

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112081.D
 Acq On : 17 Jan 2019 11:36
 Operator : JU/SJ
 Sample : K1010-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-011519-B

Quant Time: Jan 17 12:21:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

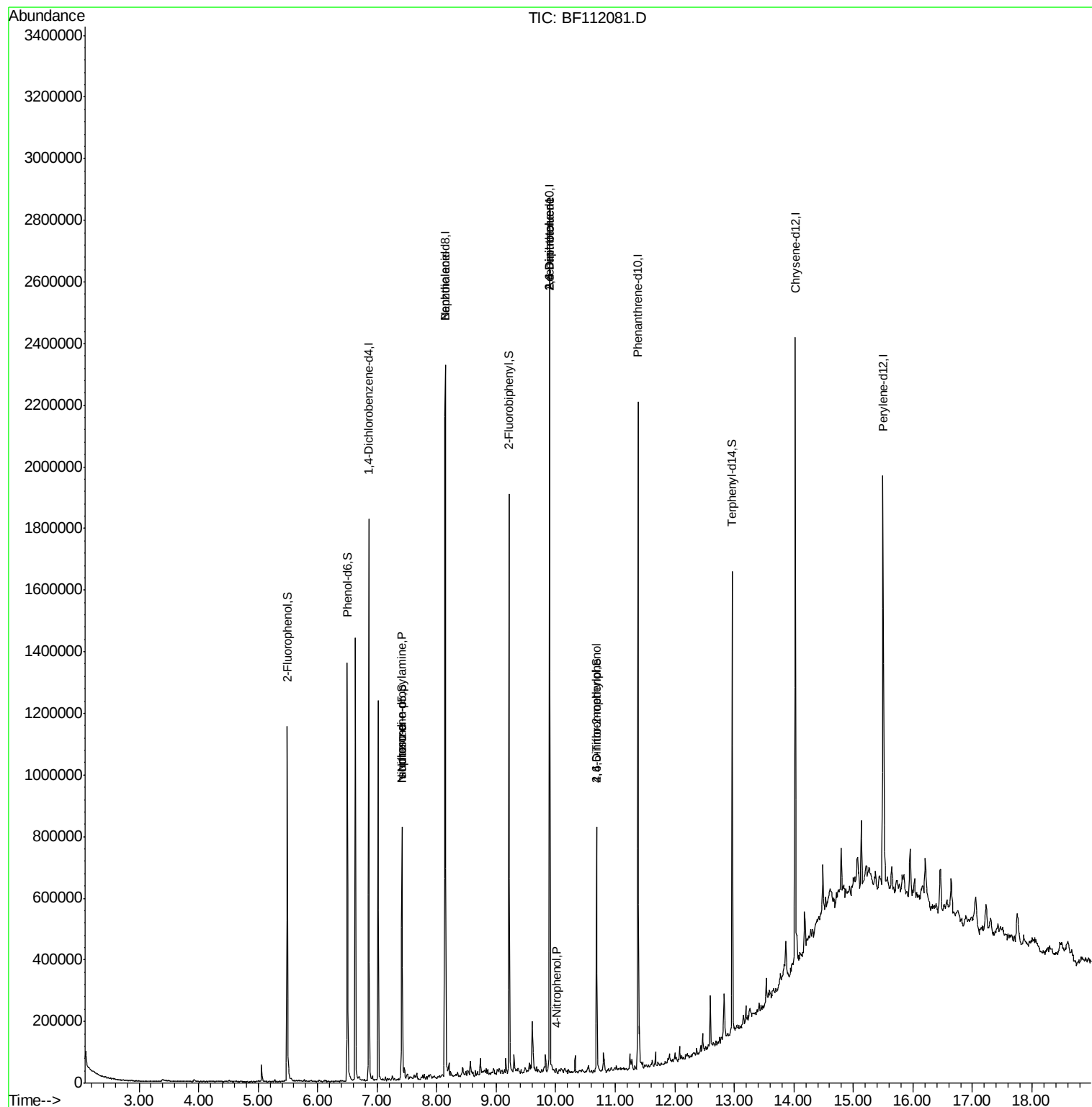
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	281922	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1083892	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	505162	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	829541	20.00	ng	0.00
76) Chrysene-d12	14.02	240	693780	20.00	ng	-0.01
87) Perylene-d12	15.50	264	625748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	329875	21.24	ng	0.00
7) Phenol-d6	6.50	99	426766	21.96	ng	-0.01
23) Nitrobenzene-d5	7.42	82	234270	14.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	101614	18.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	558202	16.20	ng	0.00
79) Terphenyl-d14	12.96	244	464631	14.25	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.50	77	1278	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	33018	2.789 ng	#	79
25) Isophorone	7.42	82	231419	7.637 ng	#	64
32) Benzoic acid	8.14	122	285	7.216 ng	#	1
51) 2,6-Dinitrotoluene	9.90	165	66714	9.068 ng	#	34
56) 4-Nitrophenol	10.03	139	225	5.690 ng	#	1
57) 2,4-Dinitrotoluene	9.90	165	66714	10.971 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.69	198	125	10.098 ng	#	1

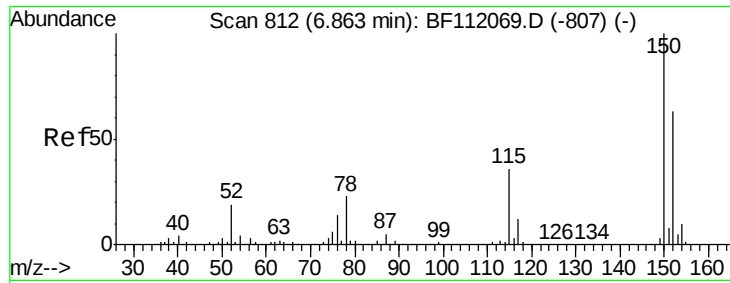
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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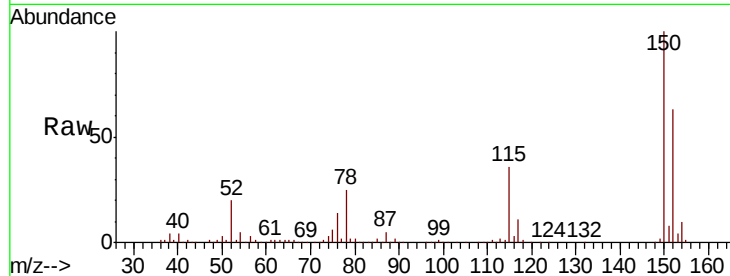


