

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108377.D
 Acq On : 22 Aug 2018 9:58
 Operator : JU/SJ
 Sample : J4555-05 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 10:54:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	144864	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	521452	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	233839	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	378378	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	327317	20.00	ng	-0.02
86) Perylene-d12	15.76	264	249902	20.00	ng	-0.02

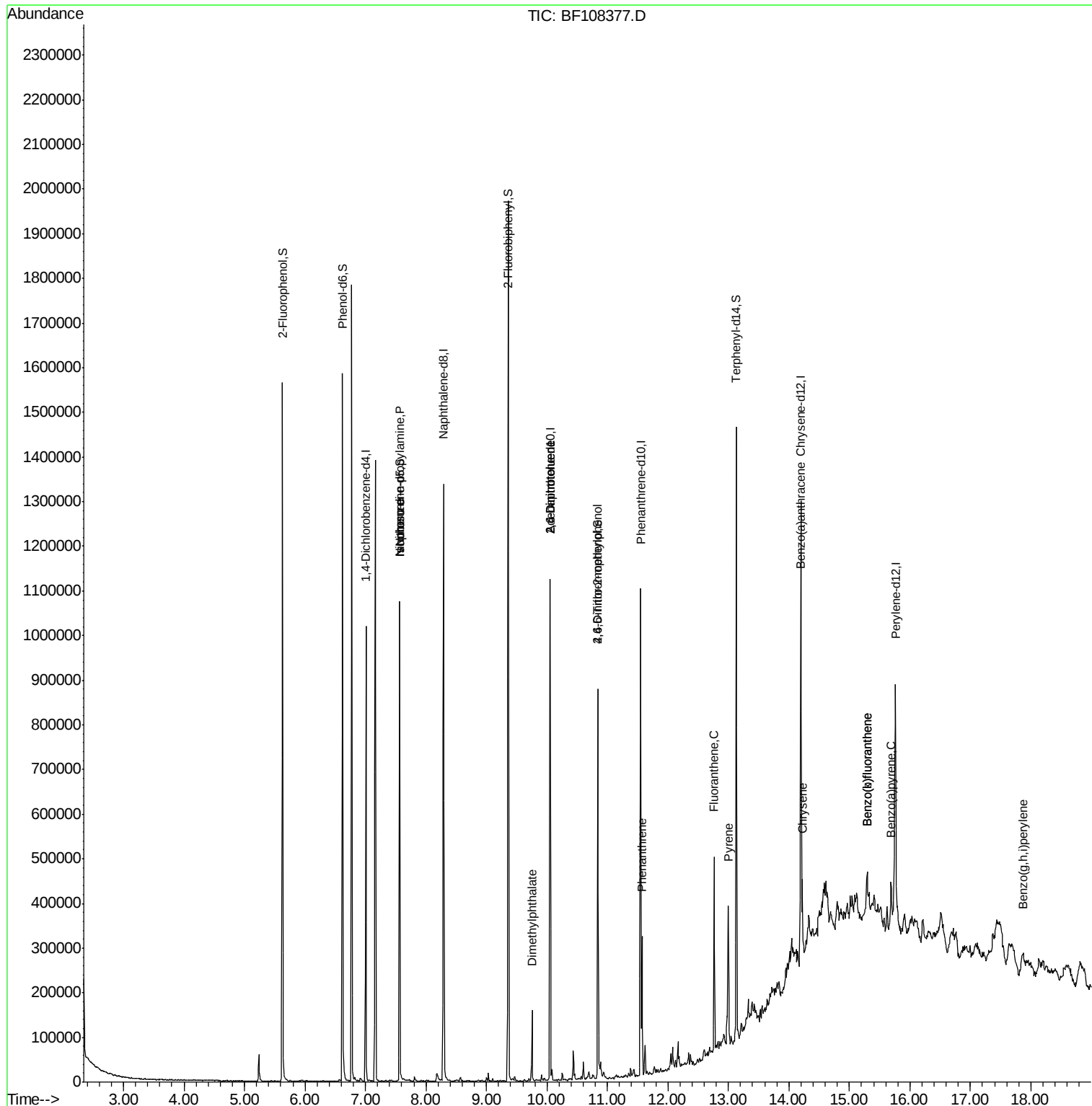
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	388787	48.59	ng	0.00
7) Phenol-d6	6.62	99	515310	48.46	ng	-0.01
23) Nitrobenzene-d5	7.57	82	323699	34.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	98492	42.23	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	551655	37.87	ng	-0.02
78) Terphenyl-d14	13.13	244	431139	33.49	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	43024	5.984	ng	# 83
25) Isophorone	7.57	82	323697	18.173	ng	# 64
49) Dimethylphthalate	9.75	163	63867	3.921	ng	# 99
50) 2,6-Dinitrotoluene	10.05	165	30860	9.055	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	30860	7.035	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	241	5.509	ng	# 1
70) Phenanthrene	11.57	178	103822	5.817	ng	98
74) Fluoranthene	12.77	202	162459	8.341	ng	93
77) Pyrene	13.00	202	137770	6.648	ng	99
80) Benzo(a)anthracene	14.19	228	72165	3.842	ng	97
82) Chrysene	14.22	228	58286	3.384	ng	96
87) Benzo(b)fluoranthene	15.29	252	85850	5.749	ng	# 88
88) Benzo(k)fluoranthene	15.29	252	85850	6.254	ng	# 91
89) Benzo(a)pyrene	15.69	252	42092	3.148	ng	# 89
91) Benzo(a,h,i)perylene	17.87	276	22864	2.099	ng	# 87

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

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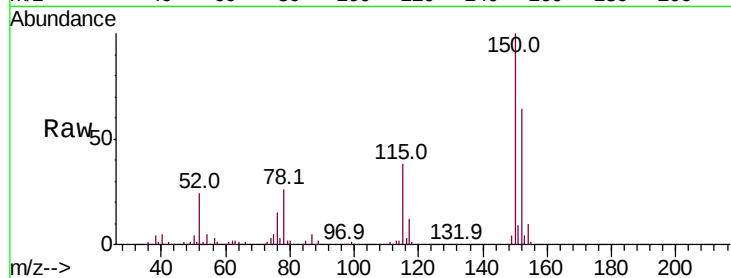


#1

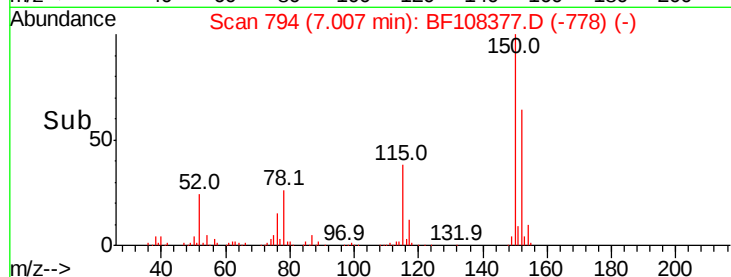
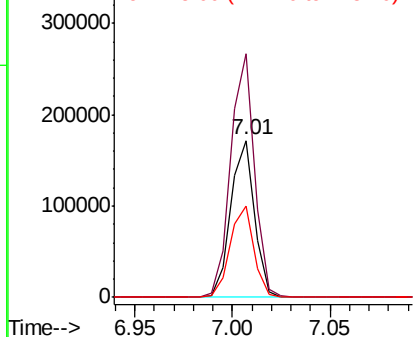
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144864
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 58.4 50.1 75.1



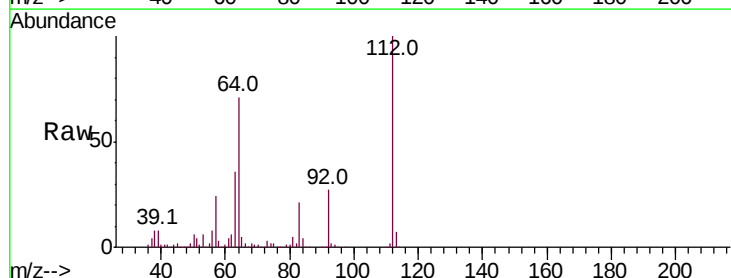
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



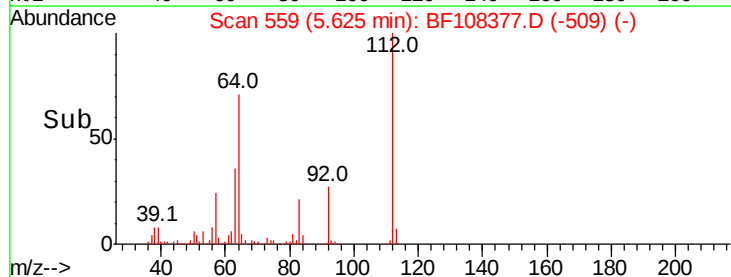
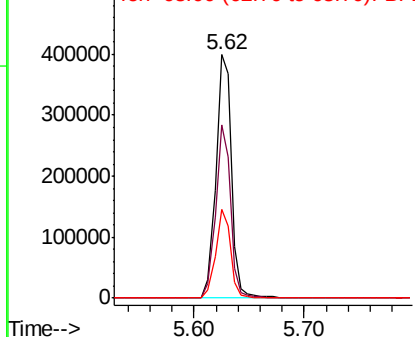
#5

