

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108193.D
 Acq On : 16 Aug 2018 14:23
 Operator : JU/SJ
 Sample : PB112104BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 14:59:39 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

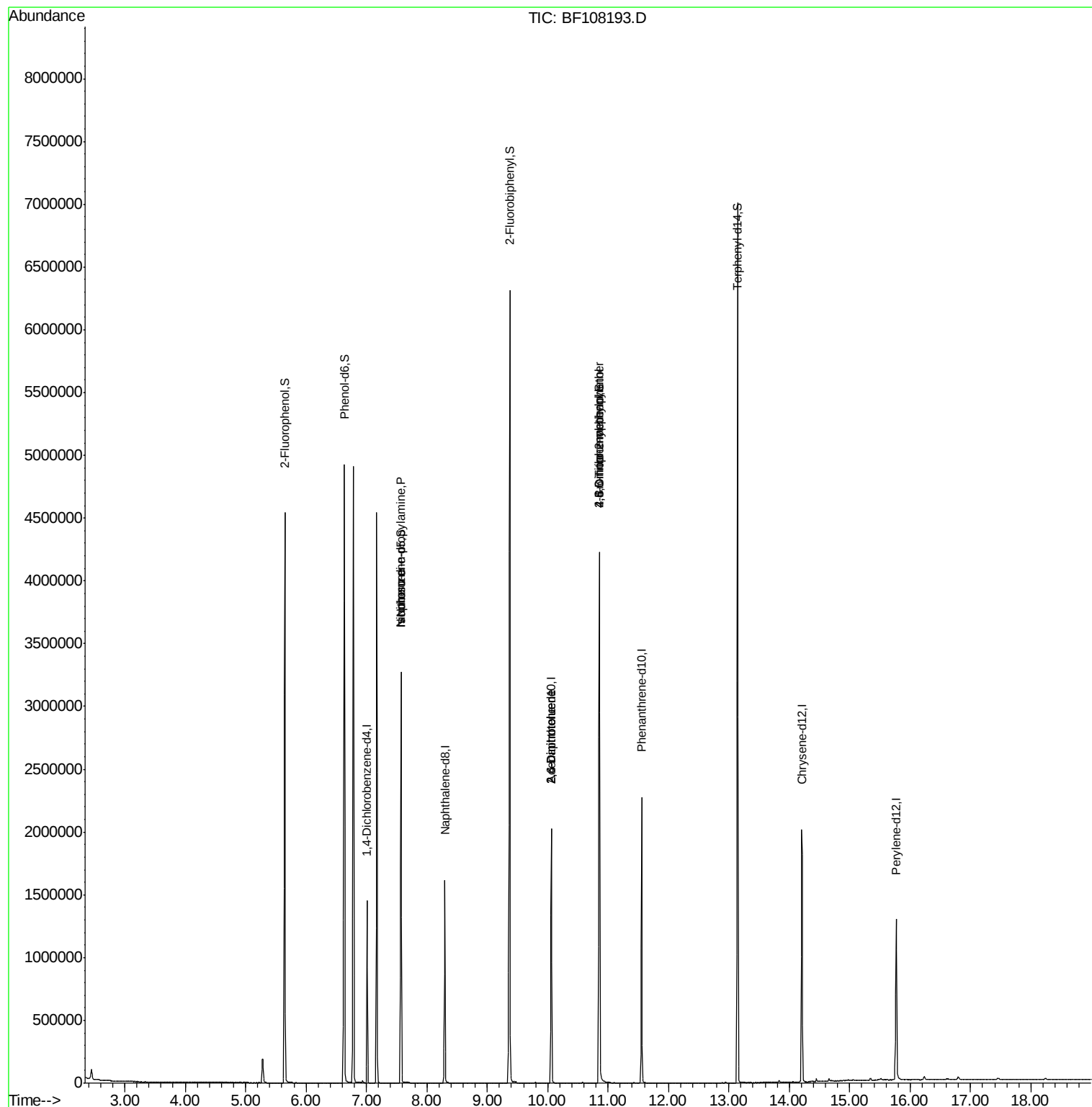
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	194535	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	740509	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	388400	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	797038	20.00	ng	0.00
75) Chrysene-d12	14.21	240	731322	20.00	ng	-0.01
86) Perylene-d12	15.77	264	699278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1328651	123.65	ng	0.02
7) Phenol-d6	6.64	99	1760402	123.29	ng	0.00
23) Nitrobenzene-d5	7.58	82	1195689	90.10	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	561152	144.84	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2211985	91.43	ng	0.00
78) Terphenyl-d14	13.15	244	2539172	88.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	164261	17.012	ng	# 84
25) Isophorone	7.58	82	1195667	47.271	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	48205	8.516	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	48205	6.616	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1161	5.703	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	38047	4.393	ng	# 1

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

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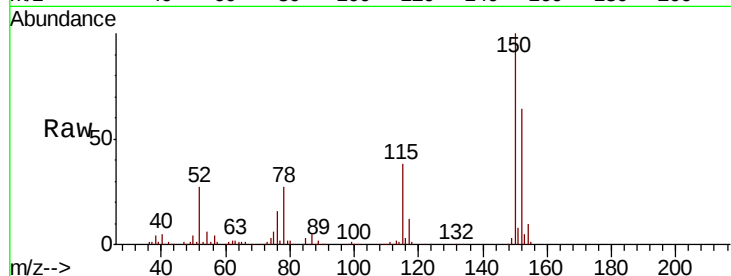


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108193.D
Acq: 16 Aug 2018 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	59.9	50.1	75.1

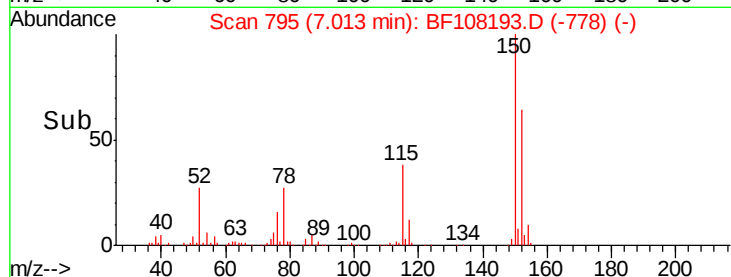
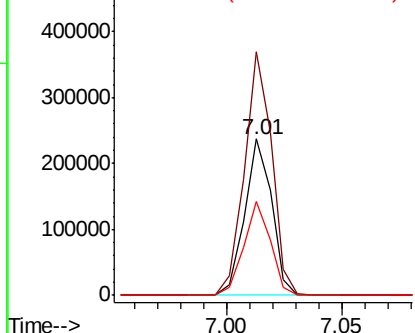


