

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111740.D
 Acq On : 27 Dec 2018 3:23
 Operator : JU/SJ
 Sample : J6188-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118

Quant Time: Dec 27 04:15:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

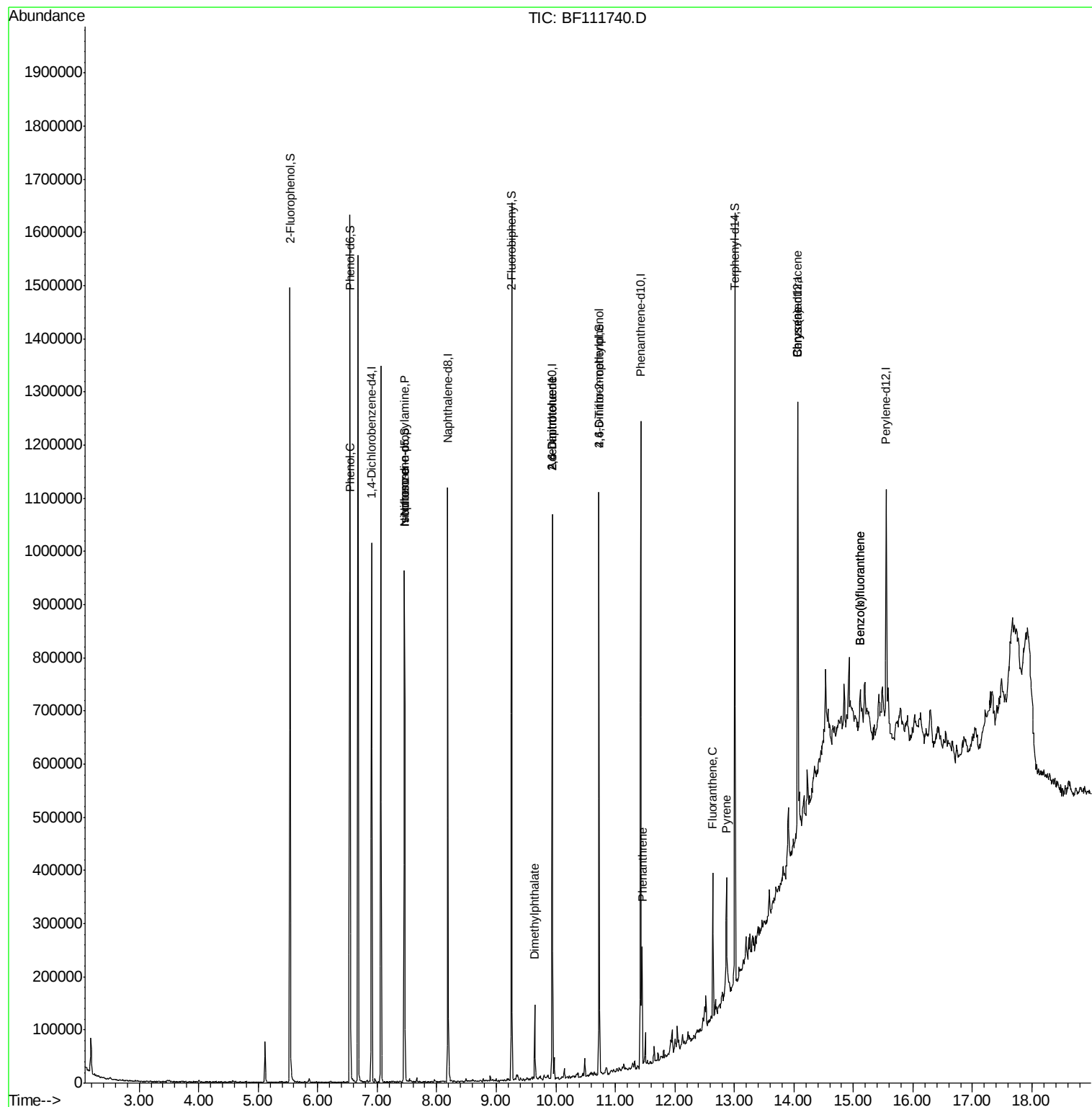
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	132316	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	446452	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	204506	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	397791	20.00	ng	0.01
76) Chrysene-d12	14.07	240	278755	20.00	ng	0.02
87) Perylene-d12	15.55	264	222050	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	388391	50.03	ng	0.02
7) Phenol-d6	6.54	99	463108	46.88	ng	0.02
23) Nitrobenzene-d5	7.46	82	262052	34.17	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	119086	49.28	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	447841	31.92	ng	0.00
79) Terphenyl-d14	13.01	244	466066	31.71	ng	0.01
Target Compounds						
10) Phenol	6.55	94	28551	2.561	ng	94
19) n-Nitroso-di-n-propylamine	7.46	70	36379	5.545	ng	# 76
25) Isophorone	7.46	82	262093	19.248	ng	# 64
50) Dimethylphthalate	9.65	163	55741	3.727	ng	97
51) 2,6-Dinitrotoluene	9.94	165	25872	8.676	ng	# 30
57) 2,4-Dinitrotoluene	9.94	165	25872	7.219	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	144	6.768	ng	# 1
71) Phenanthrene	11.45	178	75066	3.558	ng	92
75) Fluoranthene	12.64	202	95509	4.471	ng	95
78) Pyrene	12.87	202	84856	4.311	ng	97
81) Benzo(a)anthracene	14.06	228	33603	2.112	ng	98
83) Chrysene	14.06	228	33603	2.149	ng	95
88) Benzo(b)fluoranthene	15.12	252	41335	3.185	ng	# 81
89) Benzo(k)fluoranthene	15.12	252	41335	3.346	ng	# 80

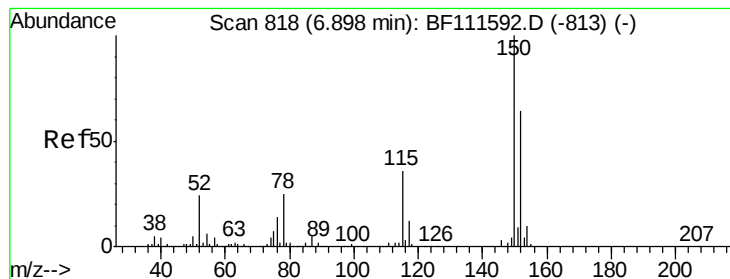
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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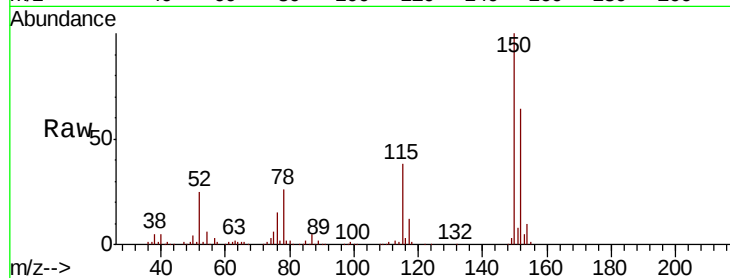


#1

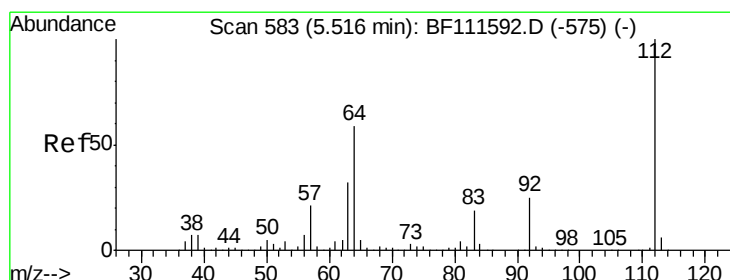
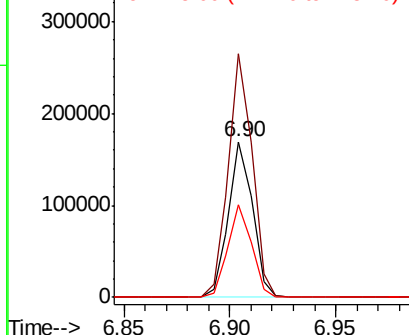
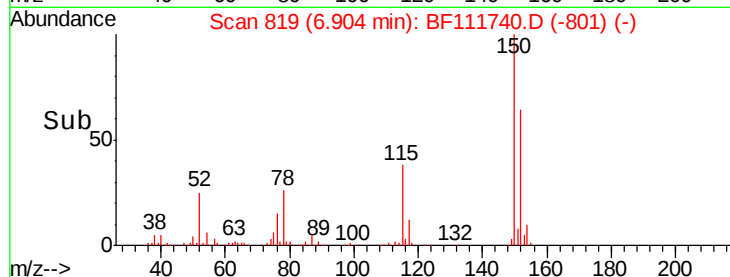
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF111740.D
 Acq: 27 Dec 2018 3:23

