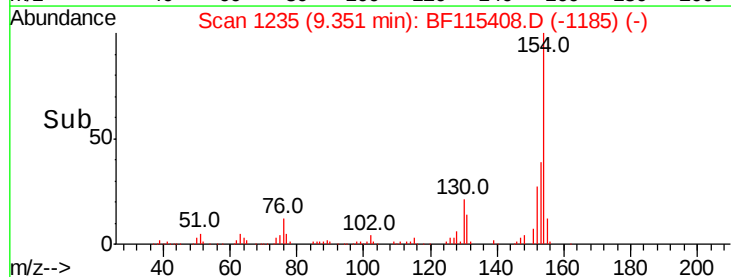
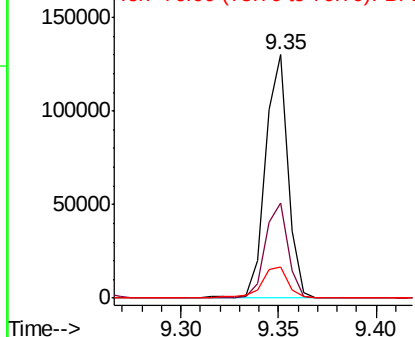


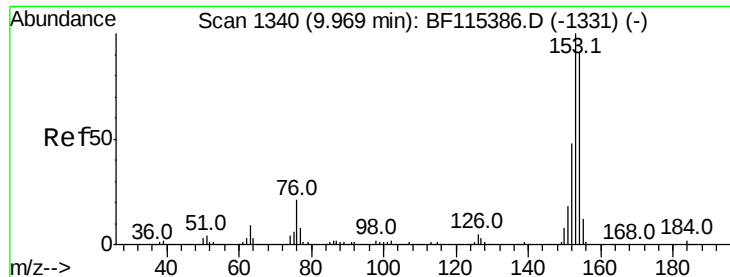
#46
1,1'-Biphenyl
Concen: 3.871 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Tgt Ion:154 Resp: 103351
Ion Ratio Lower Upper
154 100
153 39.2 21.9 61.9
76 12.6 0.0 34.3



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): BF1





#52

Acenaphthene

Concen: 8.887 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

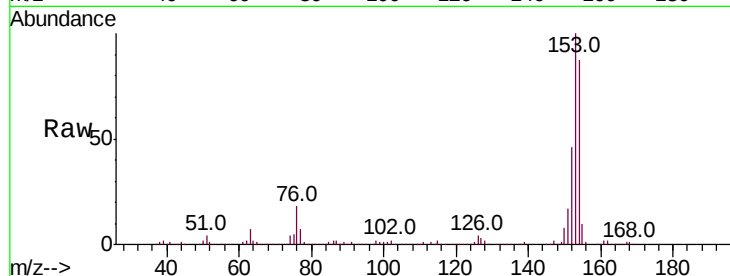
Tot Ion:154 Resp: 186846

Ion Ratio Lower Upper

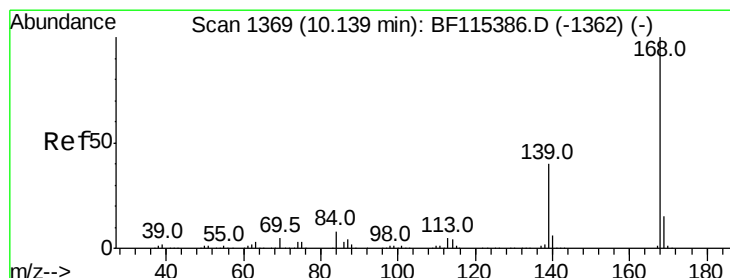
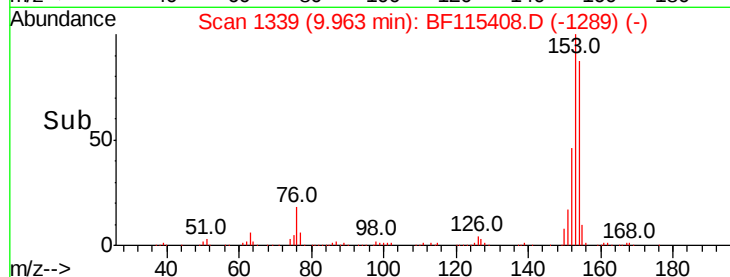
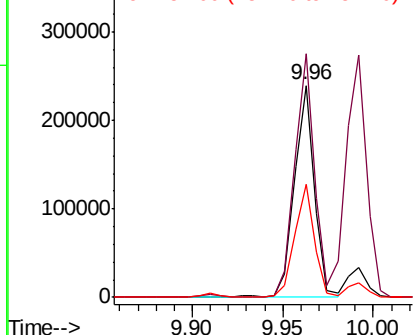
154 100

