

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112141.D
 Acq On : 18 Jan 2019 22:51
 Operator : JU/SJ
 Sample : K1173-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-5124

Quant Time: Jan 19 00:48:08 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	280360	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1075116	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	531490	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	988328	20.00	ng	0.00
76) Chrysene-d12	14.02	240	702825	20.00	ng	-0.01
87) Perylene-d12	15.49	264	693384	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1398108	90.51	ng	0.00
7) Phenol-d6	6.50	99	1526506	78.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	1304252	83.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	641797	111.94	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2562238	70.68	ng	0.00
79) Terphenyl-d14	12.96	244	2603208	78.80	ng	0.00

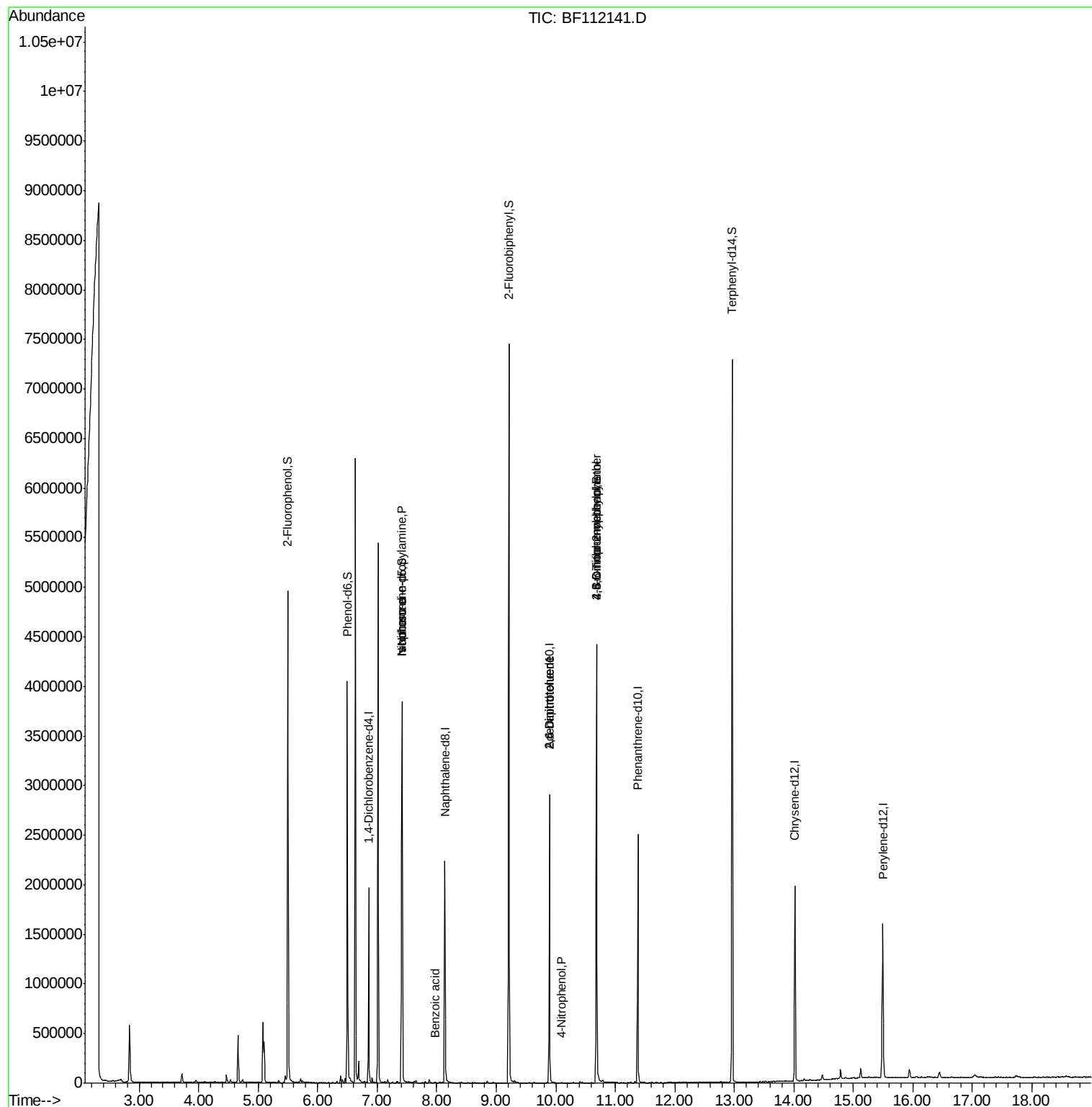
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	1543	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	176666	15.005	ng	# 76
25) Isophorone	7.42	82	1287413	42.832	ng	# 63
32) Benzoic acid	7.97	122	107	7.186	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	68552	8.856	ng	# 33
56) 4-Nitrophenol	10.10	139	425	5.719	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	68552	10.822	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	1591	10.375	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	37911	3.302	ng	# 1

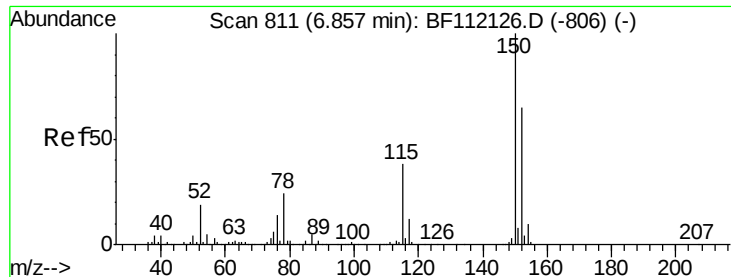
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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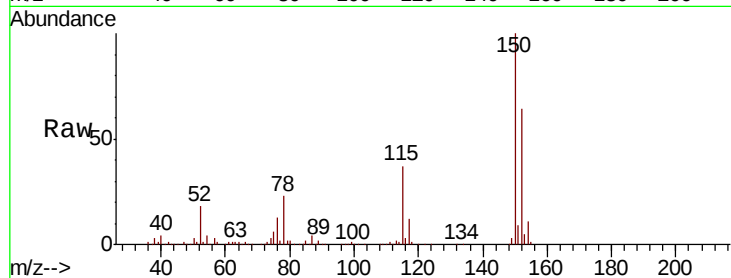


