

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108496.D
 Acq On : 25 Aug 2018 7:11
 Operator : JU/SJ
 Sample : J4582-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 01:35:50 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	141087	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	511429	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	235976	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	382585	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	287788	20.00	ng	-0.01
86) Perylene-d12	15.74	264	284129	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	351920	45.16	ng	0.00
7) Phenol-d6	6.61	99	294487	28.44	ng	-0.02
23) Nitrobenzene-d5	7.57	82	930340	101.51	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	183528	77.97	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1615733	109.93	ng	0.00
78) Terphenyl-d14	13.12	244	1162921	102.74	ng	0.00

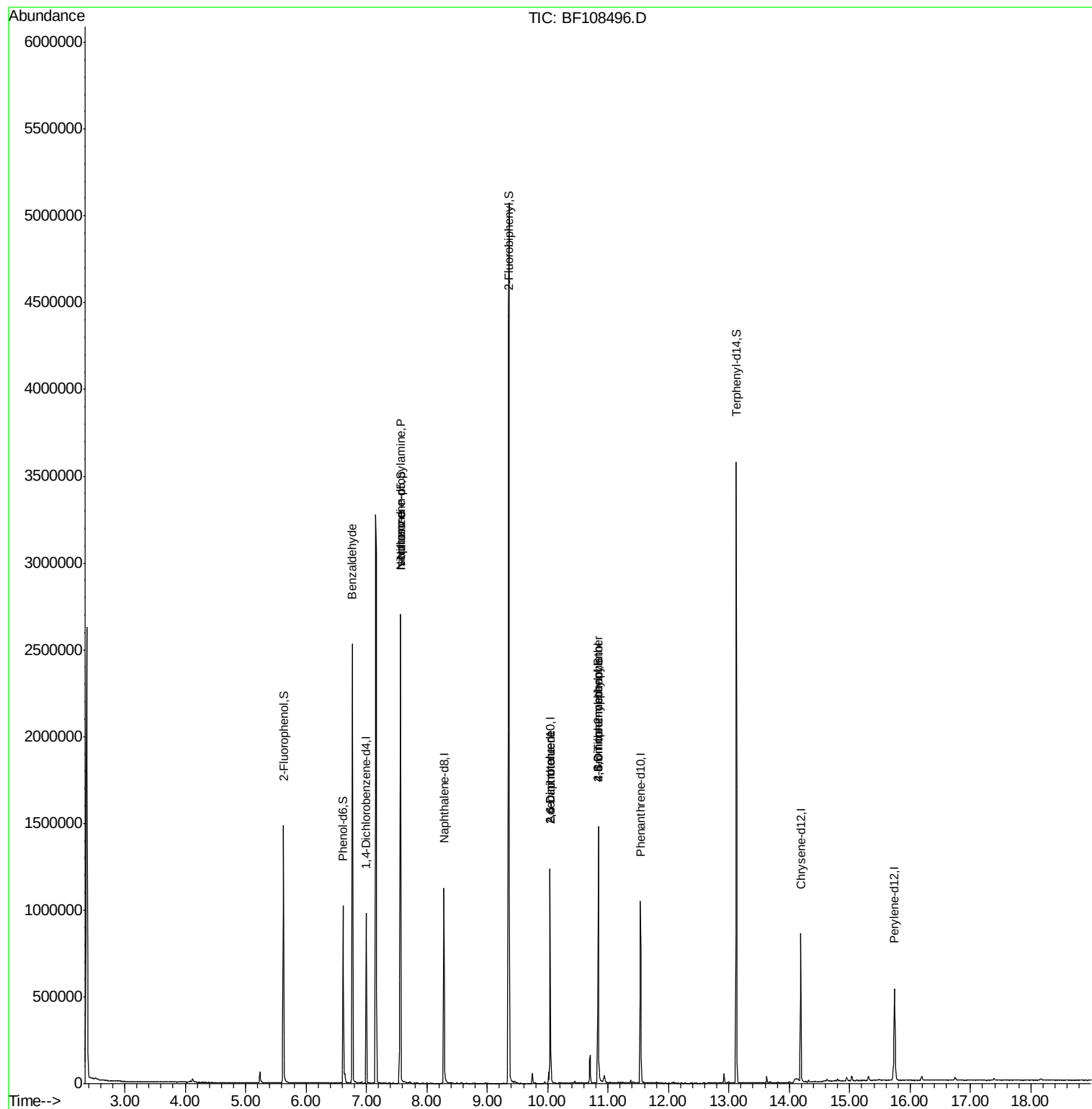
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	16298	2.030	ng	# 72
19) n-Nitroso-di-n-propylamine	7.57	70	127088	18.148	ng	# 80
25) Isophorone	7.57	82	930327	53.255	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	29737	8.647	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	29737	6.718	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.83	198	341	5.569	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	12082	2.906	ng	# 1

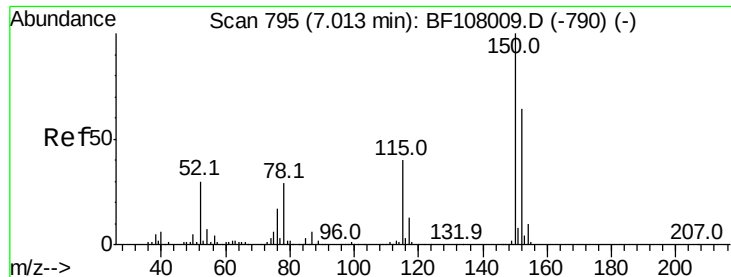
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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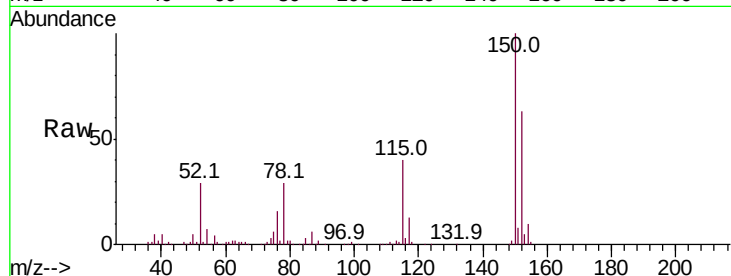