153 114.9 87.9 131.9

152 53.3 42.2 63.2



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



#55

Dibenzofuran

Concen: 7.166 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

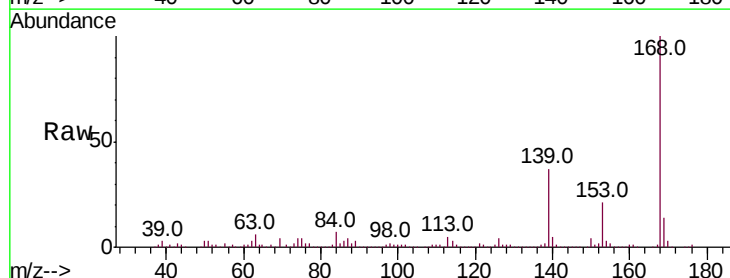
Tgt Ion:168 Resp: 212242

Ion Ratio Lower Upper

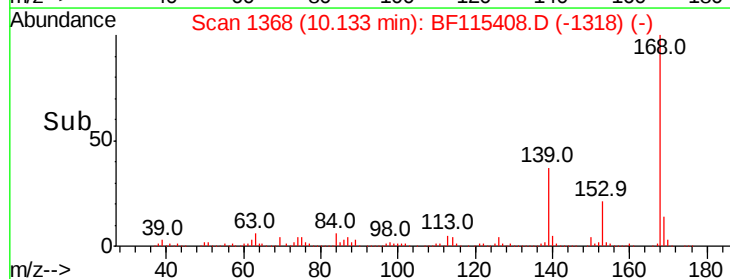
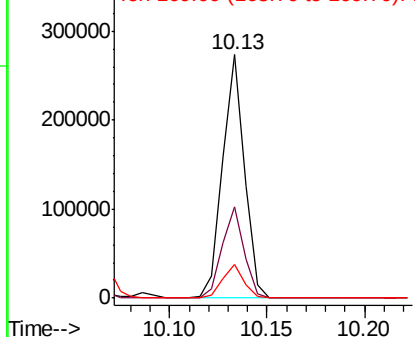
168 100

