

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108240.D
 Acq On : 17 Aug 2018 13:52
 Operator : JU/SJ
 Sample : J4511-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 14:53:54 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	147580	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	563076	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	282668	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	518920	20.00	ng	0.00
75) Chrysene-d12	14.21	240	417495	20.00	ng	-0.01
86) Perylene-d12	15.78	264	417629	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	789081	96.80	ng	0.00
7) Phenol-d6	6.63	99	1053451	97.25	ng	0.00
23) Nitrobenzene-d5	7.58	82	700872	69.46	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	297903	105.66	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1293683	73.48	ng	0.00
78) Terphenyl-d14	13.14	244	1190632	72.51	ng	0.00

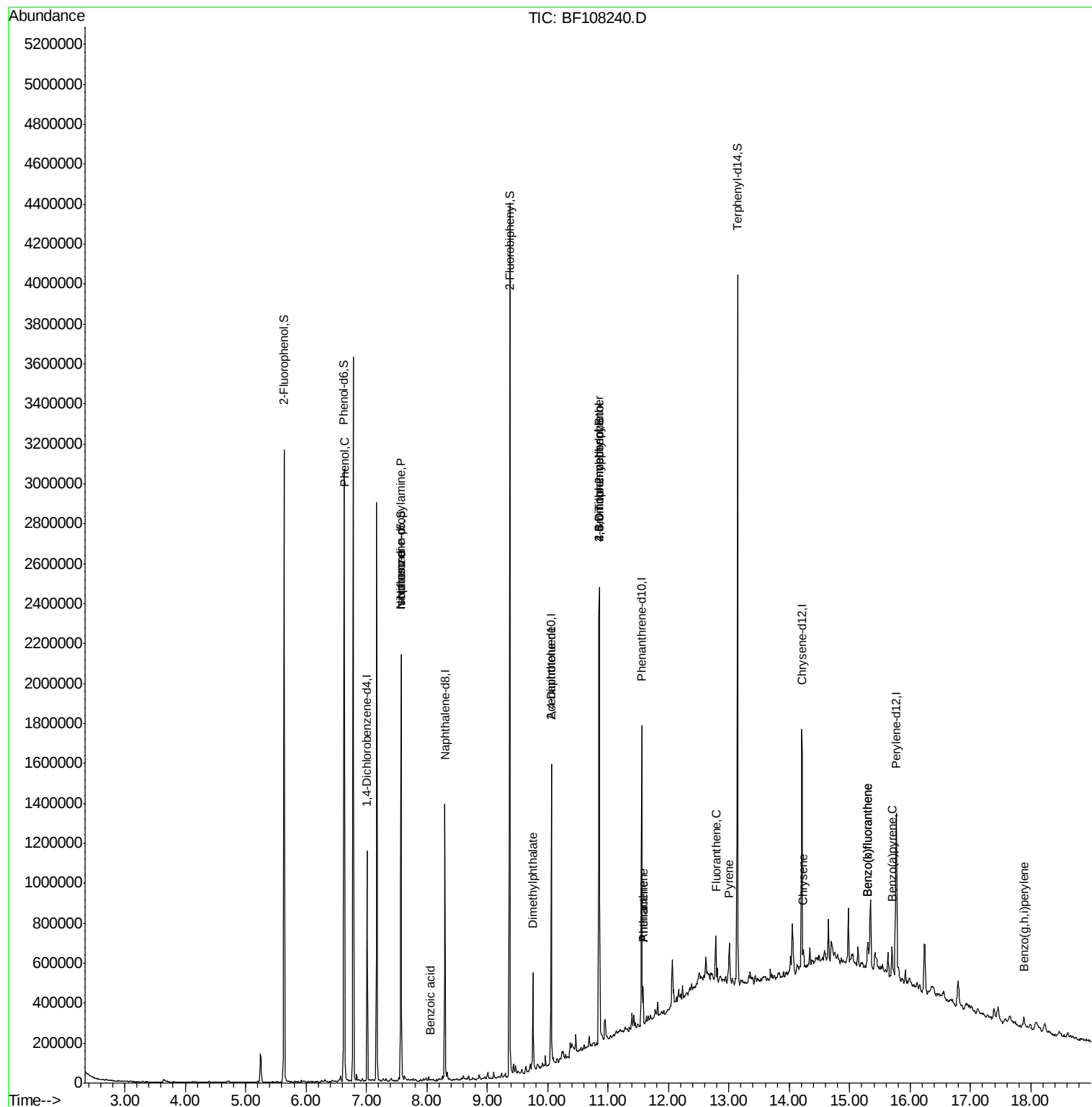
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.64	94	26327	2.350	ng	82
19) n-Nitroso-di-n-propylamine	7.58	70	94332	12.878	ng	# 82
25) Isophorone	7.58	82	700868	36.440	ng	# 64
32) Benzoic acid	8.05	122	219	6.013	ng	# 1
49) Dimethylphthalate	9.76	163	161846	8.220	ng	# 99
56) 2,4-Dinitrotoluene	10.06	165	39426	7.435	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	762	5.706	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	19858	3.521	ng	# 1
70) Phenanthrene	11.58	178	59955	2.450	ng	100
71) Anthracene	11.58	178	59955	2.390	ng	99
74) Fluoranthene	12.78	202	80795	3.025	ng	95
77) Pyrene	13.01	202	78767	2.980	ng	97
82) Chrysene	14.24	228	48137	2.191	ng	# 93
87) Benzo(b)fluoranthene	15.30	252	90191	3.614	ng	# 86
88) Benzo(k)fluoranthene	15.30	252	90191	3.932	ng	# 89
89) Benzo(a)pyrene	15.70	252	50723	2.270	ng	# 90
91) Benzo(a,h,i)perylene	17.88	276	40636	2.232	ng	# 91

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

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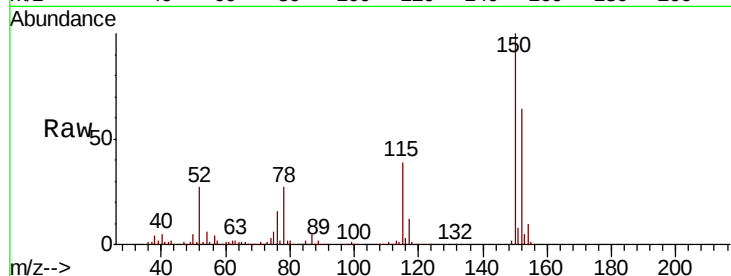


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	60.7	50.1	75.1

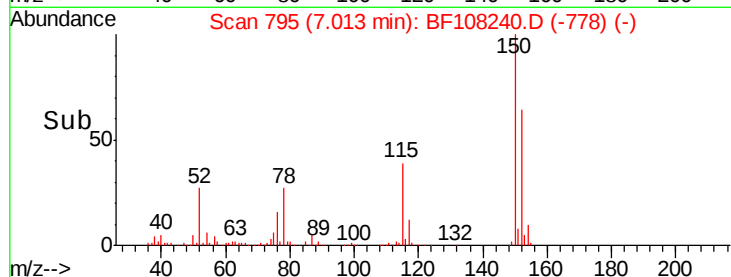
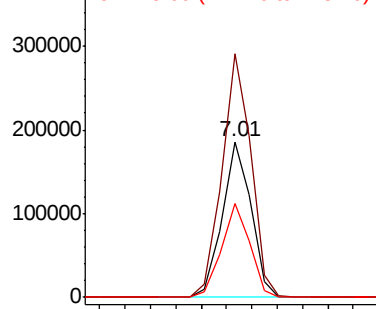


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

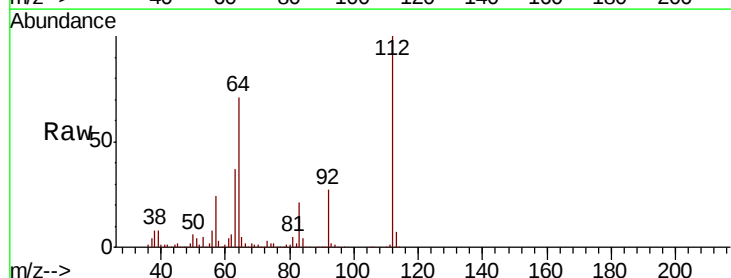
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.801 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	47.9	71.9
63	37.3	23.7	35.5#

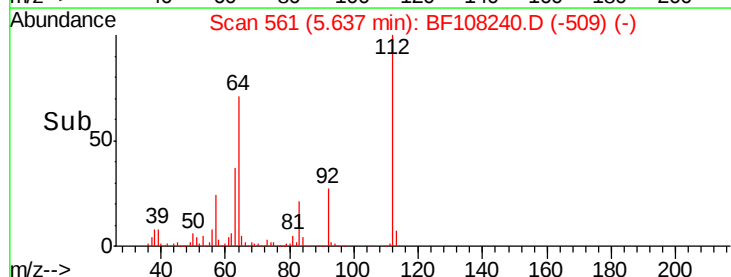
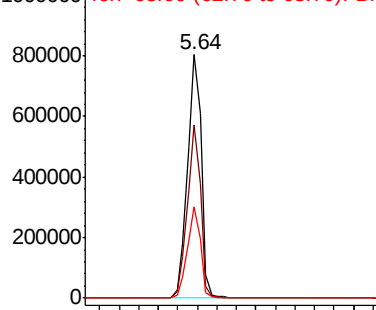


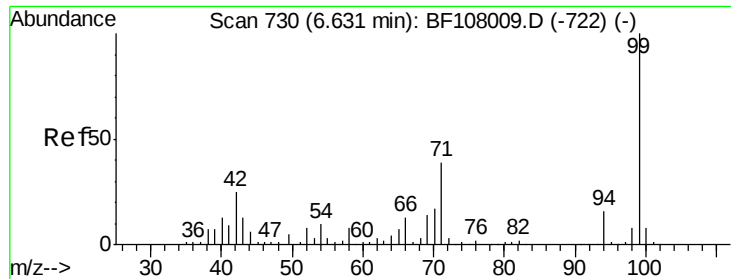
Abundance

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: 97.251 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampled :

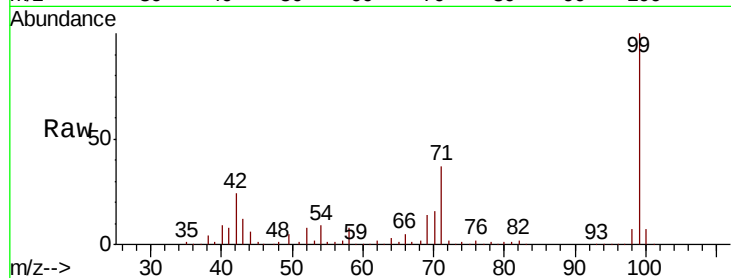
Tot Ion: 99 Resp: 1053451

Ion Ratio Lower Upper

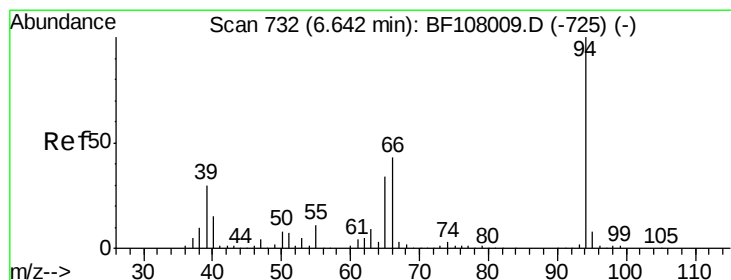
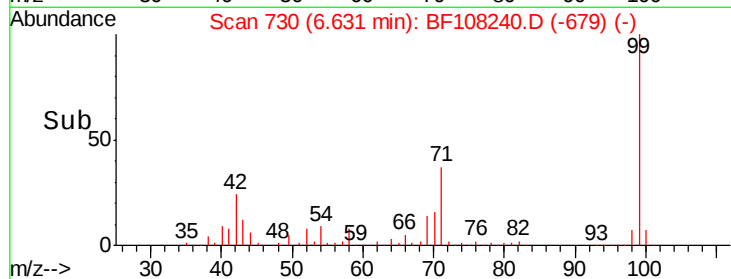
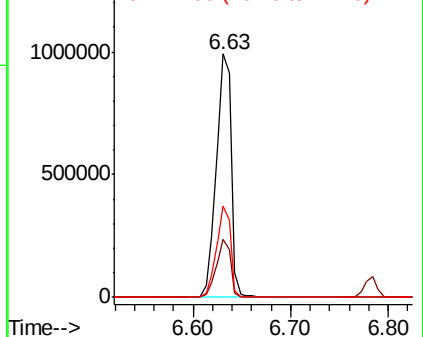
99 100

42 23.8 14.5 21.7#

71 37.3 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



#10

Phenol

Concen: 2.350 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

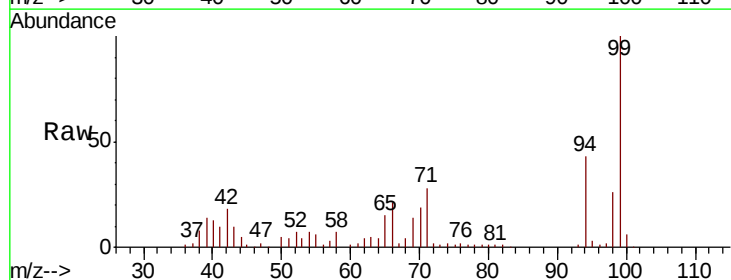
Tgt Ion: 94 Resp: 26327

Ion Ratio Lower Upper

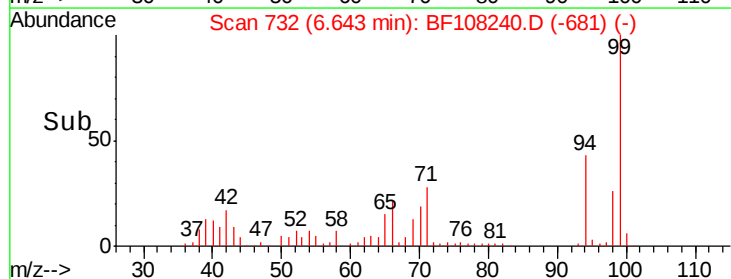
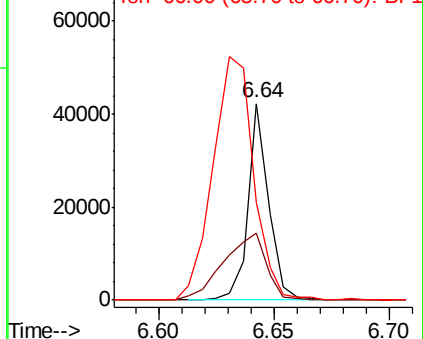
94 100

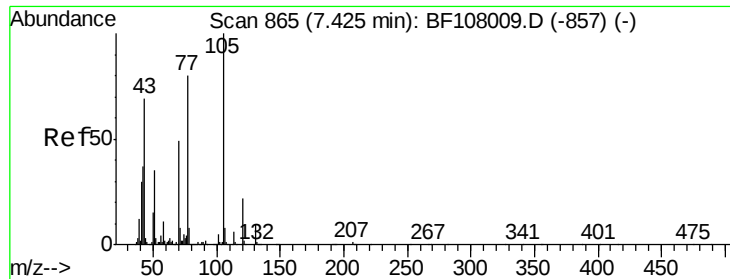
65 33.9 7.9 47.9

66 50.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

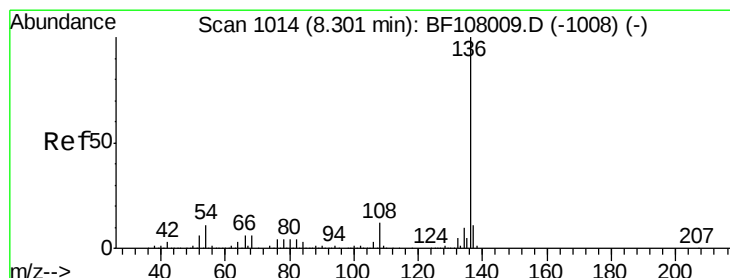
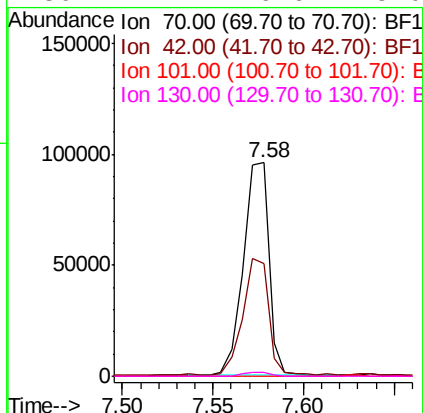
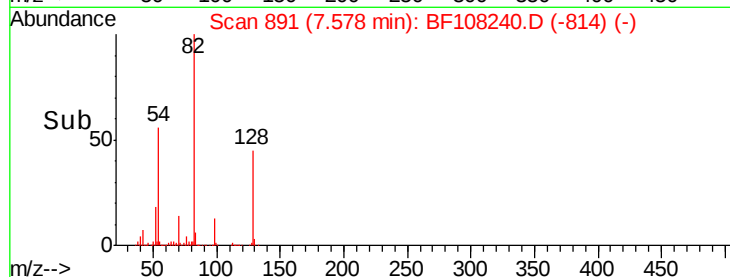
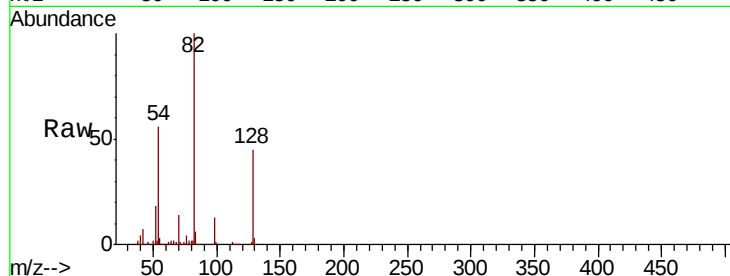




#19
n-Nitroso-di-n-propylamine
Concen: 12.878 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

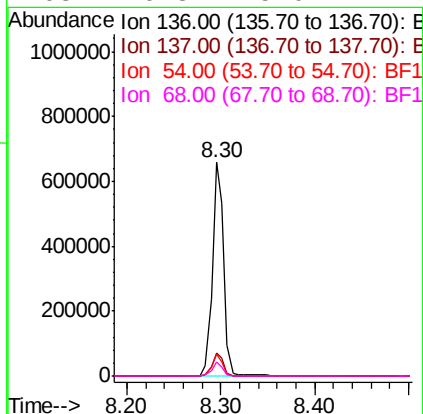
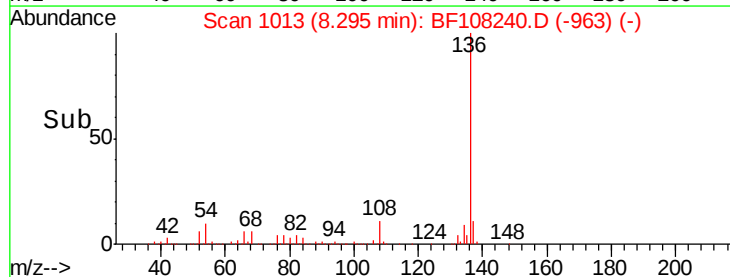
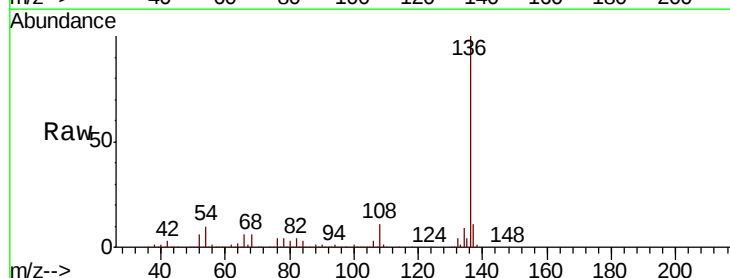
Instrument :
BNA_F
ClientSampleId :