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	63.5	50.1	75.1

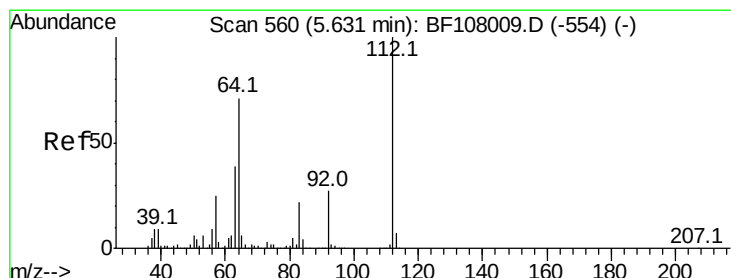
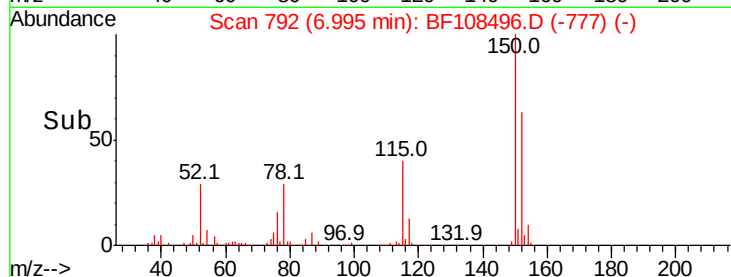
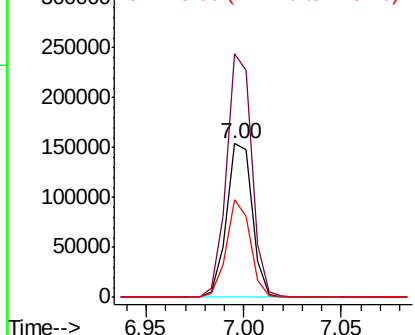


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

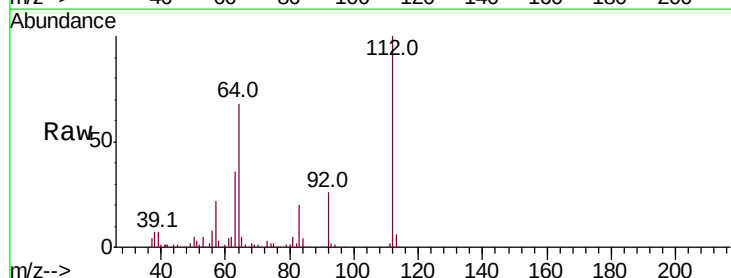
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.159 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	47.9	71.9
63	35.8	23.7	35.5#

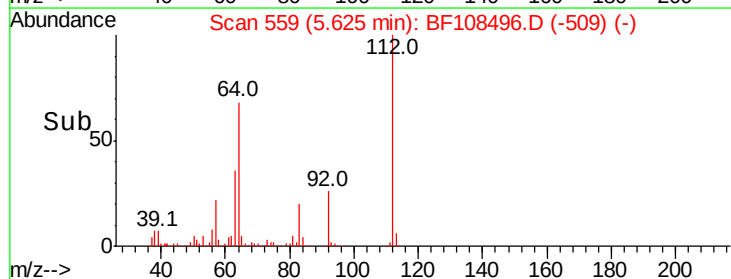
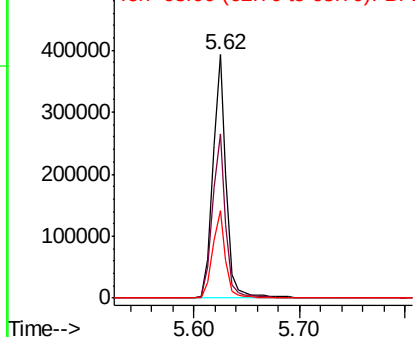


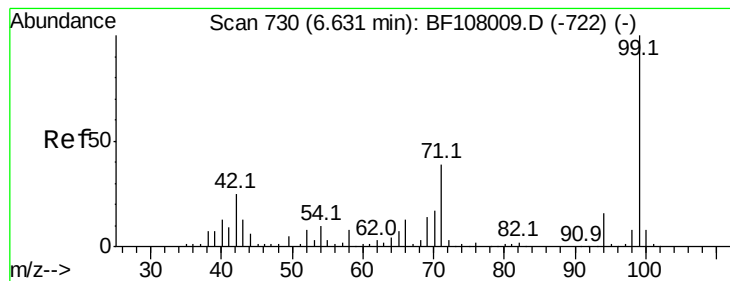
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.437 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108496.D

Acq: 25 Aug 2018 7:11

Instrument :

BNA_F

ClientSampleId :

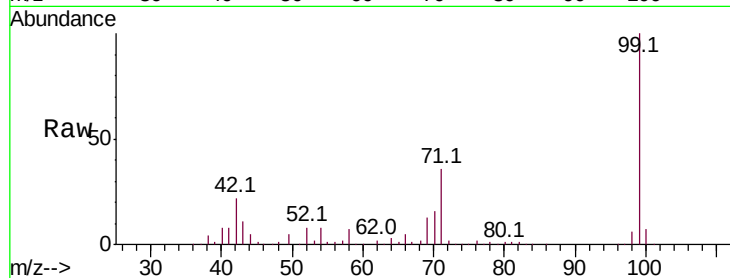
Tot Ion: 99 Resp: 294487

Ion Ratio Lower Upper

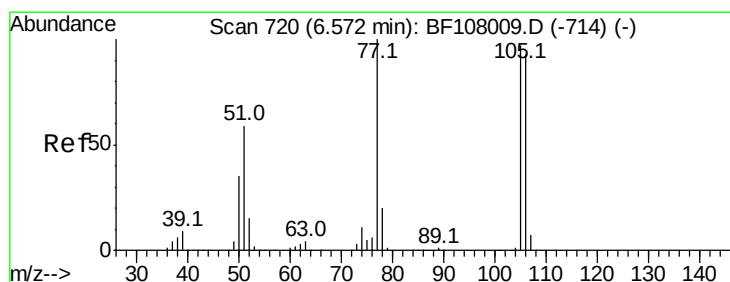
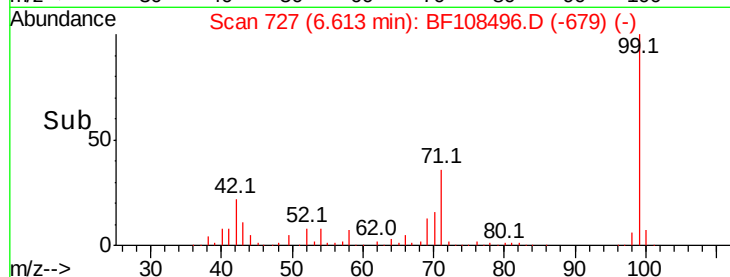
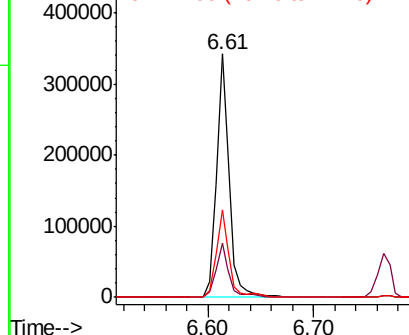
99 100

