

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
 Data File : BF112197.D
 Acq On : 23 Jan 2019 13:04
 Operator : JU/SJ
 Sample : PB116569BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 13:45:49 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

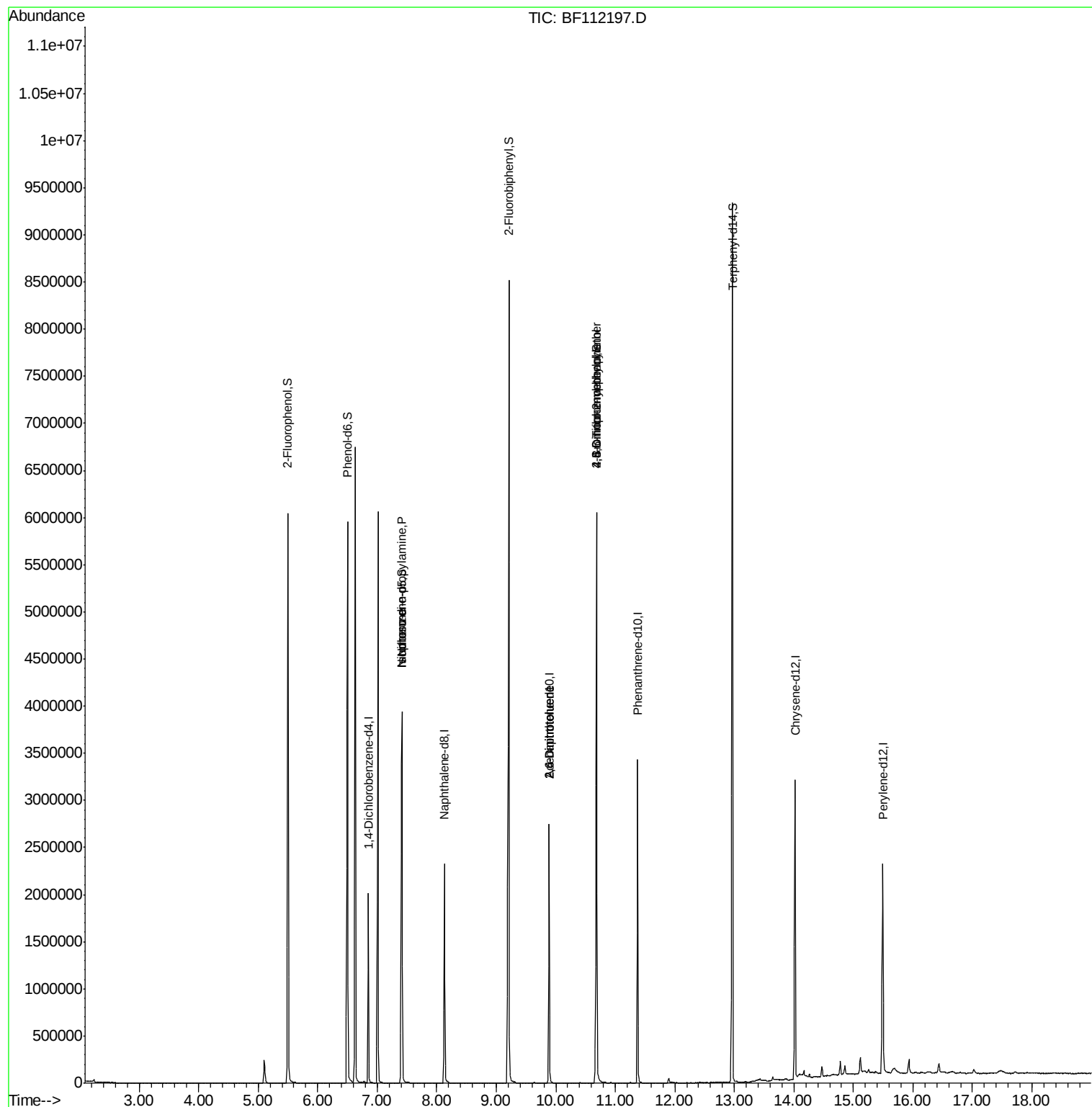
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	301323	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1192171	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	625996	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	1285393	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	1144152	20.00	ng	0.00
87) Perylene-d12	15.49	264	1009581	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1950954	117.52	ng	0.01
7) Phenol-d6	6.50	99	2458187	118.35	ng	0.00
23) Nitrobenzene-d5	7.42	82	1630105	94.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	928841	137.54	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	3324483	77.86	ng	0.00
79) Terphenyl-d14	12.97	244	3746873	69.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	3976	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	223703	17.679 ng	#	1
25) Isophorone	7.42	82	1610157	48.310 ng	#	73
51) 2,6-Dinitrotoluene	9.89	165	81018	8.886 ng	#	64
57) 2,4-Dinitrotoluene	9.89	165	81018	10.844 ng	#	34
65) 4,6-Dinitro-2-methylphenol	10.68	198	2111	10.381 ng	#	31
67) 4-Bromophenyl-phenylether	10.69	248	57511	3.852 ng	#	1

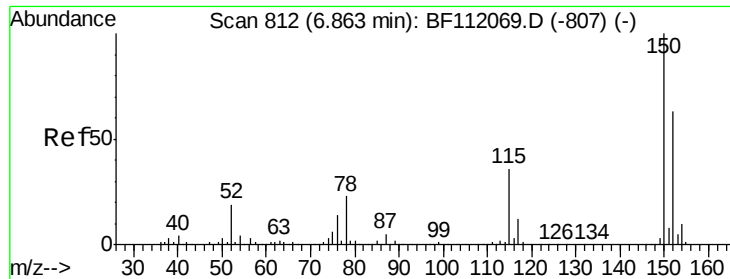
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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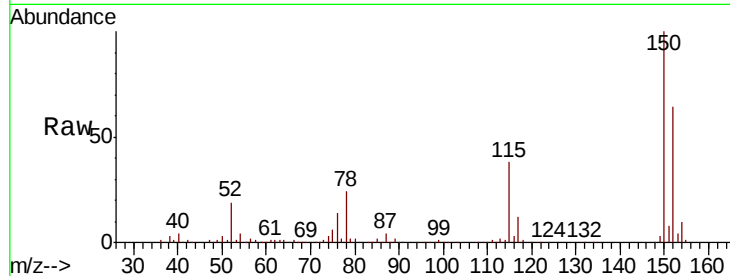


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112197.D
Acq: 23 Jan 2019 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.4	191.0
115	59.7	45.5	68.3

