

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108526.D
 Acq On : 27 Aug 2018 23:13
 Operator : JU/SJ
 Sample : J4636-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 01:38:11 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	102013	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	369802	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	158182	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	273353	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	253192	20.00	ng	-0.01
86) Perylene-d12	15.75	264	163833	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	480411	85.26	ng	0.00
7) Phenol-d6	6.62	99	639238	85.37	ng	-0.01
23) Nitrobenzene-d5	7.56	82	417370	62.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	134574	85.29	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	685793	69.60	ng	-0.01
78) Terphenyl-d14	13.12	244	564724	56.71	ng	-0.01

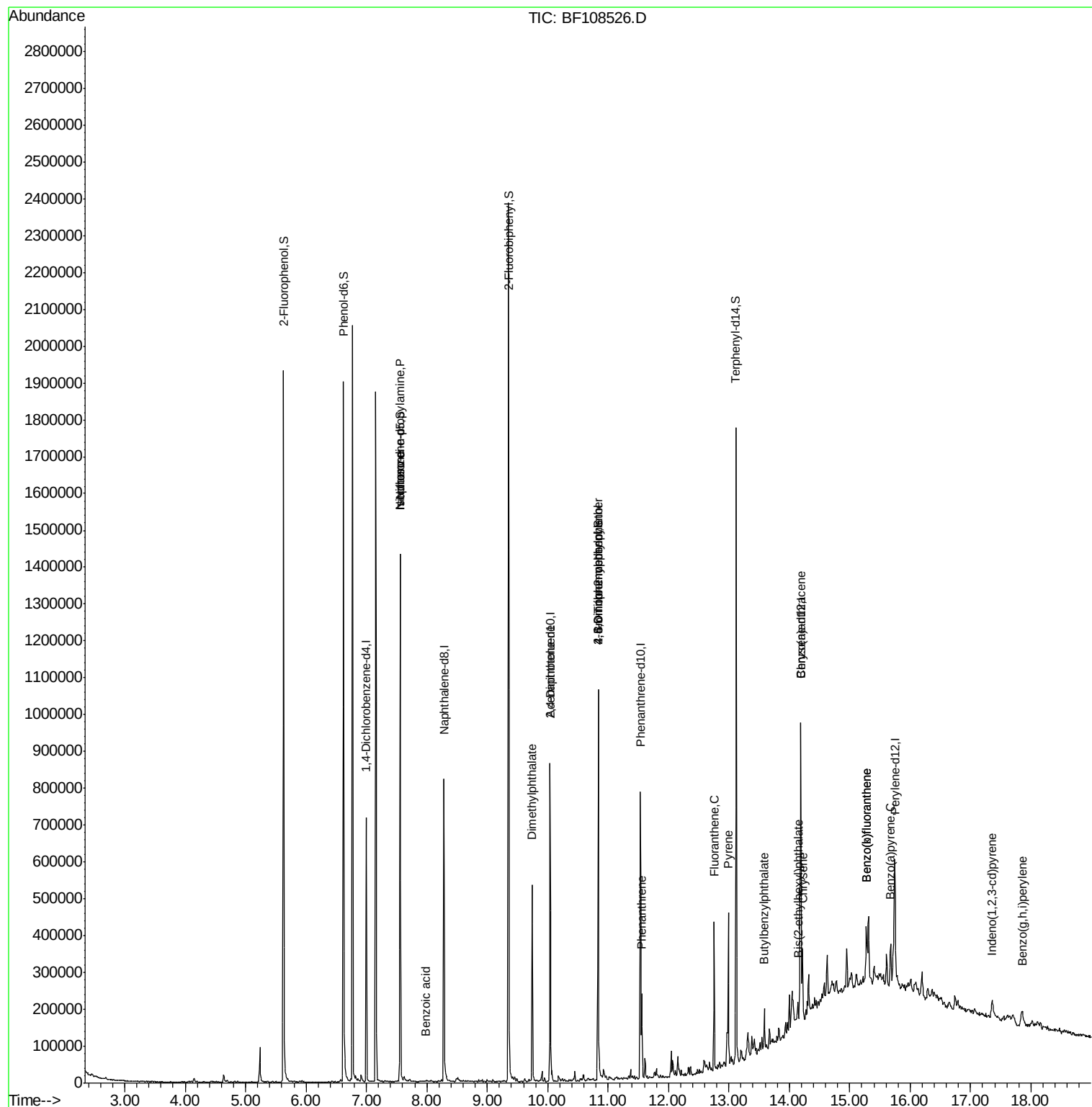
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.56	70	56167	11.093	ng	# 82
25) Isophorone	7.56	82	417364	33.041	ng	# 64
32) Benzoic acid	7.99	122	224	6.035	ng	# 69
49) Dimethylphthalate	9.74	163	211272	19.174	ng	99
56) 2,4-Dinitrotoluene	10.04	165	20196	6.806	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	159	5.496	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	8503	2.862	ng	# 1
70) Phenanthrene	11.56	178	70905	5.499	ng	99
74) Fluoranthene	12.75	202	167837	11.928	ng	95
77) Pyrene	12.99	202	155001	9.670	ng	100
79) Butylbenzylphthalate	13.59	149	18433	2.896	ng	93
80) Benzo(a)anthracene	14.18	228	91478	6.296	ng	98
82) Chrysene	14.22	228	81587	6.124	ng	99
83) Bis(2-ethylhexyl)phthalate	14.14	149	17650	2.048	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.36	276	32492	2.815	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	115030	11.750	ng	# 88
88) Benzo(k)fluoranthene	15.28	252	115030	12.782	ng	# 90
89) Benzo(a)pyrene	15.68	252	55842	6.370	ng	94
91) Benzo(a,h,i)perylene	17.85	276	35580	4.982	ng	# 89

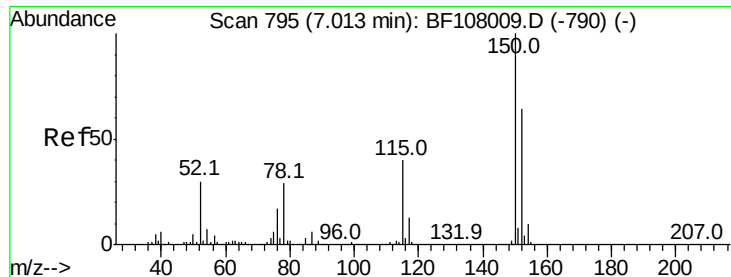
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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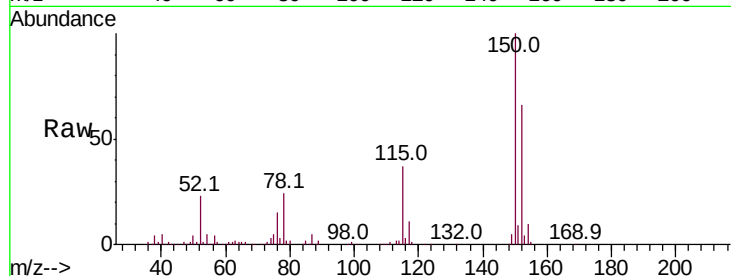


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	55.8	50.1	75.1

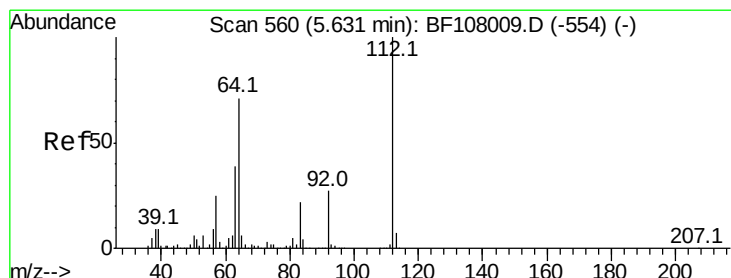
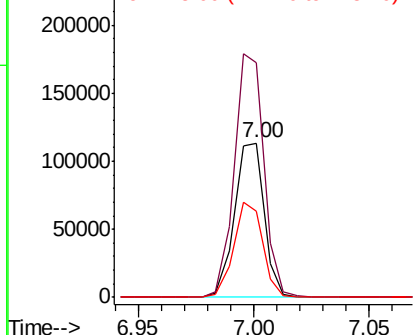
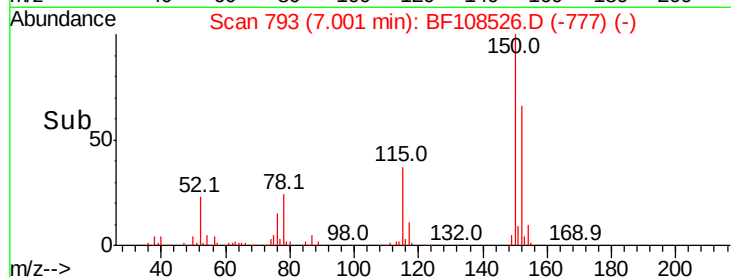


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

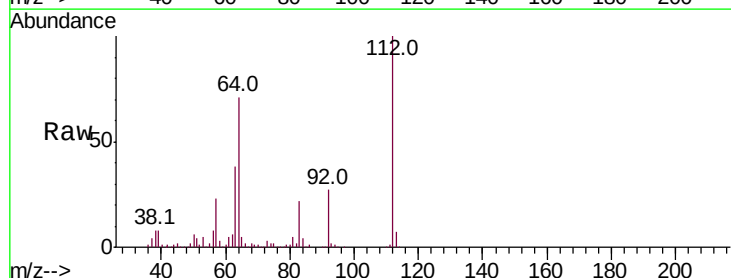
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.260 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	47.9	71.9
63	37.8	23.7	35.5

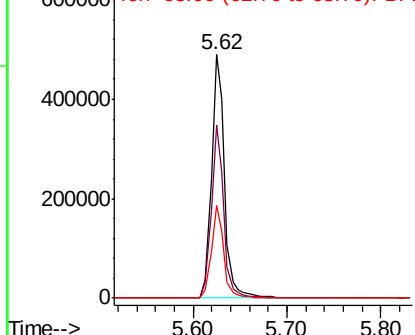
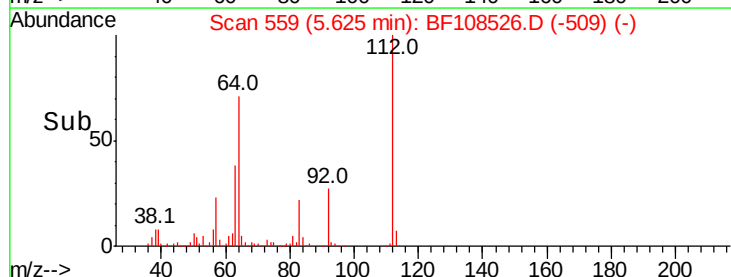


