

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108388.D
 Acq On : 22 Aug 2018 17:33
 Operator : JU/SJ
 Sample : J4569-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 02:15:39 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

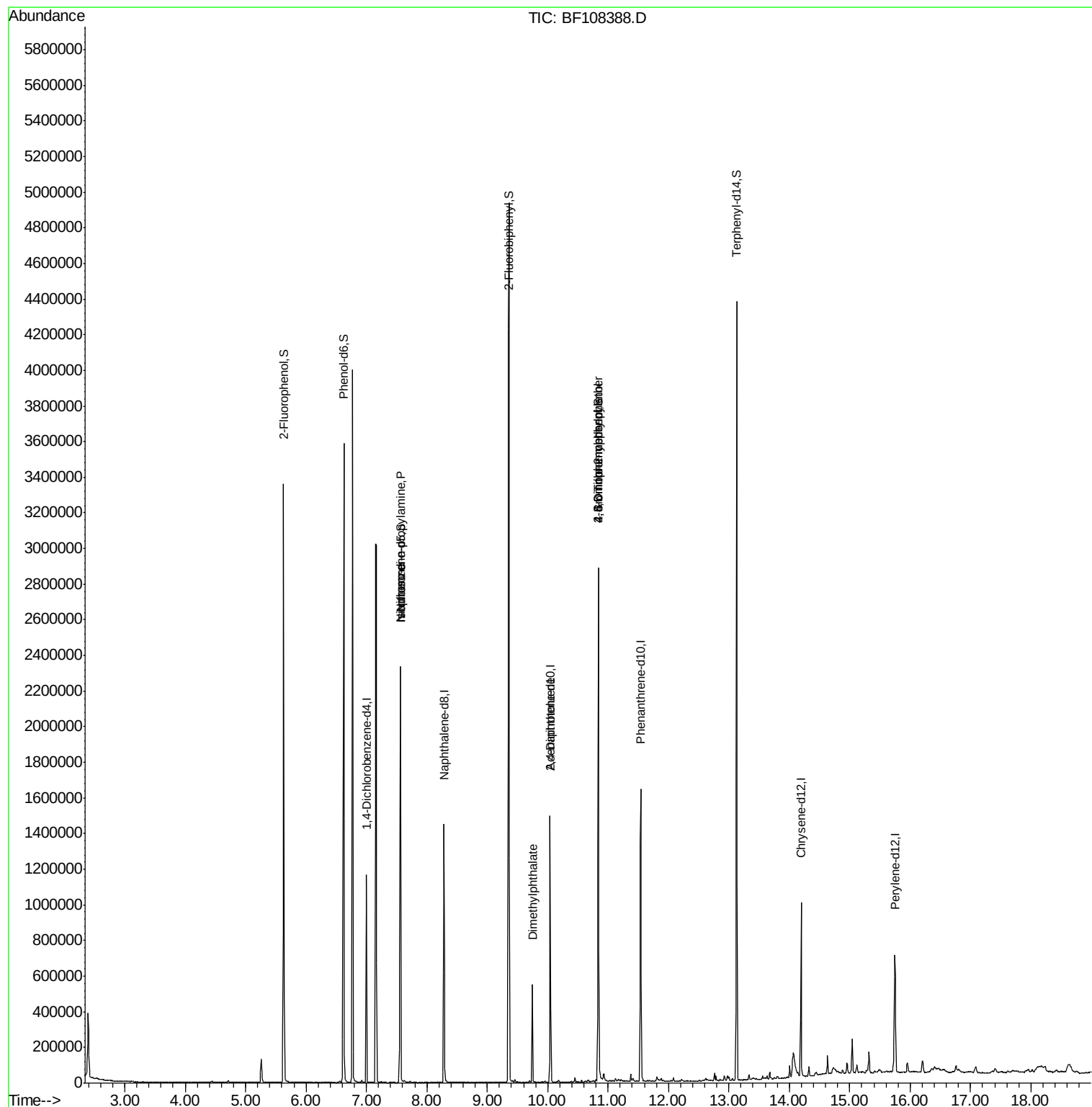
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	163936	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	616485	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	313941	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	586877	20.00	ng	0.00
75) Chrysene-d12	14.20	240	335053	20.00	ng	0.00
86) Perylene-d12	15.75	264	322243	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	945333	104.40	ng	0.00
7) Phenol-d6	6.62	99	1271740	105.69	ng	0.00
23) Nitrobenzene-d5	7.57	82	855717	77.46	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	381300	121.76	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1608151	82.24	ng	0.00
78) Terphenyl-d14	13.13	244	1480699	112.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	116418	14.307	ng	# 82
25) Isophorone	7.57	82	853769	40.544	ng	# 64
49) Dimethylphthalate	9.75	163	216255	9.889	ng	# 98
56) 2,4-Dinitrotoluene	10.04	165	39763	6.752	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	803	5.682	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	24636	3.863	ng	# 1

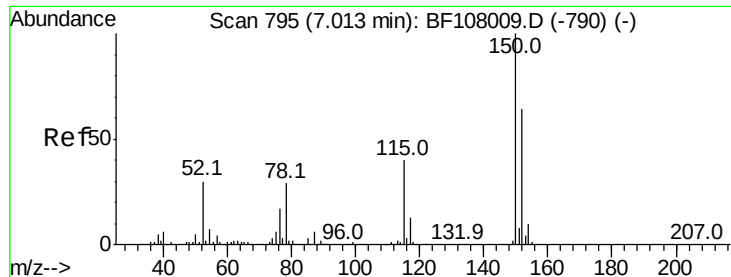
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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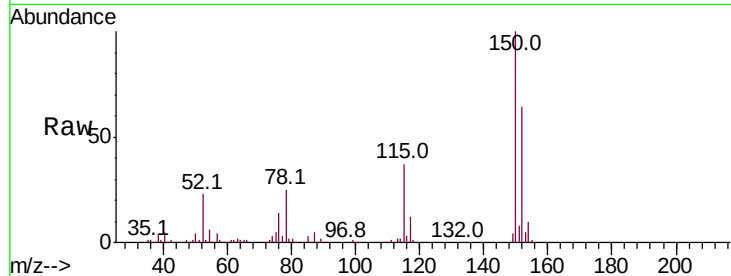