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	59.2	50.7	76.1



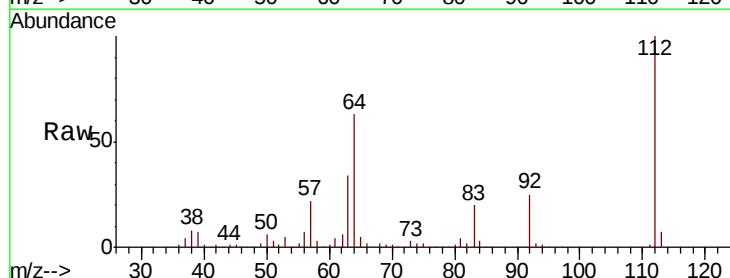
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



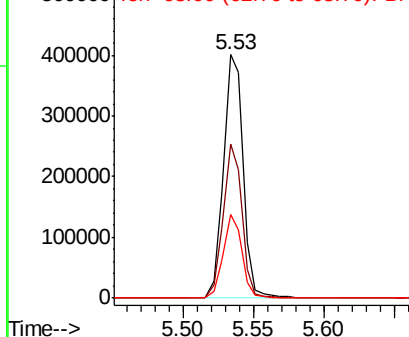
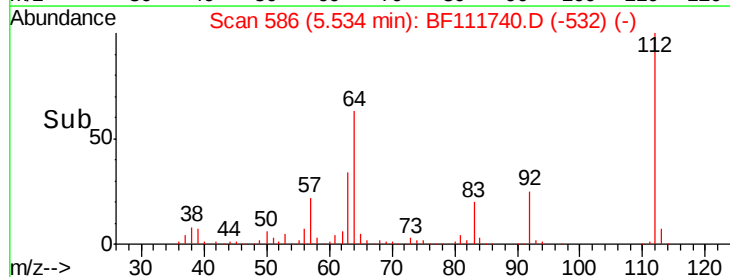
#5

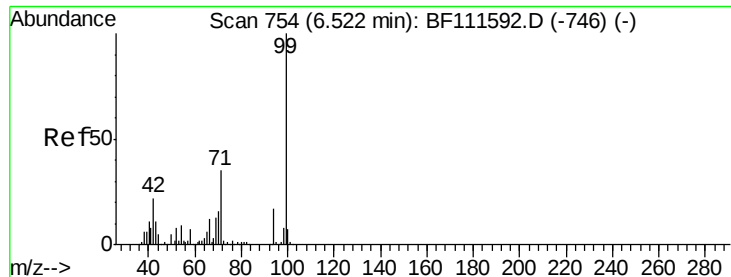
2-Fluorophenol
 Concen: 50.034 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF111740.D
 Acq: 27 Dec 2018 3:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.8	77.6
63	34.4	26.8	40.2



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: 46.878 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

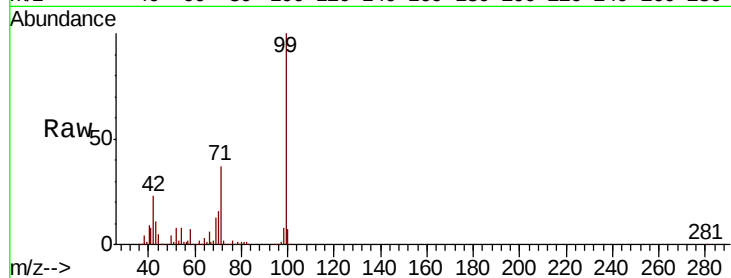
Tot Ion: 99 Resp: 463108

Ion Ratio Lower Upper

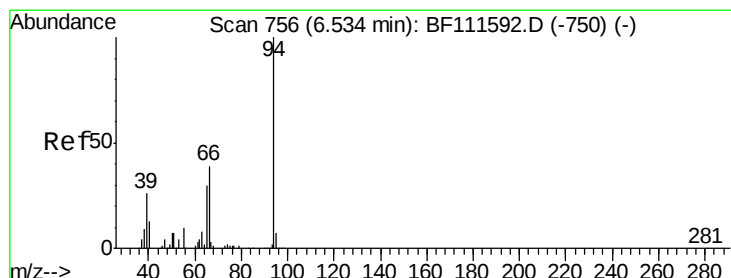
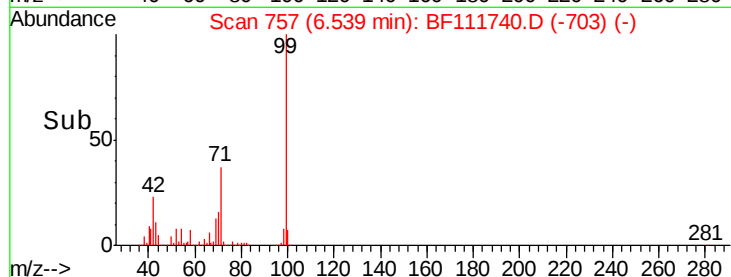
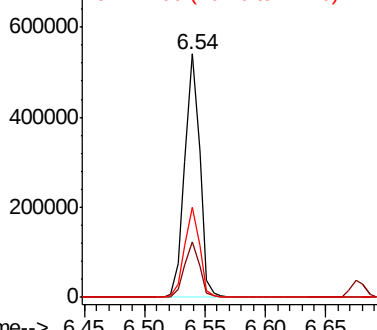
99 100

42 23.0 17.4 26.0

71 37.0 26.1 39.1



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: 2.561 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

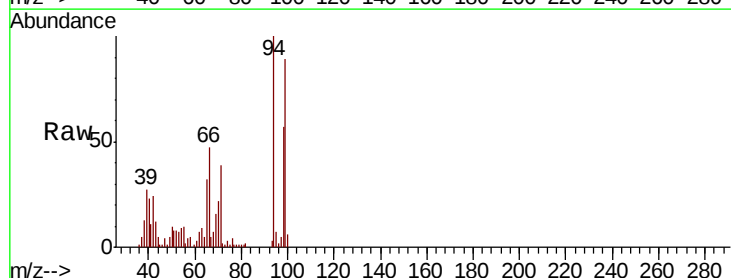
Tgt Ion: 94 Resp: 28551

Ion Ratio Lower Upper

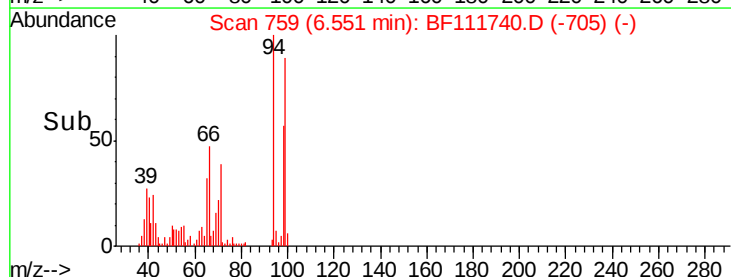
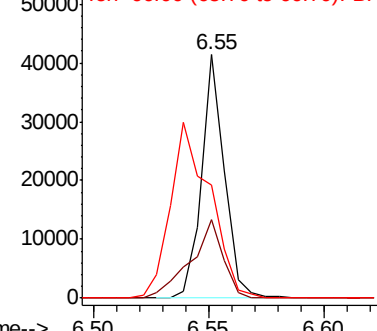
94 100

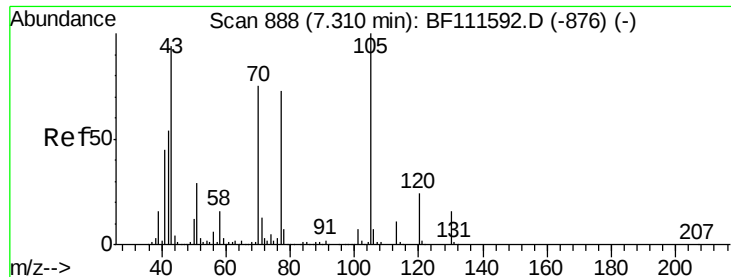
65 32.2 11.7 51.7

66 46.7 21.0 61.0



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

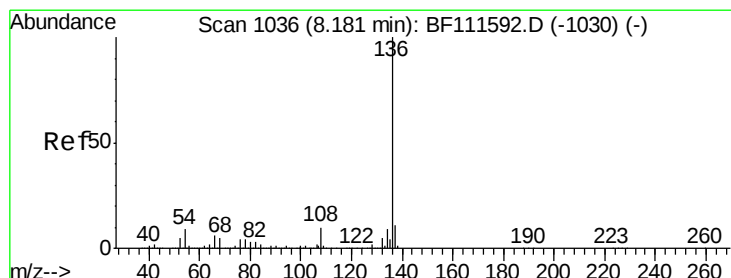
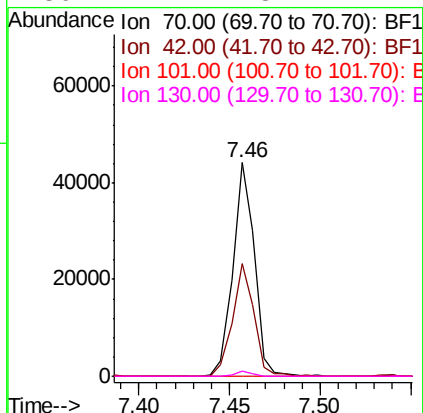
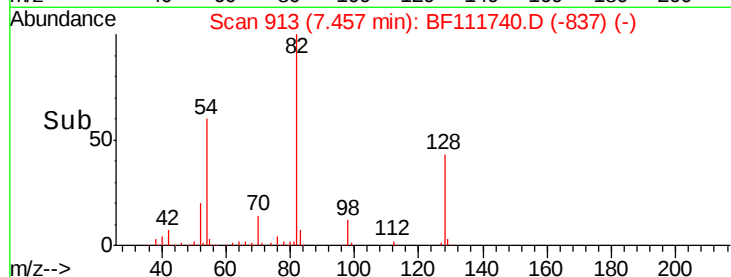
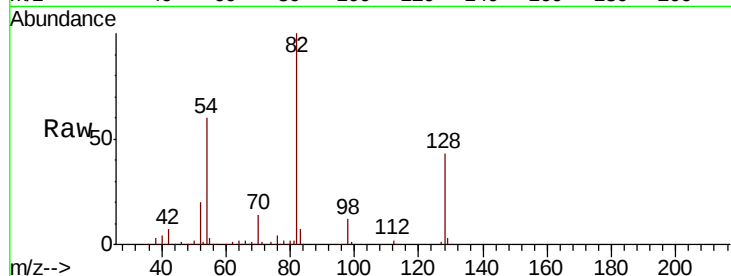




