

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108403.D
 Acq On : 23 Aug 2018 00:21
 Operator : JU/SJ
 Sample : J4499-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 02:18:18 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	164433	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	596153	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	274496	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	449034	20.00	ng	0.00
75) Chrysene-d12	14.19	240	316331	20.00	ng	0.00
86) Perylene-d12	15.75	264	269840	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	700648	77.14	ng	0.00
7) Phenol-d6	6.62	99	940154	77.90	ng	0.00
23) Nitrobenzene-d5	7.56	82	604590	56.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	187713	68.56	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1127084	65.92	ng	0.00
78) Terphenyl-d14	13.12	244	842254	67.70	ng	0.00

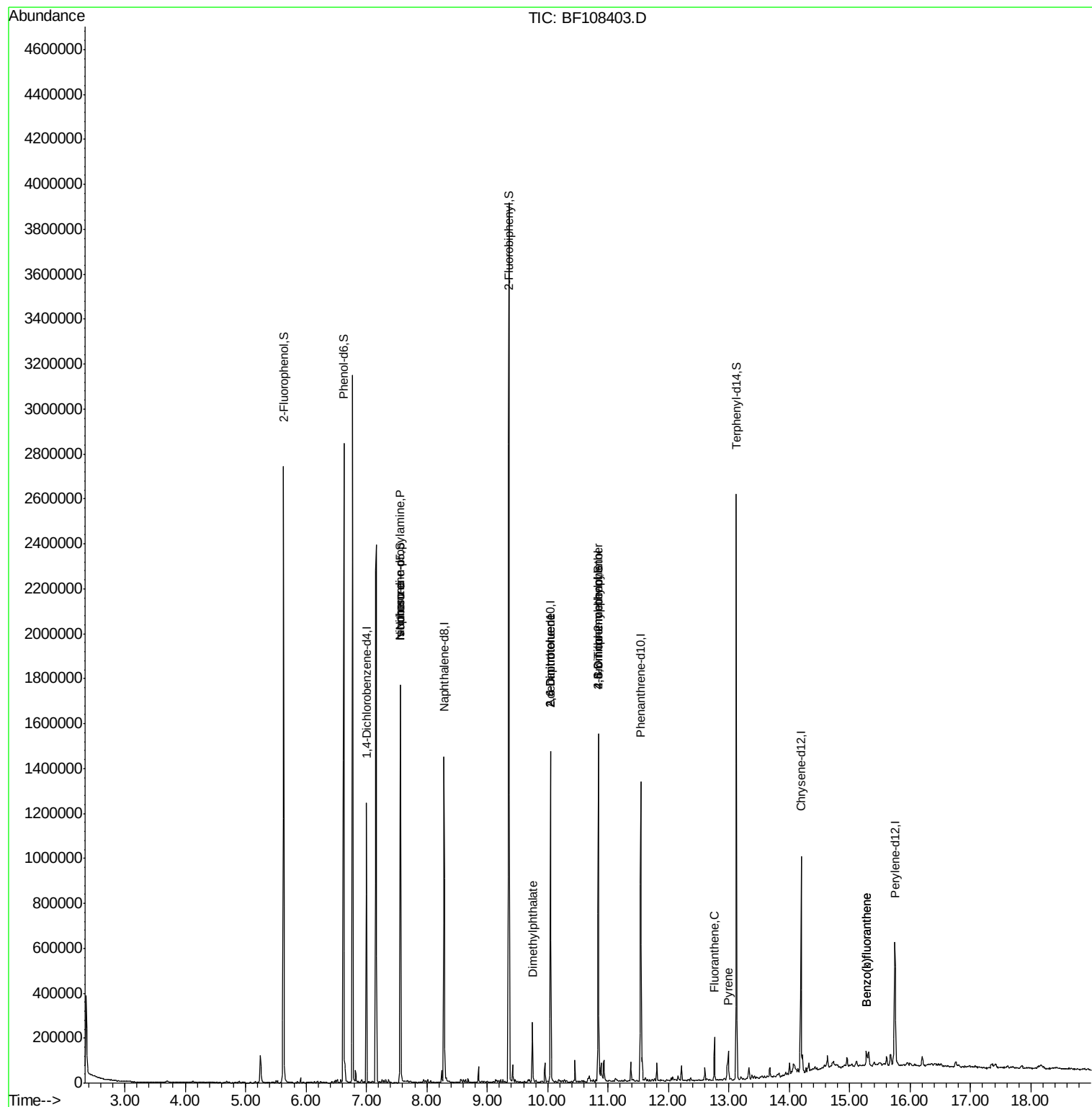
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	82825	10.148	ng	# 81
25) Isophorone	7.56	82	604582	29.690	ng	# 64
49) Dimethylphthalate	9.75	163	102268	5.348	ng	# 99
50) 2,6-Dinitrotoluene	10.05	165	35453	8.862	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	35453	6.885	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	298	5.516	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	12063	2.472	ng	# 1
74) Fluoranthene	12.76	202	72345	3.130	ng	94
77) Pyrene	12.99	202	57631	2.878	ng	99
87) Benzo(b)fluoranthene	15.28	252	50651	3.141	ng	98
88) Benzo(k)fluoranthene	15.28	252	50651	3.417	ng	99

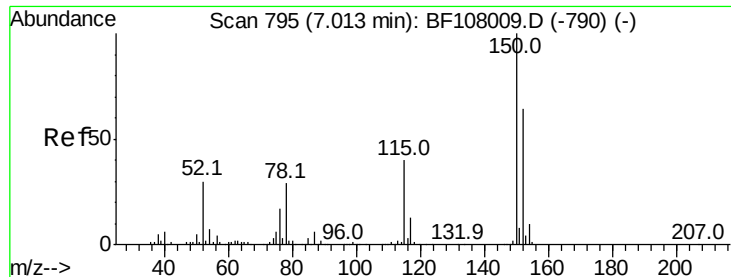
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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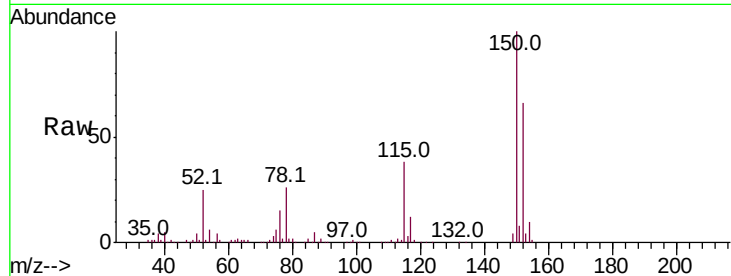


#1

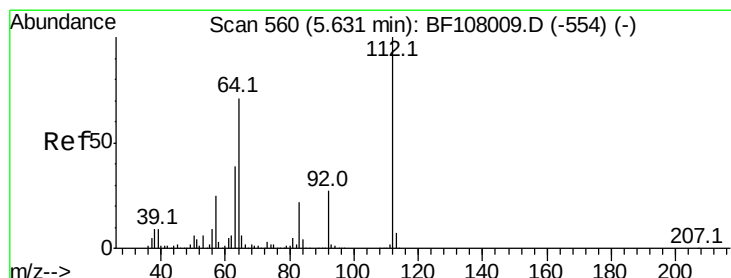
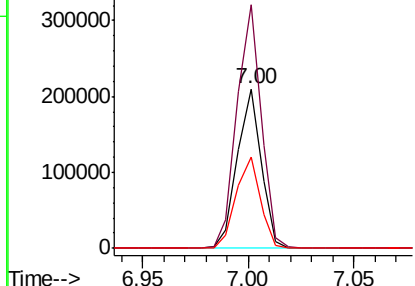
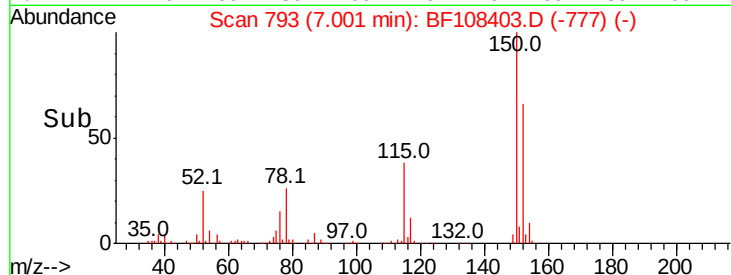
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164433
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 57.5 50.1 75.1