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	57.1	50.1	75.1

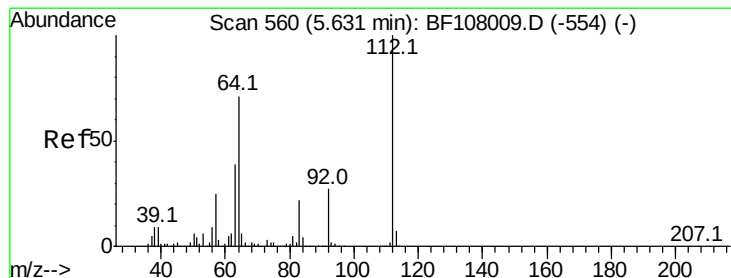
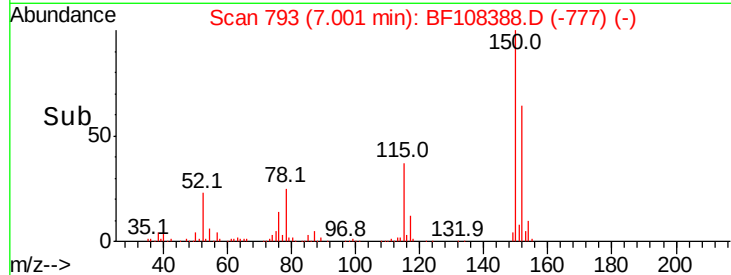
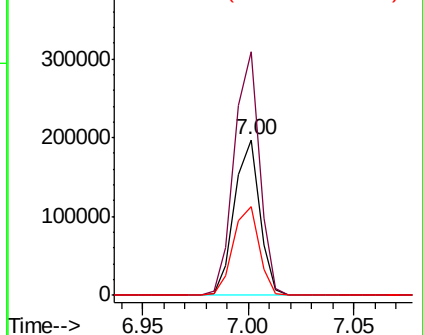


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

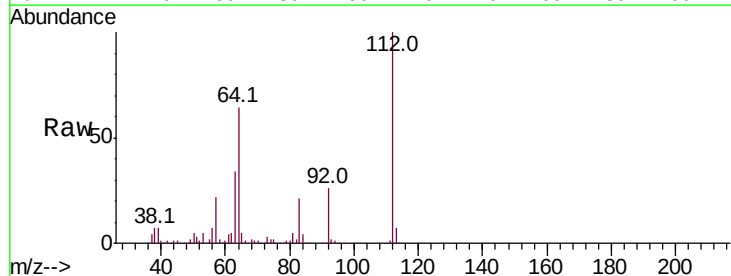
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.399 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	47.9	71.9
63	33.7	23.7	35.5

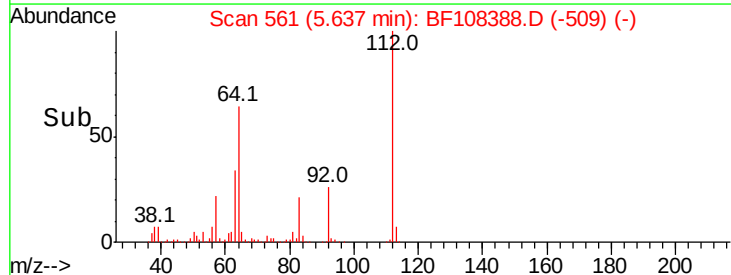
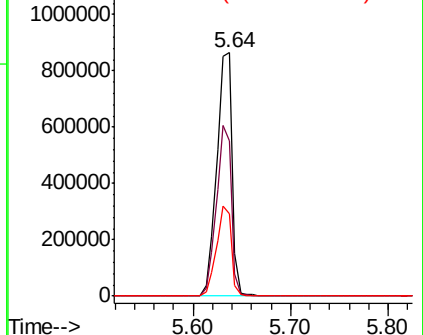


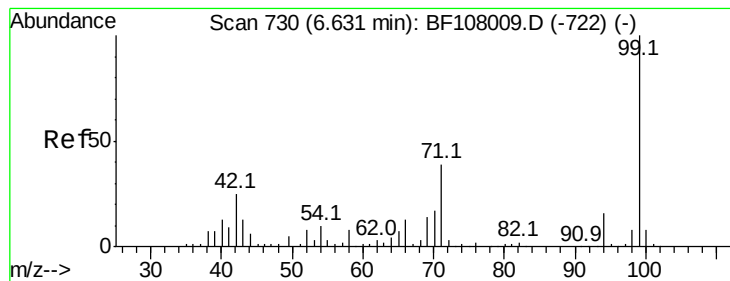
Abundance

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: 105.689 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

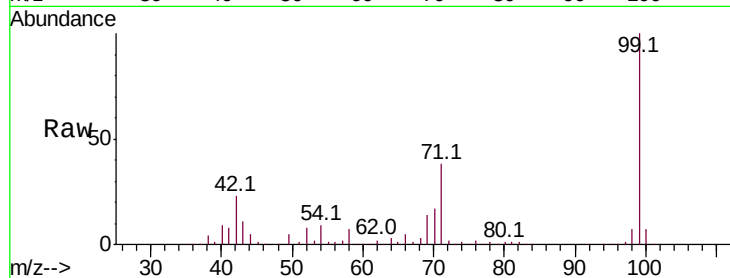
Instrument :

BNA_F

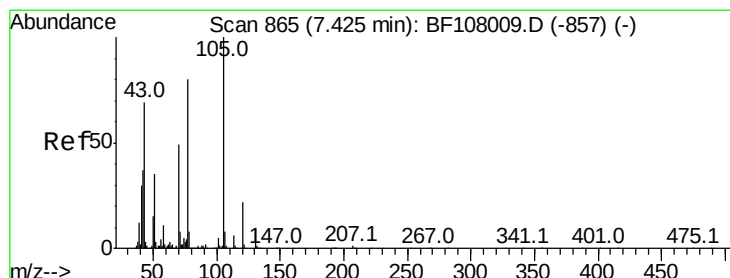
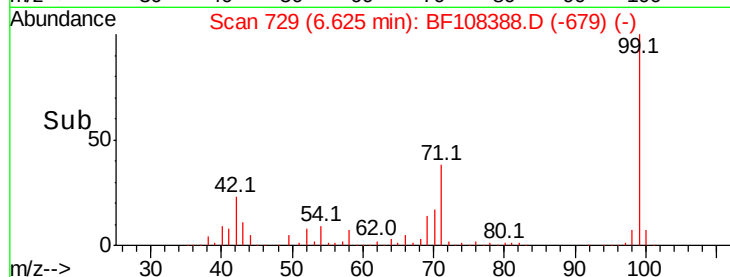
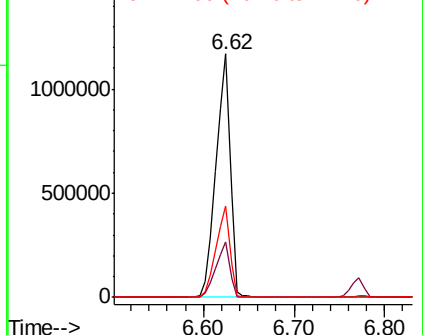
ClientSampleId :

