

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112144.D
 Acq On : 19 Jan 2019 00:13
 Operator : JU/SJ
 Sample : K1189-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200034

Quant Time: Jan 19 00:48:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	260263	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	971423	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	463235	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	798814	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	598620	20.00	ng	-0.01
87) Perylene-d12	15.49	264	631897	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1428616	99.63	ng	0.00
7) Phenol-d6	6.50	99	1507414	84.02	ng	0.00
23) Nitrobenzene-d5	7.42	82	1354587	96.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	624198	124.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2579283	81.63	ng	0.00
79) Terphenyl-d14	12.96	244	2382217	84.66	ng	0.00

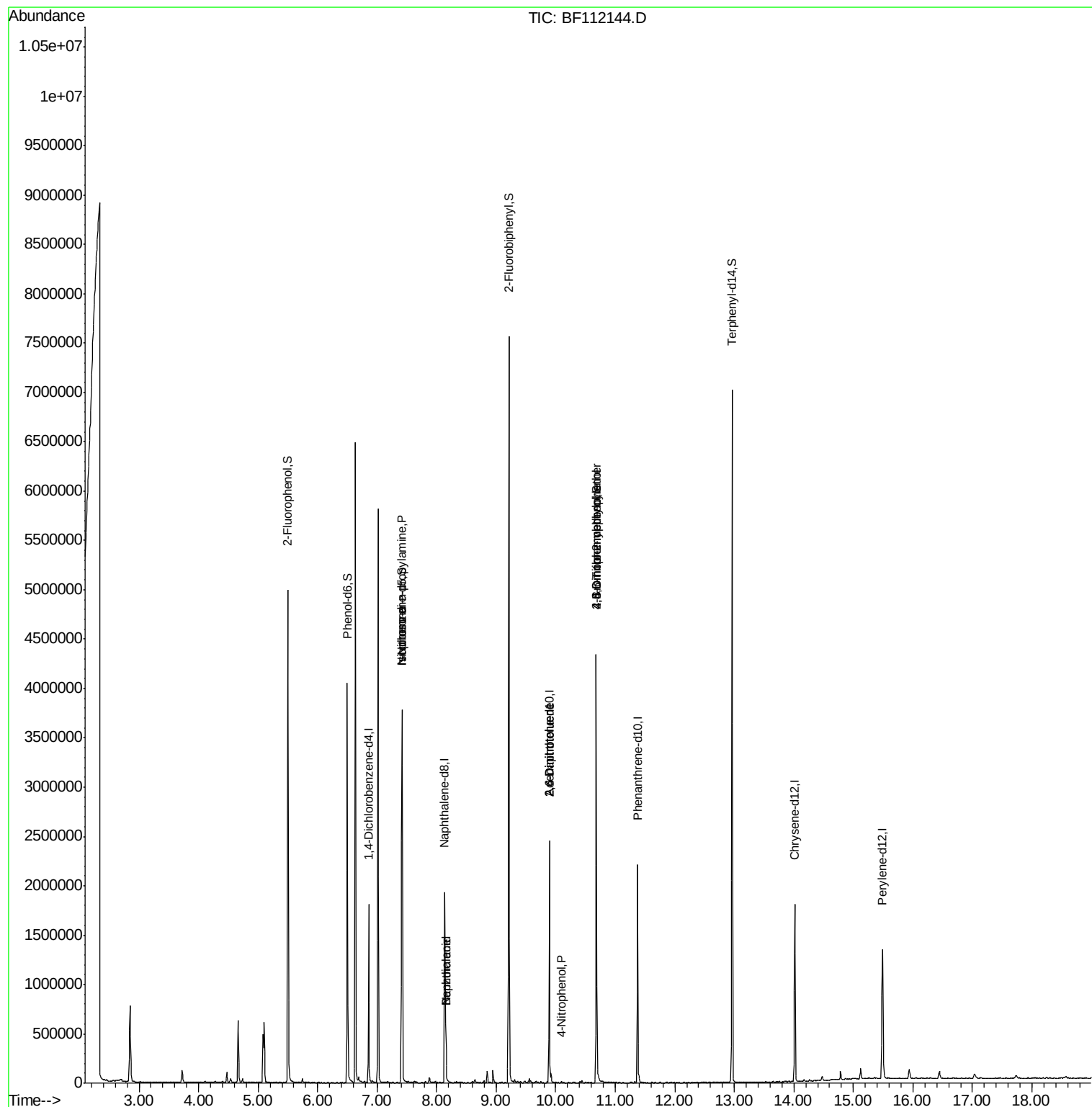
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2556	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	185771	16.997	ng	# 76
25) Isophorone	7.42	82	1339337	49.316	ng	# 63
31) Naphthalene	8.16	128	117700	2.664	ng	# 99
32) Benzoic acid	8.16	122	356	7.235	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	59307	8.791	ng	# 34
56) 4-Nitrophenol	10.10	139	1794	5.964	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	59307	10.776	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1063	10.322	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	35537	3.830	ng	# 1

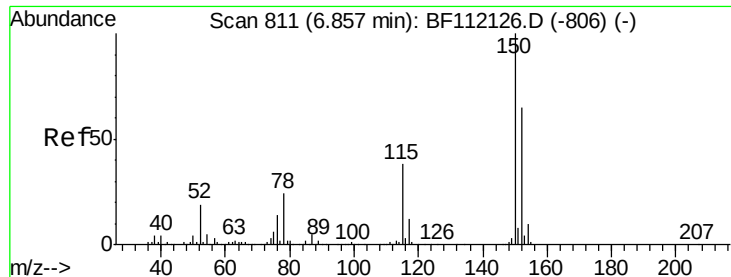
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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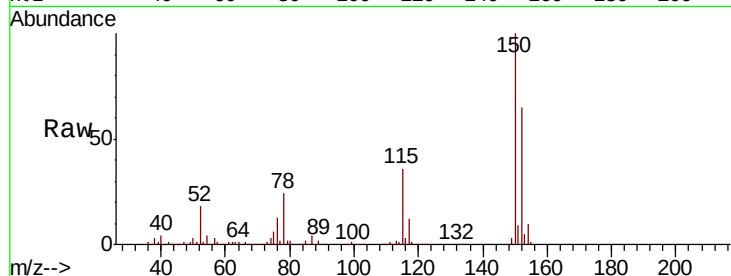


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112144.D
Acq: 19 Jan 2019 00:13

Instrument :
BNA_F
ClientSampleId :
RBR200034

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.4	191.0
115	56.3	45.5	68.3

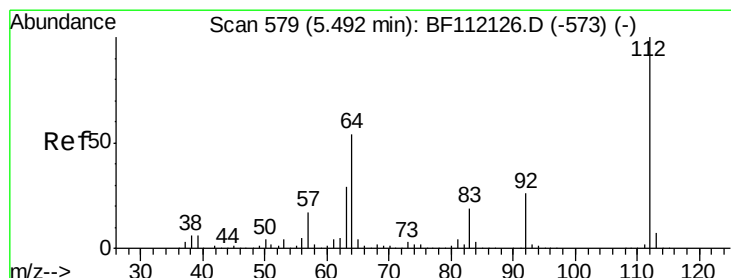
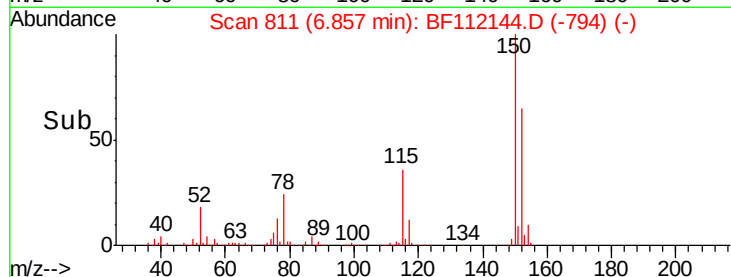
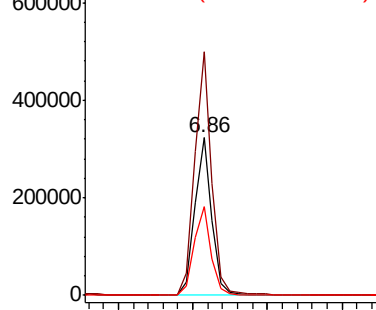