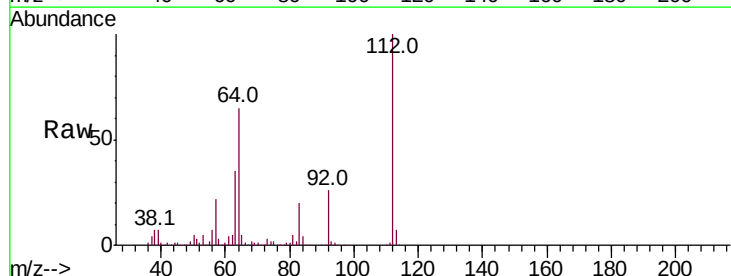
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



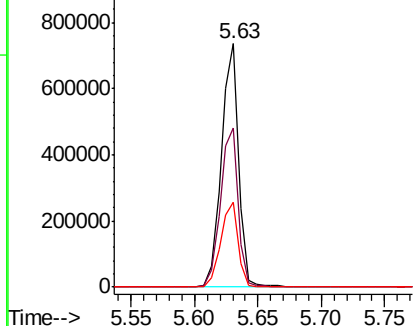
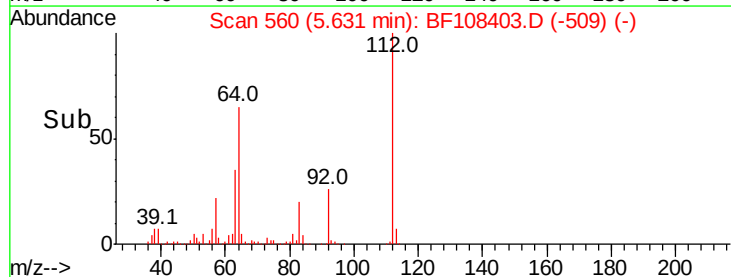
#5

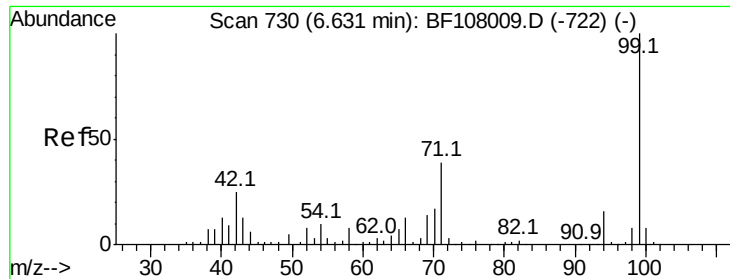
2-Fluorophenol
Concen: 77.143 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion:112 Resp: 700648
Ion Ratio Lower Upper
112 100
64 65.1 47.9 71.9
63 34.9 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: 77.896 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

Instrument :

BNA_F

ClientSampleId :

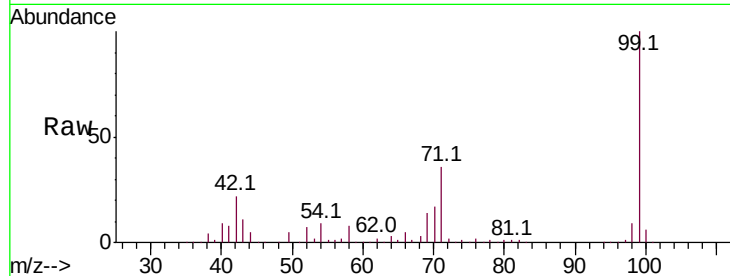
Tot Ion: 99 Resp: 940154

Ion Ratio Lower Upper

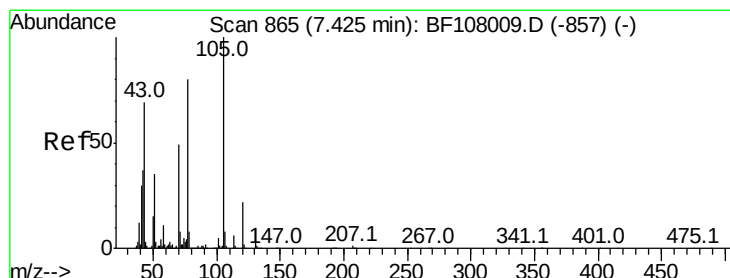
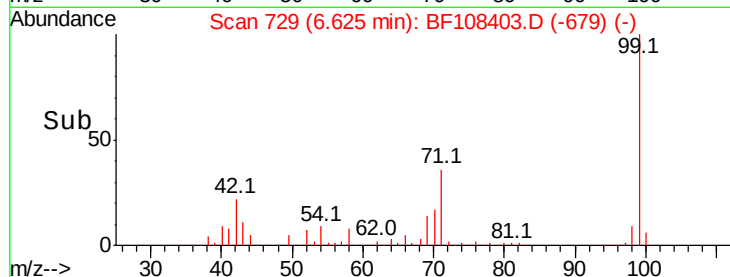
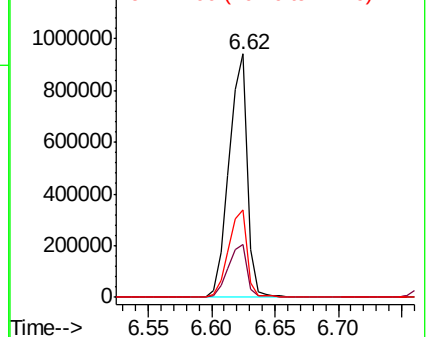
99 100

42 21.7 14.5 21.7

71 36.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.148 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

Tgt Ion: 70 Resp: 82825

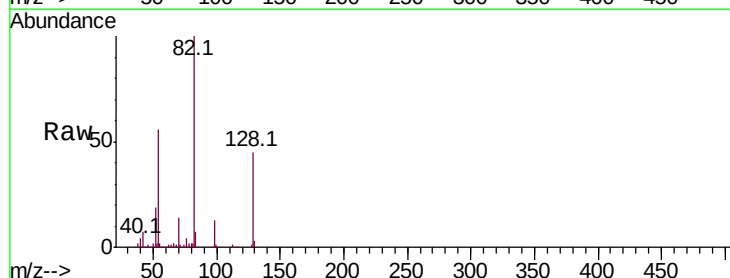
Ion Ratio Lower Upper

70 100

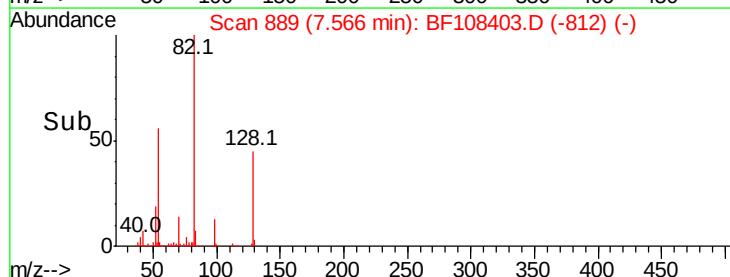
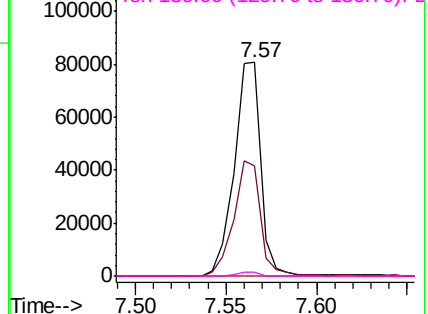
42 51.3 47.5 71.3

