

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108334.D
 Acq On : 21 Aug 2018 13:03
 Operator : JU/SJ
 Sample : J4521-12RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11975

Quant Time: Aug 21 13:44:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

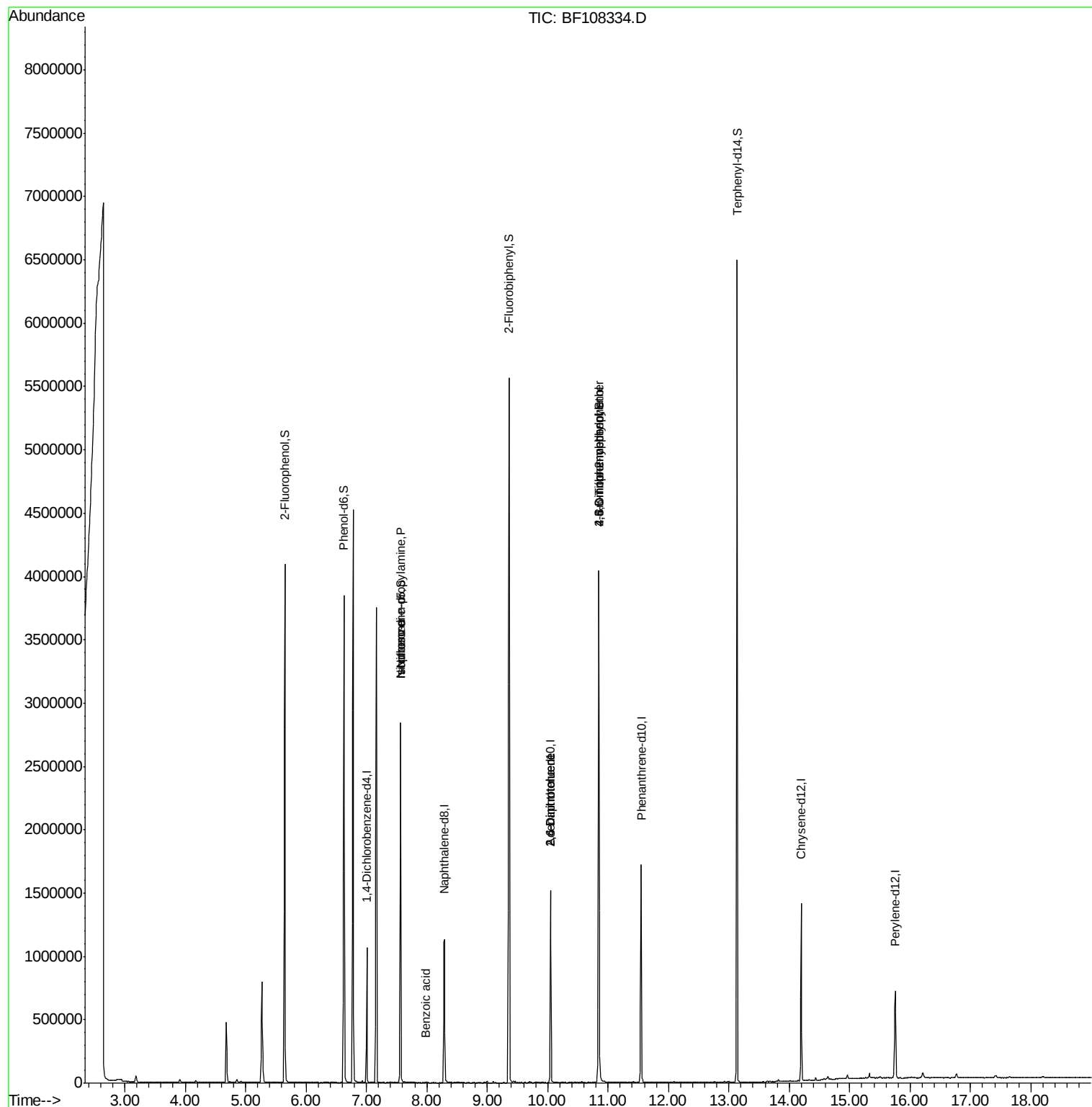
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	153214	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	575921	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	302551	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	646950	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	511693	20.00	ng	-0.02
86) Perylene-d12	15.75	264	334294	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1111663	131.36	ng	0.02
7) Phenol-d6	6.63	99	1352413	120.26	ng	0.00
23) Nitrobenzene-d5	7.57	82	1109209	107.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.85	330	531207	176.02	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1989755	105.59	ng	-0.02
78) Terphenyl-d14	13.14	244	2459980	122.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	150004	19.725	ng	# 83
25) Isophorone	7.57	82	1105841	56.214	ng	# 64
32) Benzoic acid	7.98	122	421	6.047	ng	# 56
50) 2,6-Dinitrotoluene	10.05	165	38527	8.738	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	38527	6.788	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1209	5.801	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	35027	4.982	ng	# 1

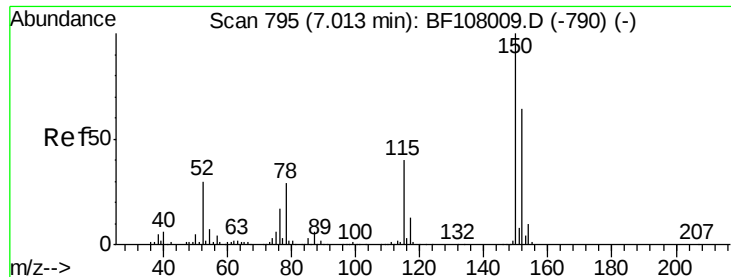
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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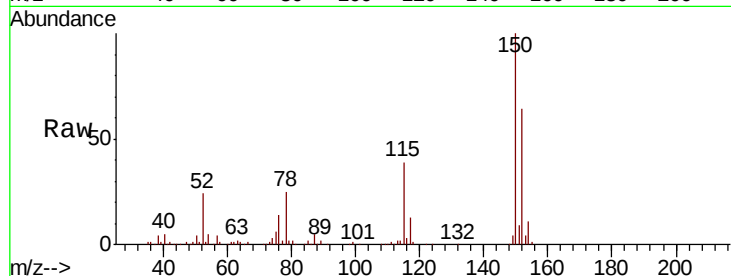