Tot Ion: 99 Resp: 1271740

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.5	21.7#
71	37.6	25.4	38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.307 ng

RT: 7.57 min Scan# 889

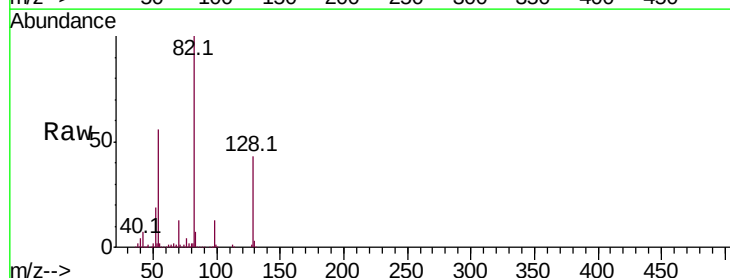
Delta R.T. 0.15 min

Lab File: BF108388.D

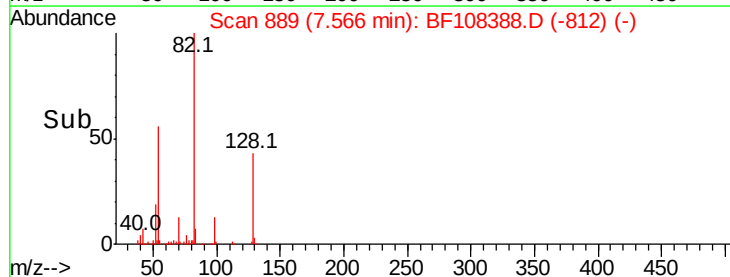
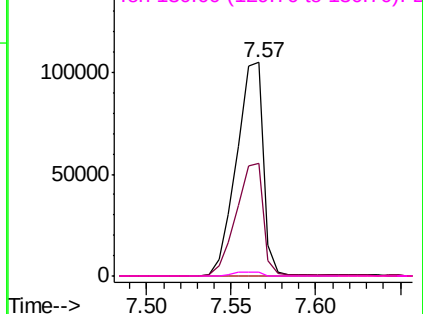
Acq: 22 Aug 2018 17:33

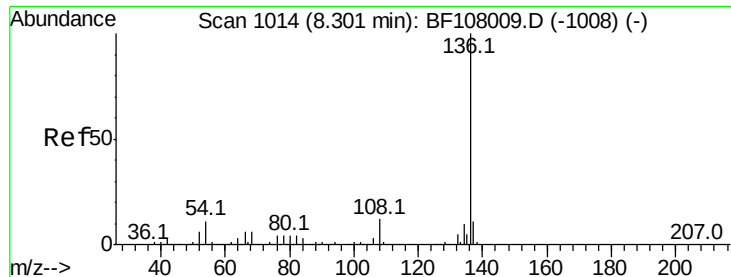
Tgt Ion: 70 Resp: 116418

Ion	Ratio	Lower	Upper
70	100		
42	52.8	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	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

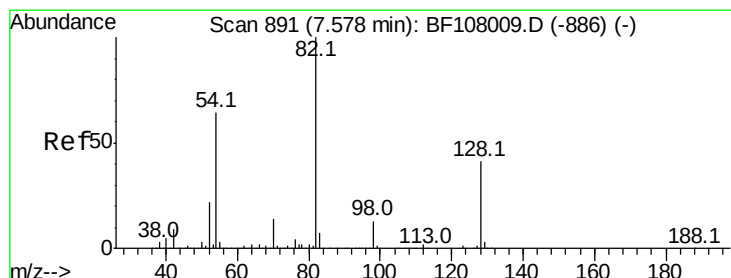
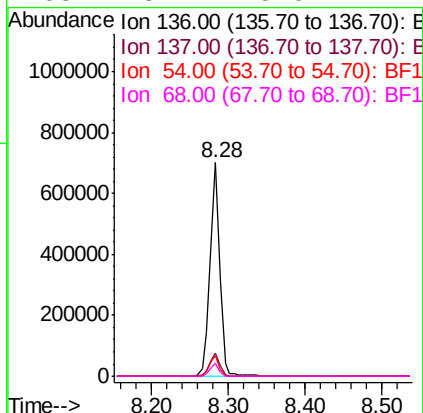
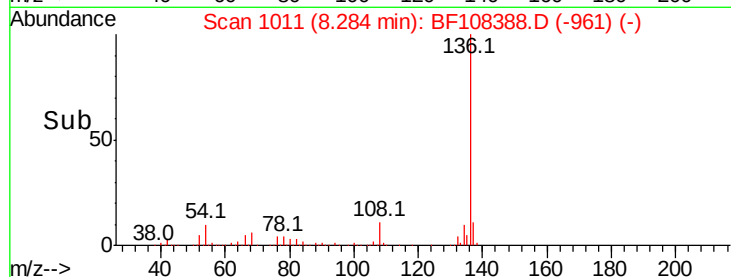
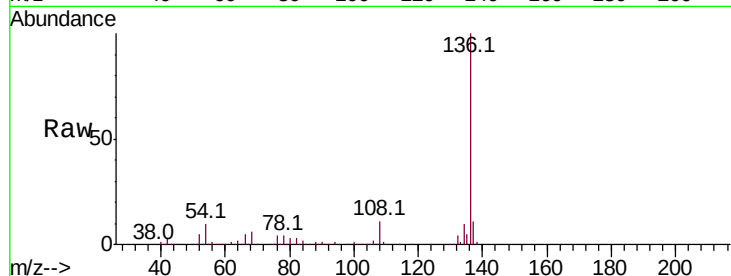