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

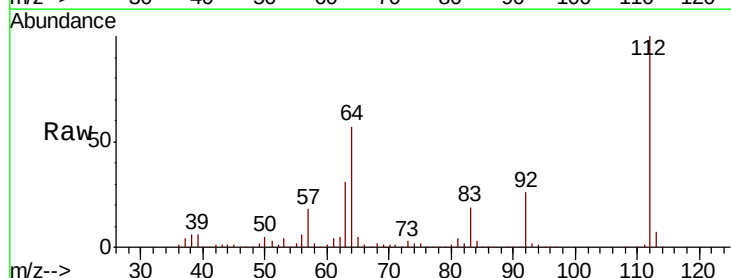
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.630 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112144.D
Acq: 19 Jan 2019 00:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.7	68.5
63	30.9	23.6	35.4

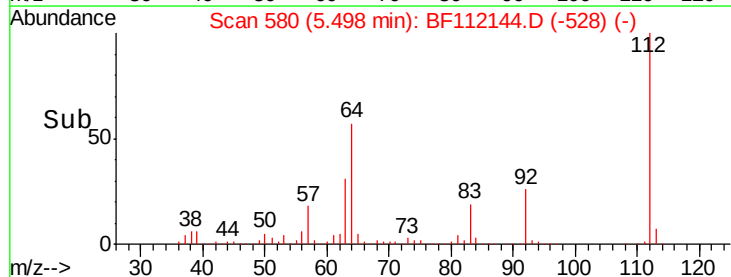
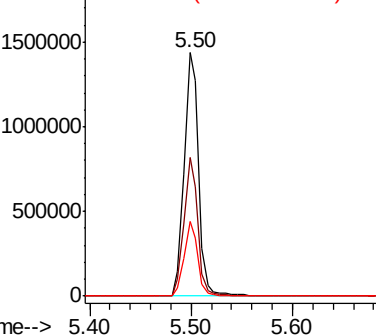


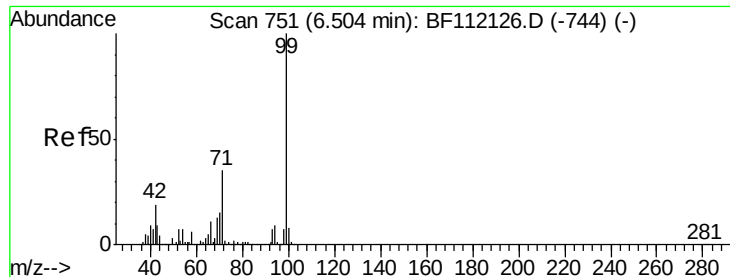
Abundance

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: 84.022 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

RBR200034

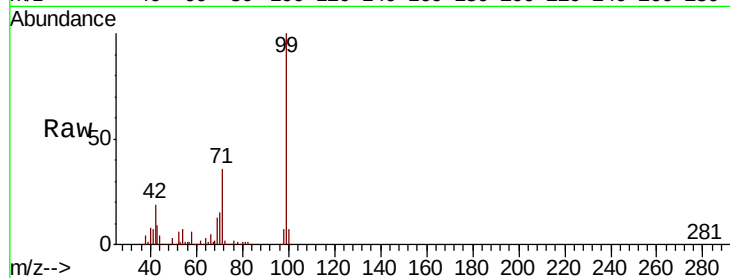
Tgt Ion: 99 Resp: 1507414

Ion Ratio Lower Upper

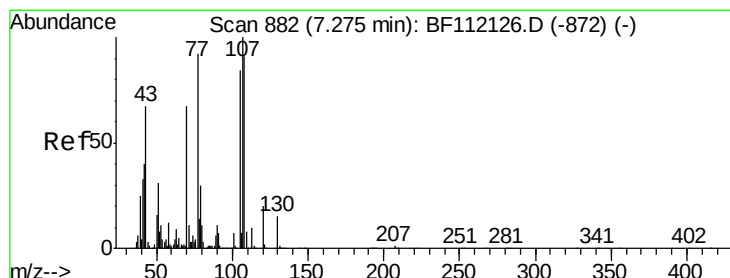
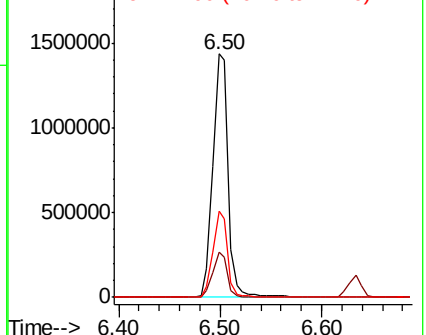
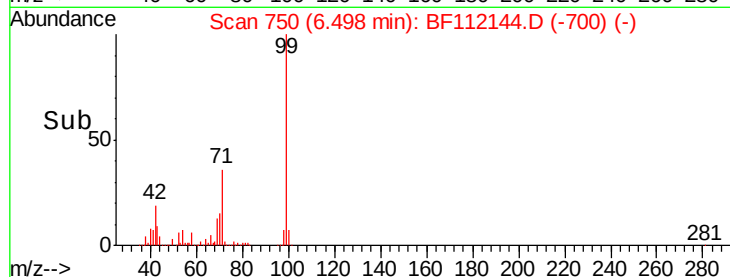
99 100

42 18.8 15.1 22.7

71 35.6 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: 16.997 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Tgt Ion: 70 Resp: 185771

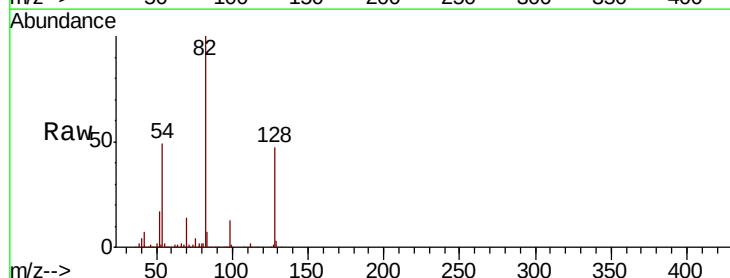
Ion Ratio Lower Upper

70 100

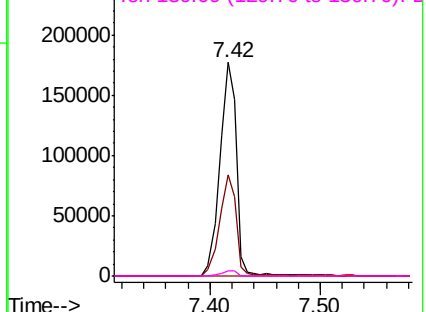
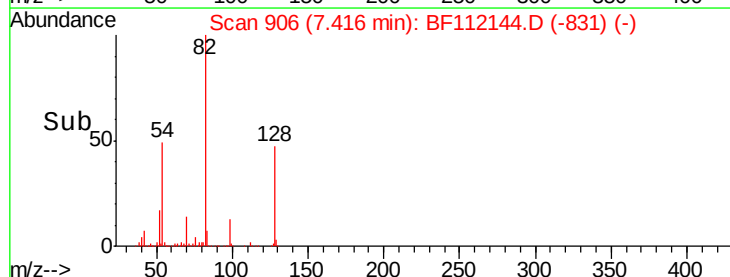
42 47.4 47.6 71.4#