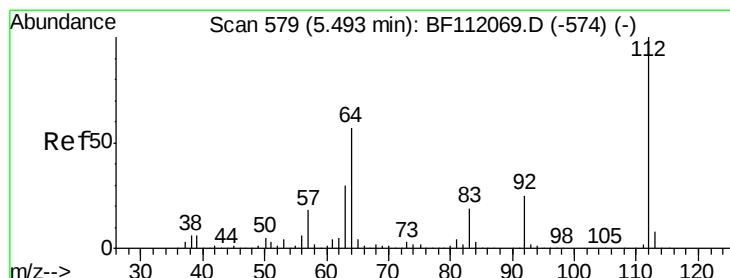
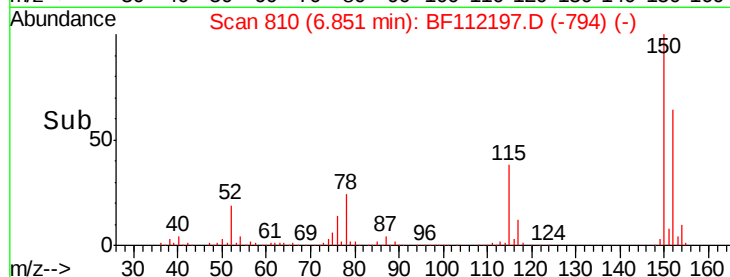
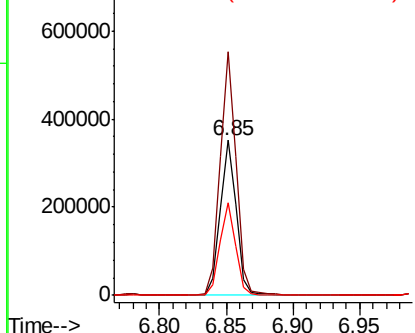


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

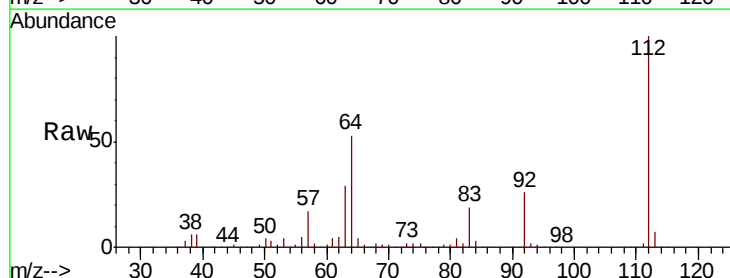
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.517 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112197.D
Acq: 23 Jan 2019 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.7	68.5
63	28.9	23.6	35.4

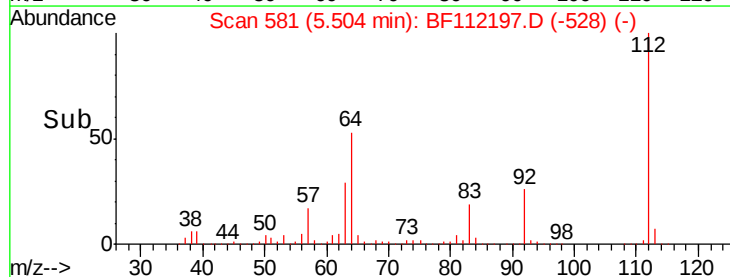
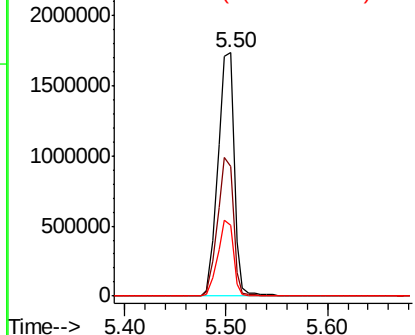


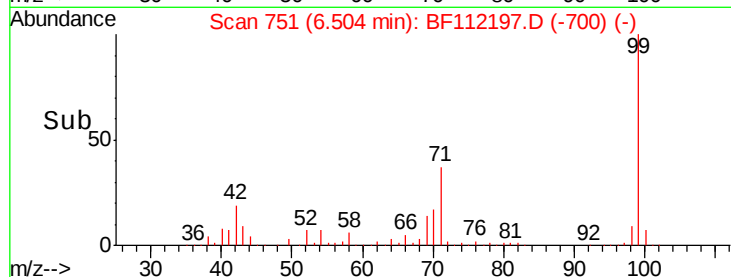
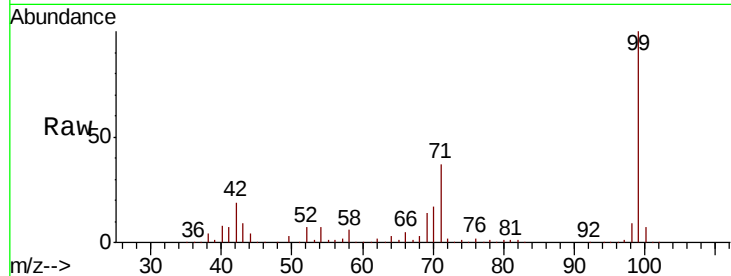
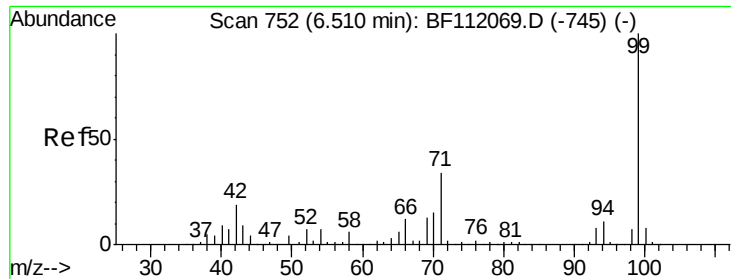
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

