

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113238.D
 Acq On : 22 Mar 2019 16:53
 Operator : JU/SJ
 Sample : K2011-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:27:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	149506	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	577674	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	288027	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	511537	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	346022	20.00	ng	-0.01
87) Perylene-d12	15.27	264	310297	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	830843	86.45	ng	-0.01
7) Phenol-d6	6.36	99	1044056	86.48	ng	-0.01
23) Nitrobenzene-d5	7.27	82	678595	70.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	309298	101.15	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1309142	72.42	ng	-0.02
79) Terphenyl-d14	12.81	244	1214417	68.03	ng	-0.01

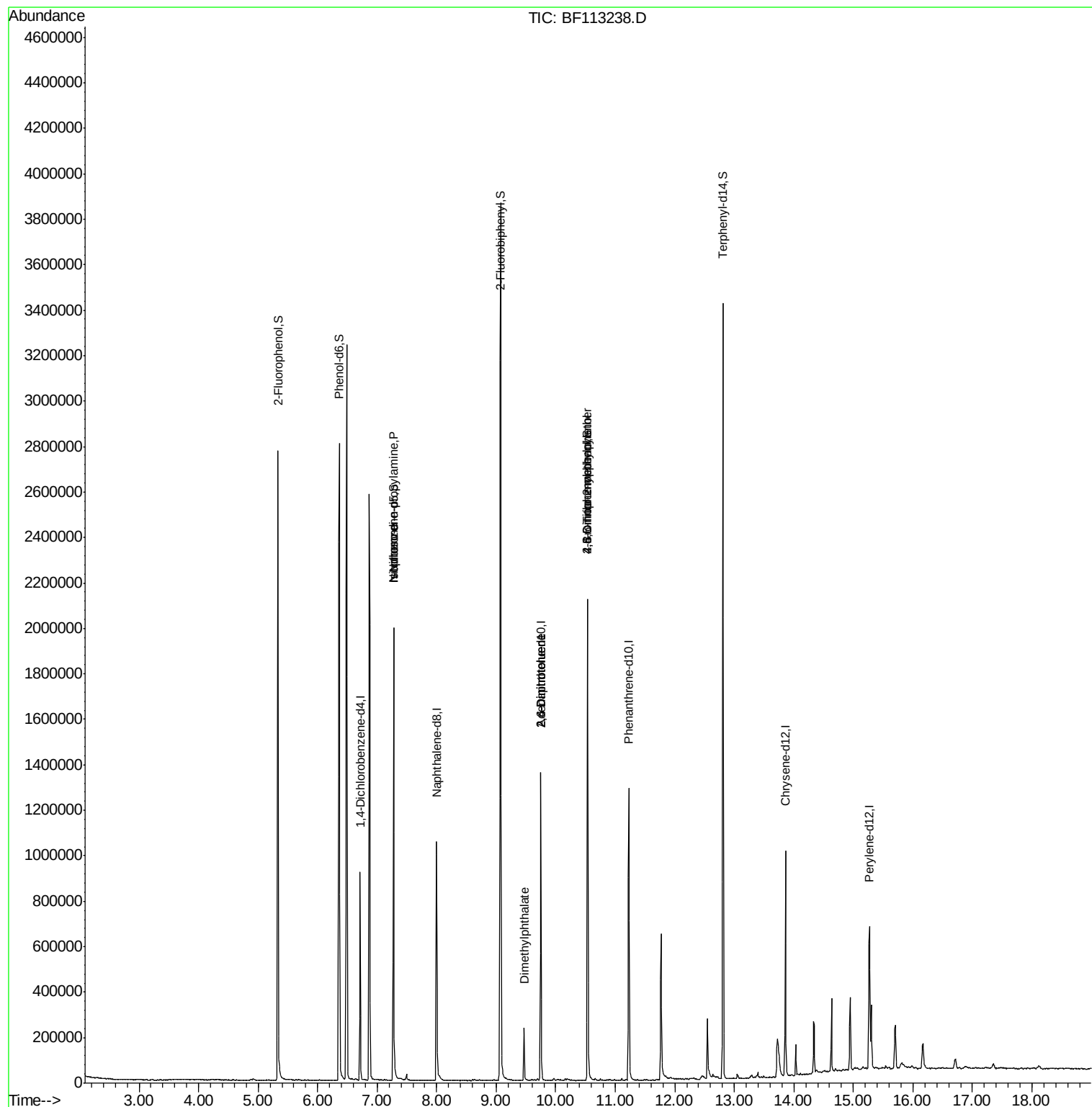
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	86206	11.274	ng	# 76
25) Isophorone	7.27	82	667857	32.112	ng	# 66
50) Dimethylphthalate	9.47	163	109410	5.152	ng	98
51) 2,6-Dinitrotoluene	9.75	165	36631	8.283	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	36631	6.663	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.53	198	356	4.766	ng	# 70
67) 4-Bromophenyl-phenylether	10.53	248	17927	3.327	ng	# 1

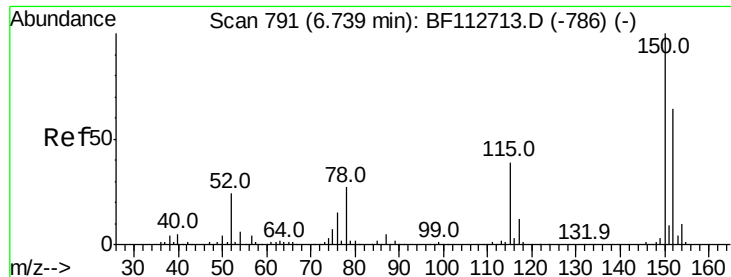
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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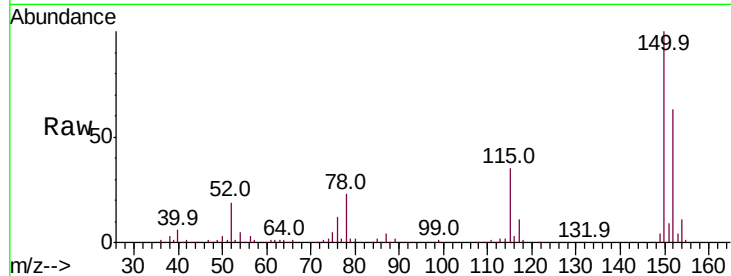