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

Instrument :
BNA_F
ClientSampleId :
RT-5124

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.0
115	58.5	45.5	68.3

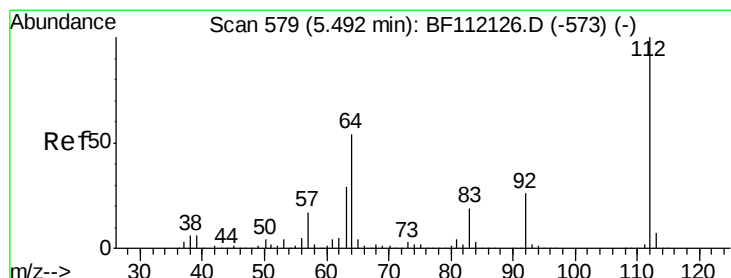
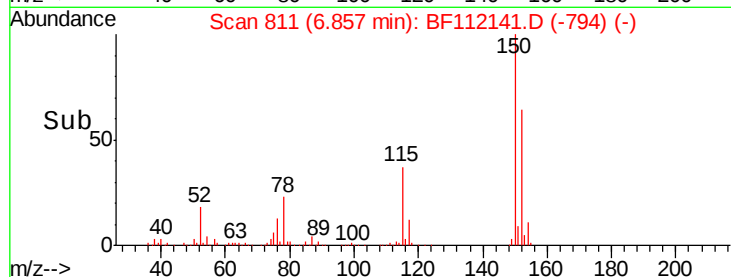
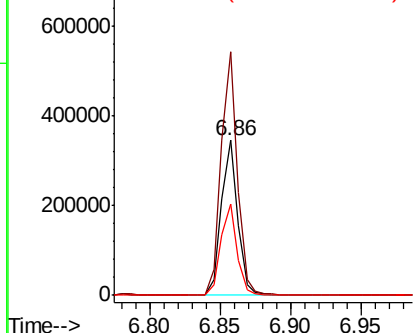


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

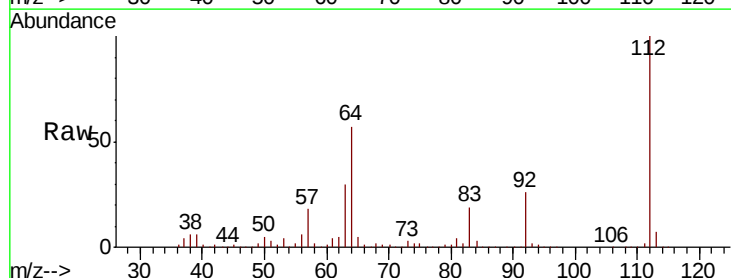
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.513 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	29.8	23.6	35.4

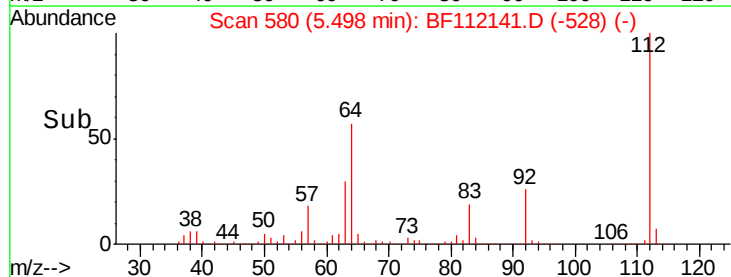
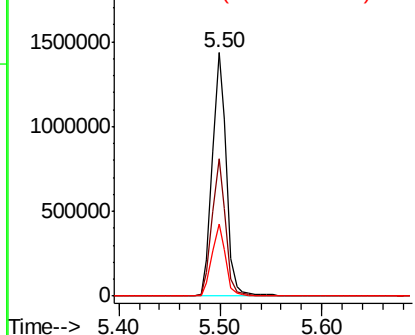


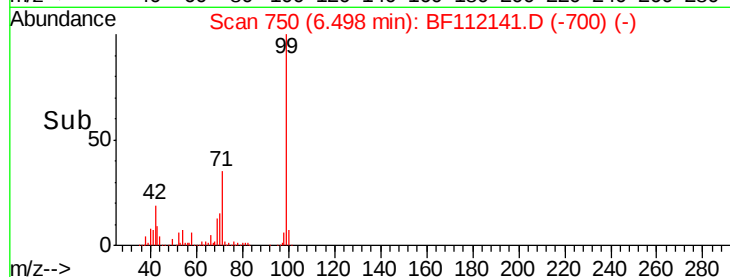
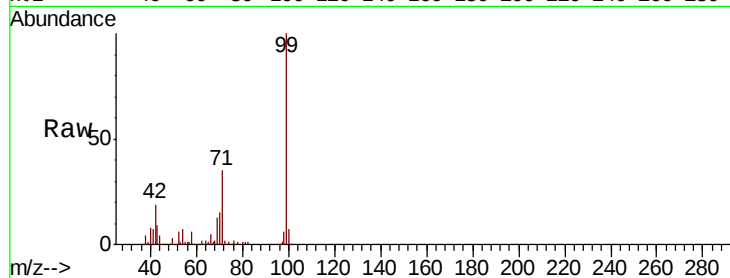
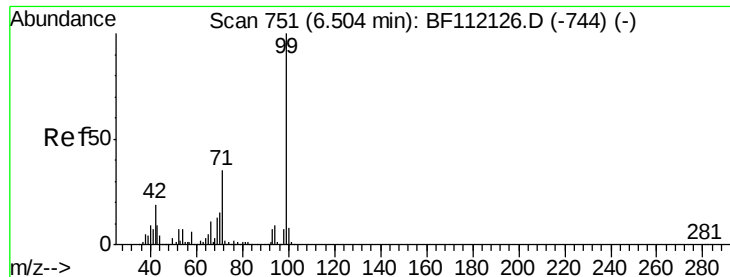
Abundance

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: 78.987 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

RT-5124

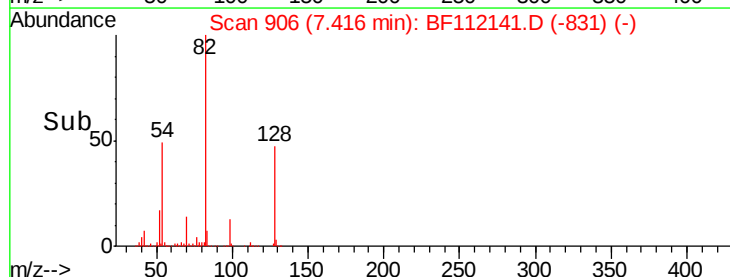
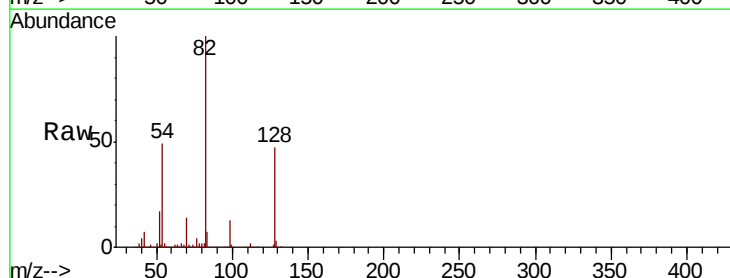
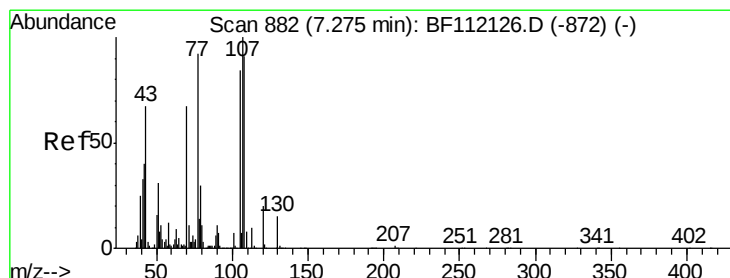
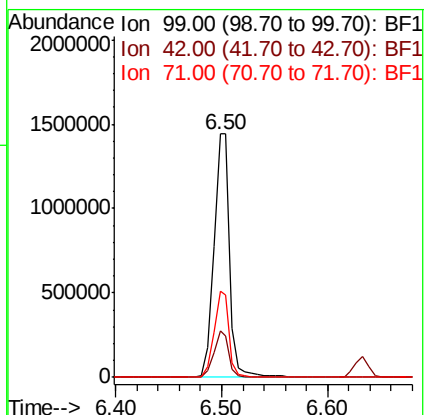
Tgt Ion: 99 Resp: 1526506