42 22.2 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



#9

Benzaldehyde

Concen: 2.030 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108496.D

Acq: 25 Aug 2018 7:11

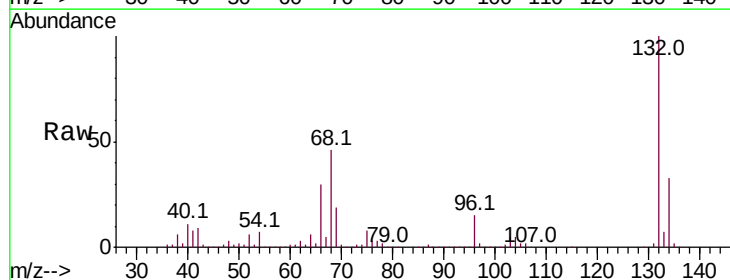
Tgt Ion: 77 Resp: 16298

Ion Ratio Lower Upper

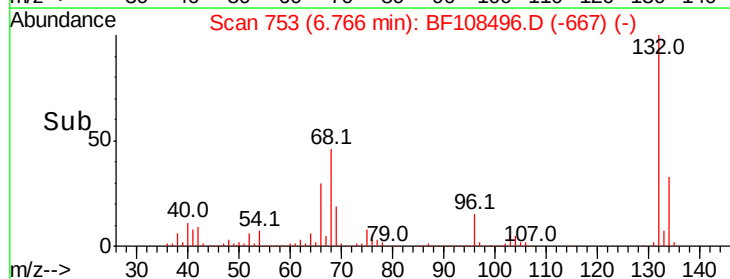
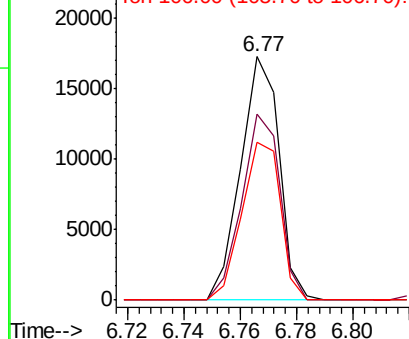
77 100

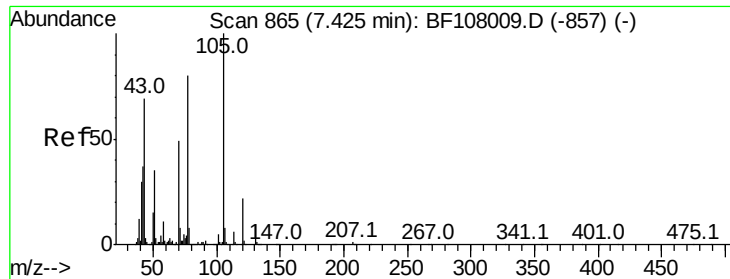
105 76.3 81.1 121.1#

106 64.9 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

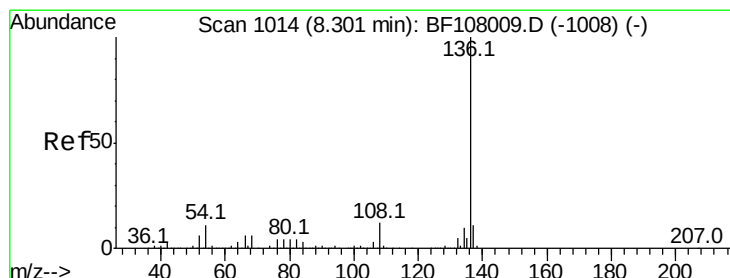
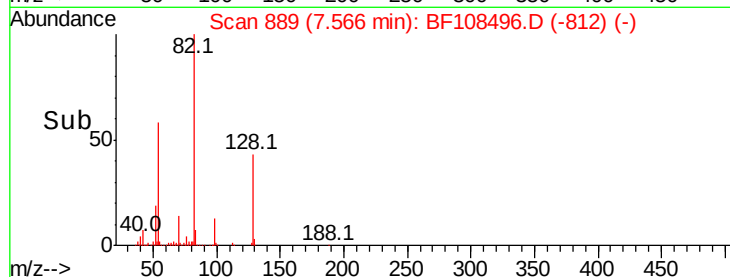
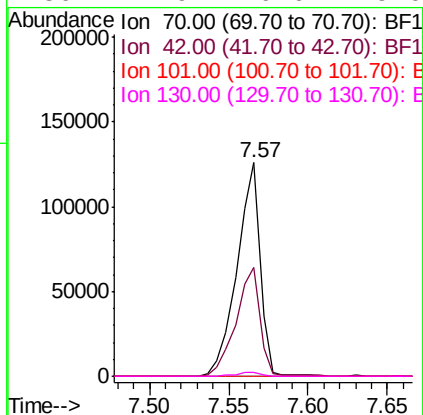
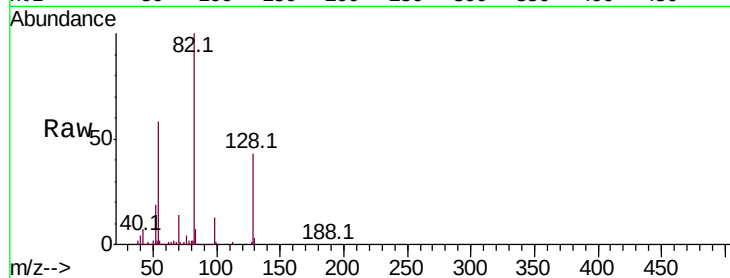




#19
n-Nitroso-di-n-propylamine
Concen: 18.148 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

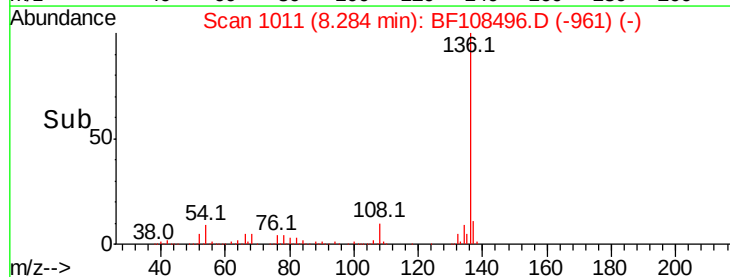
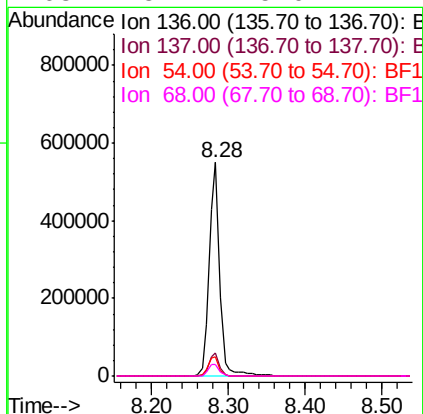
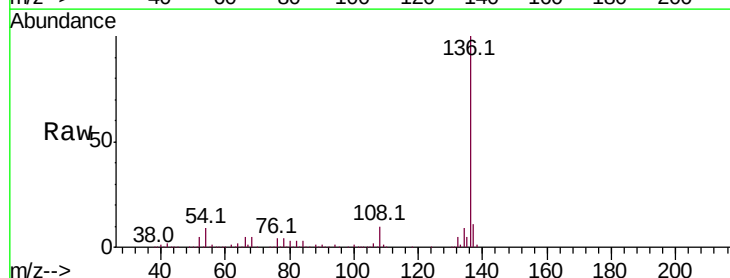
Instrument :
BNA_F
ClientSampleId :