#1

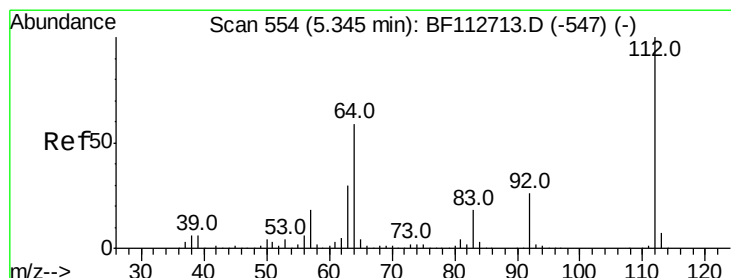
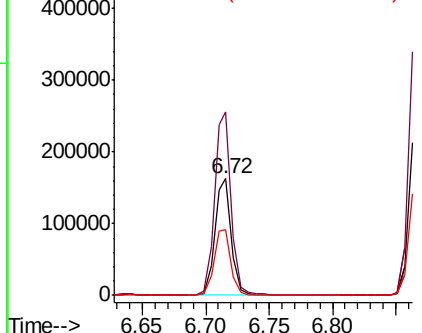
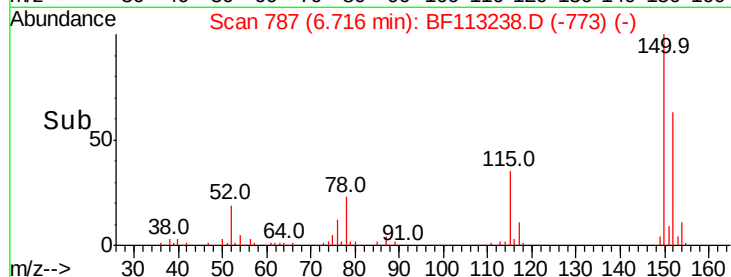
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 149506
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.2 186.2
 115 55.9 48.2 72.4



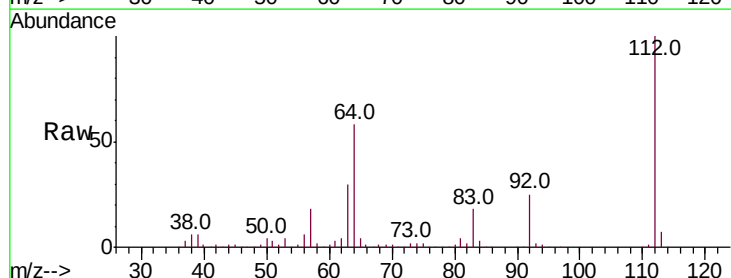
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



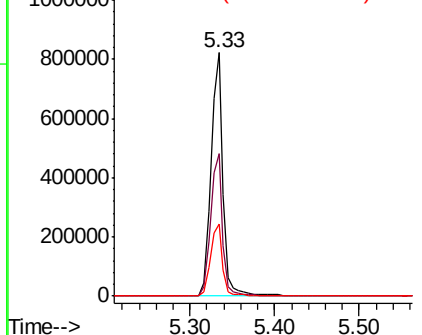
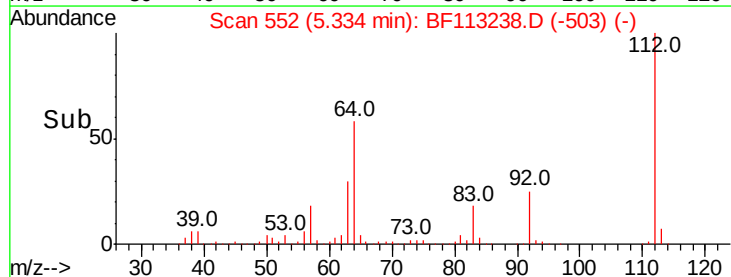
#5

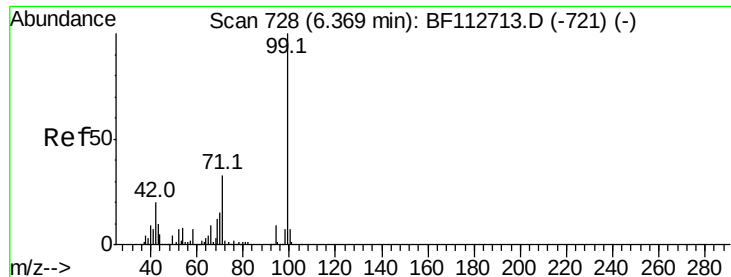
2-Fluorophenol
 Concen: 86.446 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Tgt Ion:112 Resp: 830843
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.6 71.4
 63 29.7 24.4 36.6



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: 86.477 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

Instrument :

BNA_F

ClientSampled :

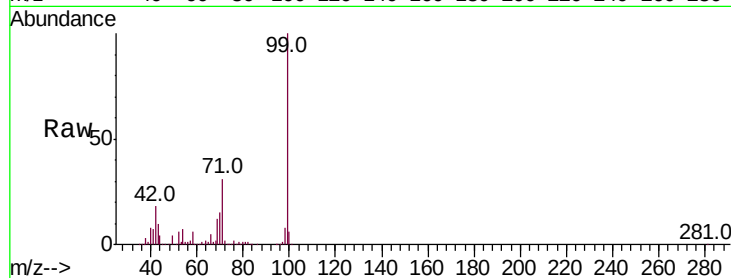
Tot Ion: 99 Resp: 1044056

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

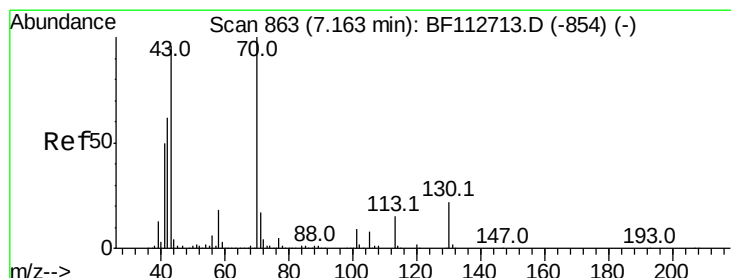
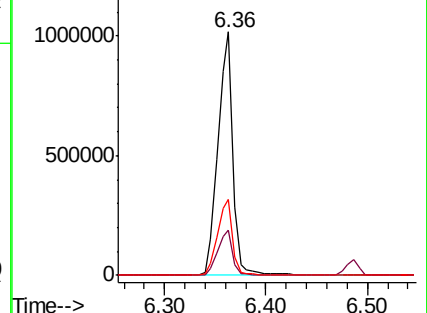
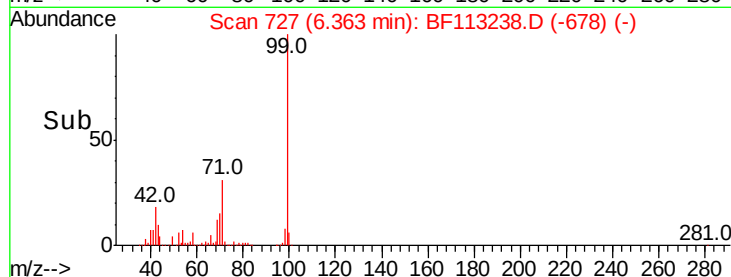
71 31.4 26.2 39.4