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

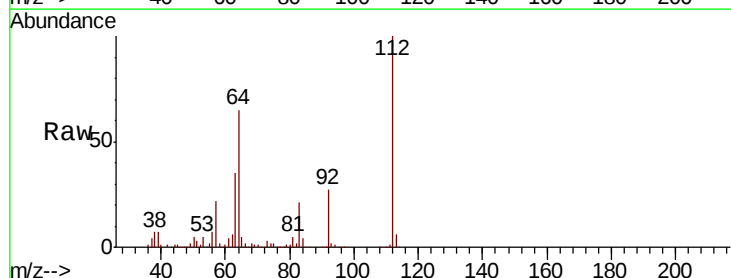
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.652 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108193.D
Acq: 16 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.8	23.7	35.5

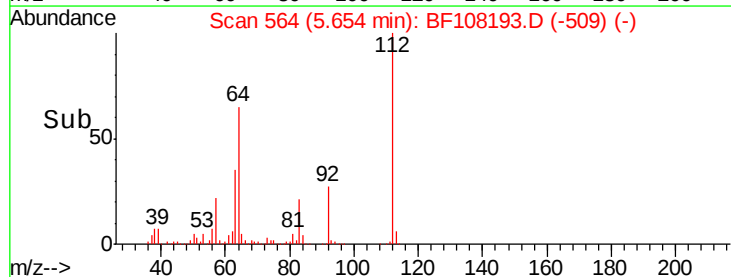
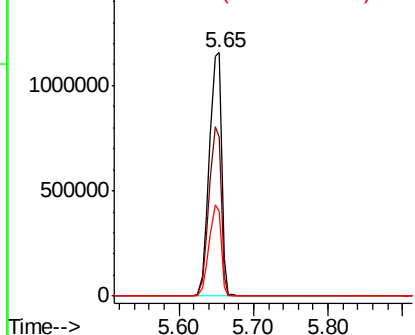


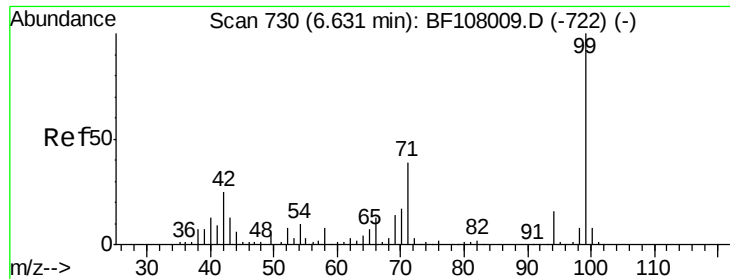
Abundance

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: 123.288 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

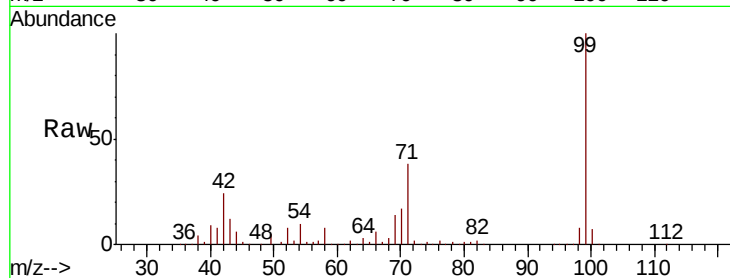
Instrument :

BNA_F

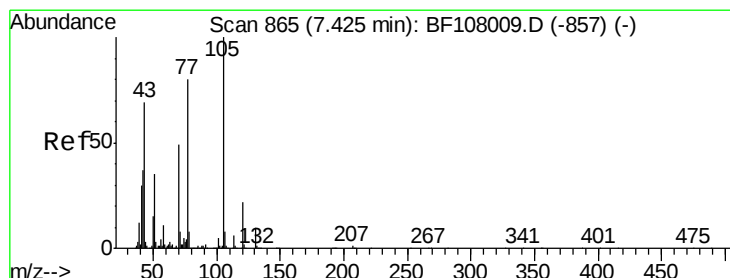
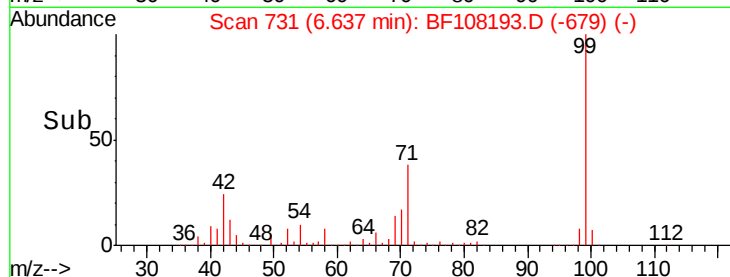
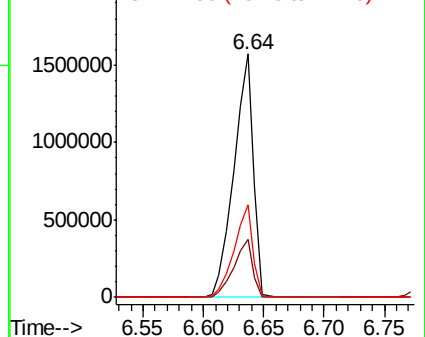
ClientSampleId :

Tot Ion: 99 Resp: 1760402

Ion	Ratio	Lower	Upper
99	100		
42	24.0	14.5	21.7#
71	37.8	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: 17.012 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

