

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111018.D
 Acq On : 27 Nov 2018 19:09
 Operator : JU/SJ
 Sample : J6051-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

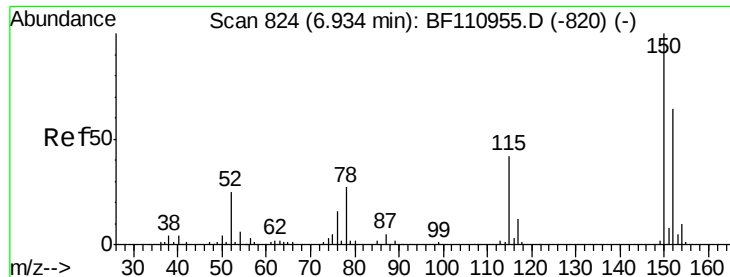
Quant Time: Nov 28 00:59:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	46242	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	181513	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	75192	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	141250	20.00	ng	0.00
76) Chrysene-d12	14.13	240	108212	20.00	ng	0.00
87) Perylene-d12	15.67	264	73693	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	25446	9.13	ng	0.03
7) Phenol-d6	6.59	99	34301	9.44	ng	0.02
23) Nitrobenzene-d5	7.53	82	18056	5.69	ng	0.02
42) 2,4,6-Tribromophenol	10.79	330	6263	8.39	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	34948	6.73	ng	0.00
79) Terphenyl-d14	13.06	244	31365	5.64	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.63	77	134	Below Cal	#	1
25) Isophorone	7.53	82	18056	3.471 ng	#	67
49) Acenaphthylene	9.85	152	29357	4.107 ng		97
51) 2,6-Dinitrotoluene	9.98	165	9379	7.640 ng	#	21
56) 4-Nitrophenol	10.20	139	1371	5.870 ng	#	6
57) 2,4-Dinitrotoluene	9.98	165	9379	5.888 ng	#	17
71) Phenanthrene	11.50	178	102157	13.656 ng		97
72) Anthracene	11.56	178	38361	5.035 ng		98
75) Fluoranthene	12.70	202	175304	22.800 ng		99
78) Pyrene	12.93	202	160698	20.332 ng		97
81) Benzo(a)anthracene	14.13	228	77504	12.131 ng		97
83) Chrysene	14.16	228	60390	9.602 ng		98
86) Indeno(1,2,3-cd)pyrene	17.28	276	27499	6.091 ng		99
88) Benzo(b)fluoranthene	15.22	252	80194	18.524 ng	#	96
89) Benzo(k)fluoranthene	15.22	252	80194	17.997 ng	#	96
90) Benzo(a)pyrene	15.61	252	45450	11.279 ng	#	96
91) Dibenzo(a,h)anthracene	17.27	278	8329	2.505 ng	#	79
92) Benzo(g,h,i)perylene	17.77	276	24348	7.595 ng	#	93

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

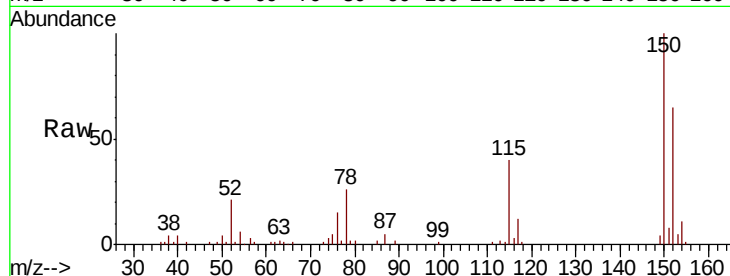


#1

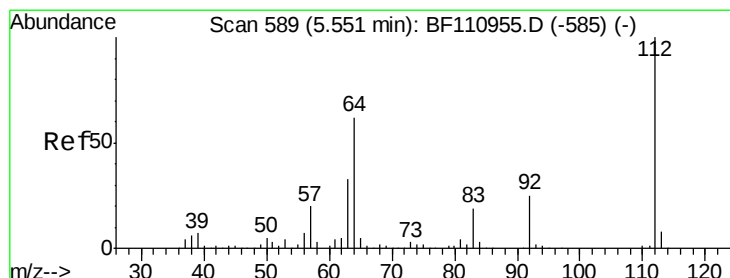
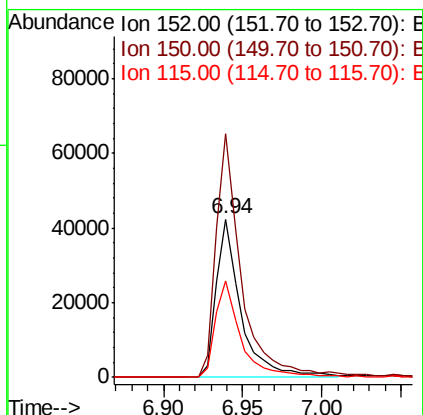
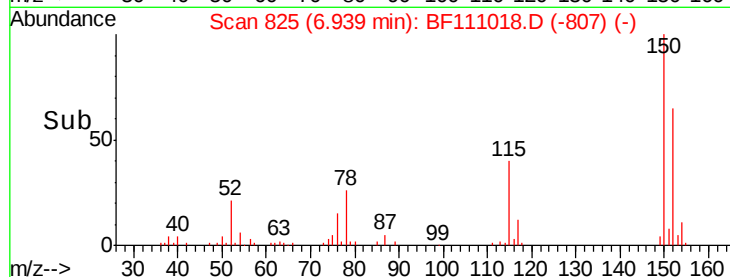
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:152 Resp: 46242
Ion Ratio Lower Upper
152 100
150 154.2 122.7 184.1
115 61.0 49.1 73.7



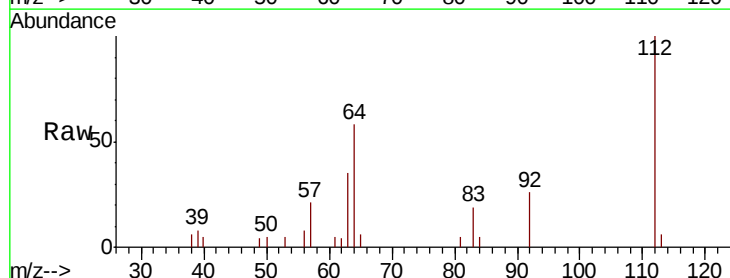
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