#1

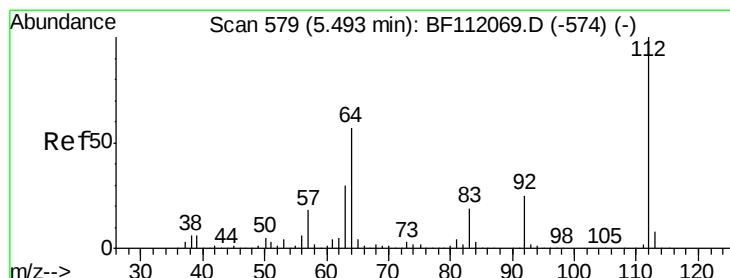
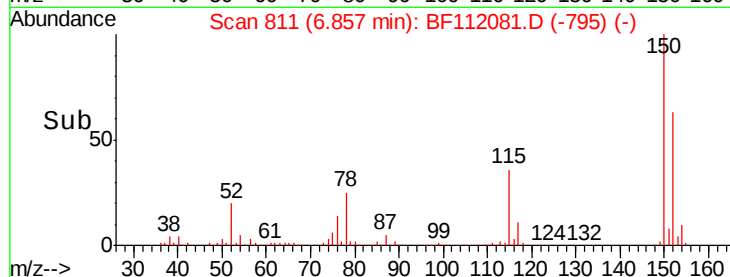
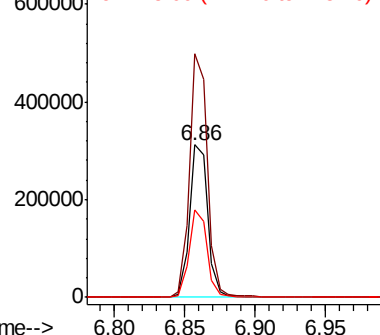
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Instrument :
BNA_F
ClientSampleId :
OK-01-011519-B

Tot Ion:152 Resp: 281922
Ion Ratio Lower Upper
152 100
150 160.0 127.4 191.0
115 57.6 45.5 68.3



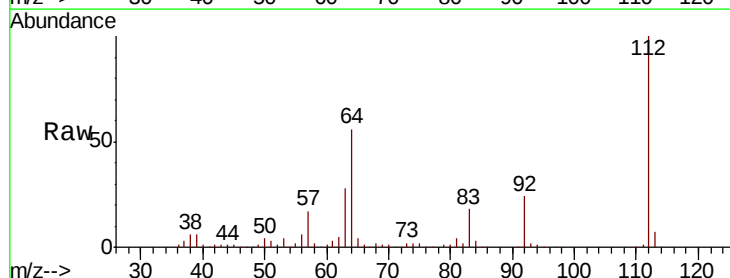
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



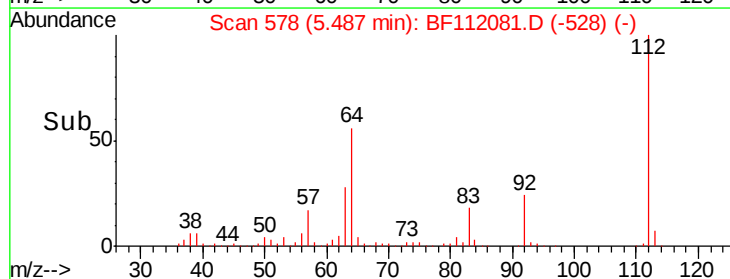
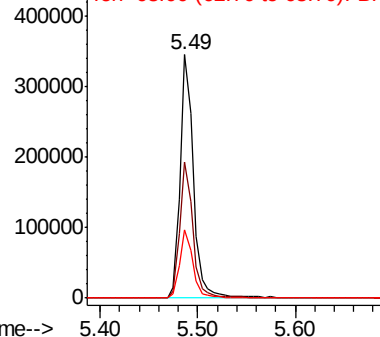
#5

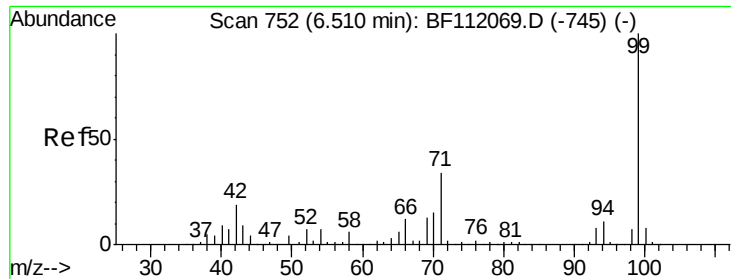
2-Fluorophenol
Concen: 21.238 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Tgt Ion:112 Resp: 329875
Ion Ratio Lower Upper
112 100
64 56.1 45.7 68.5
63 28.3 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: 21.960 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

Instrument :

BNA_F

ClientSampleId :

OK-01-011519-B

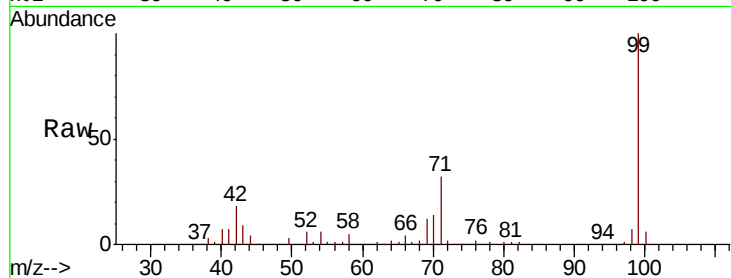
Tot Ion: 99 Resp: 426766

Ion Ratio Lower Upper

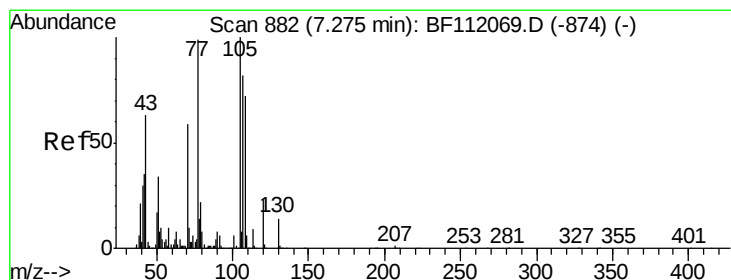
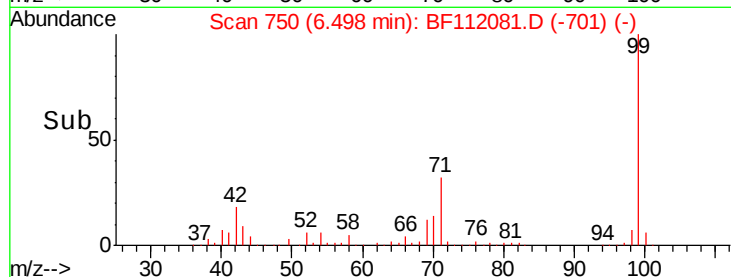
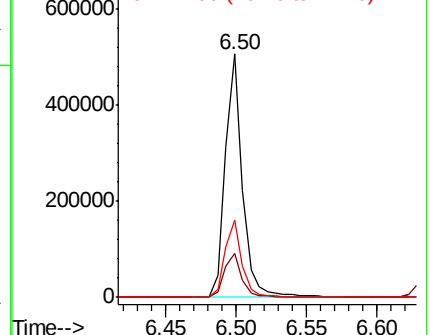
99 100