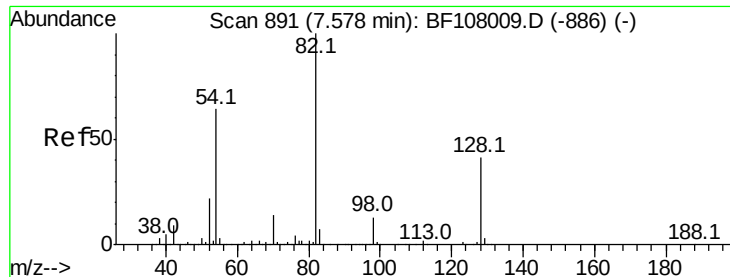
Tot Ion:	70	Resp:	127088
Ion	Ratio	Lower	Upper
70	100		
42	50.7	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Tgt Ion:	136	Resp:	511429
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.2	6.6	9.8
68	5.4	5.0	7.4

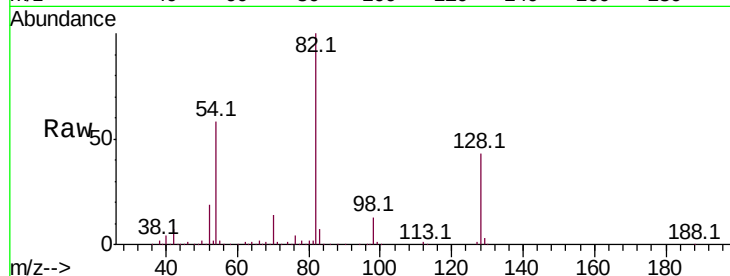




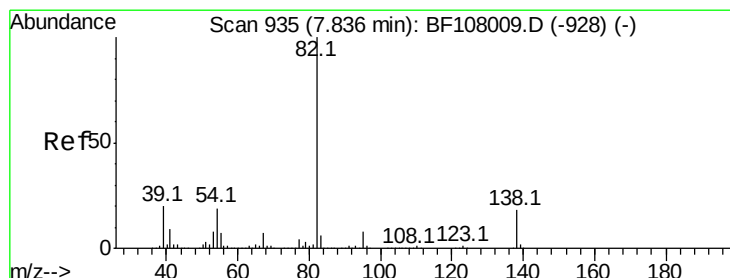
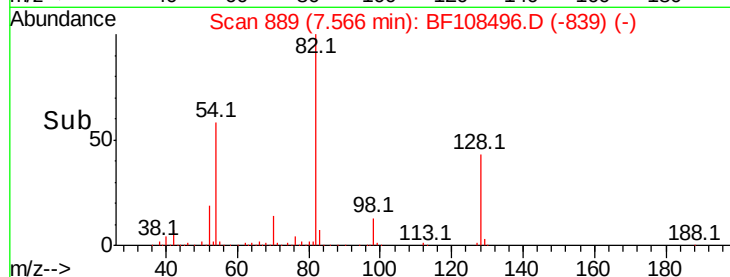
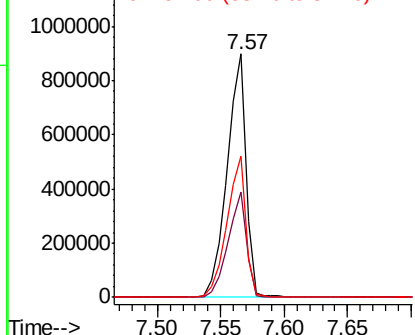
#23
Nitrobenzene-d5
Concen: 101.508 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 930340
Ion Ratio Lower Upper
82 100
128 43.2 36.1 54.1
54 57.8 41.4 62.2

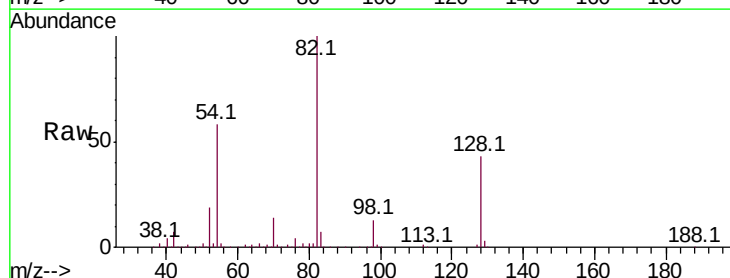


Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

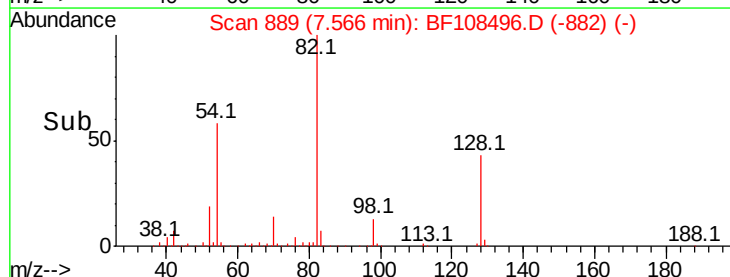
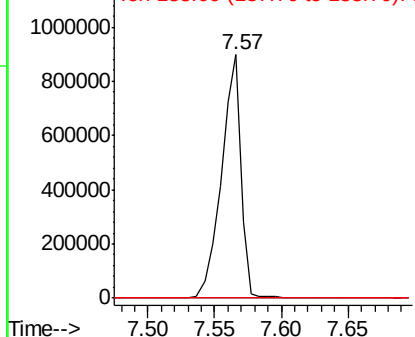


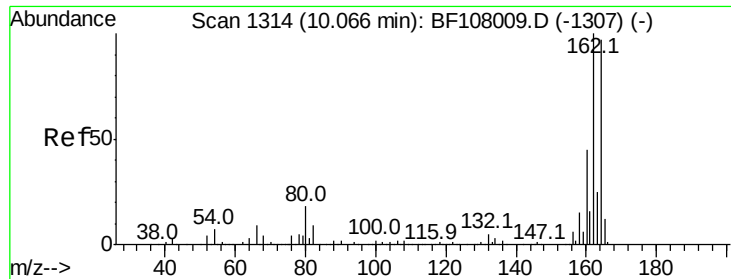
#25
Isophorone
Concen: 53.255 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Tgt Ion: 82 Resp: 930327
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
1200000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

