

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108194.D
 Acq On : 16 Aug 2018 14:54
 Operator : JU/SJ
 Sample : J4477-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 16:02:29 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	184685	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	701650	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	355891	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	662437	20.00	ng	0.00
75) Chrysene-d12	14.21	240	420530	20.00	ng	-0.01
86) Perylene-d12	15.77	264	471161	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1079035	105.78	ng	0.02
7) Phenol-d6	6.64	99	1464409	108.03	ng	0.00
23) Nitrobenzene-d5	7.58	82	969934	77.14	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	379995	107.04	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1759402	79.37	ng	0.00
78) Terphenyl-d14	13.14	244	1549564	93.69	ng	0.00

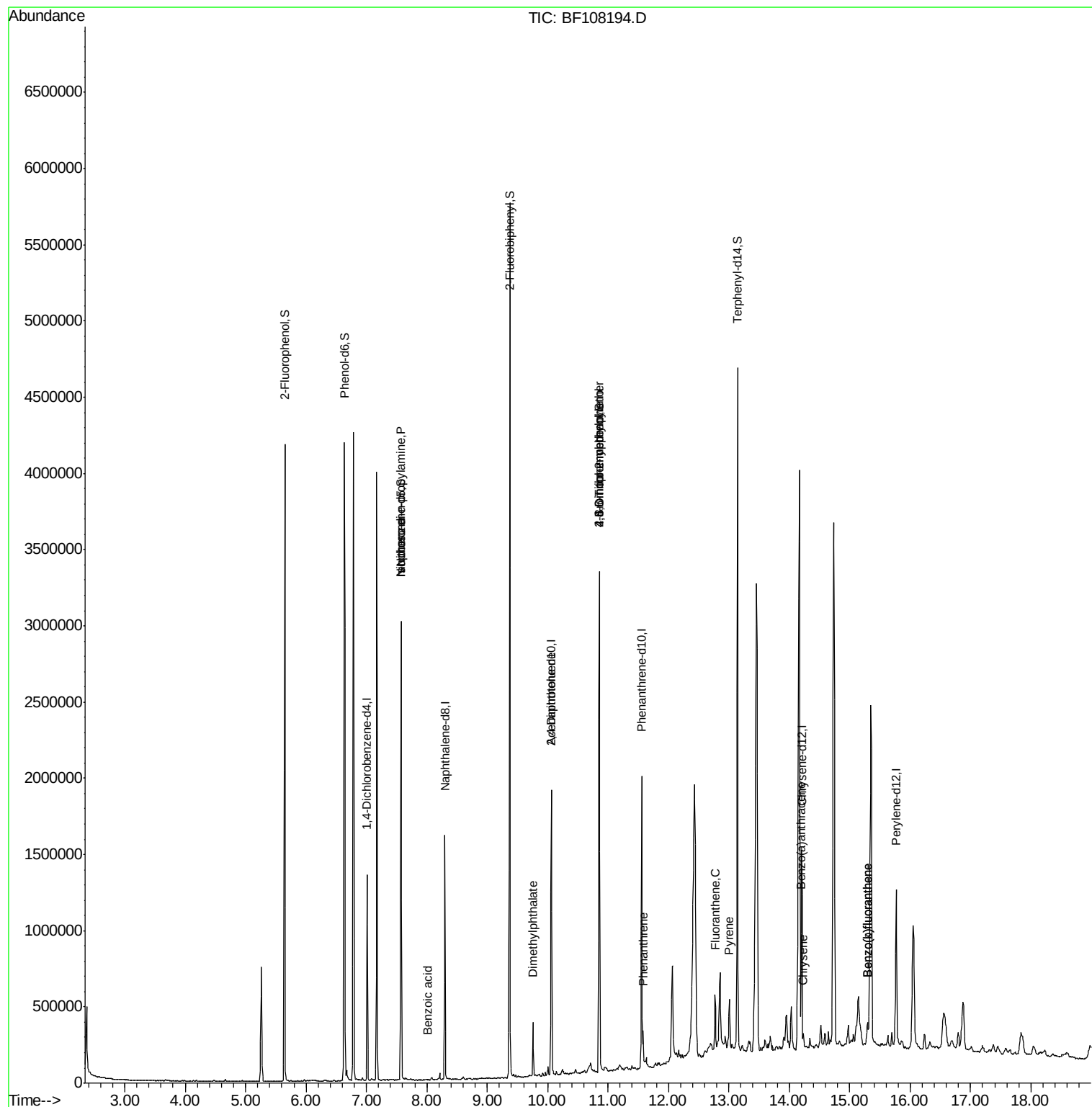
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	132651	14.471	ng	# 84
25) Isophorone	7.58	82	969925	40.470	ng	# 64
32) Benzoic acid	8.01	122	304	6.018	ng	# 1
49) Dimethylphthalate	9.76	163	122493	4.941	ng	99
56) 2,4-Dinitrotoluene	10.06	165	47434	7.105	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1026	5.725	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	25142	3.492	ng	# 1
70) Phenanthrene	11.58	178	65127	2.084	ng	97
74) Fluoranthene	12.77	202	126783	3.718	ng	96
77) Pyrene	13.01	202	117298	4.406	ng	98
80) Benzo(a)anthracene	14.19	228	51281	2.125	ng	100
82) Chrysene	14.23	228	47227	2.134	ng	99
87) Benzo(b)fluoranthene	15.29	252	85919	3.052	ng	96
88) Benzo(k)fluoranthene	15.29	252	85919	3.320	ng	97

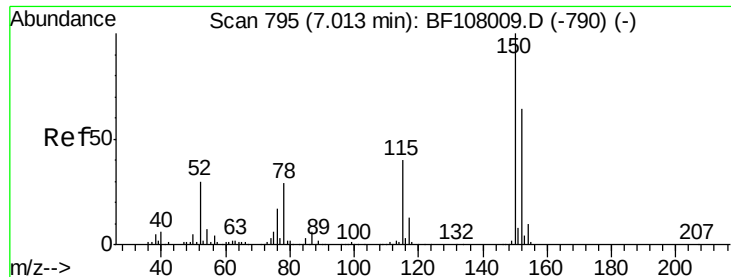
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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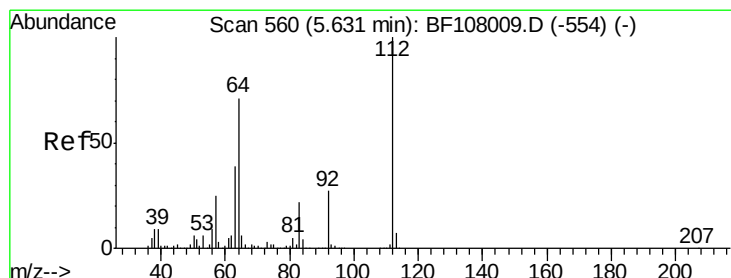
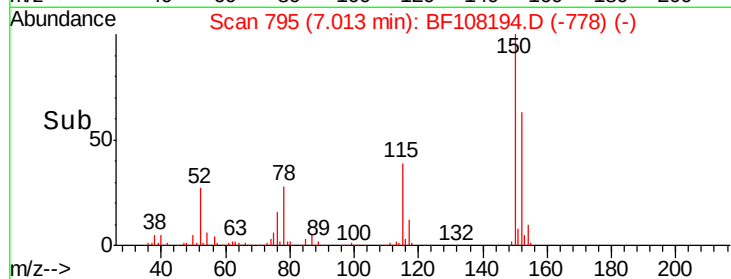
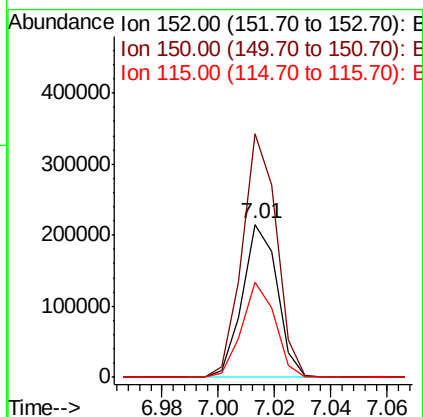
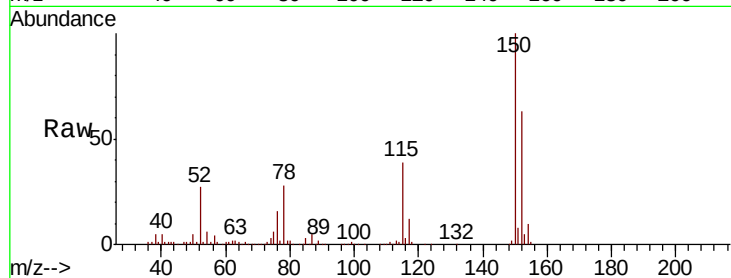


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Instrument :
BNA_F
ClientSampleId :