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

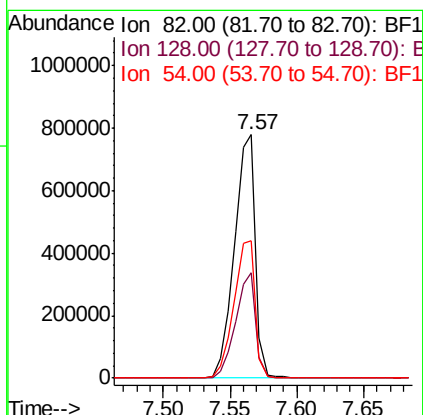
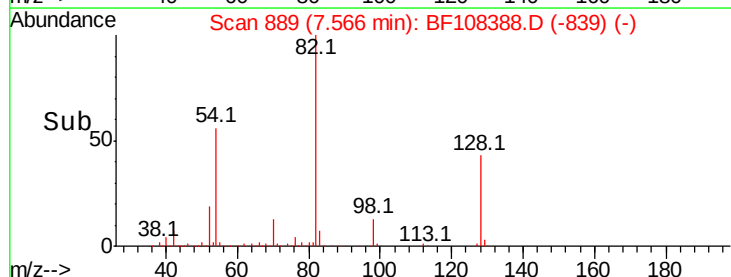
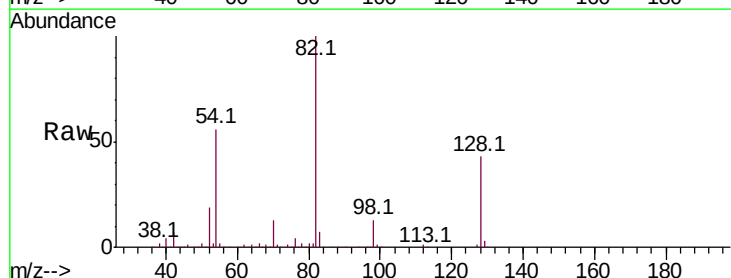
Instrument :
BNA_F
ClientSampleId :

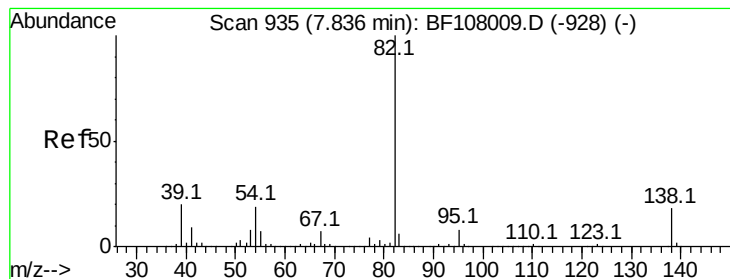
Tot Ion:	136	Resp:	616485
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.6	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 77.456 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

Tgt Ion:	82	Resp:	855717
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	56.3	41.4	62.2





#25

Isophorone

Concen: 40.544 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

Instrument :

BNA_F

ClientSampled :

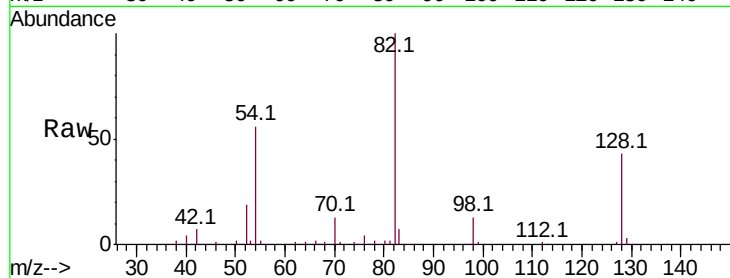
Tot Ion: 82 Resp: 853769

Ion Ratio Lower Upper

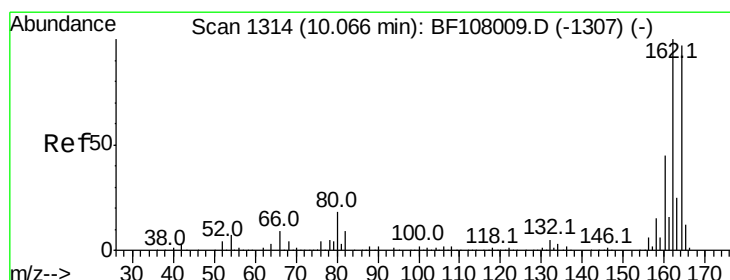
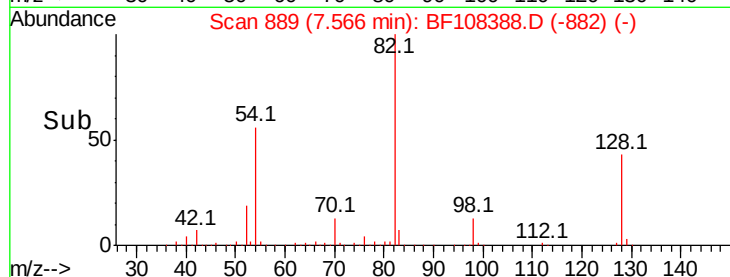
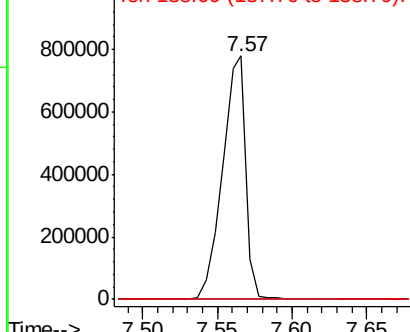
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

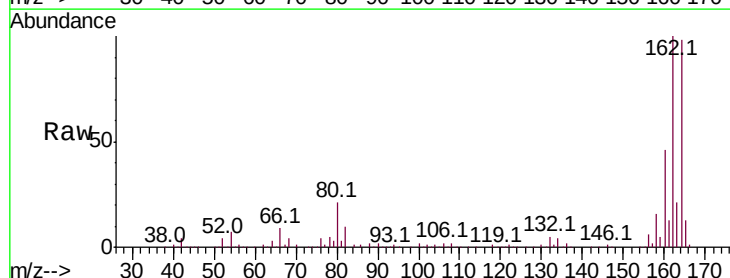
Tgt Ion:164 Resp: 313941

Ion Ratio Lower Upper

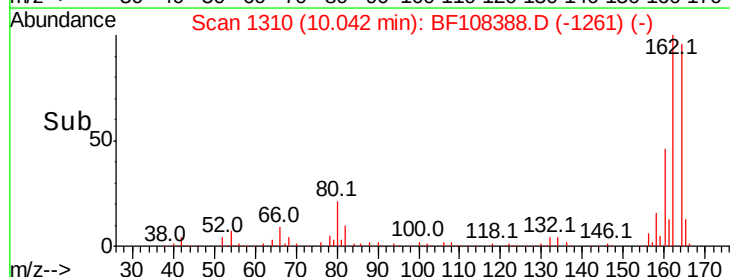
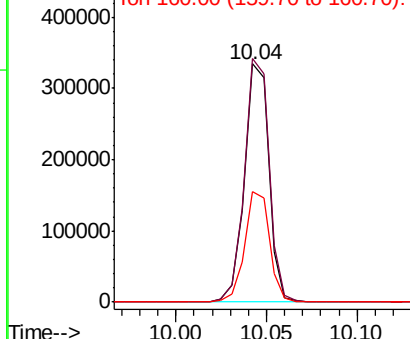
164 100