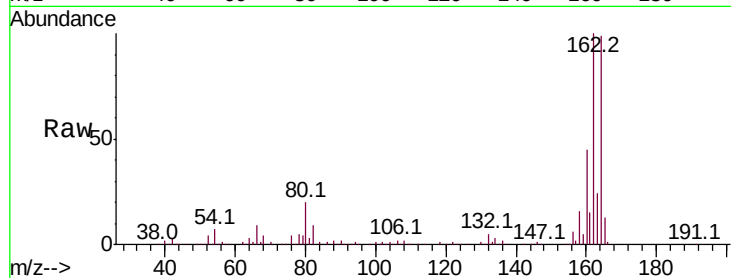




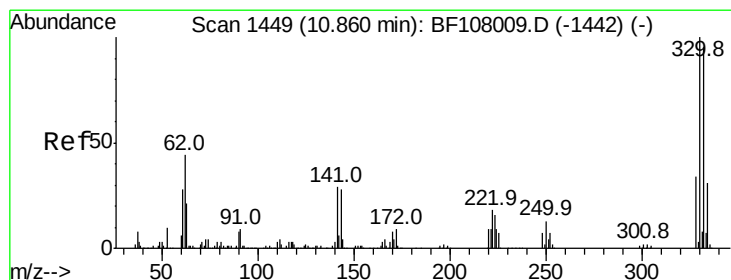
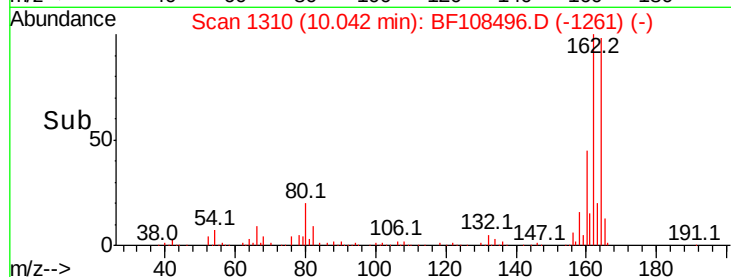
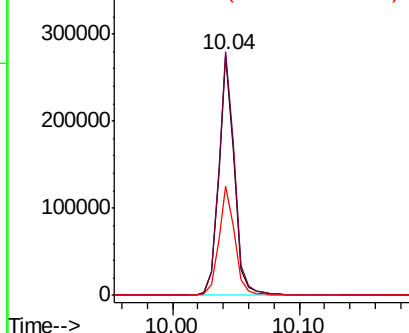
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	45.7	38.3	57.5

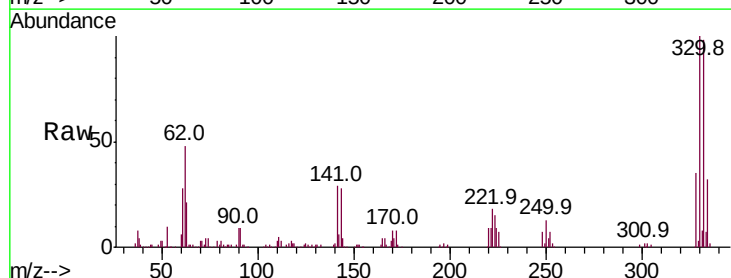


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

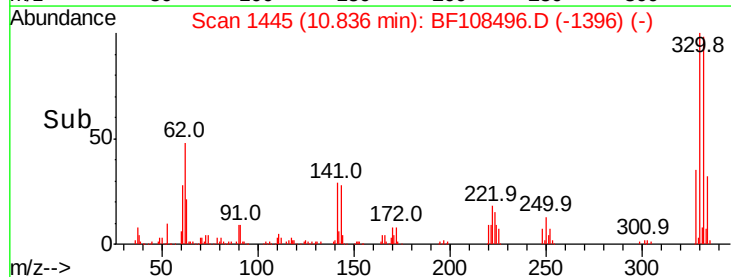
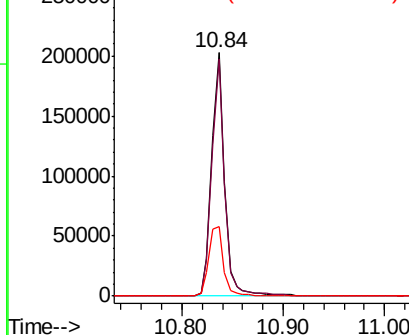


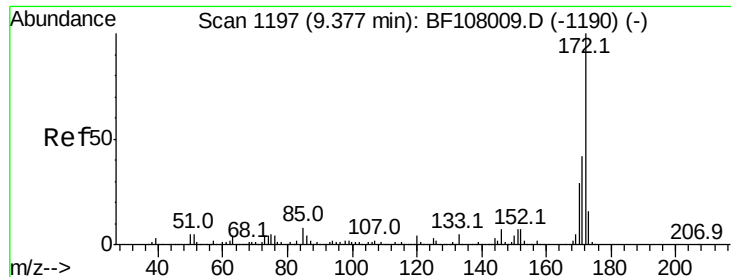
#41
 2,4,6-Tribromophenol
 Concen: 77.971 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.8	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



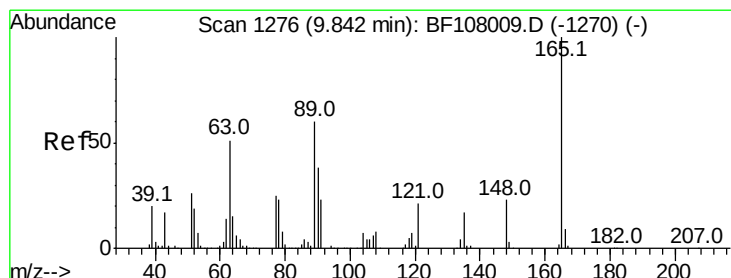
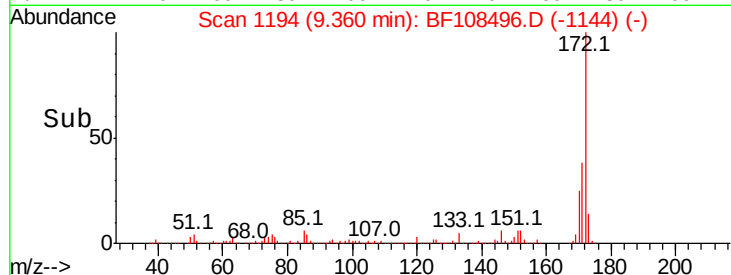
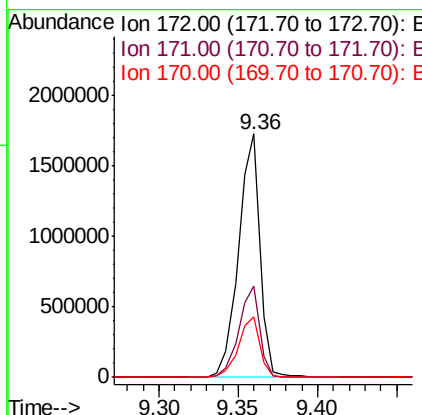
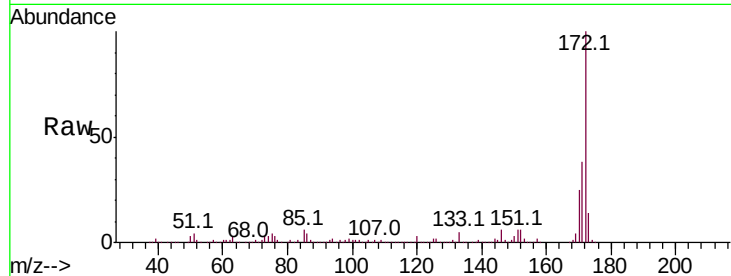


