

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112183.D
 Acq On : 22 Jan 2019 9:28
 Operator : JU/SJ
 Sample : K1009-08RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 10:01:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	247639	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	884084	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	375646	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	653804	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	562873	20.00	ng	-0.01
87) Perylene-d12	15.49	264	436556	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1442817	105.75	ng	0.00
7) Phenol-d6	6.50	99	1548372	90.71	ng	0.00
23) Nitrobenzene-d5	7.42	82	1269484	99.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	506610	125.01	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2322797	90.66	ng	0.00
79) Terphenyl-d14	12.96	244	2344425	88.61	ng	-0.01

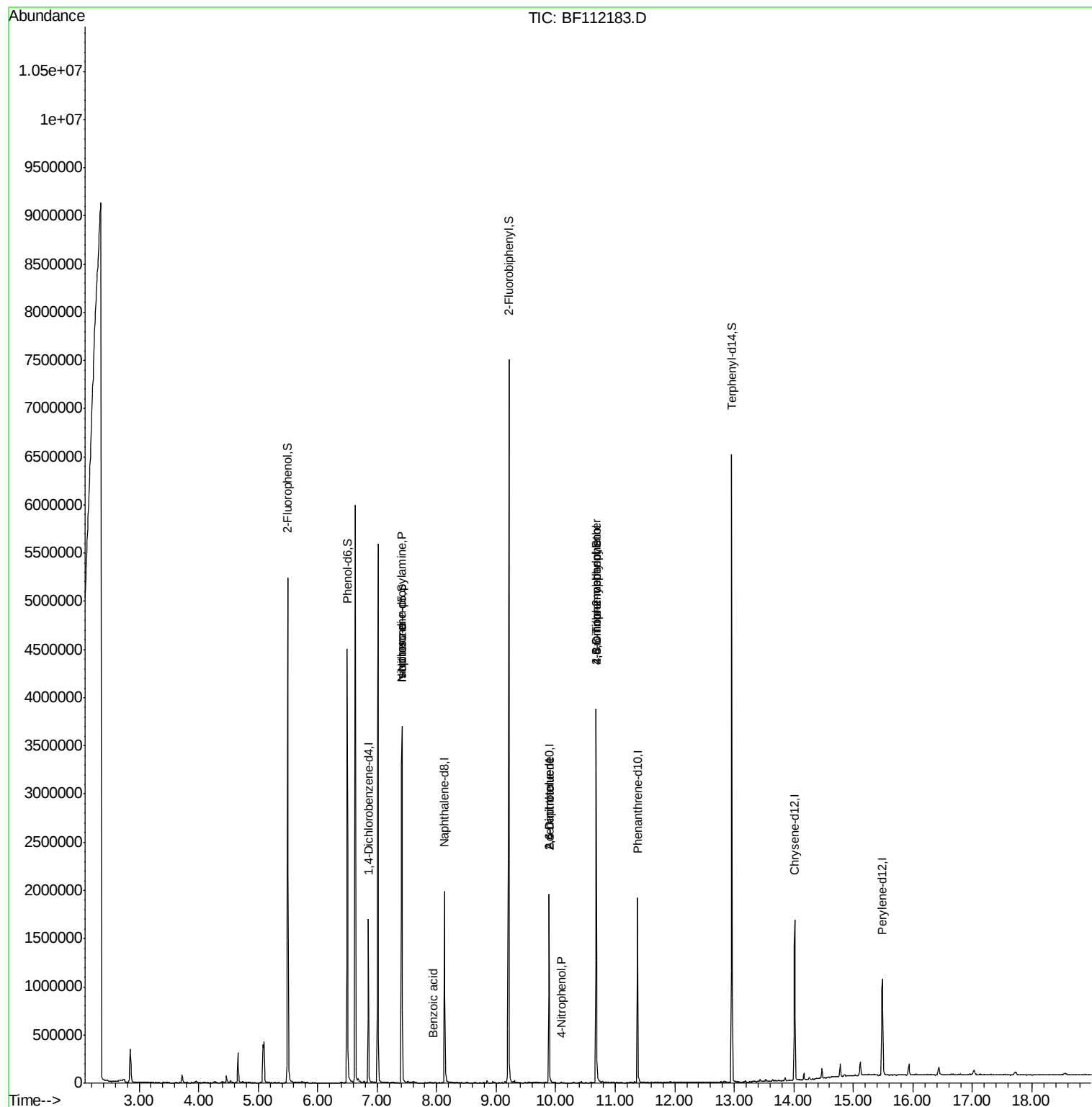
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2365	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.42	70	172940	16.630	ng	# 75
25) Isophorone	7.42	82	1262558	51.082	ng	# 64
32) Benzoic acid	7.94	122	152	7.199	ng	# 85
51) 2,6-Dinitrotoluene	9.89	165	48236	8.817	ng	# 34
56) 4-Nitrophenol	10.09	139	869	5.840	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	48236	10.794	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.68	198	1102	10.389	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	31524	4.151	ng	# 1

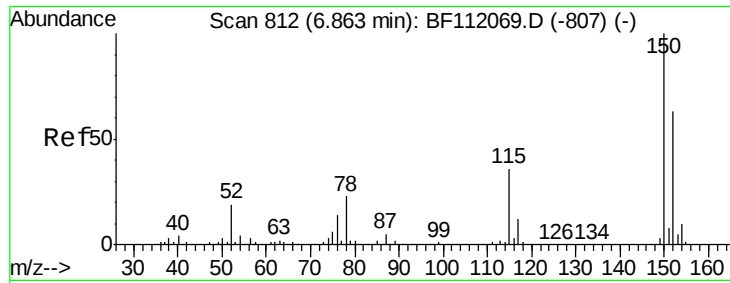
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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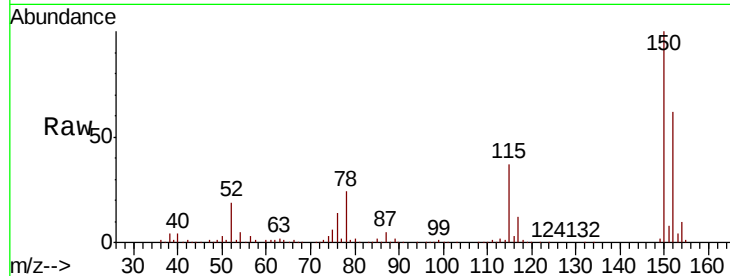


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112183.D
Acq: 22 Jan 2019 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	127.4	191.0
115	59.5	45.5	68.3

