

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101468.D
 Acq On : 16 Dec 2017 3:29
 Operator : SJ/JU
 Sample : I6882-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 04:08:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	150139	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	613162	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	251576	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	422932	20.00	ng	0.00
75) Chrysene-d12	14.00	240	296394	20.00	ng	0.00
86) Perylene-d12	15.47	264	273453	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	393386	39.03	ng	0.00
7) Phenol-d6	6.45	99	290158	23.13	ng	0.00
23) Nitrobenzene-d5	7.39	82	925787	84.05	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	200118	82.55	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1485659	91.61	ng	0.00
78) Terphenyl-d14	12.93	244	1103094	89.72	ng	0.00

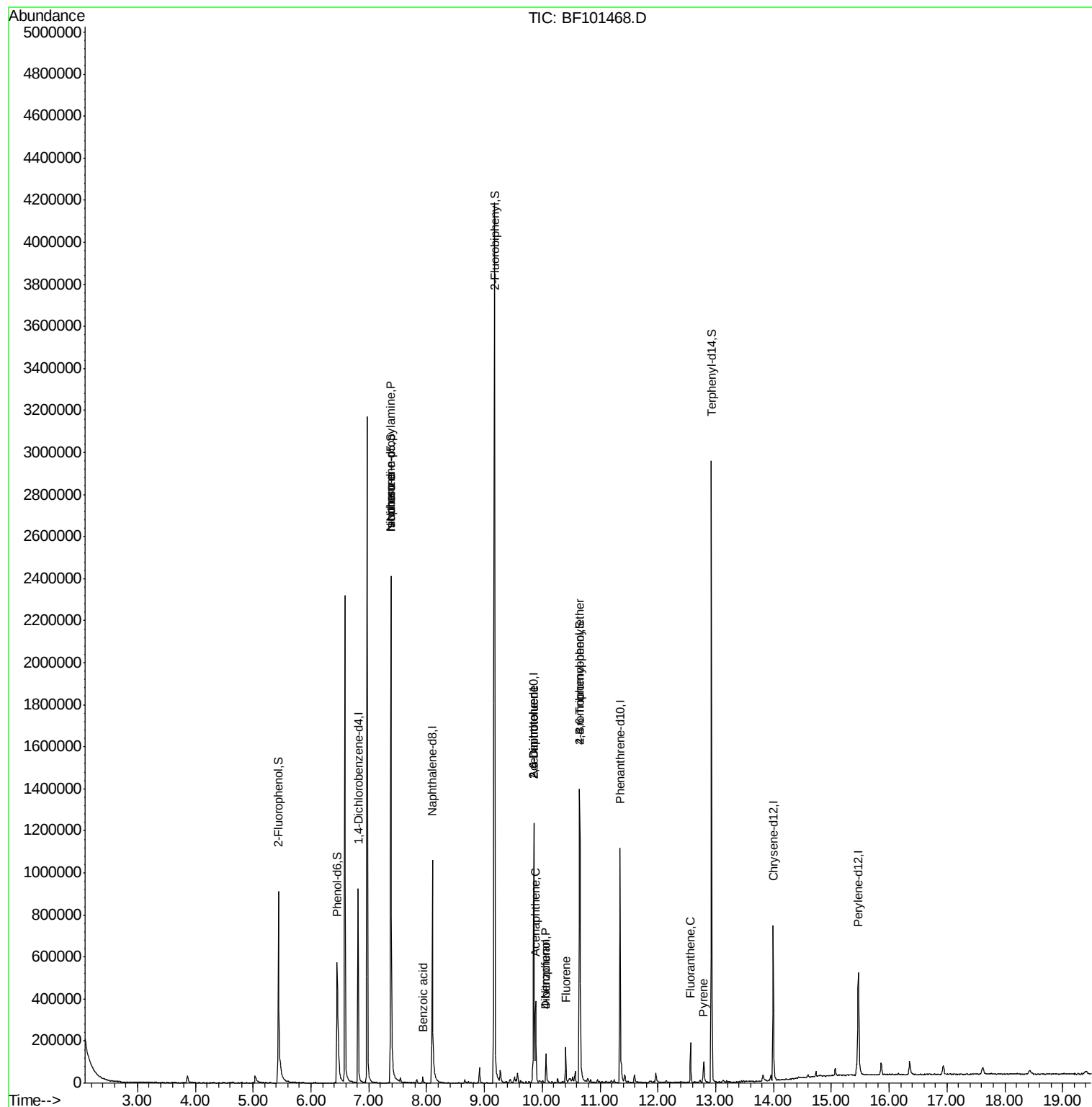
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	118975	14.442	ng	# 81
25) Isophorone	7.39	82	925781	41.896	ng	# 64
32) Benzoic acid	7.93	122	274	7.999	ng	# 44
50) 2,6-Dinitrotoluene	9.85	165	32814	7.979	ng	# 26
51) Acenaphthene	9.89	154	85536	5.280	ng	96
54) Dibenzofuran	10.06	168	63233	3.071	ng	99
55) 4-Nitrophenol	10.06	139	24111	10.784	ng	# 10
56) 2,4-Dinitrotoluene	9.85	165	32814	7.081	ng	# 24
57) Fluorene	10.40	166	49635	2.850	ng	98
66) 4-Bromophenyl-phenylether	10.65	248	12639	2.660	ng	# 1
74) Fluoranthene	12.56	202	80522	3.262	ng	99
77) Pvrene	12.80	202	49231	2.213	ng	98

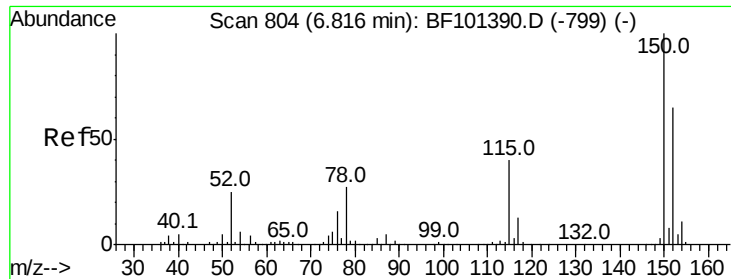
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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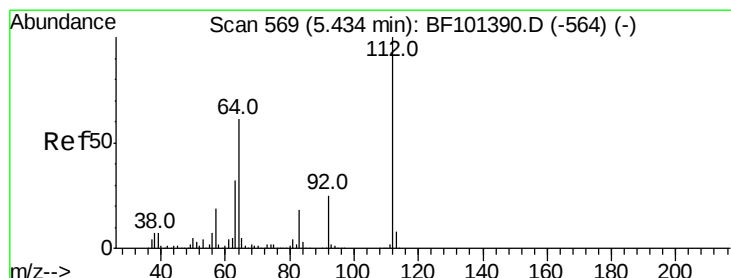
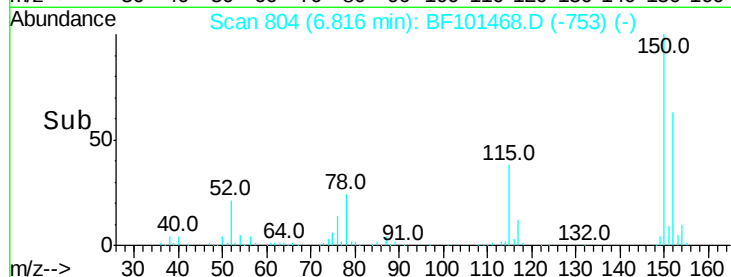
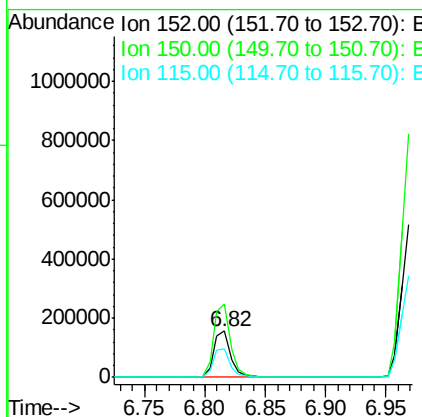
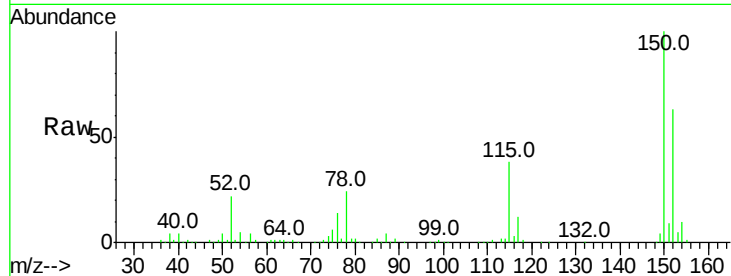