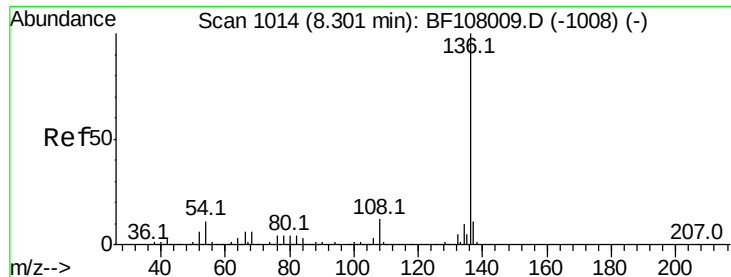
101 0.0 7.4 11.2#

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

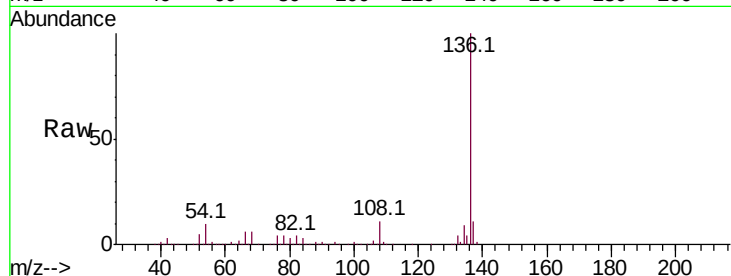




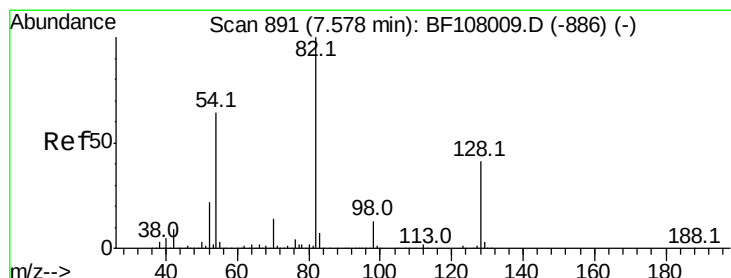
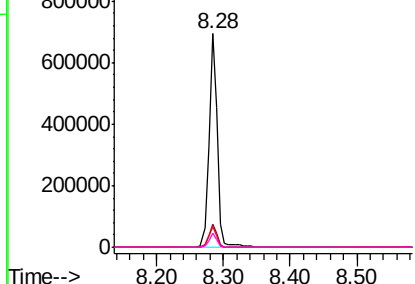
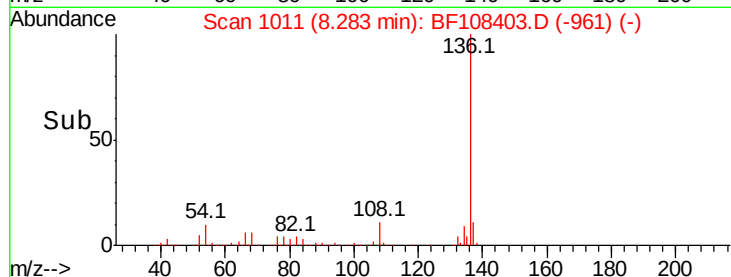
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	596153
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	9.8	6.6 9.8#
68	6.4	5.0 7.4

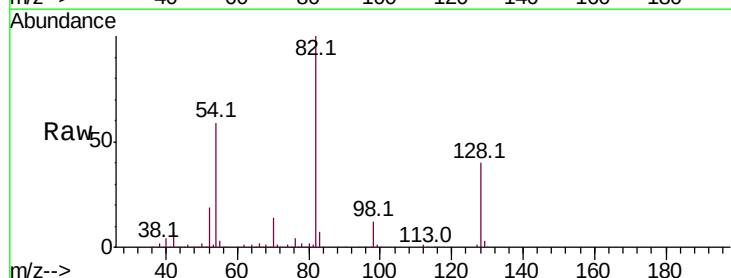


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

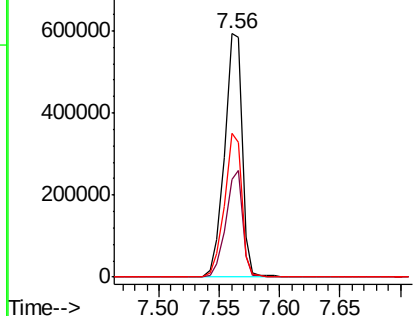
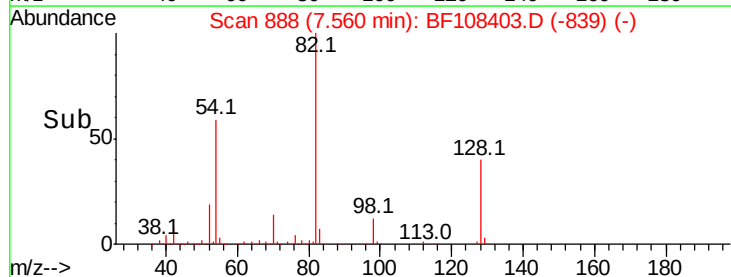


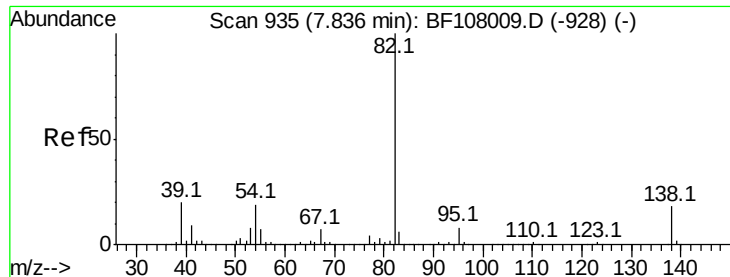
#23
Nitrobenzene-d5
Concen: 56.591 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion: 82	Resp:	604590
Ion	Ratio	Lower Upper
82	100	
128	40.2	36.1 54.1
54	58.8	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: 29.690 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

Instrument :

BNA_F

ClientSampleId :

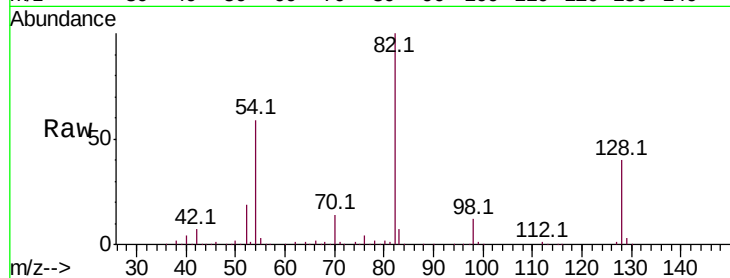
Tot Ion: 82 Resp: 604582

Ion Ratio Lower Upper

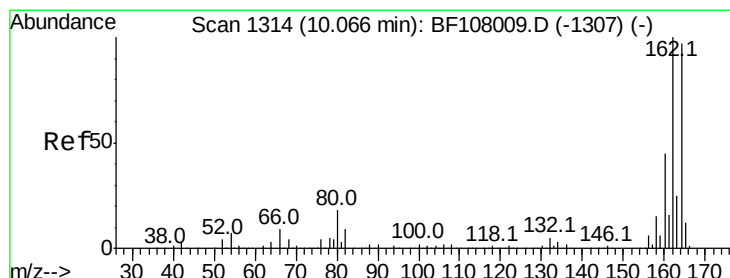
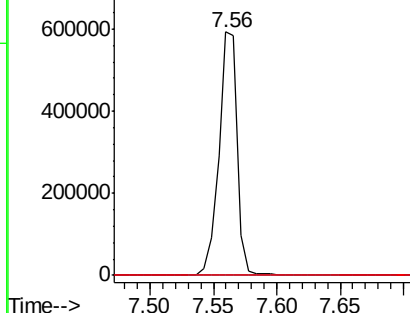
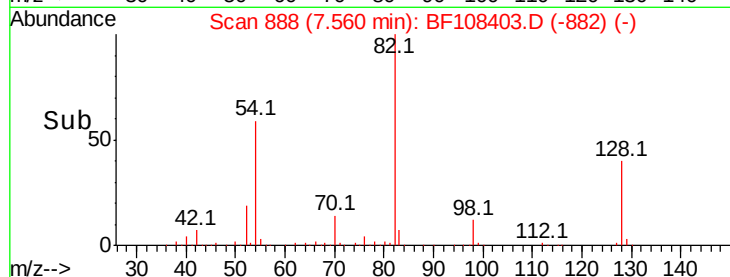
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

