

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101436.D
 Acq On : 15 Dec 2017 11:05
 Operator : SJ/JU
 Sample : I6847-01DL 500X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 12:28:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	176714	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	685151	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	307298	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	532782	20.00	ng	0.00
75) Chrysene-d12	13.99	240	340949	20.00	ng	-0.01
86) Perylene-d12	15.46	264	326386	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	324	0.02	ng	0.00
78) Terphenyl-d14	12.93	244	683	0.05	ng	0.00

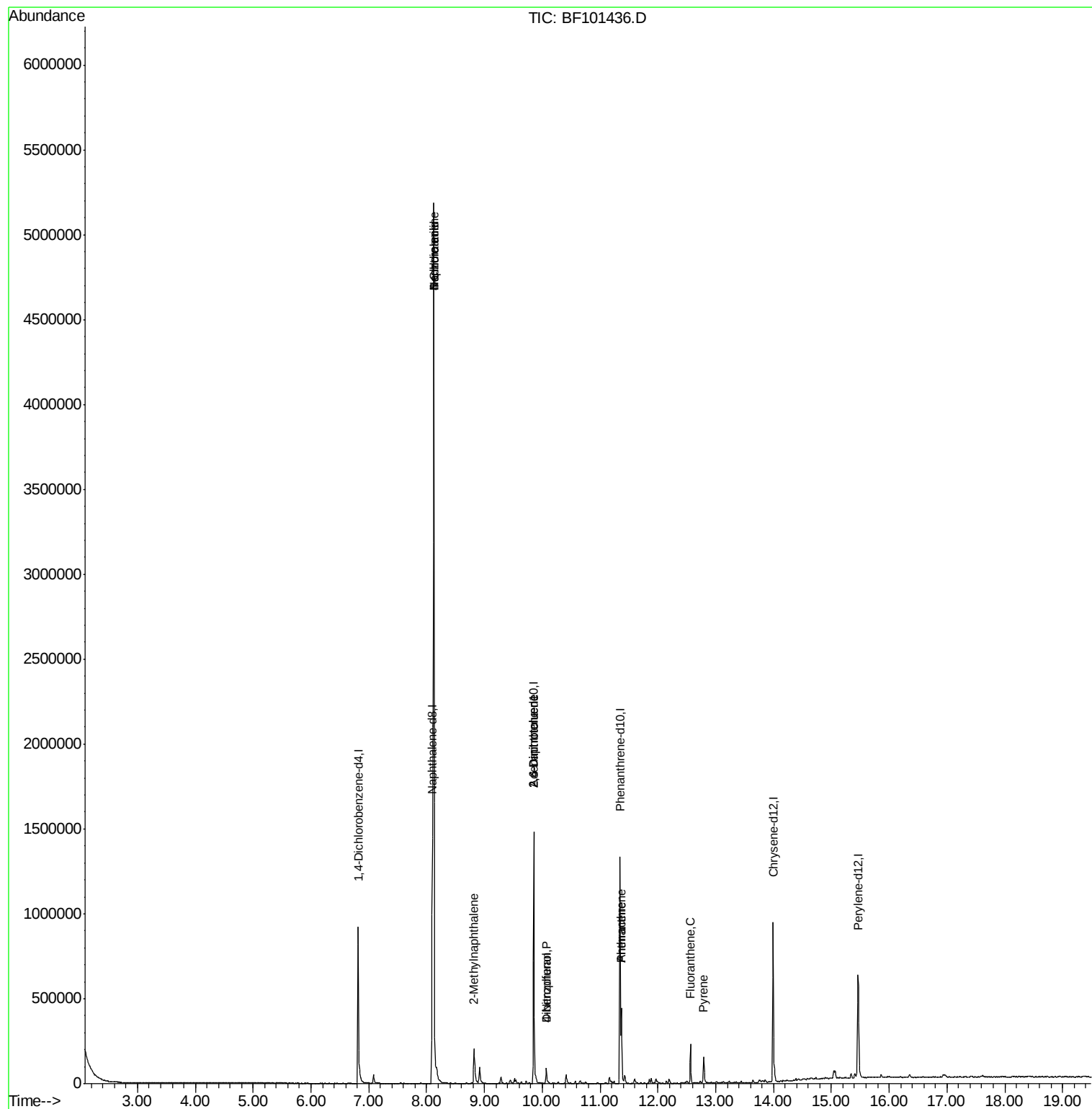
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.13	128	2891843	83.838	ng	98
32) Benzoic acid	8.13	122	6495	8.770	ng	# 1
33) 4-Chloroaniline	8.13	127	398156	26.558	ng	# 34
37) 2-Methylnaphthalene	8.82	142	101083	4.498	ng	100
50) 2,6-Dinitrotoluene	9.85	165	39838	7.930	ng	# 26
54) Dibenzofuran	10.07	168	51102	2.032	ng	96
55) 4-Nitrophenol	10.07	139	18445	6.754	ng	# 10
56) 2,4-Dinitrotoluene	9.85	165	39967	7.061	ng	# 23
70) Phenanthrene	11.37	178	170798	5.765	ng	97
71) Anthracene	11.37	178	170798	5.643	ng	99
74) Fluoranthene	12.56	202	103926	3.342	ng	97
77) Pvrene	12.80	202	72311	2.826	ng	98

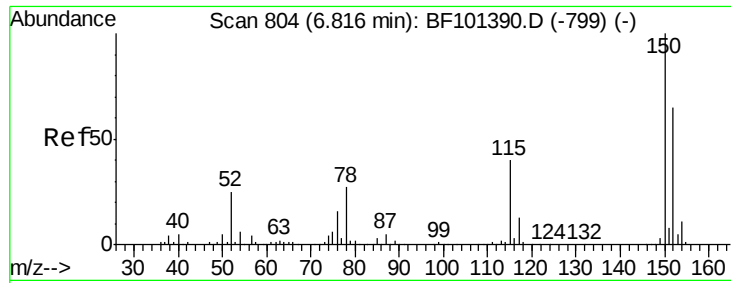
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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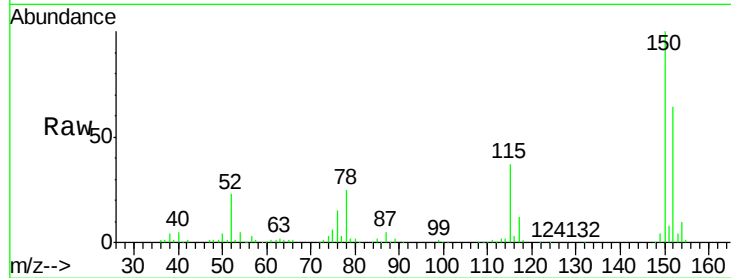


#1

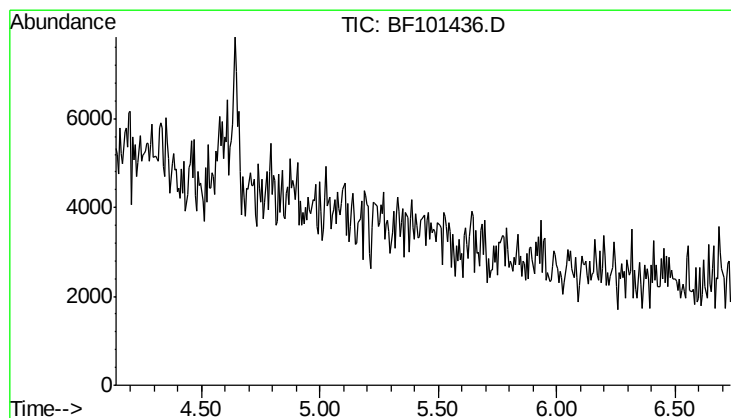
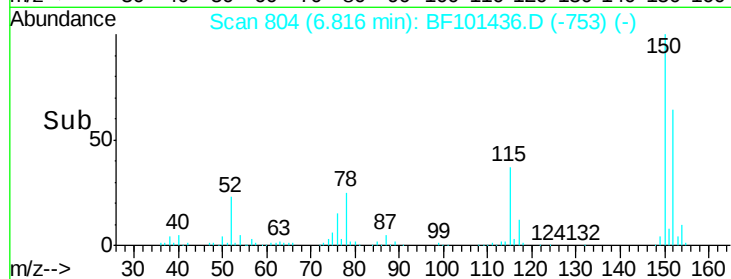
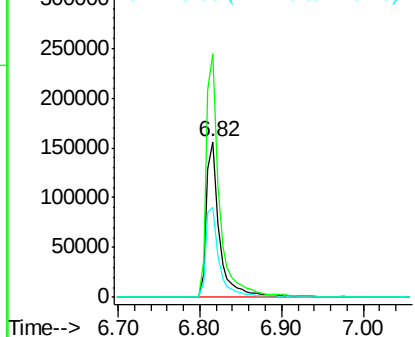
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 176714
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 58.2 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

