

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108506.D
 Acq On : 27 Aug 2018 13:22
 Operator : JU/SJ
 Sample : J4646-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 14:03:15 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	129293	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	504294	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	254026	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	443254	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	299552	20.00	ng	0.00
86) Perylene-d12	15.75	264	288527	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	544686	76.27	ng	0.00
7) Phenol-d6	6.62	99	751760	79.22	ng	-0.01
23) Nitrobenzene-d5	7.56	82	489663	54.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	205750	81.20	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	896485	56.66	ng	-0.01
78) Terphenyl-d14	13.12	244	722030	61.29	ng	0.00

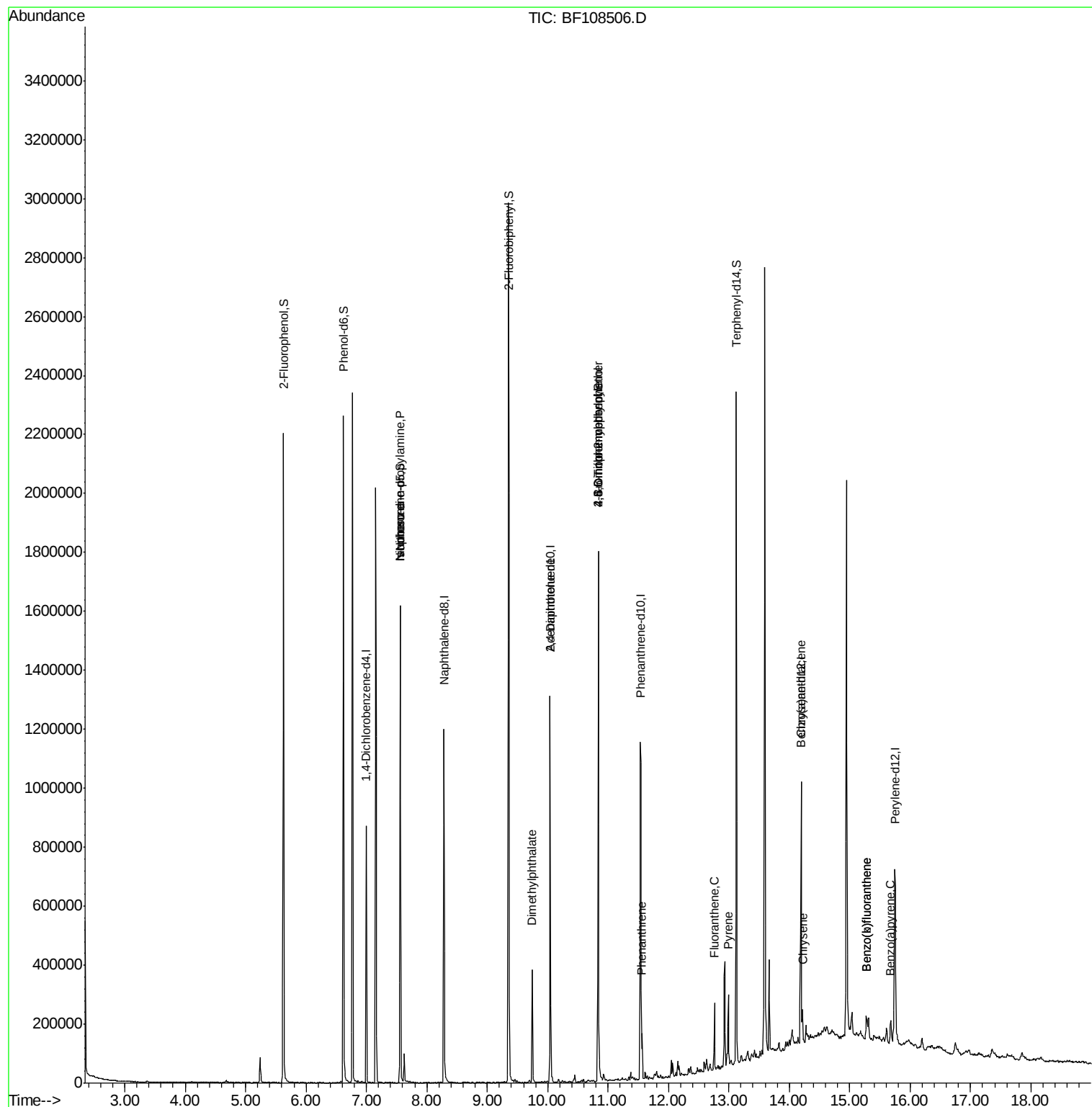
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	65419	10.194	ng	# 81
25) Isophorone	7.56	82	489656	28.426	ng	# 64
49) Dimethylphthalate	9.75	163	168721	9.535	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	31562	6.623	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	295	5.516	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	13573	2.818	ng	# 1
70) Phenanthrene	11.56	178	65107	3.114	ng	99
74) Fluoranthene	12.76	202	91356	4.004	ng	92
77) Pyrene	12.99	202	97356	5.134	ng	97
80) Benzo(a)anthracene	14.18	228	43565	2.534	ng	98
82) Chrysene	14.22	228	44095	2.798	ng	99
87) Benzo(b)fluoranthene	15.28	252	66030	3.830	ng	92
88) Benzo(k)fluoranthene	15.28	252	66030	4.166	ng	95
89) Benzo(a)pyrene	15.68	252	36902	2.390	ng	# 94

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

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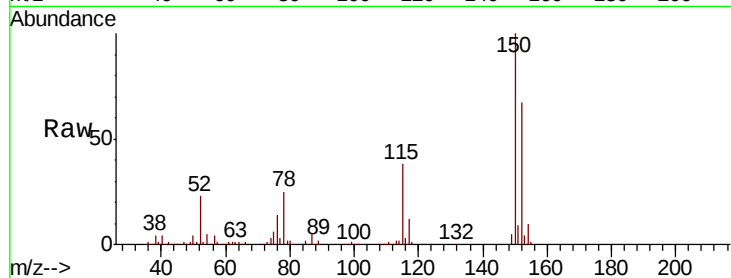


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	124.6	186.8
115	56.2	50.1	75.1

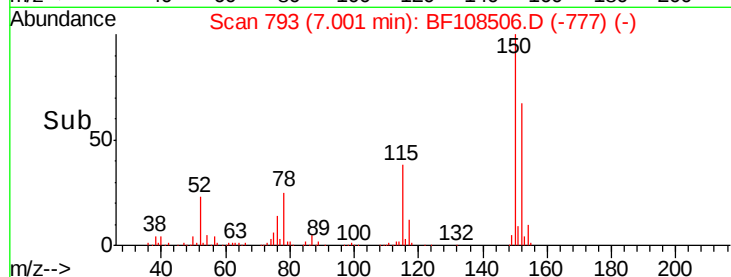
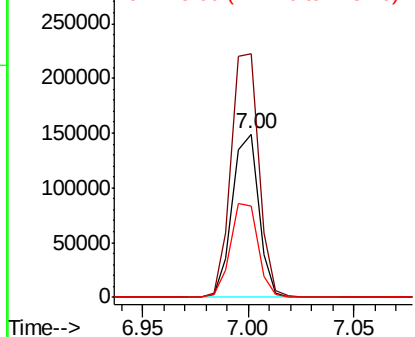


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

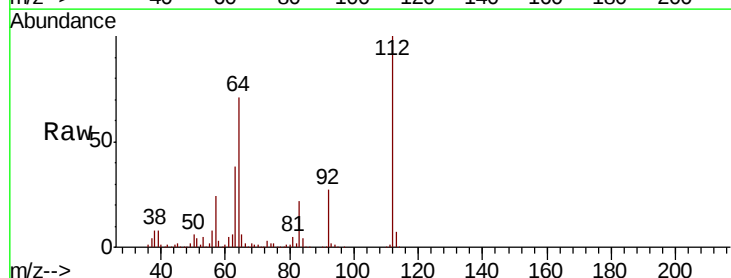
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.271 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	38.1	23.7	35.5