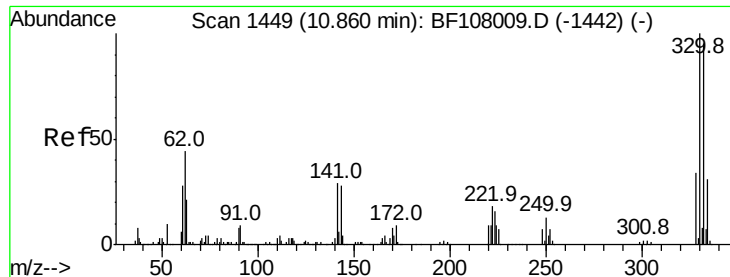
162 102.1 86.1 129.1

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

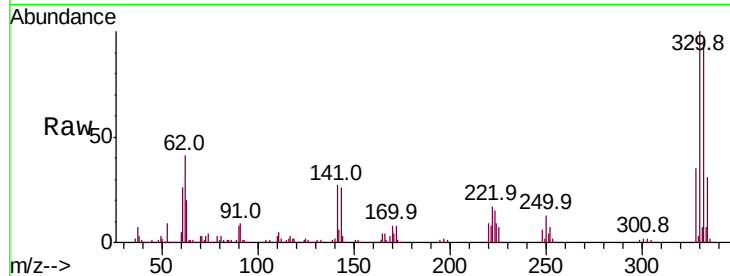




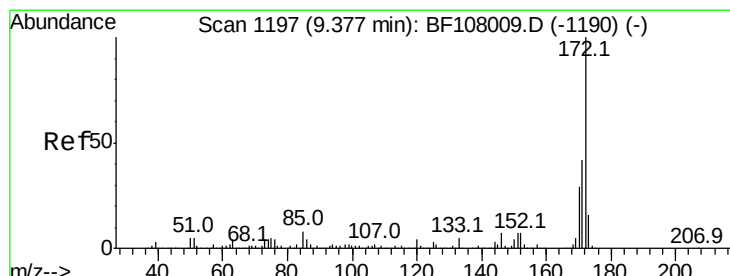
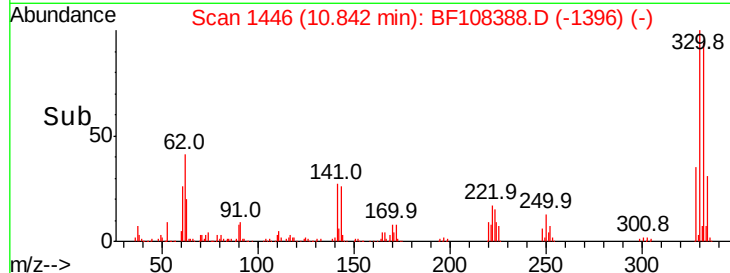
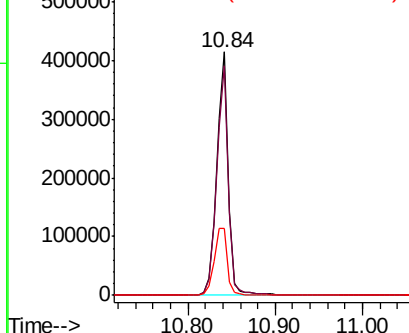
#41
 2,4,6-Tribromophenol
 Concen: 121.763 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108388.D
 Acq: 22 Aug 2018 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	31.6	29.9	44.9

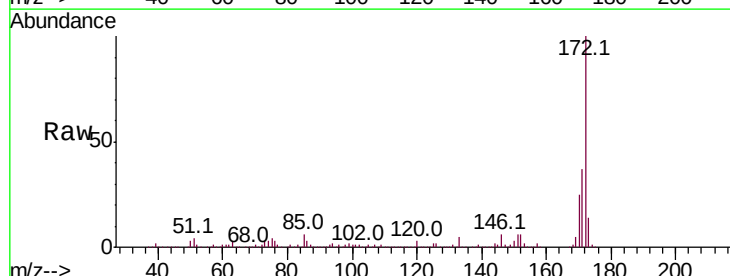


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

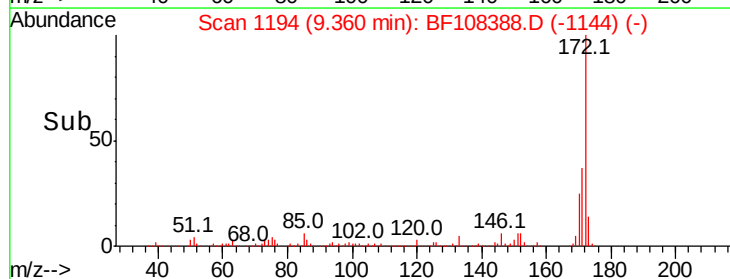
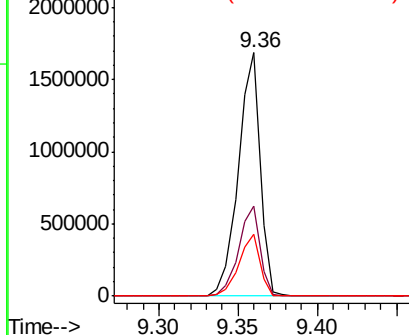


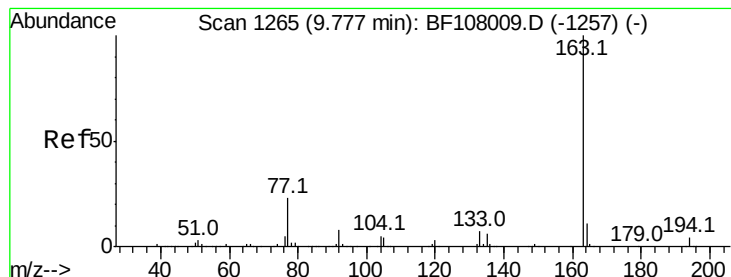
#44
 2-Fluorobiphenyl
 Concen: 82.240 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108388.D
 Acq: 22 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	25.3	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





#49

Dimethylphthalate

Concen: 9.889 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

Instrument :

BNA_F

ClientSampleId :

