

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081318\
 Data File : BF108113.D
 Acq On : 13 Aug 2018 13:55
 Operator : JU/SJ
 Sample : J4272-11RE 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 13 15:00:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	264471	20.00	ng	0.00
21) Naphthalene-d8	8.31	136	993575	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	487270	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	857961	20.00	ng	0.01
75) Chrysene-d12	14.23	240	667215	20.00	ng	0.01
86) Perylene-d12	15.82	264	693969	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	737678	50.50	ng	0.00
7) Phenol-d6	6.63	99	1023715	52.74	ng	0.00
23) Nitrobenzene-d5	7.58	82	644995	36.22	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	245443	50.50	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1102697	36.33	ng	0.00
78) Terphenyl-d14	13.16	244	972041	37.04	ng	0.01

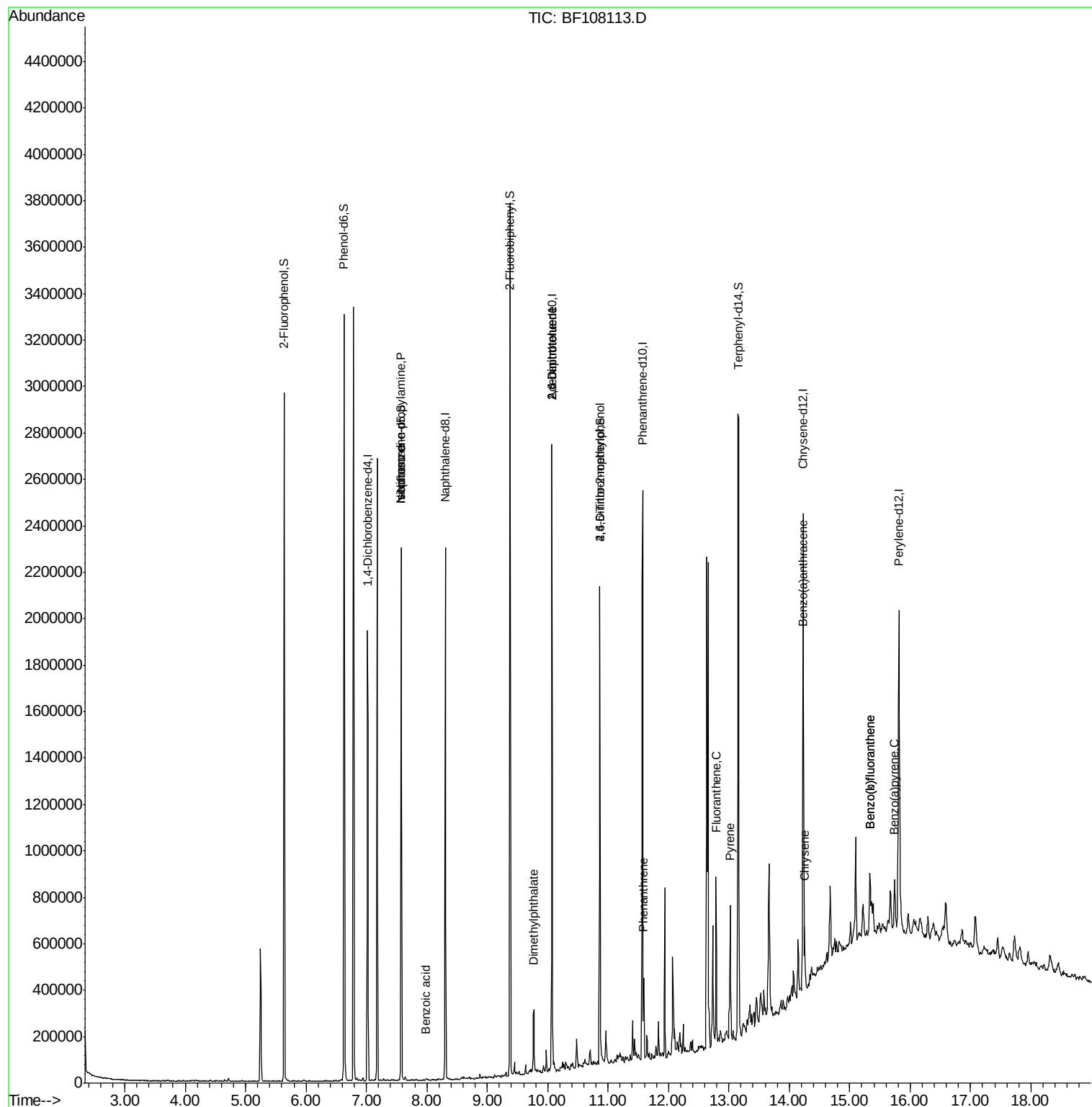
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	86629	6.599	ng	# 88
25) Isophorone	7.58	82	642160	18.922	ng	# 64
32) Benzoic acid	7.98	122	897	6.064	ng	# 68
49) Dimethylphthalate	9.77	163	91491	2.695	ng	# 99
50) 2,6-Dinitrotoluene	10.07	165	64722	9.114	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	64722	7.080	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.86	198	494	5.495	ng	# 1
70) Phenanthrene	11.59	178	127523	3.151	ng	97
74) Fluoranthene	12.79	202	250923	5.682	ng	97
77) Pyrene	13.02	202	236536	5.600	ng	99
80) Benzo(a)anthracene	14.22	228	129710	3.387	ng	97
82) Chrysene	14.25	228	108793	3.099	ng	97
87) Benzo(b)fluoranthene	15.34	252	198959	4.798	ng	# 93
88) Benzo(k)fluoranthene	15.34	252	198959	5.219	ng	95
89) Benzo(a)pyrene	15.74	252	114179	3.075	ng	92

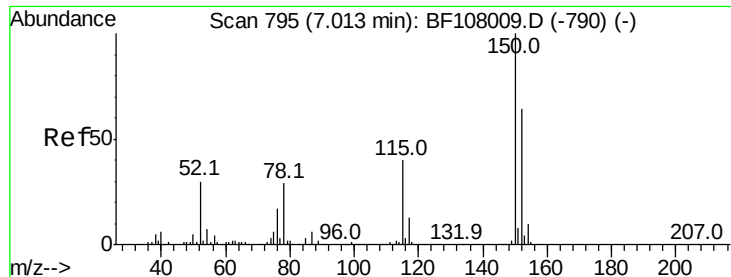
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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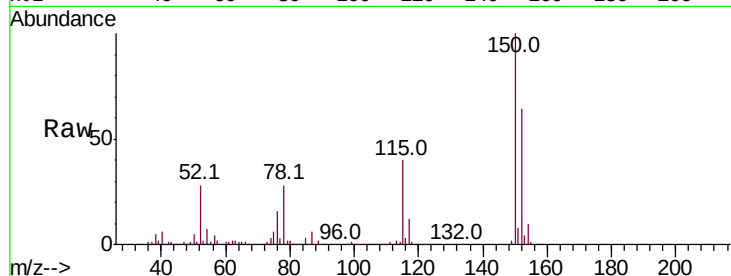


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	62.1	50.1	75.1

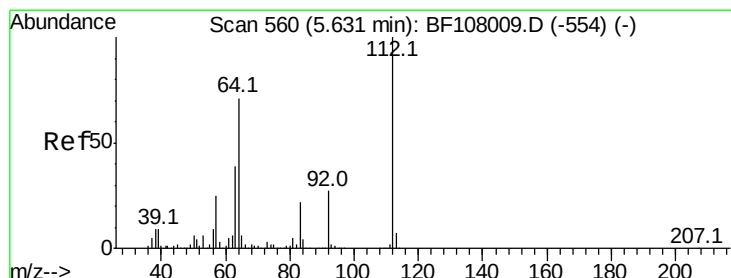
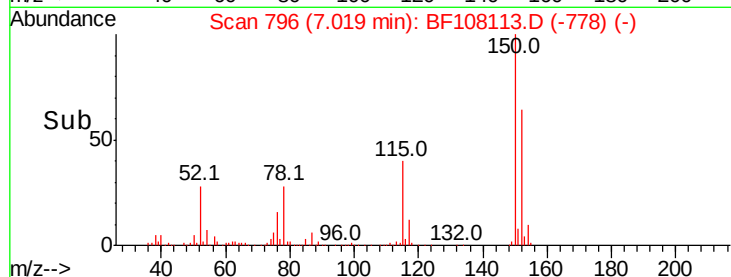
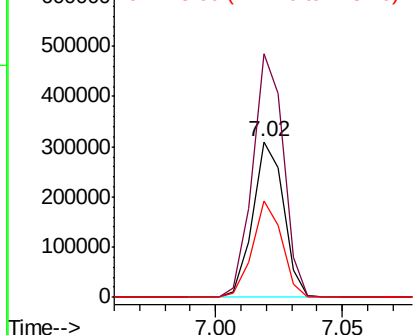


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

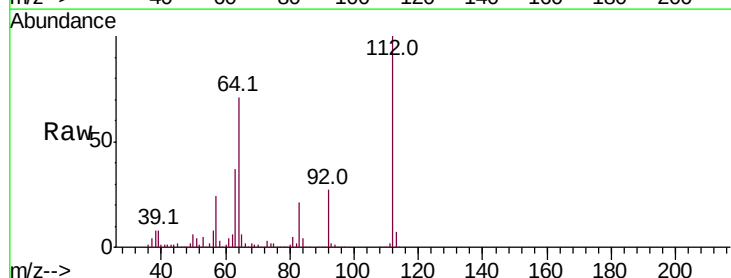
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.498 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	47.9	71.9
63	36.9	23.7	35.5#