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: 11.274 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

Tgt Ion: 70 Resp: 86206

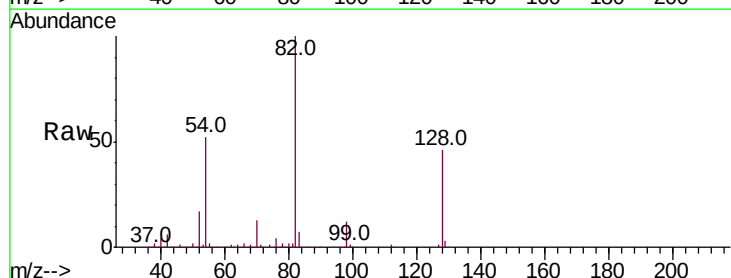
Ion Ratio Lower Upper

70 100

42 48.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

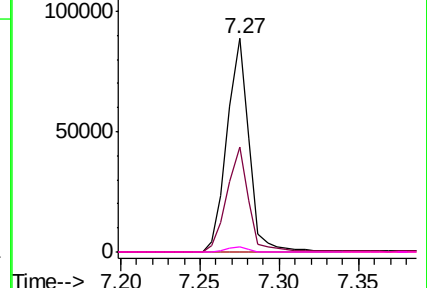
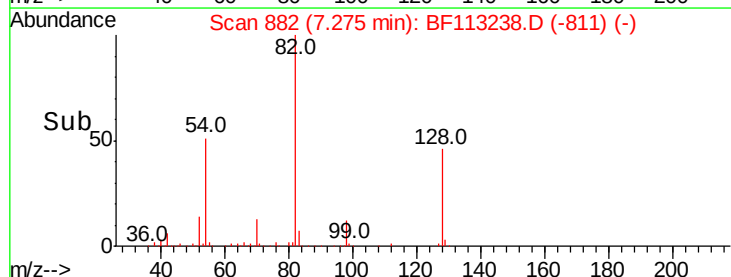


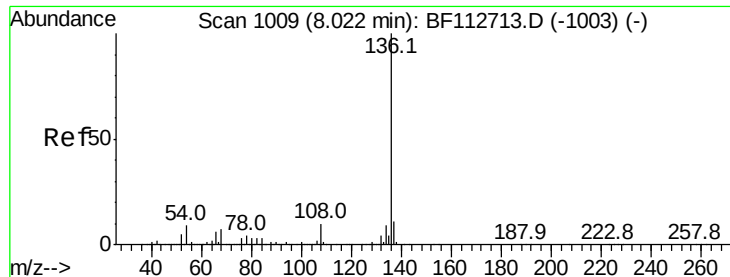
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

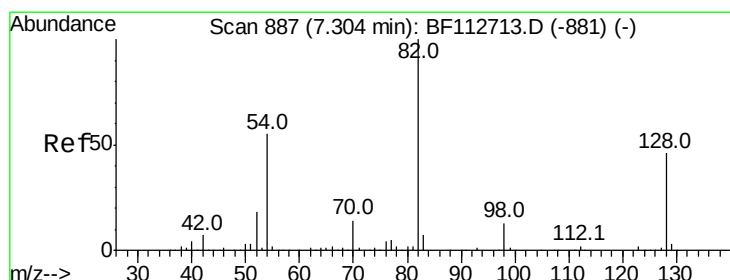
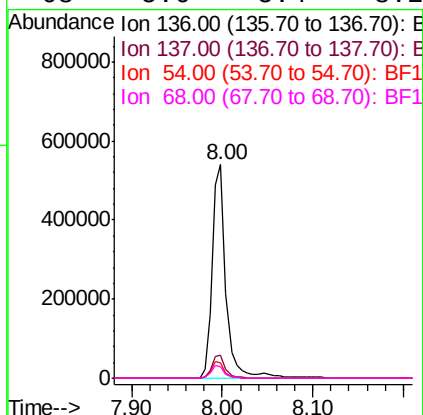
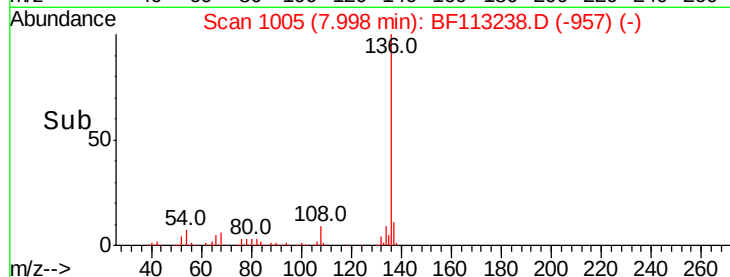
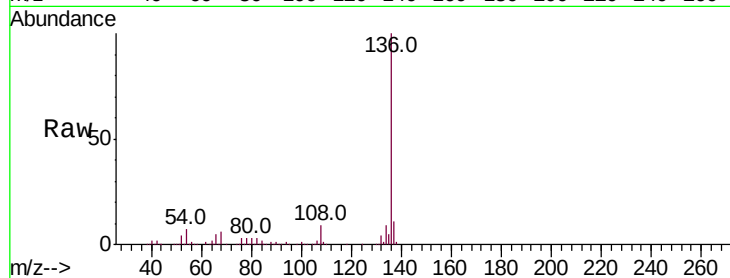




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113238.D
Acq: 22 Mar 2019 16:53

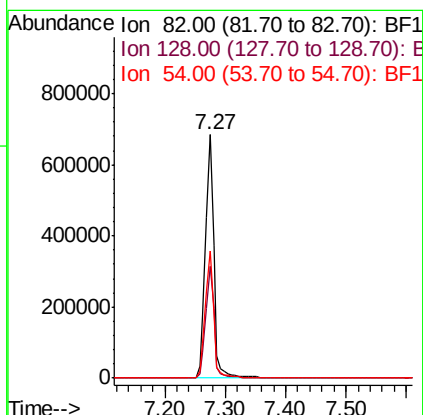
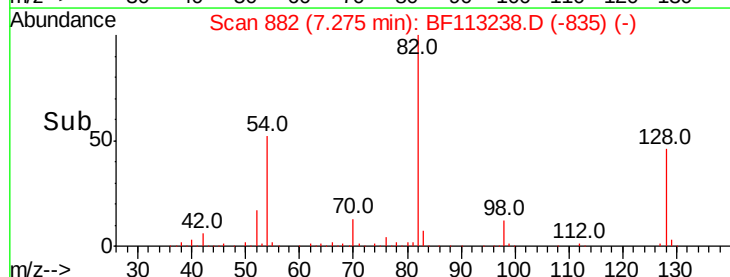
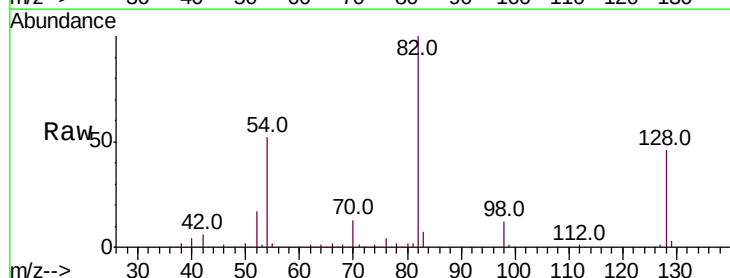
Instrument :
BNA_F
ClientSampleId :