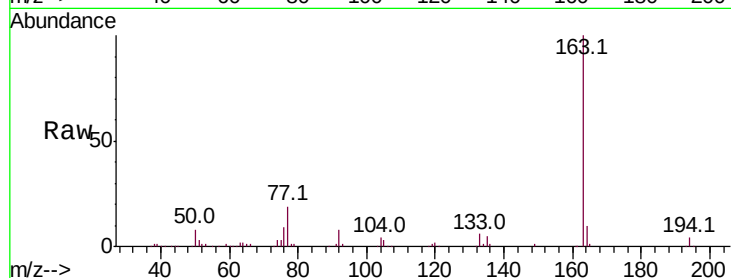
Tot Ion:163 Resp: 216255

Ion Ratio Lower Upper

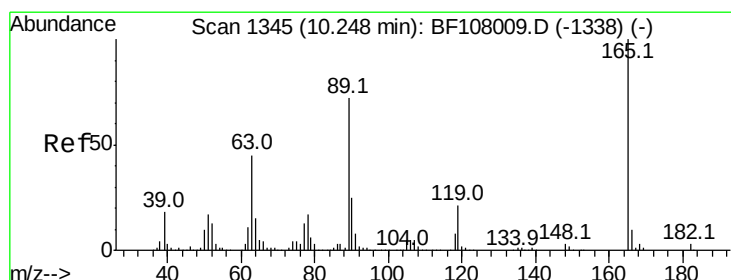
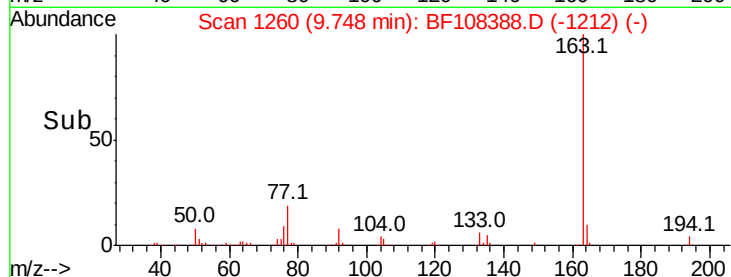
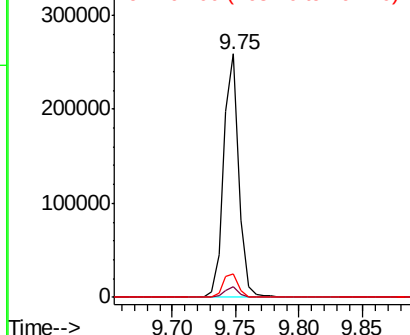
163 100

194 4.2 2.7 4.1#

164 9.7 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: 6.752 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

Tgt Ion:165 Resp: 39763

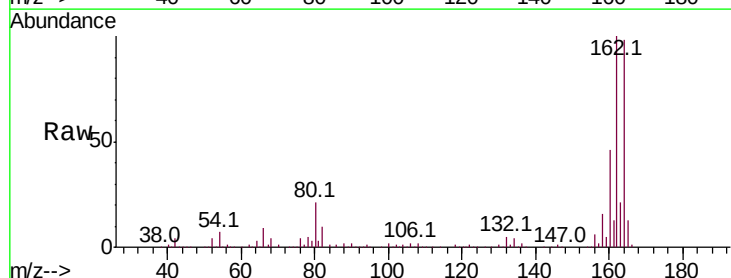
Ion Ratio Lower Upper

165 100

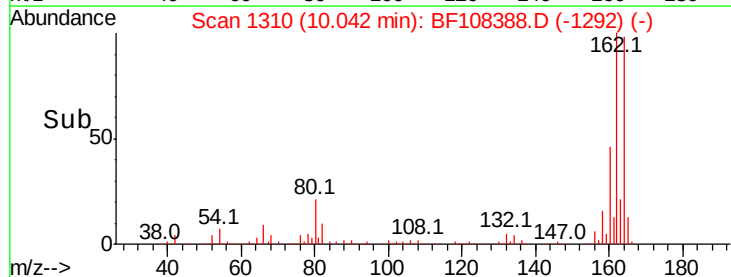
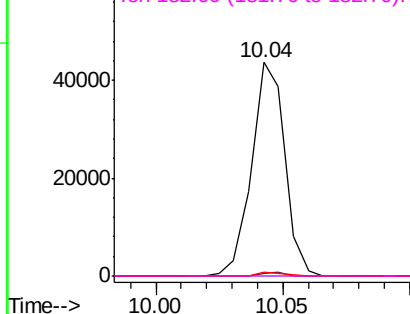
63 1.5 36.4 54.6#

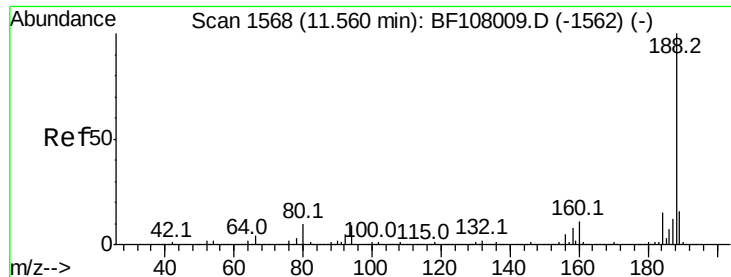
89 1.8 57.8 86.6#

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

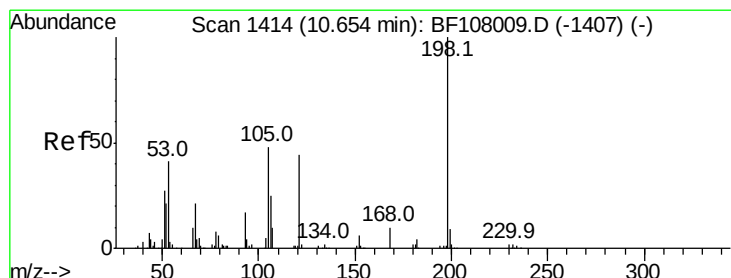
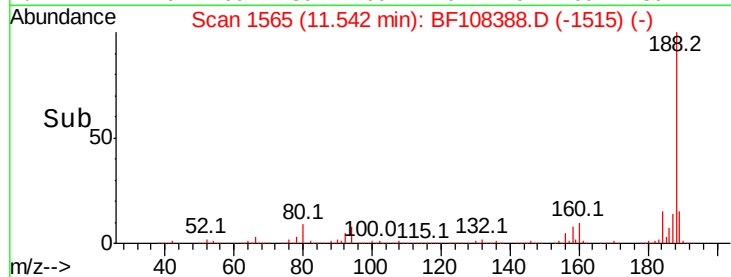
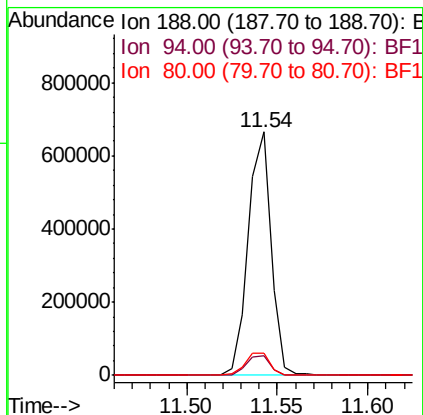
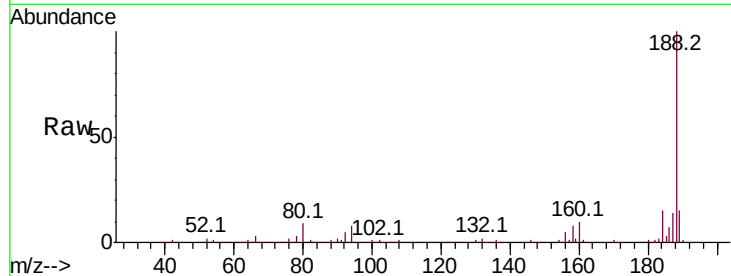