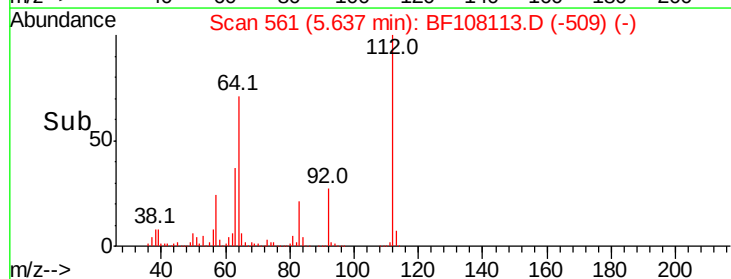
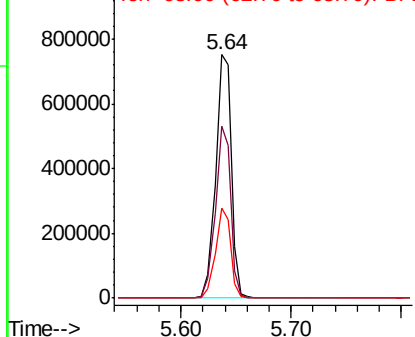


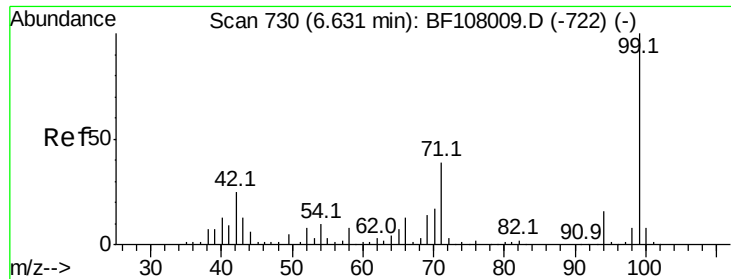
Abundance

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: 52.736 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

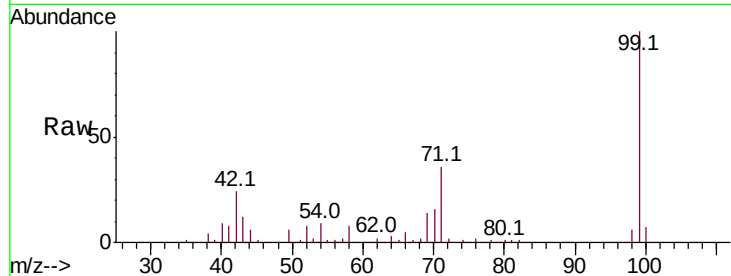
Instrument :

BNA_F

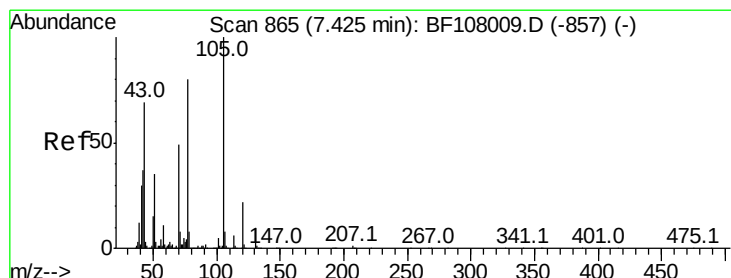
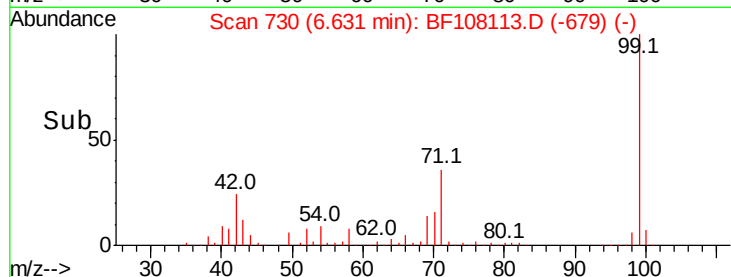
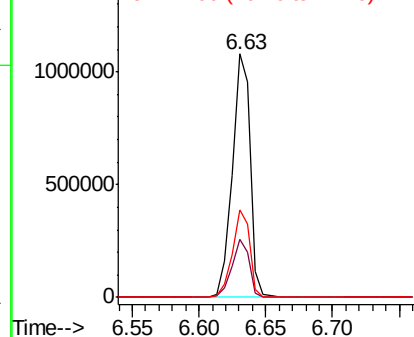
ClientSampled :

Tot Ion: 99 Resp: 1023715

Ion	Ratio	Lower	Upper
99	100		
42	24.0	14.5	21.7#
71	36.2	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: 6.599 ng

RT: 7.58 min Scan# 891

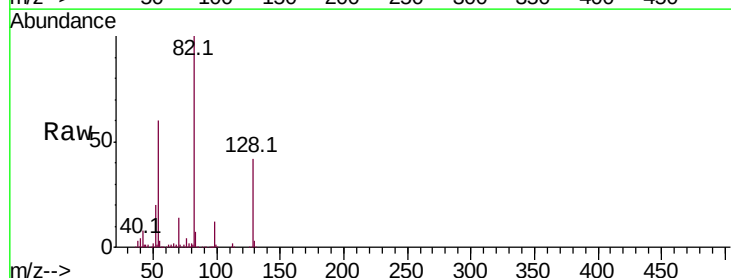
Delta R.T. 0.15 min

Lab File: BF108113.D

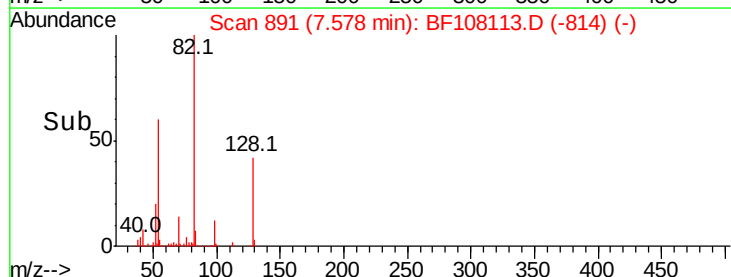
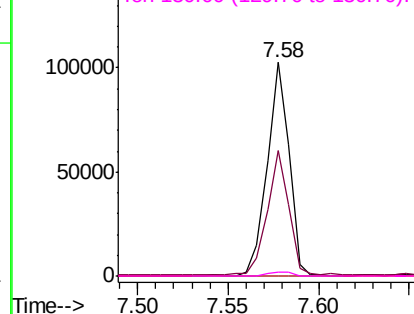
Acq: 13 Aug 2018 13:55

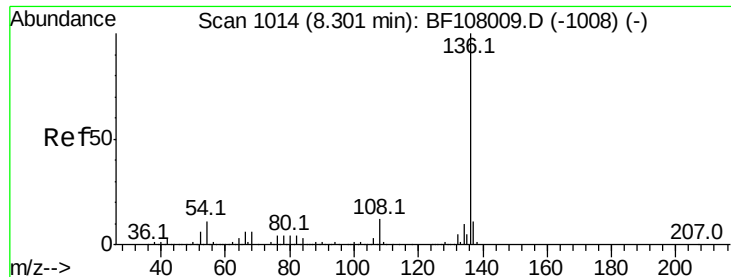
Tgt Ion: 70 Resp: 86629

Ion	Ratio	Lower	Upper
70	100		
42	58.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	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

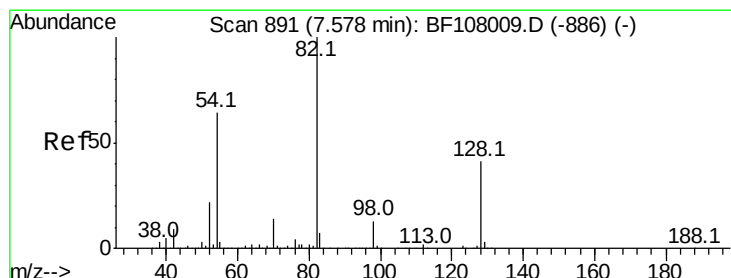
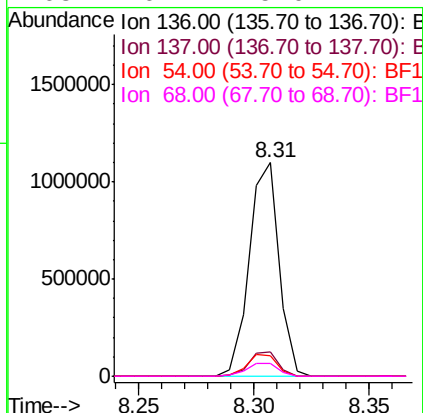
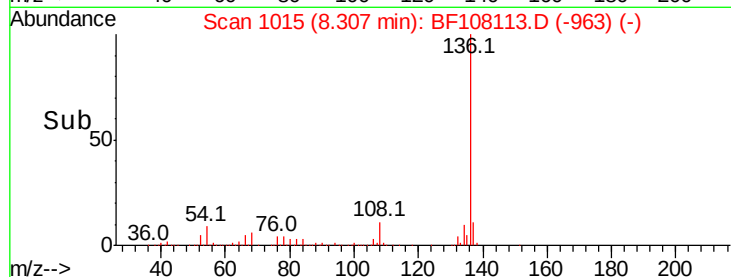
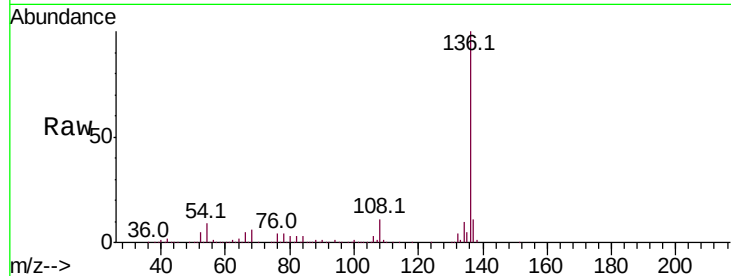




