

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108308.D
 Acq On : 20 Aug 2018 23:28
 Operator : JU/SJ
 Sample : J4501-05RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020

Quant Time: Aug 21 00:55:18 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

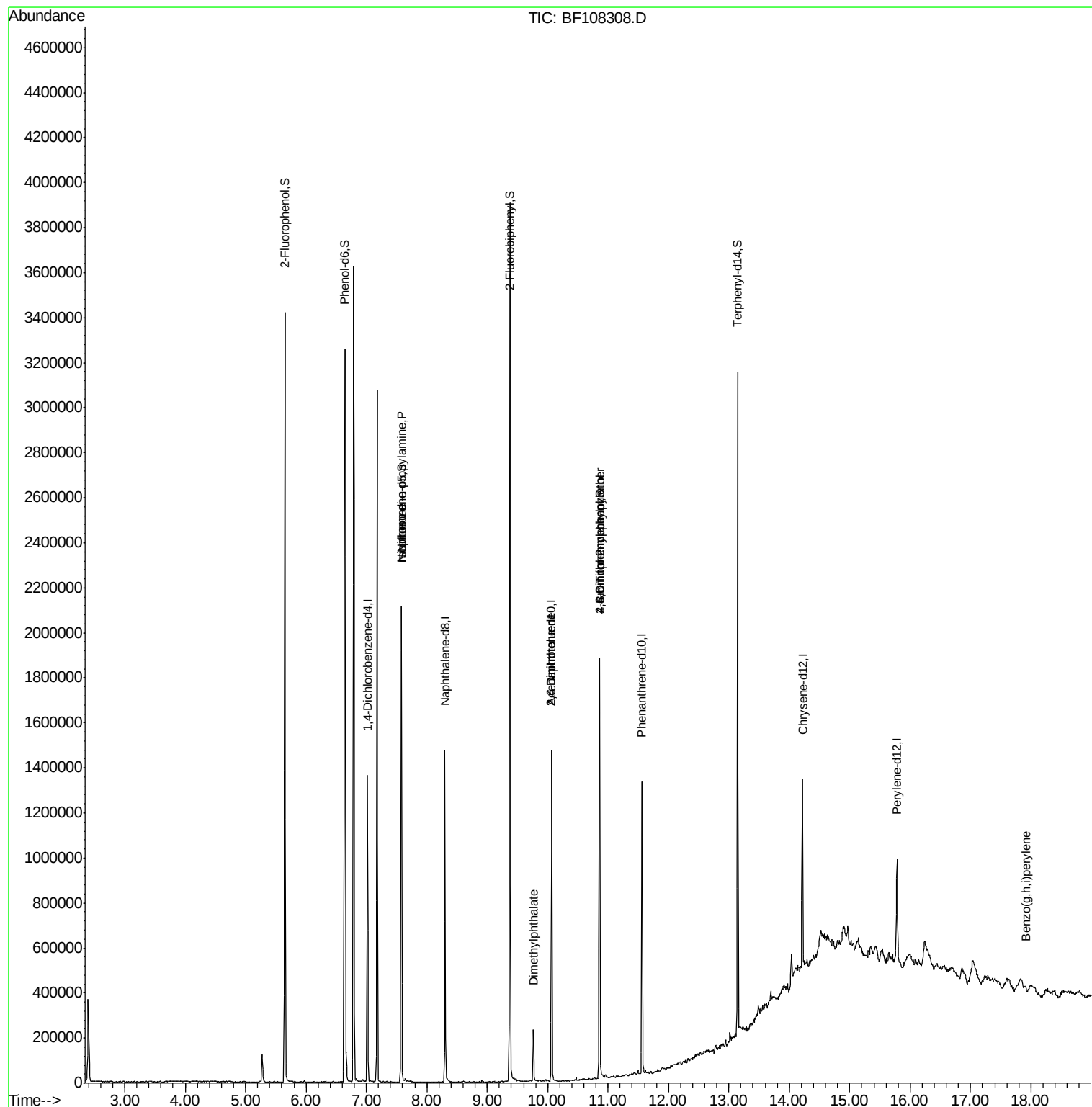
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	176055	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	635835	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	276506	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	472408	20.00	ng	0.00
75) Chrysene-d12	14.22	240	307401	20.00	ng	0.00
86) Perylene-d12	15.78	264	246132	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	864431	88.89	ng	0.02
7) Phenol-d6	6.64	99	1135291	87.85	ng	0.01
23) Nitrobenzene-d5	7.58	82	699894	61.42	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	228928	83.00	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1219596	70.81	ng	0.00
78) Terphenyl-d14	13.15	244	944077	78.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	94443	10.808	ng	# 81
25) Isophorone	7.58	82	699884	32.225	ng	# 64
49) Dimethylphthalate	9.77	163	88989	4.620	ng	# 99
50) 2,6-Dinitrotoluene	10.07	165	36149	8.970	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	36149	6.969	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	472	5.595	ng	# 6
66) 4-Bromophenyl-phenylether	10.86	248	15008	2.923	ng	# 1
91) Benzo(g,h,i)perylene	17.91	276	26496	2.469	ng	93

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

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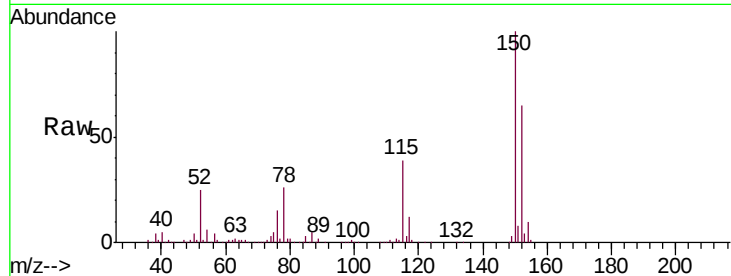


#1

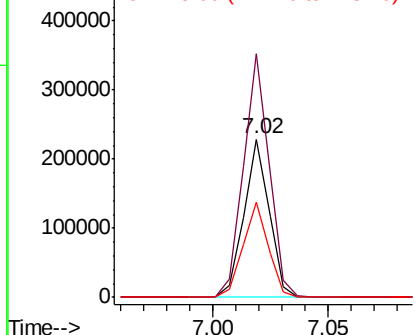
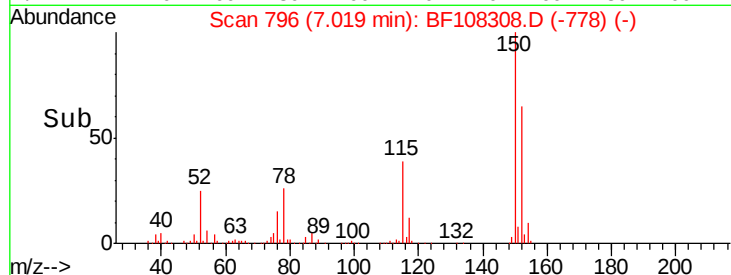
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020