2-Fluorophenol
Concen: 48.589 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion:112 Resp: 388787
Ion Ratio Lower Upper
112 100
64 71.0 47.9 71.9
63 36.2 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: 48.464 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

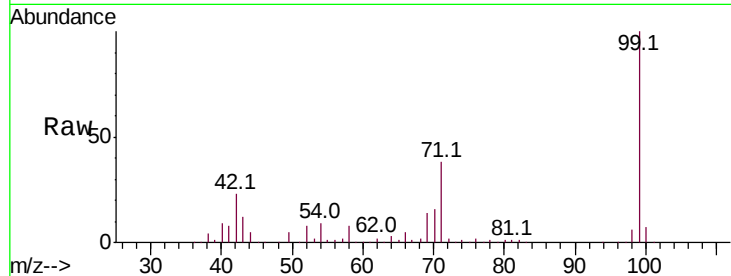
Instrument :

BNA_F

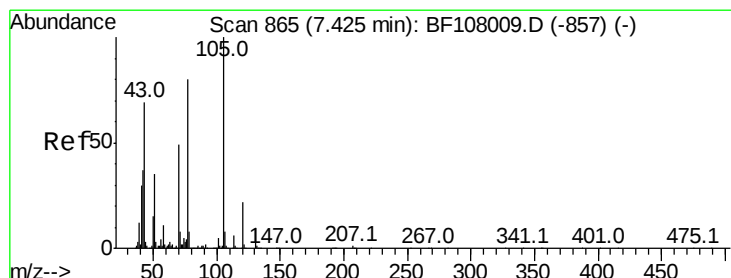
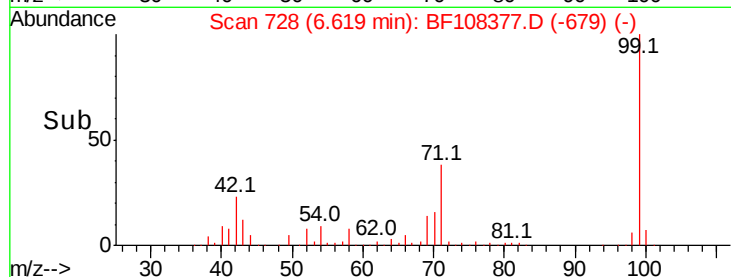
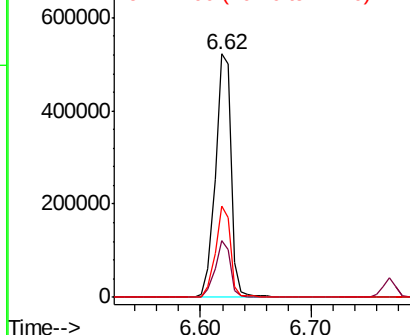
ClientSampleId :

Tot Ion: 99 Resp: 515310

Ion	Ratio	Lower	Upper
99	100		
42	23.2	14.5	21.7#
71	37.6	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: 5.984 ng

RT: 7.57 min Scan# 889

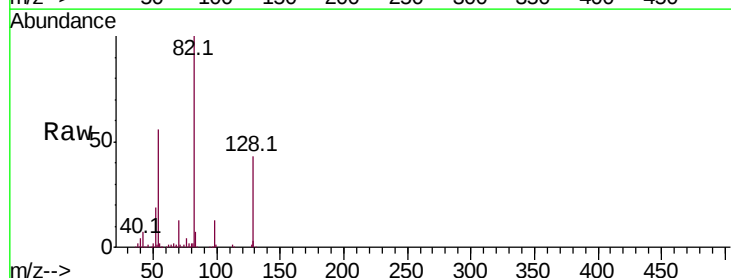
Delta R.T. 0.14 min

Lab File: BF108377.D

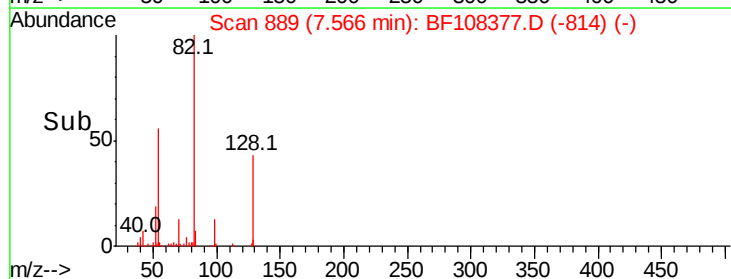
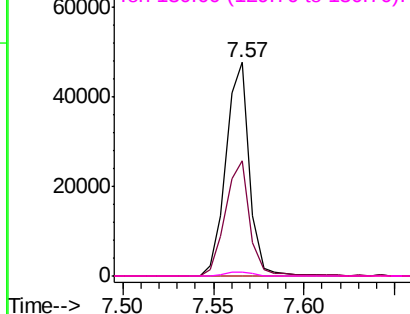
Acq: 22 Aug 2018 9:58

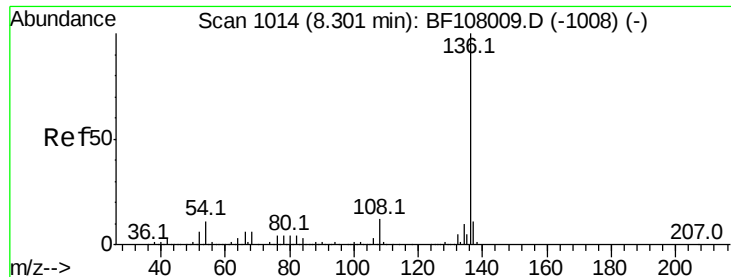
Tgt Ion: 70 Resp: 43024

Ion	Ratio	Lower	Upper
70	100		
42	54.1	47.5	71.3
101	0.0	7.4	11.2#
130	1.7	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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 521452

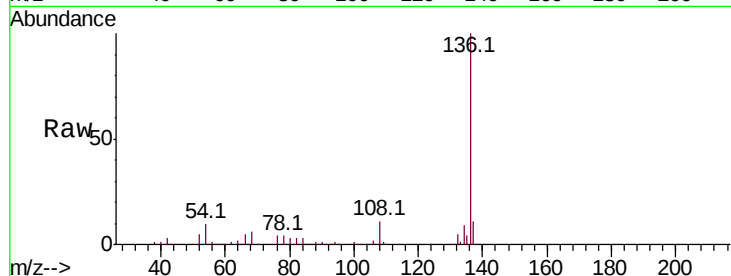
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.6 6.6 9.8

68 5.8 5.0 7.4

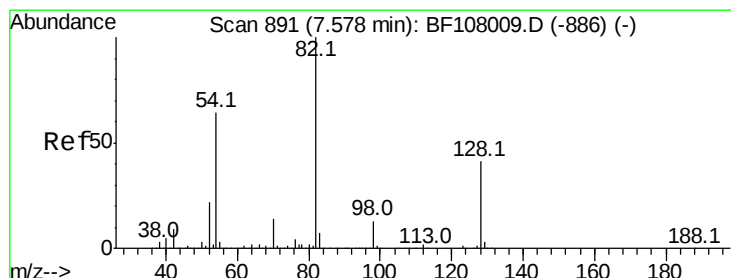
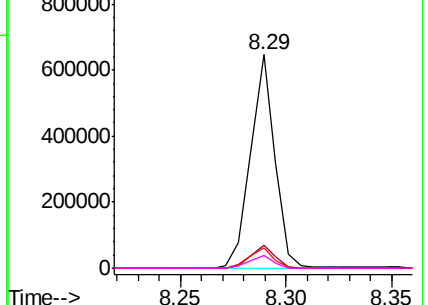
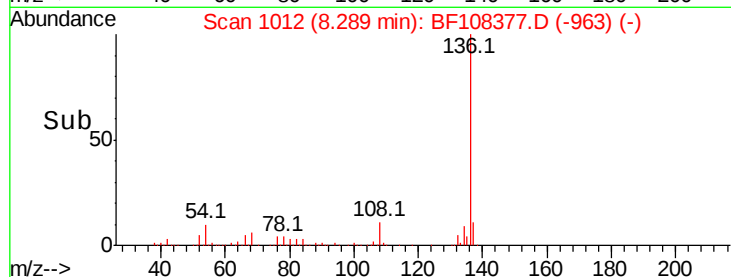


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 34.640 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