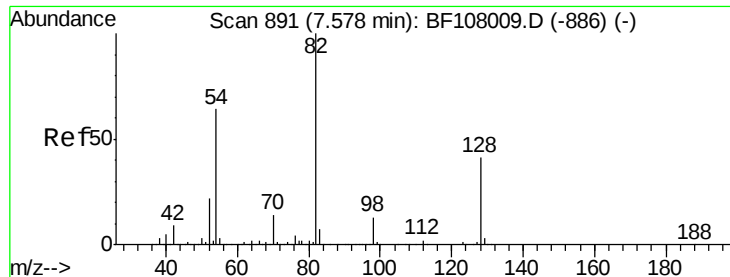
Tot Ion: 70 Resp: 94332
Ion Ratio Lower Upper
70 100
42 52.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion: 136 Resp: 563076
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.1 6.6 9.8#
68 6.3 5.0 7.4

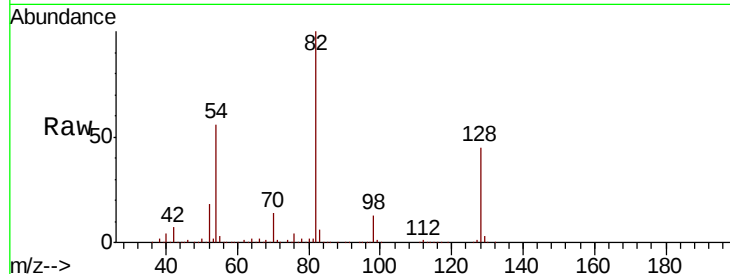




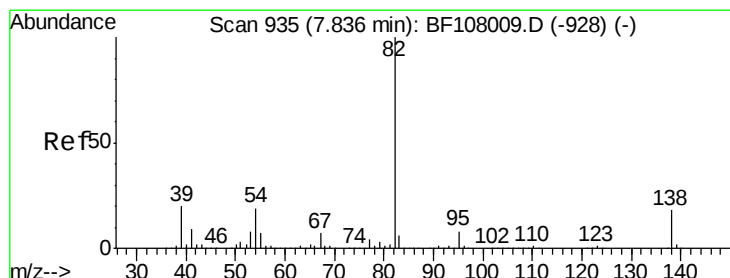
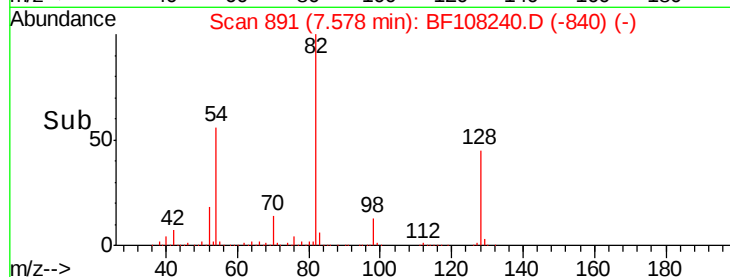
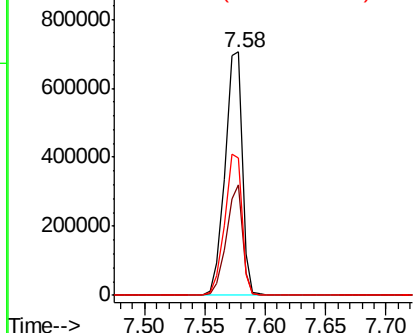
#23
Nitrobenzene-d5
Concen: 69.457 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	700872
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	56.4	41.4	62.2

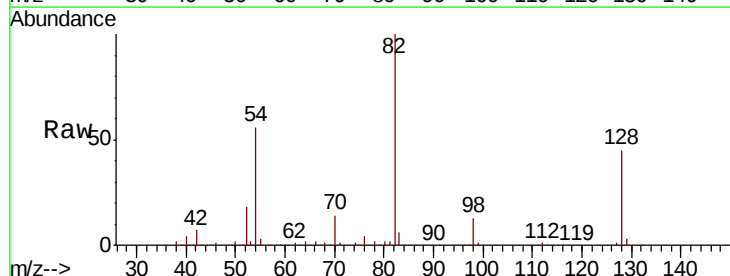


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

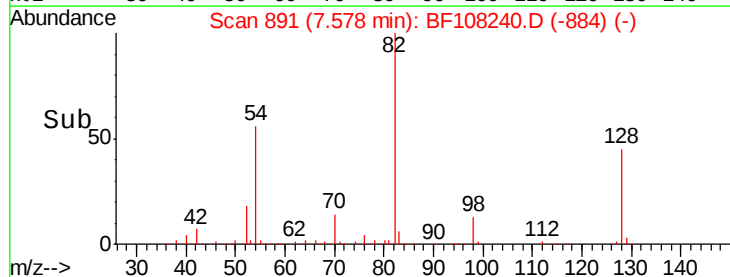
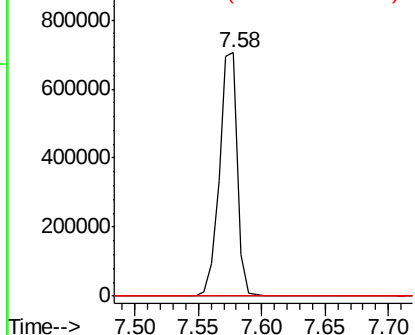


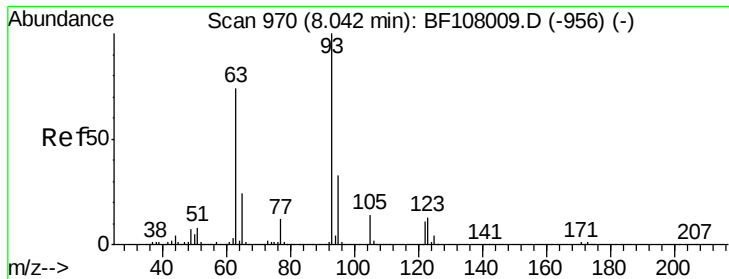
#25
Isophorone
Concen: 36.440 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion	82	Resp	700868
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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: 6.013 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampled :

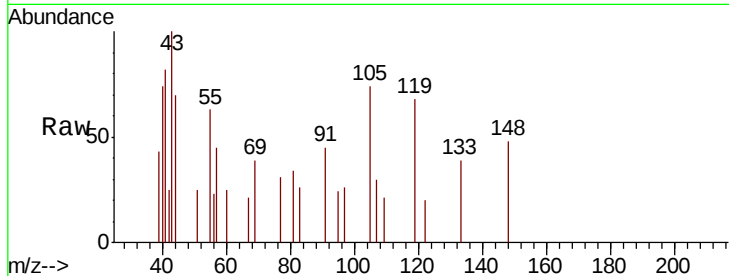
Tot Ion:122 Resp: 219

Ion Ratio Lower Upper

122 100

105 358.9 101.1 141.1#

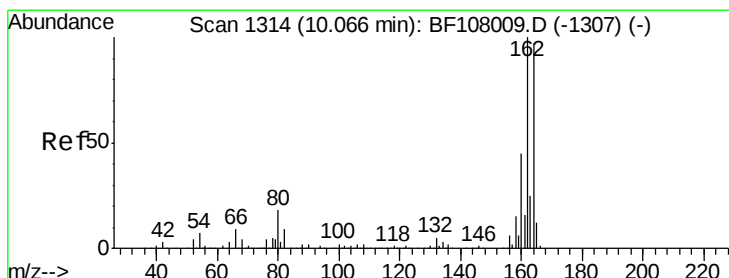
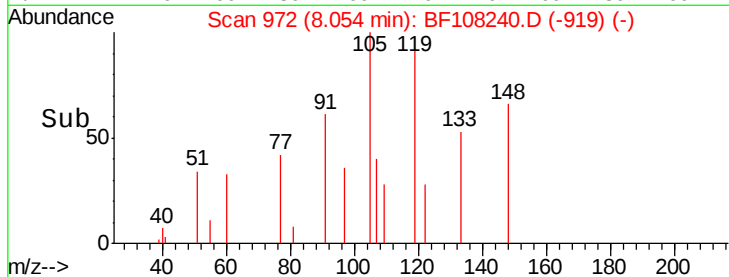
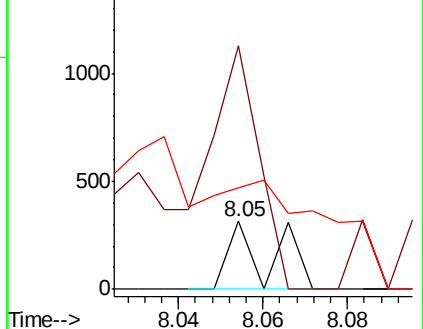
77 149.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

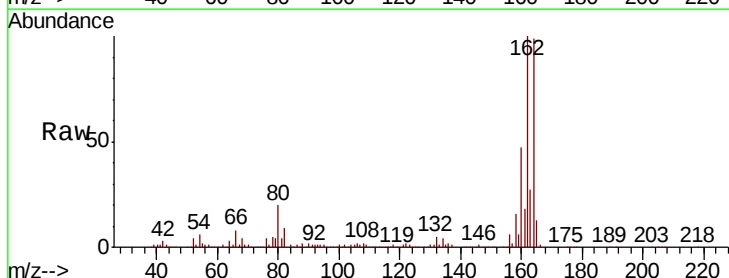
Tgt Ion:164 Resp: 282668

Ion Ratio Lower Upper

164 100

162 100.8 86.1 129.1

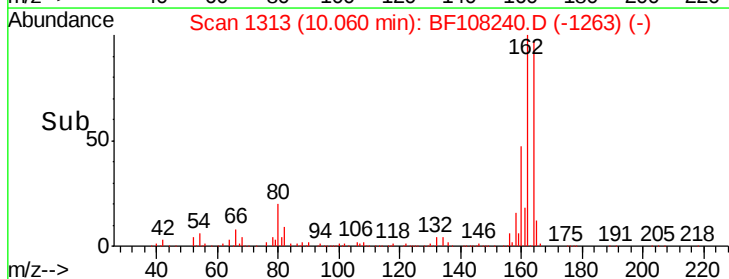
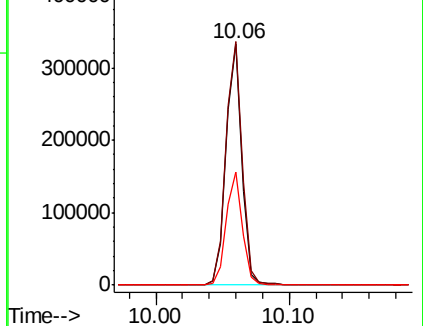
160 47.0 38.3 57.5