Tgt Ion:152 Resp: 176055
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 59.8 50.1 75.1



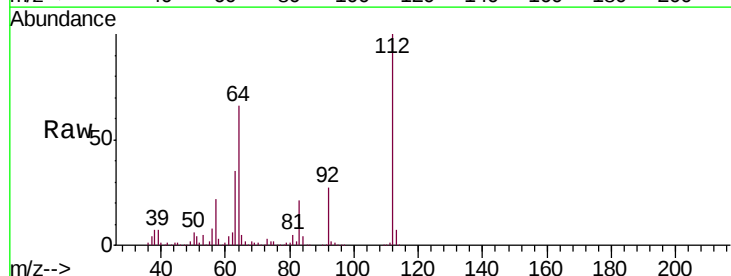
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



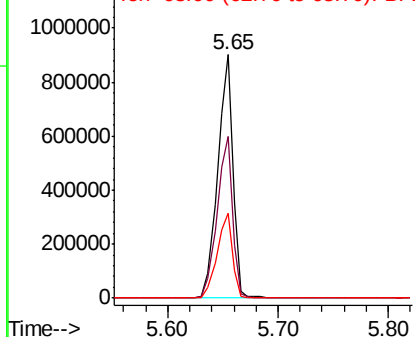
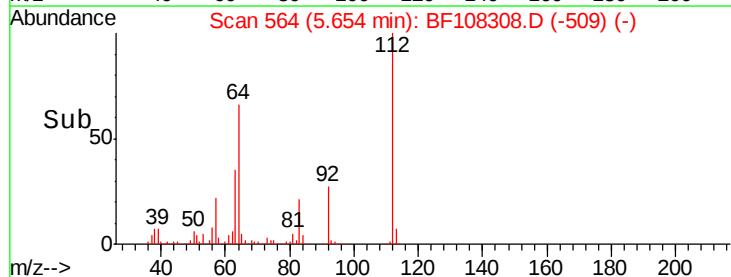
#5

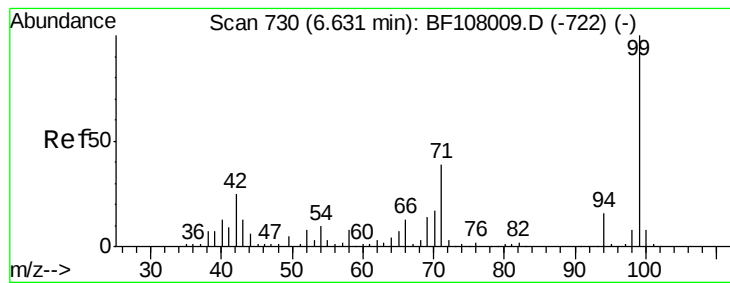
2-Fluorophenol
Concen: 88.893 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

Tgt Ion:112 Resp: 864431
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 35.1 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: 87.855 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020

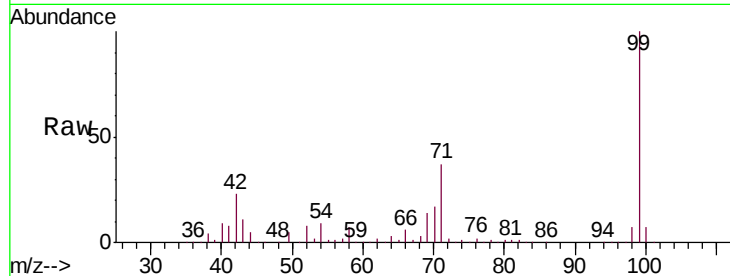
Tgt Ion: 99 Resp: 1135291

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

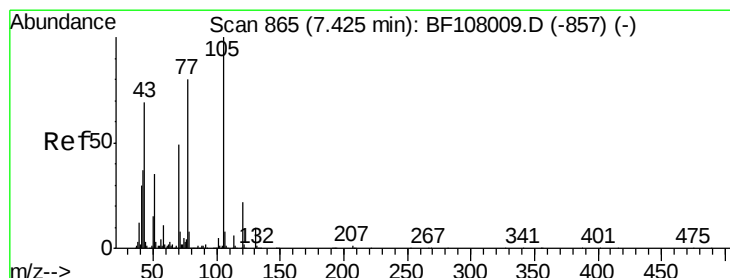
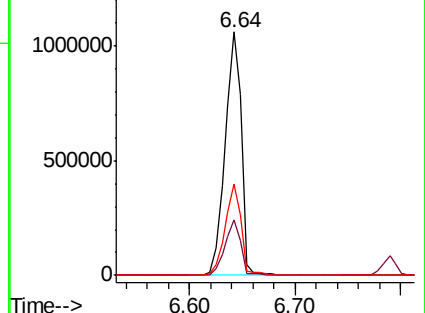
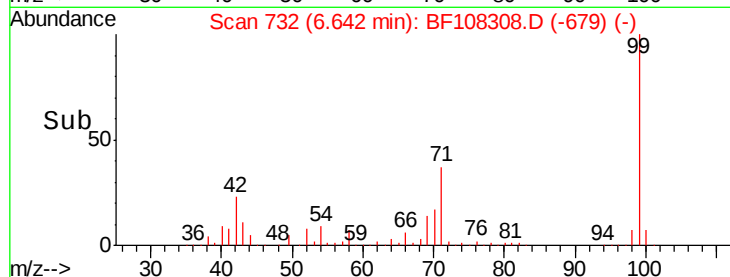
71 37.4 25.4 38.0



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: 10.808 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

Tgt Ion: 70 Resp: 94443

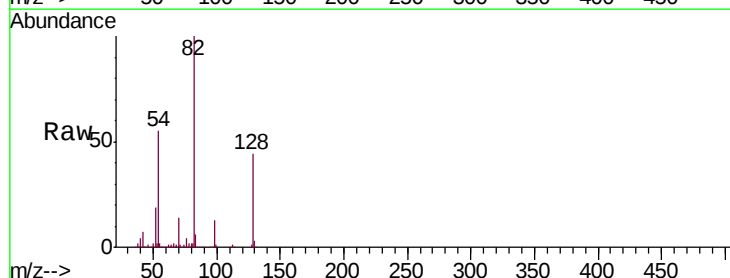
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