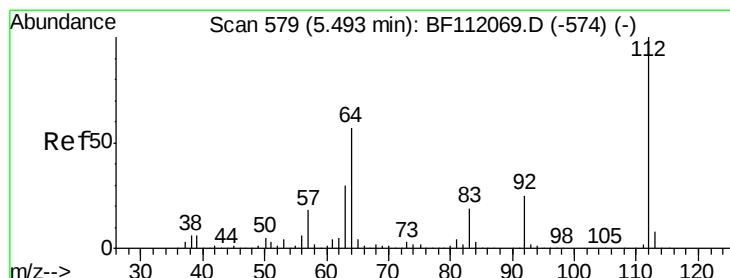
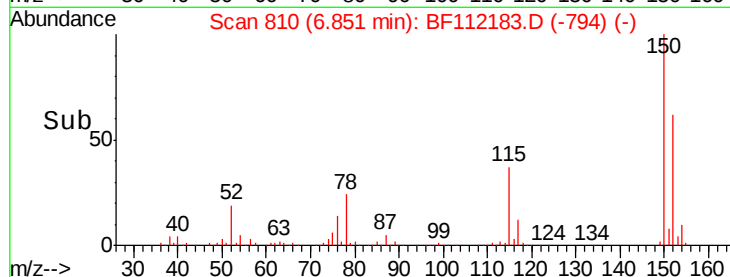
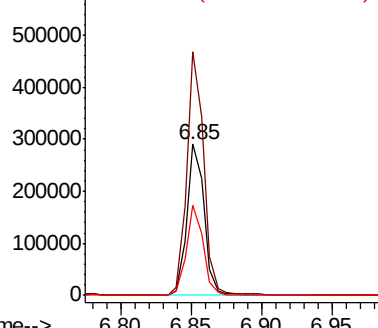


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

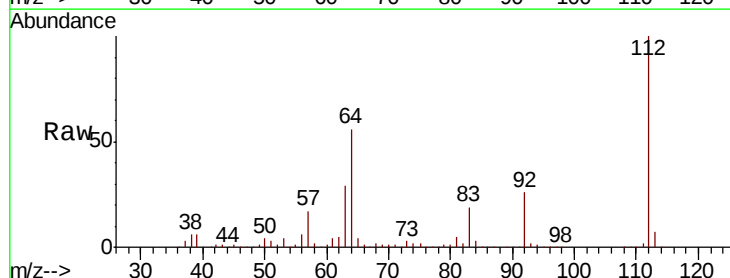
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.749 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112183.D
Acq: 22 Jan 2019 9:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	29.1	23.6	35.4

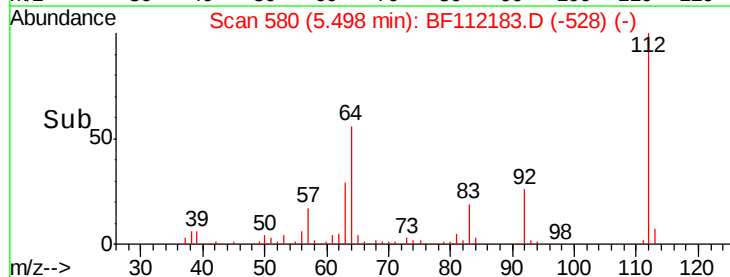
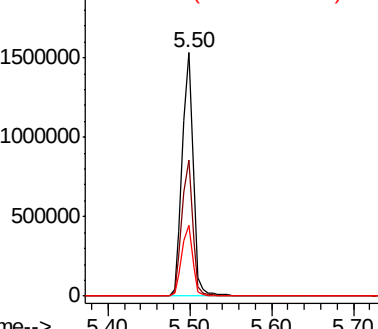


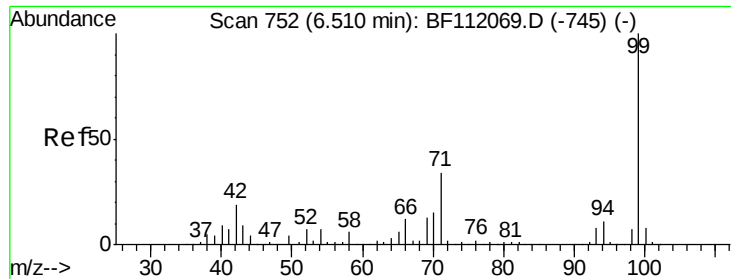
Abundance

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: 90.705 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

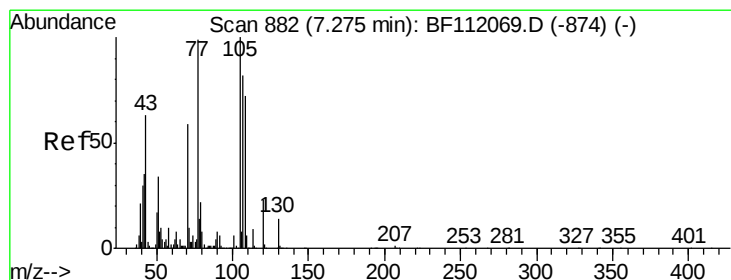
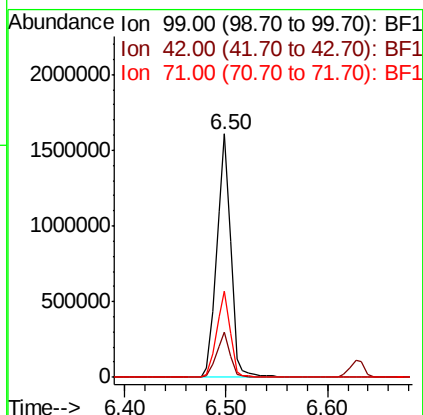
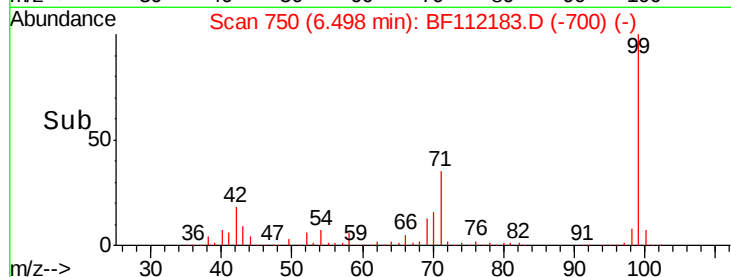
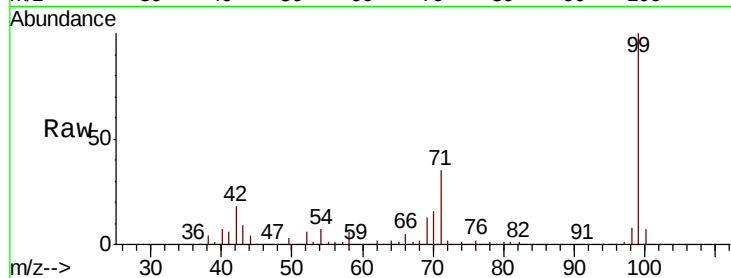
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1548372

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.1	22.7
71	35.4	26.9	40.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.630 ng

