

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112186.D
 Acq On : 22 Jan 2019 10:50
 Operator : JU/SJ
 Sample : K1013-06RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 12:27:30 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	244075	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	851487	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	353896	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	609887	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	563281	20.00	ng	-0.01
87) Perylene-d12	15.48	264	400849	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1453702	108.10	ng	0.00
7) Phenol-d6	6.50	99	1494110	88.80	ng	0.00
23) Nitrobenzene-d5	7.42	82	1282534	104.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	502385	131.59	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2345737	97.18	ng	0.00
79) Terphenyl-d14	12.96	244	2415263	91.22	ng	-0.01

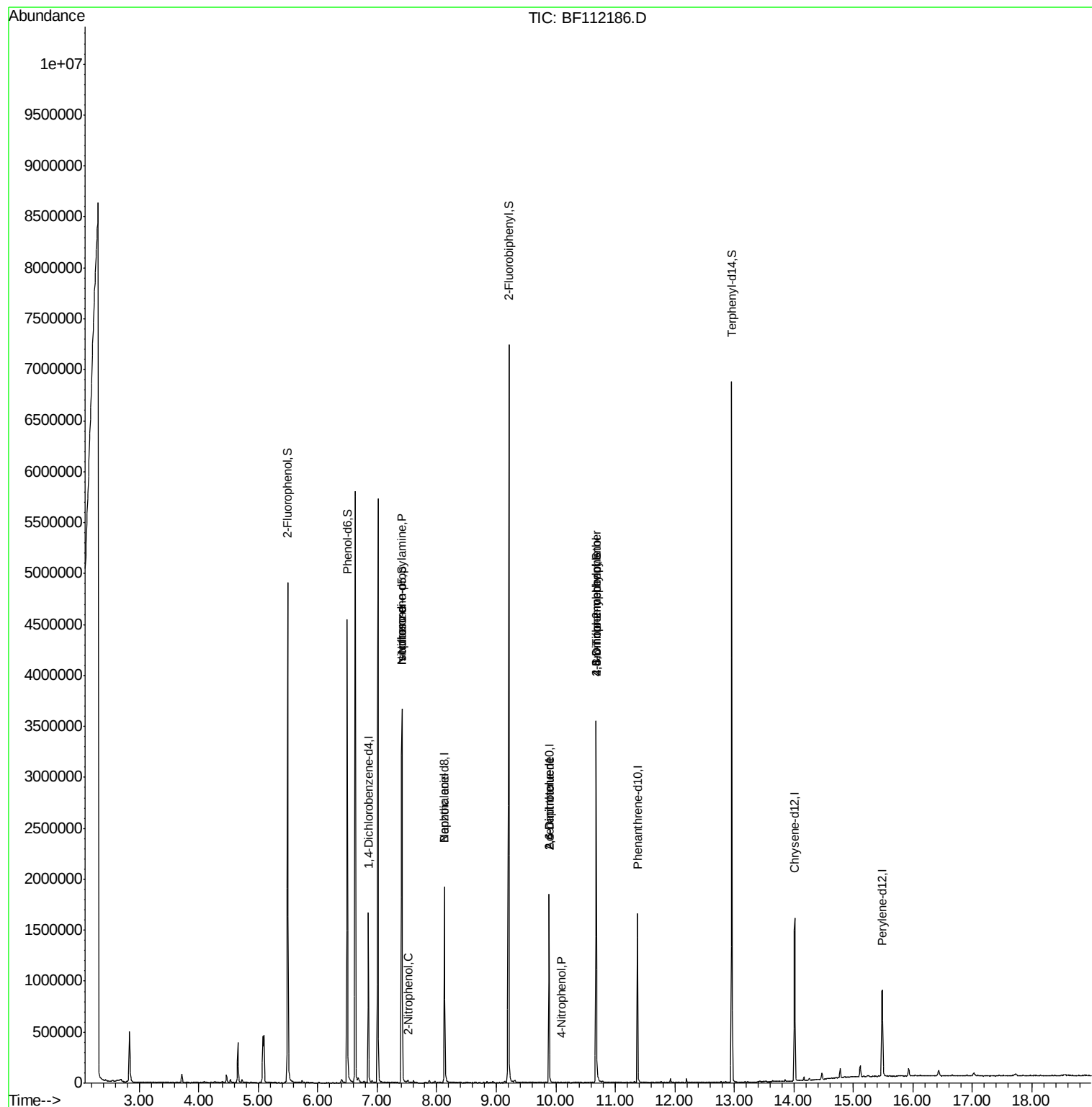
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	9770	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.42	70	173488	16.926	ng	# 75
25) Isophorone	7.42	82	1270509	53.371	ng	# 64
26) 2-Nitrophenol	7.52	139	114	5.696	ng	# 39
32) Benzoic acid	8.13	122	135	7.197	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	44014	8.539	ng	# 34
56) 4-Nitrophenol	10.09	139	121	5.682	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	44014	10.599	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.67	198	1006	10.382	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	30719	4.336	ng	# 1

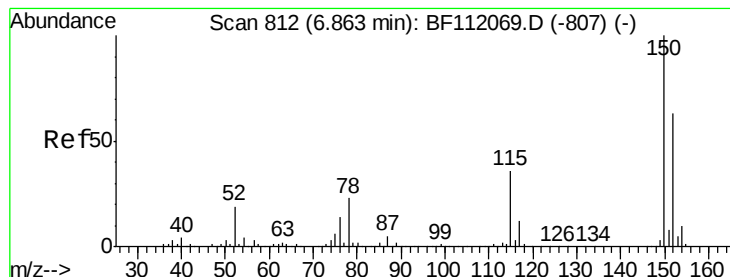
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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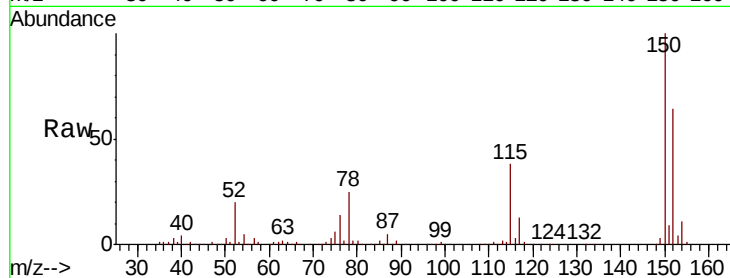




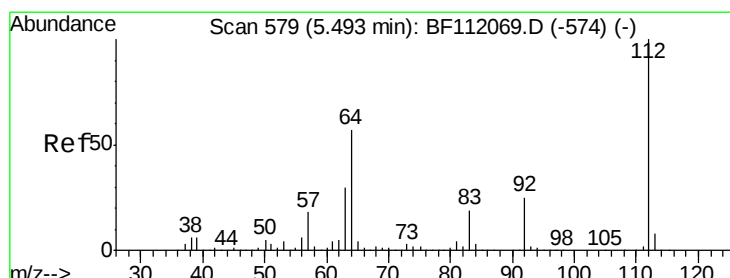
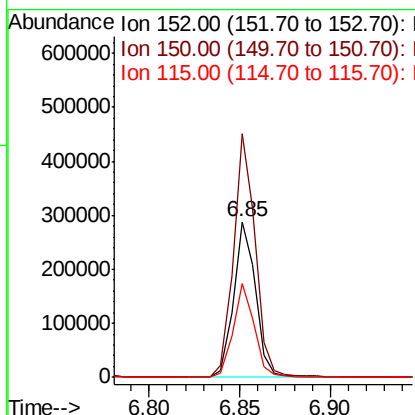
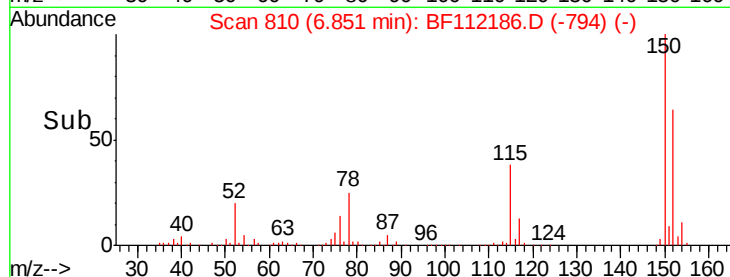
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112186.D
 Acq: 22 Jan 2019 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 244075
 Ion Ratio Lower Upper
 152 100
 150 156.4 127.4 191.0
 115 60.2 45.5 68.3

