

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101314.D
 Acq On : 12 Dec 2017 5:09
 Operator : SJ/JU
 Sample : I6764-01 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 07:07:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	43595	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	160010	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	63765	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	109895	20.00	ng	0.00
75) Chrysene-d12	14.02	240	88778	20.00	ng	0.02
86) Perylene-d12	15.50	264	67924	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	139368	52.83	ng	0.00
7) Phenol-d6	6.46	99	166723	52.05	ng	0.00
23) Nitrobenzene-d5	7.39	82	92800	34.60	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	30869	40.30	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	204720	43.93	ng	0.00
78) Terphenyl-d14	12.94	244	166013	40.90	ng	0.00

Target Compounds

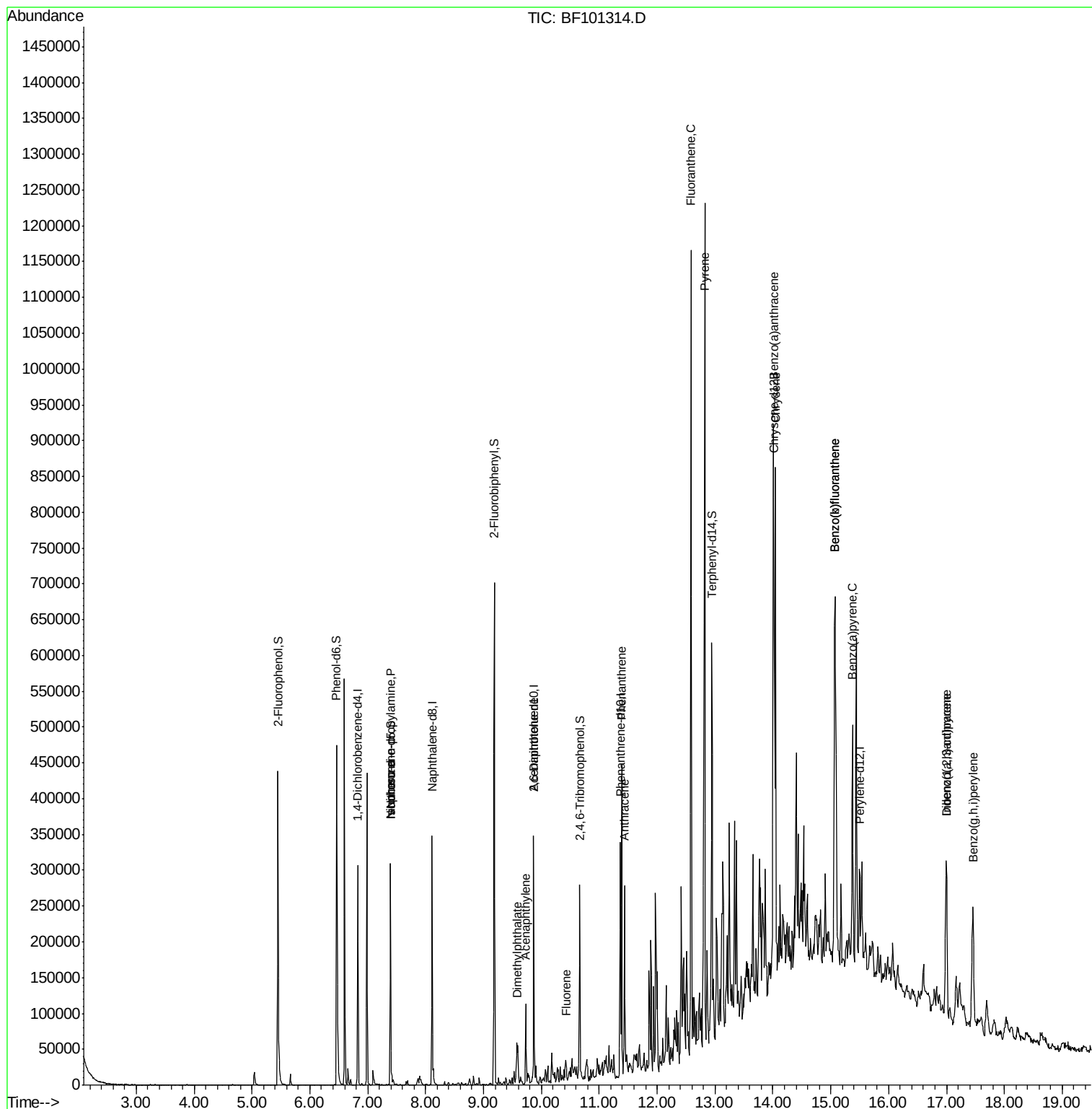
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	12356	5.728	ng	# 79
25) Isophorone	7.39	82	92800	20.254	ng	# 64
48) Acenaphthylene	9.73	152	49503	7.260	ng	98
49) Dimethylphthalate	9.58	163	19013	3.697	ng	99
50) 2,6-Dinitrotoluene	9.87	165	7960	7.349	ng	# 24
57) Fluorene	10.42	166	12243	2.560	ng	88
70) Phenanthrene	11.39	178	155517	25.697	ng	97
71) Anthracene	11.44	178	101413	16.557	ng	97
74) Fluoranthene	12.59	202	453859	67.655	ng	96
77) Pyrene	12.82	202	526029	85.869	ng	99
80) Benzo(a)anthracene	14.01	228	314956	56.189	ng	97
82) Chrysene	14.04	228	265097	50.924	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	127772	27.608	ng	# 87
87) Benzo(b)fluoranthene	15.07	252	402279	98.877	ng	97
88) Benzo(k)fluoranthene	15.07	252	402279	100.360	ng	98
89) Benzo(a)pyrene	15.37	252	165515	44.749	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	38930	11.939	ng	# 89
91) Benzo(g,h,i)perylene	17.46	276	136350	44.370	ng	# 91

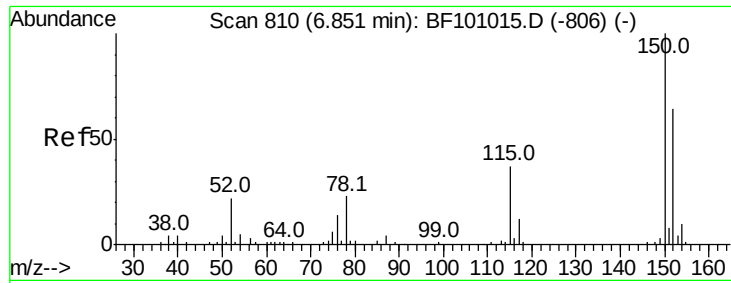
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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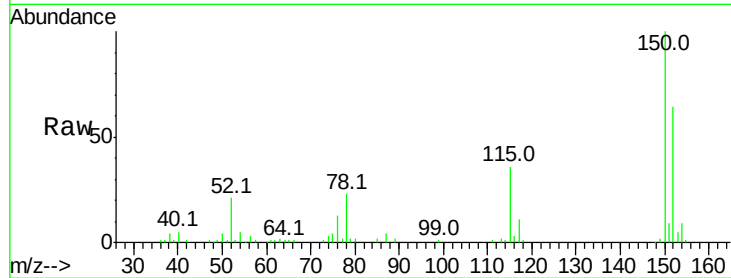


#1

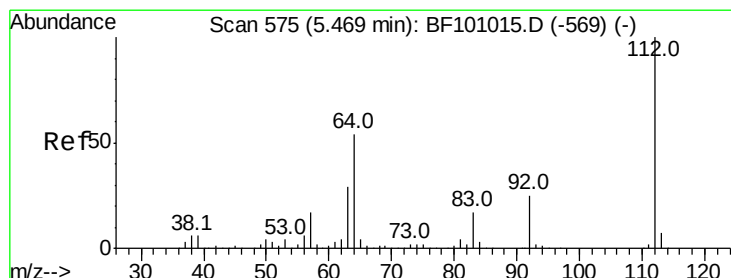
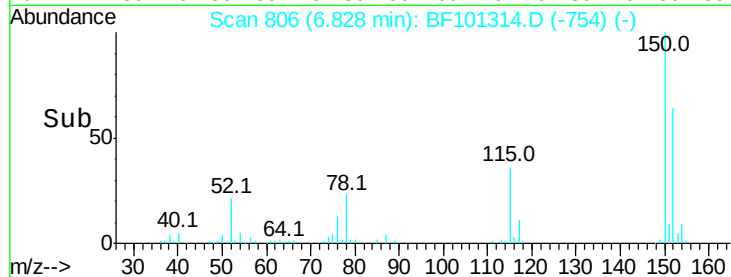
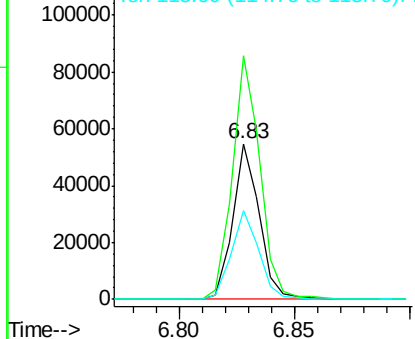
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 43595
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 57.2 50.1 75.1



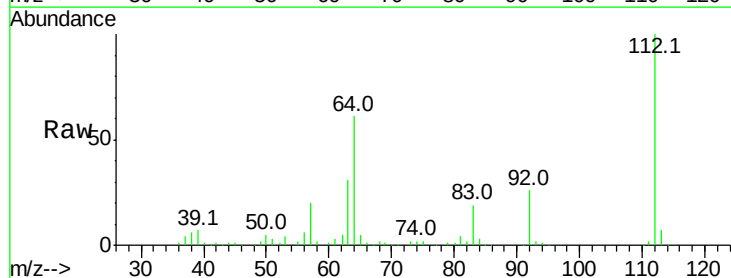
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



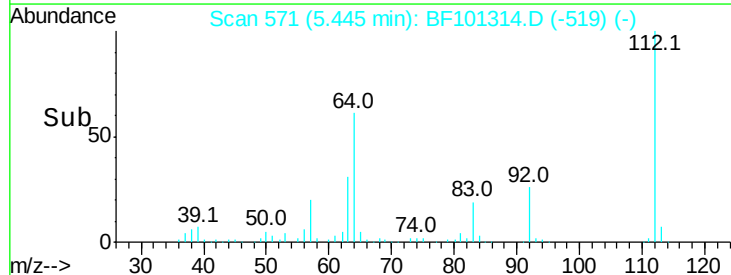
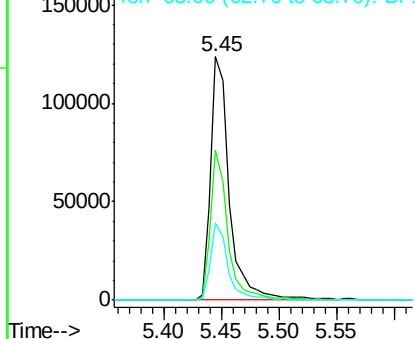
#5