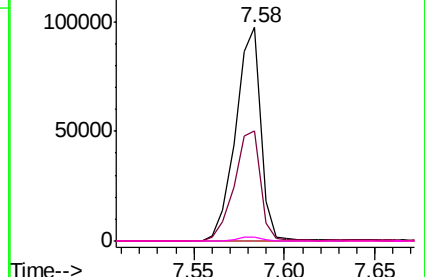
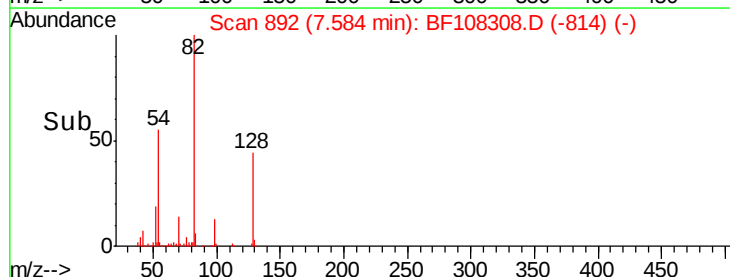


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

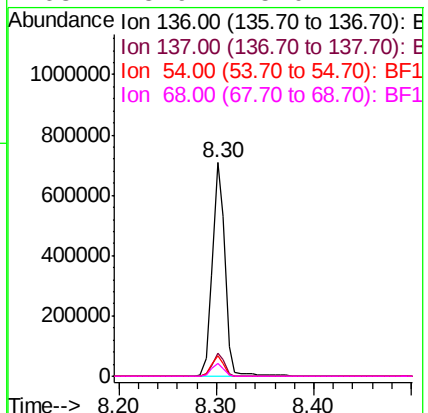
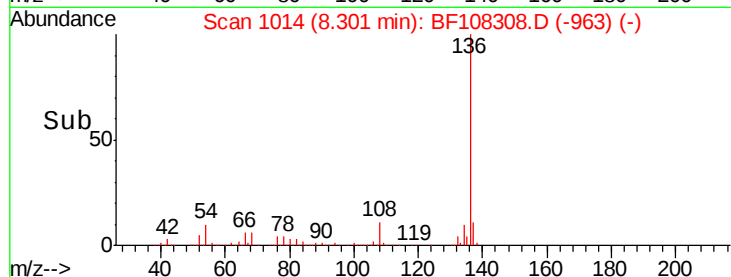
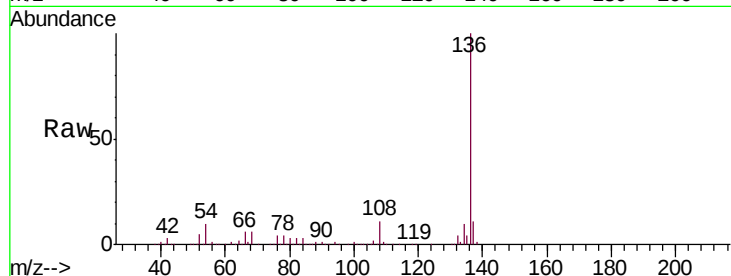




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

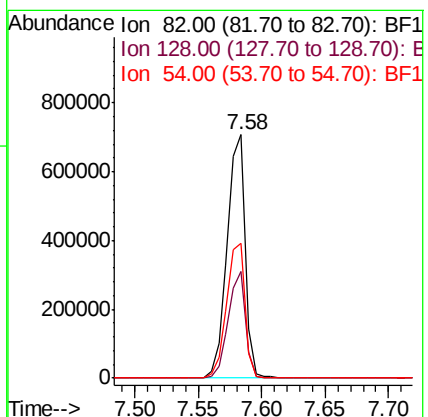
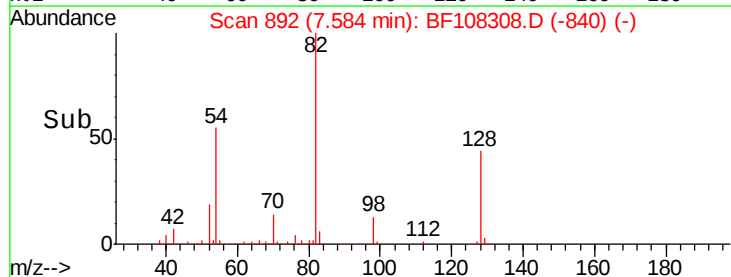
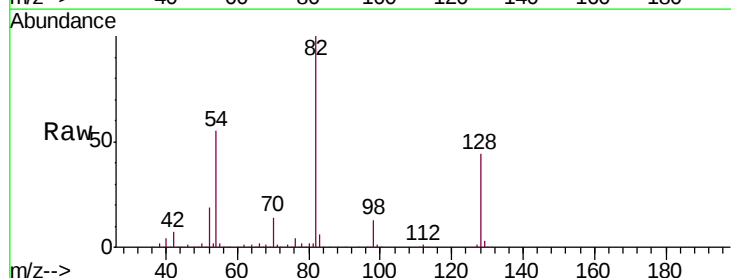
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020

Tgt Ion:	136	Resp:	635835
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 61.423 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

Tgt Ion:	82	Resp:	699894
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	55.4	41.4	62.2