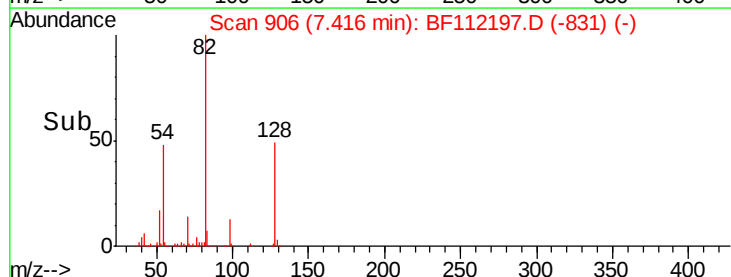
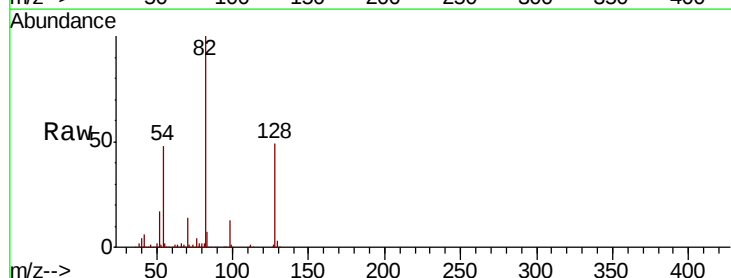
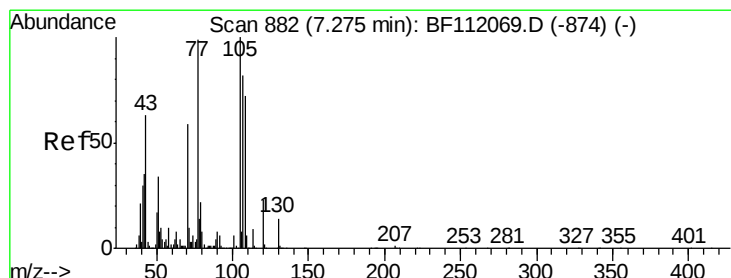
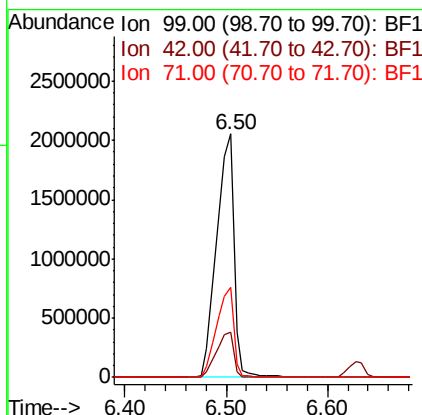




#7
Phenol-d6
Concen: 118.347 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF112197.D
Acq: 23 Jan 2019 13:04

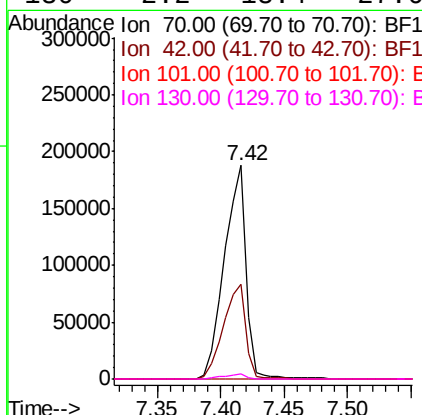
Instrument :
BNA_F
ClientSampled :

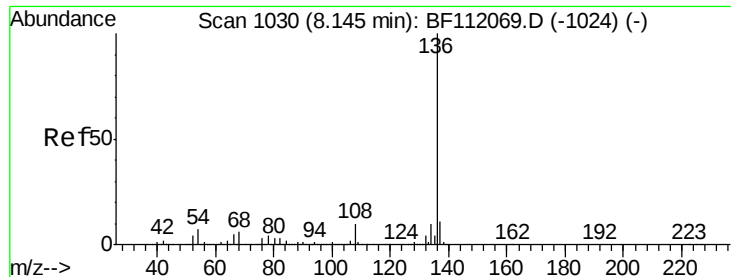
Tot Ion: 99 Resp: 2458187
Ion Ratio Lower Upper
99 100
42 18.8 15.1 22.7
71 37.1 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.679 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112197.D
Acq: 23 Jan 2019 13:04

Tgt Ion: 70 Resp: 223703
Ion Ratio Lower Upper
70 100
42 44.3 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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1192171

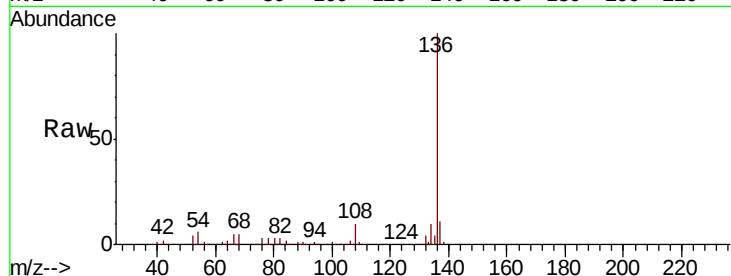
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.3 5.9 8.9

68 5.2 5.1 7.7

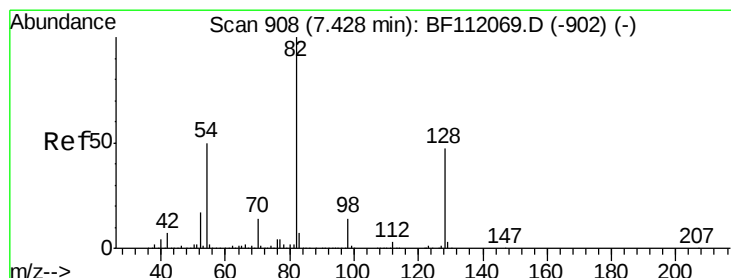
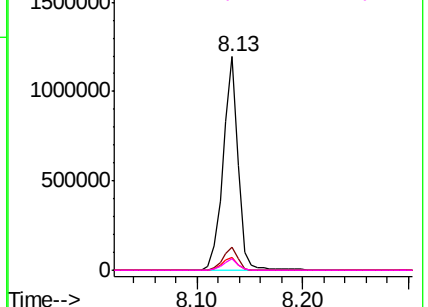
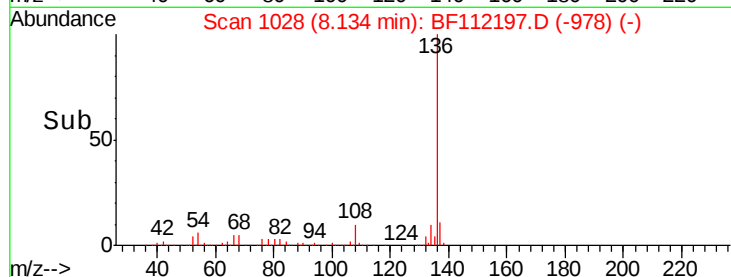


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.468 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

