

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108156.D
 Acq On : 14 Aug 2018 20:23
 Operator : JU/SJ
 Sample : J4431-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 10:56:51 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	179225	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	605589	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	255836	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	474934	20.00	ng	0.00
75) Chrysene-d12	14.21	240	444769	20.00	ng	0.00
86) Perylene-d12	15.78	264	278950	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	590885	59.69	ng	0.02
7) Phenol-d6	6.63	99	466859	35.49	ng	0.00
23) Nitrobenzene-d5	7.58	82	1064646	98.10	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	354977	139.10	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1701321	106.76	ng	0.00
78) Terphenyl-d14	13.15	244	1850052	105.76	ng	0.00

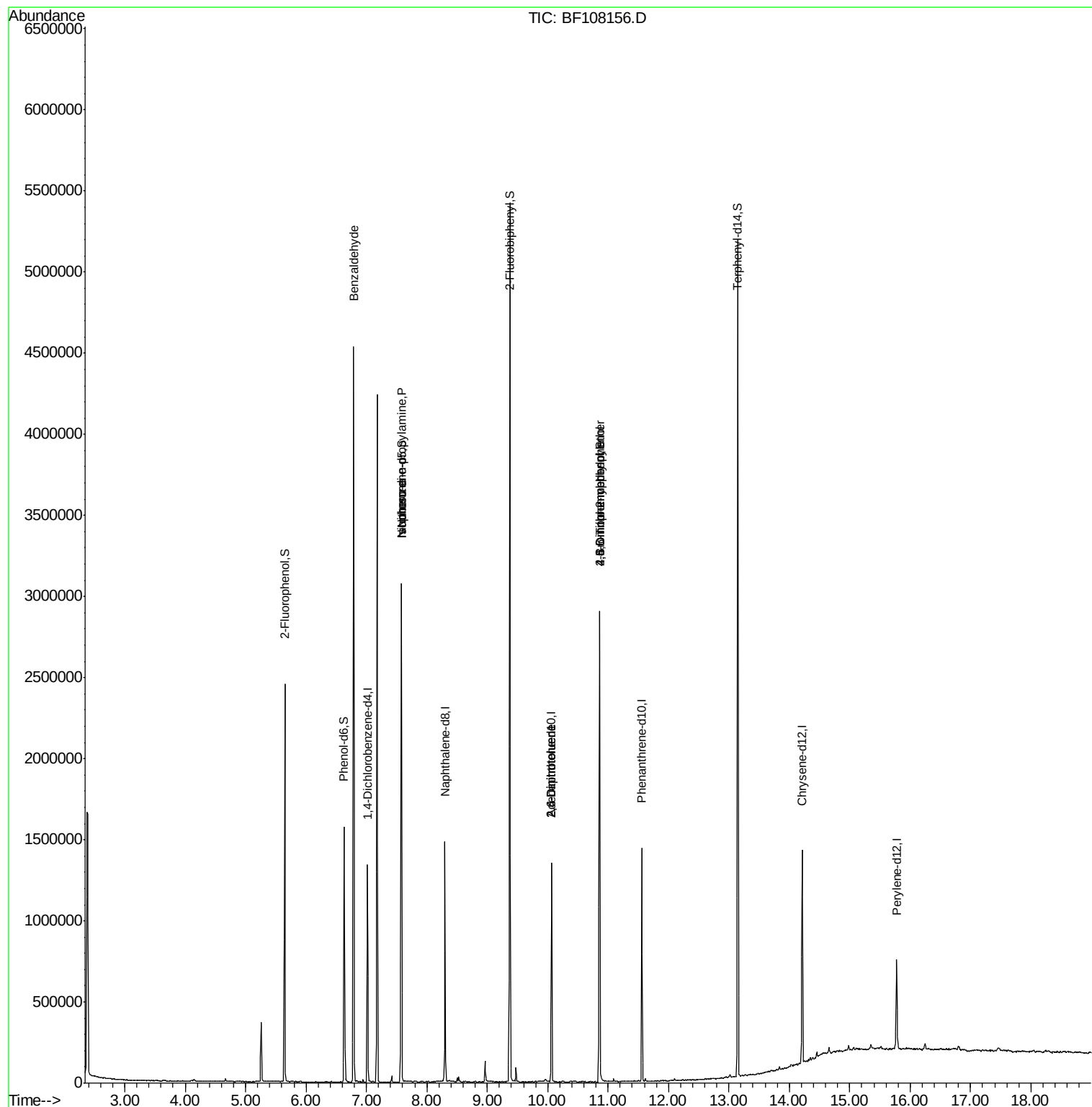
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.79	77	27588	2.705	ng	# 71
19) n-Nitroso-di-n-propylamine	7.58	70	146543	16.473	ng	# 82
25) Isophorone	7.58	82	1064631	51.468	ng	# 64
50) 2,6-Dinitrotoluene	10.07	165	31615	8.479	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	31615	6.587	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	899	5.806	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	23386	4.531	ng	# 1

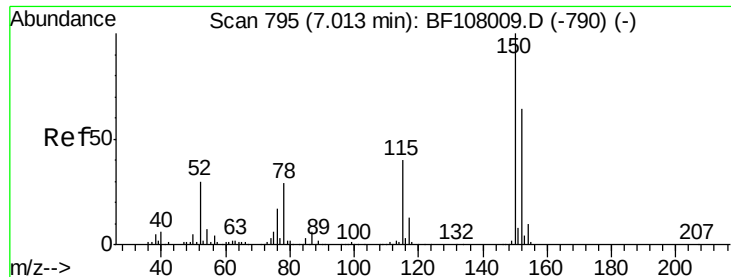
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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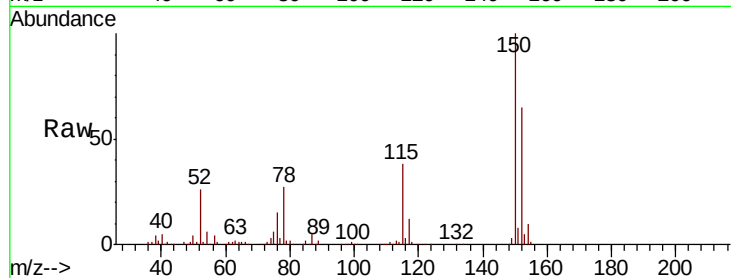