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101468.D
Acq: 16 Dec 2017 3:29

Instrument :
BNA_F
ClientSampleId :

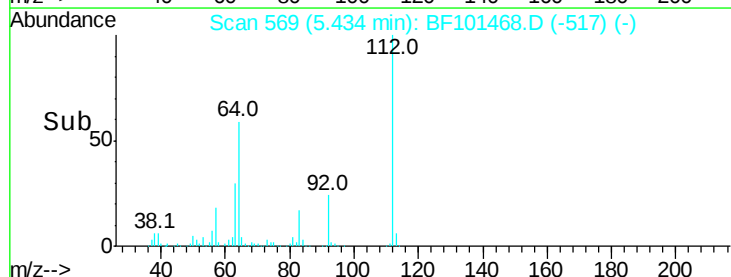
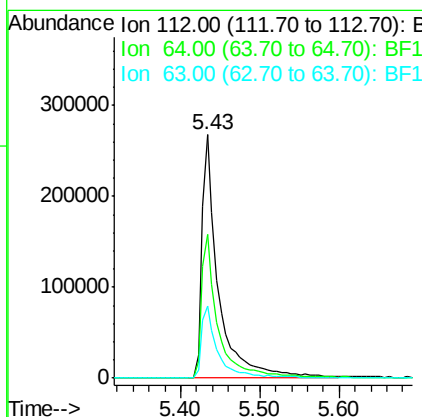
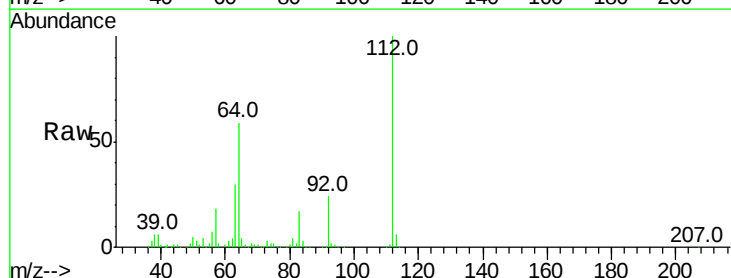
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	60.5	50.1	75.1

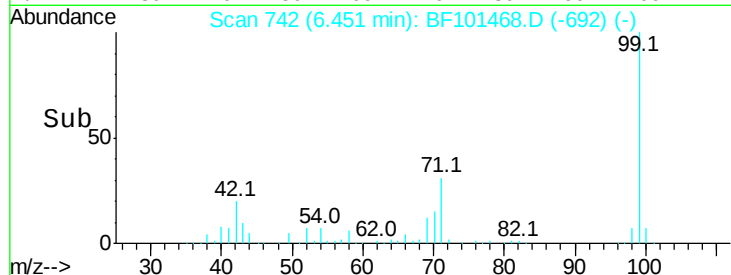
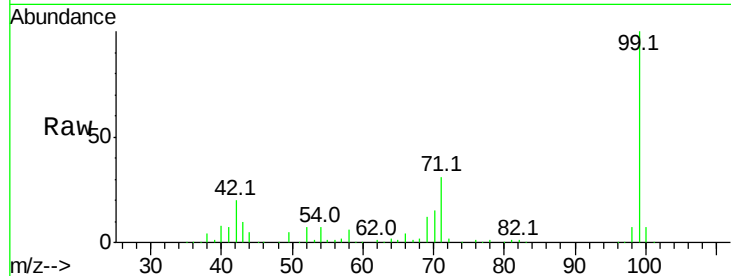
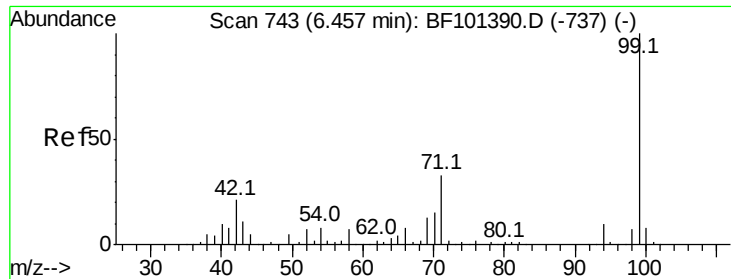


#5

2-Fluorophenol
Concen: 39.029 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101468.D
Acq: 16 Dec 2017 3:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 23.131 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

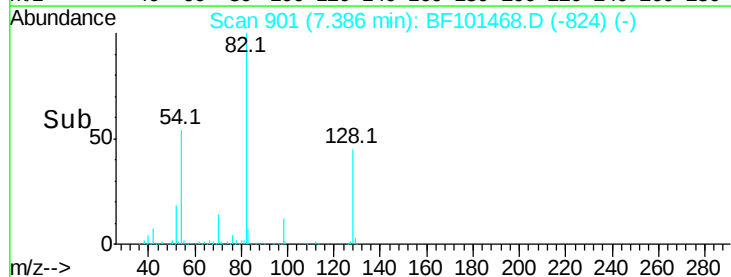
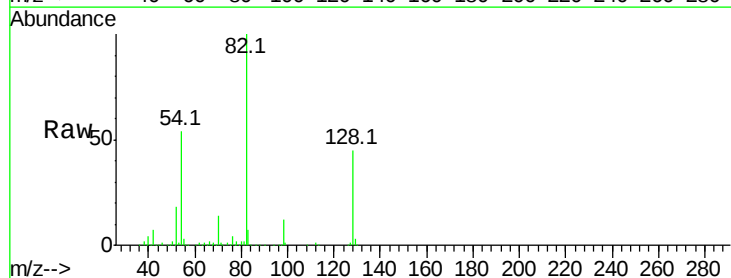
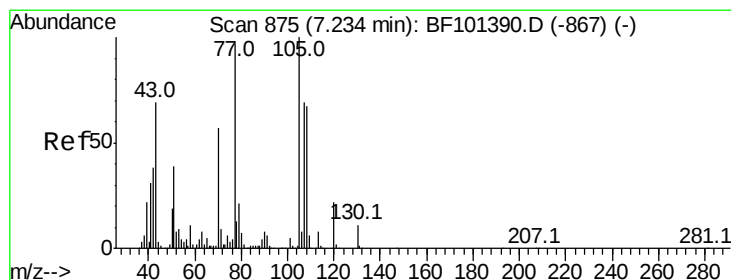
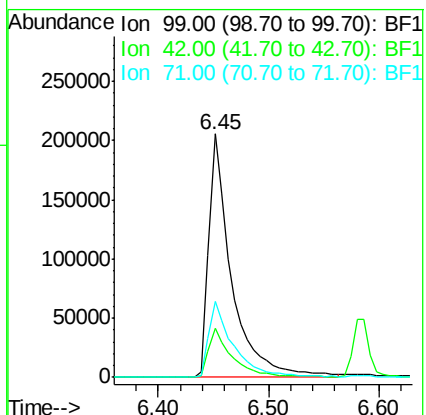
Tot Ion: 99 Resp: 290158

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.442 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Tgt Ion: 70 Resp: 118975

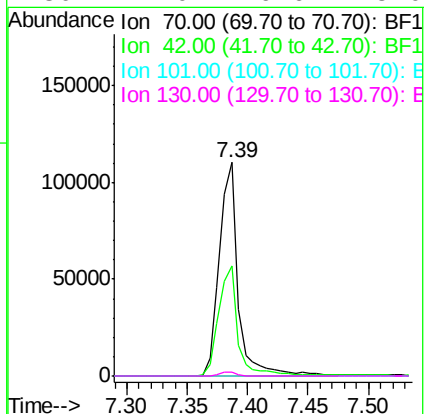
Ion Ratio Lower Upper

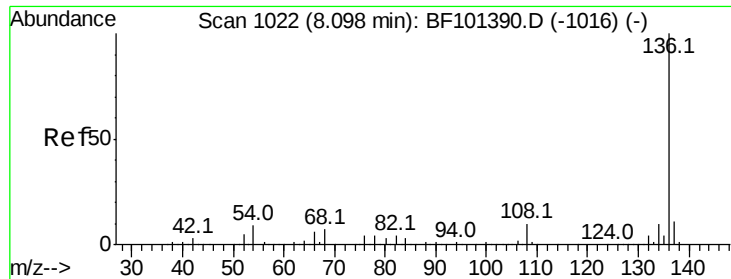
70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

