

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112185.D
 Acq On : 22 Jan 2019 10:23
 Operator : JU/SJ
 Sample : K1013-04RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 12:27:21 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	233655	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	795828	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	319532	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	559908	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	519658	20.00	ng	-0.01
87) Perylene-d12	15.49	264	379708	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1462772	113.63	ng	0.00
7) Phenol-d6	6.50	99	1565897	97.22	ng	0.00
23) Nitrobenzene-d5	7.42	82	1210897	105.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	467467	135.61	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2198115	100.86	ng	0.00
79) Terphenyl-d14	12.96	244	2192163	89.74	ng	-0.01

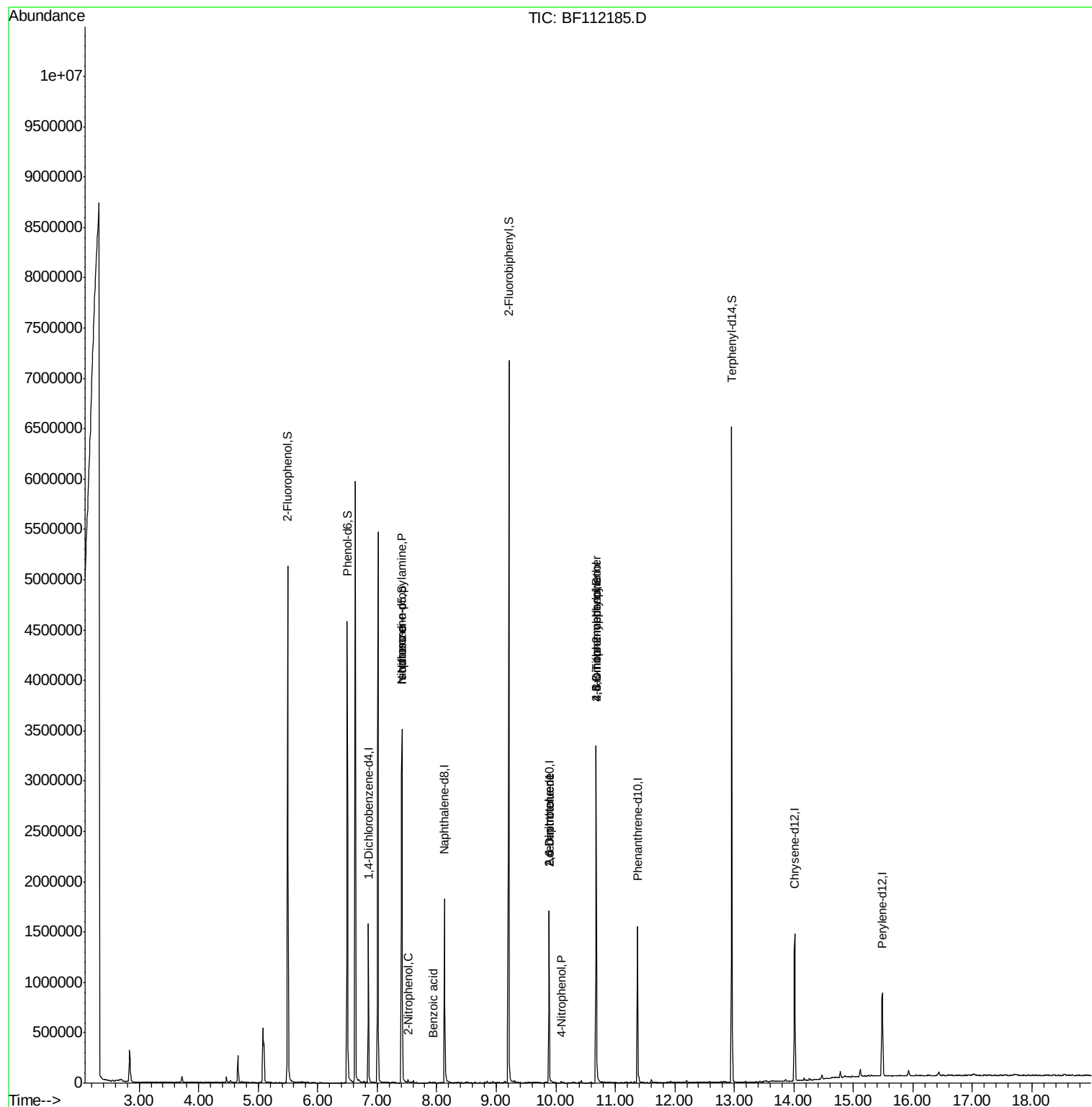
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2651	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	166112	16.929	ng	# 73
25) Isophorone	7.42	82	1207274	54.262	ng	# 64
26) 2-Nitrophenol	7.52	139	112	5.696	ng	# 39
32) Benzoic acid	7.93	122	599	7.307	ng	# 45
51) 2,6-Dinitrotoluene	9.89	165	42837	9.205	ng	# 33
56) 4-Nitrophenol	10.09	139	1915	6.133	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	42837	11.068	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.67	198	998	10.407	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	27390	4.212	ng	# 1

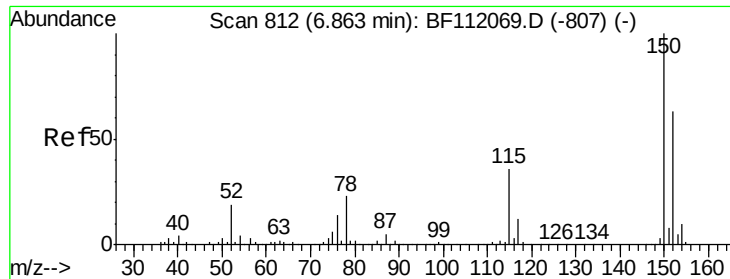
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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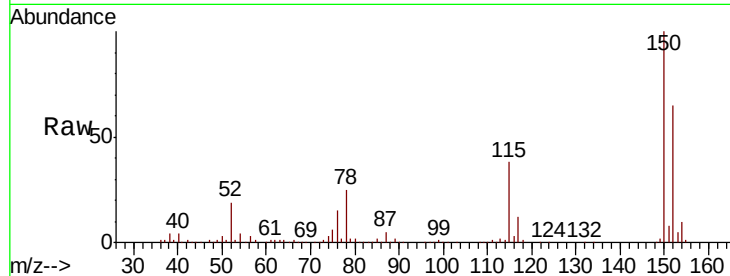




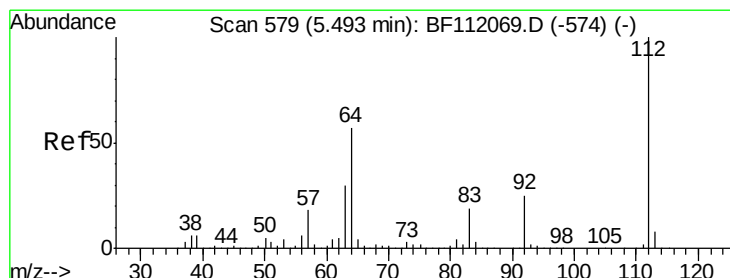
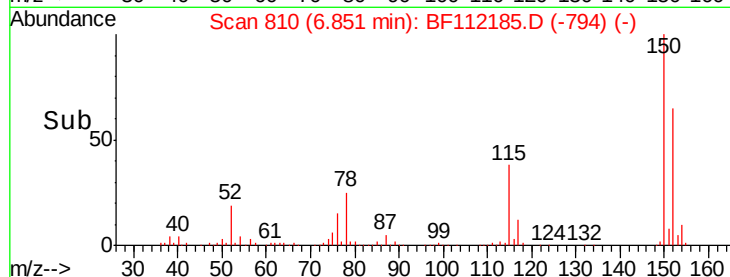
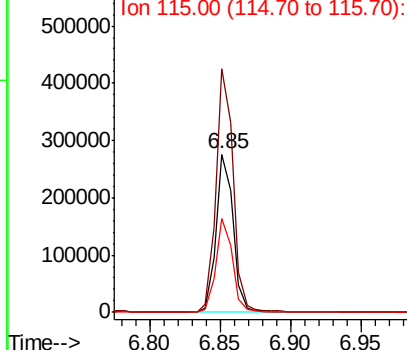
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 233655
 Ion Ratio Lower Upper
 152 100
 150 154.3 127.4 191.0
 115 59.2 45.5 68.3