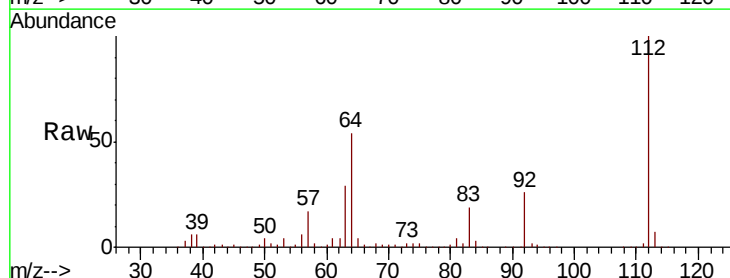


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

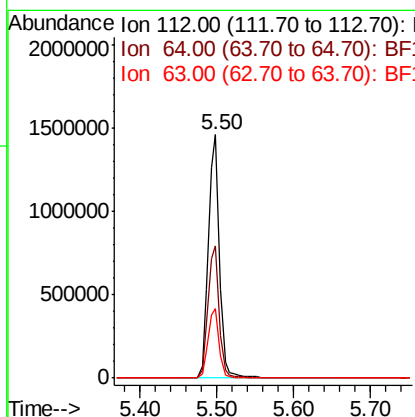
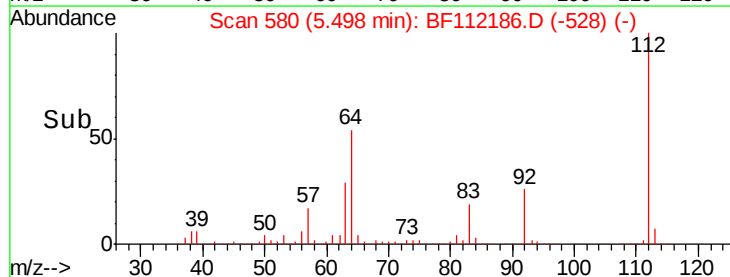


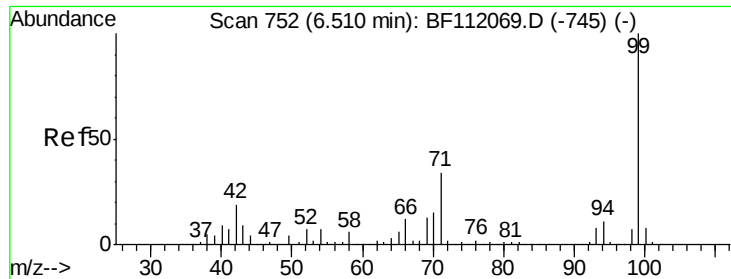
#5
 2-Fluorophenol
 Concen: 108.103 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF112186.D
 Acq: 22 Jan 2019 10:50

Tgt Ion:112 Resp: 1453702
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.7 68.5
 63 28.5 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: 88.804 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

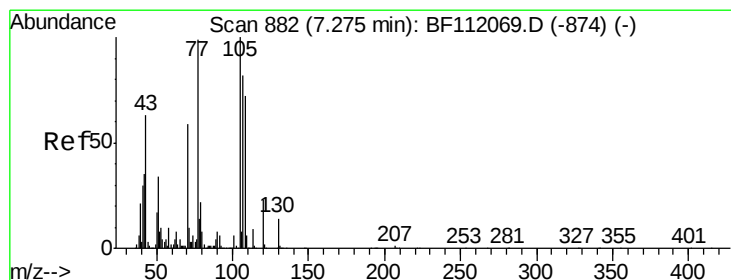
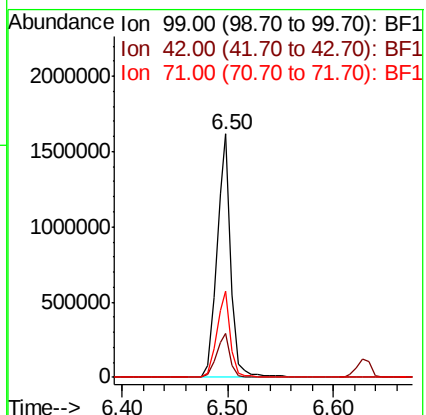
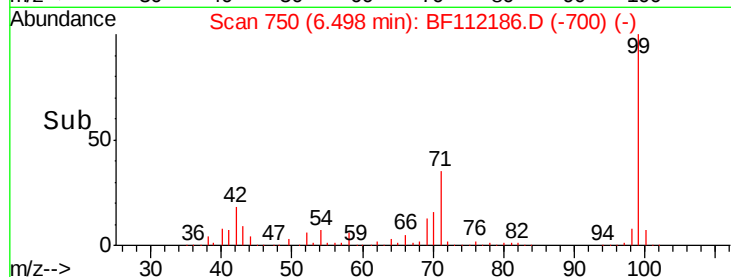
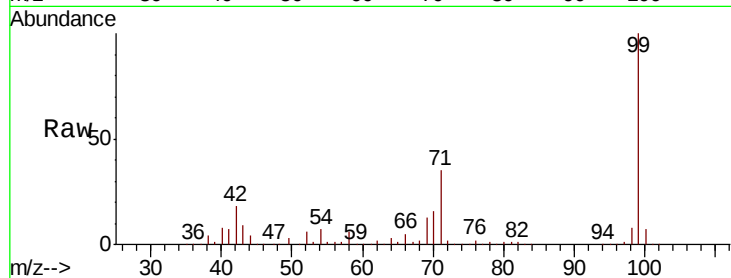
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1494110

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	35.5	26.9	40.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.926 ng

RT: 7.42 min Scan# 906

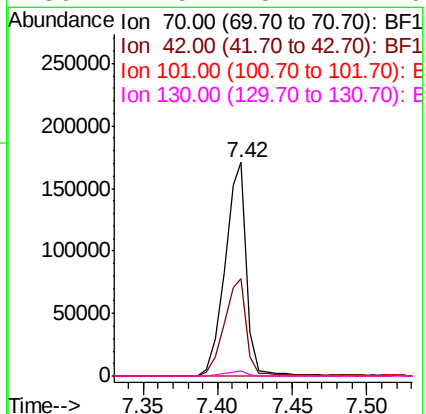
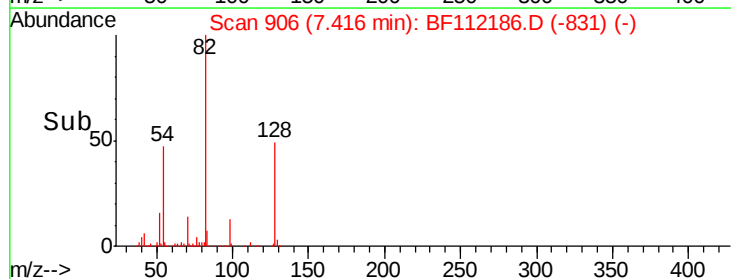
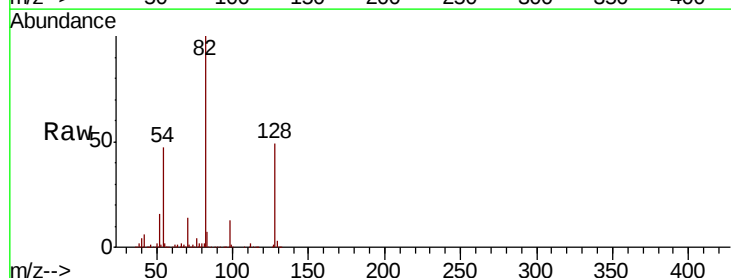
Delta R.T. 0.14 min

