

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108535.D
 Acq On : 28 Aug 2018 3:15
 Operator : JU/SJ
 Sample : J4659-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 04:52:34 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	102490	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	355850	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	152899	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	267540	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	267055	20.00	ng	-0.01
86) Perylene-d12	15.74	264	187138	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	243905	43.09	ng	0.00
7) Phenol-d6	6.61	99	223638	29.73	ng	-0.02
23) Nitrobenzene-d5	7.56	82	681049	106.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	145722	95.55	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1228023	128.94	ng	-0.01
78) Terphenyl-d14	13.12	244	1041768	99.18	ng	0.00

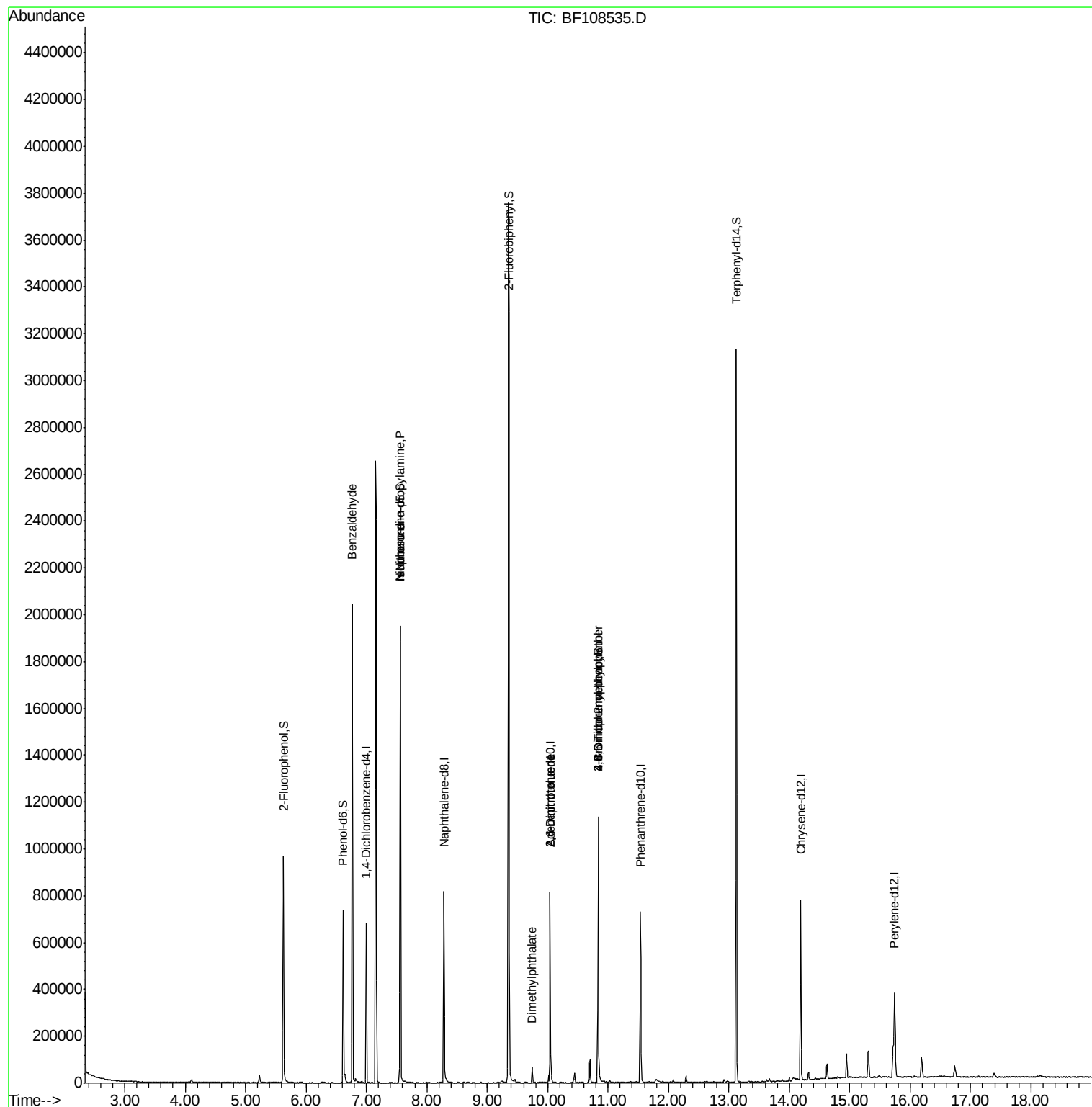
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	12034	2.063	ng	# 72
19) n-Nitroso-di-n-propylamine	7.56	70	91215	17.931	ng	# 85
25) Isophorone	7.56	82	681044	56.030	ng	# 64
49) Dimethylphthalate	9.74	163	28682	2.693	ng	# 99
50) 2,6-Dinitrotoluene	10.04	165	19329	8.674	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	19329	6.739	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	124	5.468	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	9347	3.215	ng	# 1

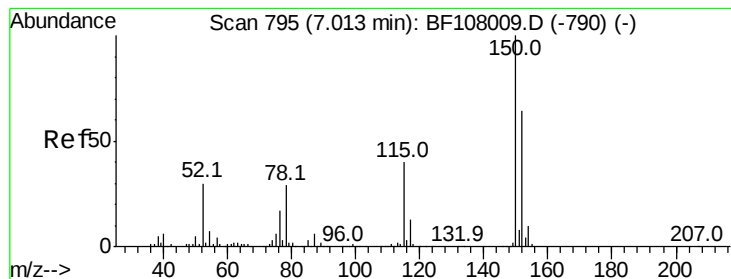
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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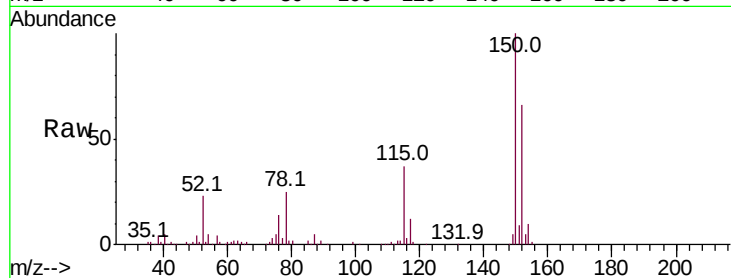


#1

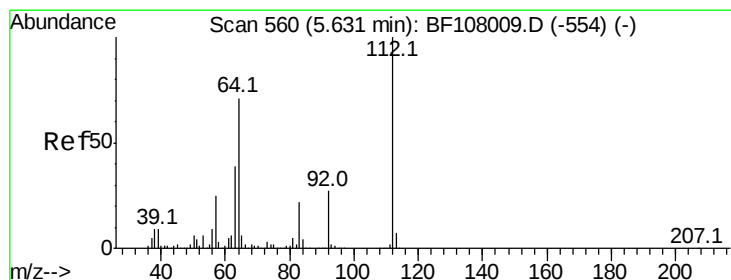
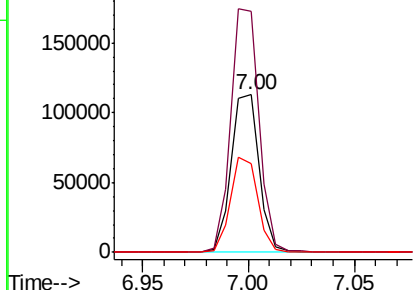
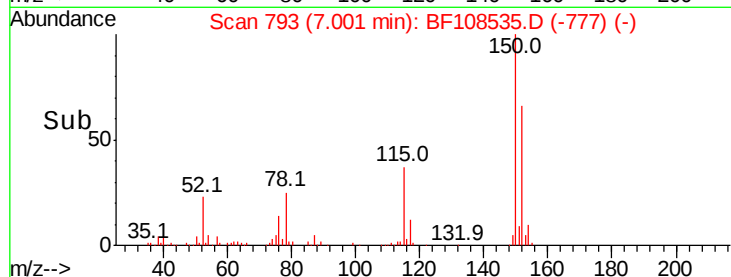
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	56.0	50.1	75.1