#25

Isophorone

Concen: 32.225 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020

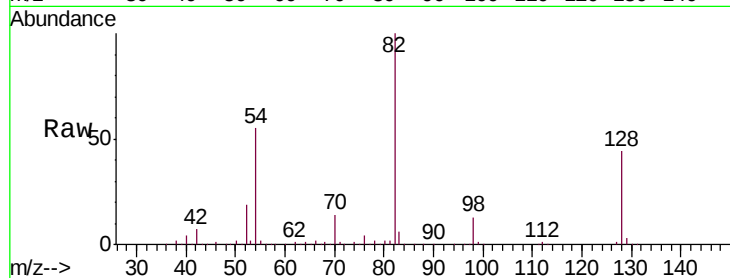
Tgt Ion: 82 Resp: 699884

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

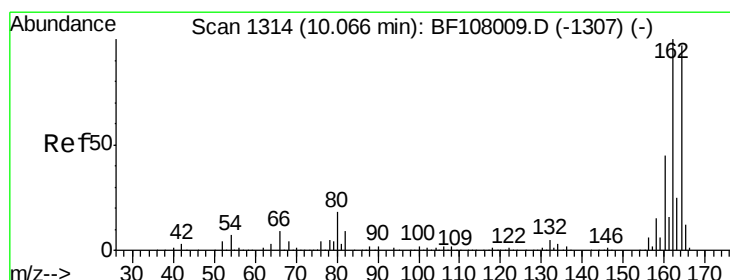
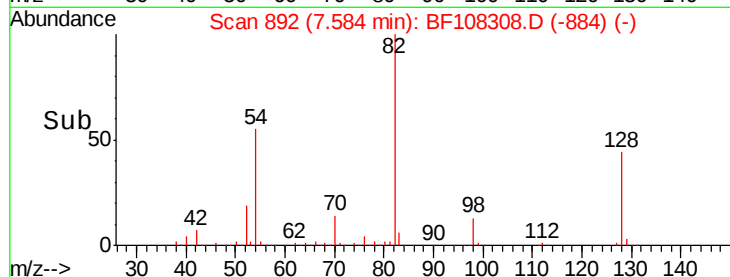
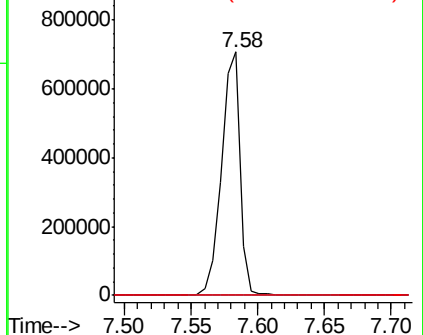
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

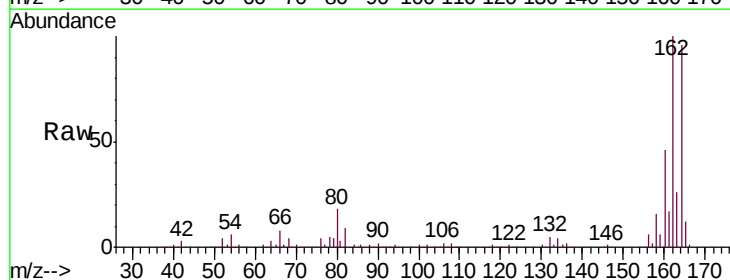
Tgt Ion: 164 Resp: 276506

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

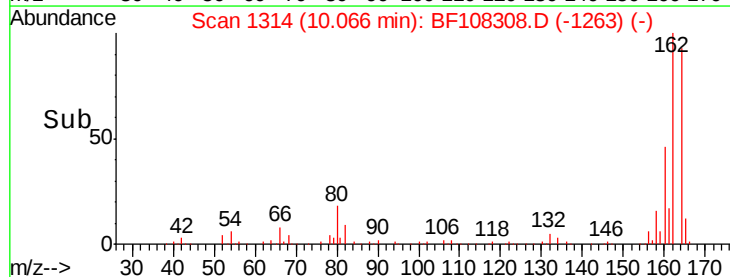
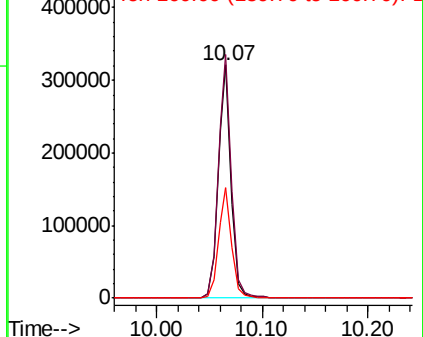
160 47.6 38.3 57.5



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

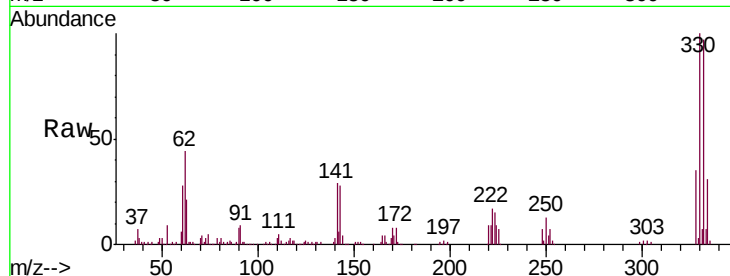




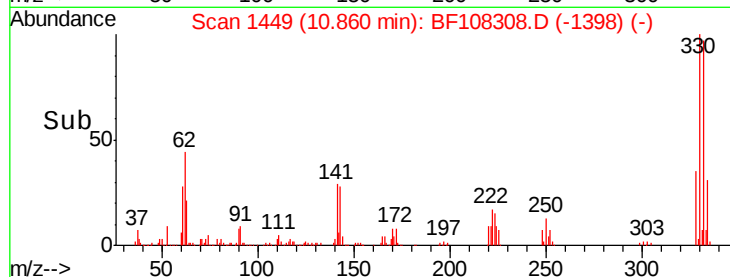
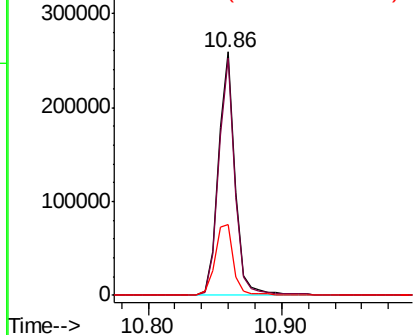
#41
 2,4,6-Tribromophenol
 Concen: 83.003 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020

Tgt Ion: 330 Resp: 228928
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 33.1 29.9 44.9