RT: 7.42 min Scan# 906

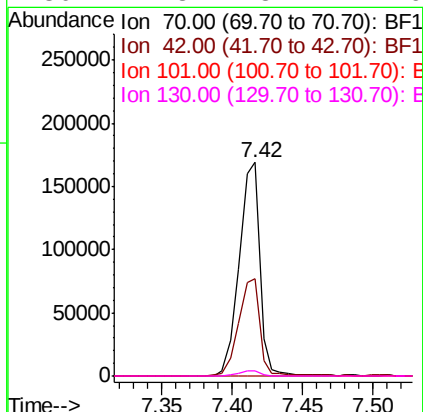
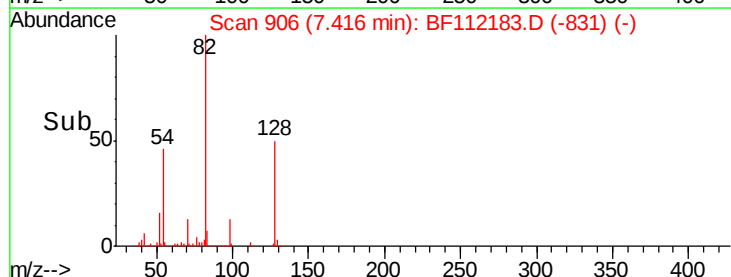
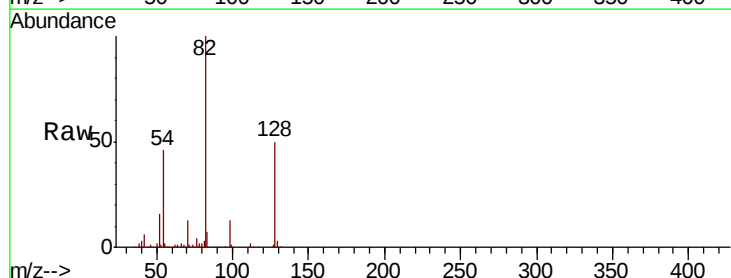
Delta R.T. 0.14 min

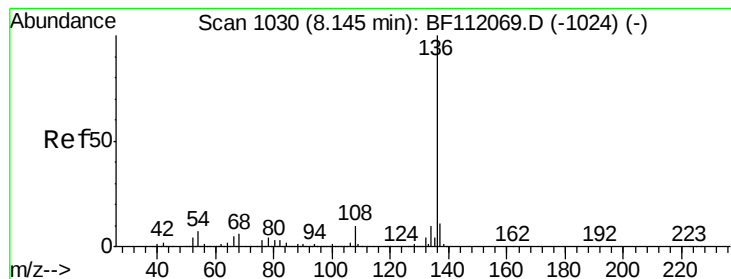
Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

Tgt Ion: 70 Resp: 172940

Ion	Ratio	Lower	Upper
70	100		
42	45.5	47.6	71.4#
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 884084

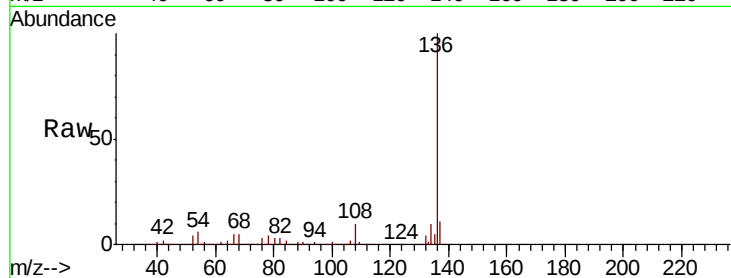
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.4 5.9 8.9

68 5.3 5.1 7.7

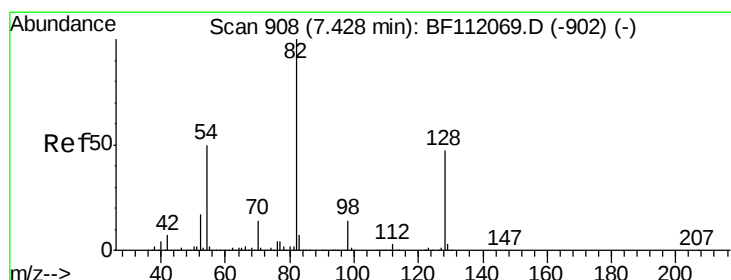
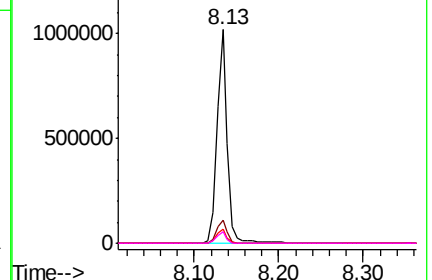
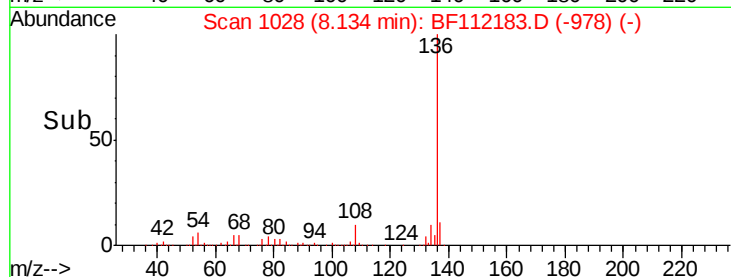


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.207 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

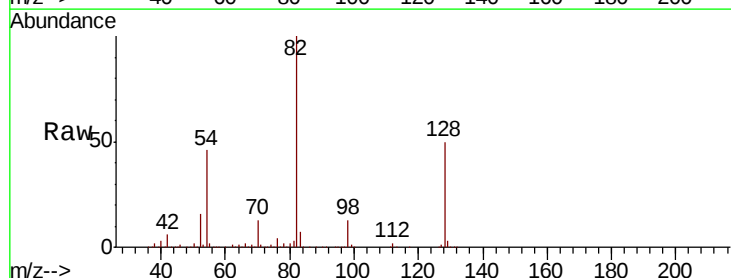
Tgt Ion: 82 Resp: 1269484

Ion Ratio Lower Upper

82 100

128 49.5 37.8 56.8

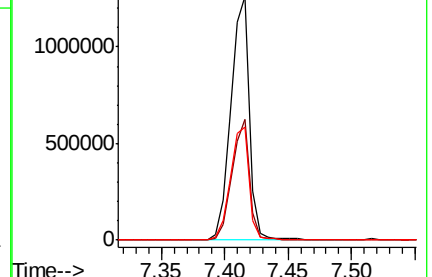
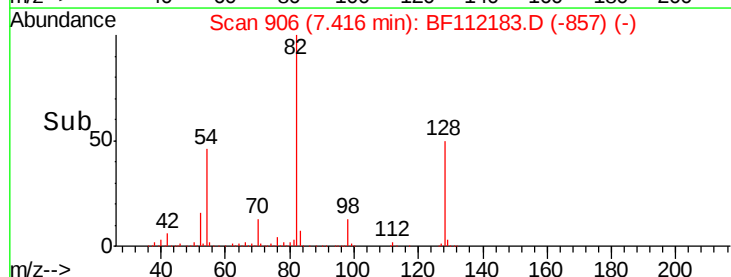
54 46.4 39.7 59.5

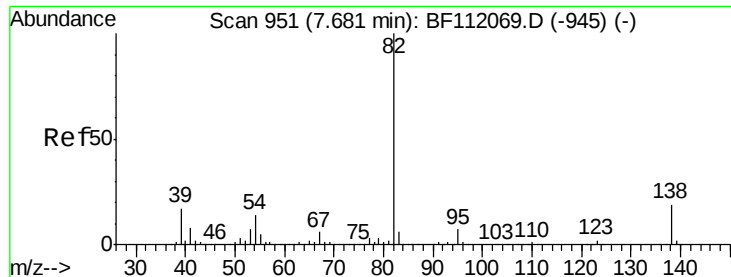


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.082 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