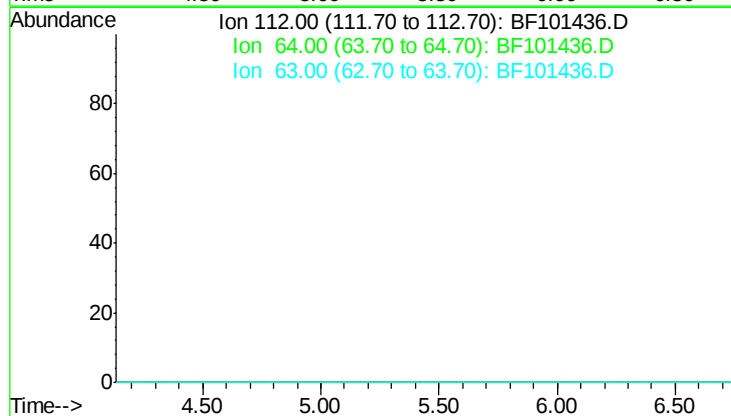


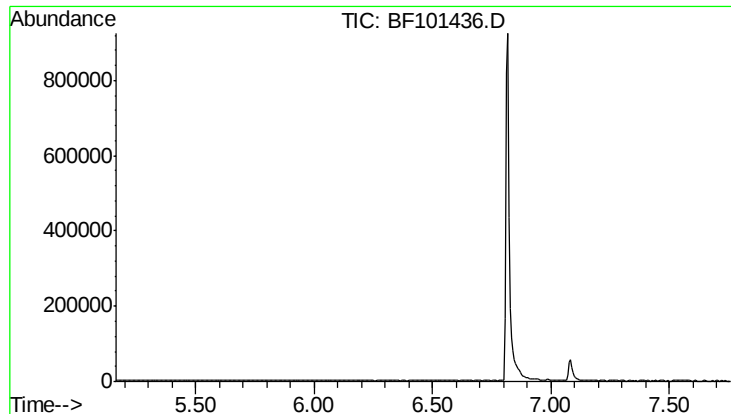
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.43 min

Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 59.9
 63 29.6

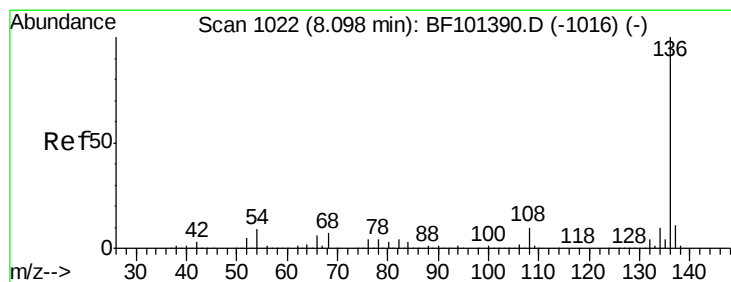
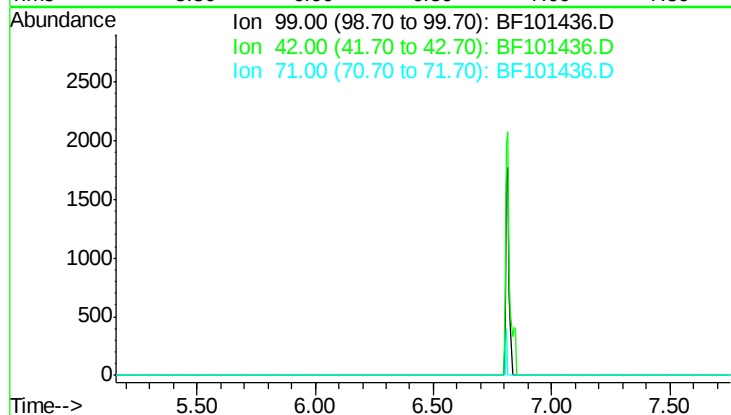




#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.46 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

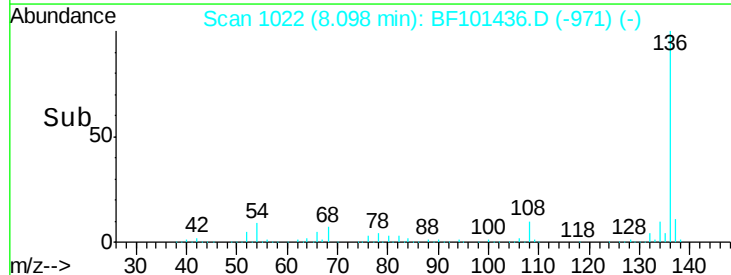
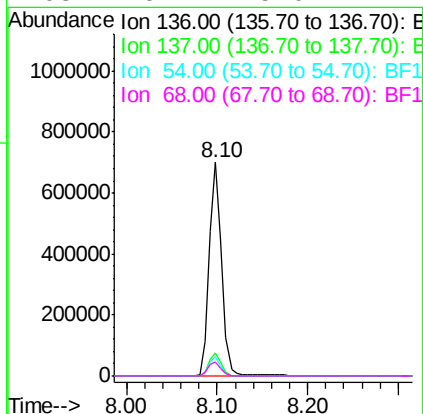
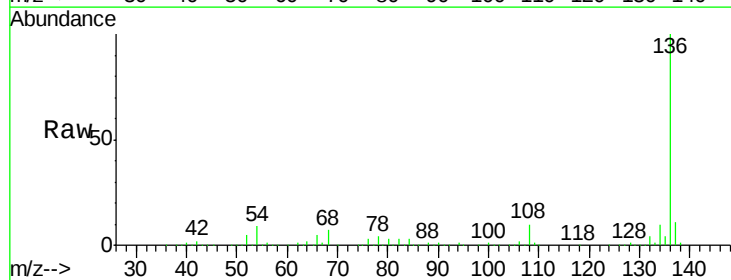
Instrument :
 BNA_F
 ClientSampleId :

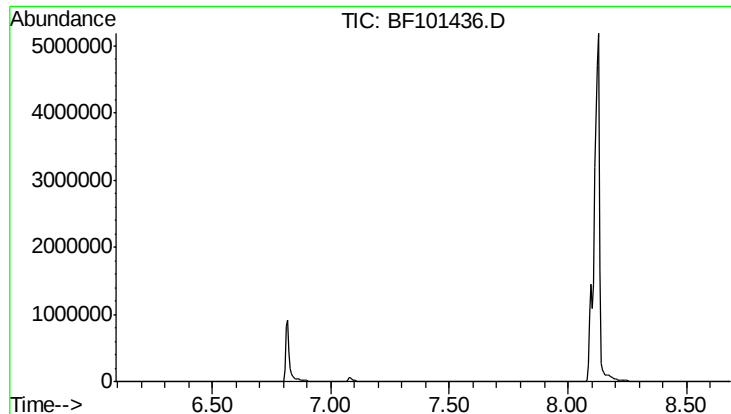
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 18.1
 71 31.7



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

Tgt Ion: 136 Resp: 685151
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 9.1 6.6 9.8
 68 6.7 5.0 7.4

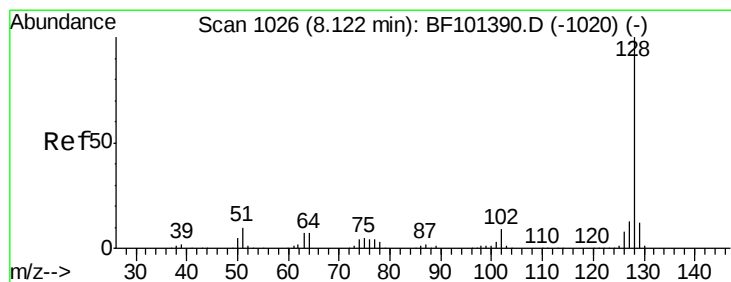
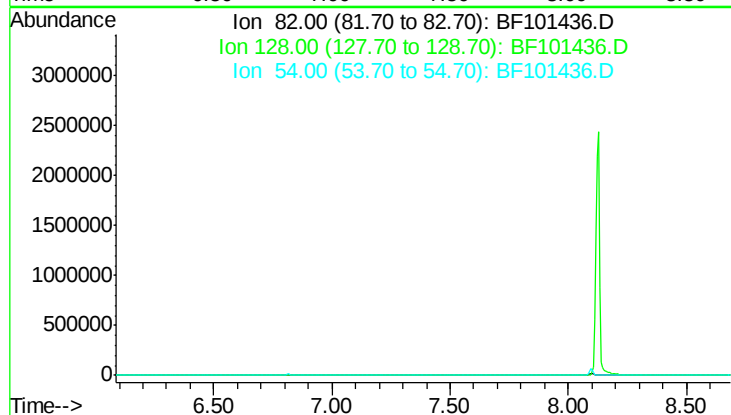