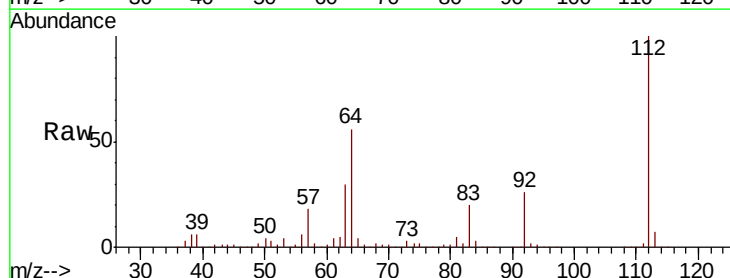


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

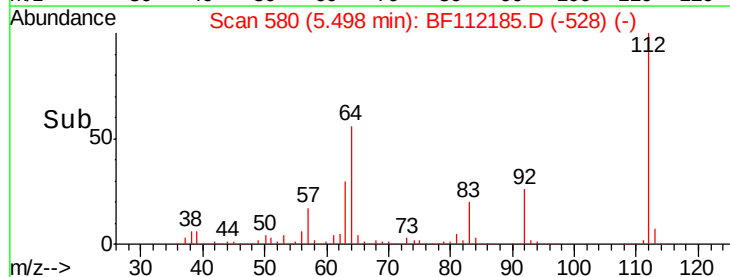
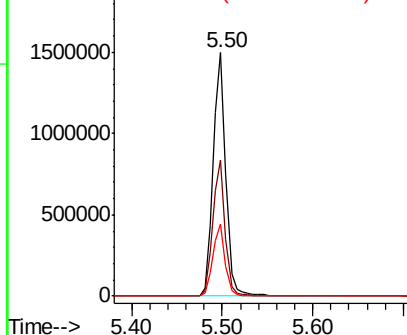


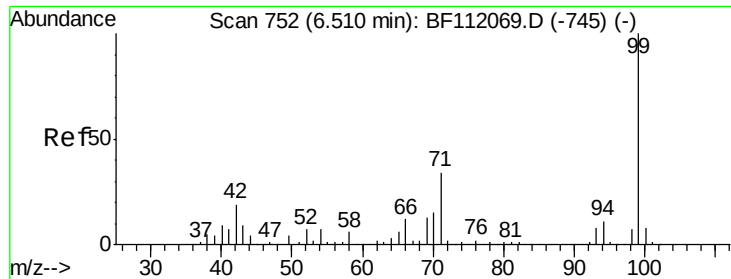
#5
 2-Fluorophenol
 Concen: 113.628 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Tgt Ion:112 Resp: 1462772
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.7 68.5
 63 29.5 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: 97.222 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

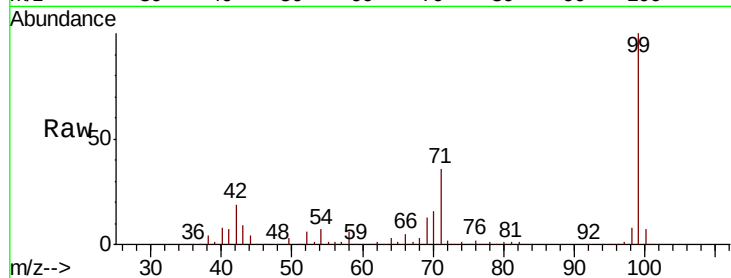
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1565897

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	36.1	26.9	40.3

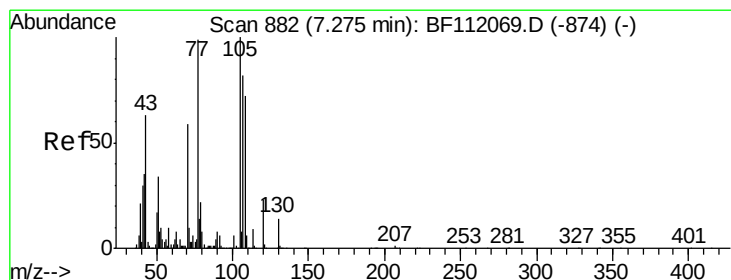
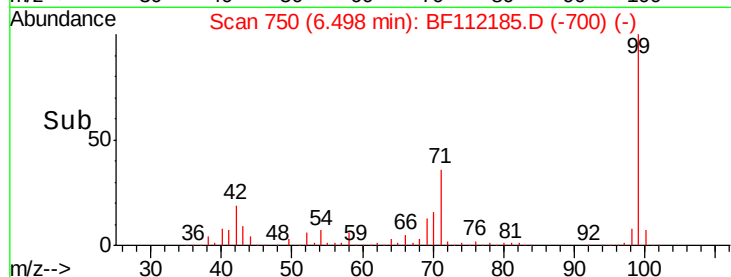
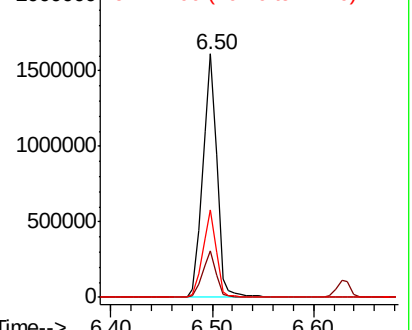


Abundance

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: 16.929 ng

RT: 7.42 min Scan# 906

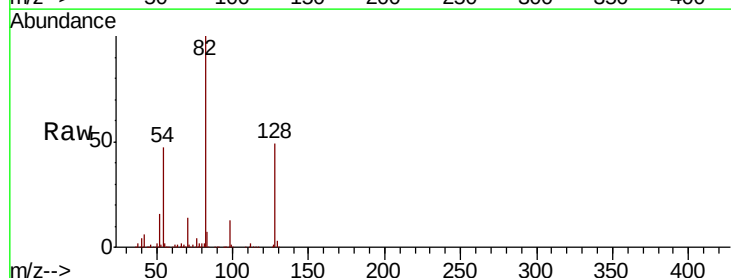
Delta R.T. 0.14 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

Tgt Ion: 70 Resp: 166112

Ion	Ratio	Lower	Upper
70	100		
42	43.9	47.6	71.4#
101	0.0	7.9	11.9#
130	2.4	18.4	27.6#