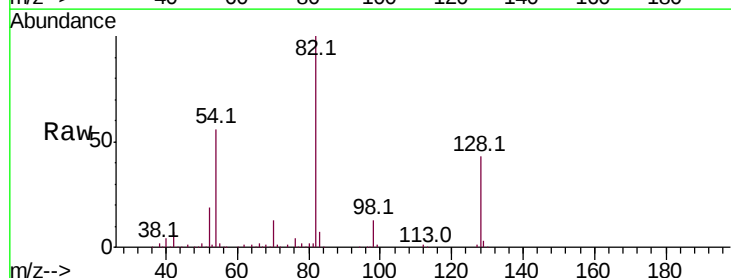
Tgt Ion: 82 Resp: 323699

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

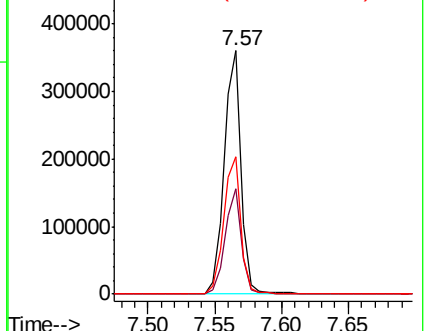
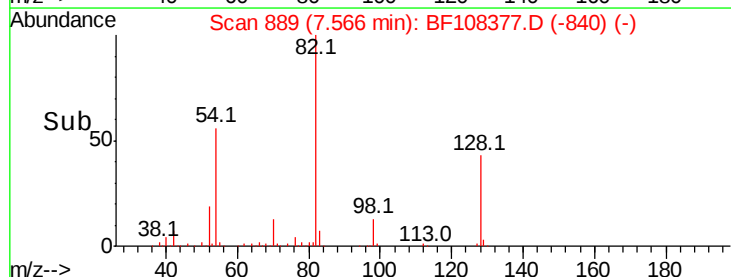
54 56.5 41.4 62.2

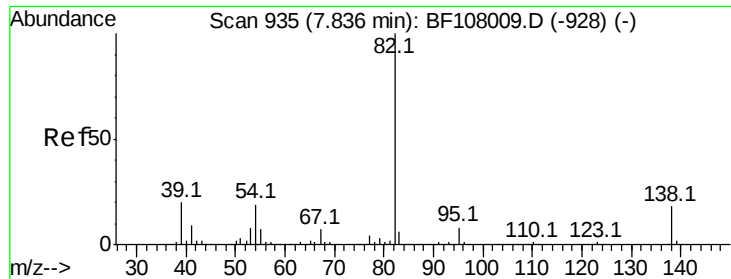


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

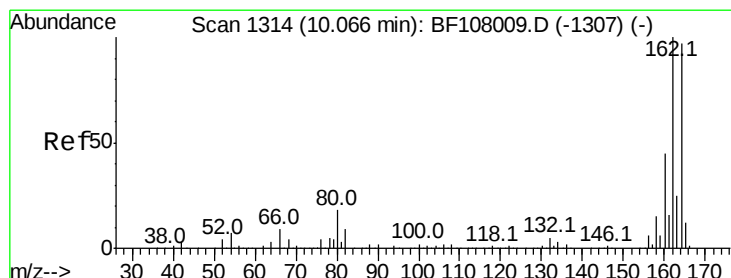
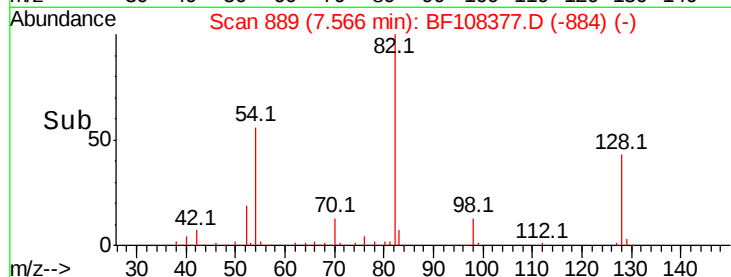
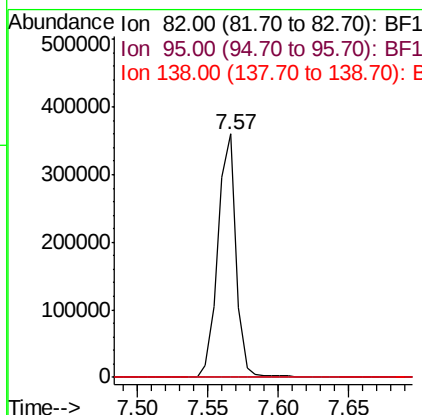
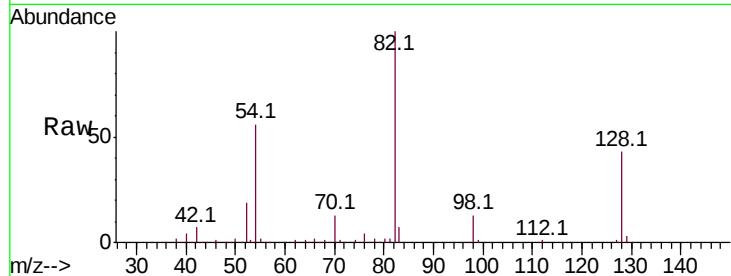




#25
Isophorone
Concen: 18.173 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.27 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

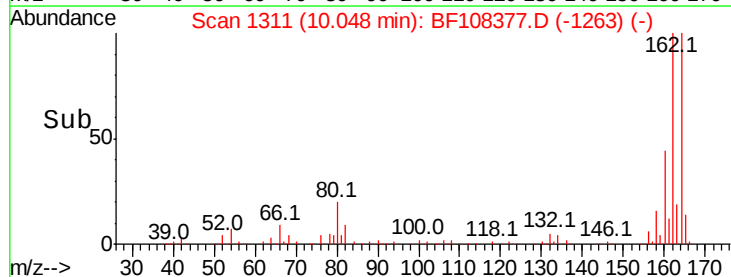
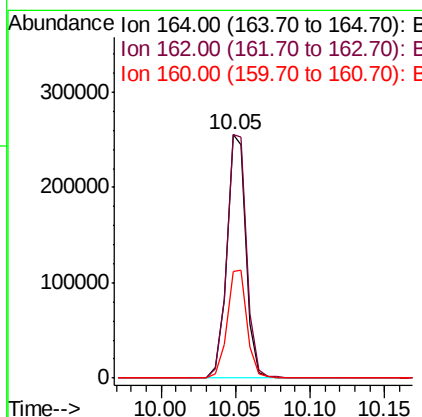
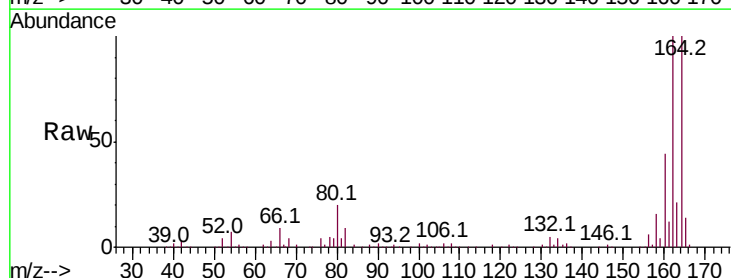
Instrument :
BNA_F
ClientSampleId :

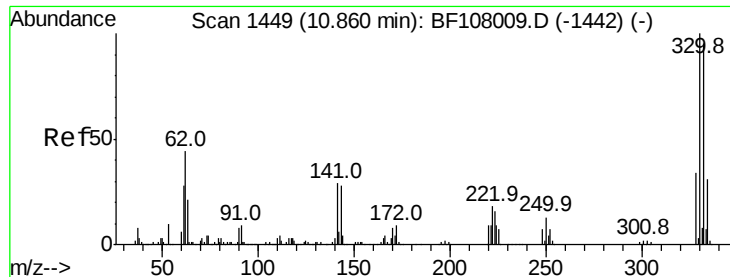
Tot Ion	82	Resp	323697
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion	164	Resp	233839
Ion	Ratio	Lower	Upper
164	100		
162	100.1	86.1	129.1
160	43.8	38.3	57.5

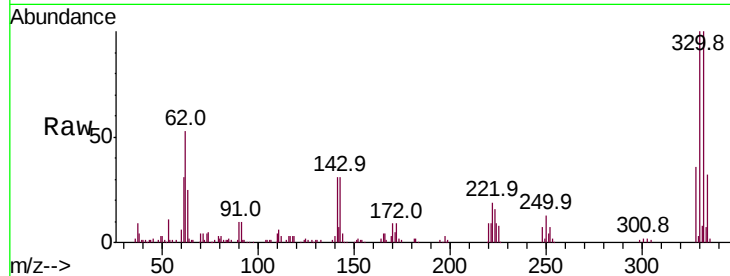




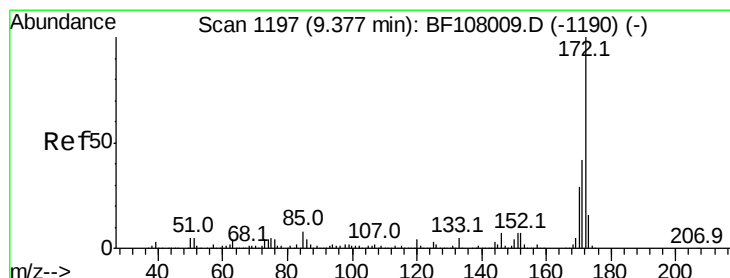
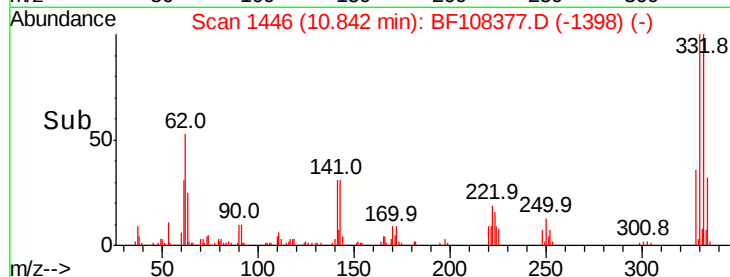
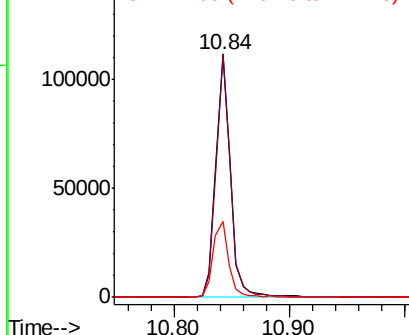
#41
 2,4,6-Tribromophenol
 Concen: 42.226 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108377.D
 Acq: 22 Aug 2018 9:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	33.5	29.9	44.9

