

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108197.D
 Acq On : 16 Aug 2018 16:15
 Operator : JU/SJ
 Sample : J4269-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 16:44:57 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

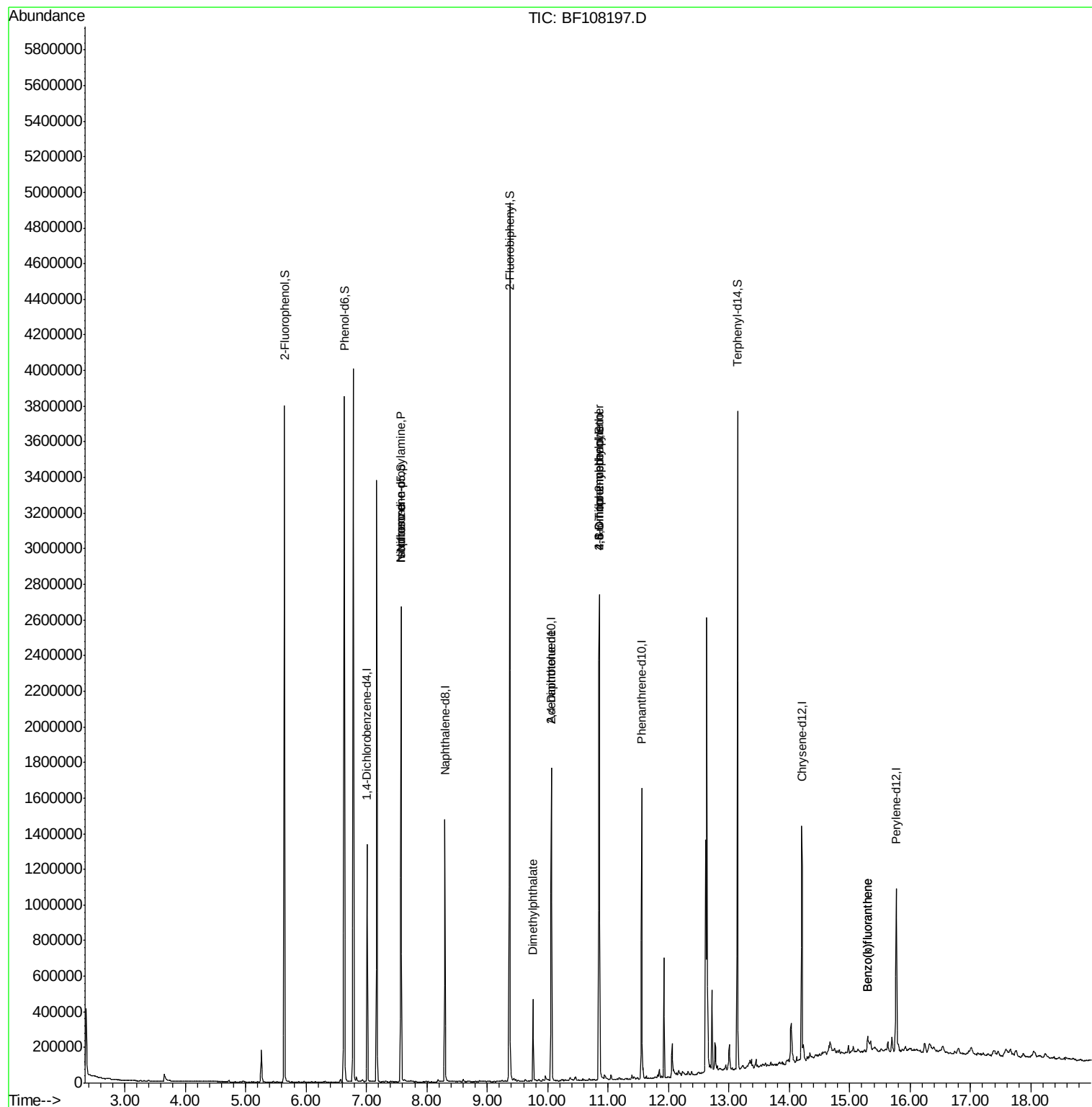
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	176372	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	655865	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	327121	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	554972	20.00	ng	0.00
75) Chrysene-d12	14.21	240	433368	20.00	ng	-0.01
86) Perylene-d12	15.77	264	464033	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	952165	97.74	ng	0.01
7) Phenol-d6	6.64	99	1267116	97.88	ng	0.00
23) Nitrobenzene-d5	7.58	82	858158	73.01	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	334428	102.49	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1458048	71.56	ng	0.00
78) Terphenyl-d14	13.14	244	1176921	69.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	115186	13.158	ng	# 85
25) Isophorone	7.58	82	858150	38.306	ng	# 64
49) Dimethylphthalate	9.76	163	163147	7.160	ng	# 99
56) 2,4-Dinitrotoluene	10.06	165	41643	6.786	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	787	5.694	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	22050	3.656	ng	# 1
87) Benzo(b)fluoranthene	15.30	252	68337	2.465	ng	97
88) Benzo(k)fluoranthene	15.30	252	68337	2.681	ng	100

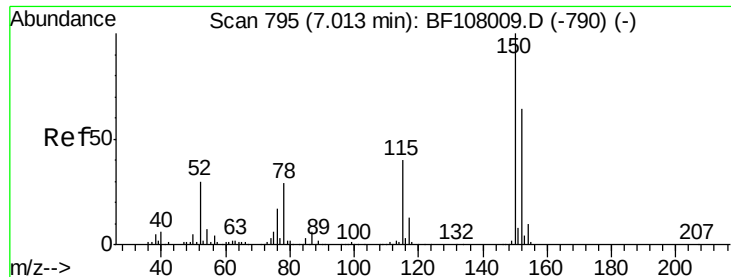
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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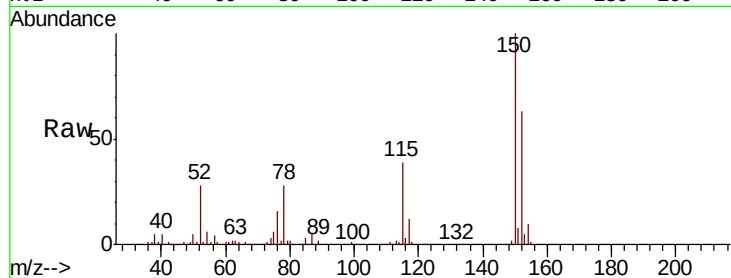


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108197.D
Acq: 16 Aug 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	62.2	50.1	75.1

