

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112112.D
 Acq On : 18 Jan 2019 2:30
 Operator : JU/SJ
 Sample : PB116445BL
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BL

Quant Time: Jan 18 03:18:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	303756	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1106058	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	507398	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	819012	20.00	ng	0.00
76) Chrysene-d12	14.02	240	652062	20.00	ng	-0.01
87) Perylene-d12	15.50	264	507424	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1224936	73.19	ng	0.00
7) Phenol-d6	6.50	99	1510694	72.15	ng	0.00
23) Nitrobenzene-d5	7.42	82	1336477	83.48	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	339206	61.97	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2594173	74.96	ng	0.00
79) Terphenyl-d14	12.97	244	1986626	64.81	ng	0.00

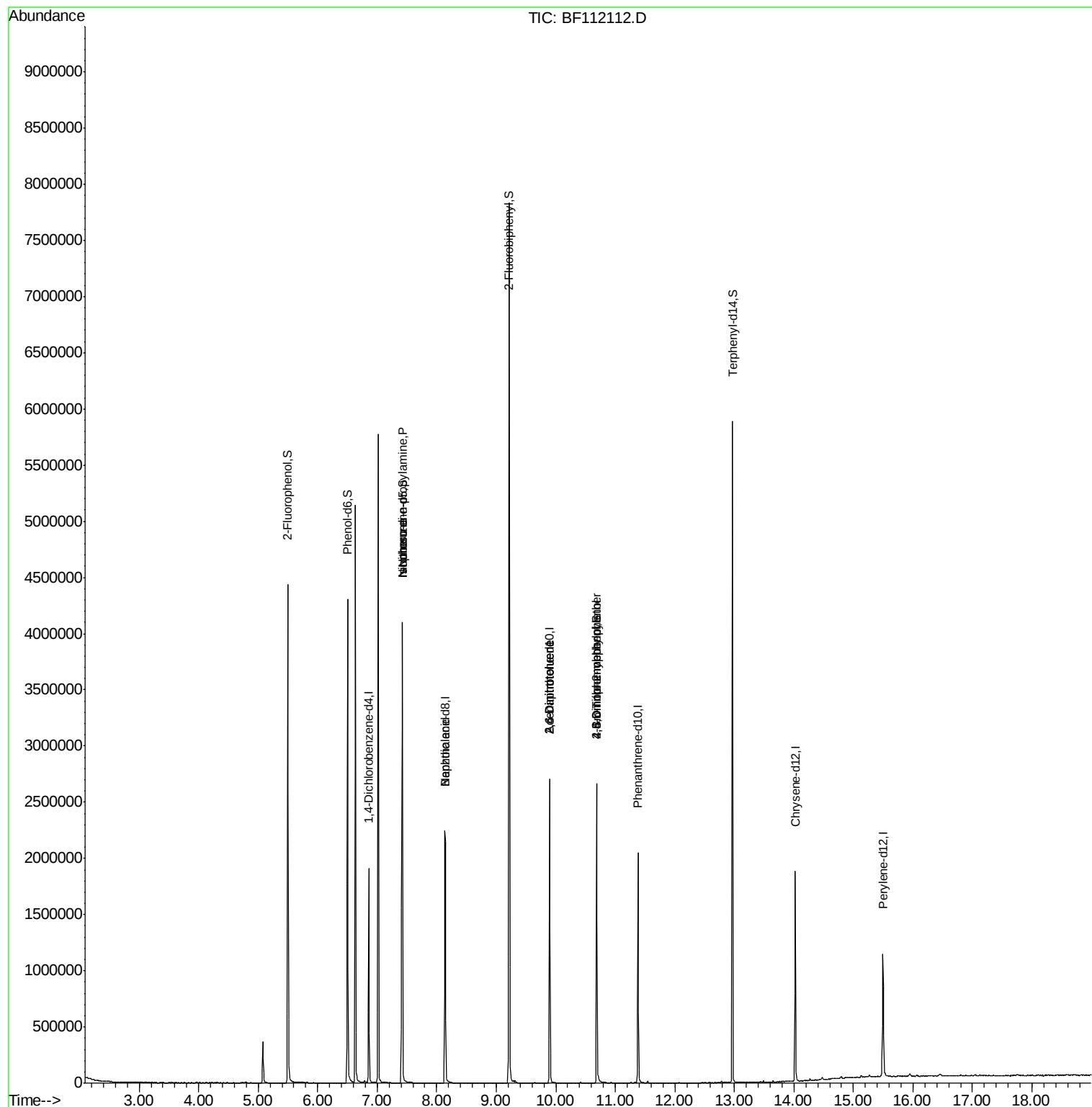
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2432	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.42	70	179906	14.104	ng	# 76
25) Isophorone	7.42	82	1327623	42.934	ng	# 64
32) Benzoic acid	8.15	122	107	7.185	ng	# 1
51) 2,6-Dinitrotoluene	9.90	165	64457	8.722	ng	# 34
57) 2,4-Dinitrotoluene	9.90	165	64457	10.728	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	712	10.234	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	19839	2.085	ng	# 1

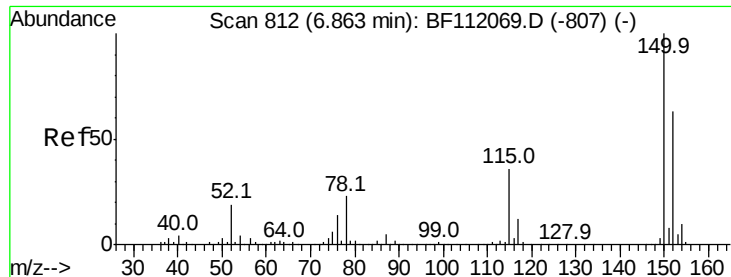
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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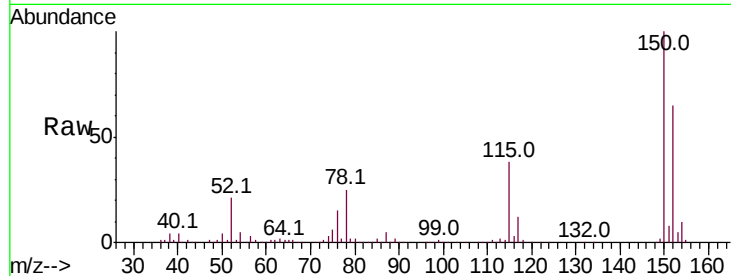