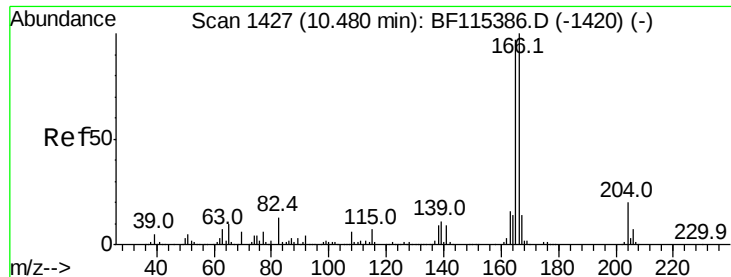
139 37.4 32.2 48.2

169 13.7 11.7 17.5



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





#58

Fluorene

Concen: 5.153 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

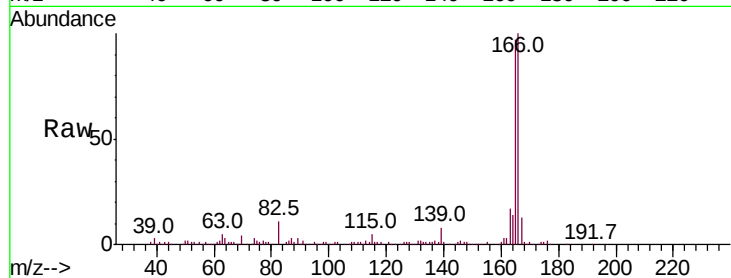
Tot Ion:166 Resp: 120303

Ion Ratio Lower Upper

166 100

165 96.8 77.8 116.6

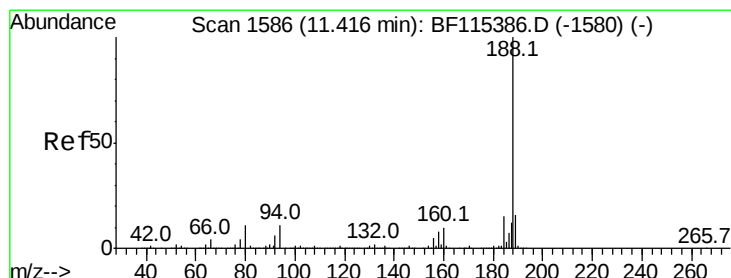
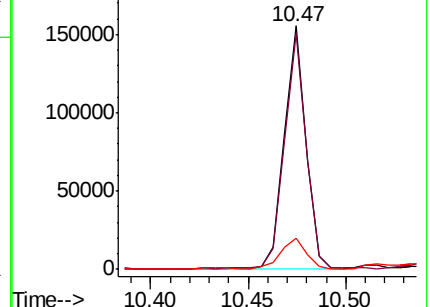
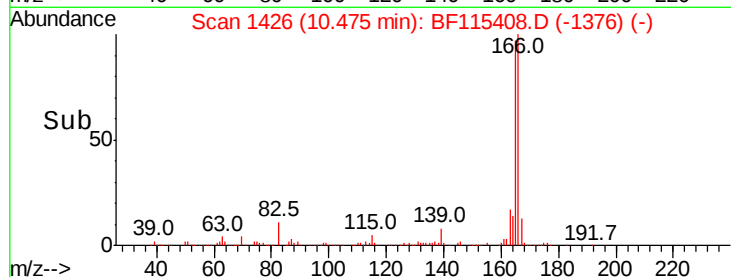
167 12.9 11.0 16.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

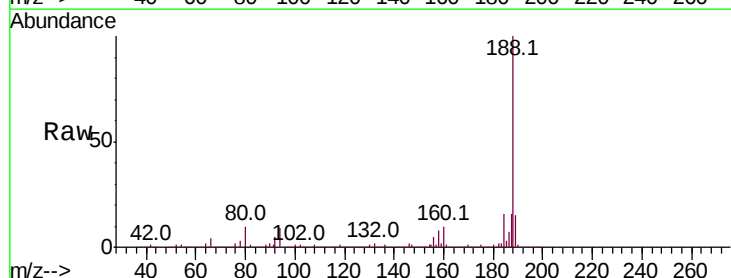
Tgt Ion:188 Resp: 682768

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

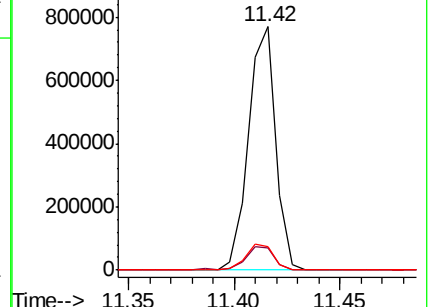
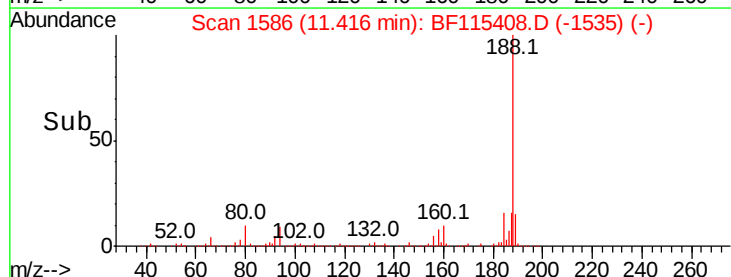
80 9.6 9.1 13.7