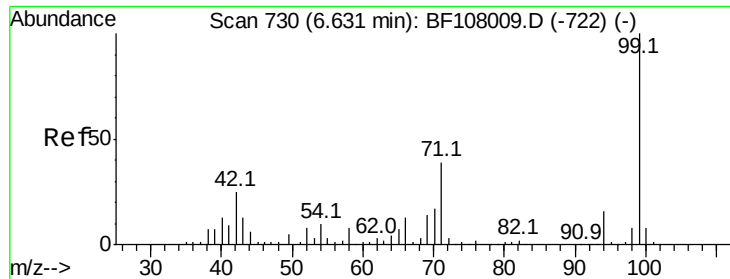
Abundance

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: 85.372 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampleId :

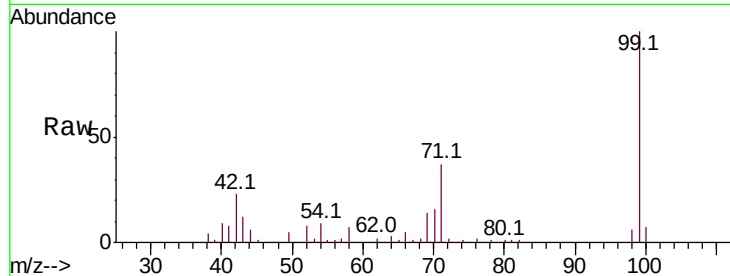
Tot Ion: 99 Resp: 639238

Ion Ratio Lower Upper

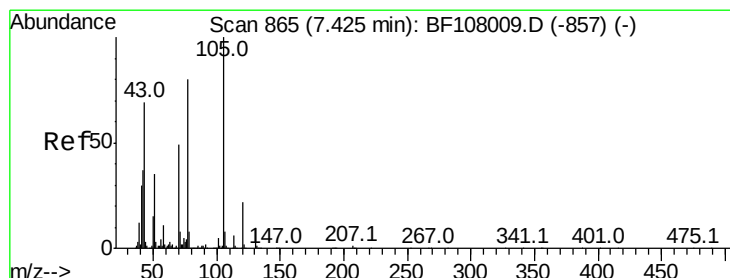
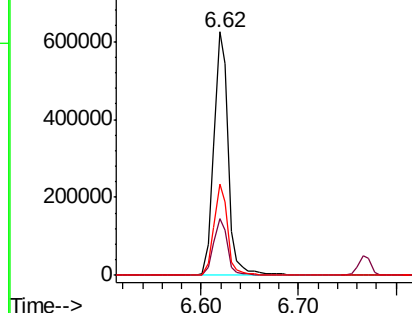
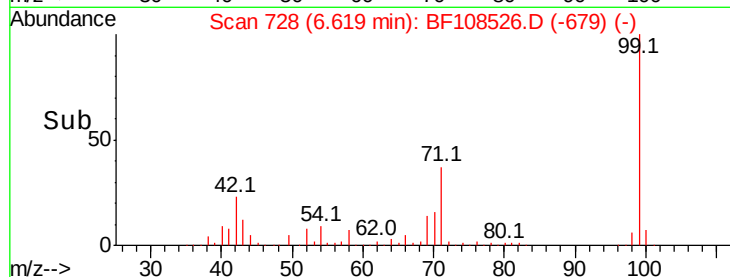
99 100

42 23.1 14.5 21.7#

71 37.4 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: 11.093 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Tgt Ion: 70 Resp: 56167

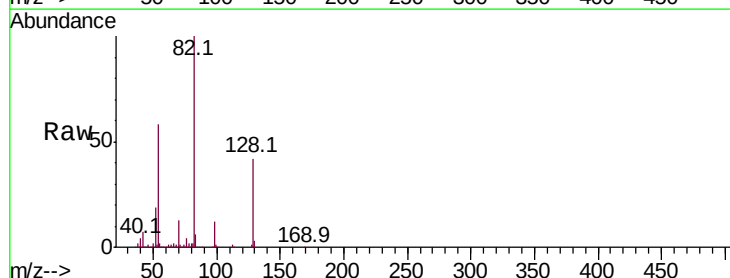
Ion Ratio Lower Upper

70 100

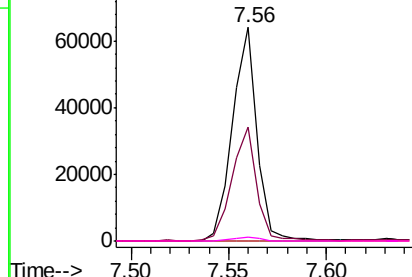
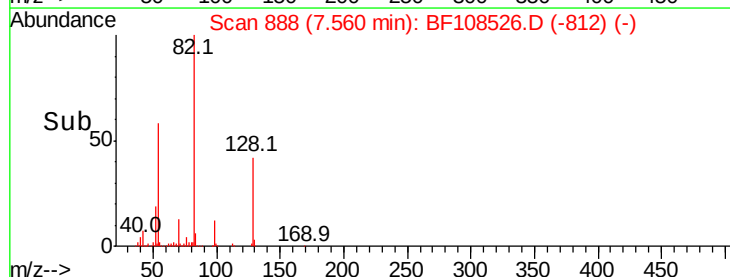
42 53.2 47.5 71.3

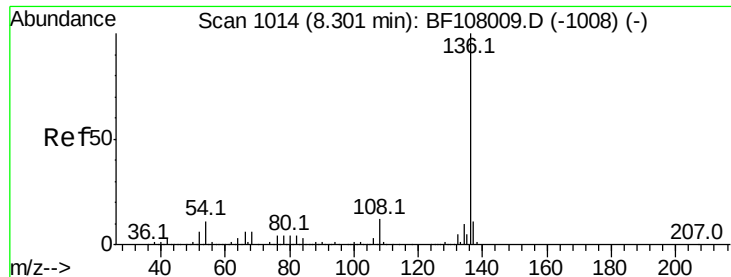
101 0.0 7.4 11.2#

130 1.9 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

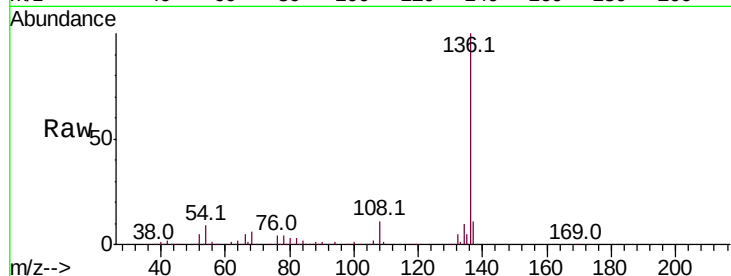




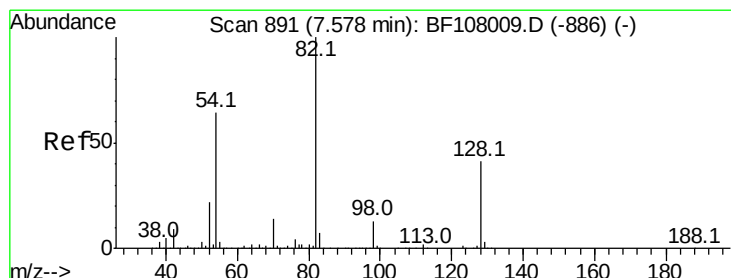
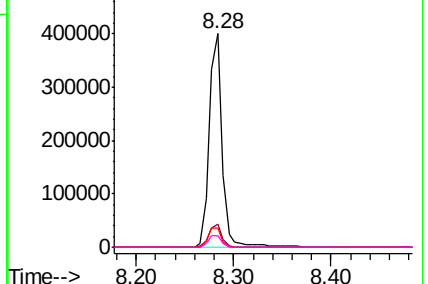
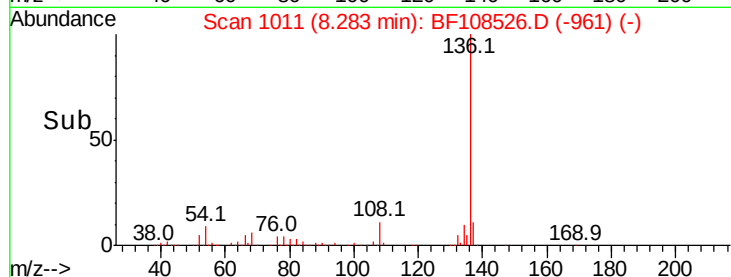
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	369802
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	9.2	6.6 9.8
68	5.5	5.0 7.4

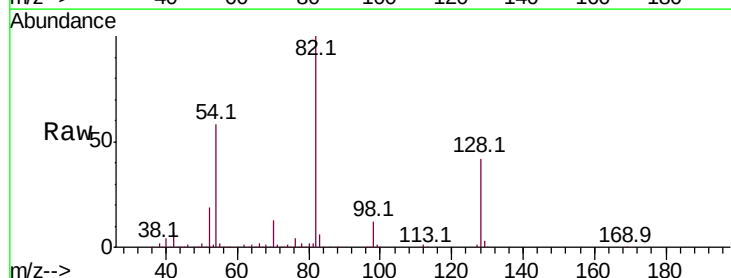


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

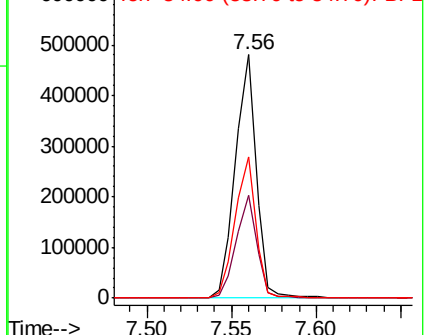
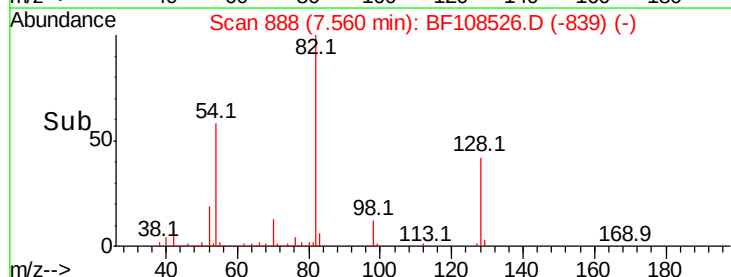