Ion Ratio Lower Upper

99 100

42 19.3 15.1 22.7

71 35.2 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.005 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Tgt Ion: 70 Resp: 176666

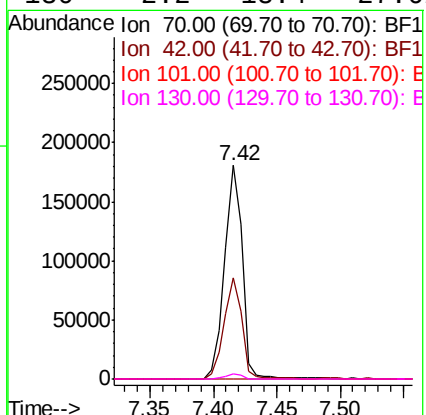
Ion Ratio Lower Upper

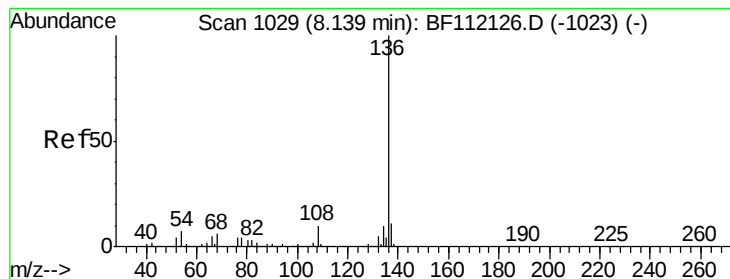
70 100

42 47.7 47.6 71.4

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

RT-5124

Tgt Ion: 136 Resp: 1075116

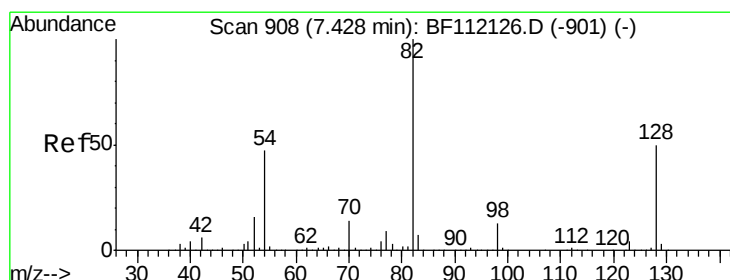
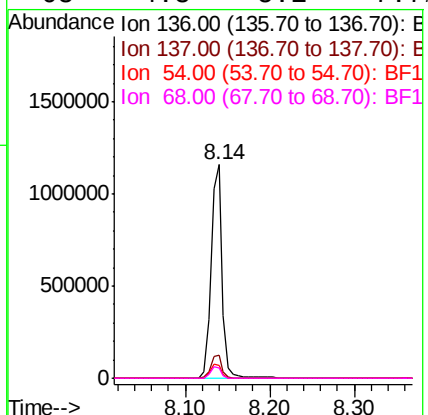
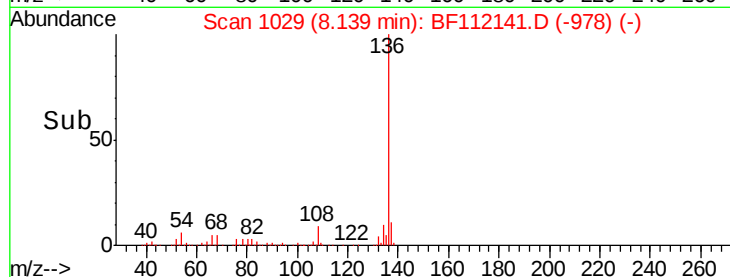
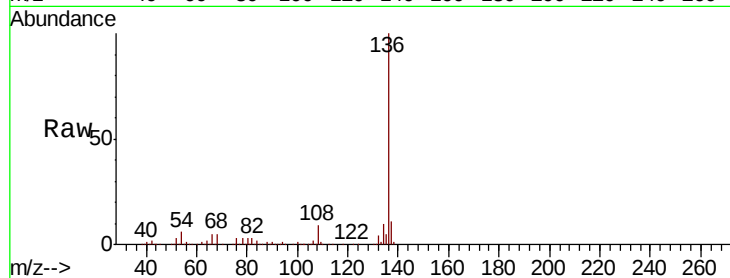
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.3 5.9 8.9

68 4.8 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 83.814 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

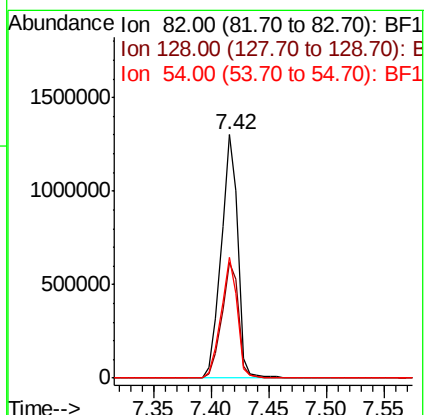
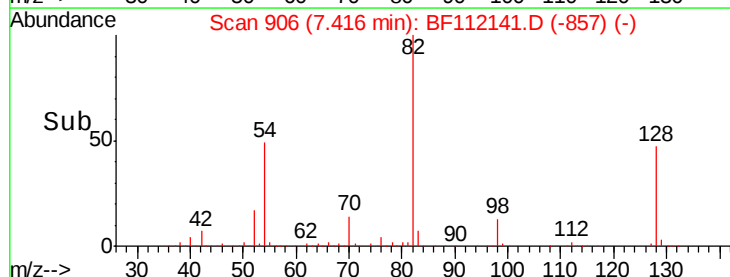
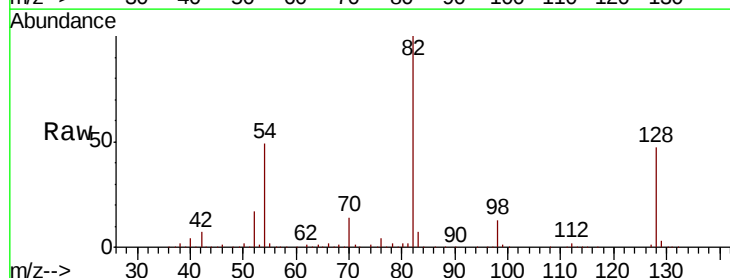
Tgt Ion: 82 Resp: 1304252