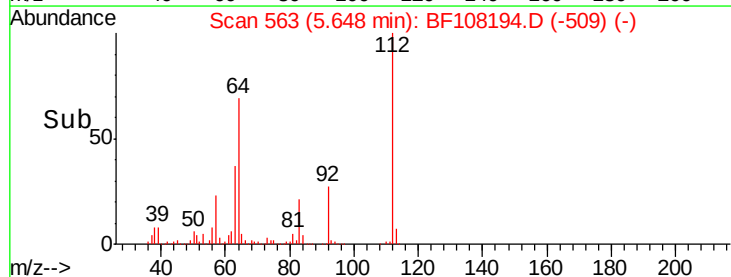
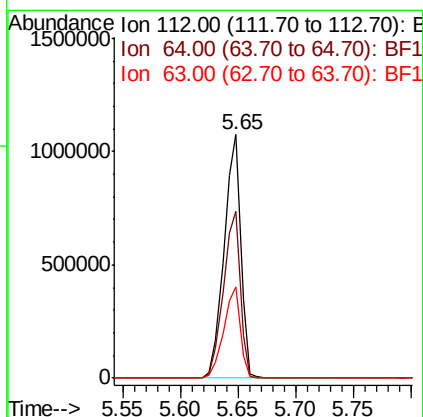
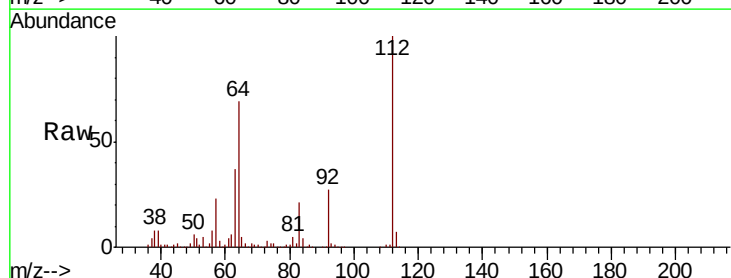
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	62.5	50.1	75.1

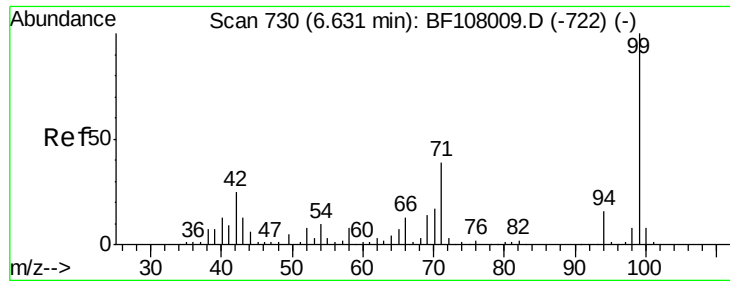


#5

2-Fluorophenol
Concen: 105.777 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	47.9	71.9
63	37.4	23.7	35.5





#7

Phenol-d6

Concen: 108.028 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

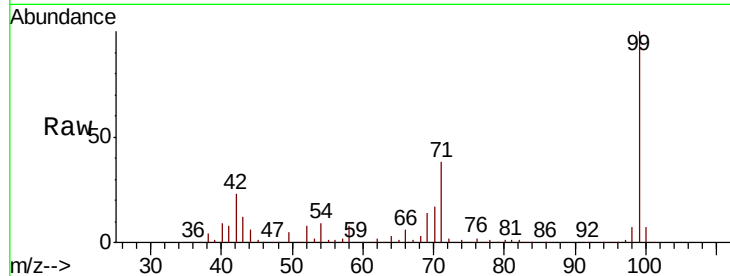
Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

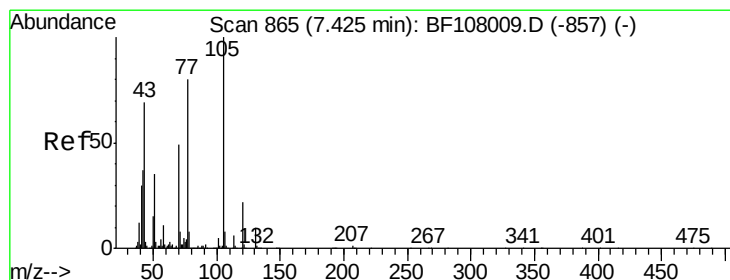
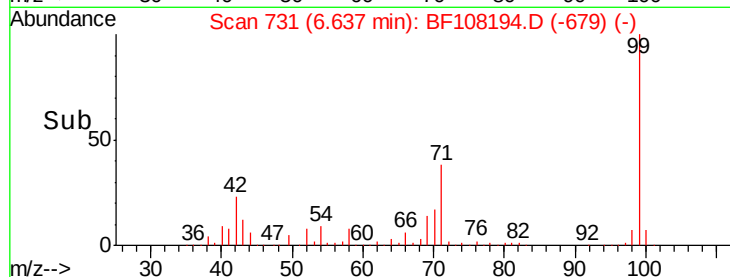
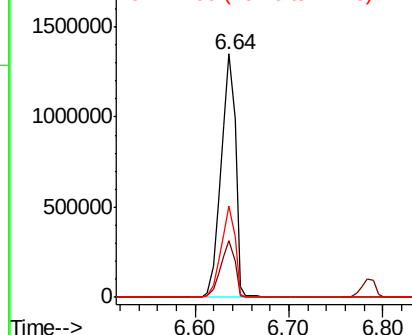
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 1464409

Ion	Ratio	Lower	Upper
99	100		
42	23.4	14.5	21.7#
71	37.7	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: 14.471 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

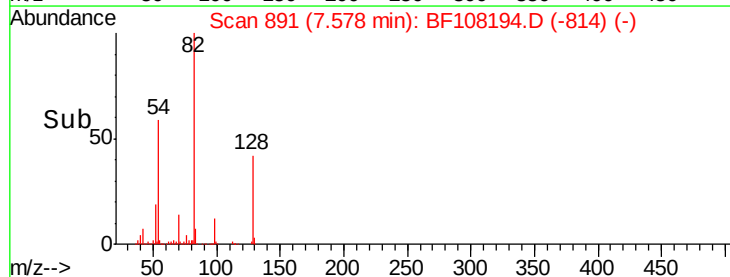
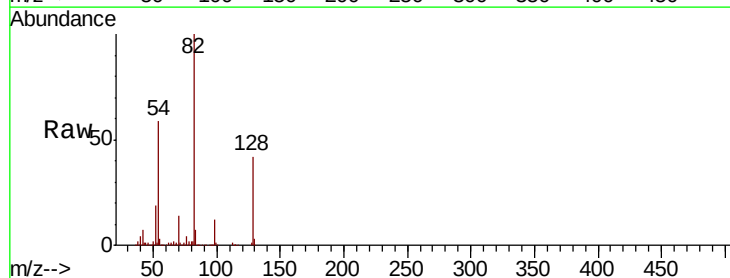
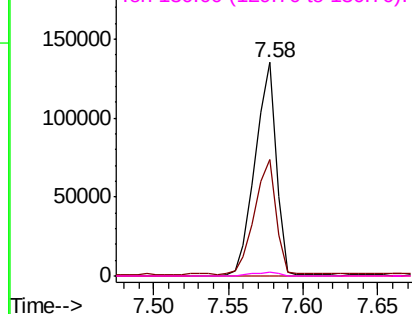
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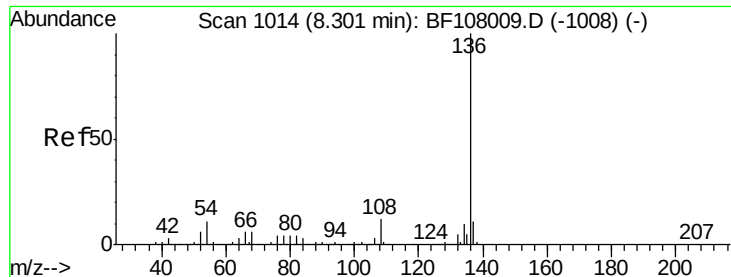
Acq: 16 Aug 2018 14:54

Tgt Ion: 70 Resp: 132651

Ion	Ratio	Lower	Upper
70	100		
42	54.3	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# 1013

Delta R.T. -0.01 min

Lab File: BF108194.D

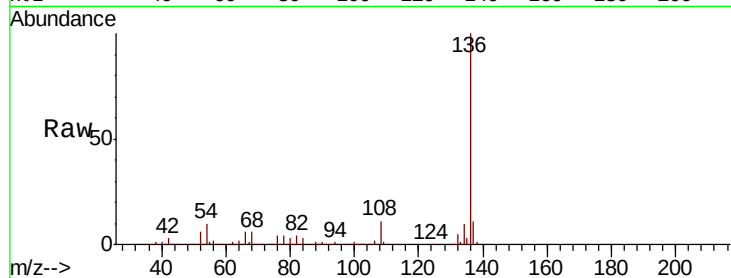
Acq: 16 Aug 2018 14:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	701650
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	10.4	6.6 9.8#
68	6.3	5.0 7.4