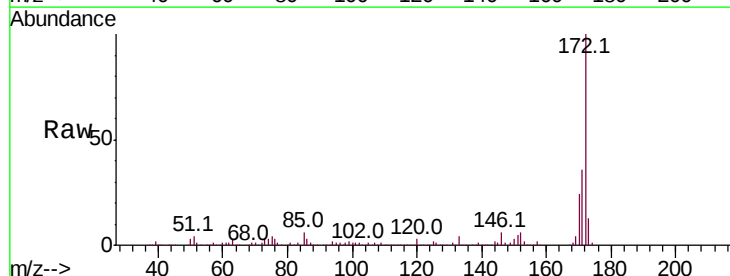


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

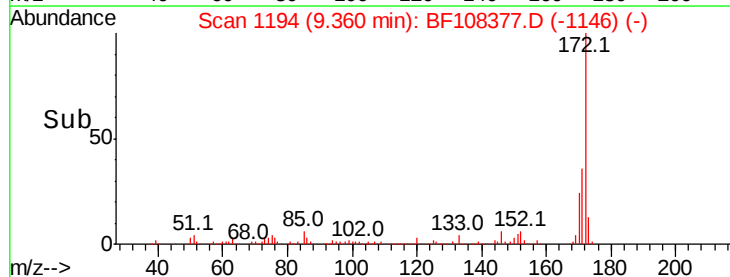
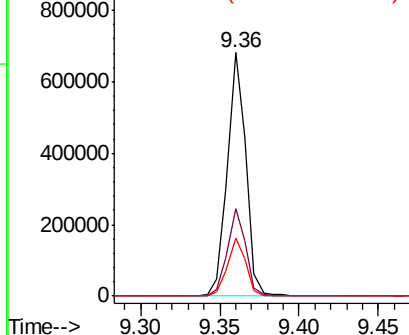


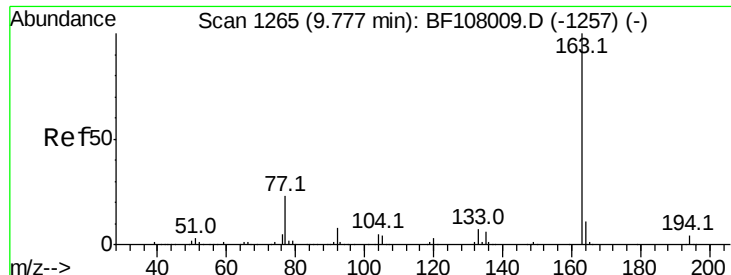
#44
 2-Fluorobiphenyl
 Concen: 37.875 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108377.D
 Acq: 22 Aug 2018 9:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	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

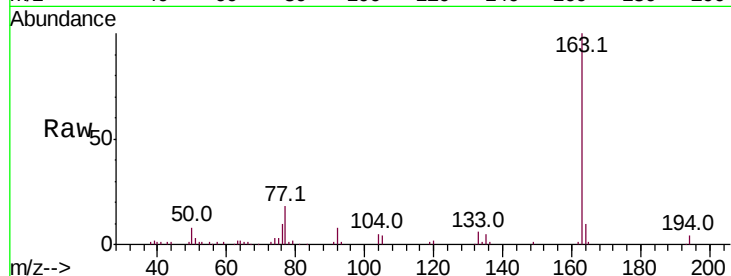




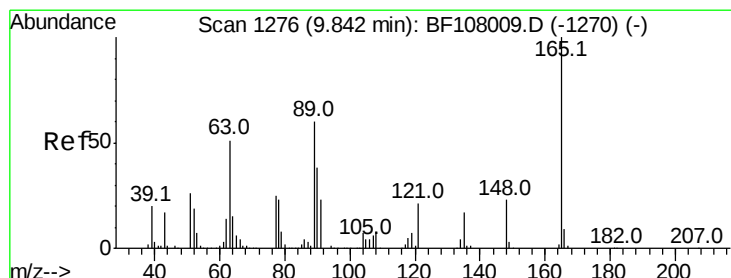
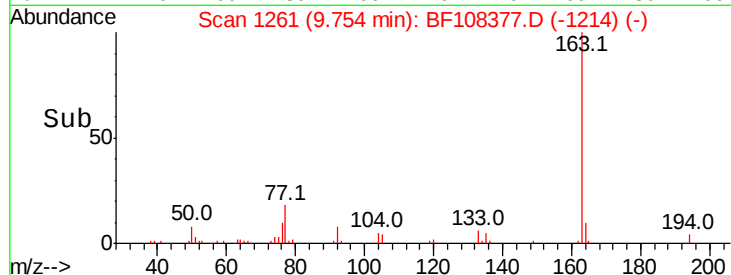
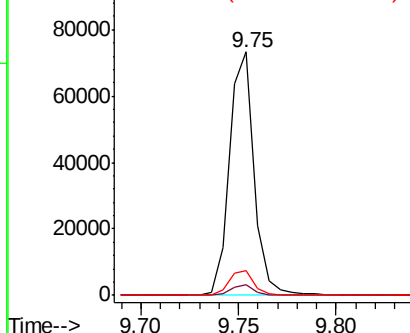
#49
Dimethylphthalate
Concen: 3.921 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	10.2	8.2	12.2

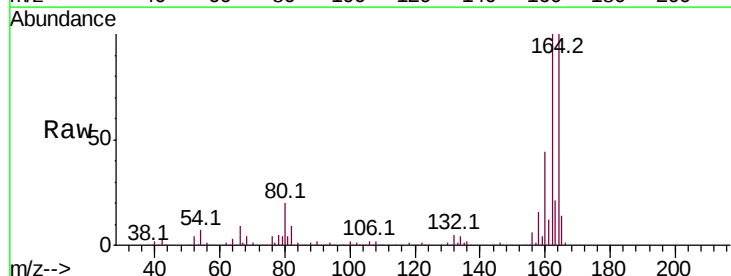


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

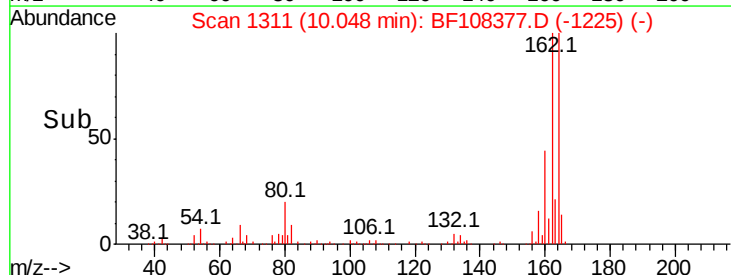
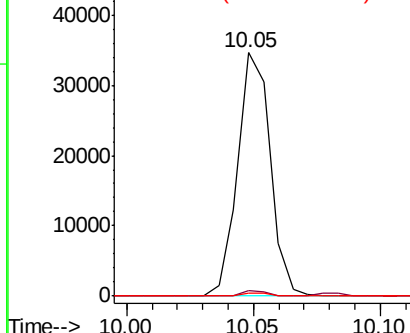


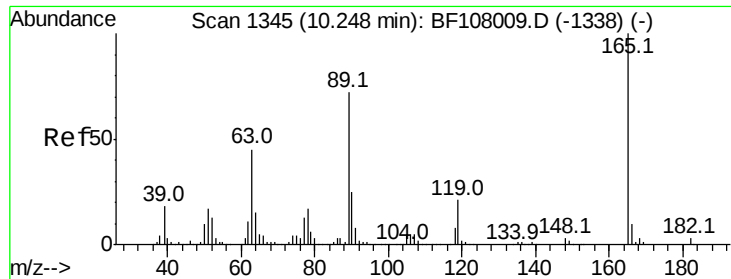
#50
2,6-Dinitrotoluene
Concen: 9.055 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.21 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.5	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