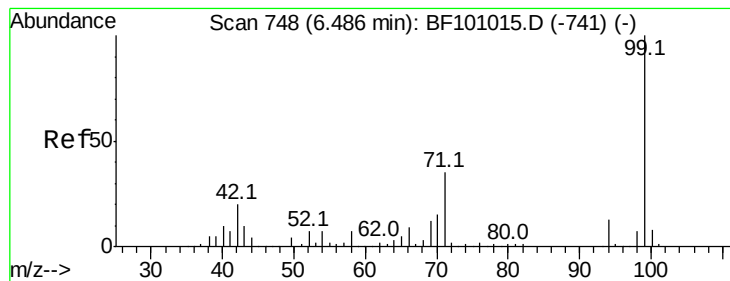
2-Fluorophenol
Concen: 52.827 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion:112 Resp: 139368
Ion Ratio Lower Upper
112 100
64 61.5 47.9 71.9
63 31.5 23.7 35.5



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





#7

Phenol-d6

Concen: 52.051 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampleId :

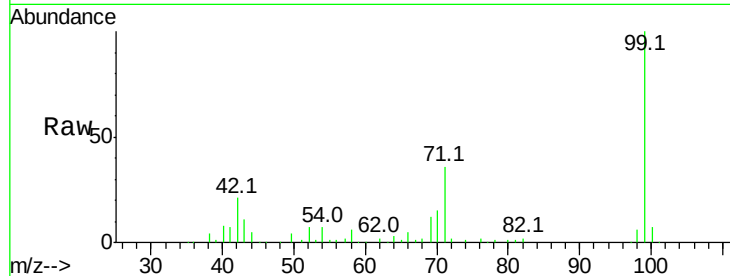
Tot Ion: 99 Resp: 166723

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

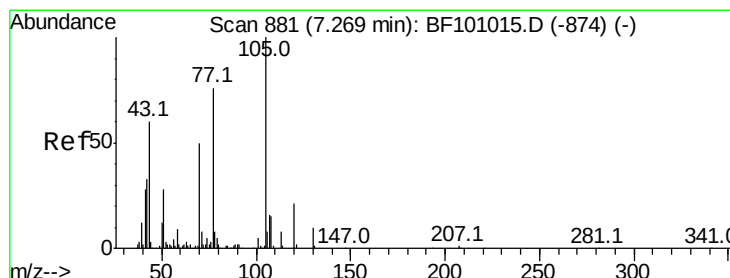
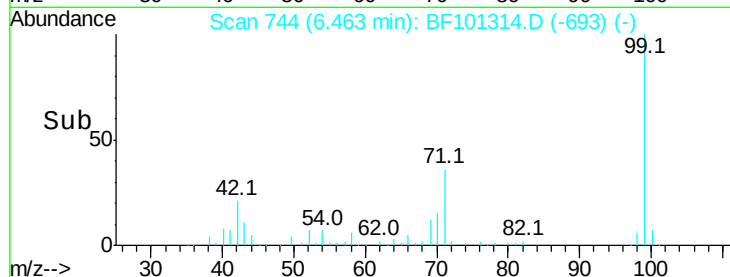
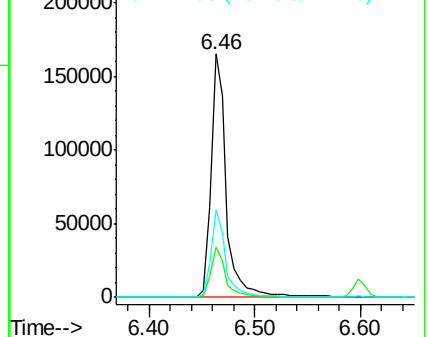
71 36.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.728 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Tgt Ion: 70 Resp: 12356

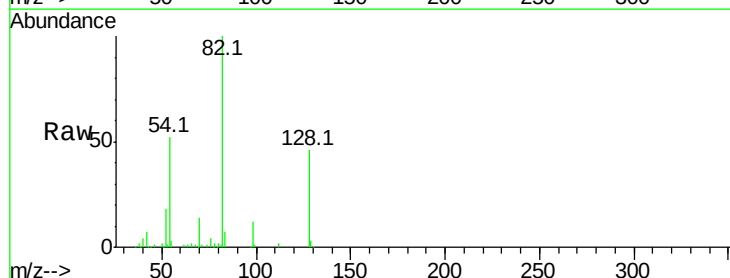
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

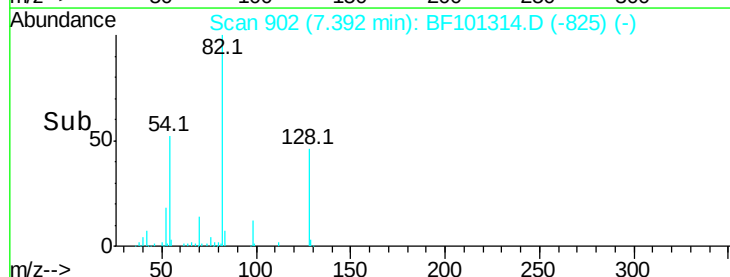
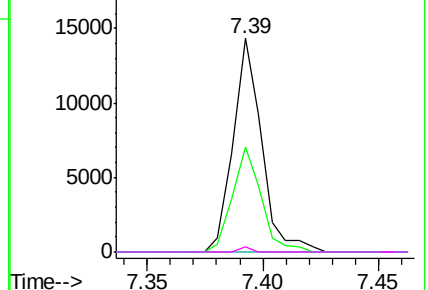


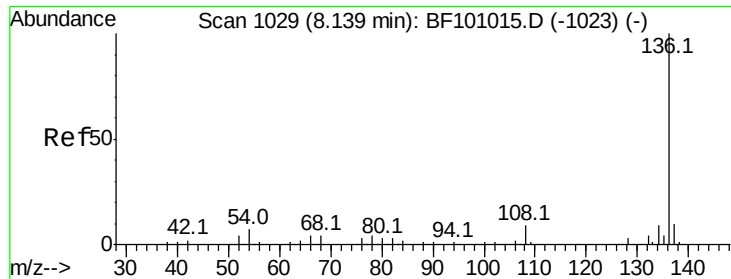
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

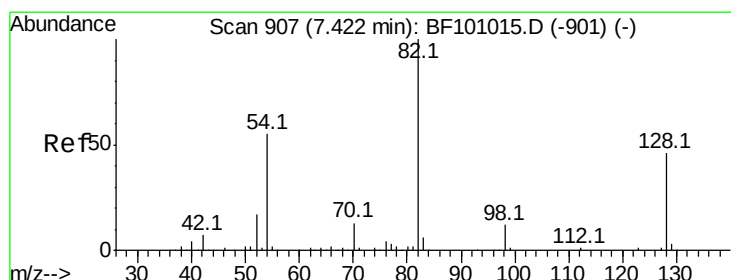
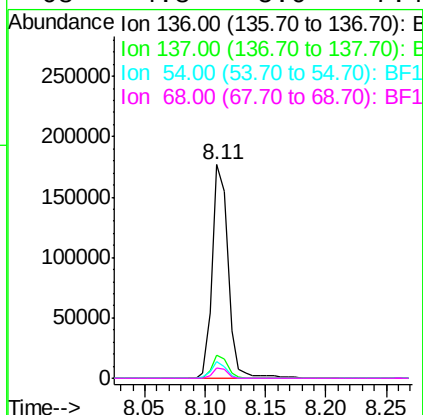
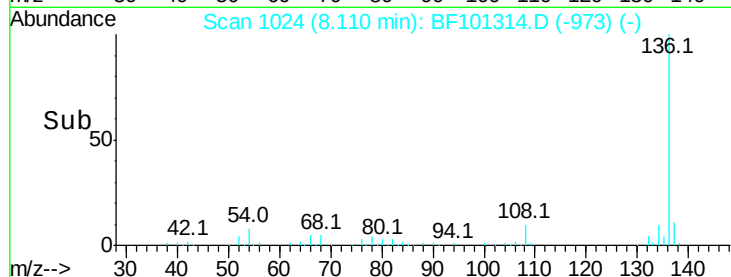
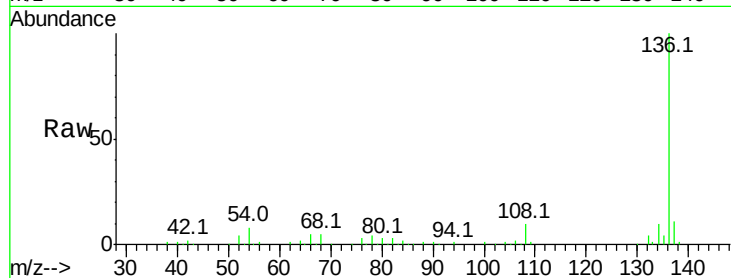




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

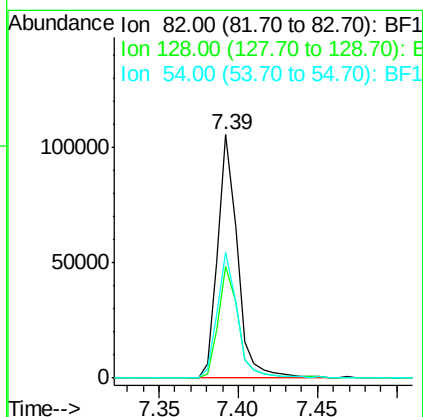
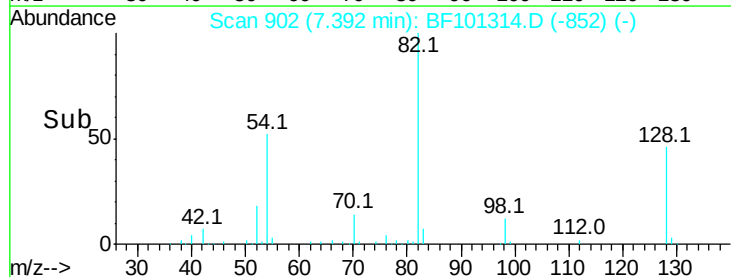
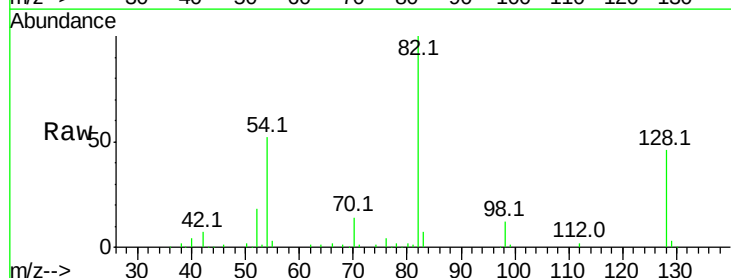
Instrument :
BNA_F
ClientSampleId :