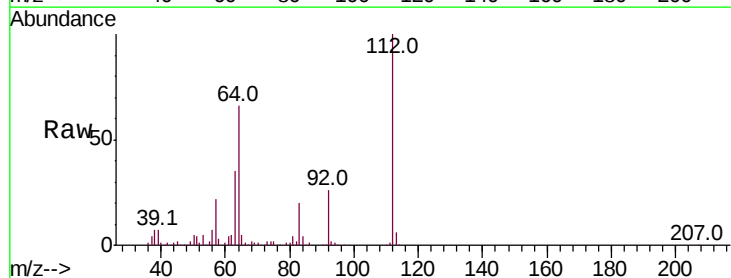
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



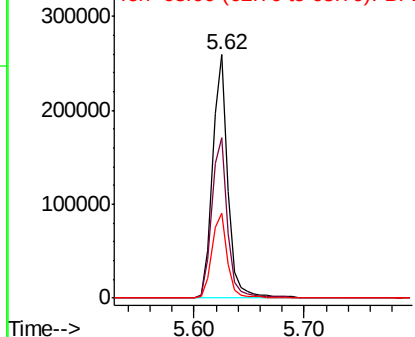
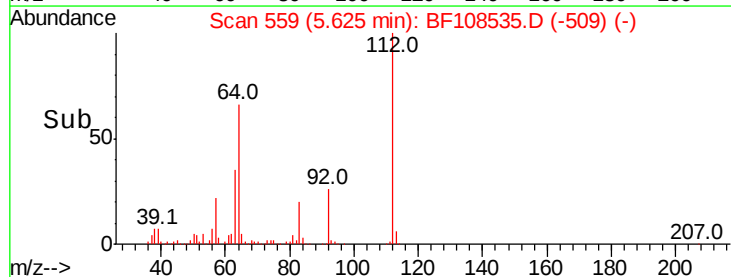
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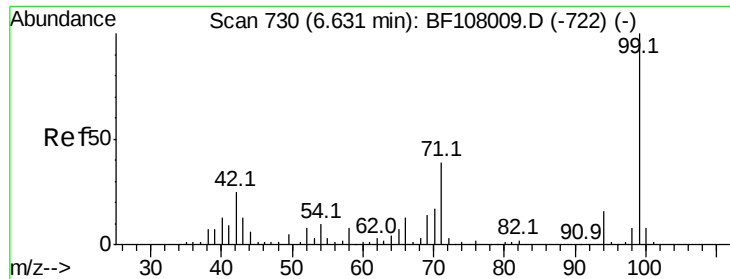
2-Fluorophenol
Concen: 43.085 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	34.7	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: 29.728 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108535.D

Acq: 28 Aug 2018 3:15

Instrument :

BNA_F

ClientSampleId :

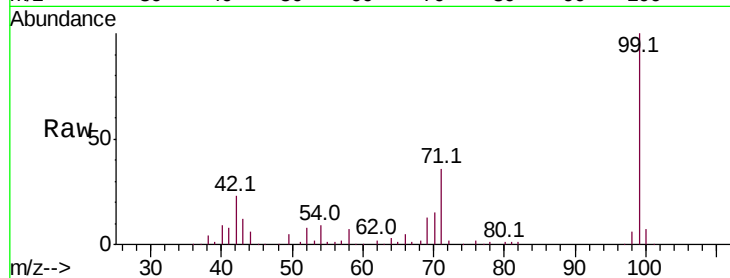
Tot Ion: 99 Resp: 223638

Ion Ratio Lower Upper

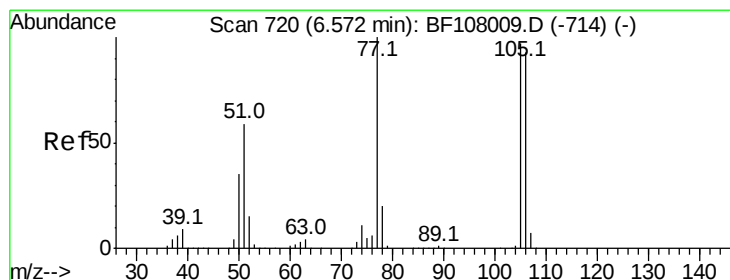
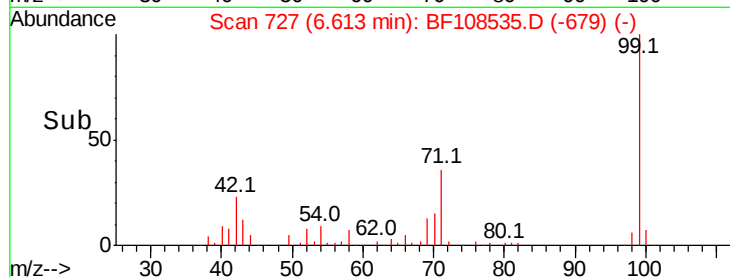
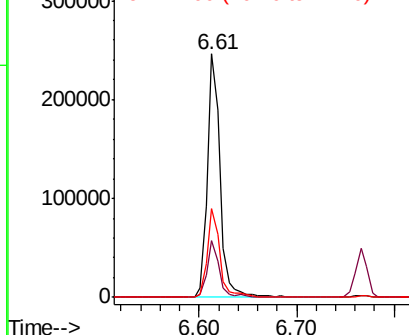
99 100

42 23.3 14.5 21.7#

71 36.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.063 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108535.D

Acq: 28 Aug 2018 3:15

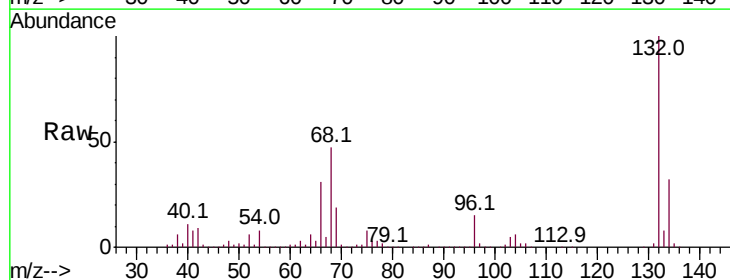
Tgt Ion: 77 Resp: 12034

Ion Ratio Lower Upper

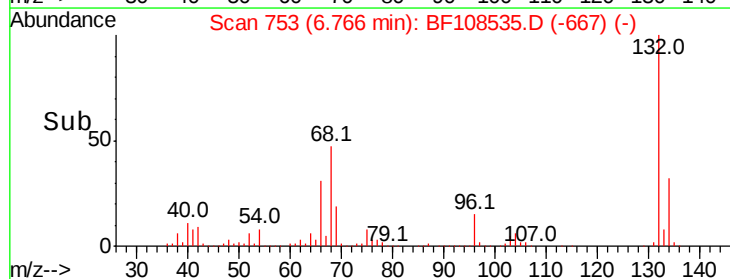
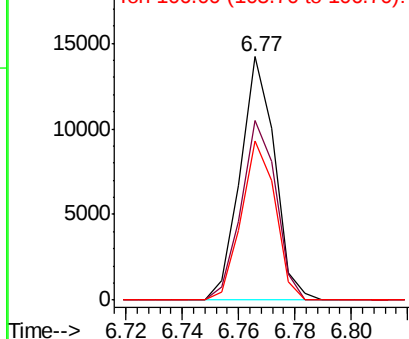
77 100