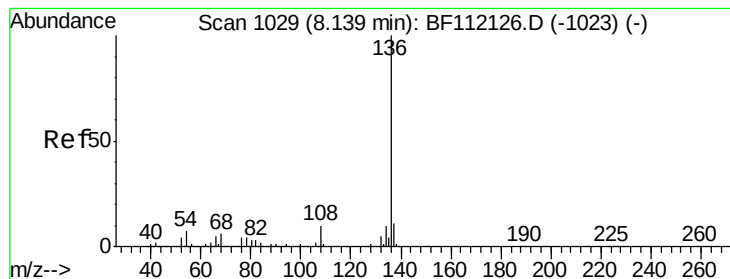
101 0.0 7.9 11.9#

130 2.4 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: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

RBR200034

Tgt Ion: 136 Resp: 971423

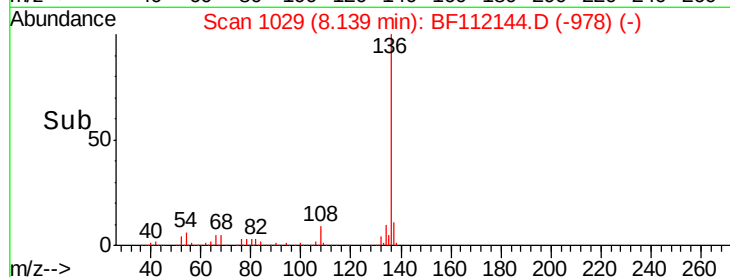
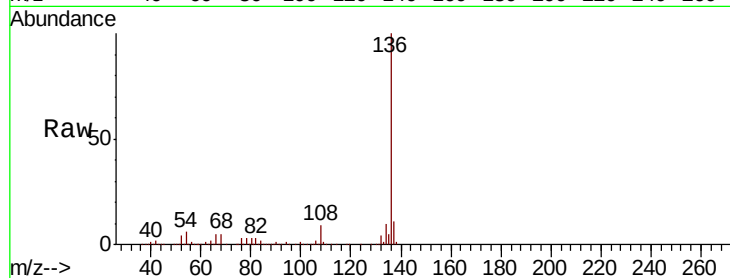
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.0 5.9 8.9

68 5.1 5.1 7.7#

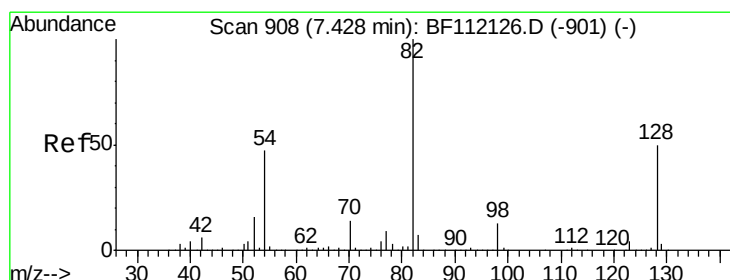
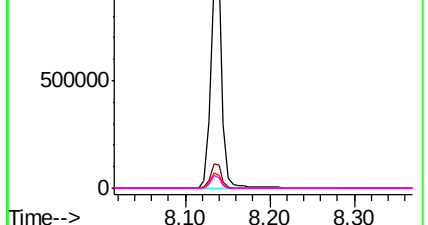


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.340 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

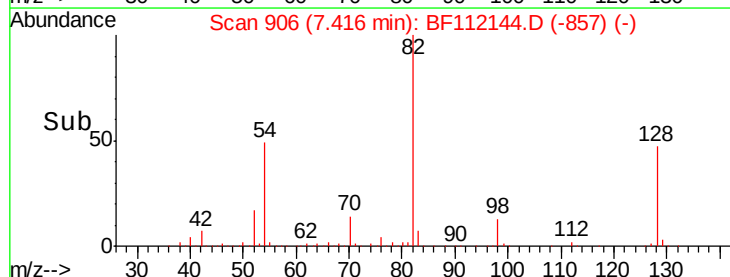
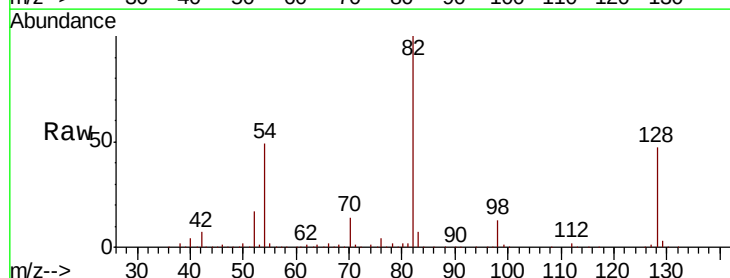
Tgt Ion: 82 Resp: 1354587

Ion Ratio Lower Upper

82 100

128 46.9 37.8 56.8

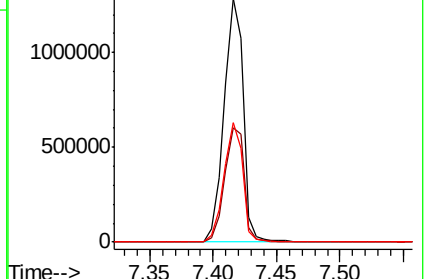
54 49.1 39.7 59.5

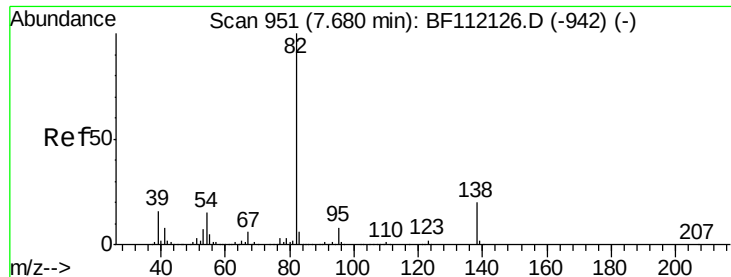


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.316 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