#1

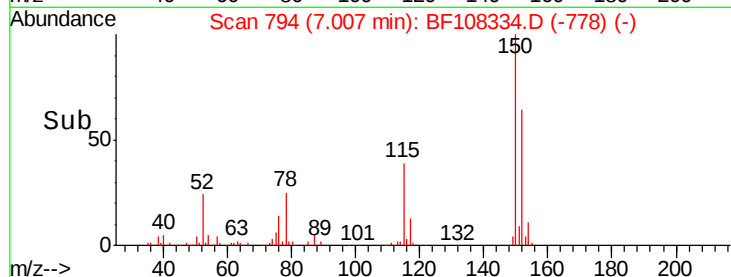
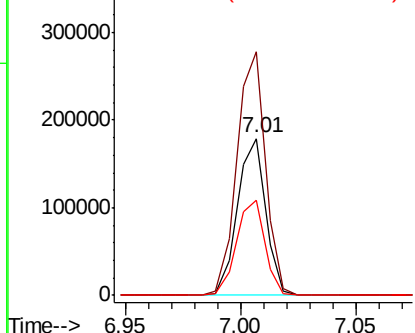
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	60.4	50.1	75.1



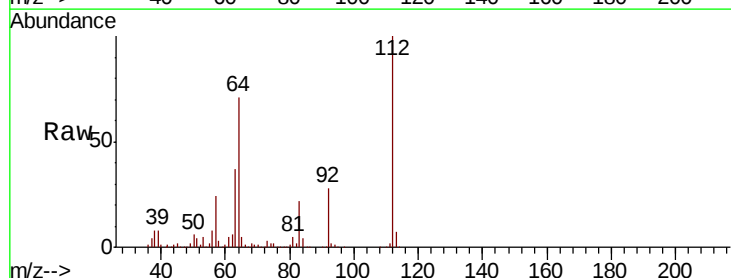
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



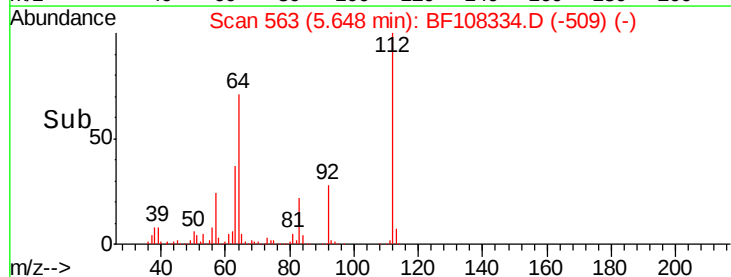
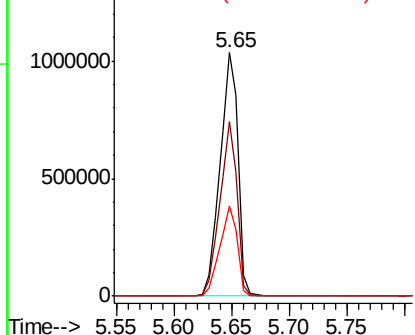
#5

2-Fluorophenol
Concen: 131.360 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	37.1	23.7	35.5



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: 120.259 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Instrument :

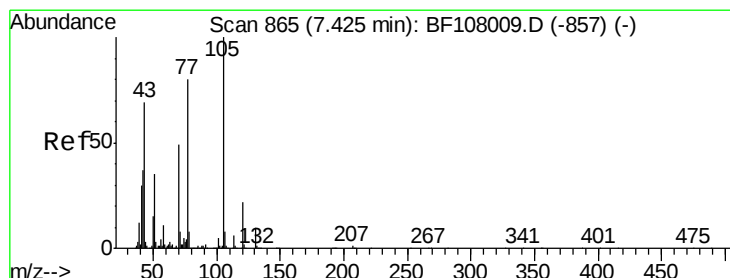
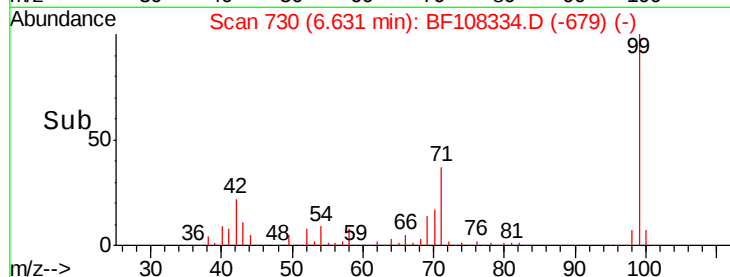
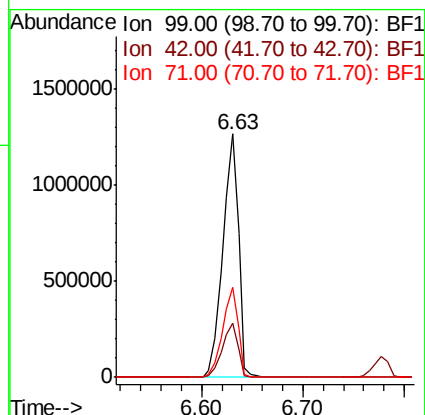
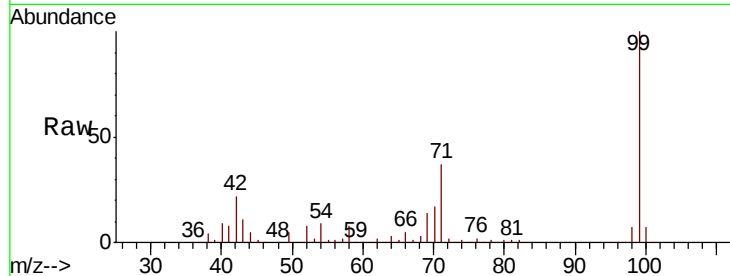
BNA_F

ClientSampleId :

72-11975

Tot Ion: 99 Resp: 1352413

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	36.8	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 19.725 ng