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

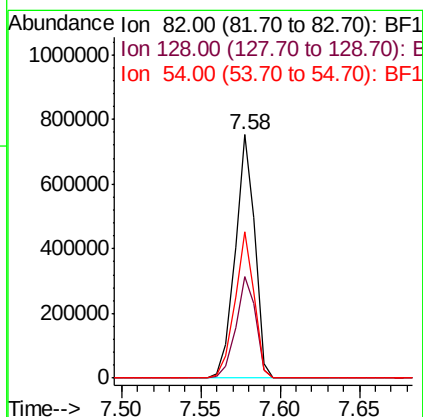
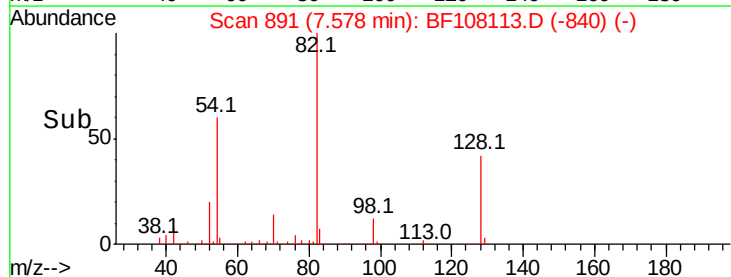
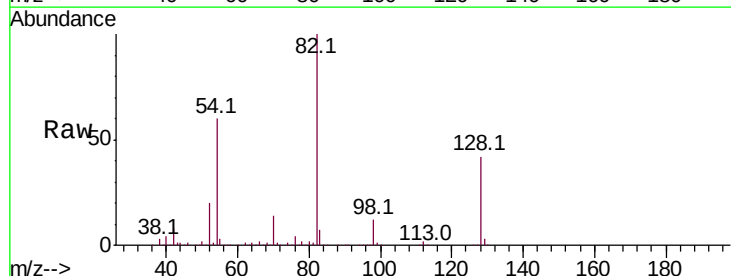
Instrument :
BNA_F
ClientSampleId :

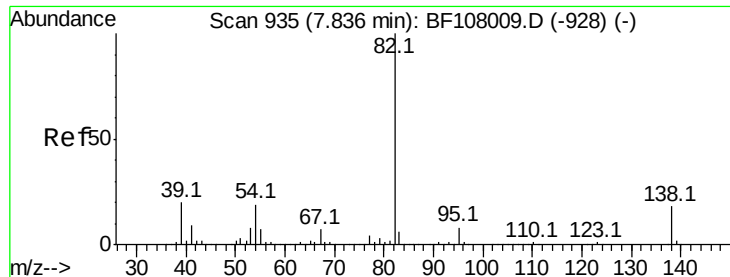
Tot Ion:136	Resp:	993575
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	9.5	6.6 9.8
68	6.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 36.224 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

Tgt Ion: 82	Resp:	644995
Ion Ratio	Lower	Upper
82	100	
128	41.9	36.1 54.1
54	60.1	41.4 62.2





#25

Isophorone

Concen: 18.922 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampleId :

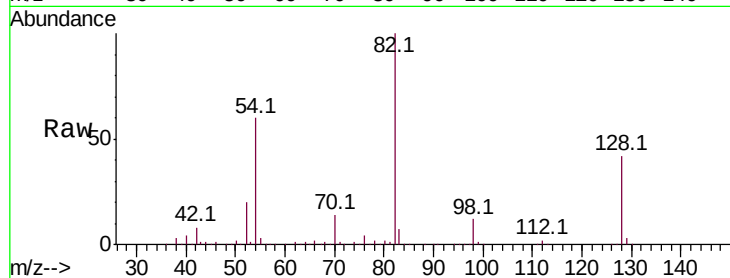
Tot Ion: 82 Resp: 642160

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

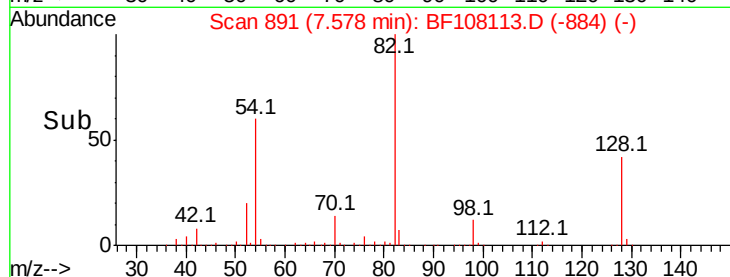


Abundance Ion 82.00 (81.70 to 82.70): BF1

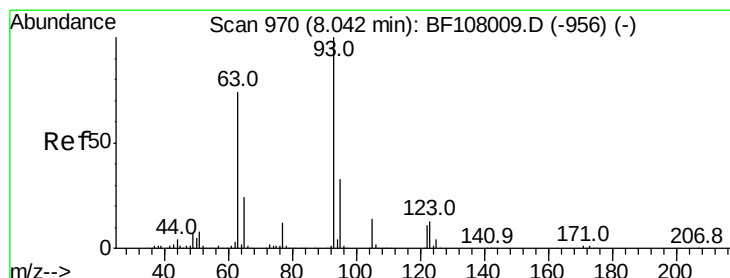
Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



Time-->



#32

Benzoic acid

Concen: 6.064 ng

RT: 7.98 min Scan# 959

Delta R.T. -0.06 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

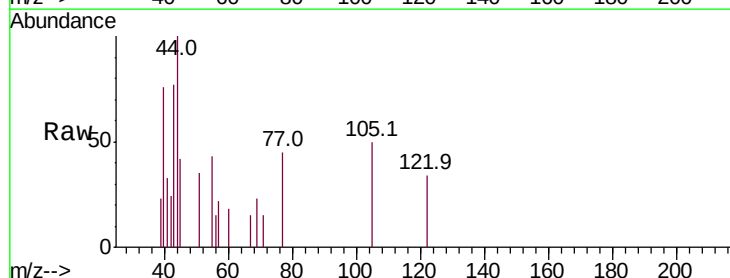
Tgt Ion: 122 Resp: 897

Ion Ratio Lower Upper

122 100

105 145.5 101.1 141.1#

77 132.8 70.7 110.7#

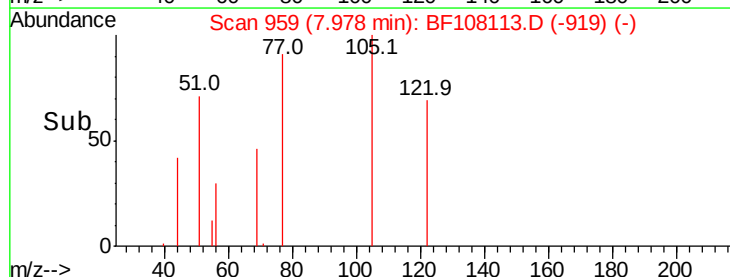


Abundance Ion 122.00 (121.70 to 122.70): E

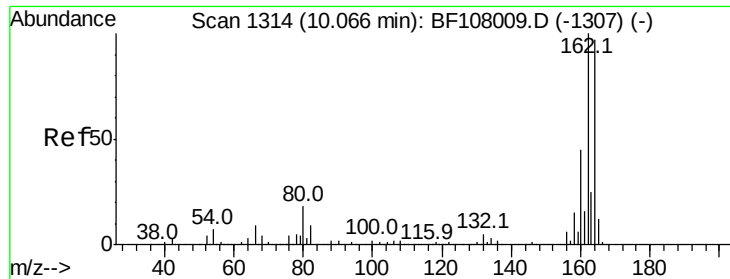
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->



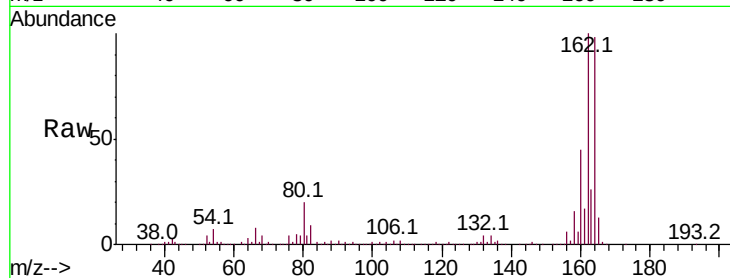
Time-->



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF108113.D
 Acq: 13 Aug 2018 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	46.2	38.3	57.5