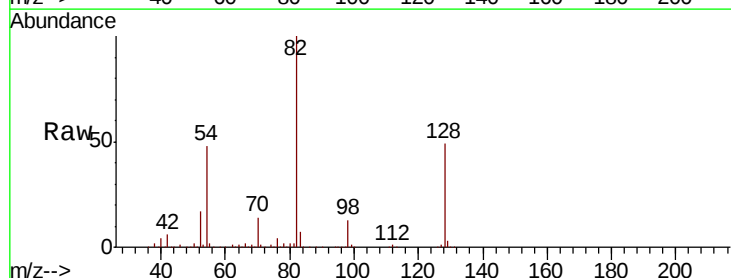
Tgt Ion: 82 Resp: 1630105

Ion Ratio Lower Upper

82 100

128 49.2 37.8 56.8

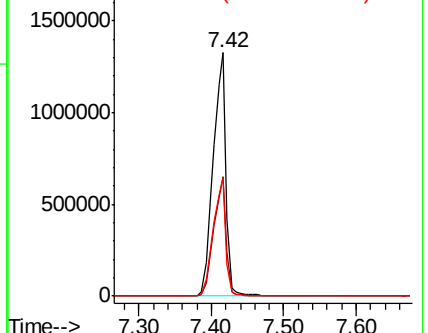
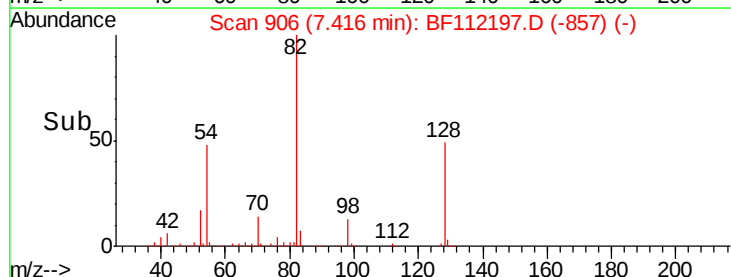
54 48.3 39.7 59.5

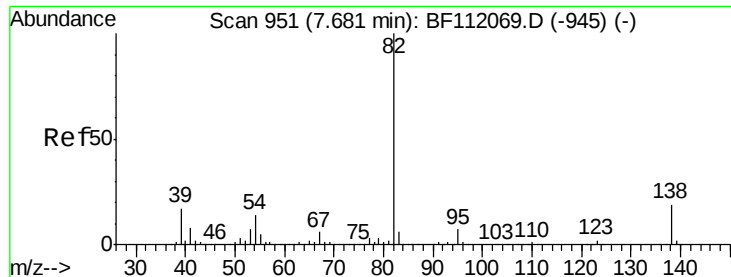


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.310 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

Instrument :

BNA_F

ClientSampleId :

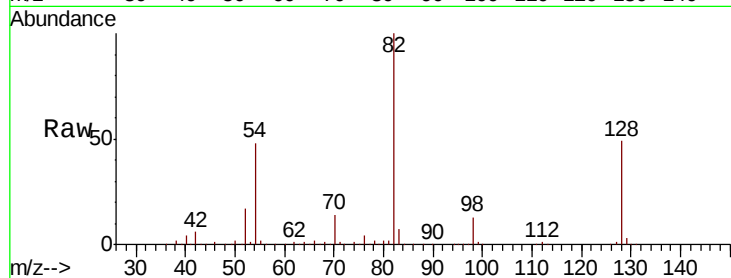
Tot Ion: 82 Resp: 1610157

Ion Ratio Lower Upper

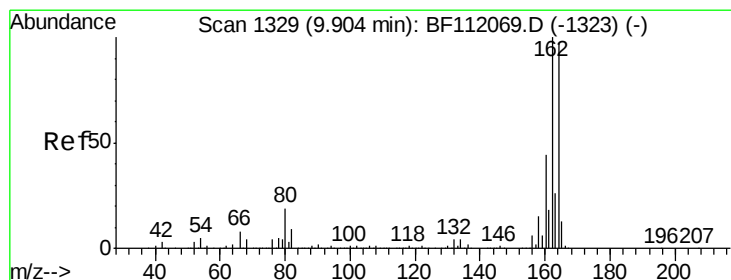
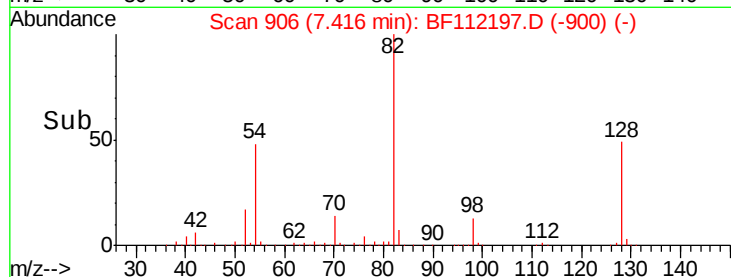
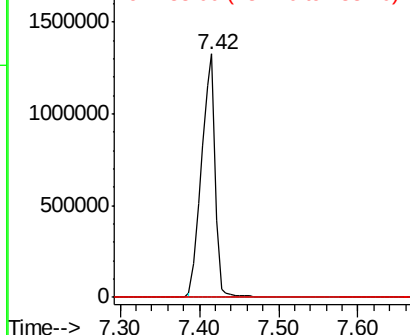
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

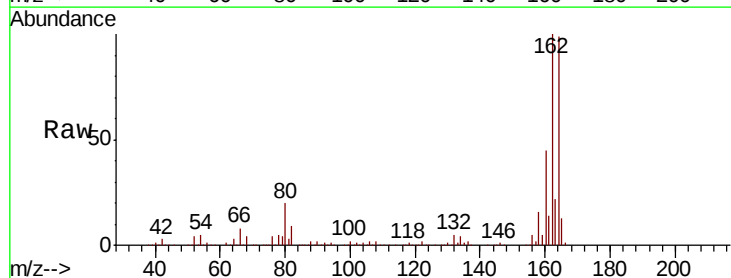
Tgt Ion:164 Resp: 625996

Ion Ratio Lower Upper

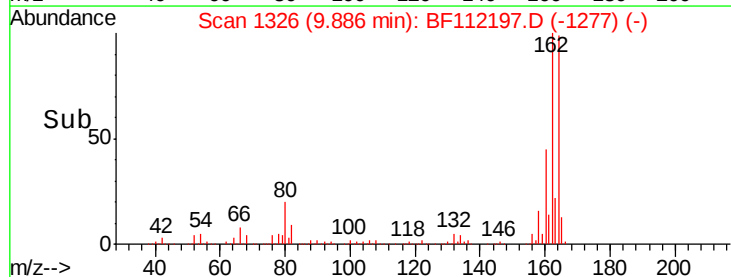
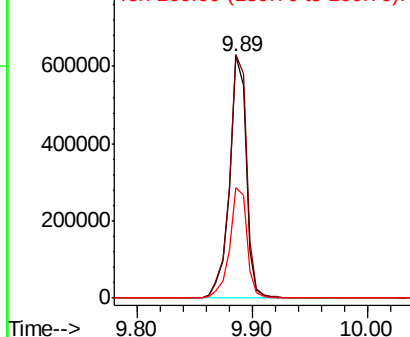
164 100