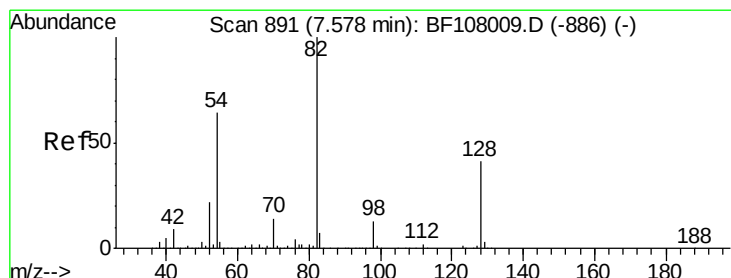
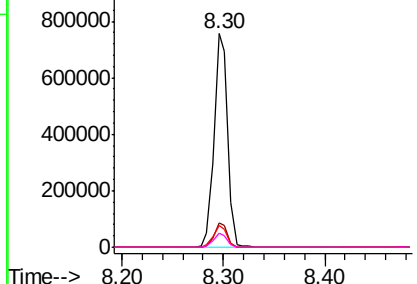
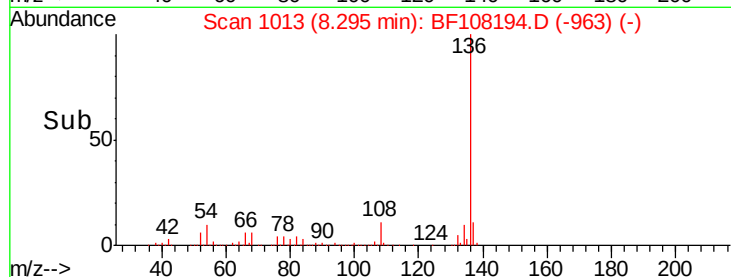


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.138 ng

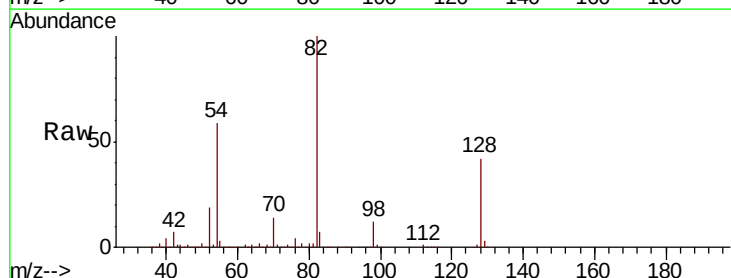
RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

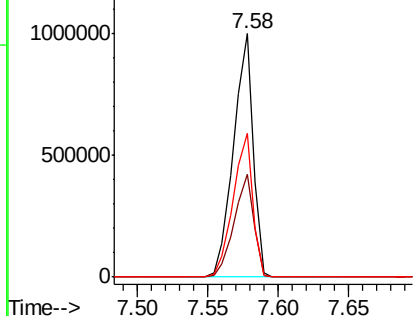
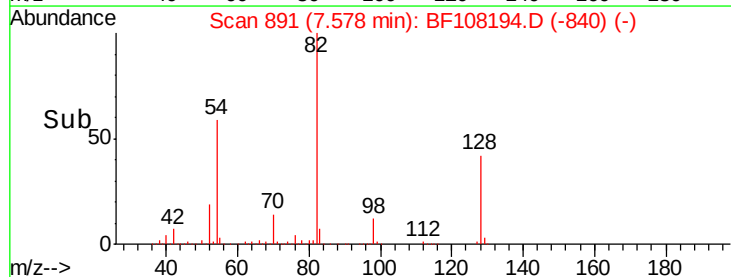
Tgt Ion: 82	Resp:	969934
Ion Ratio	Lower	Upper
82	100	
128	42.3	36.1 54.1
54	58.9	41.4 62.2

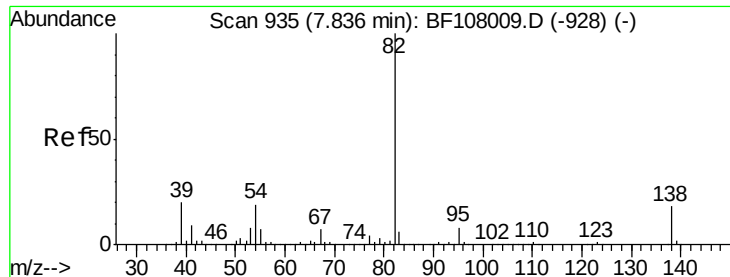


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

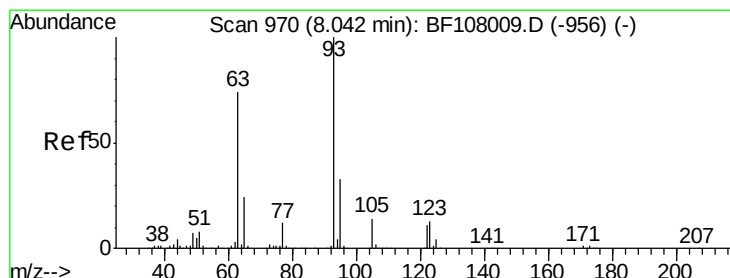
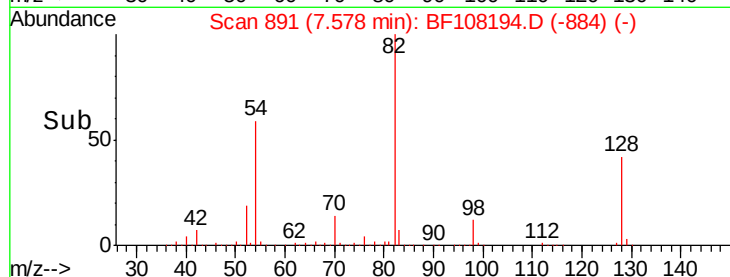
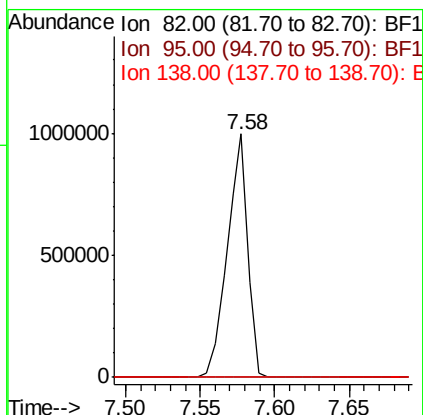
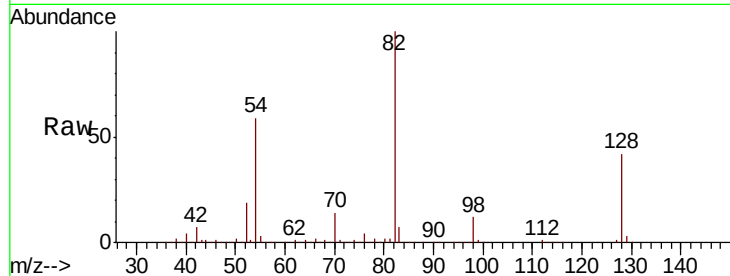




#25
Isophorone
Concen: 40.470 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

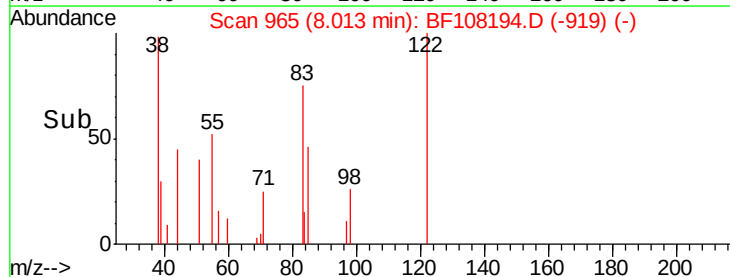
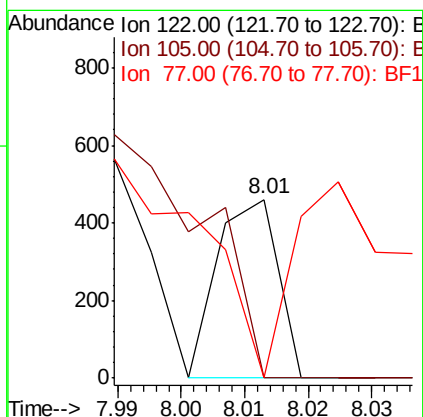
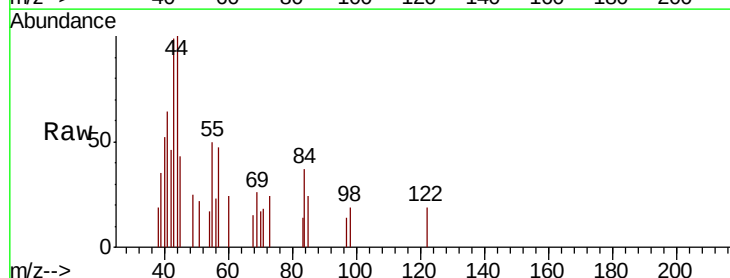
Instrument :
BNA_F
ClientSampleId :

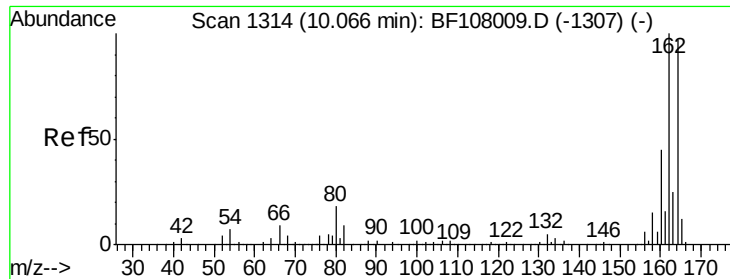
Tot Ion: 82 Resp: 969925
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 6.018 ng
RT: 8.01 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Tgt Ion: 122 Resp: 304
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