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	57.8	50.1	75.1

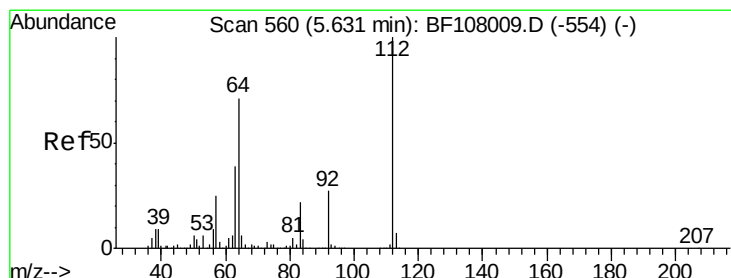
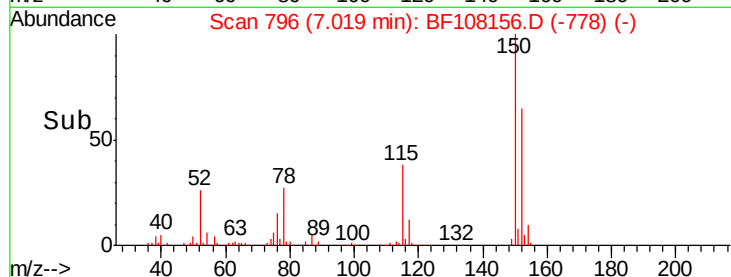
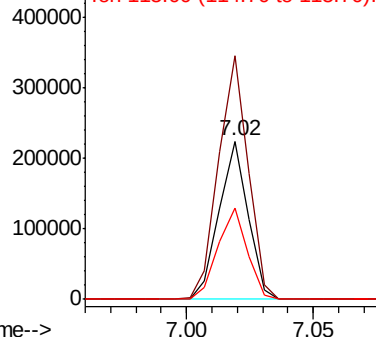


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

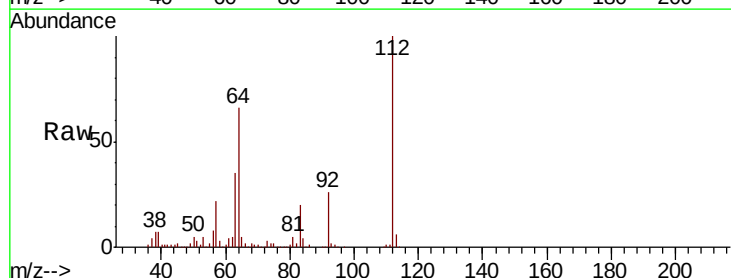
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.689 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	34.9	23.7	35.5

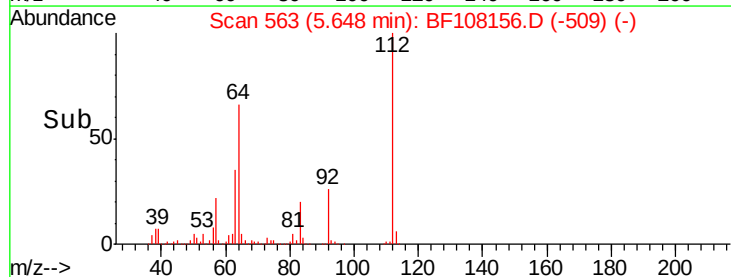
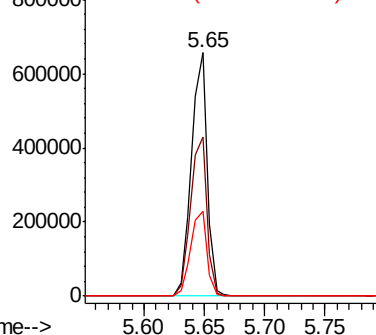


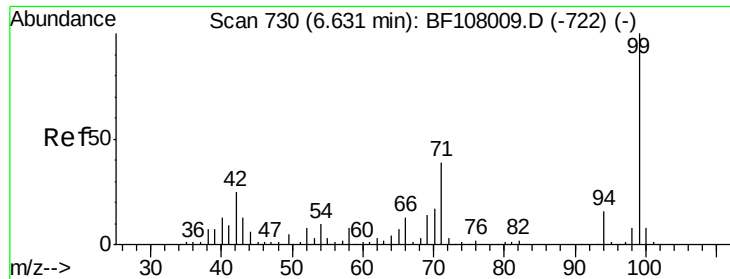
Abundance

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: 35.489 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

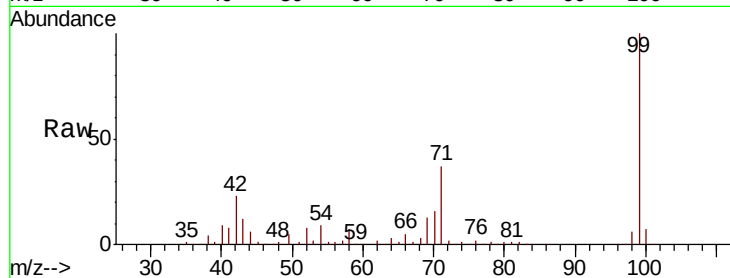
Lab File: BF108156.D

Acq: 14 Aug 2018 20:23

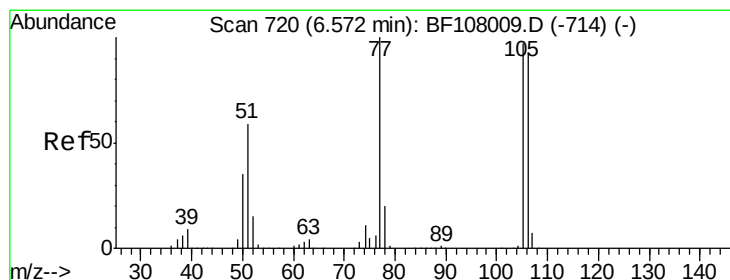
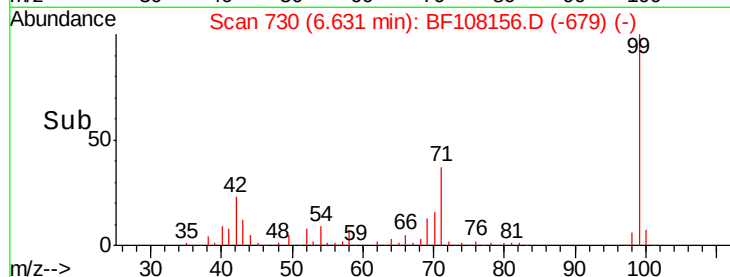
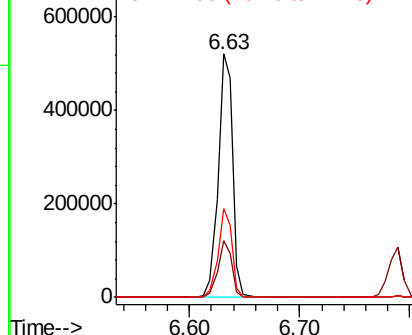
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 466859

Ion	Ratio	Lower	Upper
99	100		
42	23.2	14.5	21.7#
71	36.6	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