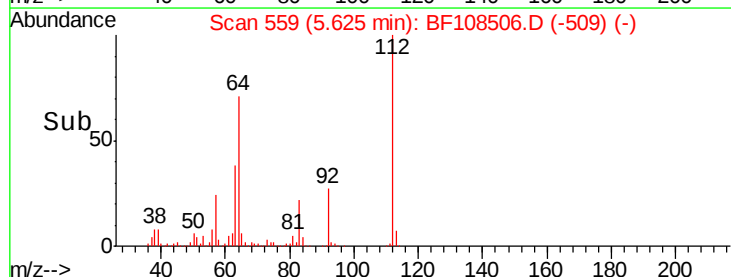
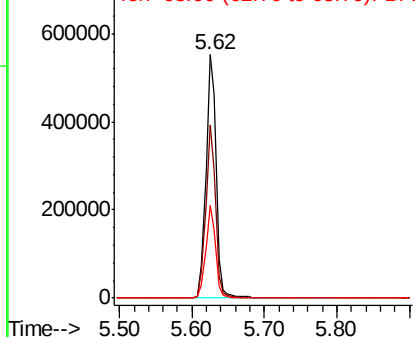


Abundance

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: 79.216 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampled :

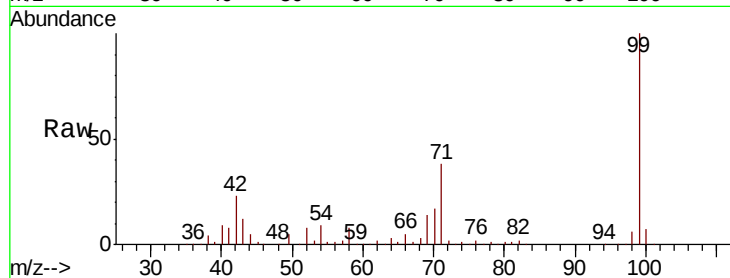
Tot Ion: 99 Resp: 751760

Ion Ratio Lower Upper

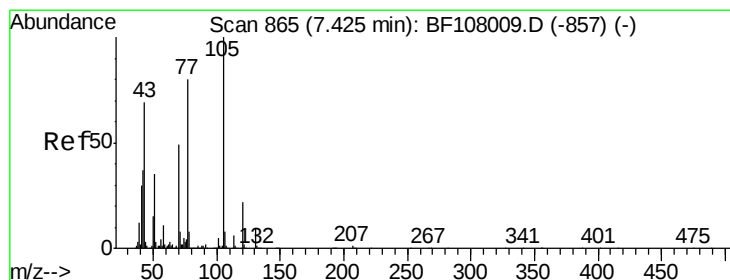
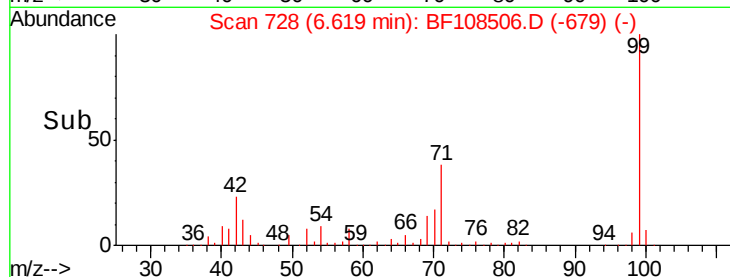
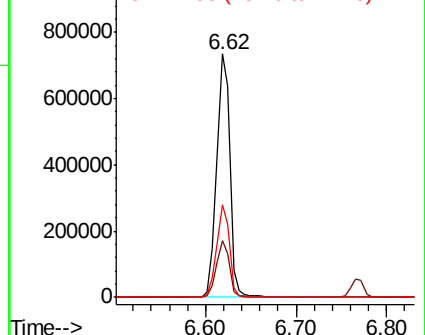
99 100

42 23.2 14.5 21.7#

71 38.3 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: 10.194 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Tgt Ion: 70 Resp: 65419

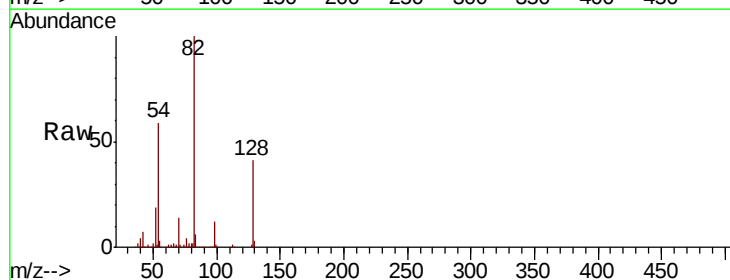
Ion Ratio Lower Upper

70 100

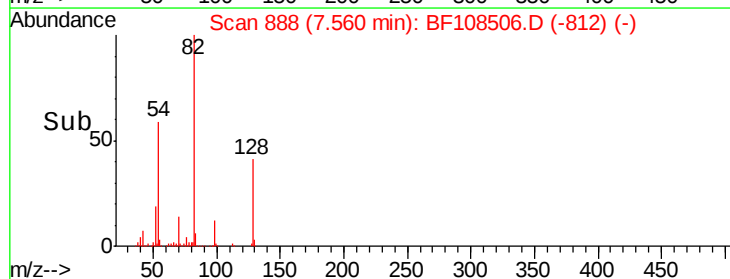
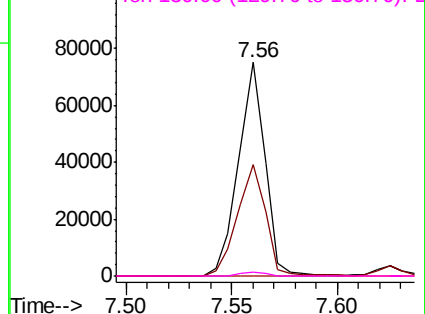
42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 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

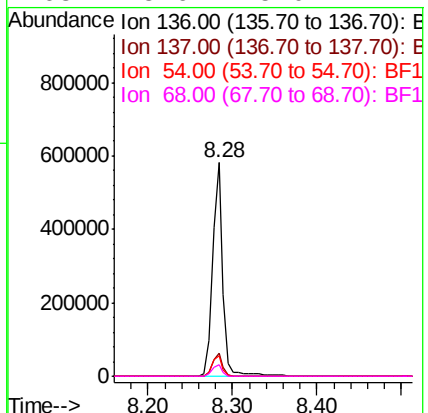
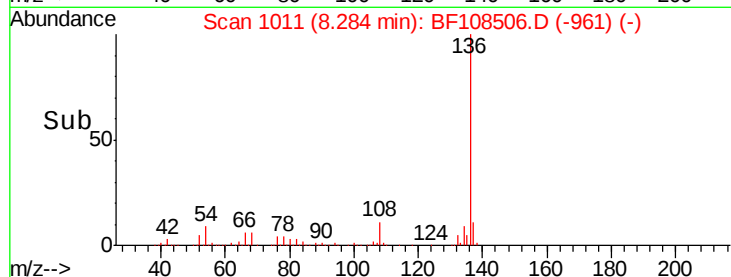
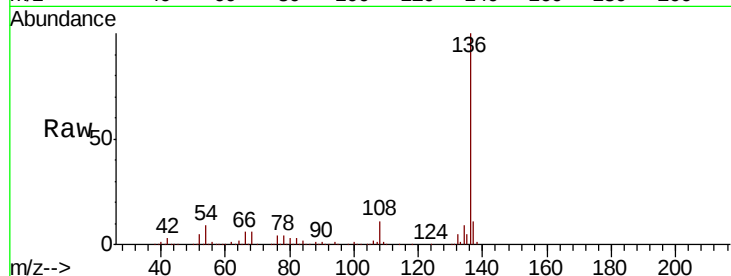