42 17.8 15.1 22.7

71 31.8 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: 2.789 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

Tgt Ion: 70 Resp: 33018

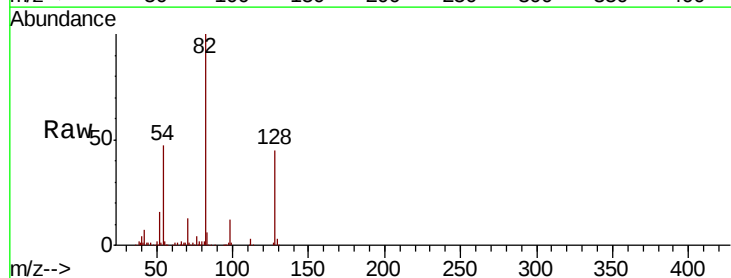
Ion Ratio Lower Upper

70 100

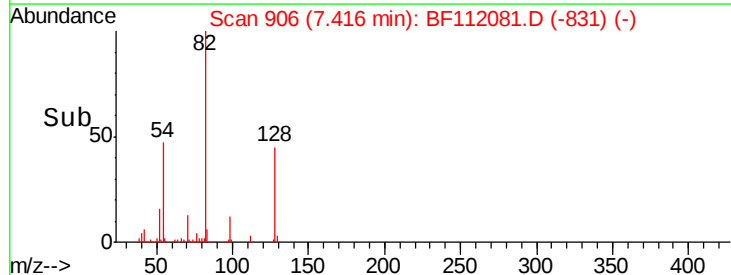
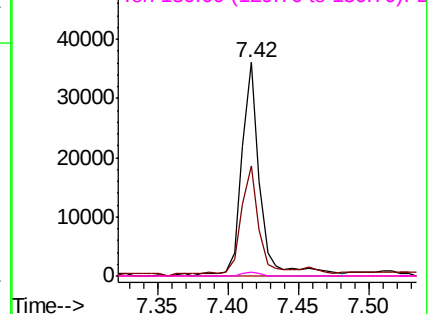
42 51.3 47.6 71.4

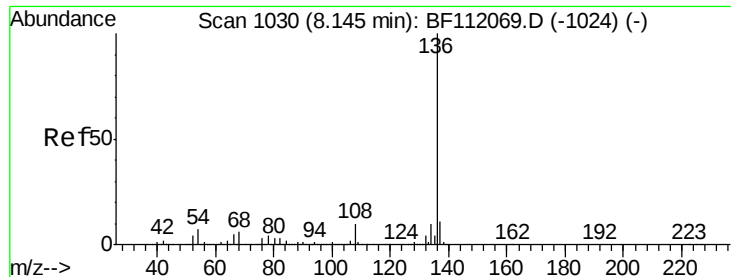
101 0.0 7.9 11.9#

130 2.1 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: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

Instrument :

BNA_F

ClientSampleId :

OK-01-011519-B

Tot Ion:136 Resp: 1083892

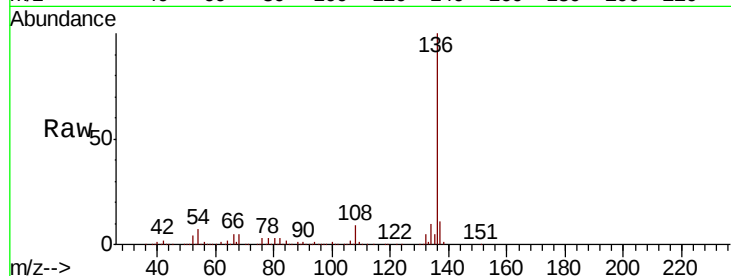
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.6 5.9 8.9

68 5.4 5.1 7.7

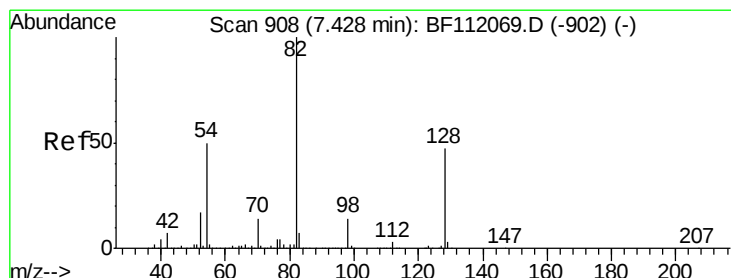
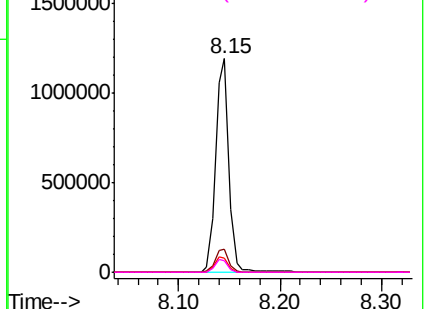
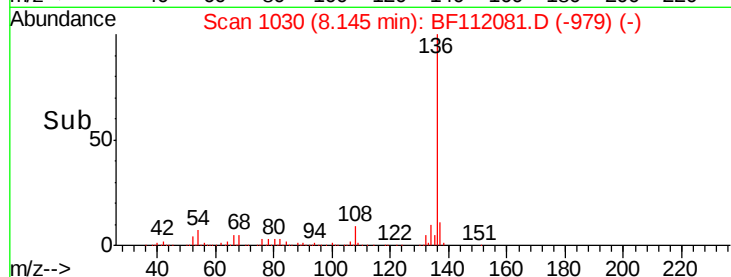


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.933 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

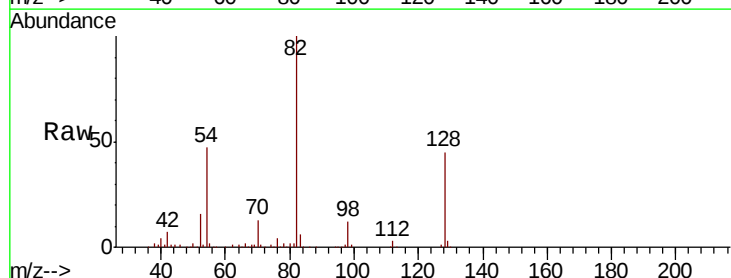
Tgt Ion: 82 Resp: 234270

Ion Ratio Lower Upper

82 100

128 44.9 37.8 56.8

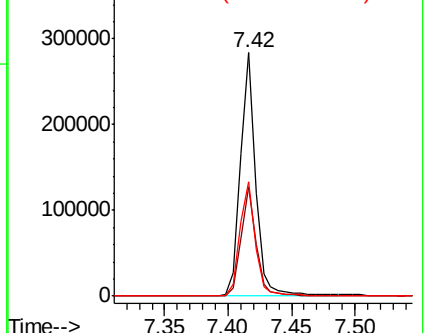
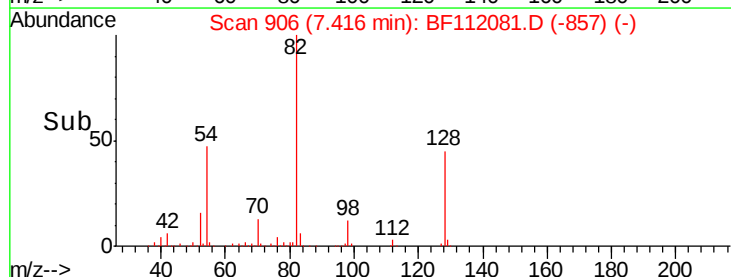
54 46.9 39.7 59.5