#19
n-Nitroso-di-n-propylamine
Concen: 5.545 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

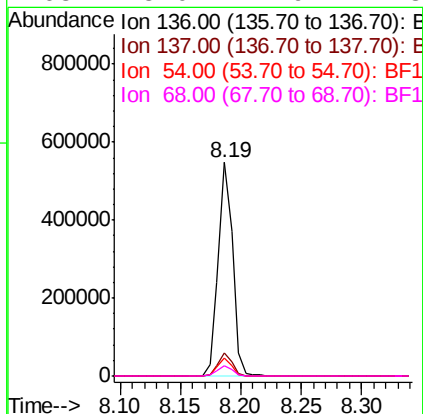
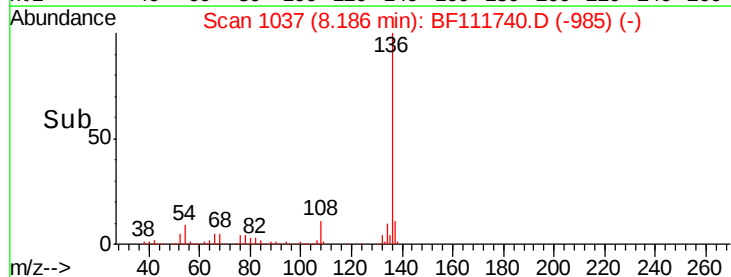
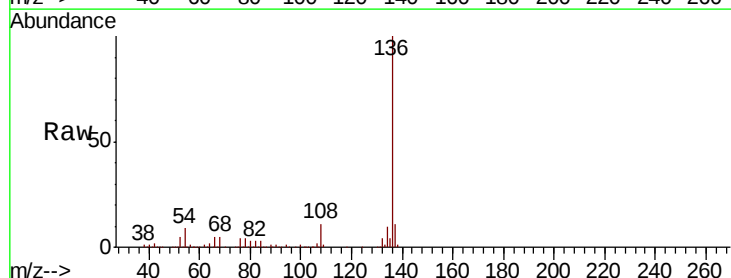
Instrument :
BNA_F
ClientSampleId :
BU-03-122118

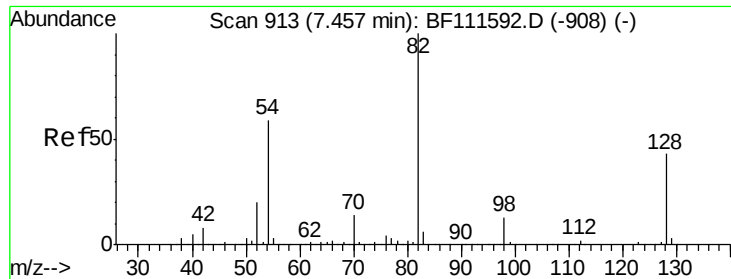
Tot Ion: 70 Resp: 36379
Ion Ratio Lower Upper
70 100
42 52.8 53.2 79.8#
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Tgt Ion: 136 Resp: 446452
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.6 7.7 11.5
68 5.0 4.9 7.3

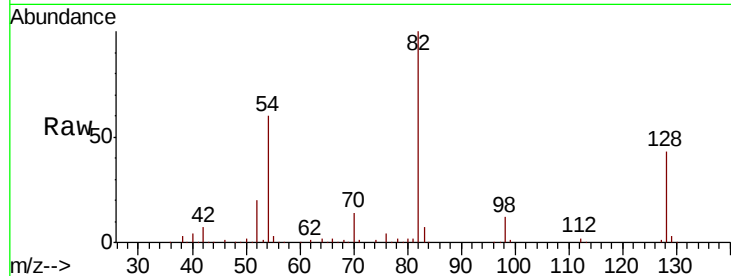




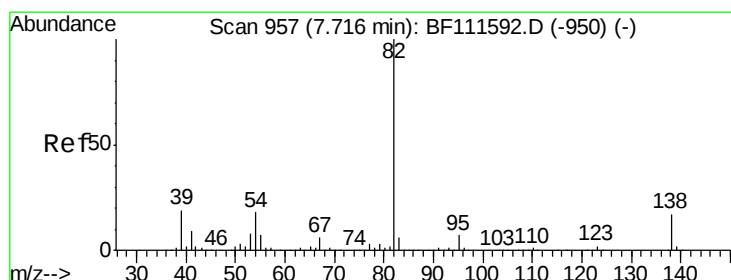
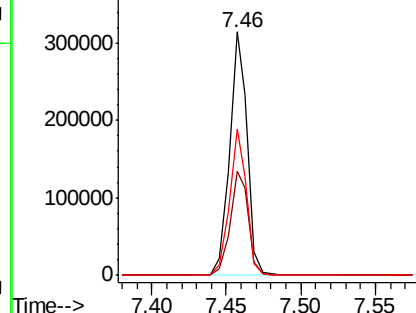
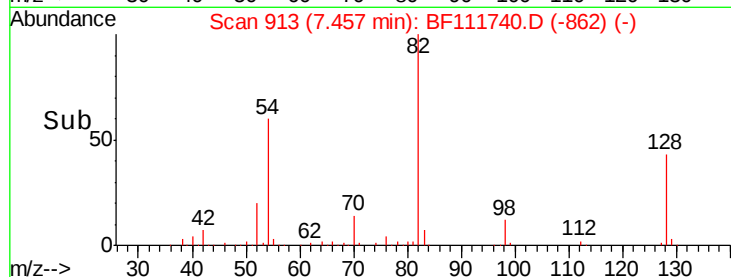
#23
 Nitrobenzene-d5
 Concen: 34.166 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111740.D
 Acq: 27 Dec 2018 3:23

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118

Tot Ion	82	Resp	262052
Ion Ratio	Lower	Upper	
82	100		
128	42.9	37.4	56.2
54	59.9	47.6	71.4

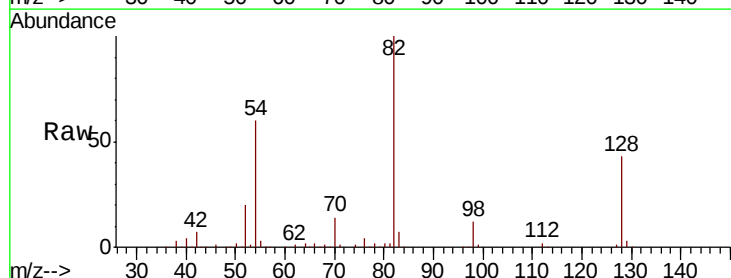


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

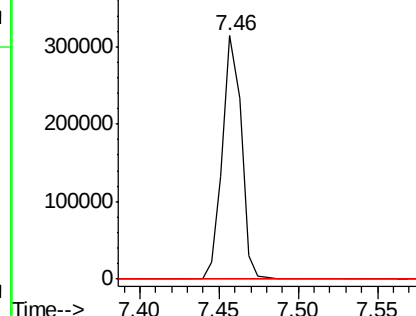
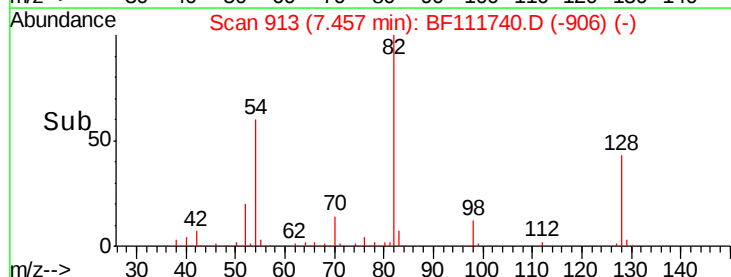