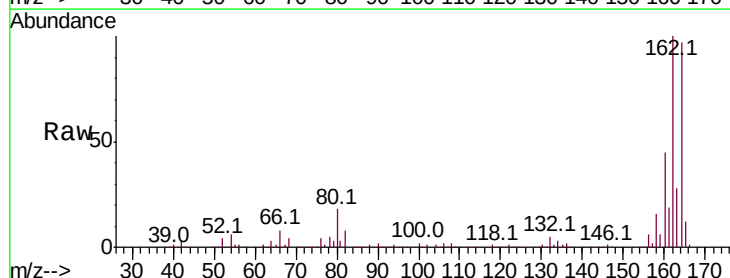
Tgt Ion:164 Resp: 274496

Ion Ratio Lower Upper

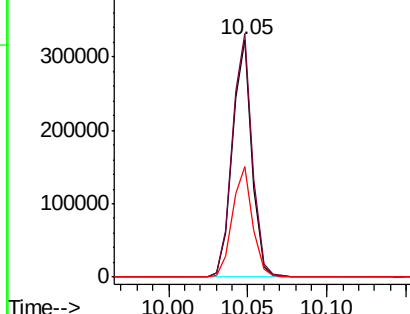
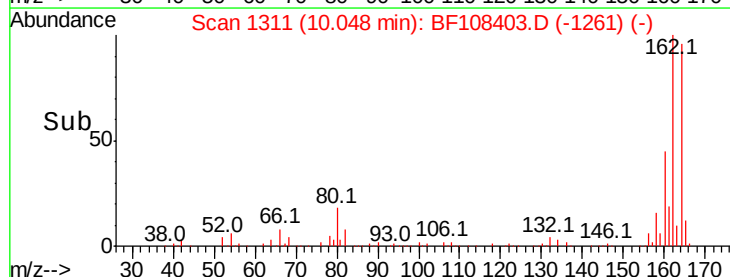
164 100

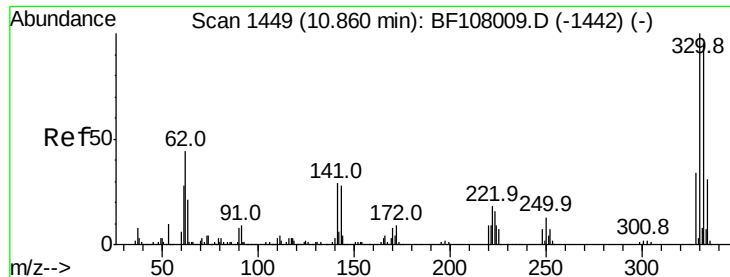
162 102.7 86.1 129.1

160 46.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
400000
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

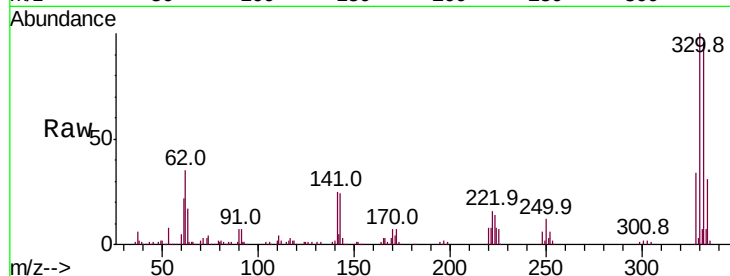




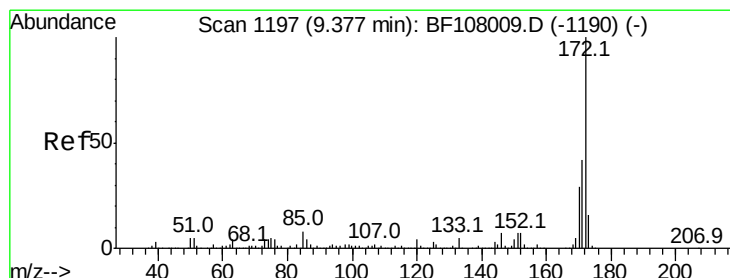
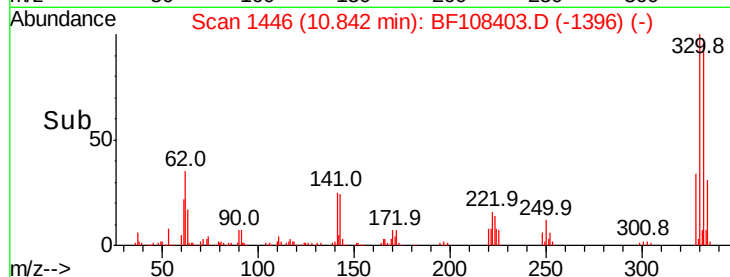
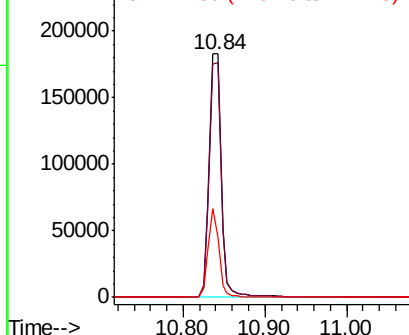
#41
 2,4,6-Tribromophenol
 Concen: 68.558 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108403.D
 Acq: 23 Aug 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 187713
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 32.6 29.9 44.9

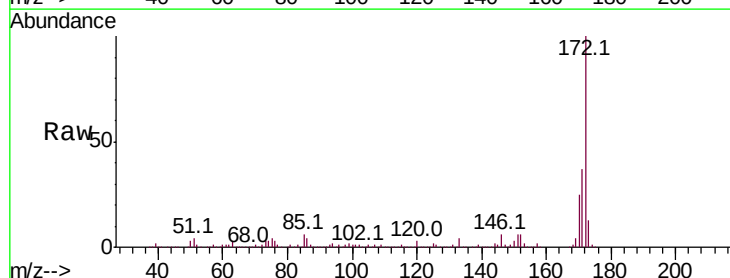


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

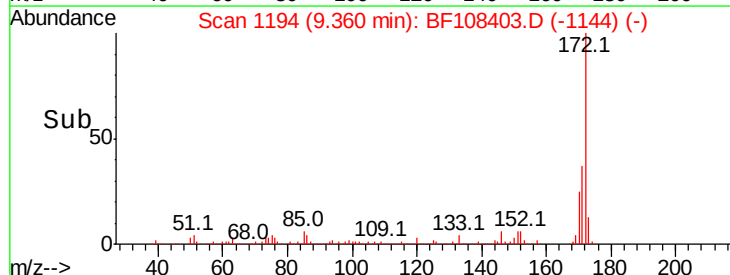
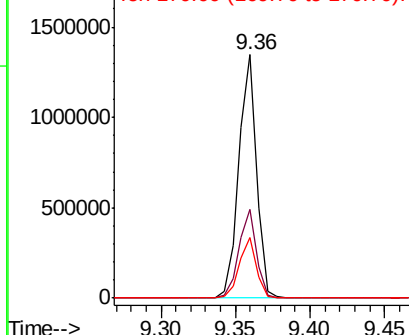


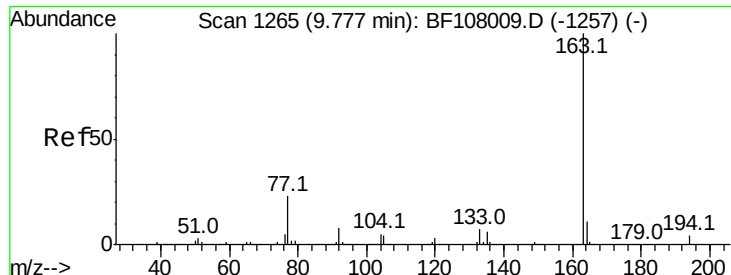
#44
 2-Fluorobiphenyl
 Concen: 65.921 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108403.D
 Acq: 23 Aug 2018 00:21

Tgt Ion:172 Resp: 1127084
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.8 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