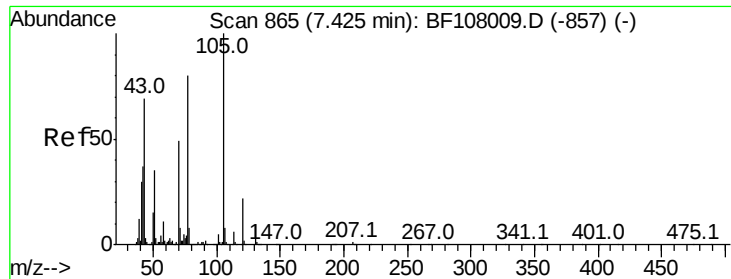
105 73.8 81.1 121.1#

106 65.5 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

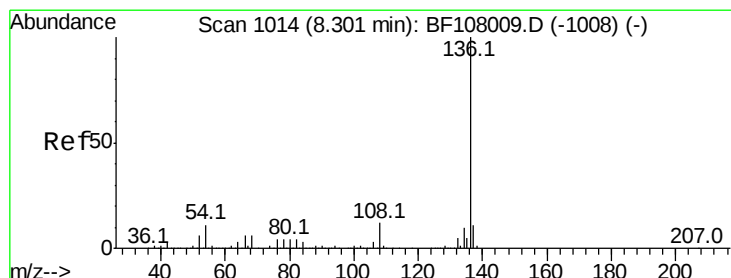
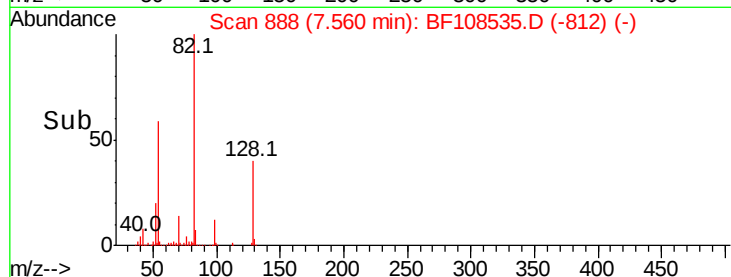
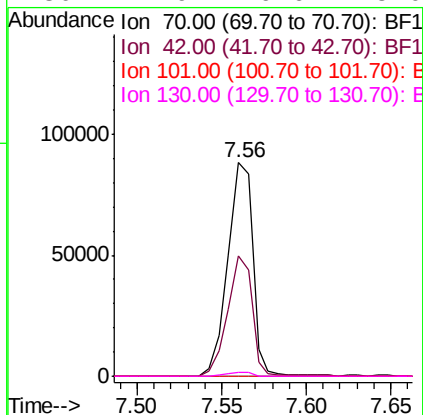
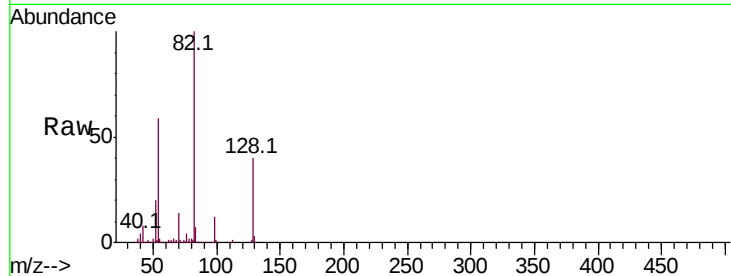




#19
n-Nitroso-di-n-propylamine
Concen: 17.931 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

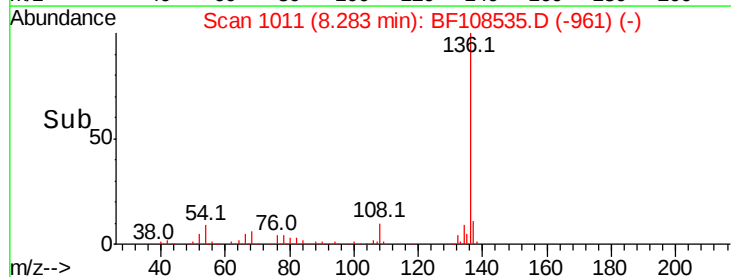
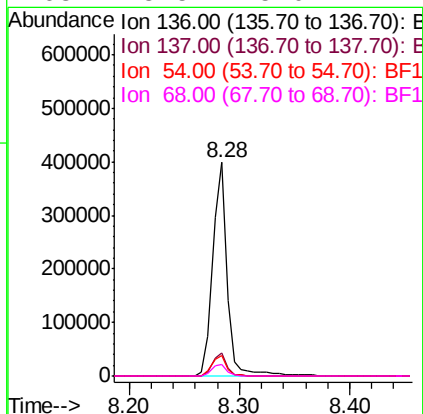
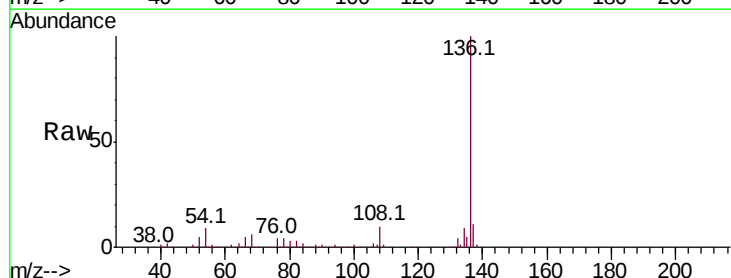
Instrument :
BNA_F
ClientSampleId :

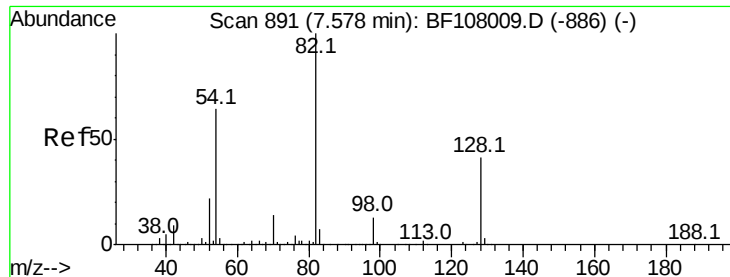
Tot Ion	Ratio	Lower	Upper
70	100		
42	56.4	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.4	6.6	9.8
68	5.5	5.0	7.4