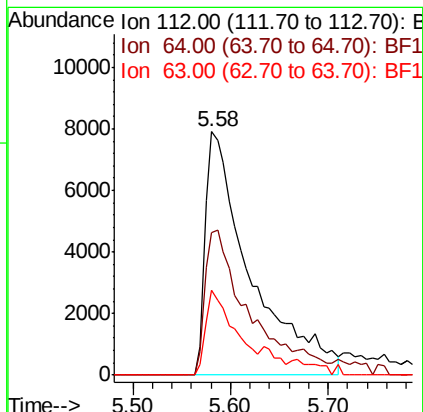
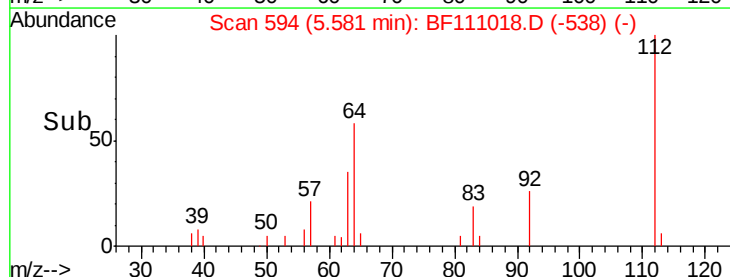
#5

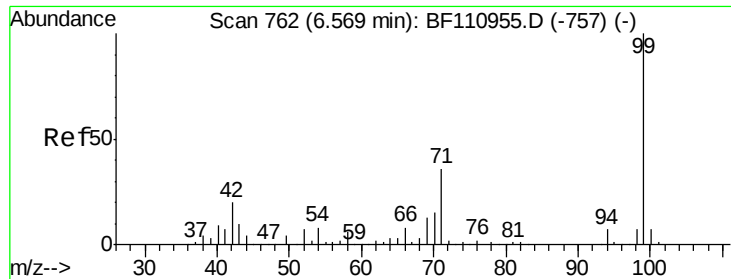
2-Fluorophenol
Concen: 9.125 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.03 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:112 Resp: 25446
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 34.6 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: 9.439 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

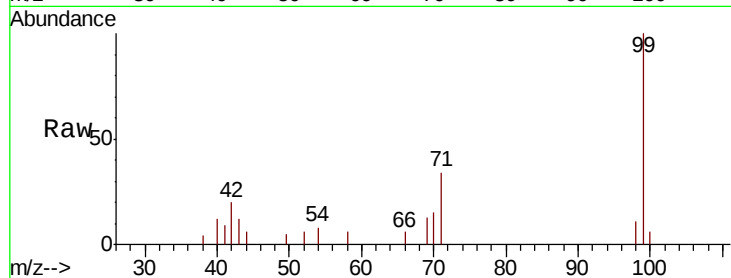
Tgt Ion: 99 Resp: 34301

Ion Ratio Lower Upper

99 100

42 20.3 15.8 23.6

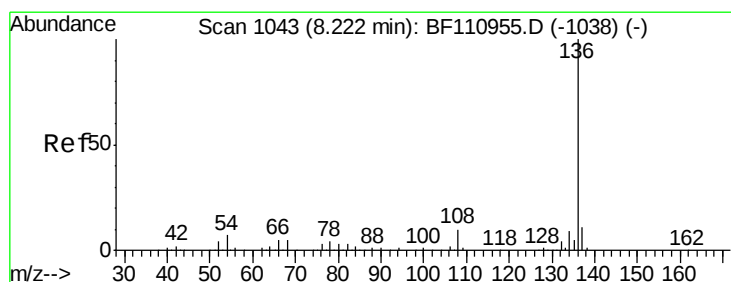
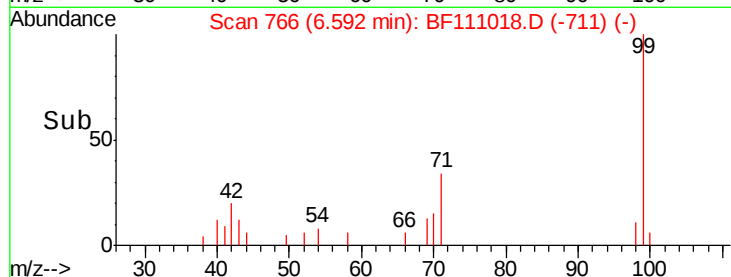
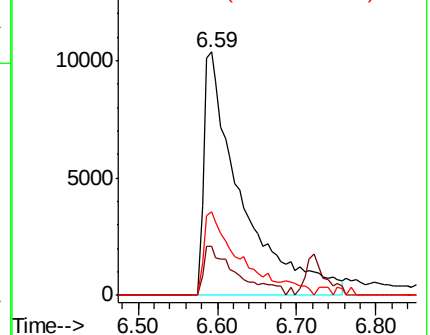
71 34.2 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Tgt Ion: 136 Resp: 181513

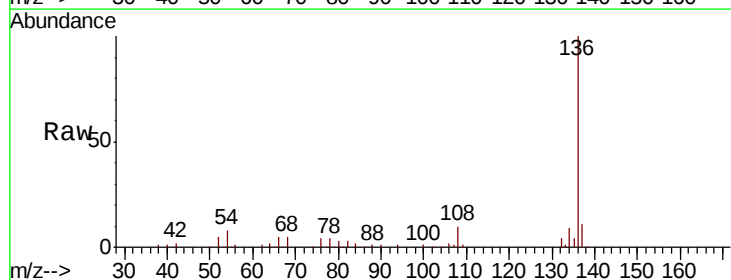
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.8 5.4 8.2

68 4.6 4.2 6.2

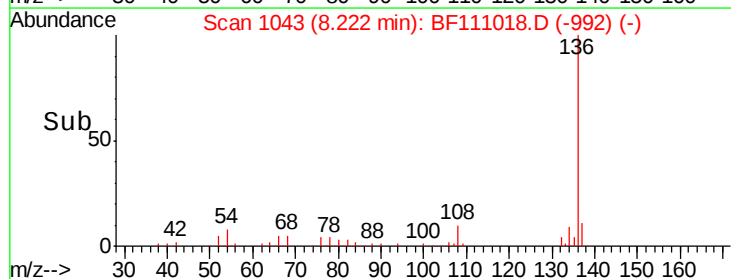
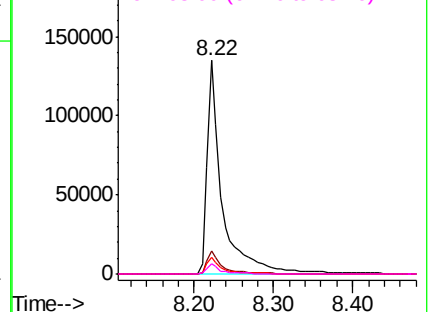


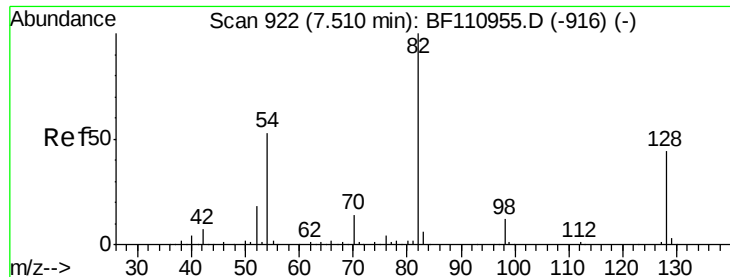
Abundance Ion 136.00 (135.70 to 136.70): E