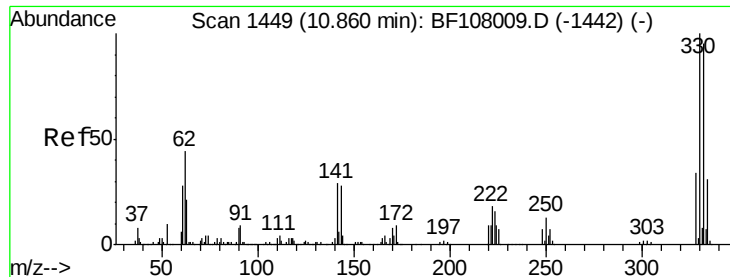


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

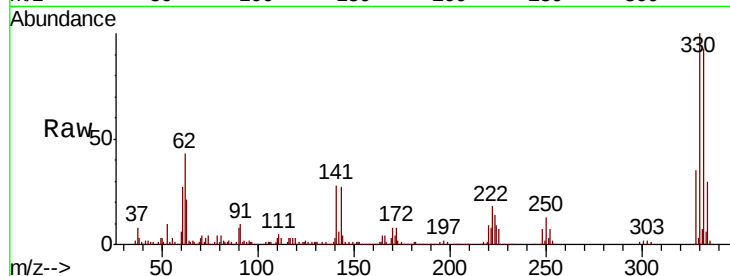




#41
 2,4,6-Tribromophenol
 Concen: 105.657 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108240.D
 Acq: 17 Aug 2018 13:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	33.5	29.9	44.9

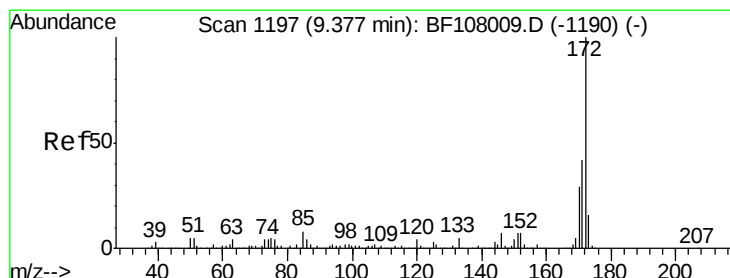
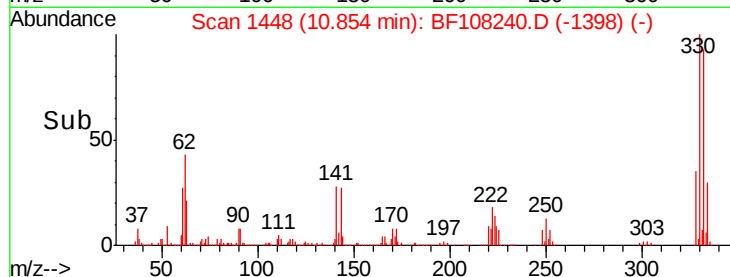
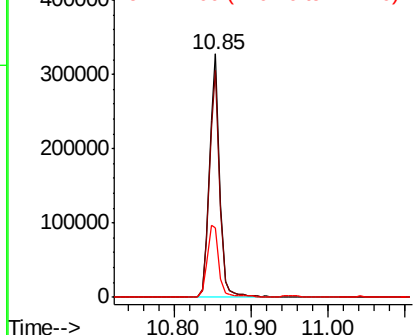


Abundance

Ion 329.80 (329.50 to 330.50): E

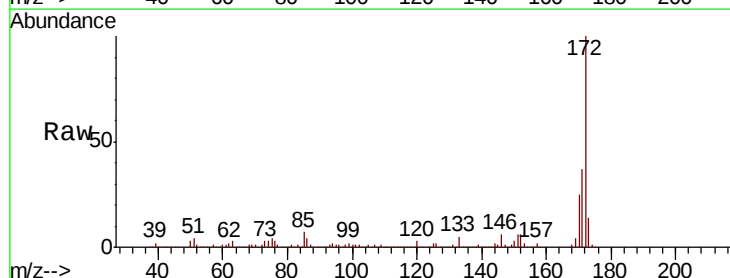
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.477 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108240.D
 Acq: 17 Aug 2018 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.7	19.6	29.4

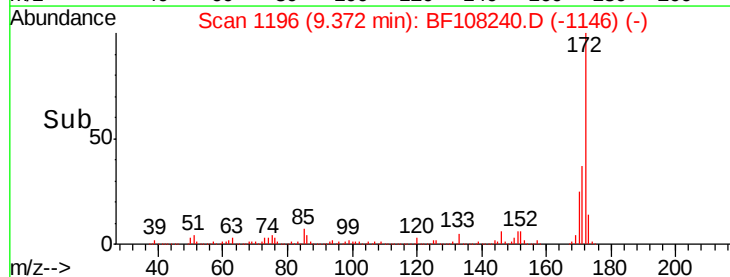
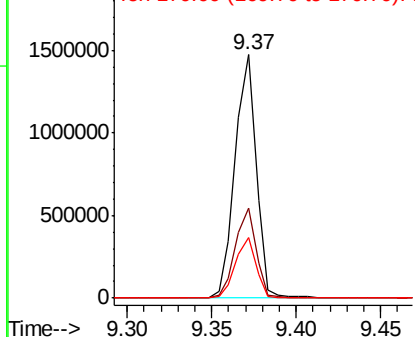


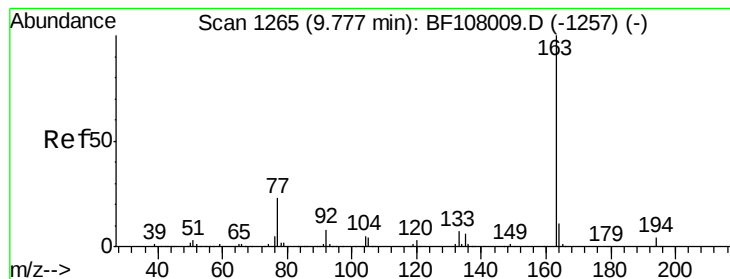
Abundance

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: 8.220 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampled :

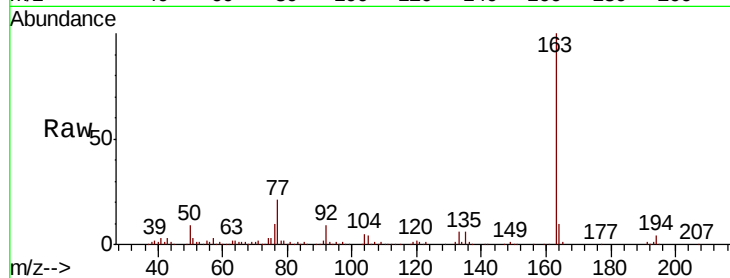
Tot Ion:163 Resp: 161846

Ion Ratio Lower Upper

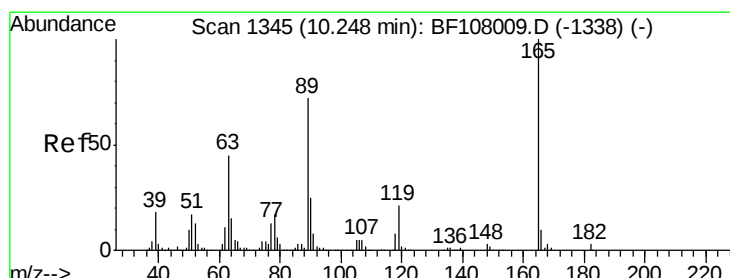
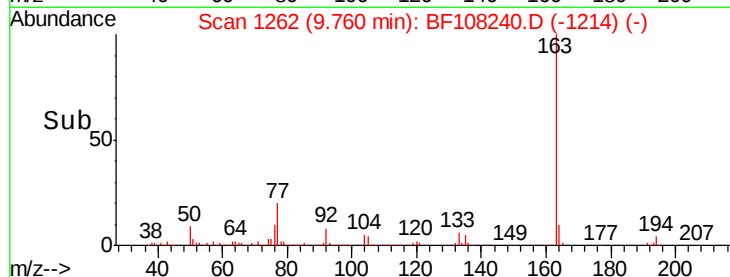
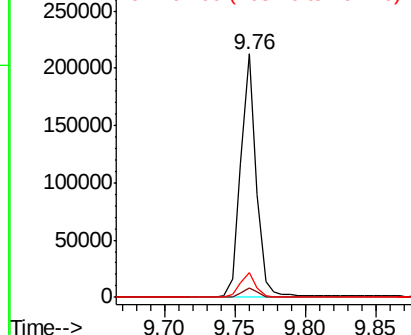
163 100

194 4.1 2.7 4.1#

164 10.2 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: 7.435 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Tgt Ion:165 Resp: 39426

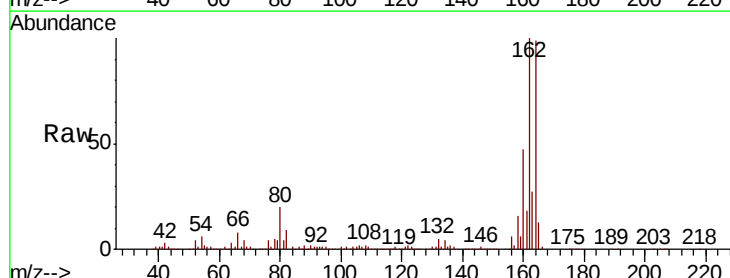
Ion Ratio Lower Upper

165 100

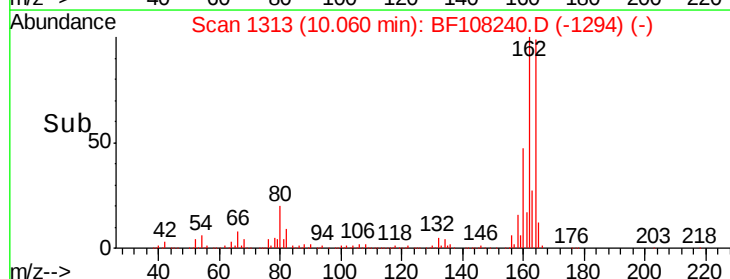
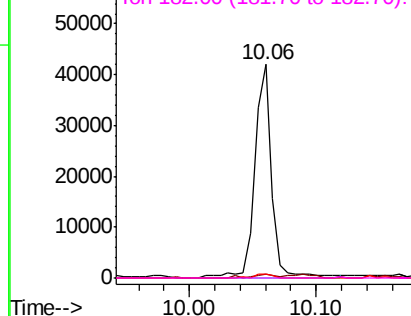
63 1.8 36.4 54.6#