#44
 2-Fluorobiphenyl
 Concen: 109.927 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1615733

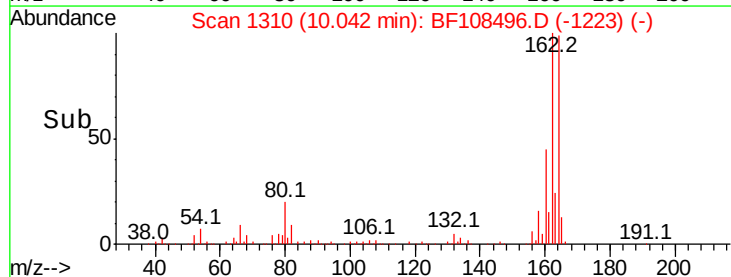
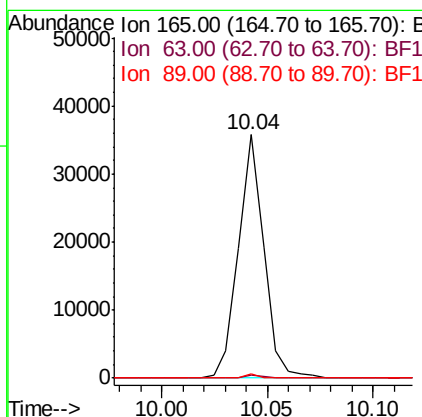
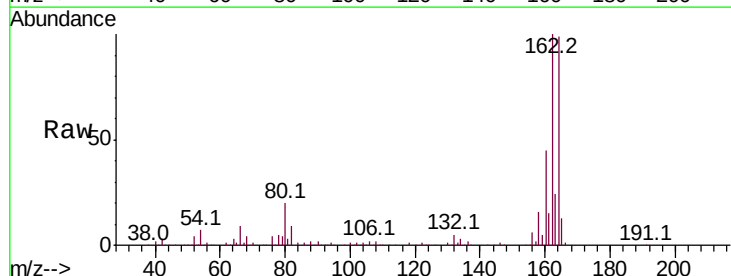
Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.7	44.5
170	25.0	19.6	29.4

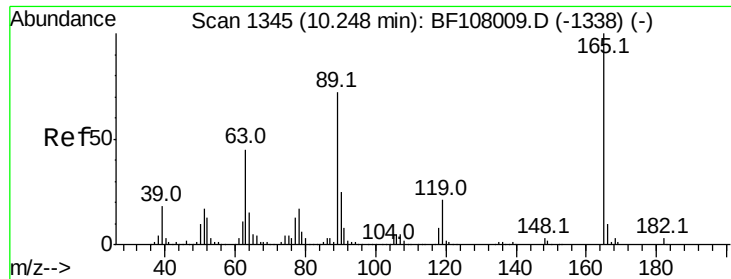


#50
 2,6-Dinitrotoluene
 Concen: 8.647 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Tgt Ion:165 Resp: 29737

Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.5	44.0	66.0#

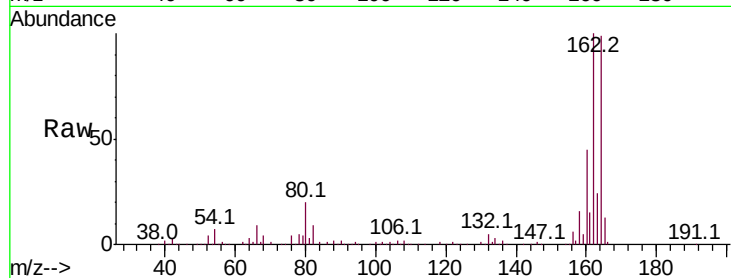




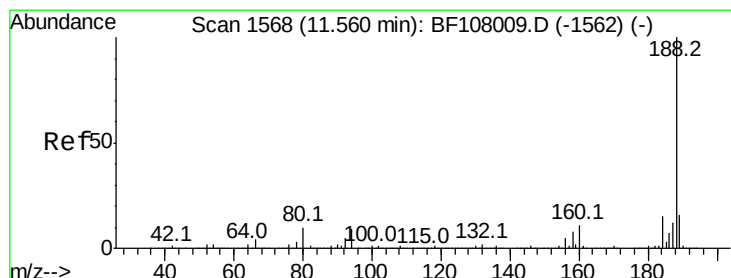
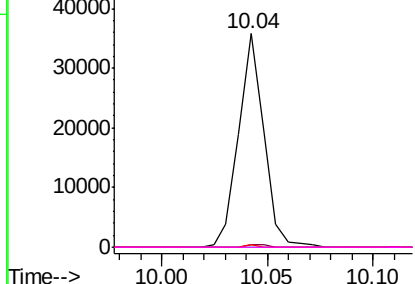
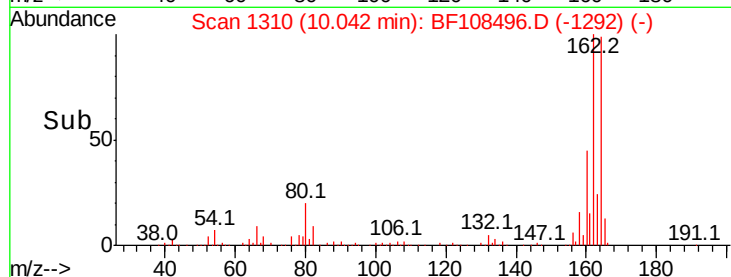
#56
 2,4-Dinitrotoluene
 Concen: 6.718 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	29737
Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