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

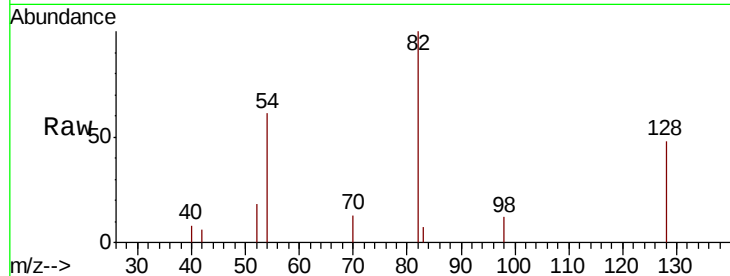




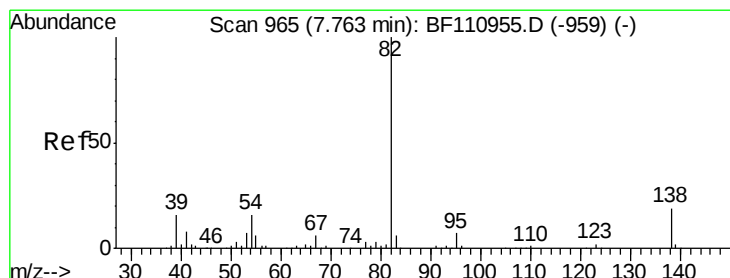
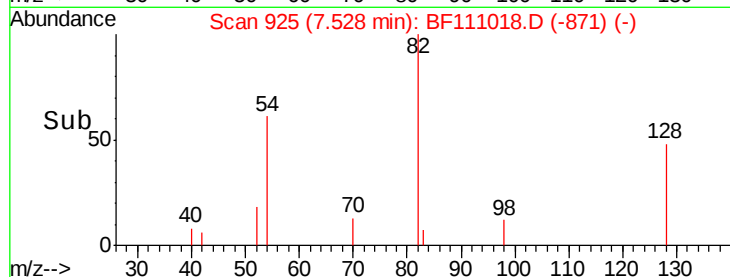
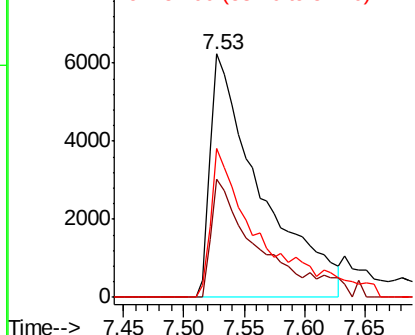
#23
Nitrobenzene-d5
Concen: 5.693 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion: 82 Resp: 18056
Ion Ratio Lower Upper
82 100
128 48.3 34.2 51.2
54 61.1 38.6 58.0#

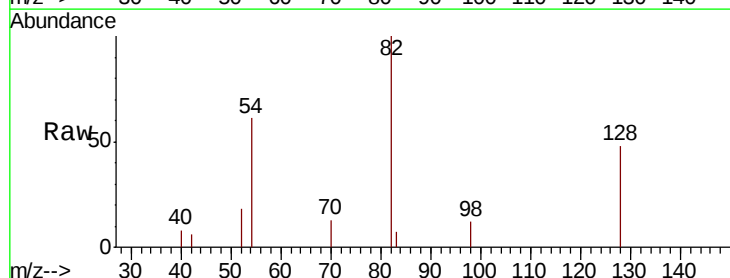


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

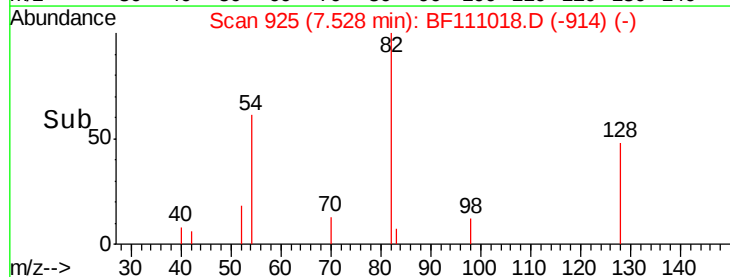
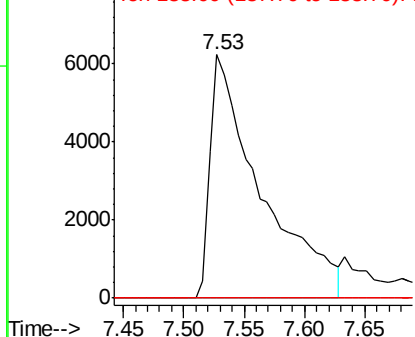


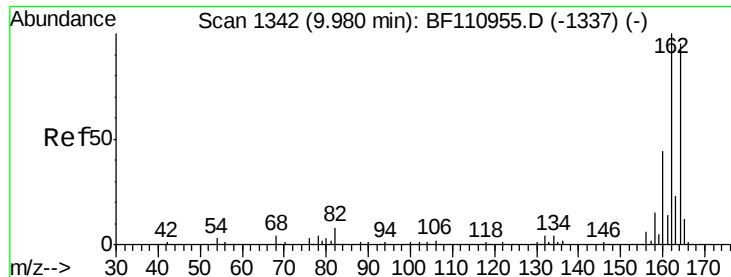
#25
Isophorone
Concen: 3.471 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.24 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion: 82 Resp: 18056
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



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: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampled :

SS-02

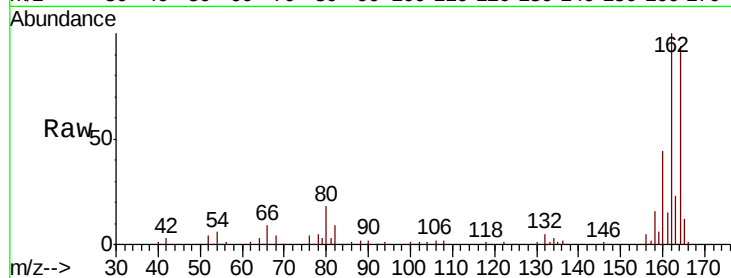
Tgt Ion:164 Resp: 75192

Ion Ratio Lower Upper

164 100

162 105.9 83.0 124.6

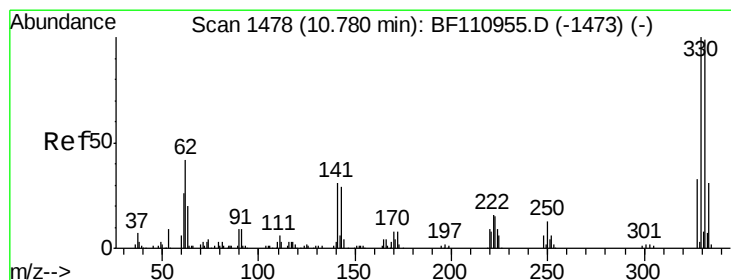
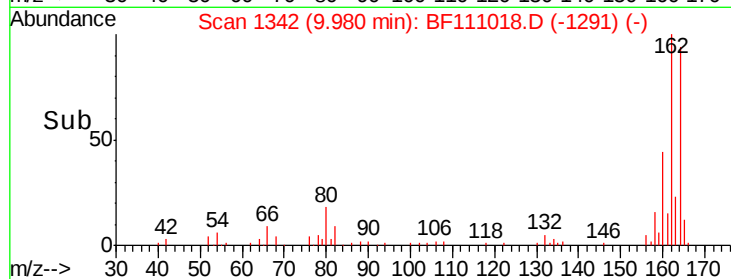
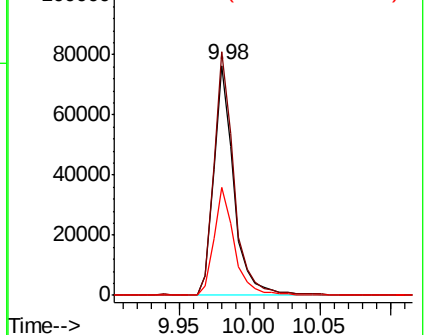
160 46.8 37.0 55.6



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: 8.387 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

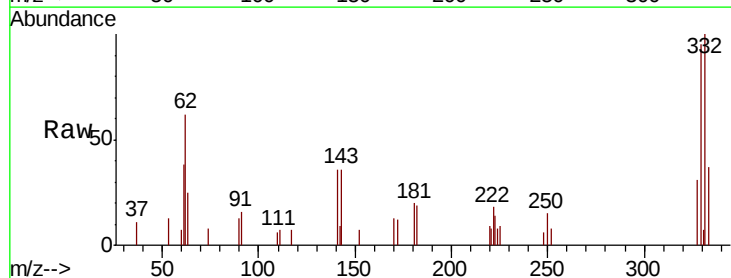
Tgt Ion:330 Resp: 6263

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

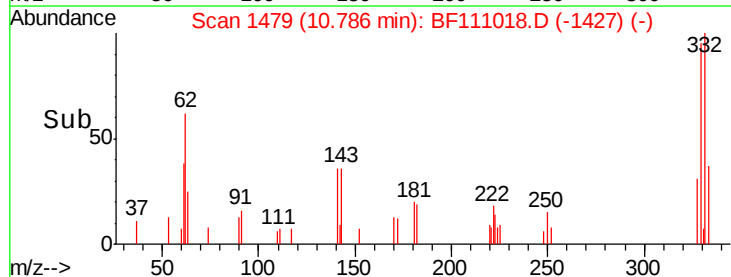
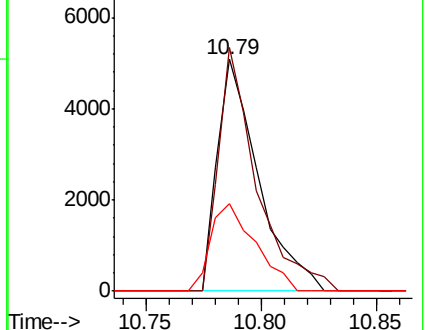
141 41.2 27.0 40.4#

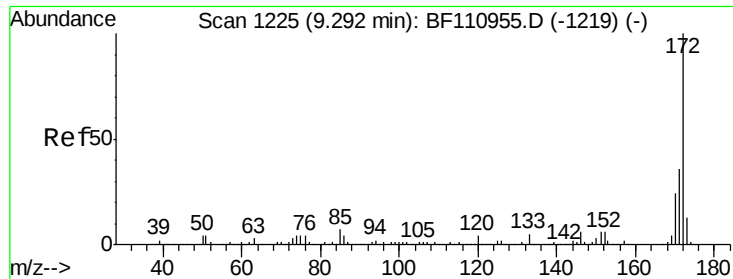


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

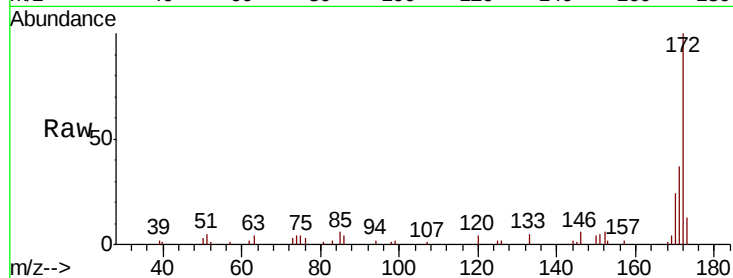




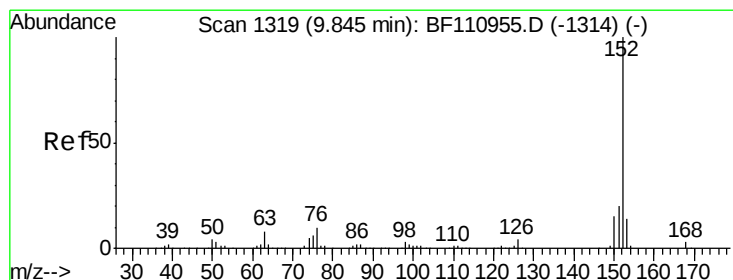
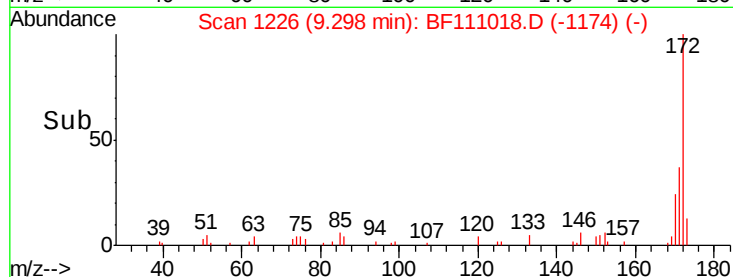
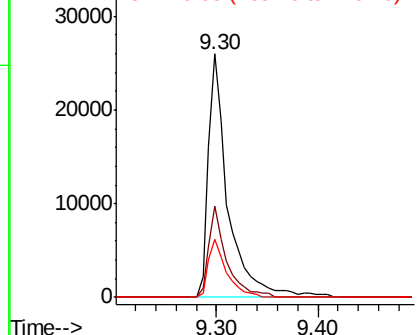
#45
2-Fluorobiphenyl
Concen: 6.734 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:172 Resp: 34948
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 23.7 19.7 29.5