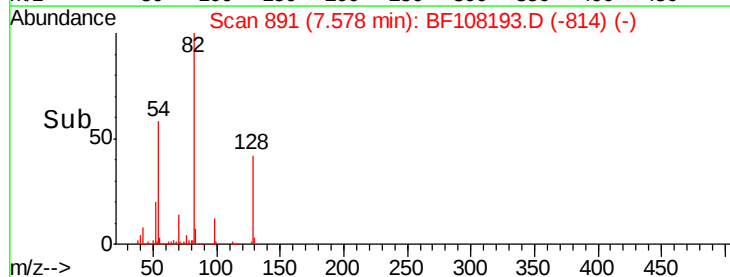
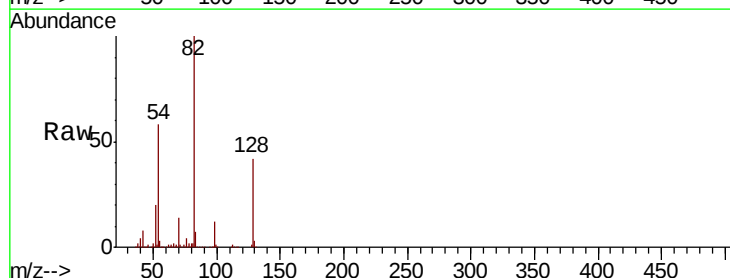
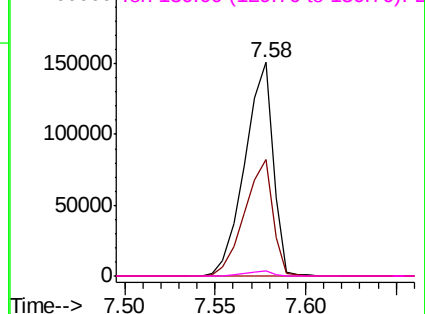
Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

Tgt Ion: 70 Resp: 164261

Ion	Ratio	Lower	Upper
70	100		
42	54.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	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# 1013

Delta R.T. -0.01 min

Lab File: BF108193.D

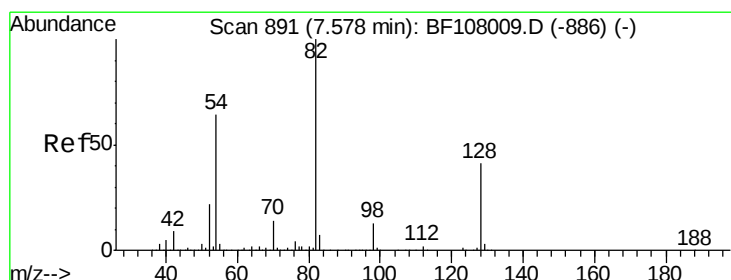
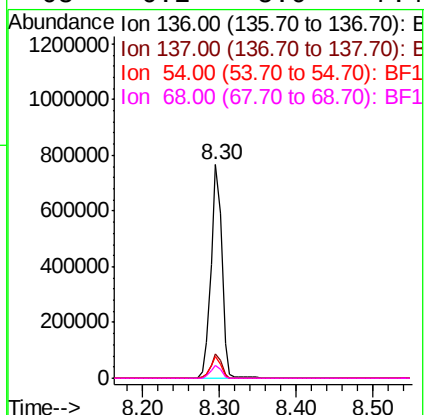
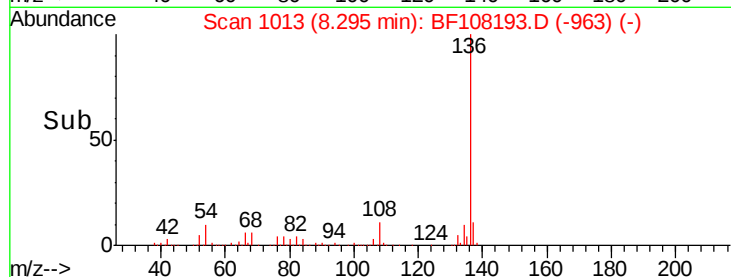
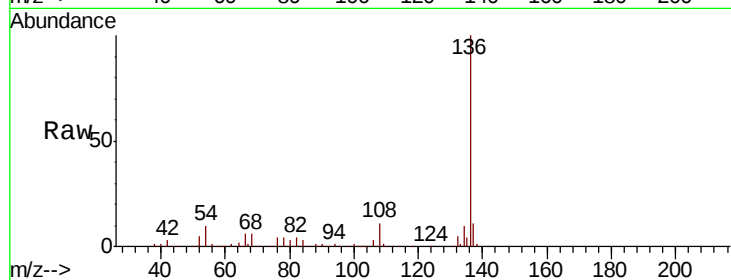
Acq: 16 Aug 2018 14:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	740509
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	10.4	6.6 9.8#
68	6.2	5.0 7.4



#23

Nitrobenzene-d5

Concen: 90.102 ng

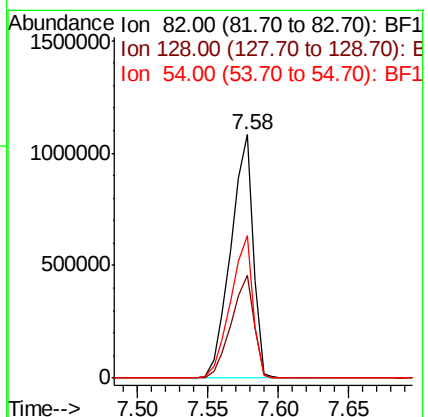
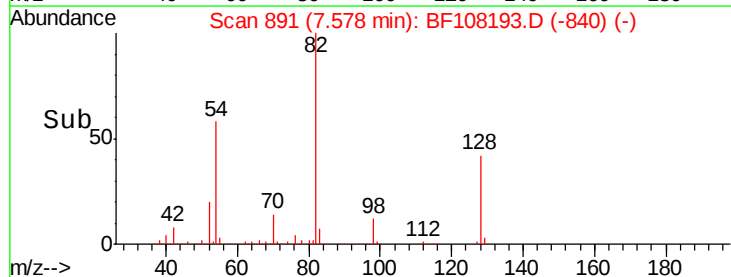
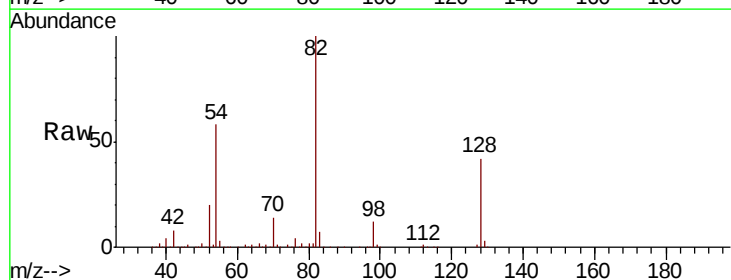
RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