#9

Benzaldehyde

Concen: 2.705 ng

RT: 6.79 min Scan# 757

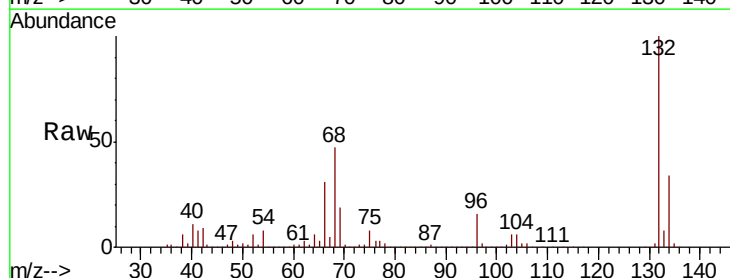
Delta R.T. 0.22 min

Lab File: BF108156.D

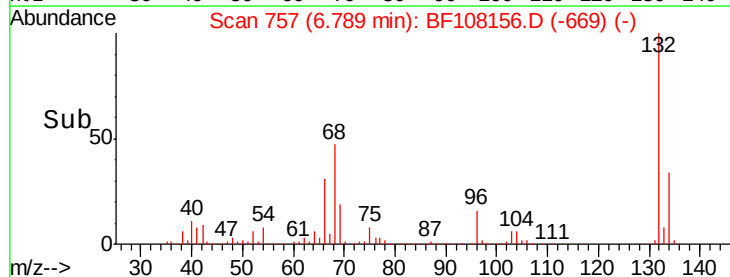
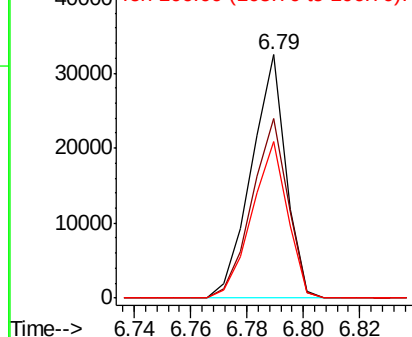
Acq: 14 Aug 2018 20:23

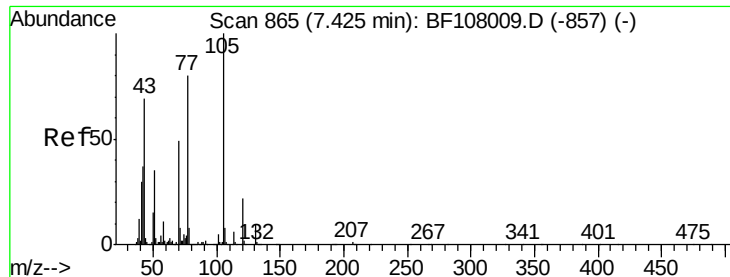
Tgt Ion: 77 Resp: 27588

Ion	Ratio	Lower	Upper
77	100		
105	73.9	81.1	121.1#
106	64.5	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: 16.473 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108156.D

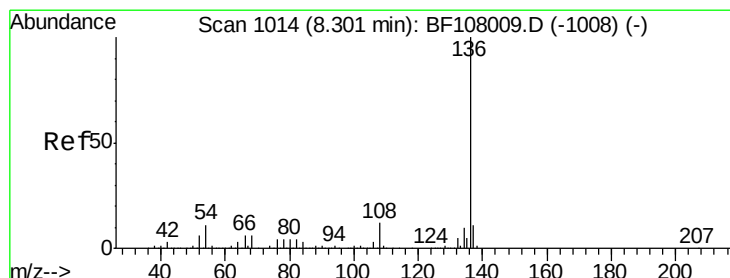
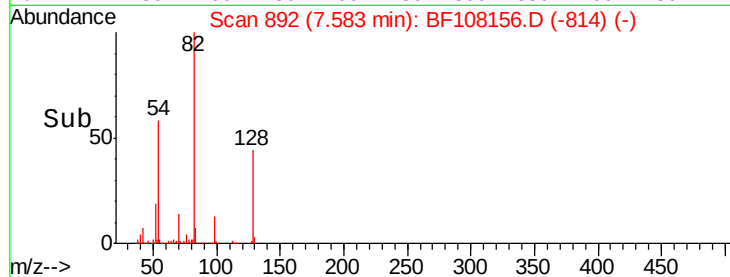
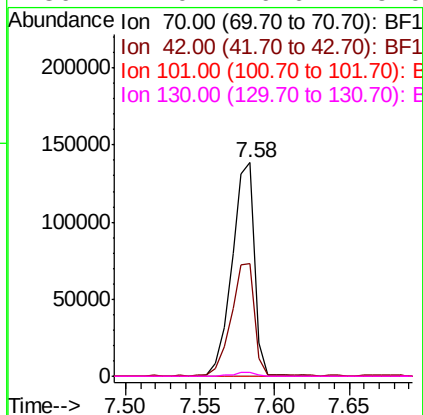
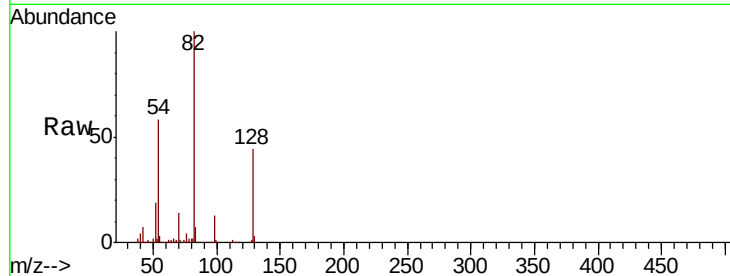
Acq: 14 Aug 2018 20:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	146543
Ion	Ratio	Lower	Upper
70	100		
42	52.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

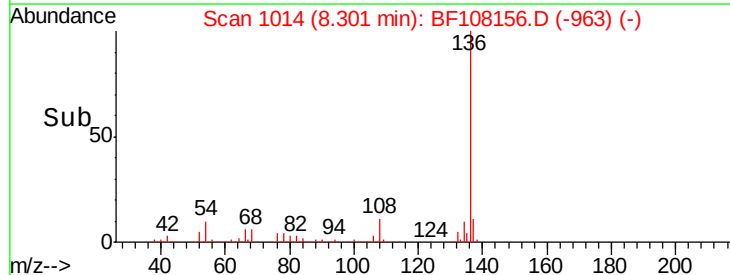
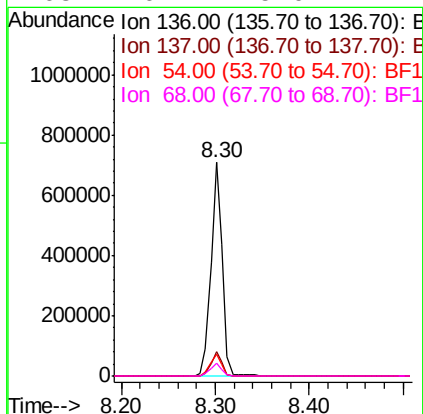
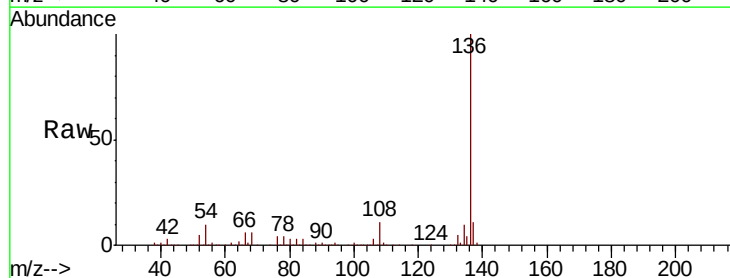
RT: 8.30 min Scan# 1014