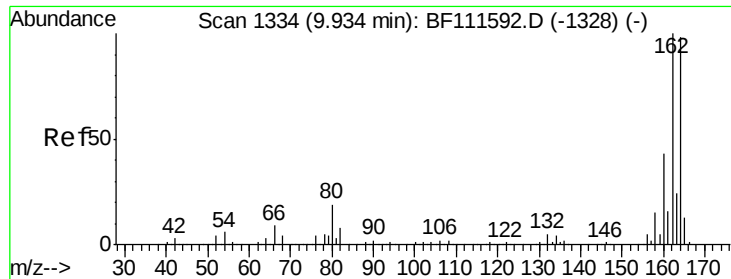
#25
 Isophorone
 Concen: 19.248 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF111740.D
 Acq: 27 Dec 2018 3:23

Tgt Ion	82	Resp	262093
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	15.1	22.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

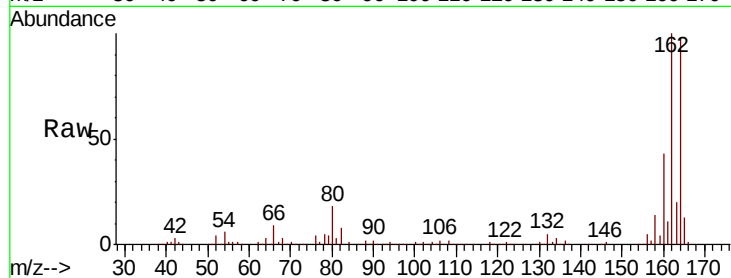
Tot Ion:164 Resp: 204506

Ion Ratio Lower Upper

164 100

162 101.5 81.4 122.0

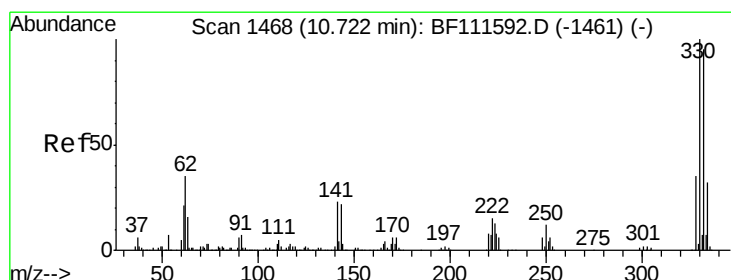
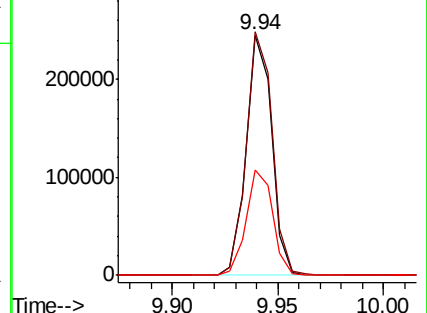
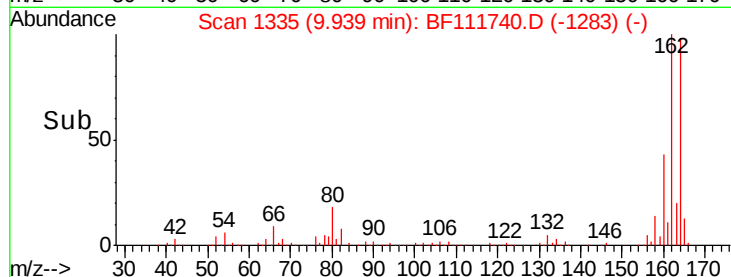
160 44.2 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 49.283 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

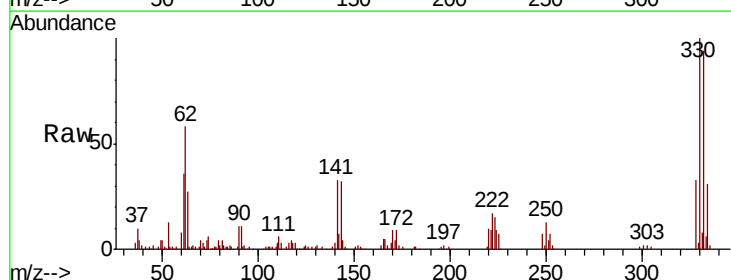
Tgt Ion:330 Resp: 119086

Ion Ratio Lower Upper

330 100

332 93.9 76.0 114.0

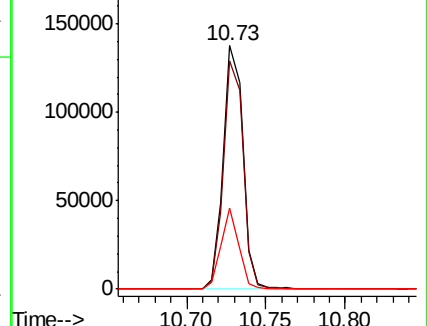
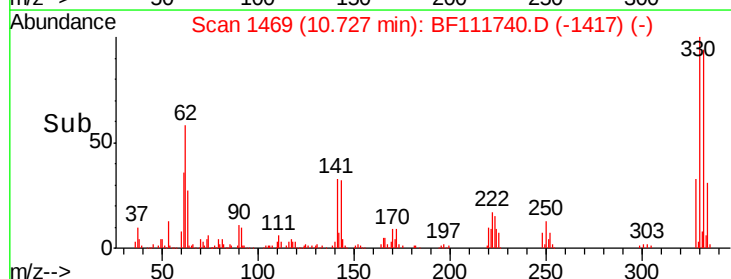
141 30.2 31.0 46.6#

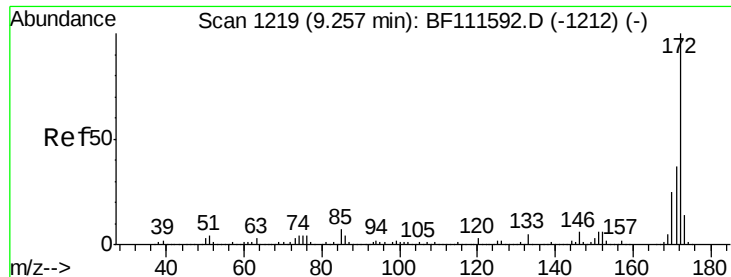


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

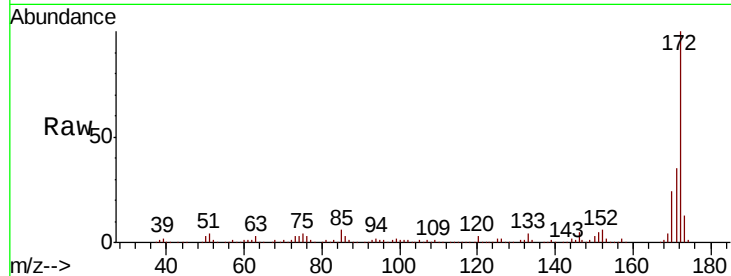




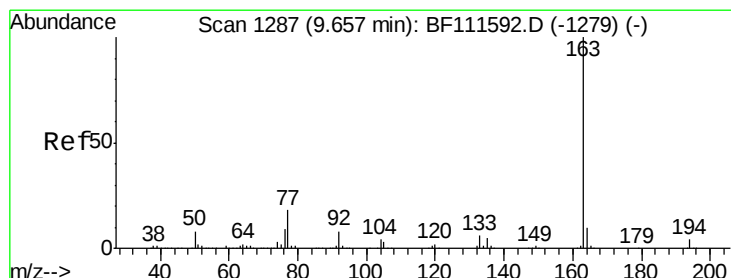
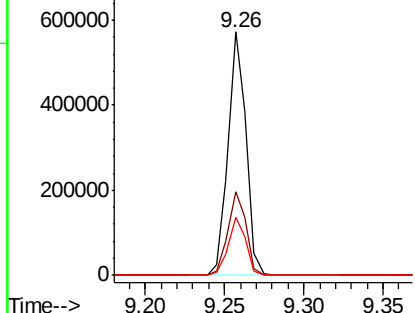
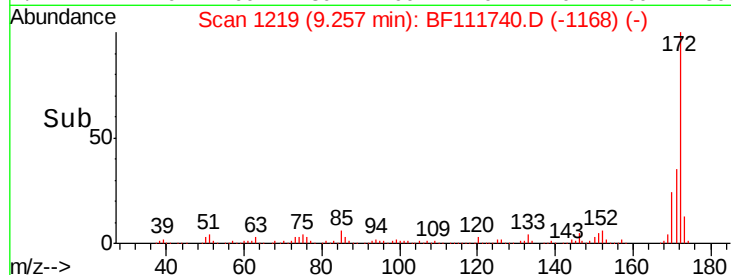
#45
2-Fluorobiphenyl
Concen: 31.919 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:172 Resp: 447841
Ion Ratio Lower Upper
172 100
171 34.5 33.0 49.4
170 23.6 22.3 33.5