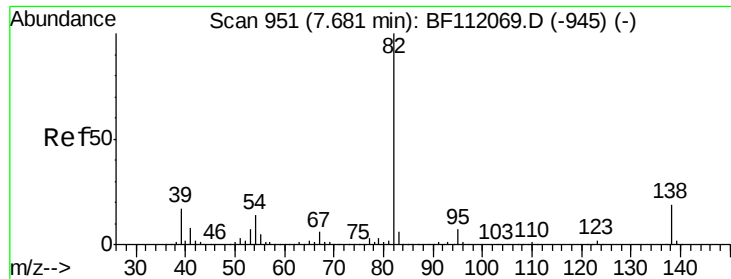


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

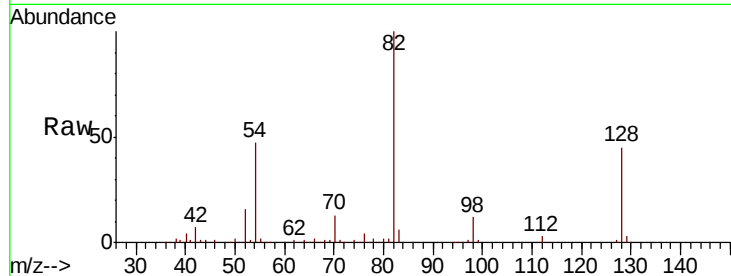




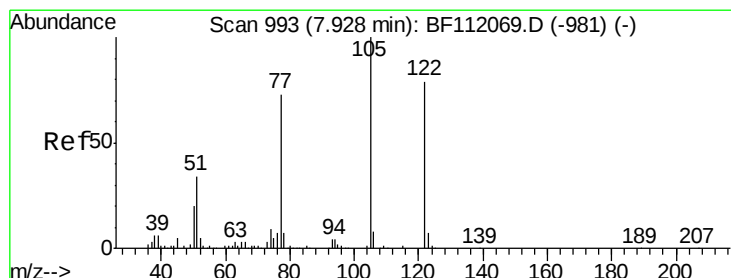
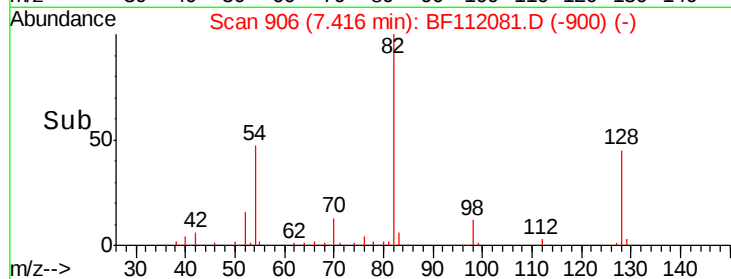
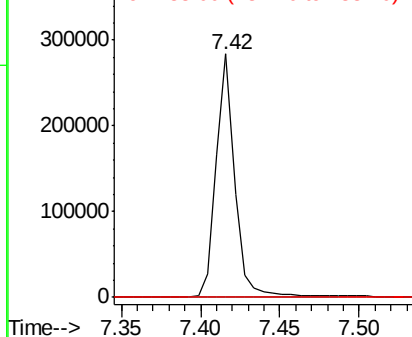
#25
Isophorone
Concen: 7.637 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Instrument :
BNA_F
ClientSampleId :
OK-01-011519-B

Tot Ion: 82 Resp: 231419
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 15.4 23.0#

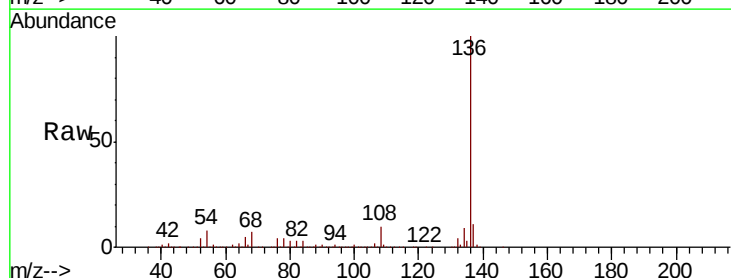


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

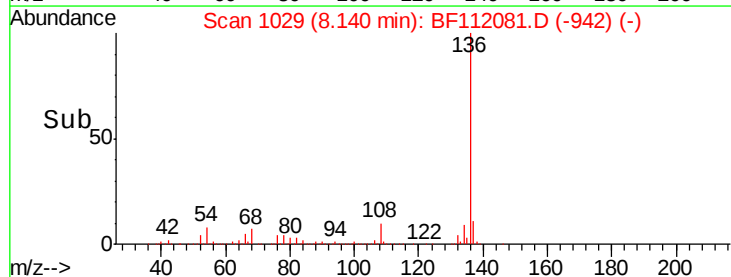
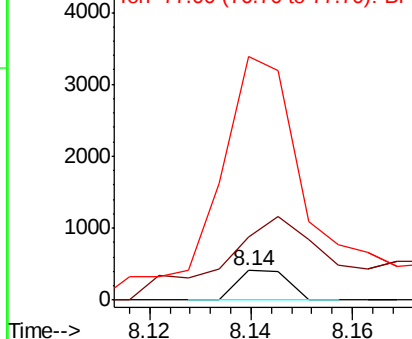


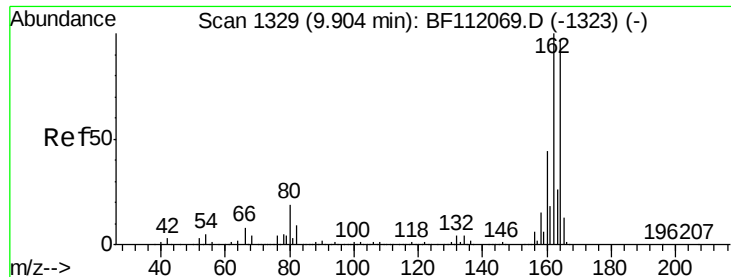
#32
Benzoic acid
Concen: 7.216 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.21 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Tgt Ion:122 Resp: 285
Ion Ratio Lower Upper
122 100
105 211.4 101.2 141.2#
77 823.4 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