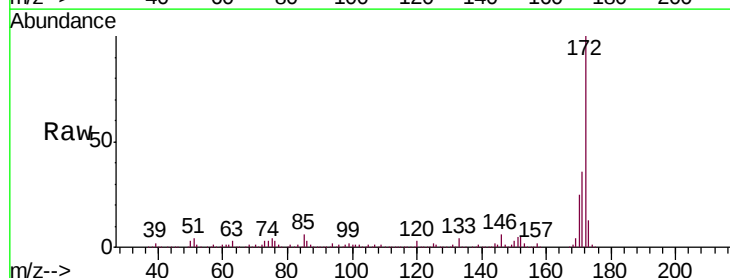


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

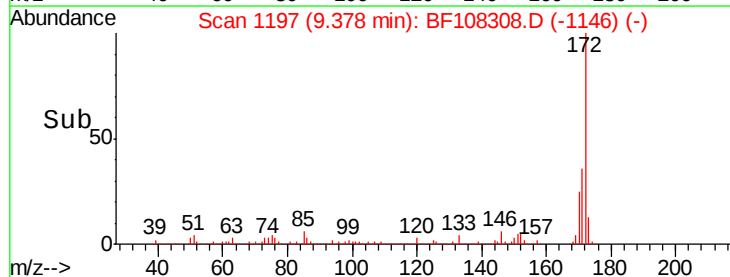
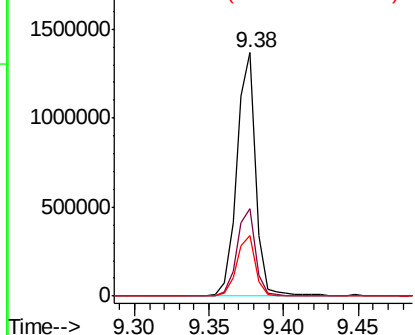


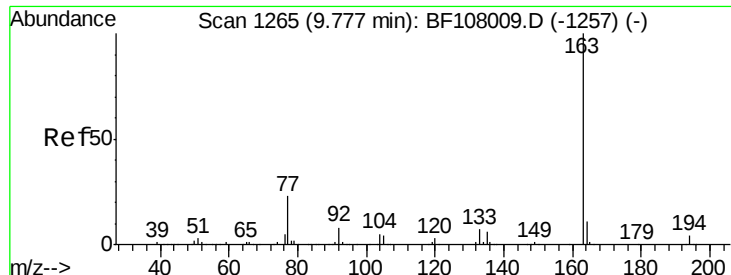
#44
 2-Fluorobiphenyl
 Concen: 70.813 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 172 Resp: 1219596
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.7 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

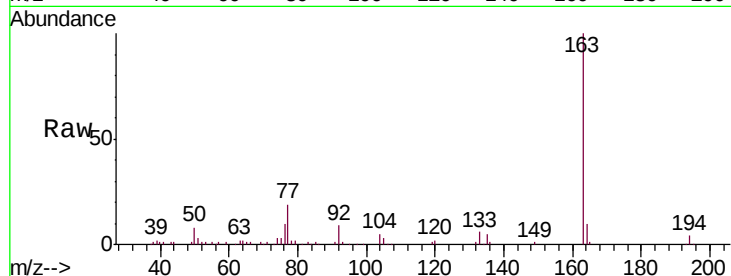




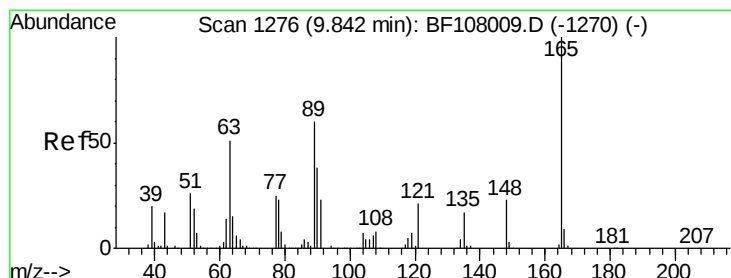
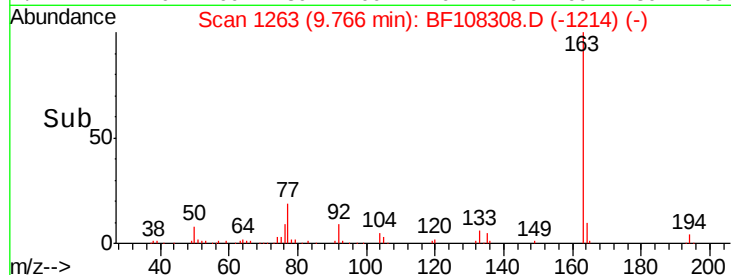
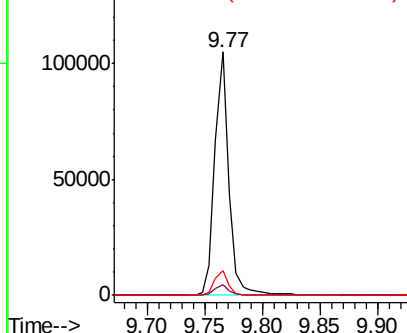
#49
Dimethylphthalate
Concen: 4.620 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020

Tgt Ion:163 Resp: 88989
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.0 8.2 12.2

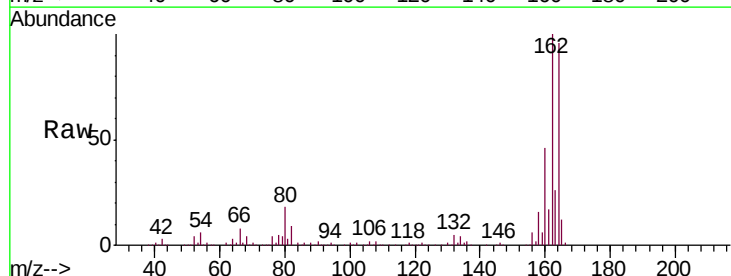


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

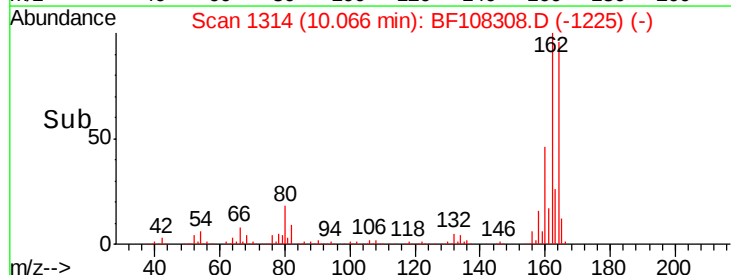
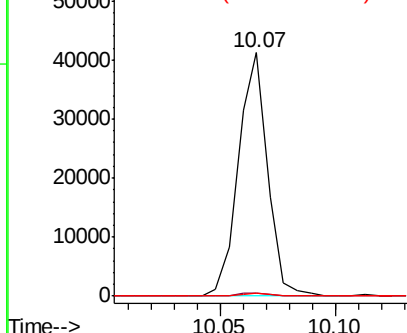


#50
2,6-Dinitrotoluene
Concen: 8.970 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.22 min
Lab File: BF108308.D
Acq: 20 Aug 2018 23:28