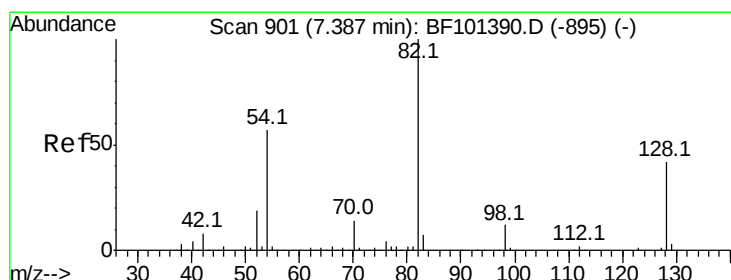
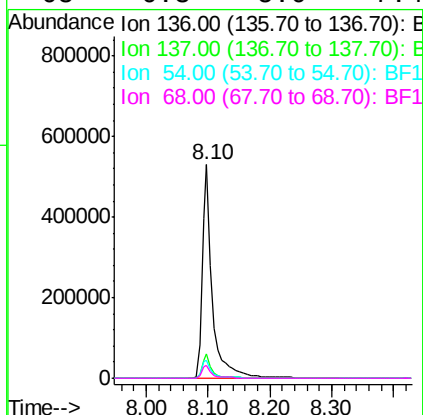
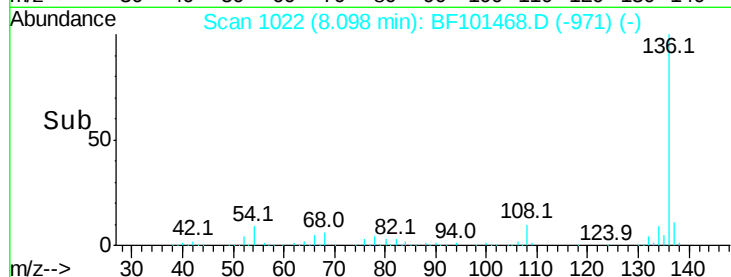
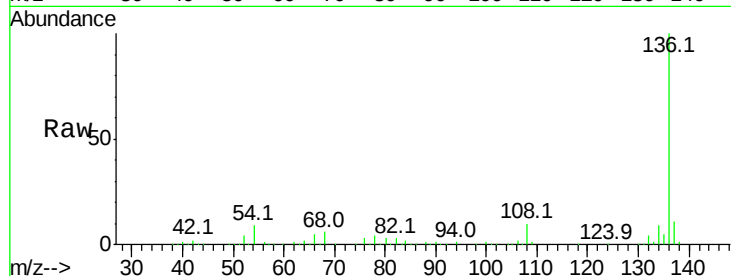




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF101468.D
Acq: 16 Dec 2017 3:29

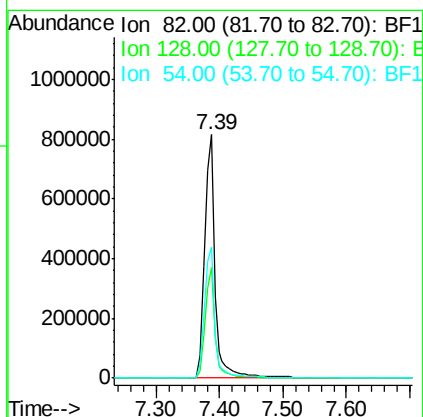
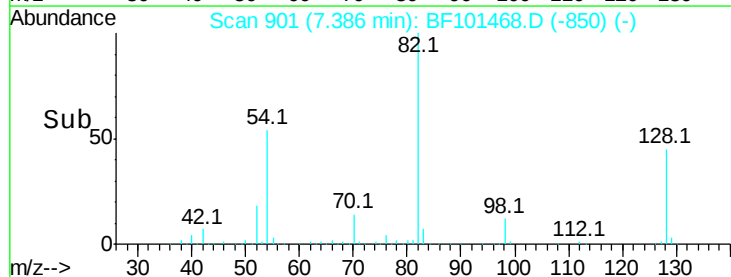
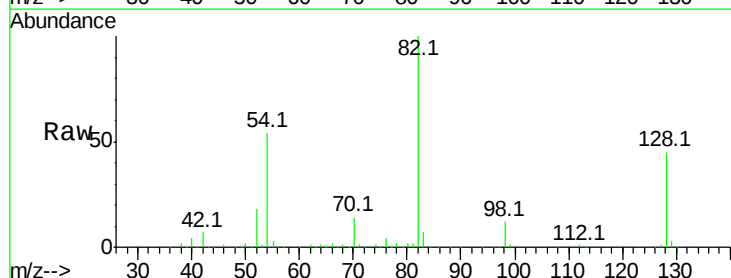
Instrument :
BNA_F
ClientSampleId :

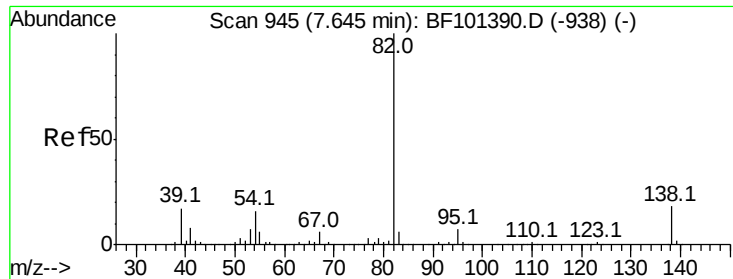
Tot Ion:136	Resp:	613162
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	8.5	6.6 9.8
68	6.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 84.047 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF101468.D
Acq: 16 Dec 2017 3:29

Tgt Ion: 82	Resp:	925787
Ion Ratio	Lower	Upper
82	100	
128	45.3	36.1 54.1
54	53.7	41.4 62.2





#25

Isophorone

Concen: 41.896 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.25 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

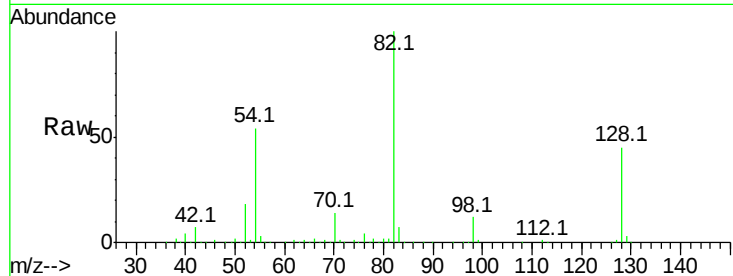
Tot Ion: 82 Resp: 925781

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

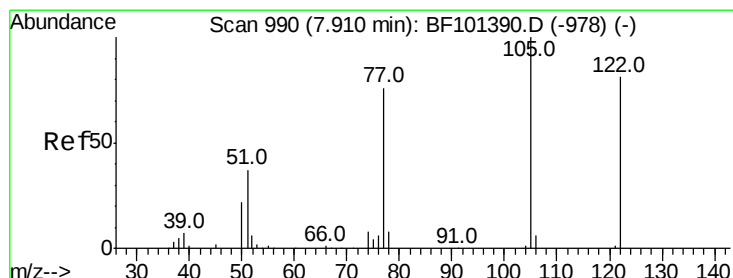
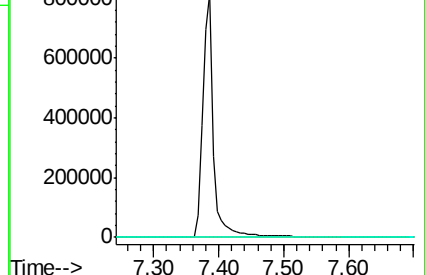
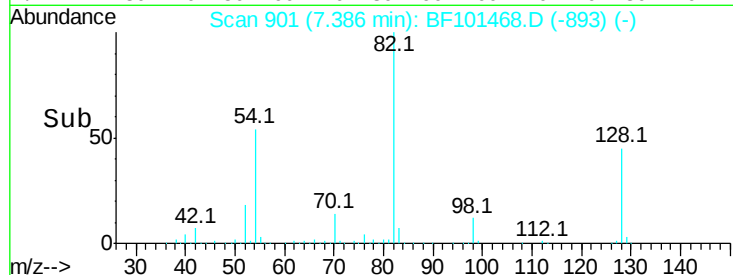
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.999 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.02 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