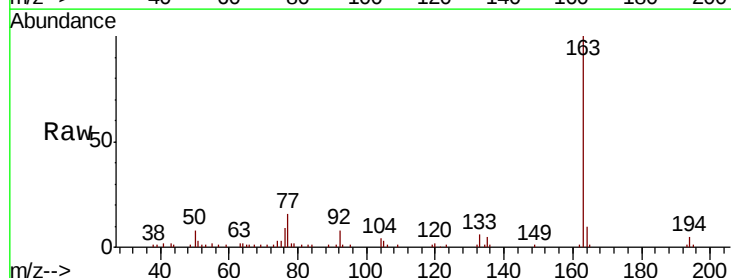


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

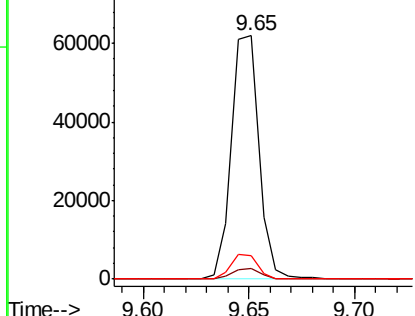
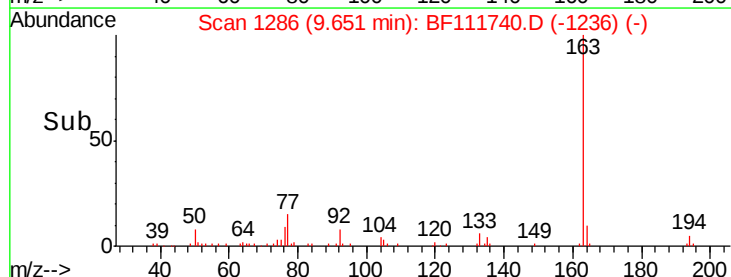


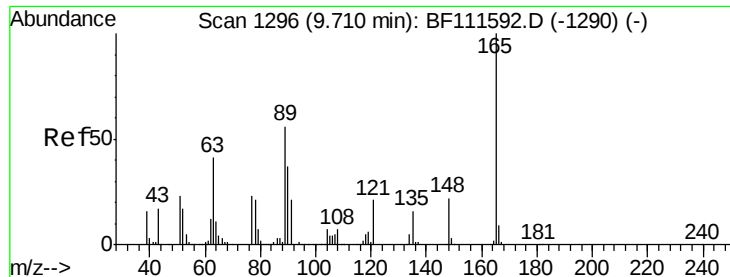
#50
Dimethylphthalate
Concen: 3.727 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Tgt Ion:163 Resp: 55741
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 9.7 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 8.676 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

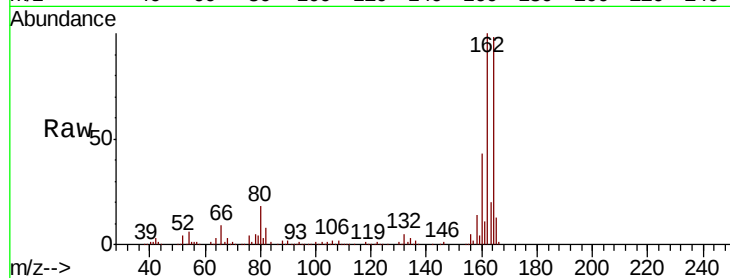
Tot Ion:165 Resp: 25872

Ion Ratio Lower Upper

165 100

63 1.8 40.5 60.7#

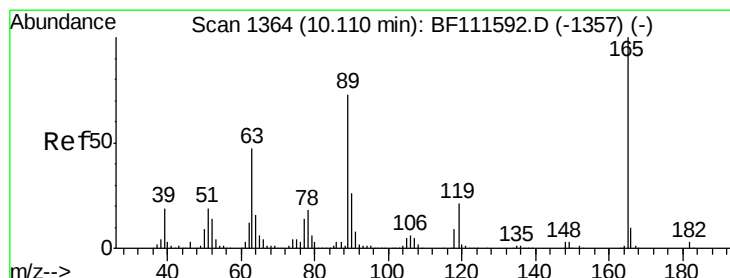
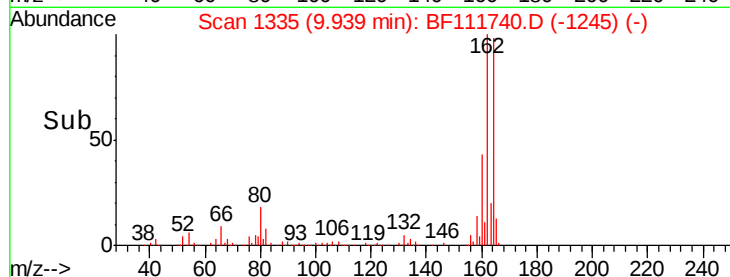
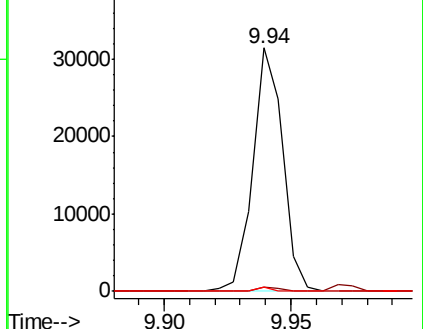
89 1.7 40.0 60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.219 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.17 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Tgt Ion:165 Resp: 25872

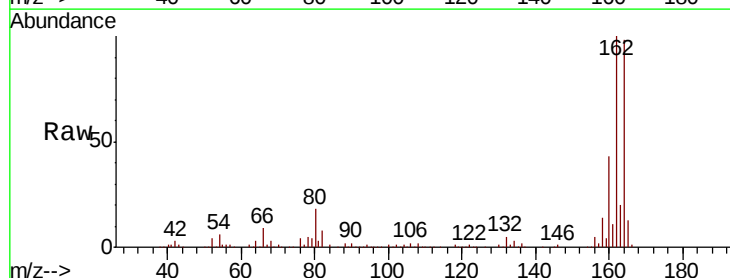
Ion Ratio Lower Upper

165 100

63 1.8 34.6 52.0#

89 1.7 56.2 84.4#

182 0.0 1.8 2.6#

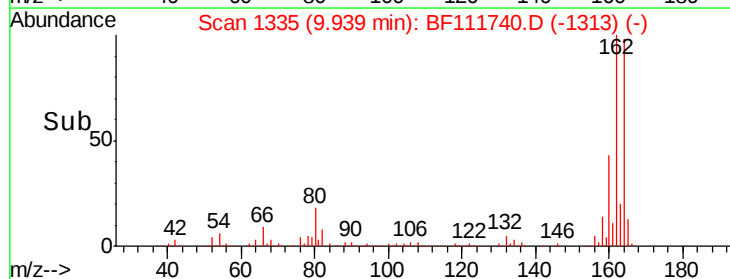
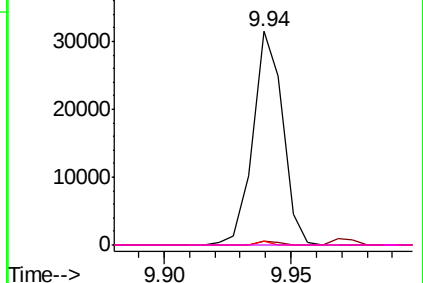


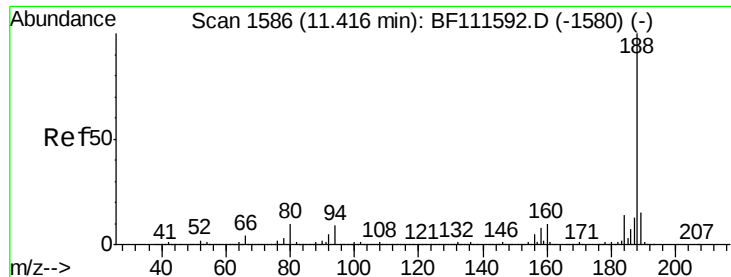
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

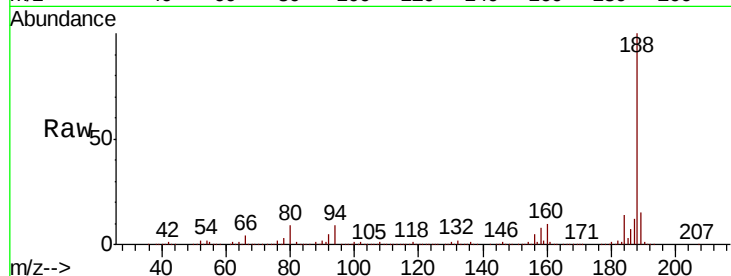
Tot Ion:188 Resp: 397791

Ion Ratio Lower Upper

188 100

94 8.6 9.6 14.4#

80 9.1 9.8 14.6#



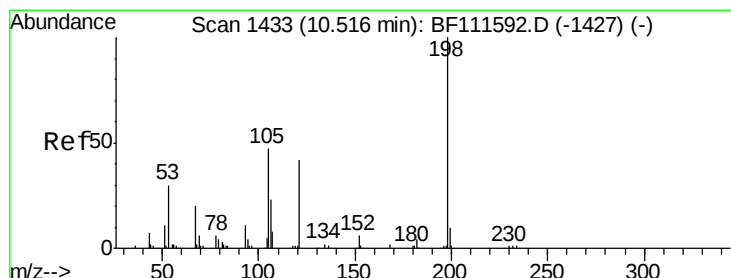
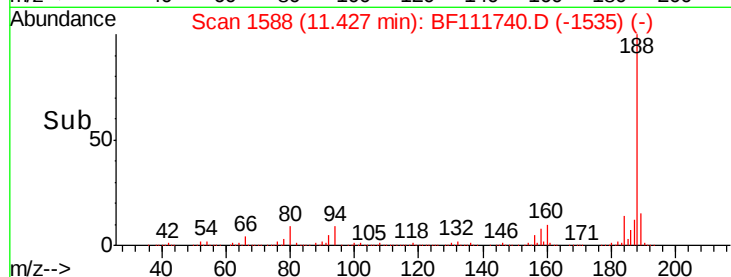
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.43