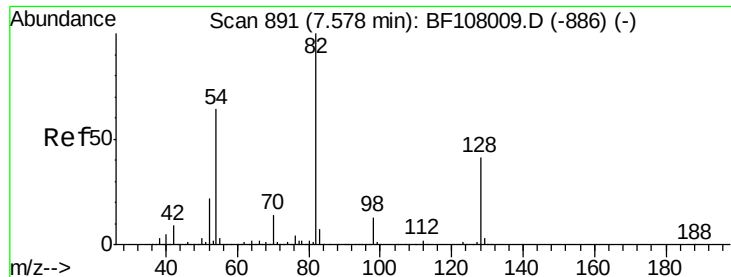
Delta R.T. 0.00 min

Lab File: BF108156.D

Acq: 14 Aug 2018 20:23

Tgt Ion:	136	Resp:	605589
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.5	6.6	9.8#
68	6.2	5.0	7.4

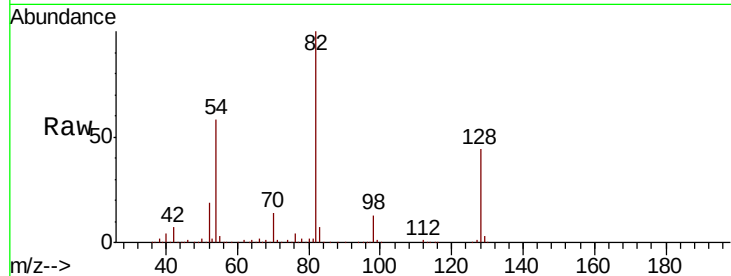




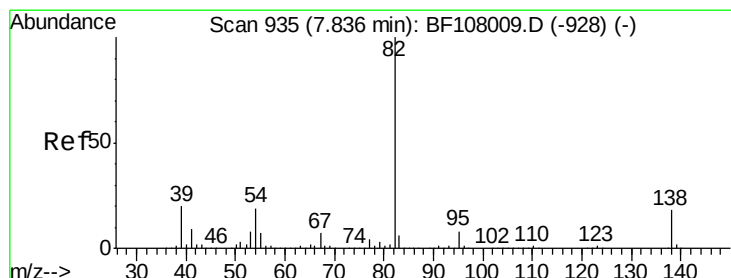
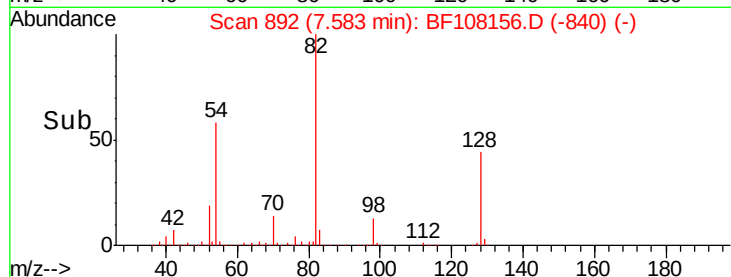
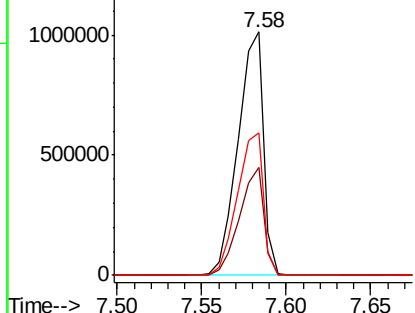
#23
 Nitrobenzene-d5
 Concen: 98.101 ng
 RT: 7.58 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1064646
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 58.3 41.4 62.2

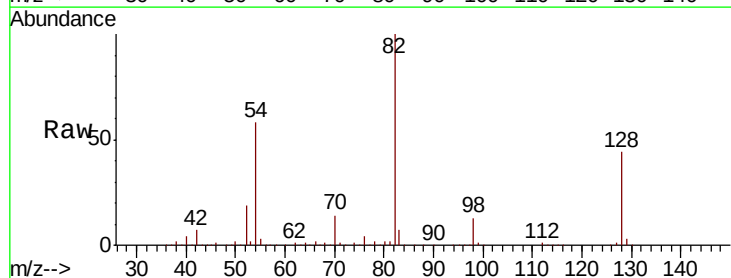


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

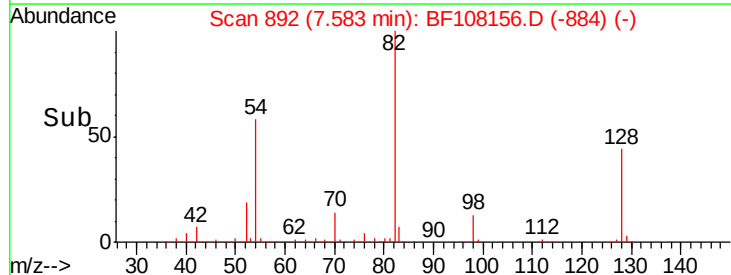
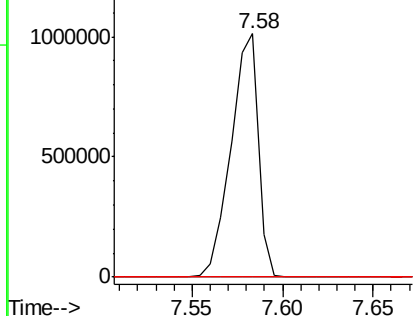


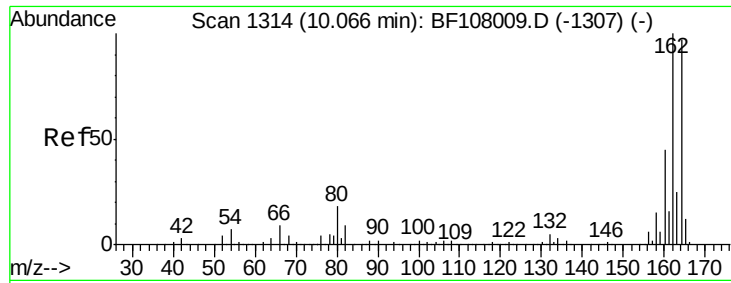
#25
 Isophorone
 Concen: 51.468 ng
 RT: 7.58 min Scan# 892
 Delta R.T. -0.25 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Tgt Ion: 82 Resp: 1064631
 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