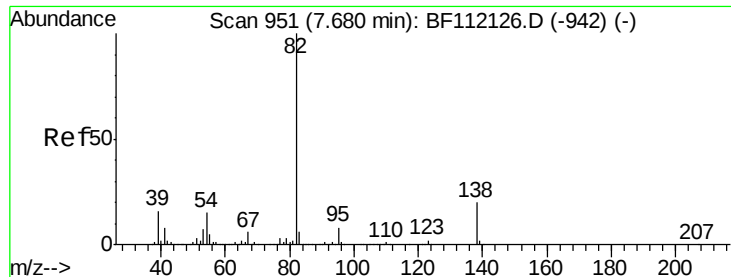
Ion Ratio Lower Upper

82 100

128 47.2 37.8 56.8

54 49.3 39.7 59.5





#25

Isophorone

Concen: 42.832 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

RT-5124

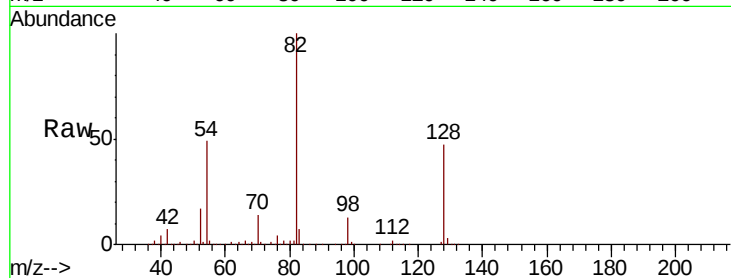
Tgt Ion: 82 Resp: 1287413

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

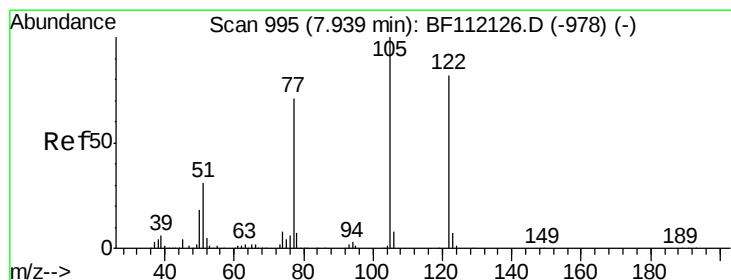
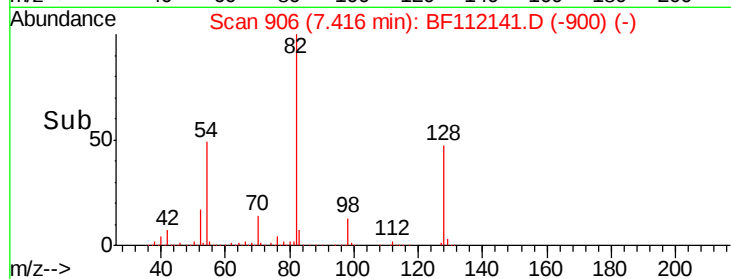
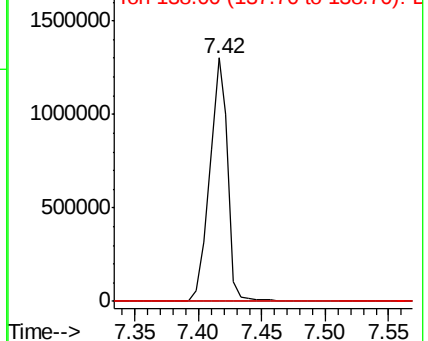
138 0.0 15.4 23.0#



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: 7.186 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.03 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

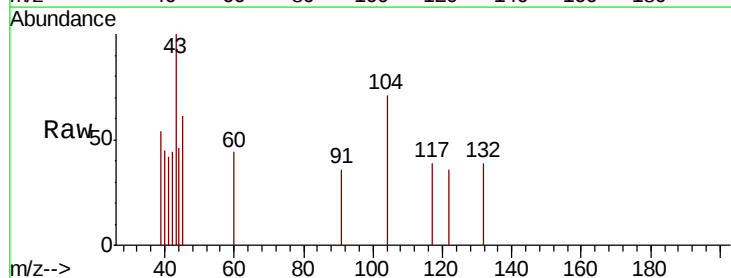
Tgt Ion: 122 Resp: 107

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

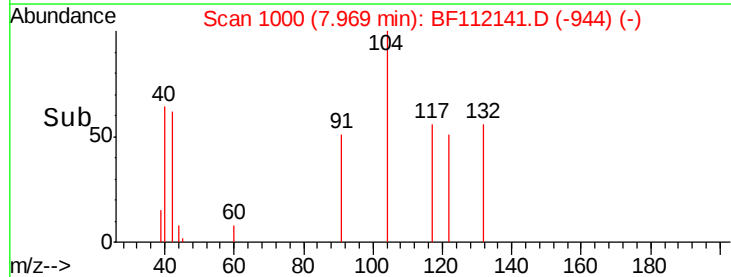
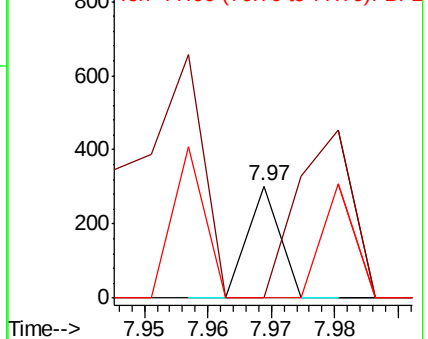
77 0.0 70.4 110.4#