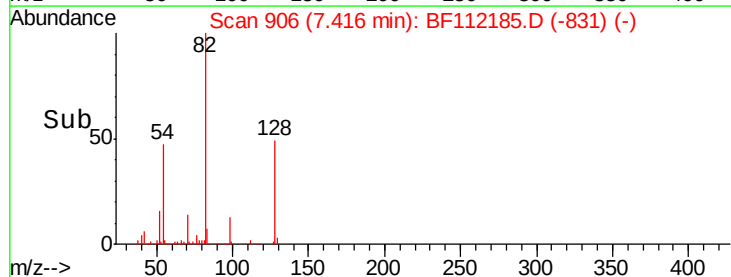
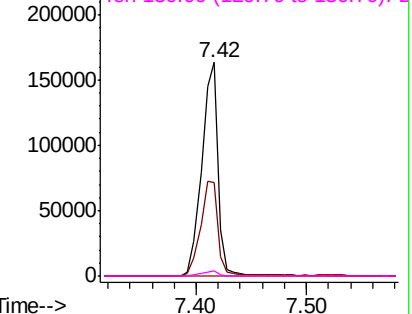
Abundance

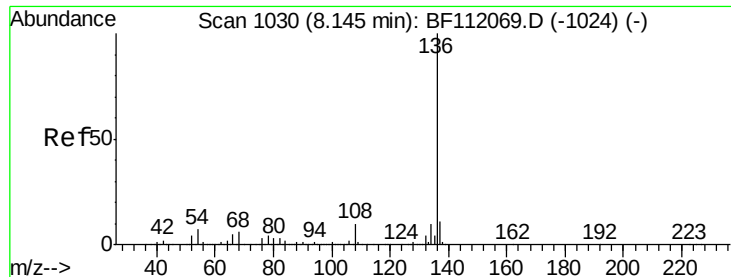
Ion 70.00 (69.70 to 70.70): BF1

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

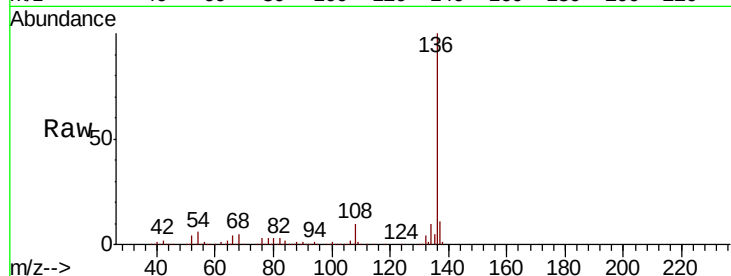




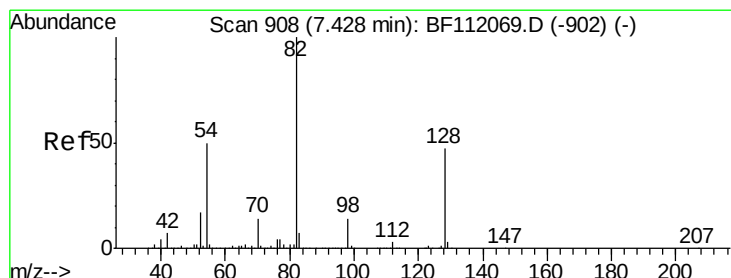
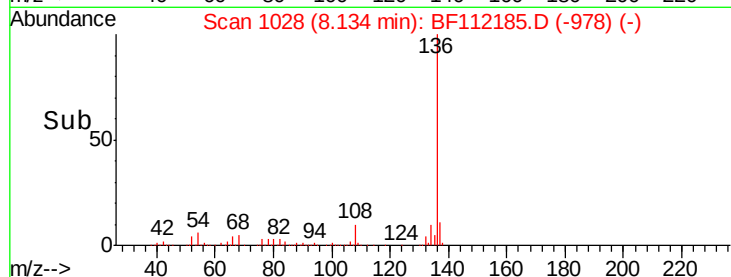
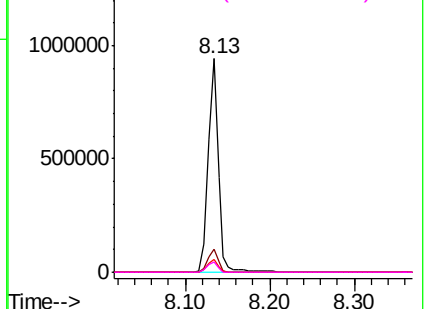
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112185.D
Acq: 22 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	795828
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	6.3	5.9 8.9
68	5.1	5.1 7.7#

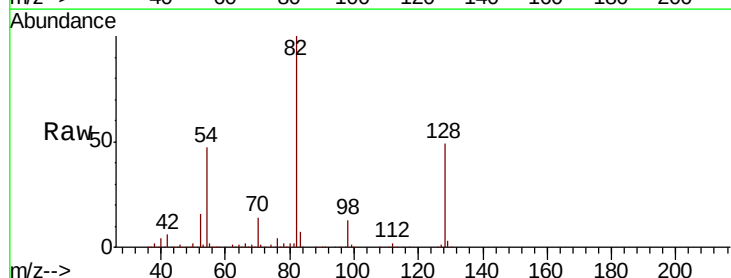


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

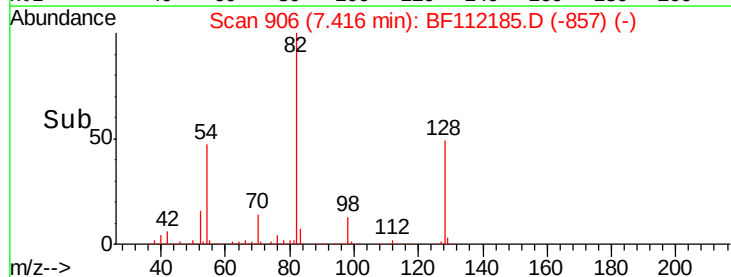
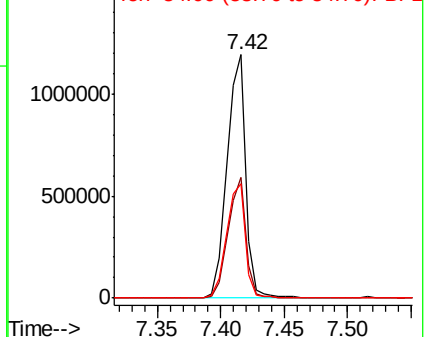


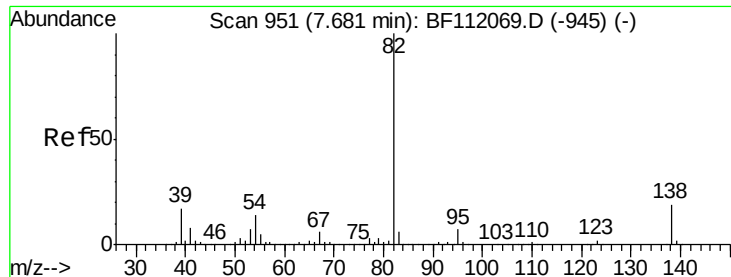
#23
Nitrobenzene-d5
Concen: 105.123 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112185.D
Acq: 22 Jan 2019 10:23

Tgt Ion: 82	Resp:	1210897
Ion Ratio	Lower	Upper
82	100	
128	49.5	37.8 56.8
54	47.1	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: 54.262 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