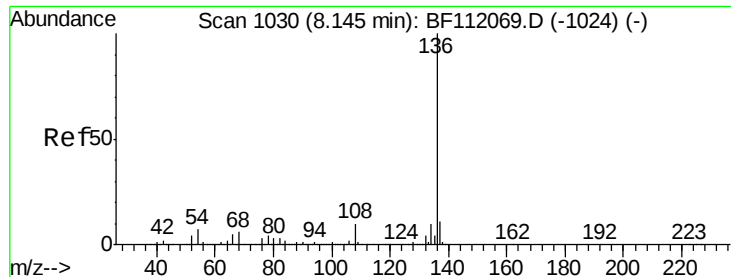
Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Tgt Ion: 70 Resp: 173488

Ion	Ratio	Lower	Upper
70	100		
42	45.4	47.6	71.4#
101	0.0	7.9	11.9#
130	2.5	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: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 851487

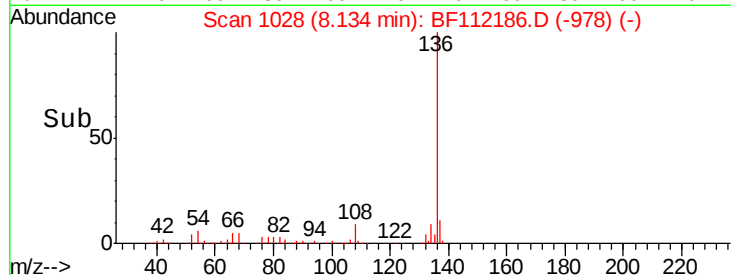
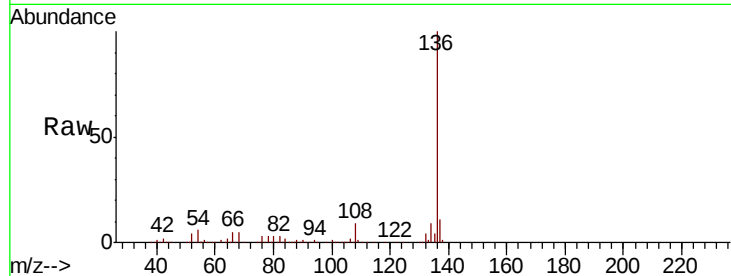
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.4 5.9 8.9

68 5.1 5.1 7.7

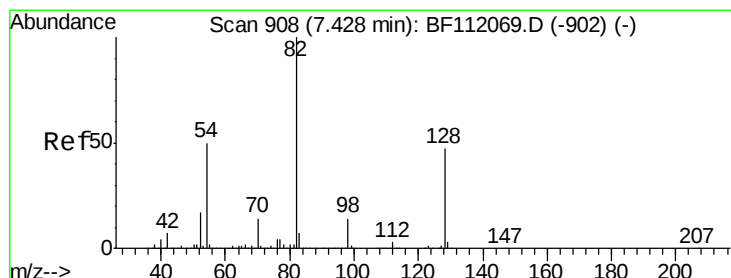
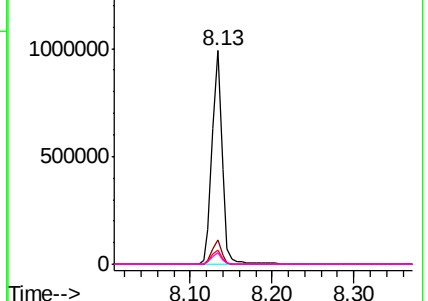


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.064 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

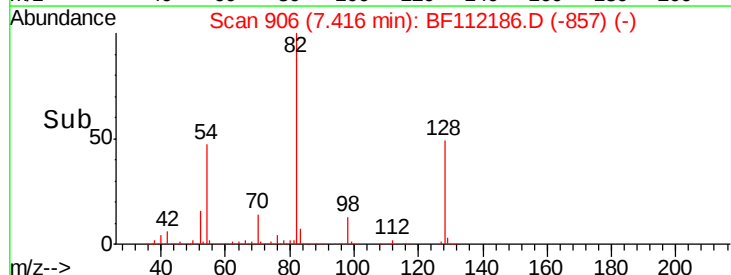
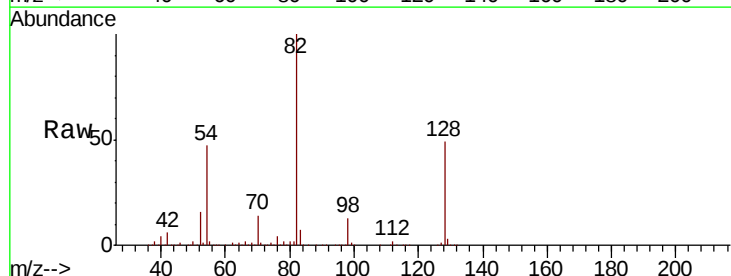
Tgt Ion: 82 Resp: 1282534

Ion Ratio Lower Upper

82 100

128 49.3 37.8 56.8

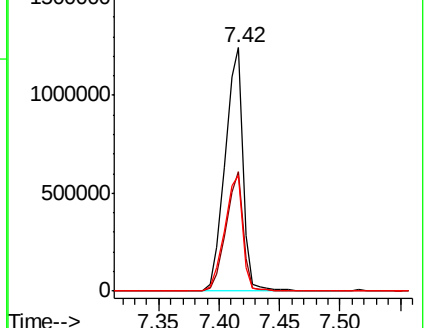
54 47.4 39.7 59.5

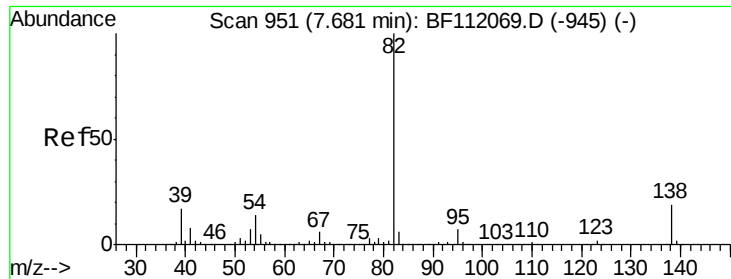


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.371 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