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.39 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

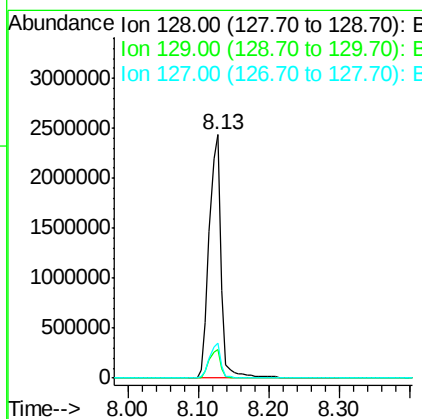
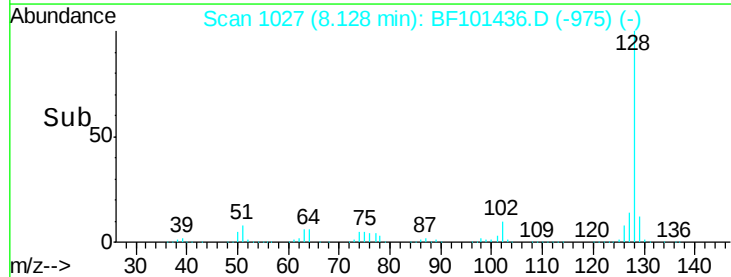
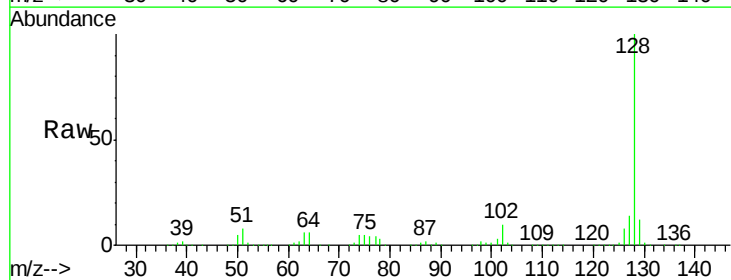
Instrument :
 BNA_F
 ClientSampleId :

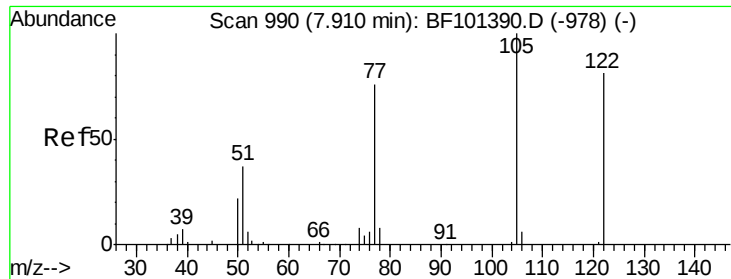
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 45.1
 54 51.8



#31
 Naphthalene
 Concen: 83.838 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

Tgt Ion: 128 Resp: 2891843
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.8 13.2
 127 14.2 10.9 16.3

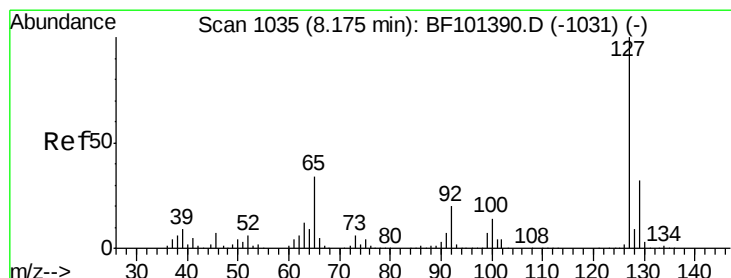
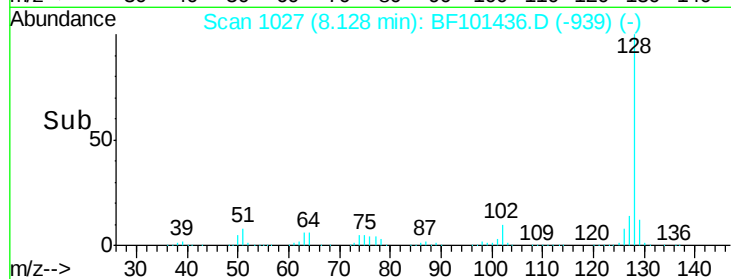
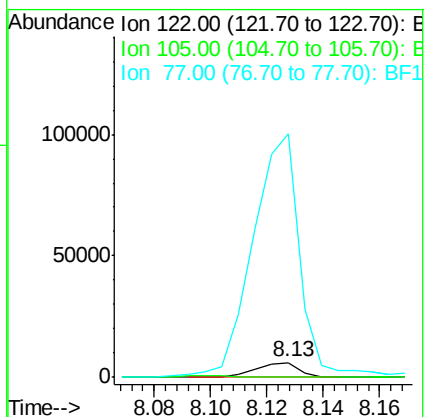
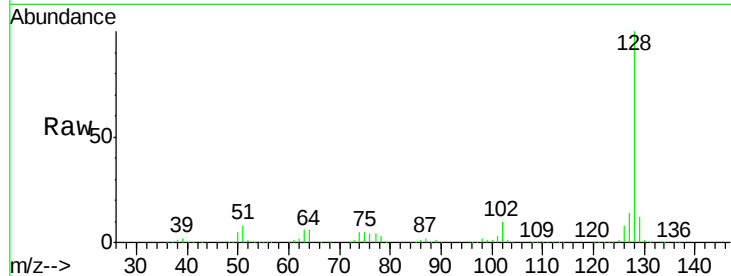




#32
Benzoic acid
Concen: 8.770 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.22 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

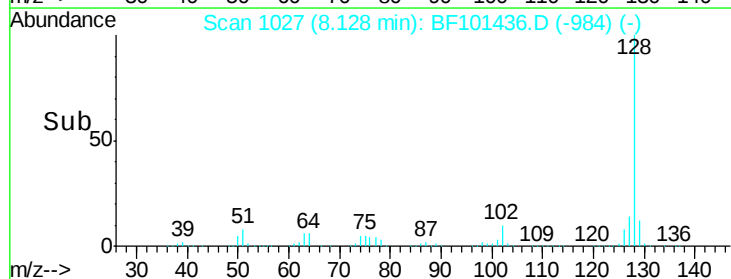
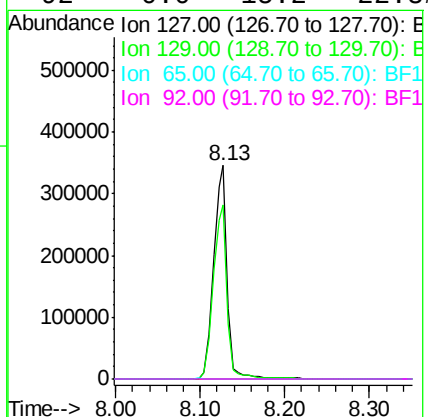
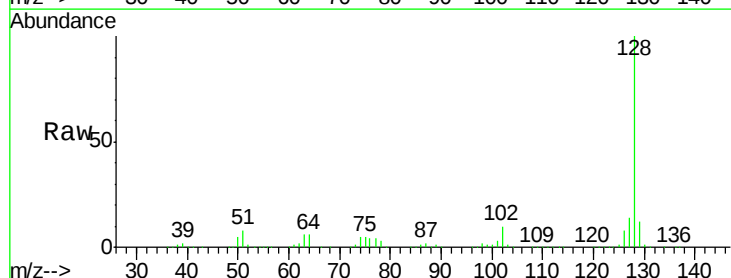
Instrument :
BNA_F
ClientSampleId :