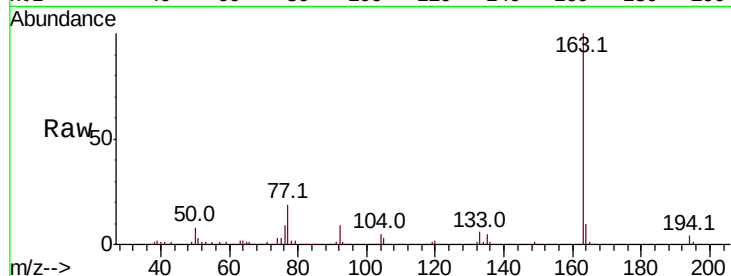




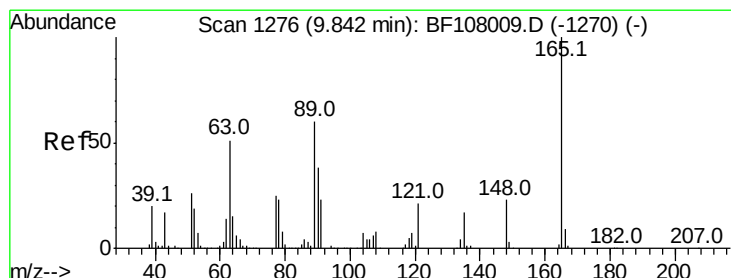
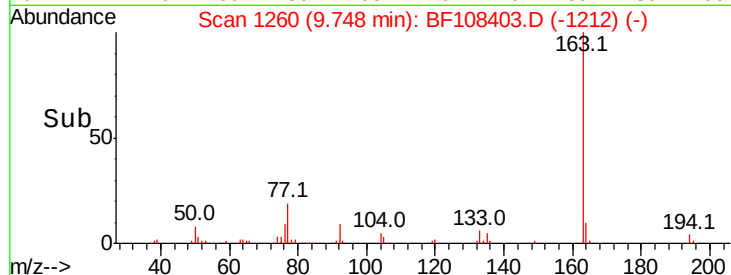
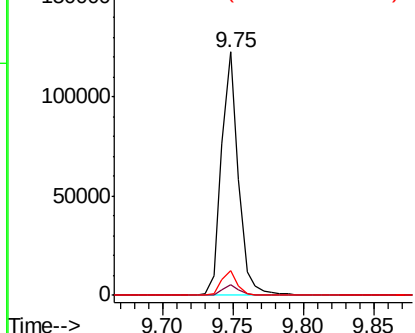
#49
Dimethylphthalate
Concen: 5.348 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.1	8.2	12.2

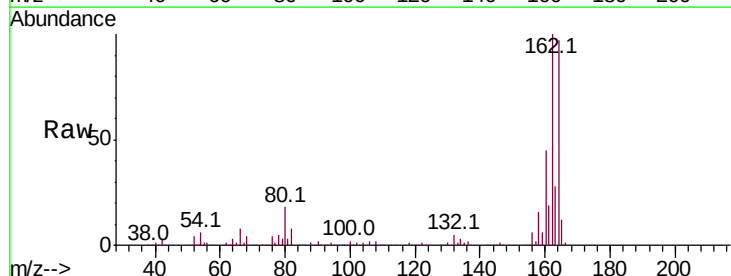


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

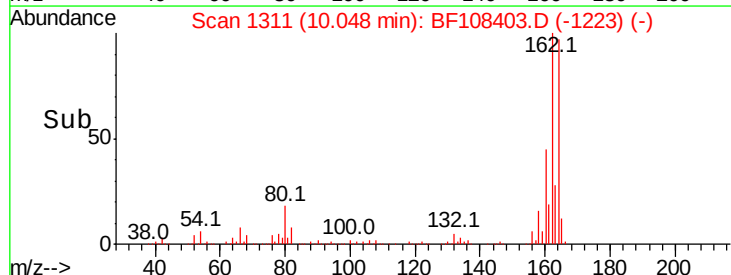
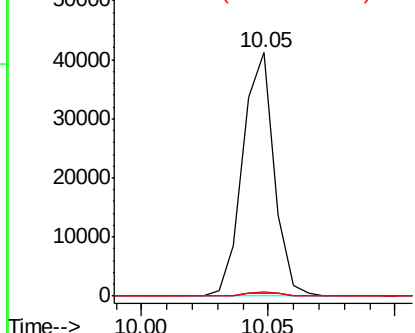


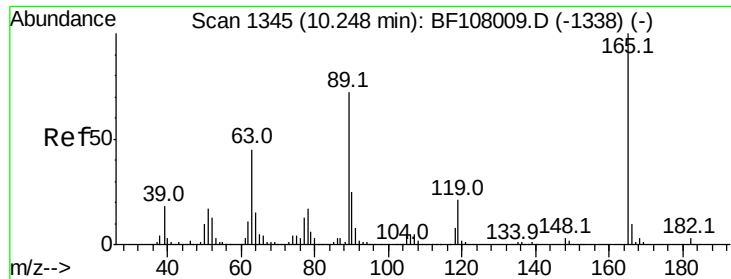
#50
2,6-Dinitrotoluene
Concen: 8.862 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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

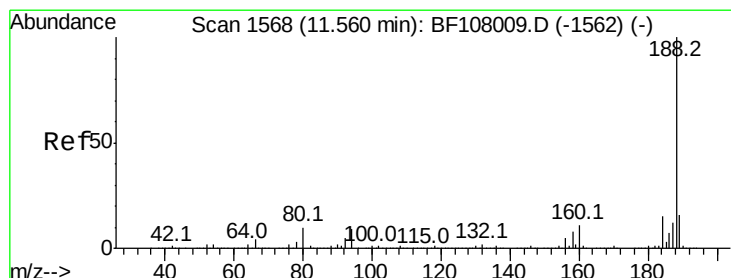
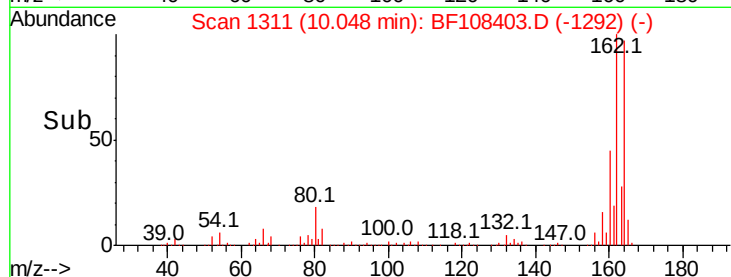
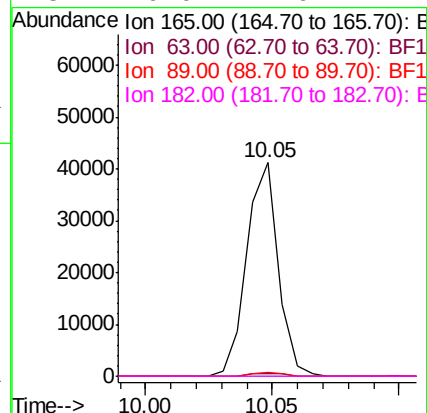
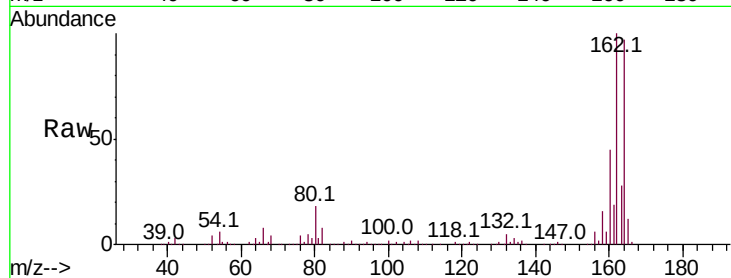




#56
2,4-Dinitrotoluene
Concen: 6.885 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.19 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