Instrument :

BNA_F

ClientSampleId :

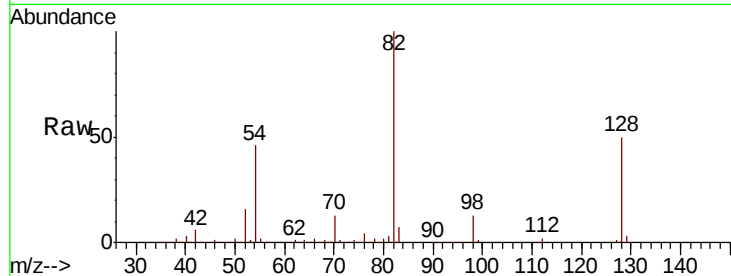
Tot Ion: 82 Resp: 1262558

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

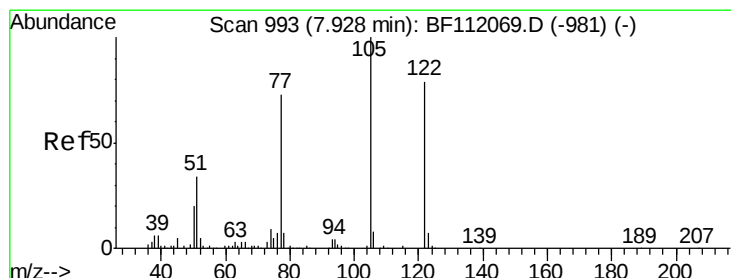
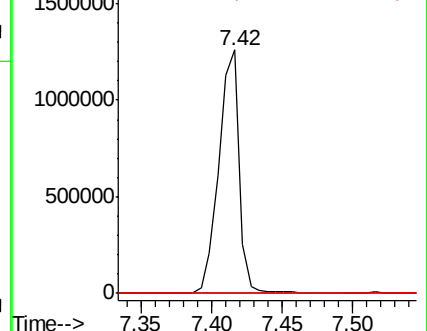
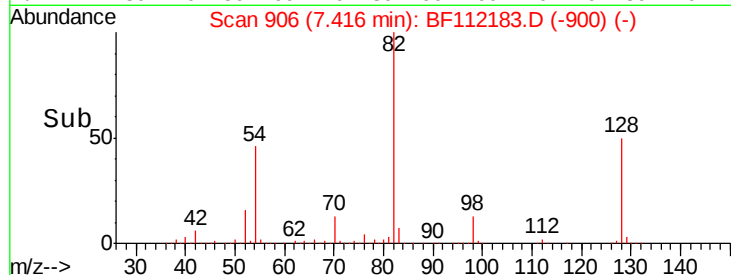
138 0.0 15.4 23.0#



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: 7.199 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

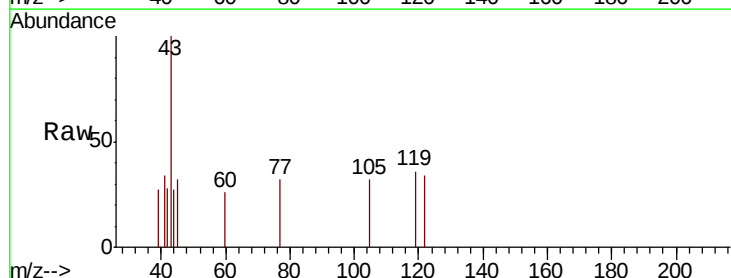
Tgt Ion: 122 Resp: 152

Ion Ratio Lower Upper

122 100

105 93.3 101.2 141.2#

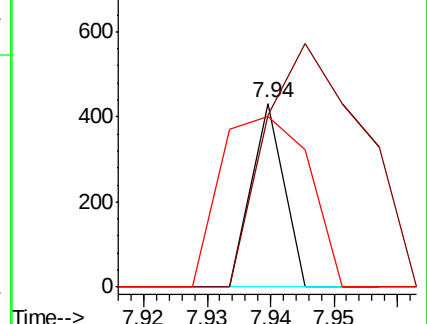
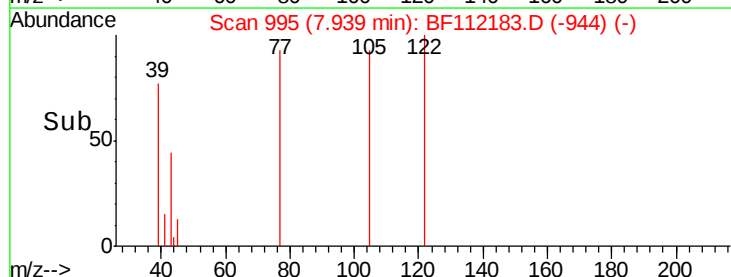
77 92.8 70.4 110.4

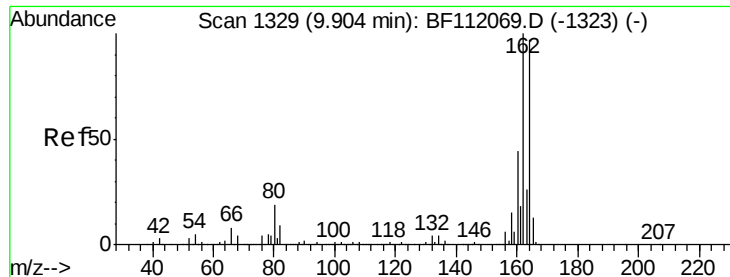


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

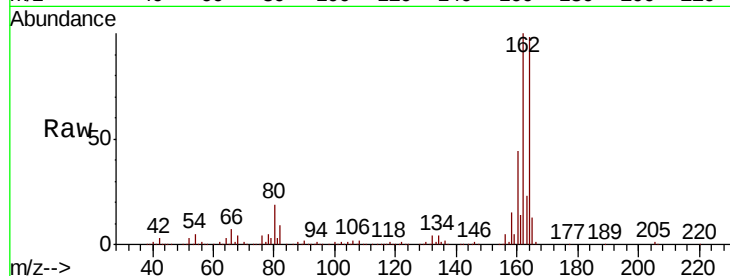




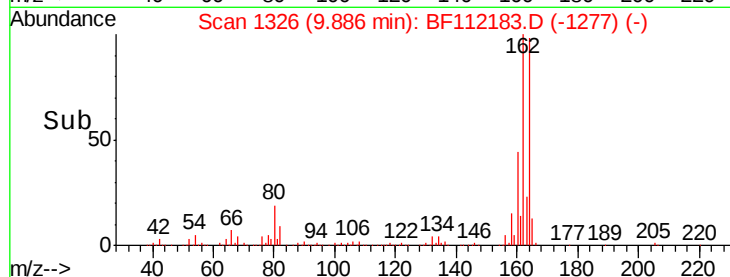
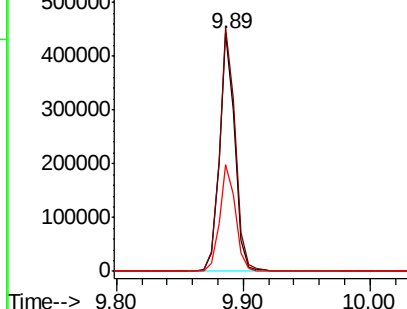
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 375646
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.2 123.4
 160 44.9 36.2 54.4