Tgt	Ion: 82	Resp: 1195689	
Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	58.4	41.4	62.2





#25

Isophorone

Concen: 47.271 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

Instrument :

BNA_F

ClientSampled :

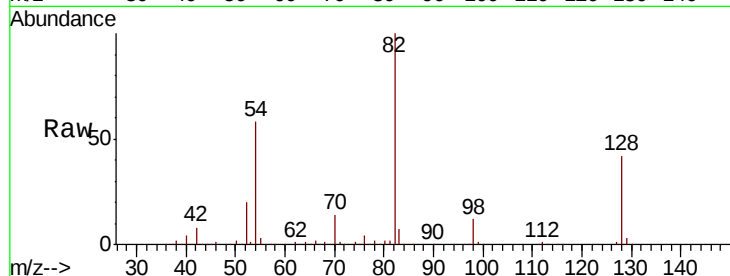
Tot Ion: 82 Resp: 1195667

Ion Ratio Lower Upper

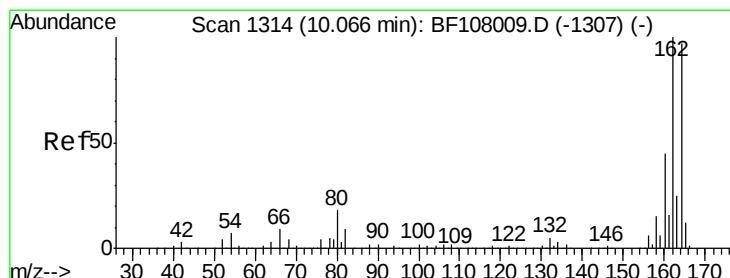
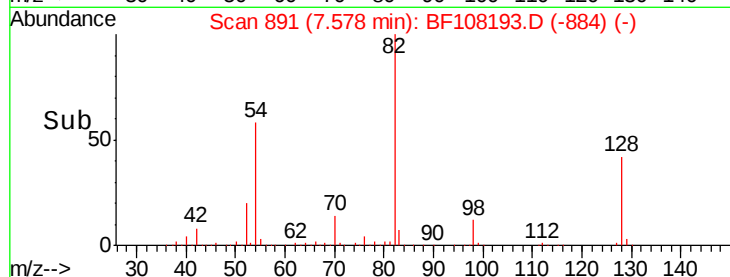
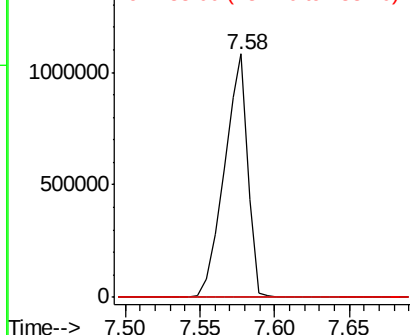
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

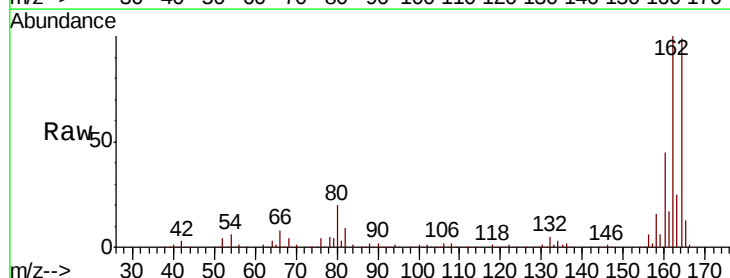
Tgt Ion:164 Resp: 388400

Ion Ratio Lower Upper

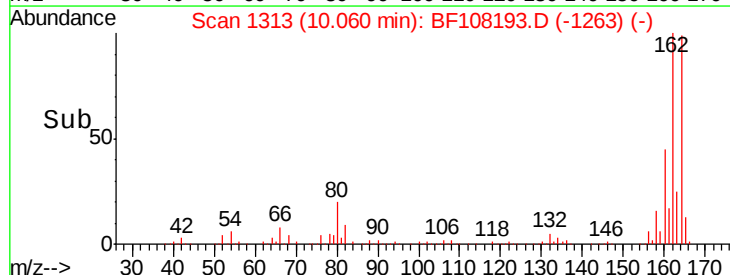
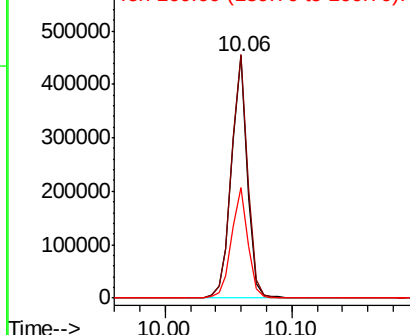
164 100