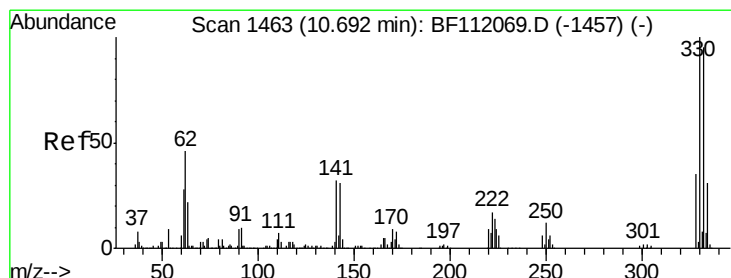
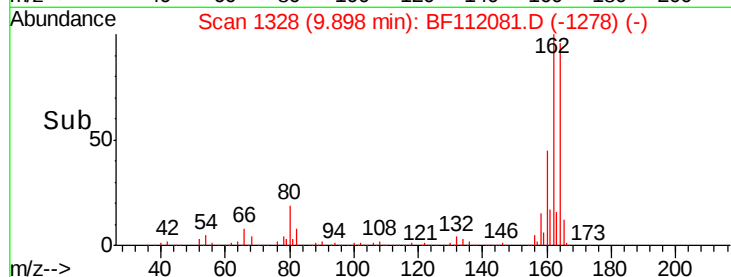
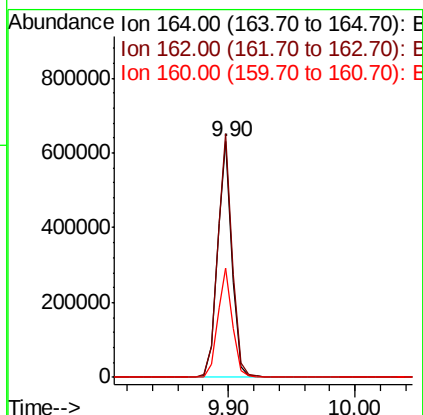
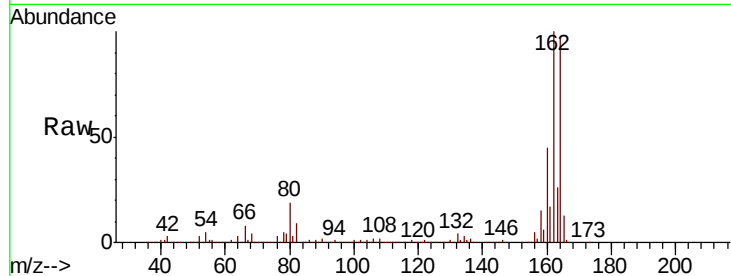




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

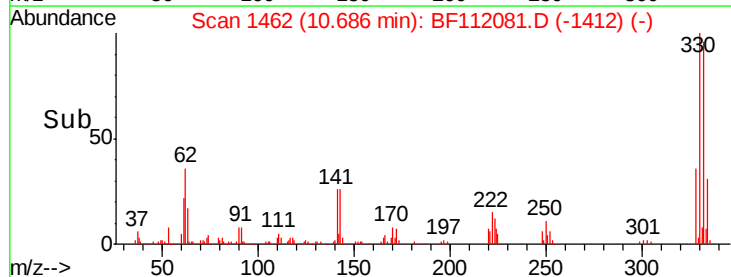
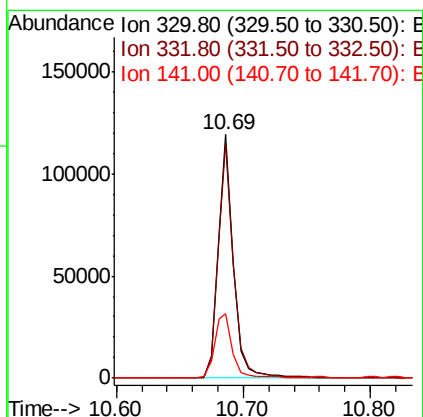
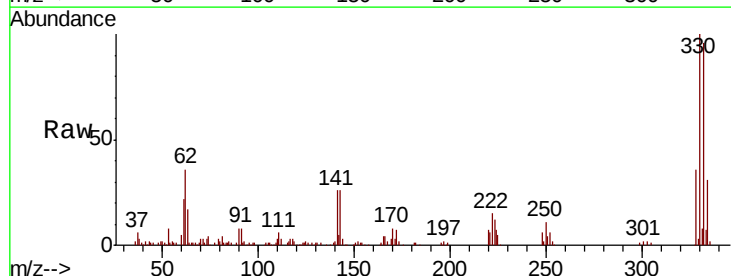
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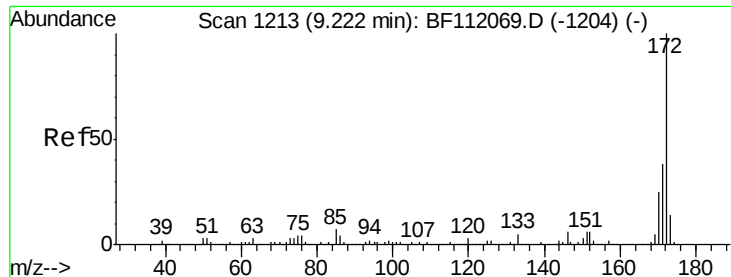
Tot Ion:164 Resp: 505162
Ion Ratio Lower Upper
164 100
162 103.4 82.2 123.4
160 46.6 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 18.646 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Tgt Ion:330 Resp: 101614
Ion Ratio Lower Upper
330 100
332 98.5 76.6 114.8
141 32.1 24.3 36.5