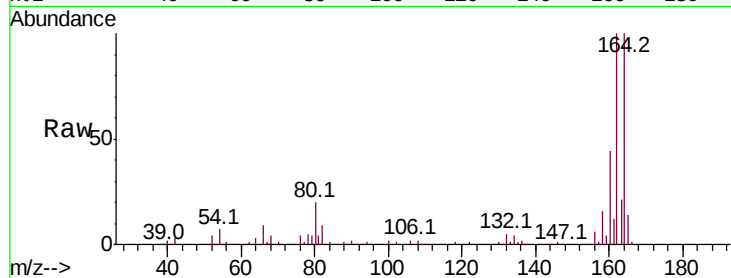




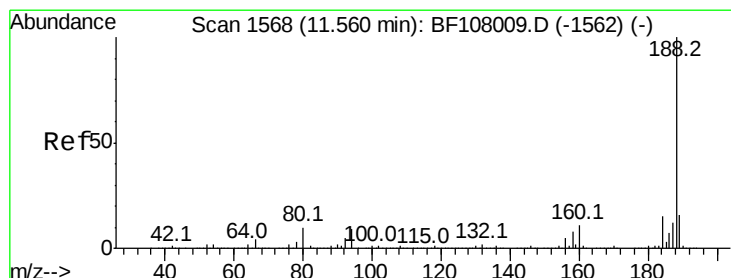
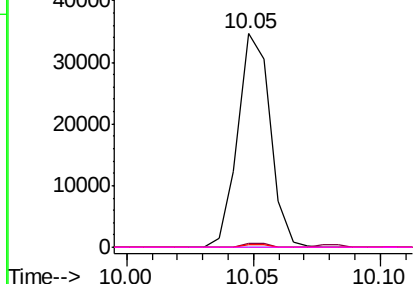
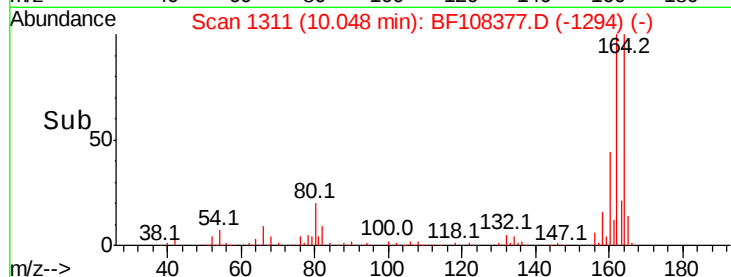
#56
 2,4-Dinitrotoluene
 Concen: 7.035 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108377.D
 Acq: 22 Aug 2018 9:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	30860
Ion Ratio	Lower	Upper
165	100	
63	2.0	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

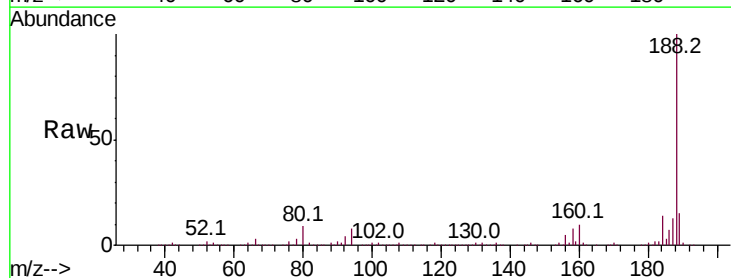


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

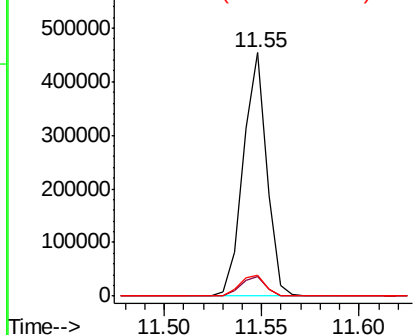
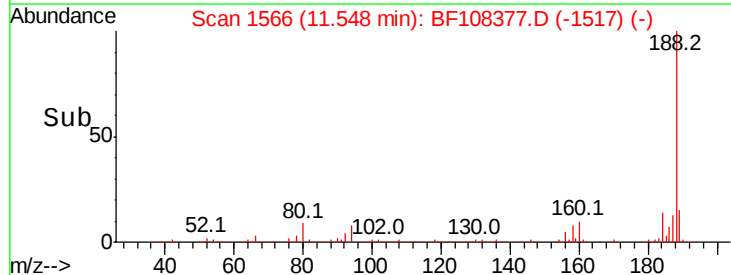


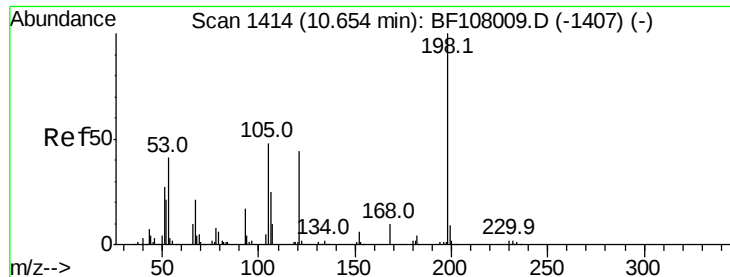
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108377.D
 Acq: 22 Aug 2018 9:58

Tgt Ion:188	Resp:	378378
Ion Ratio	Lower	Upper
188	100	
94	8.0	8.5 12.7#
80	8.8	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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.509 ng

RT: 10.84 min Scan# 1446

Delta R.T. 0.19 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

Instrument :

BNA_F

ClientSampled :

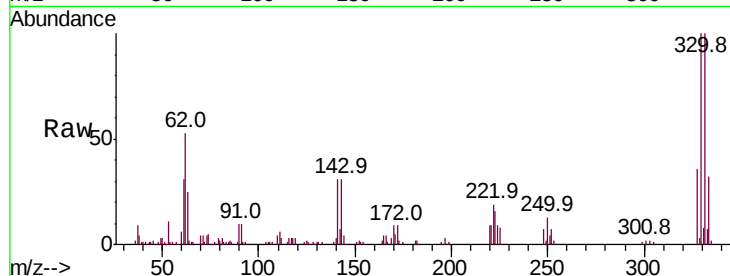
Tot Ion:198 Resp: 241

Ion Ratio Lower Upper

198 100

51 210.0 37.7 77.7#

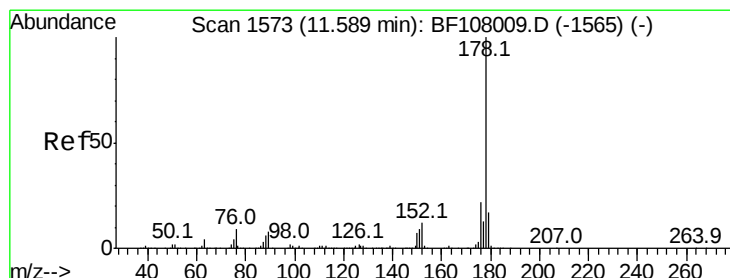
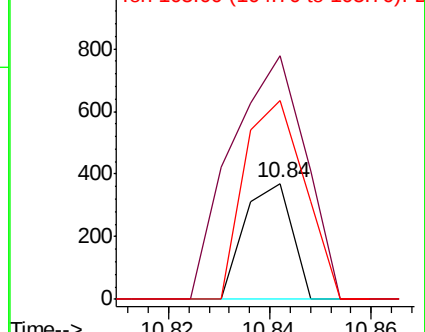
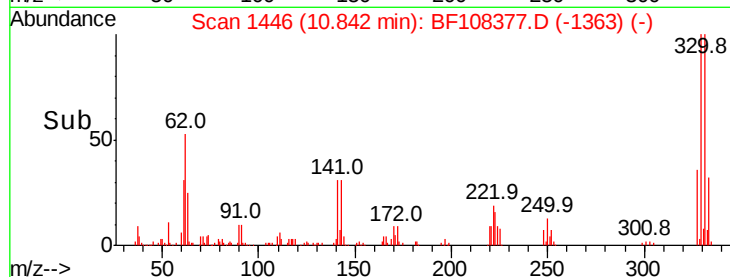
105 171.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 5.817 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

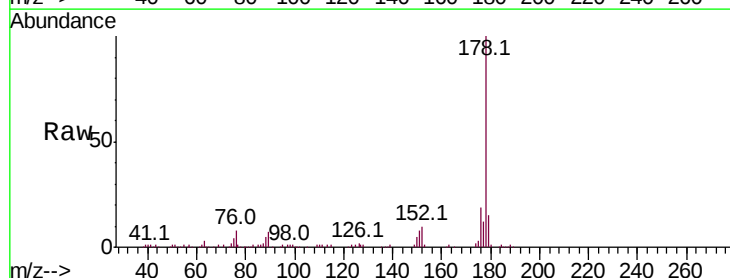
Tgt Ion:178 Resp: 103822

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

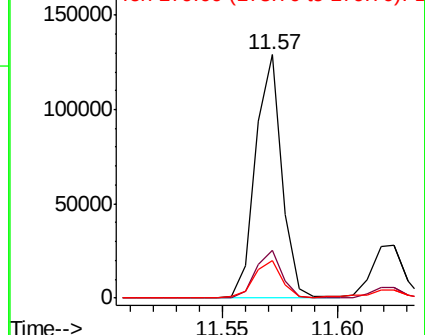
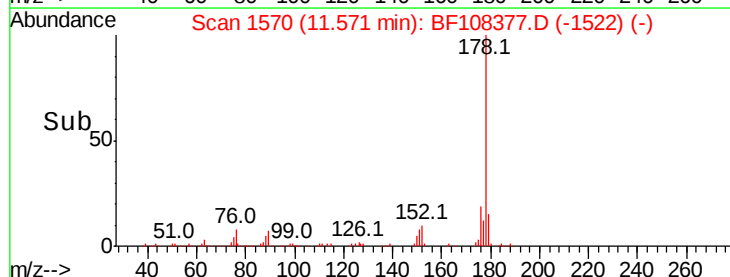
179 15.2 13.0 19.6