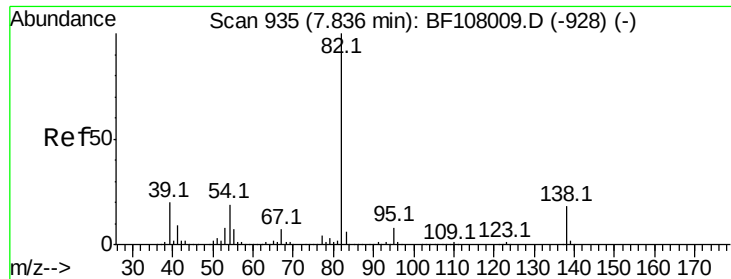
#23
Nitrobenzene-d5
Concen: 62.979 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion: 82	Resp:	417370
Ion Ratio	Lower	Upper
82	100	
128	42.4	36.1 54.1
54	57.7	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

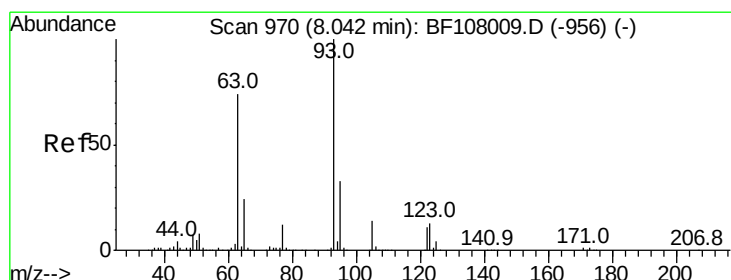
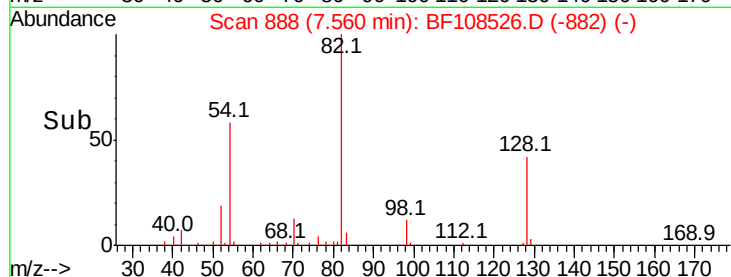
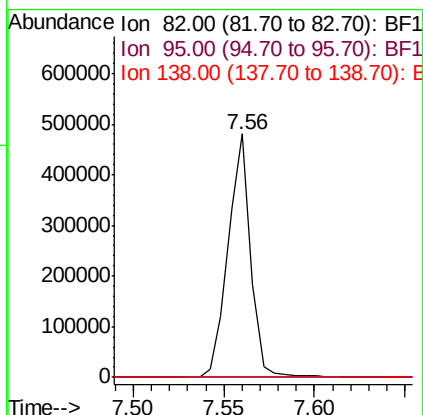
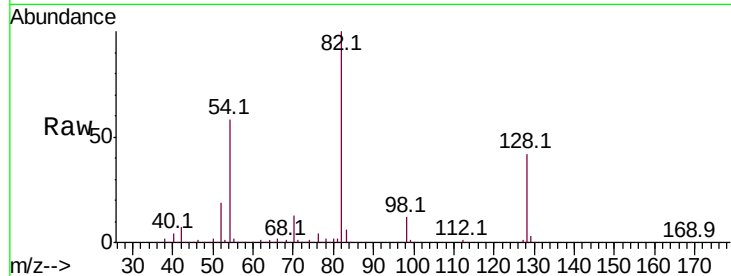




#25
Isophorone
Concen: 33.041 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

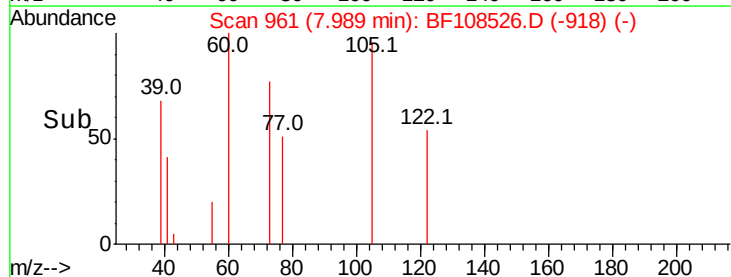
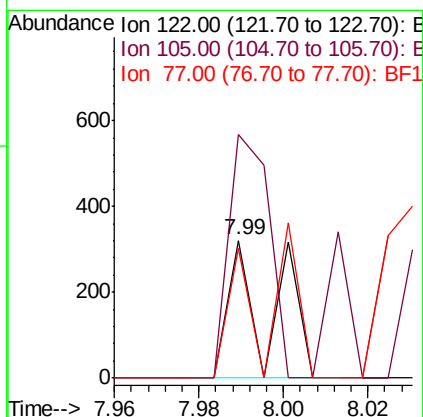
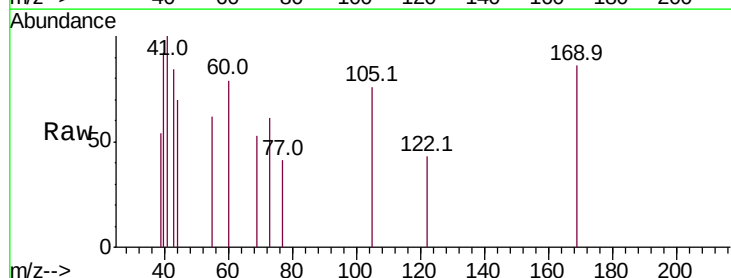
Instrument :
BNA_F
ClientSampleId :

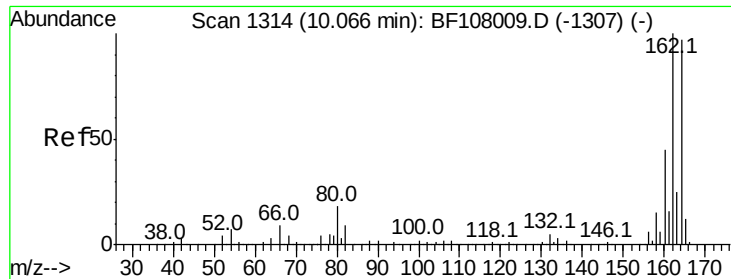
Tot Ion: 82 Resp: 417364
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 6.035 ng
RT: 7.99 min Scan# 961
Delta R.T. -0.05 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion:122 Resp: 224
Ion Ratio Lower Upper
122 100
105 177.2 101.1 141.1#
77 94.7 70.7 110.7

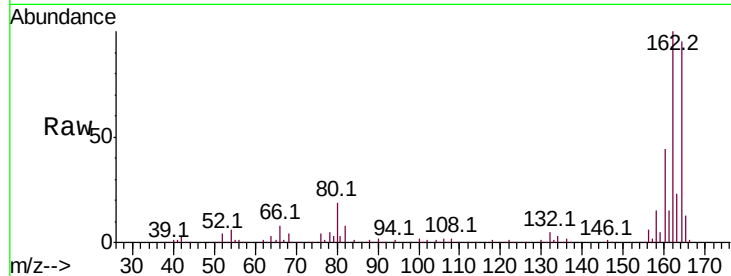




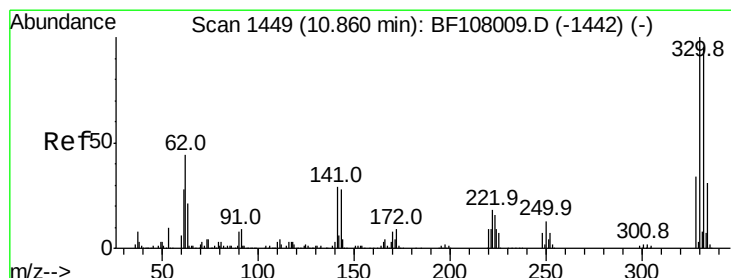
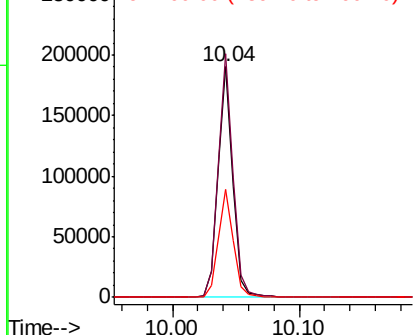
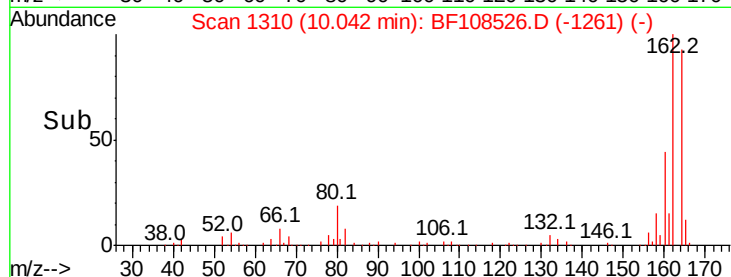
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 158182
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 46.6 38.3 57.5

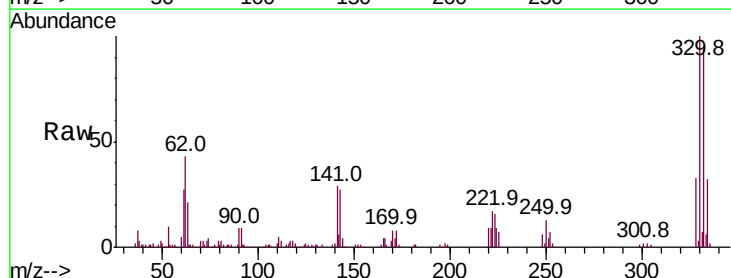


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

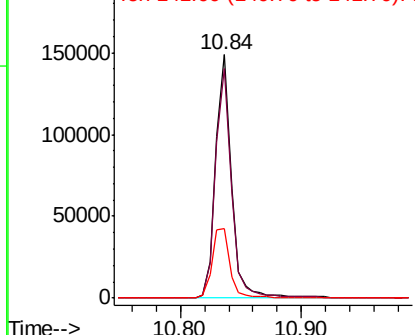
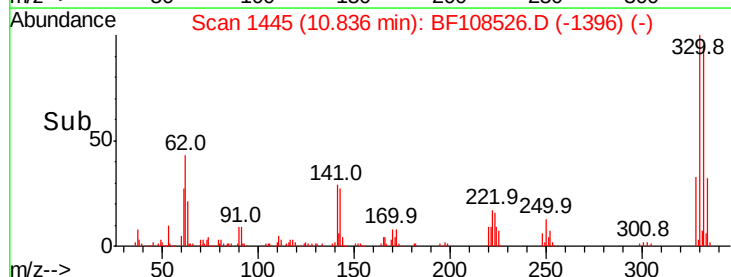