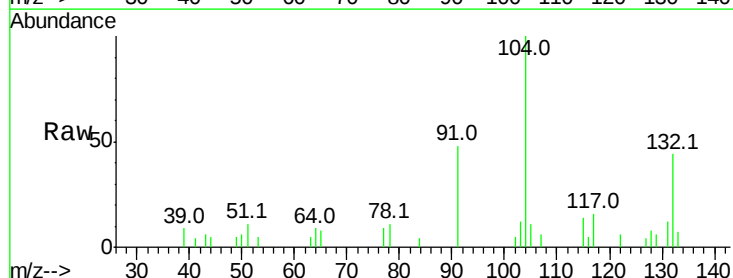
Tgt Ion: 122 Resp: 274

Ion Ratio Lower Upper

122 100

105 186.1 101.1 141.1#

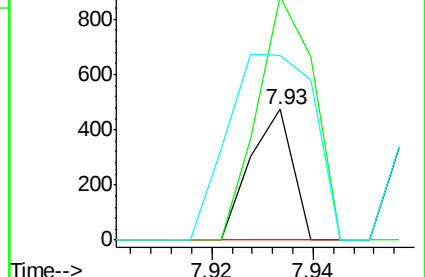
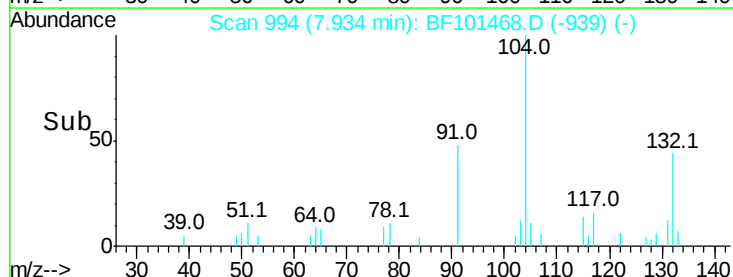
77 140.9 70.7 110.7#

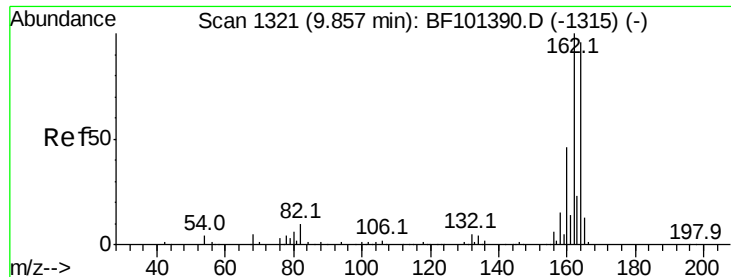


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

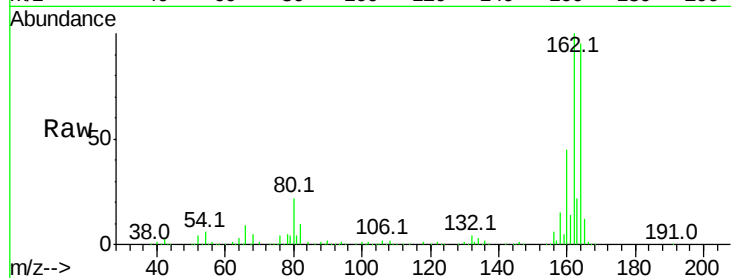
Tot Ion:164 Resp: 251576

Ion Ratio Lower Upper

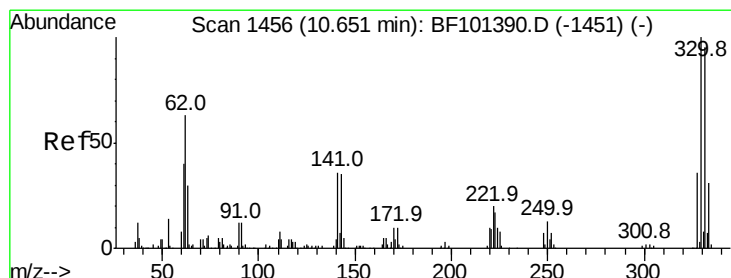
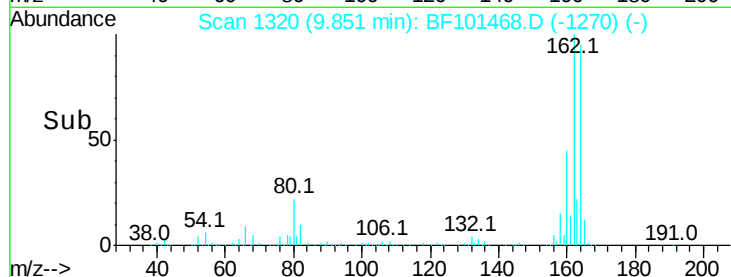
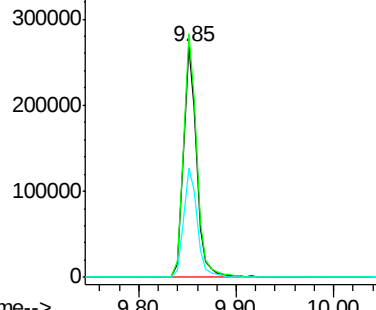
164 100

162 105.6 86.1 129.1

160 47.4 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: 82.552 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

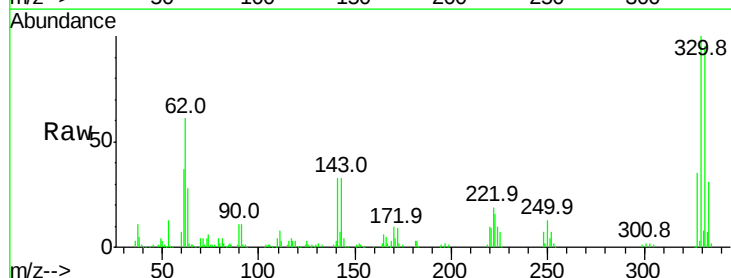
Tgt Ion:330 Resp: 200118

Ion Ratio Lower Upper

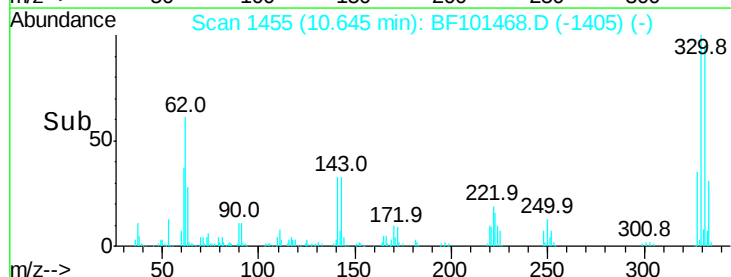
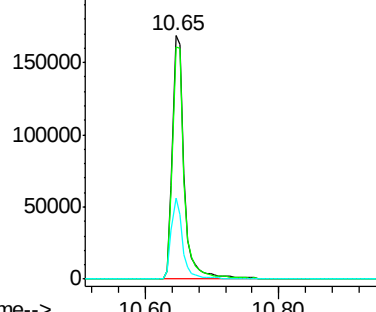
330 100

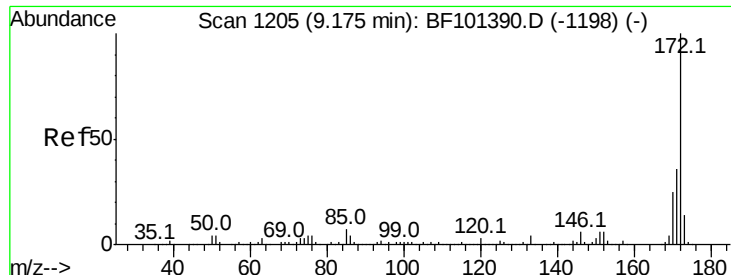
332 95.7 77.0 115.6

141 32.3 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



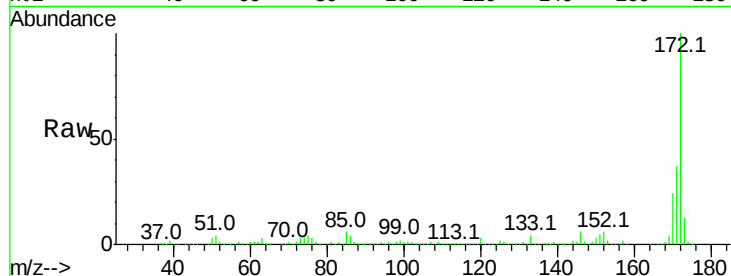


#44
 2-Fluorobiphenyl
 Concen: 91.607 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