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.768 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

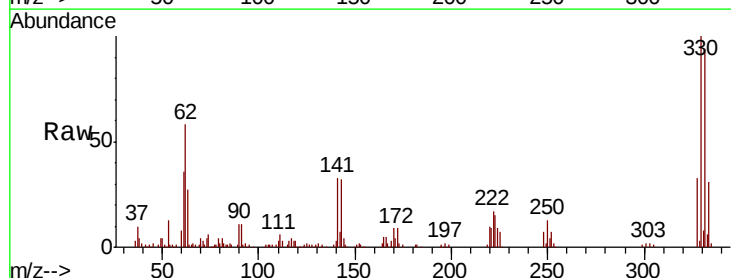
Tgt Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 287.7 48.0 88.0#

105 200.2 34.0 74.0#



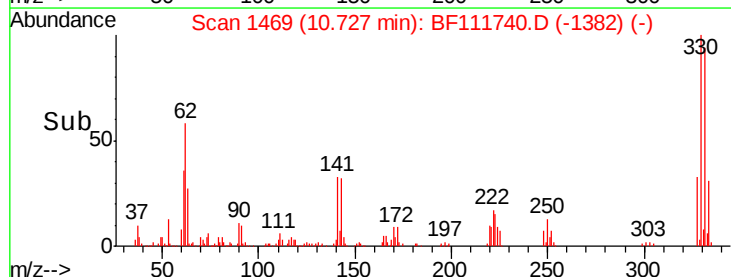
Abundance Ion 198.00 (197.70 to 198.70): E

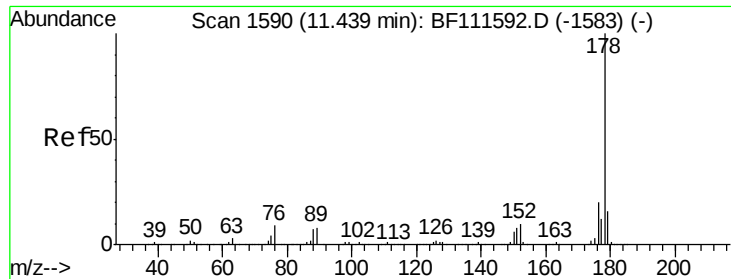
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

10.73

Time-->





#71

Phenanthrene

Concen: 3.558 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

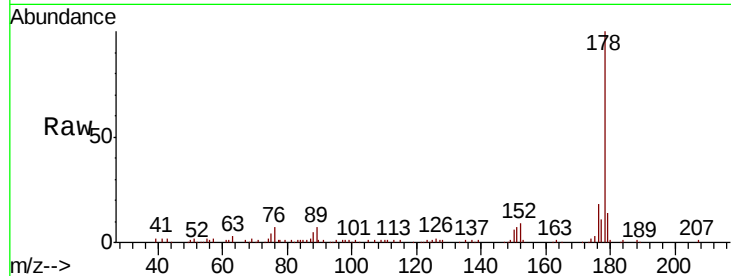
Tot Ion:178 Resp: 75066

Ion Ratio Lower Upper

178 100

176 18.4 18.1 27.1

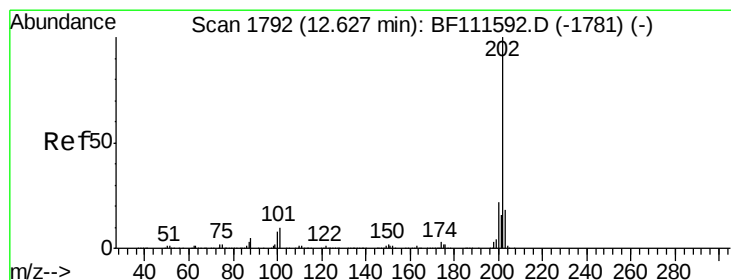
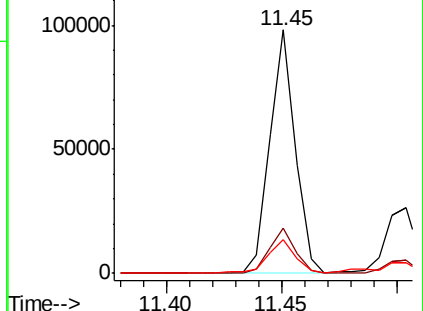
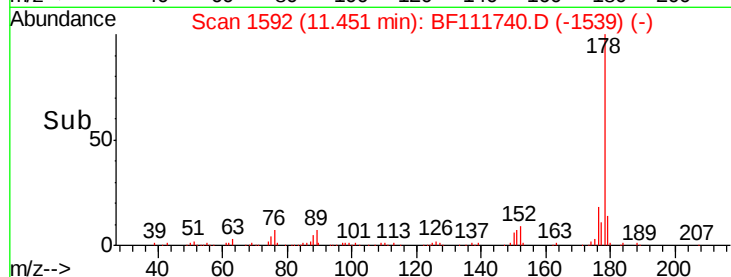
179 14.1 14.0 21.0



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



#75

Fluoranthene

Concen: 4.471 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

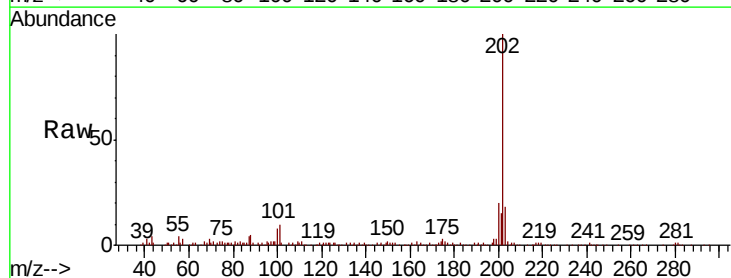
Tgt Ion:202 Resp: 95509

Ion Ratio Lower Upper

202 100

101 9.8 0.0 33.8

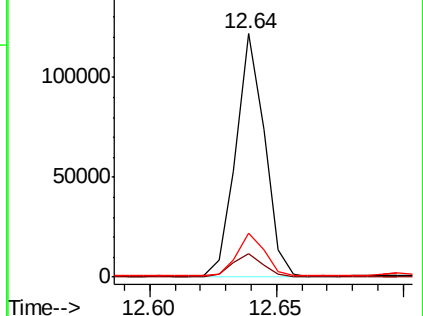
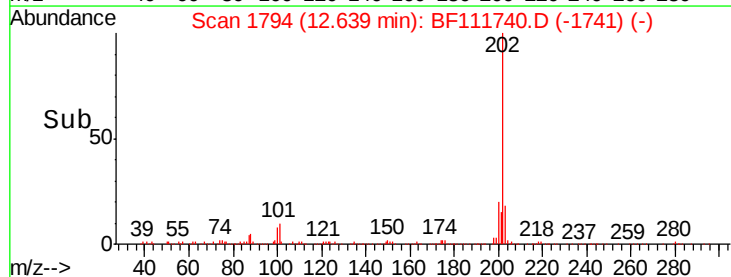
203 17.9 0.0 38.6