RT: 7.57 min Scan# 889

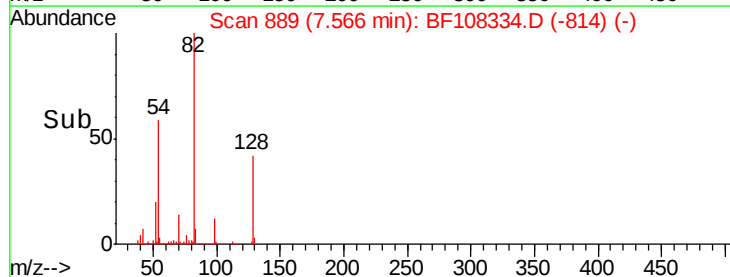
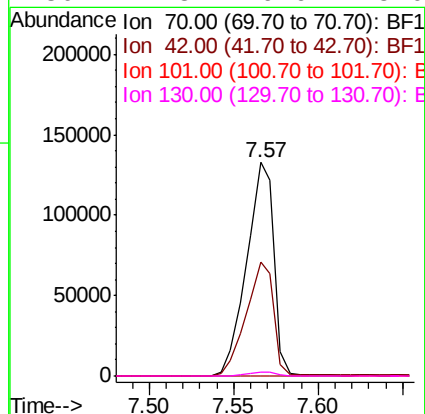
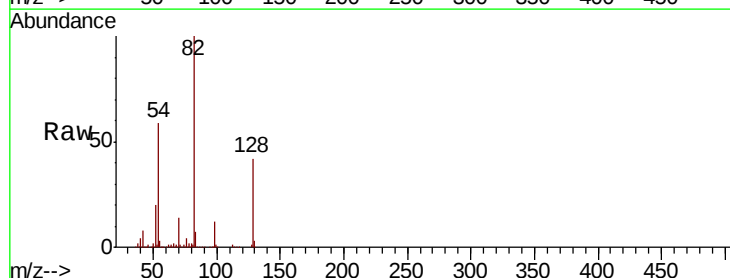
Delta R.T. 0.14 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Tgt Ion: 70 Resp: 150004

Ion	Ratio	Lower	Upper
70	100		
42	53.5	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#

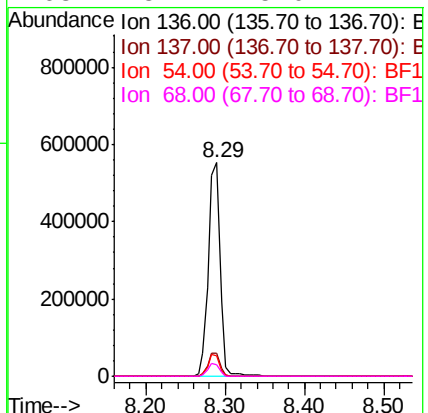
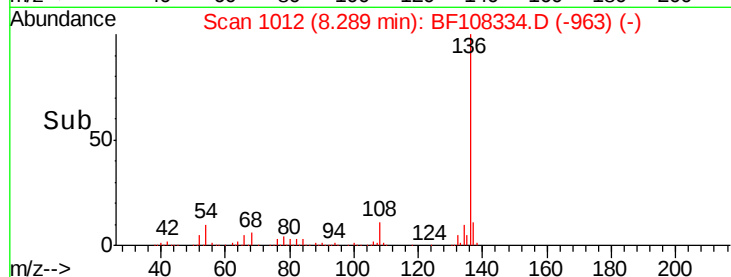
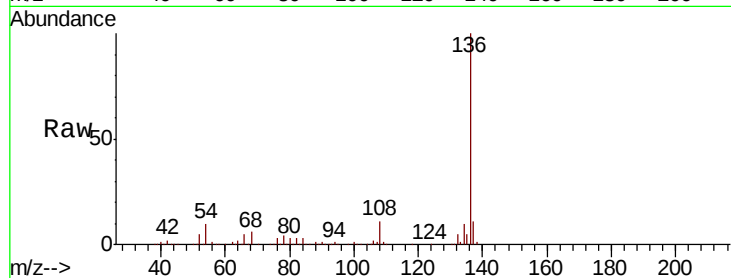




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

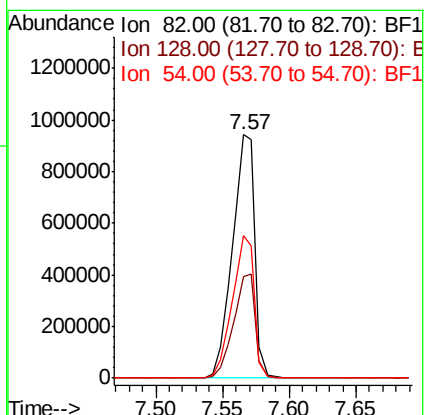
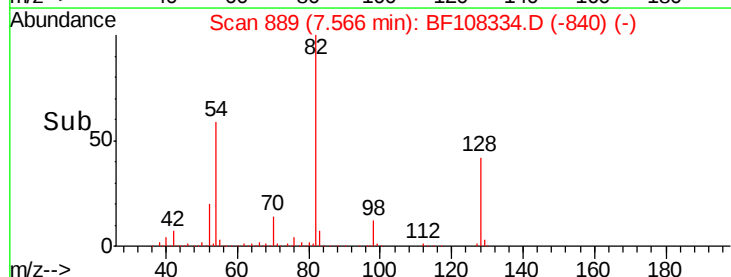
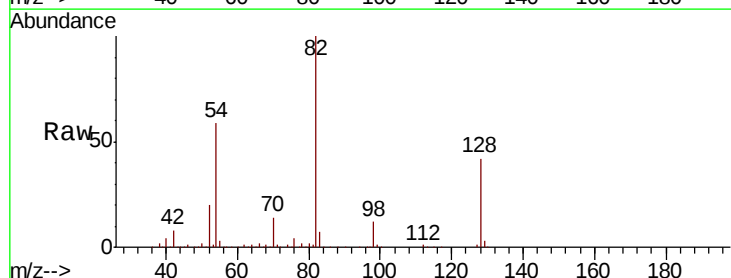
Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion:136	Resp:	575921	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.9	13.3	
54 9.7	6.6	9.8	
68 5.7	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 107.472 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

Tgt Ion: 82	Resp: 1109209
Ion Ratio	Lower Upper
82 100	
128 41.6	36.1 54.1
54 58.7	41.4 62.2





#25

Isophorone

Concen: 56.214 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Instrument :

BNA_F

ClientSampleId :