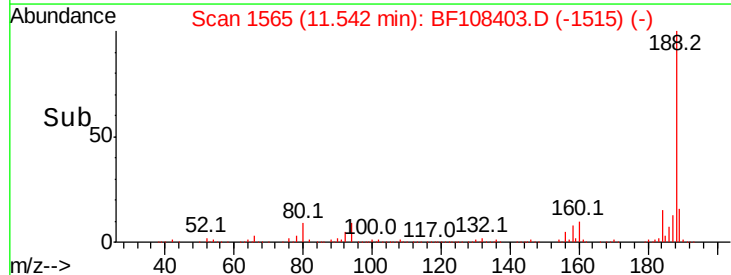
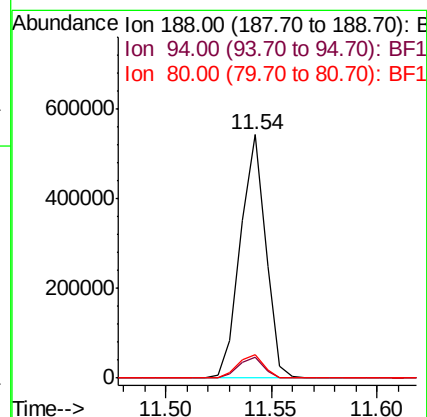
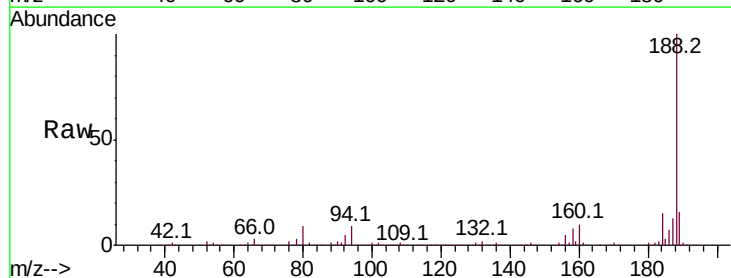
Instrument :
BNA_F
ClientSampleId :

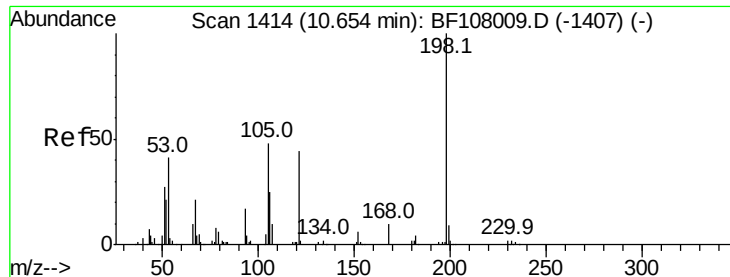
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	9.5	9.2	13.8

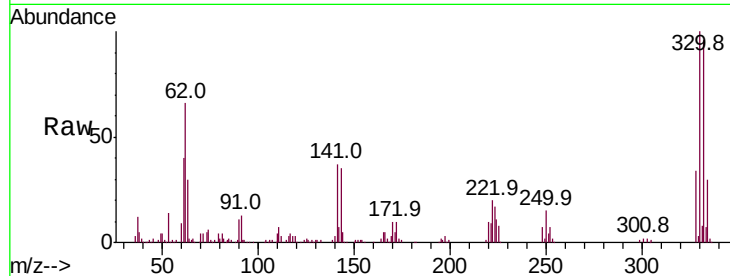




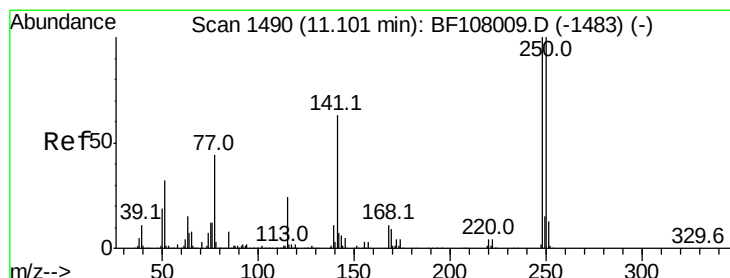
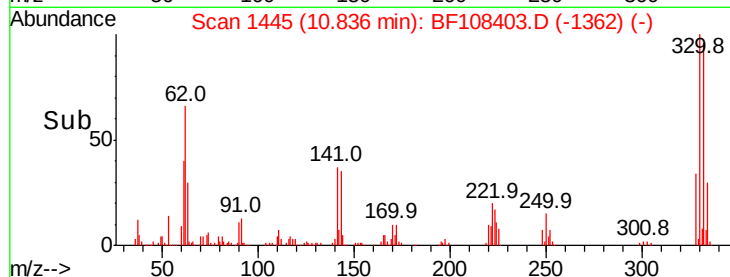
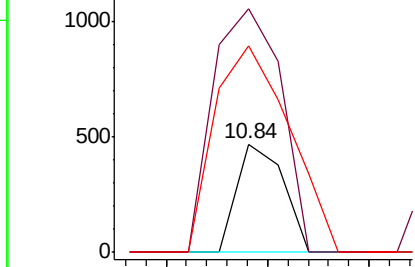
#64
4,6-Dinitro-2-methylphenol
Concen: 5.516 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 298
Ion Ratio Lower Upper
198 100
51 225.3 37.7 77.7#
105 190.8 36.3 76.3#

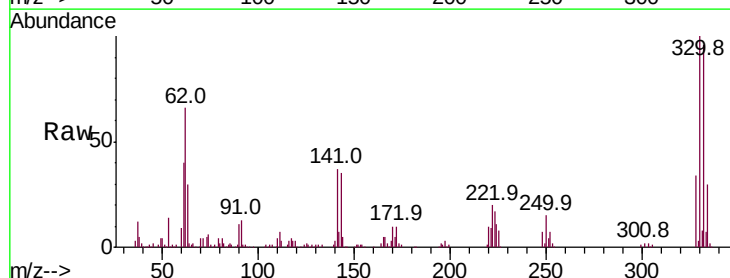


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

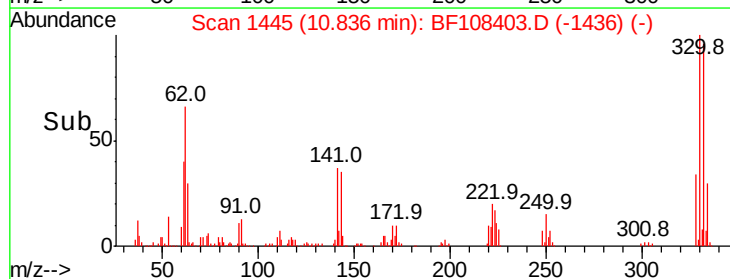
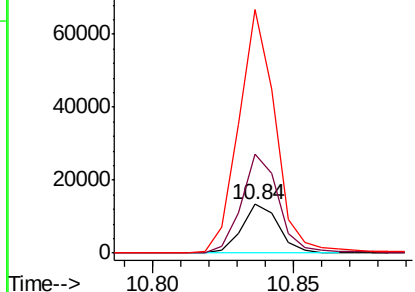


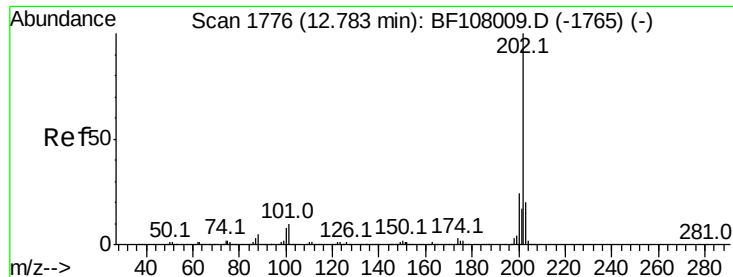
#66
4-Bromophenyl-phenylether
Concen: 2.472 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion:248 Resp: 12063
Ion Ratio Lower Upper
248 100
250 202.1 76.9 115.3#
141 497.4 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