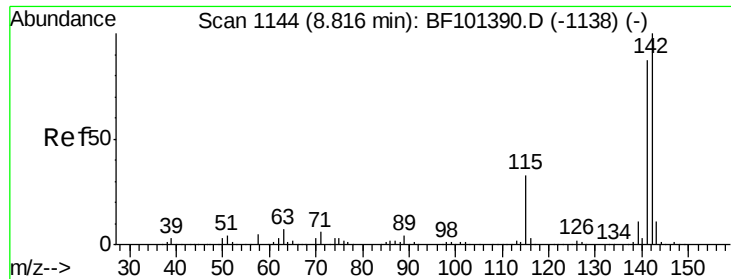
Tot Ion:122 Resp: 6495
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 1611.3 70.7 110.7#



#33
4-Chloroaniline
Concen: 26.558 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

Tgt Ion:127 Resp: 398156
Ion Ratio Lower Upper
127 100
129 81.8 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

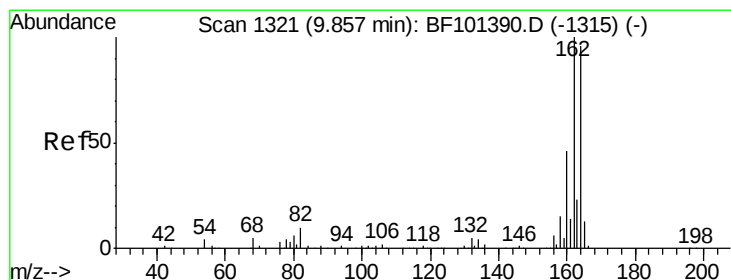
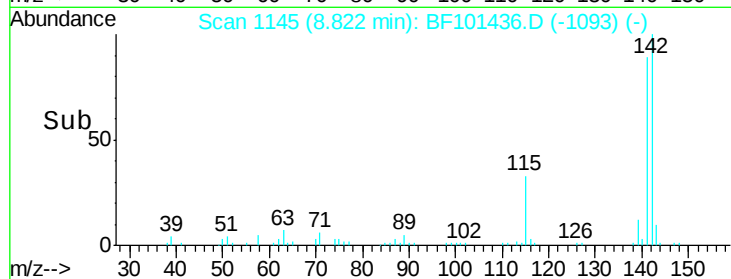
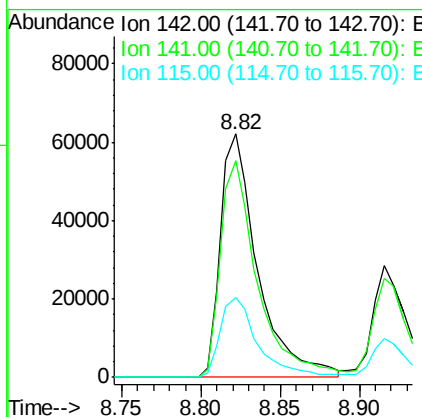
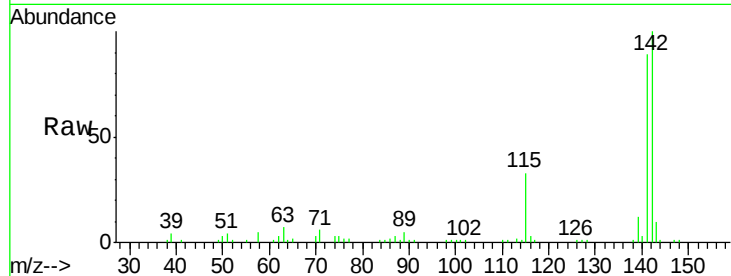




#37
2-Methylnaphthalene
Concen: 4.498 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

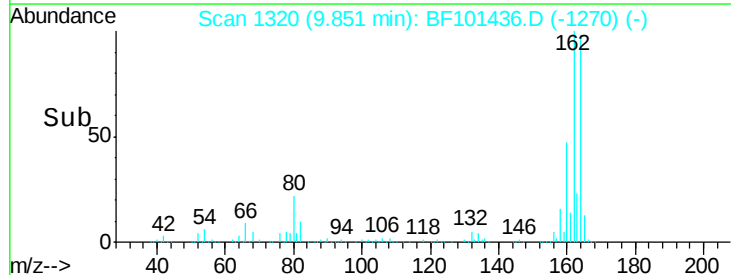
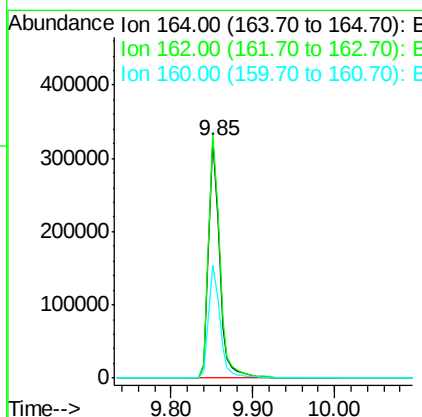
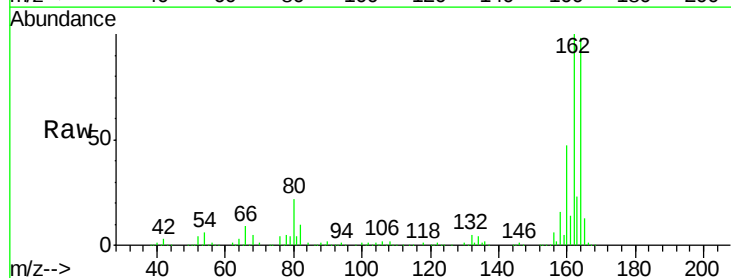
Instrument :
BNA_F
ClientSampleId :

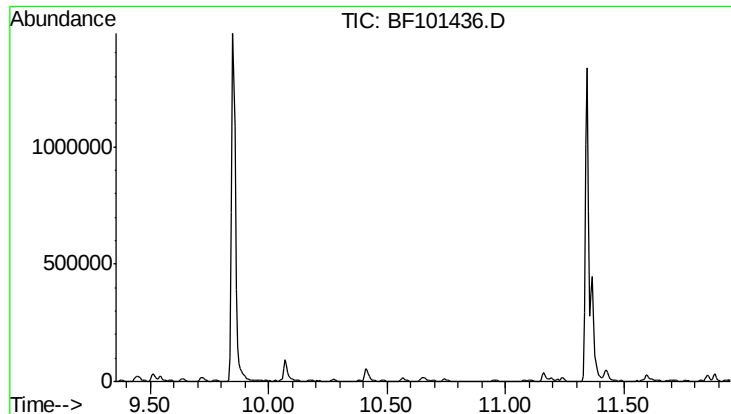
Tot Ion:142 Resp: 101083
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2
115 32.5 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

Tgt Ion:164 Resp: 307298
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 47.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.65 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

Instrument :

BNA_F

ClientSampleId :

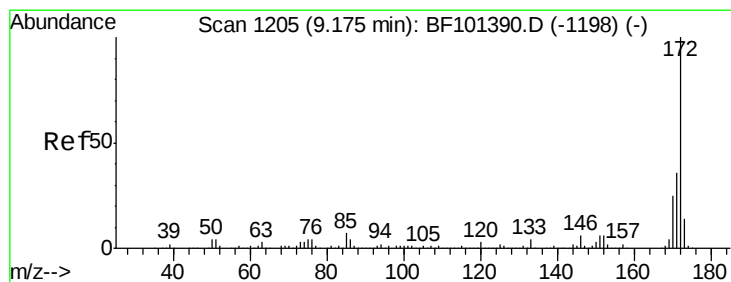
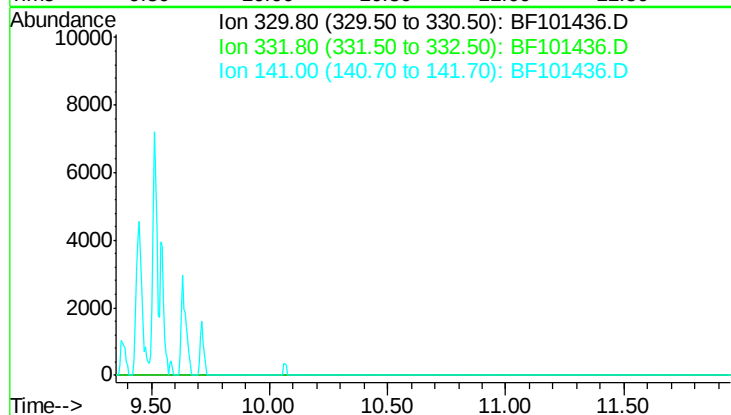
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.3