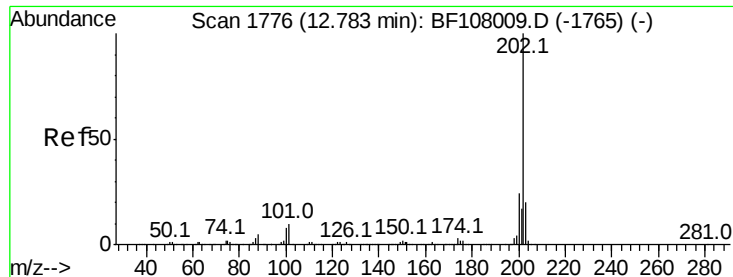


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.341 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108377.D

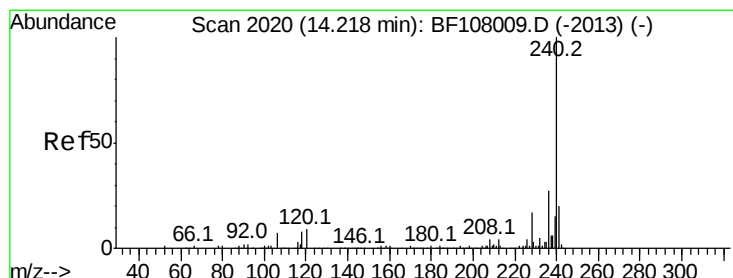
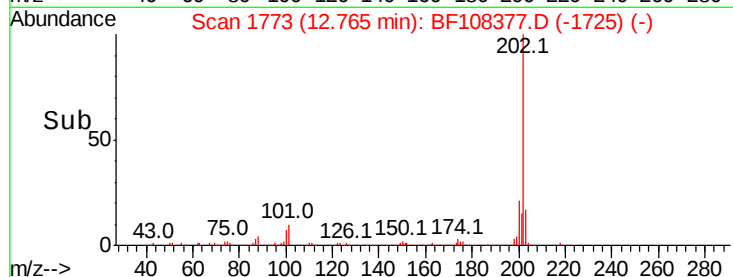
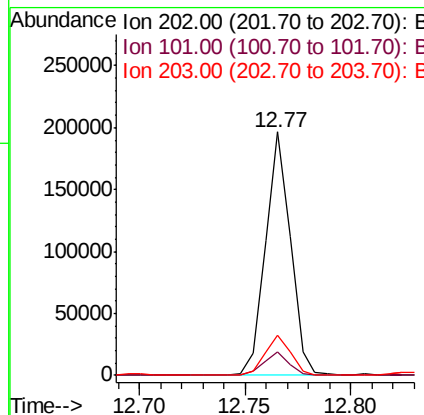
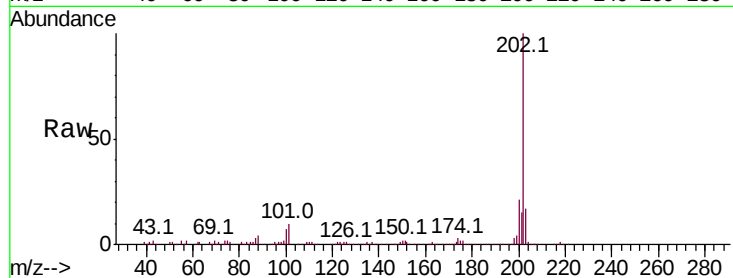
Acq: 22 Aug 2018 9:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	162459
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	16.7	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

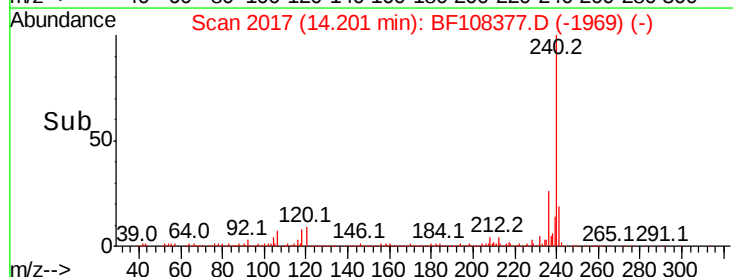
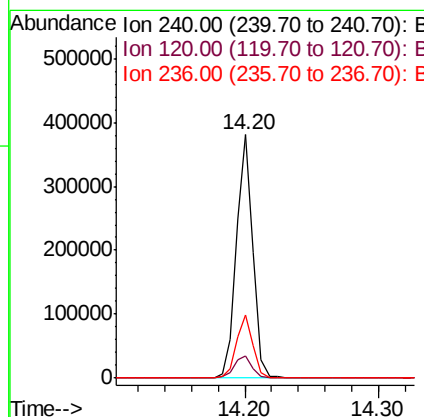
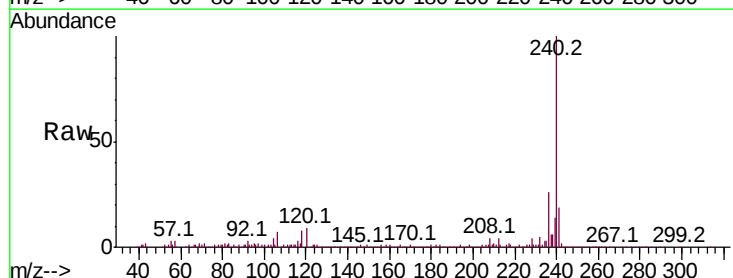
RT: 14.20 min Scan# 2017

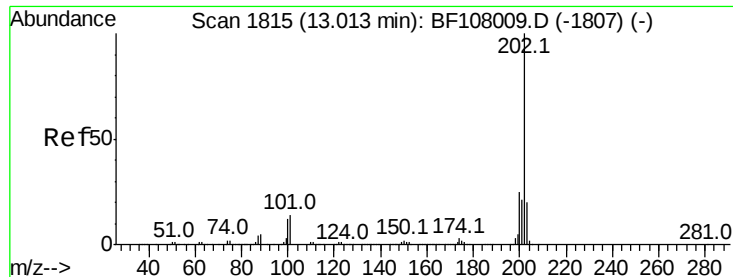
Delta R.T. -0.02 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

Tgt Ion:	240	Resp:	327317
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	25.7	20.7	31.1





#77

Pvrene

Concen: 6.648 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

Instrument :

BNA_F

ClientSampleId :

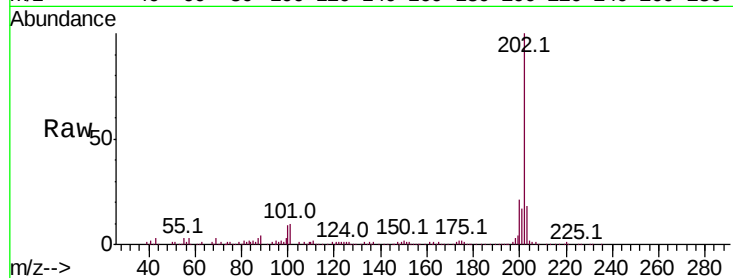
Tot Ion:202 Resp: 137770

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

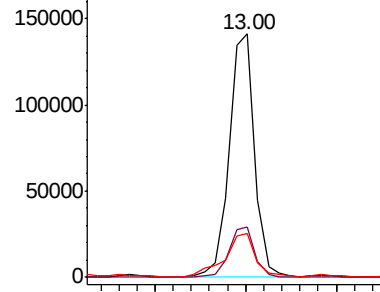
203 18.1 14.3 21.5



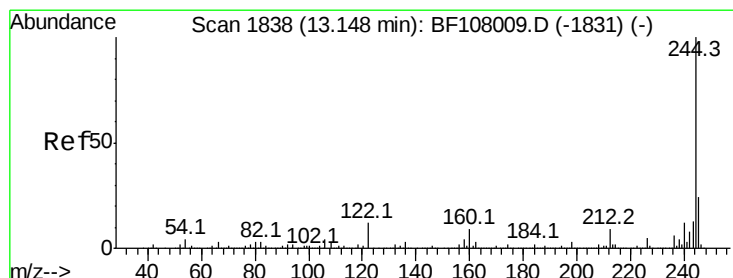
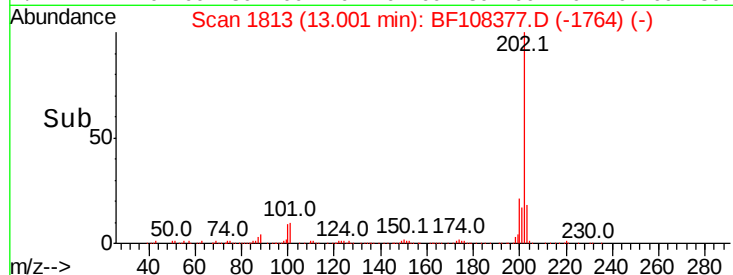
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 33.490 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