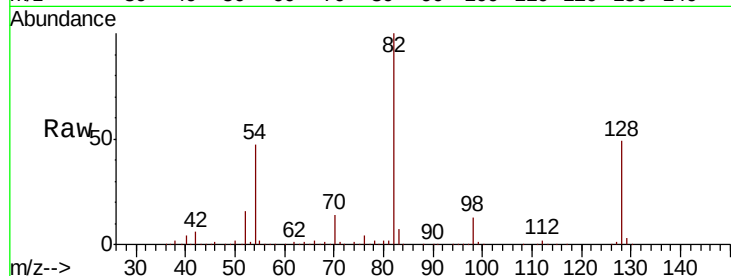
Tot Ion: 82 Resp: 1207274

Ion Ratio Lower Upper

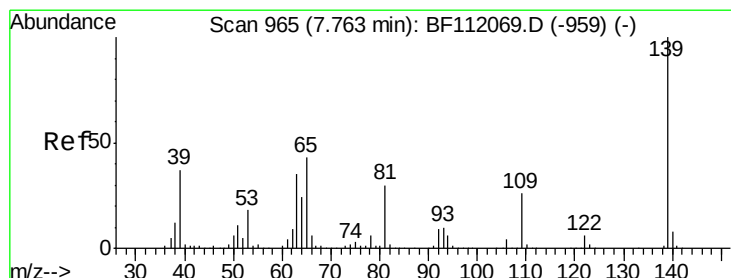
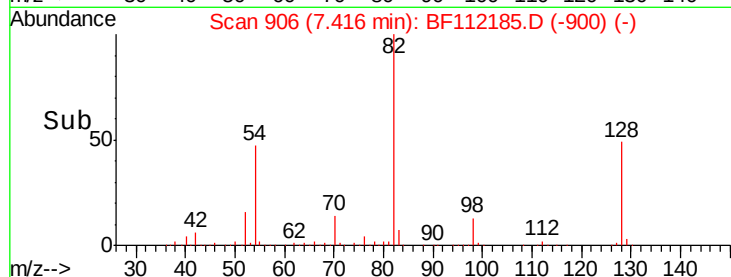
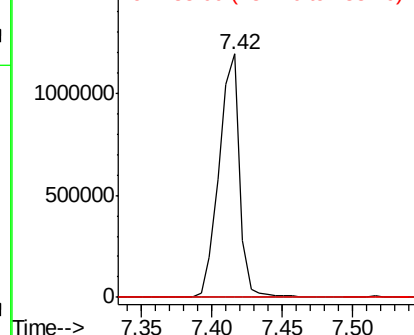
82 100

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



#26

2-Nitrophenol

Concen: 5.696 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.24 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

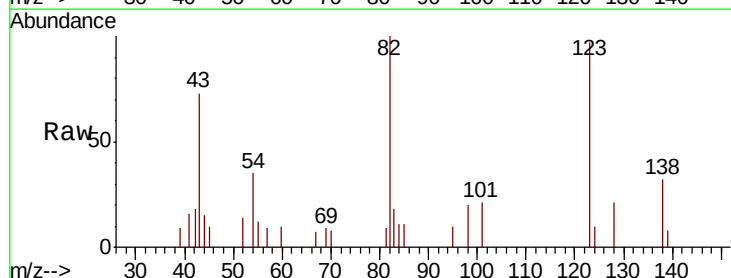
Tgt Ion: 139 Resp: 112

Ion Ratio Lower Upper

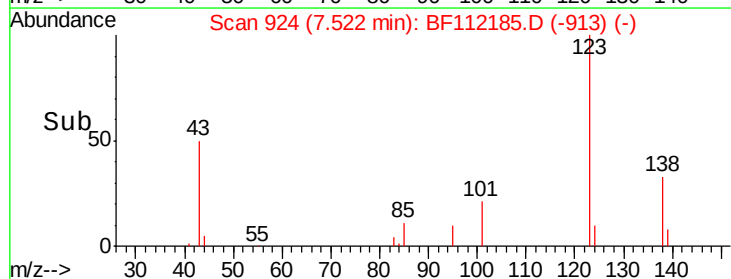
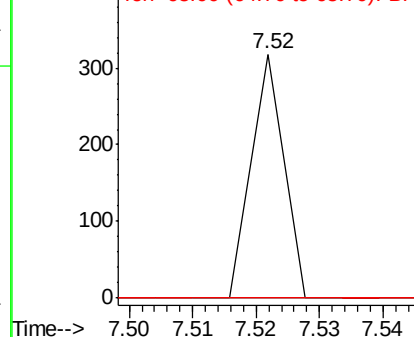
139 100

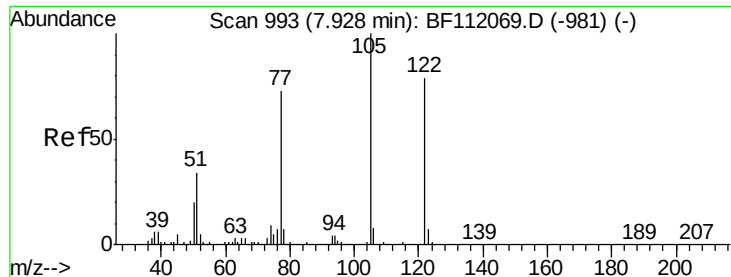
109 0.0 20.8 31.2#

65 0.0 34.4 51.6#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

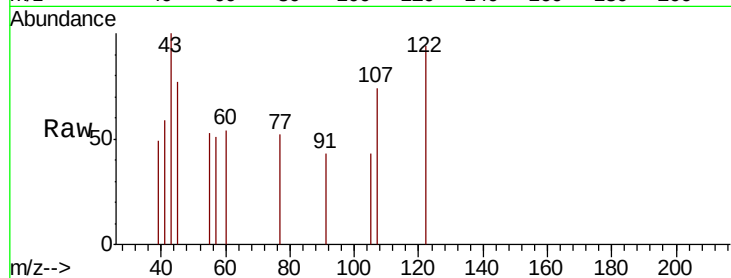




#32
Benzoic acid
Concen: 7.307 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF112185.D
Acq: 22 Jan 2019 10:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	45.7	101.2	141.2#
77	54.9	70.4	110.4#

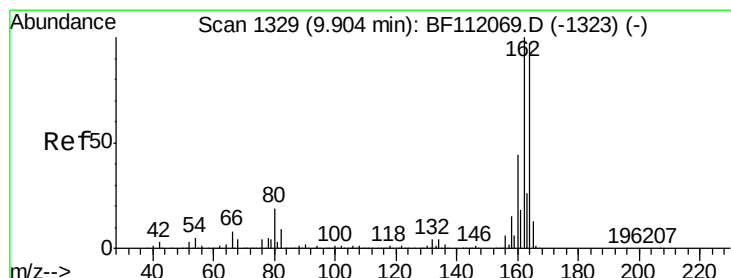
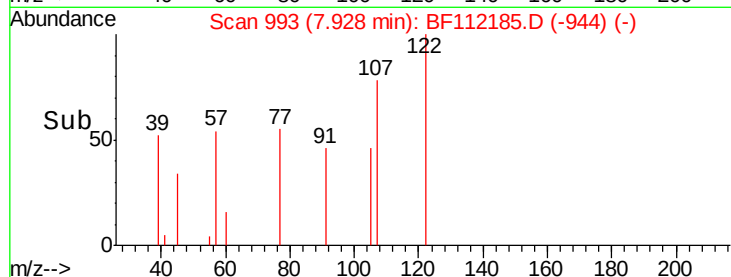
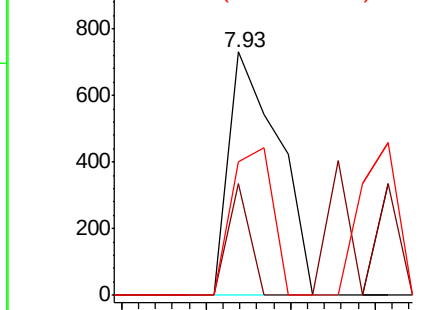