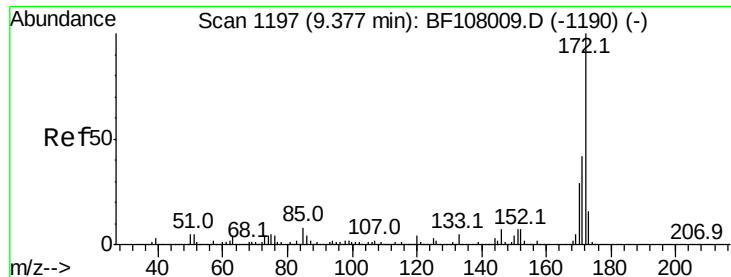
#41
 2,4,6-Tribromophenol
 Concen: 85.291 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Tgt Ion:330 Resp: 134574
 Ion Ratio Lower Upper
 330 100
 332 95.5 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

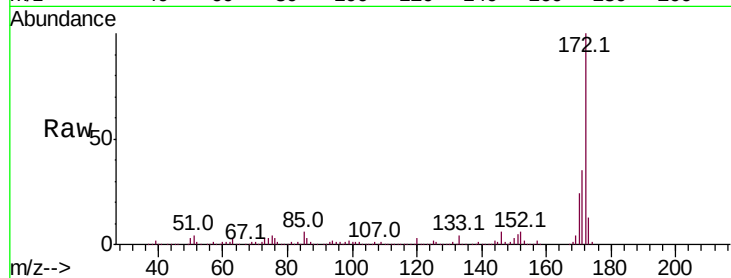




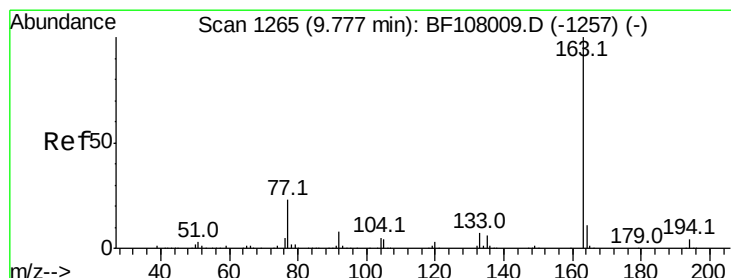
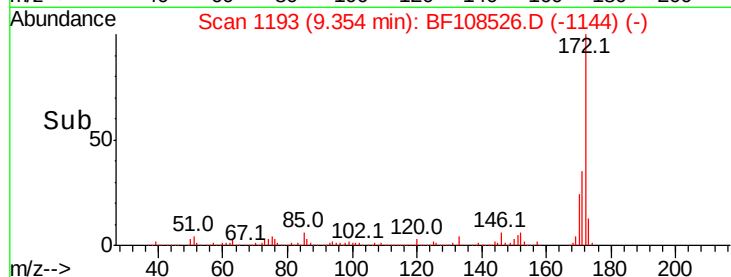
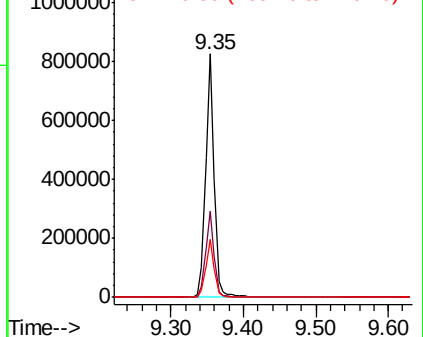
#44
2-Fluorobiphenyl
Concen: 69.605 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 685793
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.8 19.6 29.4

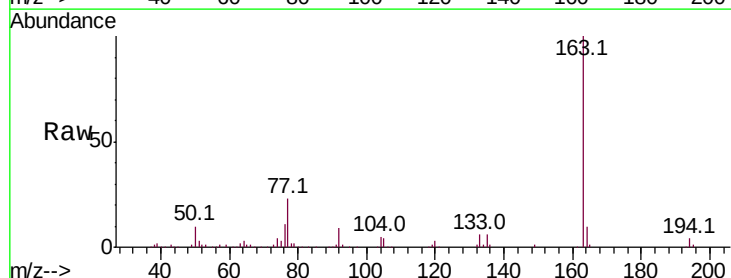


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

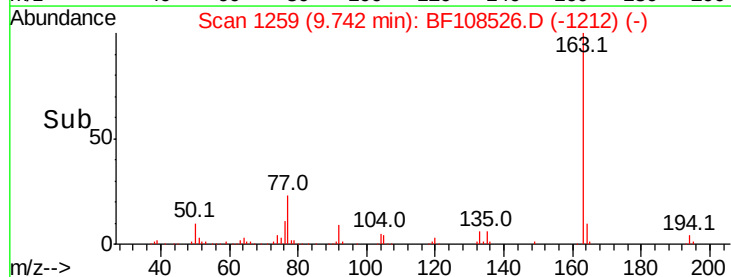
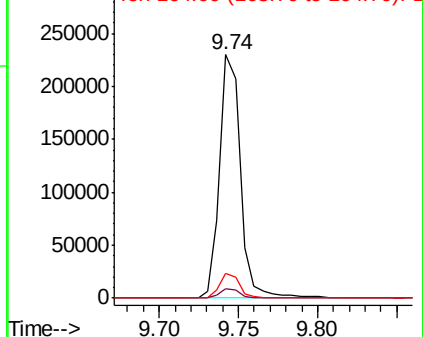


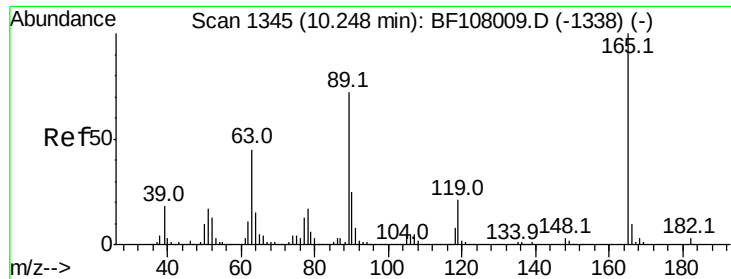
#49
Dimethylphthalate
Concen: 19.174 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion:163 Resp: 211272
Ion Ratio Lower Upper
163 100
194 4.0 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

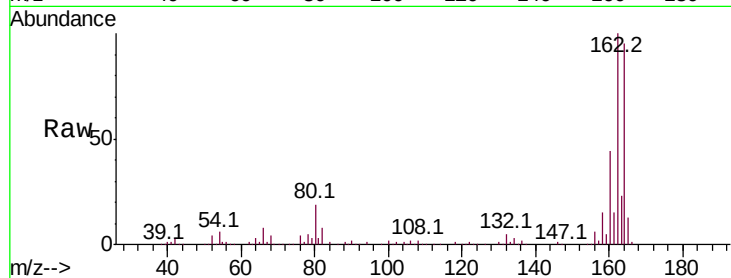




#56
 2,4-Dinitrotoluene
 Concen: 6.806 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :

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



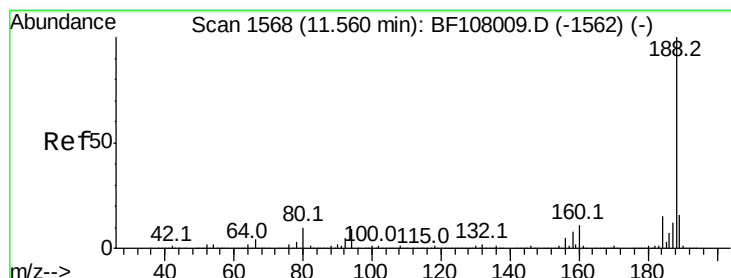
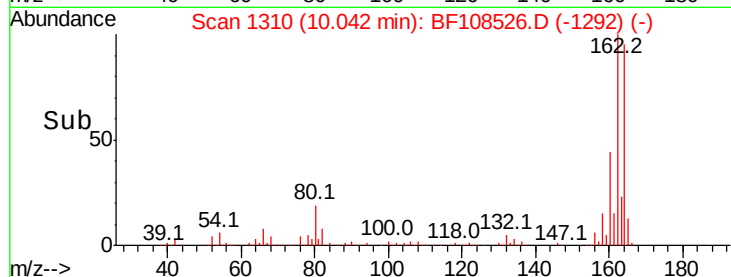
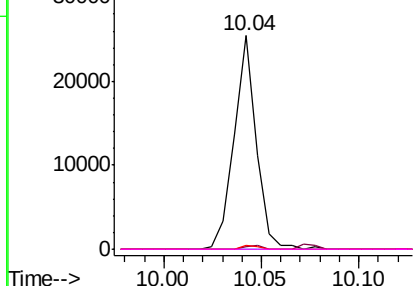
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

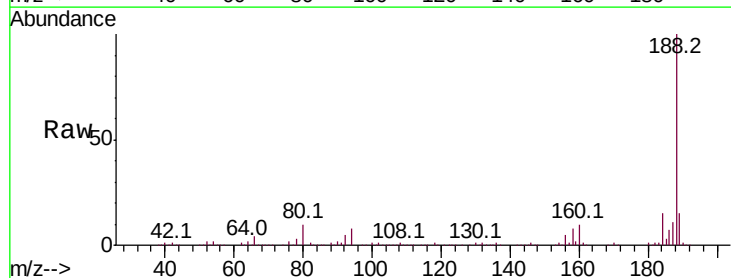
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.6	9.2	13.8

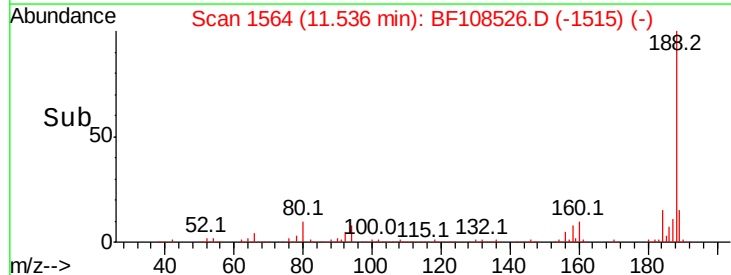
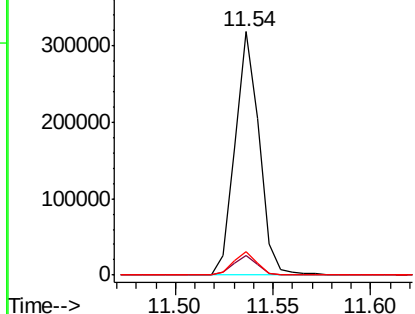