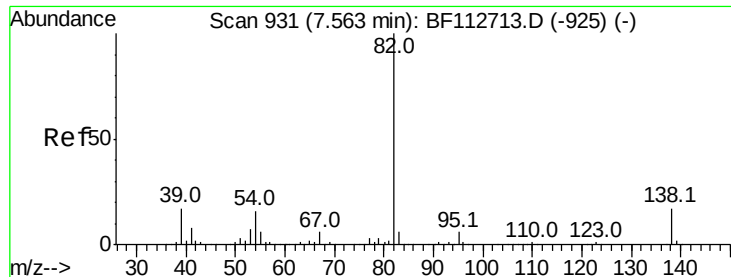
Tot Ion:136	Resp: 577674
Ion Ratio	Lower Upper
136 100	
137 10.6	8.9 13.3
54 7.3	7.3 10.9
68 5.6	5.4 8.2



#23
Nitrobenzene-d5
Concen: 70.292 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113238.D
Acq: 22 Mar 2019 16:53

Tgt	Ion: 82	Resp:	678595
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	52.1	43.7	65.5





#25

Isophorone

Concen: 32.112 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :

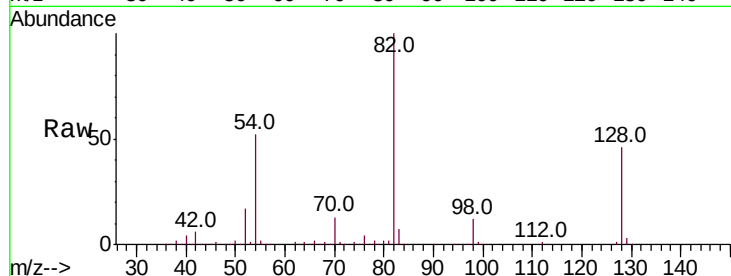
Tot Ion: 82 Resp: 667857

Ion Ratio Lower Upper

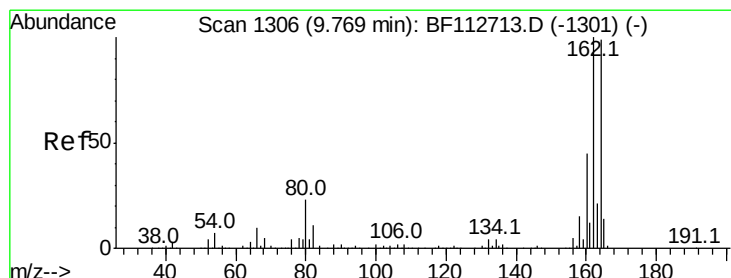
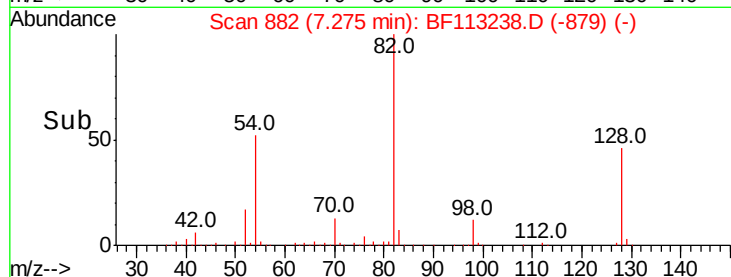
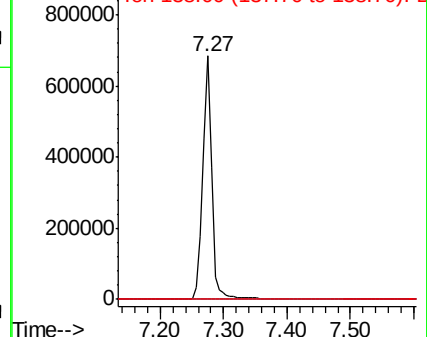
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

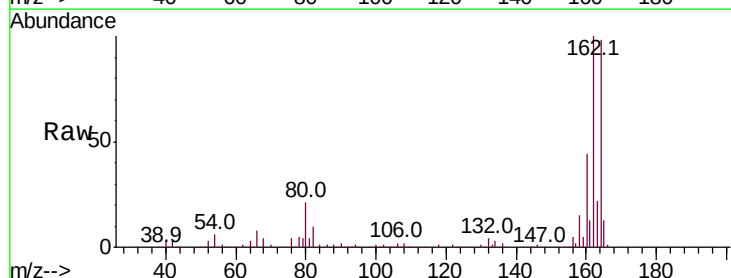
Tgt Ion:164 Resp: 288027

Ion Ratio Lower Upper

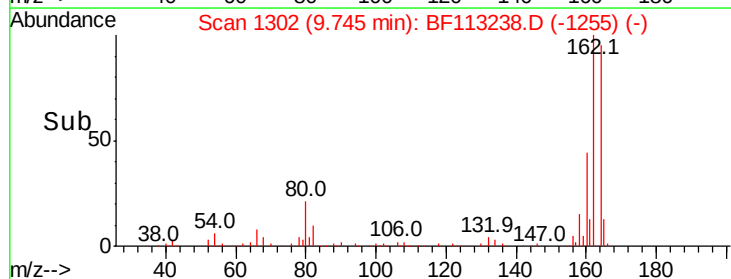
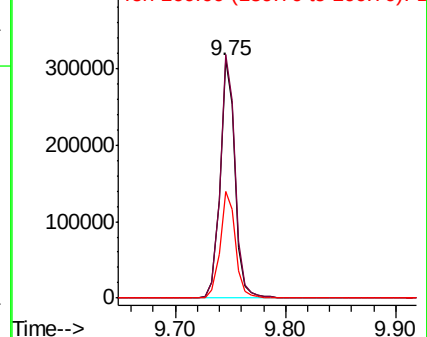
164 100