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

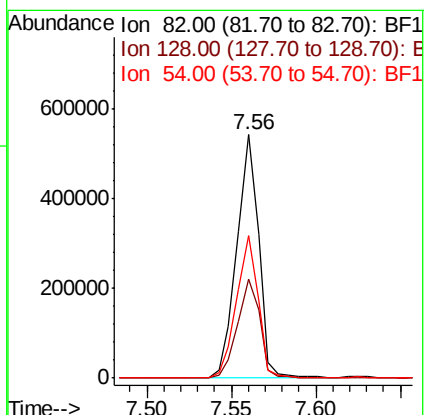
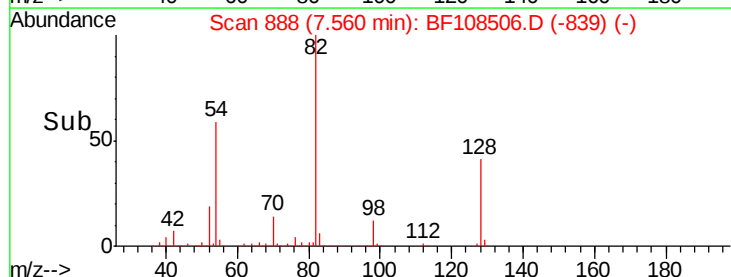
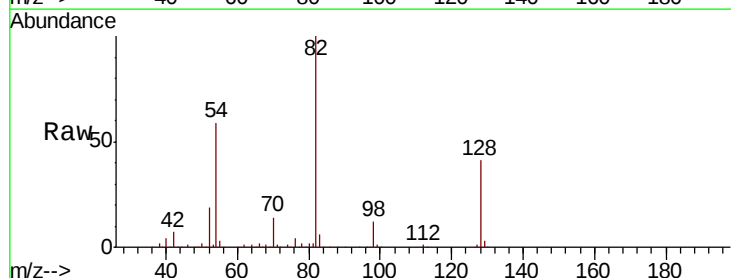
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	504294	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.9	13.3	
54 9.4	6.6	9.8	
68 5.6	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 54.182 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt	Ion: 82	Resp:	489663
Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	58.5	41.4	62.2





#25

Isophorone

Concen: 28.426 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampleId :

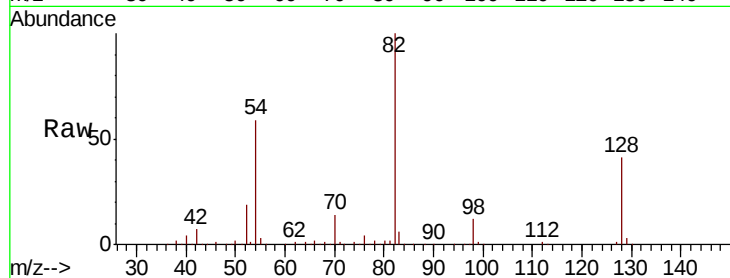
Tot Ion: 82 Resp: 489656

Ion Ratio Lower Upper

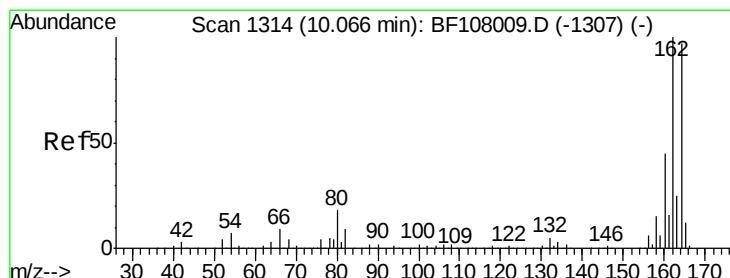
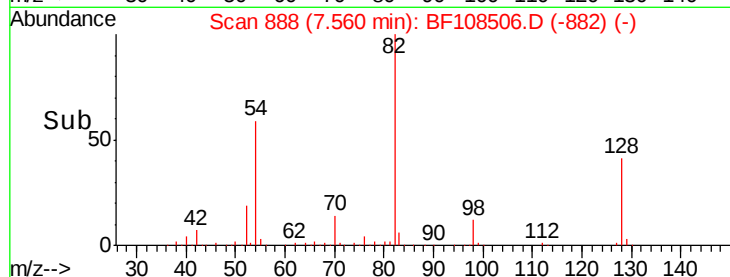
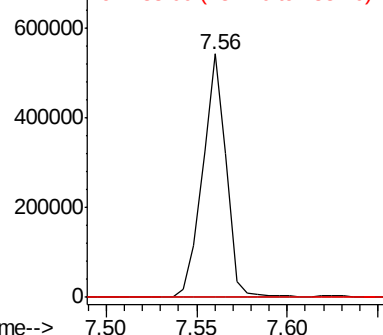
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

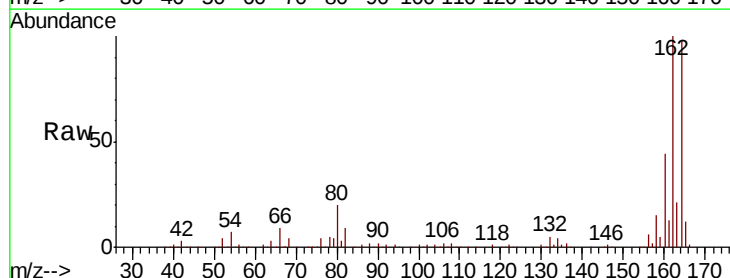
Tgt Ion:164 Resp: 254026

Ion Ratio Lower Upper

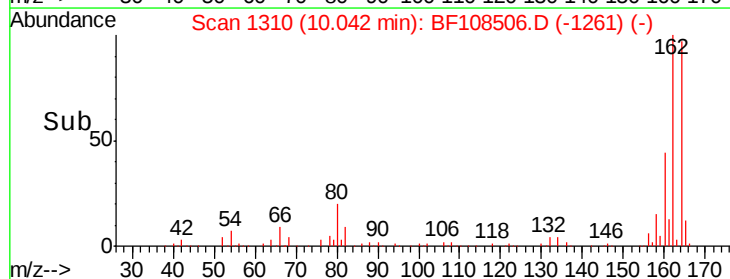
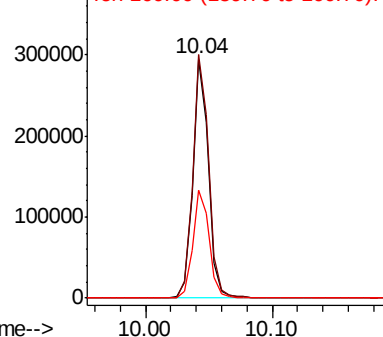
164 100

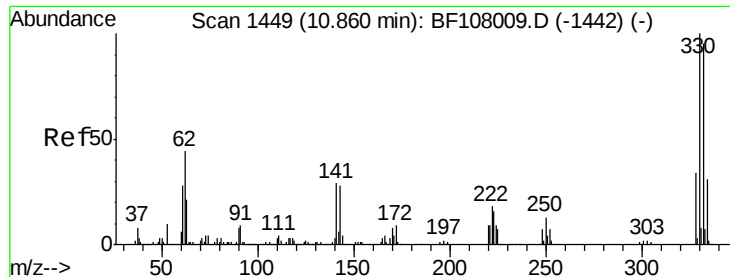
162 101.8 86.1 129.1

160 45.2 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

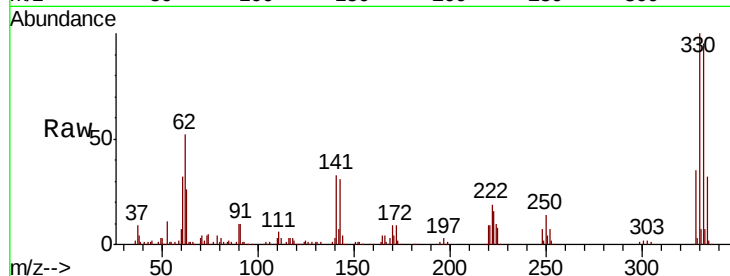




#41
 2,4,6-Tribromophenol
 Concen: 81.201 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.3	29.9	44.9

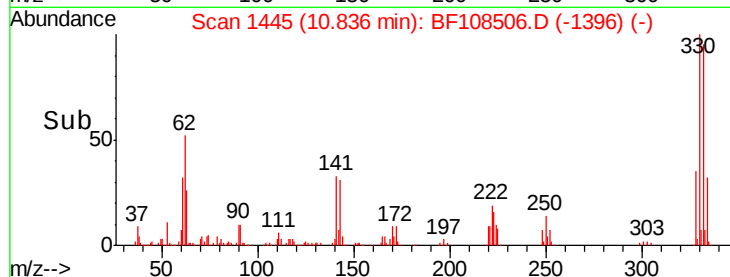
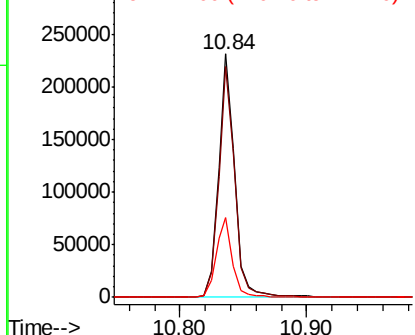