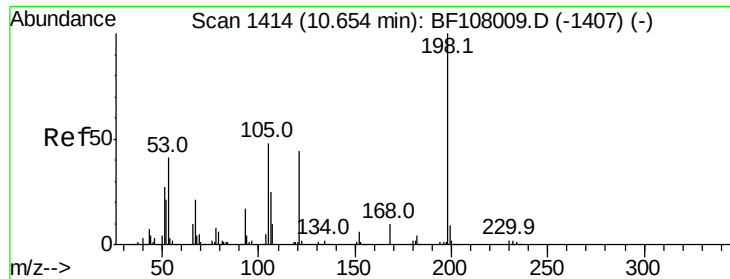
Abundance

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

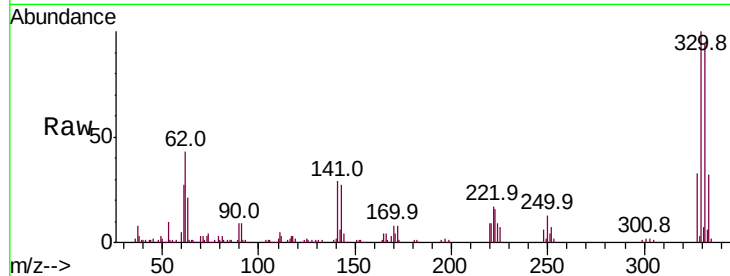




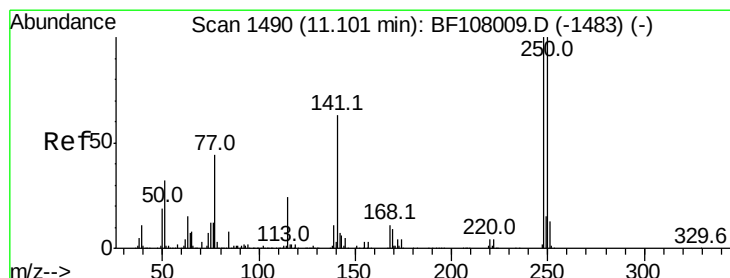
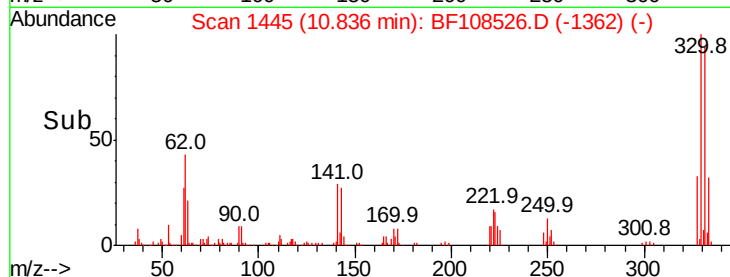
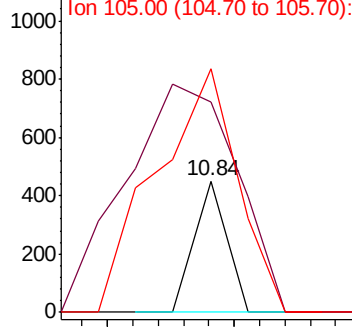
#64
4,6-Dinitro-2-methylphenol
Concen: 5.496 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 159
Ion Ratio Lower Upper
198 100
51 160.0 37.7 77.7#
105 185.6 36.3 76.3#

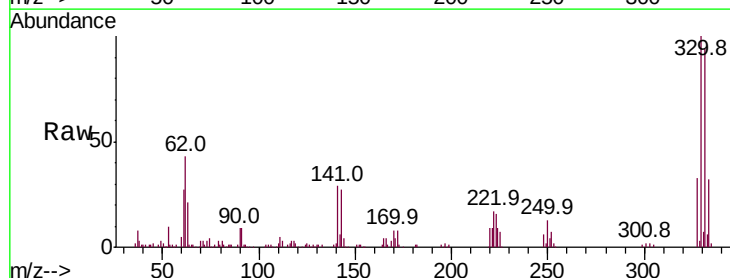


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

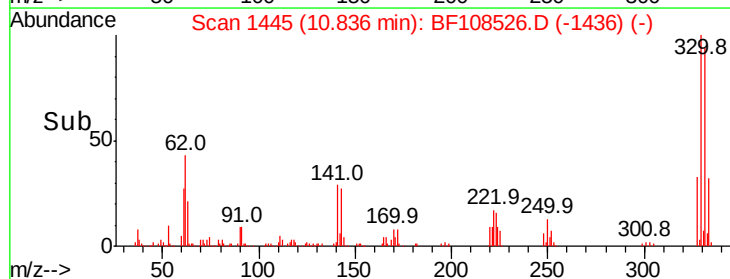
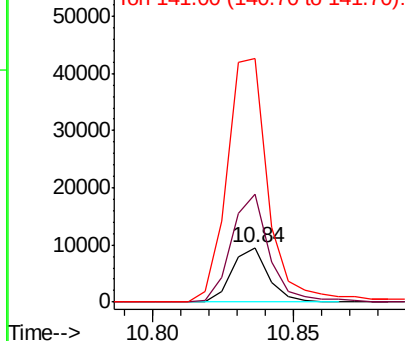


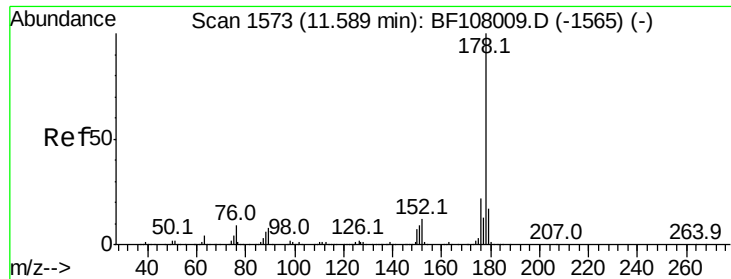
#66
4-Bromophenyl-phenylether
Concen: 2.862 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion:248 Resp: 8503
Ion Ratio Lower Upper
248 100
250 197.8 76.9 115.3#
141 447.0 74.4 111.6#



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





#70

Phenanthrene

Concen: 5.499 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampled :

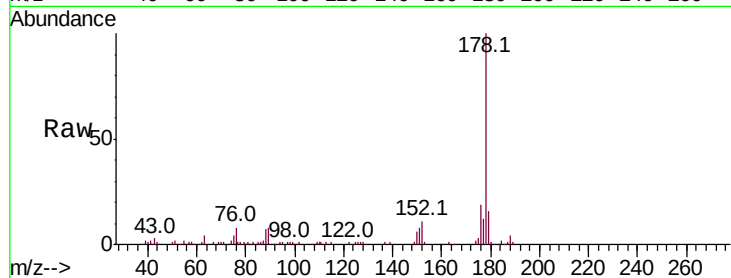
Tot Ion:178 Resp: 70905

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

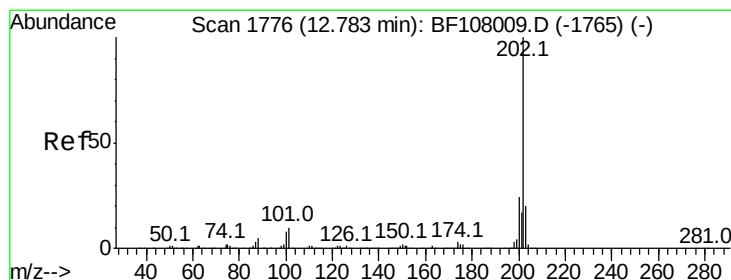
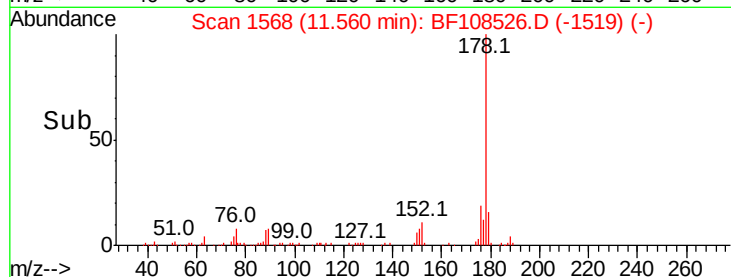
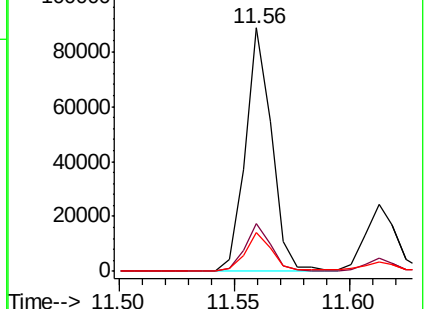
179 16.0 13.0 19.6



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: 11.928 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

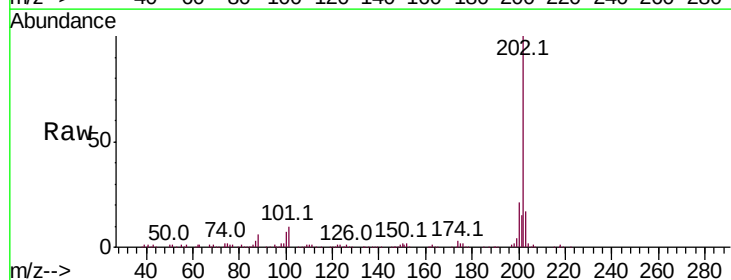
Tgt Ion:202 Resp: 167837

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

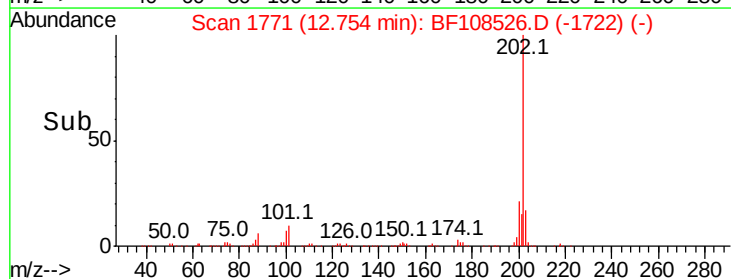
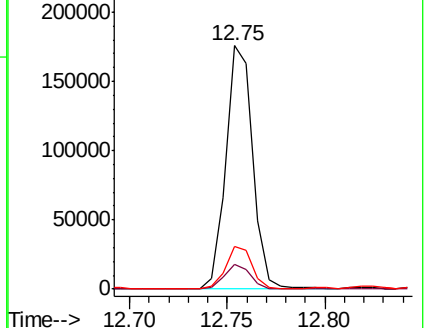
203 17.3 0.0 38.1