162 100.6 86.1 129.1

160 45.4 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

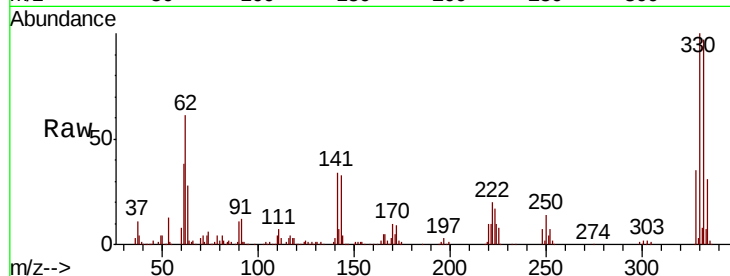




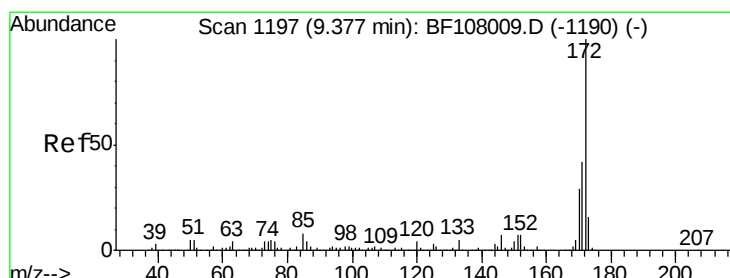
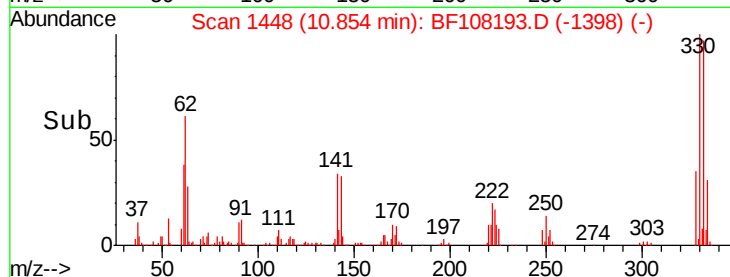
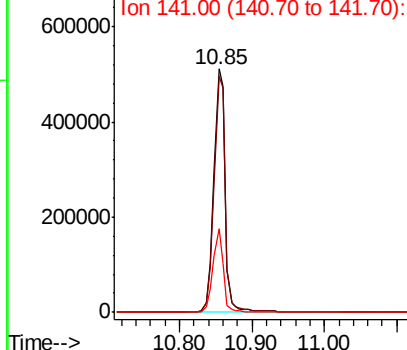
#41
 2,4,6-Tribromophenol
 Concen: 144.844 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	31.6	29.9	44.9

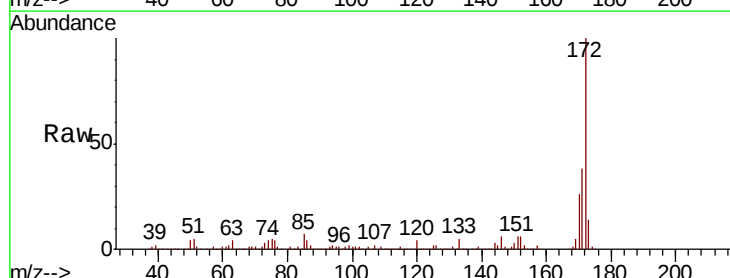


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

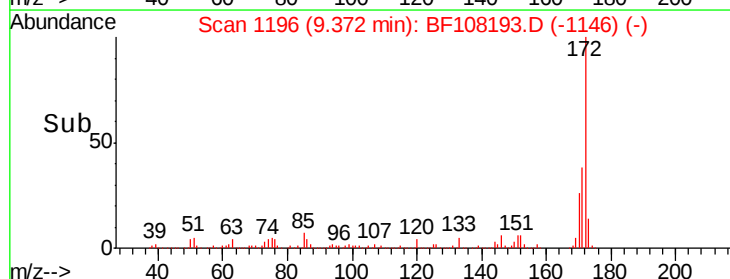
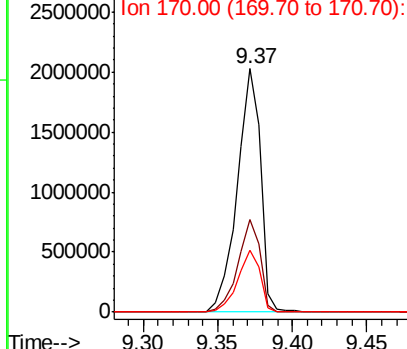


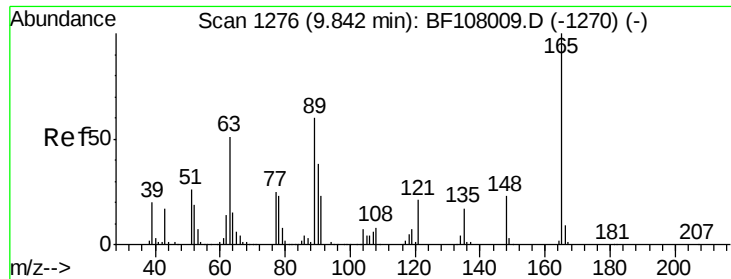
#44
 2-Fluorobiphenyl
 Concen: 91.433 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.7	44.5
170	25.6	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

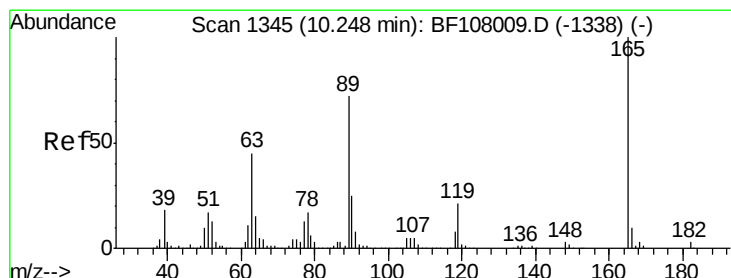
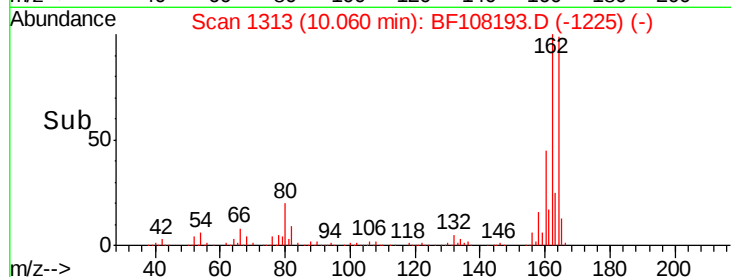
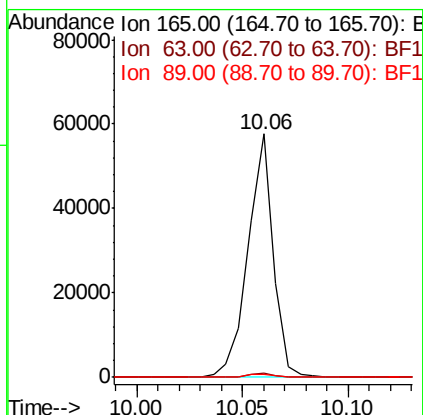
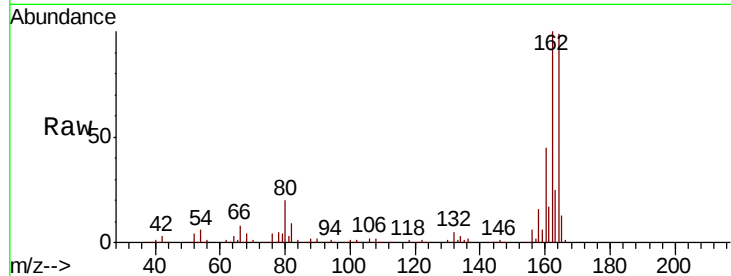