#1

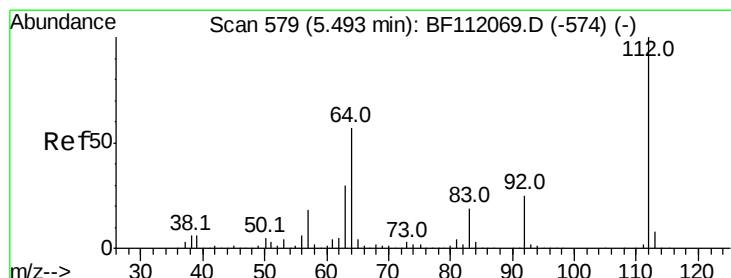
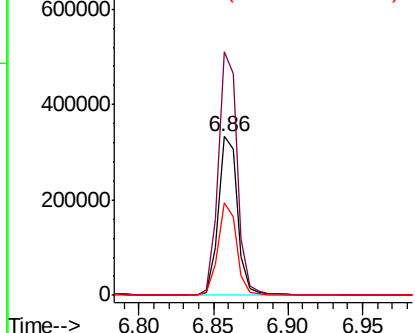
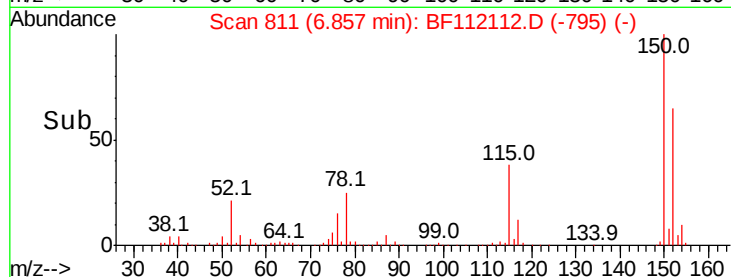
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112112.D
 Acq: 18 Jan 2019 2:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BL

Tot Ion:152 Resp: 303756
 Ion Ratio Lower Upper
 152 100
 150 153.2 127.4 191.0
 115 57.9 45.5 68.3



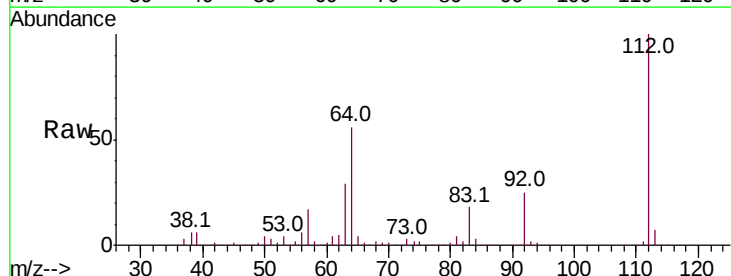
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



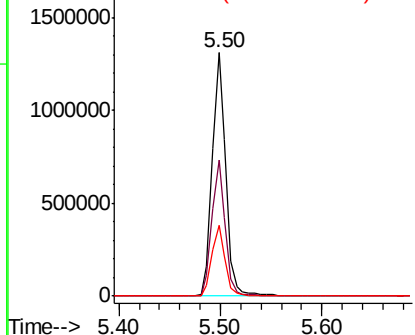
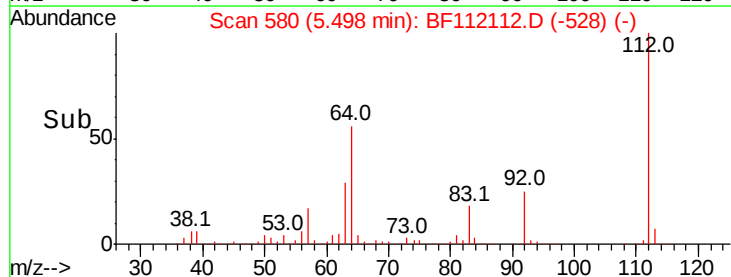
#5

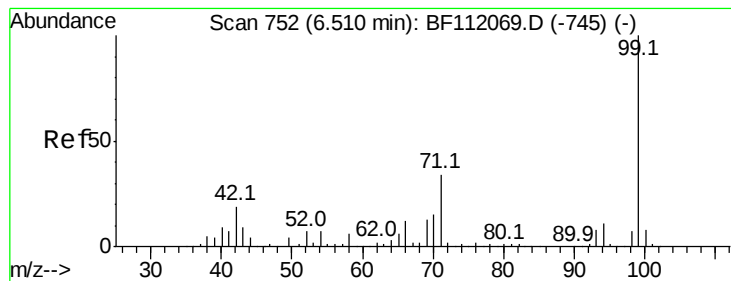
2-Fluorophenol
 Concen: 73.194 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF112112.D
 Acq: 18 Jan 2019 2:30

Tgt Ion:112 Resp: 1224936
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.7 68.5
 63 29.2 23.6 35.4



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: 72.148 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Instrument :

BNA_F

ClientSampleId :

PB116445BL

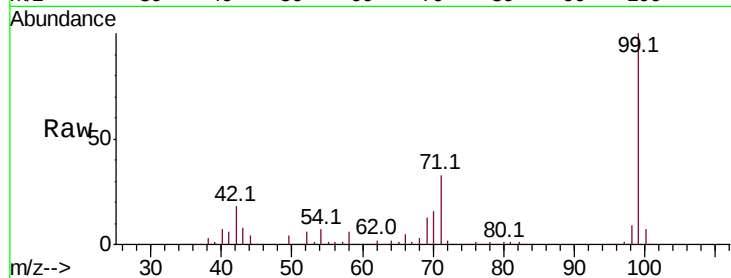
Tot Ion: 99 Resp: 1510694

Ion Ratio Lower Upper

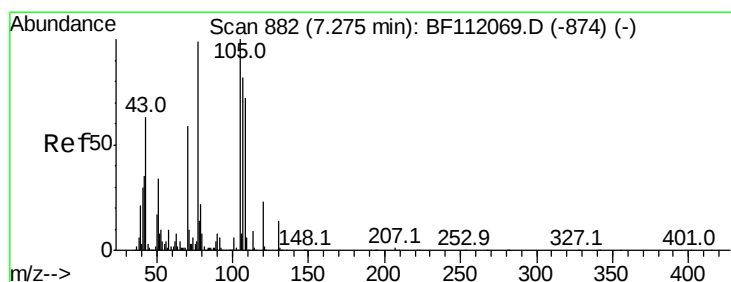
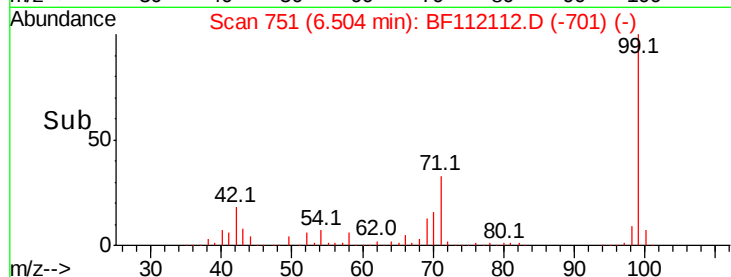
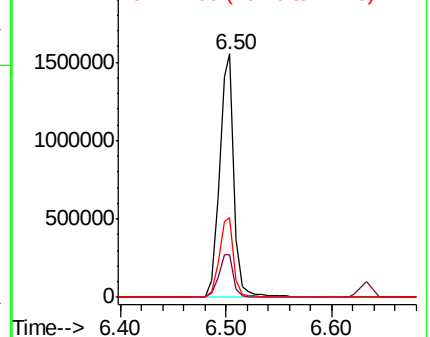
99 100