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108388.D
 Acq: 22 Aug 2018 17:33

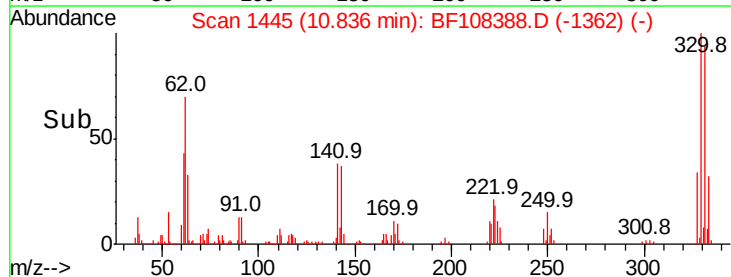
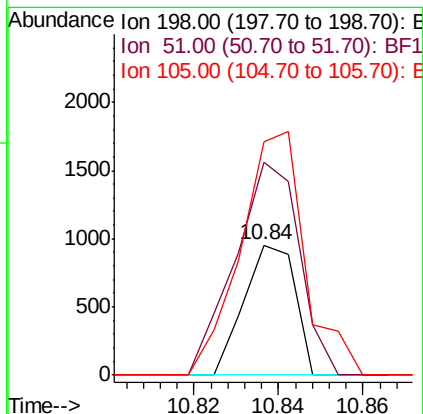
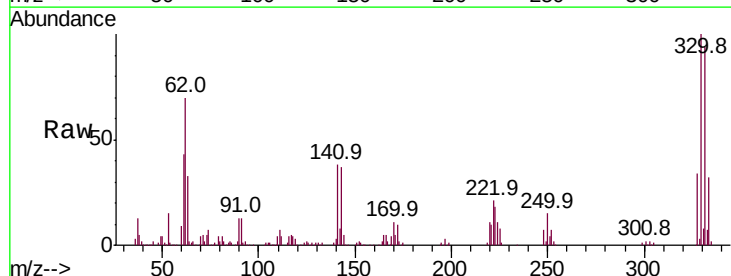
Instrument :
 BNA_F
 ClientSampled :

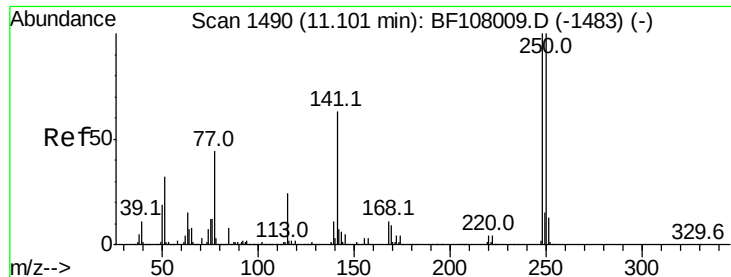
Tot Ion:188 Resp: 586877
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.682 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108388.D
 Acq: 22 Aug 2018 17:33

Tgt Ion:198 Resp: 803
 Ion Ratio Lower Upper
 198 100
 51 163.9 37.7 77.7#
 105 179.5 36.3 76.3#

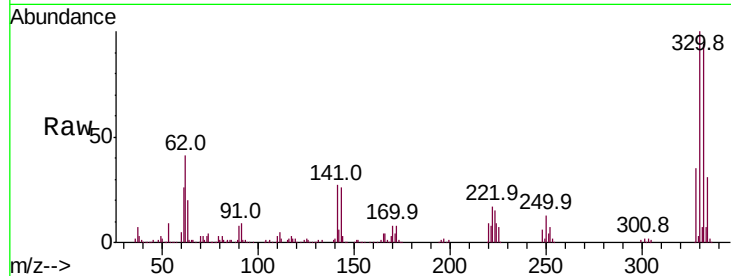




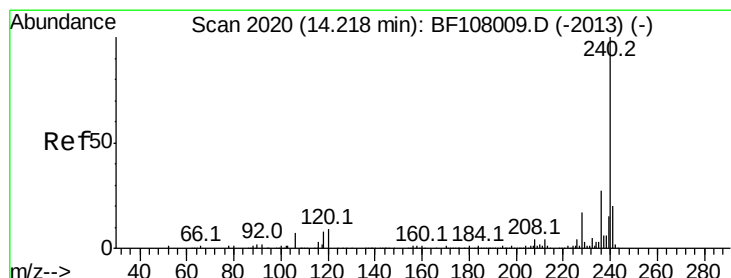
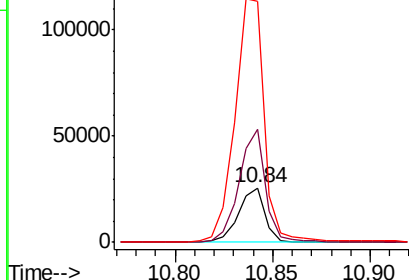
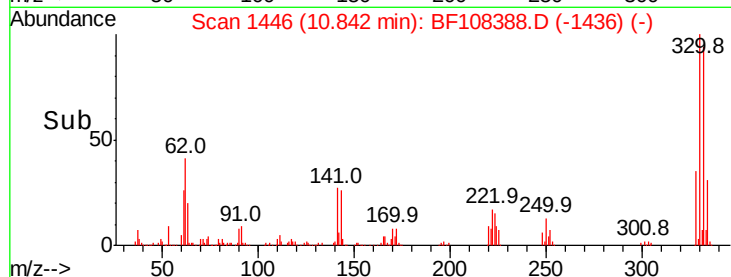
#66
4-Bromophenyl-phenylether
Concen: 3.863 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24636
Ion Ratio Lower Upper
248 100
250 205.6 76.9 115.3#
141 439.5 74.4 111.6#