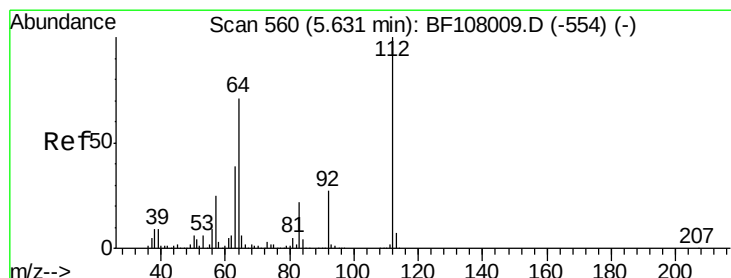
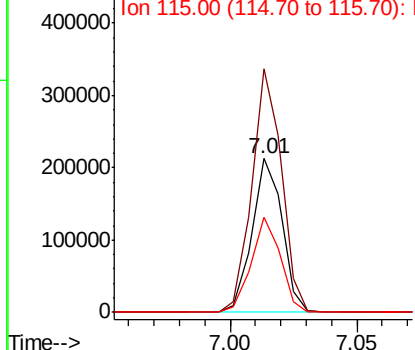
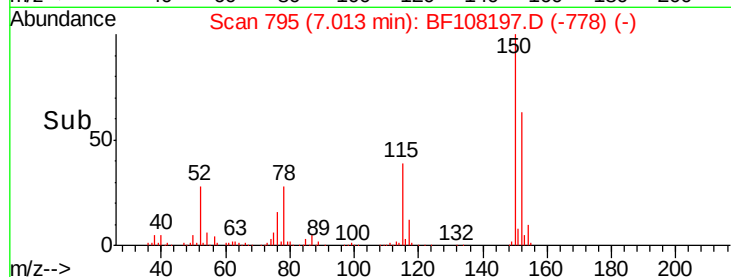


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

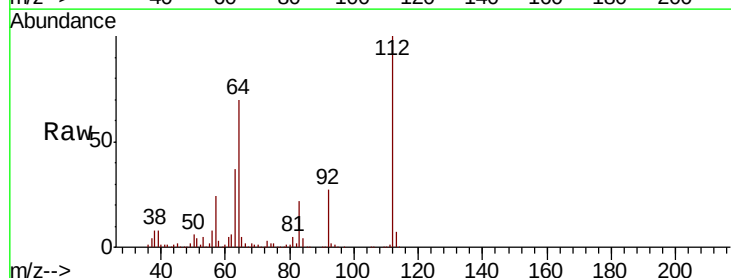
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.740 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108197.D
Acq: 16 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	47.9	71.9
63	37.2	23.7	35.5

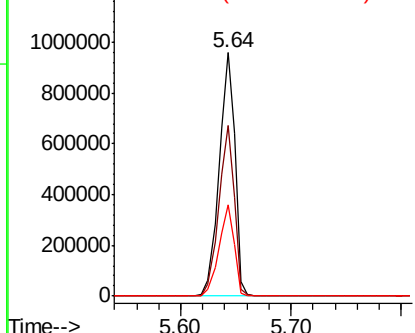
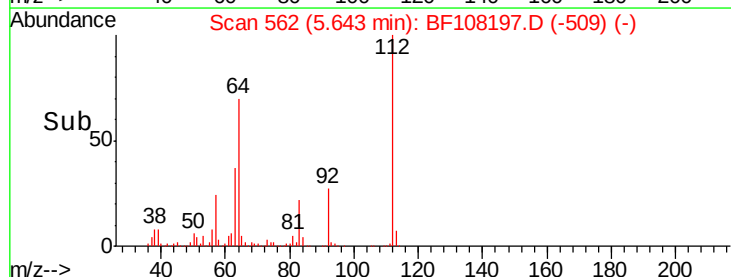


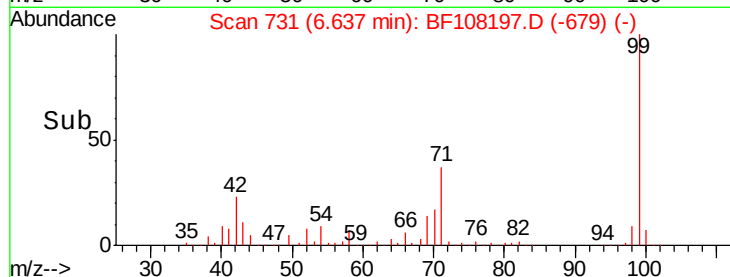
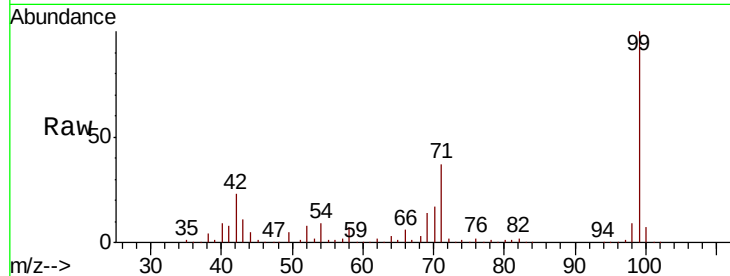
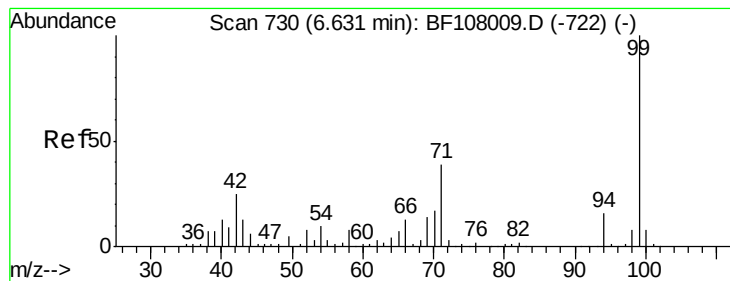
Abundance

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: 97.880 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

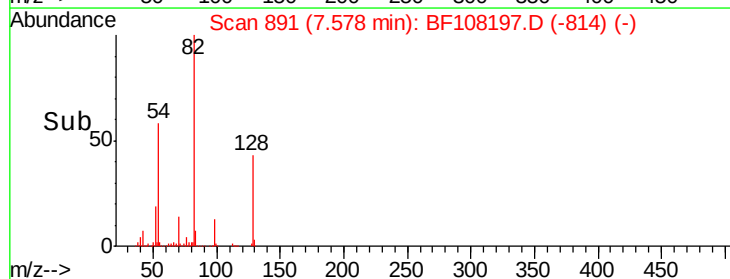
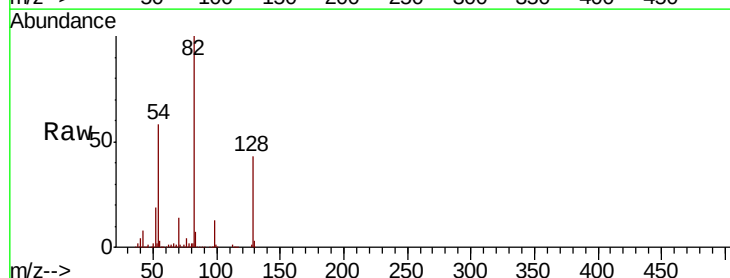
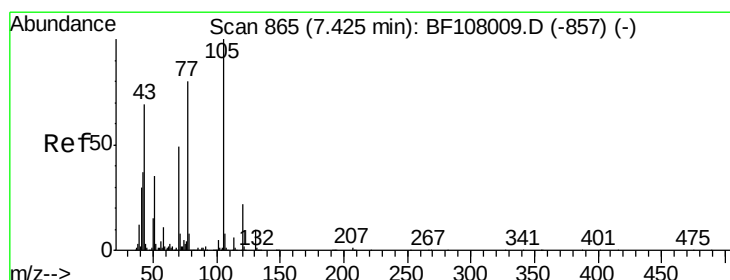
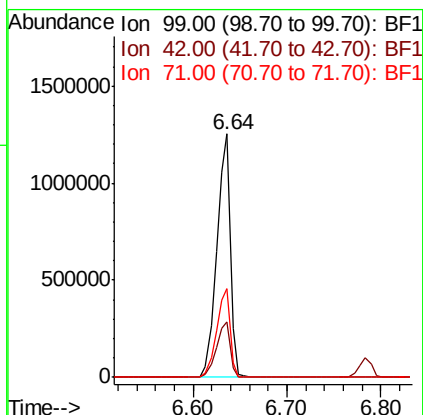
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1267116