42 17.7 15.1 22.7

71 32.8 26.9 40.3



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: 14.104 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Tgt Ion: 70 Resp: 179906

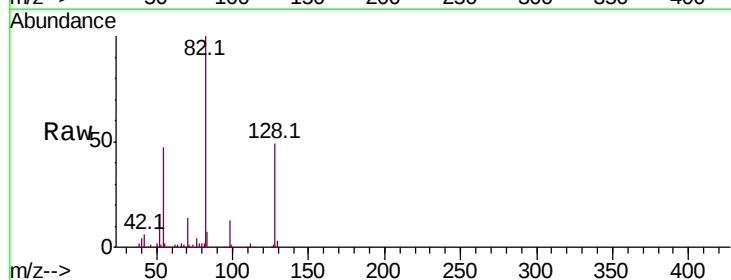
Ion Ratio Lower Upper

70 100

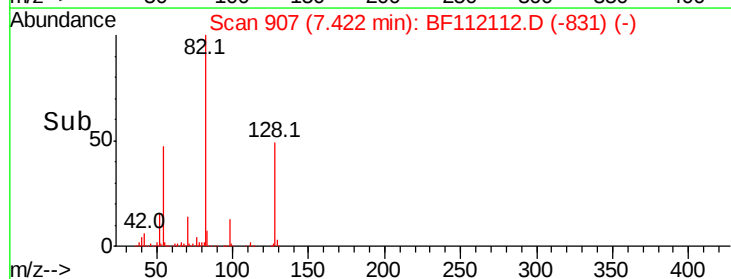
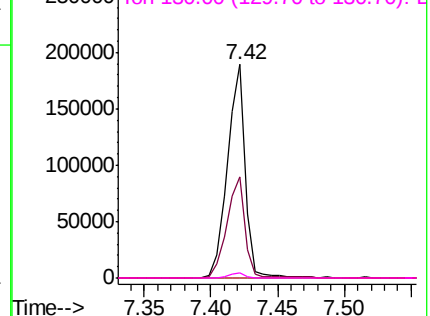
42 47.3 47.6 71.4#

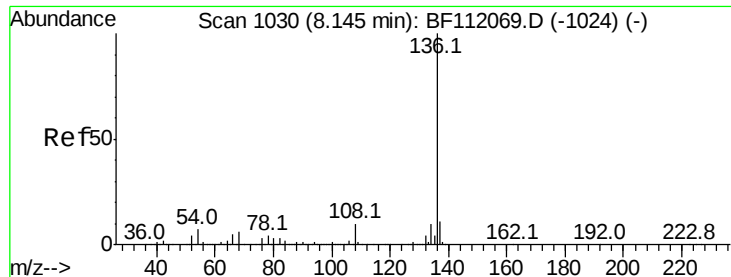
101 0.0 7.9 11.9#

130 2.3 18.4 27.6#



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: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Instrument :

BNA_F

ClientSampleId :

PB116445BL

Tot Ion:136 Resp: 1106058

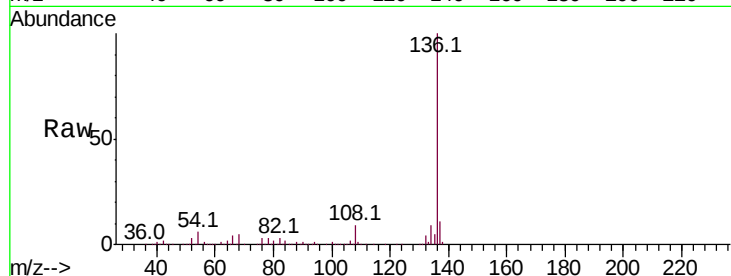
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.3 5.9 8.9

68 5.4 5.1 7.7

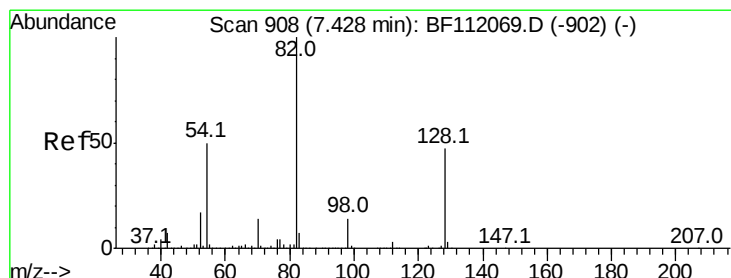
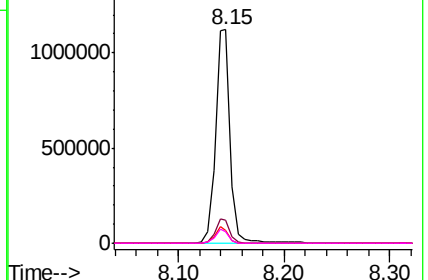
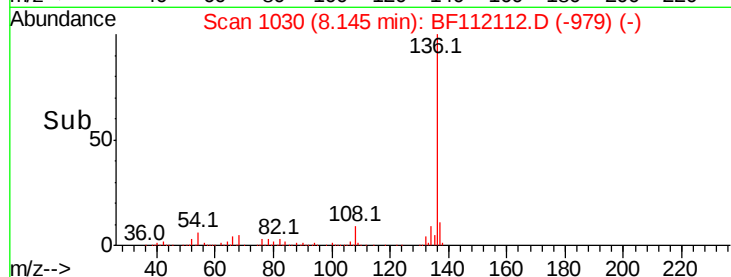


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 83.482 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

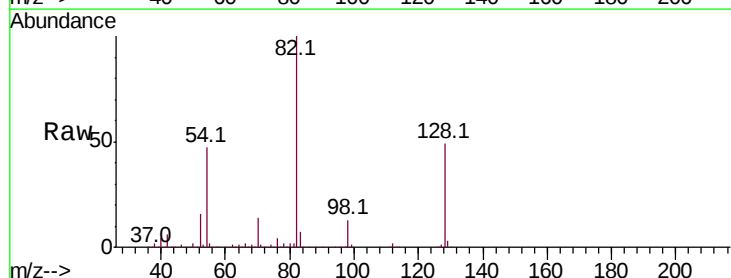
Tgt Ion: 82 Resp: 1336477

Ion Ratio Lower Upper

82 100

128 49.2 37.8 56.8

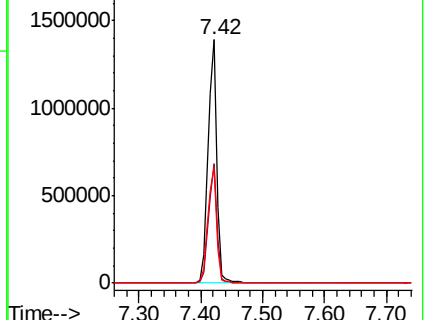
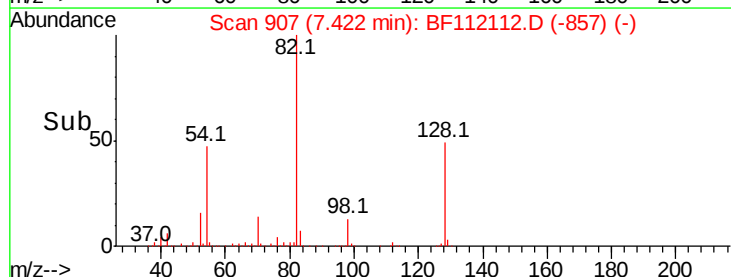
54 47.5 39.7 59.5