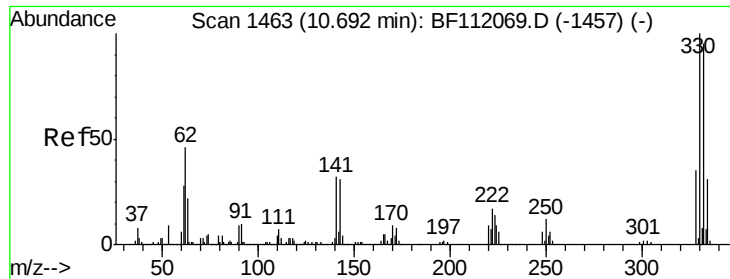
162 100.6 82.2 123.4

160 45.5 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: 137.542 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112197.D

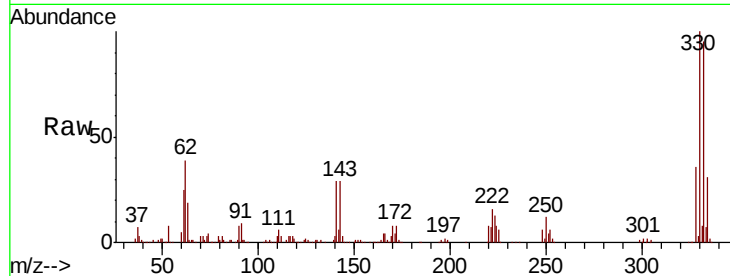
Acq: 23 Jan 2019 13:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:	330	Resp:	928841
Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	31.3	24.3	36.5

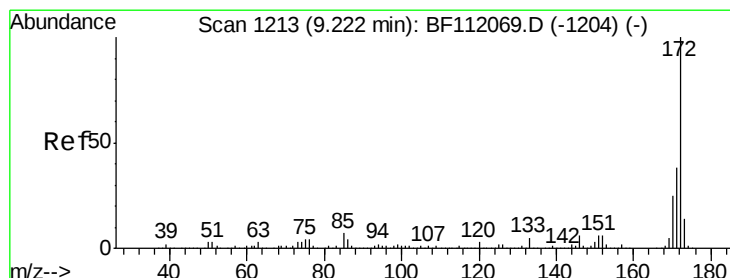
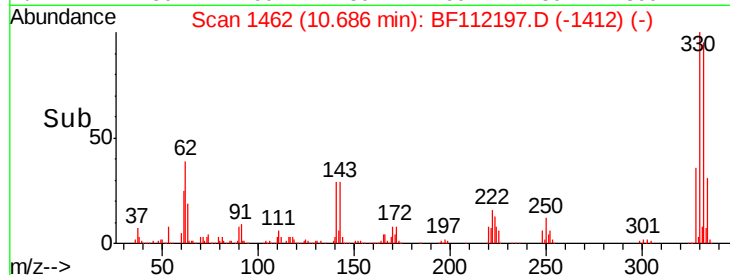
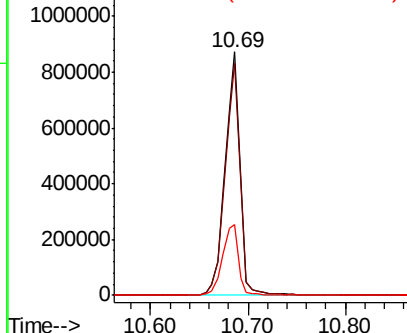


Abundance

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: 77.861 ng

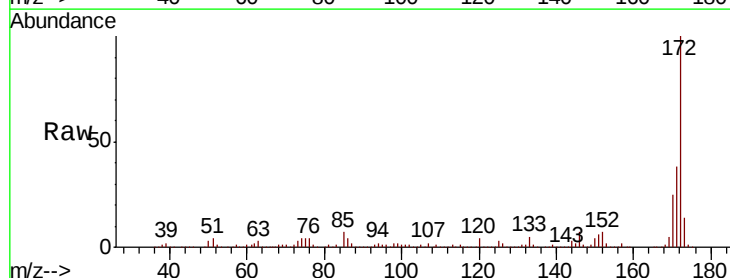
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

Tgt Ion:	172	Resp:	3324483
Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.5	45.7
170	25.5	20.2	30.4

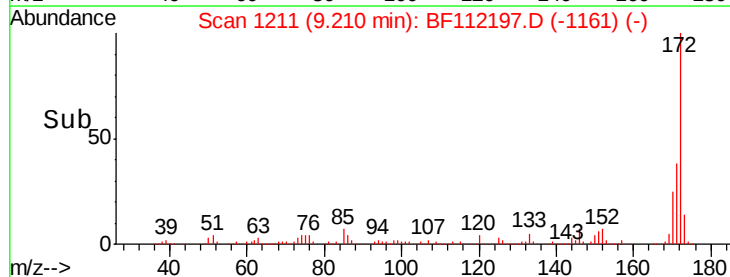
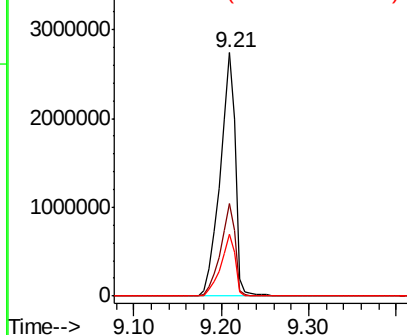