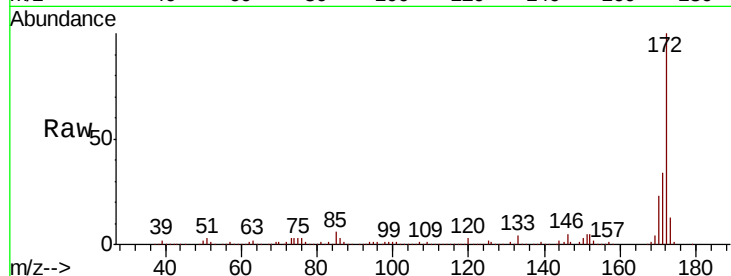




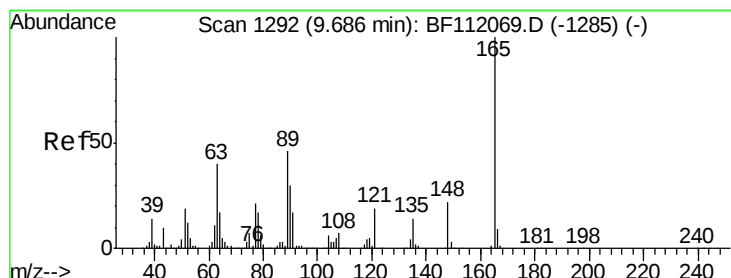
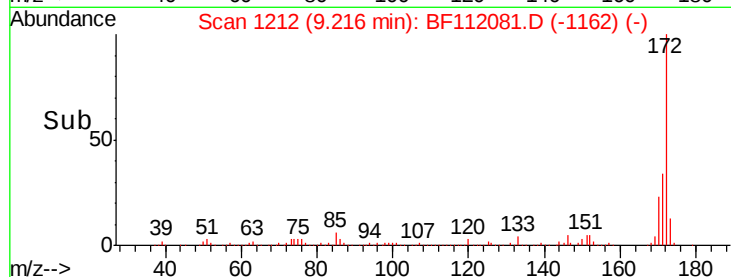
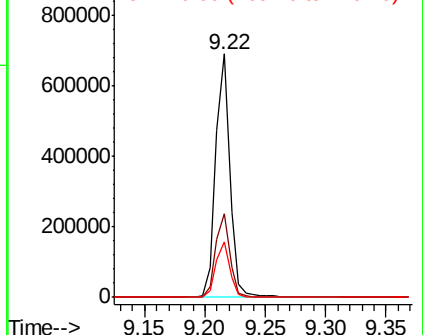
#45
 2-Fluorobiphenyl
 Concen: 16.200 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112081.D
 Acq: 17 Jan 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-011519-B

Tot Ion:172 Resp: 558202
 Ion Ratio Lower Upper
 172 100
 171 34.4 30.5 45.7
 170 22.8 20.2 30.4

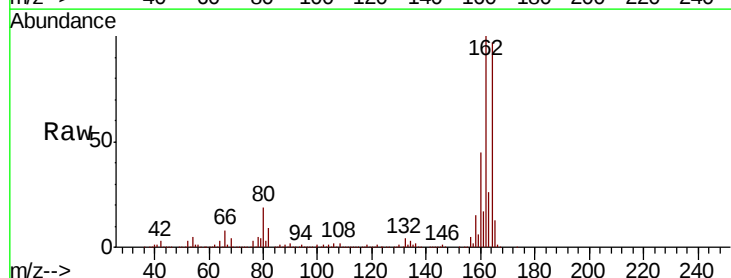


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

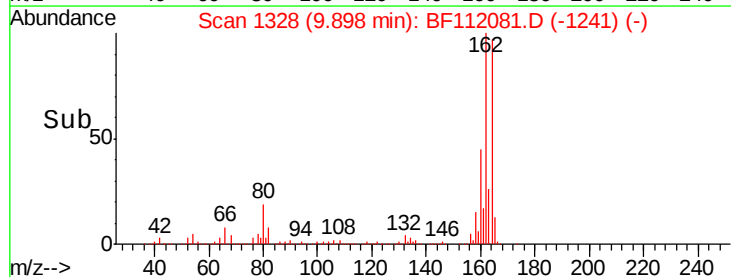
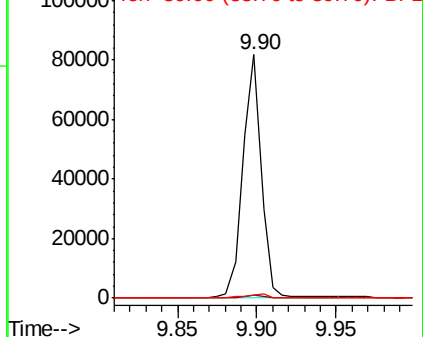


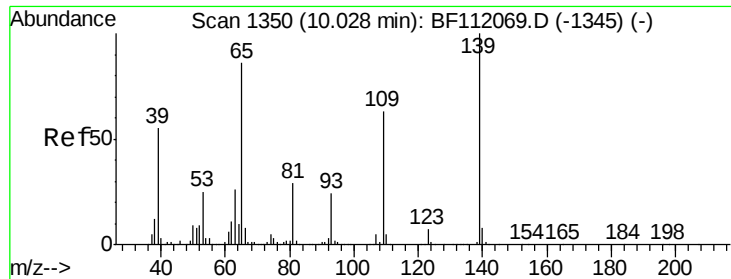
#51
 2,6-Dinitrotoluene
 Concen: 9.068 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF112081.D
 Acq: 17 Jan 2019 11:36

Tgt Ion:165 Resp: 66714
 Ion Ratio Lower Upper
 165 100
 63 1.3 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

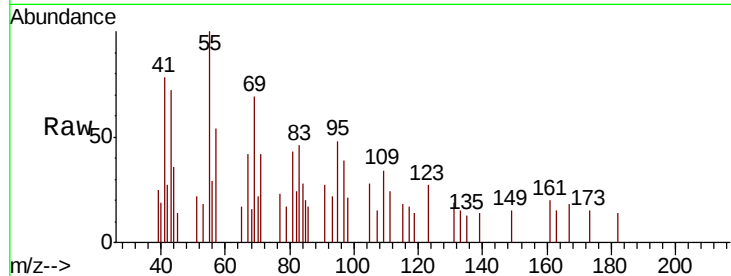




#56
4-Nitrophenol
Concen: 5.690 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Instrument :
BNA_F
ClientSampleId :
OK-01-011519-B

Tot Ion	Ratio	Lower	Upper
139	100		
109	234.1	42.8	82.8#
65	116.7	66.1	106.1#

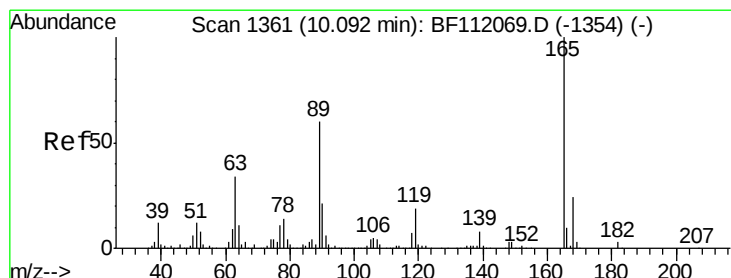
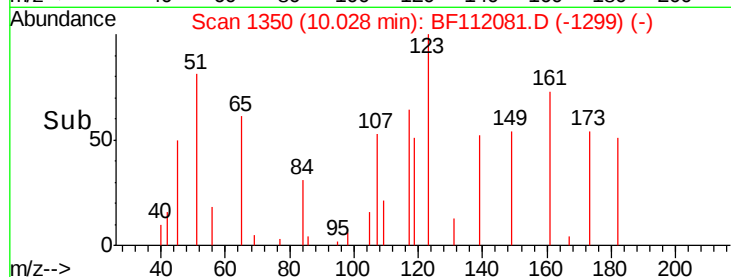
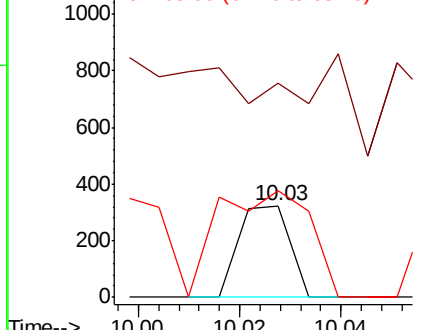