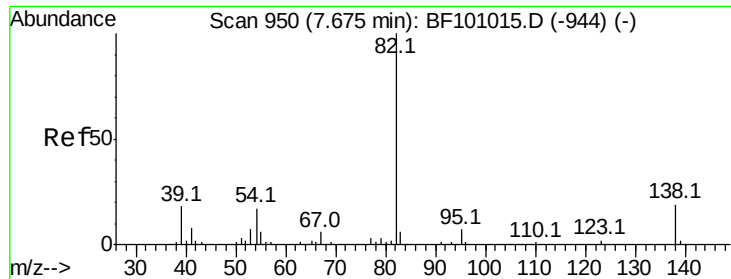
Tot Ion:	136	Resp:	160010
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.9	6.6	9.8
68	4.8	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 34.597 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion:	82	Resp:	92800
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	51.9	41.4	62.2





#25

Isophorone

Concen: 20.254 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampleId :

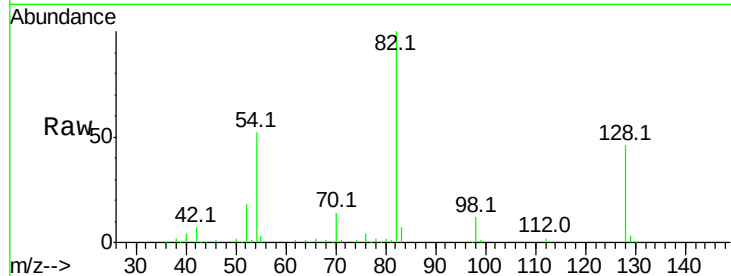
Tot Ion: 82 Resp: 92800

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

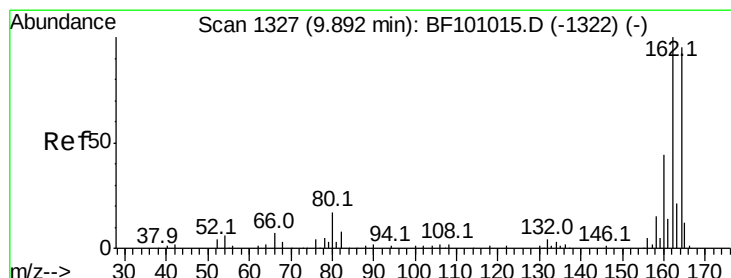
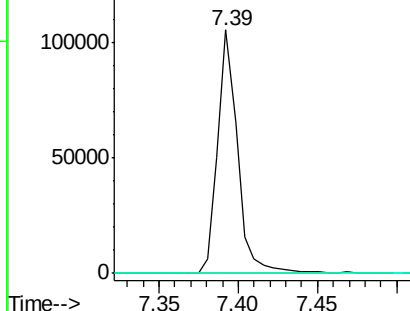
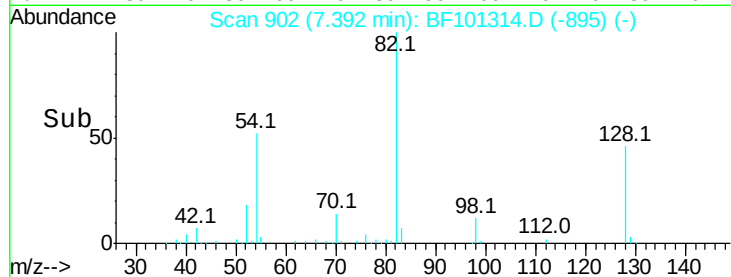
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

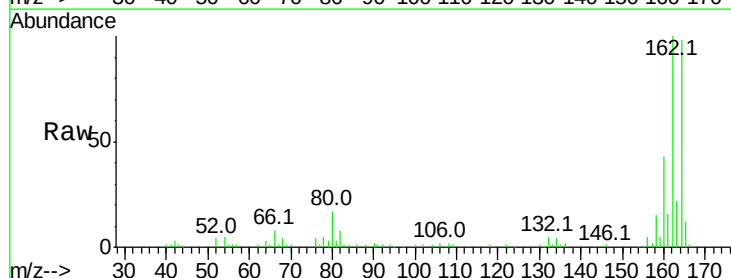
Tgt Ion: 164 Resp: 63765

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

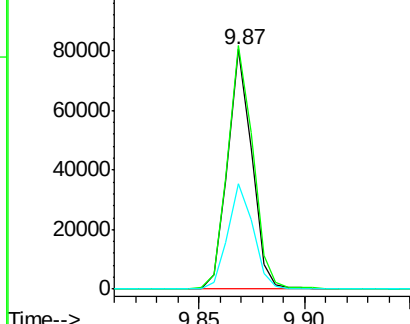
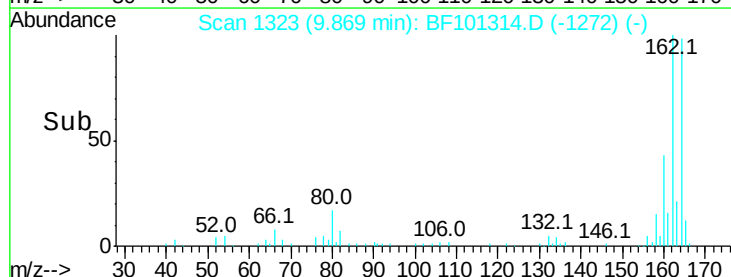
160 43.9 38.3 57.5

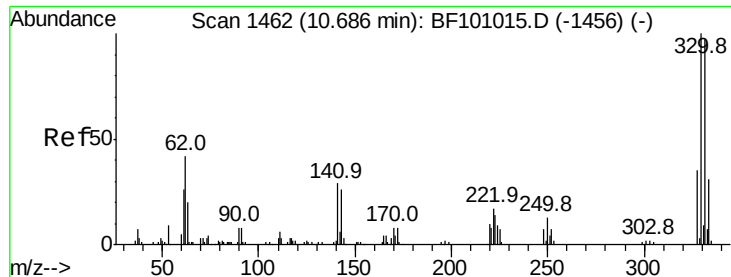


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

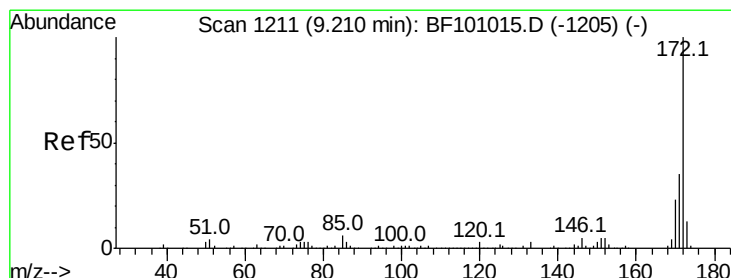
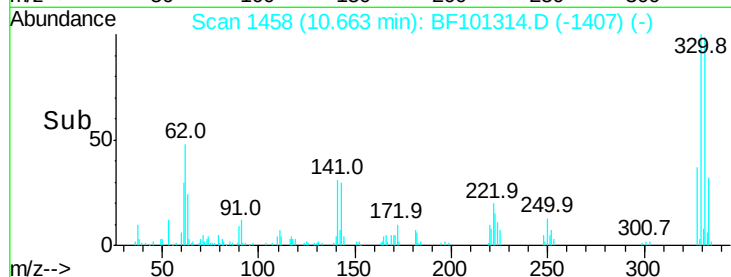
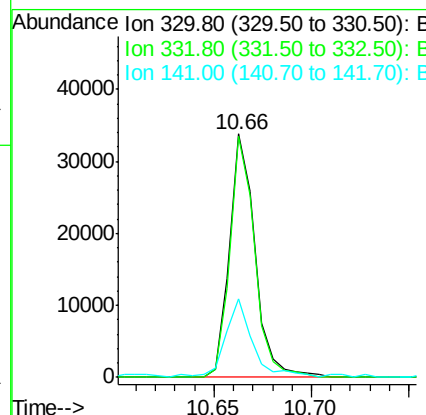
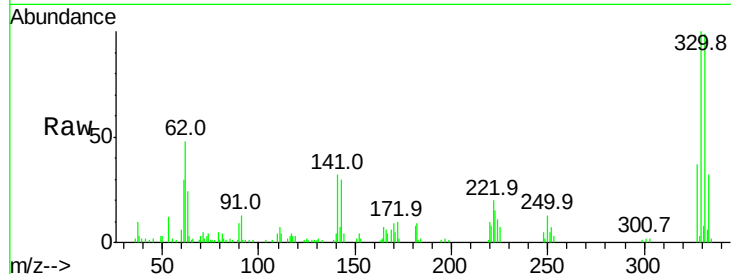




#41
 2,4,6-Tribromophenol
 Concen: 40.299 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101314.D
 Acq: 12 Dec 2017 5:09

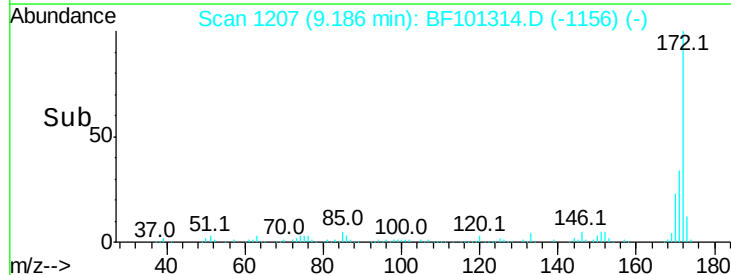
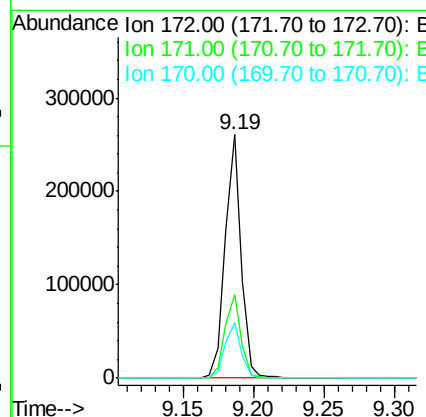
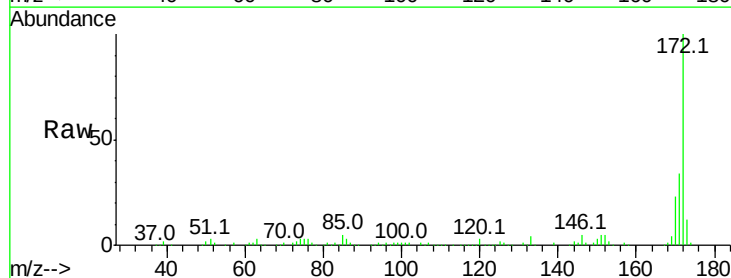
Instrument :
 BNA_F
 ClientSampled :