Abundance

Ion 329.80 (329.50 to 330.50): E

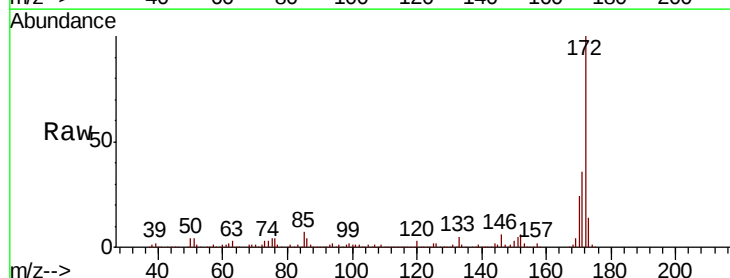
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.659 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.0	19.6	29.4

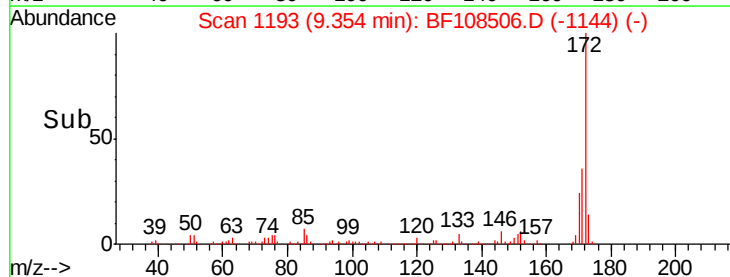
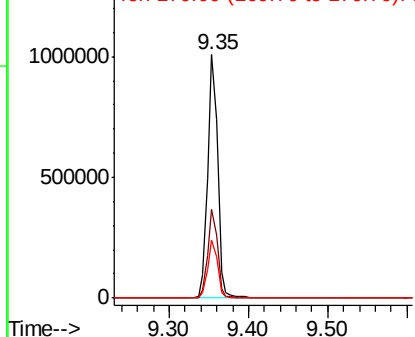


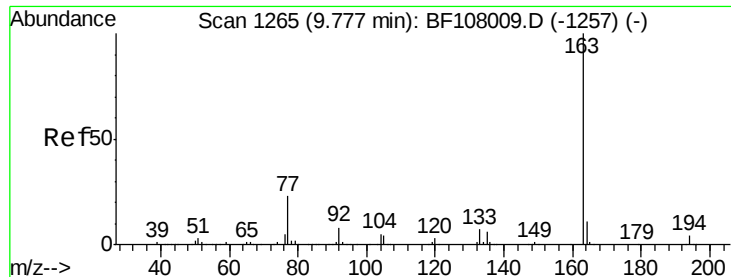
Abundance

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

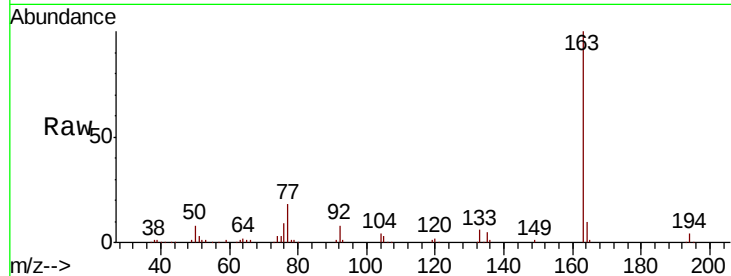




#49
Dimethylphthalate
Concen: 9.535 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.9	8.2	12.2

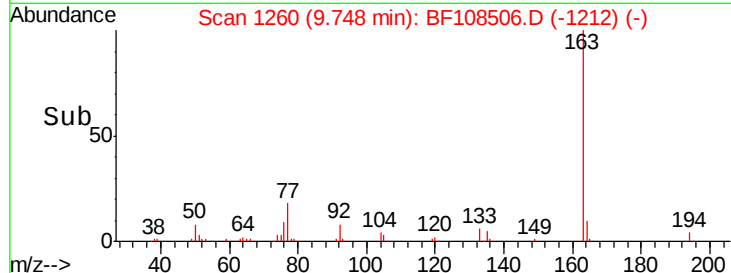
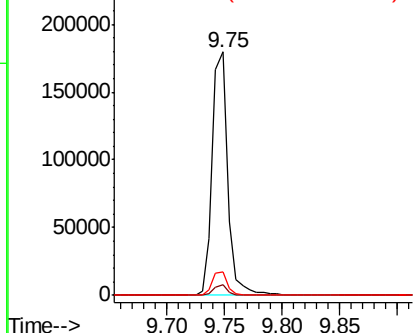


Abundance

Ion 163.00 (162.70 to 163.70): E

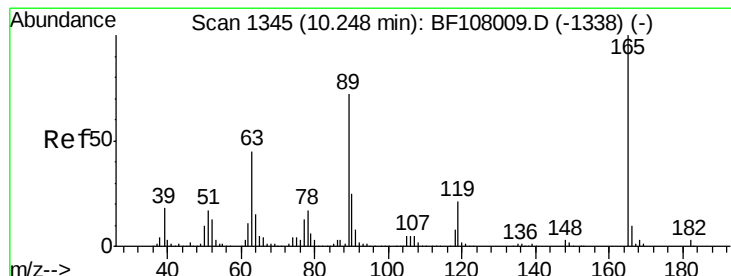
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56
2,4-Dinitrotoluene
Concen: 6.623 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



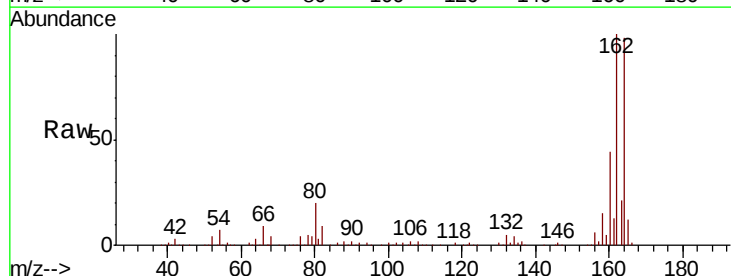
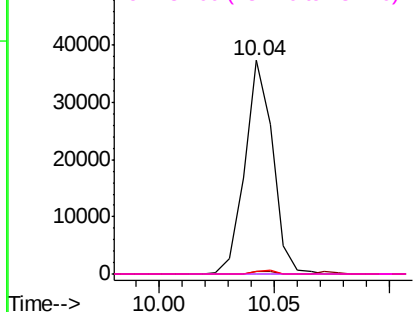
Abundance

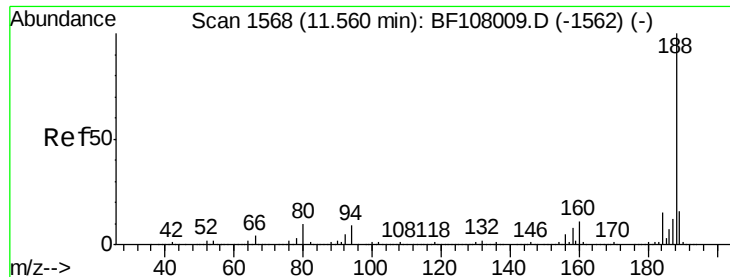
Ion 165.00 (164.70 to 165.70): E

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: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampleId :