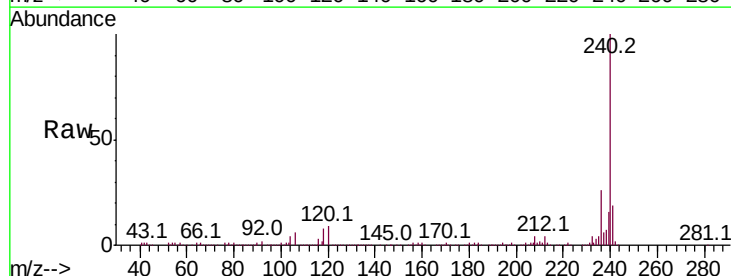


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

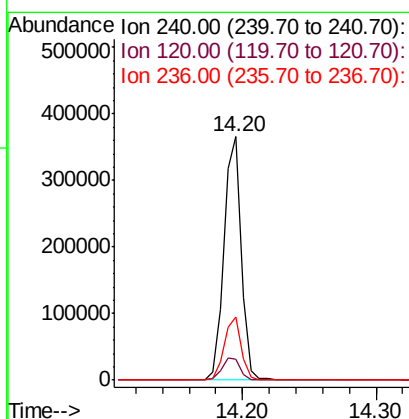
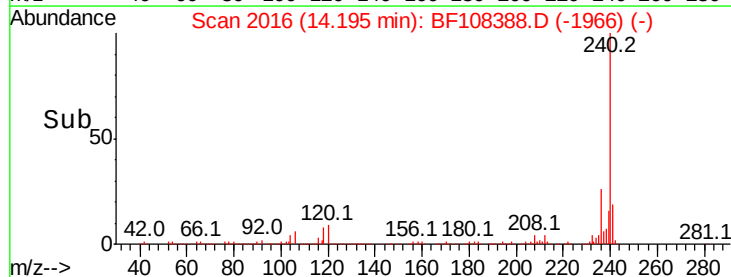


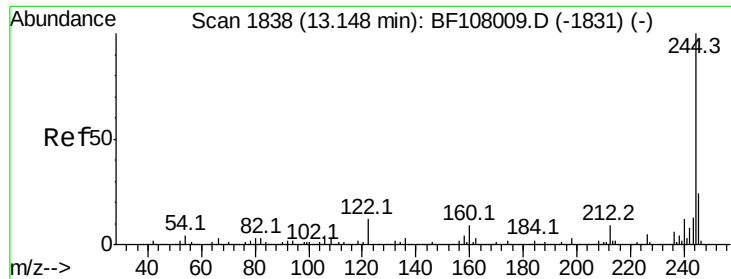
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.20 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108388.D
Acq: 22 Aug 2018 17:33

Tgt Ion:240 Resp: 335053
Ion Ratio Lower Upper
240 100
120 8.6 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





#78

Terphenyl-d14

Concen: 112.364 ng

RT: 13.13 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

Instrument :

BNA_F

ClientSampleId :

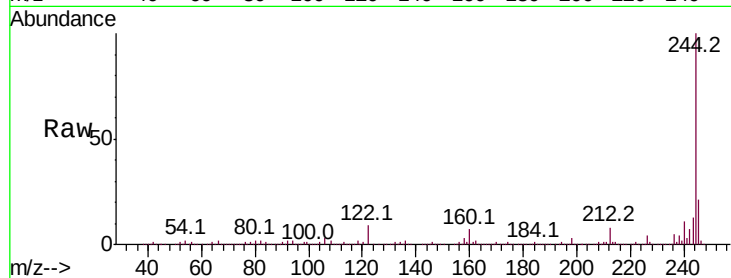
Tot Ion:244 Resp: 1480699

Ion Ratio Lower Upper

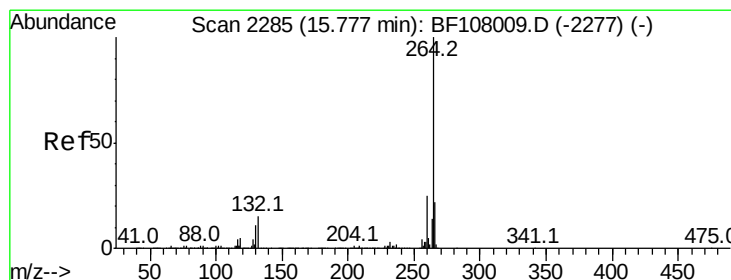
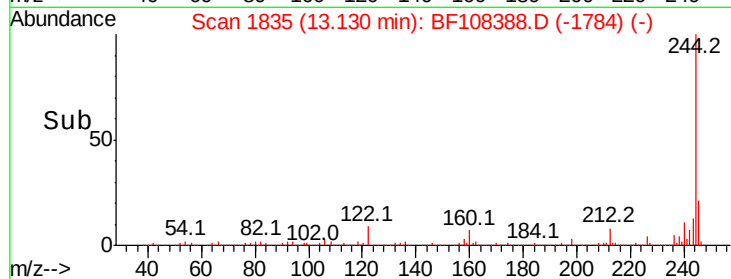
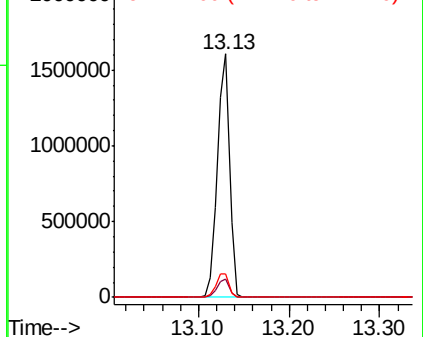
244 100

212 7.5 5.4 8.0

122 9.4 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

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108388.D

Acq: 22 Aug 2018 17:33

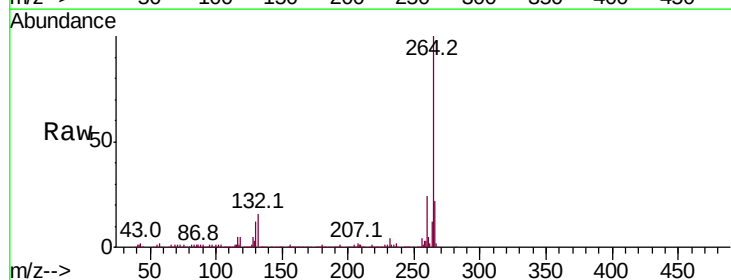
Tgt Ion:264 Resp: 322243

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.8 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