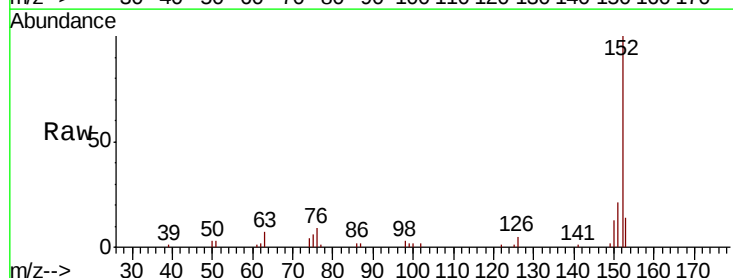


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

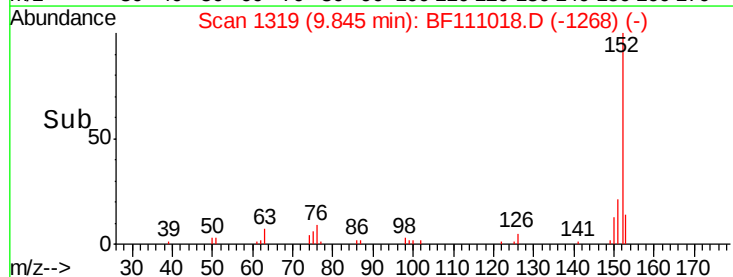
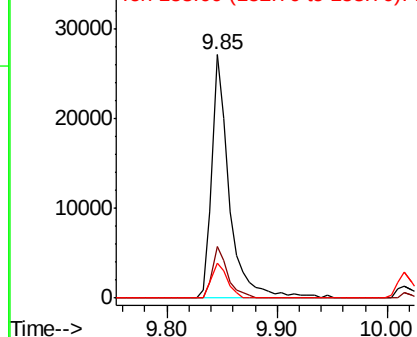


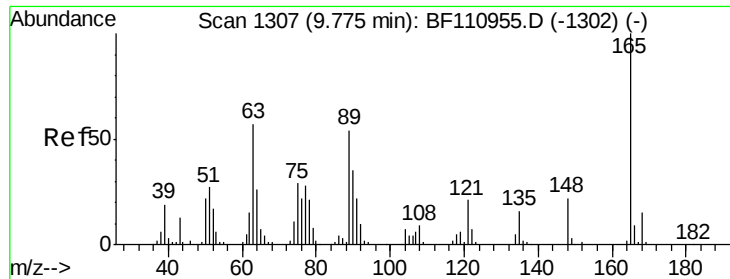
#49
Acenaphthylene
Concen: 4.107 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:152 Resp: 29357
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.8
153 14.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

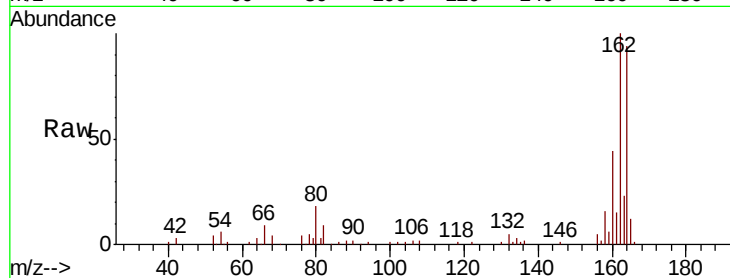




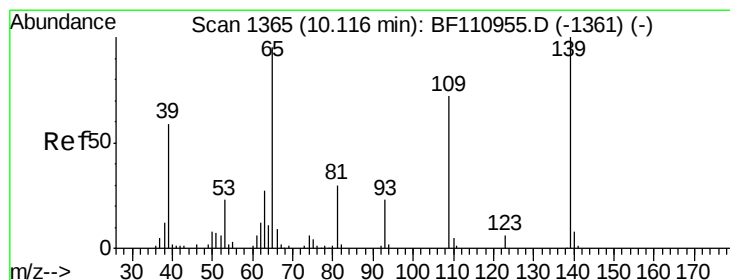
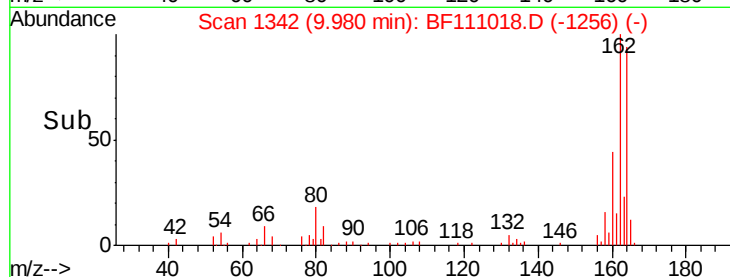
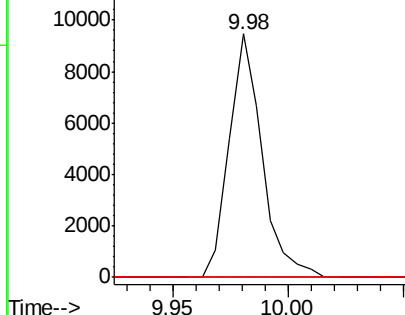
#51
 2,6-Dinitrotoluene
 Concen: 7.640 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion:165 Resp: 9379
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 0.0 46.6 69.8#

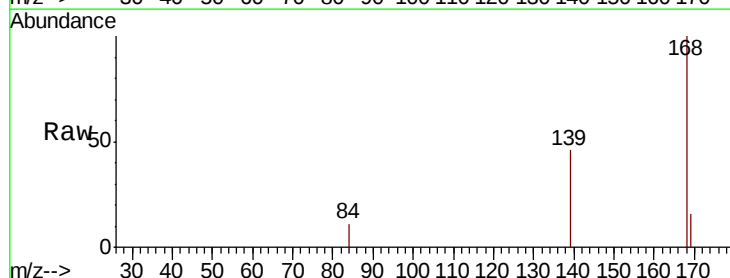


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

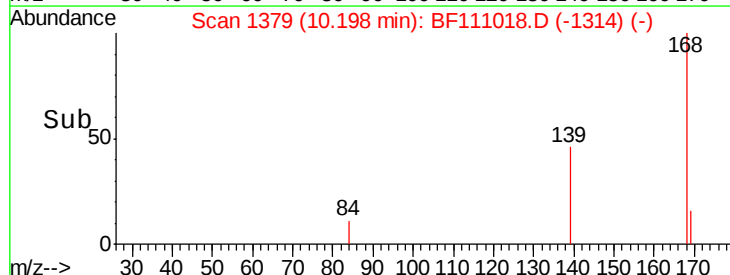
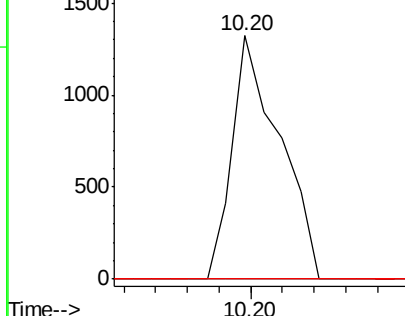