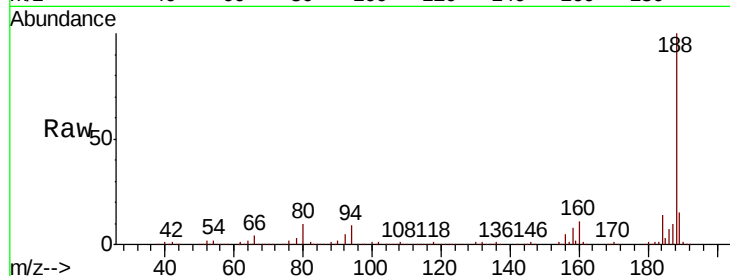
Tot Ion:188 Resp: 443254

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

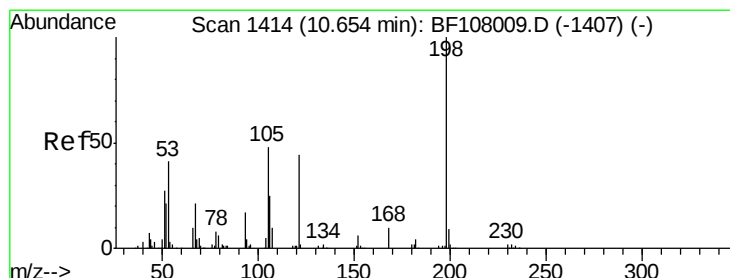
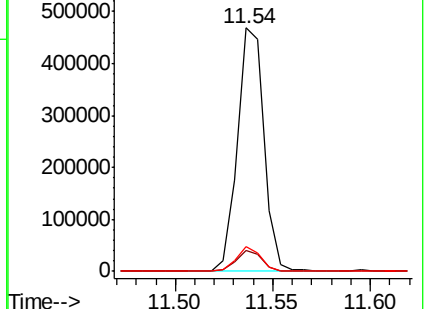
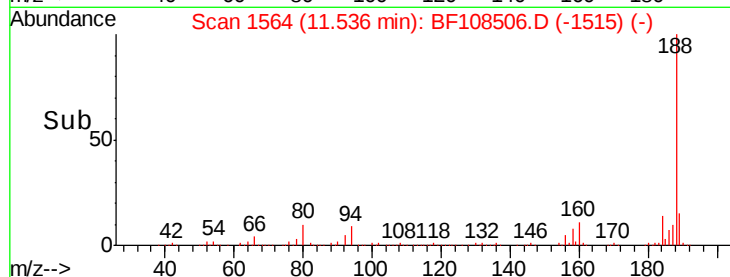
80 10.3 9.2 13.8



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: 5.516 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

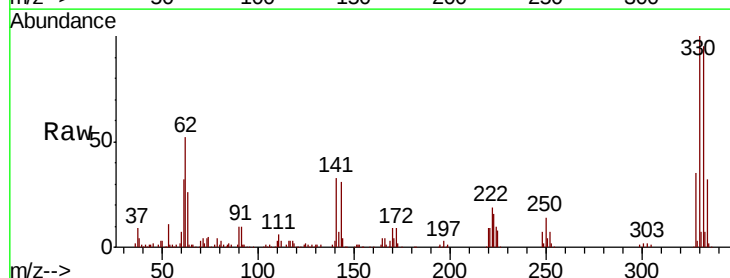
Tgt Ion:198 Resp: 295

Ion Ratio Lower Upper

198 100

51 252.5 37.7 77.7#

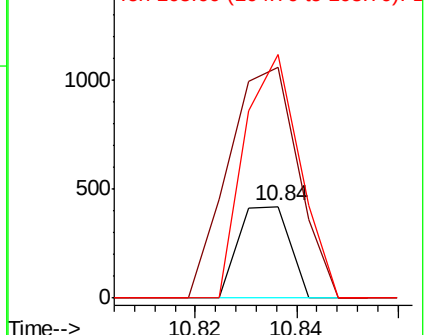
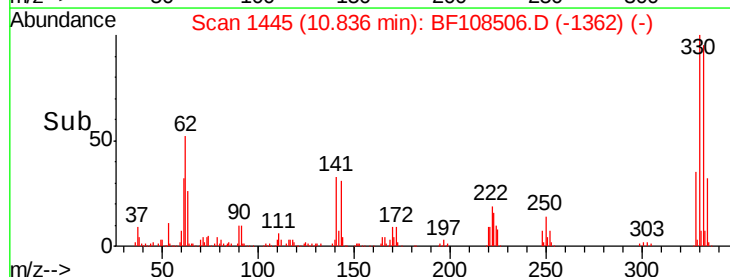
105 265.8 36.3 76.3#

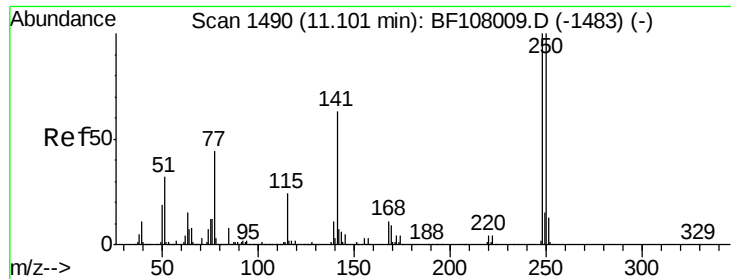


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

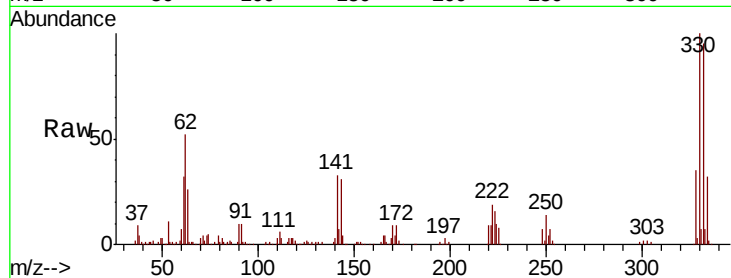




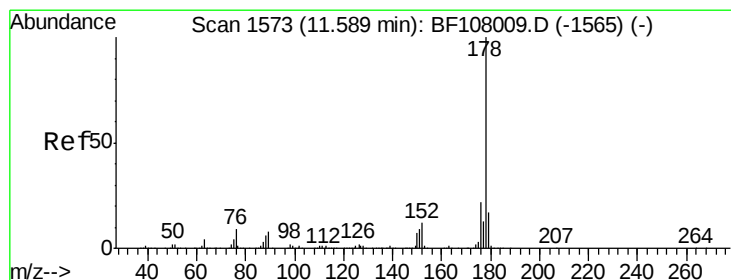
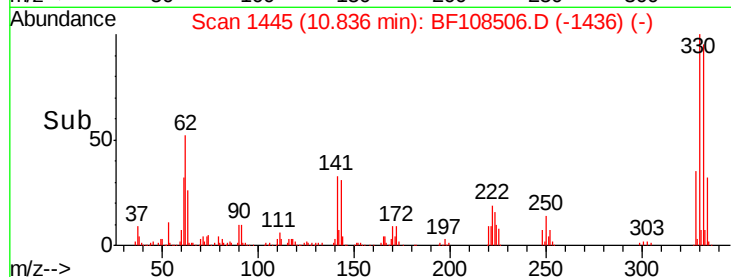
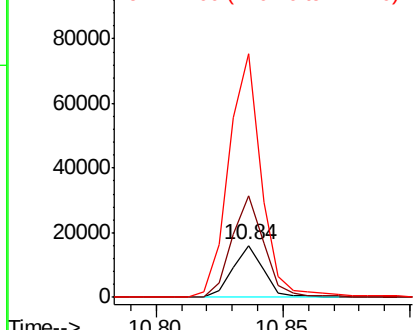
#66
 4-Bromophenyl-phenylether
 Concen: 2.818 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13573
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.9 115.3#
 141 466.2 74.4 111.6#

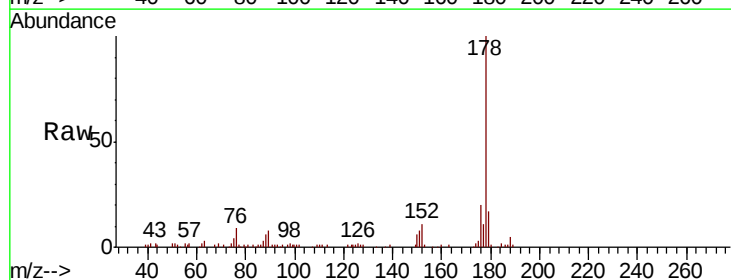


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

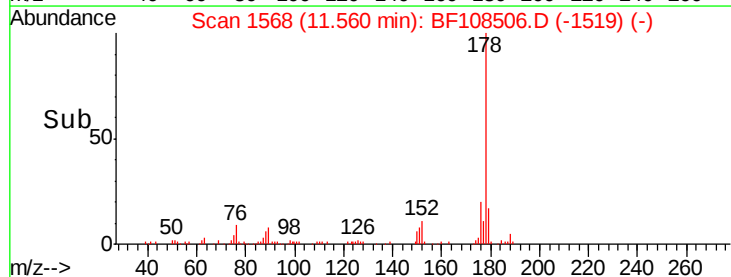
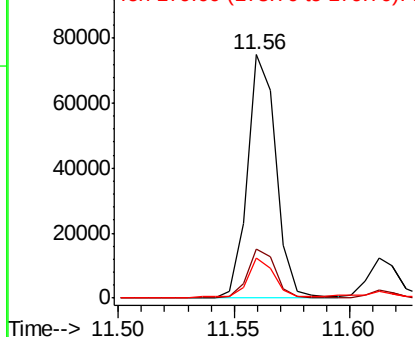