RBR200034

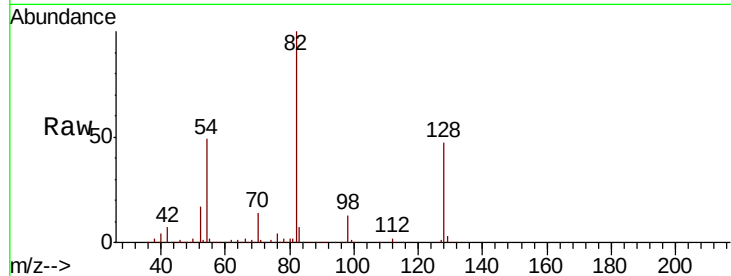
Tgt Ion: 82 Resp: 1339337

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

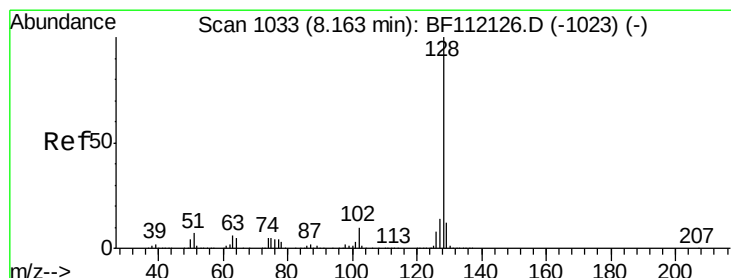
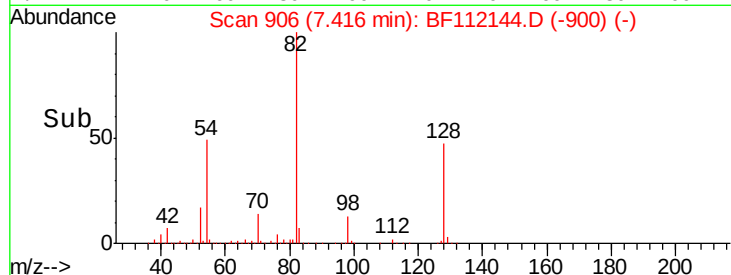
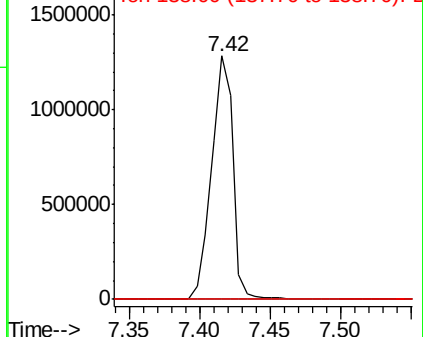
138 0.0 15.4 23.0#



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



#31

Naphthalene

Concen: 2.664 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

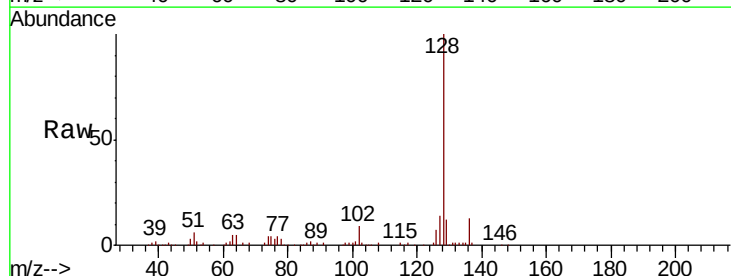
Tgt Ion: 128 Resp: 117700

Ion Ratio Lower Upper

128 100

129 11.6 9.6 14.4

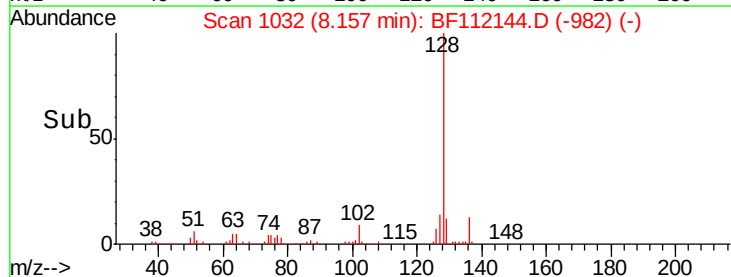
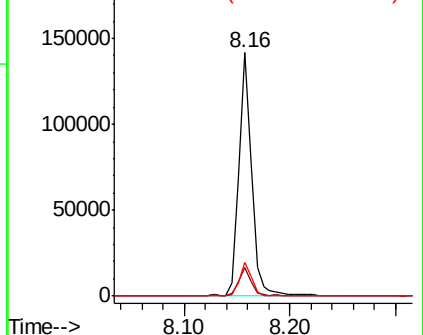
127 14.1 11.1 16.7

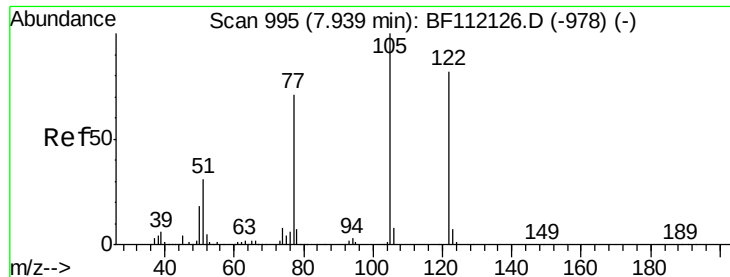


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.235 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.22 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

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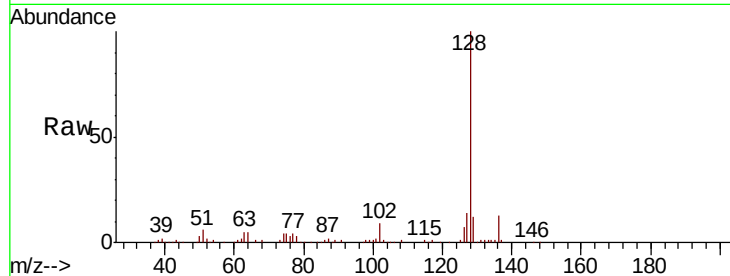
Tgt Ion:122 Resp: 356

Ion Ratio Lower Upper

122 100

105 61.0 101.2 141.2#

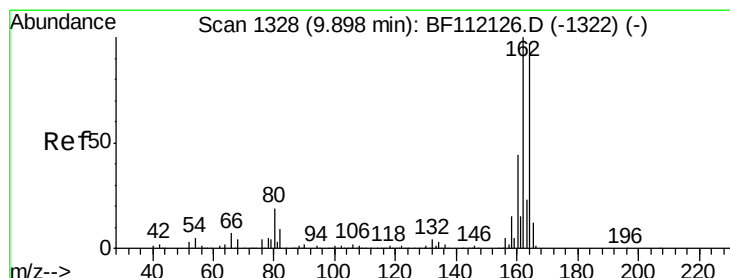
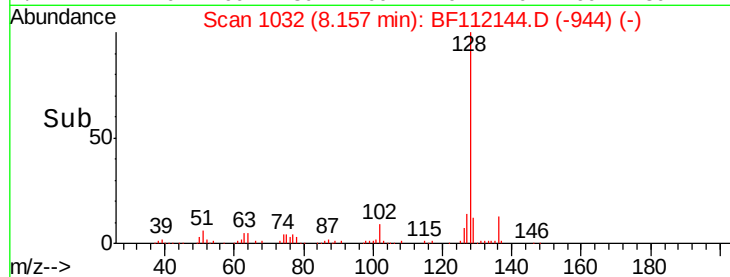
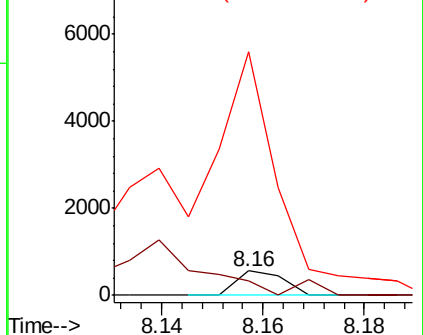
77 1010.1 70.4 110.4#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