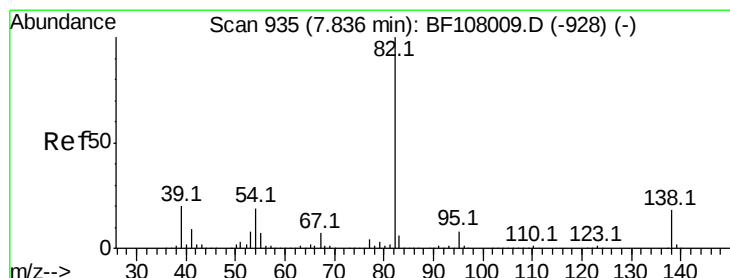
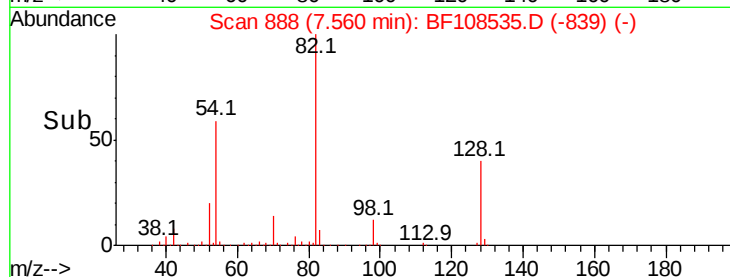
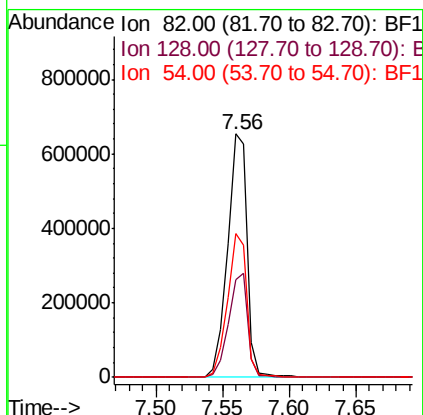
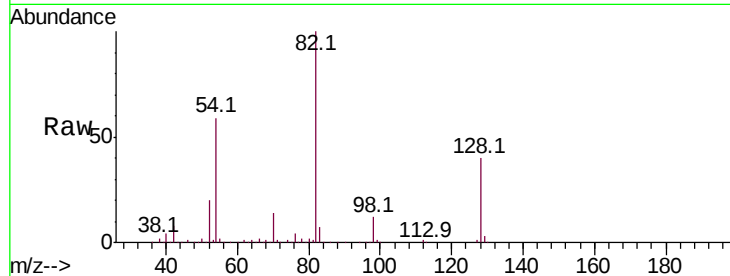




#23
 Nitrobenzene-d5
 Concen: 106.796 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

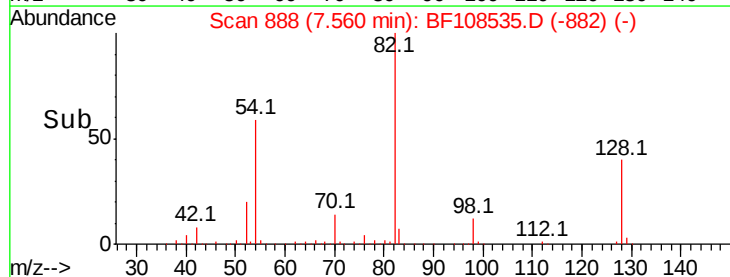
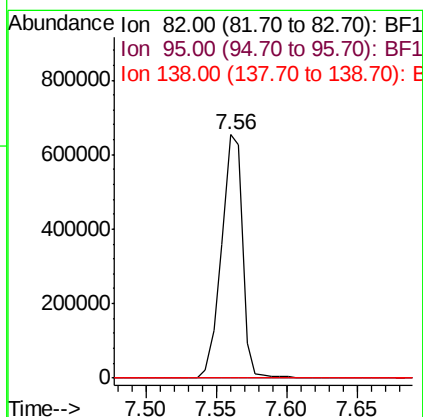
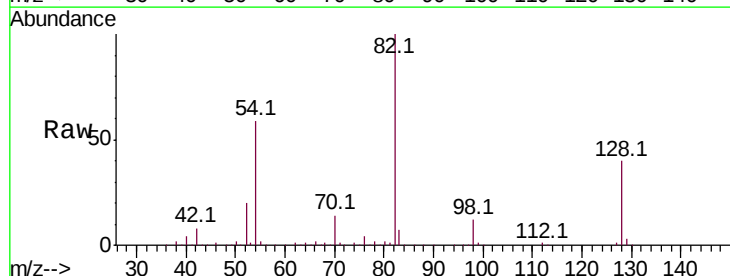
Instrument :
 BNA_F
 ClientSampleId :

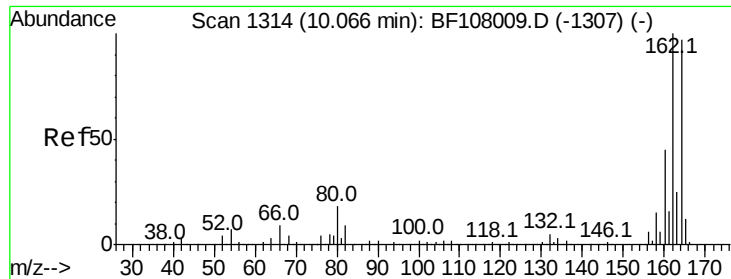
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	36.1	54.1
54	59.1	41.4	62.2



#25
 Isophorone
 Concen: 56.030 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

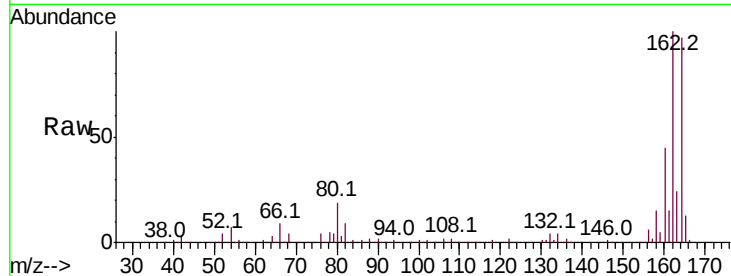




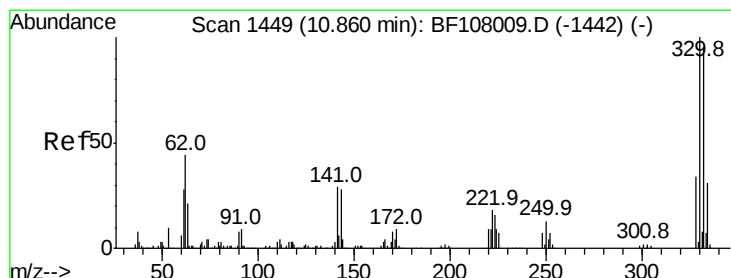
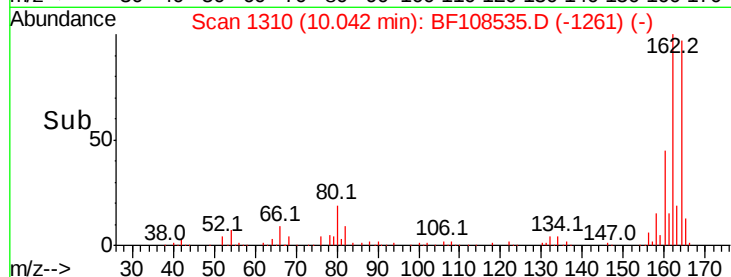
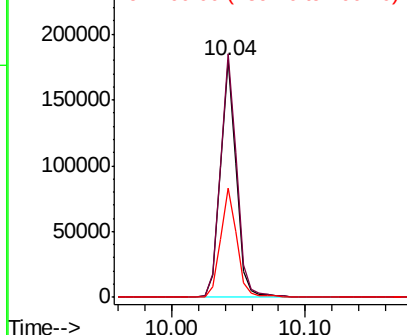
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 152899
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 45.8 38.3 57.5