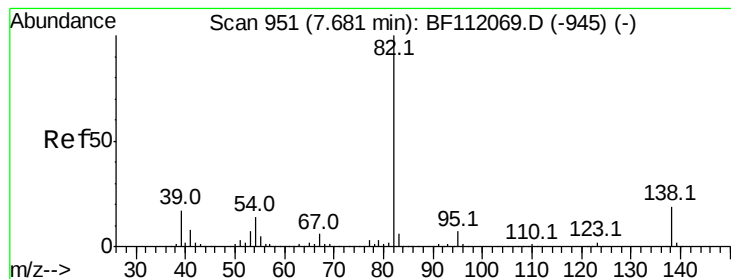


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.934 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Instrument :

BNA_F

ClientSampleId :

PB116445BL

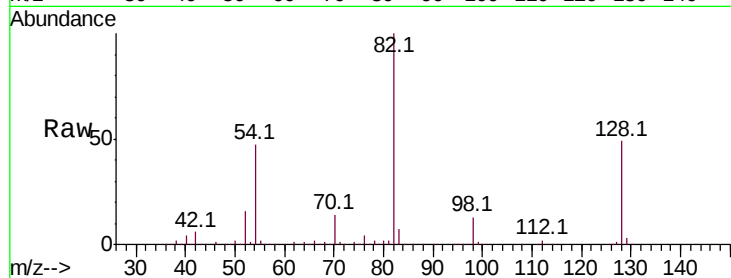
Tot Ion: 82 Resp: 1327623

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

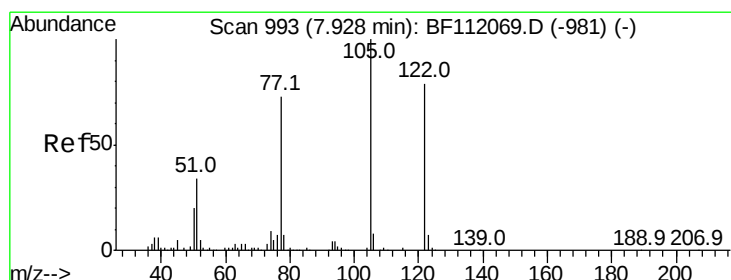
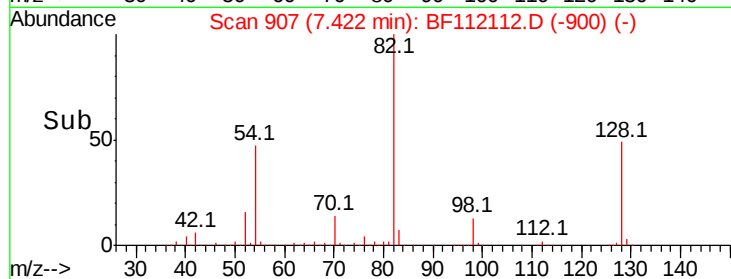
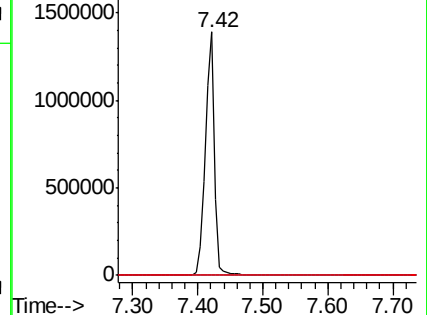
138 0.0 15.4 23.0#



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



#32

Benzoic acid

Concen: 7.185 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

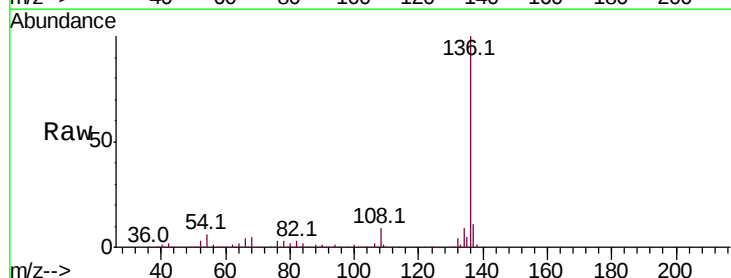
Tgt Ion:122 Resp: 107

Ion Ratio Lower Upper

122 100

105 346.2 101.2 141.2#

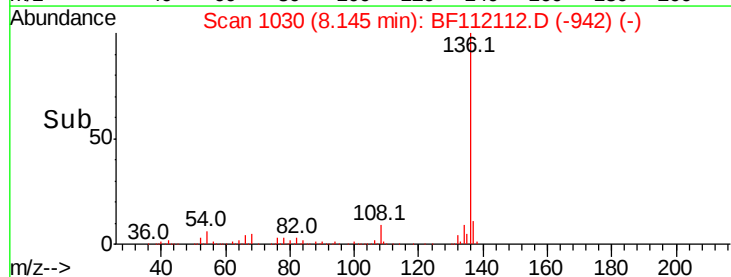
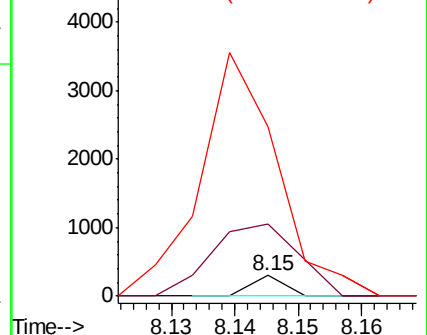
77 814.2 70.4 110.4#