Abundance

Ion 139.00 (138.70 to 139.70): E

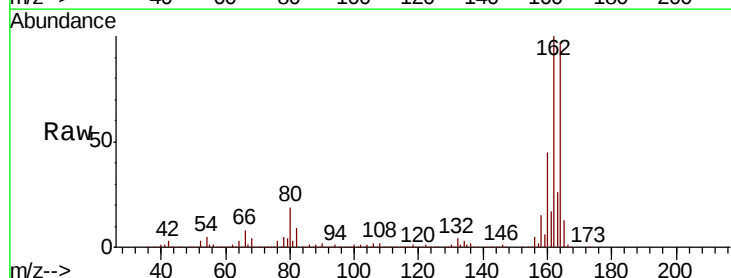
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 10.971 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112081.D
Acq: 17 Jan 2019 11:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.4	47.9	71.9#
182	0.0	2.2	3.4#



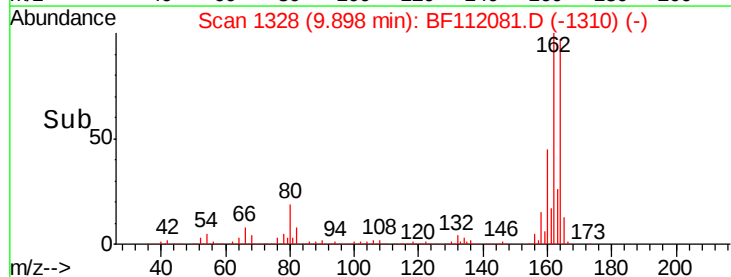
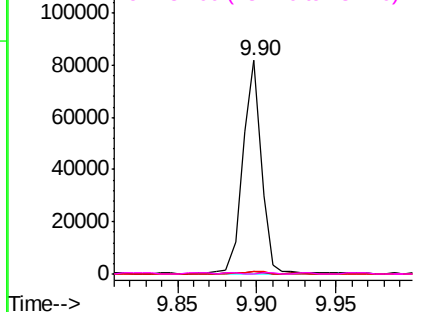
Abundance

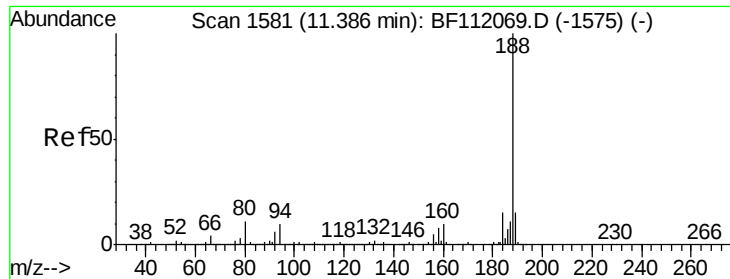
Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

Instrument :

BNA_F

ClientSampleId :

OK-01-011519-B

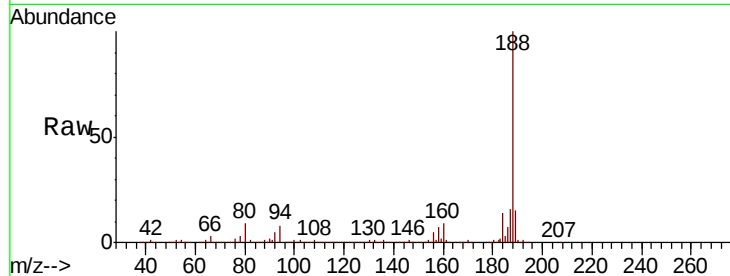
Tot Ion:188 Resp: 829541

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

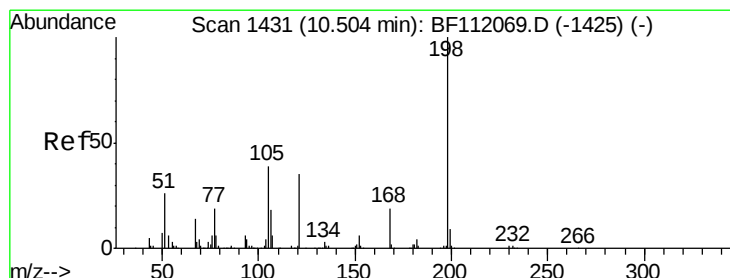
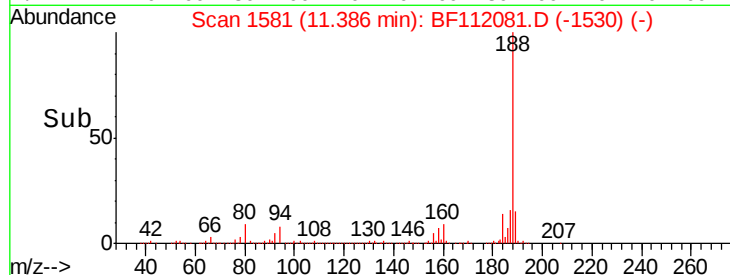
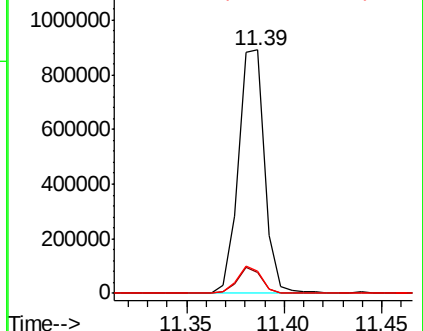
80 9.0 8.9 13.3



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: 10.098 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

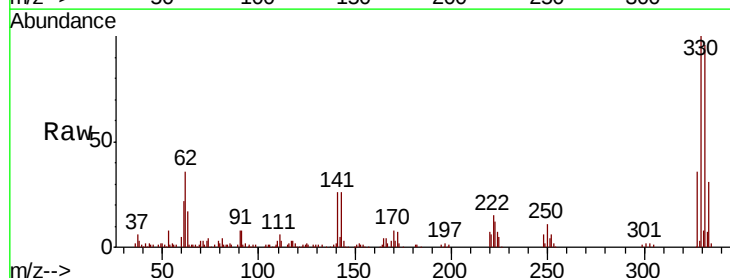
Tgt Ion:198 Resp: 125

Ion Ratio Lower Upper

198 100

51 240.8 17.2 57.2#

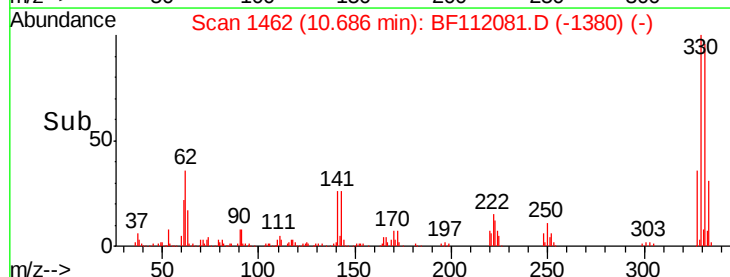
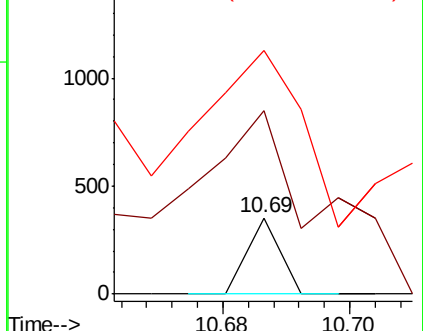
105 319.3 21.9 61.9#