Instrument :

BNA_F

ClientSampleId :

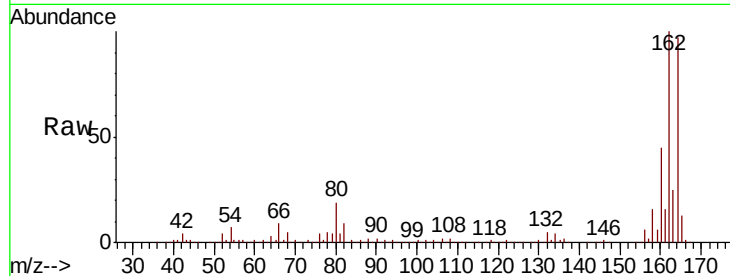
Tot Ion:164 Resp: 355891

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

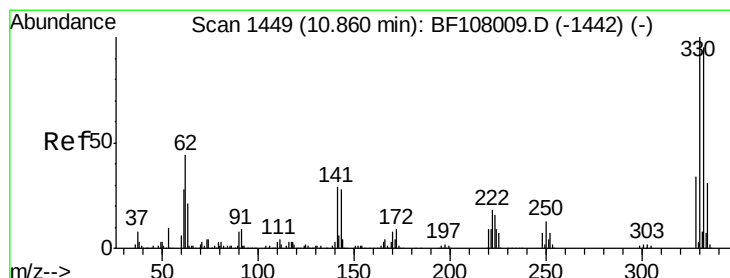
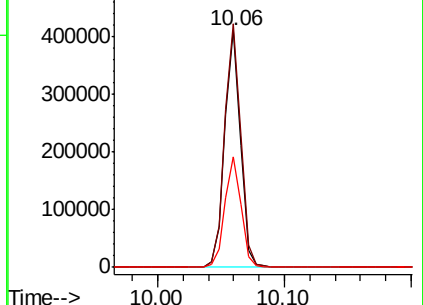
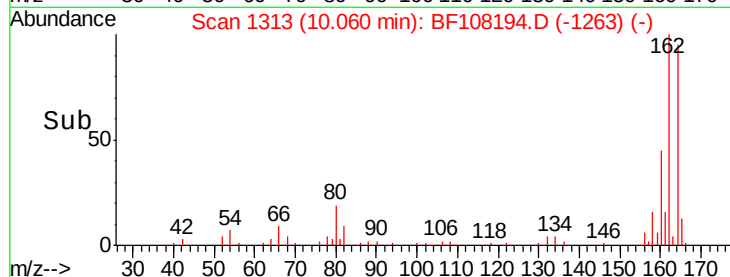
160 46.4 38.3 57.5



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: 107.043 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

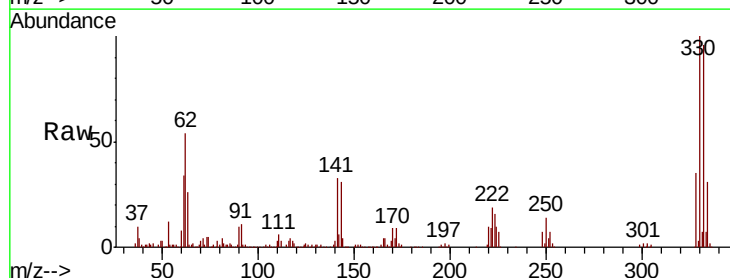
Tgt Ion:330 Resp: 379995

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

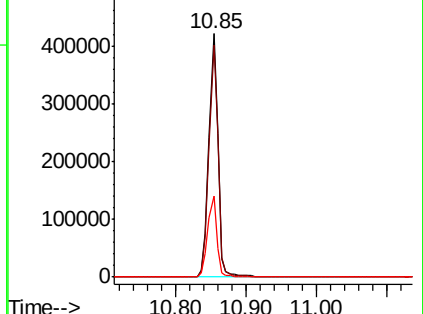
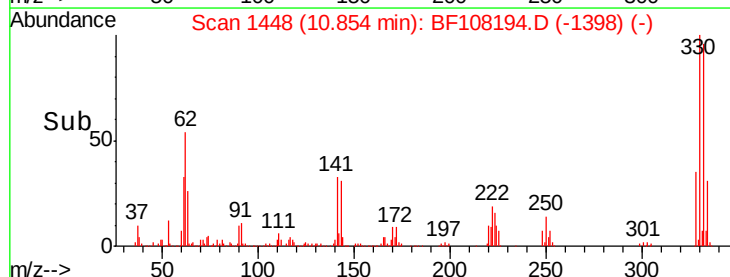
141 33.0 29.9 44.9

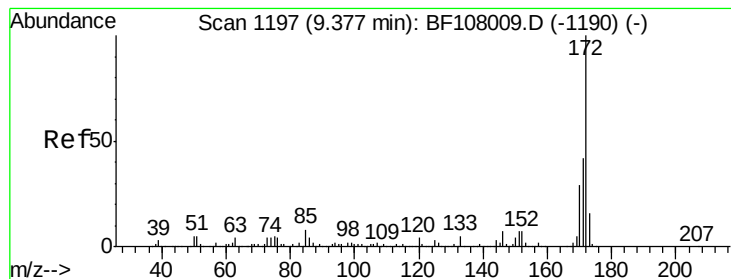


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 79.369 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

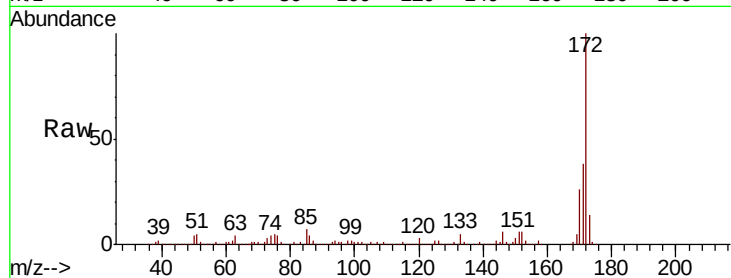
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1759402

Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.7	44.5
170	25.7	19.6	29.4

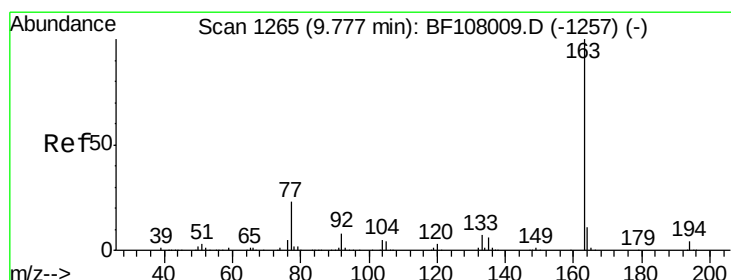
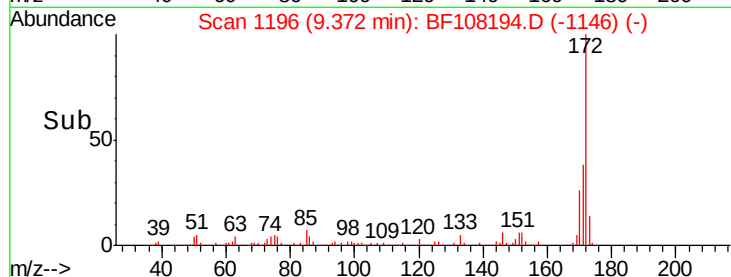
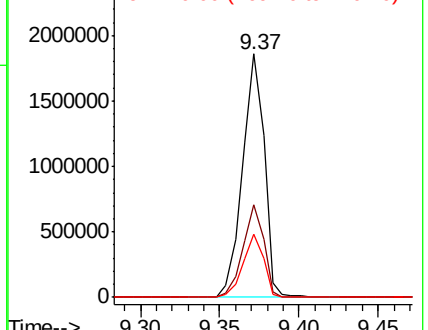


Abundance

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: 4.941 ng

RT: 9.76 min Scan# 1262

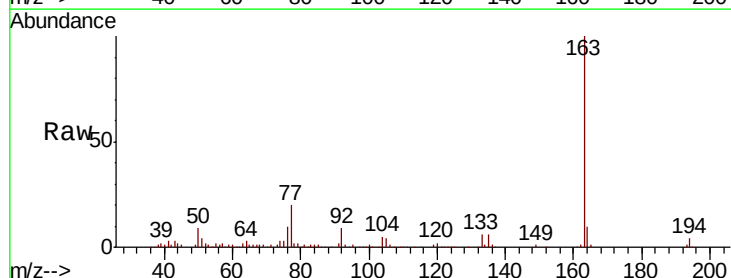
Delta R.T. -0.02 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