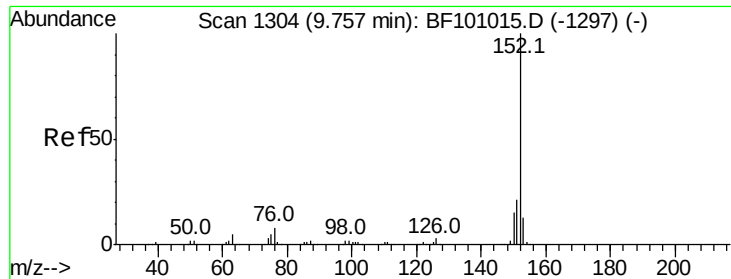
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	34.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 43.927 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF101314.D
 Acq: 12 Dec 2017 5:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	22.6	19.6	29.4

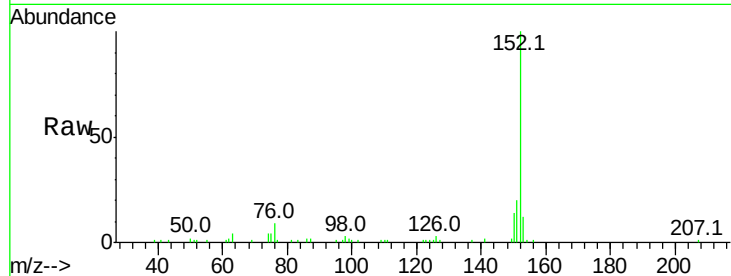




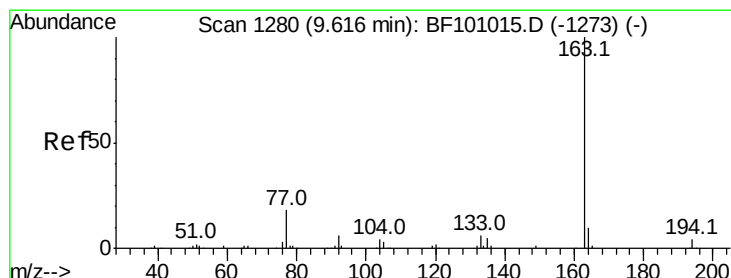
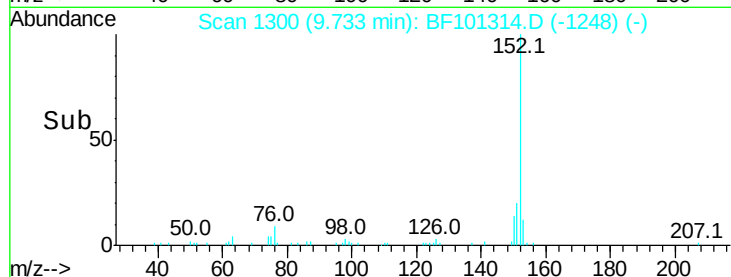
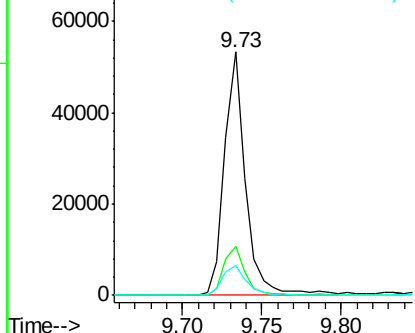
#48
Acenaphthylene
Concen: 7.260 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 49503
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 12.1 10.7 16.1

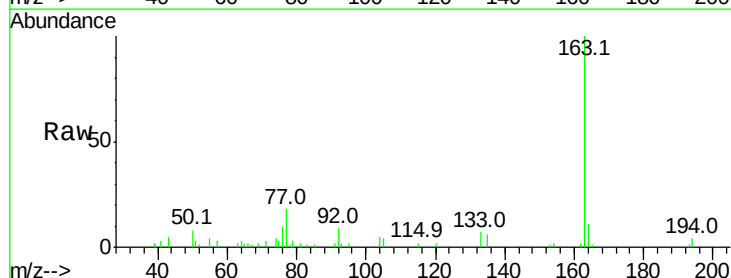


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

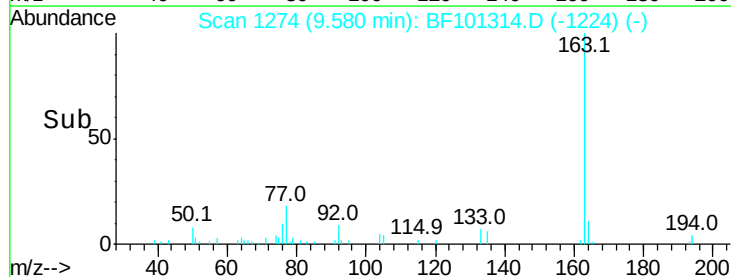
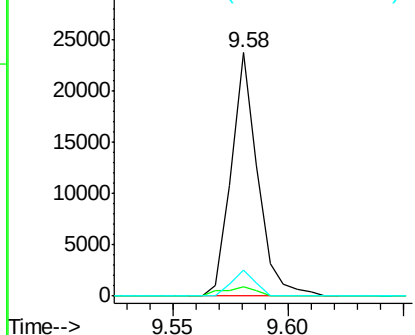


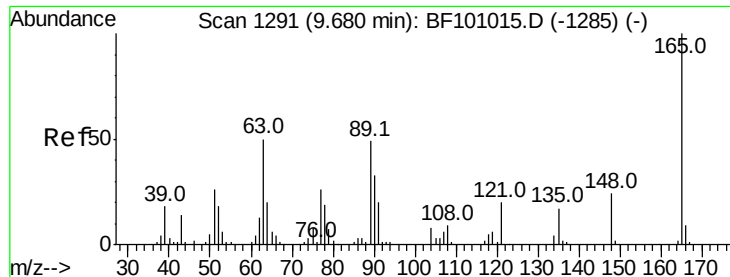
#49
Dimethylphthalate
Concen: 3.697 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion:163 Resp: 19013
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.6 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

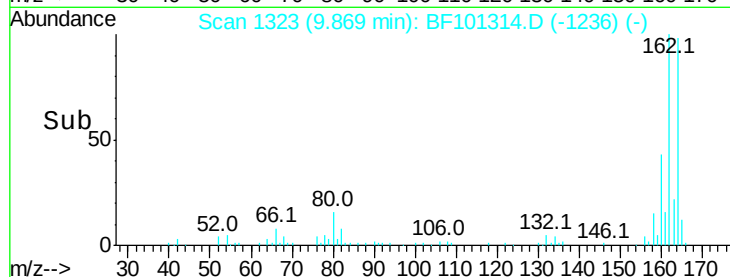
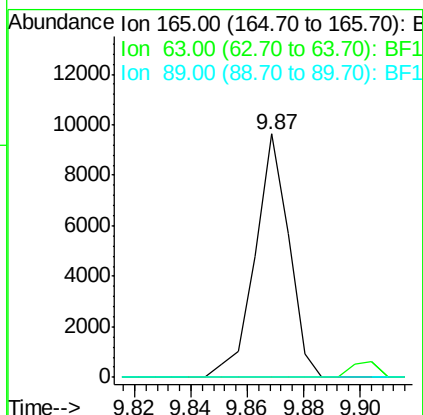
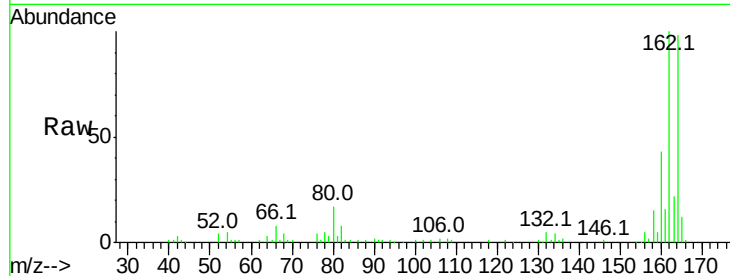




#50
 2,6-Dinitrotoluene
 Concen: 7.349 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101314.D
 Acq: 12 Dec 2017 5:09

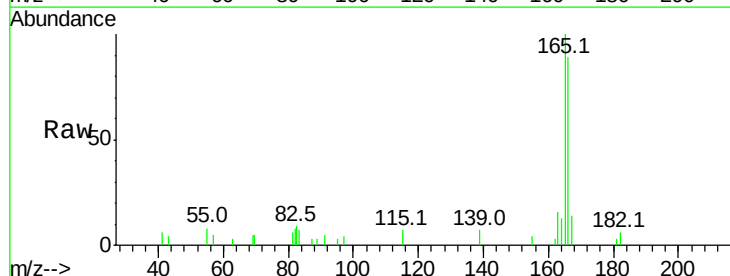
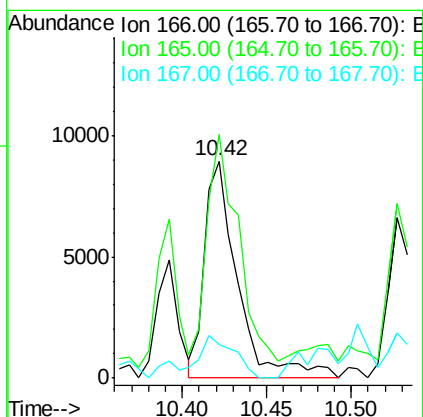
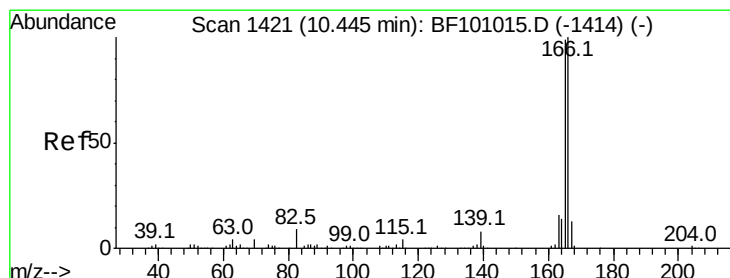
Instrument :
 BNA_F
 ClientSampleId :