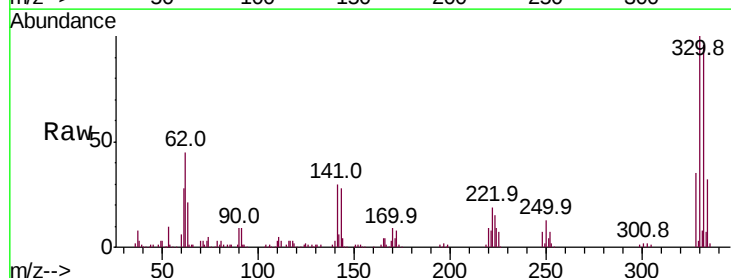


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

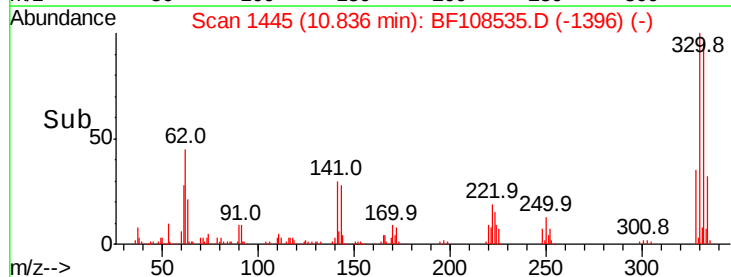
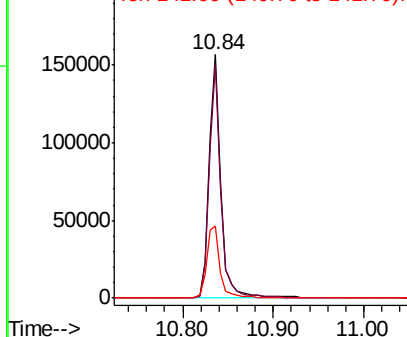


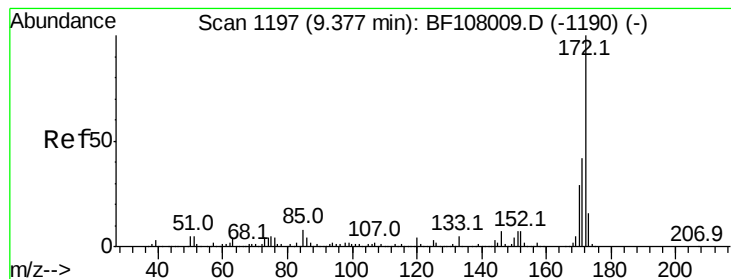
#41
 2,4,6-Tribromophenol
 Concen: 95.547 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Tgt Ion:330 Resp: 145722
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.0 115.6
 141 33.1 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

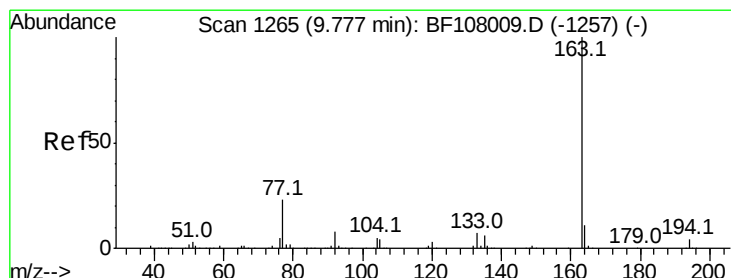
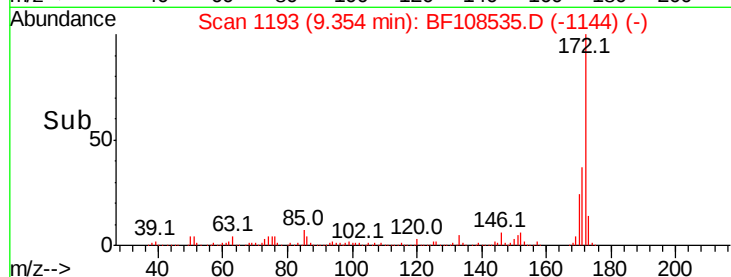
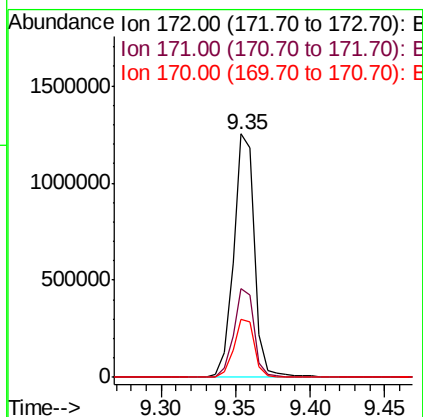
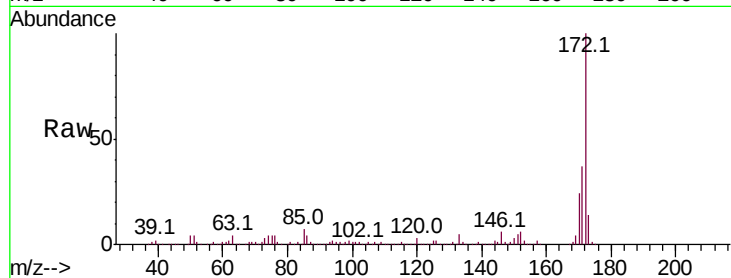




#44
2-Fluorobiphenyl
Concen: 128.945 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

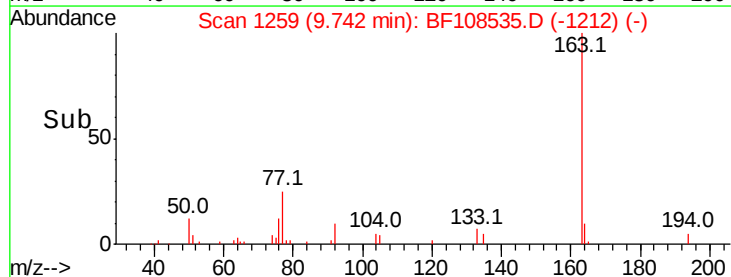
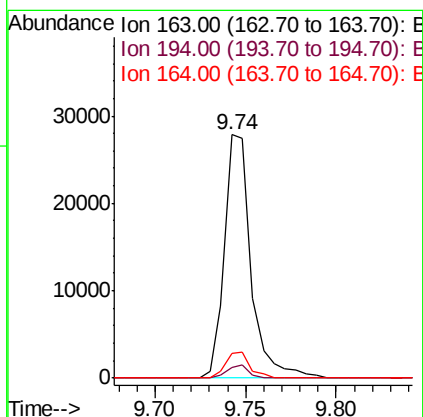
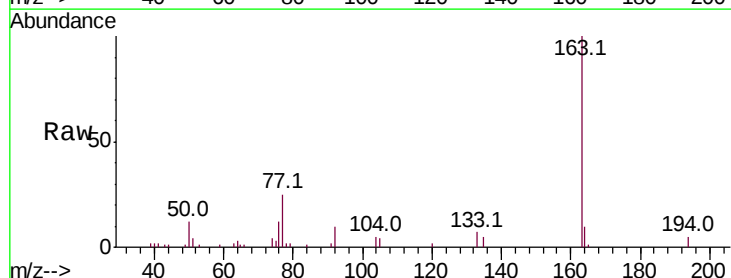
Instrument :
BNA_F
ClientSampleId :