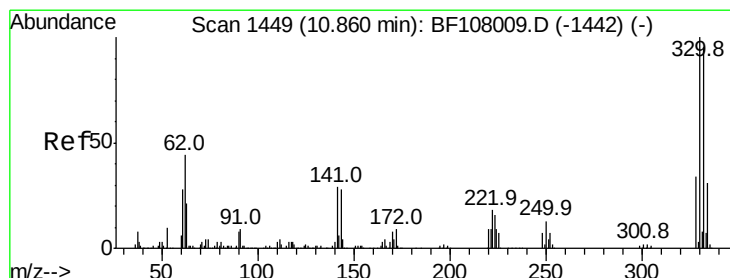
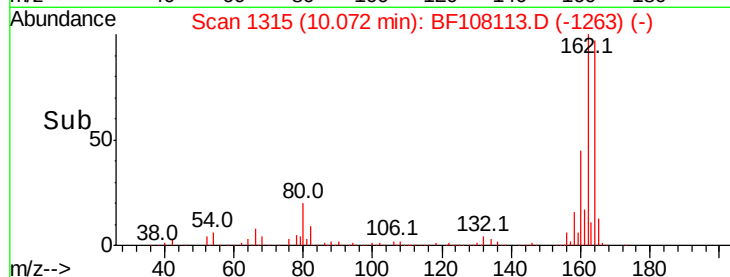
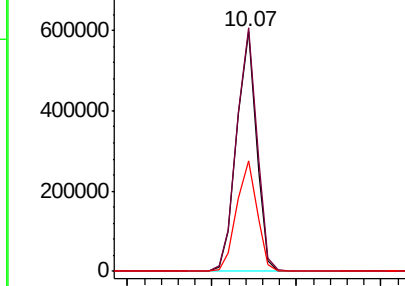


Abundance

Ion 164.00 (163.70 to 164.70): E

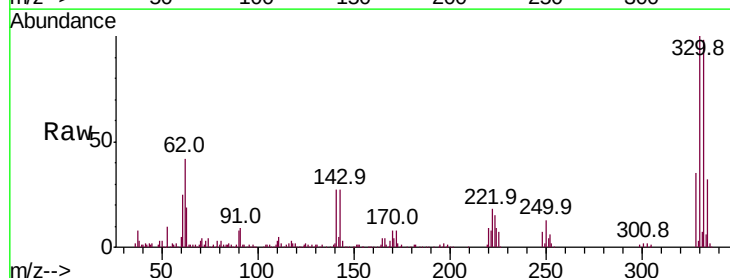
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 50.499 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108113.D
 Acq: 13 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.0	29.9	44.9

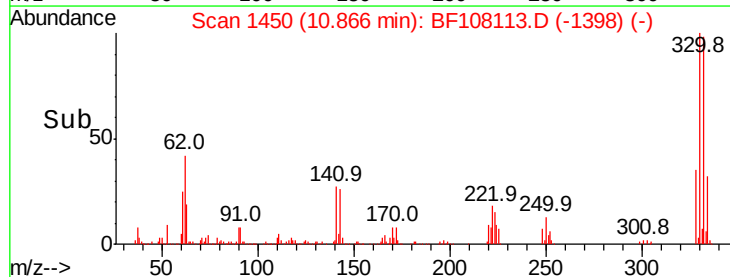
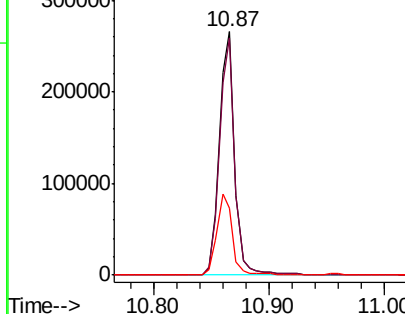


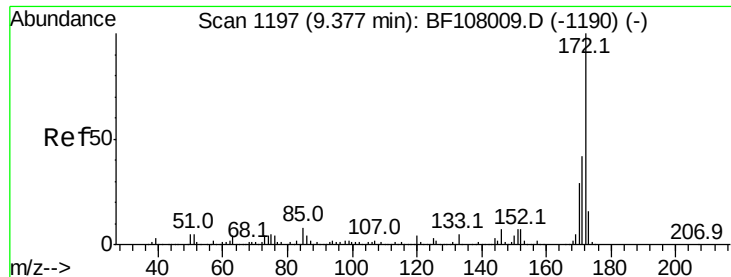
Abundance

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: 36.332 ng

RT: 9.38 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

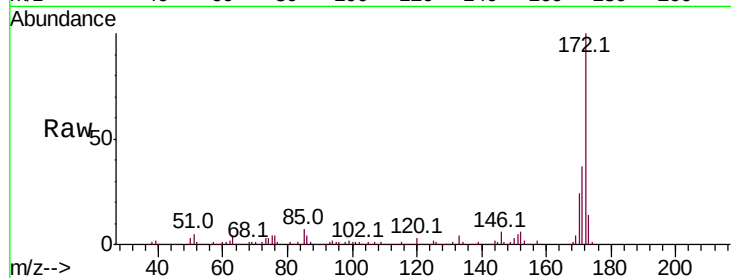
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1102697

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

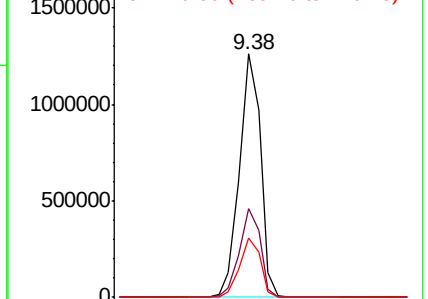


Abundance

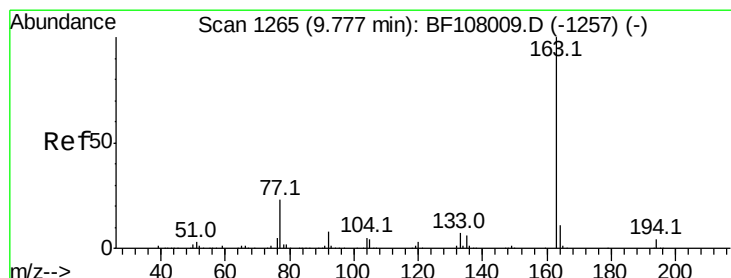
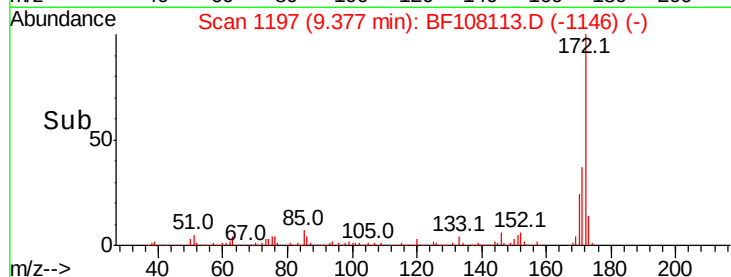
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time--> 9.30 9.35 9.40 9.45



#49

Dimethylphthalate

Concen: 2.695 ng

RT: 9.77 min Scan# 1264

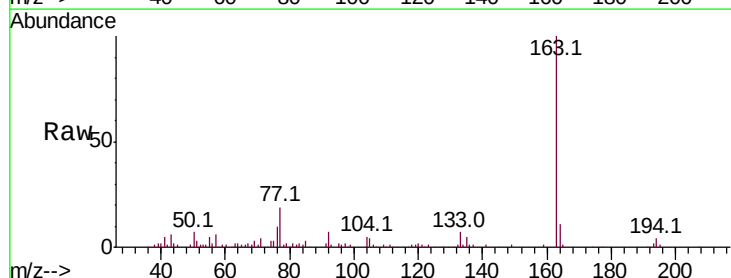
Delta R.T. -0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Tgt Ion:163 Resp: 91491

Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.6	8.2	12.2

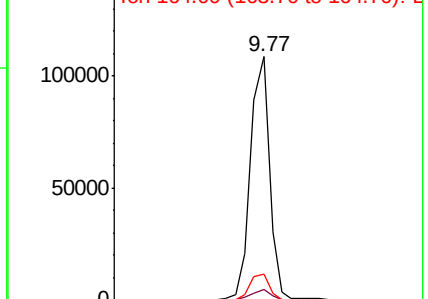


Abundance

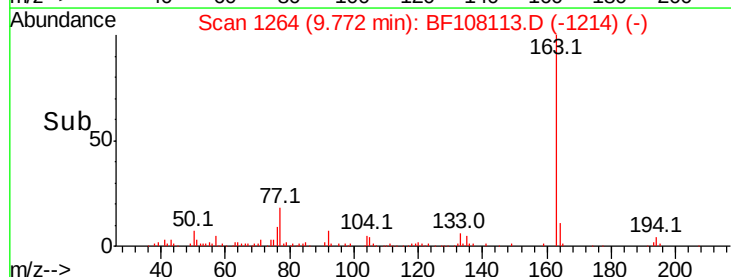
Ion 163.00 (162.70 to 163.70): E

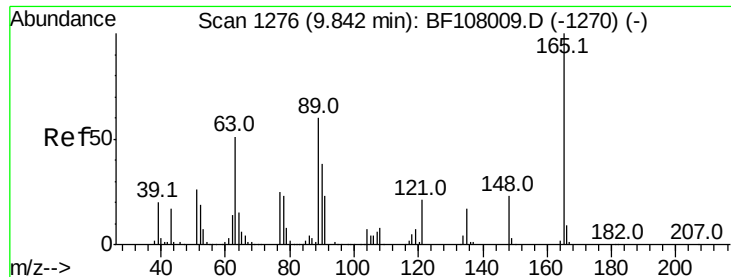
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 9.70 9.75 9.80 9.85





#50

2,6-Dinitrotoluene

Concen: 9.114 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.23 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampleId :

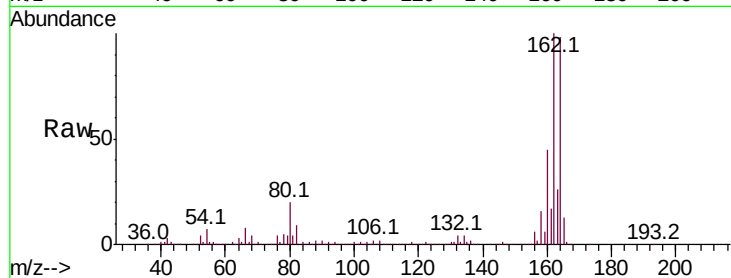
Tot Ion:165 Resp: 64722

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

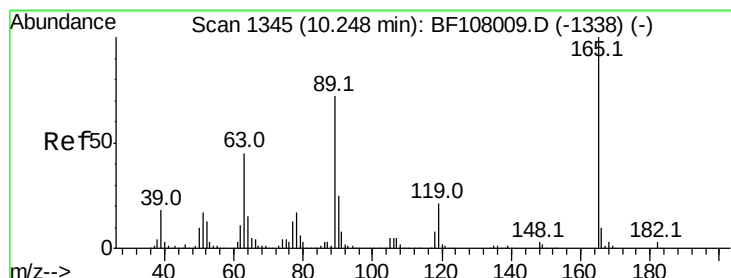
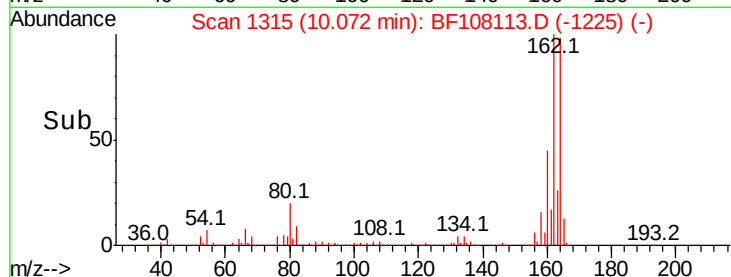
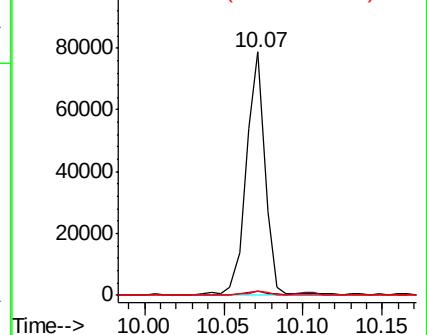
89 1.7 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 7.080 ng

RT: 10.07 min Scan# 1315

Delta R.T. -0.18 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Tgt Ion:165 Resp: 64722

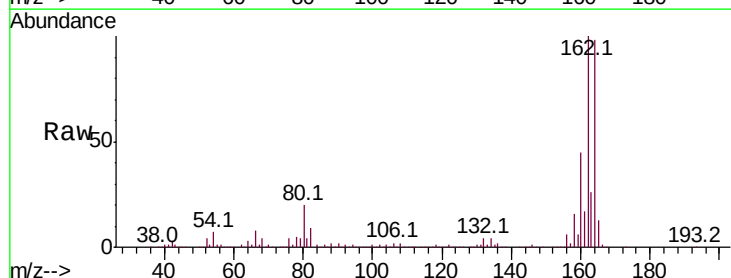
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

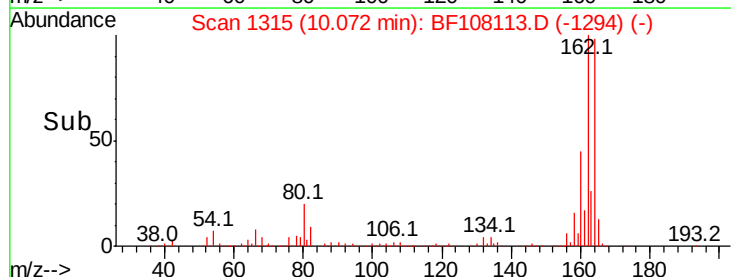
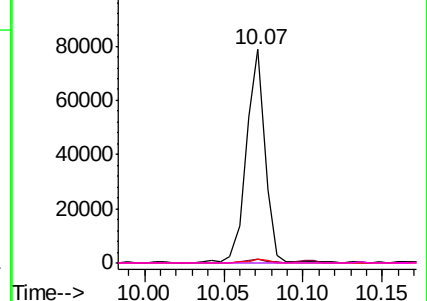


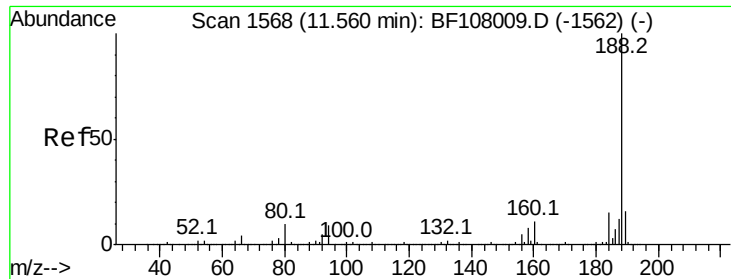
Abundance Ion 165.00 (164.70 to 165.70): E

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

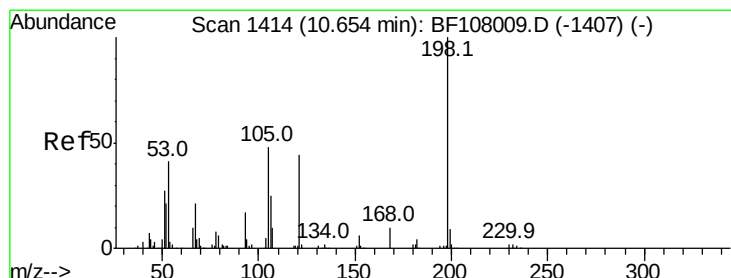
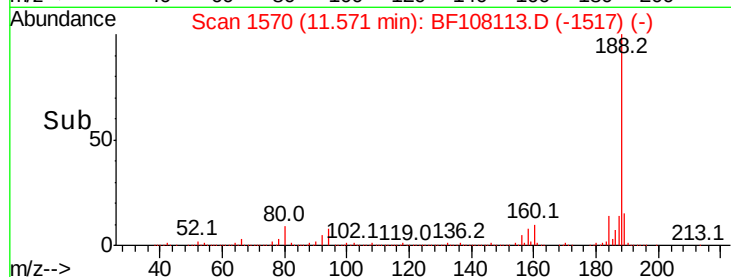
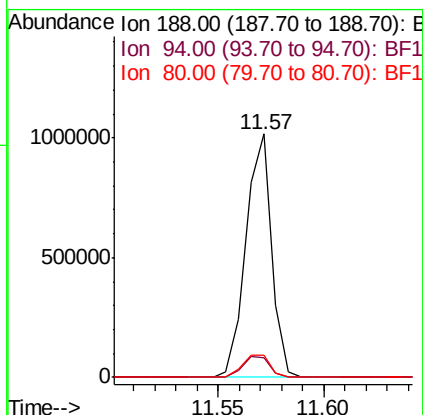
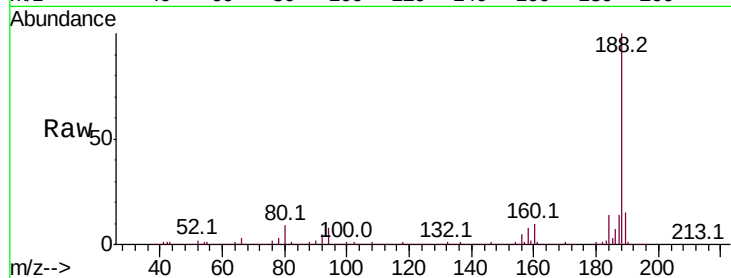




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108113.D
 Acq: 13 Aug 2018 13:55

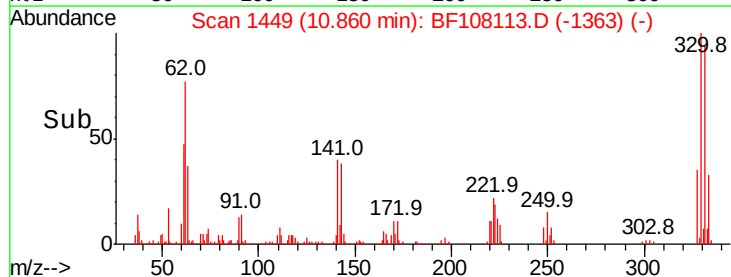
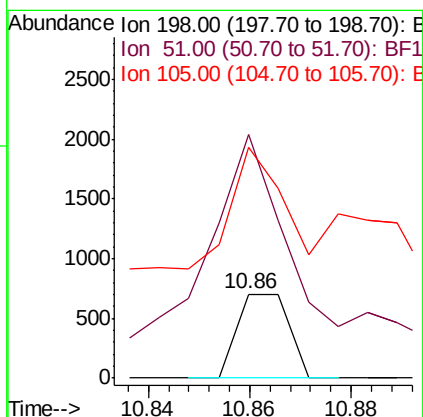
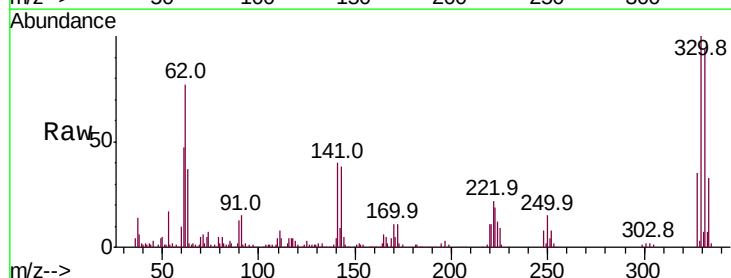
Instrument :
 BNA_F
 ClientSampled :