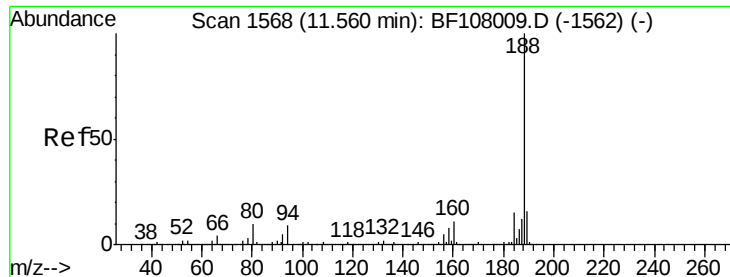
89 1.7 57.8 86.6#

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

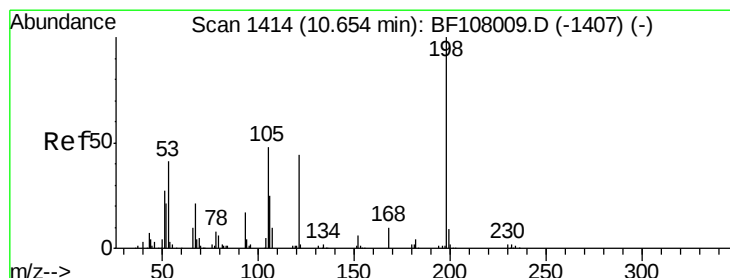
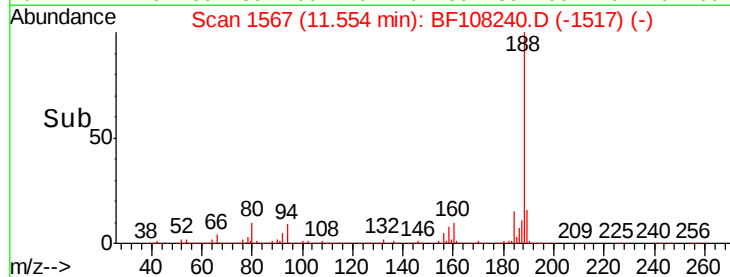
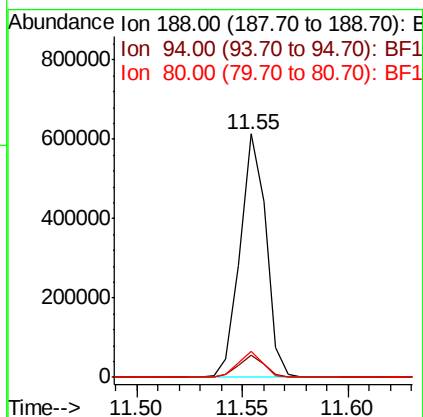
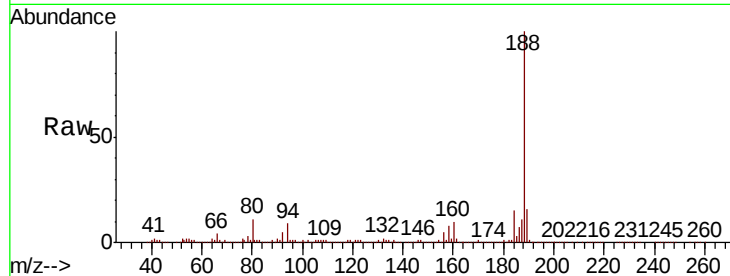




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

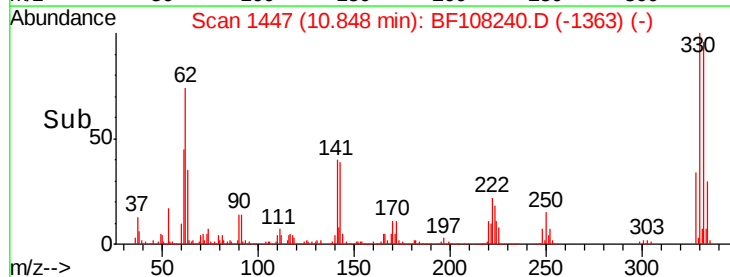
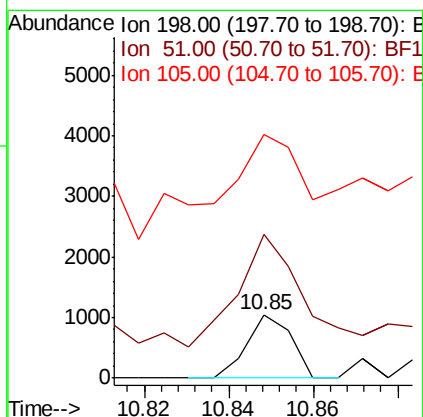
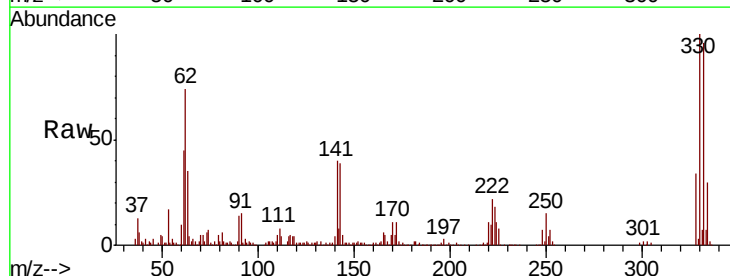
Instrument :
BNA_F
ClientSampleId :

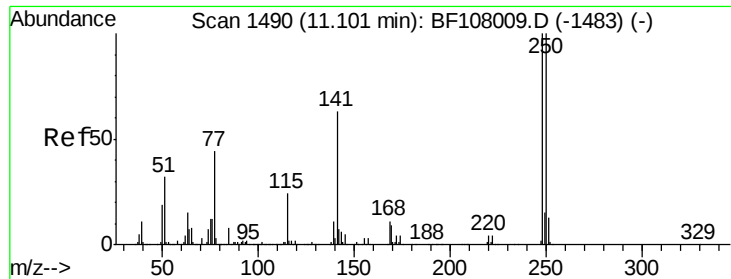
Tot Ion:188 Resp: 518920
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 10.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.706 ng
RT: 10.85 min Scan# 1447
Delta R.T. 0.20 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion:198 Resp: 762
Ion Ratio Lower Upper
198 100
51 225.8 37.7 77.7#
105 382.8 36.3 76.3#

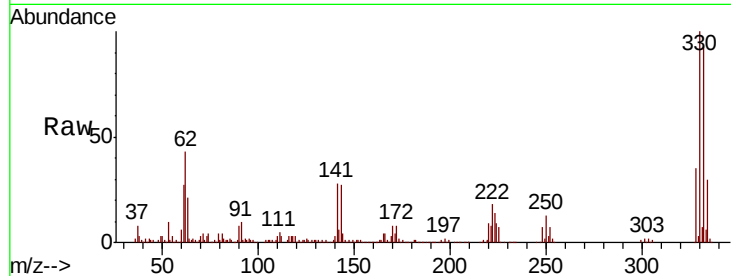




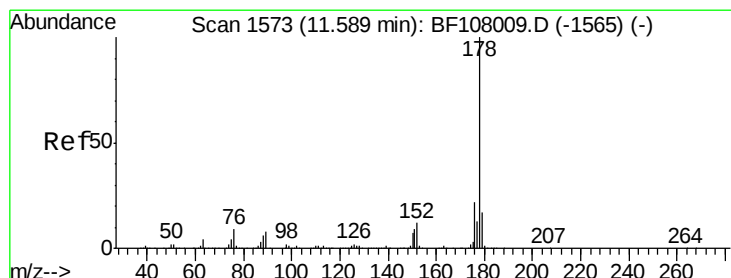
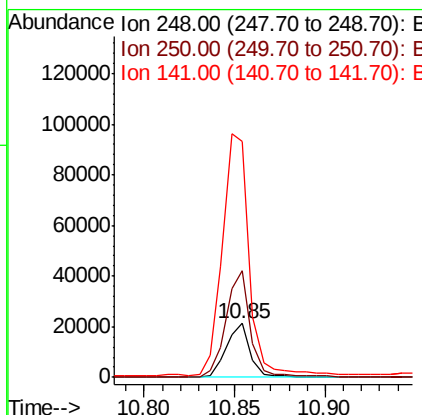
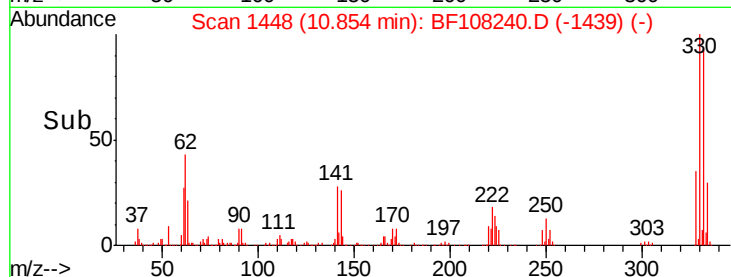
#66
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19858
Ion Ratio Lower Upper
248 100
250 197.6 76.9 115.3#
141 436.0 74.4 111.6#