Tgt Ion:163 Resp: 122493

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.0	8.2	12.2

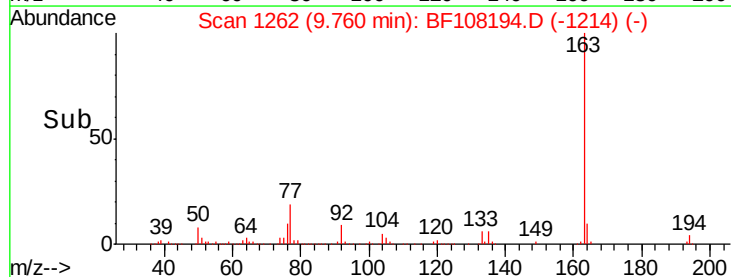
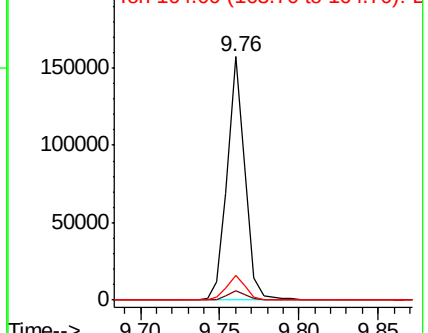


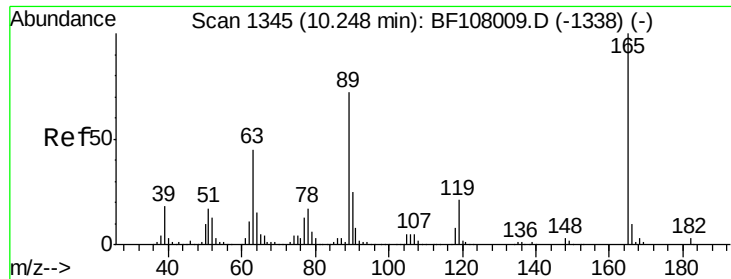
Abundance

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

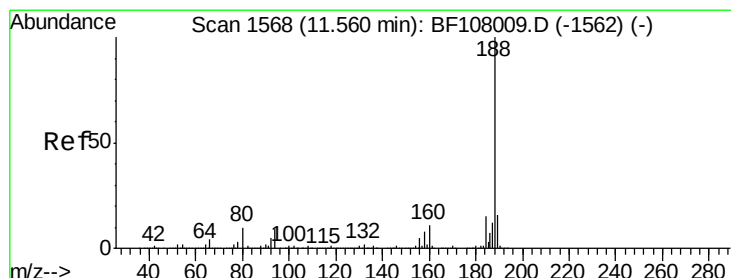
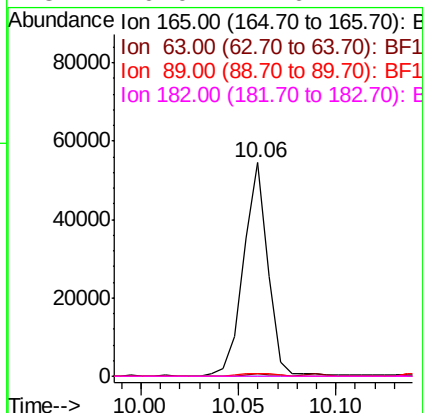
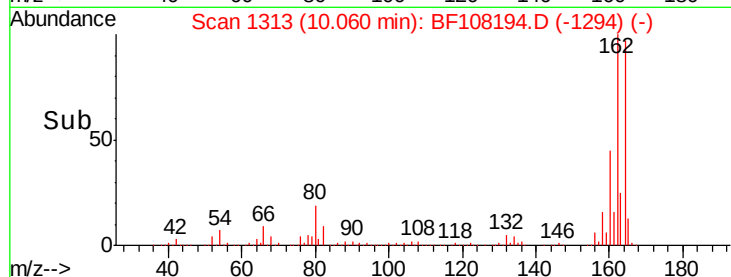
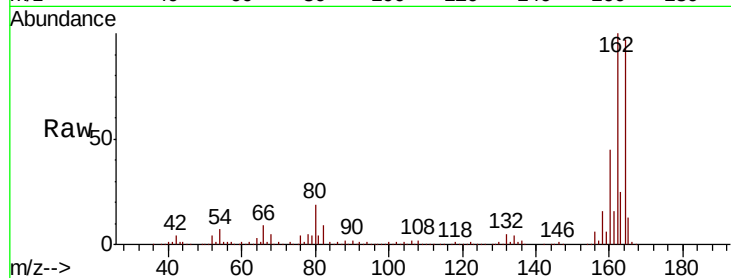




#56
 2,4-Dinitrotoluene
 Concen: 7.105 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108194.D
 Acq: 16 Aug 2018 14:54

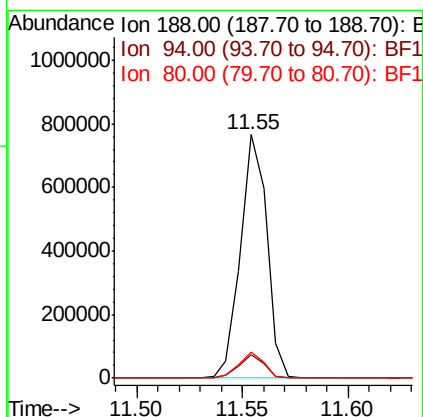
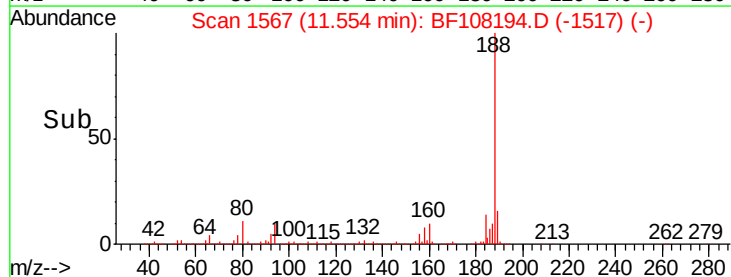
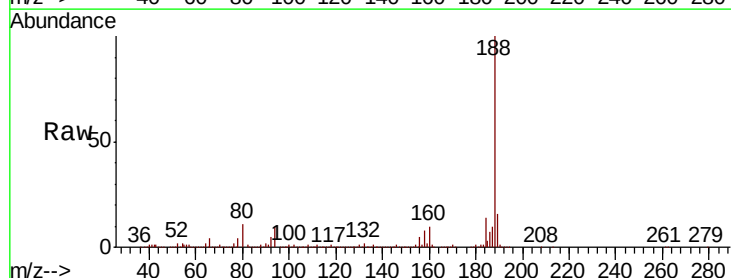
Instrument :
 BNA_F
 ClientSampleId :

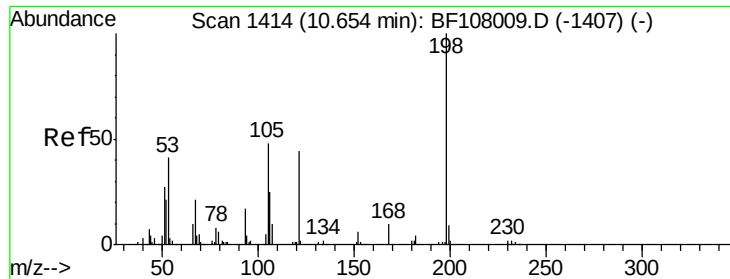
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108194.D
 Acq: 16 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.8	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.725 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

Instrument :

BNA_F

ClientSampleId :

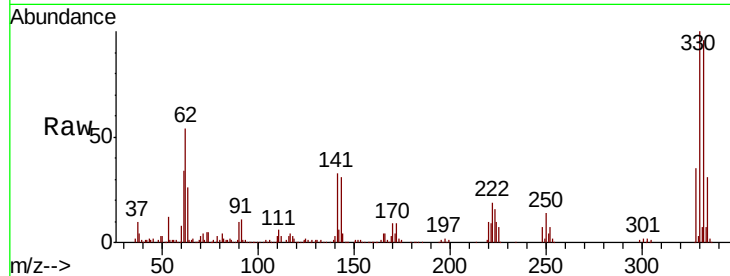
Tot Ion:198 Resp: 1026

Ion Ratio Lower Upper

198 100

51 165.2 37.7 77.7#

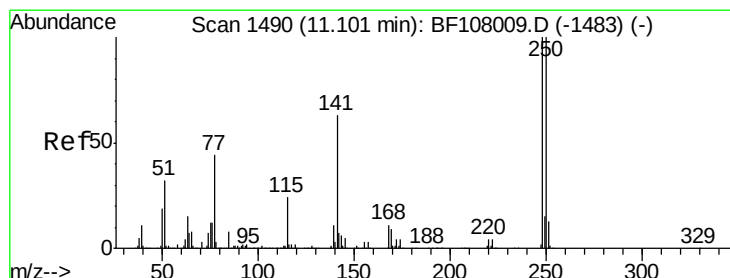
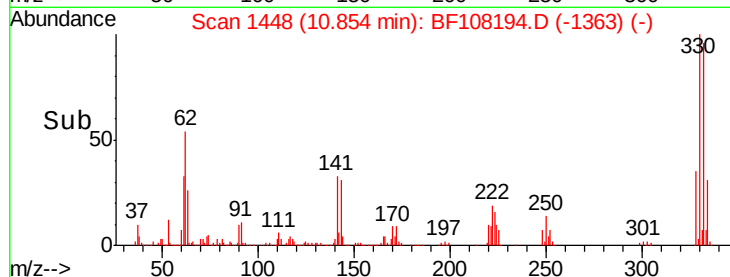
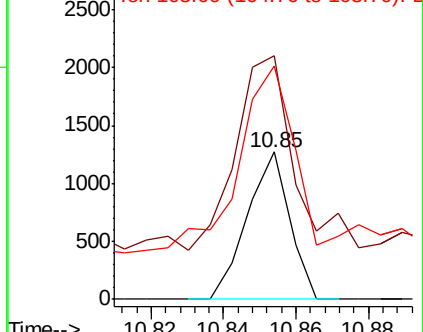
105 158.6 36.3 76.3#