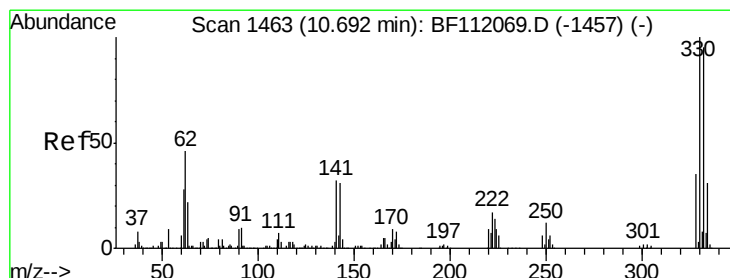


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

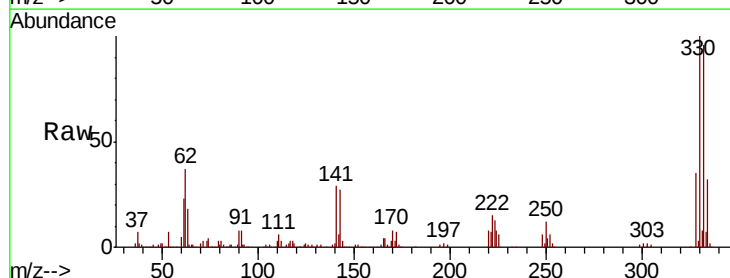
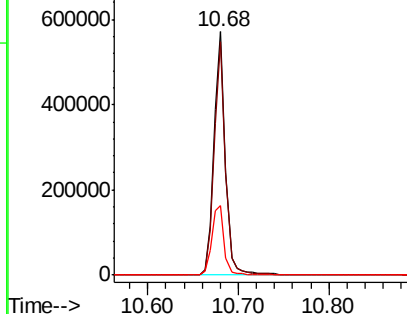


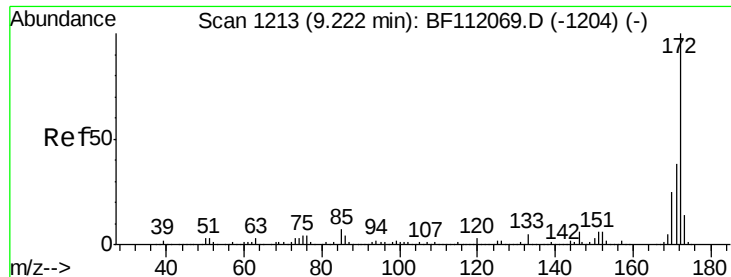
#42
 2,4,6-Tribromophenol
 Concen: 125.015 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Tgt Ion:330 Resp: 506610
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 30.7 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



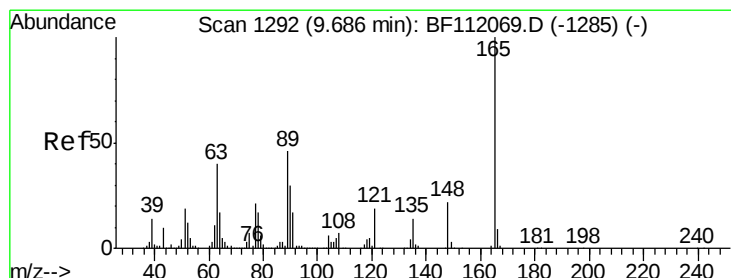
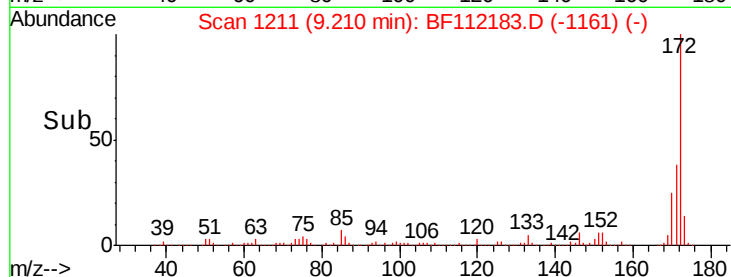
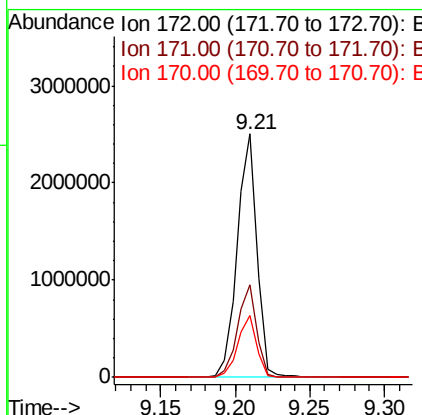
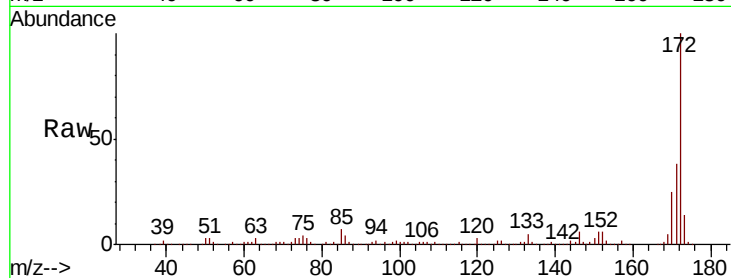


#45
 2-Fluorobiphenyl
 Concen: 90.657 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2322797

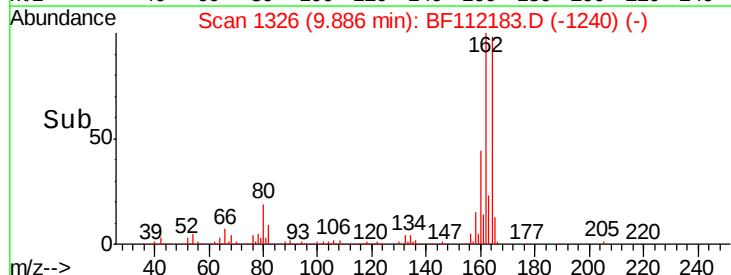
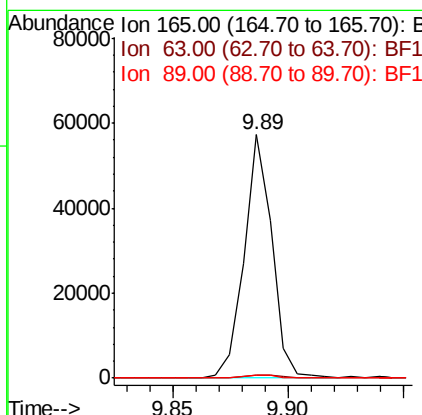
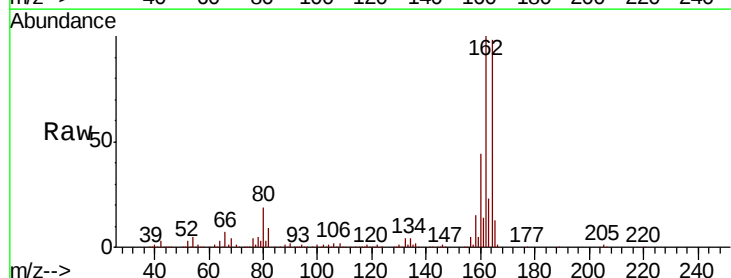
Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.5	45.7
170	25.3	20.2	30.4