Tgt Ion:165 Resp: 36149
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.4 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

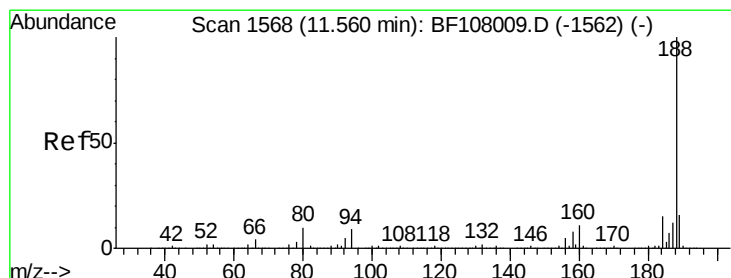
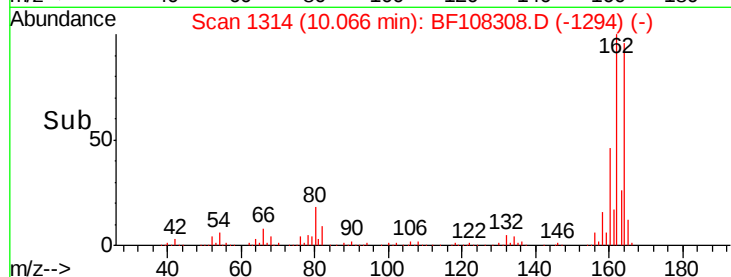
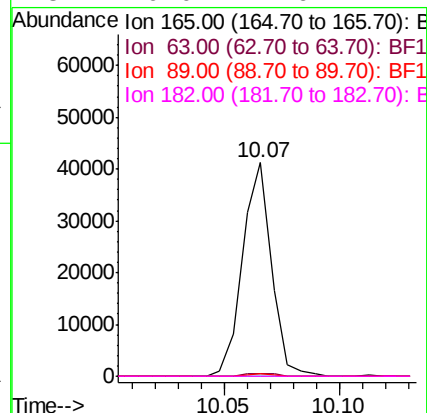
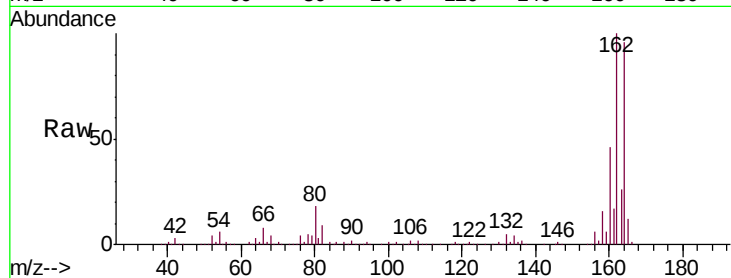




#56
 2,4-Dinitrotoluene
 Concen: 6.969 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

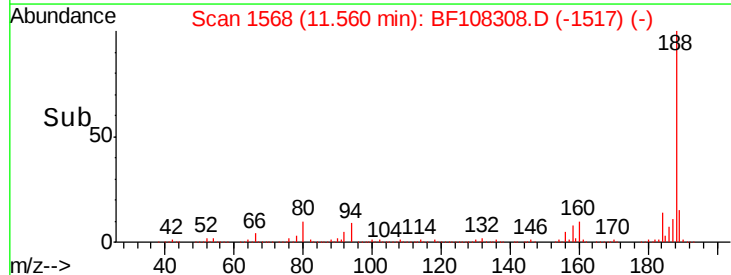
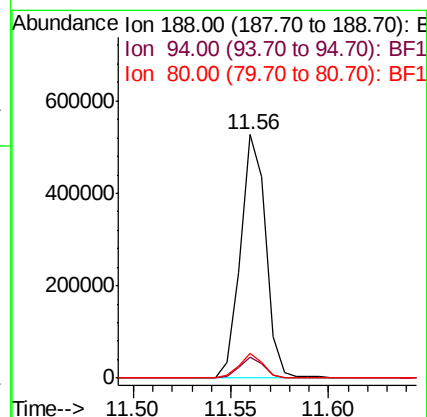
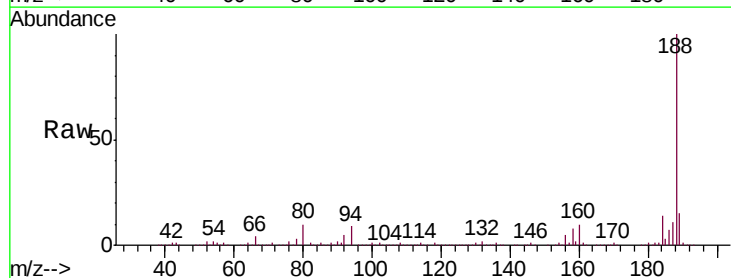
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