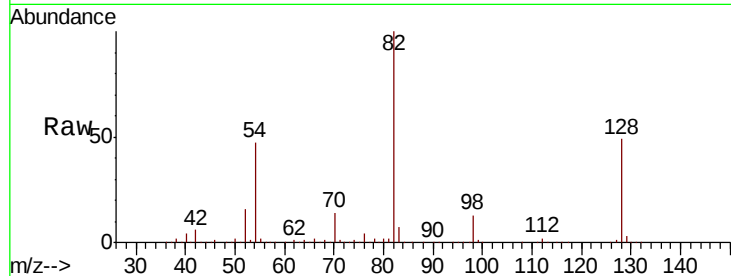
Tot Ion: 82 Resp: 1270509

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

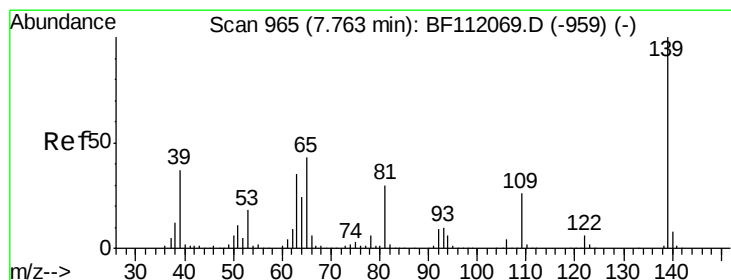
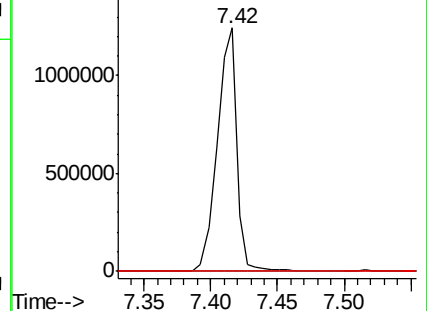
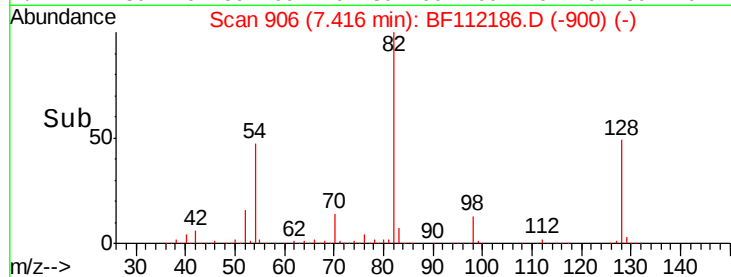
138 0.0 15.4 23.0#



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# 923

Delta R.T. -0.24 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

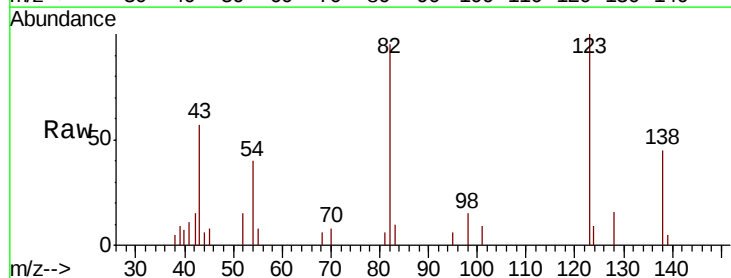
Tgt Ion: 139 Resp: 114

Ion Ratio Lower Upper

139 100

109 0.0 20.8 31.2#

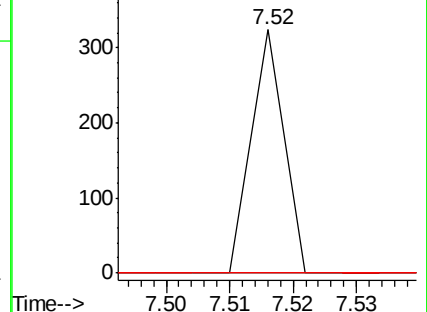
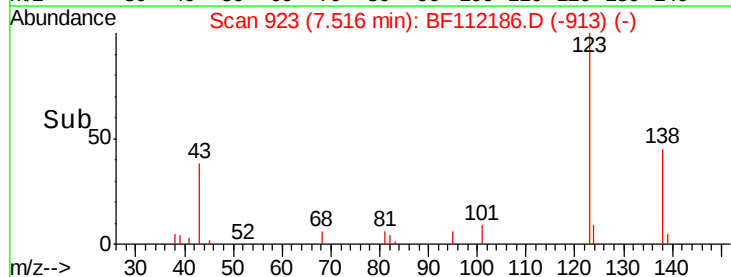
65 0.0 34.4 51.6#

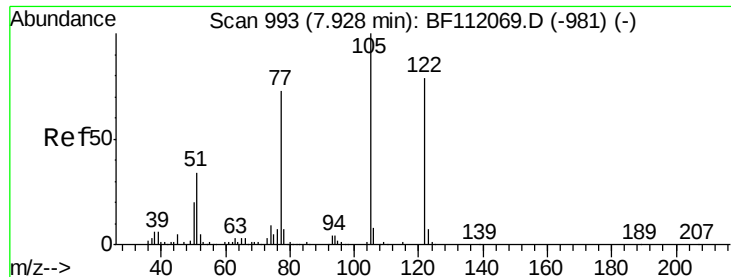


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

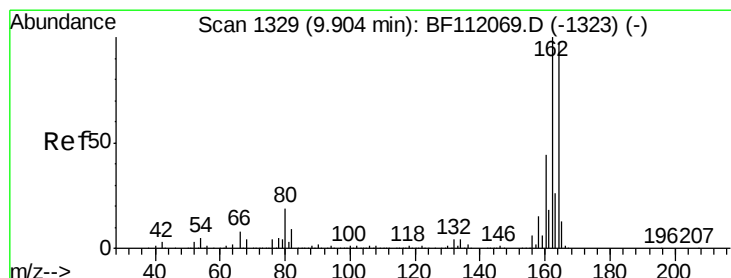
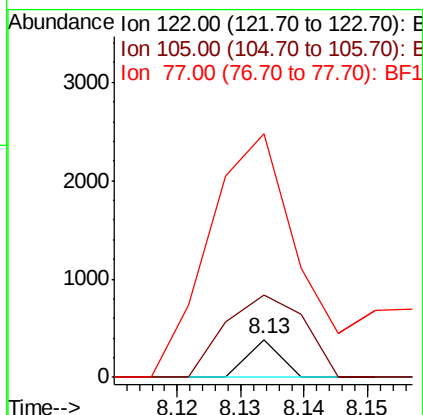
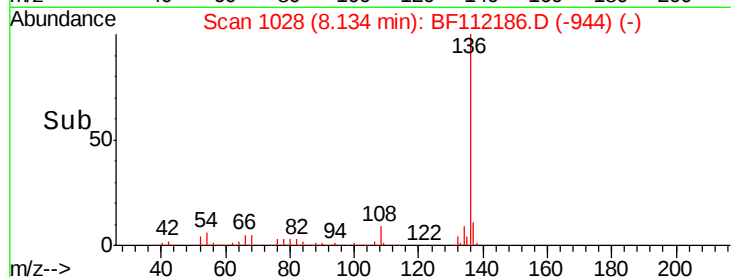
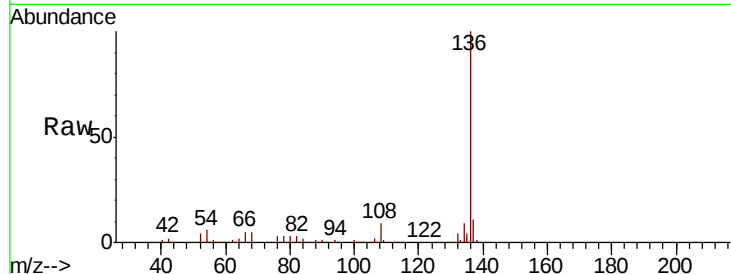