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.5	21.7#
71	36.5	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.158 ng

RT: 7.58 min Scan# 891

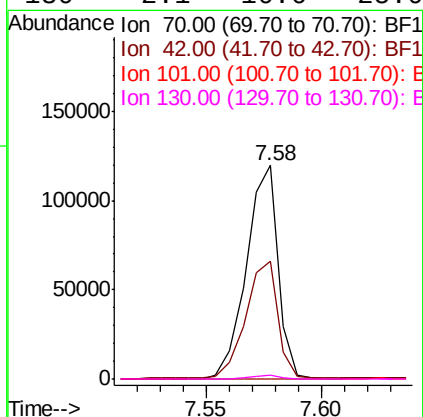
Delta R.T. 0.15 min

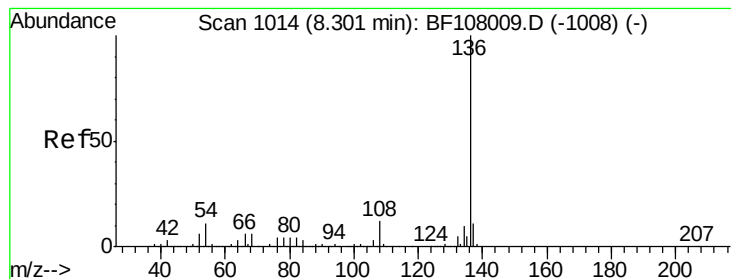
Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

Tgt Ion: 70 Resp: 115186

Ion	Ratio	Lower	Upper
70	100		
42	55.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108197.D

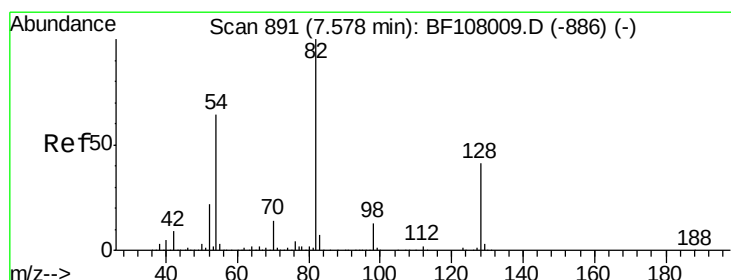
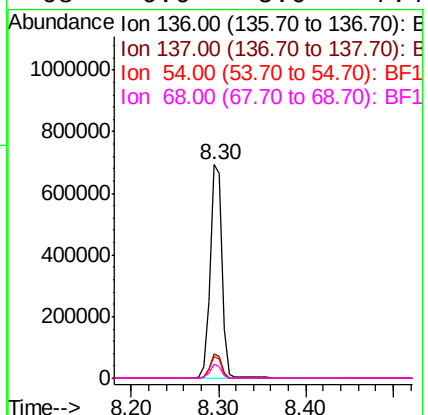
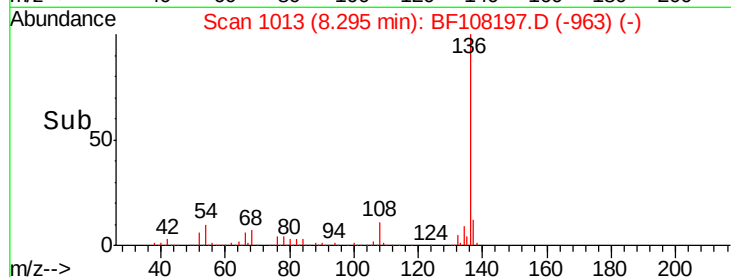
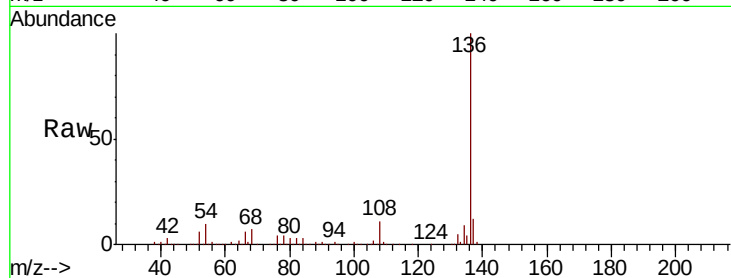
Acq: 16 Aug 2018 16:15

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	655865
Ion Ratio	Lower	Upper
136	100	
137	11.7	8.9 13.3
54	10.3	6.6 9.8#
68	6.6	5.0 7.4



#23

Nitrobenzene-d5

Concen: 73.013 ng

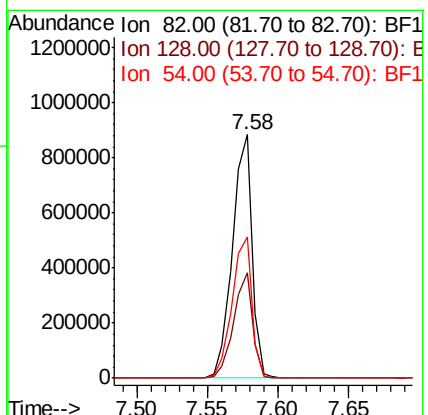
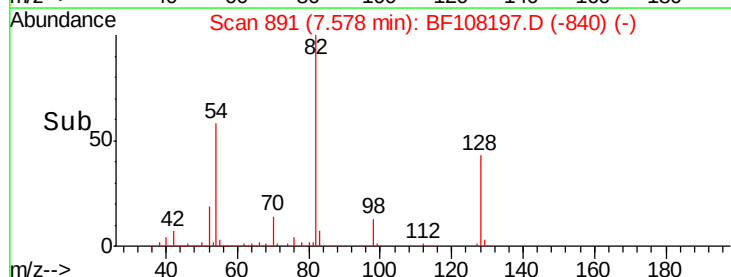
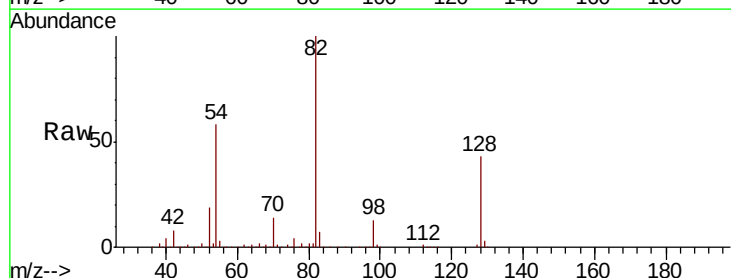
RT: 7.58 min Scan# 891