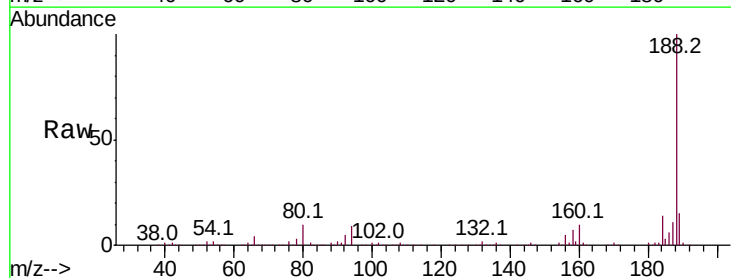


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

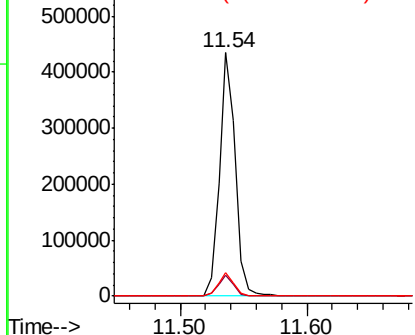
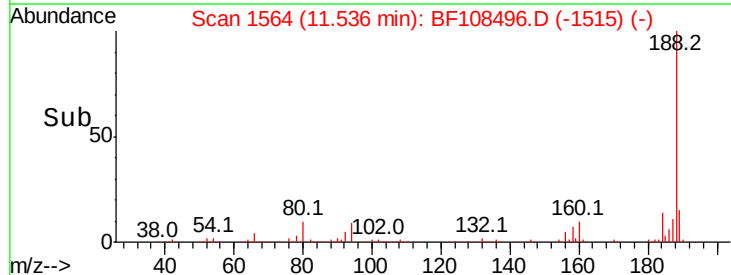


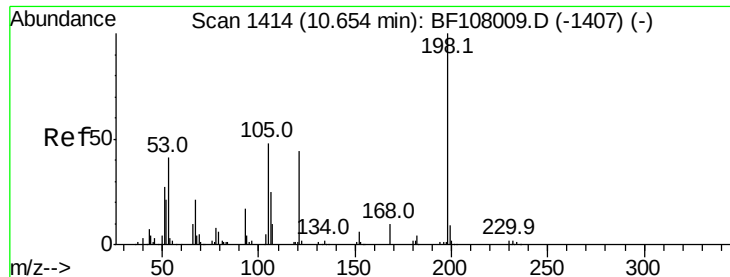
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Tgt Ion:	188	Resp:	382585
Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.7	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

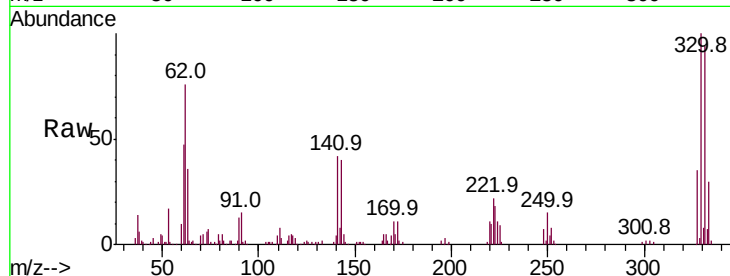




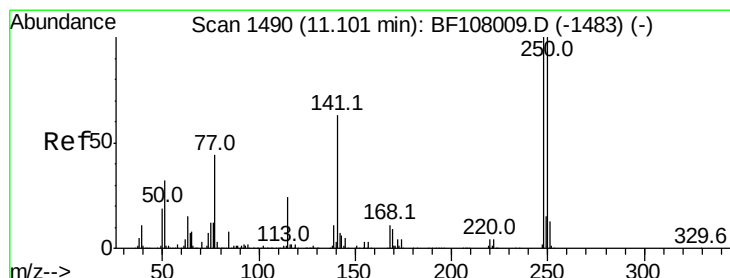
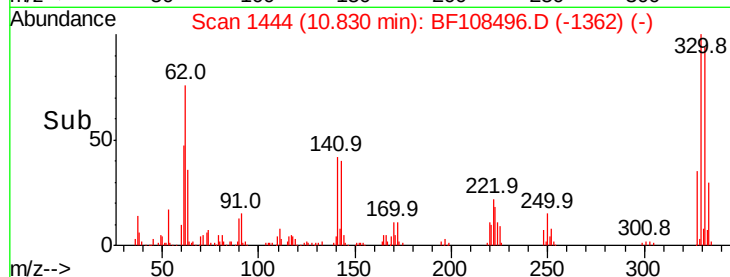
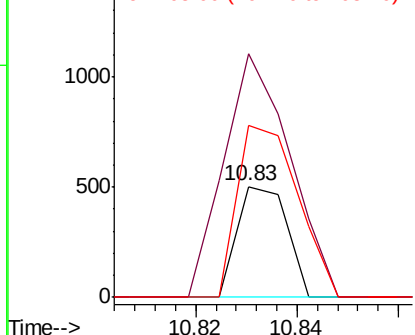
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.569 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. 0.18 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 341
 Ion Ratio Lower Upper
 198 100
 51 219.9 37.7 77.7#
 105 155.4 36.3 76.3#

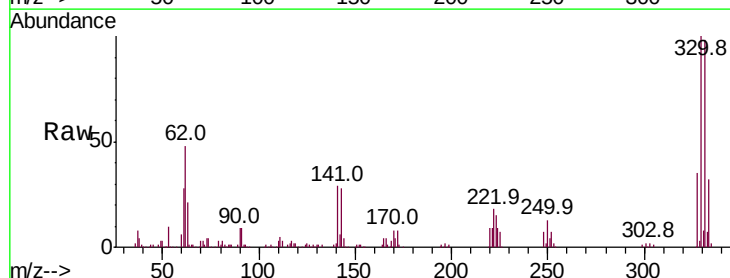


Abundance Ion 198.00 (197.70 to 198.70): E
 1500 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

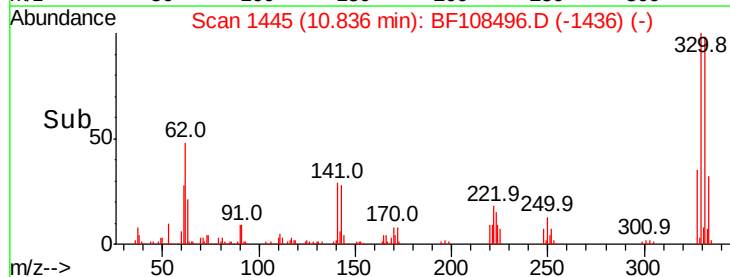
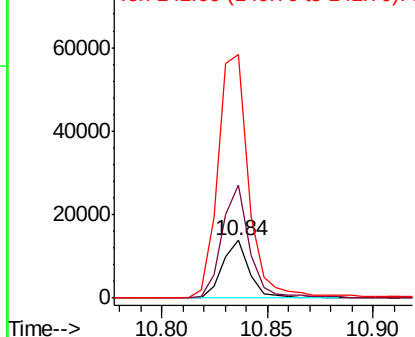