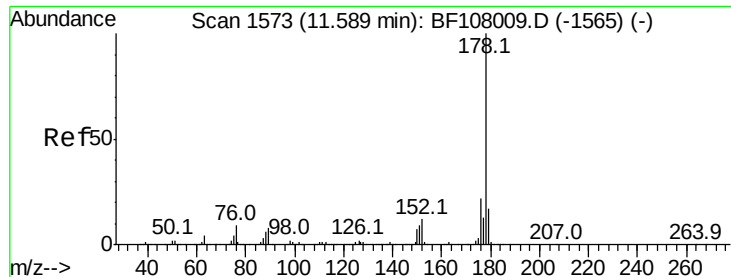
Tot Ion:188 Resp: 857961
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 8.9 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.495 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108113.D
 Acq: 13 Aug 2018 13:55

Tgt Ion:198 Resp: 494
 Ion Ratio Lower Upper
 198 100
 51 290.0 37.7 77.7#
 105 274.4 36.3 76.3#





#70

Phenanthrene

Concen: 3.151 ng

RT: 11.59 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

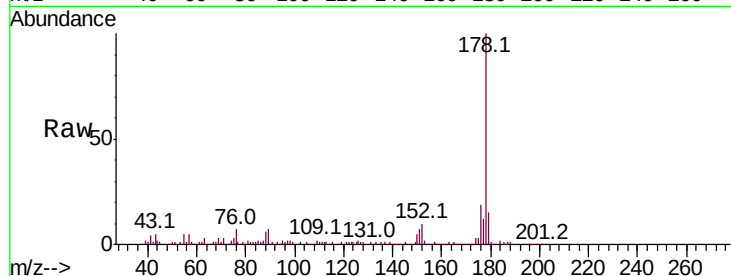
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 127523

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.6	13.0	19.6

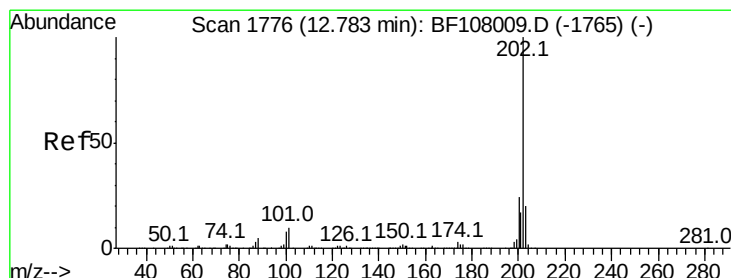
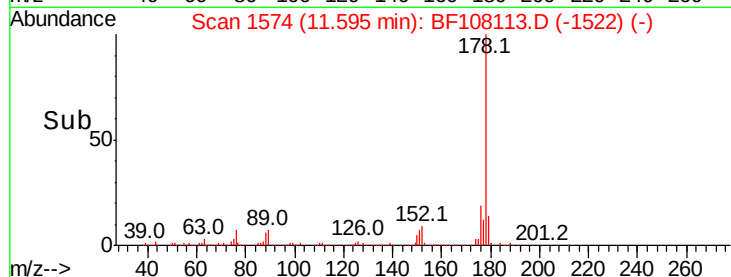
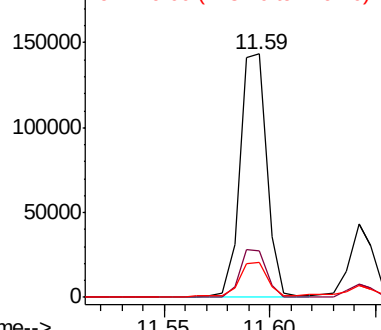


Abundance

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: 5.682 ng

RT: 12.79 min Scan# 1777

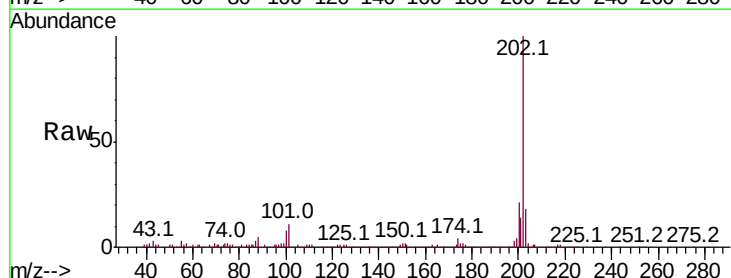
Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Tgt Ion:202 Resp: 250923

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.1	0.0	38.1

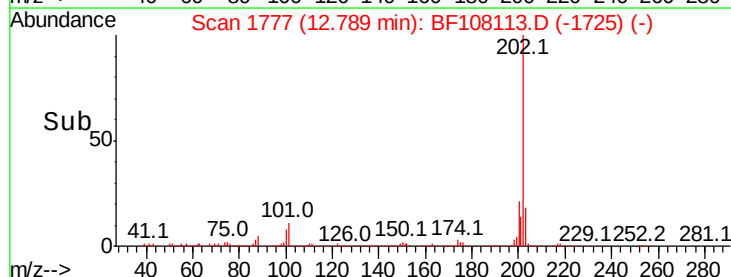
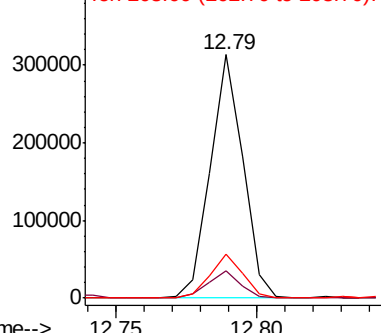


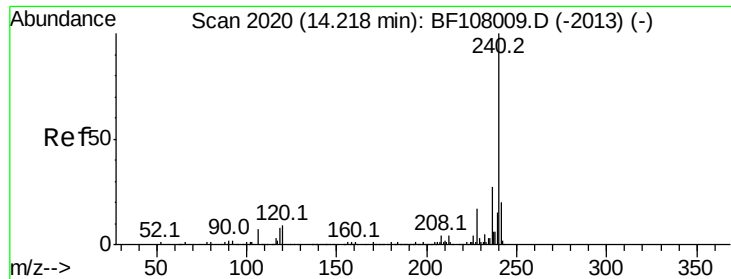
Abundance

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: 14.23 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampleId :

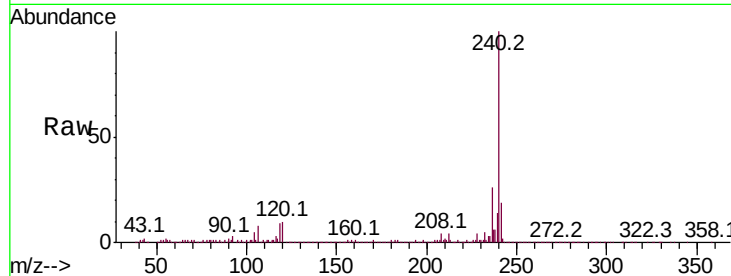
Tot Ion:240 Resp: 667215

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

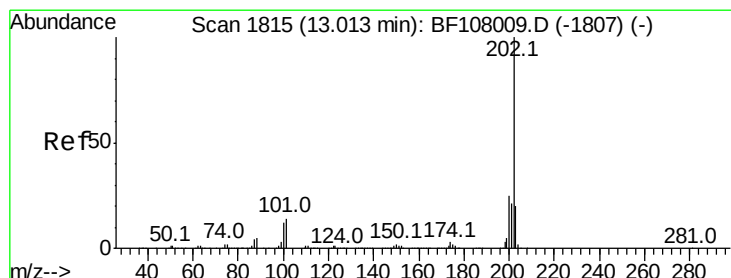
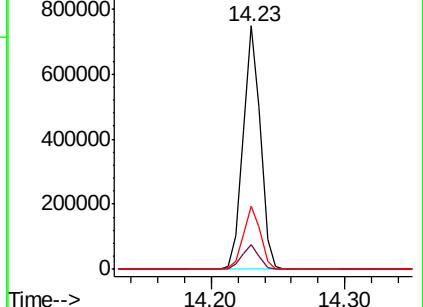
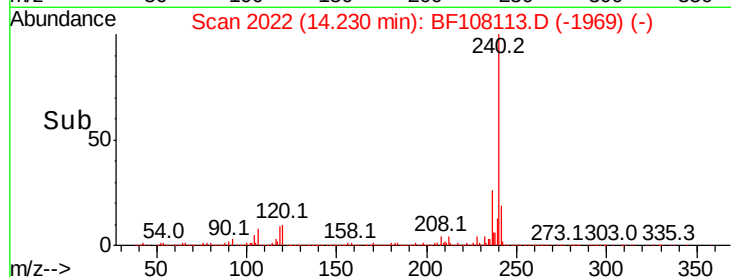
236 26.0 20.7 31.1



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: 5.600 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