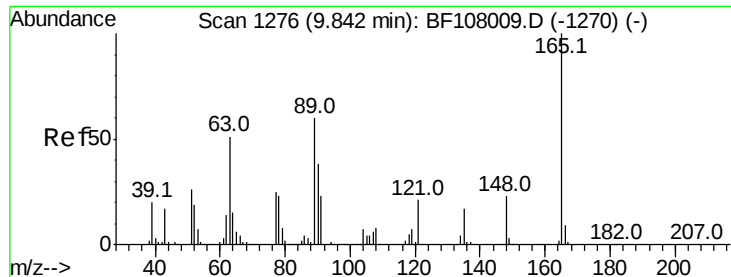
Tot Ion:172 Resp: 1228023
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 2.693 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108535.D
Acq: 28 Aug 2018 3:15

Tgt Ion:163 Resp: 28682
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.4 8.2 12.2

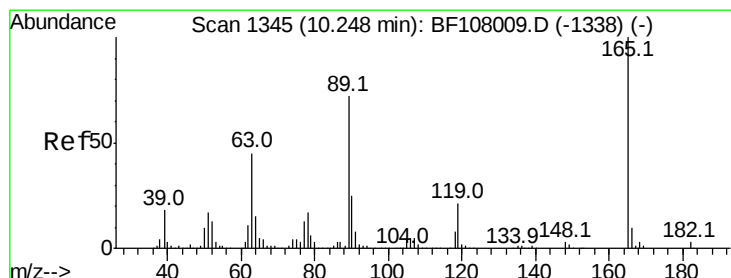
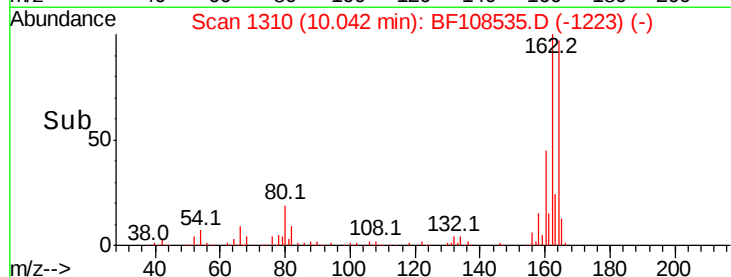
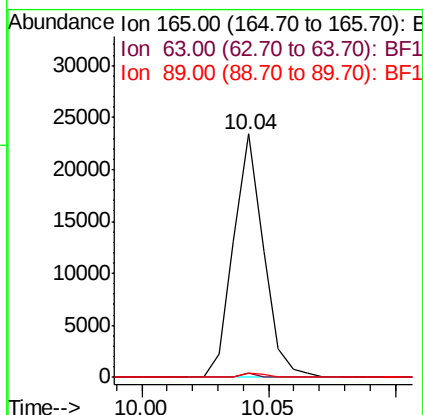
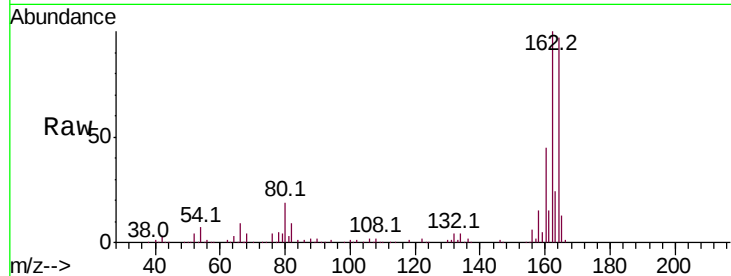




#50
 2,6-Dinitrotoluene
 Concen: 8.674 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

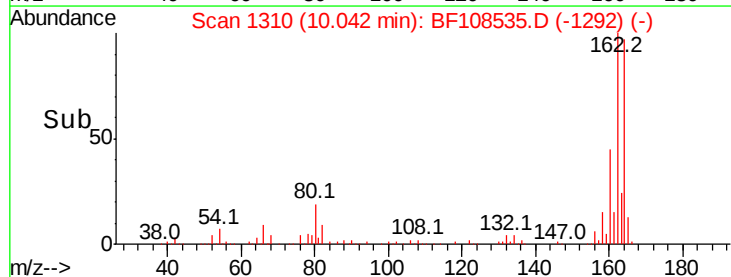
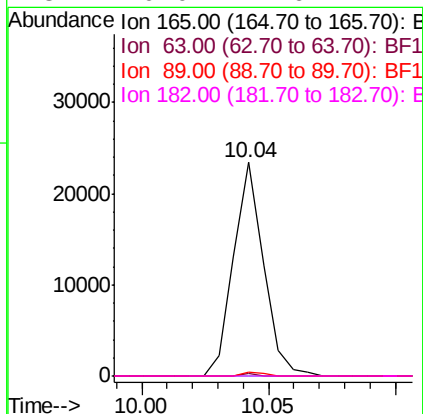
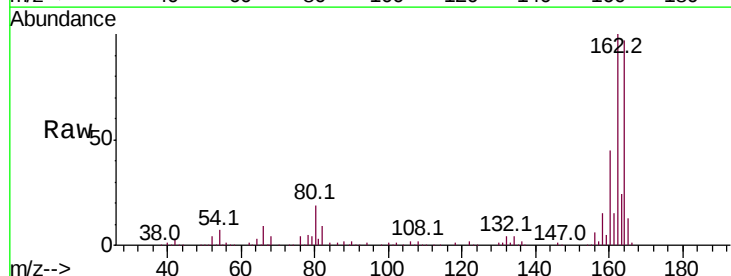
Instrument :
 BNA_F
 ClientSampleId :

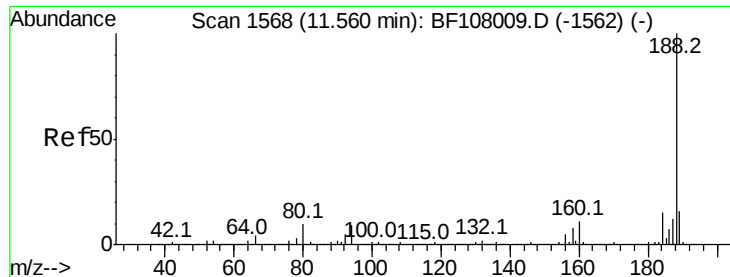
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.739 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