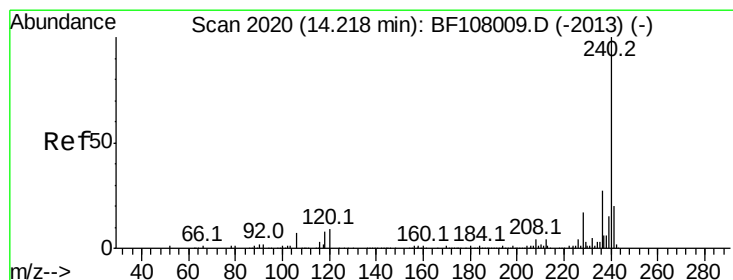
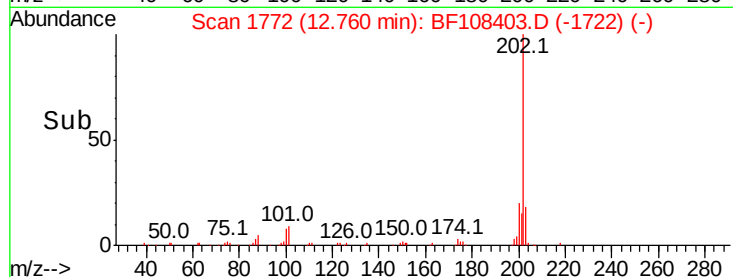
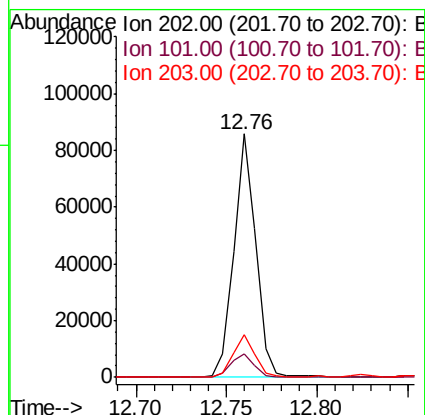
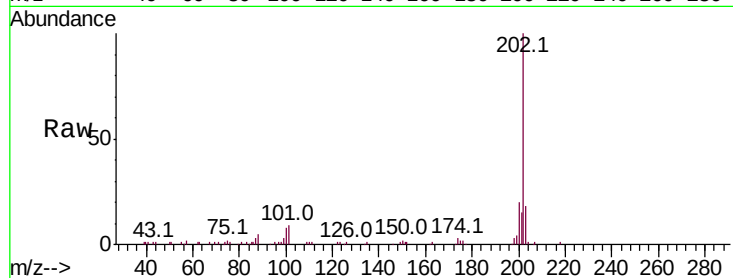




#74
Fluoranthene
Concen: 3.130 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

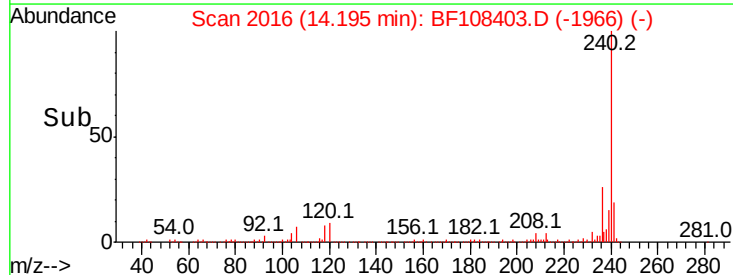
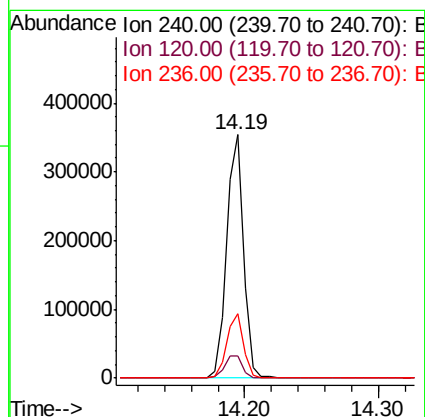
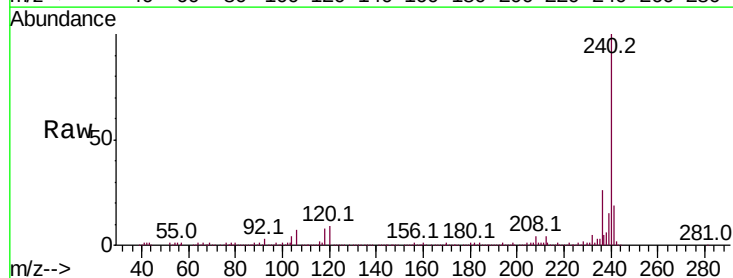
Instrument :
BNA_F
ClientSampled :

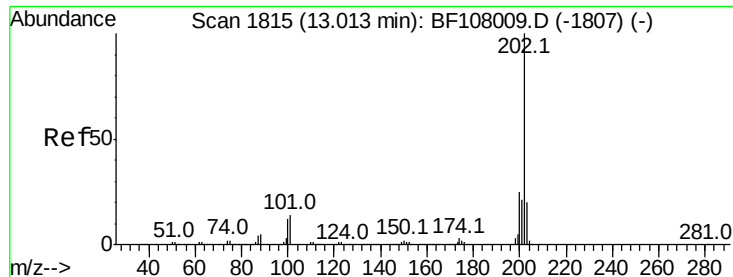
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	17.7	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.3	20.7	31.1





#77

Pvrene

Concen: 2.878 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

Instrument :

BNA_F

ClientSampleId :

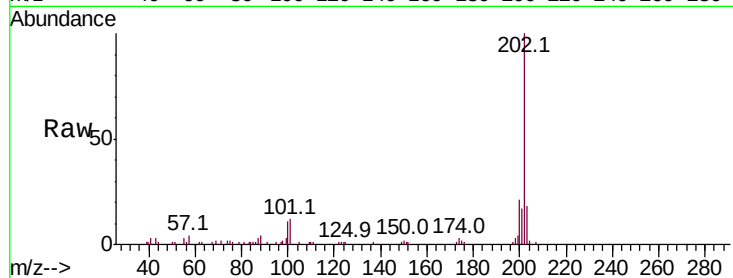
Tot Ion:202 Resp: 57631

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

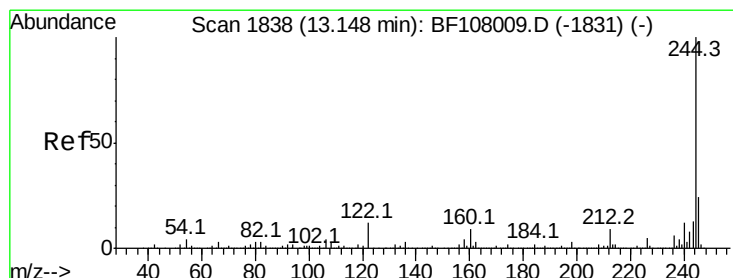
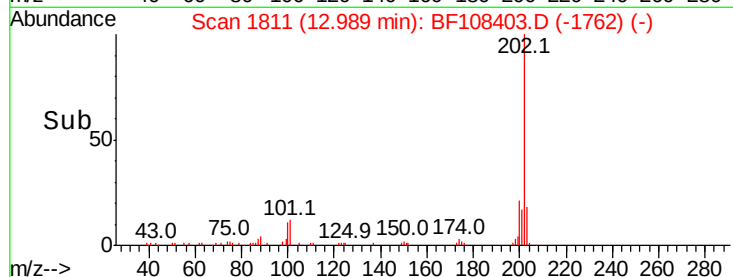
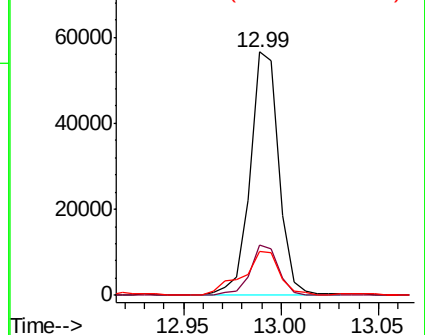
203 18.0 14.3 21.5



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: 67.698 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108403.D