72-11975

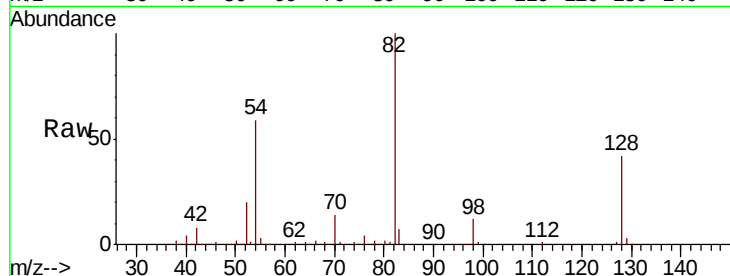
Tot Ion: 82 Resp: 1105841

Ion Ratio Lower Upper

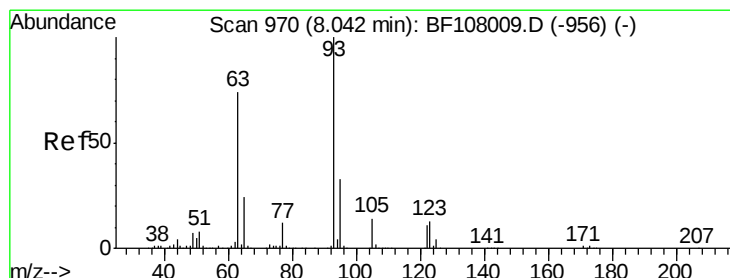
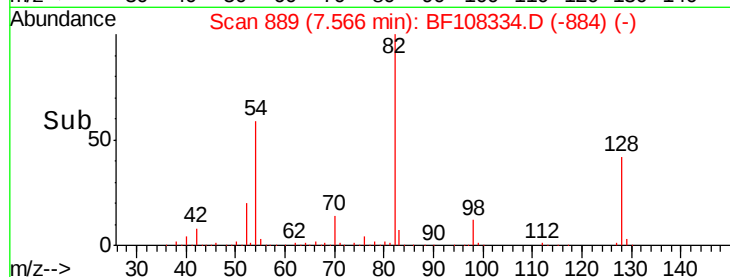
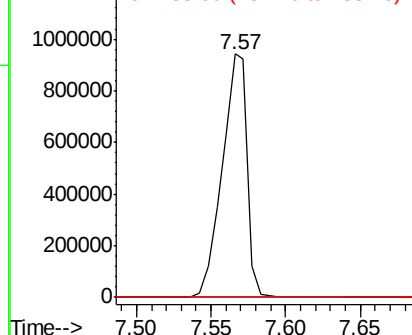
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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: 6.047 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.06 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

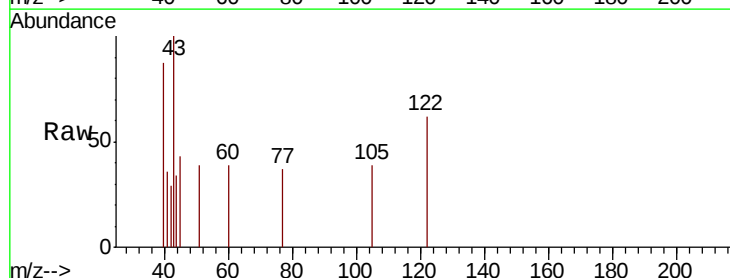
Tgt Ion: 122 Resp: 421

Ion Ratio Lower Upper

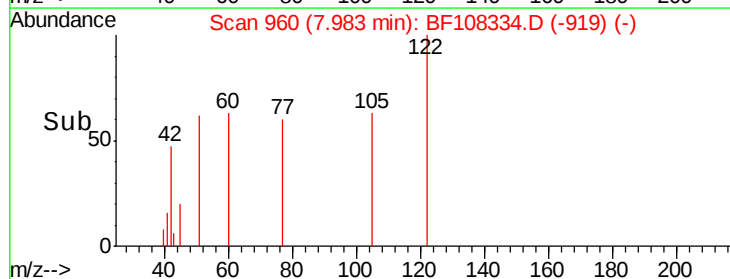
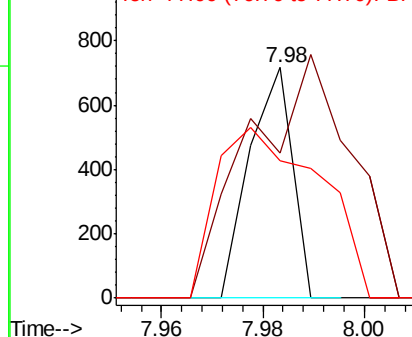
122 100