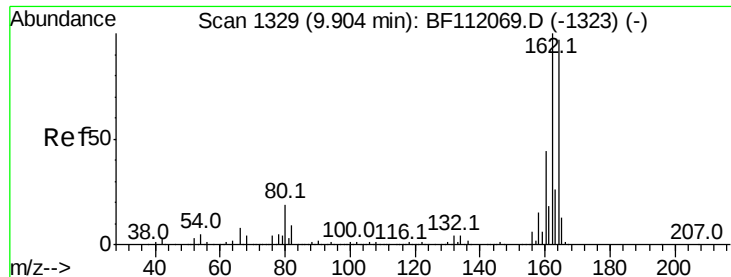


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

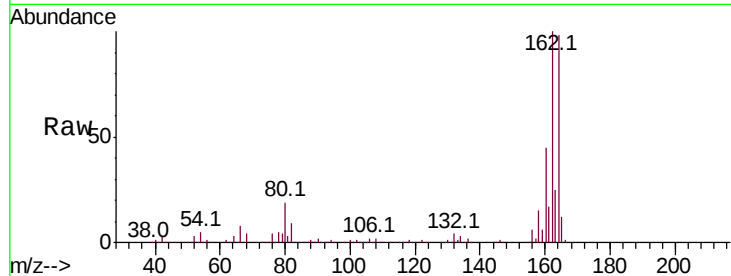




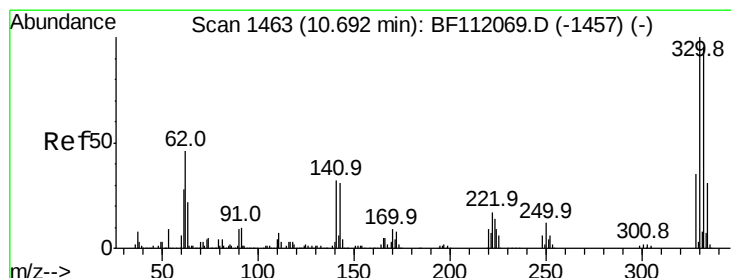
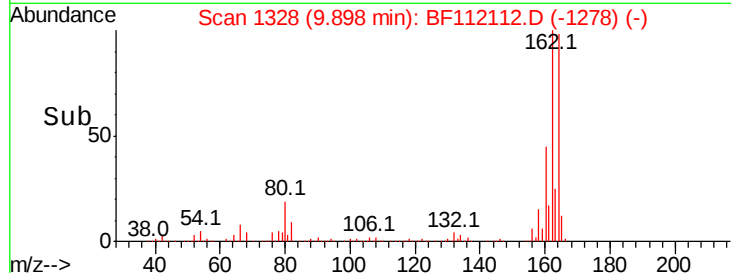
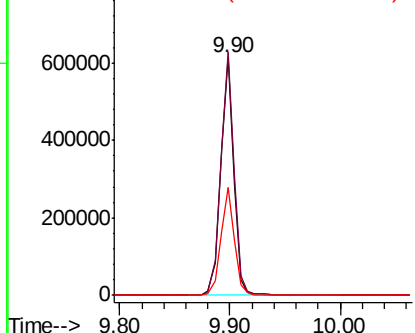
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112112.D
Acq: 18 Jan 2019 2:30

Instrument :
BNA_F
ClientSampleId :
PB116445BL

Tot Ion:164 Resp: 507398
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.4
160 45.6 36.2 54.4

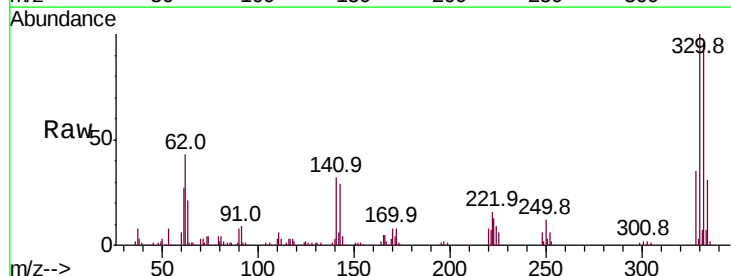


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

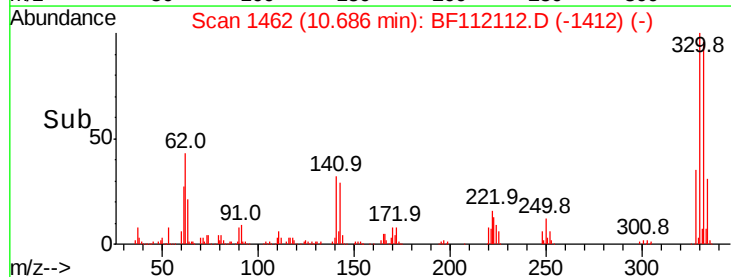
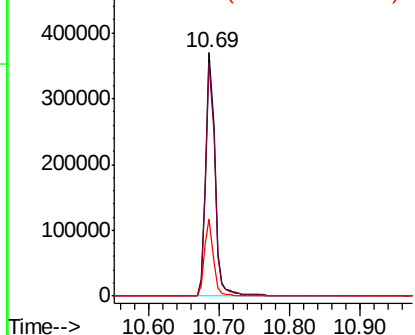


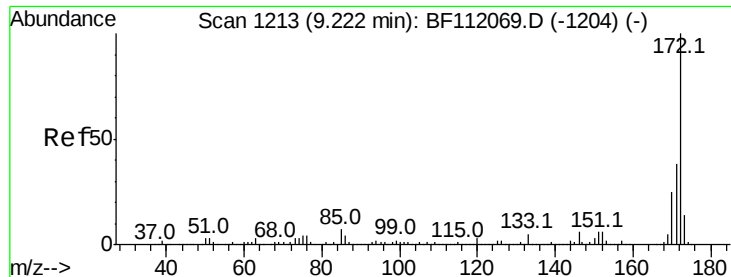
#42
2,4,6-Tribromophenol
Concen: 61.970 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF112112.D
Acq: 18 Jan 2019 2:30

Tgt Ion:330 Resp: 339206
Ion Ratio Lower Upper
330 100
332 95.4 76.6 114.8
141 30.8 24.3 36.5



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



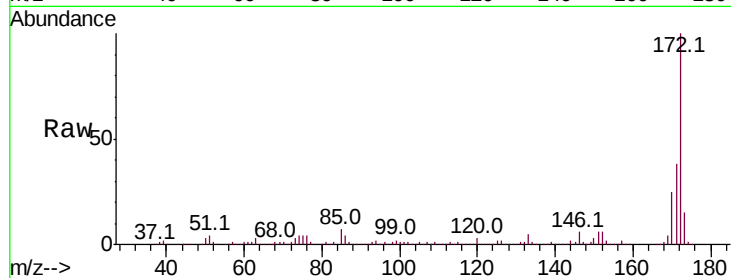


#45
 2-Fluorobiphenyl
 Concen: 74.958 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112112.D
 Acq: 18 Jan 2019 2:30