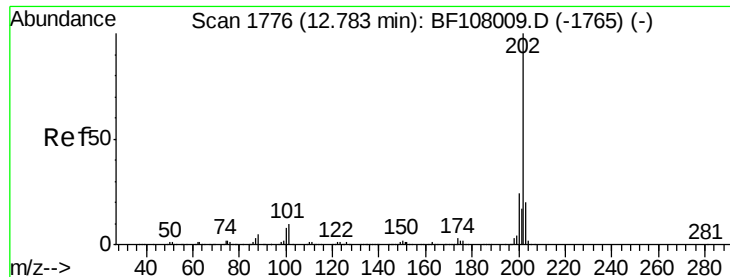
#70
 Phenanthrene
 Concen: 3.114 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Tgt Ion:178 Resp: 65107
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 16.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.004 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampled :

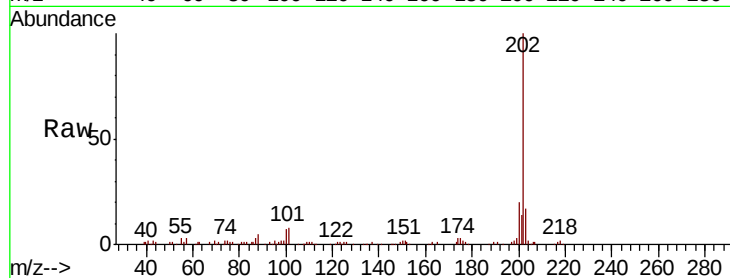
Tot Ion:202 Resp: 91356

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.1

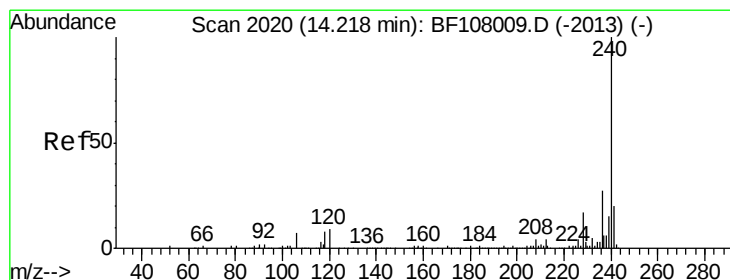
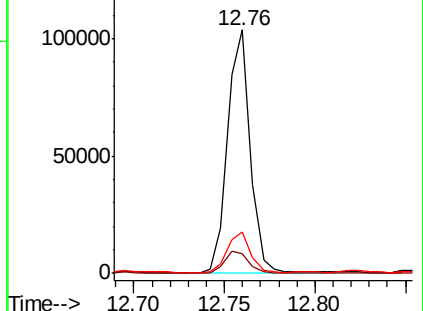
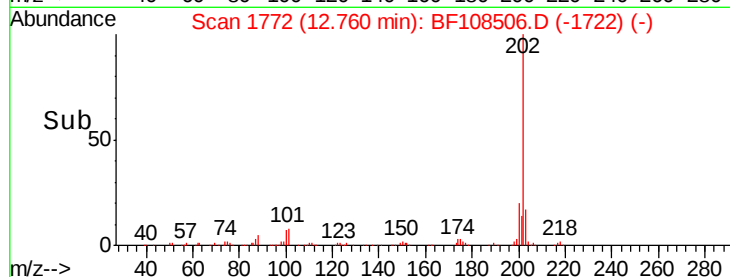
203 17.1 0.0 38.1



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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

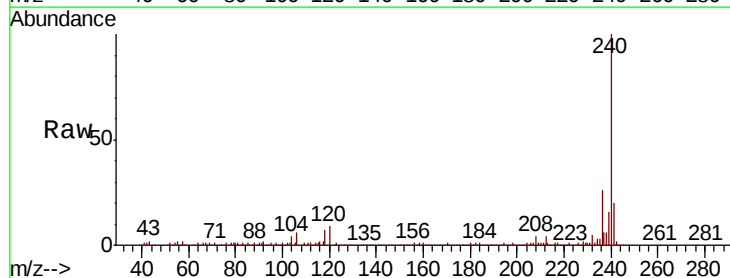
Tgt Ion:240 Resp: 299552

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

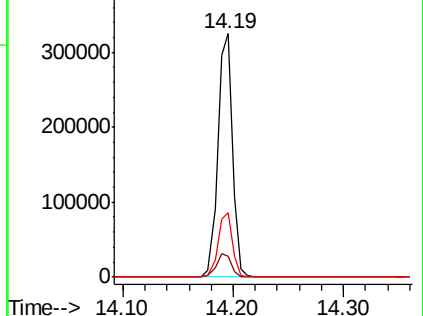
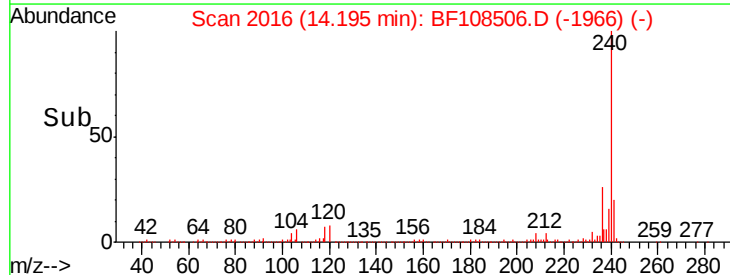
236 26.4 20.7 31.1

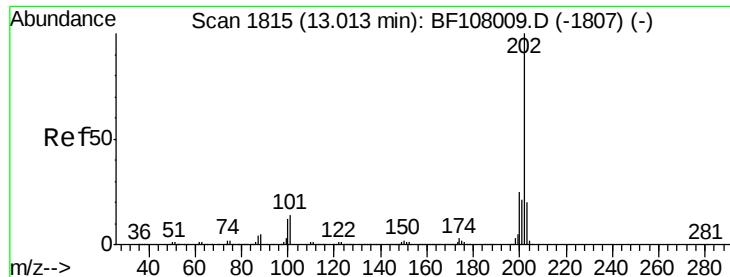


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.134 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

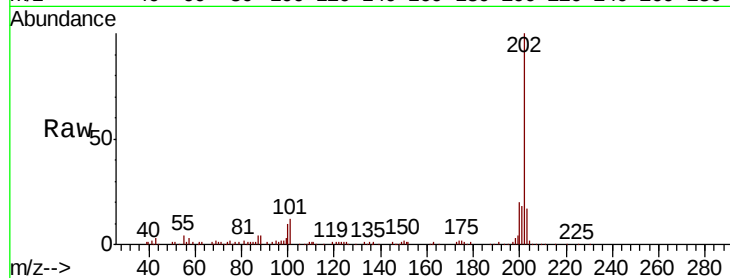
Instrument :

BNA_F

ClientSampled :

Tot Ion:202 Resp: 97356

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	17.2	14.3	21.5



Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

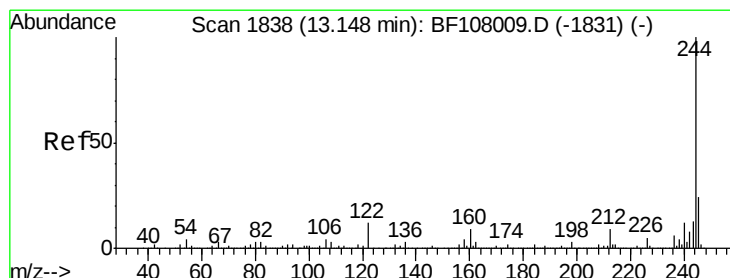
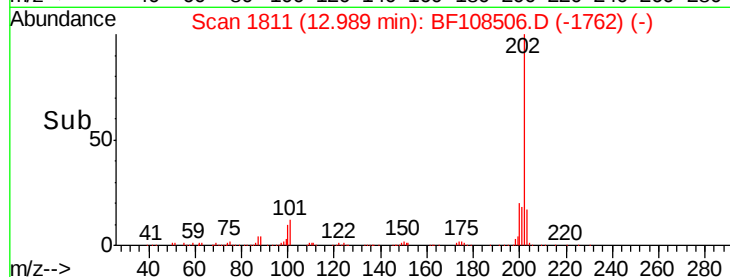
12.99