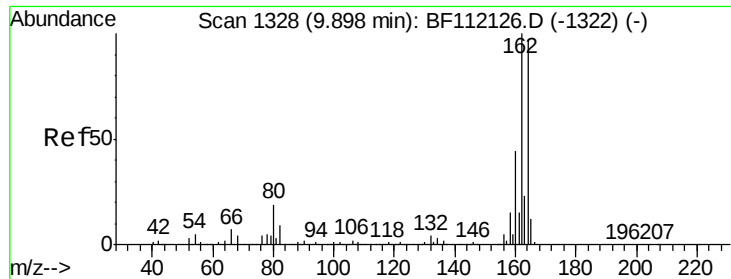


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

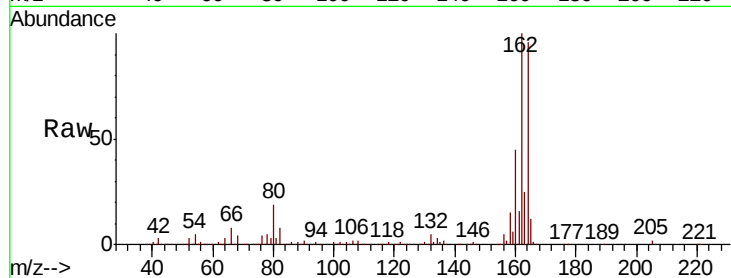




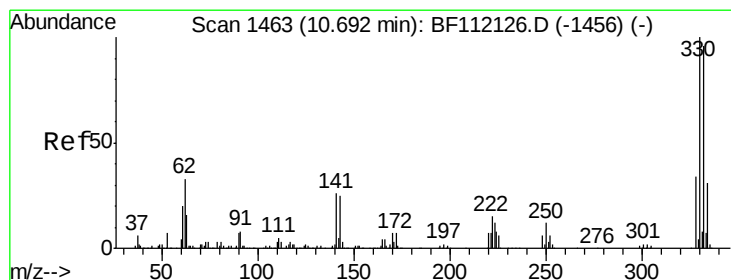
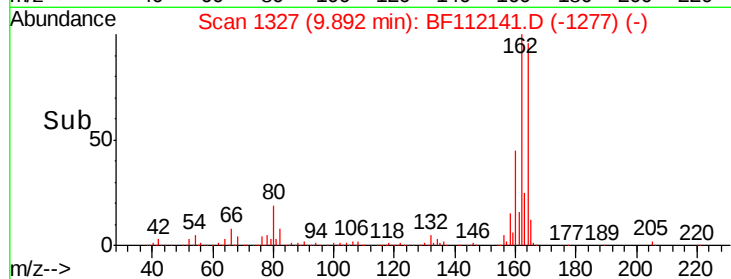
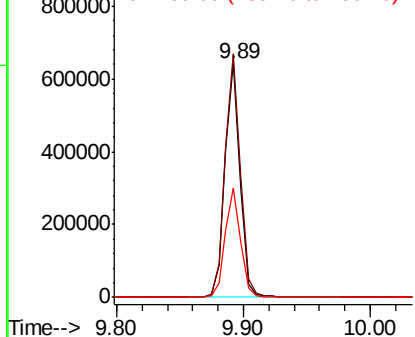
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112141.D
 Acq: 18 Jan 2019 22:51

Instrument :
 BNA_F
 ClientSampleId :
 RT-5124

Tgt Ion:164 Resp: 531490
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.2 123.4
 160 46.5 36.2 54.4

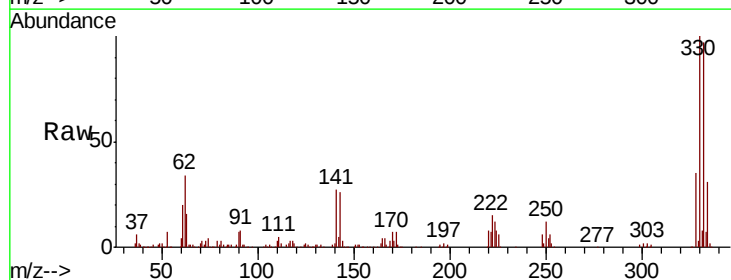


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

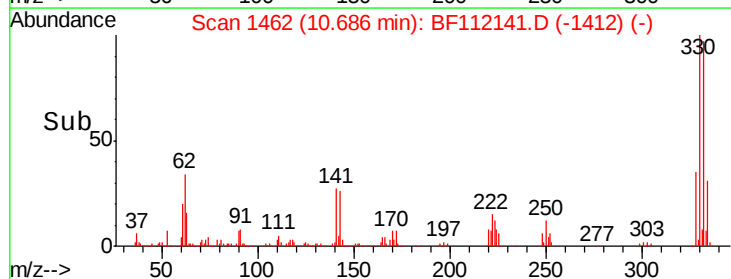
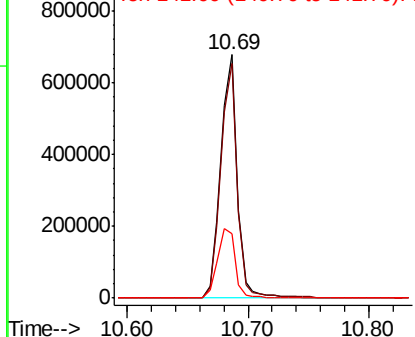


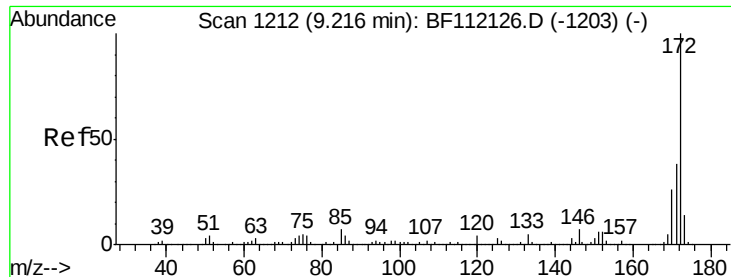
#42
 2,4,6-Tribromophenol
 Concen: 111.936 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112141.D
 Acq: 18 Jan 2019 22:51

Tgt Ion:330 Resp: 641797
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 30.9 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

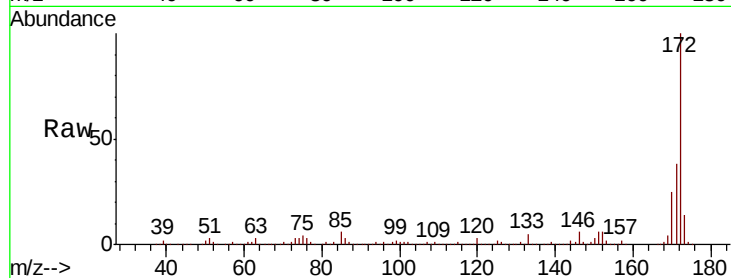




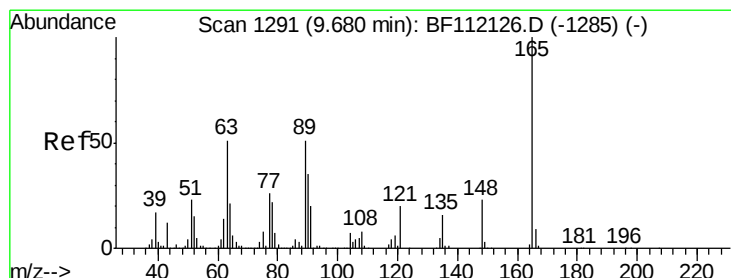
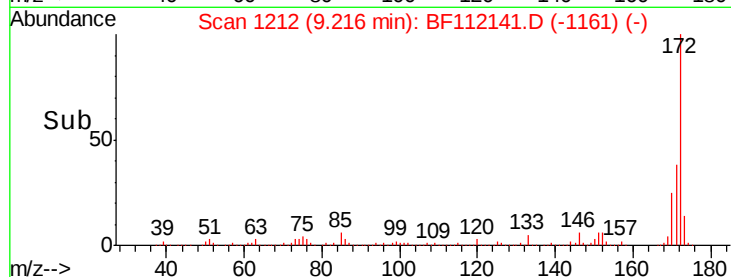
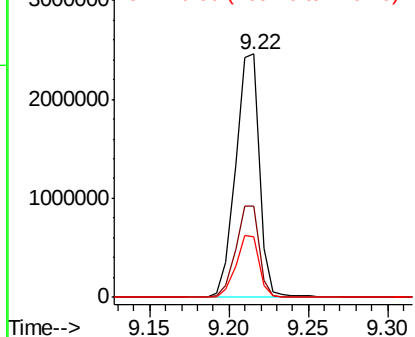
#45
 2-Fluorobiphenyl
 Concen: 70.679 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112141.D
 Acq: 18 Jan 2019 22:51

Instrument :
 BNA_F
 ClientSampleId :
 RT-5124

Tgt Ion:172 Resp: 2562238
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.5 45.7
 170 25.0 20.2 30.4