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: 3.492 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

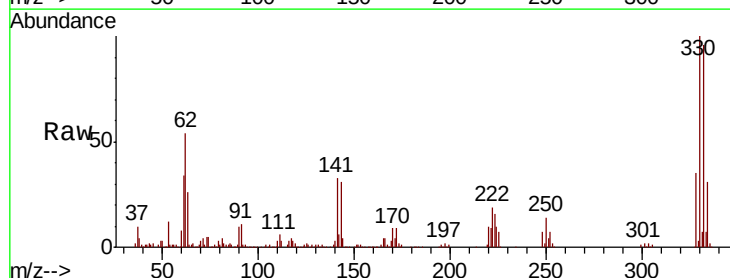
Tgt Ion:248 Resp: 25142

Ion Ratio Lower Upper

248 100

250 199.3 76.9 115.3#

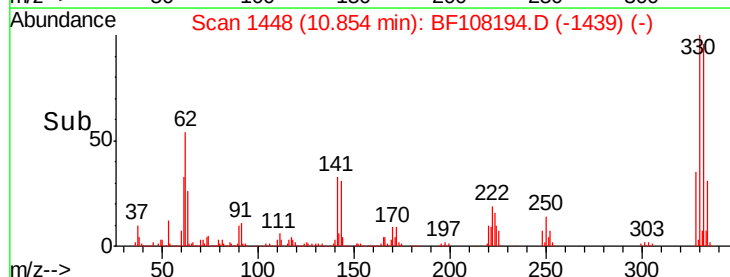
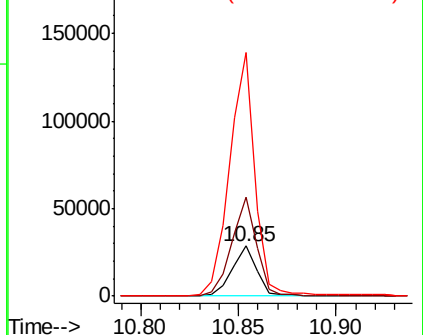
141 487.6 74.4 111.6#

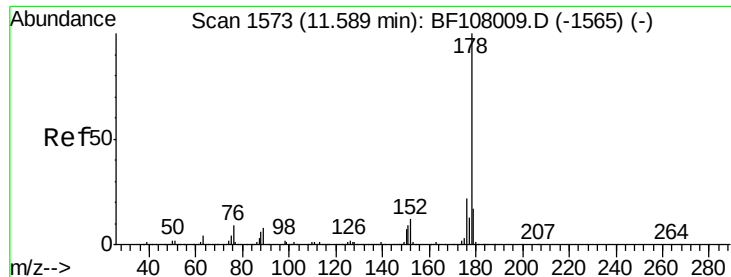


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.084 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

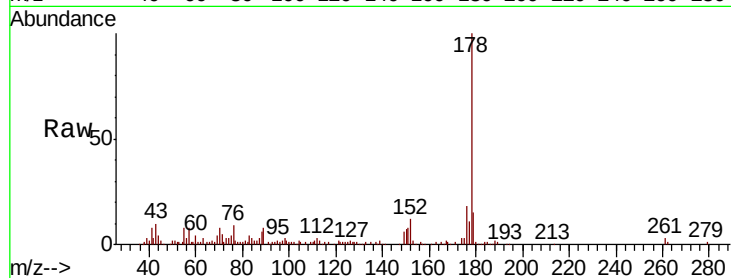
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 65127

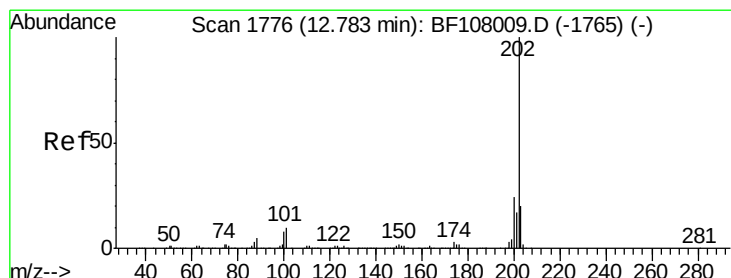
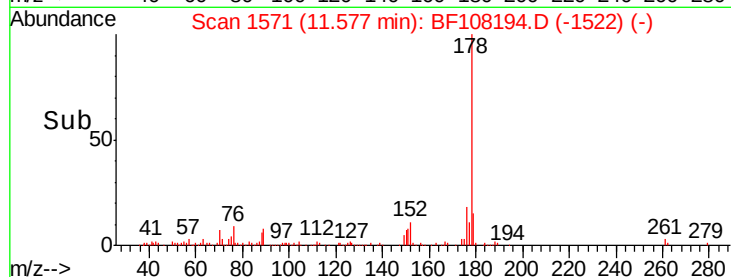
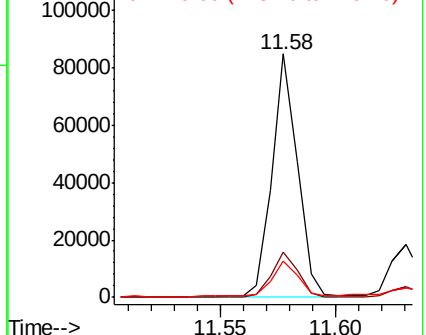
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.718 ng

RT: 12.77 min Scan# 1774

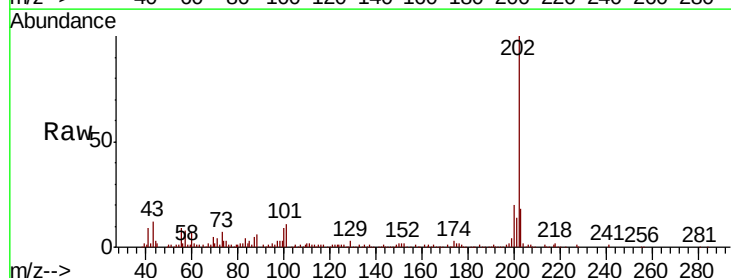
Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

Tgt Ion:202 Resp: 126783

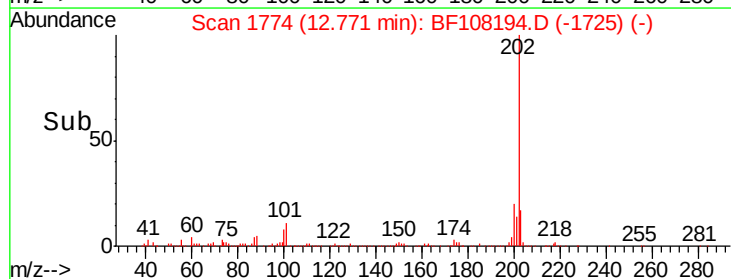
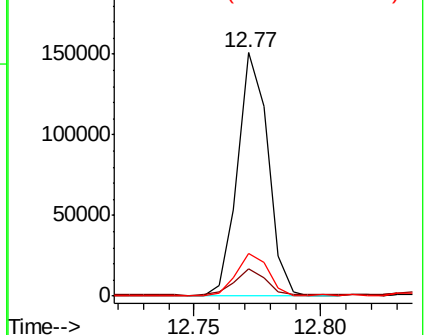
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	17.7	0.0	38.1