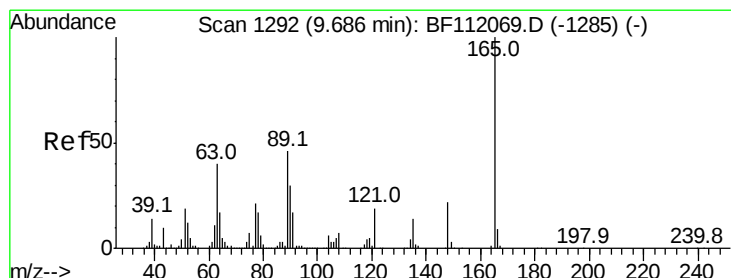
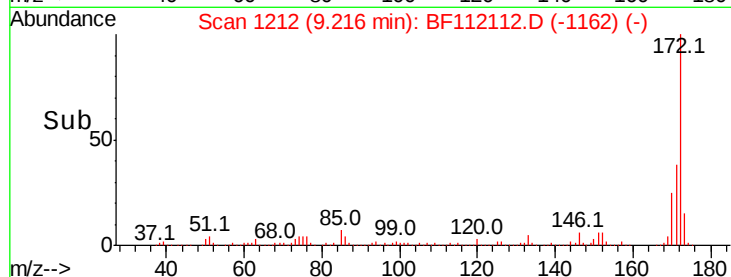
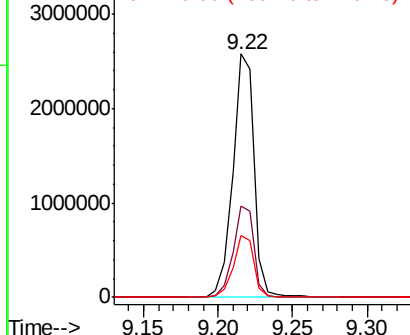
Instrument :
 BNA_F
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 PB116445BL

Tot Ion:172 Resp: 2594173

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	25.3	20.2	30.4



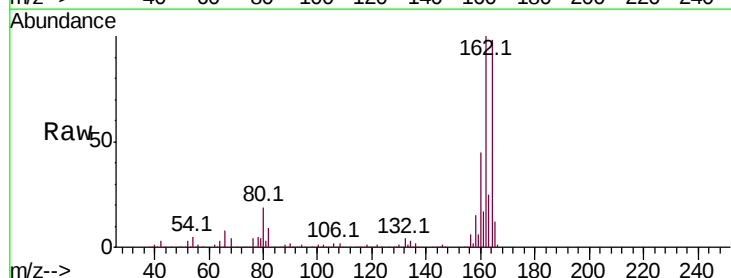
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



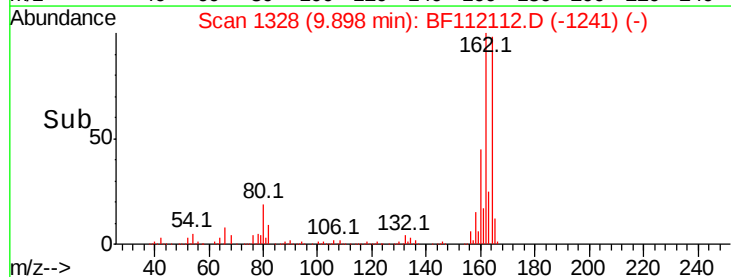
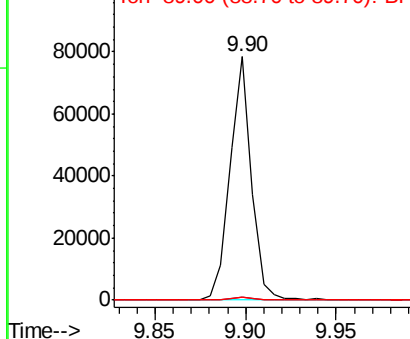
#51
 2,6-Dinitrotoluene
 Concen: 8.722 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF112112.D
 Acq: 18 Jan 2019 2:30

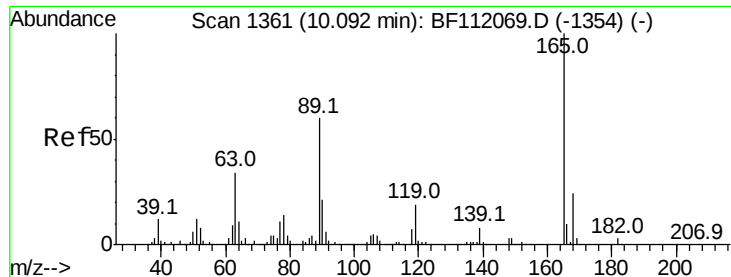
Tgt Ion:165 Resp: 64457

Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.4	36.9	55.3#



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

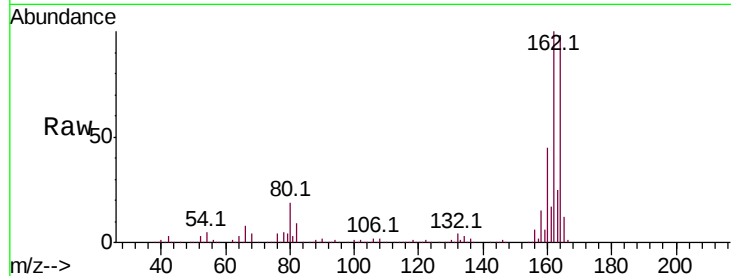




#57
2,4-Dinitrotoluene
Concen: 10.728 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112112.D
Acq: 18 Jan 2019 2:30

Instrument :
BNA_F
ClientSampleId :
PB116445BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.4	47.9	71.9#
182	0.0	2.2	3.4#

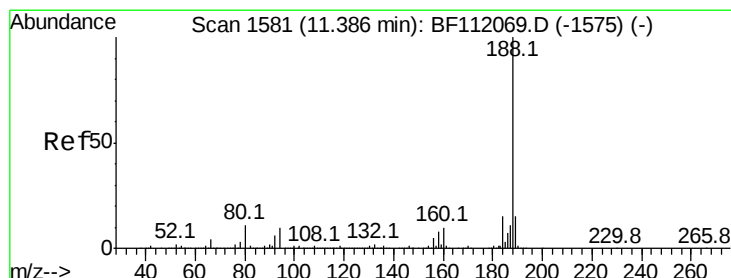
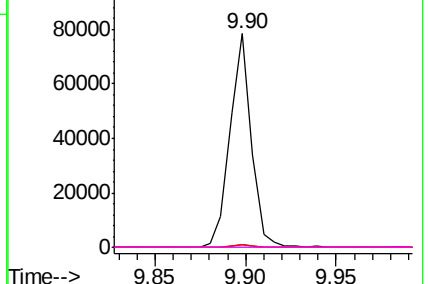
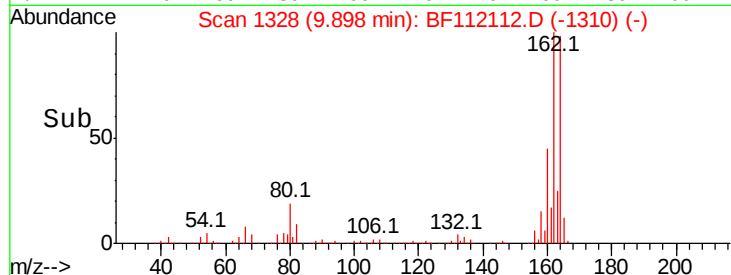