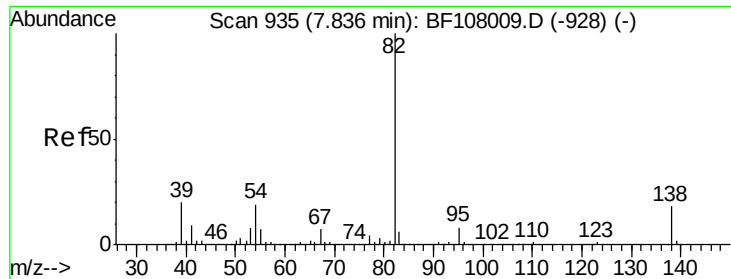
Delta R.T. 0.00 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

Tgt Ion: 82	Resp:	858158
Ion Ratio	Lower	Upper
82	100	
128	43.1	36.1 54.1
54	57.9	41.4 62.2





#25

Isophorone

Concen: 38.306 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

Instrument :

BNA_F

ClientSampled :

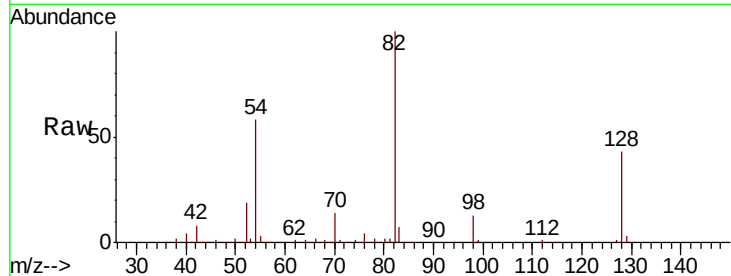
Tot Ion: 82 Resp: 858150

Ion Ratio Lower Upper

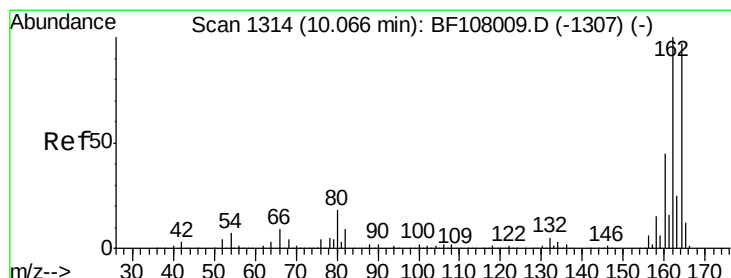
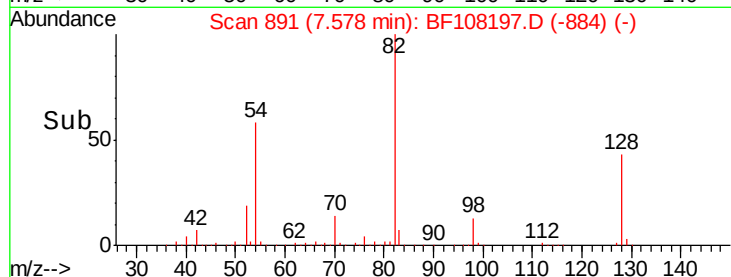
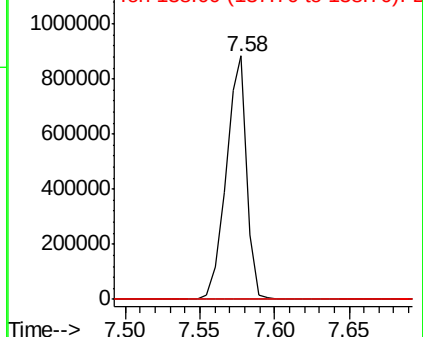
82 100

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: BF108197.D

Acq: 16 Aug 2018 16:15

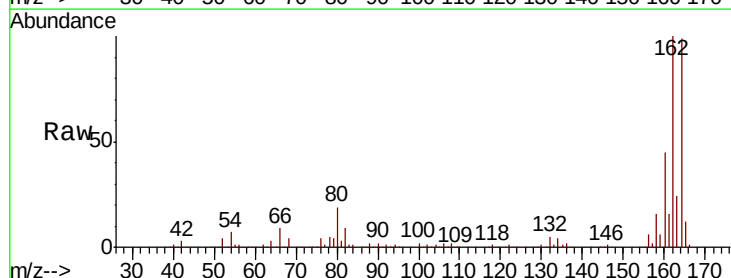
Tgt Ion: 164 Resp: 327121

Ion Ratio Lower Upper

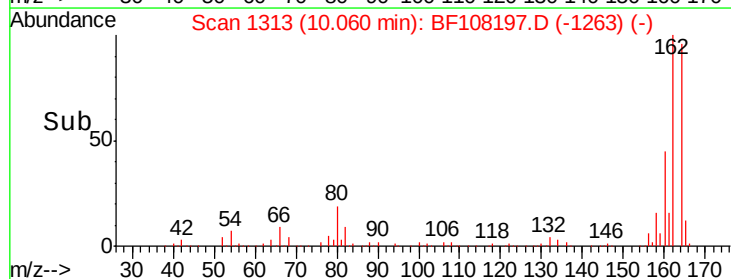
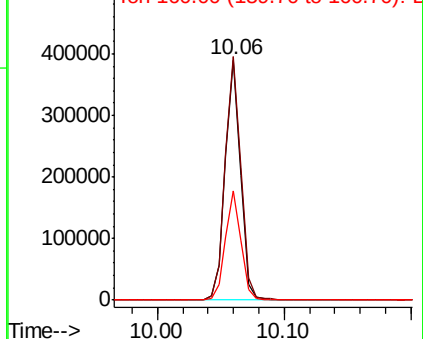
164 100

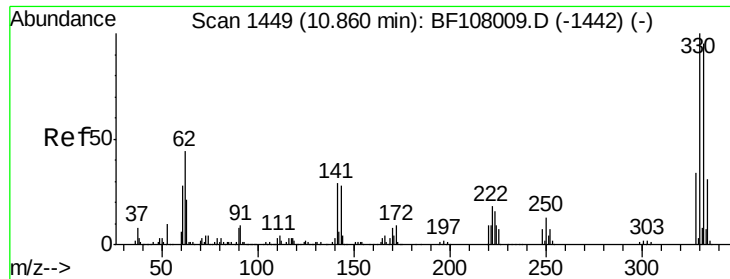
162 101.5 86.1 129.1

160 45.7 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

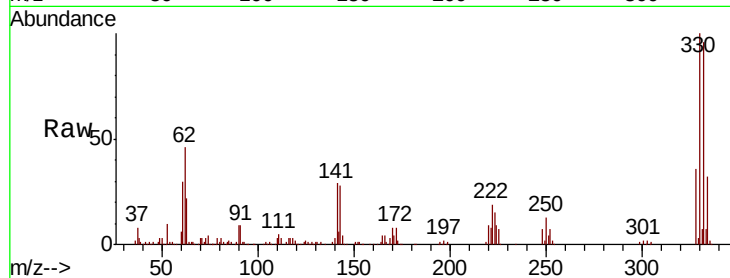




#41
 2,4,6-Tribromophenol
 Concen: 102.493 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	32.6	29.9	44.9