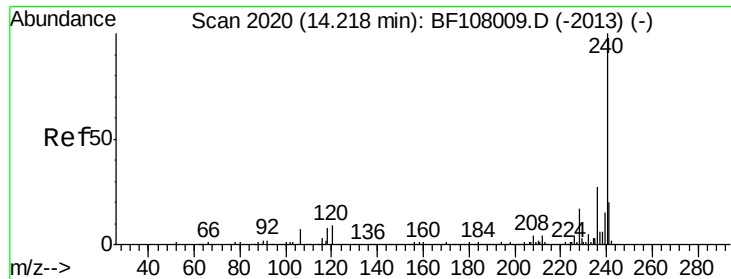


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

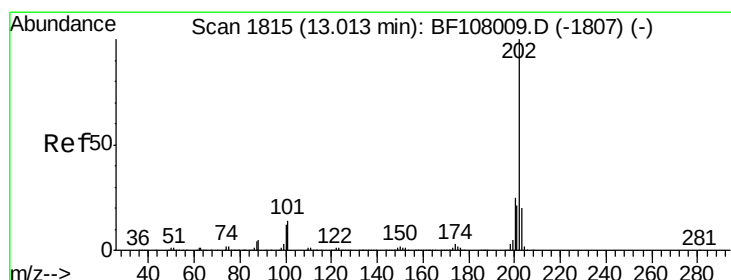
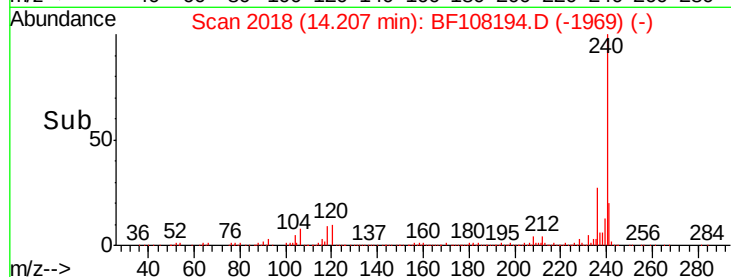
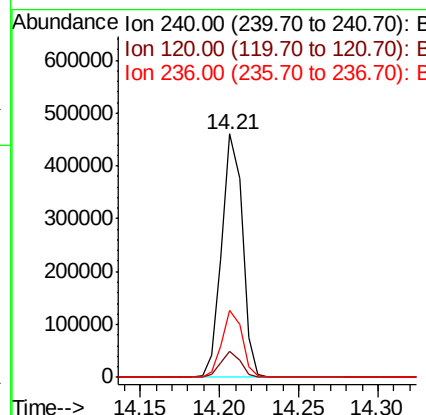
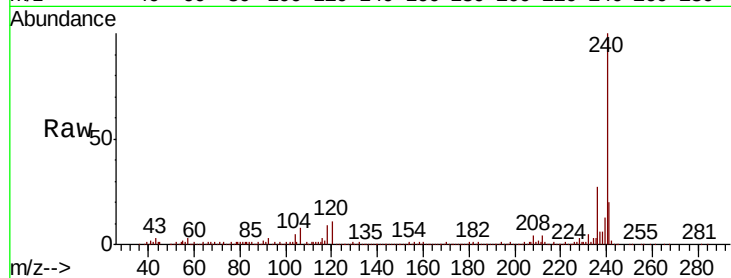




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF108194.D
 Acq: 16 Aug 2018 14:54

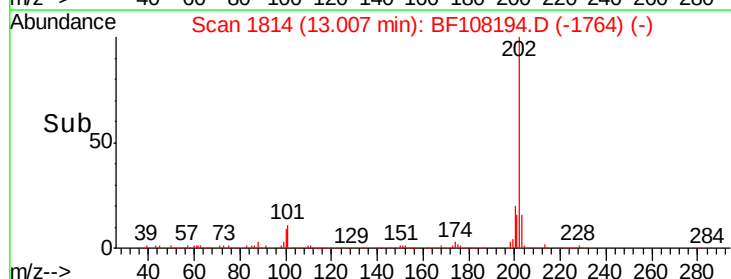
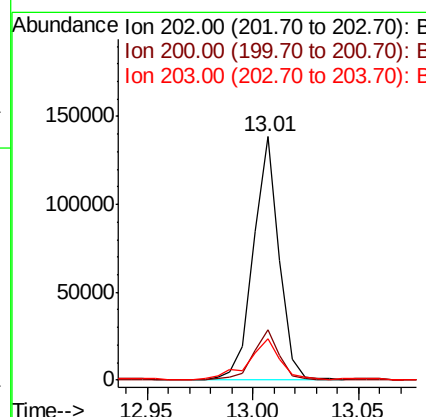
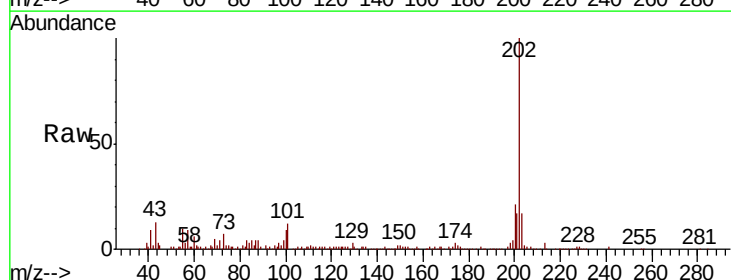
Instrument :
 BNA_F
 ClientSampleId :

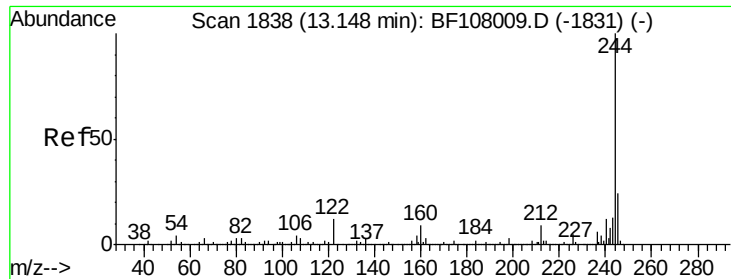
Tot Ion:240 Resp: 420530
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.5 14.3
 236 27.3 20.7 31.1



#77
 Pyrene
 Concen: 4.406 ng
 RT: 13.01 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF108194.D
 Acq: 16 Aug 2018 14:54

Tgt Ion:202 Resp: 117298
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.1 14.3 21.5





#78

Terphenyl-d14

Concen: 93.688 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

Instrument :

BNA_F

ClientSampleId :

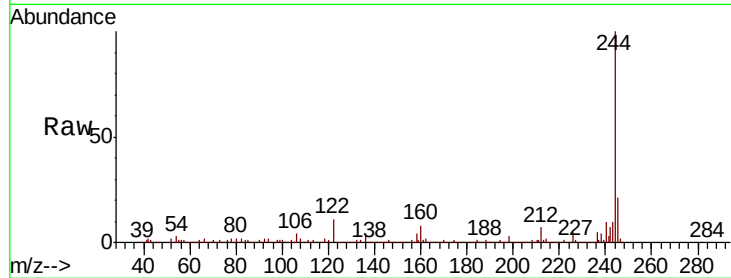
Tot Ion:244 Resp: 1549564

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

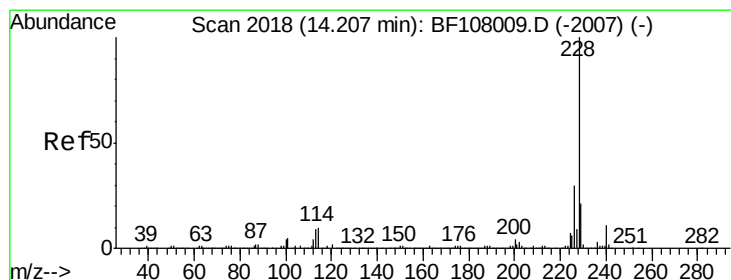
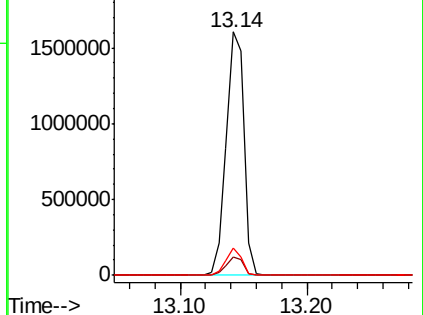
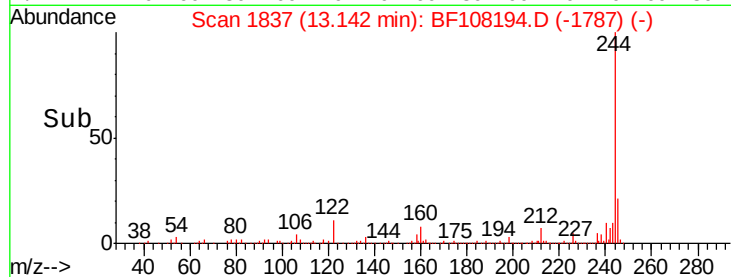
122 11.0 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.125 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108194.D

Acq: 16 Aug 2018 14:54

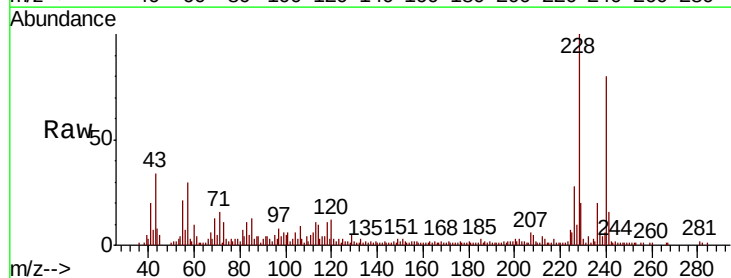
Tgt Ion:228 Resp: 51281

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

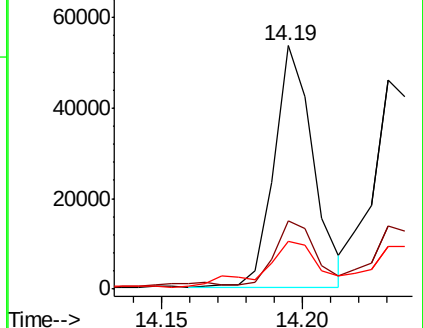
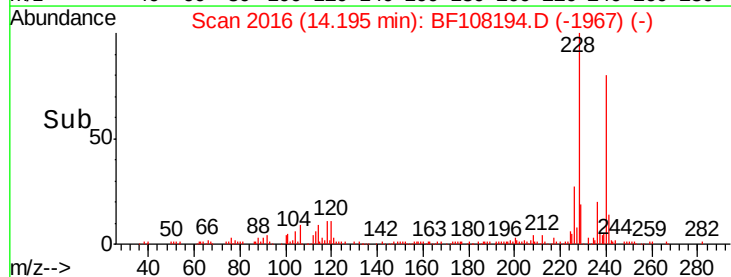
229 19.8 15.8 23.6