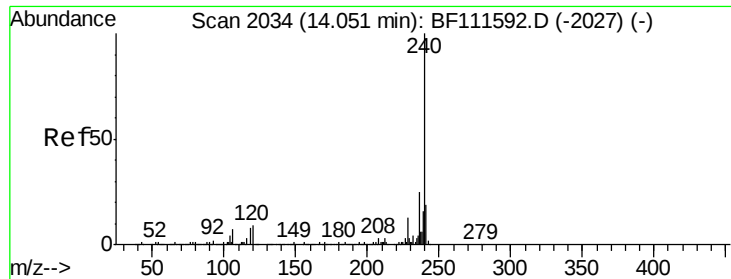


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

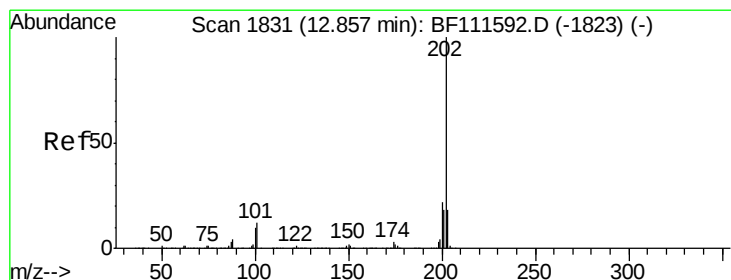
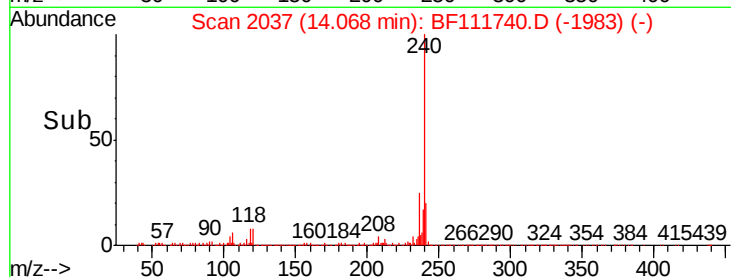
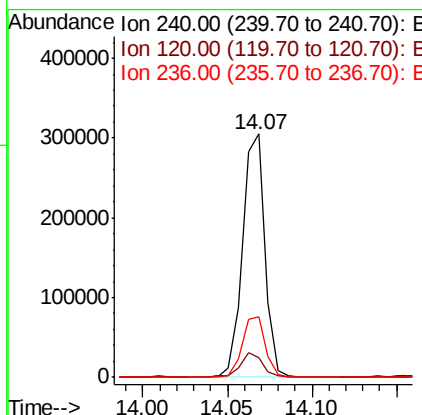
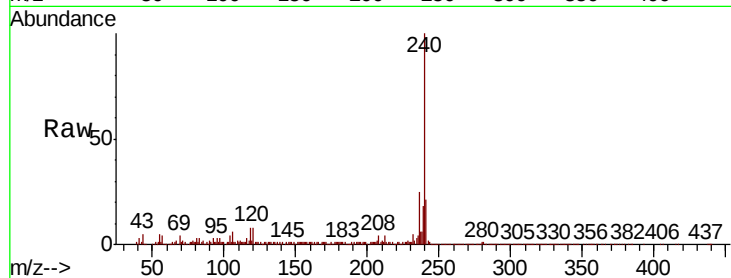




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

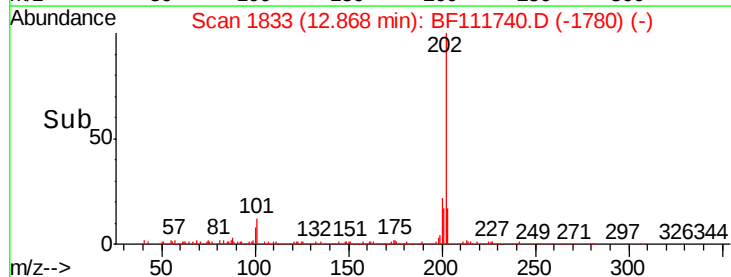
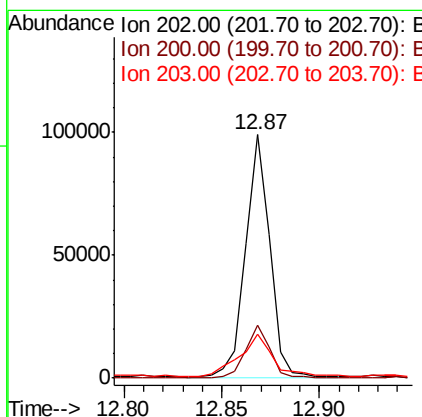
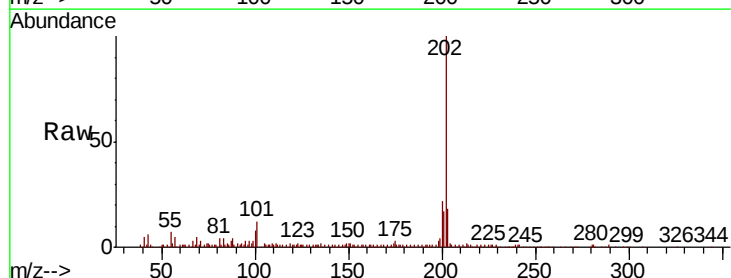
Instrument :
BNA_F
ClientSampleId :
BU-03-122118

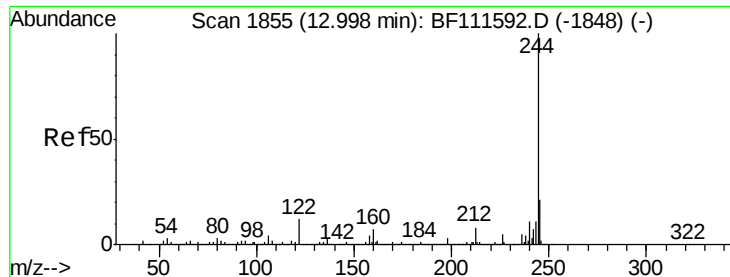
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	12.2	18.2#
236	24.8	20.2	30.2



#78
Pyrene
Concen: 4.311 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	19.0	28.4
203	18.1	15.2	22.8





#79

Terphenyl-d14

Concen: 31.707 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

Instrument :

BNA_F

ClientSampleId :

BU-03-122118

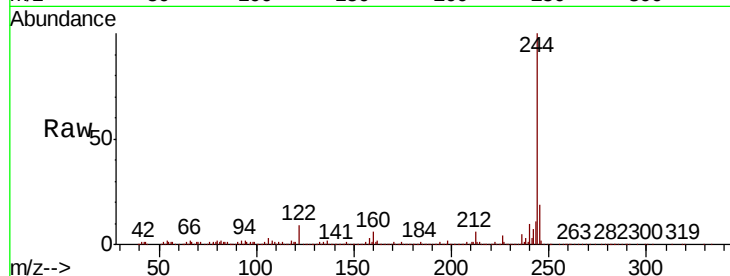
Tot Ion:244 Resp: 466066

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

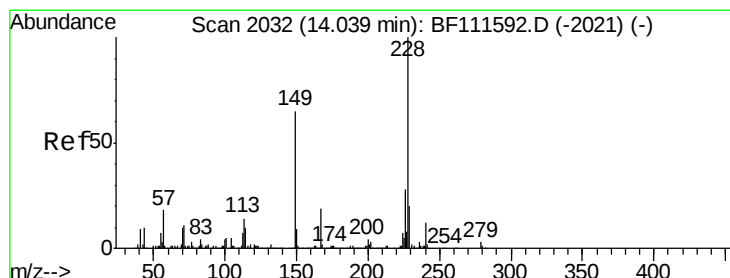
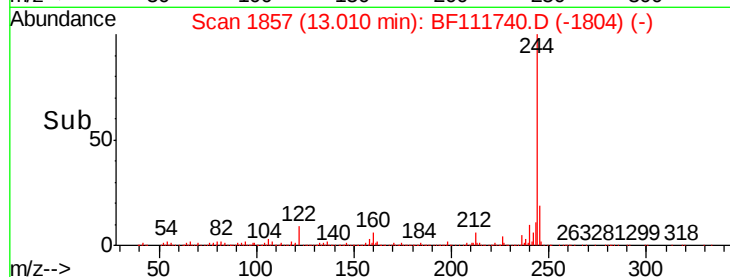
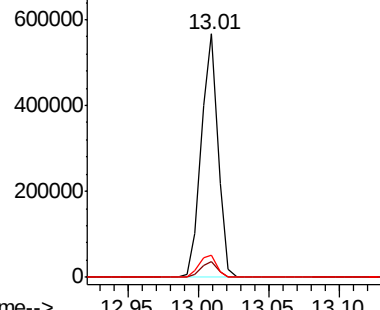
122 9.3 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 2.112 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF111740.D

Acq: 27 Dec 2018 3:23

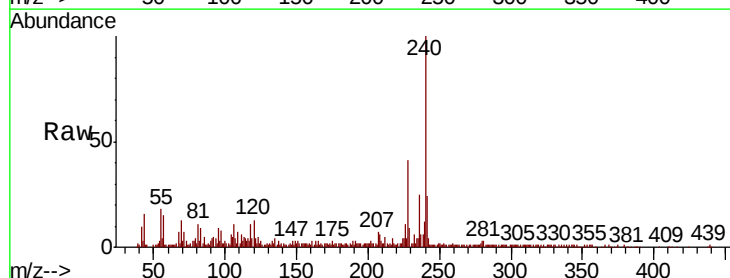
Tgt Ion:228 Resp: 33603

Ion Ratio Lower Upper

228 100

226 27.8 22.6 34.0

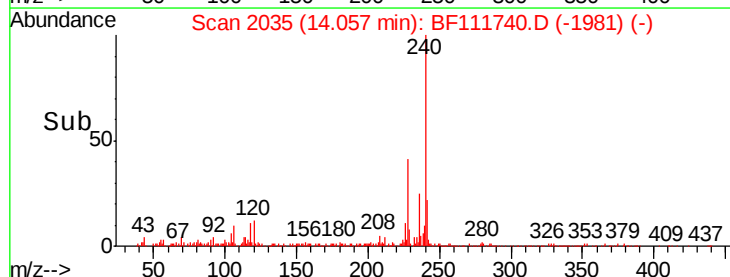
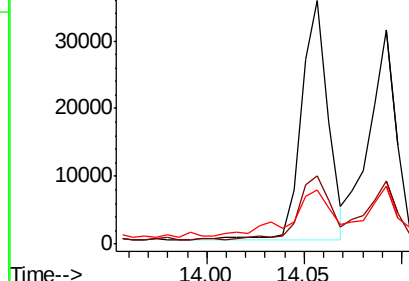
229 22.0 16.3 24.5