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

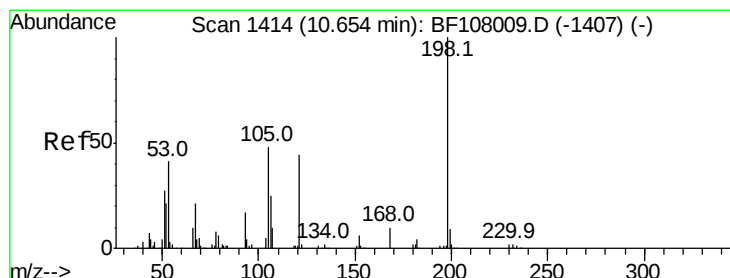
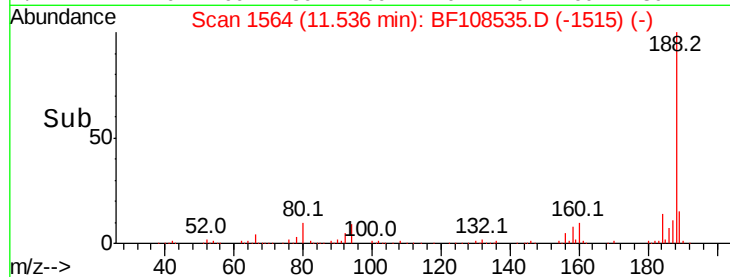
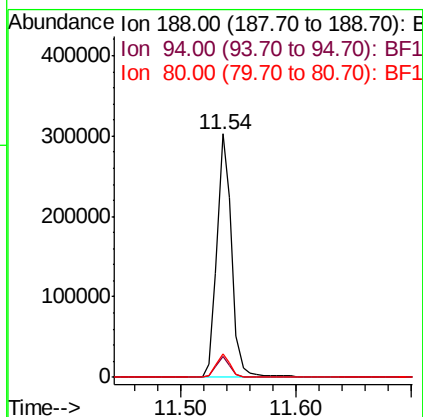
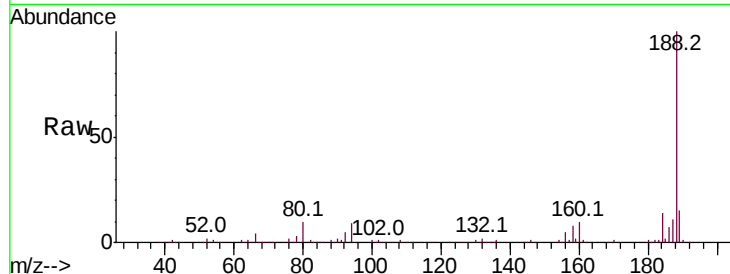




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

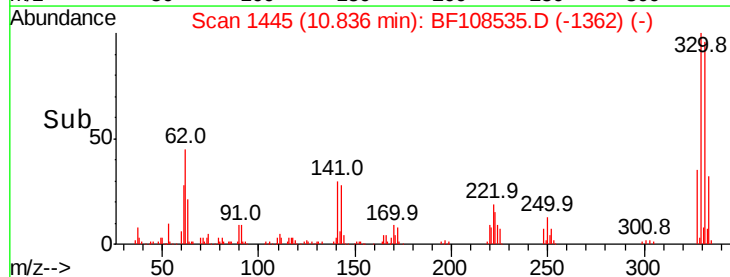
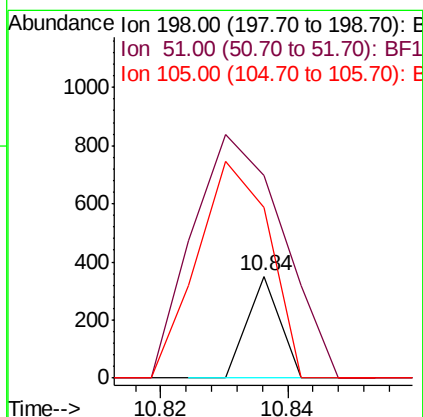
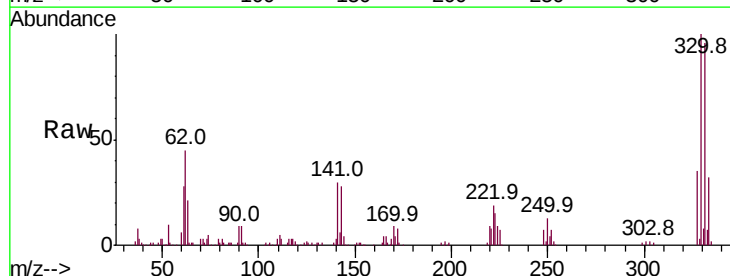
Instrument :
 BNA_F
 ClientSampleId :

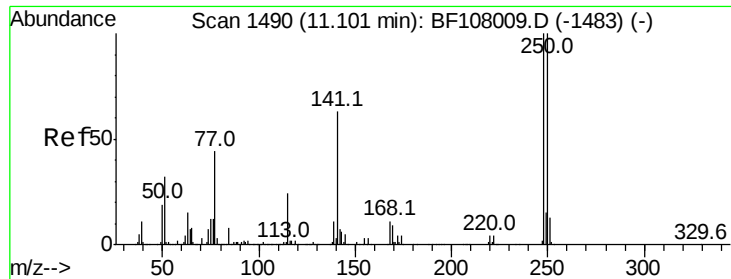
Tot Ion:188 Resp: 267540
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 9.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.468 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Tgt Ion:198 Resp: 124
 Ion Ratio Lower Upper
 198 100
 51 199.1 37.7 77.7#
 105 167.4 36.3 76.3#

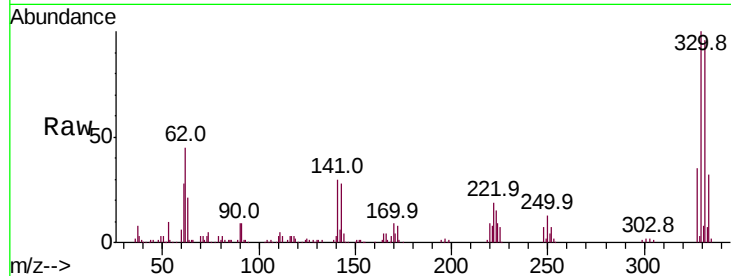




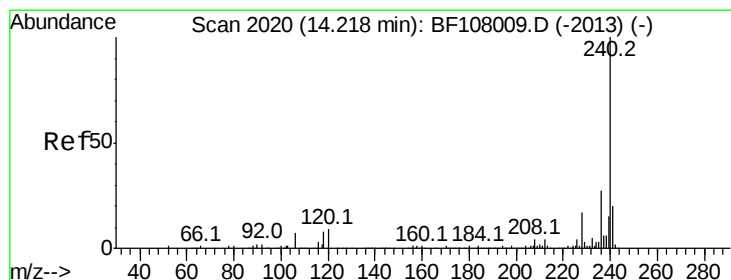
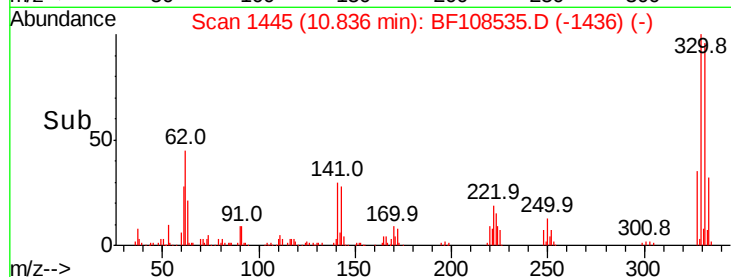
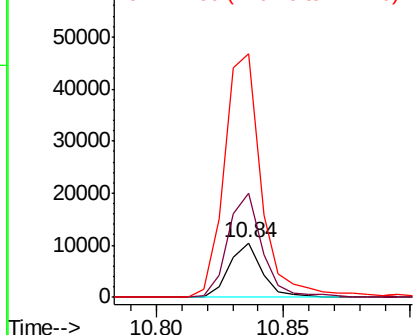
#66
 4-Bromophenyl-phenylether
 Concen: 3.215 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9347
 Ion Ratio Lower Upper
 248 100
 250 190.3 76.9 115.3#
 141 445.9 74.4 111.6#