141 37.4



#44

2-Fluorobiphenyl

Concen: 0.016 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

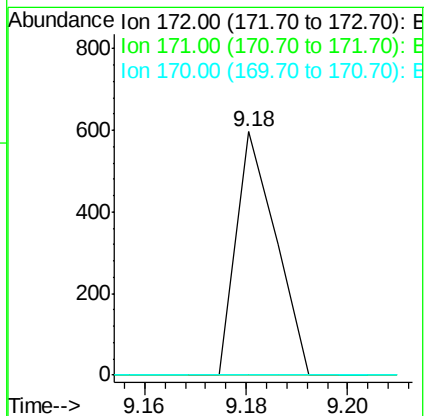
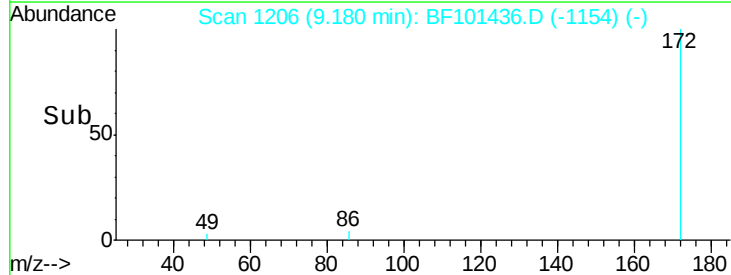
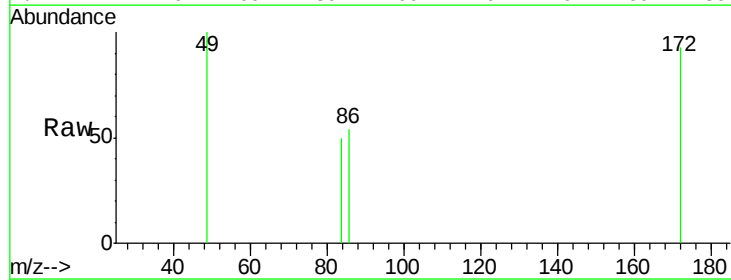
Tgt Ion: 172 Resp: 324

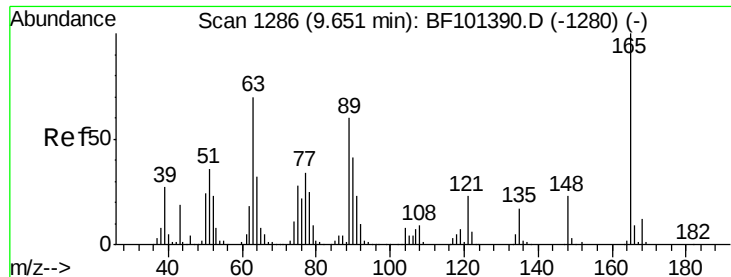
Ion Ratio Lower Upper

172 100

171 0.0 29.7 44.5#

170 0.0 19.6 29.4#

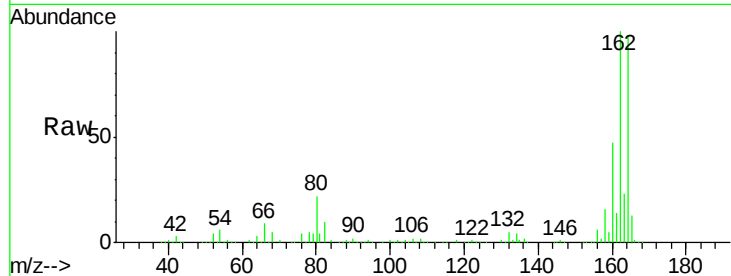




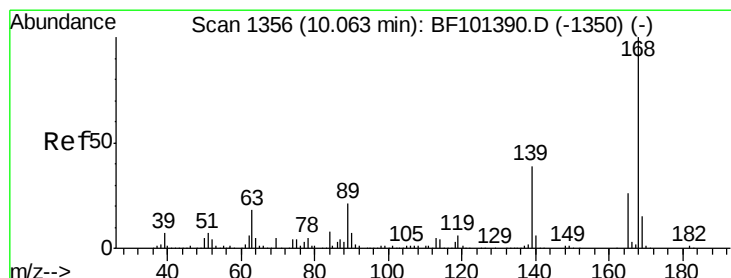
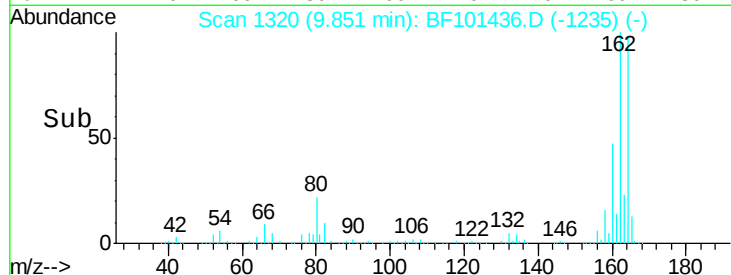
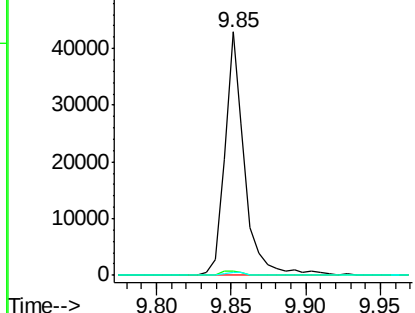
#50
2,6-Dinitrotoluene
Concen: 7.930 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.3	44.0	66.0#

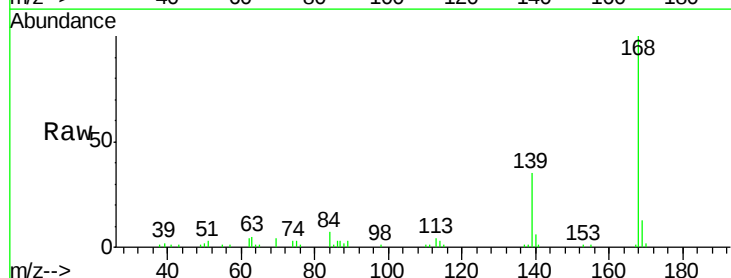


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

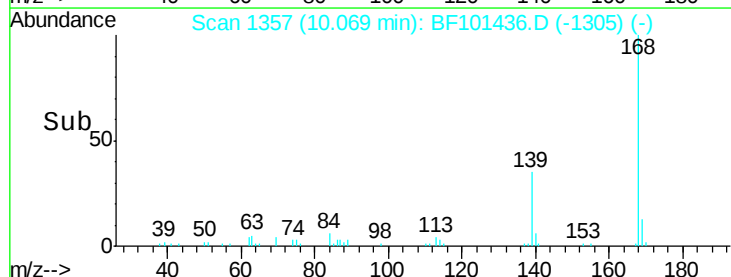
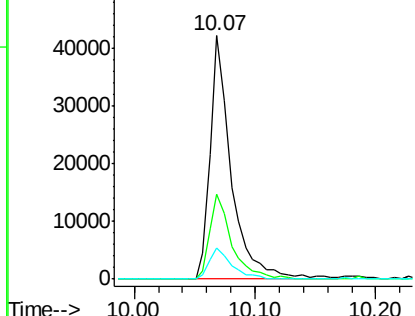


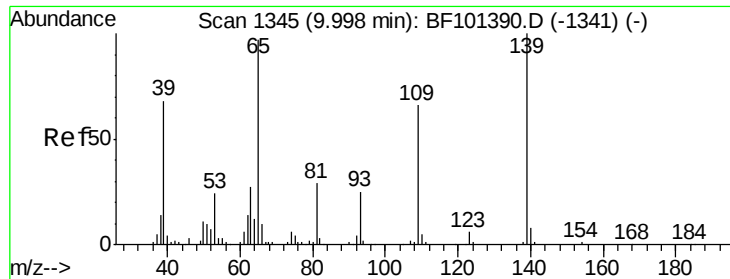
#54
Dibenzofuran
Concen: 2.032 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.9	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





#55

4-Nitrophenol

Concen: 6.754 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.07 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

Instrument :

BNA_F

ClientSampleId :