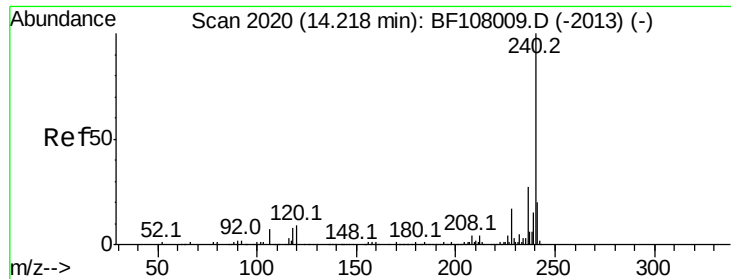


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

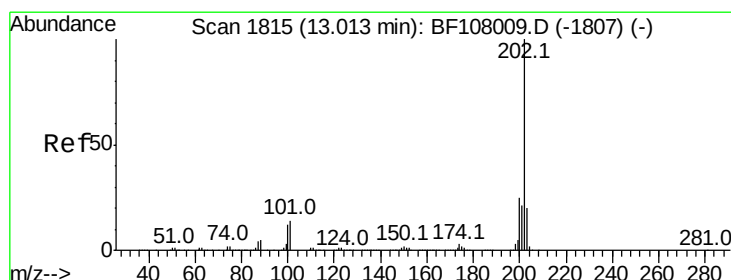
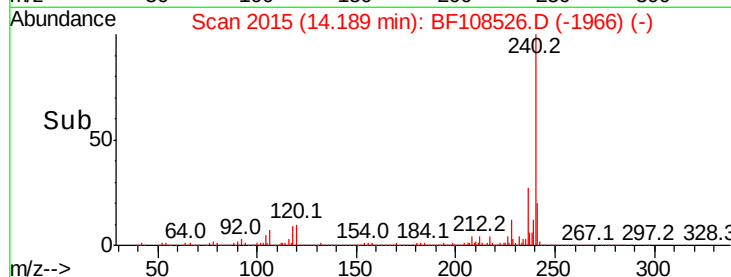
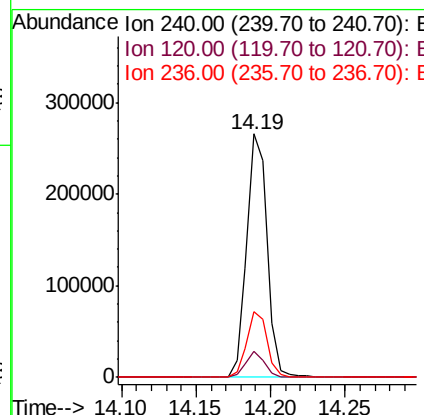
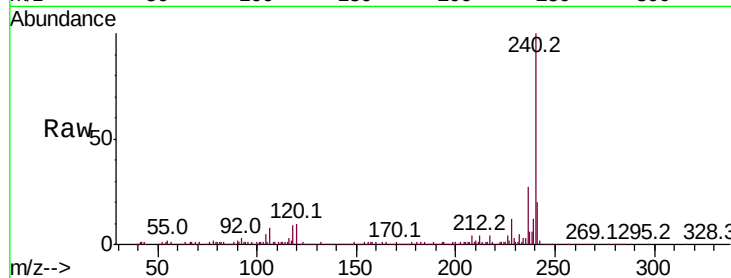




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

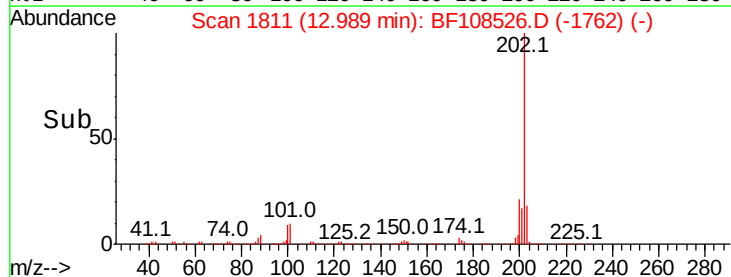
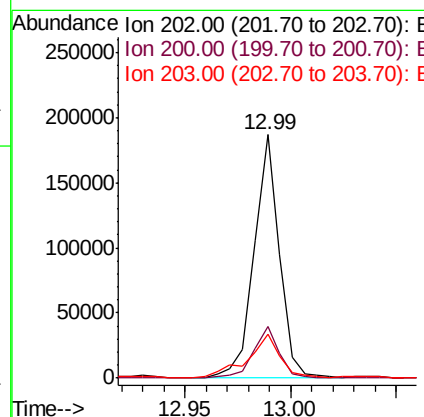
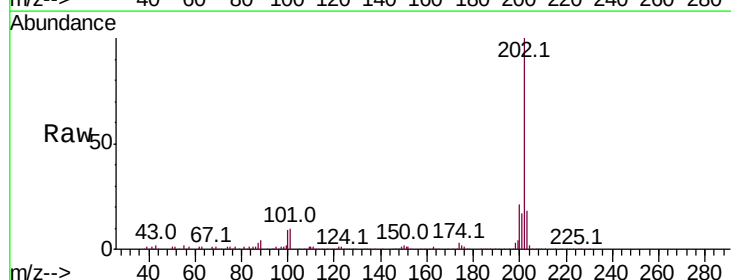
Instrument :
BNA_F
ClientSampleId :

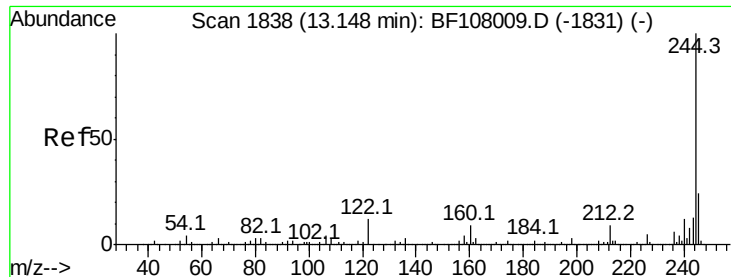
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.8	20.7	31.1



#77
Pyrene
Concen: 9.670 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 56.710 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampleId :

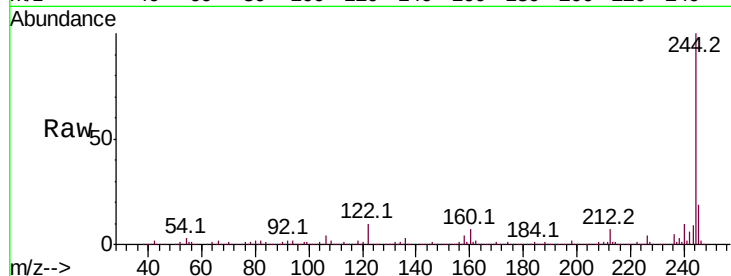
Tot Ion:244 Resp: 564724

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

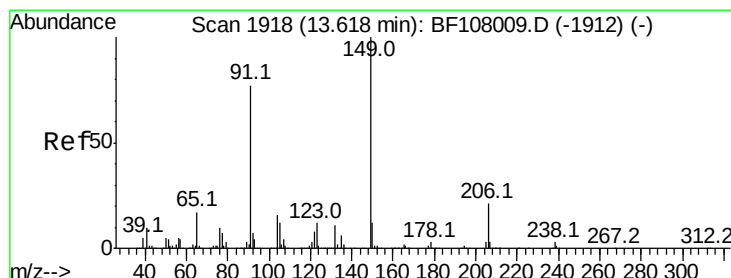
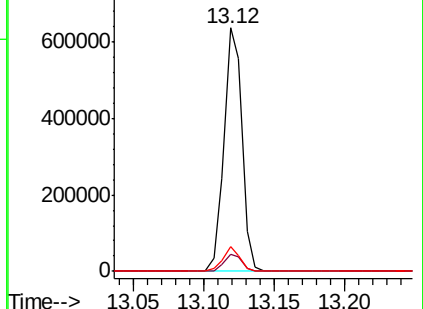
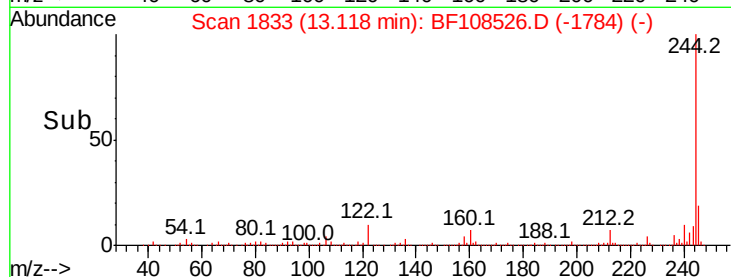
122 10.3 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 2.896 ng

RT: 13.59 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

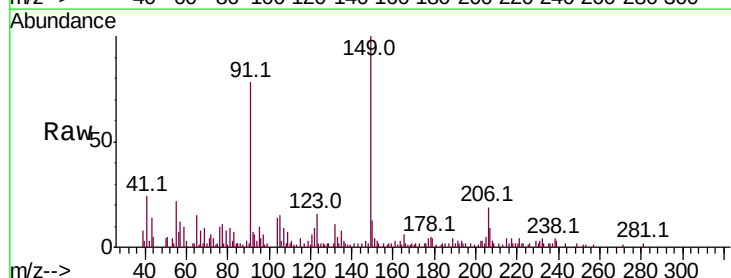
Tgt Ion:149 Resp: 18433

Ion Ratio Lower Upper

149 100

91 77.5 56.8 85.2

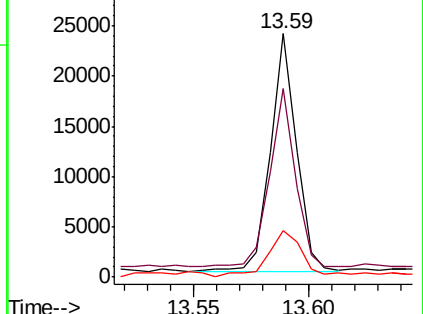
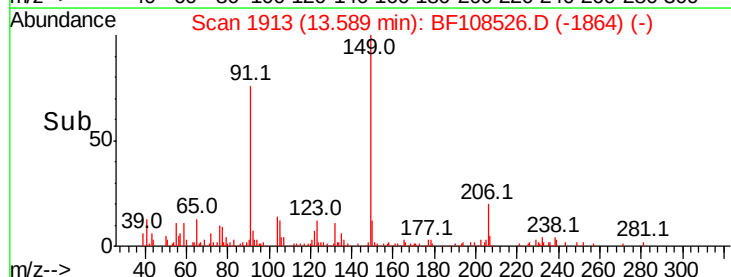
206 19.3 14.1 21.1

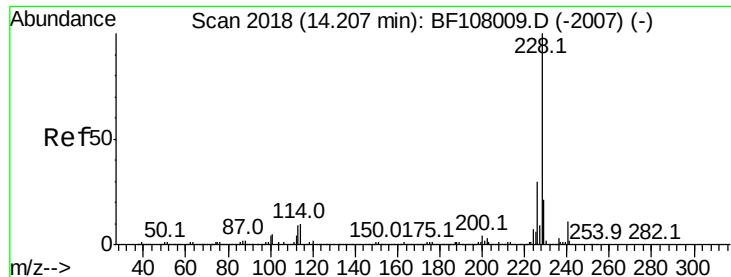


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.296 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampled :

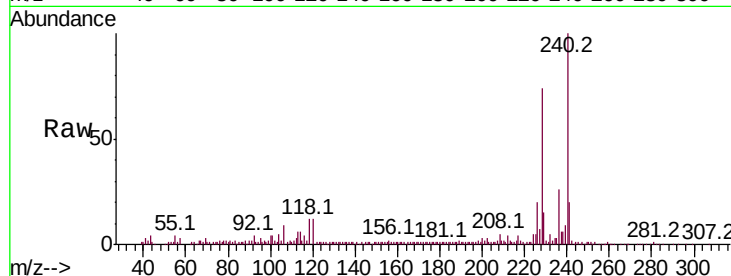
Tot Ion:228 Resp: 91478

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

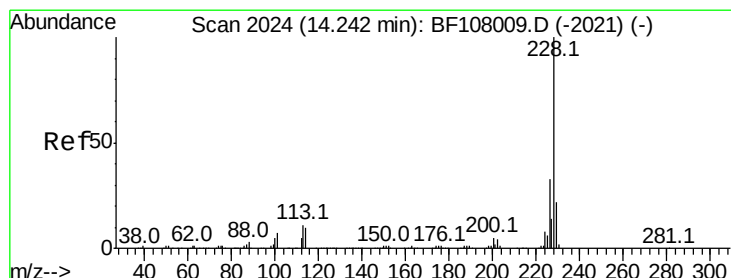
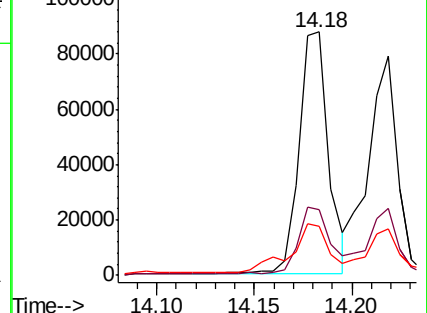
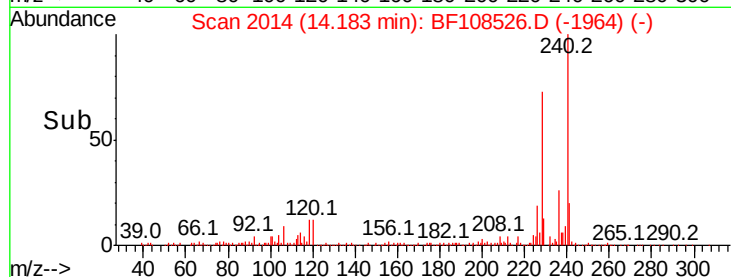
229 19.9 15.8 23.6



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: 6.124 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

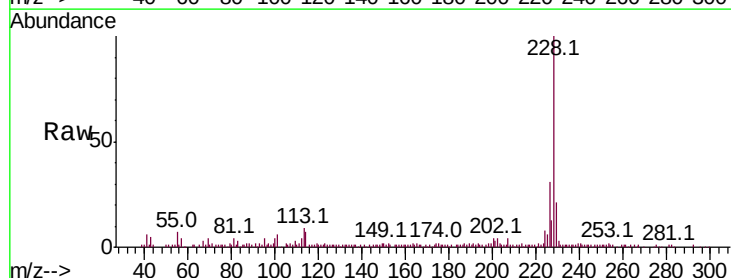
Tgt Ion:228 Resp: 81587

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

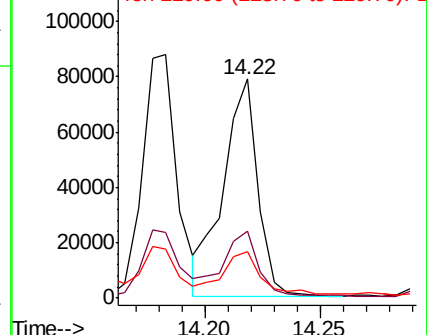
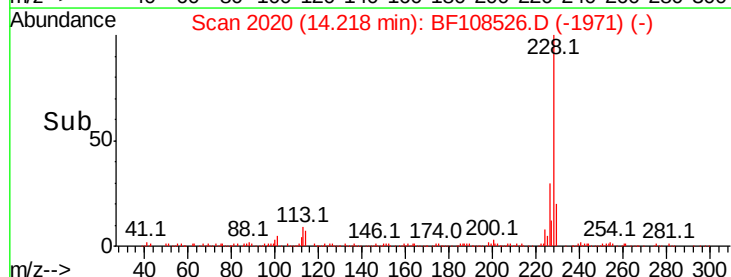
229 21.4 16.2 24.4

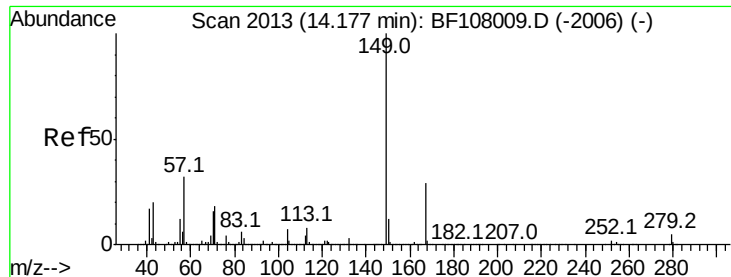


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

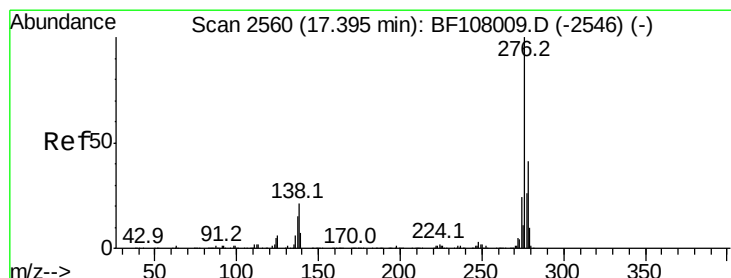
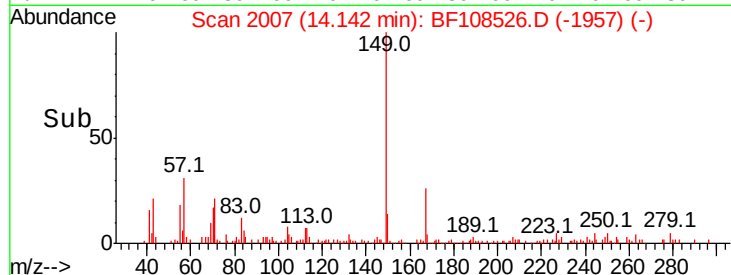
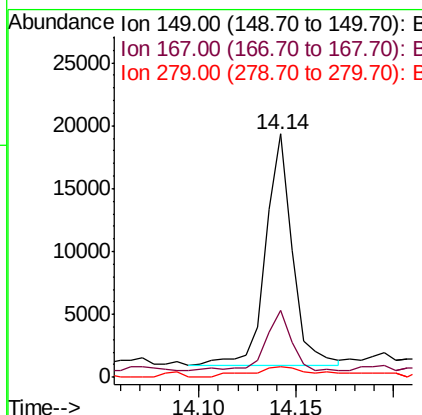
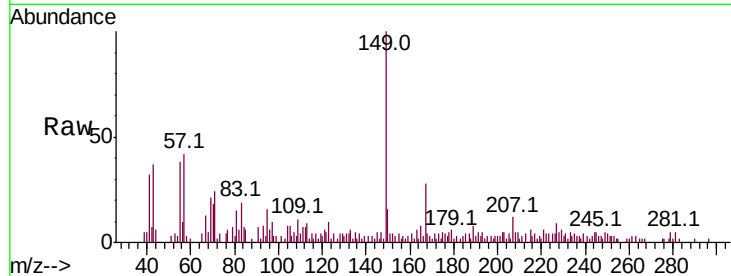




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.048 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

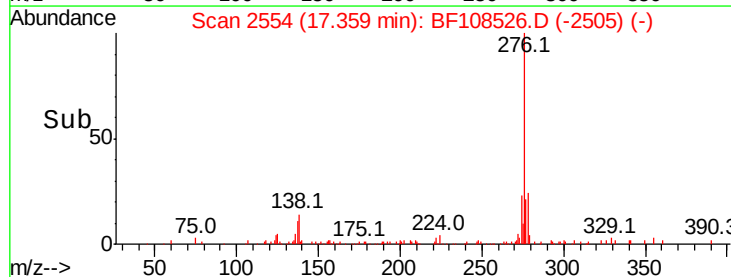
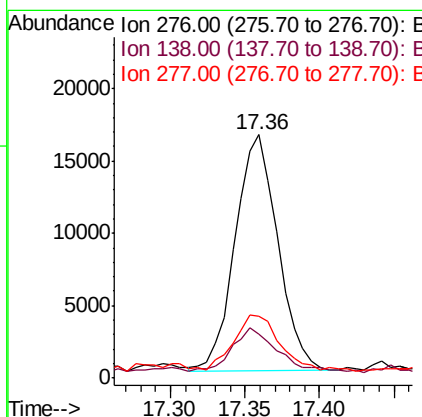
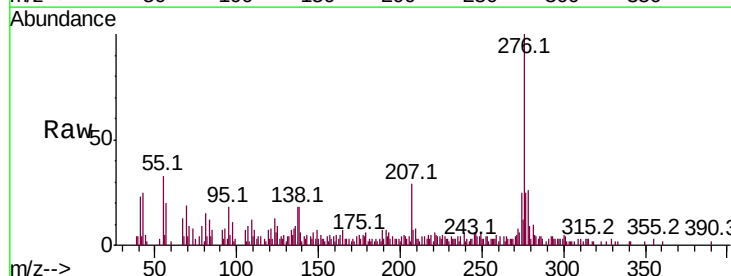
Instrument :
 BNA_F
 ClientSampled :

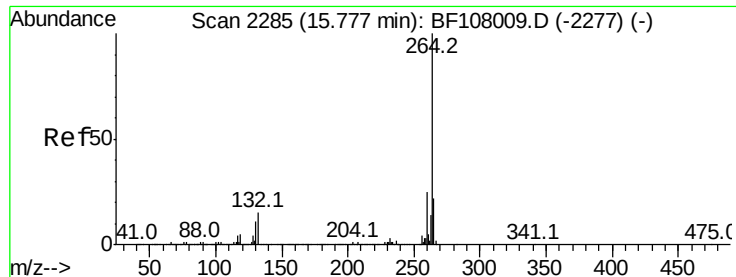
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.3	31.9
279	4.6	3.0	4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.815 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.0	37.6#
277	25.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampleId :

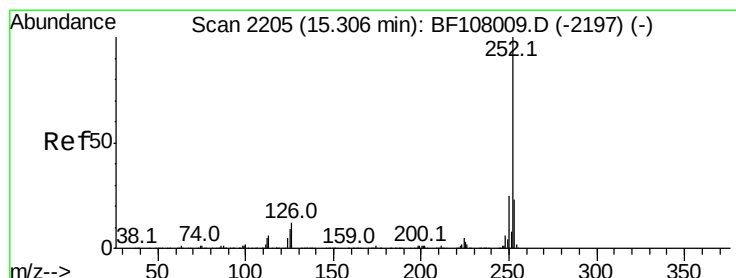
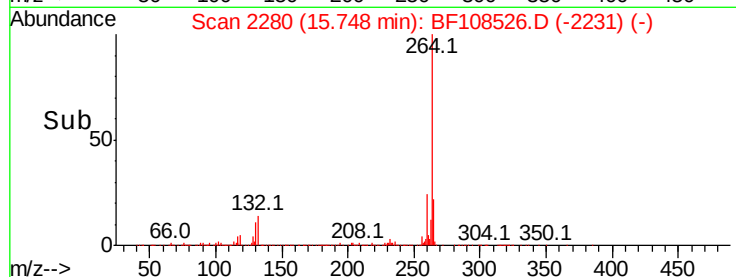
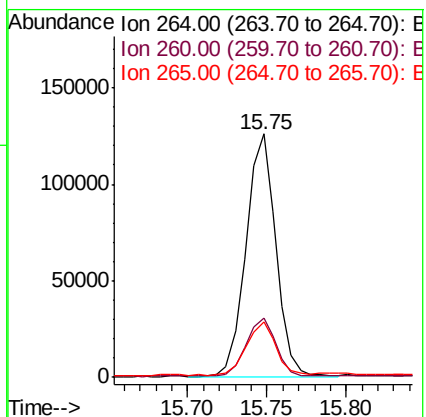
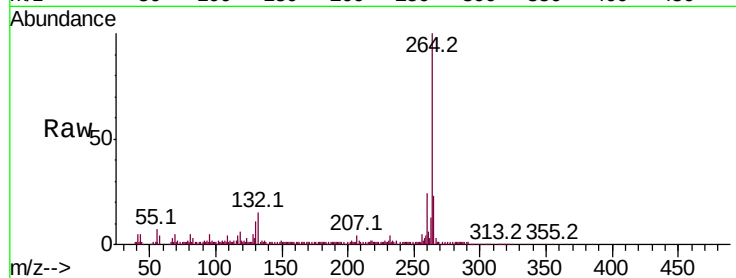
Tot Ion:264 Resp: 163833

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.7 17.5 26.3



#87

Benzo(b)fluoranthene

Concen: 11.750 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

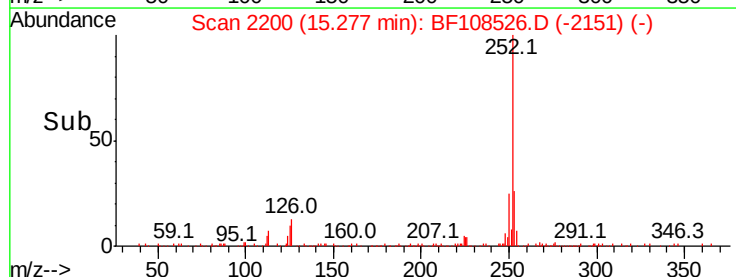
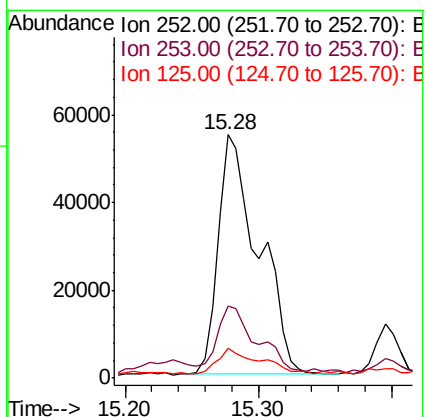
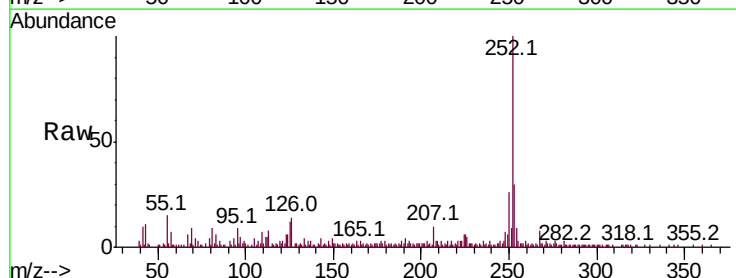
Tgt Ion:252 Resp: 115030

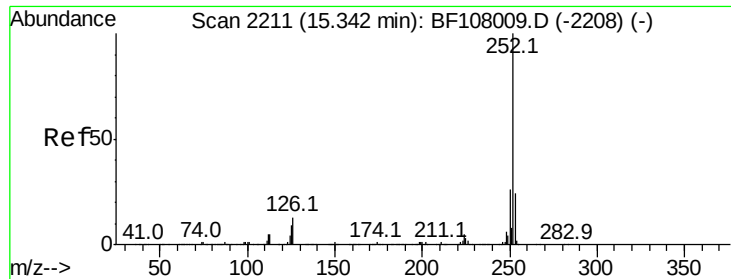
Ion Ratio Lower Upper

252 100

253 29.6 17.0 25.6#

125 12.3 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 12.782 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.05 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampleId :

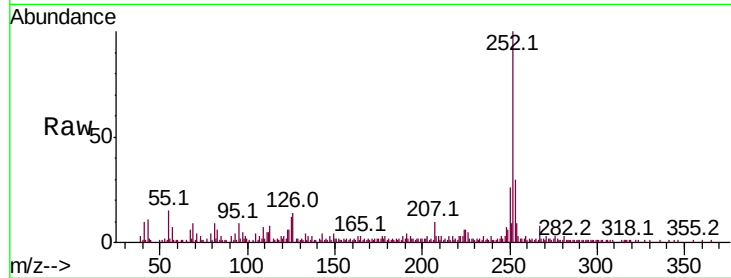
Tot Ion:252 Resp: 115030

Ion Ratio Lower Upper

252 100

253 29.6 17.9 26.9#

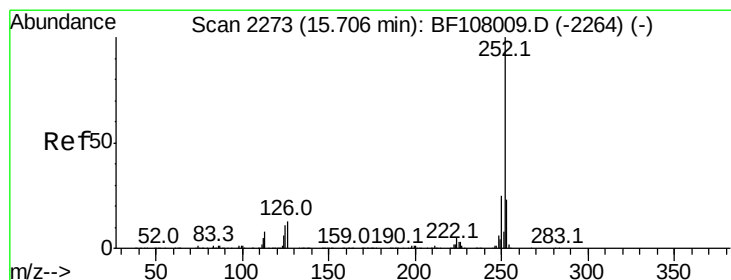
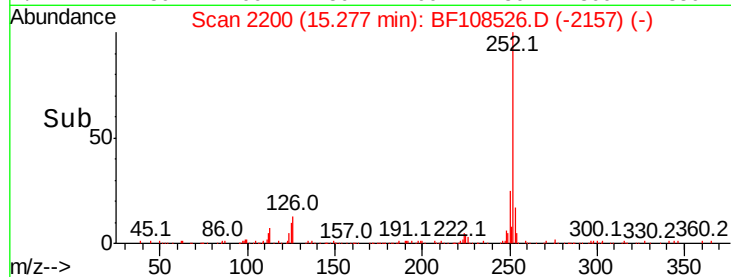
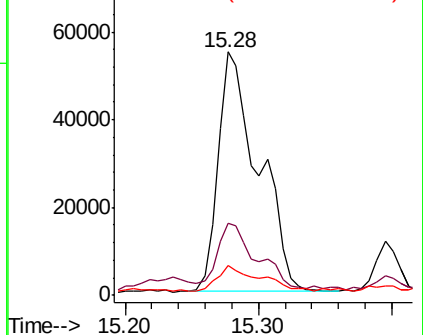
125 12.3 10.2 15.2



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: 6.370 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

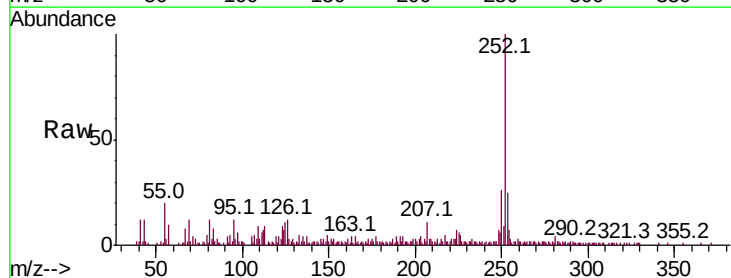
Tgt Ion:252 Resp: 55842

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

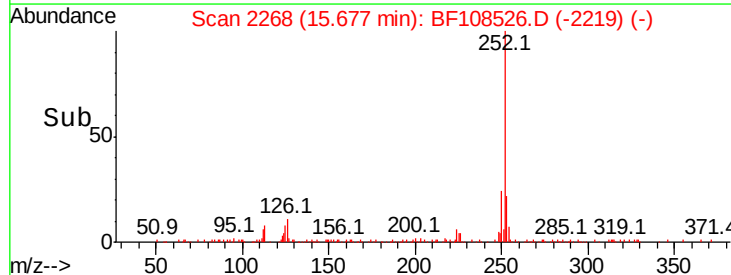
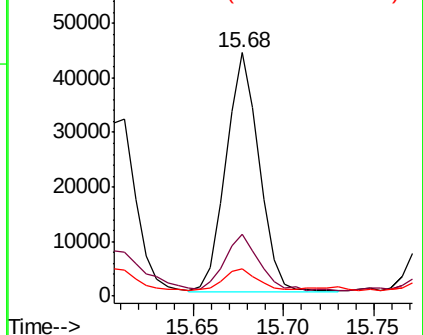
125 11.1 9.8 14.6

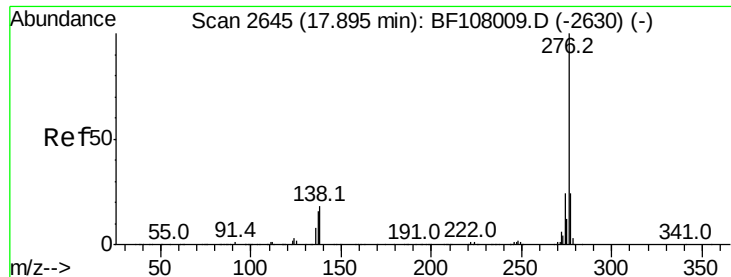


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.982 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.4	17.9	26.9	
138	19.1	21.8	32.8	