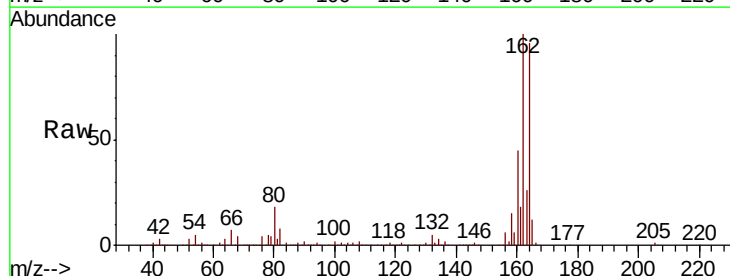
Tgt Ion:164 Resp: 463235

Ion Ratio Lower Upper

164 100

162 103.7 82.2 123.4

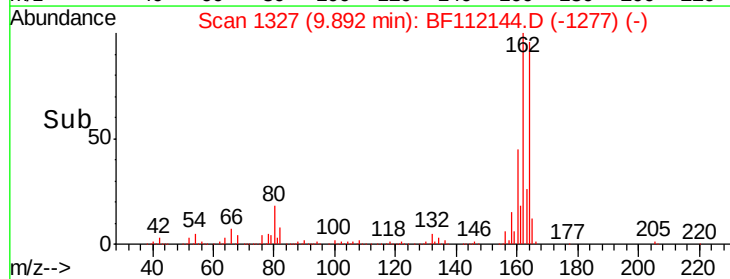
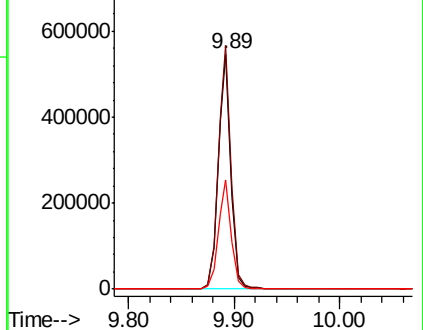
160 46.7 36.2 54.4

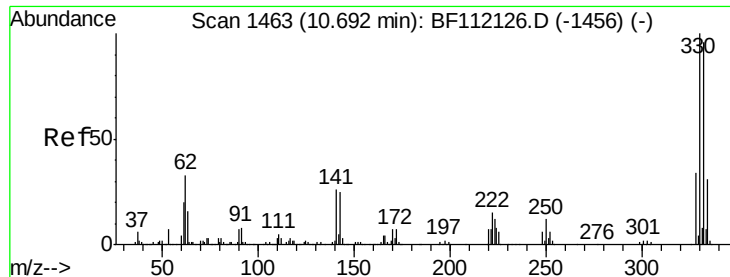


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

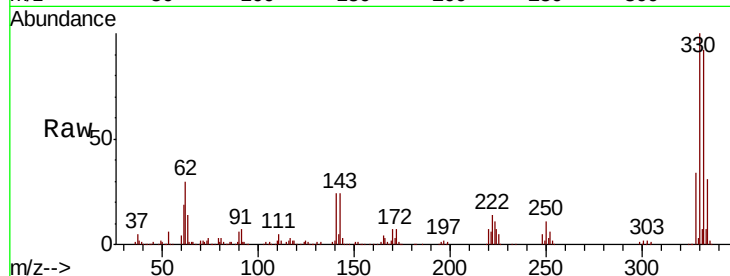




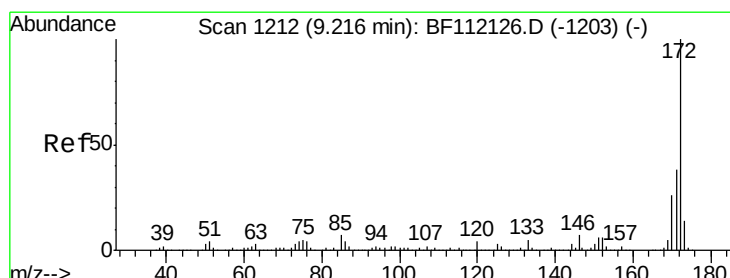
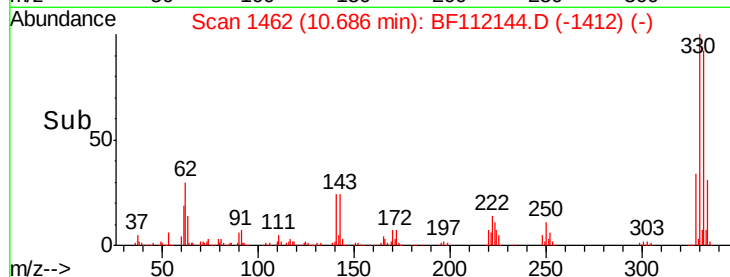
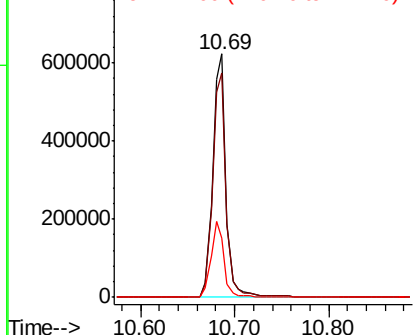
#42
 2,4,6-Tribromophenol
 Concen: 124.907 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112144.D
 Acq: 19 Jan 2019 00:13

Instrument :
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 ClientSampleId :
 RBR200034

Tgt Ion:330 Resp: 624198
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 114.8
 141 30.6 24.3 36.5

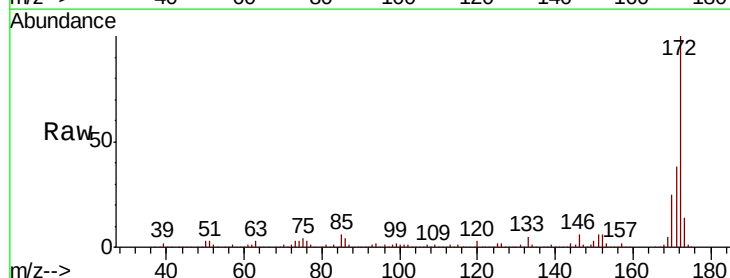


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

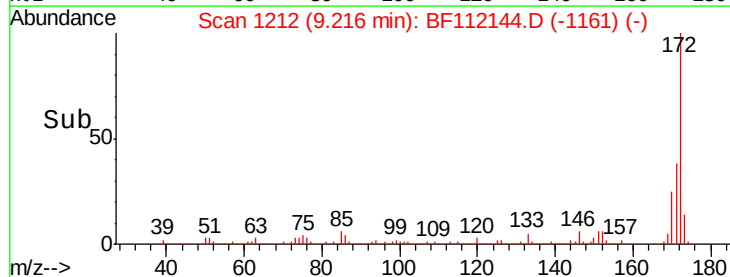
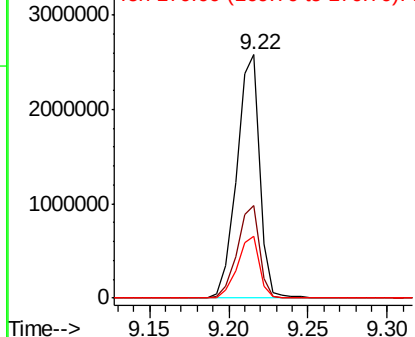


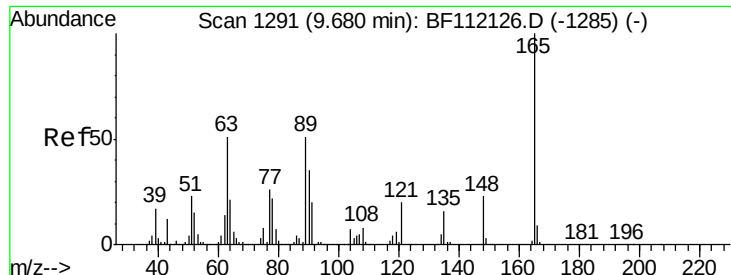
#45
 2-Fluorobiphenyl
 Concen: 81.633 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112144.D
 Acq: 19 Jan 2019 00:13