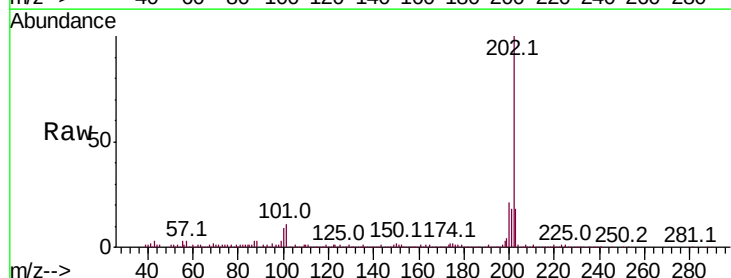
Tgt Ion:202 Resp: 236536

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

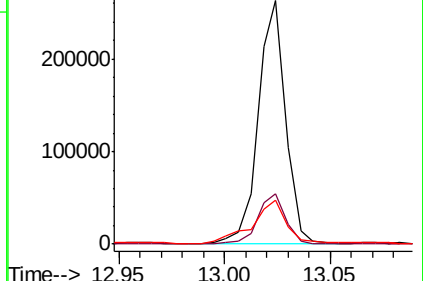
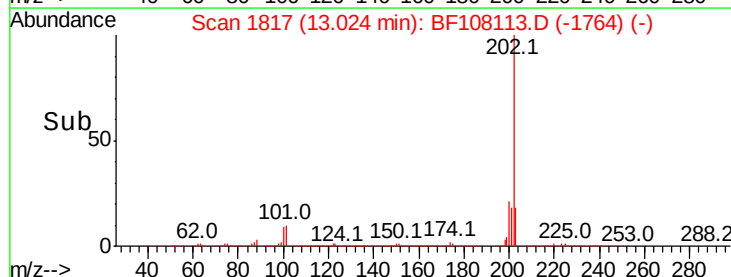
203 17.9 14.3 21.5

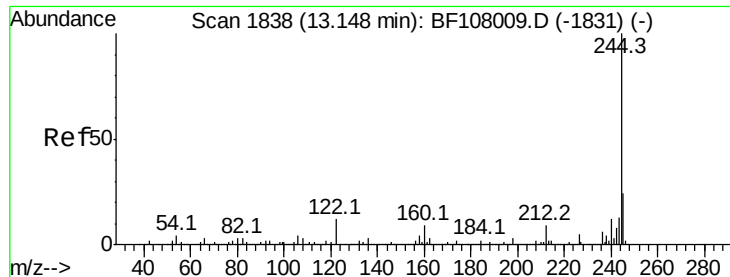


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 37.042 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampled :

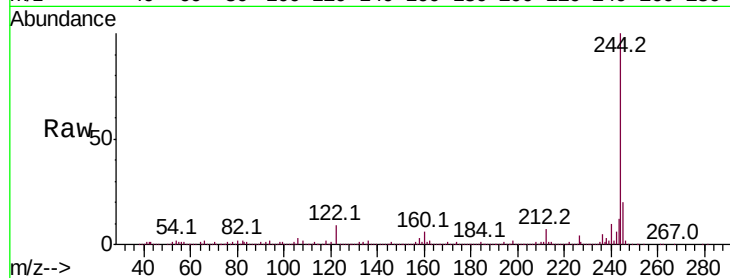
Tot Ion:244 Resp: 972041

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

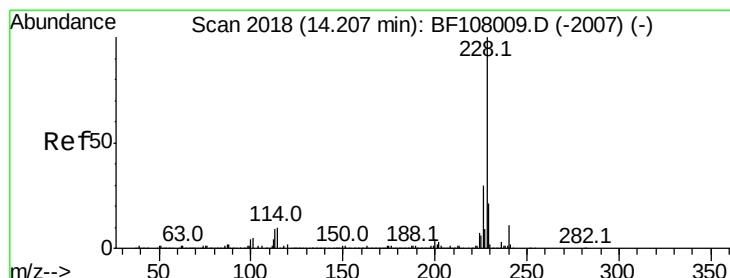
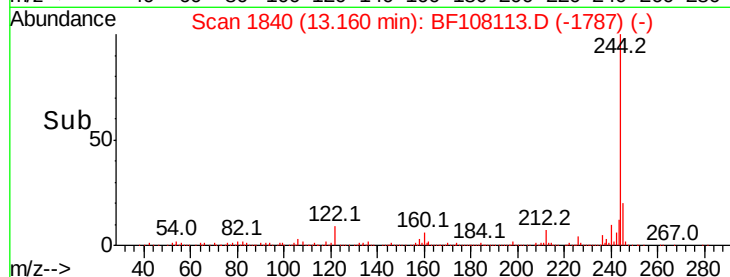
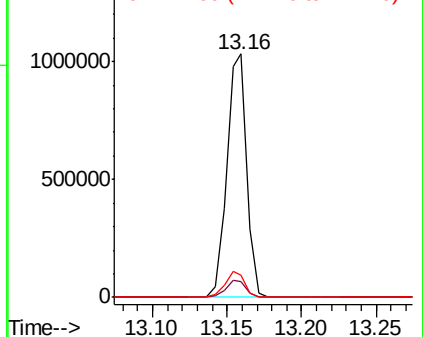
122 9.0 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 3.387 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

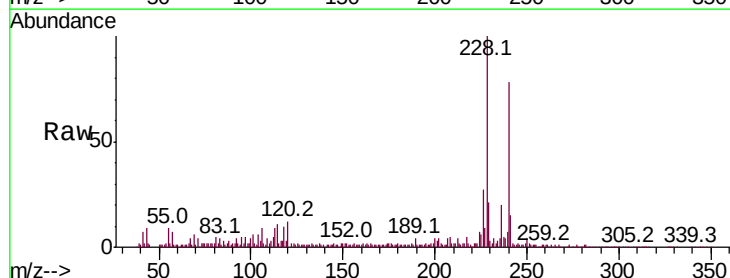
Tgt Ion:228 Resp: 129710

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

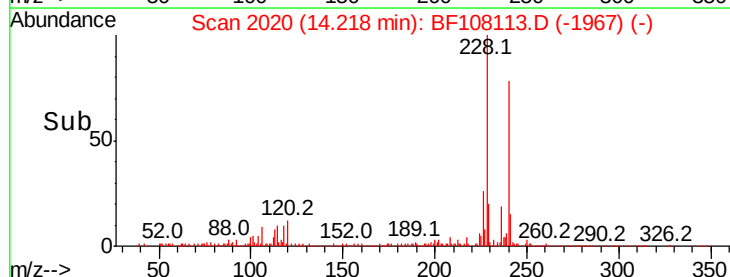
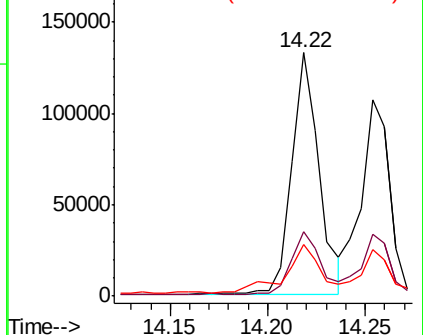
229 21.0 15.8 23.6

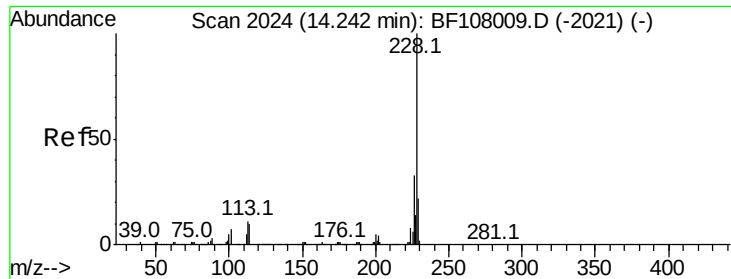


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.099 ng

RT: 14.25 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampleId :

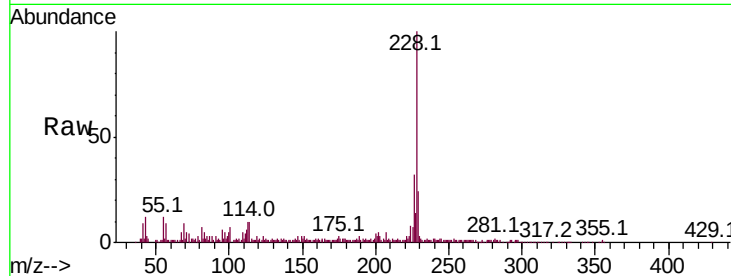
Tot Ion:228 Resp: 108793

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

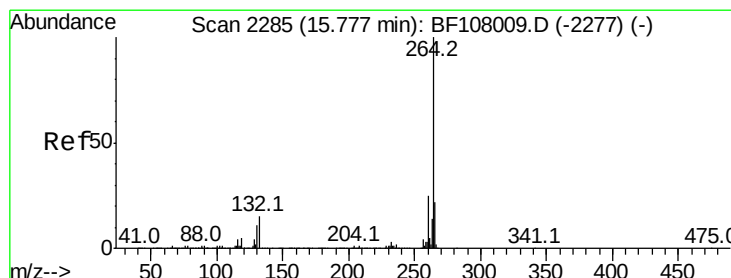
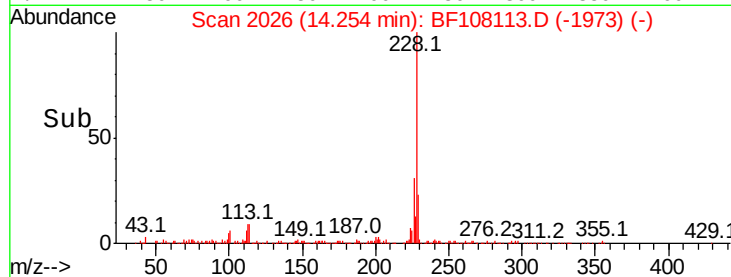
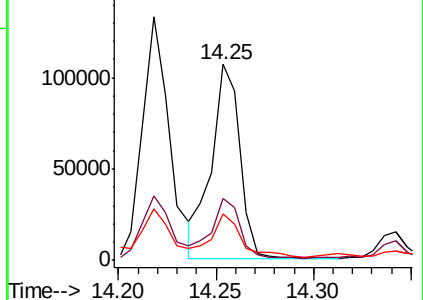
229 23.6 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.82 min Scan# 2292