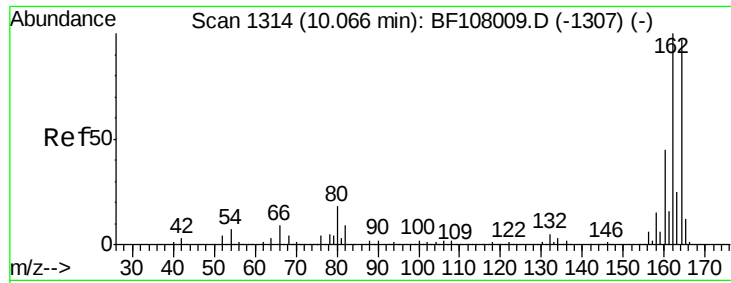
105 62.9 101.1 141.1#

77 59.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

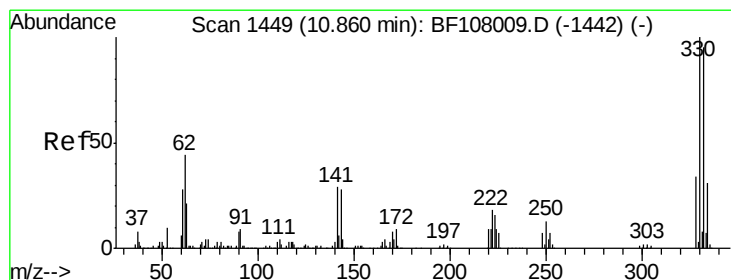
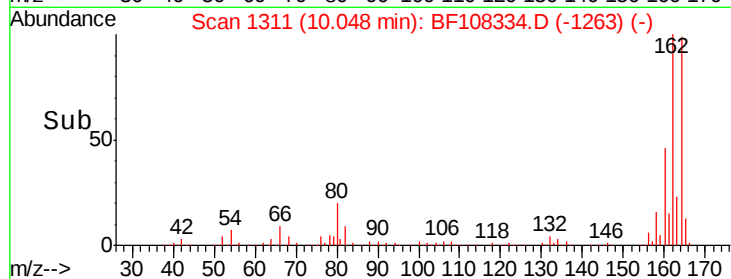
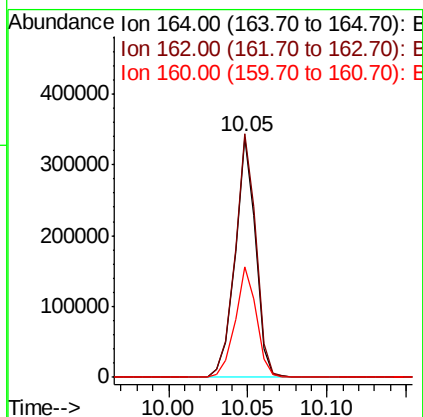
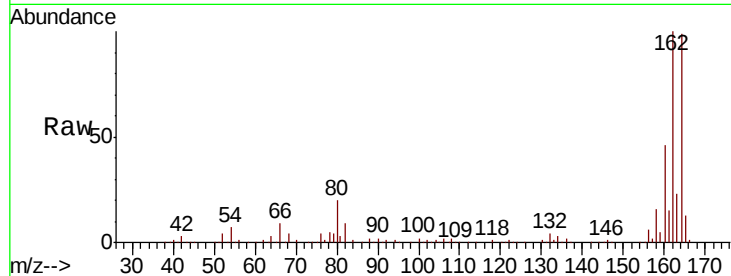




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

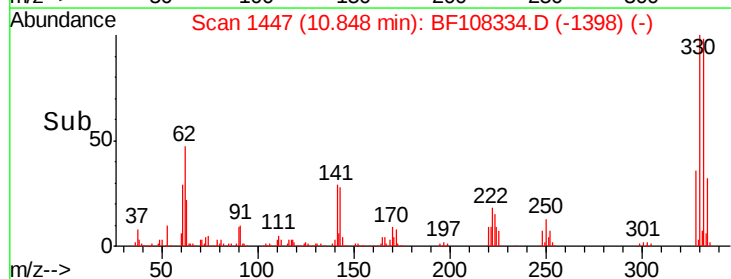
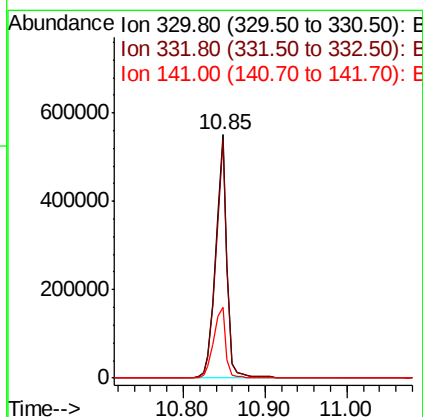
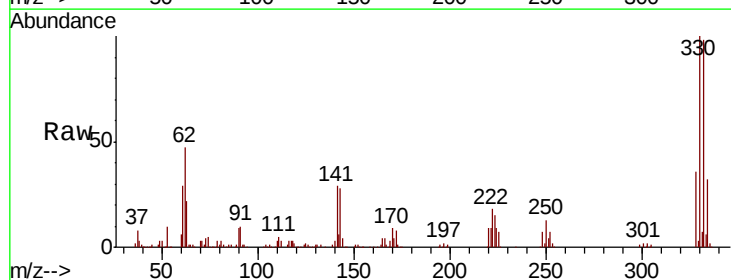
Instrument :
BNA_F
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72-11975

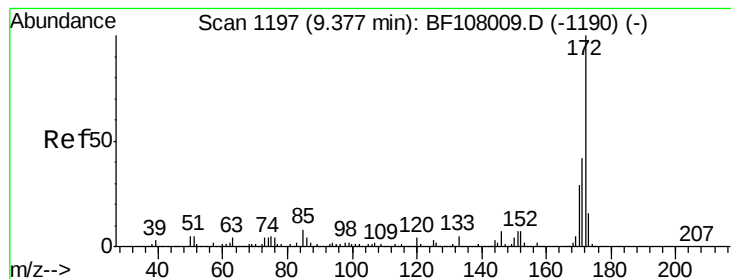
Tot Ion:164 Resp: 302551
Ion Ratio Lower Upper
164 100
162 101.3 86.1 129.1
160 46.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 176.021 ng
RT: 10.85 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

Tgt Ion:330 Resp: 531207
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 31.9 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 105.585 ng

RT: 9.36 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Instrument :

BNA_F

ClientSampleId :

72-11975

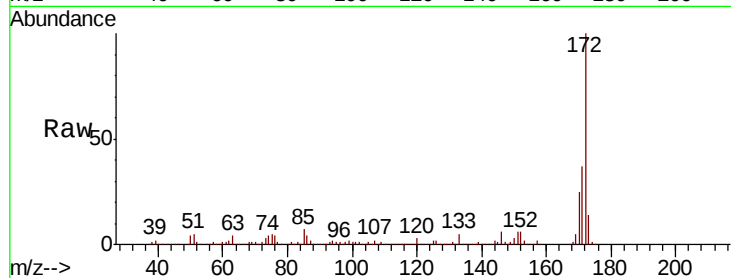
Tot Ion:172 Resp: 1989755

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

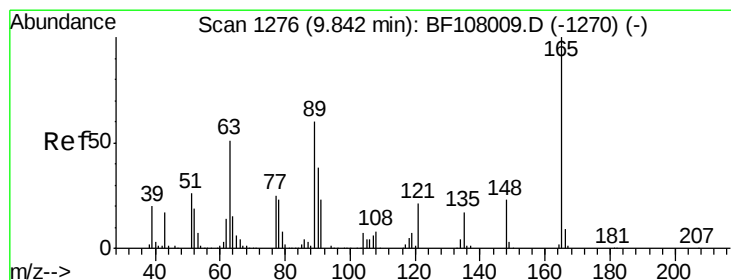
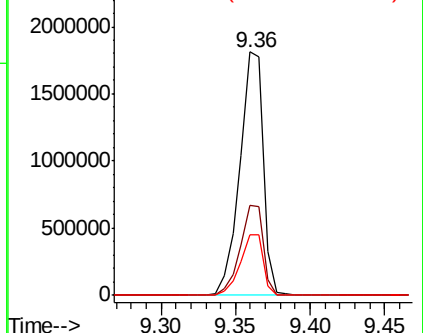
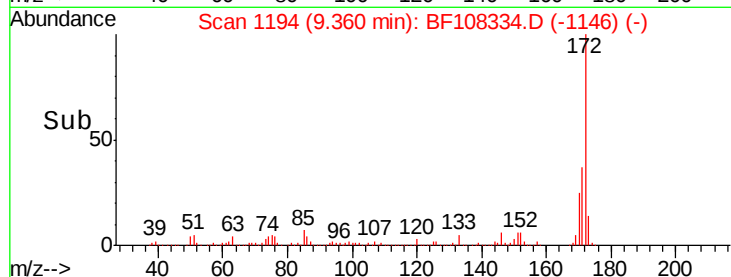
170 25.1 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.738 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.21 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