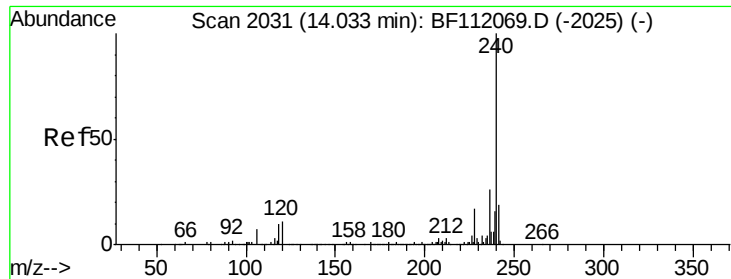


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

Instrument :

BNA_F

ClientSampleId :

OK-01-011519-B

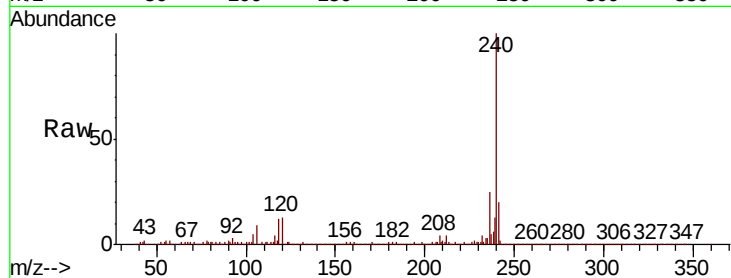
Tot Ion:240 Resp: 693780

Ion Ratio Lower Upper

240 100

120 13.3 9.0 13.6

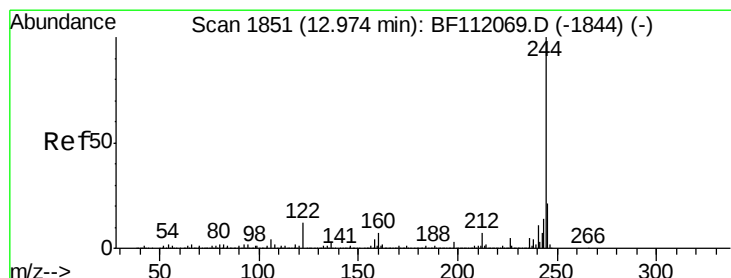
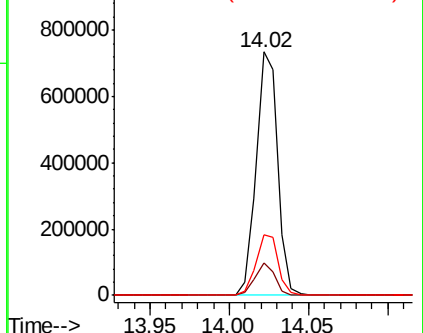
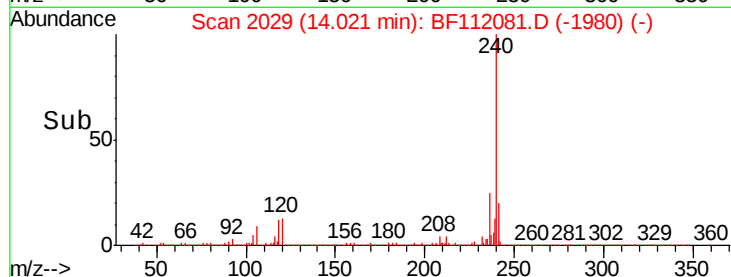
236 24.7 20.7 31.1



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: 14.247 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112081.D

Acq: 17 Jan 2019 11:36

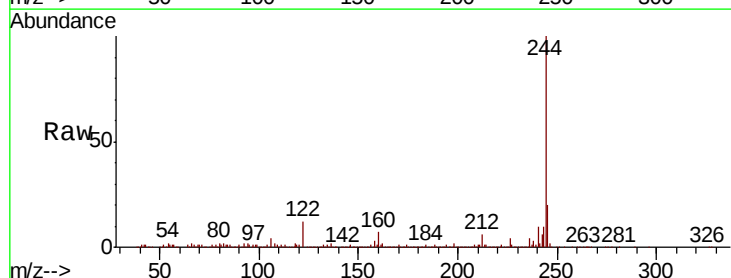
Tgt Ion:244 Resp: 464631

Ion Ratio Lower Upper

244 100

212 6.0 5.9 8.9

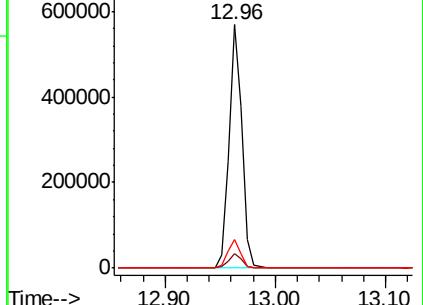
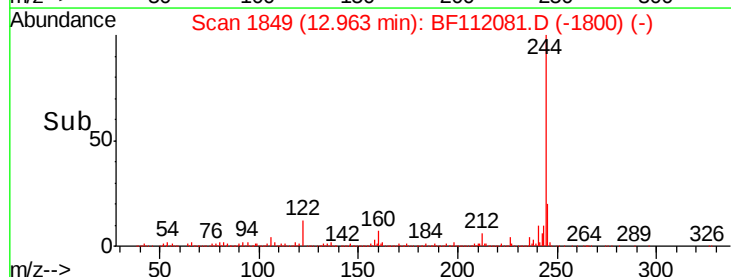
122 12.0 9.8 14.6

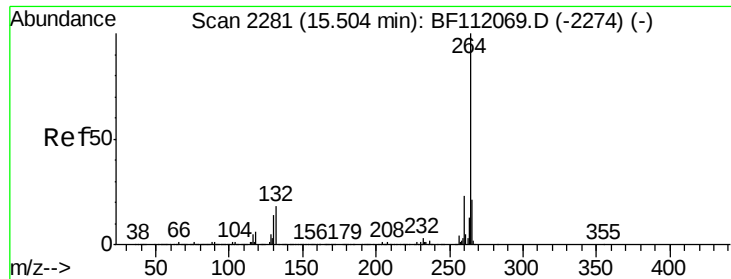


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF112081.D
 Acq: 17 Jan 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-011519-B

Tot Ion: 264 Resp: 625748
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 21.8 17.0 25.4