#32
Benzoic acid
Concen: 7.197 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.19 min
Lab File: BF112186.D
Acq: 22 Jan 2019 10:50

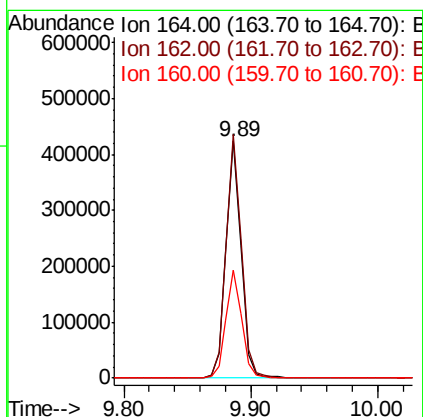
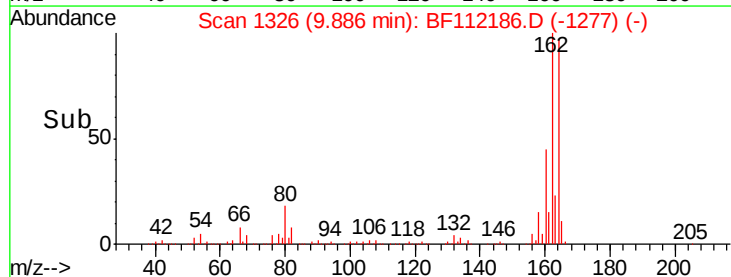
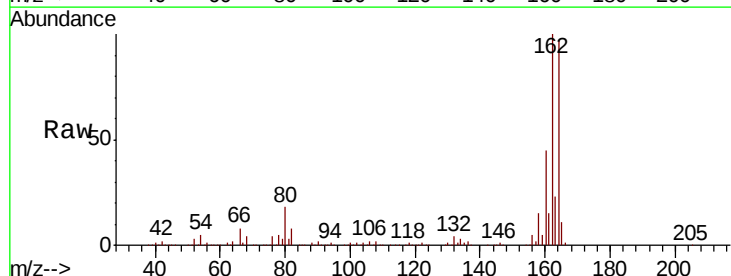
Instrument :
BNA_F
ClientSampleId :

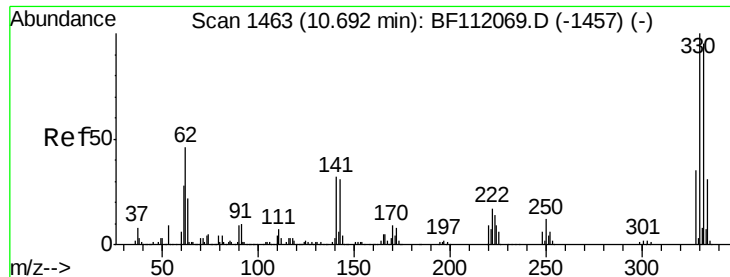
Tot Ion	Ratio	Lower	Upper
122	100		
105	218.1	101.2	141.2#
77	648.2	70.4	110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112186.D
Acq: 22 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.4
160	45.8	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 131.592 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

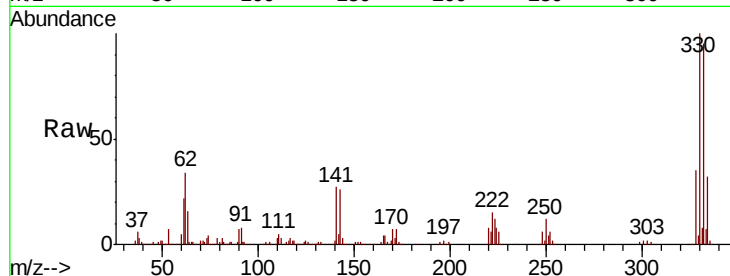
Tot Ion:330 Resp: 502385

Ion Ratio Lower Upper

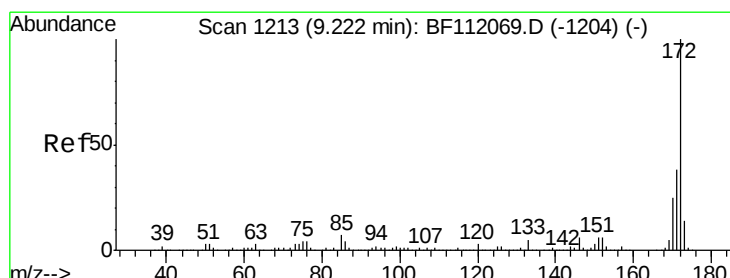
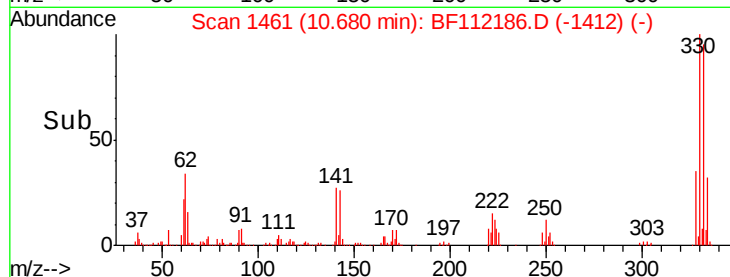
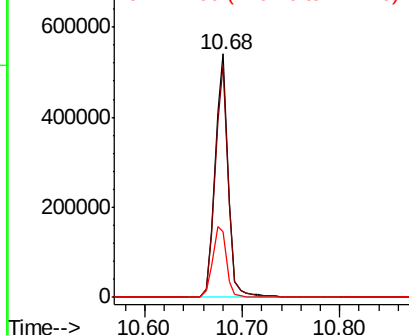
330 100

332 95.9 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: 97.179 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

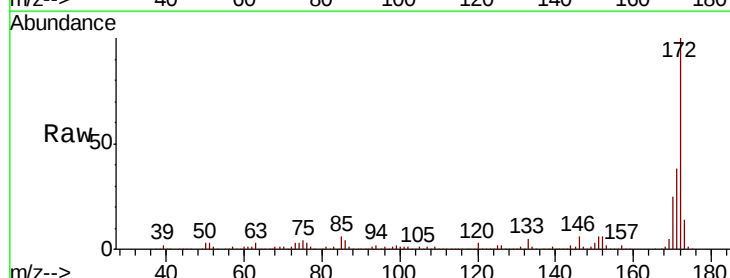
Tgt Ion:172 Resp: 2345737

Ion Ratio Lower Upper

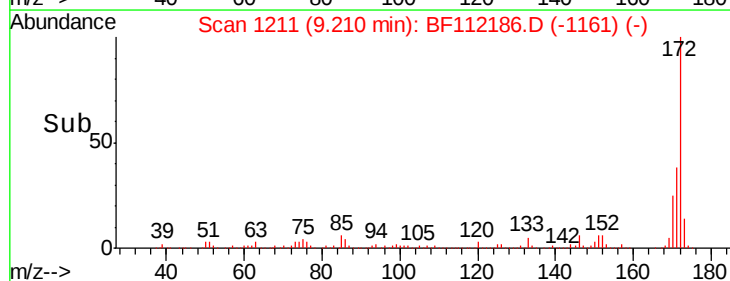
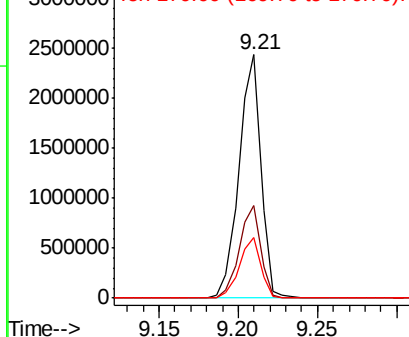
172 100