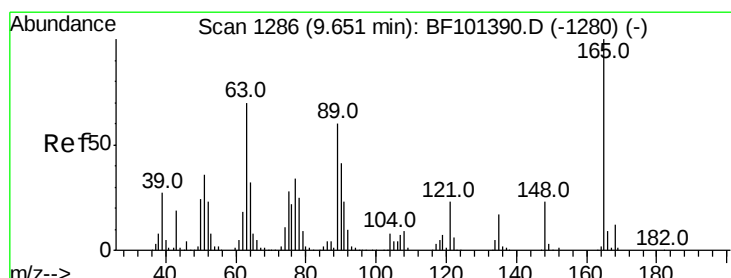
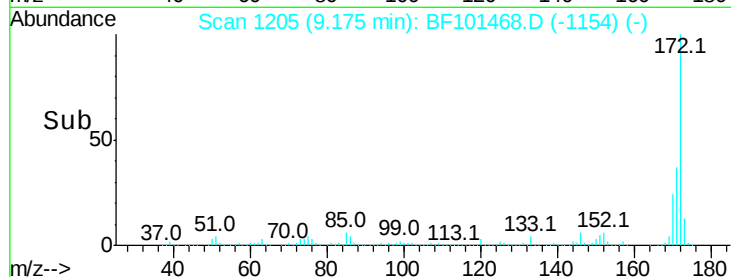
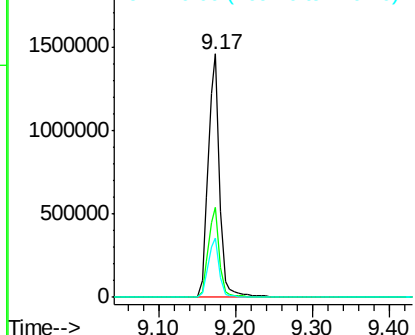
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1485659

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.3	19.6	29.4



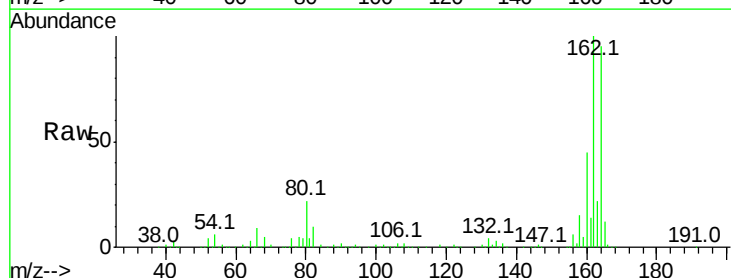
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



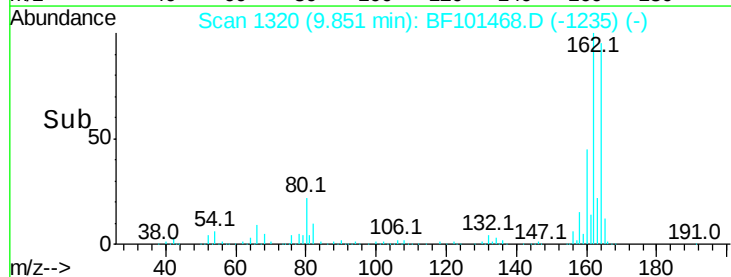
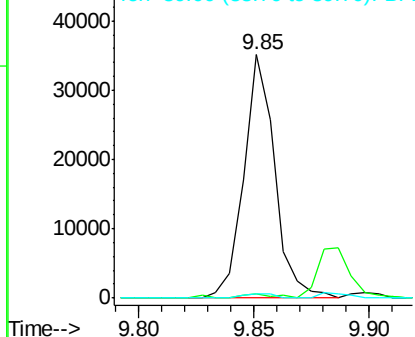
#50
 2,6-Dinitrotoluene
 Concen: 7.979 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

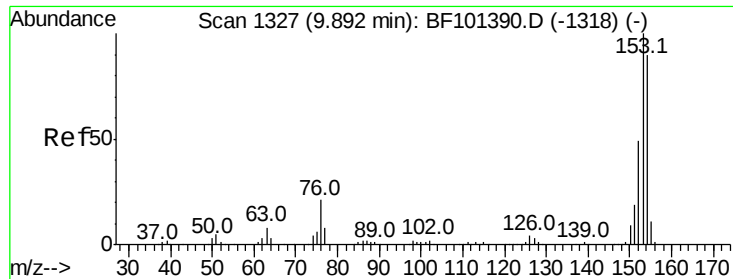
Tgt Ion:165 Resp: 32814

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.7	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 5.280 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

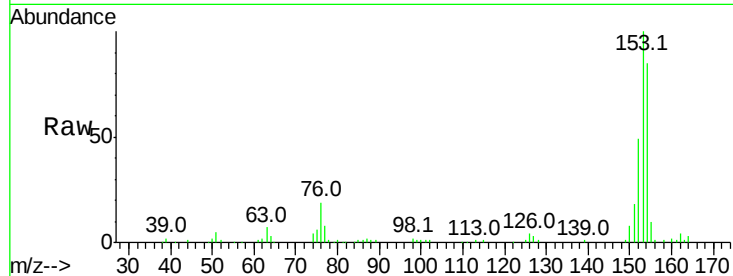
Tot Ion:154 Resp: 85536

Ion Ratio Lower Upper

154 100

153 118.2 91.2 136.8

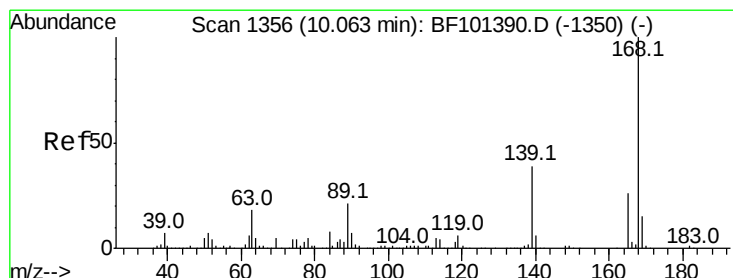
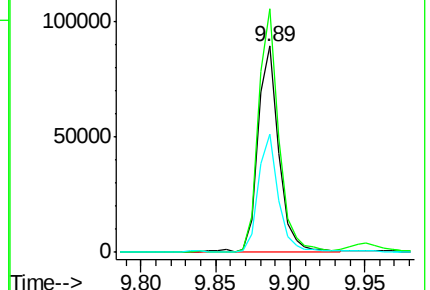
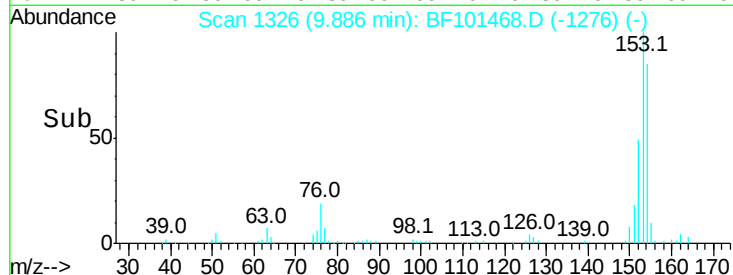
152 57.5 43.8 65.8



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: 3.071 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

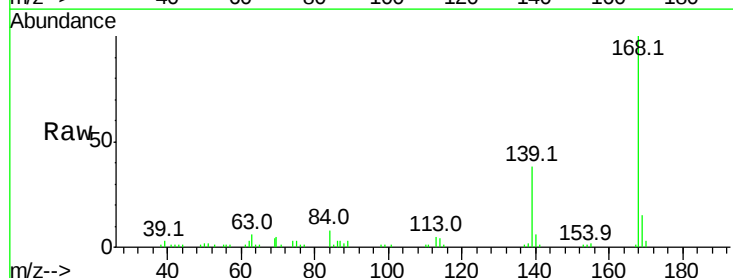
Tgt Ion:168 Resp: 63233

Ion Ratio Lower Upper

168 100

139 38.1 30.1 45.1

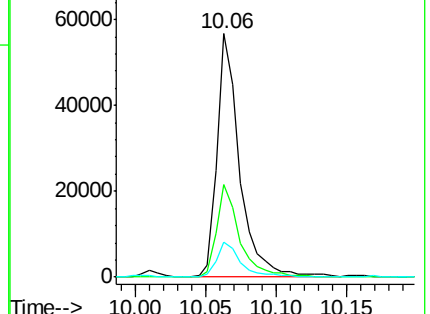
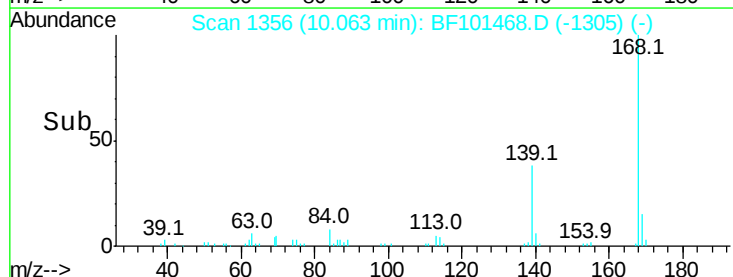
169 14.5 10.9 16.3