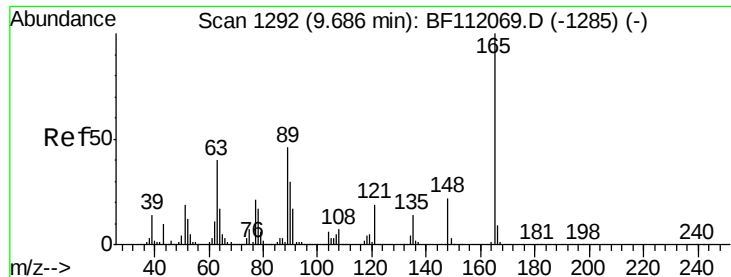
Abundance

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

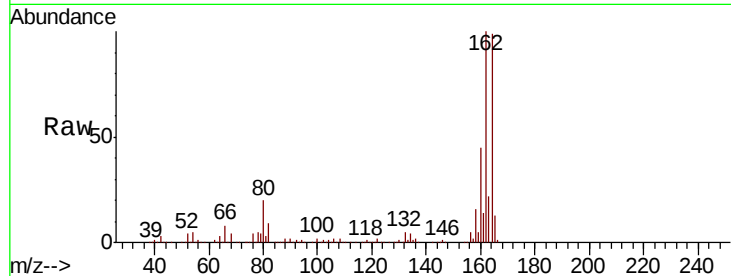




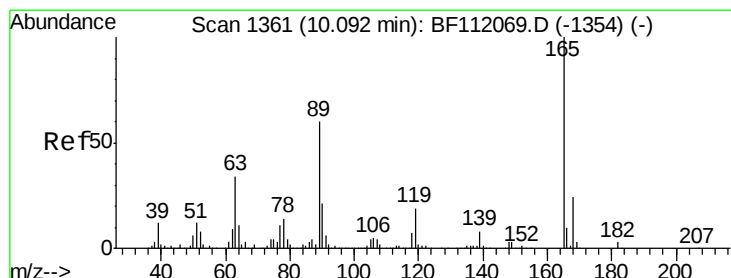
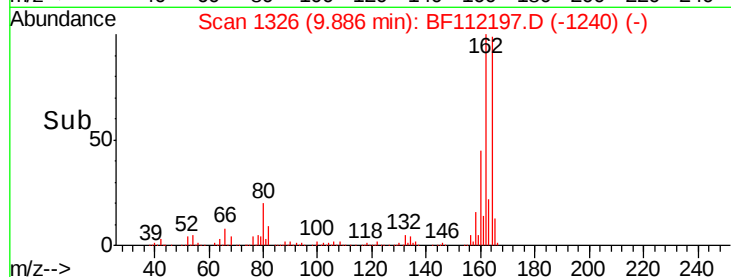
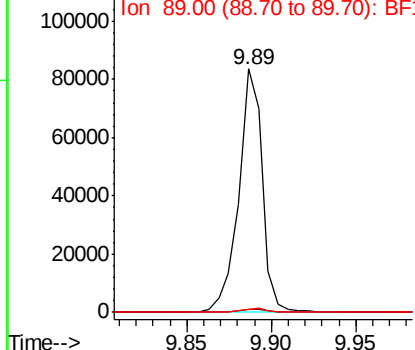
#51
 2,6-Dinitrotoluene
 Concen: 8.886 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112197.D
 Acq: 23 Jan 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.4	36.9	55.3#

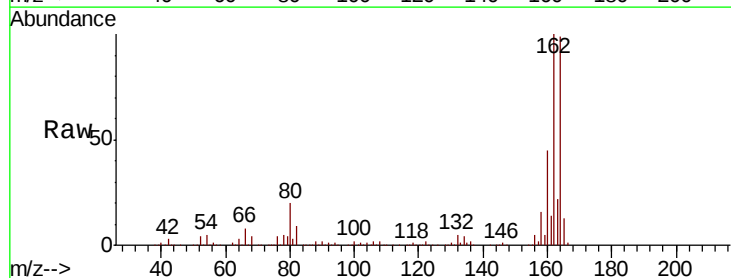


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

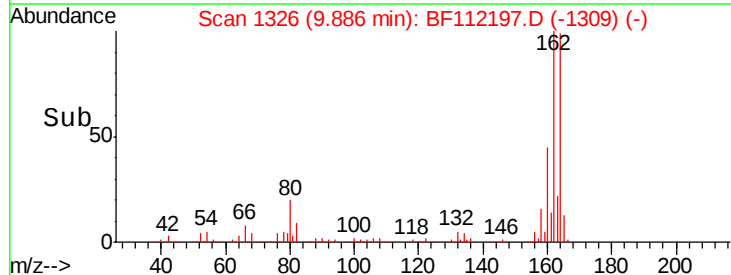
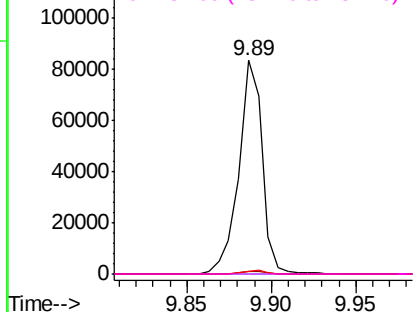


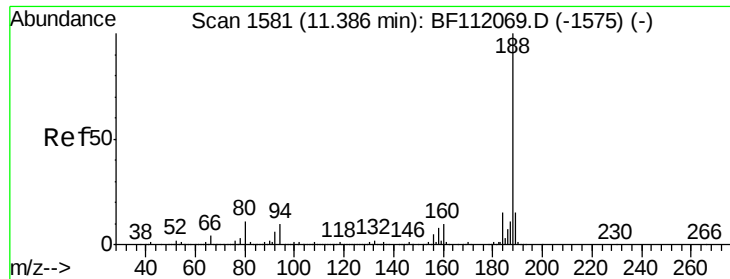
#57
 2,4-Dinitrotoluene
 Concen: 10.844 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF112197.D
 Acq: 23 Jan 2019 13:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.4	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: BF112197.D

Acq: 23 Jan 2019 13:04

Instrument :

BNA_F

ClientSampleId :

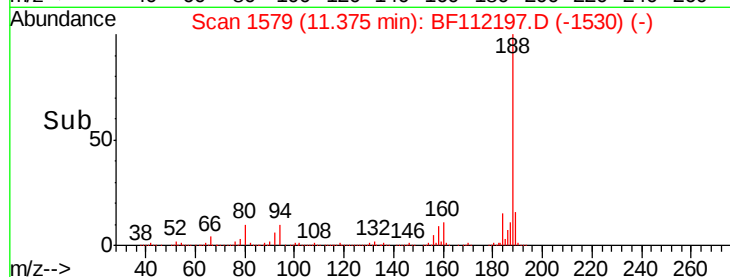
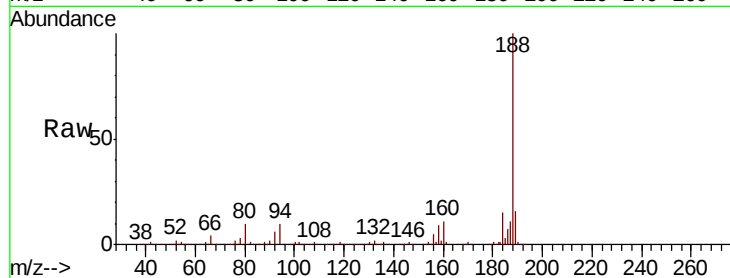
Tot Ion:188 Resp: 1285393