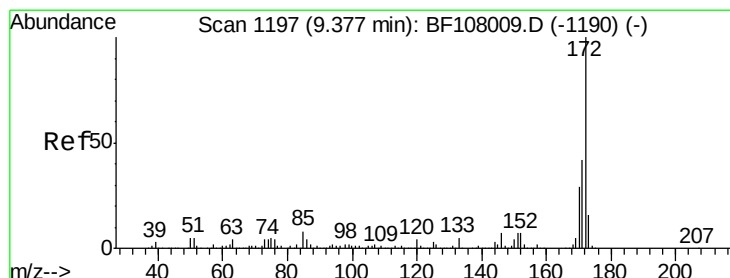
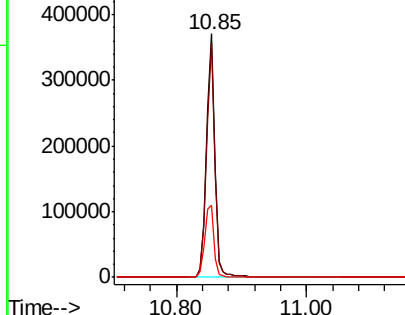
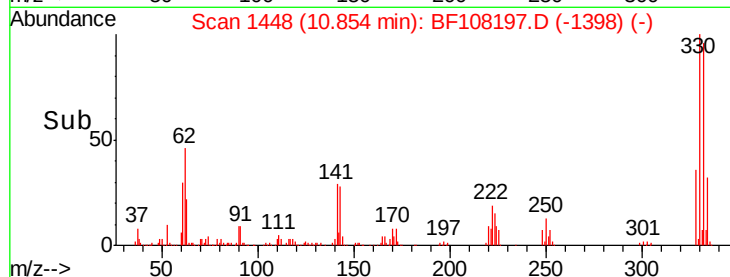


Abundance

Ion 329.80 (329.50 to 330.50): E

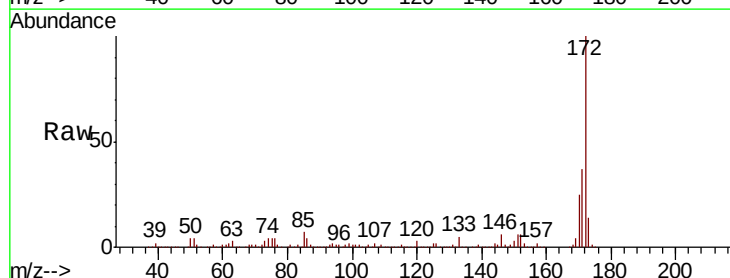
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 71.559 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.6	19.6	29.4

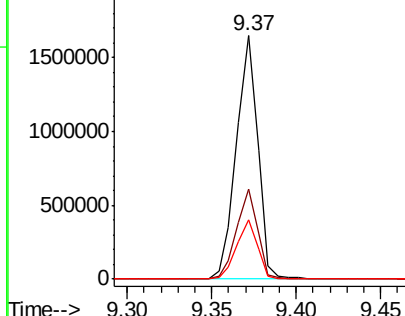
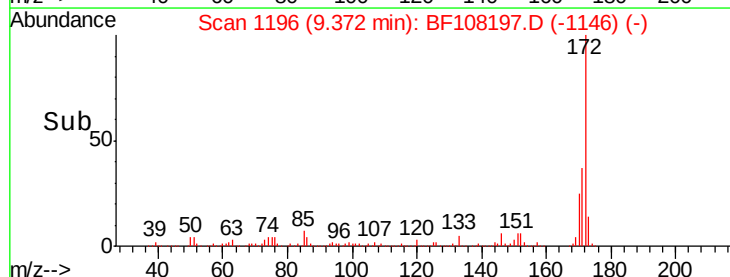


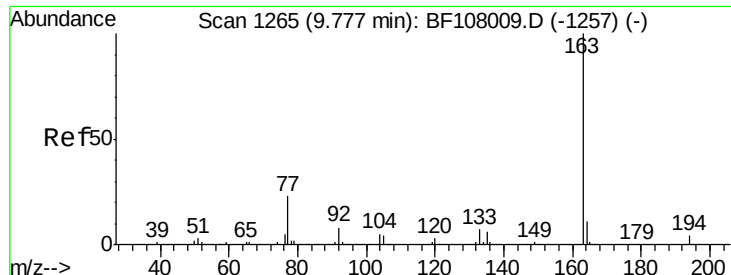
Abundance

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

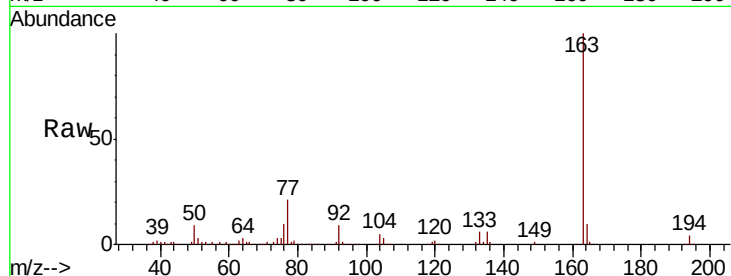




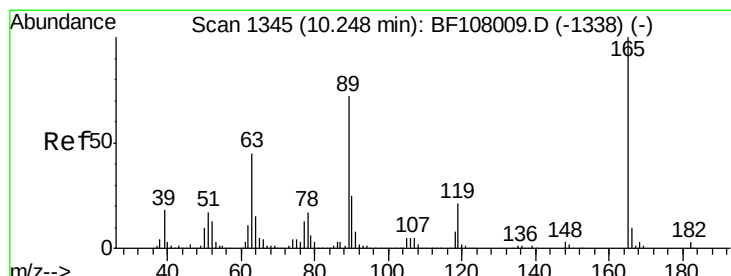
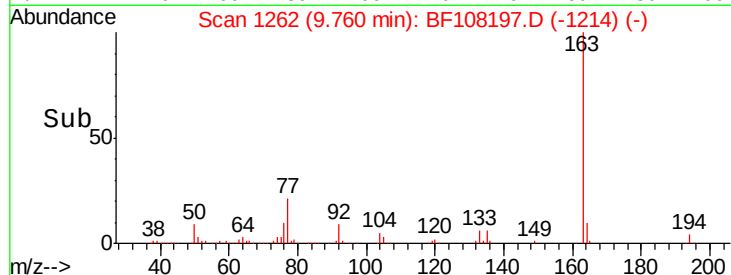
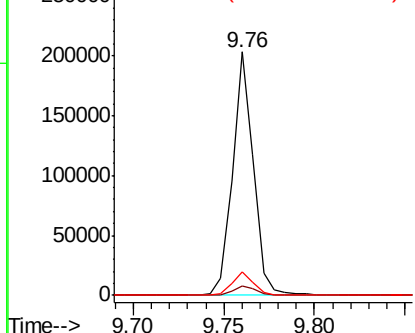
#49
Dimethylphthalate
Concen: 7.160 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108197.D
Acq: 16 Aug 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.9	8.2	12.2