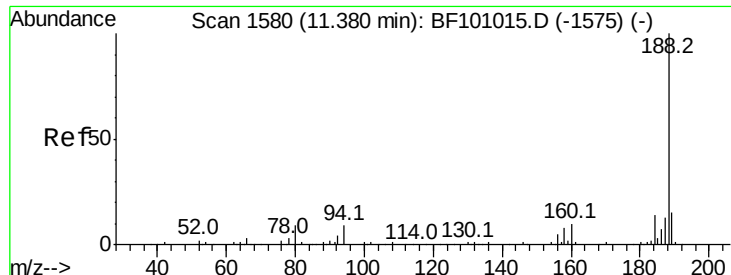
Tot Ion:165 Resp: 7960
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#57
 Fluorene
 Concen: 2.560 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: BF101314.D
 Acq: 12 Dec 2017 5:09

Tgt Ion:166 Resp: 12243
 Ion Ratio Lower Upper
 166 100
 165 112.0 79.8 119.8
 167 15.8 10.6 16.0

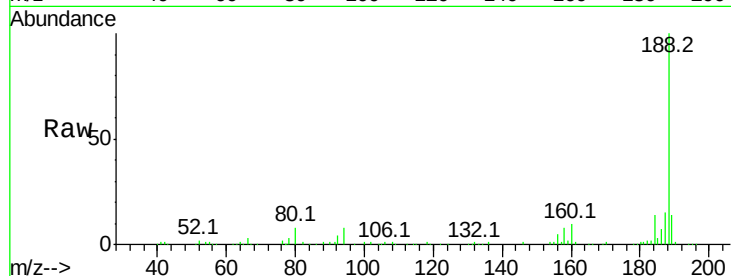




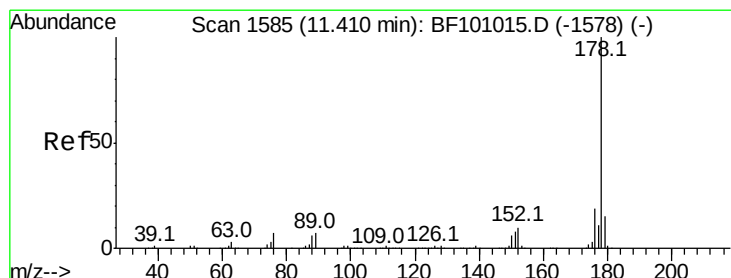
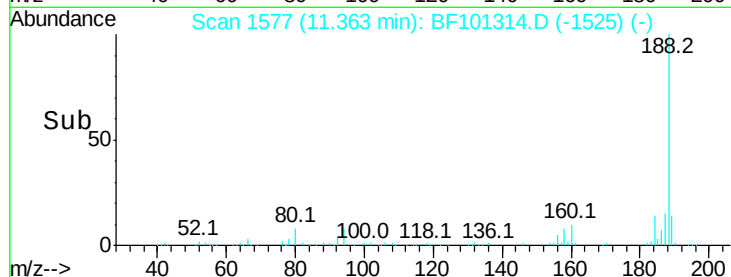
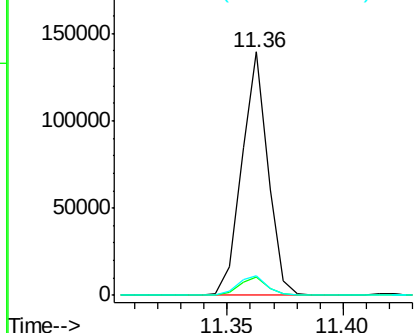
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.1	9.2	13.8#

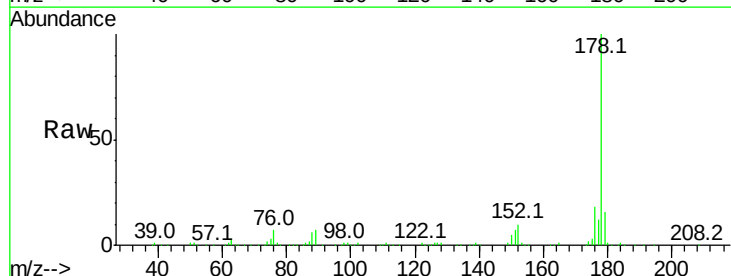


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

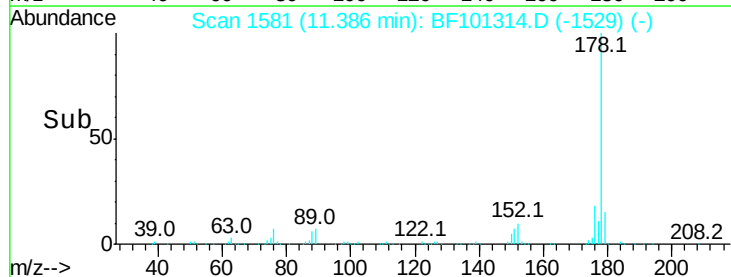
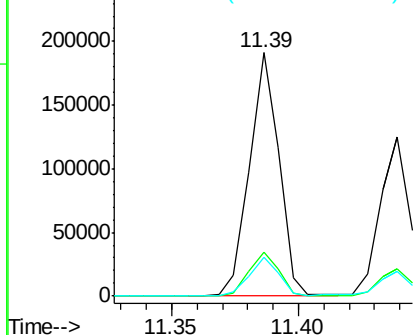


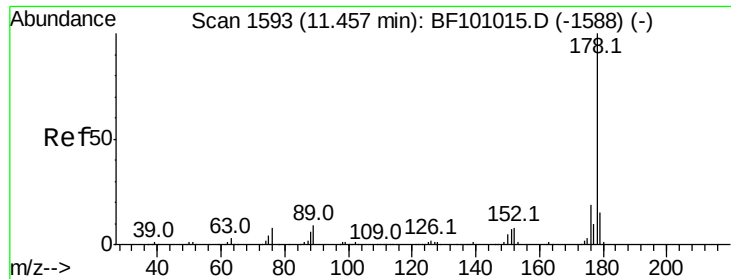
#70
Phenanthrene
Concen: 25.697 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.7	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





#71

Anthracene

Concen: 16.557 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampled :

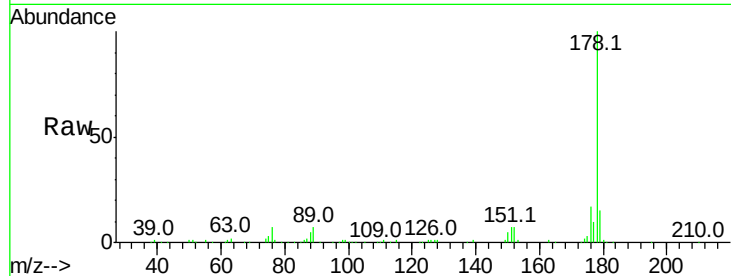
Tot Ion:178 Resp: 101413

Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	15.4	12.6	19.0

178 100

176 17.1 15.4 23.2

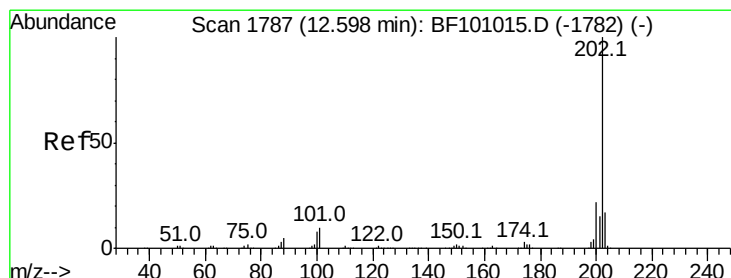
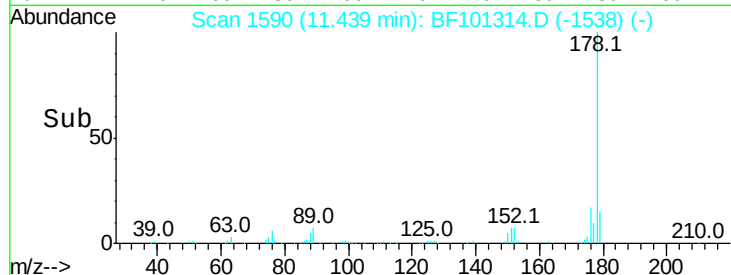
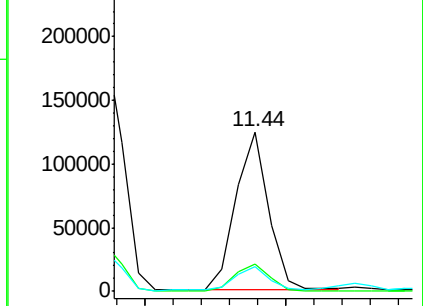
179 15.4 12.6 19.0



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



#74

Fluoranthene

Concen: 67.655 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.02 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

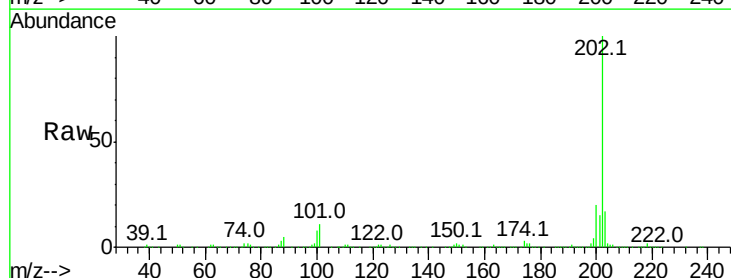
Tgt Ion:202 Resp: 453859

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.5	0.0	38.1

202 100

101 10.8 0.0 34.1

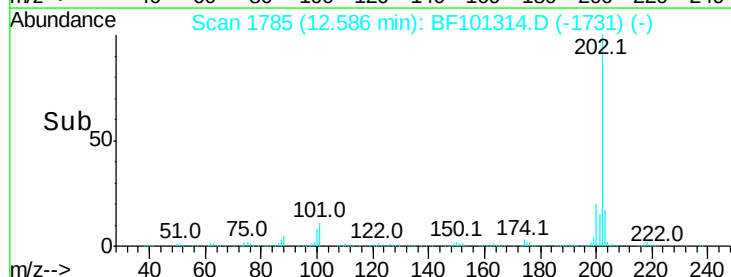
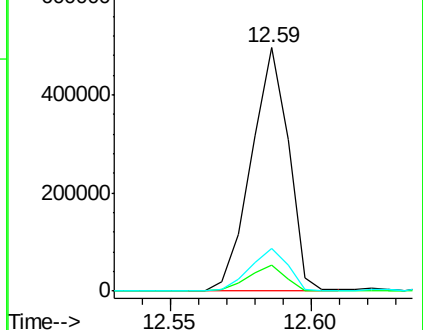
203 17.5 0.0 38.1