100000

50000

0

Time-->



#78

Terphenyl-d14

Concen: 61.285 ng

RT: 13.12 min Scan# 1834

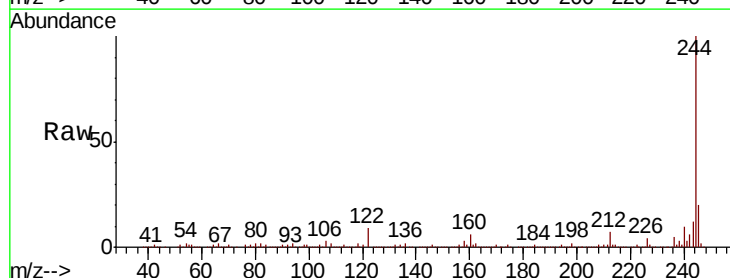
Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Tgt Ion:244 Resp: 722030

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	8.9	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

13.12

1200000

1000000

800000

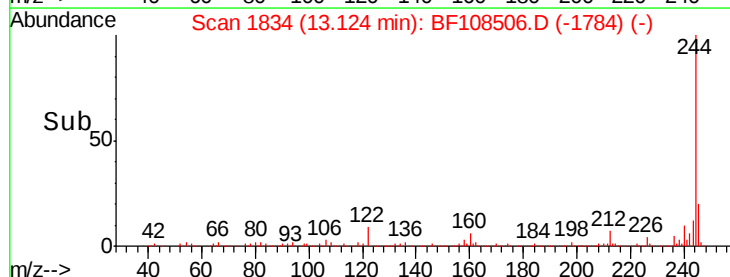
600000

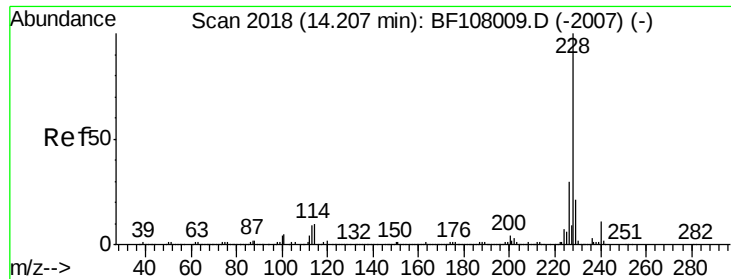
400000

200000

0

Time-->

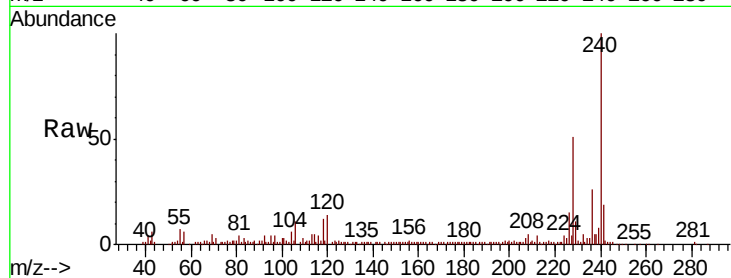




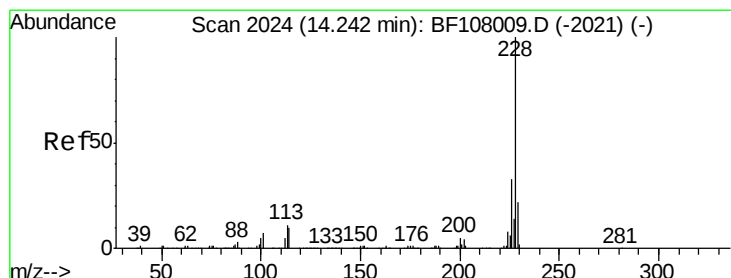
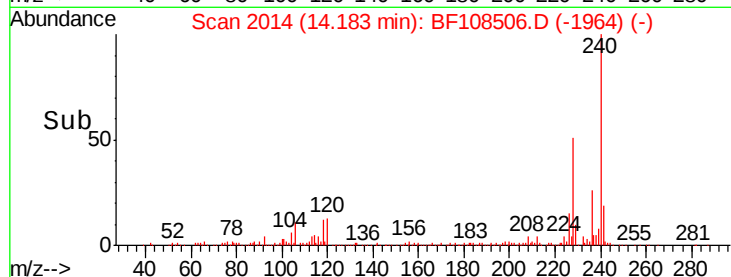
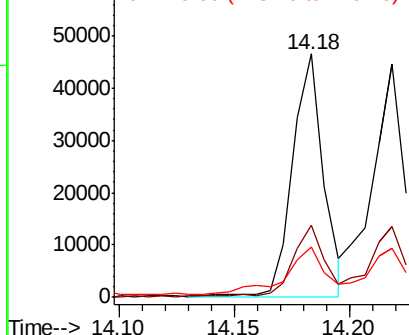
#80
Benzo(a)anthracene
Concen: 2.534 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 43565
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 20.6 15.8 23.6

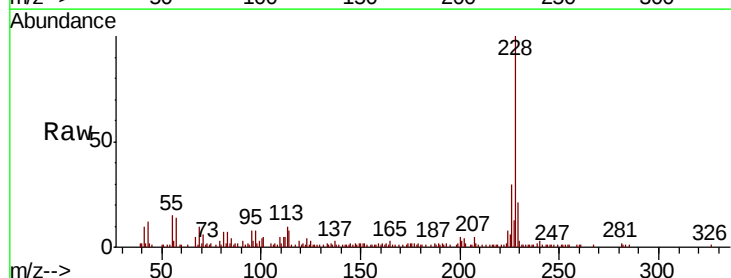


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

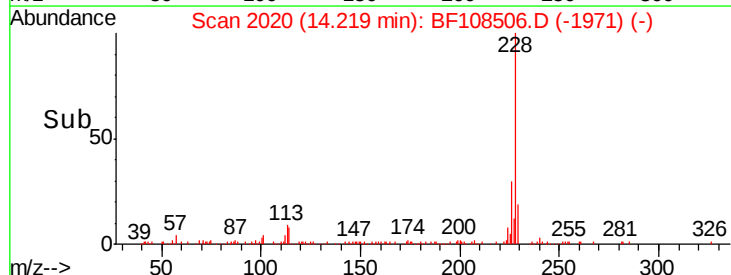
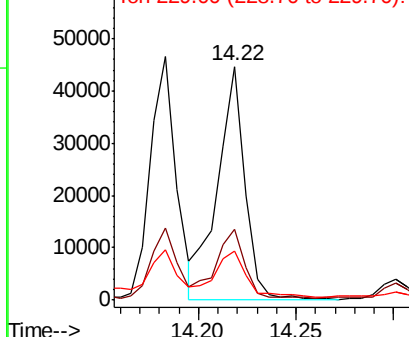


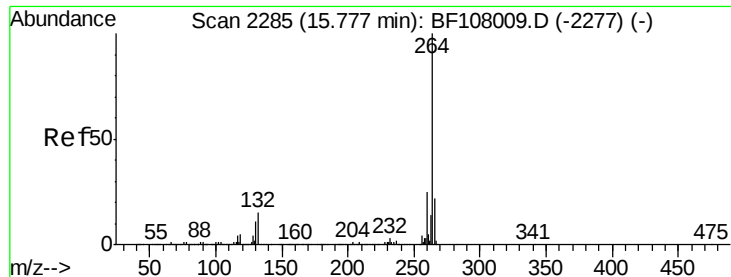
#82
Chrysene
Concen: 2.798 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion:228 Resp: 44095
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.0 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: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampled :

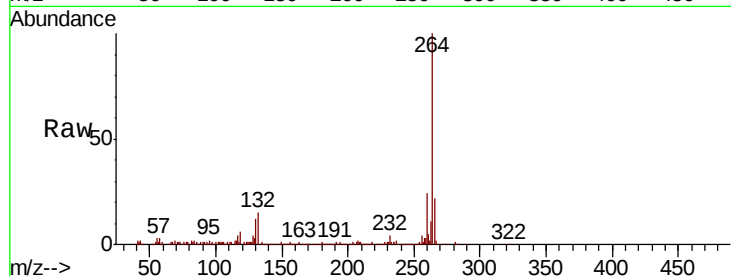
Tot Ion:264 Resp: 288527

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

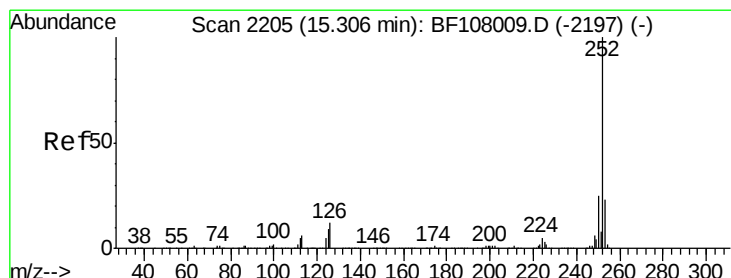
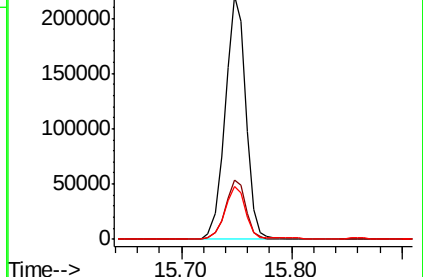
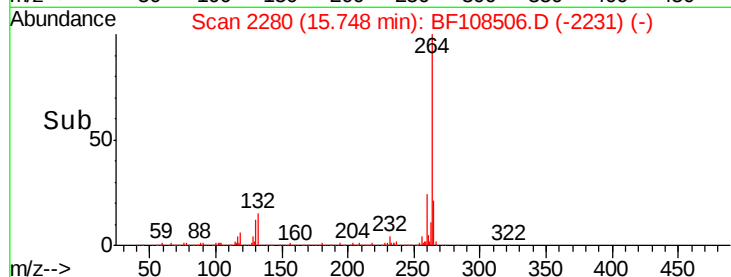
265 21.5 17.5 26.3



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: 3.830 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

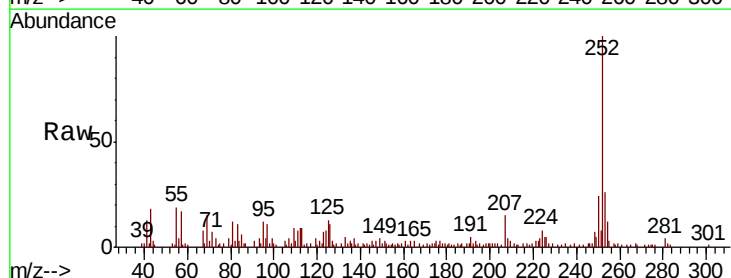
Tgt Ion:252 Resp: 66030

Ion Ratio Lower Upper

252 100

253 25.5 17.0 25.6

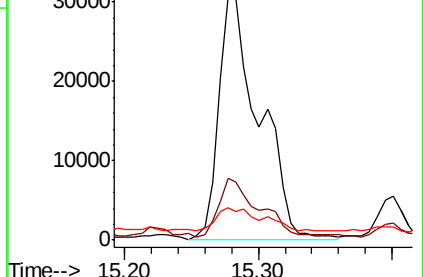
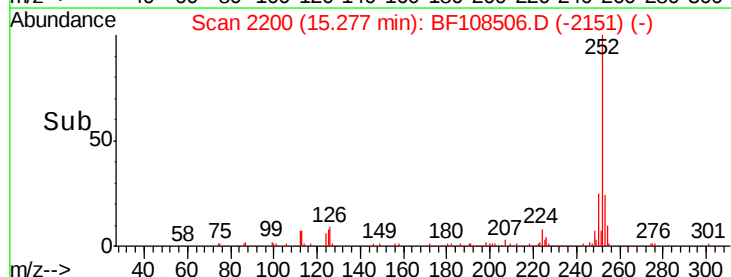
125 13.2 9.0 13.6

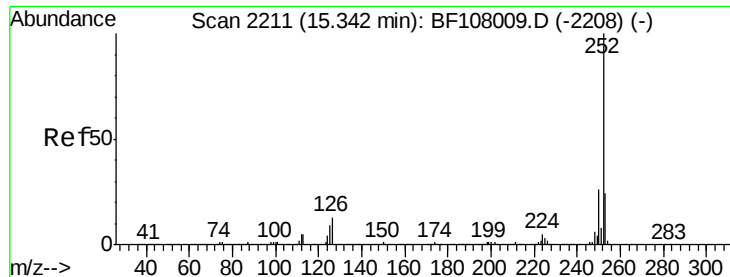


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

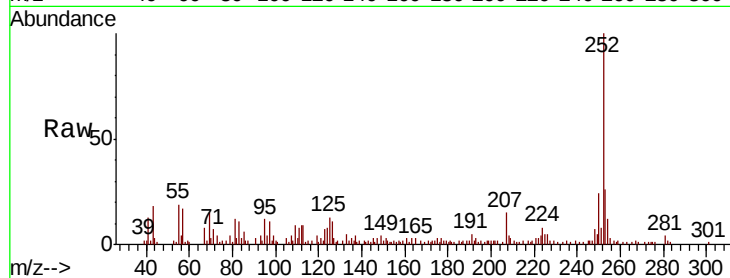




#88
Benzo(k)fluoranthene
Concen: 4.166 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	13.2	10.2	15.2

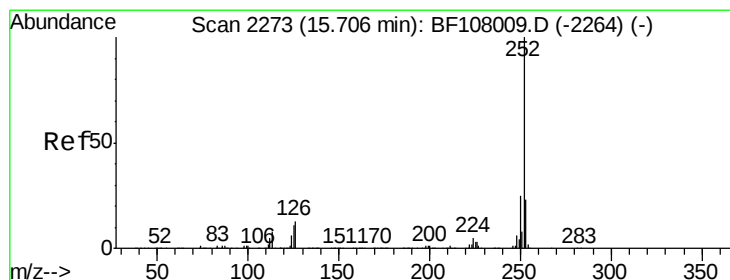
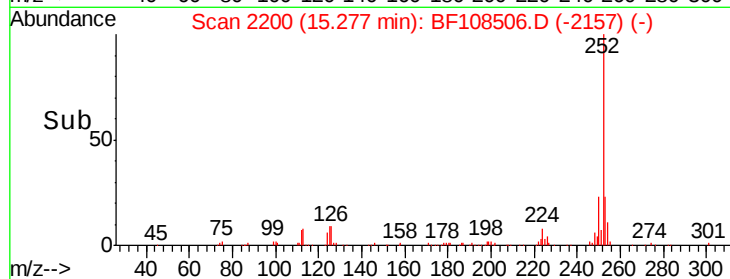
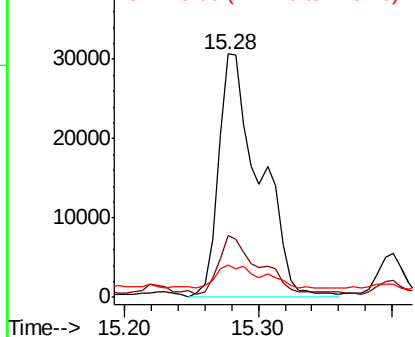


Abundance

Ion 252.00 (251.70 to 252.70): E

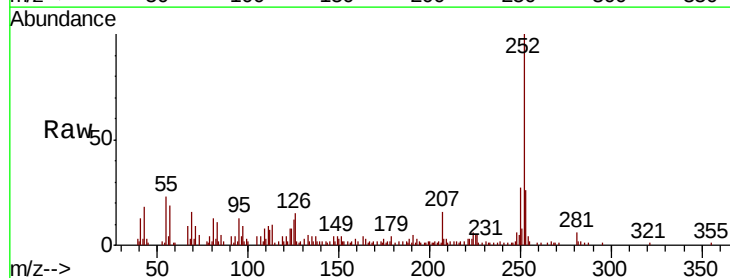
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.390 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	12.1	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