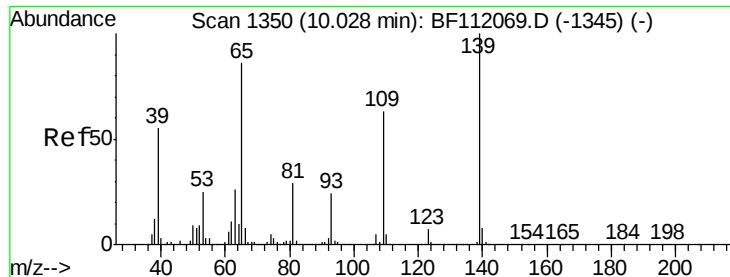


#51
 2,6-Dinitrotoluene
 Concen: 8.817 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Tgt Ion:165 Resp: 48236

Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.3	36.9	55.3#

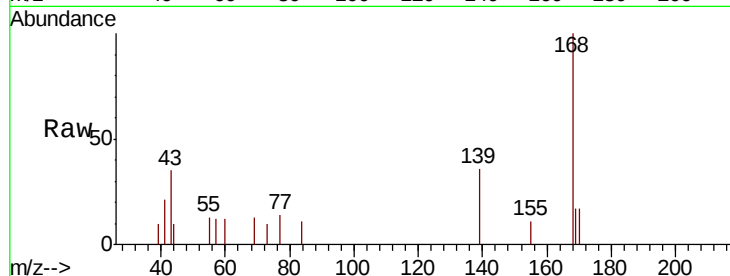




#56
4-Nitrophenol
Concen: 5.840 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.06 min
Lab File: BF112183.D
Acq: 22 Jan 2019 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	42.8	82.8#
65	0.0	66.1	106.1#

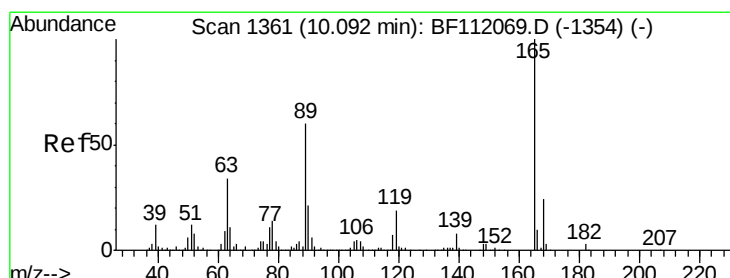
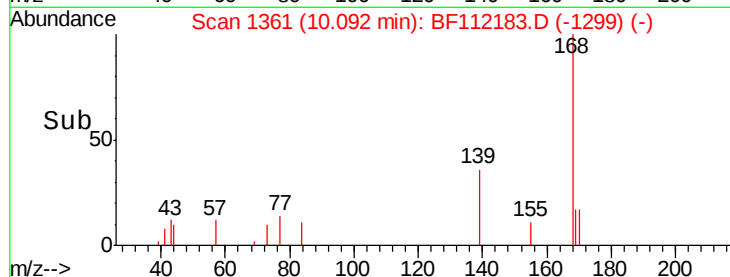
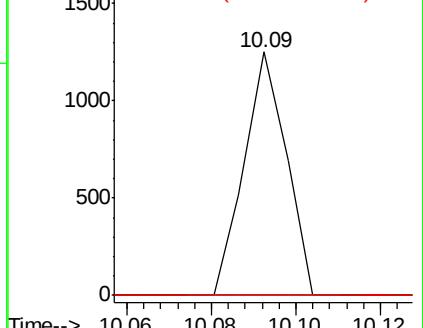


Abundance

Ion 139.00 (138.70 to 139.70): E

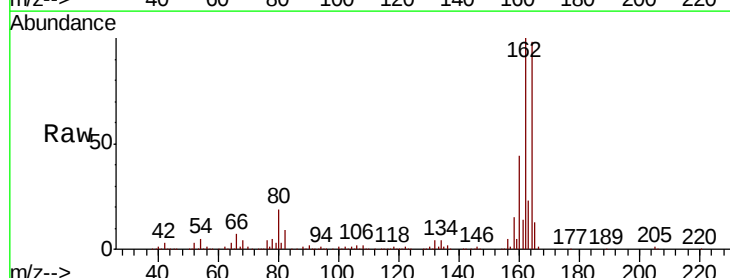
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 10.794 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF112183.D
Acq: 22 Jan 2019 9:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.3	47.9	71.9#
182	0.0	2.2	3.4#



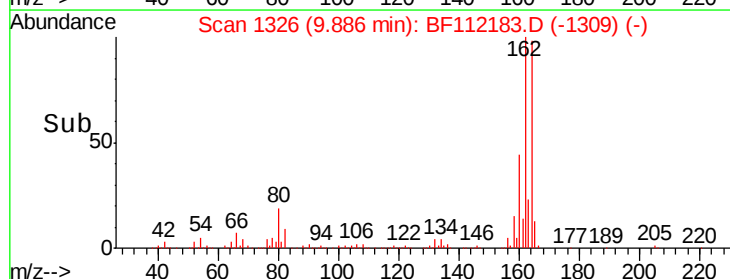
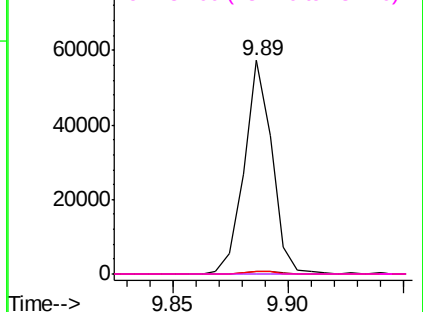
Abundance

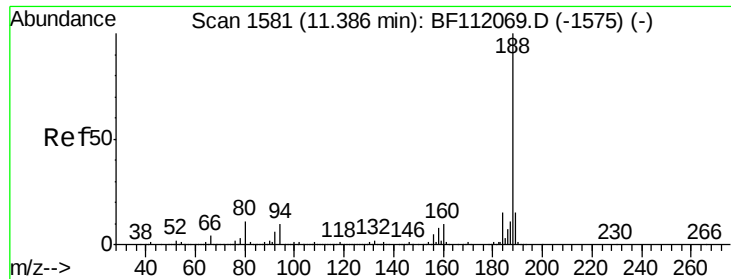
Ion 165.00 (164.70 to 165.70): E

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: BF112183.D

Acq: 22 Jan 2019 9:28

Instrument :

BNA_F

ClientSampleId :