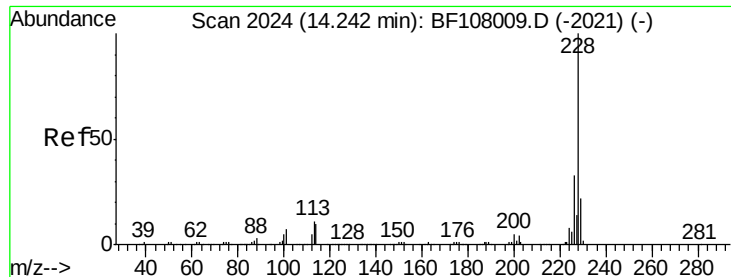


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

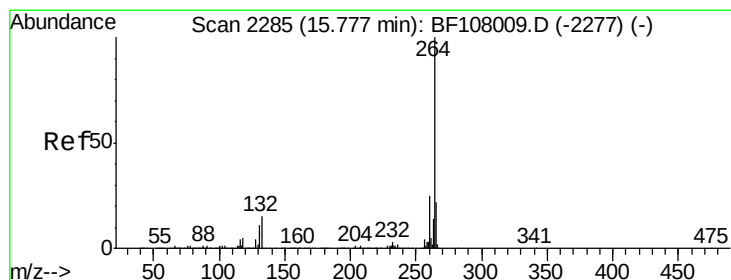
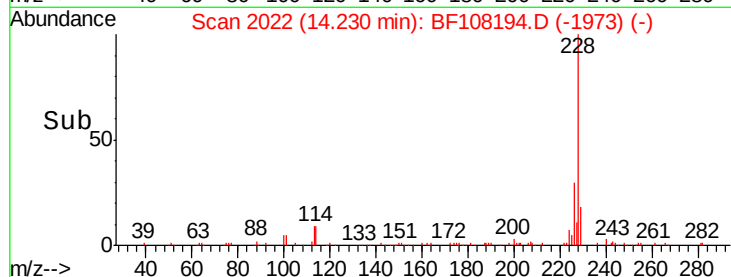
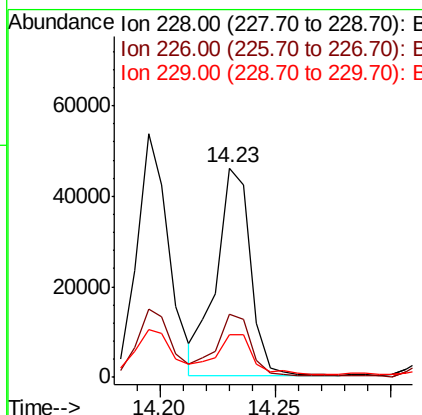
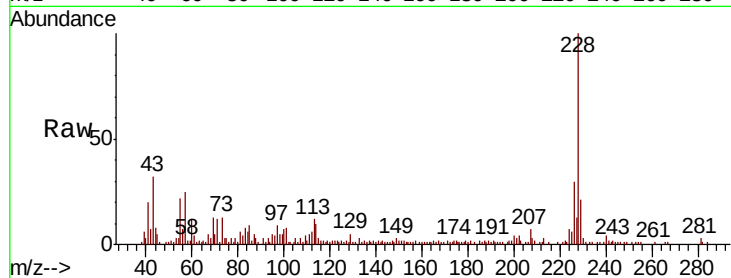




#82
Chrysene
Concen: 2.134 ng
RT: 14.23 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

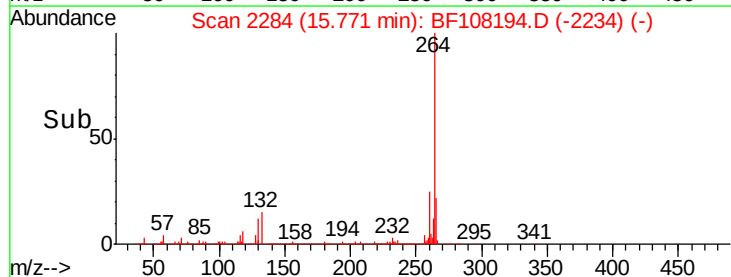
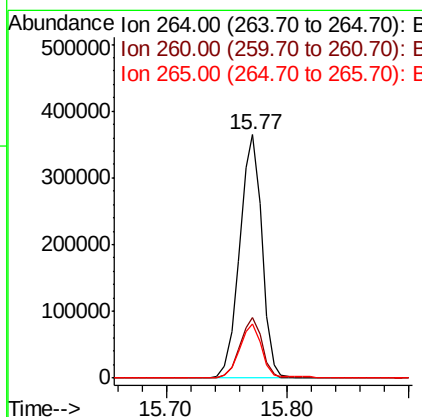
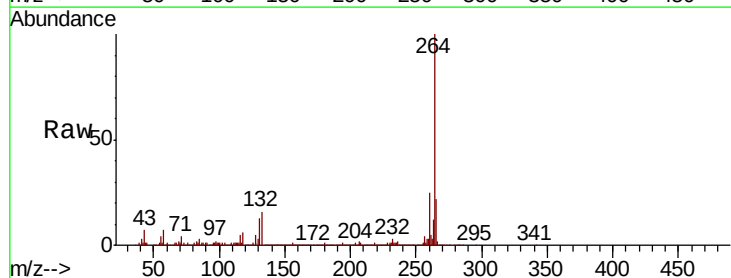
Instrument :
BNA_F
ClientSampleId :

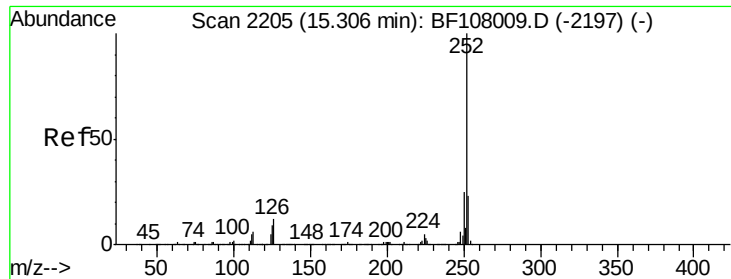
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.6	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.1	17.5	26.3

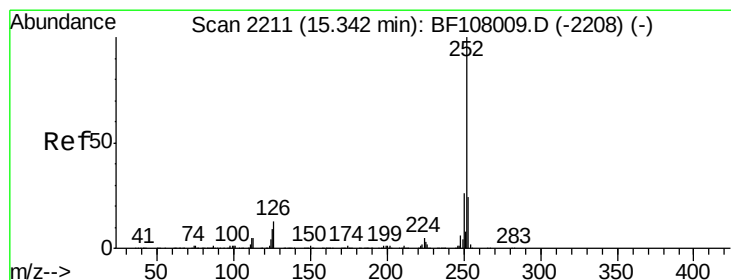
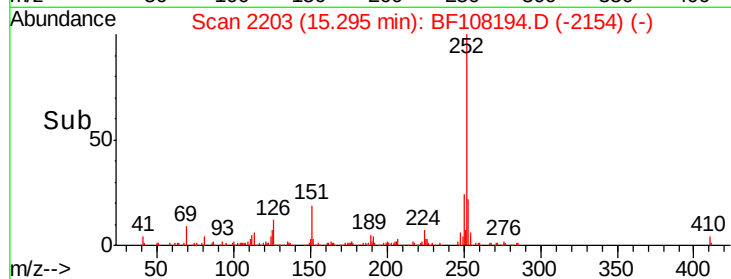
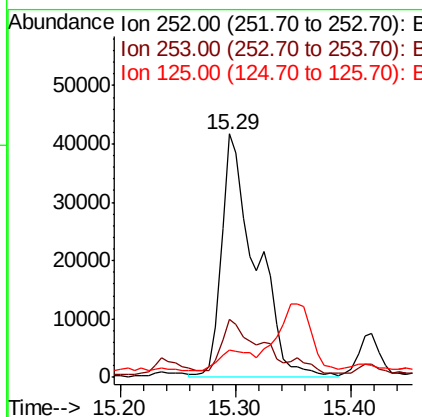
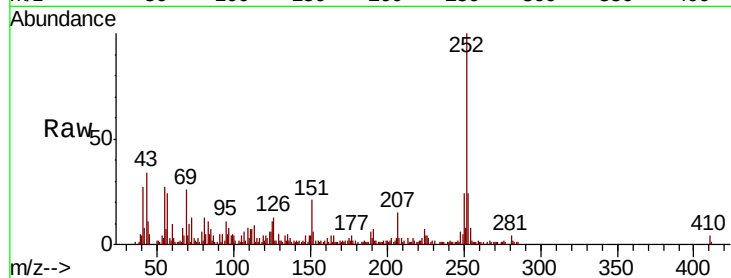




#87
Benzo(b)fluoranthene
Concen: 3.052 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.320 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF108194.D
Acq: 16 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.2	10.2	15.2