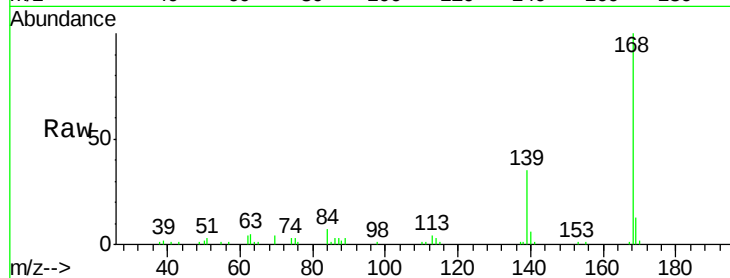
Tot Ion:139 Resp: 18445

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

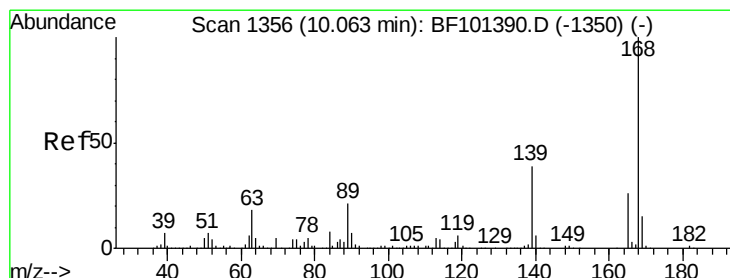
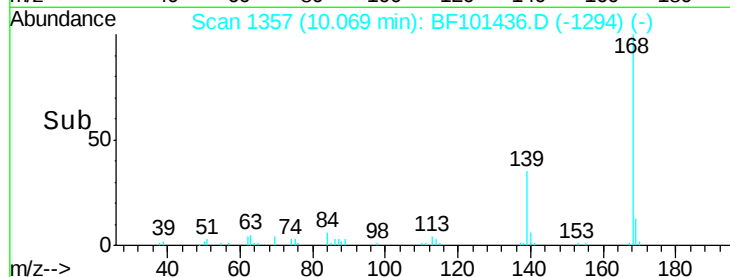
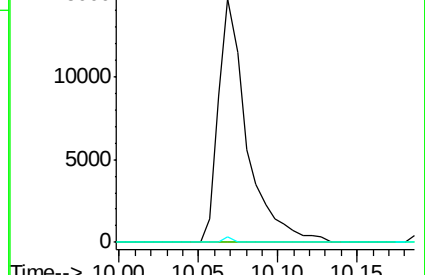
65 2.3 72.6 112.6#



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: 7.061 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

Tgt Ion:165 Resp: 39967

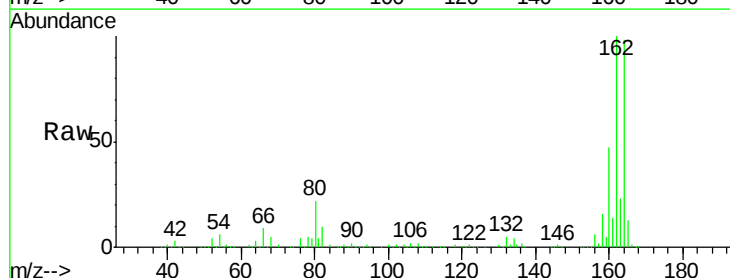
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

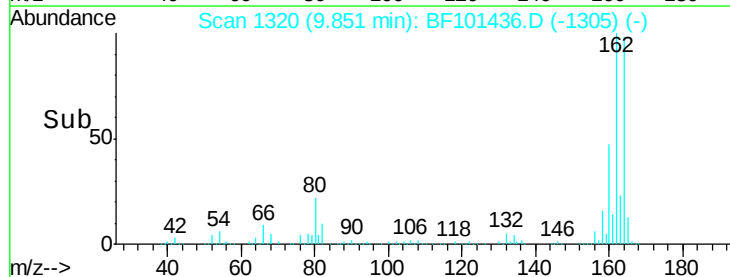
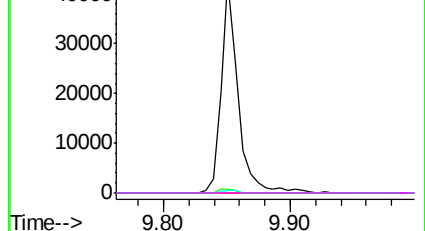


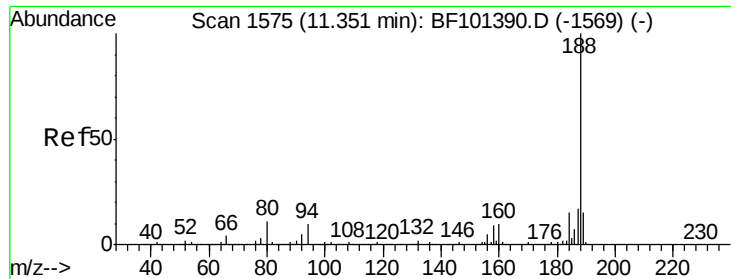
Abundance Ion 165.00 (164.70 to 165.70): E

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

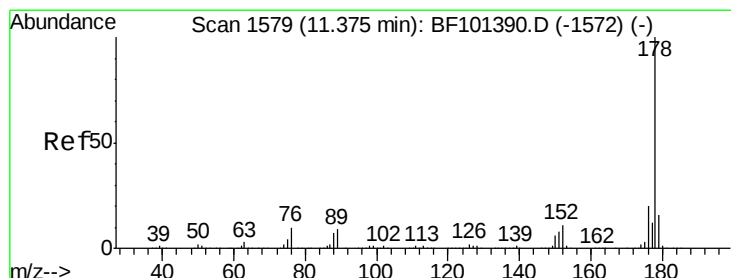
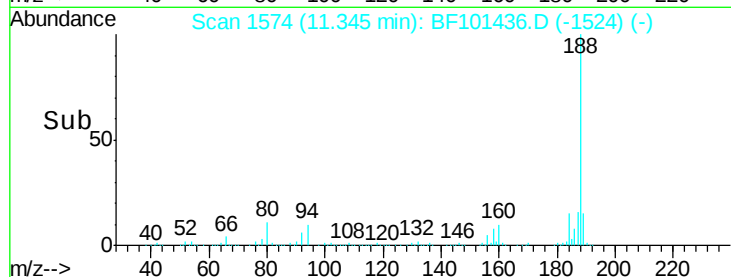
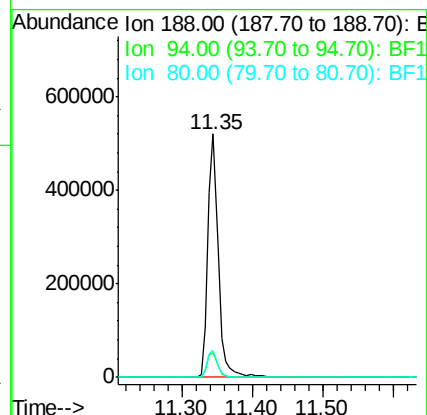
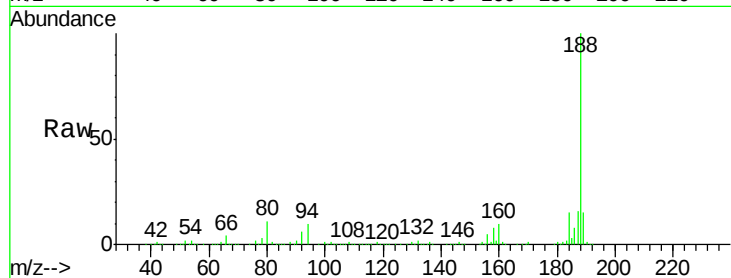