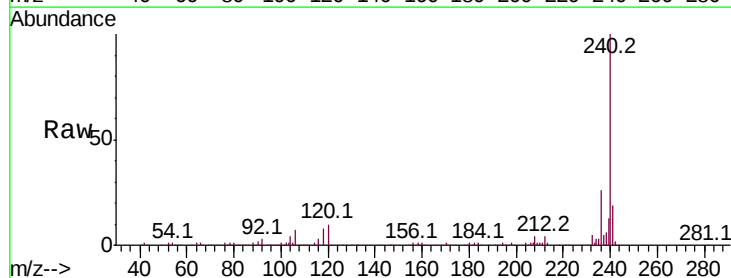


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

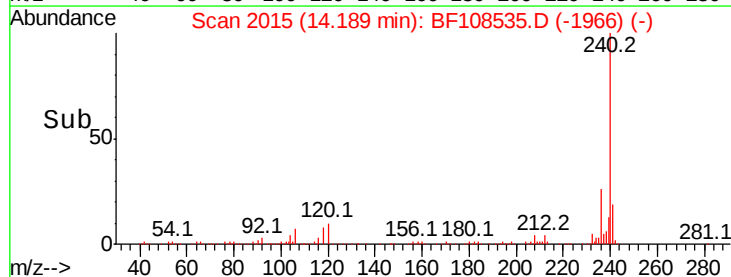
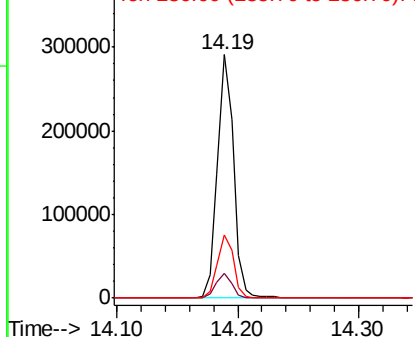


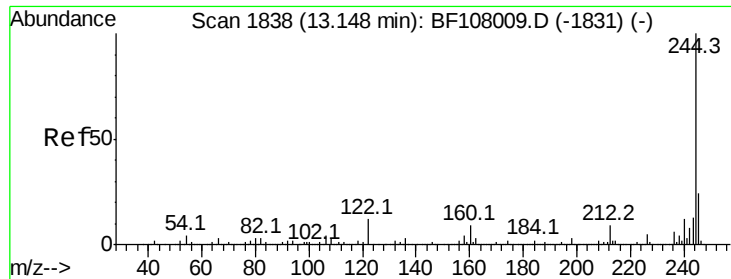
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108535.D
 Acq: 28 Aug 2018 3:15

Tgt Ion:240 Resp: 267055
 Ion Ratio Lower Upper
 240 100
 120 10.0 9.5 14.3
 236 25.8 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: 99.184 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108535.D

Acq: 28 Aug 2018 3:15

Instrument :

BNA_F

ClientSampleId :

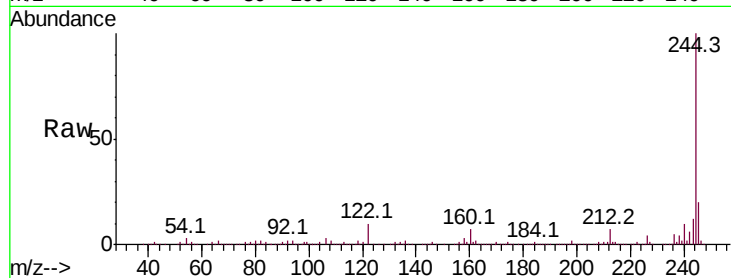
Tot Ion:244 Resp: 1041768

Ion Ratio Lower Upper

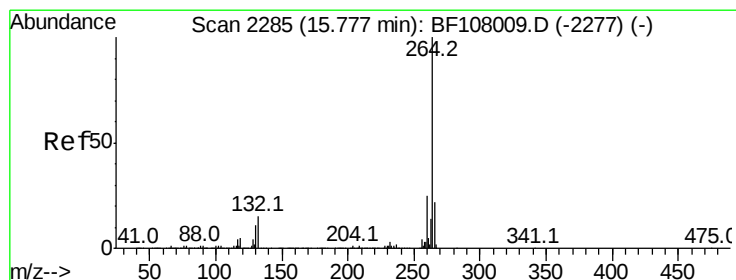
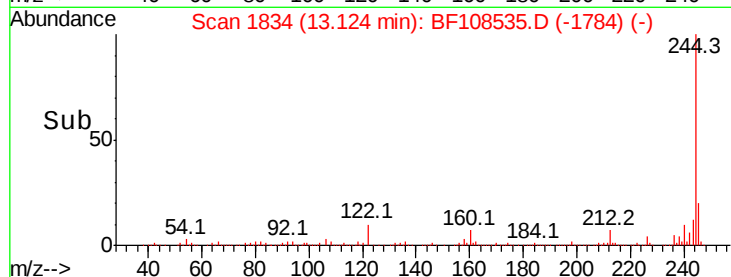
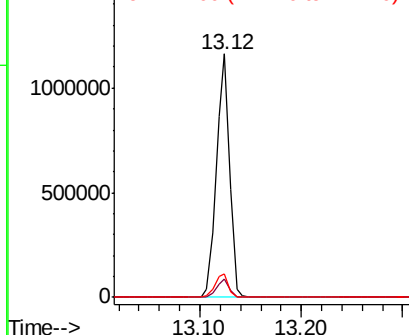
244 100

212 7.5 5.4 8.0

122 9.5 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: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108535.D

Acq: 28 Aug 2018 3:15

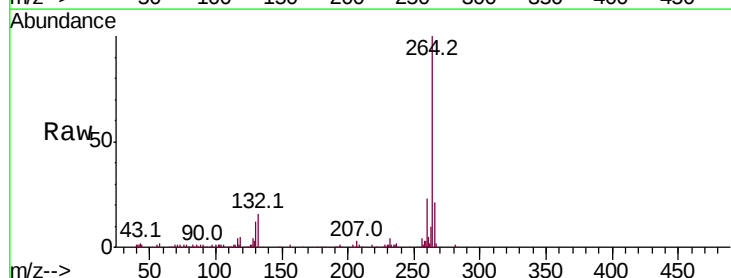
Tgt Ion:264 Resp: 187138

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.0 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