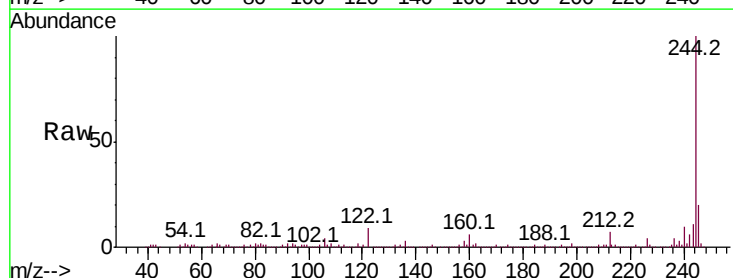
Tgt Ion:244 Resp: 431139

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

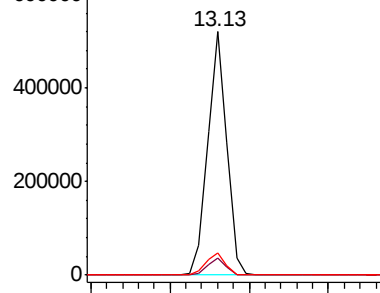
122 9.3 11.0 16.4#



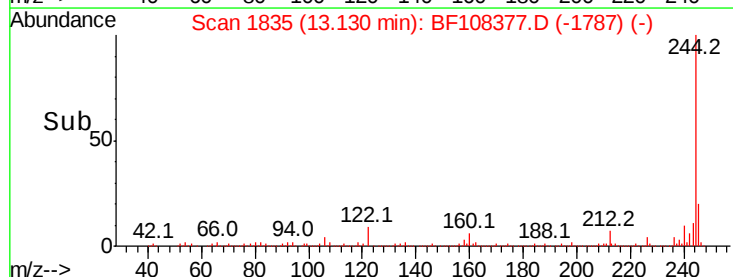
Abundance Ion 244.00 (243.70 to 244.70): E

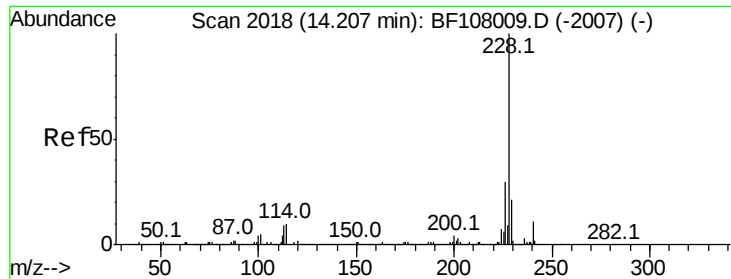
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

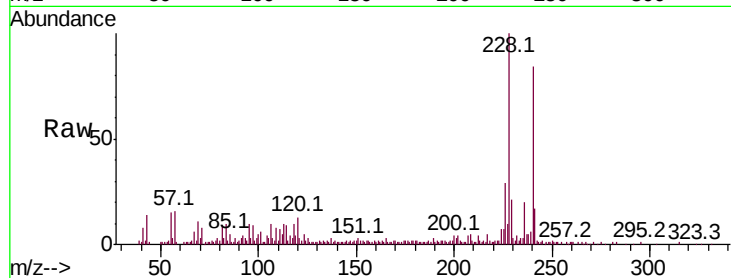




#80
Benzo(a)anthracene
Concen: 3.842 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.3	15.8	23.6

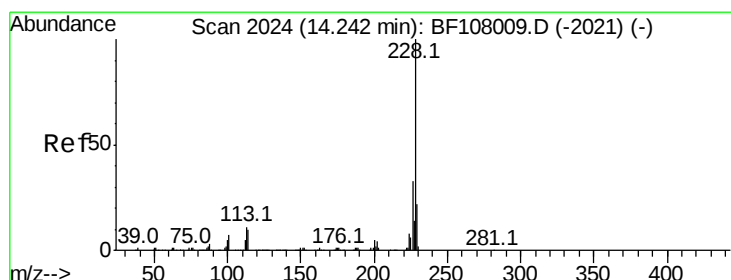
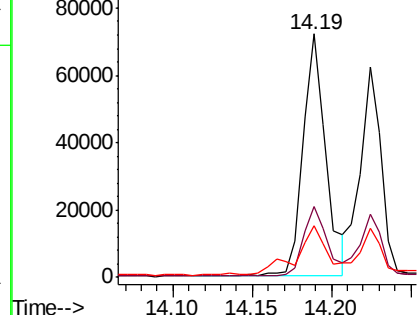
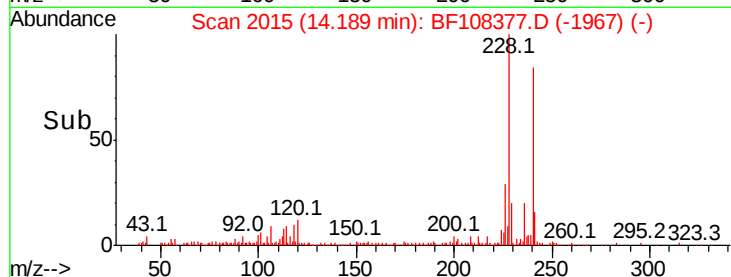


Abundance

Ion 228.00 (227.70 to 228.70): E

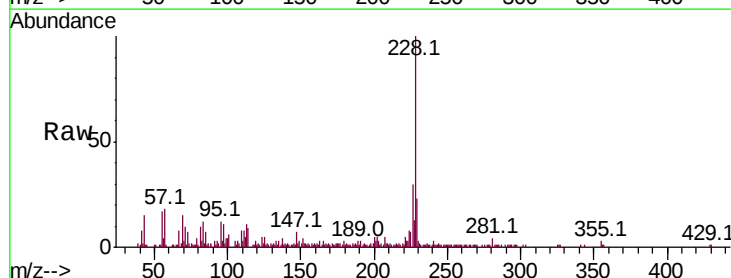
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 3.384 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	23.4	16.2	24.4

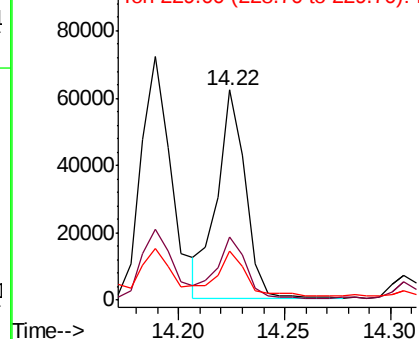
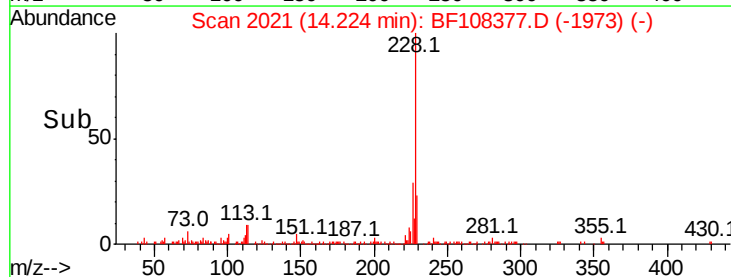


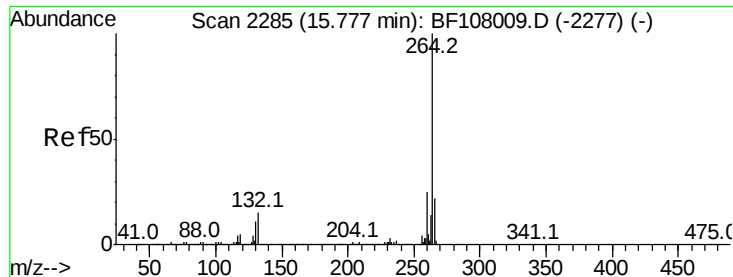
Abundance

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

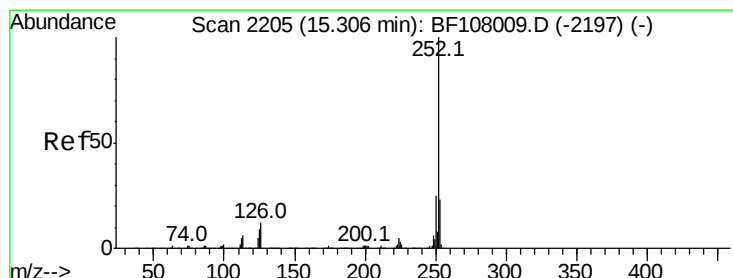
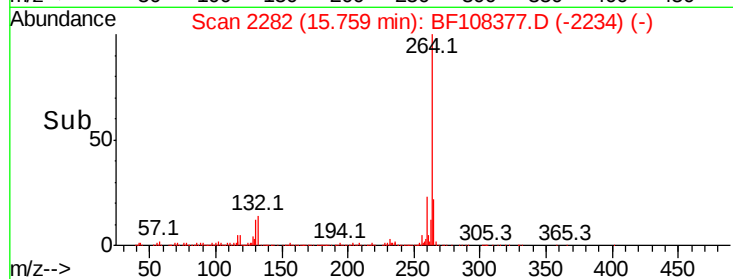
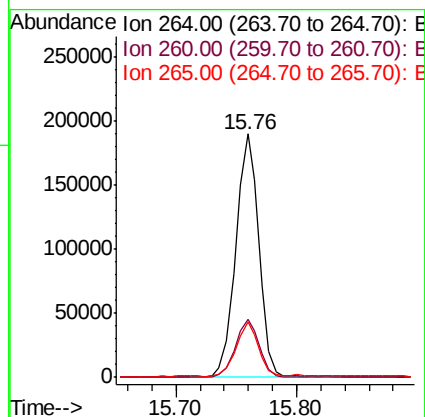
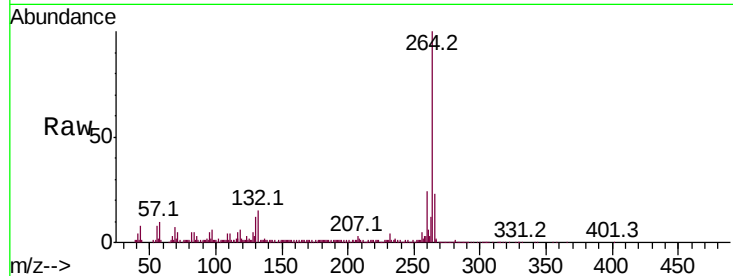