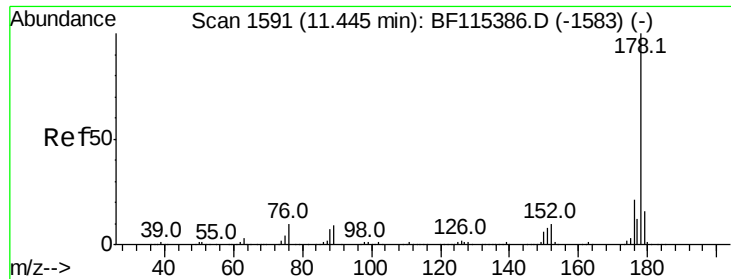


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 5.635 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

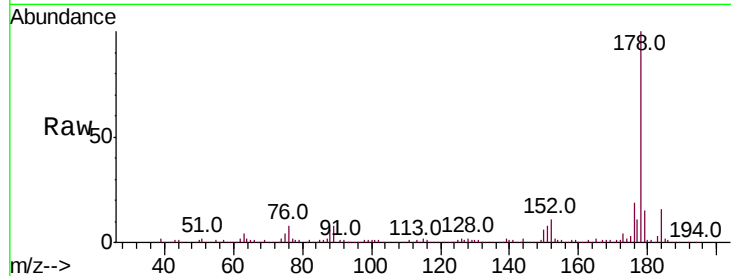
Tot Ion:178 Resp: 202360

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

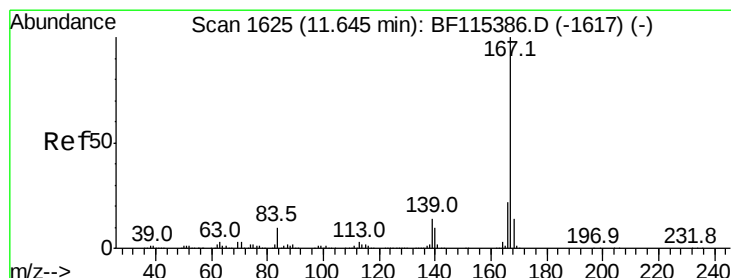
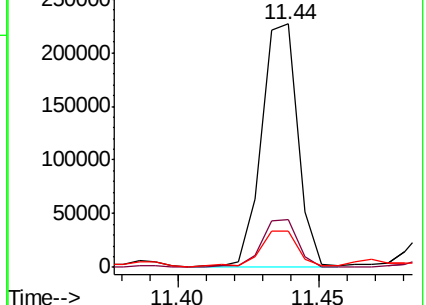
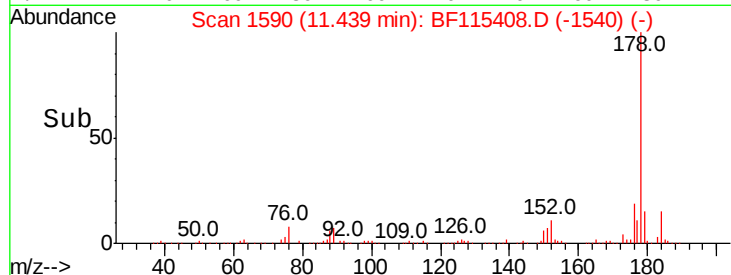
179 15.1 13.0 19.6