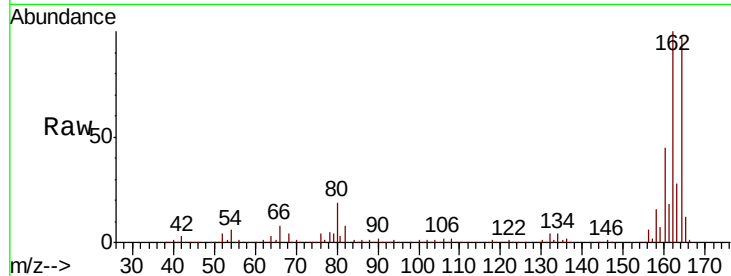




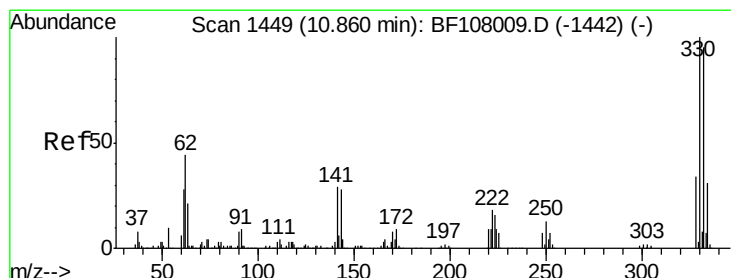
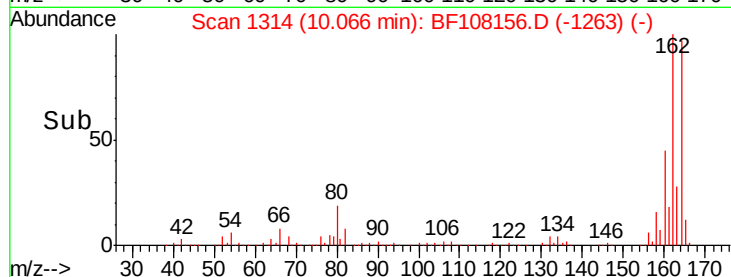
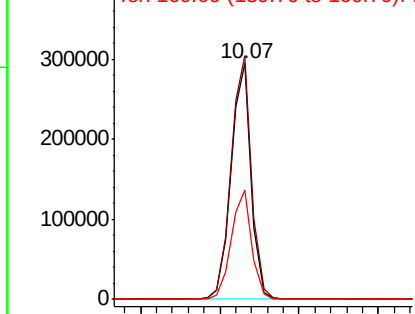
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 255836
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 46.3 38.3 57.5

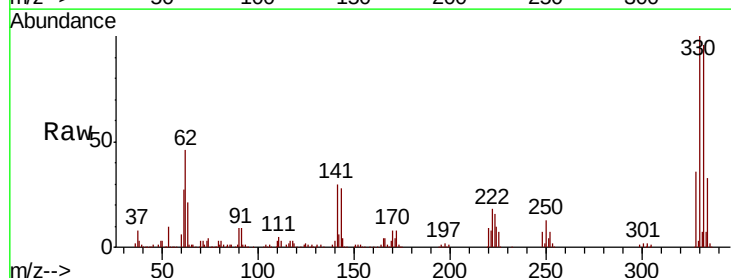


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

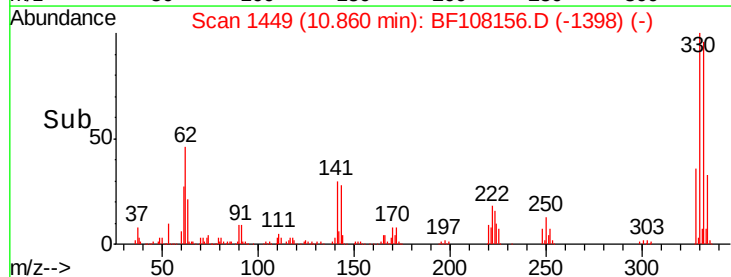
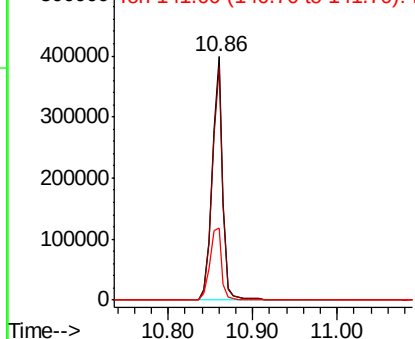


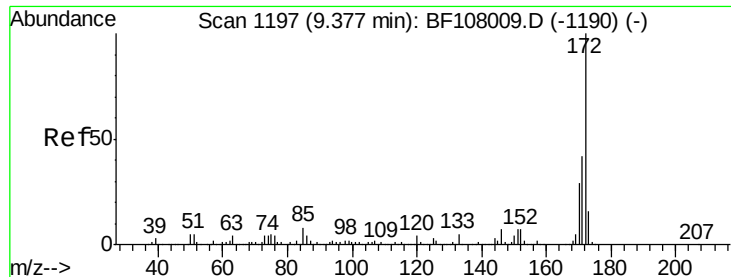
#41
 2,4,6-Tribromophenol
 Concen: 139.103 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Tgt Ion:330 Resp: 354977
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 33.0 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

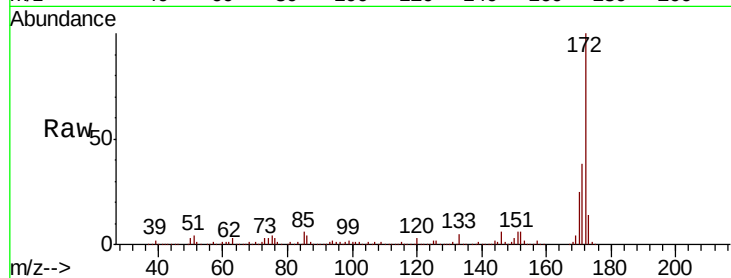




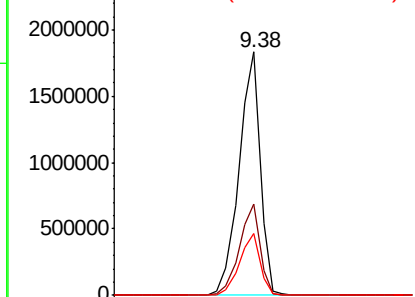
#44
2-Fluorobiphenyl
Concen: 106.764 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Instrument :
BNA_F
ClientSampleId :