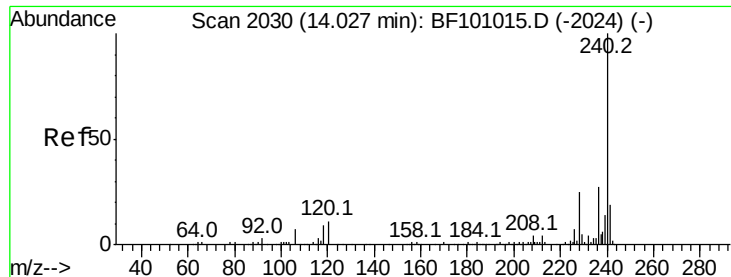


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampled :

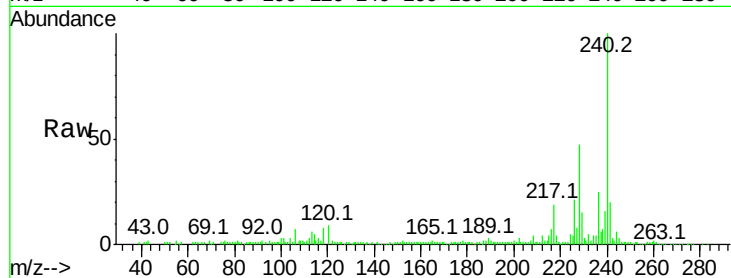
Tot Ion:240 Resp: 88778

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

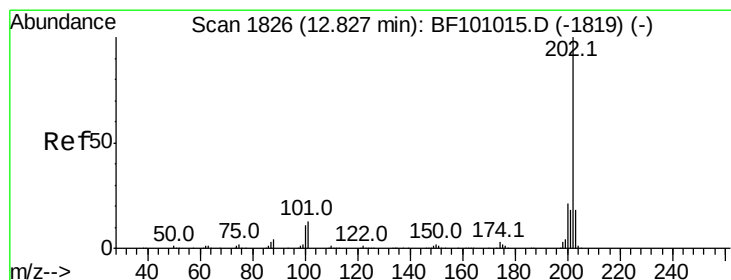
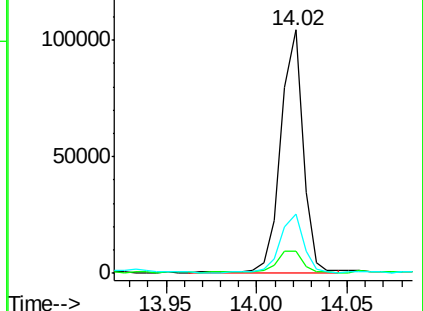
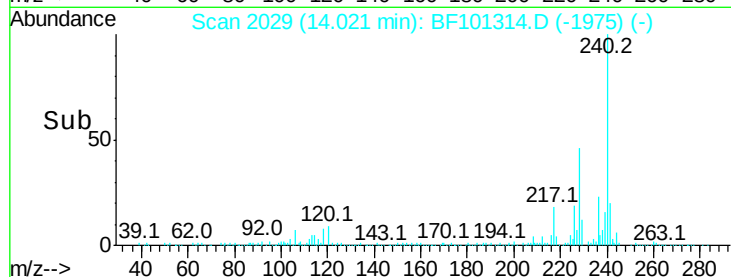
236 24.5 20.7 31.1



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: 85.869 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

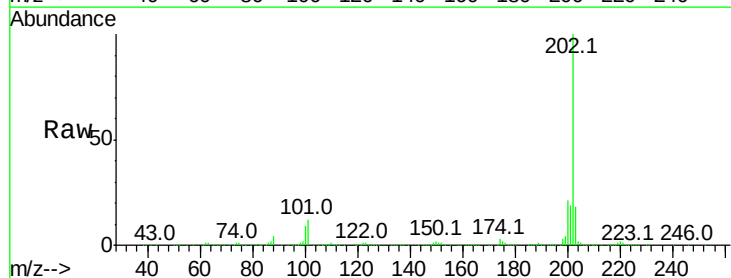
Tgt Ion:202 Resp: 526029

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

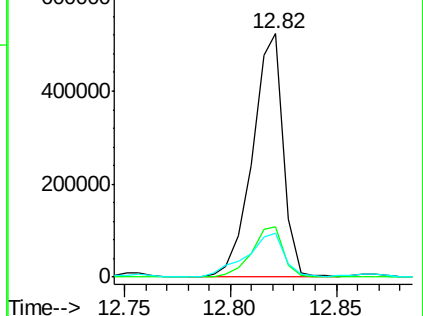
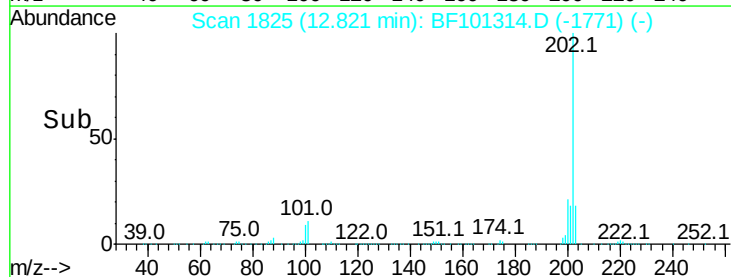
203 18.2 14.3 21.5

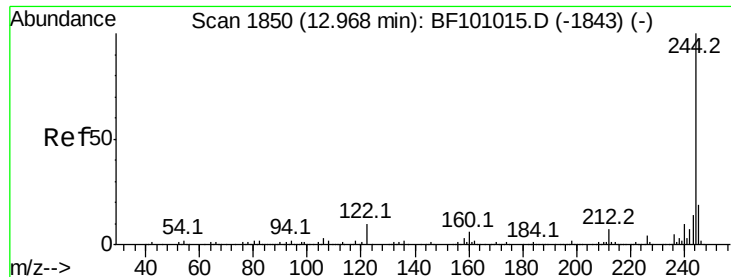


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.901 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampled :

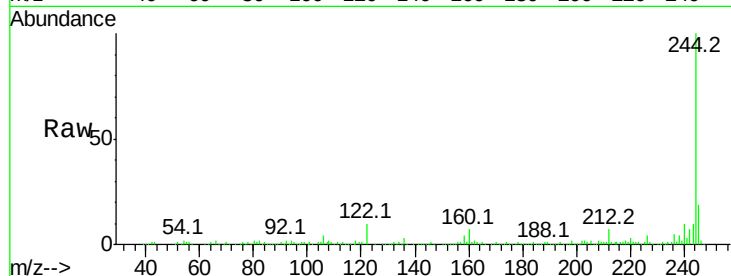
Tot Ion:244 Resp: 166013

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

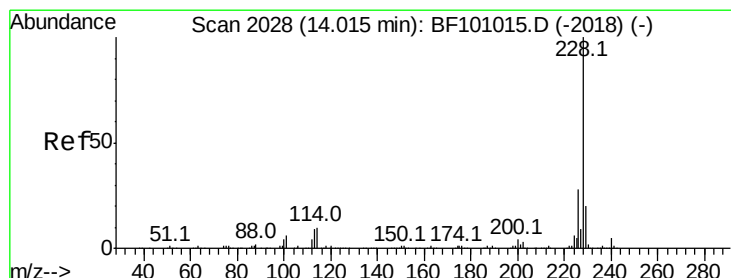
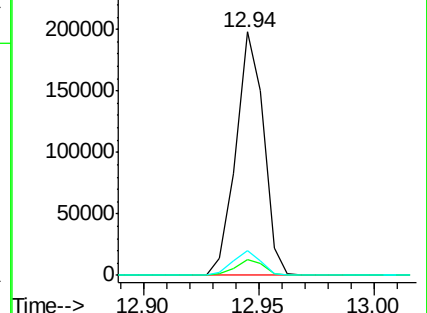
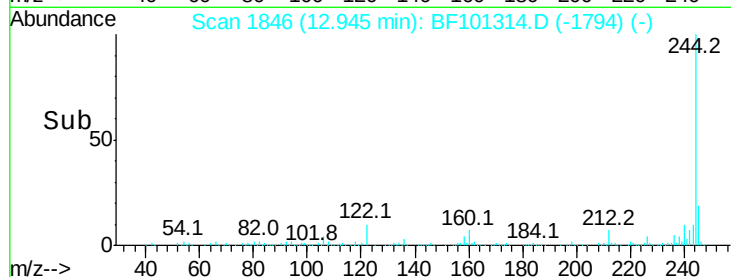
122 10.2 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 56.189 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

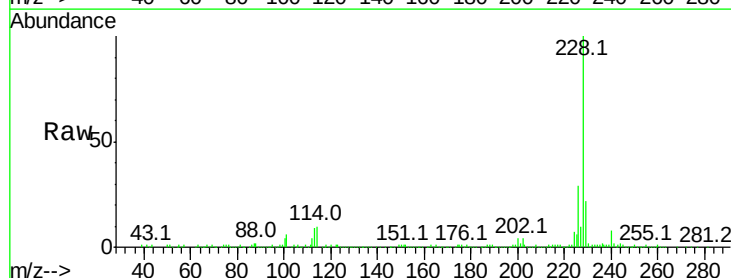
Tgt Ion:228 Resp: 314956

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

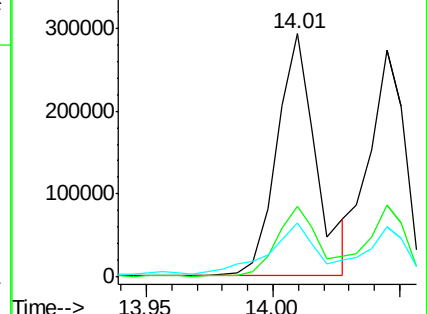
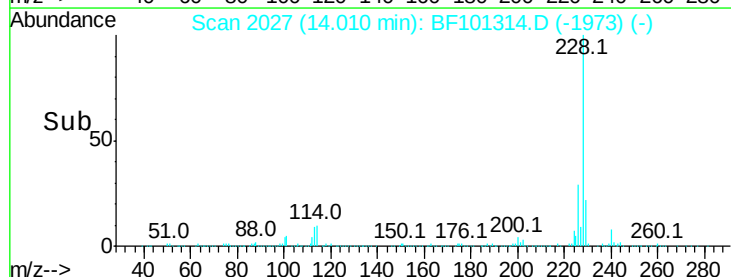
229 22.2 15.8 23.6