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

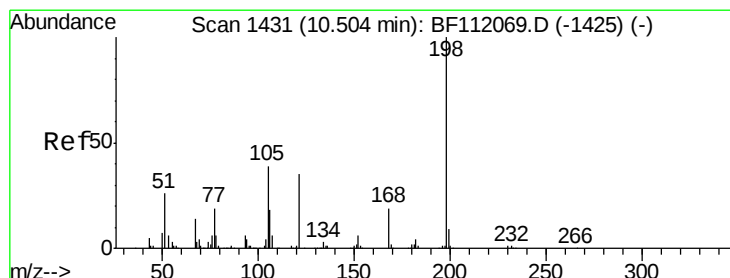
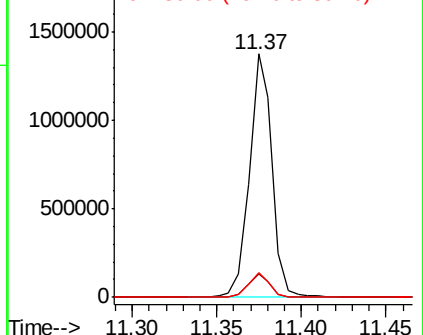
80 10.3 8.9 13.3



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: 10.381 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

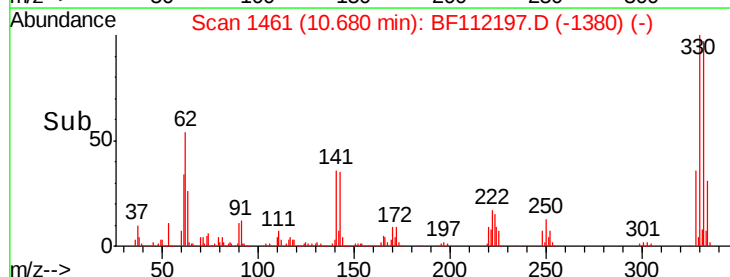
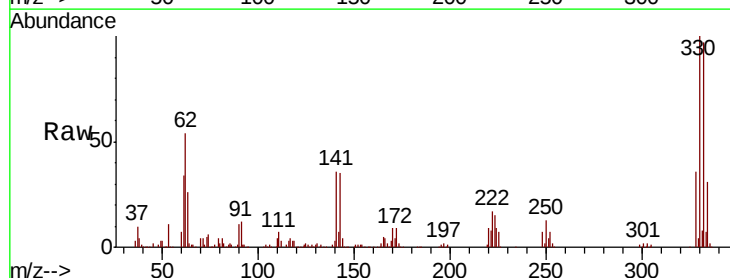
Tgt Ion:198 Resp: 2111

Ion Ratio Lower Upper

198 100

51 129.3 17.2 57.2#

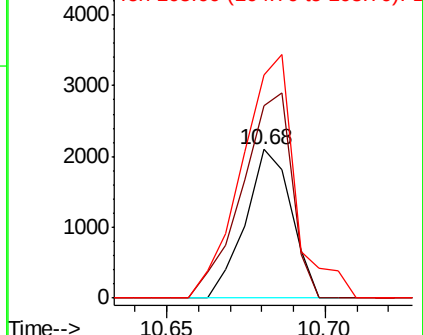
105 150.3 21.9 61.9#

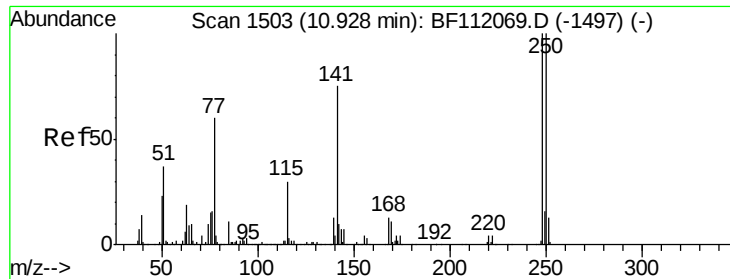


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

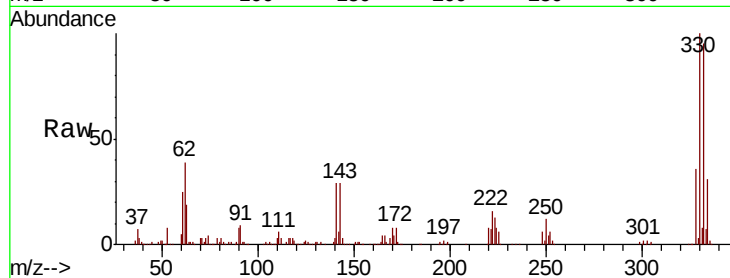




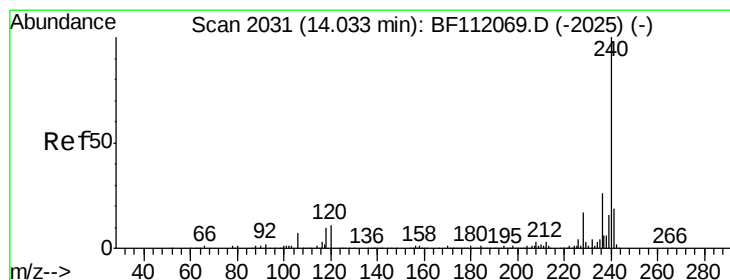
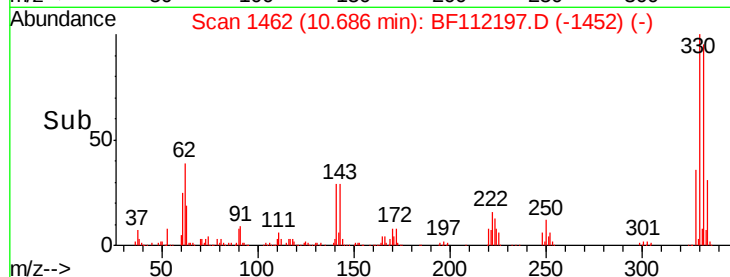
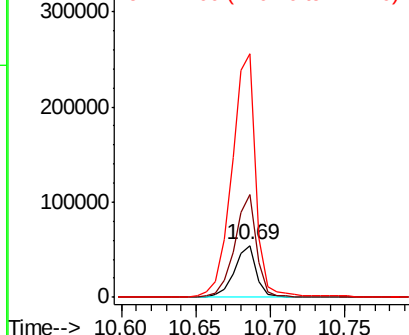
#67
 4-Bromophenyl-phenylether
 Concen: 3.852 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF112197.D
 Acq: 23 Jan 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 57511
 Ion Ratio Lower Upper
 248 100
 250 196.0 79.7 119.5#
 141 465.9 60.3 90.5#