Tgt Ion	Resp	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	10.0	9.2	13.8

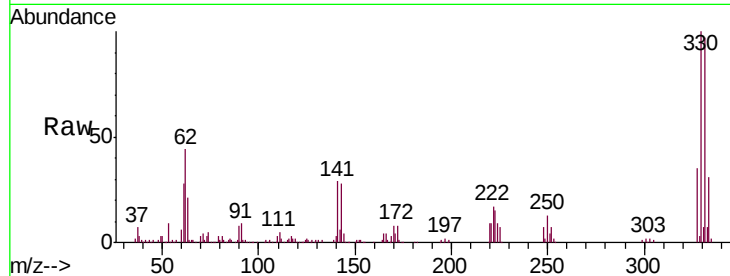




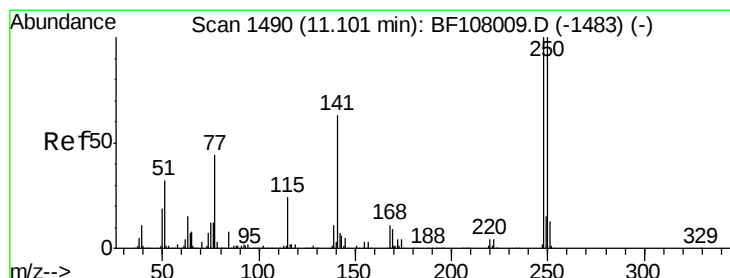
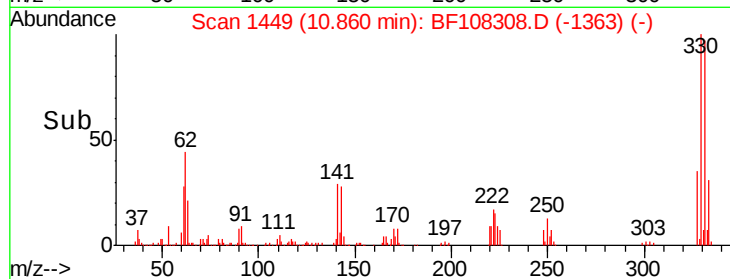
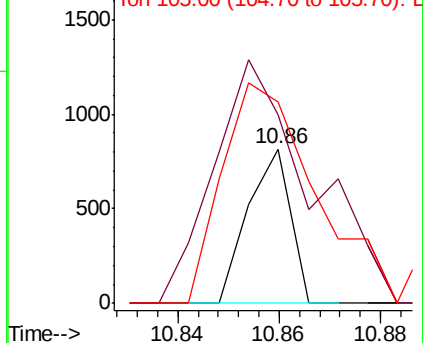
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.595 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020

Tgt Ion:198 Resp: 472
 Ion Ratio Lower Upper
 198 100
 51 122.7 37.7 77.7#
 105 130.4 36.3 76.3#

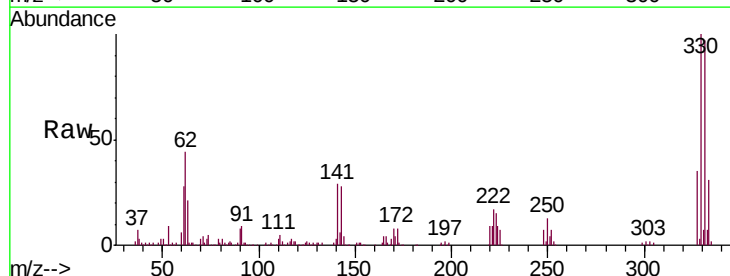


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

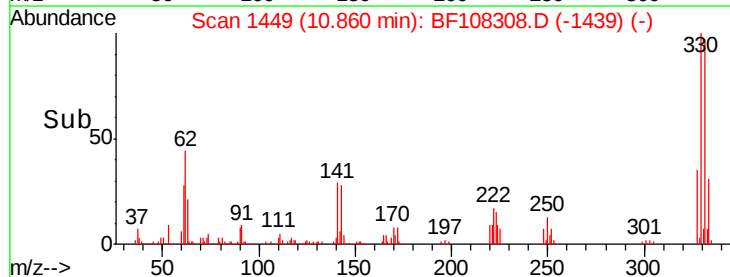
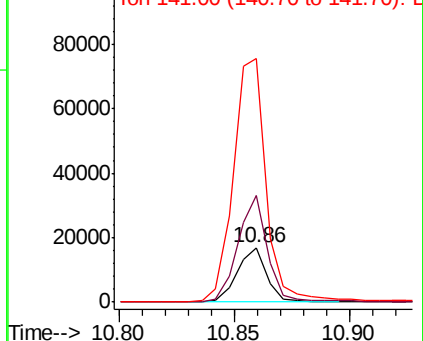


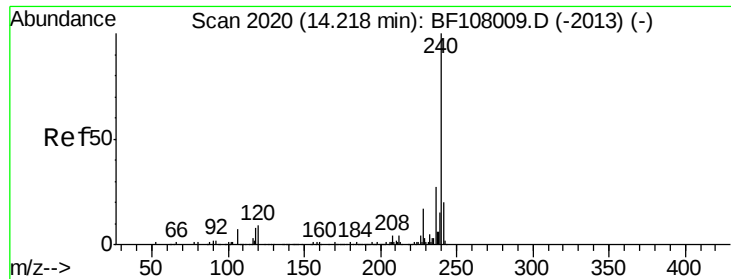
#66
 4-Bromophenyl-phenylether
 Concen: 2.923 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108308.D
 Acq: 20 Aug 2018 23:28

Tgt Ion:248 Resp: 15008
 Ion Ratio Lower Upper
 248 100
 250 196.2 76.9 115.3#
 141 446.6 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: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020

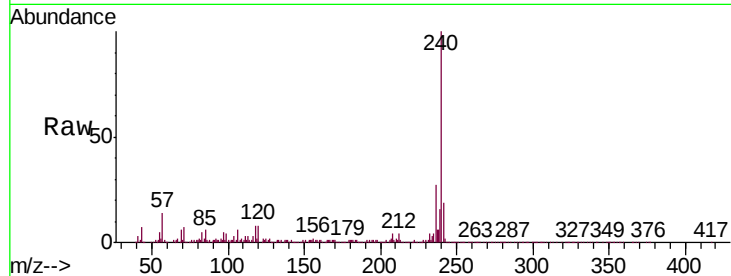
Tgt Ion:240 Resp: 307401

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

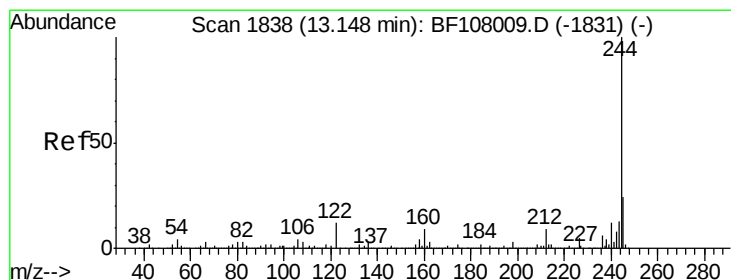
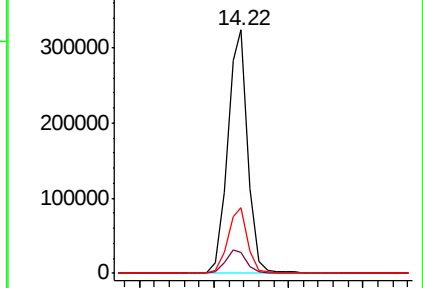
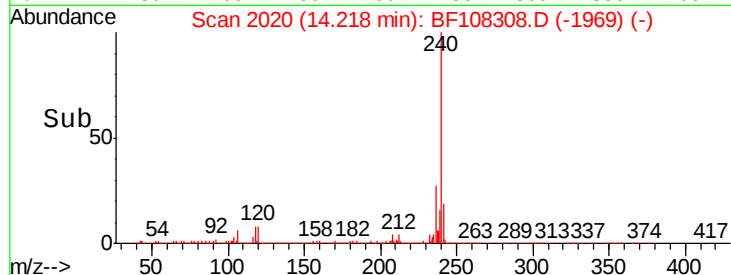
236 27.1 20.7 31.1