Delta R.T. 0.04 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

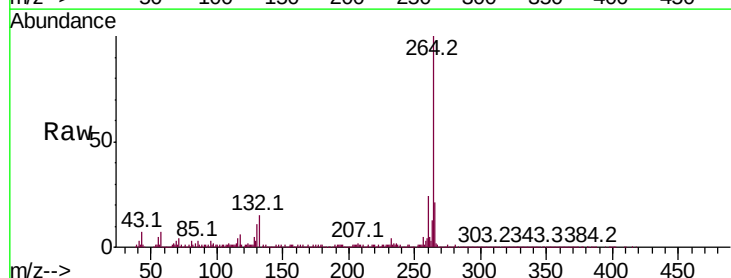
Tgt Ion:264 Resp: 693969

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

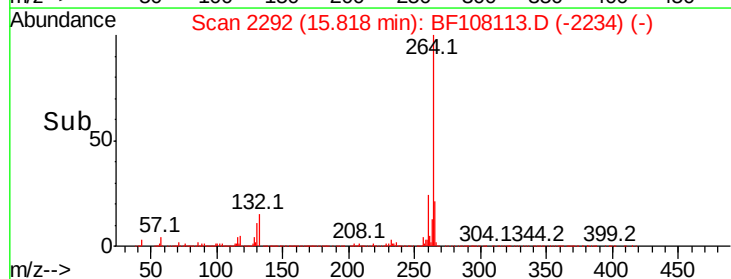
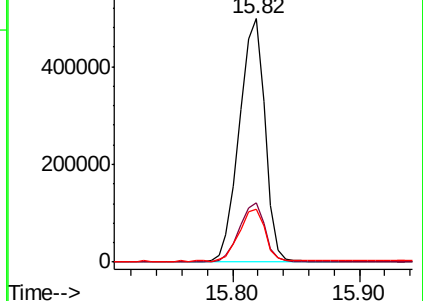
265 21.5 17.5 26.3

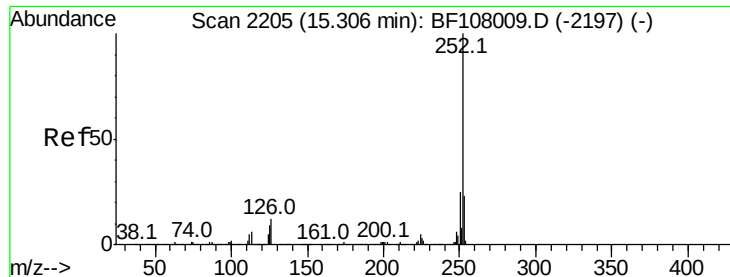


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

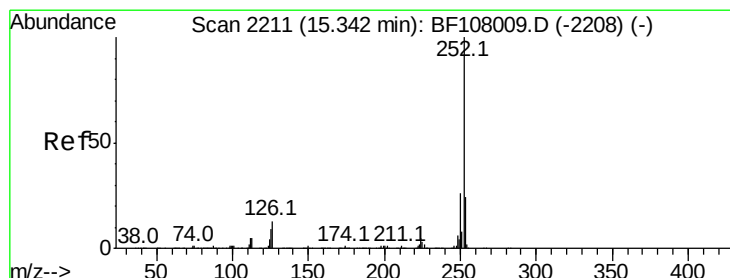
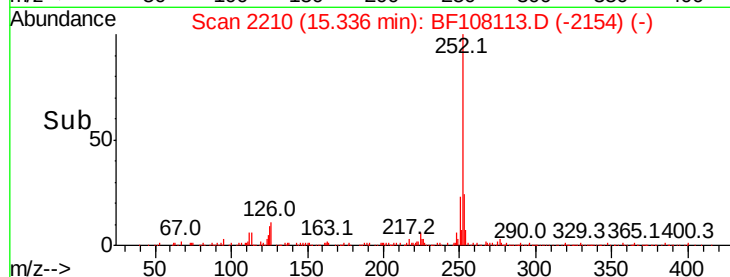
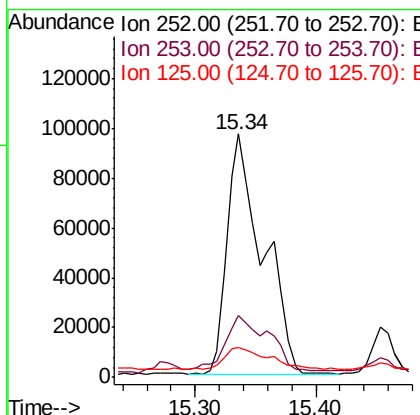
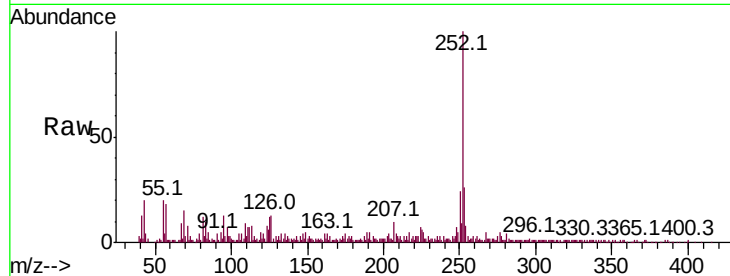




#87
Benzo(b)fluoranthene
Concen: 4.798 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

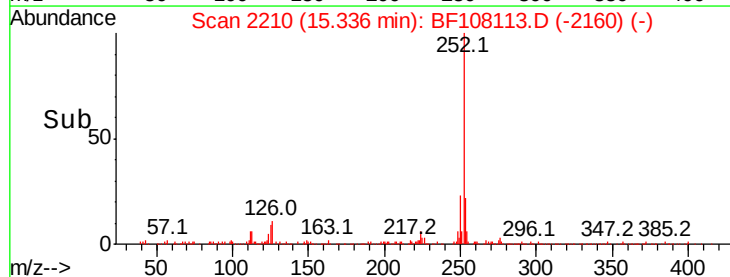
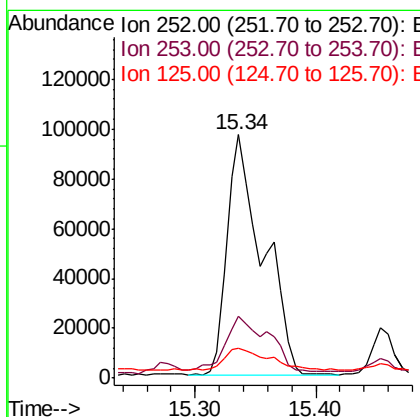
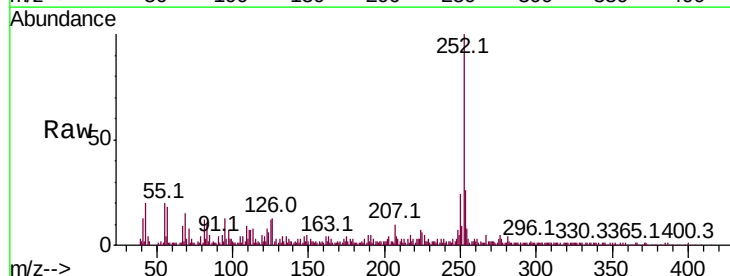
Instrument :
BNA_F
ClientSampleId :

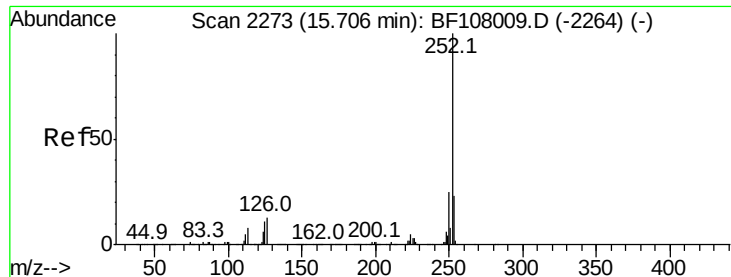
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	12.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.219 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108113.D
Acq: 13 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	12.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.075 ng

RT: 15.74 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF108113.D

Acq: 13 Aug 2018 13:55

Instrument :

BNA_F

ClientSampleId :

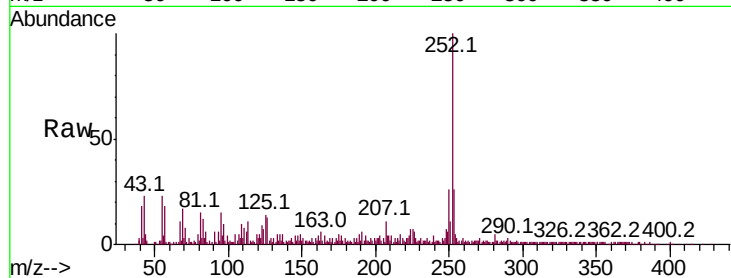
Tot Ion:252 Resp: 114179

Ion Ratio Lower Upper

252 100

253 25.6 17.1 25.7

125 14.4 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