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

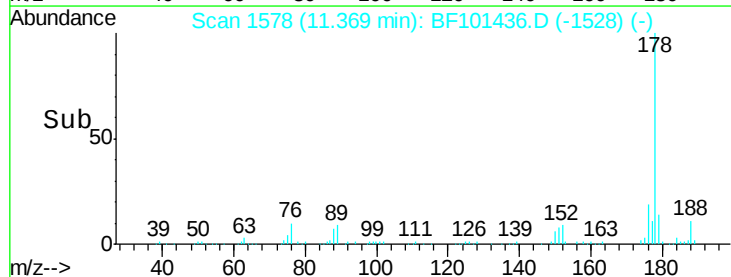
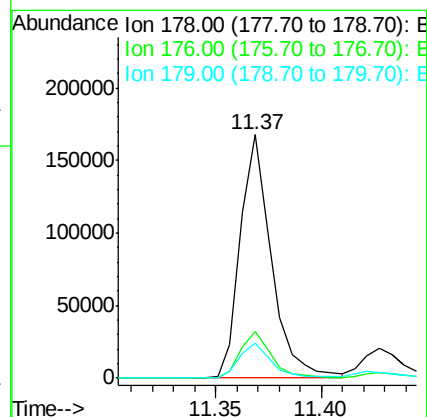
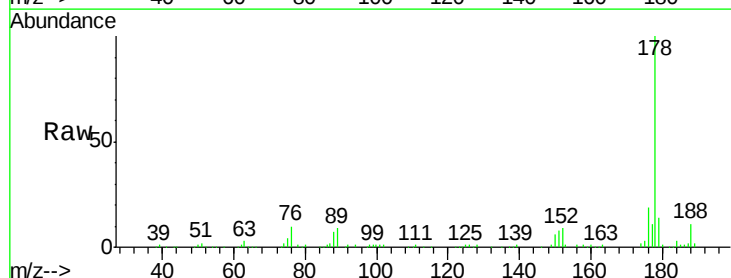
Instrument :
BNA_F
ClientSampleId :

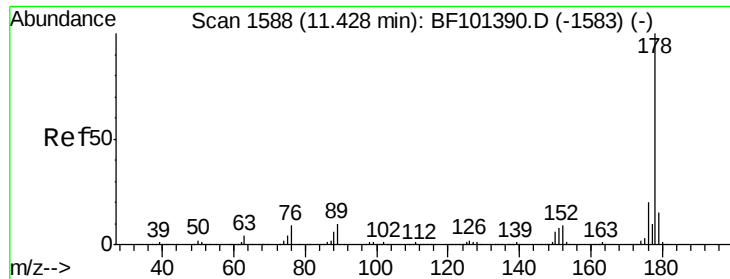
Tot Ion:188 Resp: 532782
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.0 9.2 13.8



#70
Phenanthrene
Concen: 5.765 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101436.D
Acq: 15 Dec 2017 11:05

Tgt Ion:178 Resp: 170798
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.5 13.0 19.6

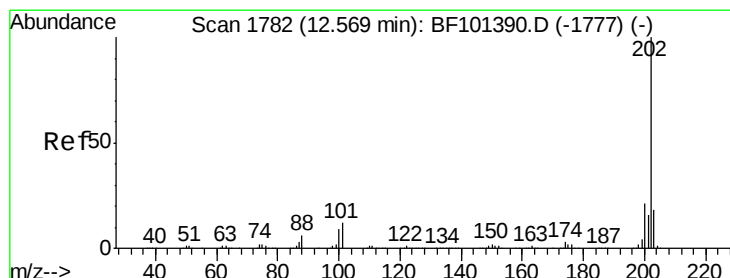
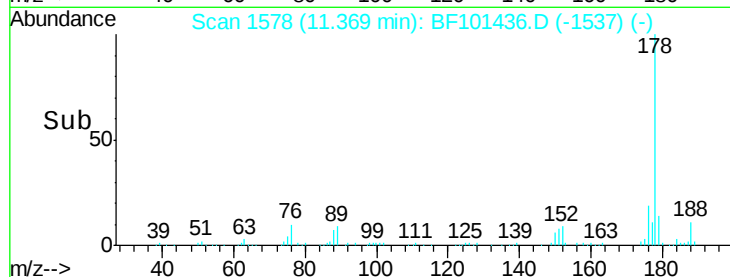
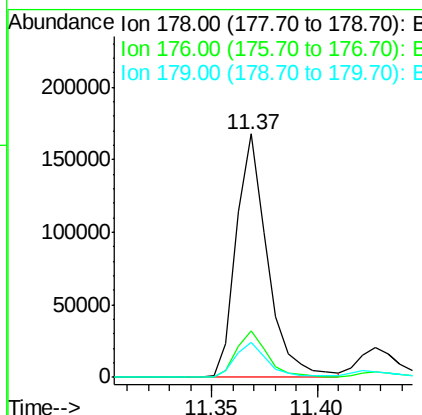
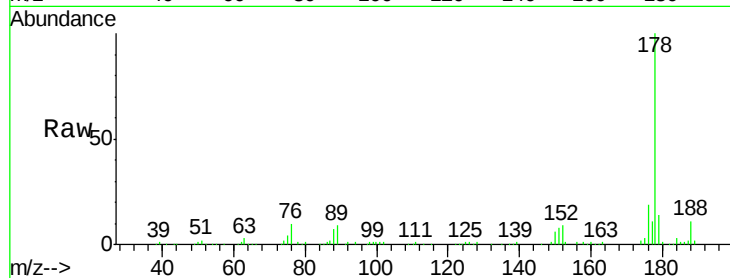




#71
 Anthracene
 Concen: 5.643 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.06 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

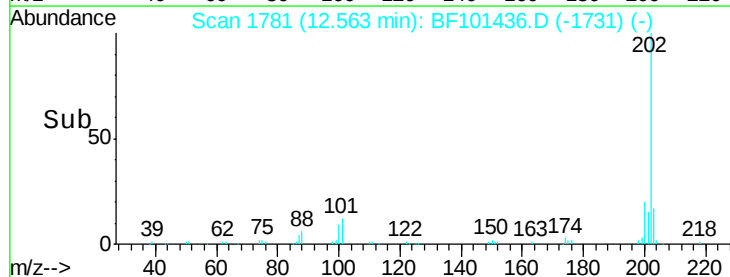
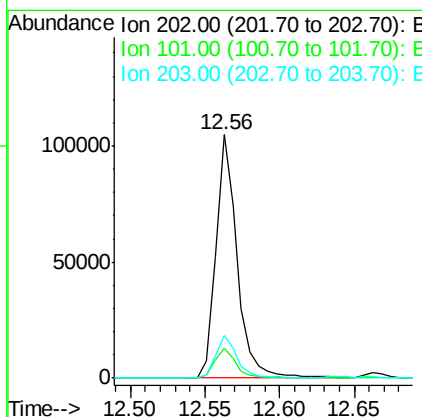
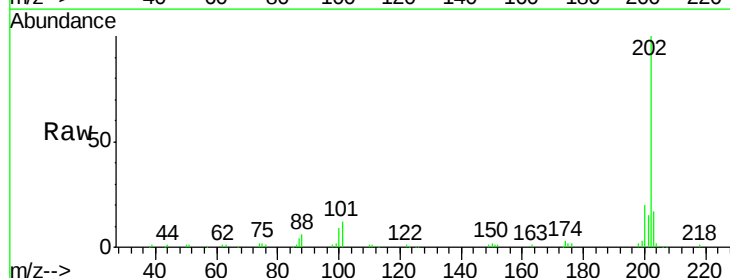
Instrument :
 BNA_F
 ClientSampleId :

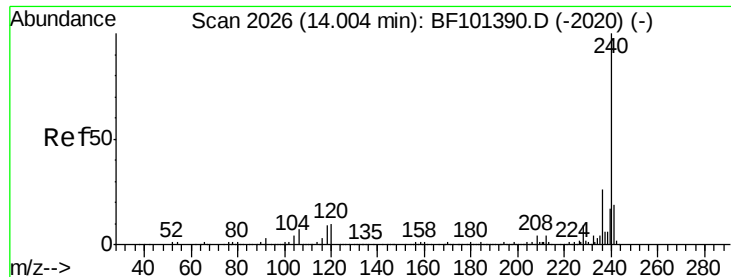
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	14.5	12.6	19.0



#74
 Fluoranthene
 Concen: 3.342 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101436.D
 Acq: 15 Dec 2017 11:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

Instrument :

BNA_F

ClientSampleId :