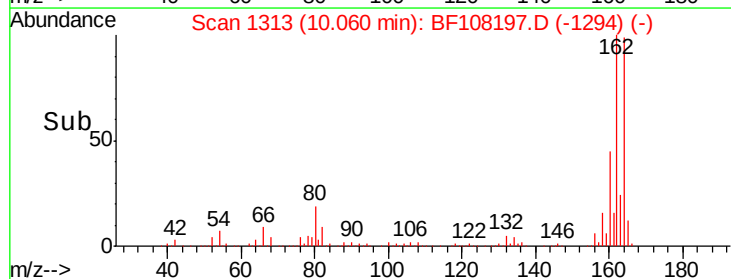
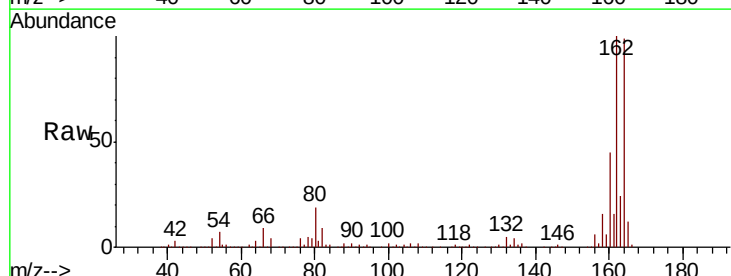
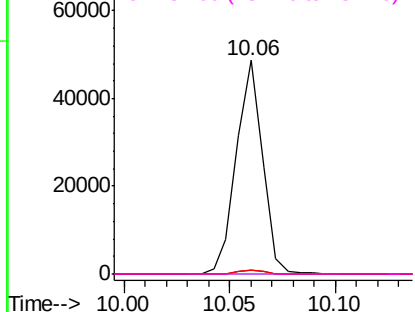
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

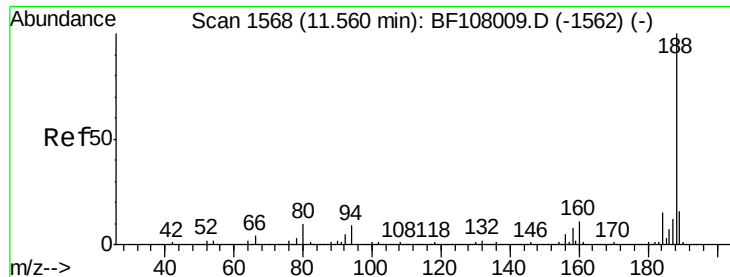


#56
2,4-Dinitrotoluene
Concen: 6.786 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108197.D
Acq: 16 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	2.1	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

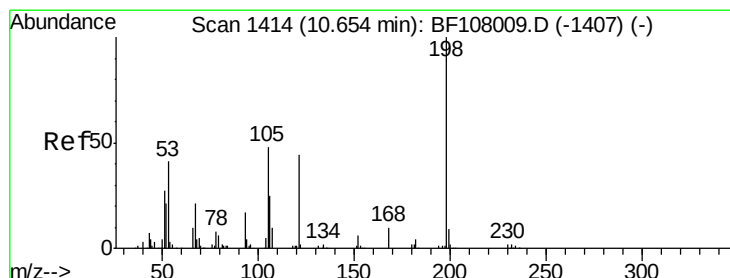
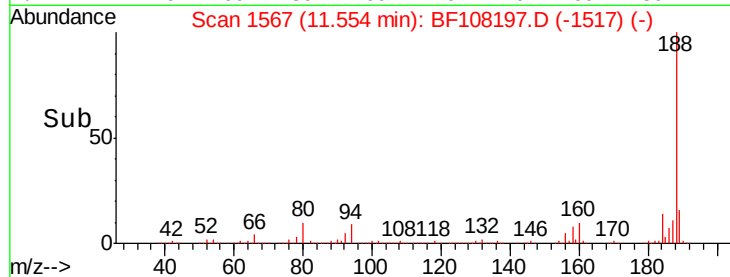
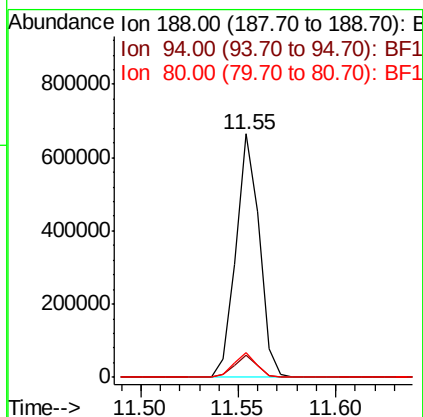
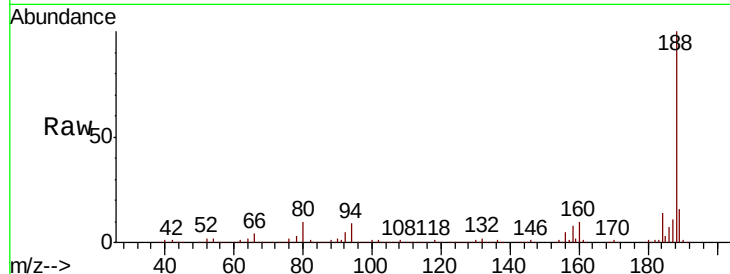




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

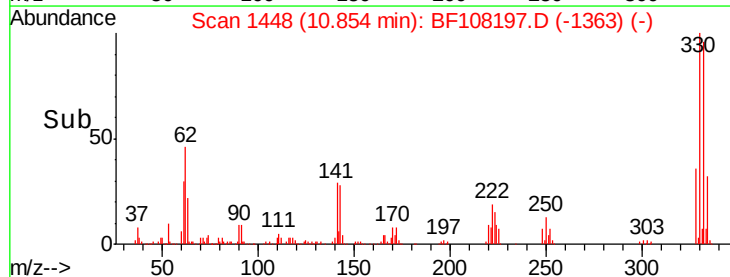
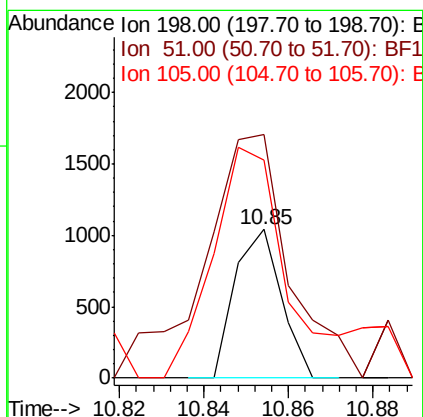
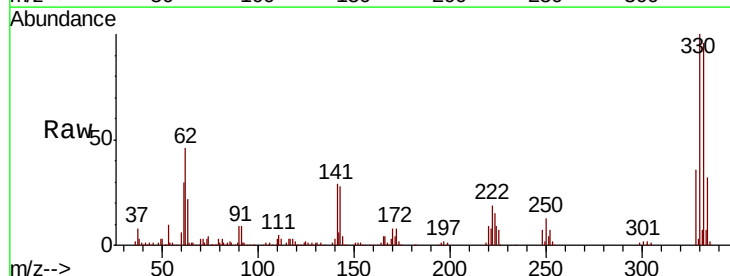
Instrument :
 BNA_F
 ClientSampled :

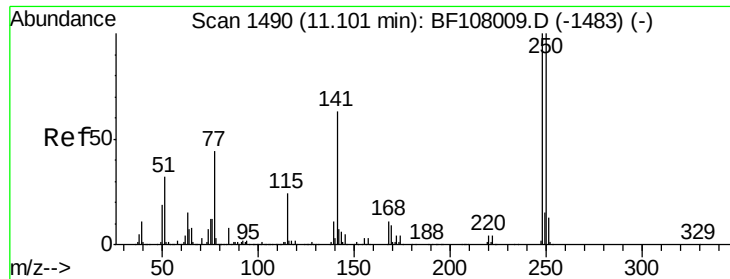
Tot Ion:188 Resp: 554972
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 10.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.694 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