Abundance

Ion 122.00 (121.70 to 122.70): E

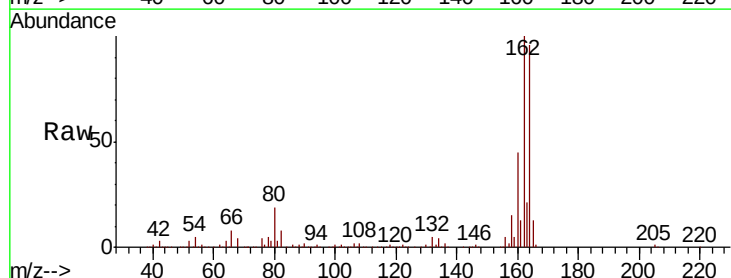
Ion 105.00 (104.70 to 105.70): E

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: BF112185.D
Acq: 22 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.4
160	46.6	36.2	54.4

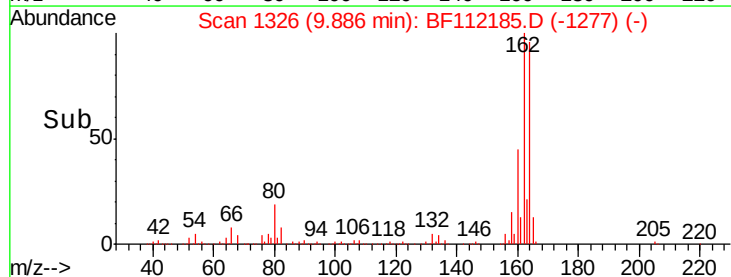
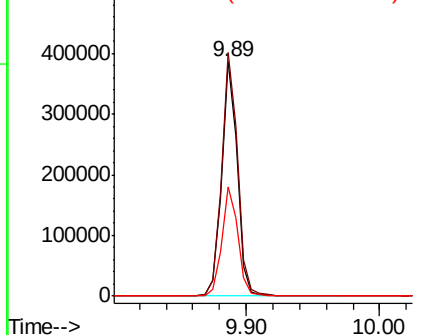


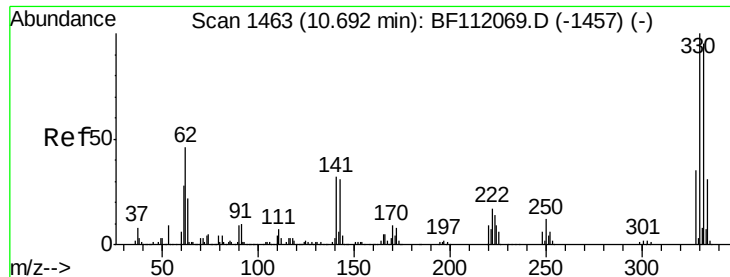
Abundance

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

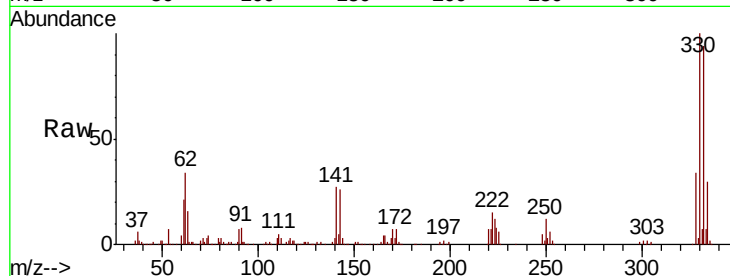




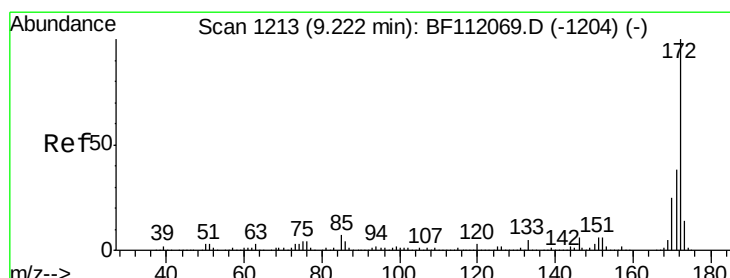
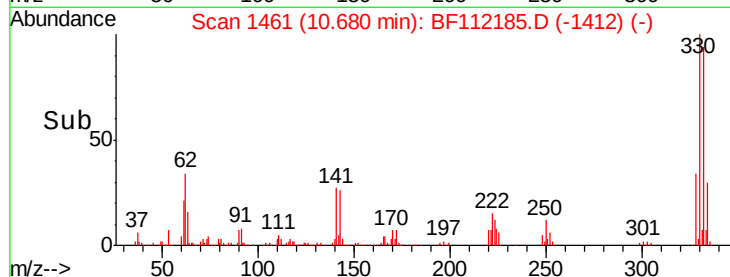
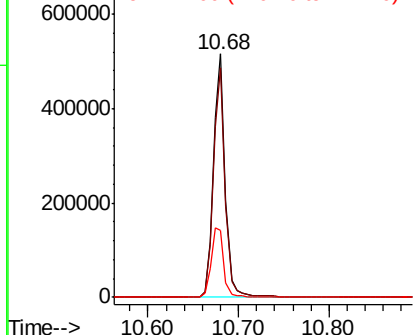
#42
 2,4,6-Tribromophenol
 Concen: 135.614 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.6	114.8
141	31.3	24.3	36.5

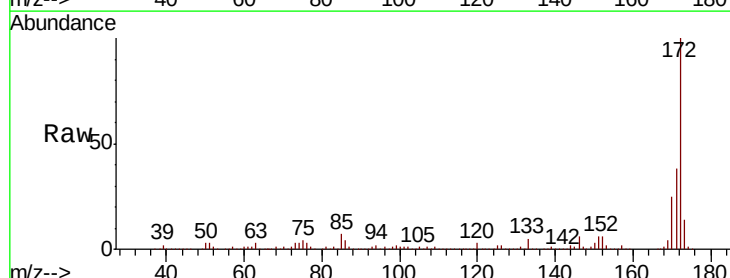


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

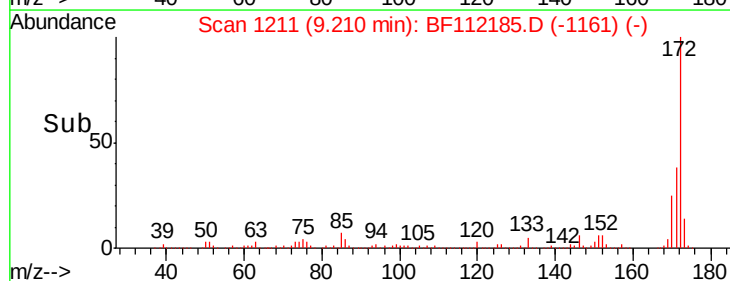
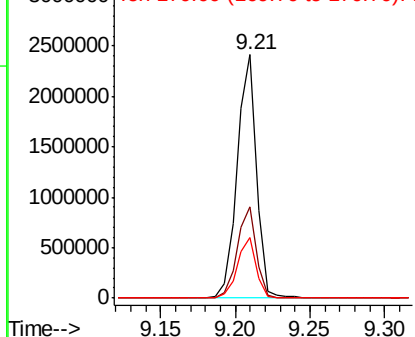


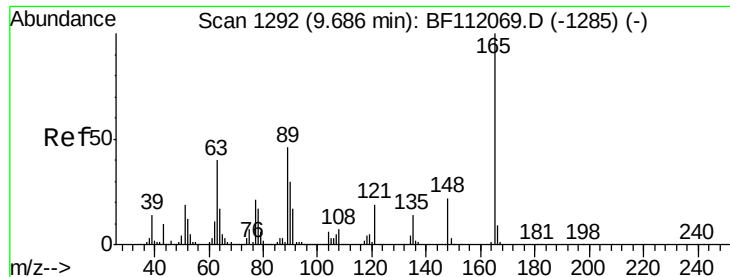
#45
 2-Fluorobiphenyl
 Concen: 100.856 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Tgt 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