Acq: 23 Aug 2018 00:21

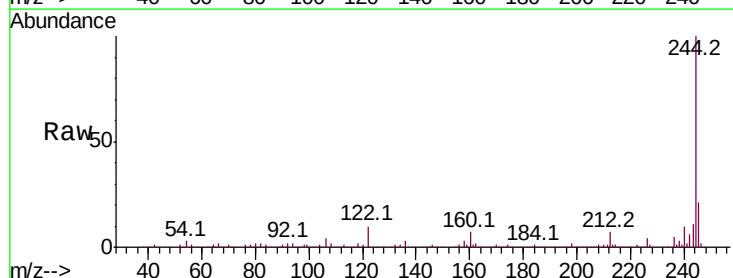
Tgt Ion:244 Resp: 842254

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

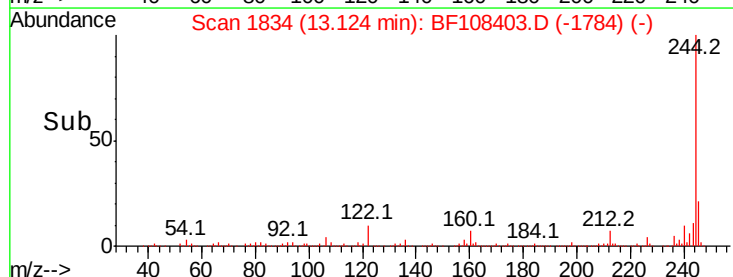
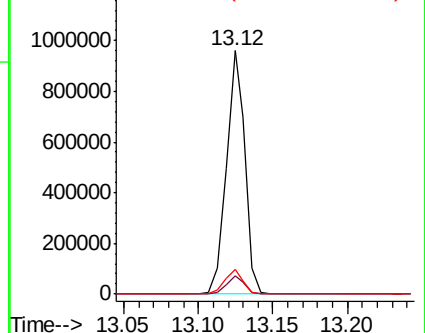
122 10.3 11.0 16.4#

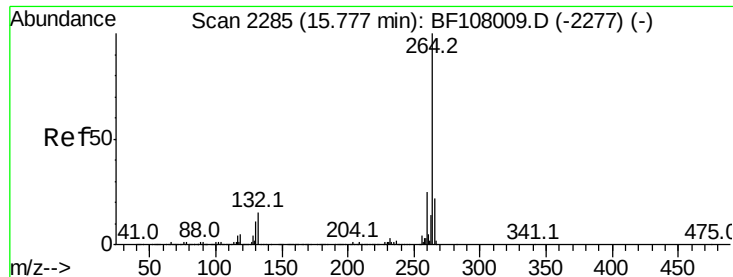


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

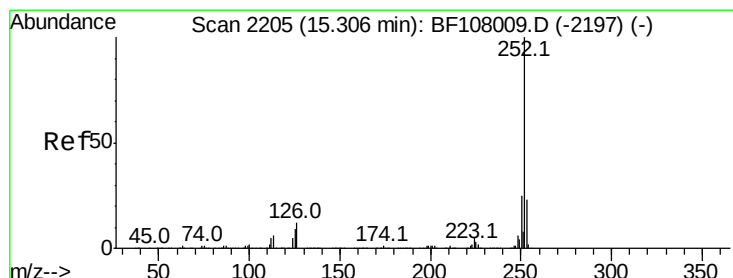
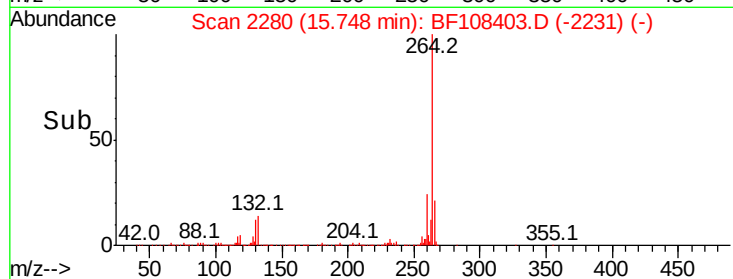
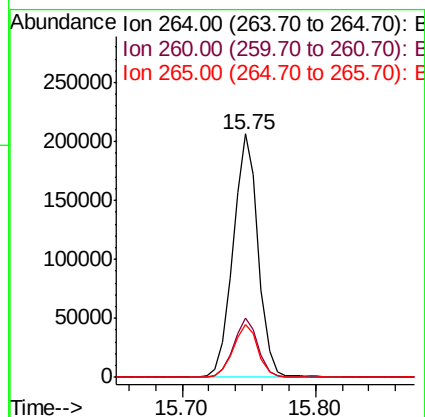
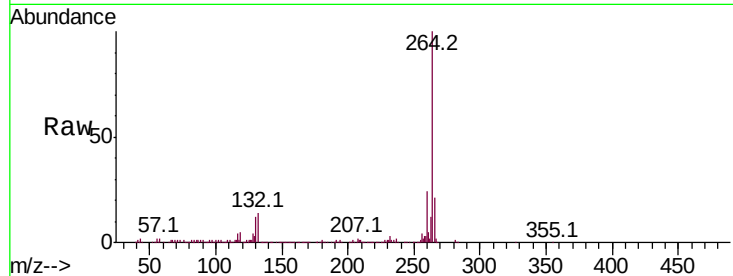




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

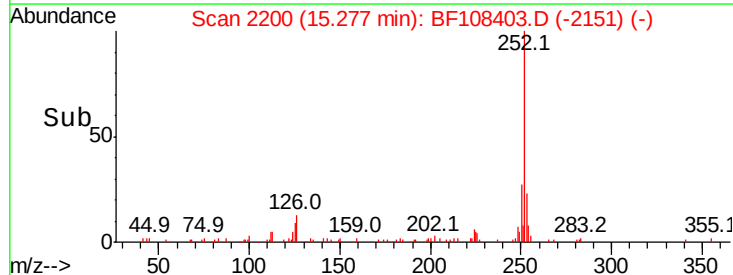
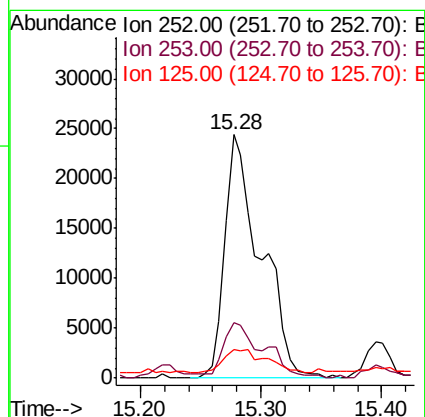
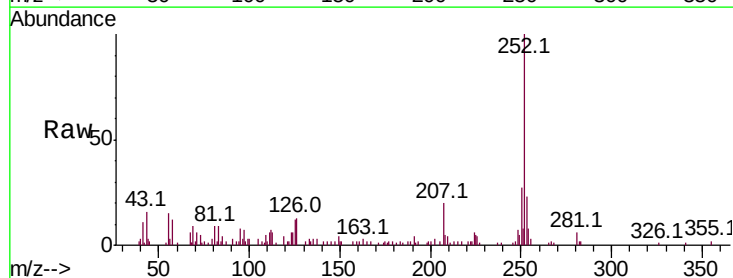
Instrument :
BNA_F
ClientSampled :

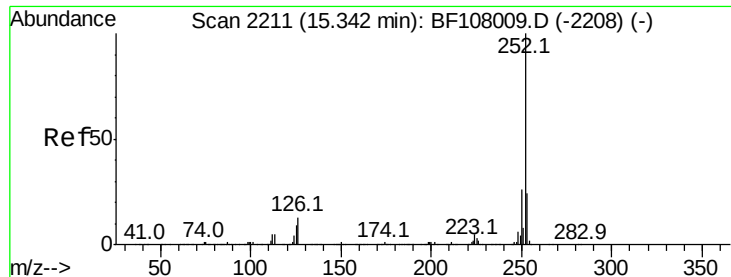
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.141 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108403.D
Acq: 23 Aug 2018 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.6	9.0	13.6

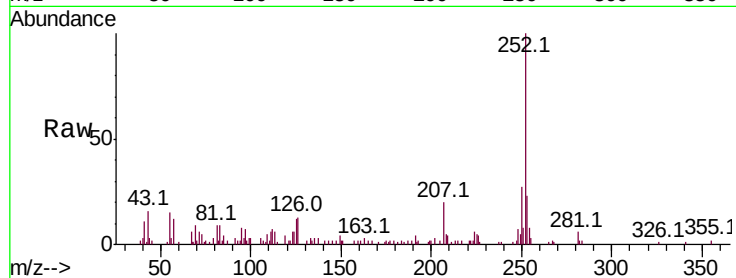




#88
 Benzo(k)fluoranthene
 Concen: 3.417 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF108403.D
 Acq: 23 Aug 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.6	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