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



#73

Carbazole

Concen: 5.645 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

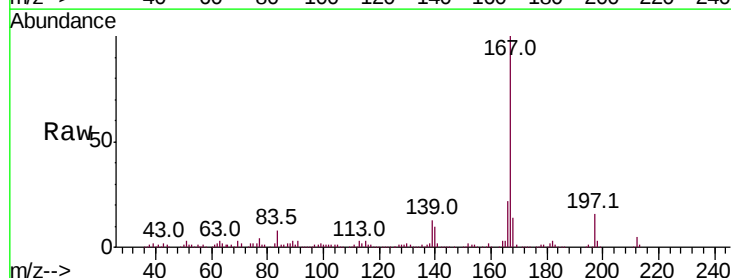
Tgt Ion:167 Resp: 185962

Ion Ratio Lower Upper

167 100

166 21.5 17.9 26.9

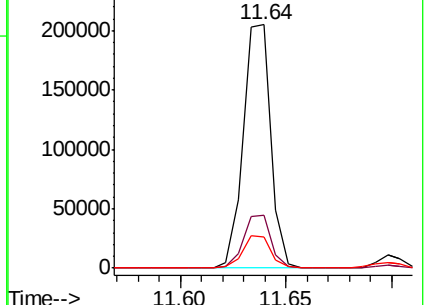
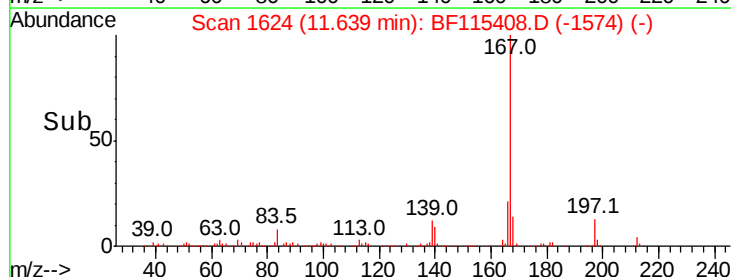
139 12.9 11.0 16.6