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

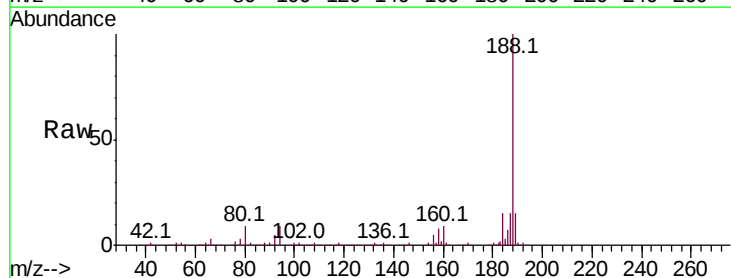
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112112.D
Acq: 18 Jan 2019 2:30

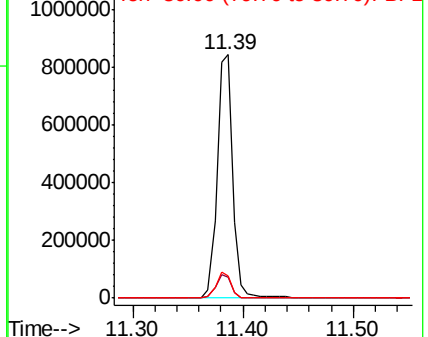
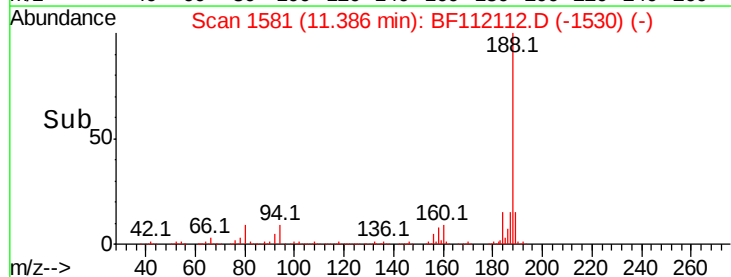
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.2	8.9	13.3

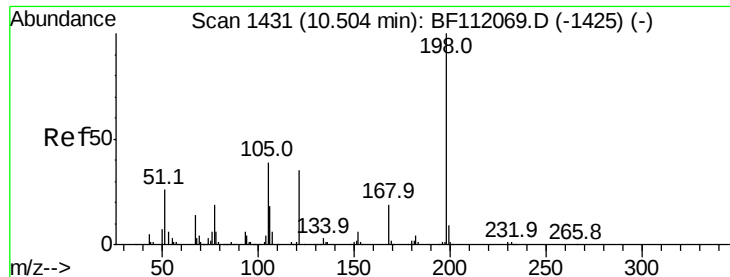


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.234 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Instrument :

BNA_F

ClientSampleId :

PB116445BL

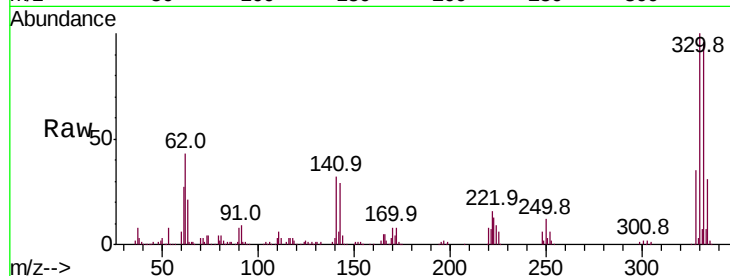
Tot Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 211.8 17.2 57.2#

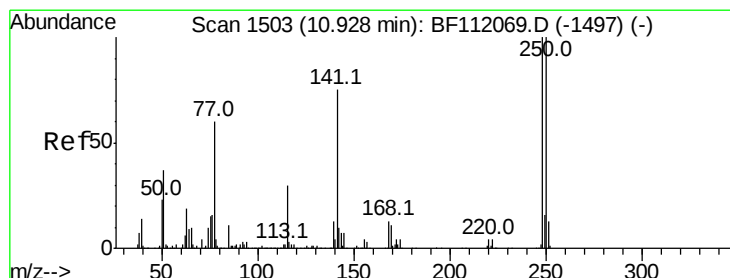
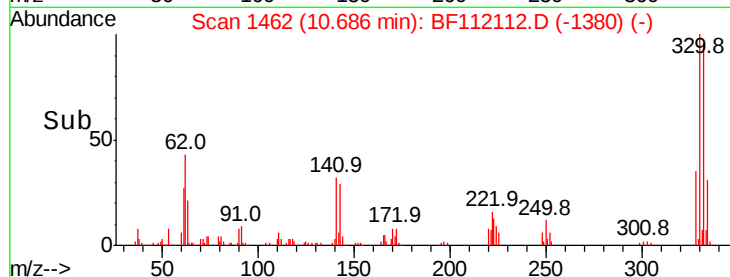
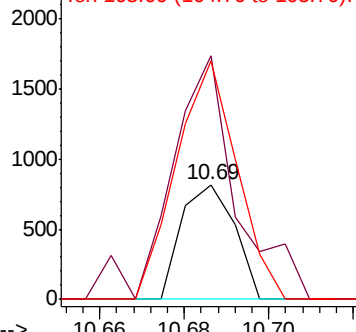
105 207.8 21.9 61.9#



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: 2.085 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

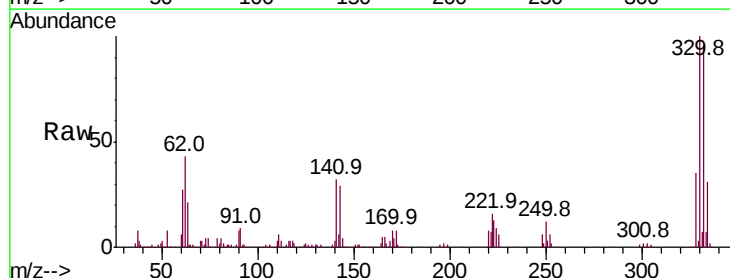
Tgt Ion:248 Resp: 19839

Ion Ratio Lower Upper

248 100

250 188.3 79.7 119.5#

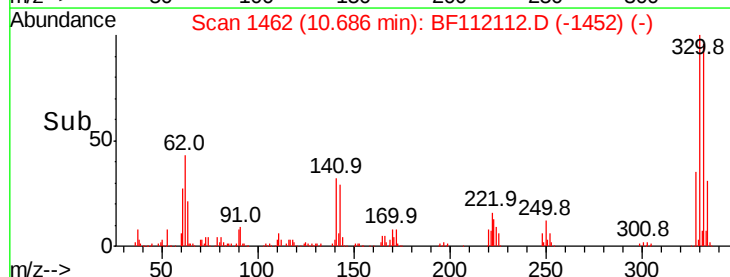
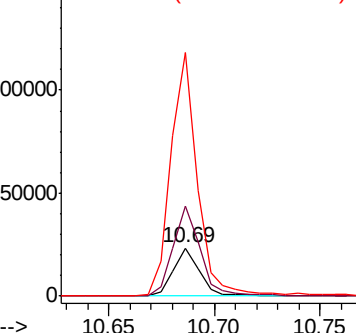
141 508.7 60.3 90.5#