Tgt Ion:172 Resp: 2579283
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.5 45.7
 170 25.4 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: 8.791 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

RBR200034

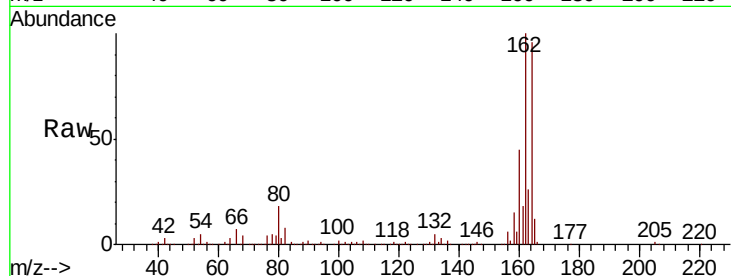
Tgt Ion:165 Resp: 59307

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

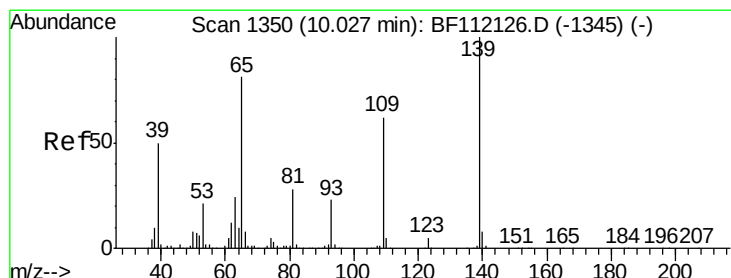
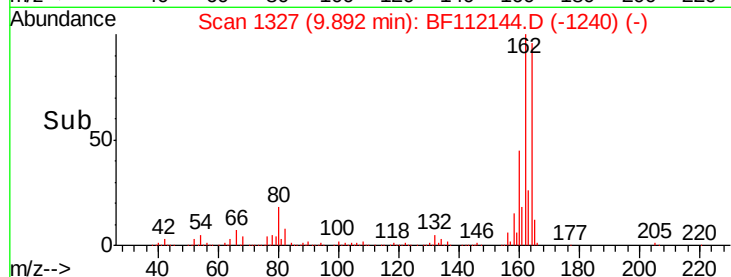
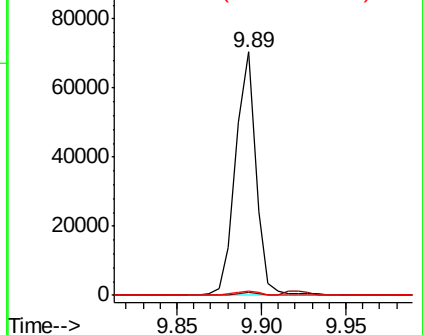
89 1.7 36.9 55.3#



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



#56

4-Nitrophenol

Concen: 5.964 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.07 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

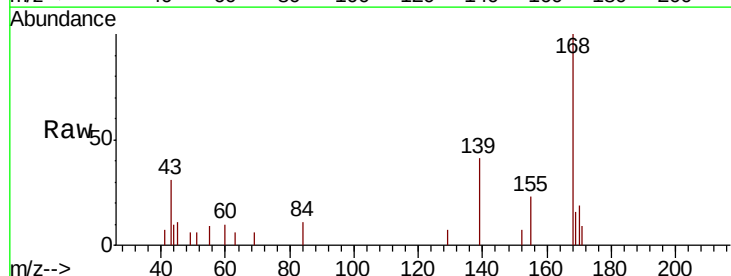
Tgt Ion:139 Resp: 1794

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

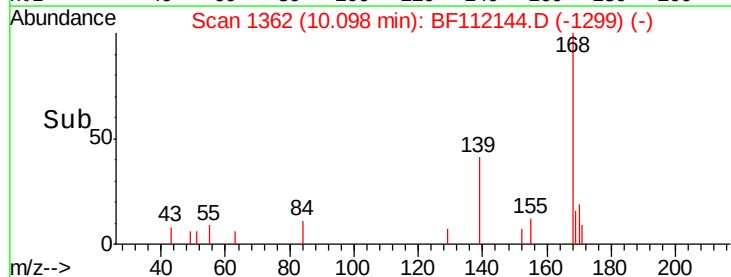
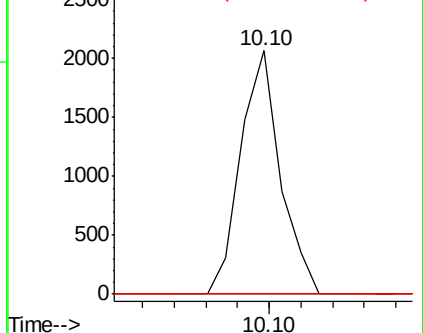
65 0.0 66.1 106.1#

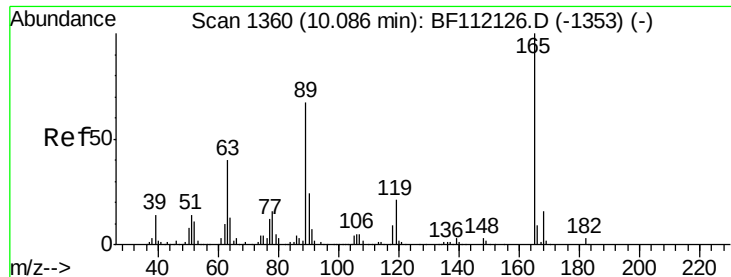


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 10.776 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

RBR200034

Tgt Ion:165 Resp: 59307

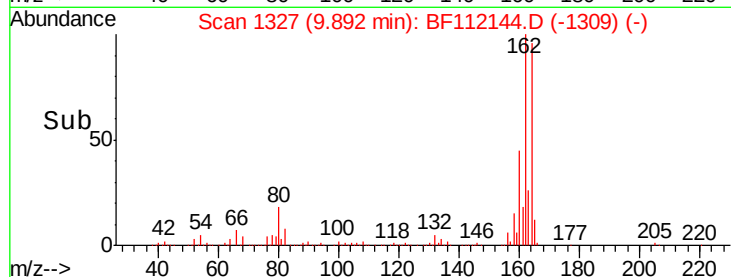
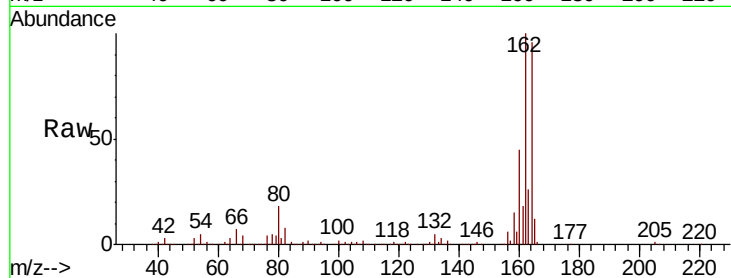
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.7 47.9 71.9#