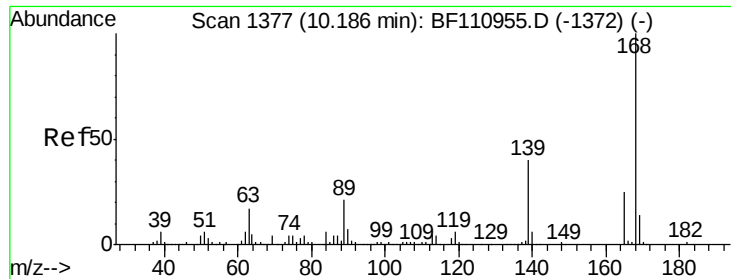
#56
 4-Nitrophenol
 Concen: 5.870 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.08 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion:139 Resp: 1371
 Ion Ratio Lower Upper
 139 100
 109 0.0 55.8 95.8#
 65 0.0 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

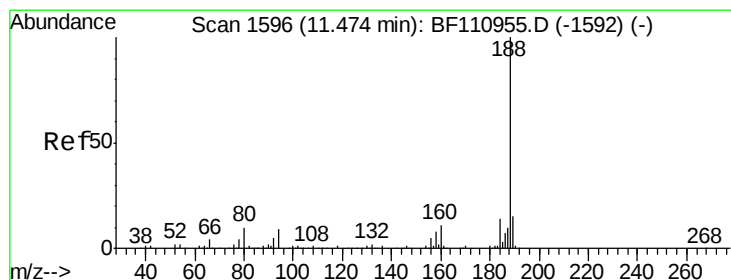
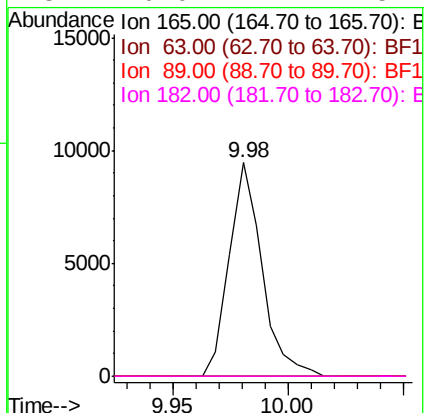
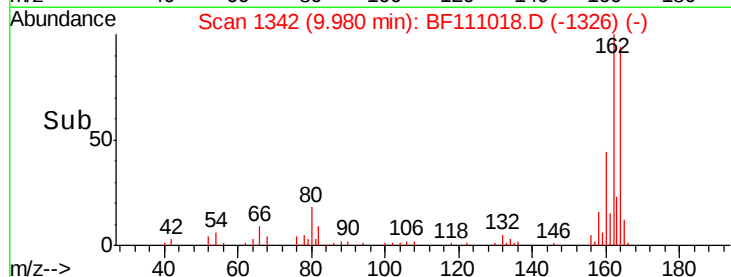
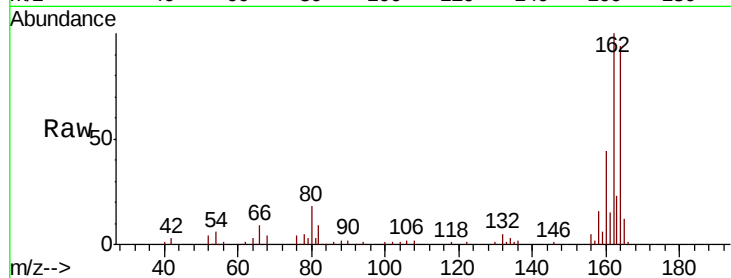




#57
 2,4-Dinitrotoluene
 Concen: 5.888 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

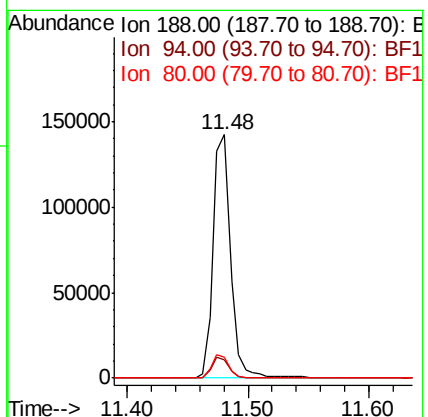
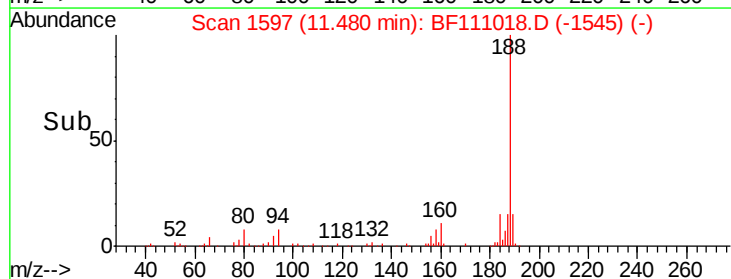
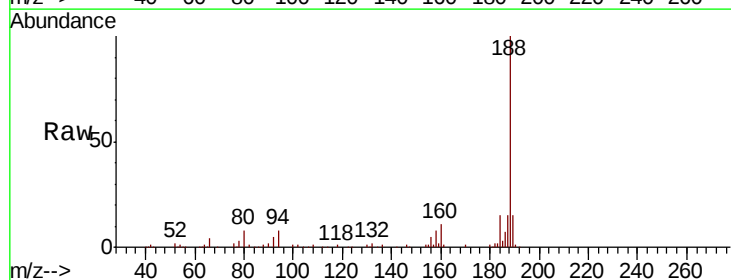
Instrument :
 BNA_F
 ClientSampleId :
 SS-02

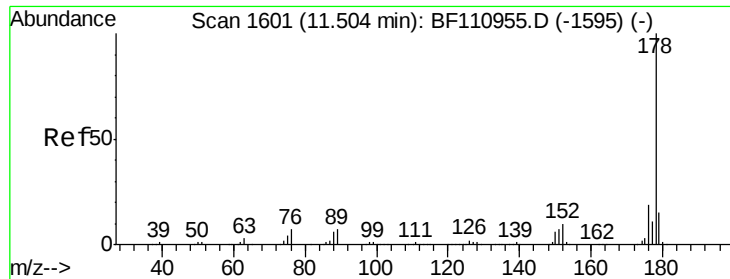
Tgt Ion:165 Resp: 9379
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion:188 Resp: 141250
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.2 10.8
 80 8.4 7.9 11.9