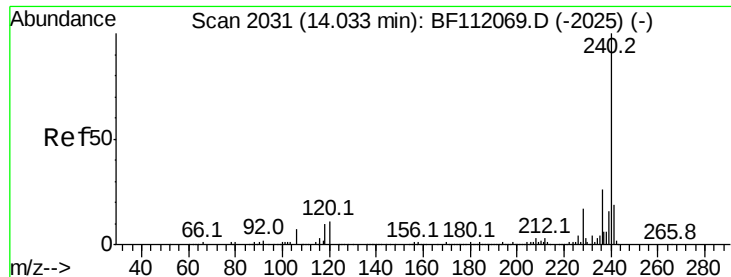


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

Instrument :

BNA_F

ClientSampleId :

PB116445BL

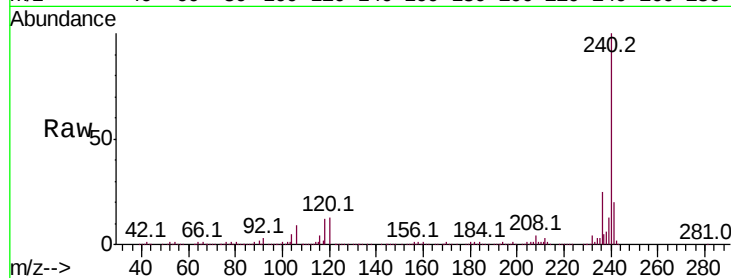
Tot Ion:240 Resp: 652062

Ion Ratio Lower Upper

240 100

120 13.4 9.0 13.6

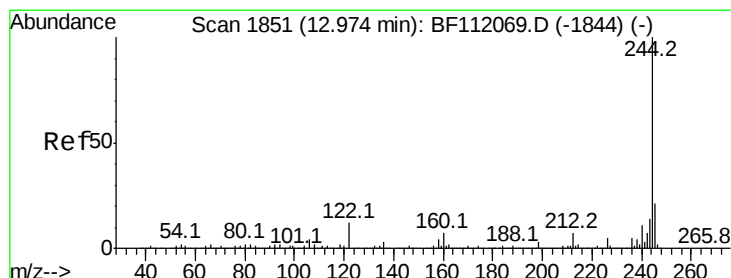
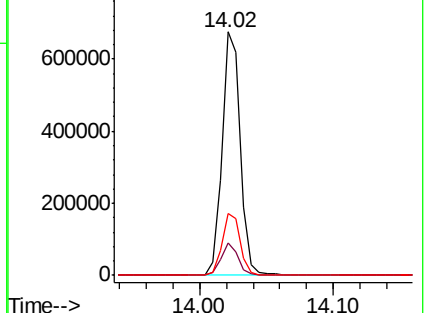
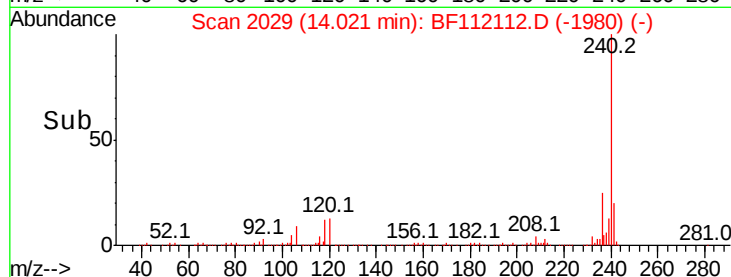
236 25.4 20.7 31.1



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: 64.814 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112112.D

Acq: 18 Jan 2019 2:30

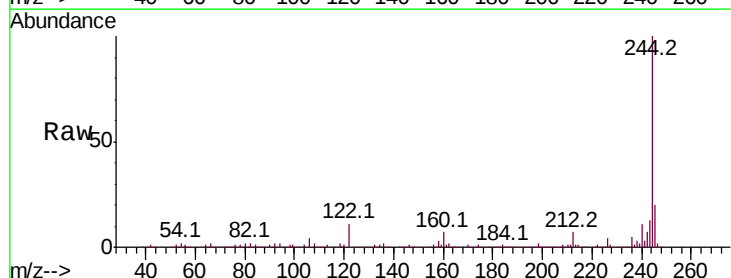
Tgt Ion:244 Resp: 1986626

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

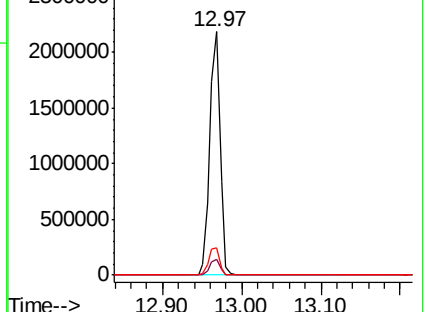
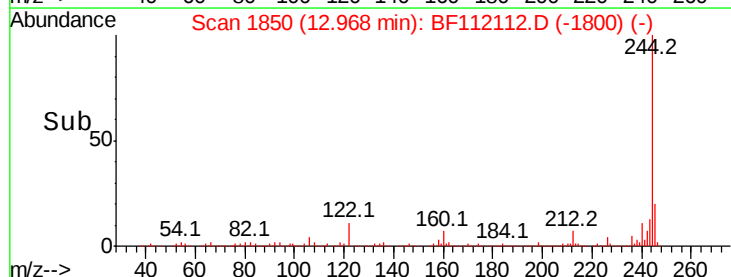
122 11.1 9.8 14.6

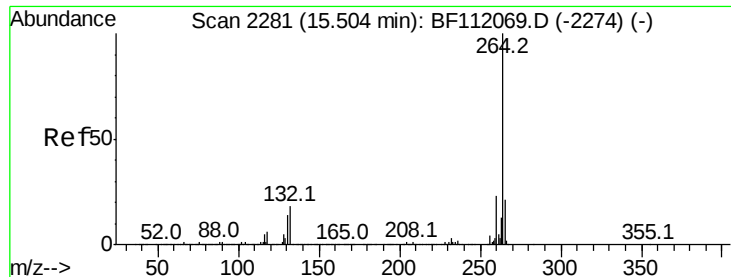


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112112.D
Acq: 18 Jan 2019 2:30

Instrument :
BNA_F
ClientSampleId :
PB116445BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	21.9	17.0	25.4