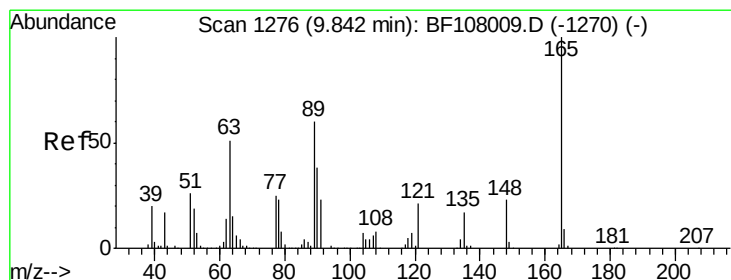
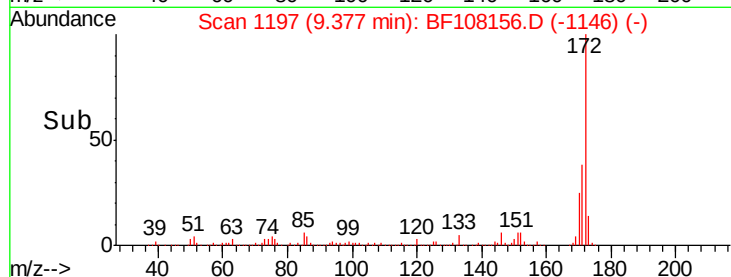
Tot Ion:172 Resp: 1701321
Ion Ratio Lower Upper
172 100
171 37.7 29.7 44.5
170 25.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

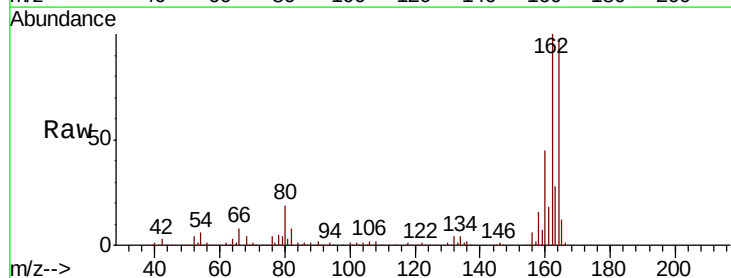


Time--> 9.30 9.35 9.40 9.45

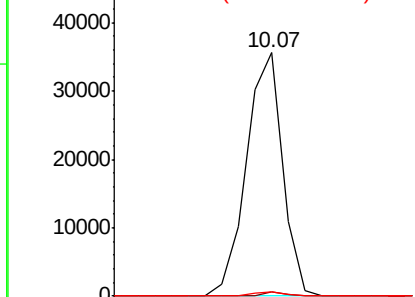


#50
2,6-Dinitrotoluene
Concen: 8.479 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.22 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

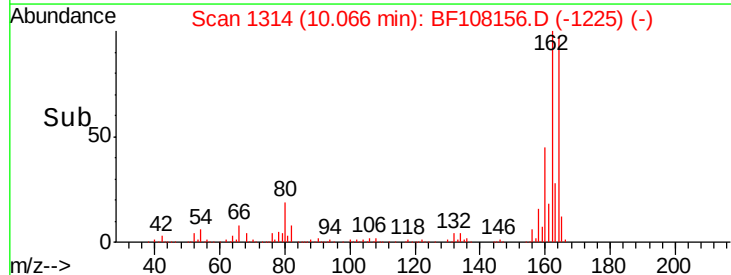
Tgt Ion:165 Resp: 31615
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.8 44.0 66.0#

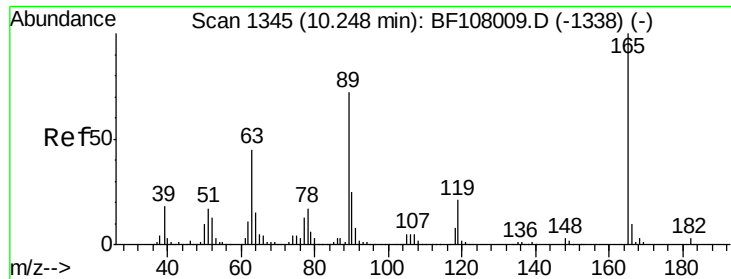


Abundance Ion 165.00 (164.70 to 165.70): E
40000
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



Time--> 10.05 10.10

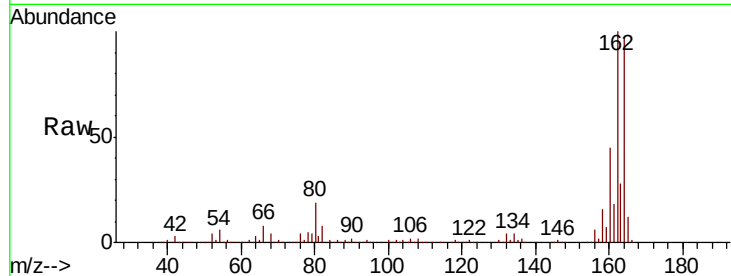




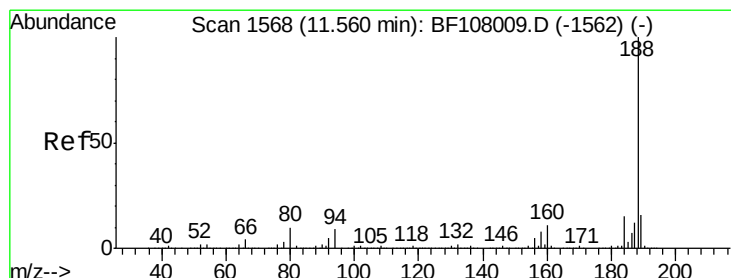
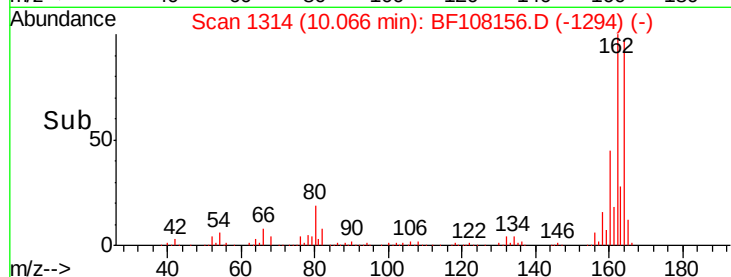
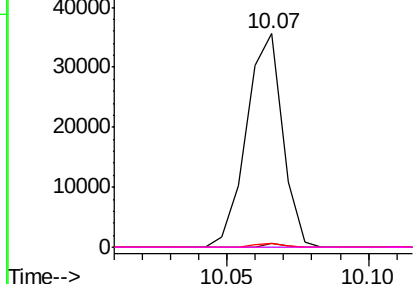
#56
 2,4-Dinitrotoluene
 Concen: 6.587 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	31615
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