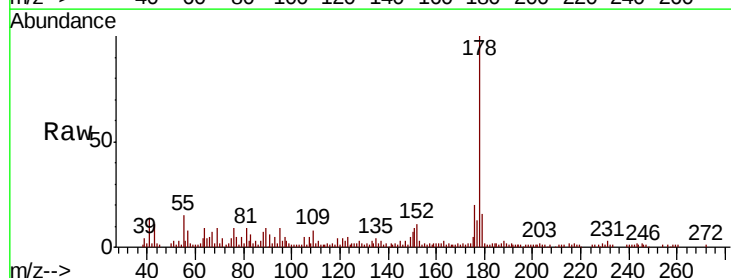


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

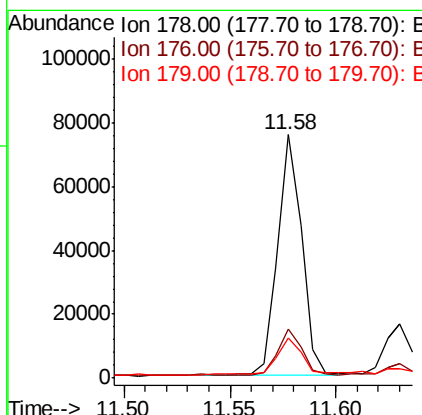
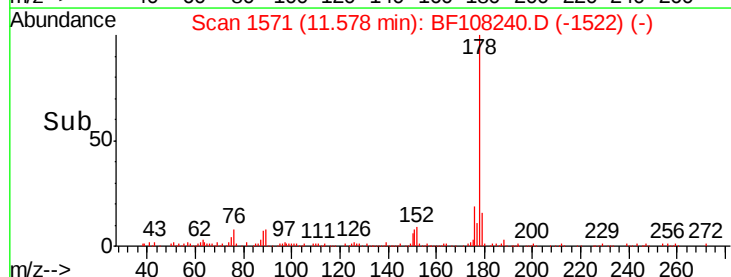


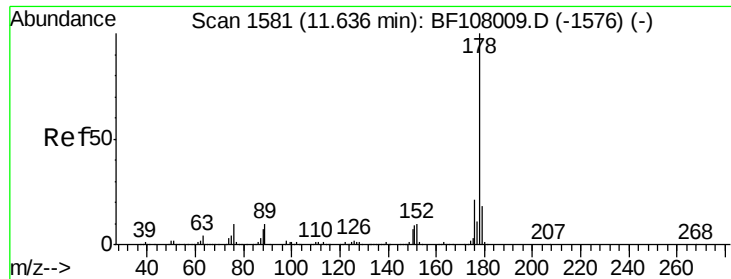
#70
Phenanthrene
Concen: 2.450 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion:178 Resp: 59955
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 16.3 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





#71

Anthracene

Concen: 2.390 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.06 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampled :

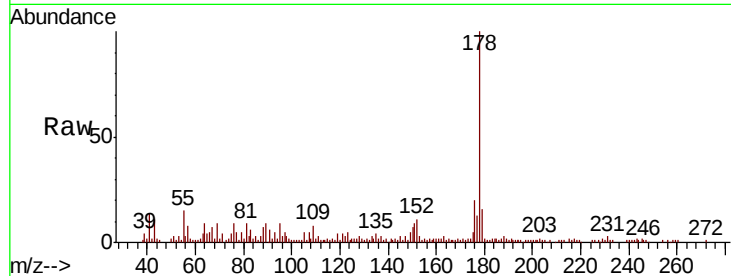
Tot Ion:178 Resp: 59955

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

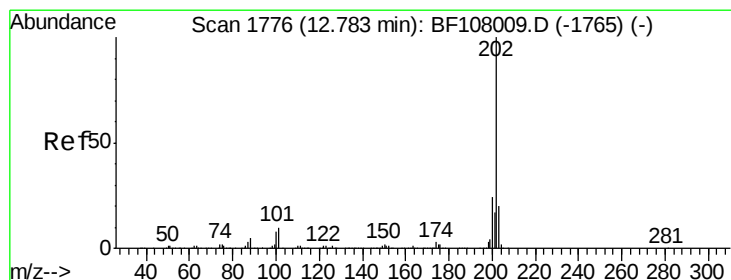
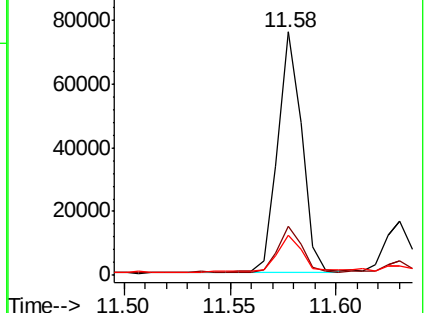
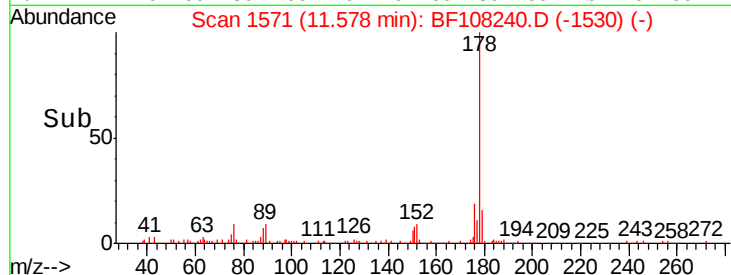
179 16.3 12.6 19.0



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: 3.025 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

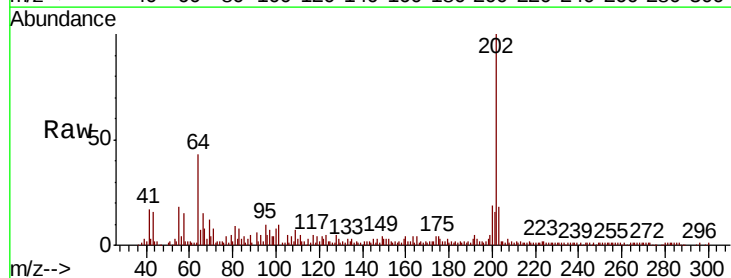
Tgt Ion:202 Resp: 80795

Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.1

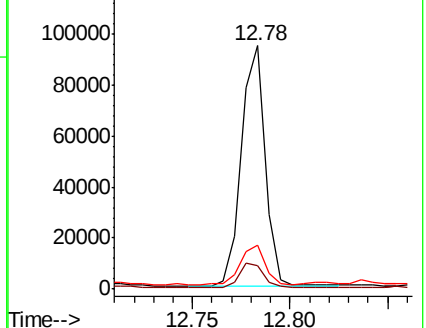
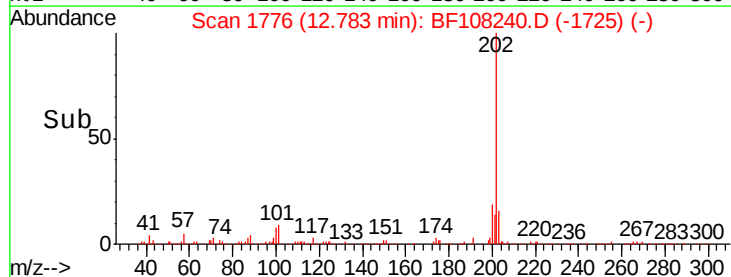
203 17.8 0.0 38.1

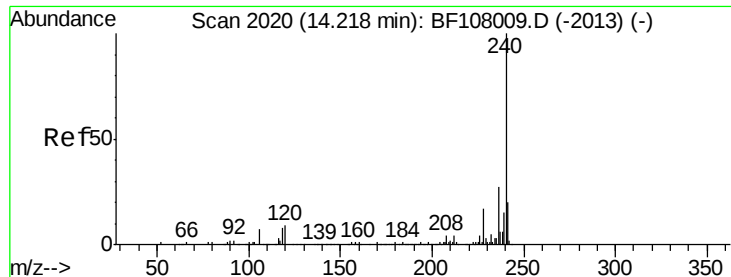


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampleId :

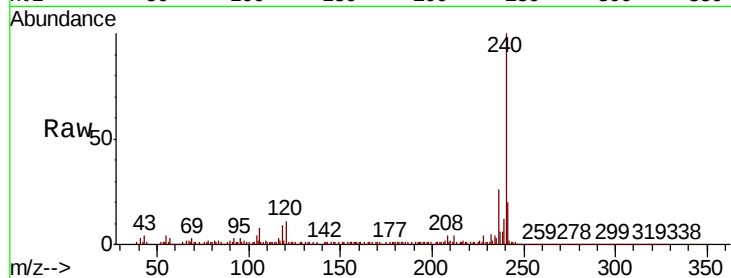
Tot Ion:240 Resp: 417495

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

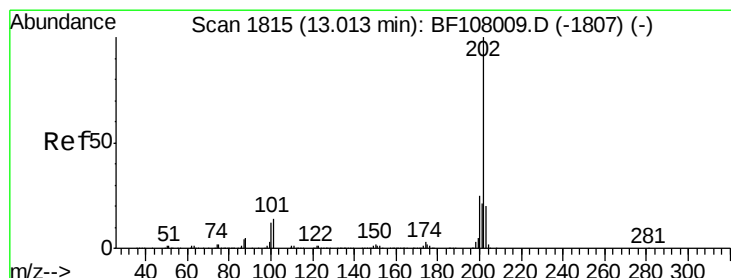
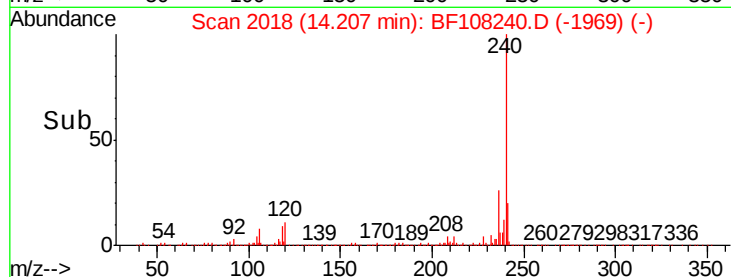
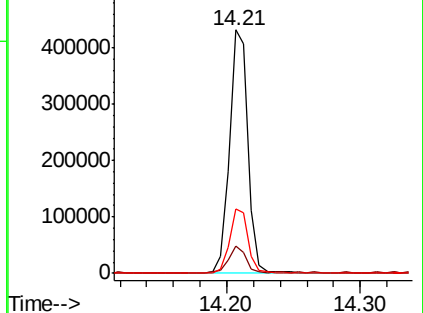
236 26.4 20.7 31.1