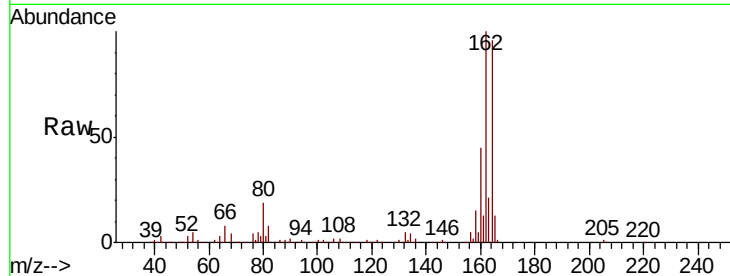




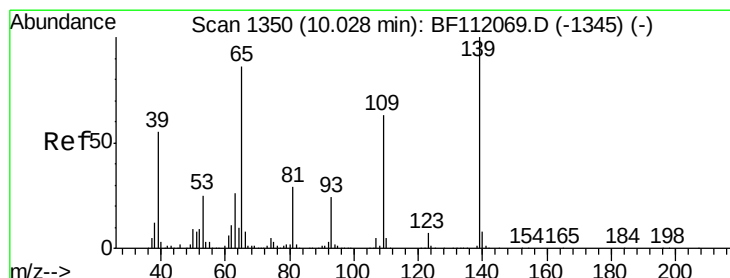
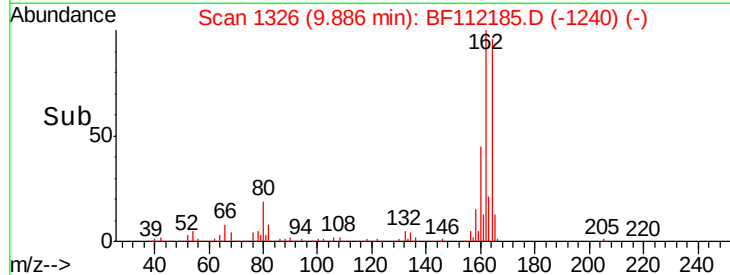
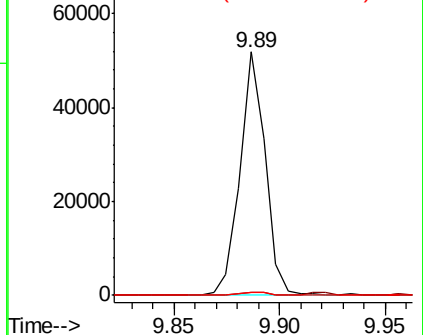
#51
 2,6-Dinitrotoluene
 Concen: 9.205 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :

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

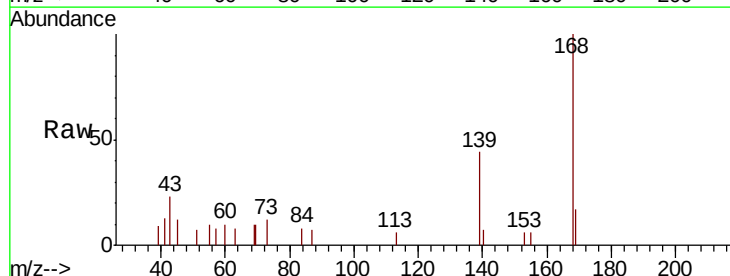


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

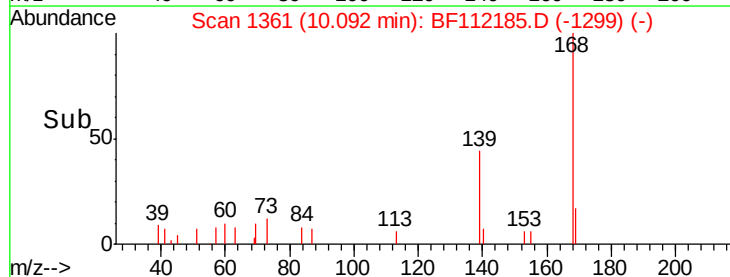
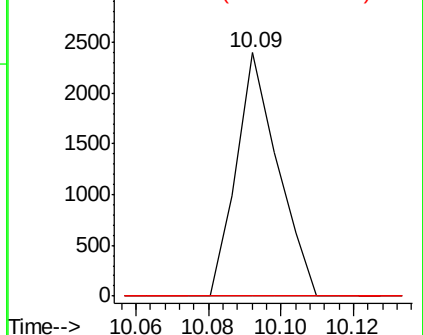


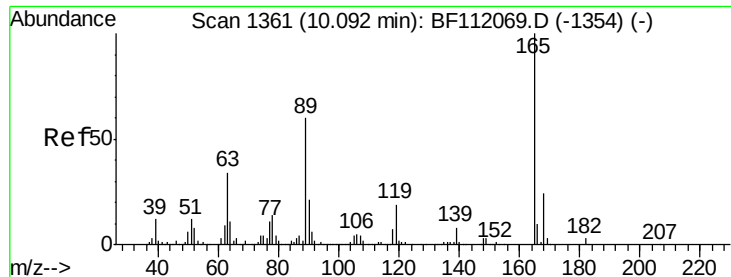
#56
 4-Nitrophenol
 Concen: 6.133 ng
 RT: 10.09 min Scan# 1361
 Delta R.T. 0.06 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Tgt 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

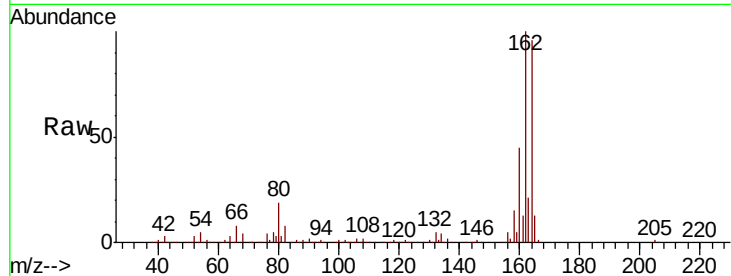




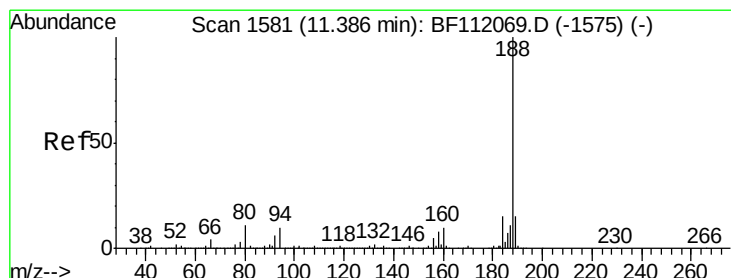
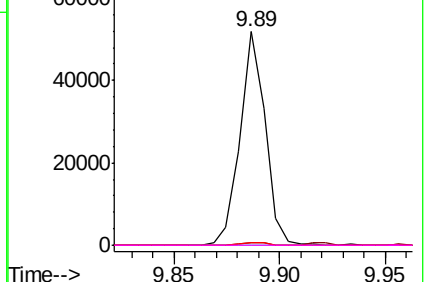
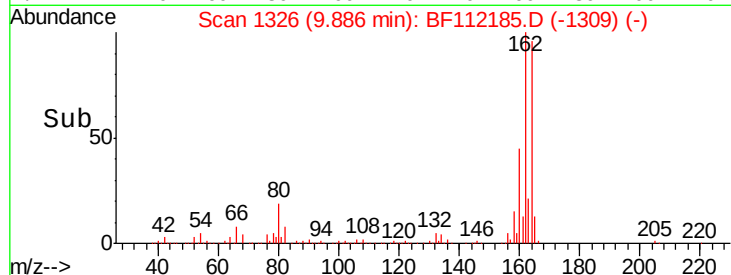
#57
 2,4-Dinitrotoluene
 Concen: 11.068 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :

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

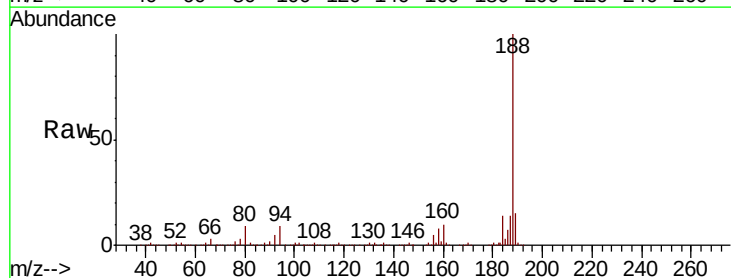


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

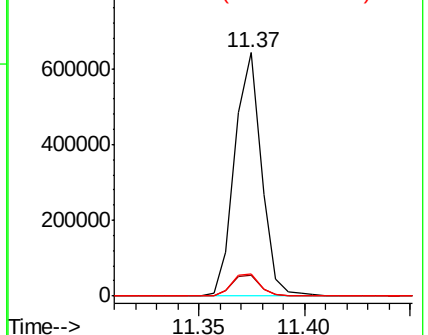
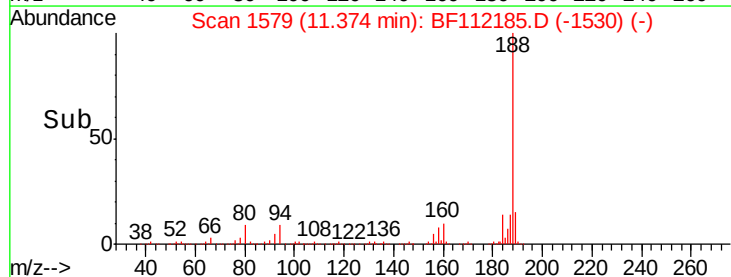


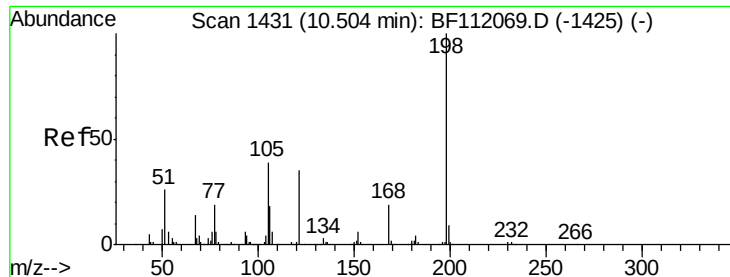
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	8.9	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: 10.407 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.17 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

Instrument :

BNA_F

ClientSampled :

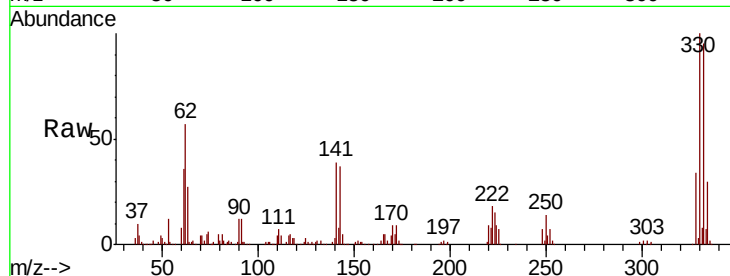
Tot Ion:198 Resp: 998

Ion Ratio Lower Upper

198 100

51 191.2 17.2 57.2#

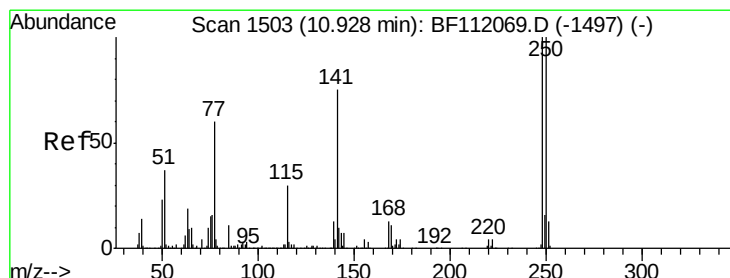
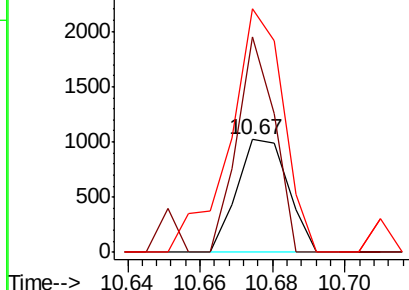
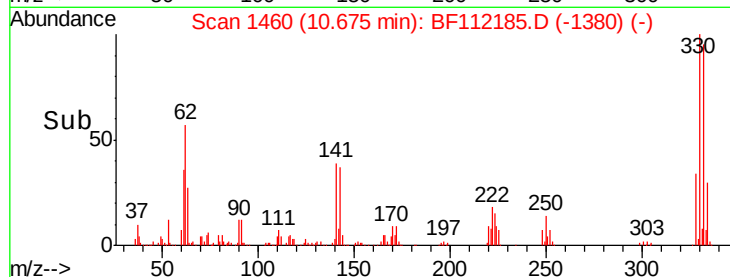
105 215.4 21.9 61.9#



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: 4.212 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

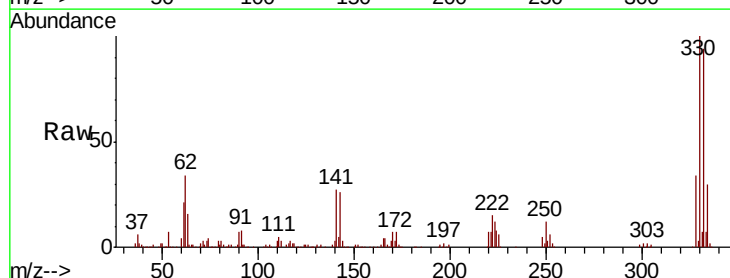
Tgt Ion:248 Resp: 27390

Ion Ratio Lower Upper

248 100

250 210.2 79.7 119.5#

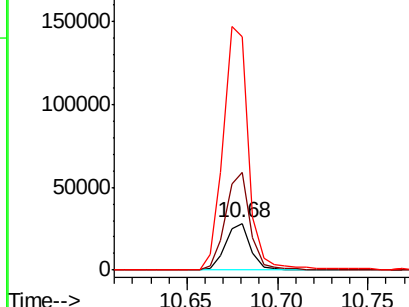
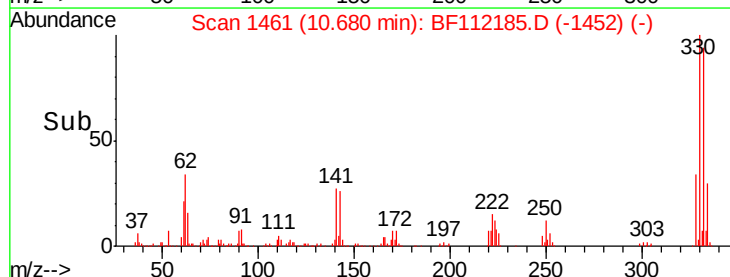
141 499.6 60.3 90.5#