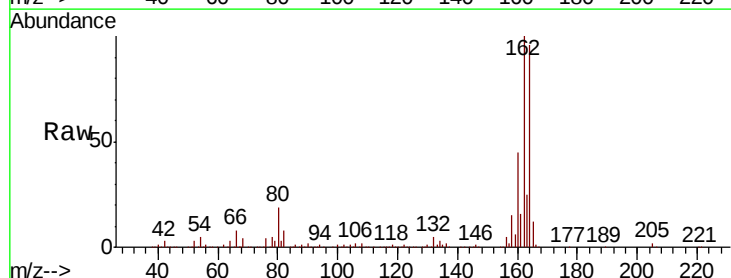


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

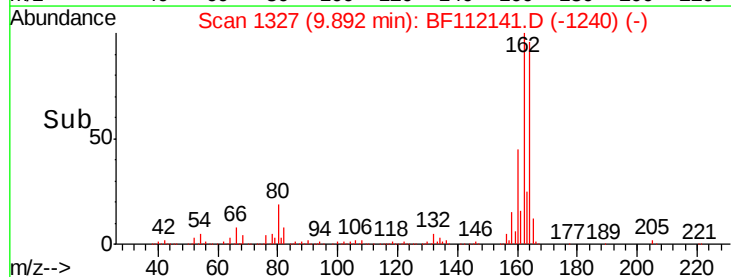
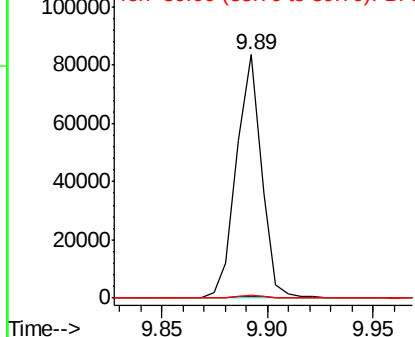


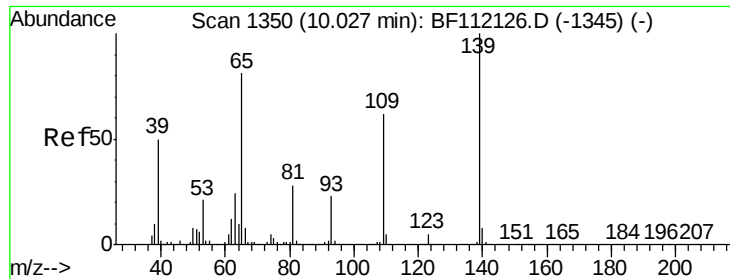
#51
 2,6-Dinitrotoluene
 Concen: 8.856 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112141.D
 Acq: 18 Jan 2019 22:51

Tgt Ion:165 Resp: 68552
 Ion Ratio Lower Upper
 165 100
 63 0.9 33.8 50.8#
 89 1.2 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: 5.719 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.07 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

RT-5124

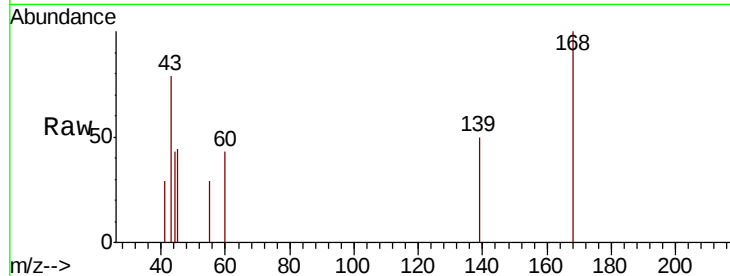
Tgt Ion:139 Resp: 425

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

800

600

400

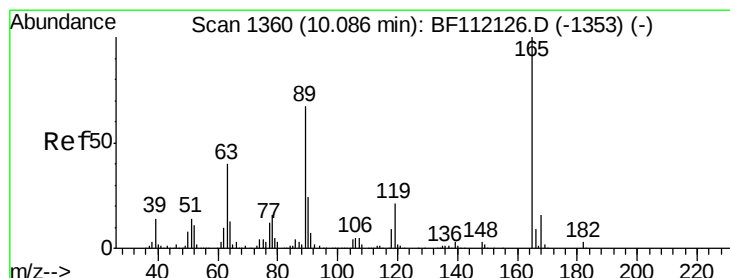
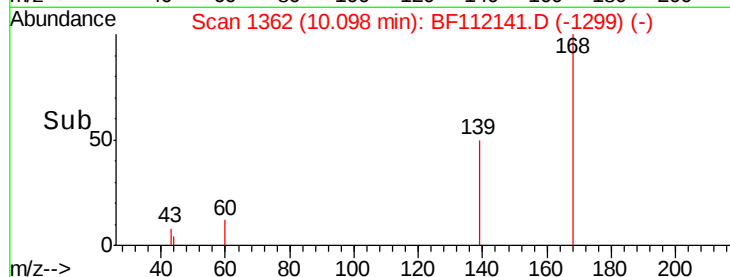
200

0

10.08

10.10

Time-->



#57

2,4-Dinitrotoluene

Concen: 10.822 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Tgt Ion:165 Resp: 68552