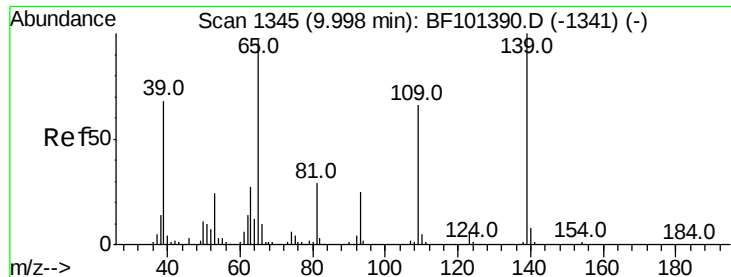


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 10.784 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.06 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

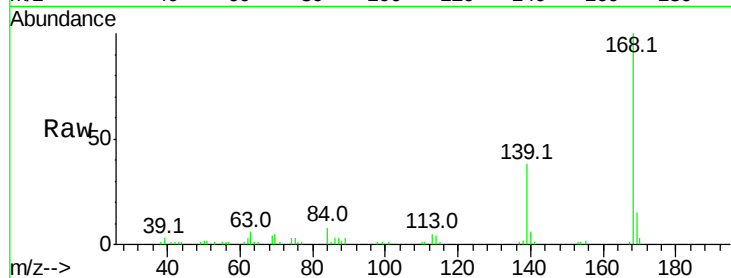
Tot Ion:139 Resp: 24111

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

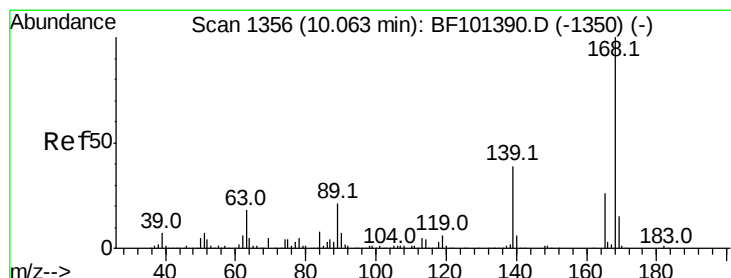
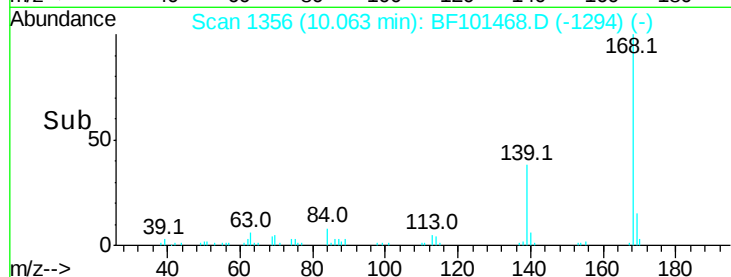
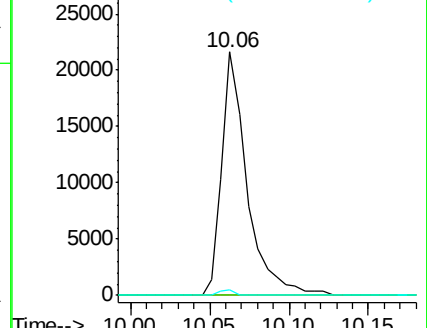
65 2.3 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 7.081 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Tgt Ion:165 Resp: 32814

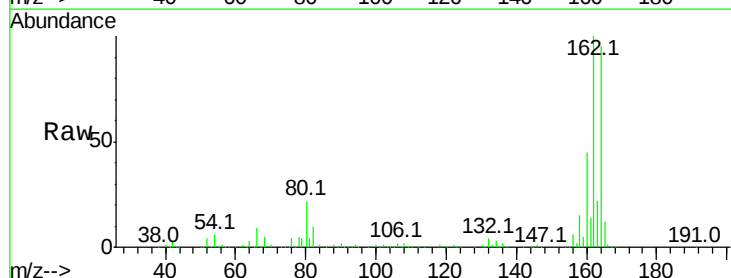
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

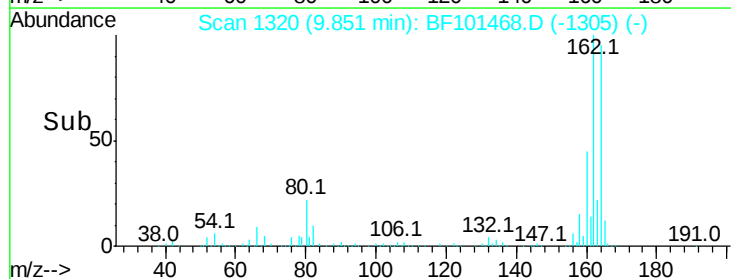
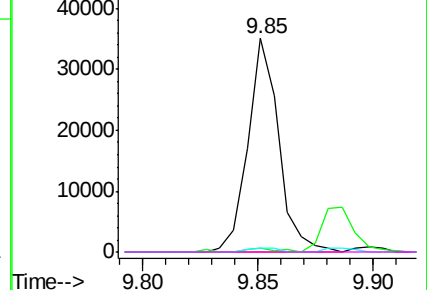


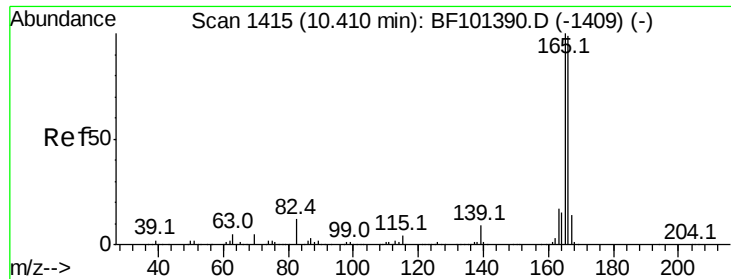
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

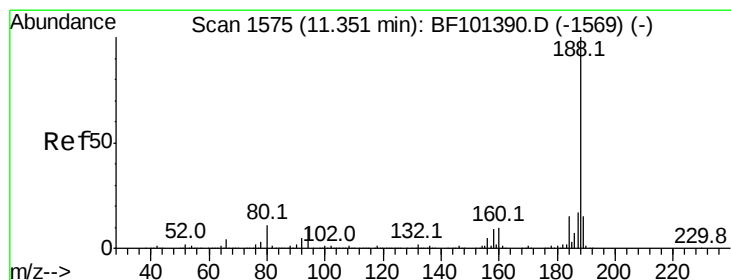
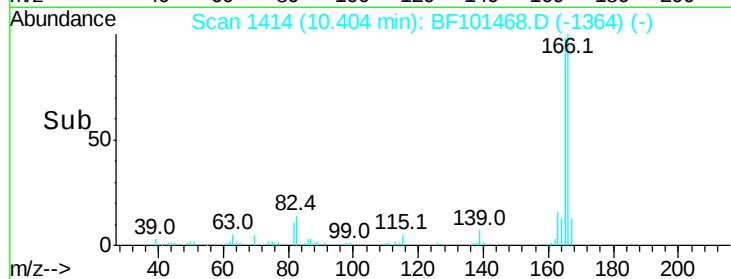
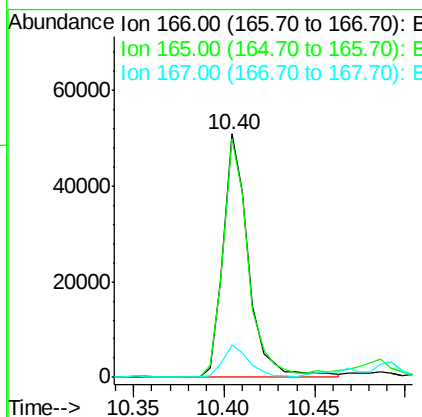
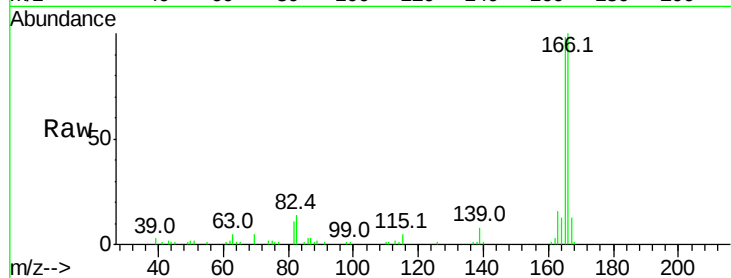