#50
 2,6-Dinitrotoluene
 Concen: 8.516 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

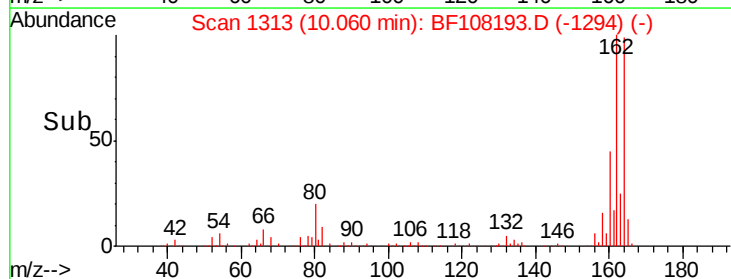
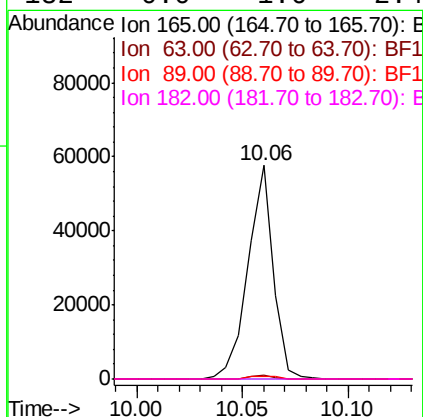
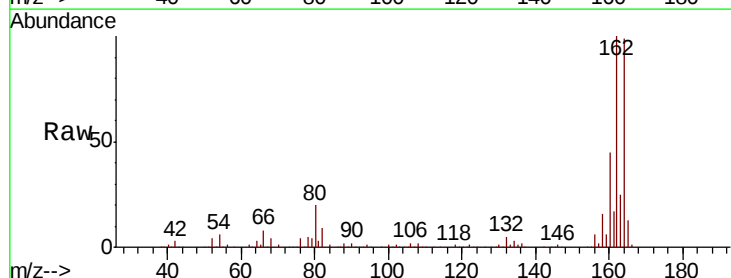
Instrument :
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 ClientSampleId :

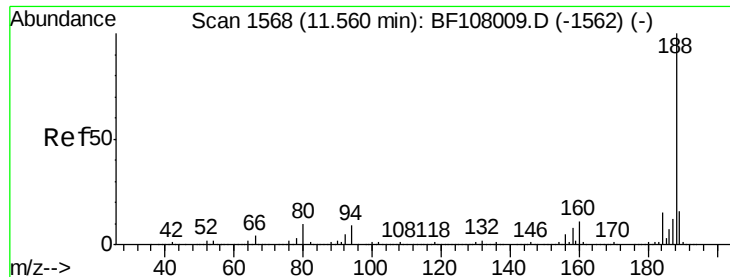
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.616 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

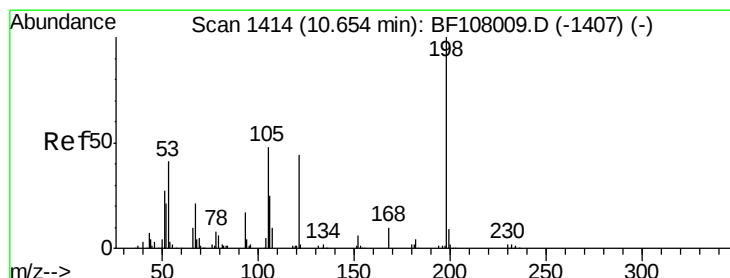
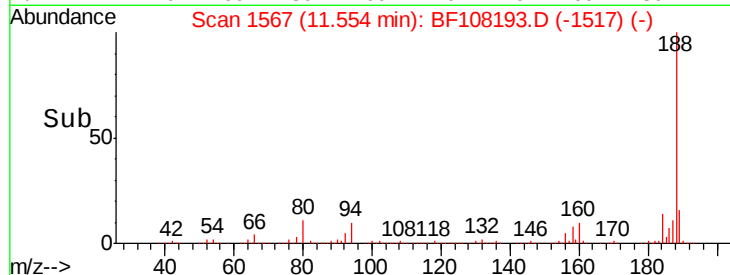
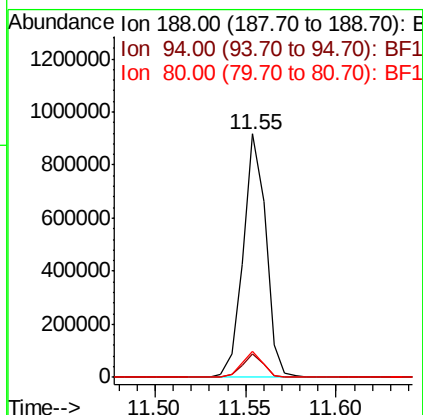
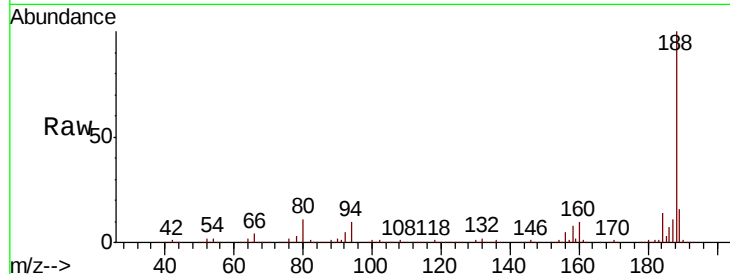