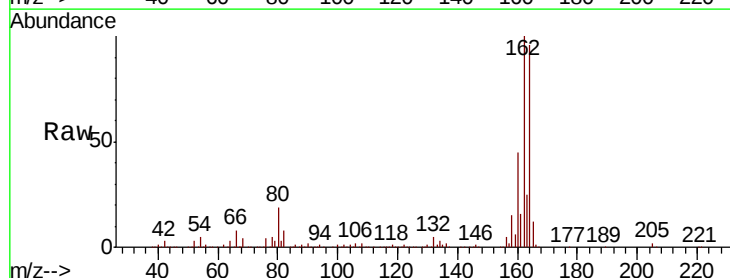
Ion Ratio Lower Upper

165 100

63 0.9 27.9 41.9#

89 1.2 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

120000

100000

80000

60000

40000

20000

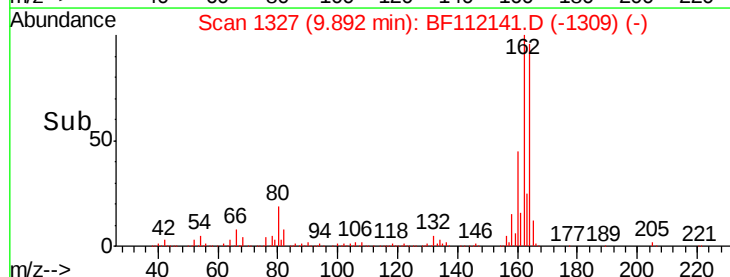
0

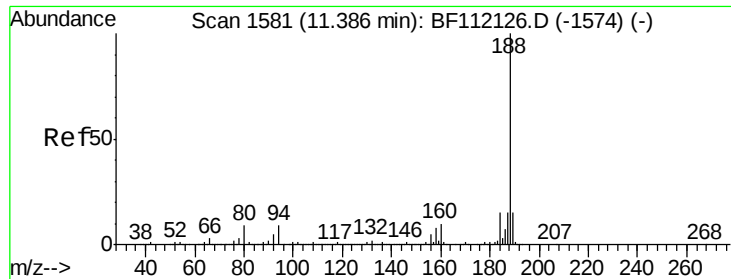
9.85

9.90

9.95

Time-->

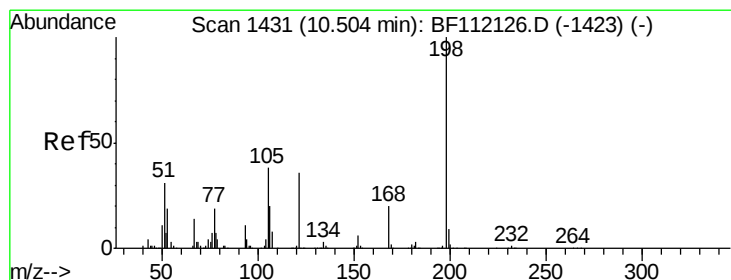
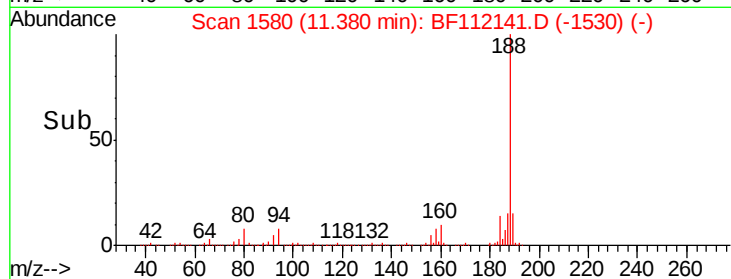
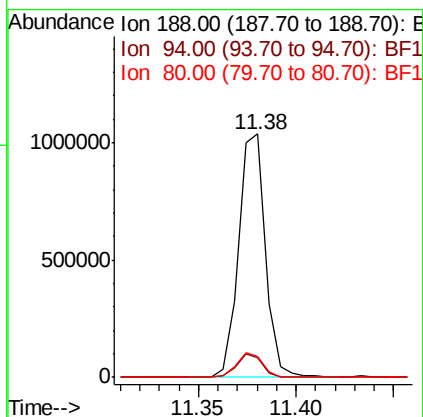
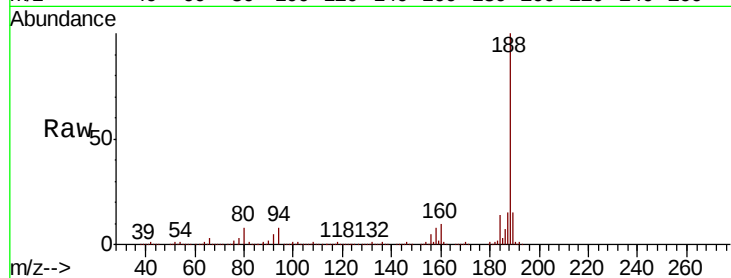




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

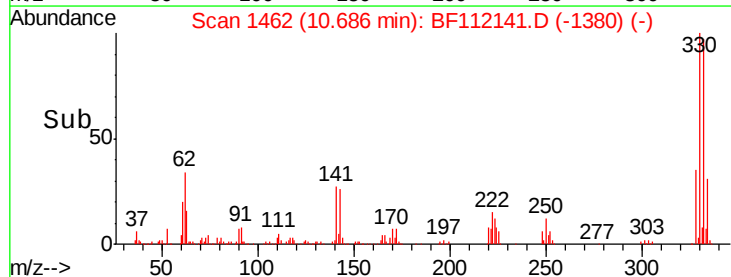
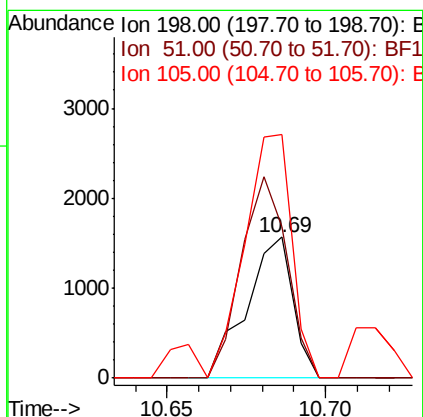
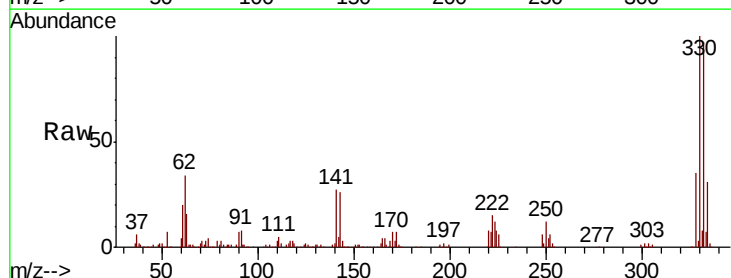
Instrument :
BNA_F
ClientSampleId :
RT-5124

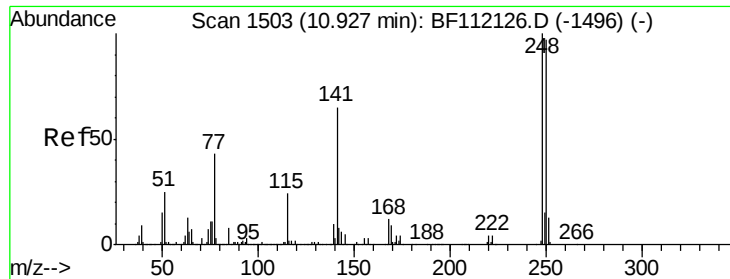
Tgt Ion:188 Resp: 988328
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 8.4 8.9 13.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 10.375 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

Tgt Ion:198 Resp: 1591
Ion Ratio Lower Upper
198 100
51 107.2 17.2 57.2#
105 172.9 21.9 61.9#

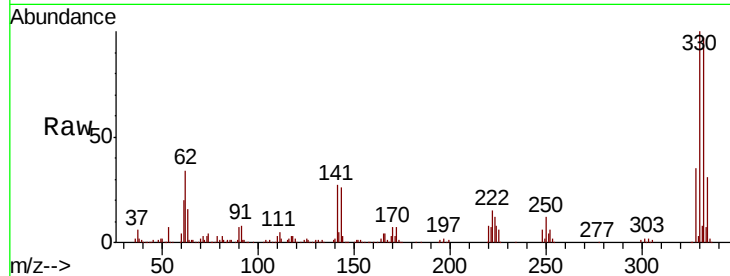




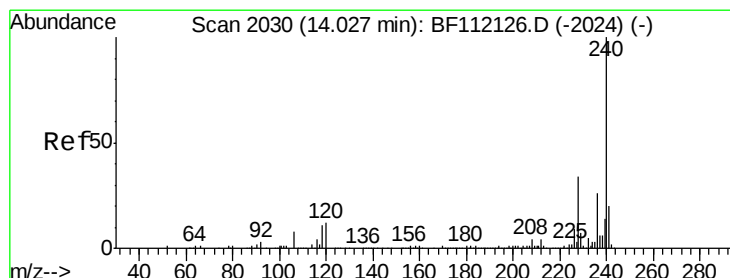
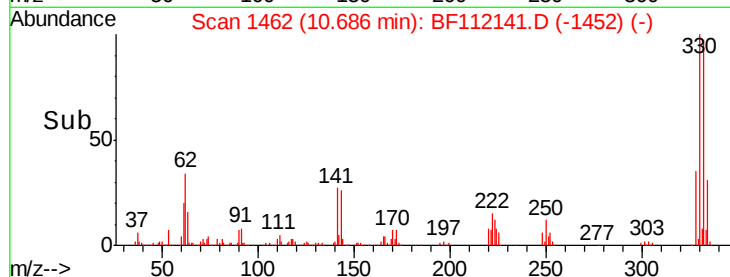
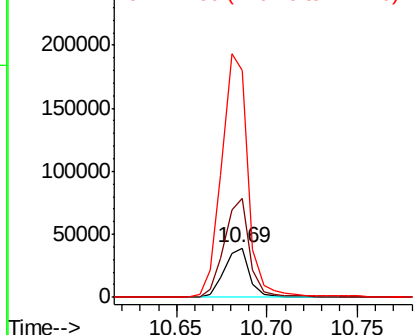
#67
4-Bromophenyl-phenylether
Concen: 3.302 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