#71

Phenanthrene

Concen: 13.656 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

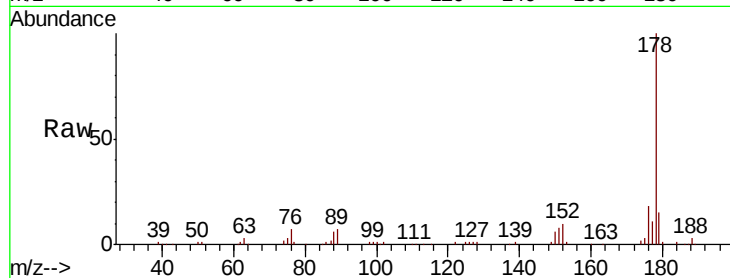
Tgt Ion:178 Resp: 102157

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

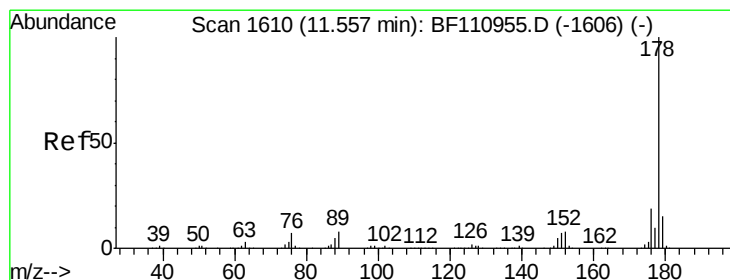
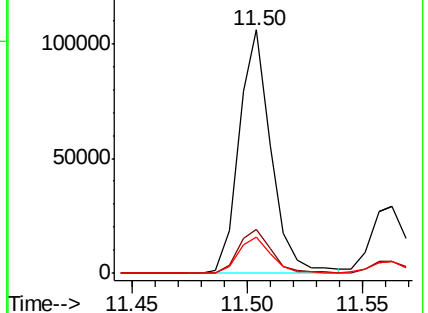
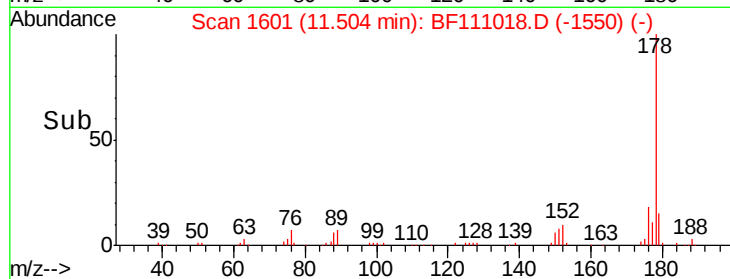
179 14.7 12.5 18.7



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



#72

Anthracene

Concen: 5.035 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

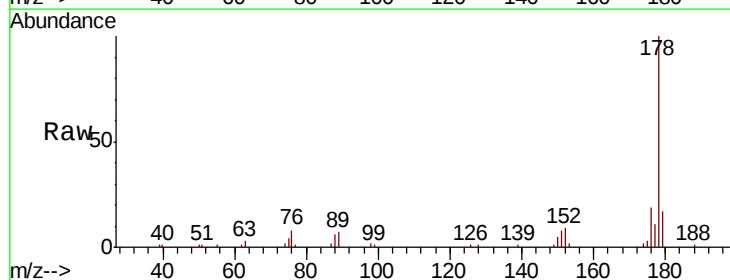
Tgt Ion:178 Resp: 38361

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

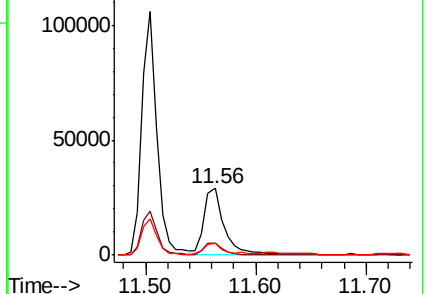
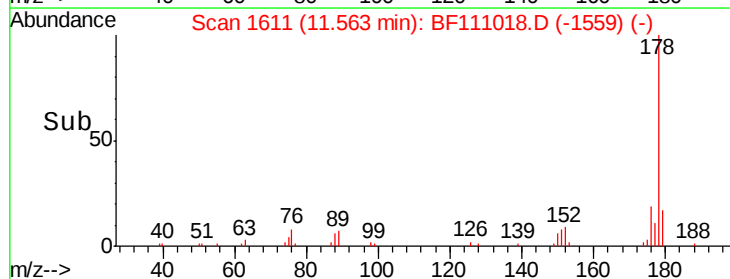
179 17.0 12.6 18.8

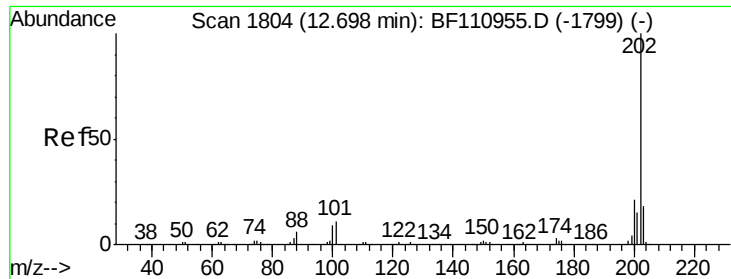


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.800 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

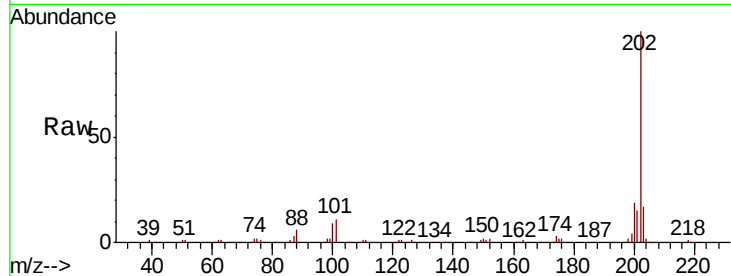
Tgt Ion: 202 Resp: 175304

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

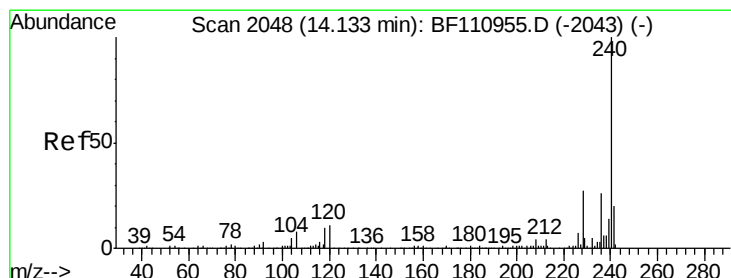
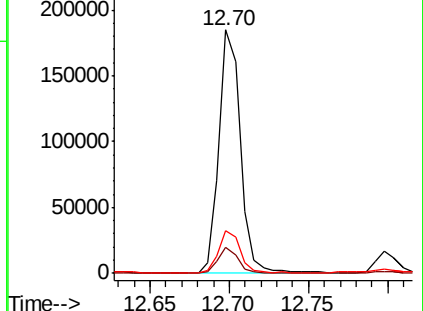
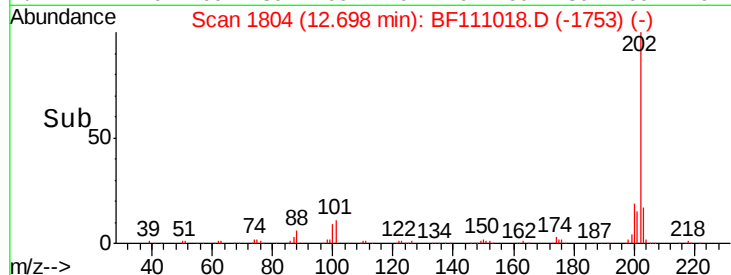
203 17.4 0.0 37.7