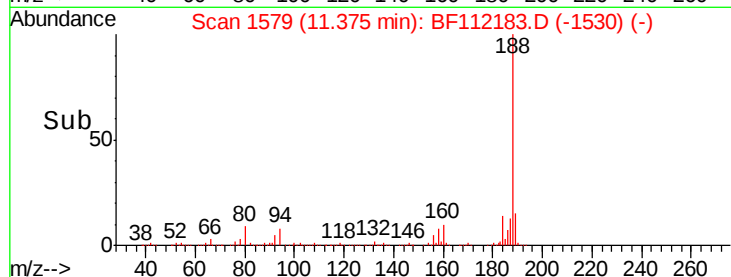
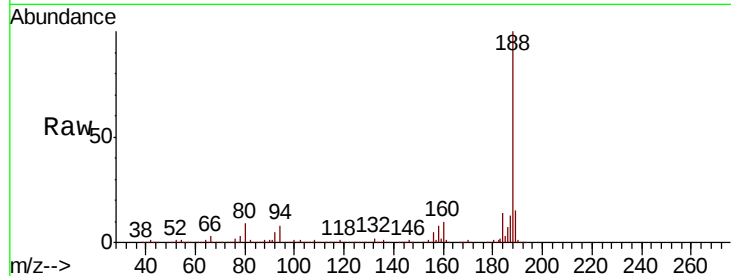
Tot Ion:188 Resp: 653804

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

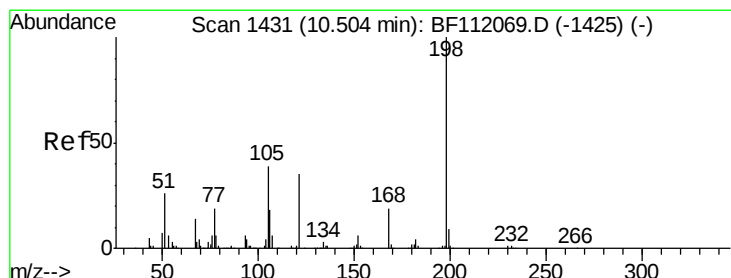
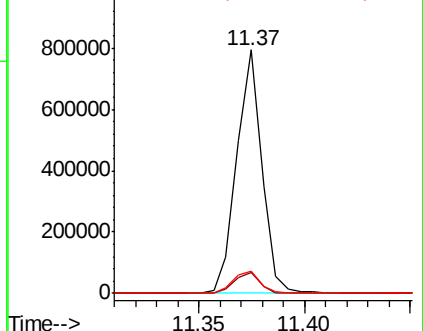
80 9.2 8.9 13.3



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: 10.389 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

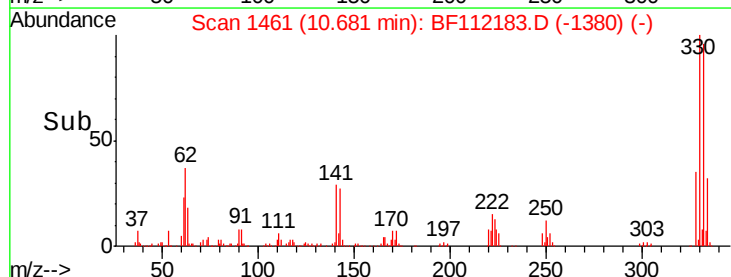
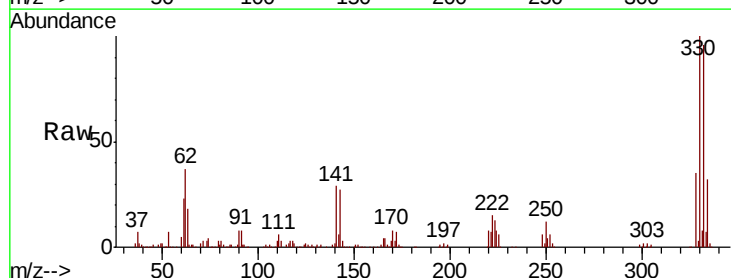
Tgt Ion:198 Resp: 1102

Ion Ratio Lower Upper

198 100

51 137.7 17.2 57.2#

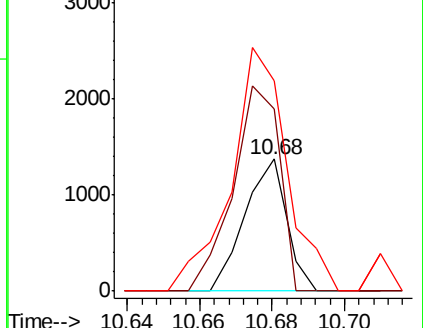
105 159.4 21.9 61.9#

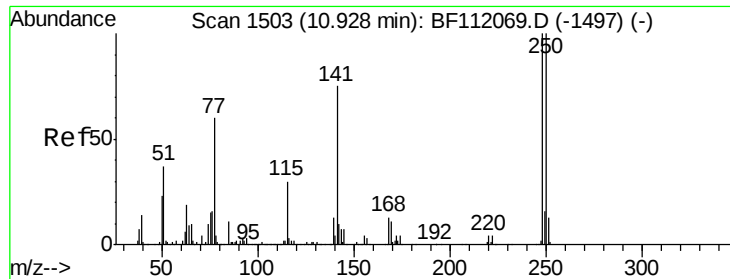


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

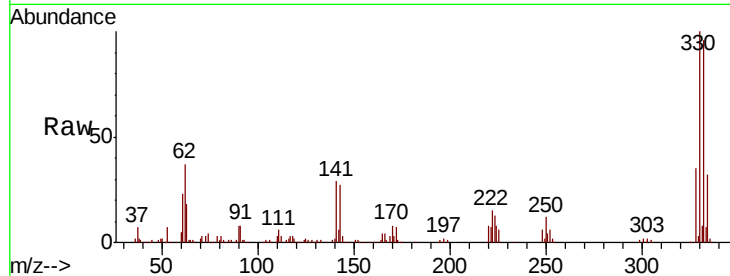




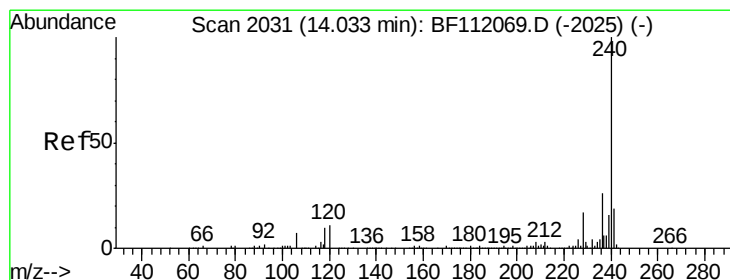
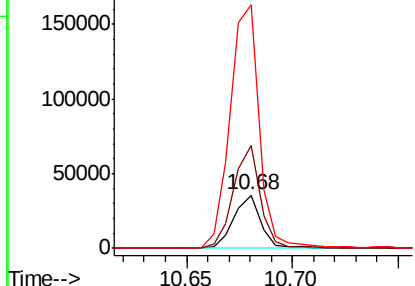
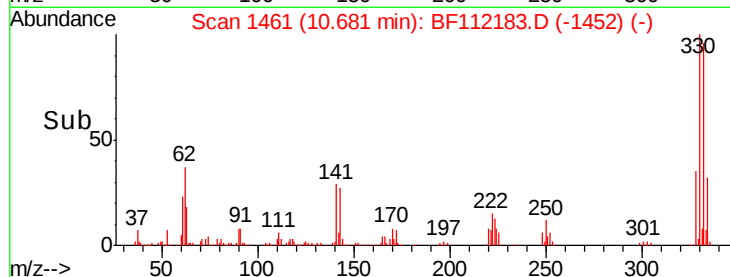
#67
 4-Bromophenyl-phenylether
 Concen: 4.151 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 31524
 Ion Ratio Lower Upper
 248 100
 250 192.4 79.7 119.5#
 141 455.7 60.3 90.5#