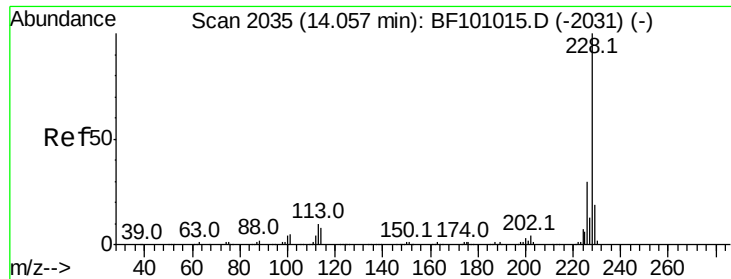


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 50.924 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

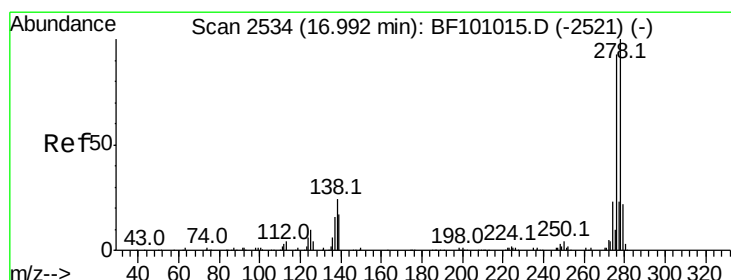
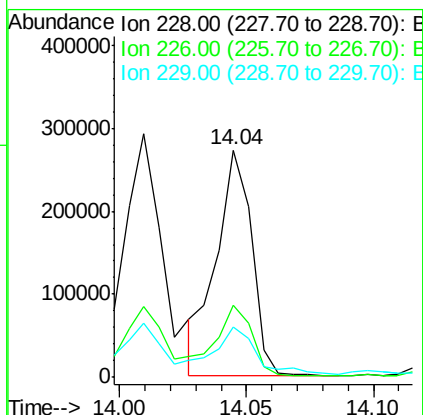
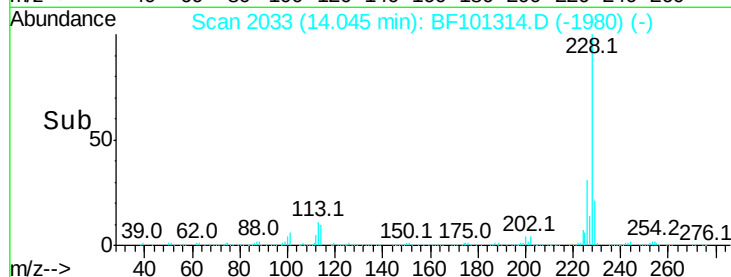
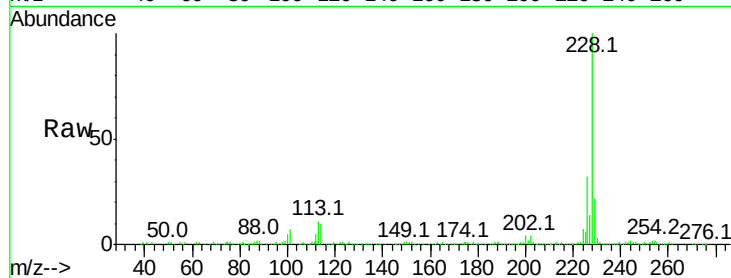
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 265097

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.1	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 27.608 ng

RT: 17.00 min Scan# 2535

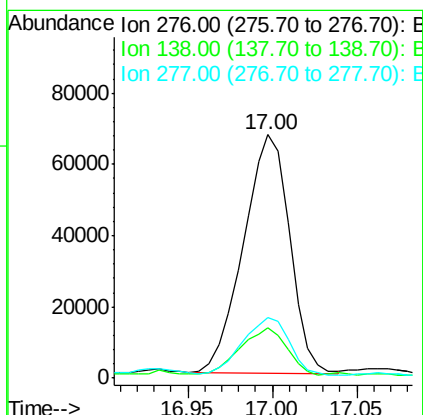
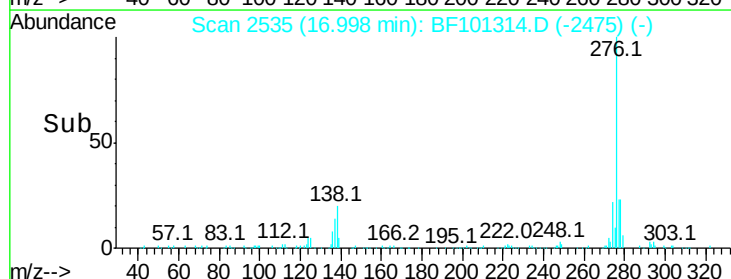
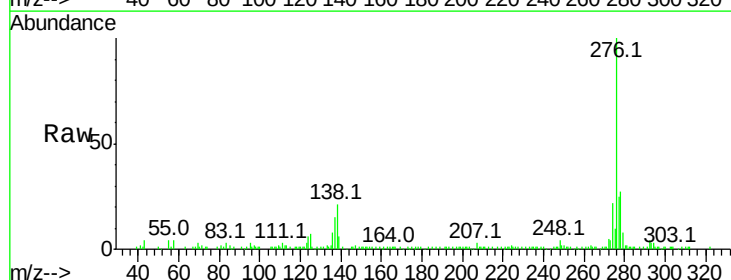
Delta R.T. 0.05 min

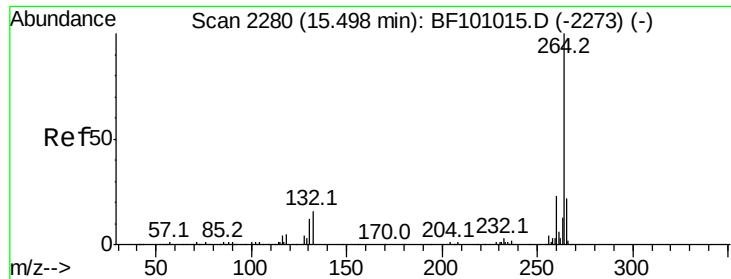
Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Tgt Ion:276 Resp: 127772

Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.0	37.6#
277	24.3	20.1	30.1

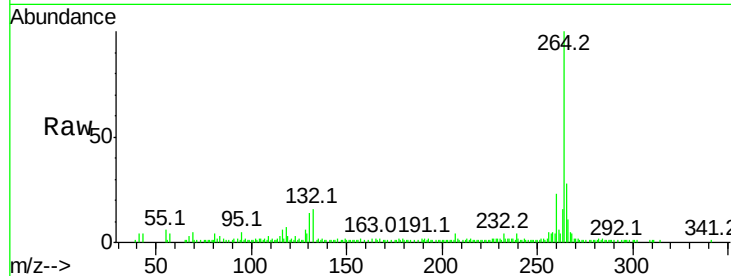




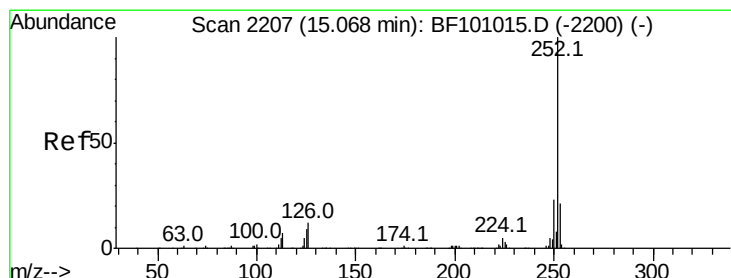
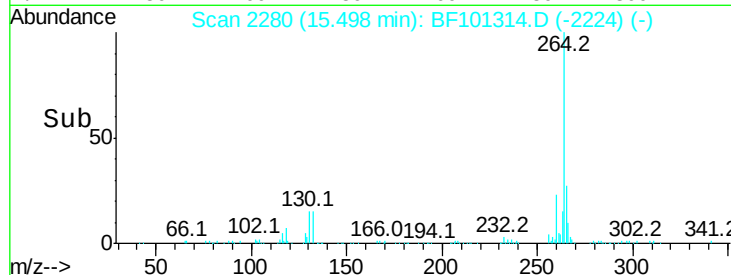
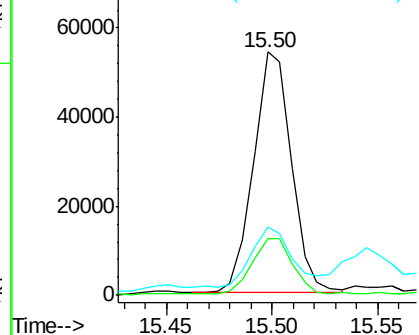
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.03 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	27.8	17.5	26.3#

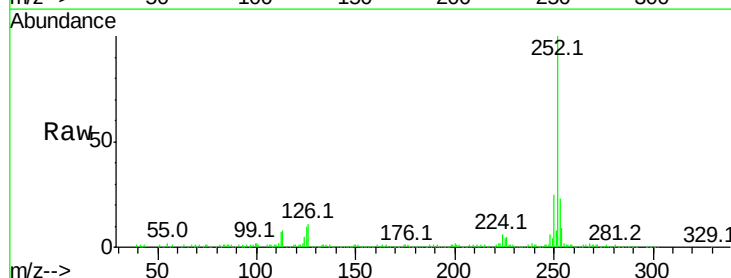


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

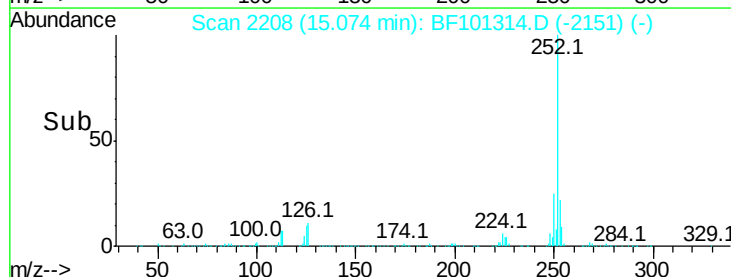
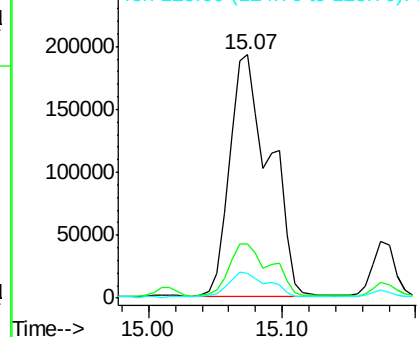