182 0.0 2.2 3.4#

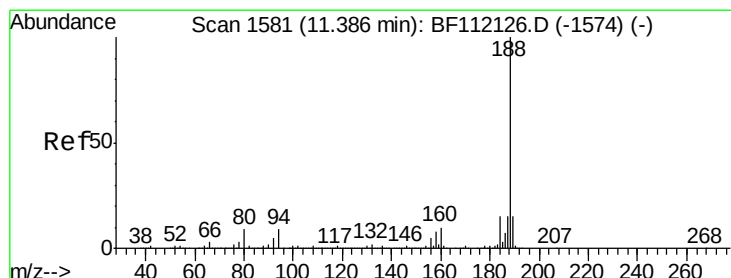
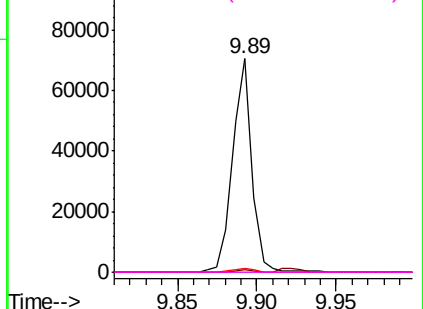


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112144.D

Acq: 19 Jan 2019 00:13

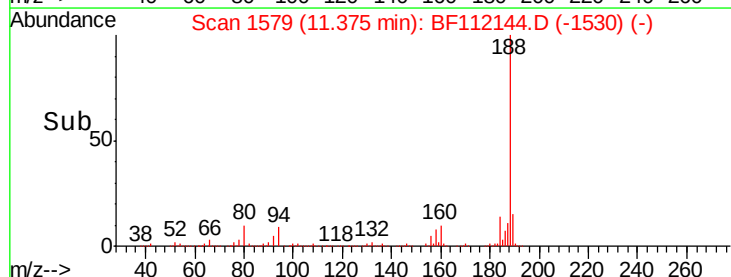
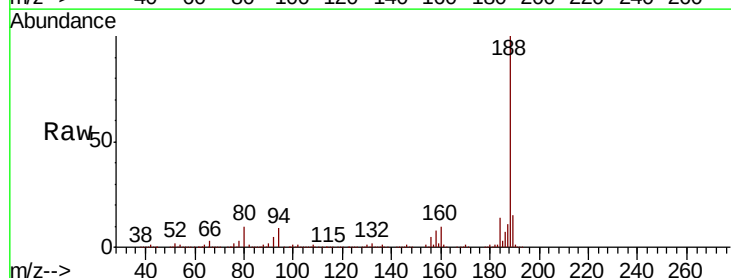
Tgt Ion:188 Resp: 798814

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

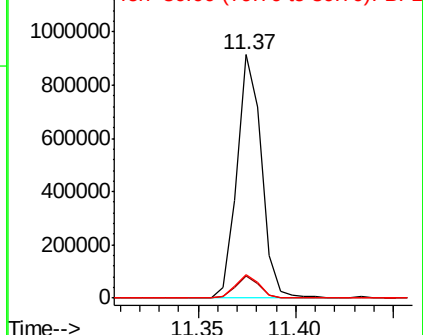
80 9.9 8.9 13.3

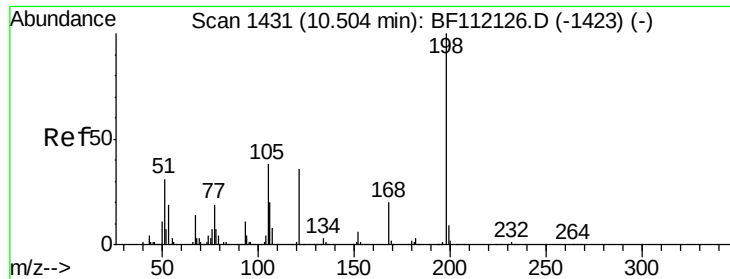


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

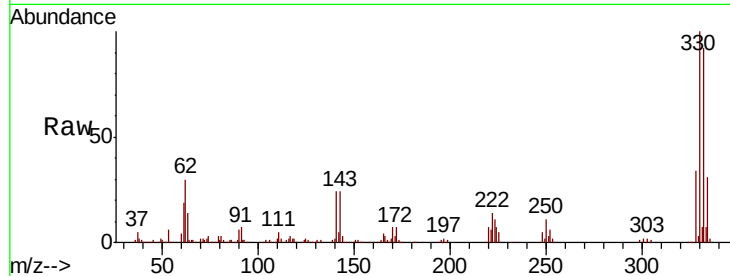




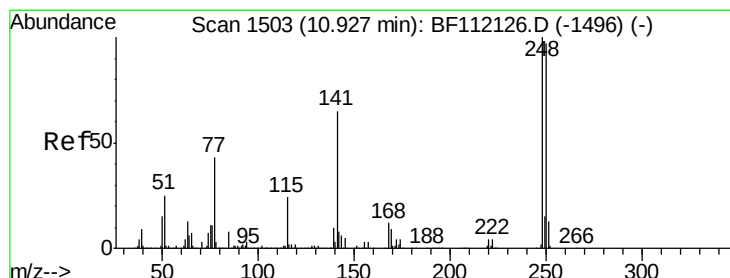
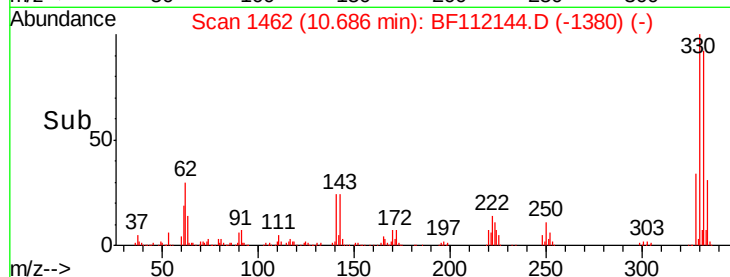
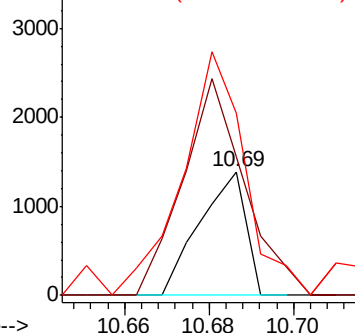
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.322 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.18 min
 Lab File: BF112144.D
 Acq: 19 Jan 2019 00:13

Instrument :
 BNA_F
 ClientSampleId :
 RBR200034

Tgt Ion:198 Resp: 1063
 Ion Ratio Lower Upper
 198 100
 51 112.4 17.2 57.2#
 105 147.1 21.9 61.9#

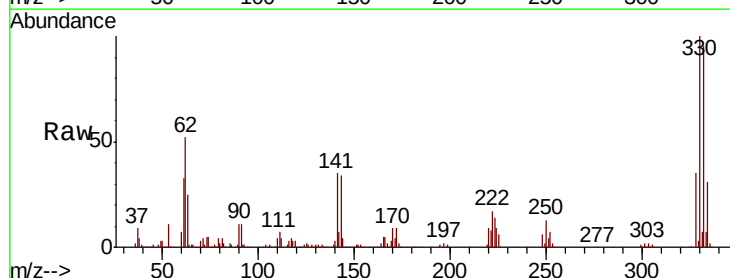


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

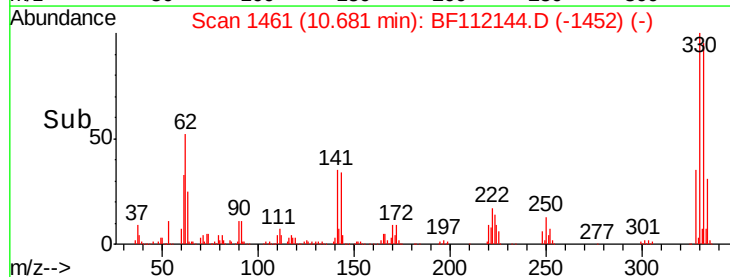
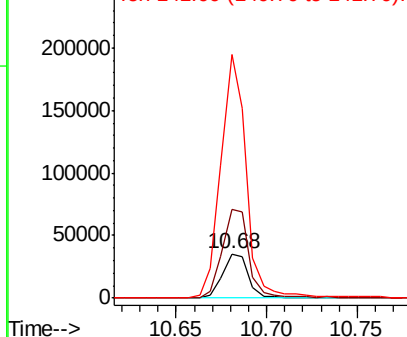