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



#77

Pyrene

Concen: 2.980 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

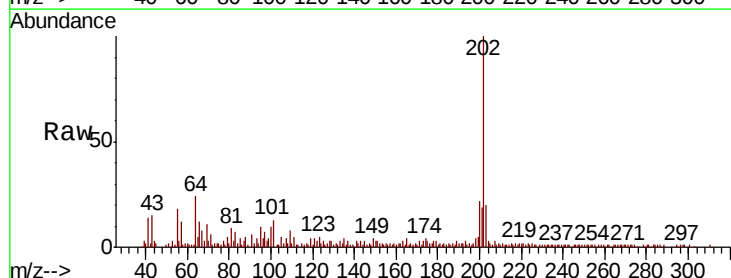
Tgt Ion:202 Resp: 78767

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

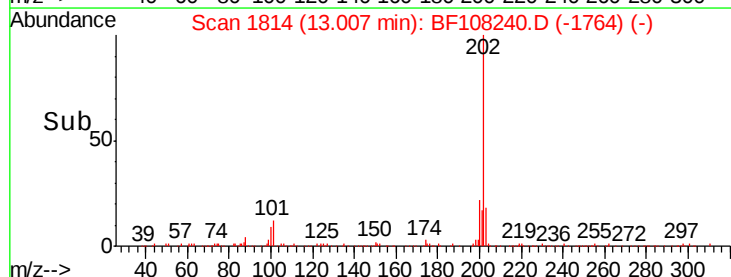
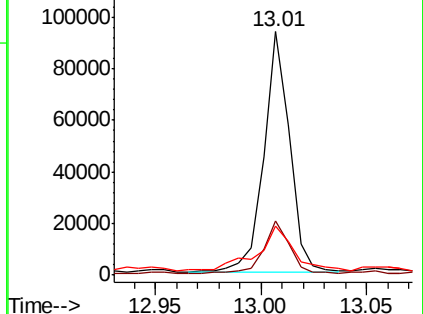
203 20.2 14.3 21.5

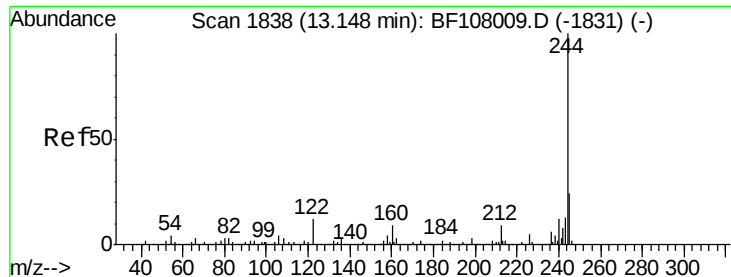


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.510 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

Instrument :

BNA_F

ClientSampleId :

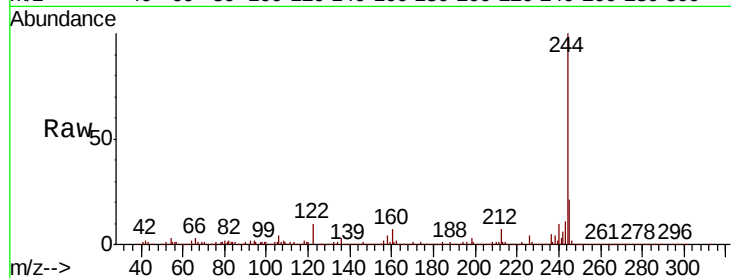
Tot Ion:244 Resp: 1190632

Ion Ratio Lower Upper

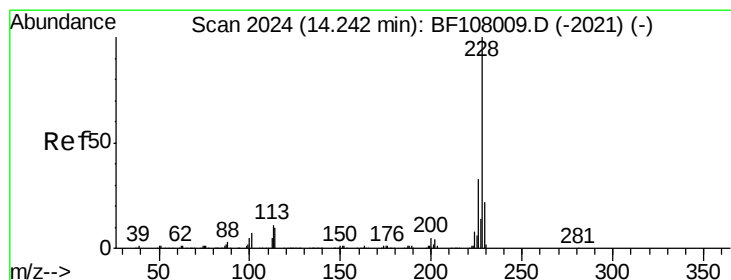
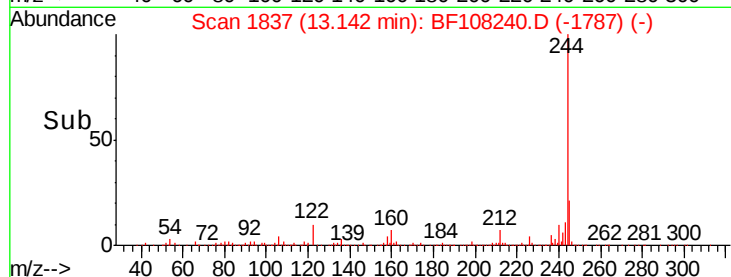
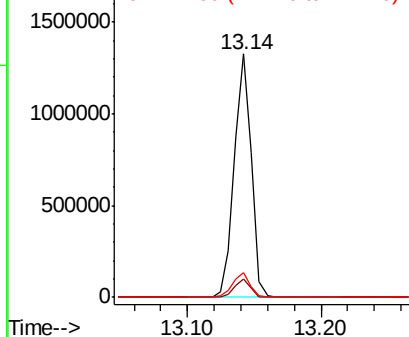
244 100

212 7.3 5.4 8.0

122 10.1 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



#82

Chrysene

Concen: 2.191 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108240.D

Acq: 17 Aug 2018 13:52

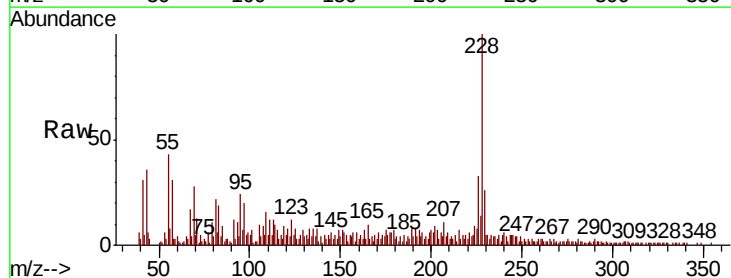
Tgt Ion:228 Resp: 48137

Ion Ratio Lower Upper

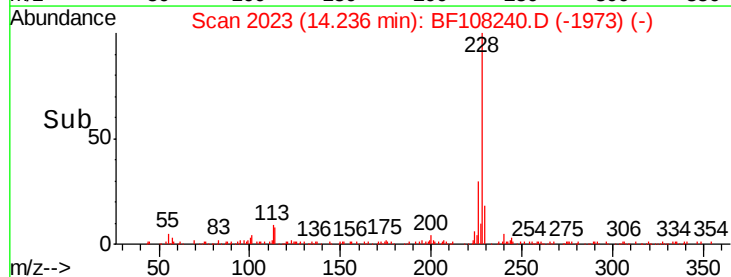
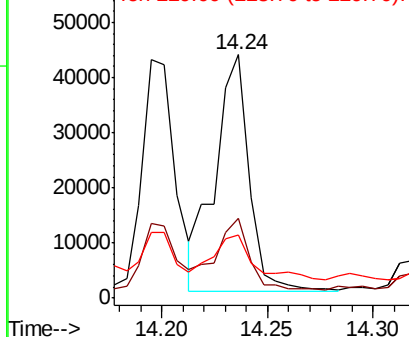
228 100

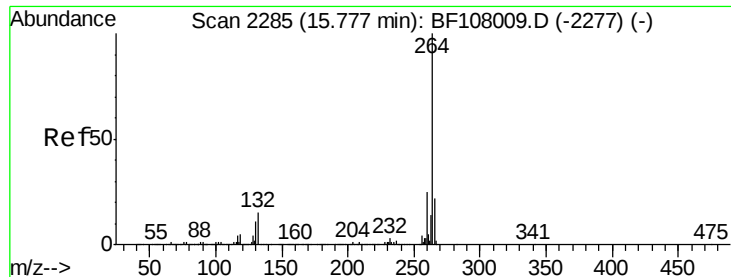
226 32.9 25.0 37.6

229 26.0 16.2 24.4#



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

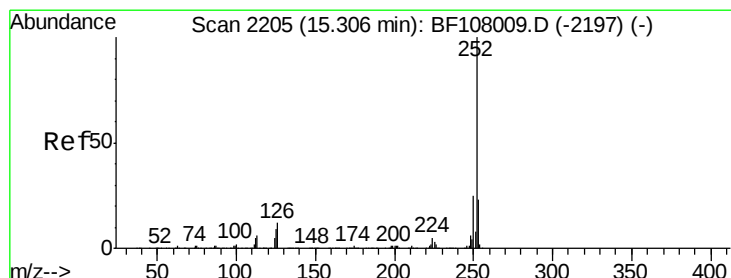
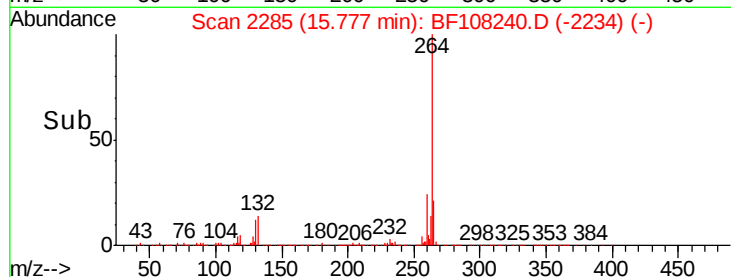
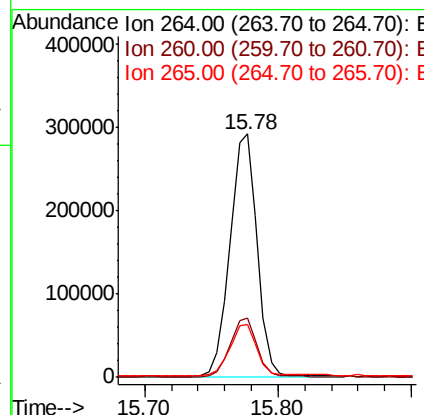
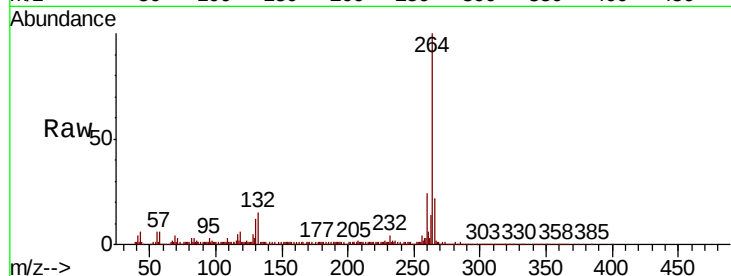