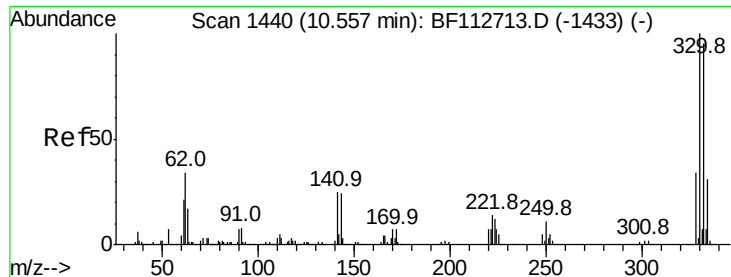
162 102.1 80.6 120.8

160 44.8 36.0 54.0



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

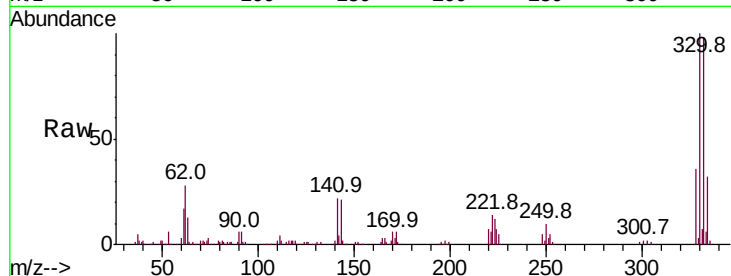




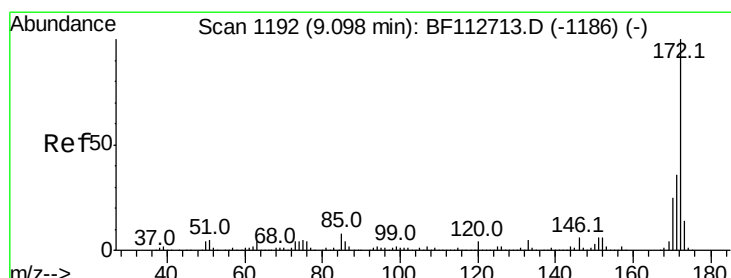
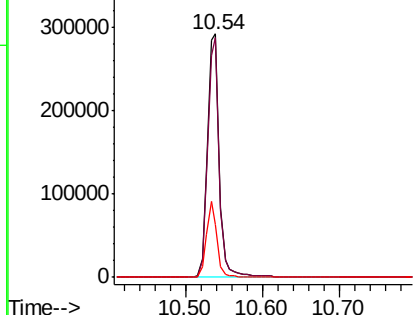
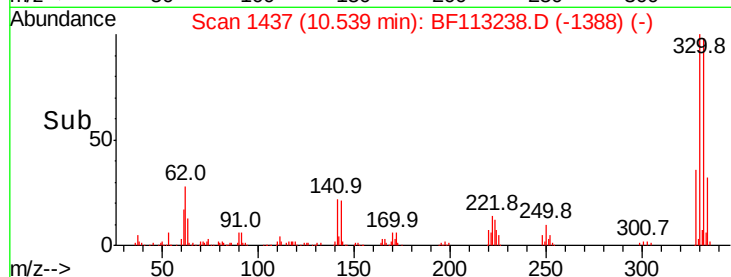
#42
 2,4,6-Tribromophenol
 Concen: 101.152 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.2	114.4
141	28.3	27.0	40.6

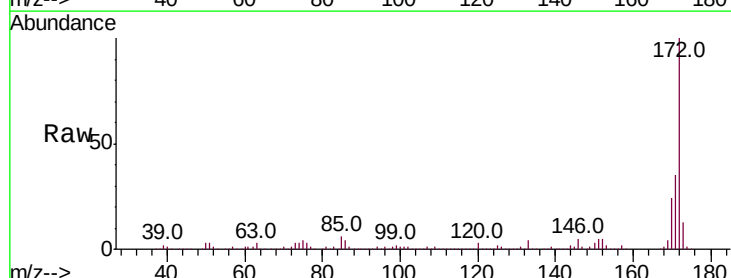


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

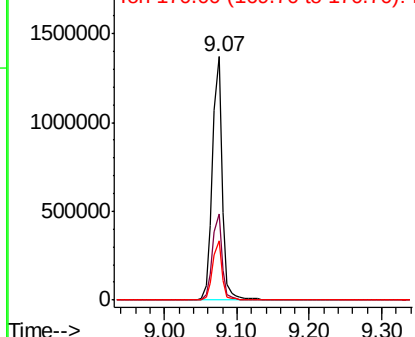
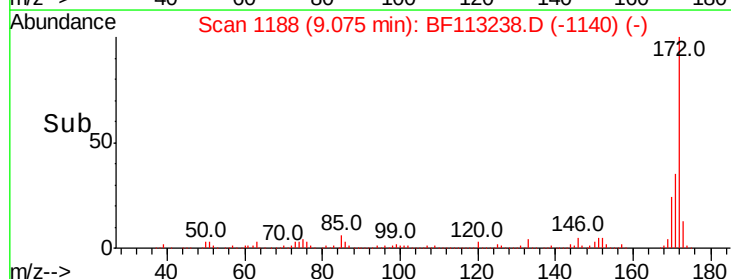


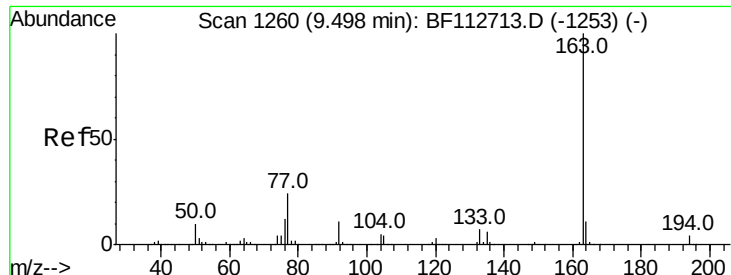
#45
 2-Fluorobiphenyl
 Concen: 72.424 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.2	20.0	30.0