#57
 Fluorene
 Concen: 2.850 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

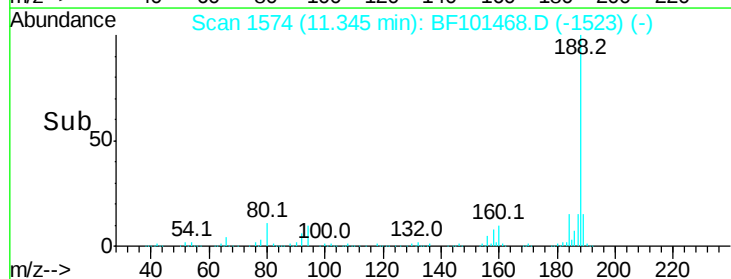
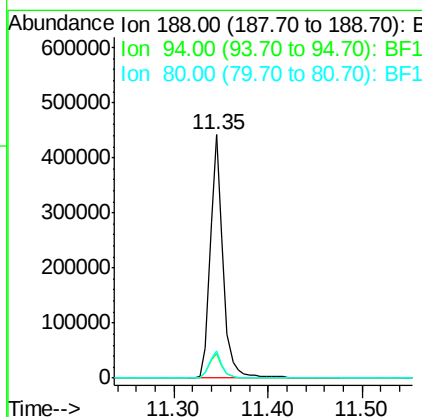
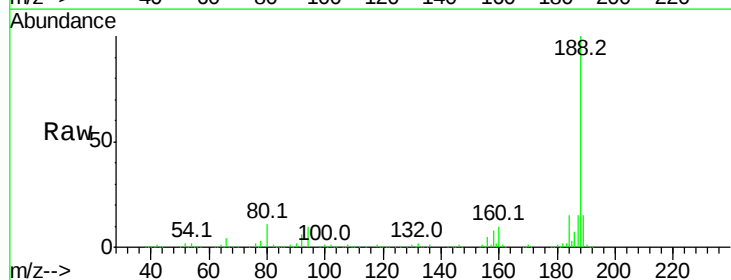
Instrument :
 BNA_F
 ClientSampleId :

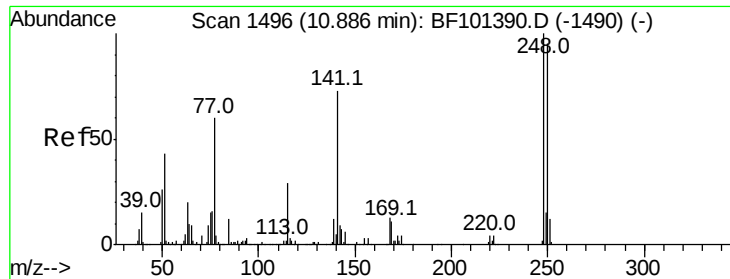
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	13.5	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.1	9.2	13.8

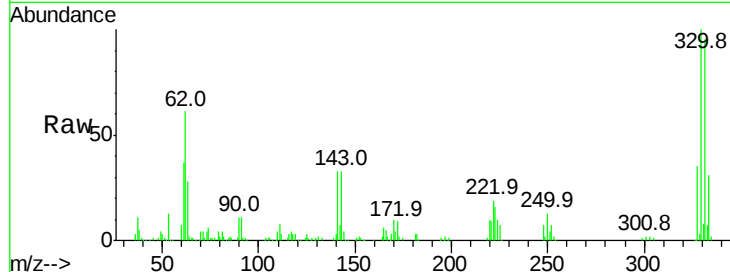




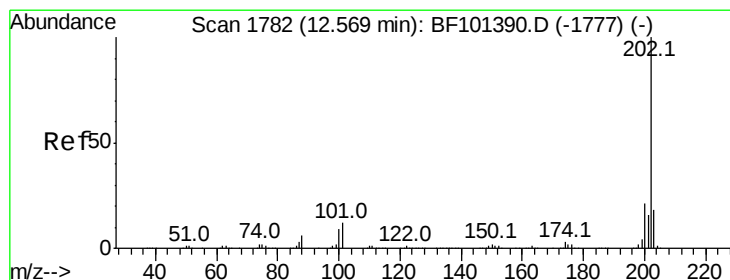
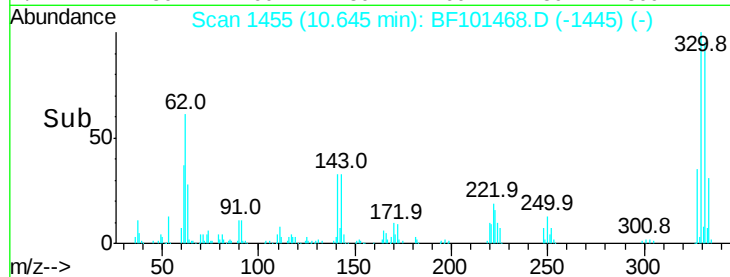
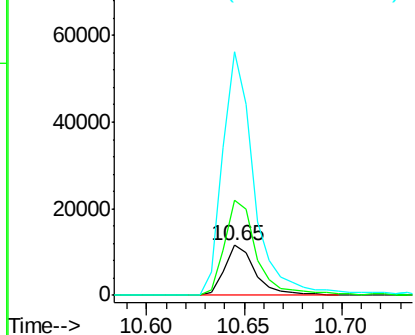
#66
 4-Bromophenyl-phenylether
 Concen: 2.660 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	190.2	76.9	115.3	
141	486.4	74.4	111.6	

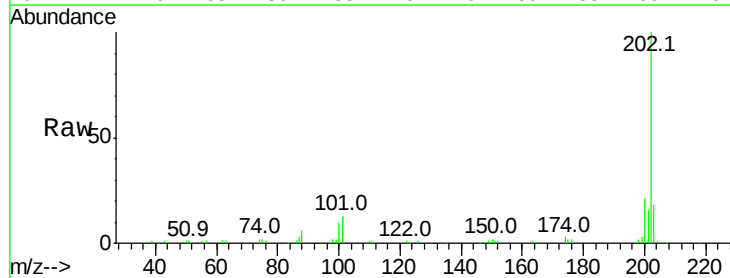


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

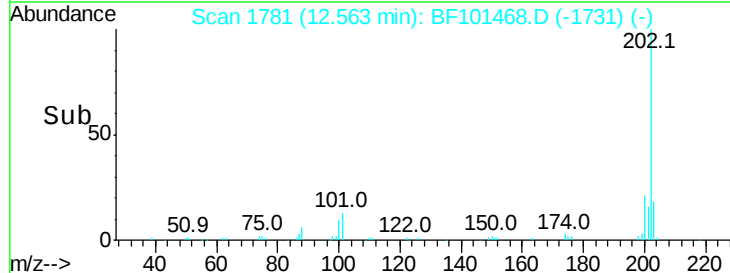
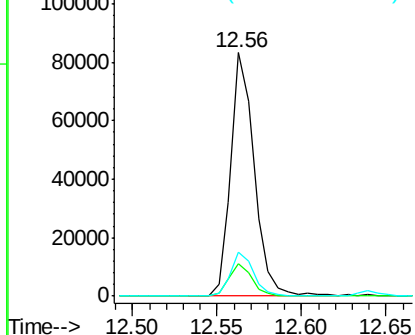


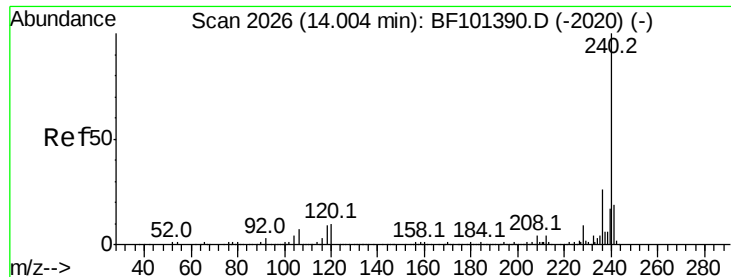
#74
 Fluoranthene
 Concen: 3.262 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101468.D
 Acq: 16 Dec 2017 3:29

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	13.4	0.0	34.1	
203	18.0	0.0	38.1	