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.76 min Scan# 2282
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

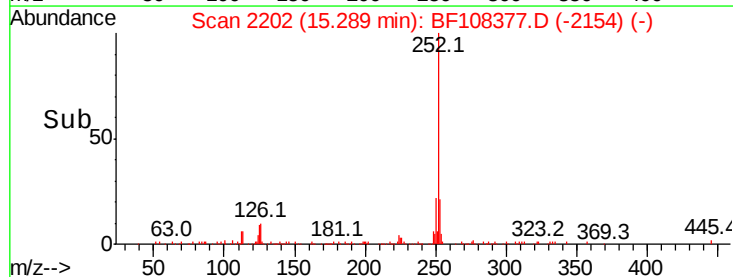
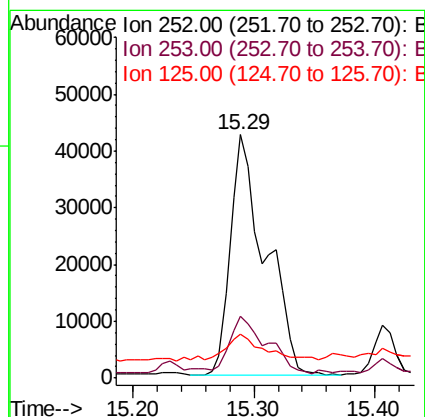
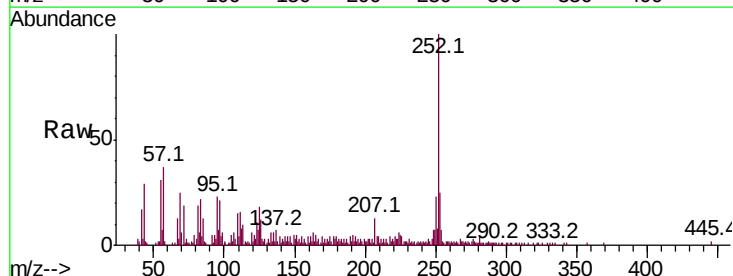
Instrument :
BNA_F
ClientSampled :

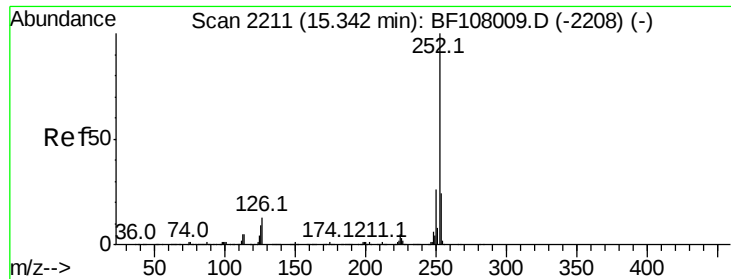
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.749 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	18.1	9.0	13.6#

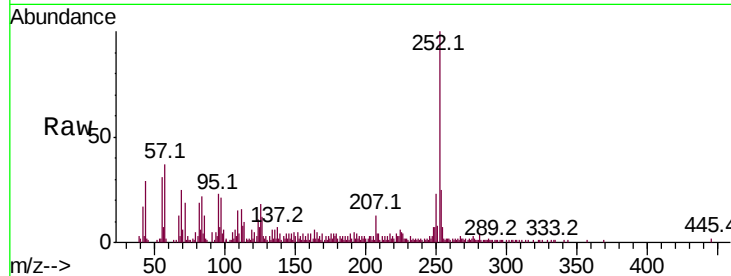




#88
Benzo(k)fluoranthene
Concen: 6.254 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	18.1	10.2	15.2

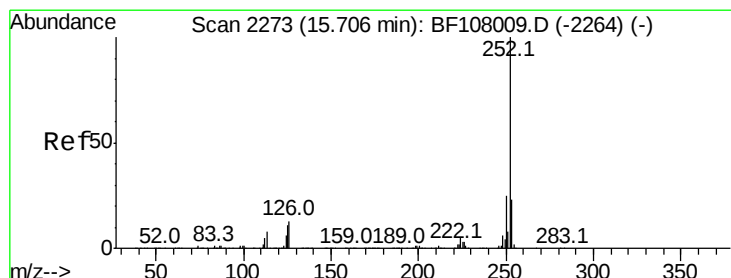
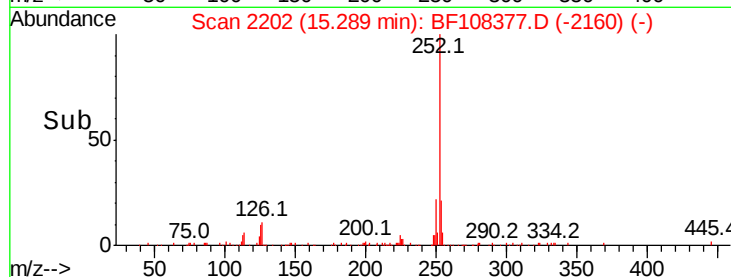
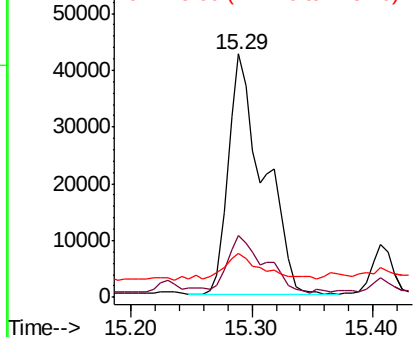


Abundance

Ion 252.00 (251.70 to 252.70): E

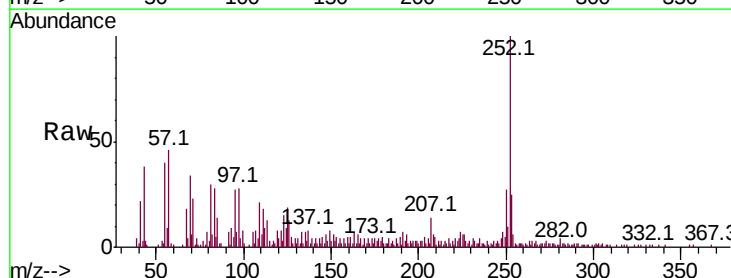
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.148 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108377.D
Acq: 22 Aug 2018 9:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	19.0	9.8	14.6

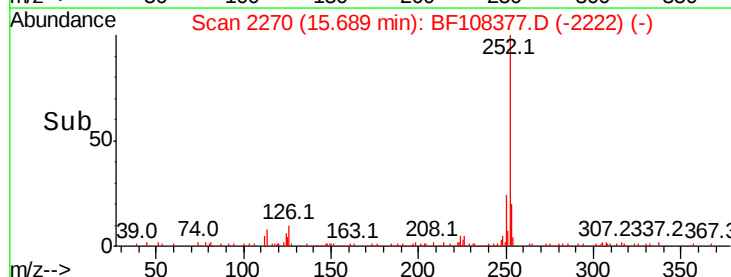
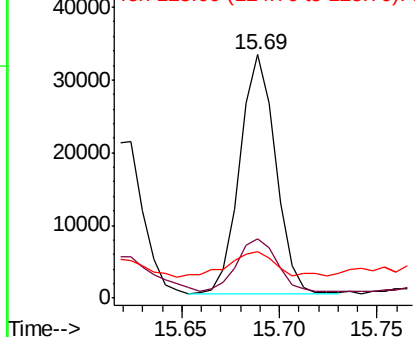


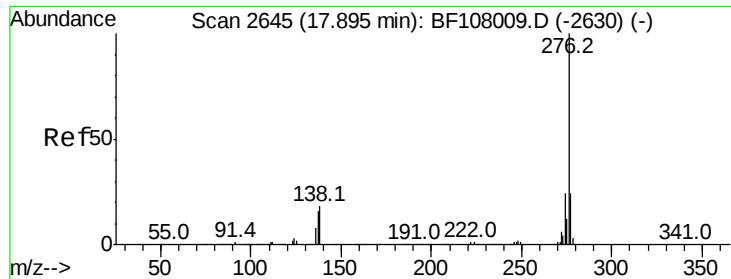
Abundance

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





#91

Benzo(a,h,i)perylene

Concen: 2.099 ng

RT: 17.87 min Scan# 2640

Delta R.T. -0.03 min

Lab File: BF108377.D

Acq: 22 Aug 2018 9:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 22864

Ion Ratio Lower Upper

276 100

277 29.3 17.9 26.9#

138 20.8 21.8 32.8#