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

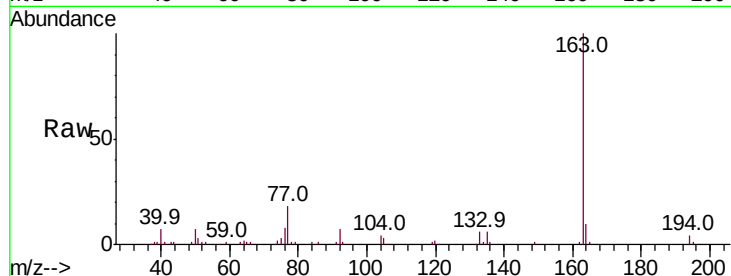




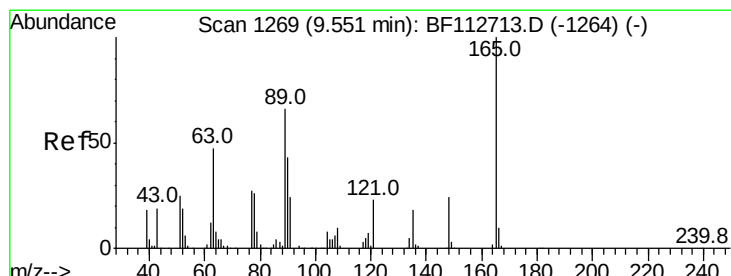
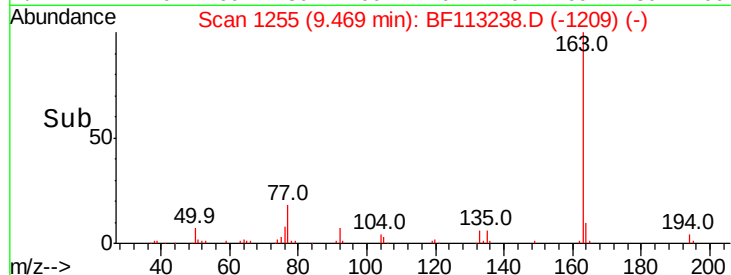
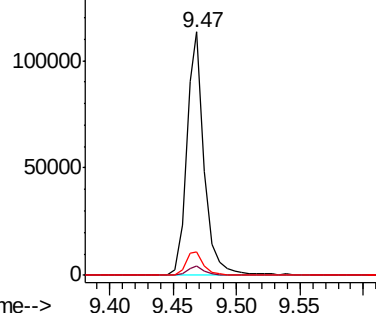
#50
Dimethylphthalate
Concen: 5.152 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF113238.D
Acq: 22 Mar 2019 16:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.5	8.4	12.6

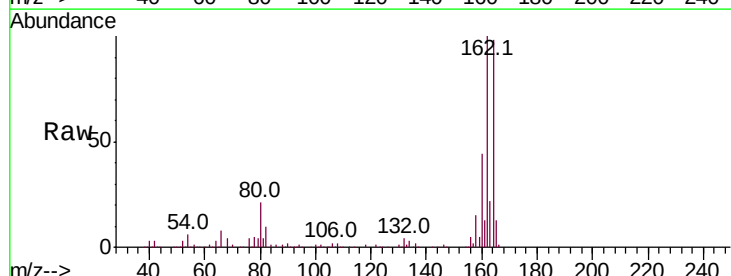


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

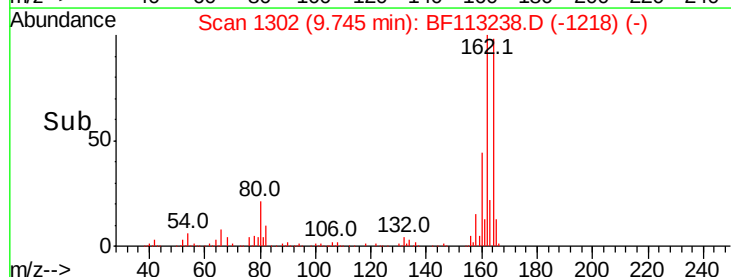
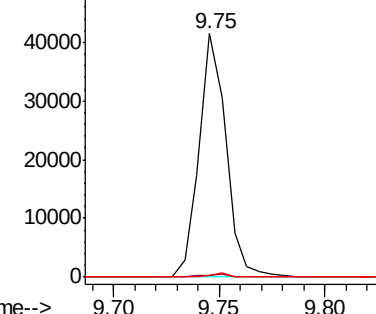


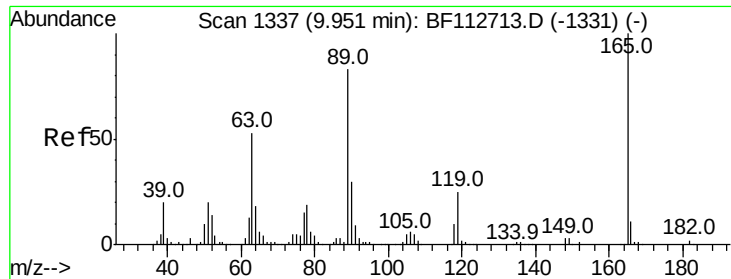
#51
2,6-Dinitrotoluene
Concen: 8.283 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.19 min
Lab File: BF113238.D
Acq: 22 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	54.1	81.1#
89	0.8	52.8	79.2#



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

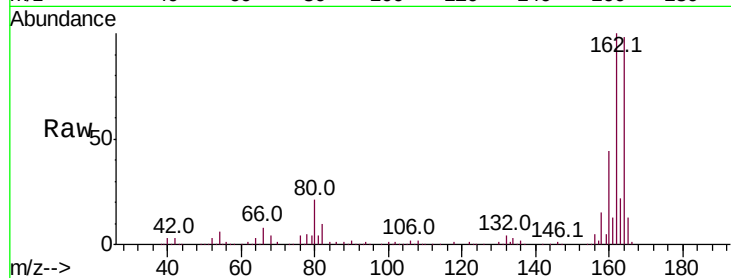




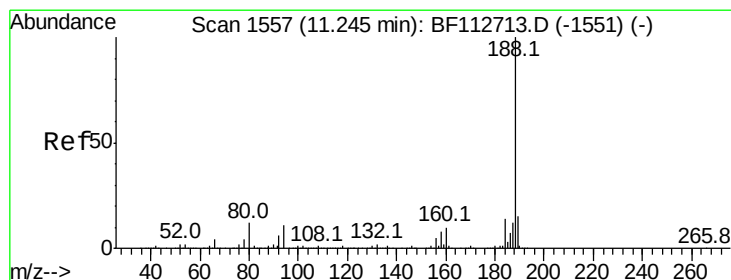
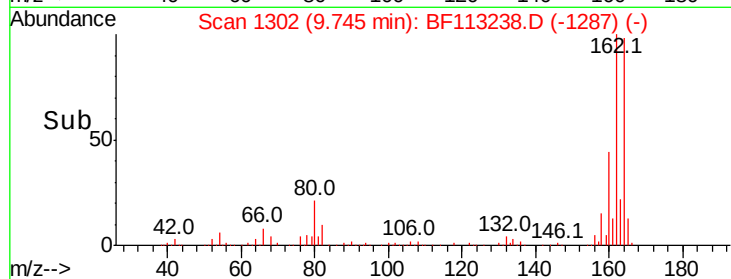
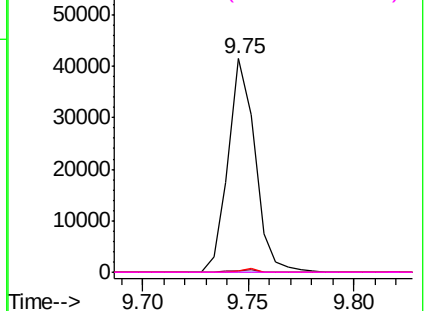
#57
 2,4-Dinitrotoluene
 Concen: 6.663 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	36631
Ion	Ratio	Lower	Upper
165	100		
63	0.9	42.2	63.2#
89	0.8	66.2	99.4#
182	0.0	1.8	2.6#