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

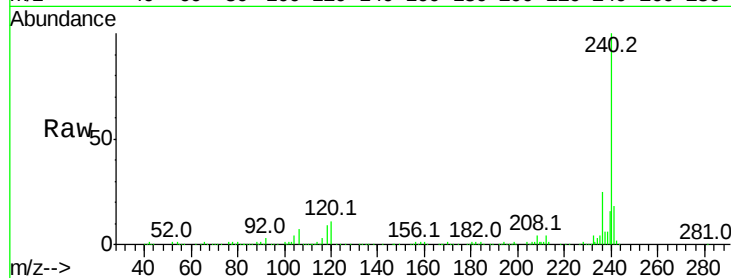
Tot Ion:240 Resp: 296394

Ion Ratio Lower Upper

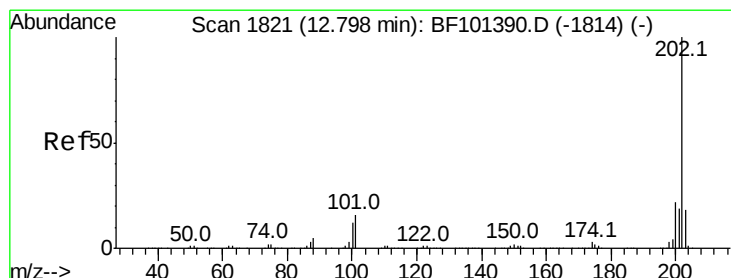
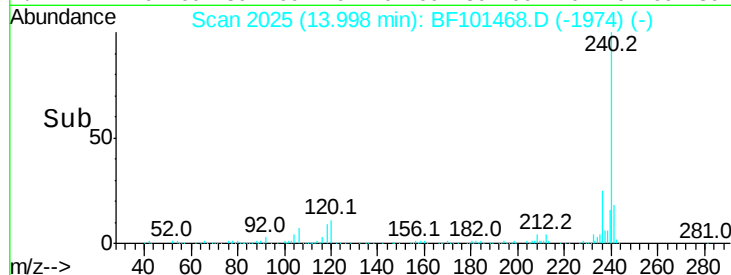
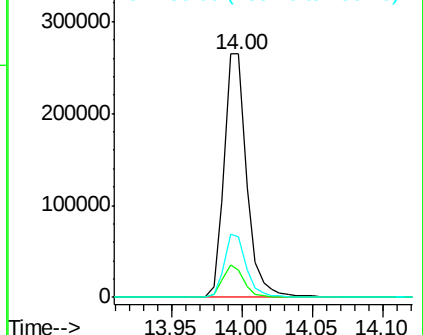
240 100

120 11.1 9.5 14.3

236 24.8 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



#77

Pyrene

Concen: 2.213 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

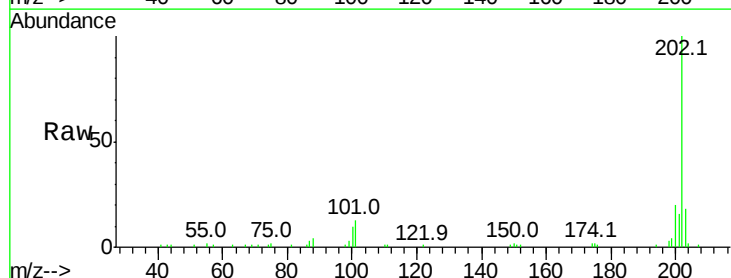
Tgt Ion:202 Resp: 49231

Ion Ratio Lower Upper

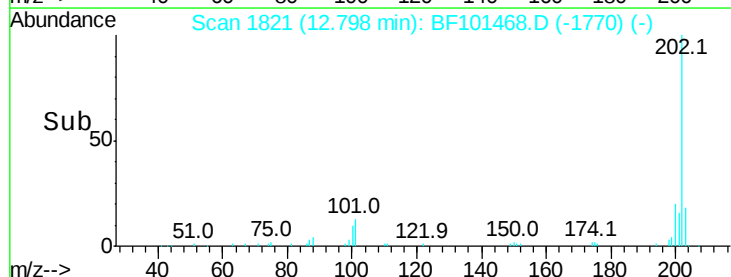
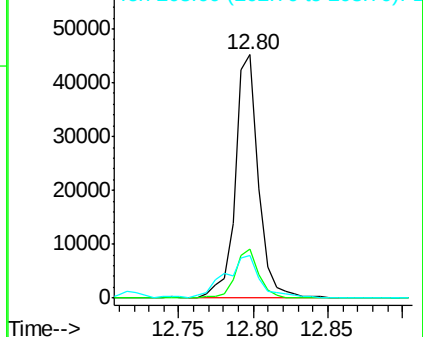
202 100

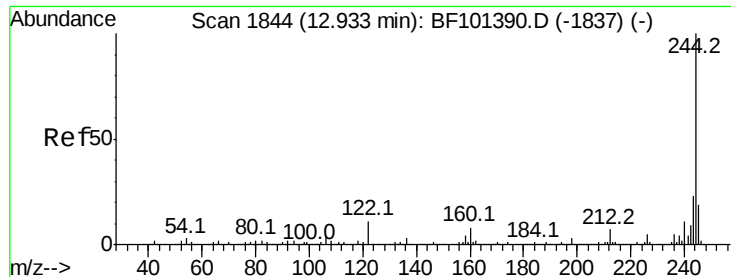
200 20.4 17.4 26.2

203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.722 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

Instrument :

BNA_F

ClientSampleId :

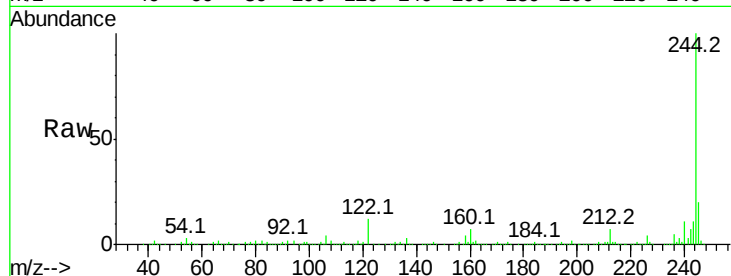
Tot Ion:244 Resp: 1103094

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

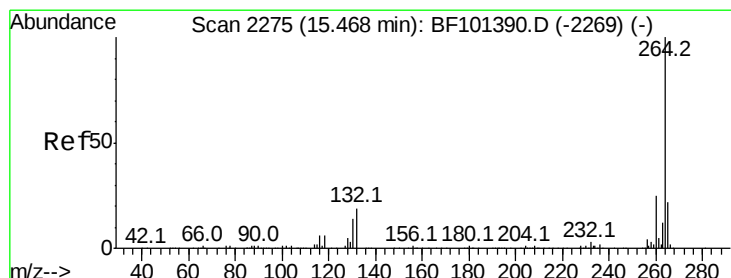
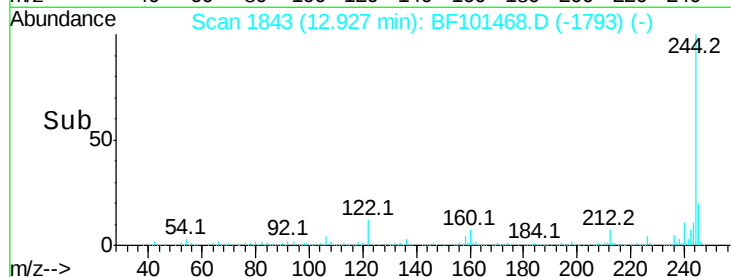
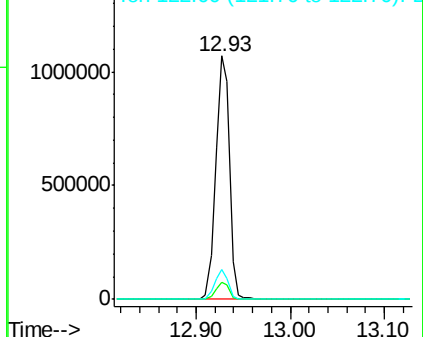
122 12.2 11.0 16.4



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: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF101468.D

Acq: 16 Dec 2017 3:29

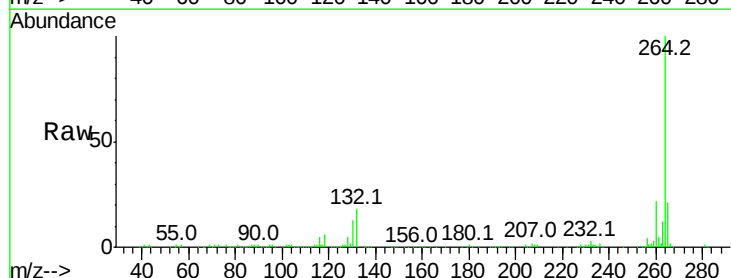
Tgt Ion:264 Resp: 273453

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 20.6 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