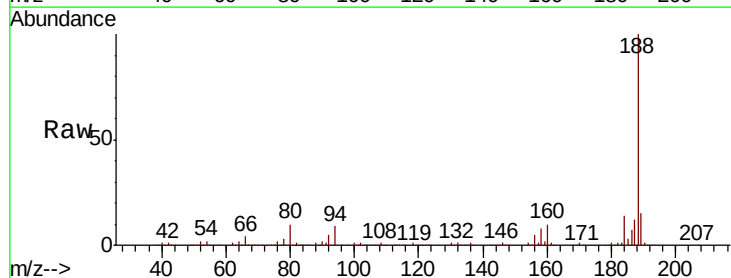


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

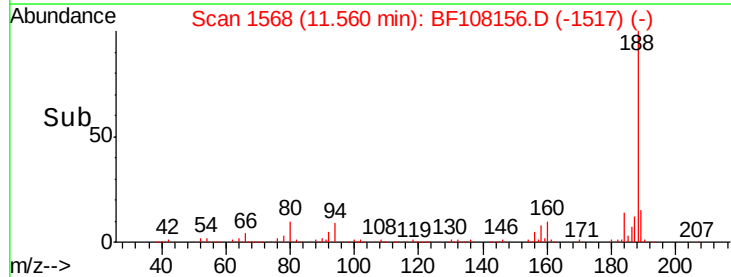
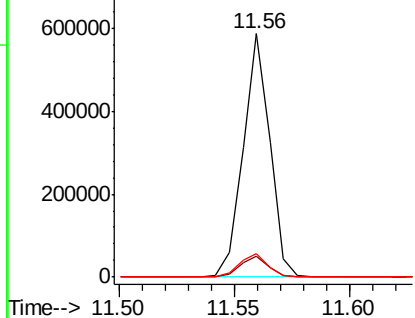


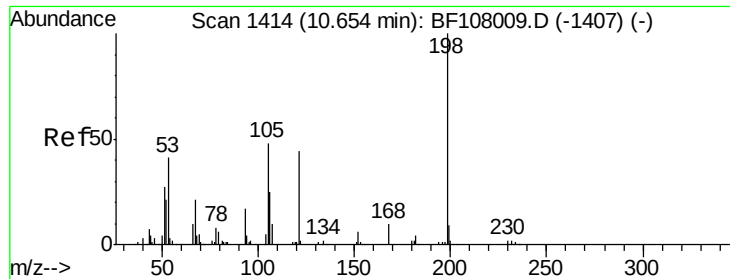
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108156.D
 Acq: 14 Aug 2018 20:23

Tgt Ion:	188	Resp:	474934
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.9	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

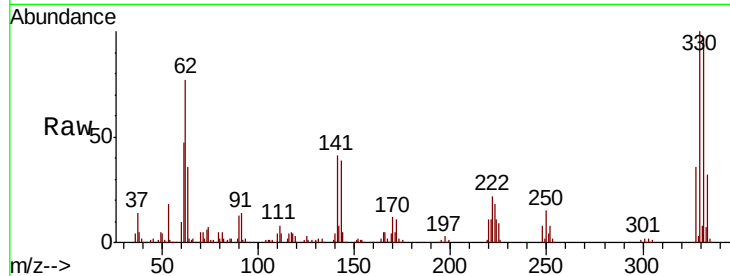




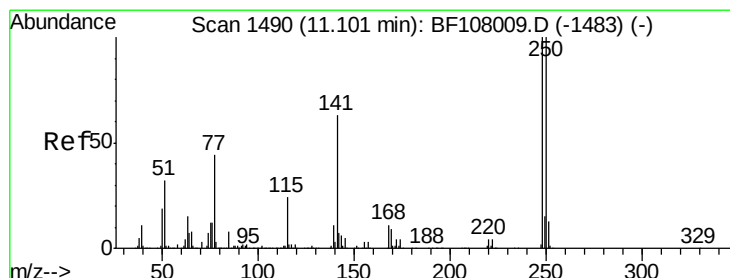
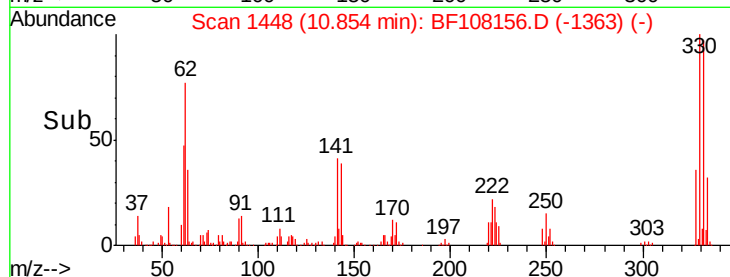
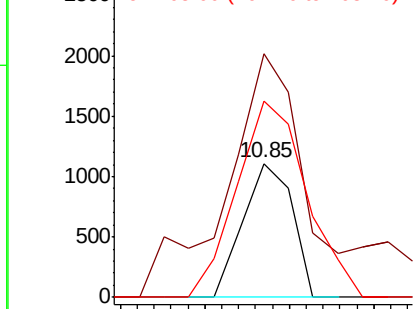
#64
4,6-Dinitro-2-methylphenol
Concen: 5.806 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 899
Ion Ratio Lower Upper
198 100
51 181.9 37.7 77.7#
105 146.2 36.3 76.3#

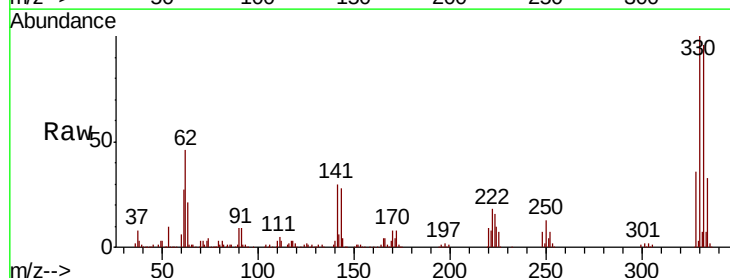


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

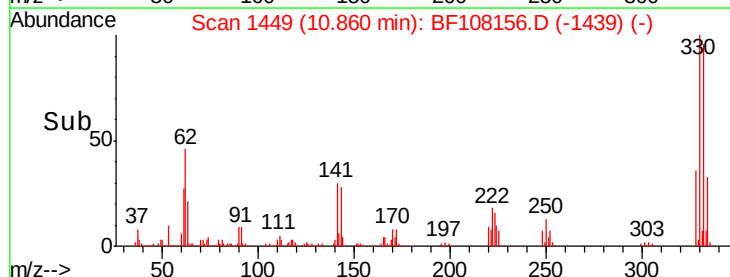
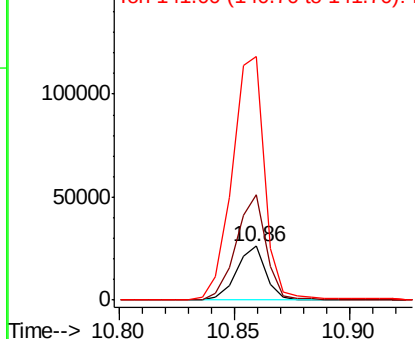