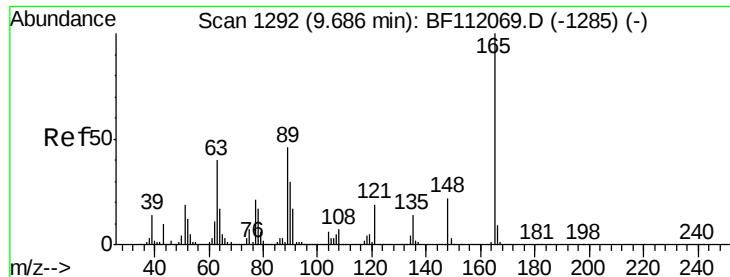
171 38.3 30.5 45.7

170 24.7 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

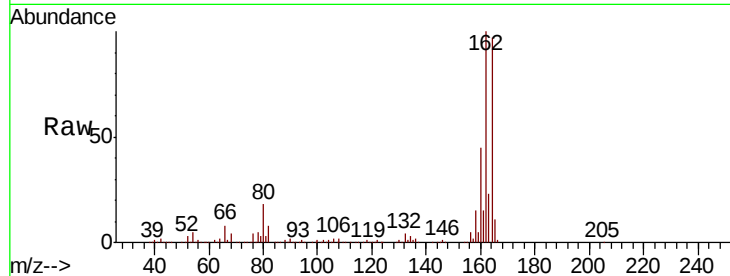




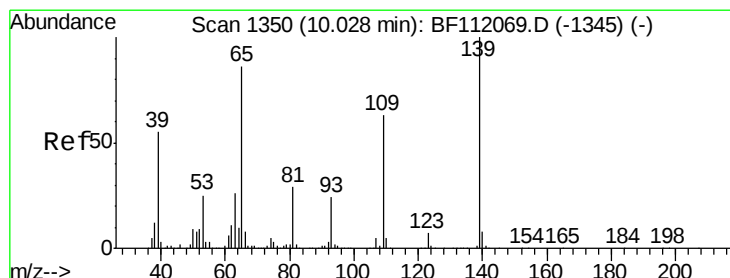
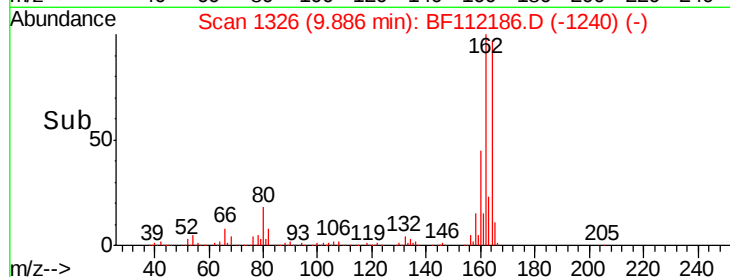
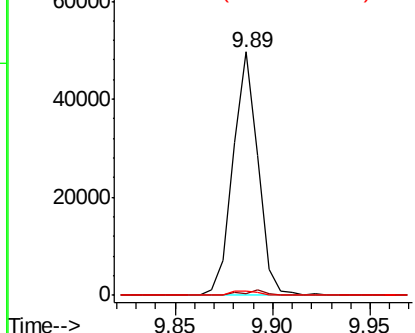
#51
 2,6-Dinitrotoluene
 Concen: 8.539 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112186.D
 Acq: 22 Jan 2019 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 44014
 Ion Ratio Lower Upper
 165 100
 63 0.9 33.8 50.8#
 89 1.5 36.9 55.3#

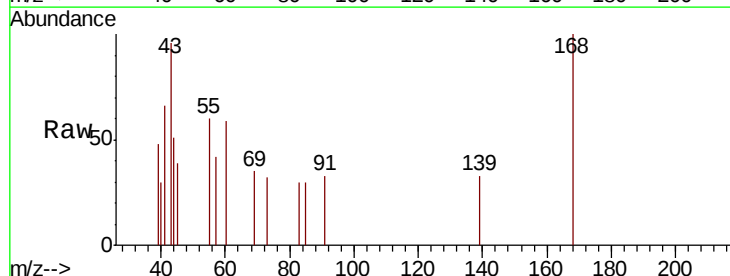


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

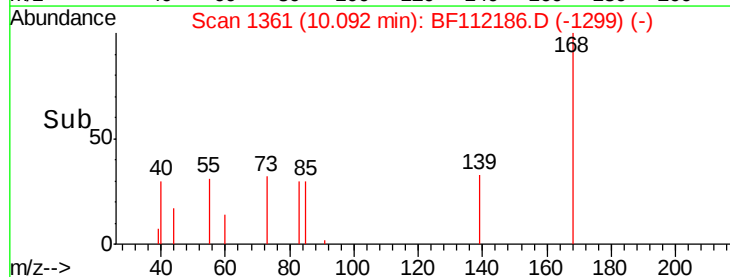
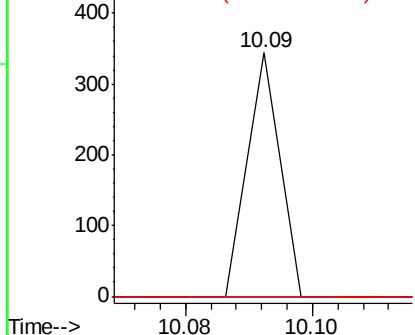


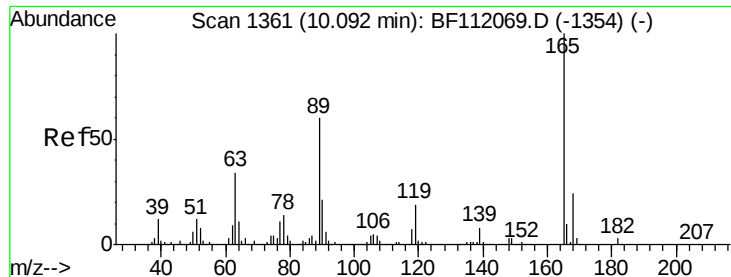
#56
 4-Nitrophenol
 Concen: 5.682 ng
 RT: 10.09 min Scan# 1361
 Delta R.T. 0.06 min
 Lab File: BF112186.D
 Acq: 22 Jan 2019 10:50

Tgt Ion:139 Resp: 121
 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: 10.599 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF112186.D

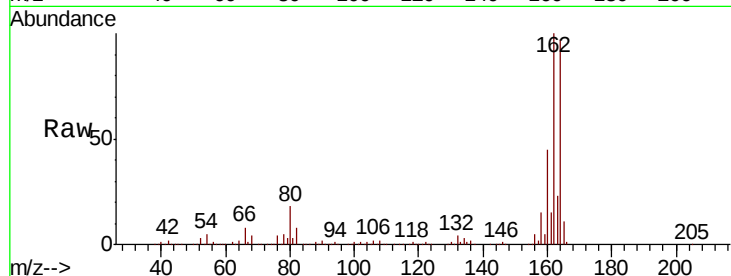
Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	44014
Ion Ratio	Lower	Upper
165	100	
63	0.9	27.9 41.9#
89	1.5	47.9 71.9#
182	0.0	2.2 3.4#