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

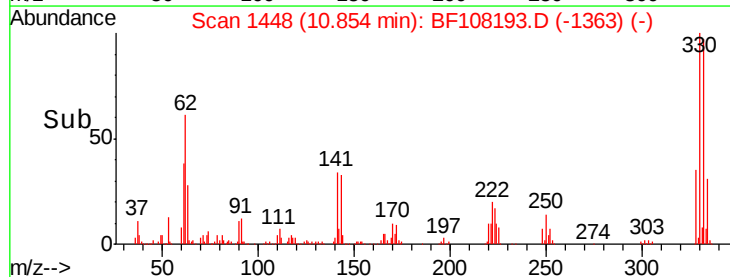
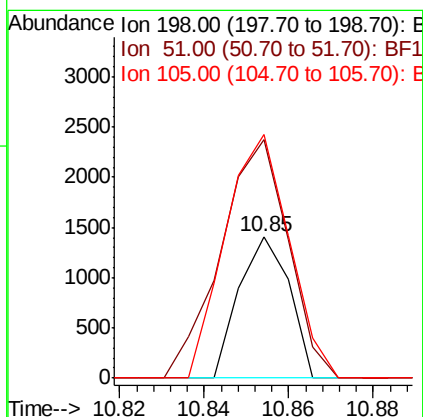
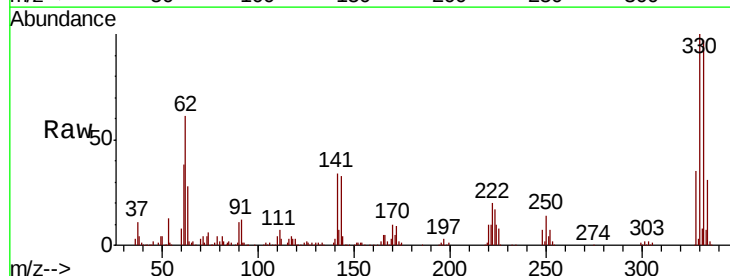
Instrument :
 BNA_F
 ClientSampleId :

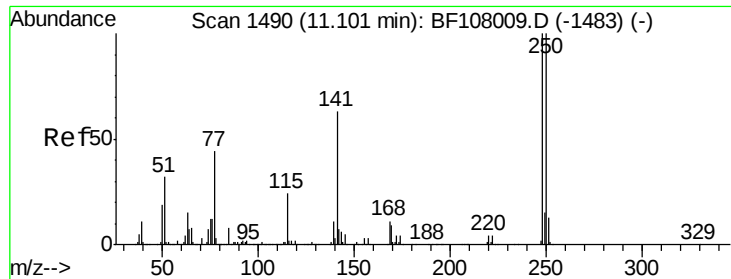
Tot Ion:188 Resp: 797038
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.703 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Tgt Ion:198 Resp: 1161
 Ion Ratio Lower Upper
 198 100
 51 167.8 37.7 77.7#
 105 171.7 36.3 76.3#

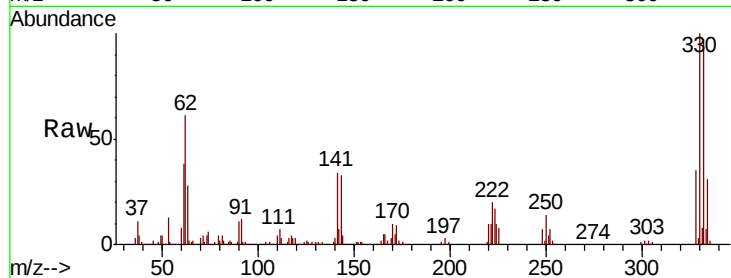




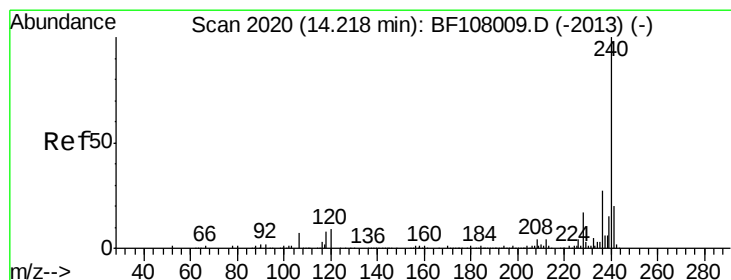
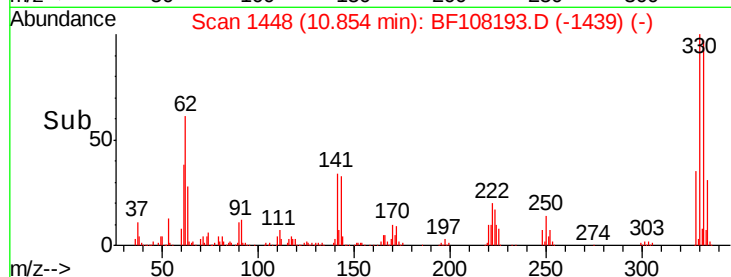
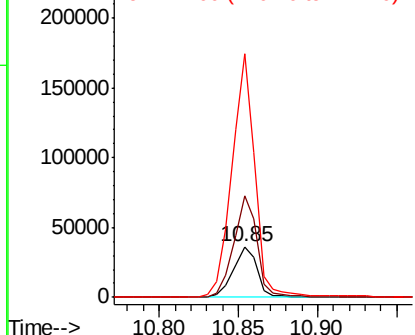
#66
 4-Bromophenyl-phenylether
 Concen: 4.393 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 38047
 Ion Ratio Lower Upper
 248 100
 250 201.1 76.9 115.3#
 141 481.4 74.4 111.6#