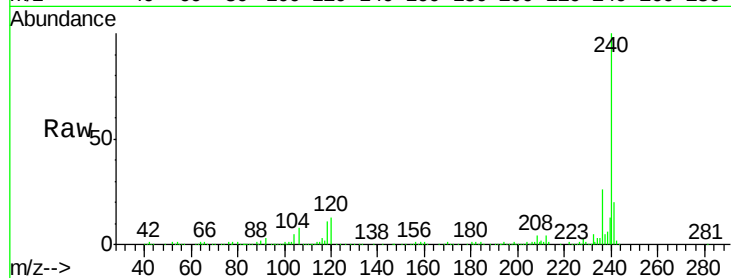
Tot Ion:240 Resp: 340949

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

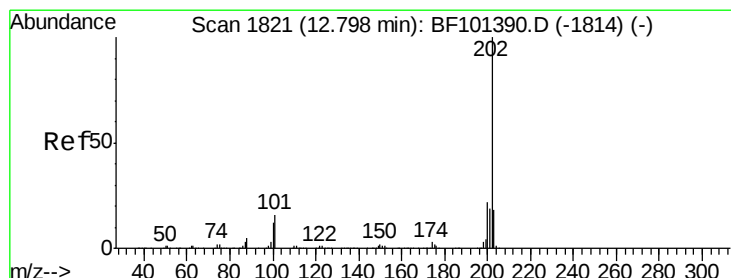
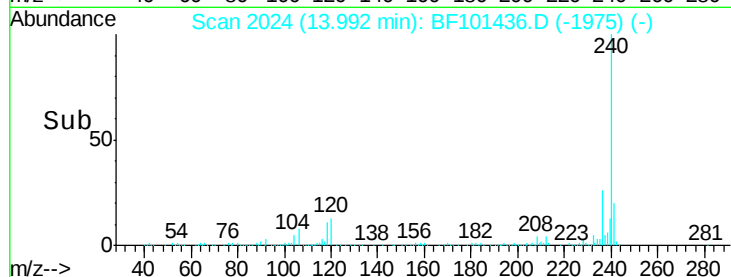
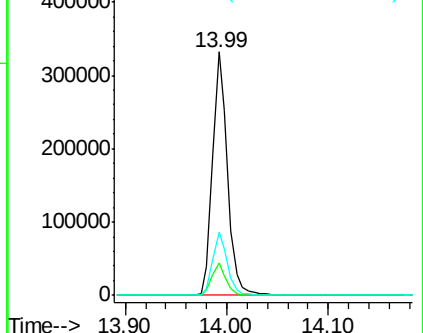
236 26.1 20.7 31.1



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: 2.826 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

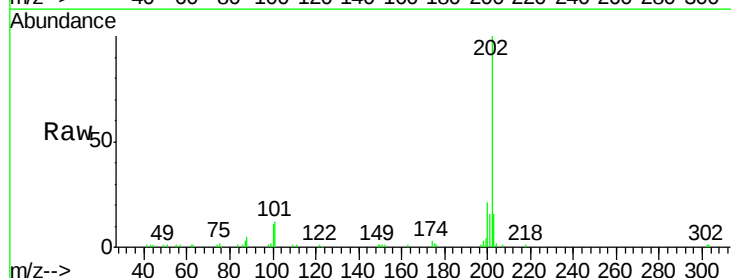
Tgt Ion:202 Resp: 72311

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

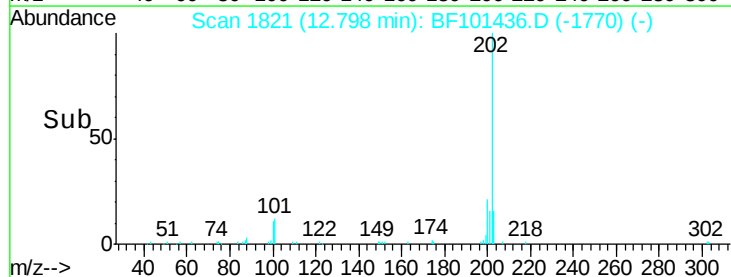
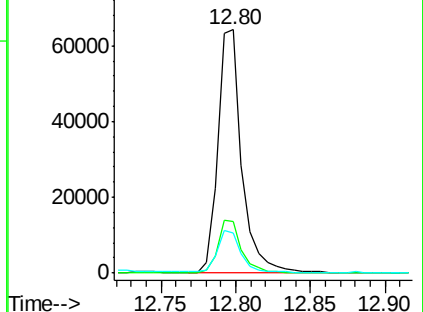
203 16.5 14.3 21.5

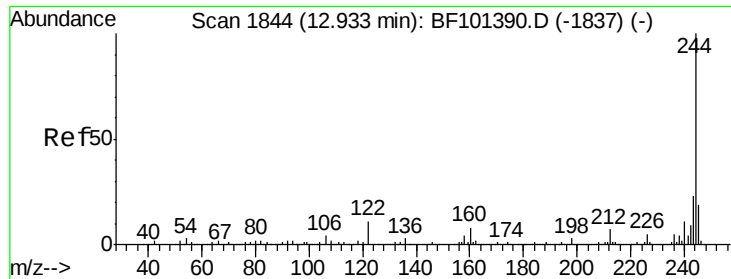


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.048 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

Instrument :

BNA_F

ClientSampled :

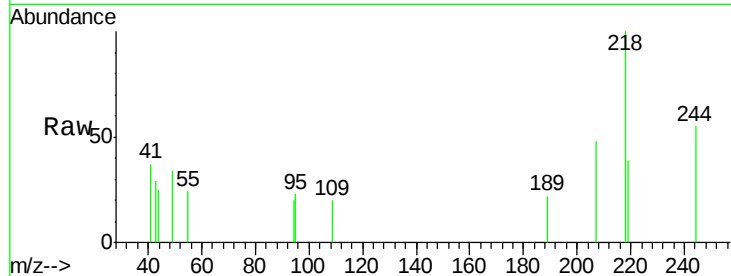
Tot Ion:244 Resp: 683

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

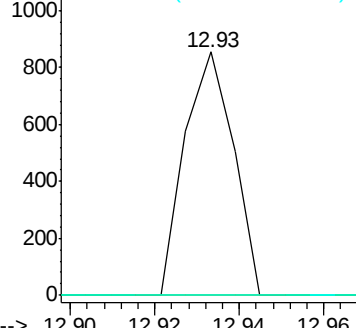
122 0.0 11.0 16.4#



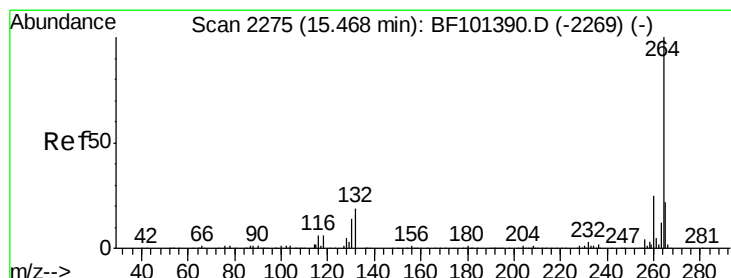
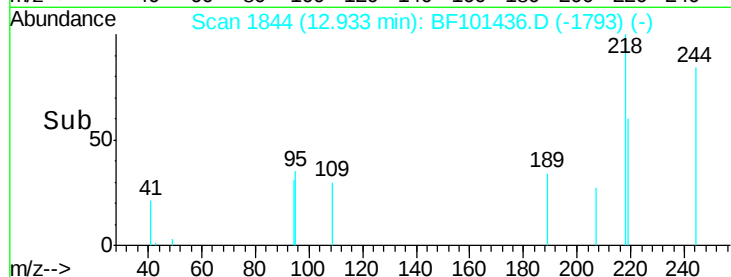
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF101436.D

Acq: 15 Dec 2017 11:05

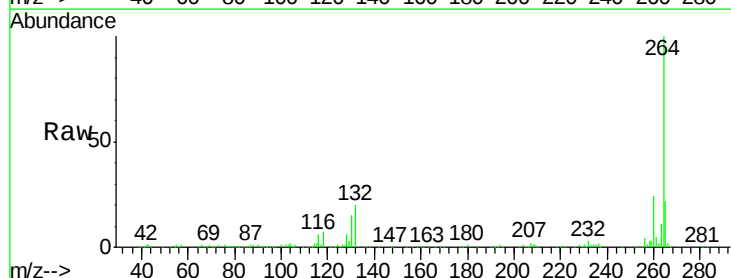
Tgt Ion:264 Resp: 326386

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

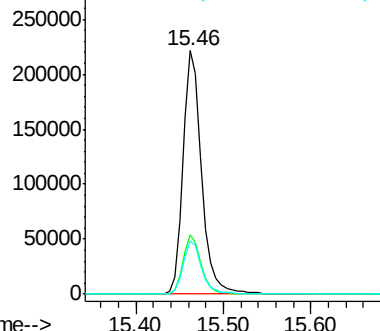
265 21.6 17.5 26.3



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



Time-->