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

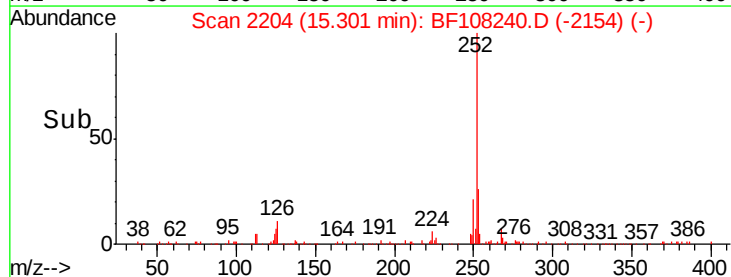
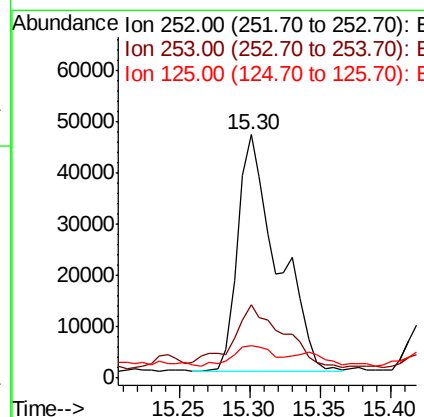
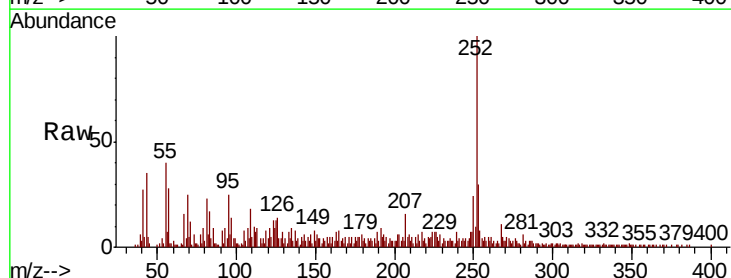
Instrument :
BNA_F
ClientSampleId :

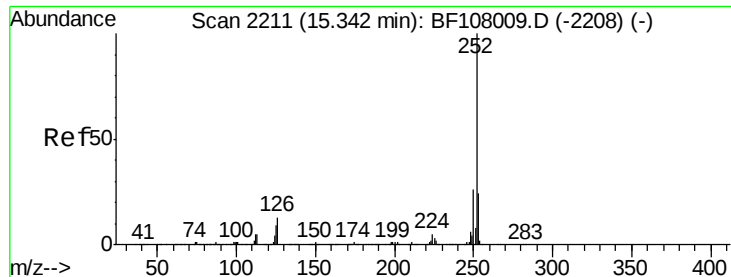
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.614 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.0	25.6#
125	13.3	9.0	13.6

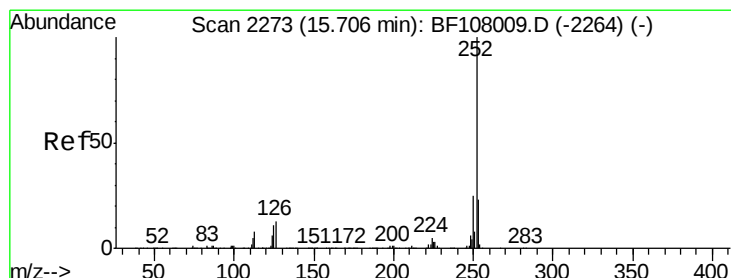
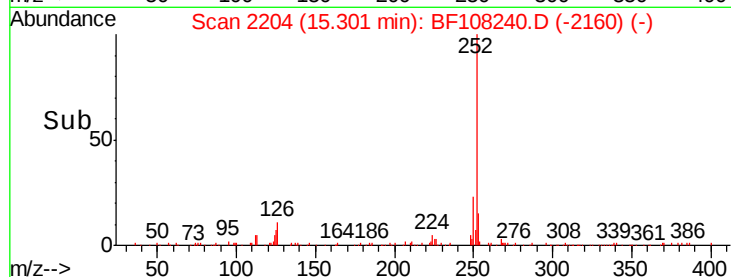
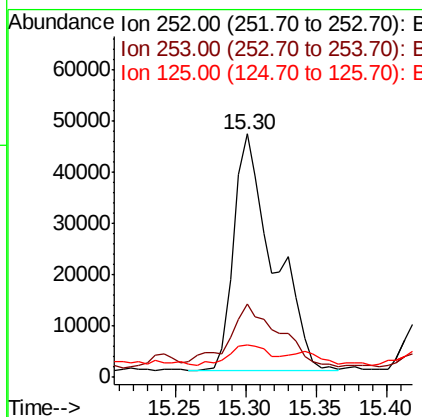
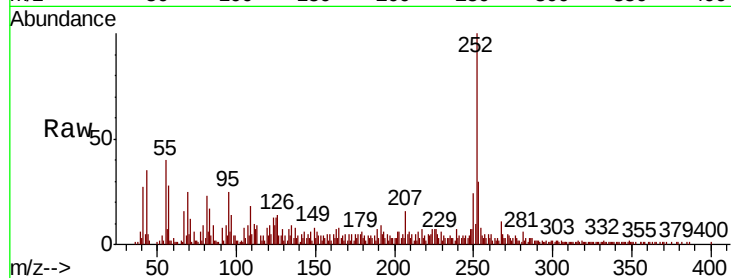




#88
Benzo(k)fluoranthene
Concen: 3.932 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

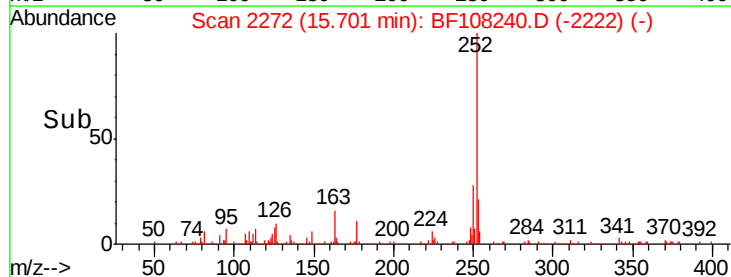
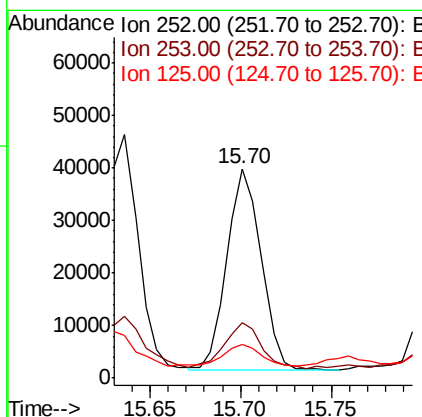
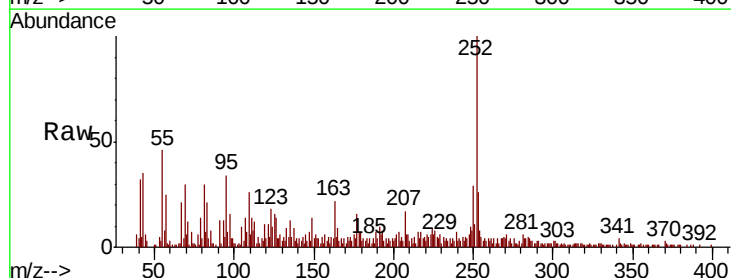
Instrument :
BNA_F
ClientSampleId :

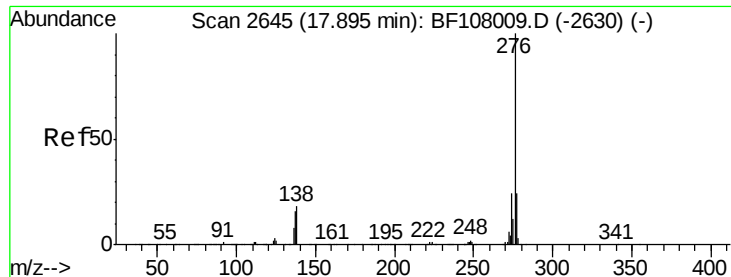
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.9	26.9#
125	13.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.270 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108240.D
Acq: 17 Aug 2018 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	15.9	9.8	14.6#

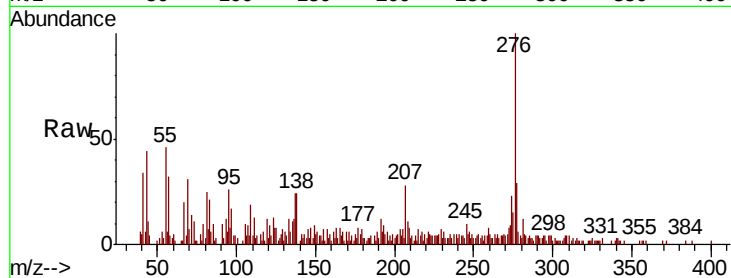




#91
 Benzo(a,h,i)perylene
 Concen: 2.232 ng
 RT: 17.88 min Scan# 2643
 Delta R.T. -0.01 min
 Lab File: BF108240.D
 Acq: 17 Aug 2018 13:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	17.9	26.9
138	24.2	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