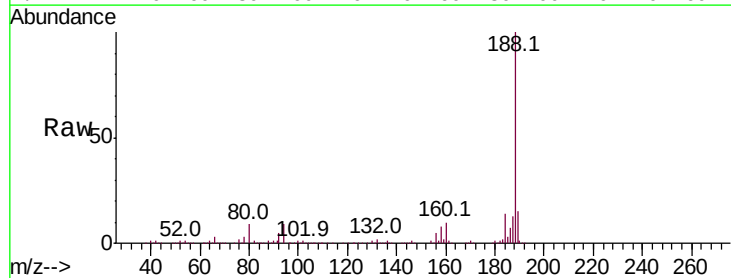


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

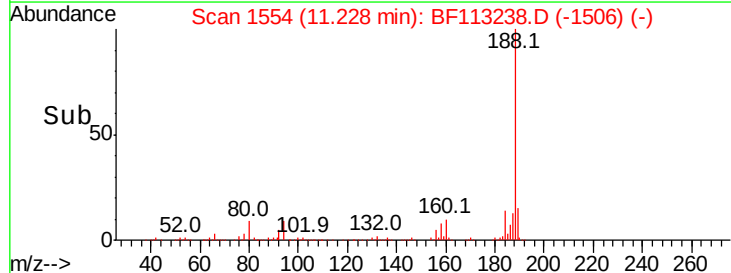
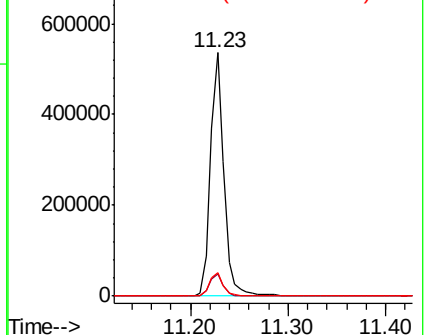


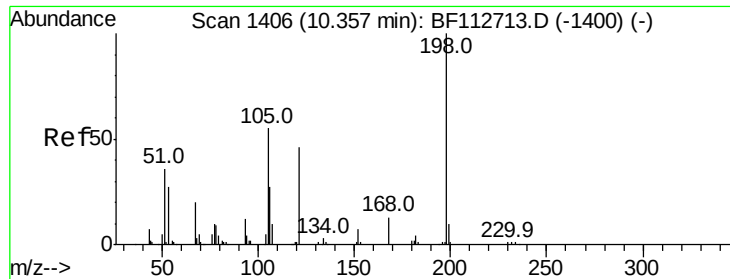
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Tgt Ion:	188	Resp:	511537
Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.4	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

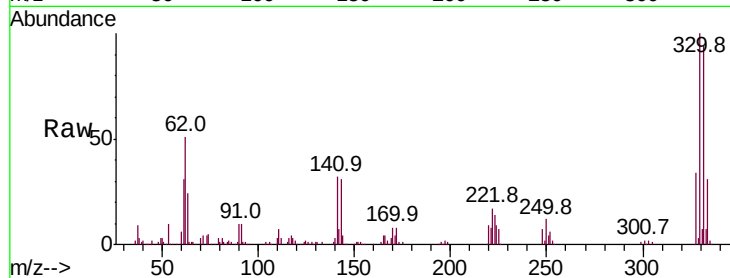




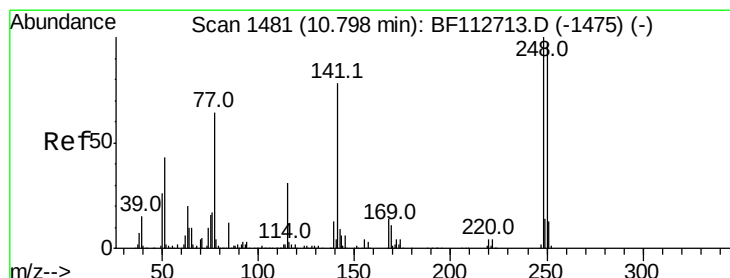
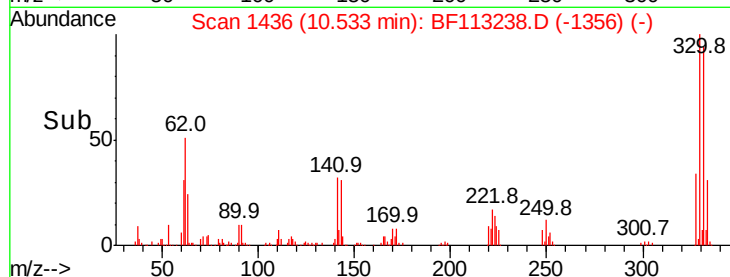
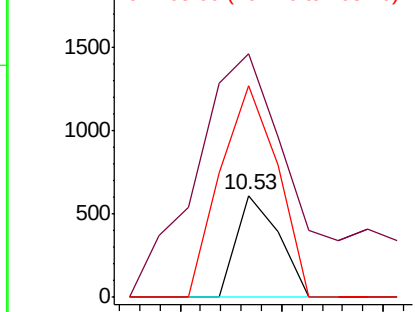
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.766 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.17 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 356
 Ion Ratio Lower Upper
 198 100
 51 39.8 43.8 83.8#
 105 34.7 36.5 76.5#

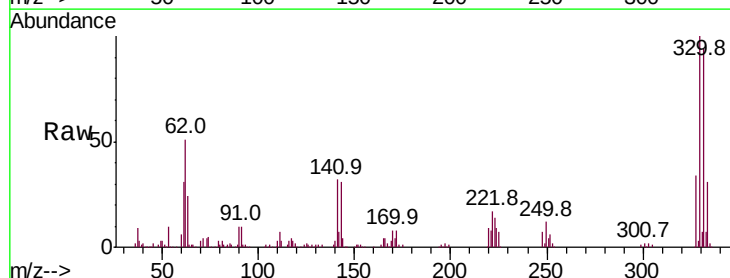


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

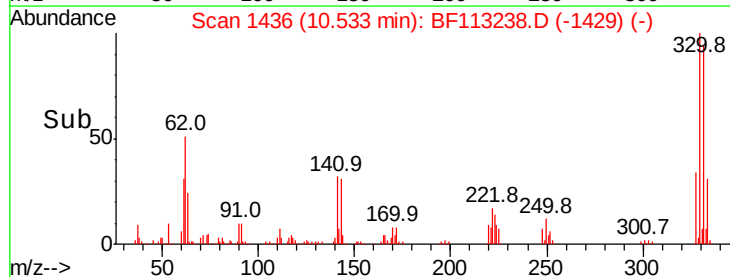
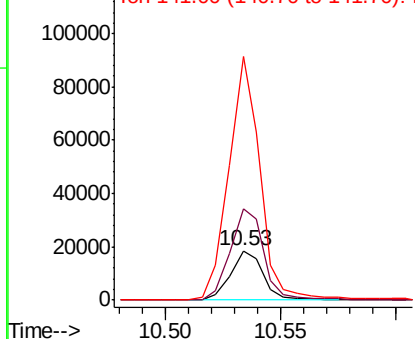