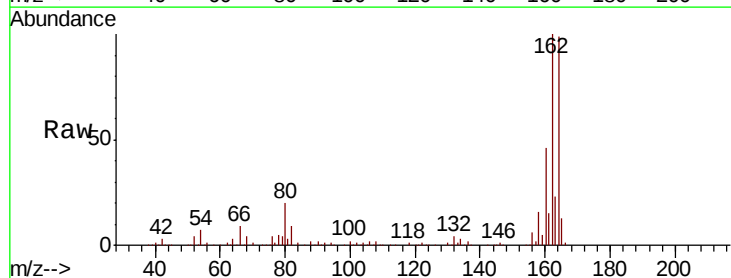
Tgt Ion:165 Resp: 38527

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

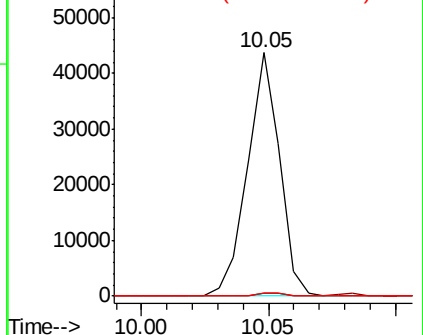
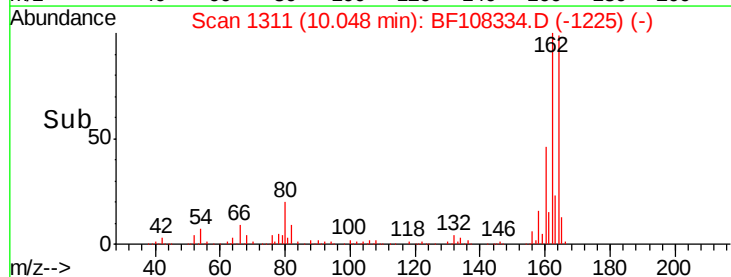
89 1.5 44.0 66.0#



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

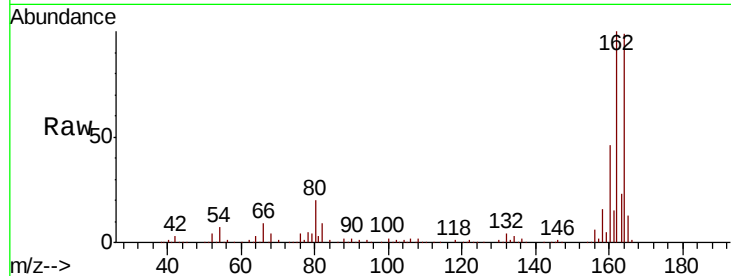




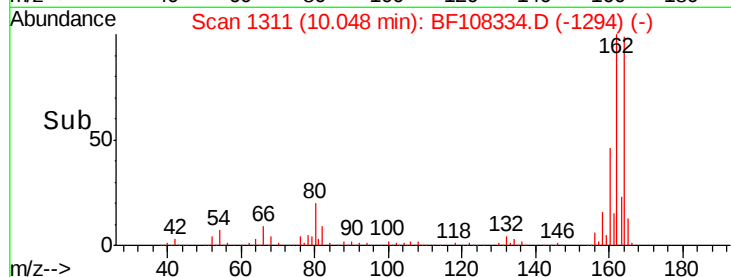
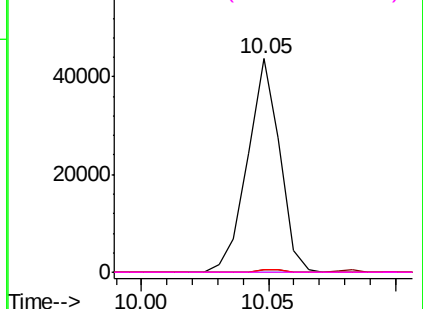
#56
 2,4-Dinitrotoluene
 Concen: 6.788 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108334.D
 Acq: 21 Aug 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :
 72-11975

Tot Ion:165	Resp:	38527
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

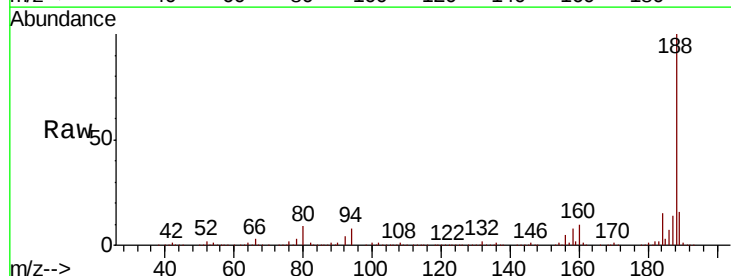


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

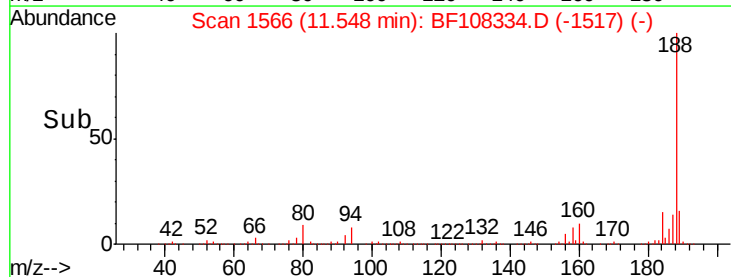
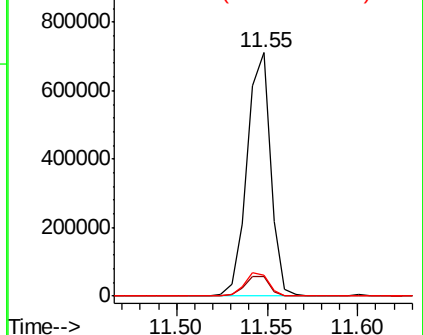