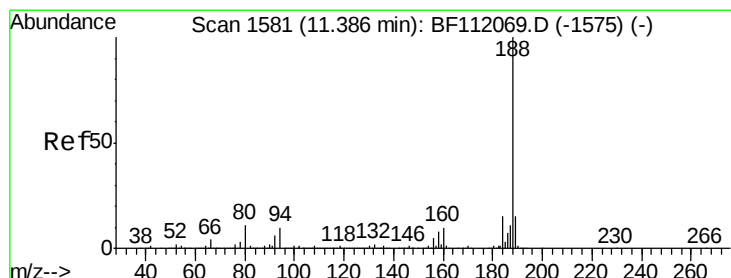
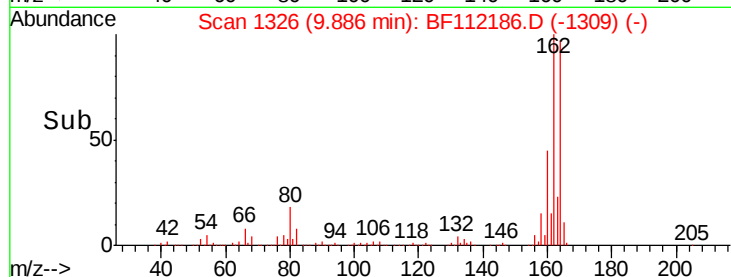
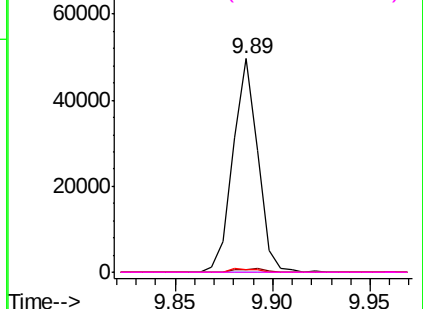


Abundance Ion 165.00 (164.70 to 165.70): E

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

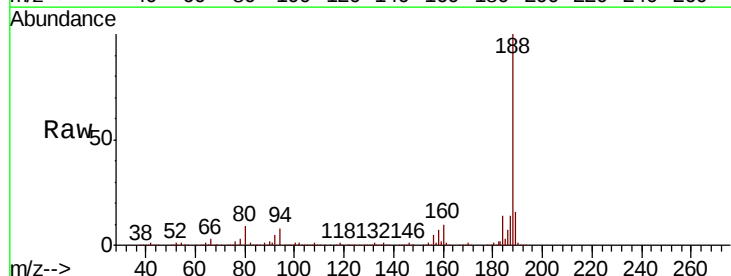
RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

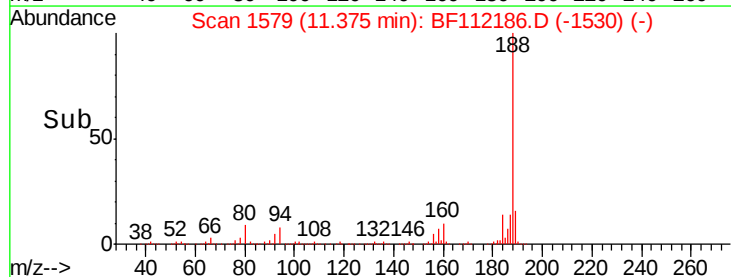
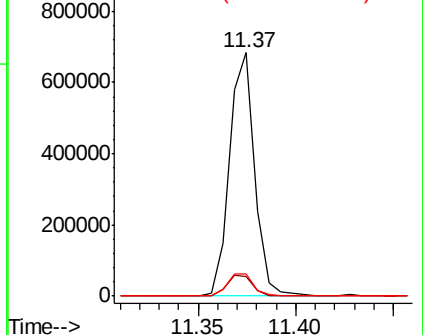
Tgt Ion:188	Resp:	609887
Ion Ratio	Lower	Upper
188	100	
94	8.0	8.2 12.2#
80	9.1	8.9 13.3

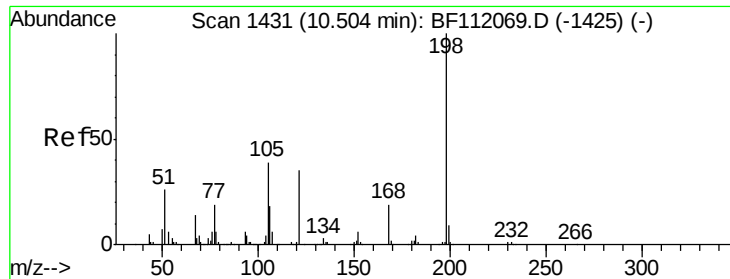


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.382 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.17 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

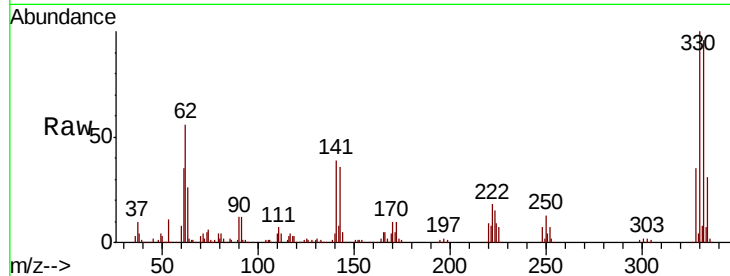
Tot Ion:198 Resp: 1006

Ion Ratio Lower Upper

198 100

51 198.0 17.2 57.2#

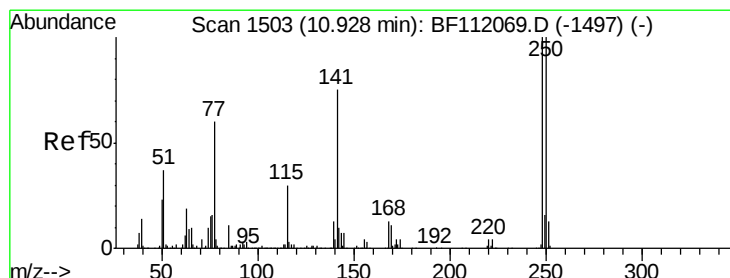
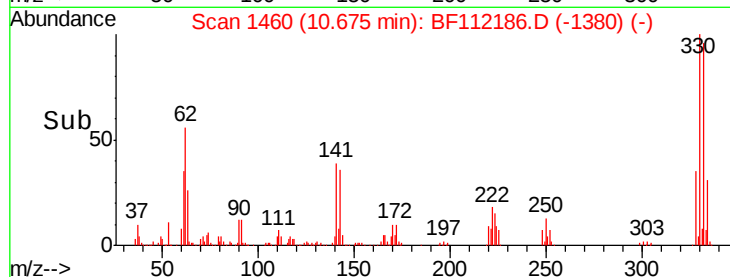
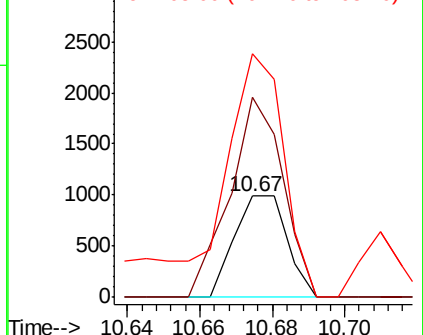
105 240.5 21.9 61.9#



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: 4.336 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