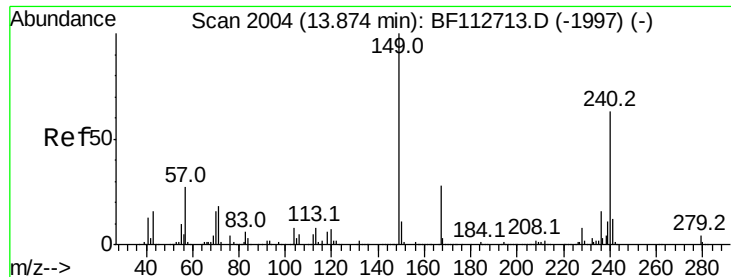
#67
 4-Bromophenyl-phenylether
 Concen: 3.327 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.26 min
 Lab File: BF113238.D
 Acq: 22 Mar 2019 16:53

Tgt Ion:248 Resp: 17927
 Ion Ratio Lower Upper
 248 100
 250 185.9 77.5 116.3#
 141 493.4 62.4 93.6#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

Instrument :

BNA_F

ClientSampled :

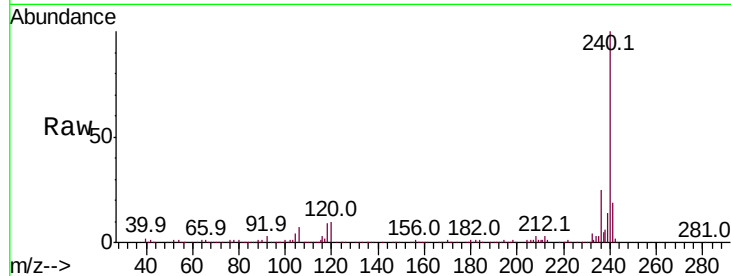
Tot Ion:240 Resp: 346022

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

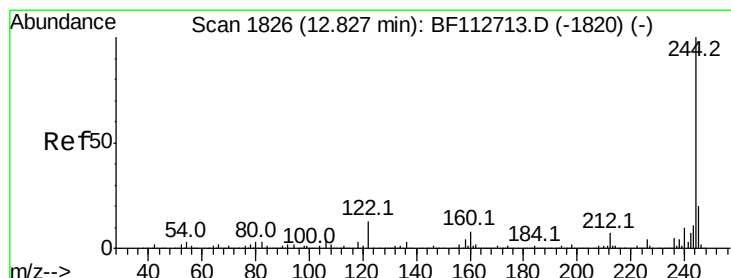
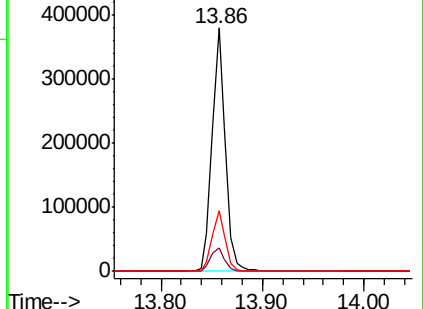
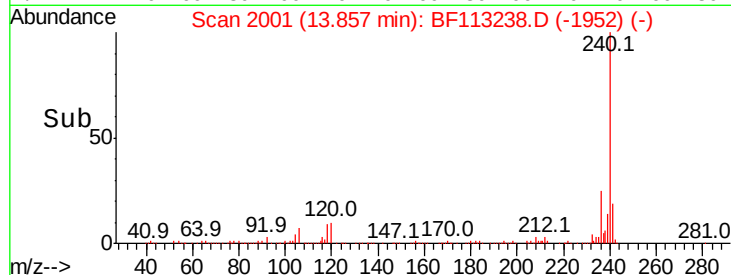
236 25.1 20.7 31.1



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



#79

Terphenyl-d14

Concen: 68.035 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113238.D

Acq: 22 Mar 2019 16:53

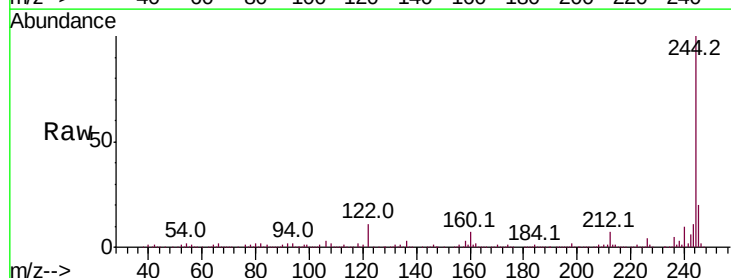
Tgt Ion:244 Resp: 1214417

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

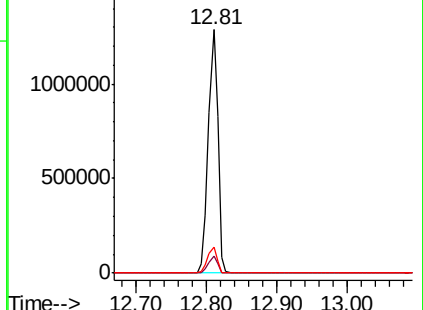
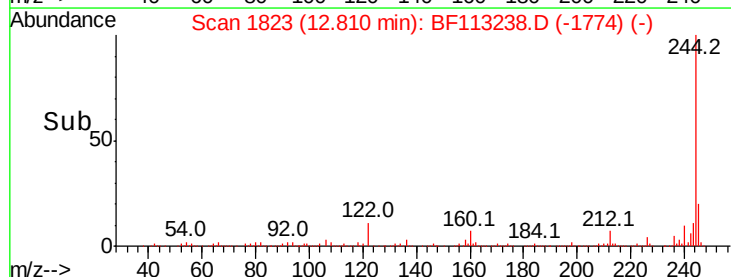
122 10.6 10.5 15.7

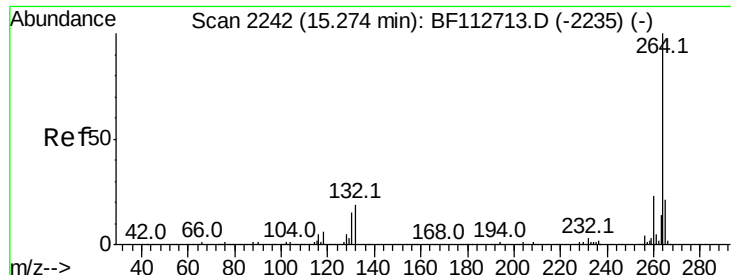


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113238.D
Acq: 22 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.1	17.2	25.8