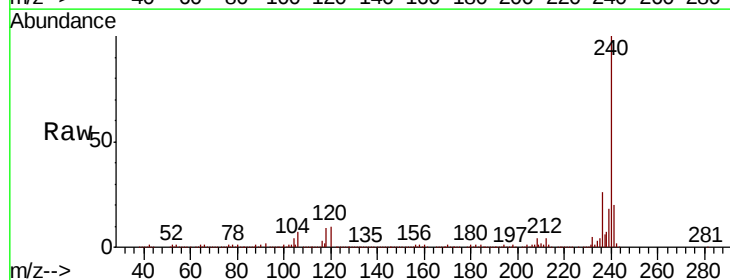


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

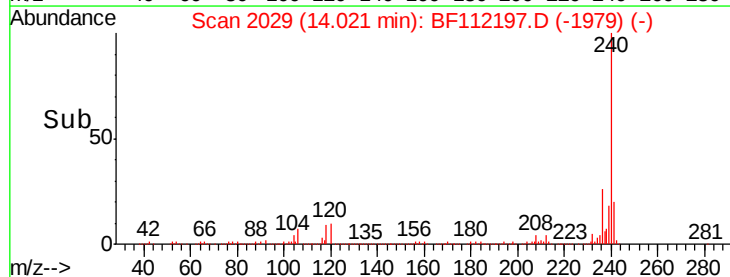
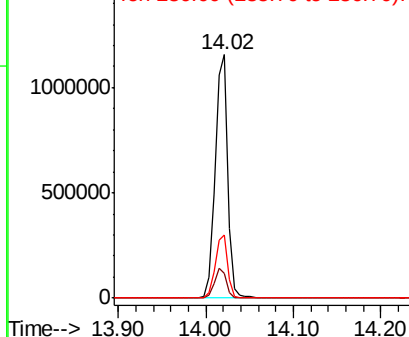


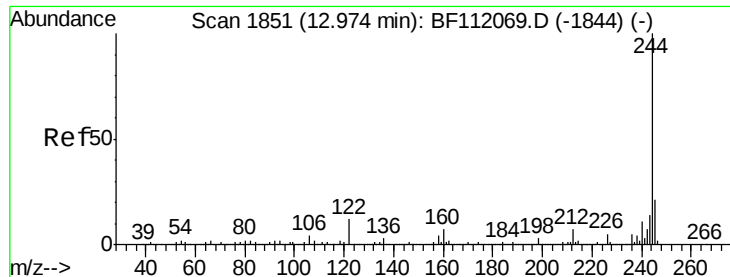
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112197.D
 Acq: 23 Jan 2019 13:04

Tgt Ion:240 Resp: 1144152
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.0 13.6
 236 25.9 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: 69.667 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF112197.D

Acq: 23 Jan 2019 13:04

Instrument :

BNA_F

ClientSampleId :

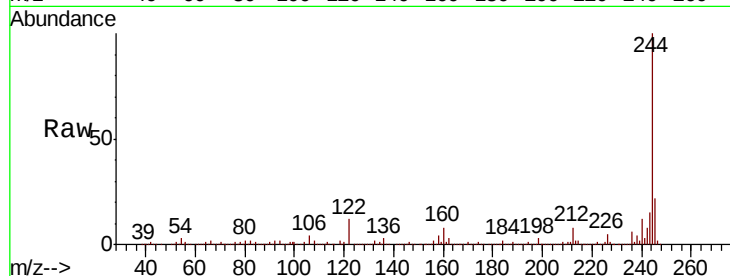
Tot Ion:244 Resp: 3746873

Ion Ratio Lower Upper

244 100

212 8.1 5.9 8.9

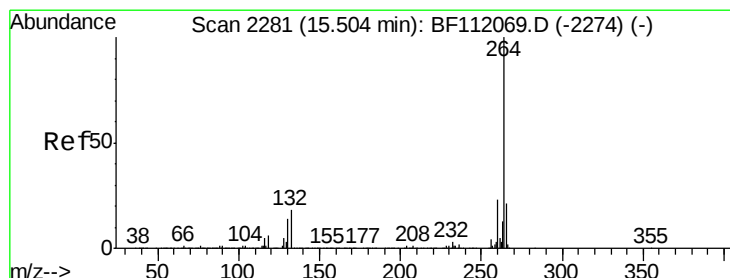
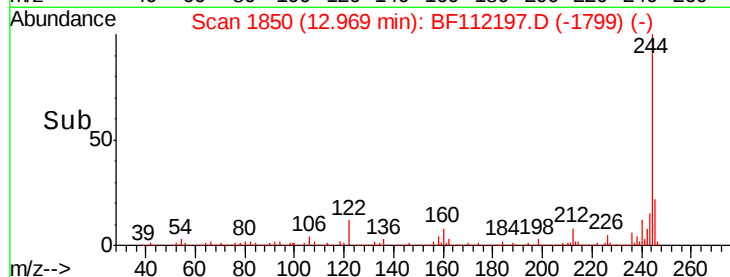
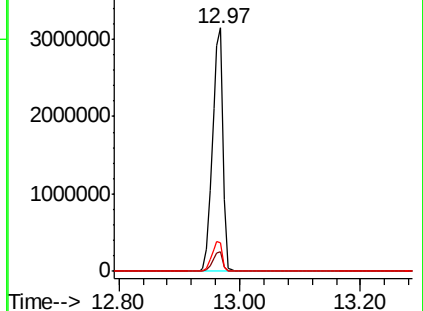
122 11.6 9.8 14.6



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: BF112197.D

Acq: 23 Jan 2019 13:04

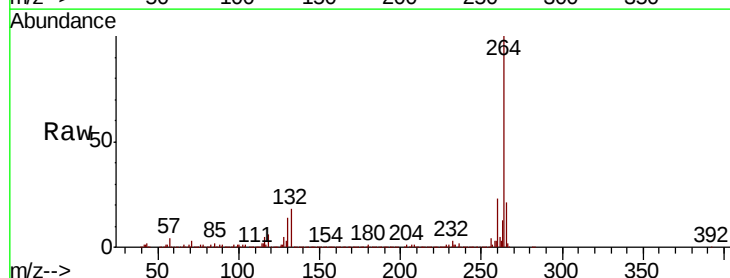
Tgt Ion:264 Resp: 1009581

Ion Ratio Lower Upper

264 100

260 23.0 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