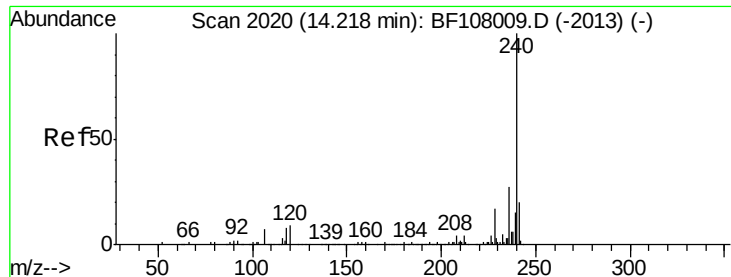
#66
4-Bromophenyl-phenylether
Concen: 4.531 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Tgt Ion:248 Resp: 23386
Ion Ratio Lower Upper
248 100
250 197.3 76.9 115.3#
141 453.3 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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108156.D

Acq: 14 Aug 2018 20:23

Instrument :

BNA_F

ClientSampleId :

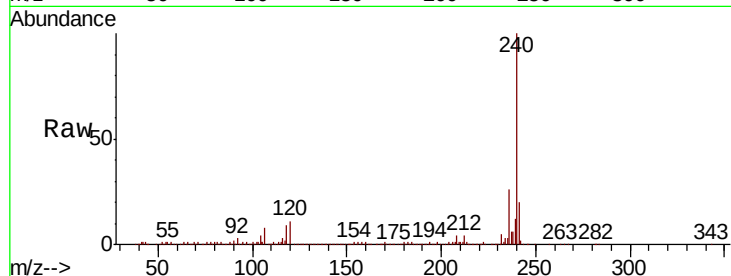
Tot Ion:240 Resp: 444769

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

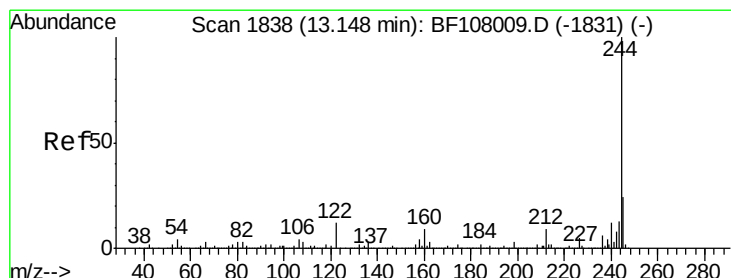
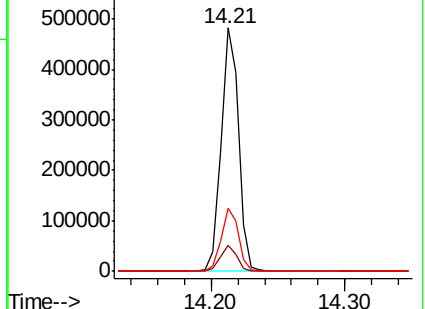
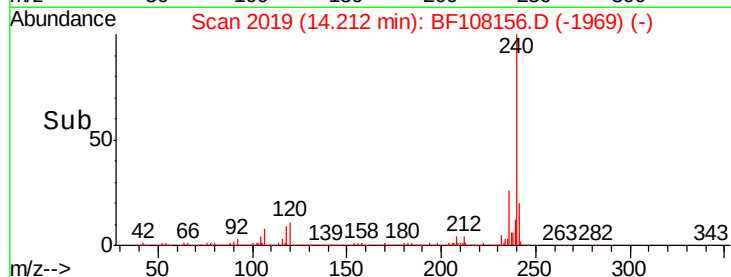
236 26.0 20.7 31.1



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: 105.760 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108156.D

Acq: 14 Aug 2018 20:23

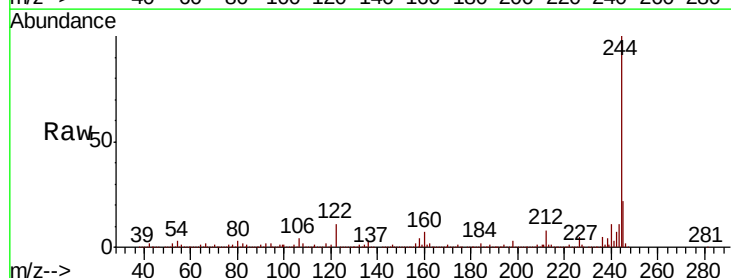
Tgt Ion:244 Resp: 1850052

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

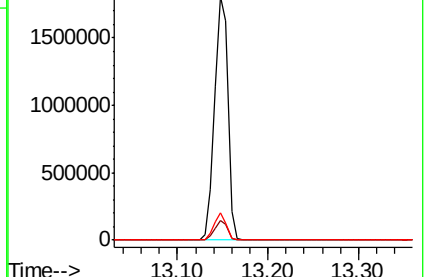
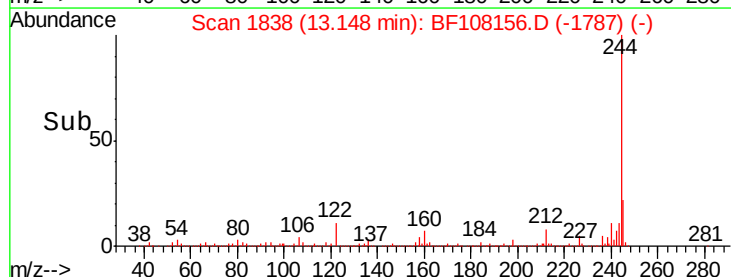
122 11.4 11.0 16.4

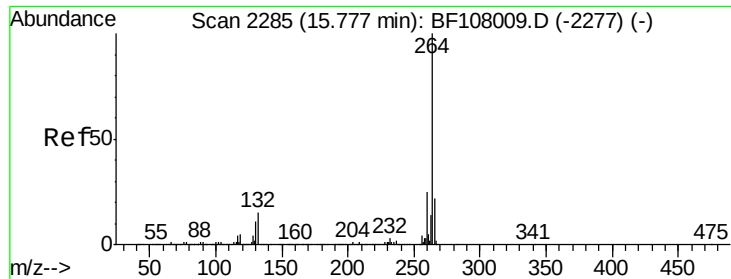


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108156.D
Acq: 14 Aug 2018 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	17.5	26.3