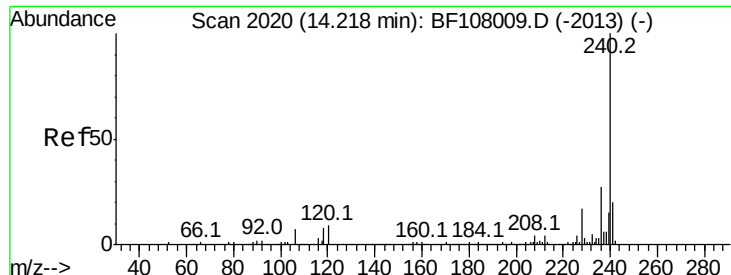
#66
 4-Bromophenyl-phenylether
 Concen: 2.906 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108496.D
 Acq: 25 Aug 2018 7:11

Tgt Ion:248 Resp: 12082
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.9 115.3#
 141 423.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 80000 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: BF108496.D

Acq: 25 Aug 2018 7:11

Instrument :

BNA_F

ClientSampleId :

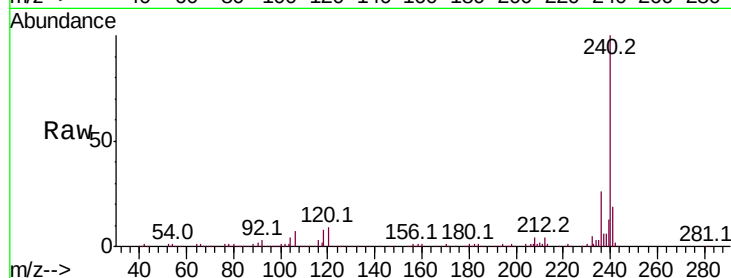
Tot Ion:240 Resp: 287788

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

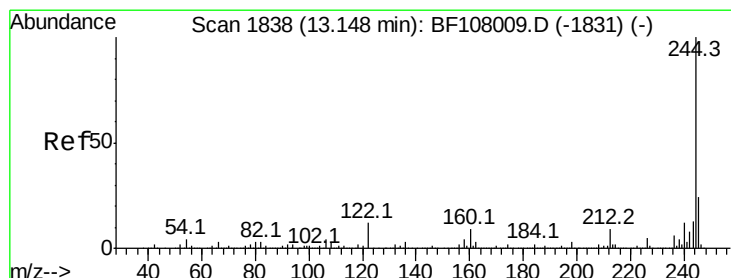
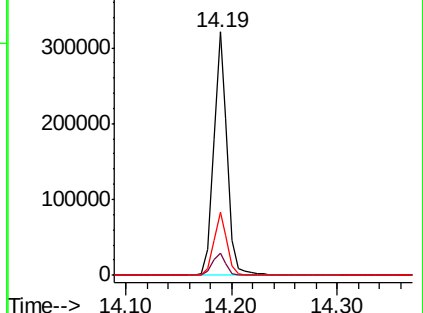
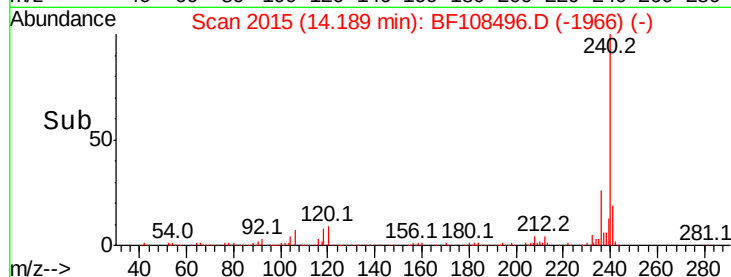
236 26.0 20.7 31.1



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: 102.743 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108496.D

Acq: 25 Aug 2018 7:11

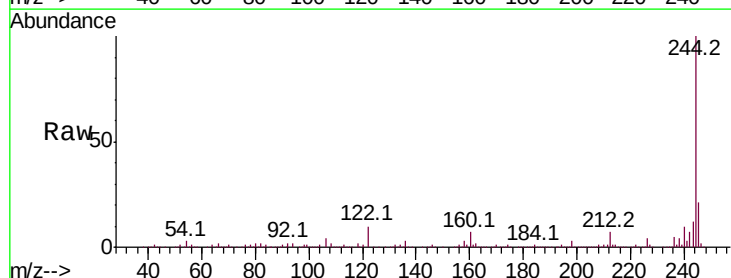
Tgt Ion:244 Resp: 1162921

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

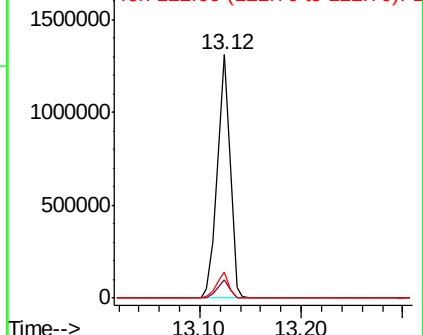
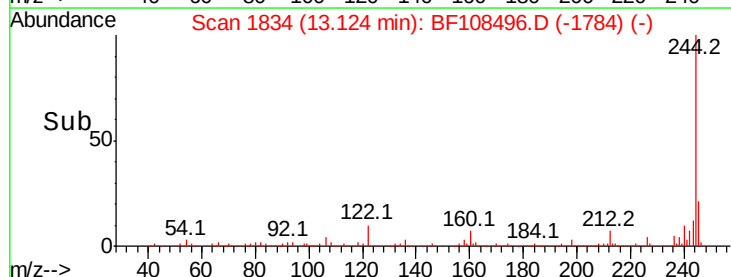
122 10.5 11.0 16.4#

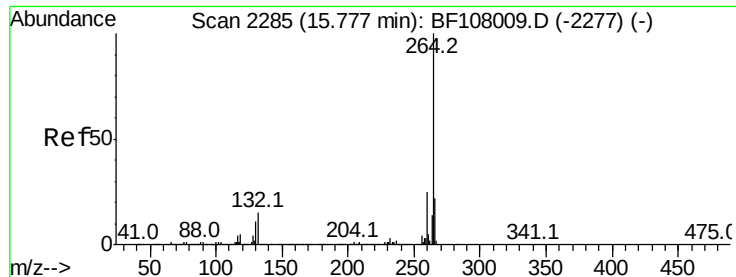


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

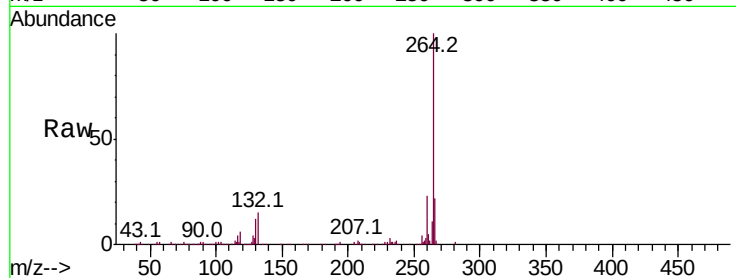




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108496.D
Acq: 25 Aug 2018 7:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	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