Tgt Ion:198 Resp: 787
 Ion Ratio Lower Upper
 198 100
 51 163.9 37.7 77.7#
 105 146.5 36.3 76.3#

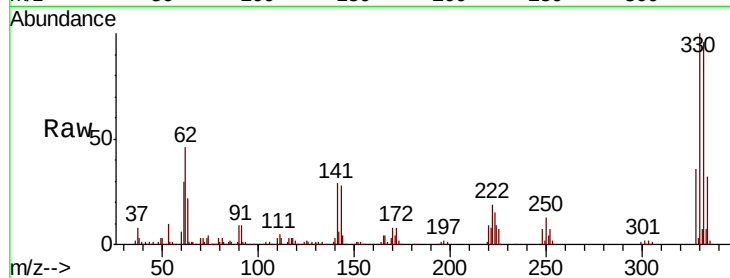




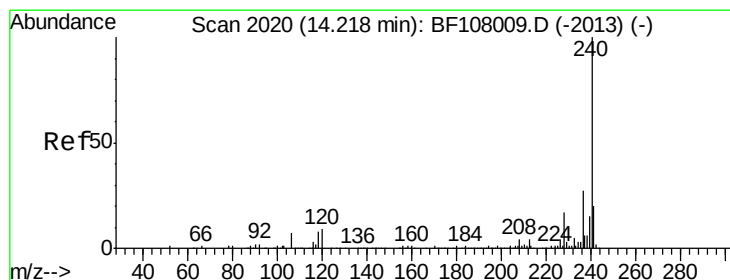
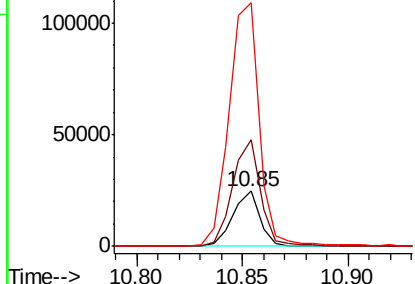
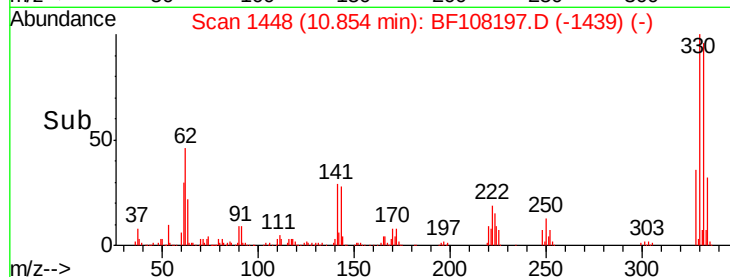
#66
 4-Bromophenyl-phenylether
 Concen: 3.656 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 22050
 Ion Ratio Lower Upper
 248 100
 250 191.8 76.9 115.3#
 141 439.4 74.4 111.6#

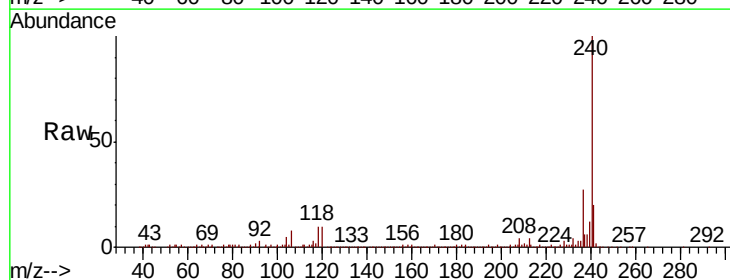


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

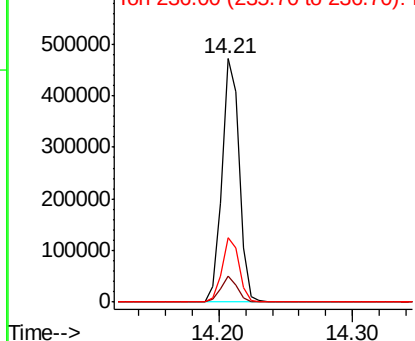
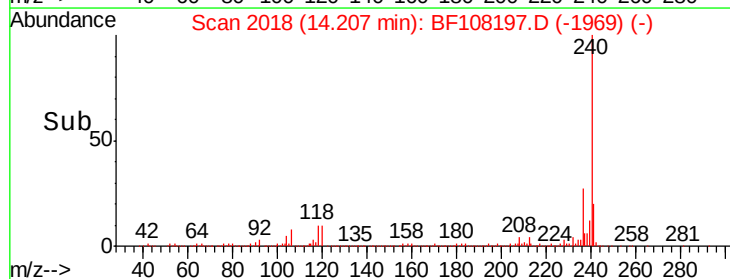


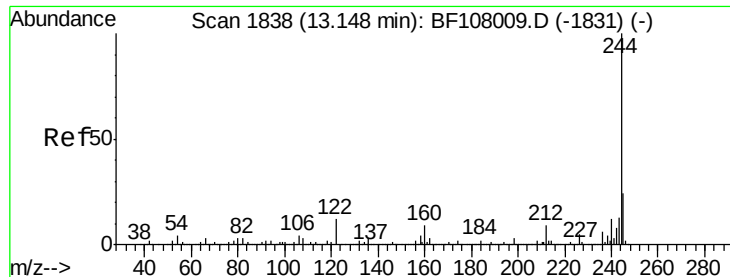
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF108197.D
 Acq: 16 Aug 2018 16:15

Tgt Ion:240 Resp: 433368
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.5 14.3
 236 26.7 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





#78

Terphenyl-d14

Concen: 69.050 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

Instrument :

BNA_F

ClientSampleId :