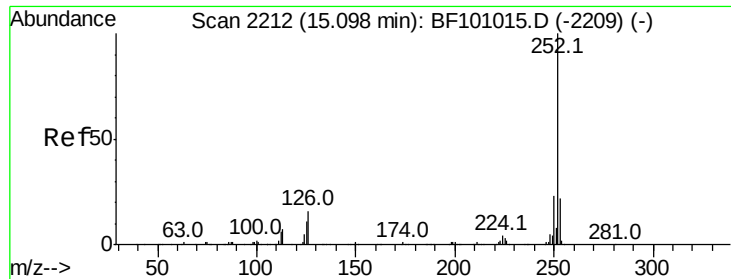
#87
Benzo(b)fluoranthene
Concen: 98.877 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.04 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.2	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

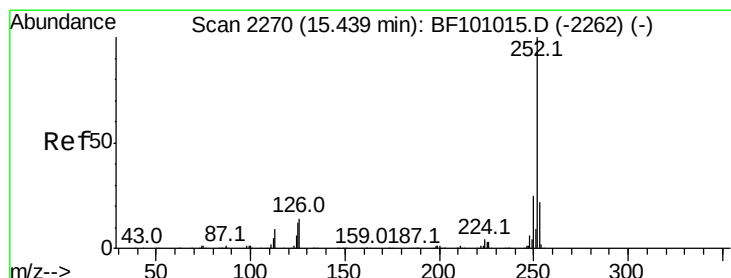
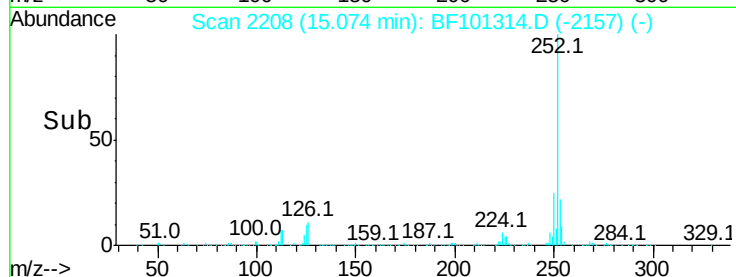
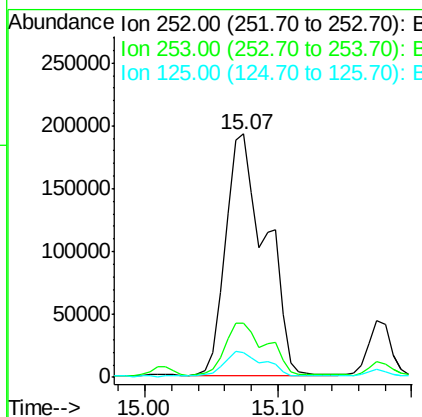
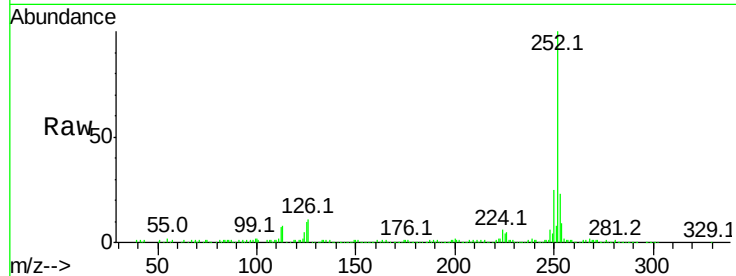




#88
Benzo(k)fluoranthene
Concen: 100.360 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

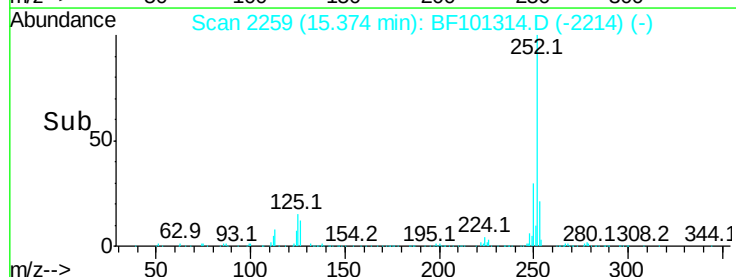
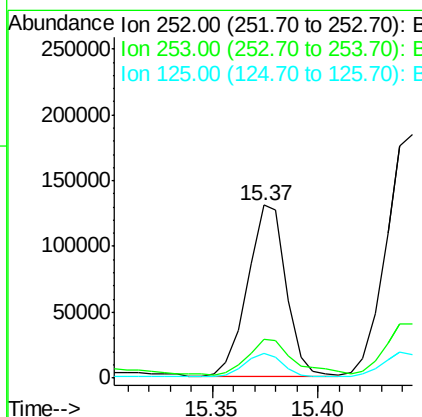
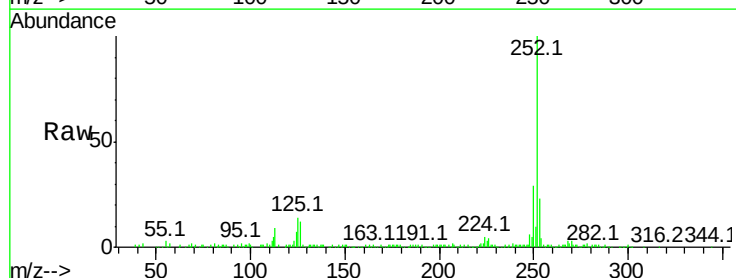
Instrument :
BNA_F
ClientSampleId :

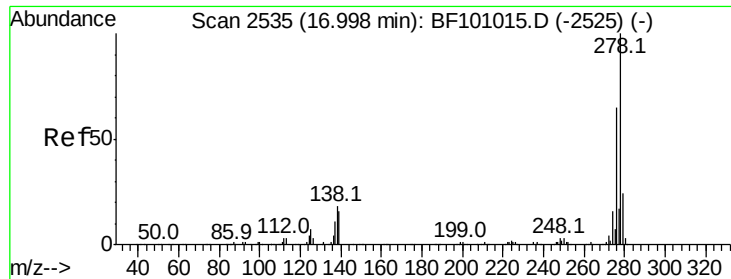
Tot Ion:252 Resp: 402279
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 44.749 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.04 min
Lab File: BF101314.D
Acq: 12 Dec 2017 5:09

Tgt Ion:252 Resp: 165515
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 14.5 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 11.939 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

Instrument :

BNA_F

ClientSampleId :

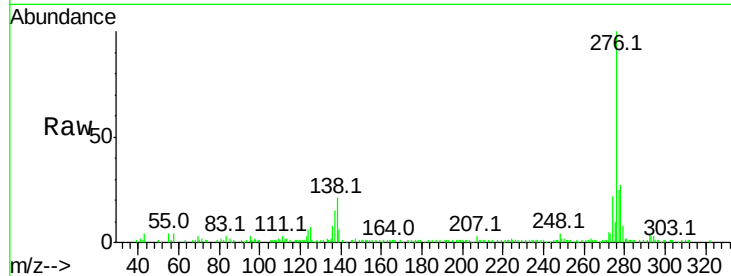
Tot Ion:278 Resp: 38930

Ion Ratio Lower Upper

278 100

139 22.1 15.9 23.9

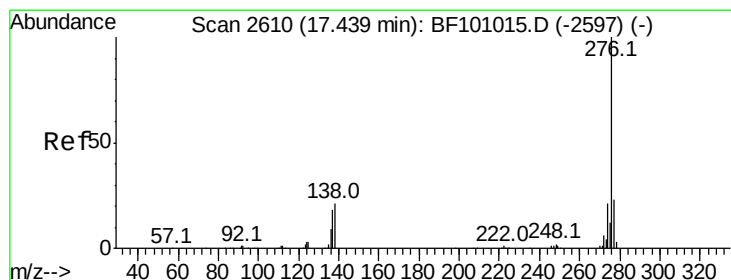
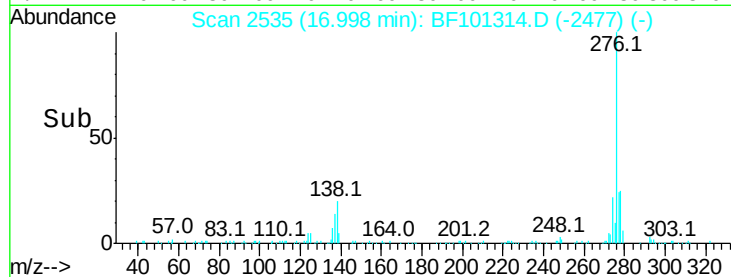
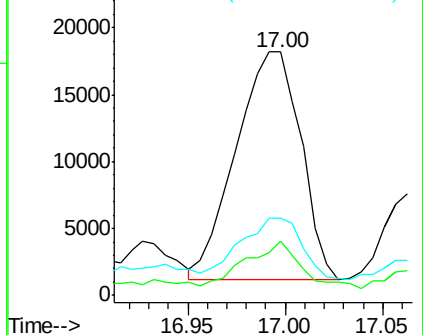
279 31.7 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 44.370 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF101314.D

Acq: 12 Dec 2017 5:09

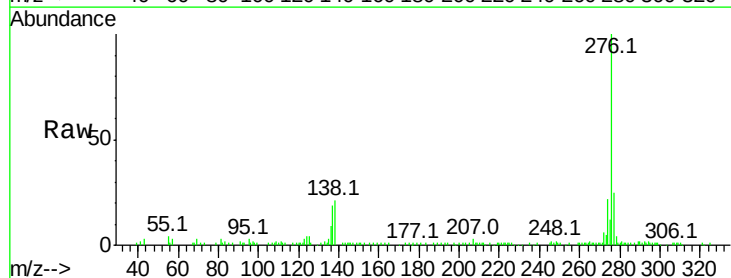
Tgt Ion:276 Resp: 136350

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 20.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