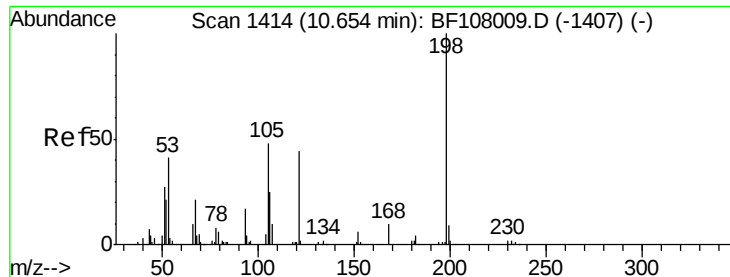
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108334.D
 Acq: 21 Aug 2018 13:03

Tgt Ion:188	Resp:	646950
Ion Ratio	Lower	Upper
188	100	
94	8.0	8.5 12.7#
80	8.6	9.2 13.8#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.801 ng

RT: 10.85 min Scan# 1447

Delta R.T. 0.19 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Instrument :

BNA_F

ClientSampleId :

72-11975

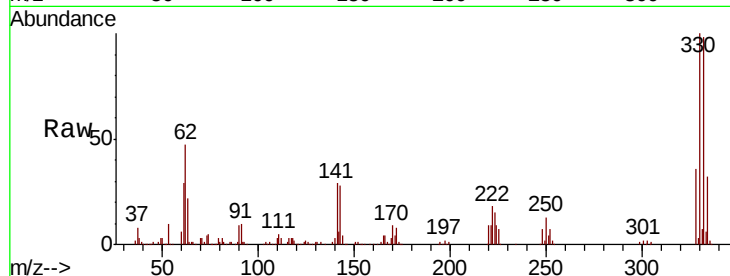
Tot Ion:198 Resp: 1209

Ion Ratio Lower Upper

198 100

51 151.1 37.7 77.7#

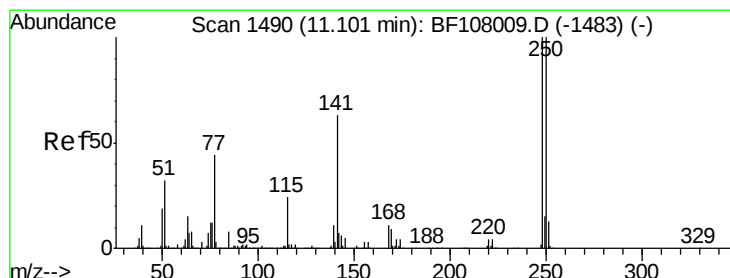
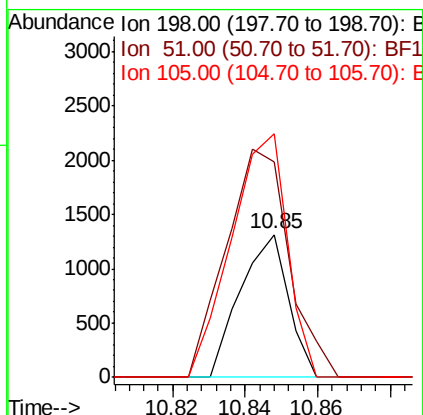
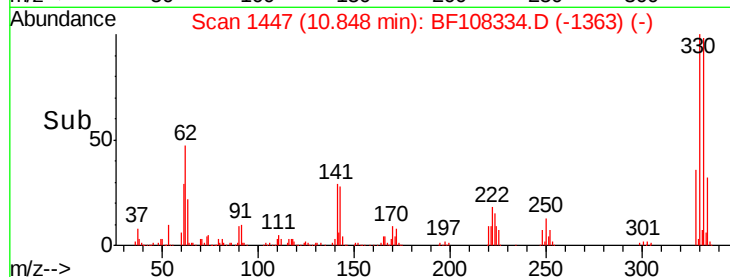
105 170.4 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 4.982 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

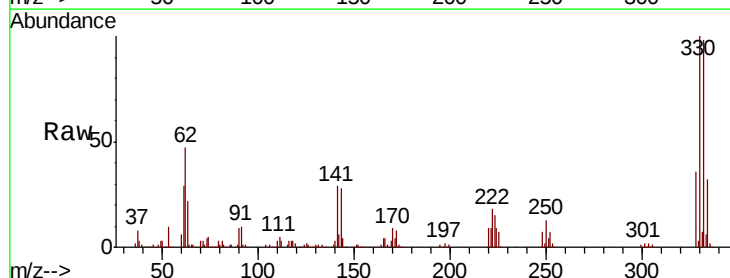
Tgt Ion:248 Resp: 35027

Ion Ratio Lower Upper

248 100

250 197.8 76.9 115.3#

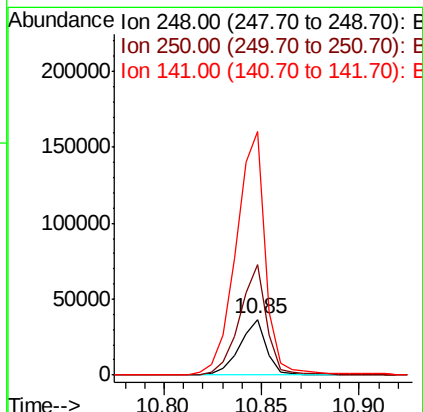
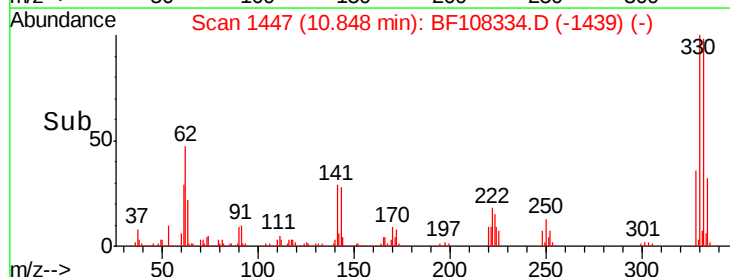
141 435.7 74.4 111.6#