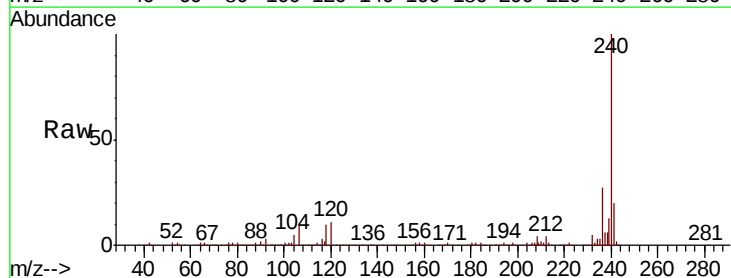


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

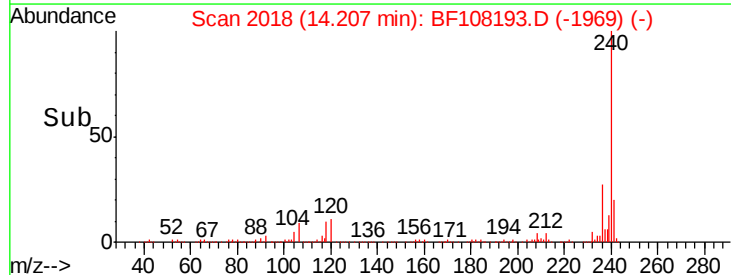
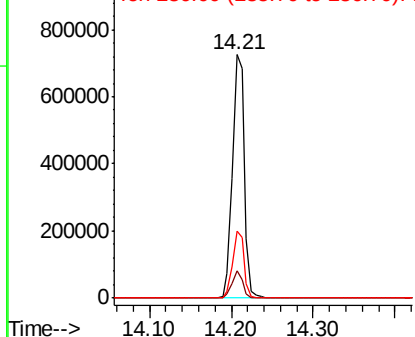


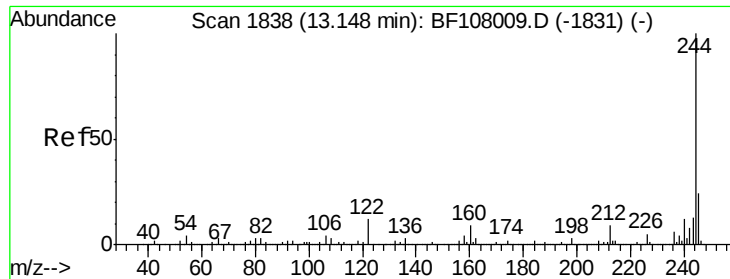
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF108193.D
 Acq: 16 Aug 2018 14:23

Tgt Ion:240 Resp: 731322
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 27.4 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: 88.279 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

Instrument :

BNA_F

ClientSampleId :

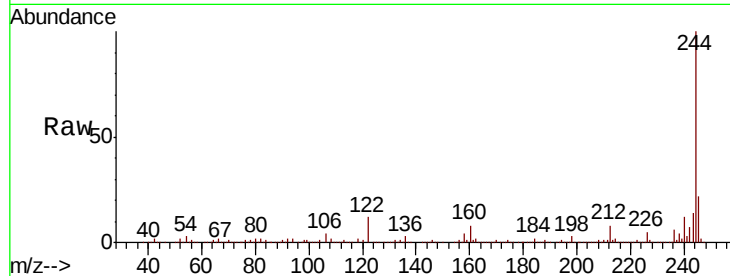
Tot Ion:244 Resp: 2539172

Ion Ratio Lower Upper

244 100

212 8.2 5.4 8.0#

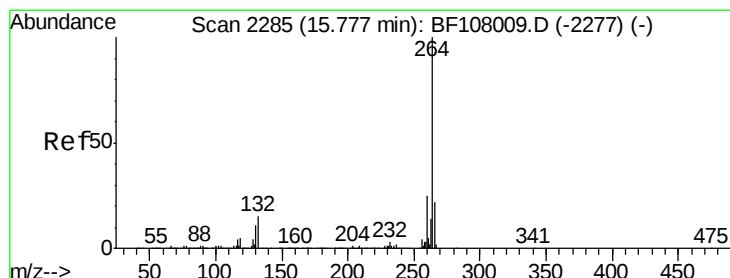
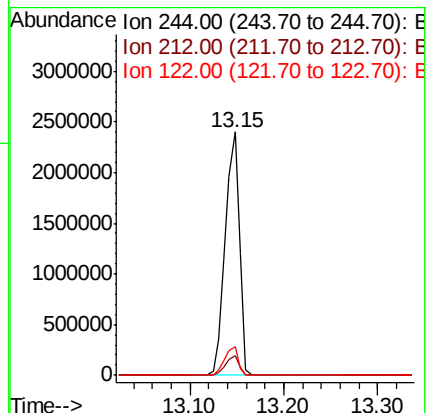
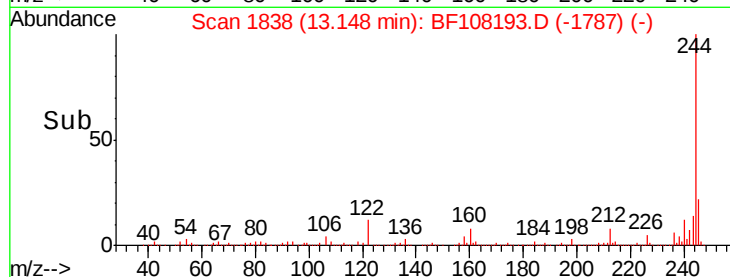
122 11.6 11.0 16.4



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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108193.D

Acq: 16 Aug 2018 14:23

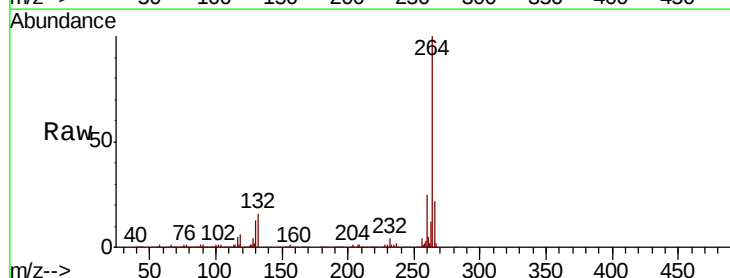
Tgt Ion:264 Resp: 699278

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 22.5 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