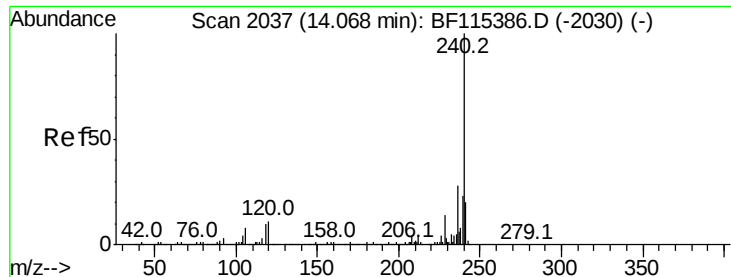


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

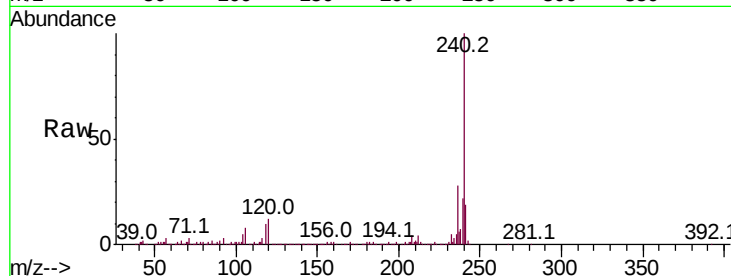
Tot Ion:240 Resp: 584468

Ion Ratio Lower Upper

240 100

120 11.7 9.1 13.7

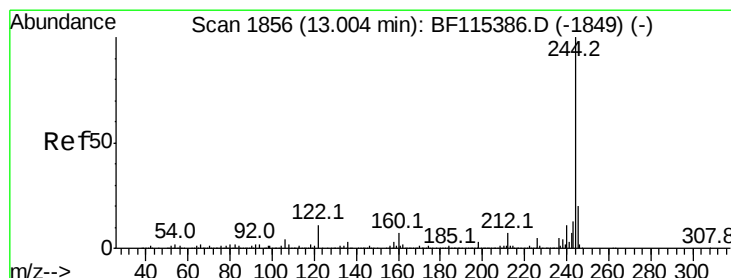
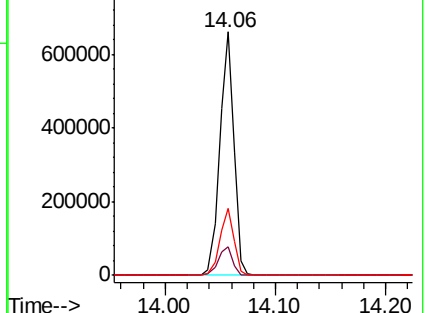
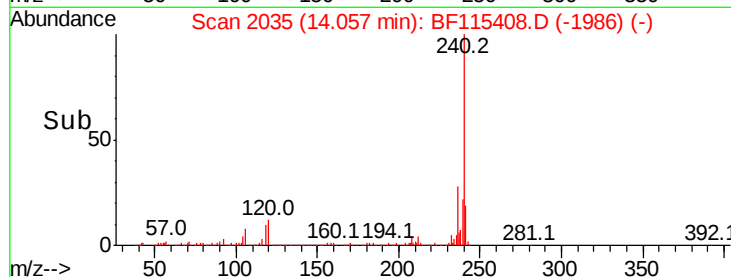
236 27.5 22.5 33.7



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



#79

Terphenyl-d14

Concen: 4.977 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115408.D

Acq: 8 Jul 2019 16:27

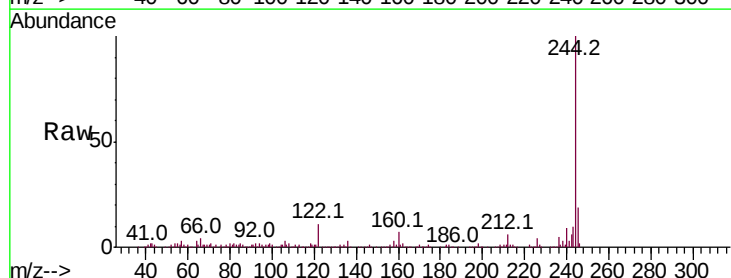
Tgt Ion:244 Resp: 142076

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

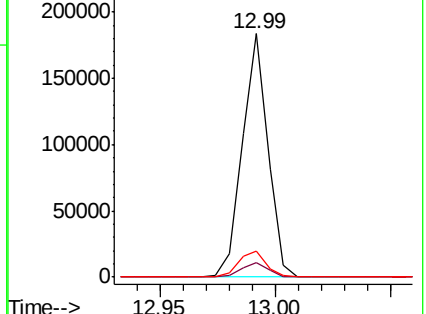
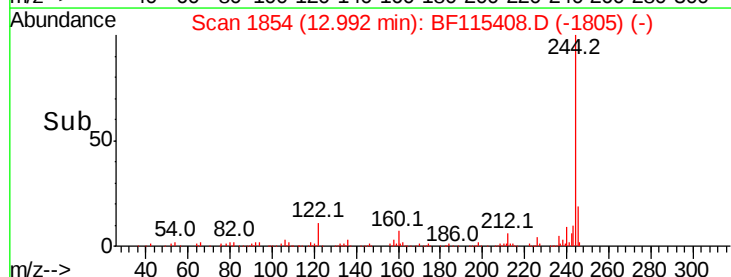
122 10.9 9.1 13.7

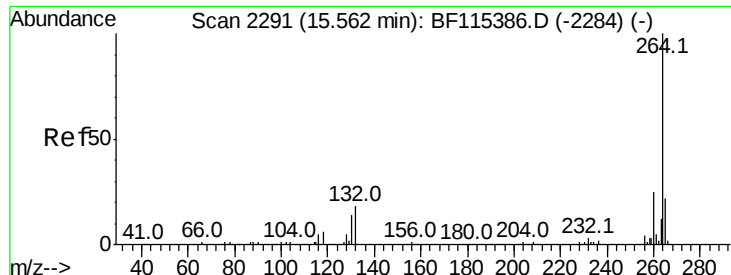


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF115408.D
Acq: 8 Jul 2019 16:27

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:	264	Resp:	614618
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.9	29.9
265	21.3	17.4	26.2