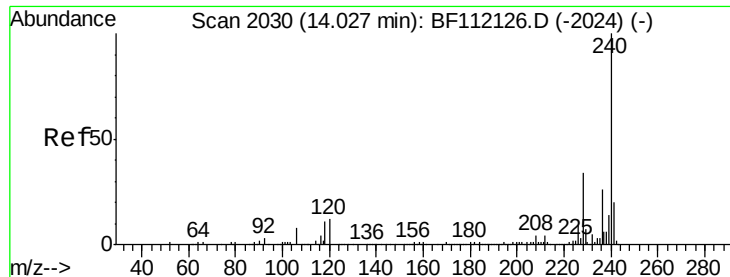
#67
 4-Bromophenyl-phenylether
 Concen: 3.830 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF112144.D
 Acq: 19 Jan 2019 00:13

Tgt Ion:248 Resp: 35537
 Ion Ratio Lower Upper
 248 100
 250 200.3 79.7 119.5#
 141 546.3 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

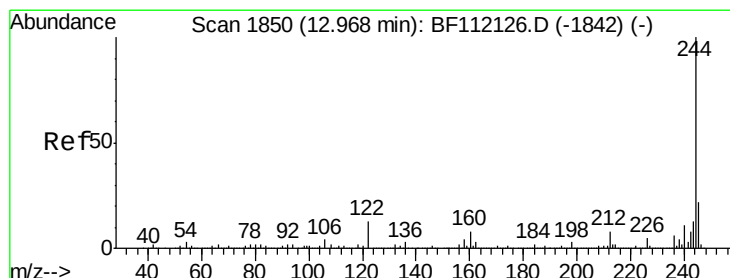
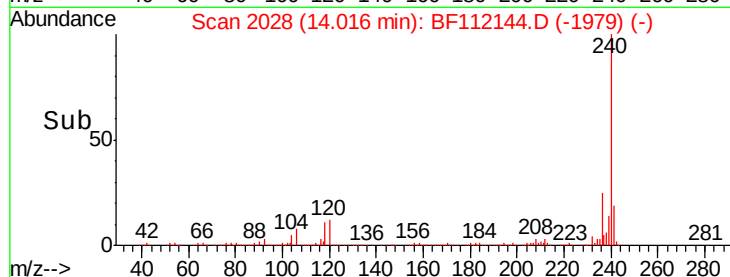
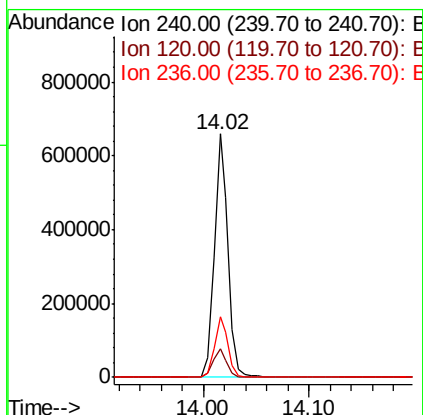
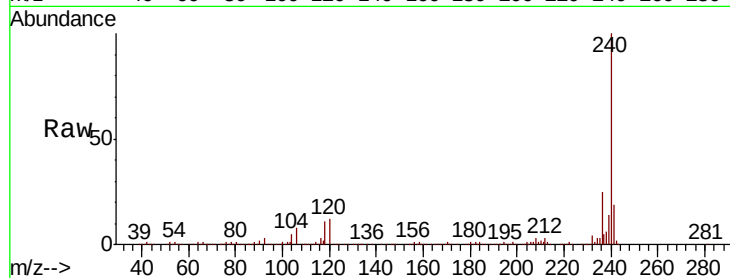




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112144.D
Acq: 19 Jan 2019 00:13

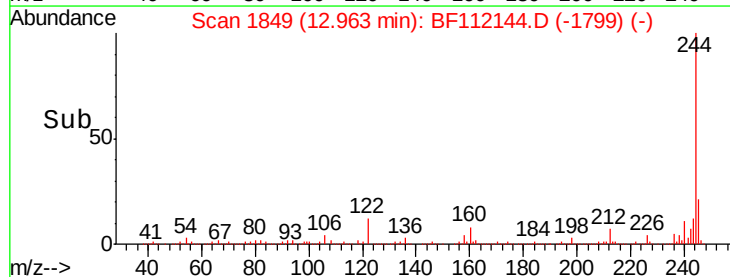
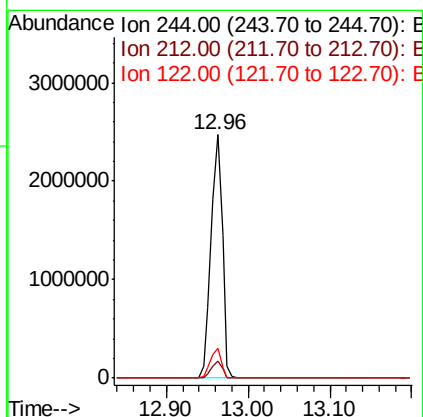
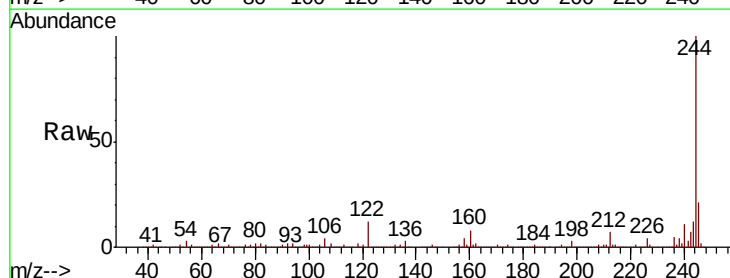
Instrument :
BNA_F
ClientSampleId :
RBR200034

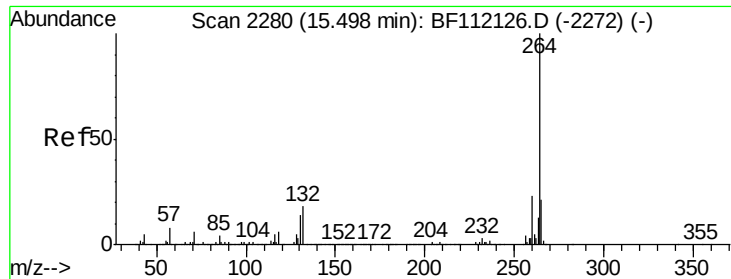
Tgt Ion:240 Resp: 598620
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.1 20.7 31.1



#79
Terphenyl-d14
Concen: 84.659 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112144.D
Acq: 19 Jan 2019 00:13

Tgt Ion:244 Resp: 2382217
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 12.3 9.8 14.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF112144.D
Acq: 19 Jan 2019 00:13

Instrument :
BNA_F
ClientSampleId :
RBR200034

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.6	17.0	25.4