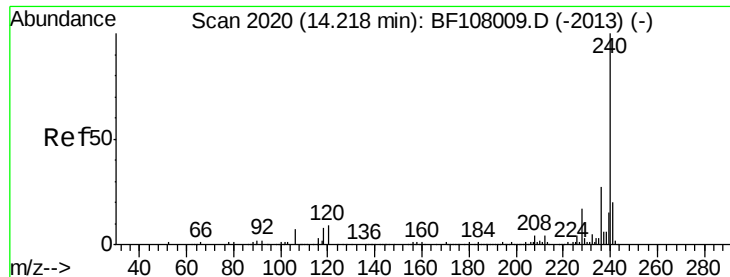


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

Instrument :

BNA_F

ClientSampleId :

72-11975

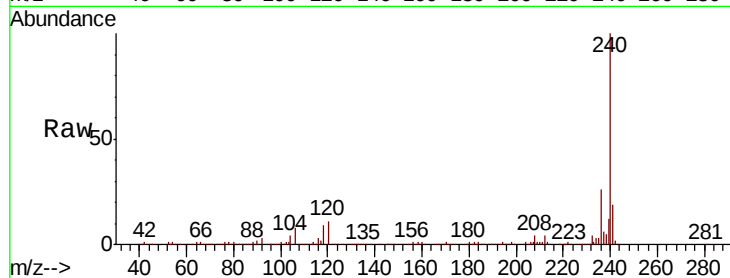
Tot Ion:240 Resp: 511693

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

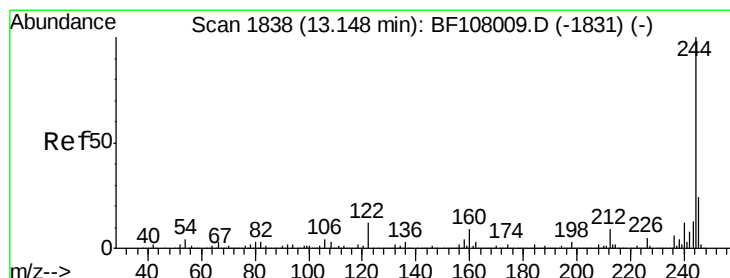
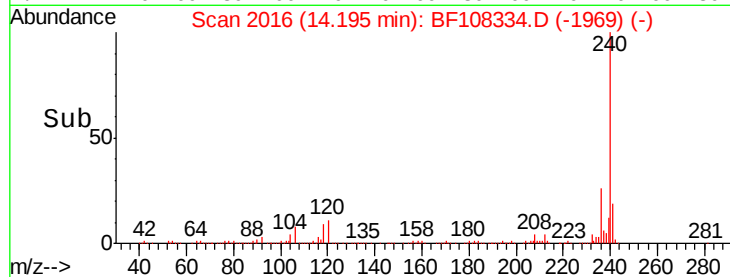
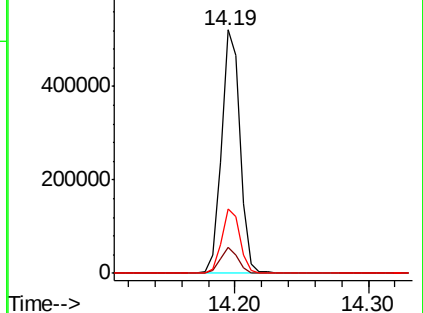
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 122.235 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108334.D

Acq: 21 Aug 2018 13:03

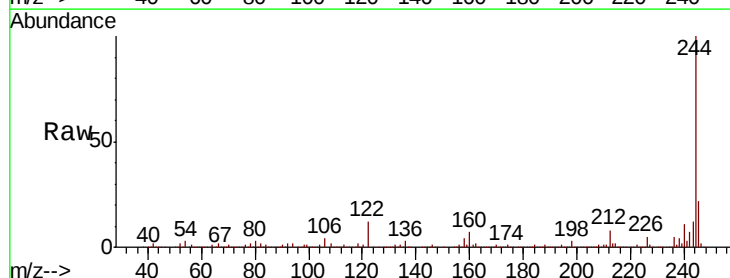
Tgt Ion:244 Resp: 2459980

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

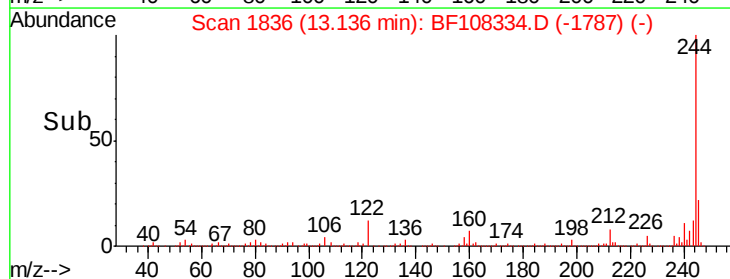
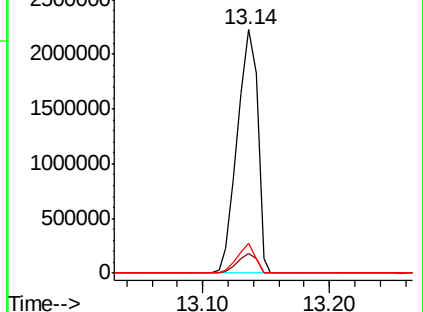
122 12.2 11.0 16.4

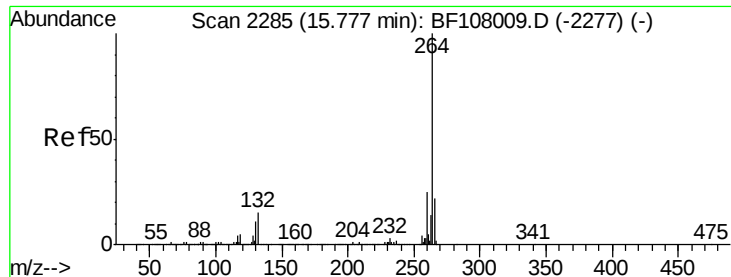


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108334.D
Acq: 21 Aug 2018 13:03

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.9	17.5	26.3