Instrument :
BNA_F
ClientSampled :
RT-5124

Tgt Ion:248 Resp: 37911
Ion Ratio Lower Upper
248 100
250 198.7 79.7 119.5#
141 457.3 60.3 90.5#

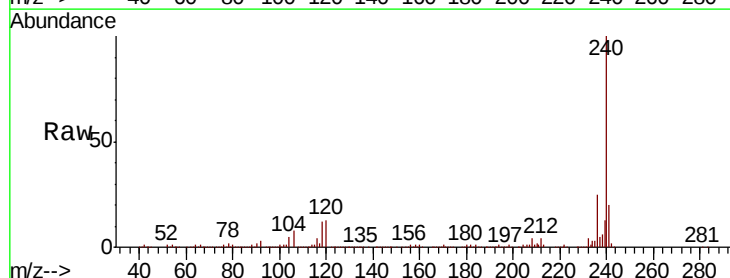


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

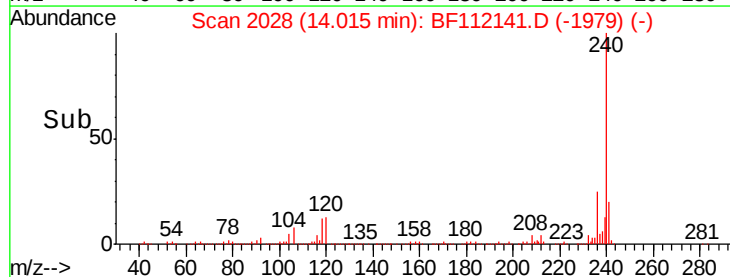
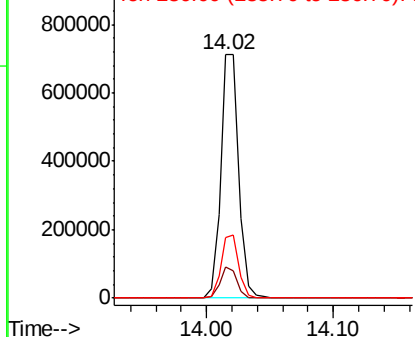


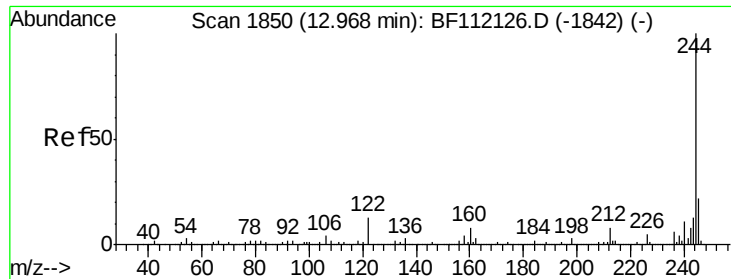
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112141.D
Acq: 18 Jan 2019 22:51

Tgt Ion:240 Resp: 702825
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.6
236 25.0 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





#79

Terphenyl-d14

Concen: 78.796 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

RT-5124

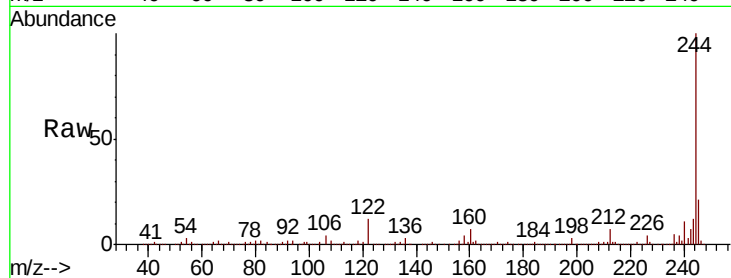
Tgt Ion:244 Resp: 2603208

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

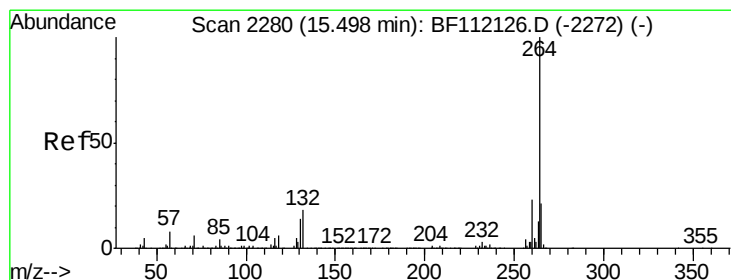
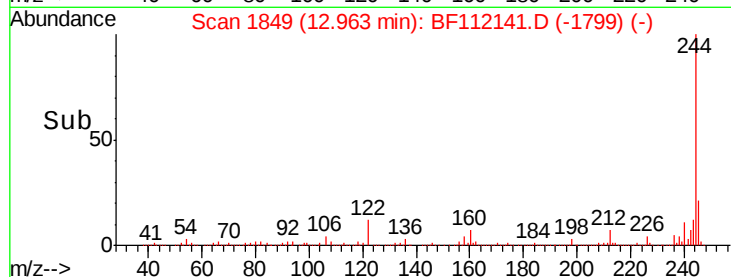
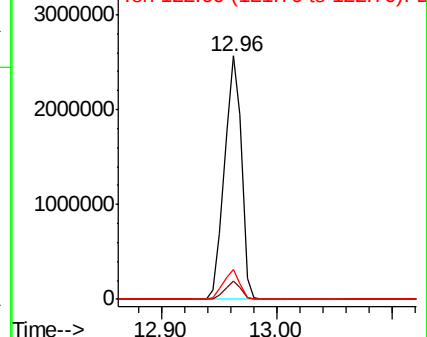
122 12.4 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112141.D

Acq: 18 Jan 2019 22:51

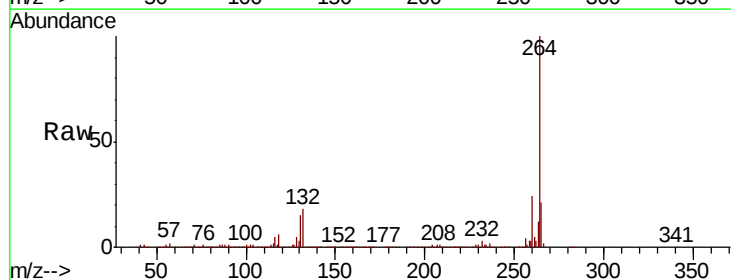
Tgt Ion:264 Resp: 693384

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 21.3 17.0 25.4



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