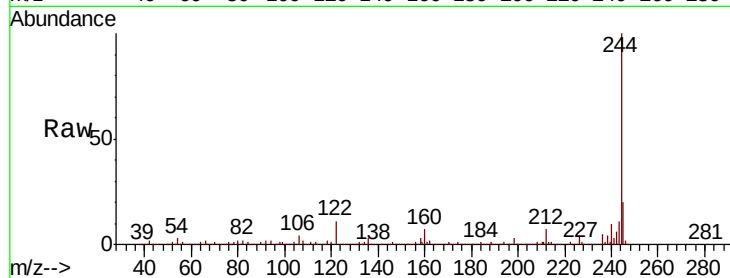
Tot Ion:244 Resp: 1176921

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

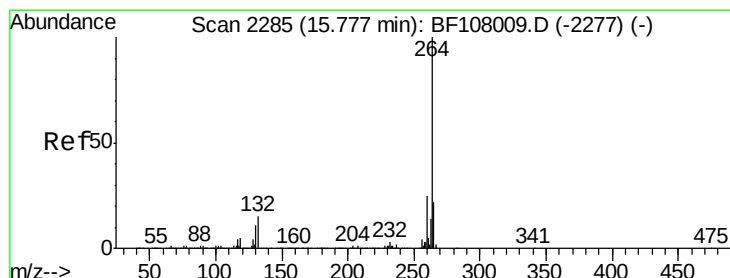
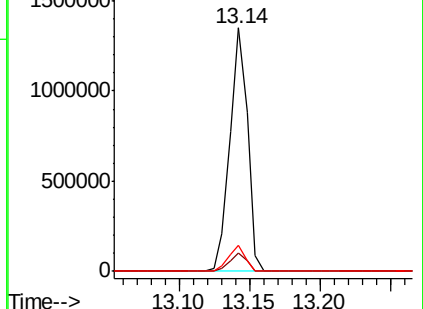
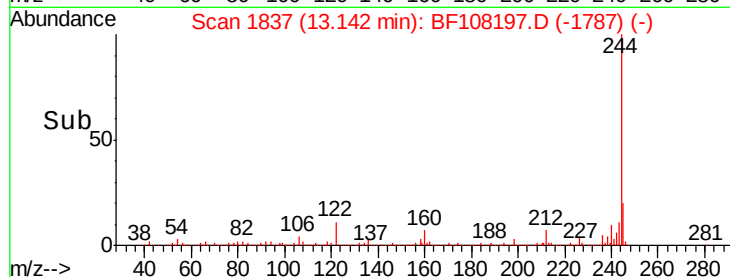
122 10.6 11.0 16.4#



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: BF108197.D

Acq: 16 Aug 2018 16:15

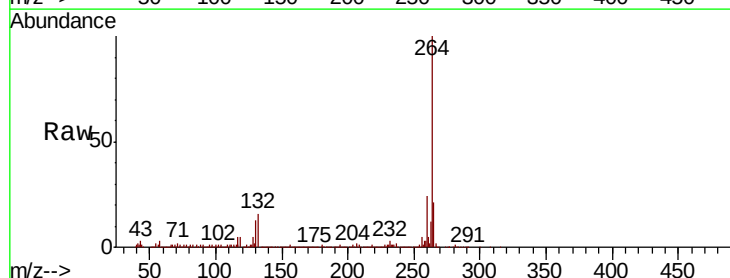
Tgt Ion:264 Resp: 464033

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

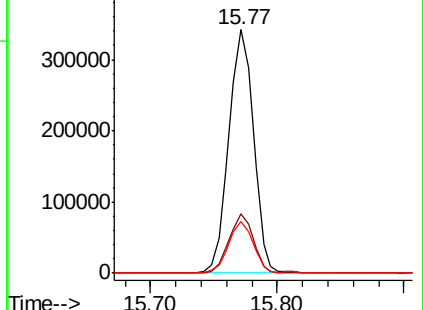
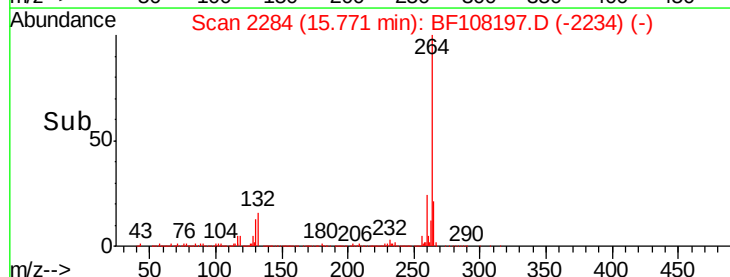
265 21.0 17.5 26.3

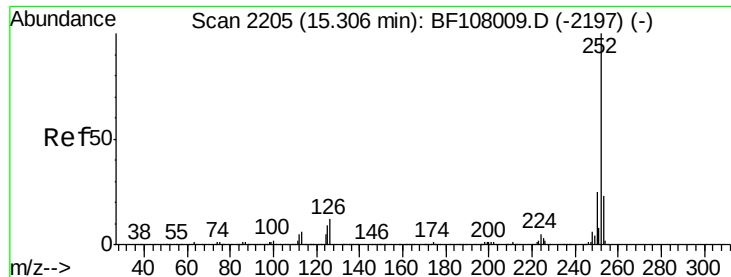


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.465 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

Instrument :

BNA_F

ClientSampleId :

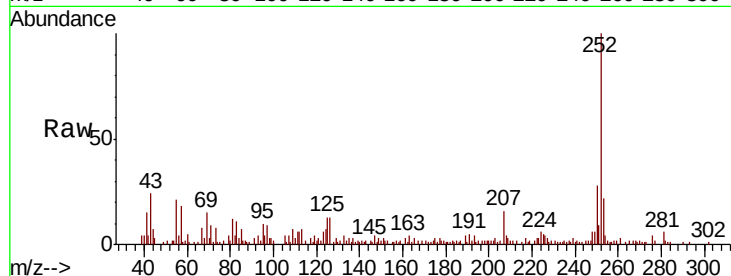
Tot Ion:252 Resp: 68337

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

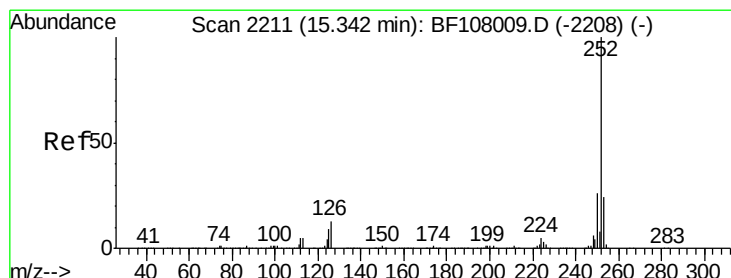
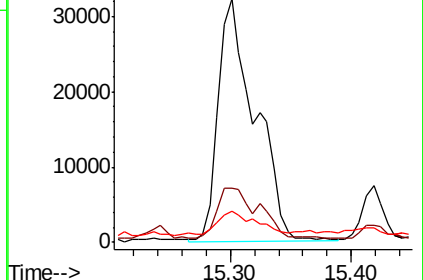
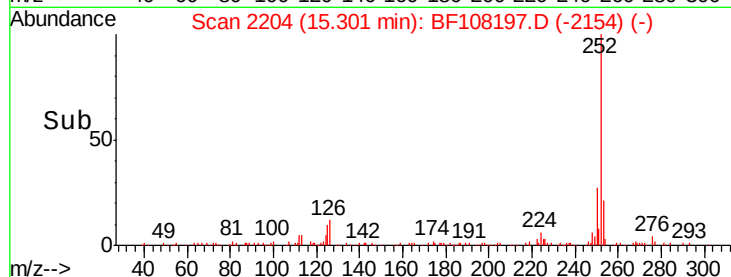
125 13.0 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.681 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.04 min

Lab File: BF108197.D

Acq: 16 Aug 2018 16:15

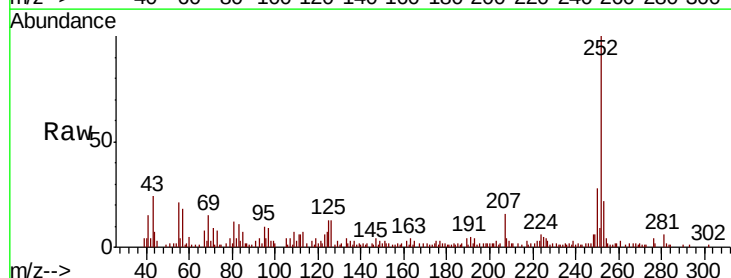
Tgt Ion:252 Resp: 68337

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 13.0 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