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: 78.086 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

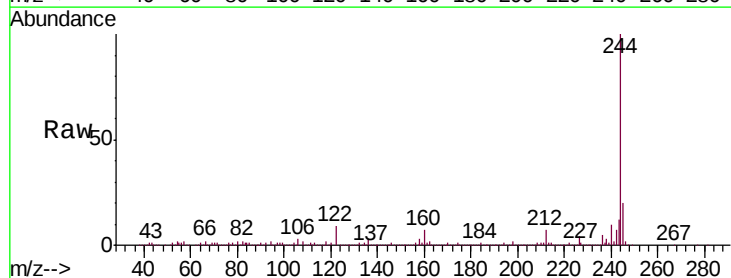
Tgt Ion:244 Resp: 944077

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

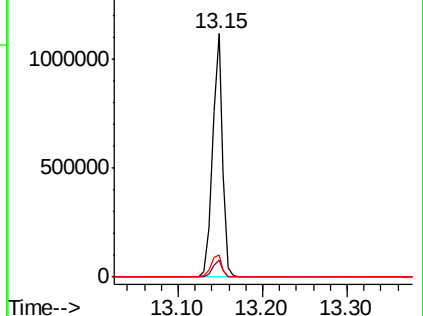
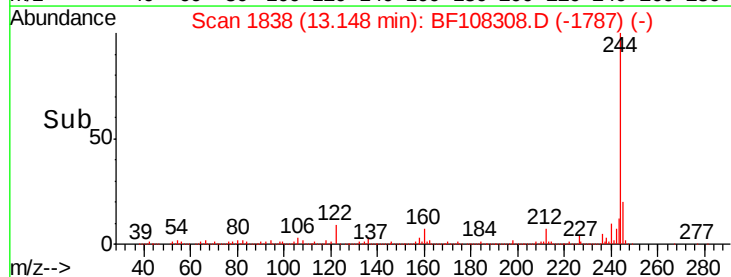
122 9.4 11.0 16.4#

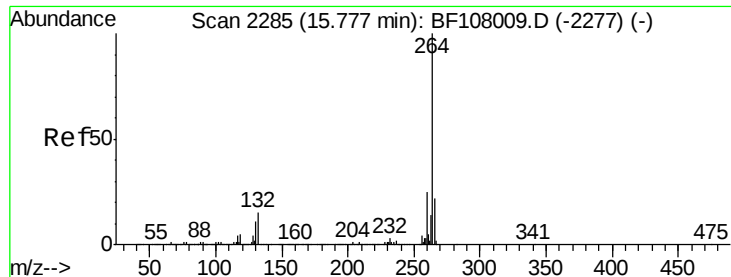


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020

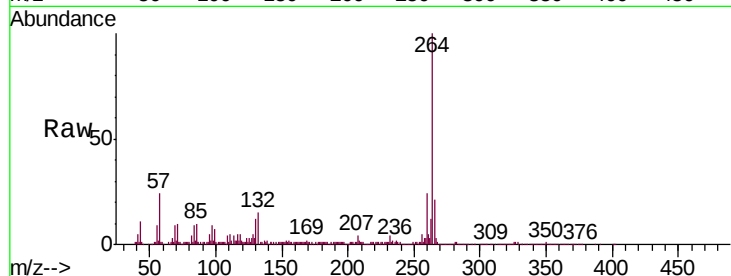
Tgt Ion:264 Resp: 246132

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

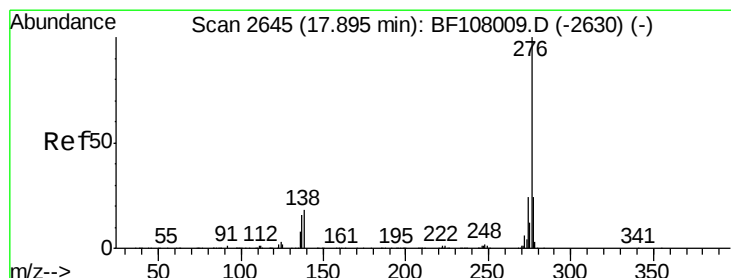
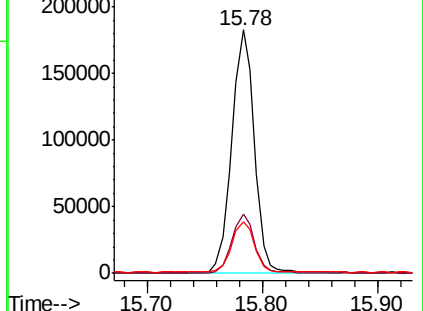
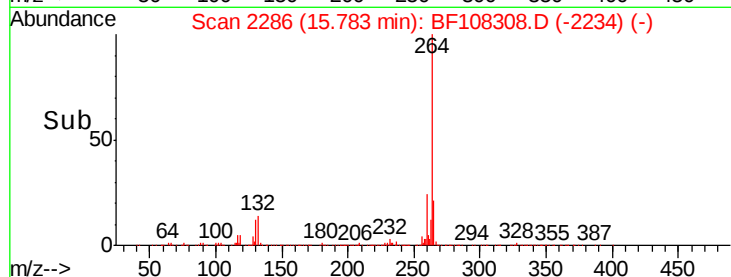
265 21.3 17.5 26.3



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



#91

Benzo(g,h,i)perylene

Concen: 2.469 ng

RT: 17.91 min Scan# 2647

Delta R.T. 0.01 min

Lab File: BF108308.D

Acq: 20 Aug 2018 23:28

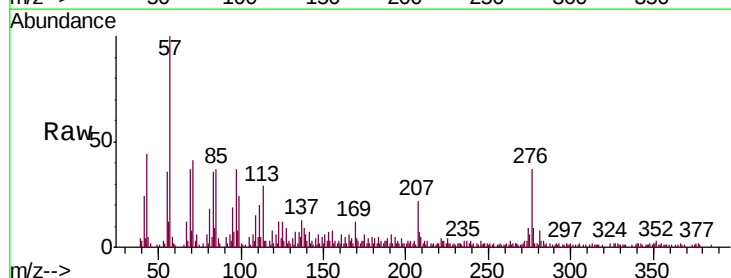
Tgt Ion:276 Resp: 26496

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 23.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