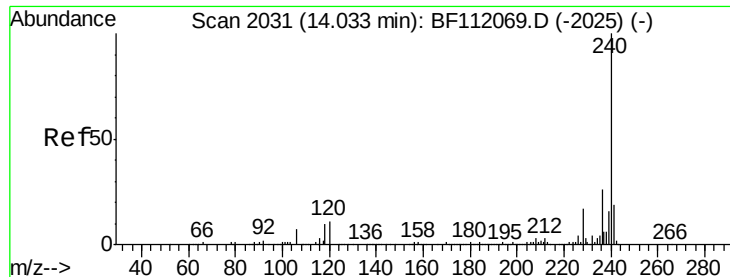


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF112185.D

Acq: 22 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

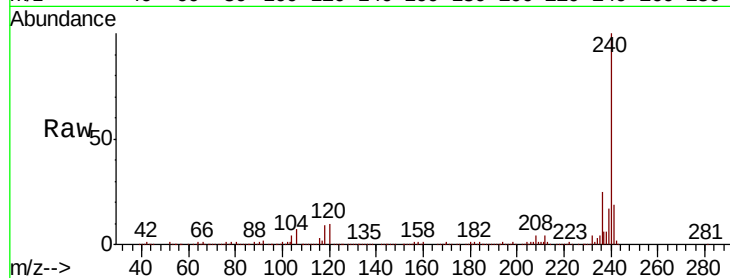
Tot Ion:240 Resp: 519658

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.6

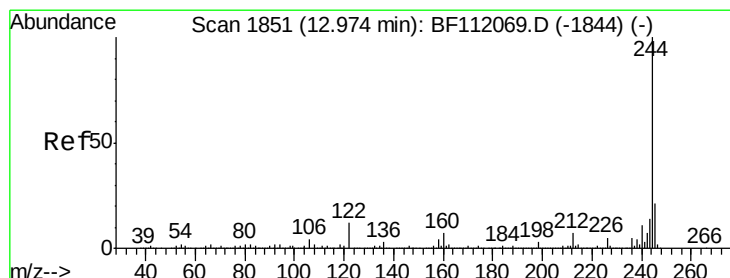
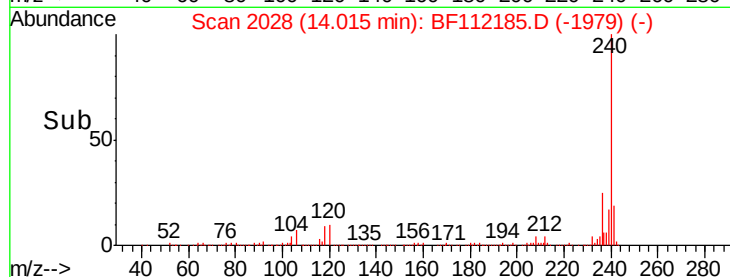
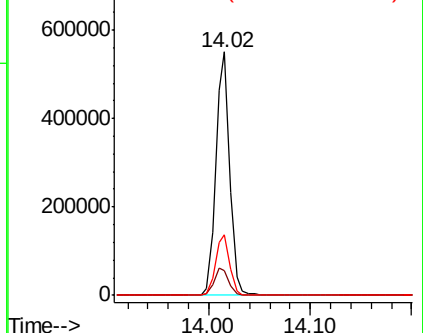
236 24.7 20.7 31.1



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: 89.743 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112185.D

Acq: 22 Jan 2019 10:23

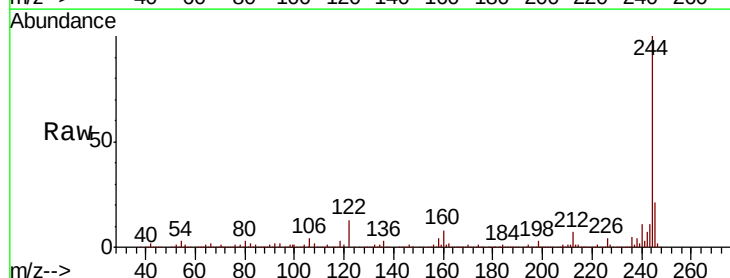
Tgt Ion:244 Resp: 2192163

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

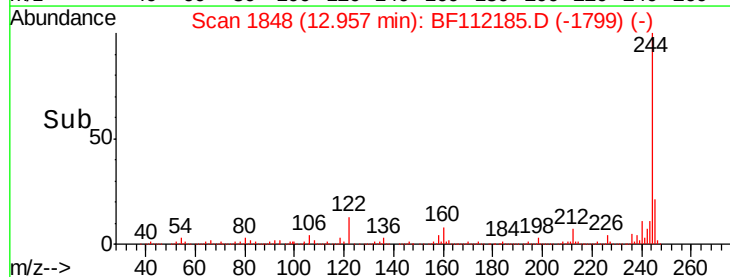
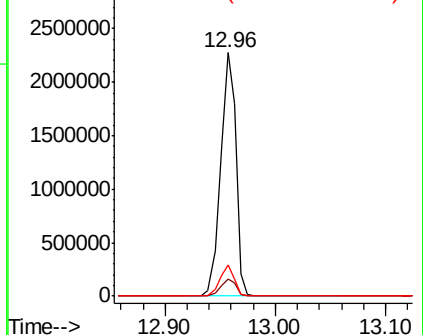
122 12.8 9.8 14.6

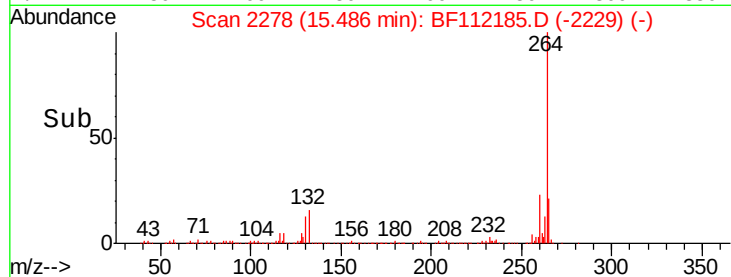
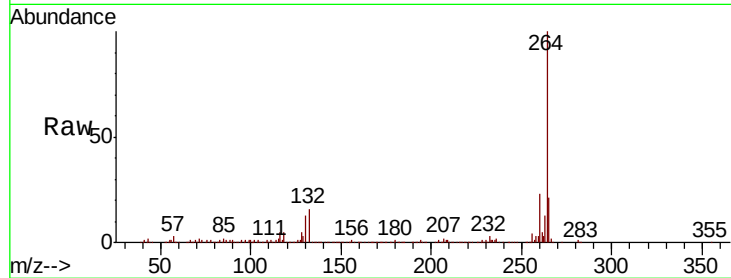
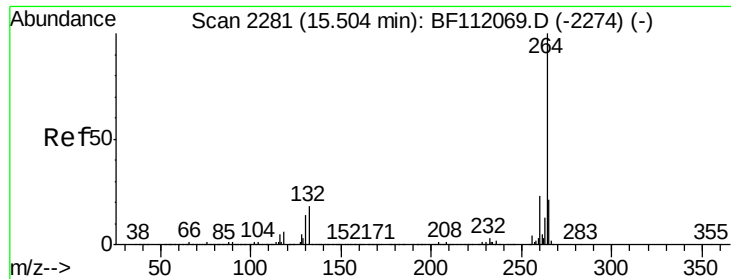


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF112185.D
 Acq: 22 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	21.2	17.0	25.4