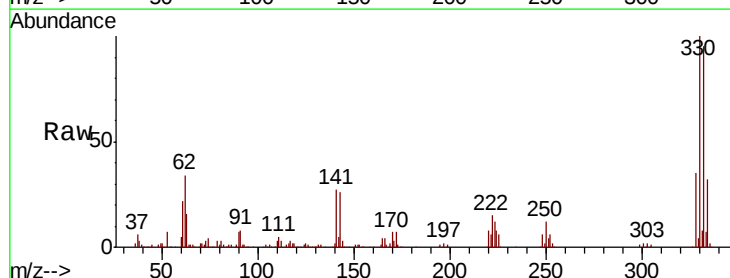
Tgt Ion:248 Resp: 30719

Ion Ratio Lower Upper

248 100

250 202.0 79.7 119.5#

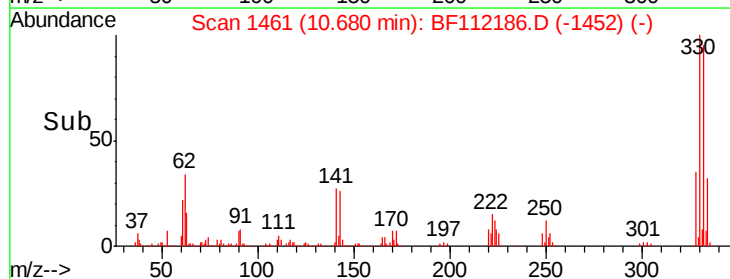
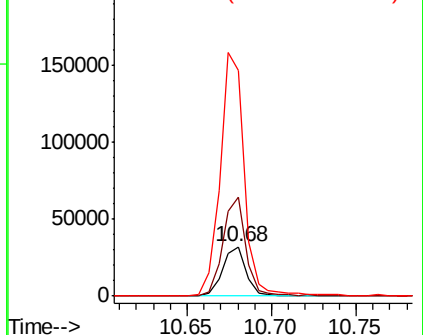
141 458.3 60.3 90.5#

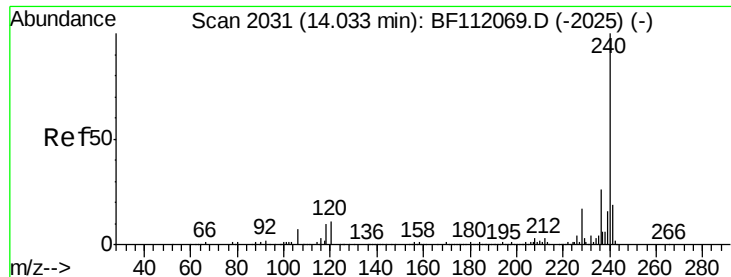


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA_F

ClientSampleId :

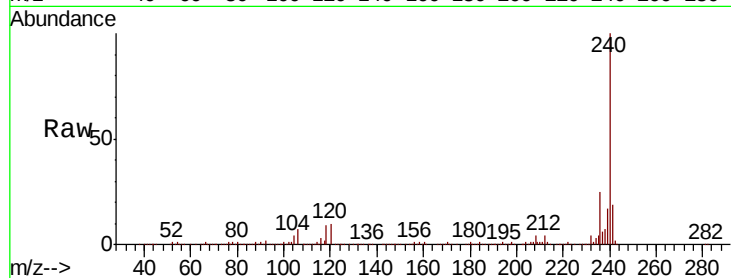
Tot Ion:240 Resp: 563281

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

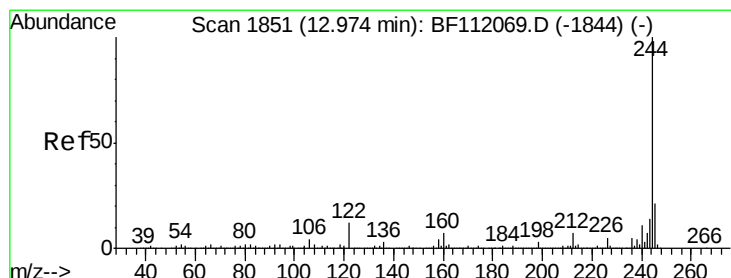
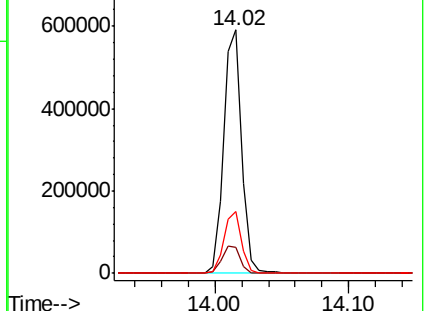
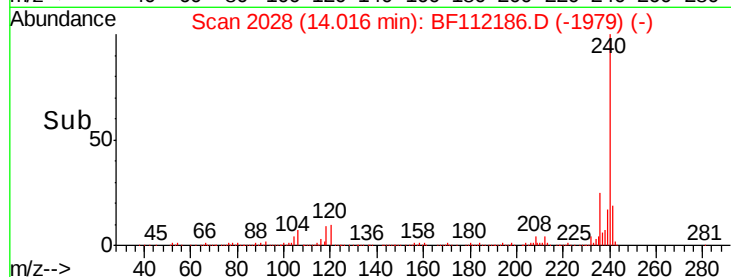
236 25.2 20.7 31.1



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: 91.219 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

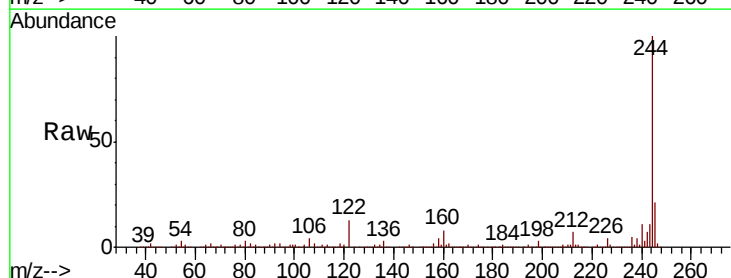
Tgt Ion:244 Resp: 2415263

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

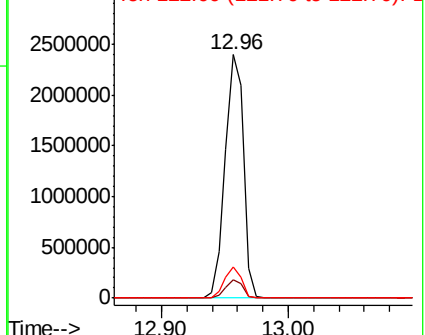
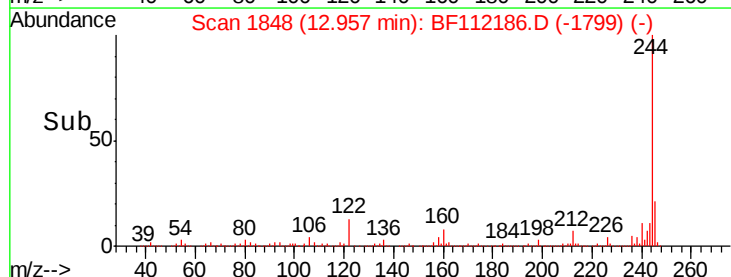
122 12.8 9.8 14.6

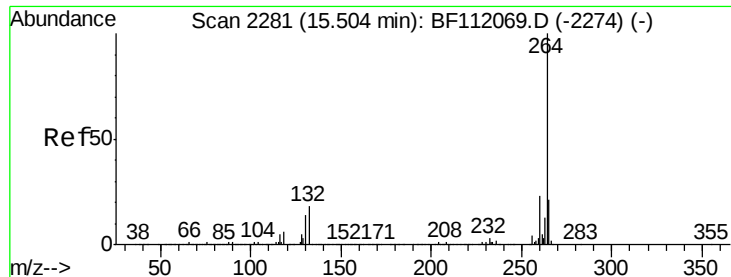


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.48 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BF112186.D
 Acq: 22 Jan 2019 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	21.2	17.0	25.4