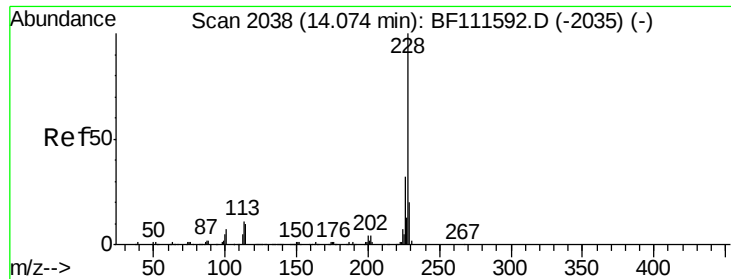


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

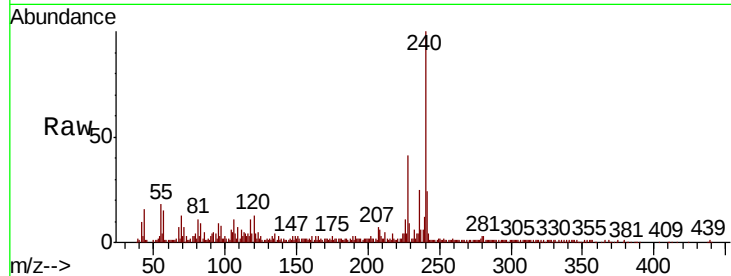




#83
Chrysene
Concen: 2.149 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Instrument :
BNA_F
ClientSampleId :
BU-03-122118

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.3	37.9
229	22.0	17.2	25.8

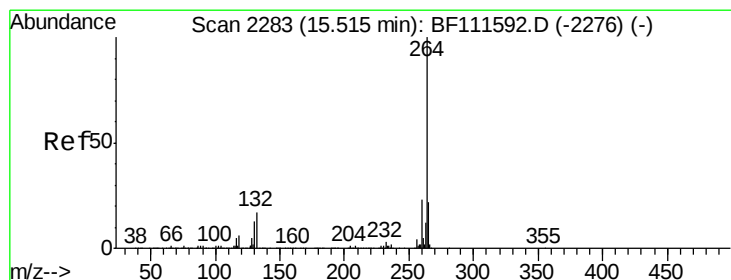
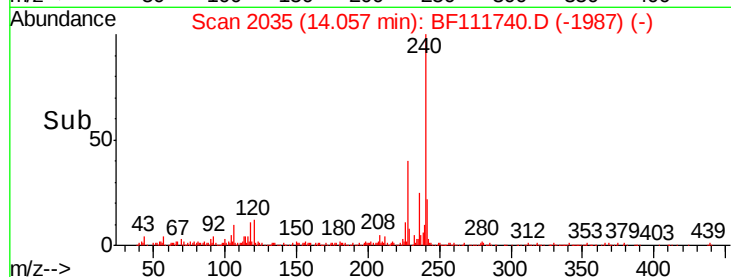
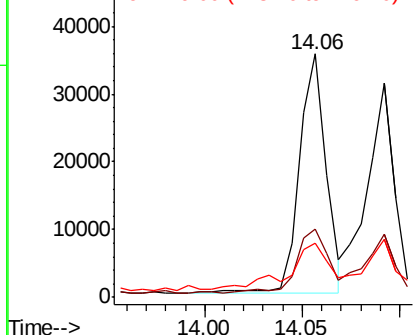


Abundance

Ion 228.00 (227.70 to 228.70): E

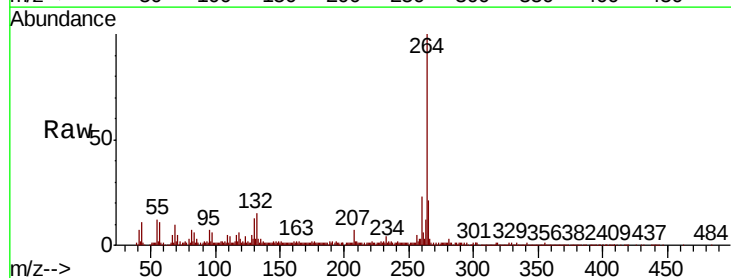
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.04 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	21.1	17.7	26.5

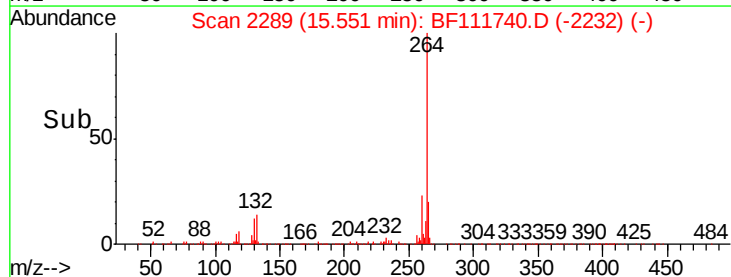
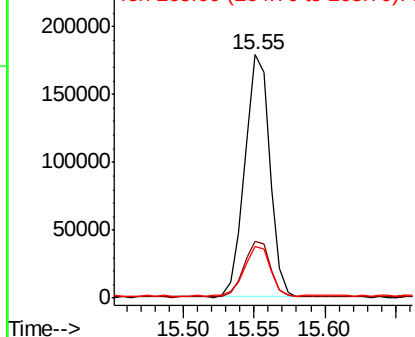


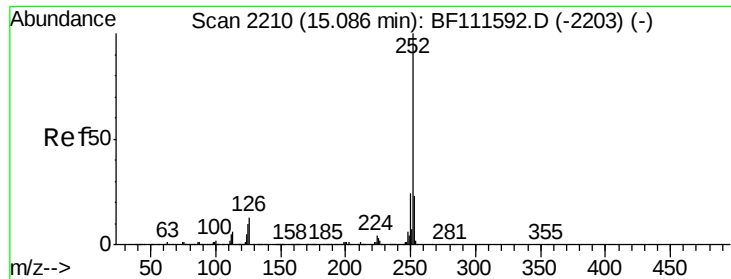
Abundance

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

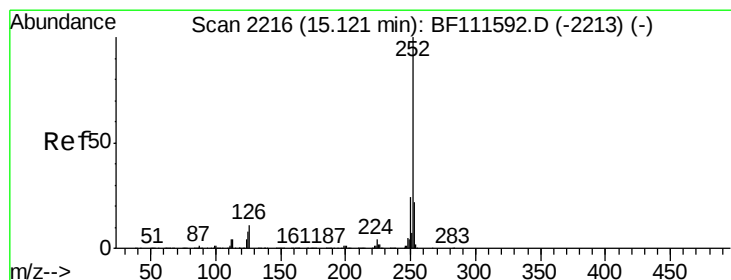
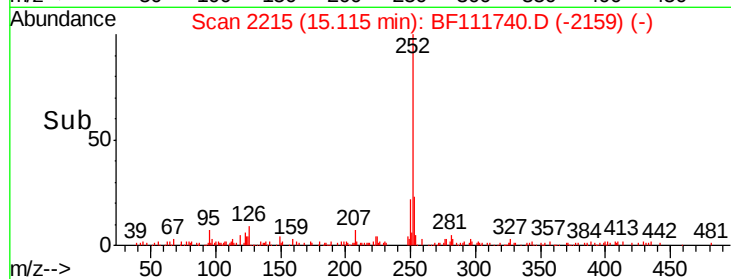
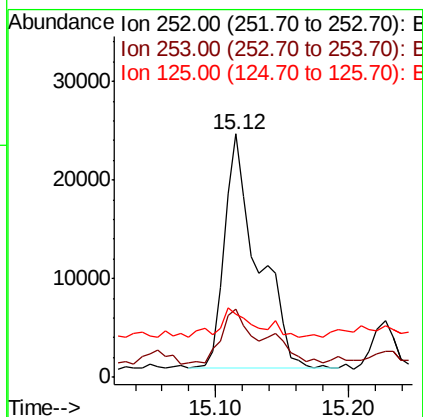
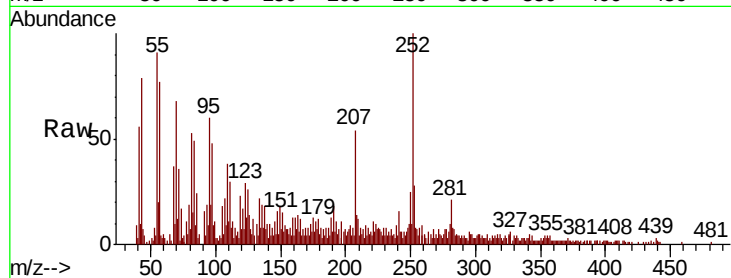




#88
Benzo(b)fluoranthene
Concen: 3.185 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.03 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Instrument :
BNA_F
ClientSampleId :
BU-03-122118

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.2	27.2#
125	26.1	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 3.346 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111740.D
Acq: 27 Dec 2018 3:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.1	27.1#
125	26.1	9.8	14.8#