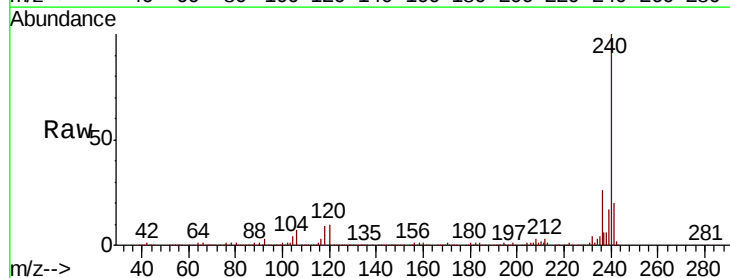


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

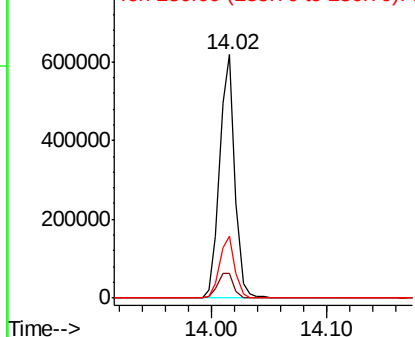
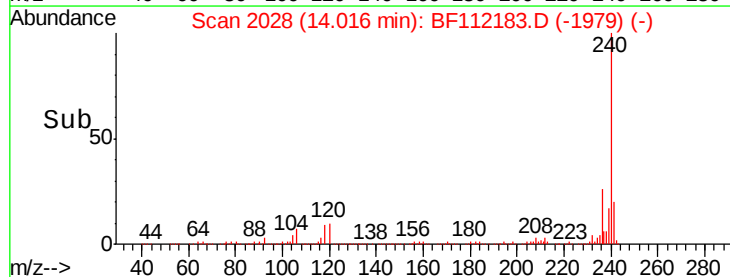


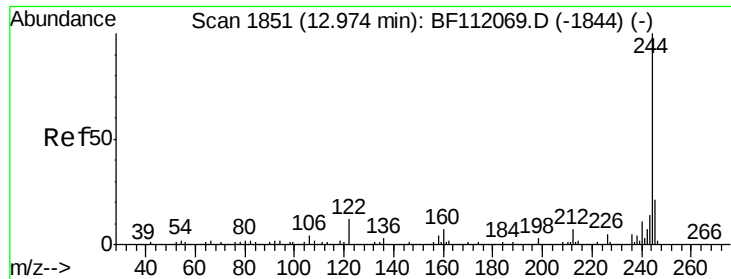
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF112183.D
 Acq: 22 Jan 2019 9:28

Tgt Ion:240 Resp: 562873
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.0 13.6
 236 25.5 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: 88.607 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

Instrument :

BNA_F

ClientSampleId :

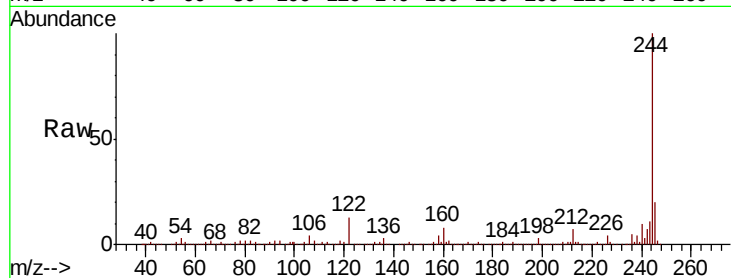
Tot Ion:244 Resp: 2344425

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

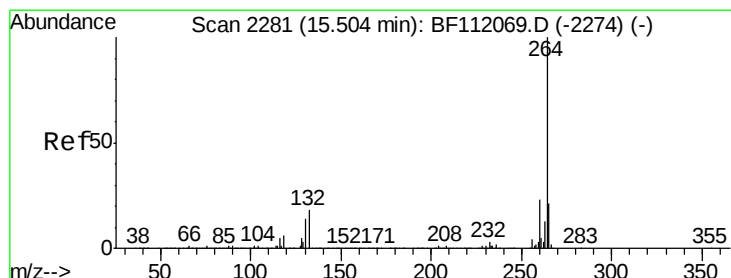
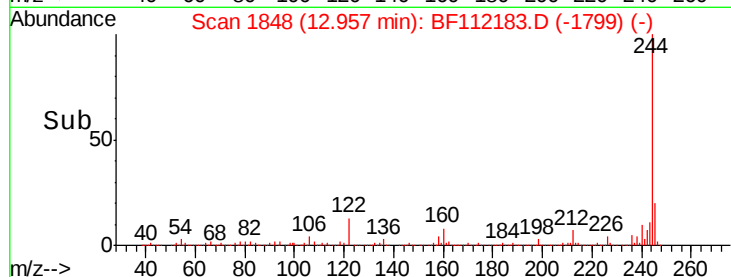
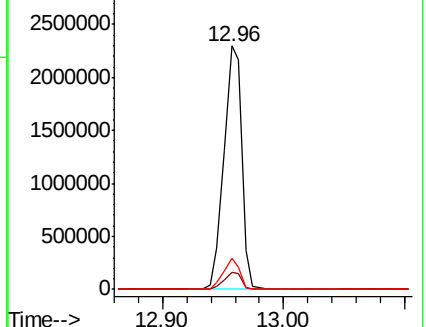
122 12.7 9.8 14.6



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# 2278

Delta R.T. -0.01 min

Lab File: BF112183.D

Acq: 22 Jan 2019 9:28

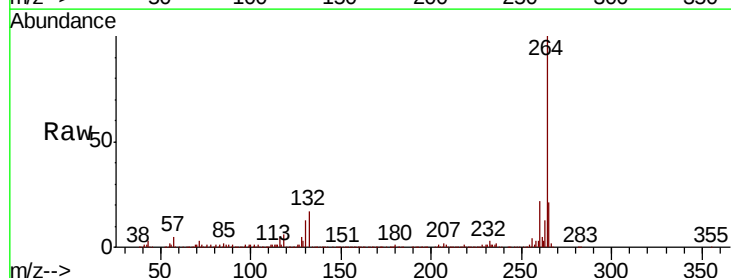
Tgt Ion:264 Resp: 436556

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.2

265 21.2 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