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: 14.13 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

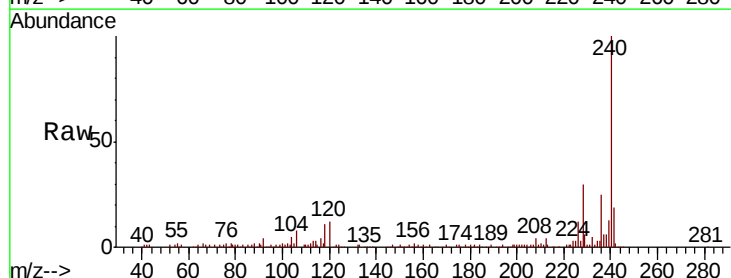
Tgt Ion: 240 Resp: 108212

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

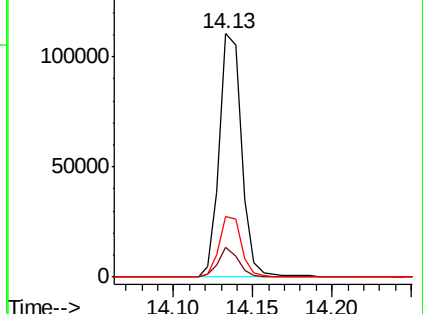
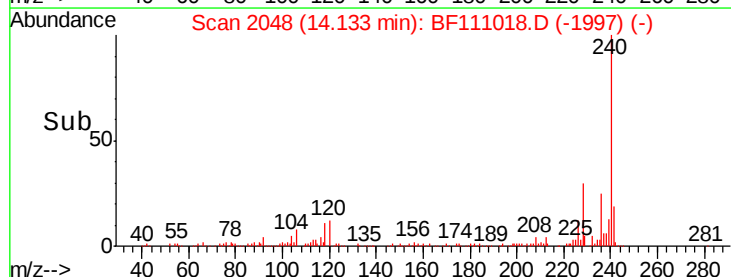
236 25.1 21.2 31.8

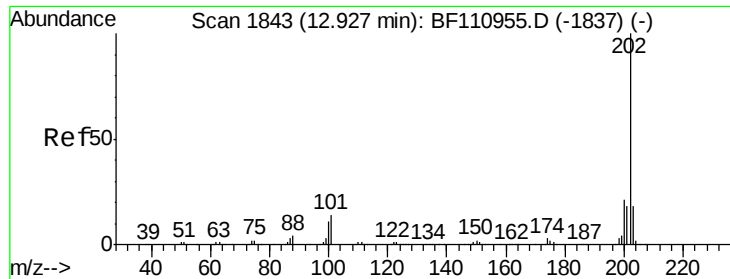


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

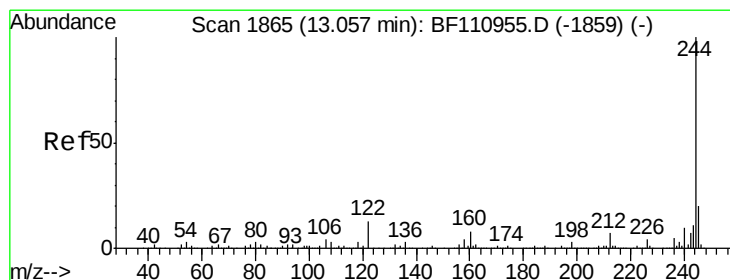
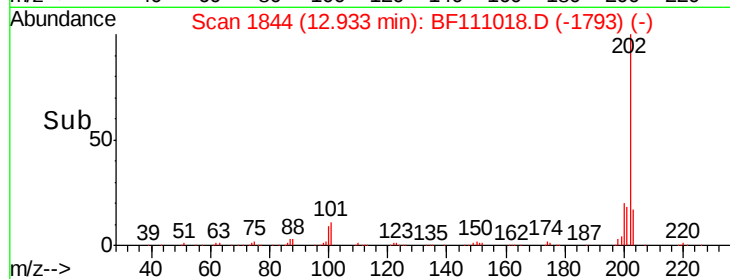
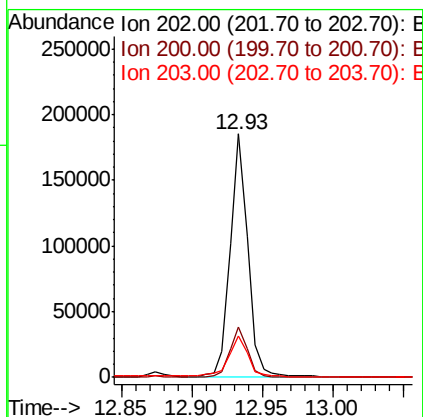
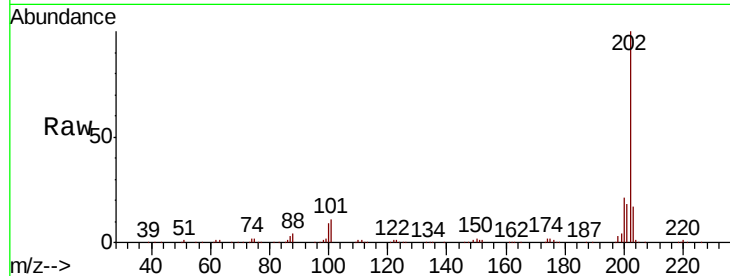




#78
Pyrene
Concen: 20.332 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

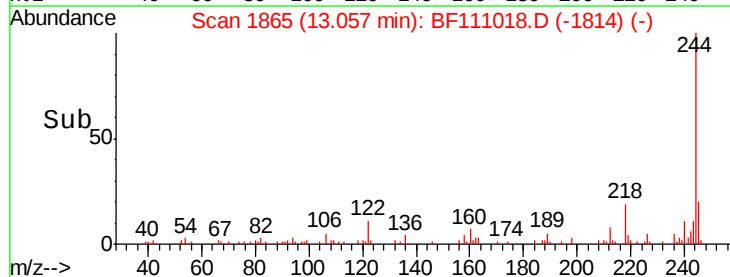
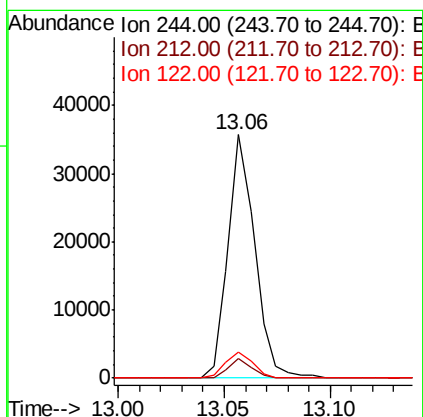
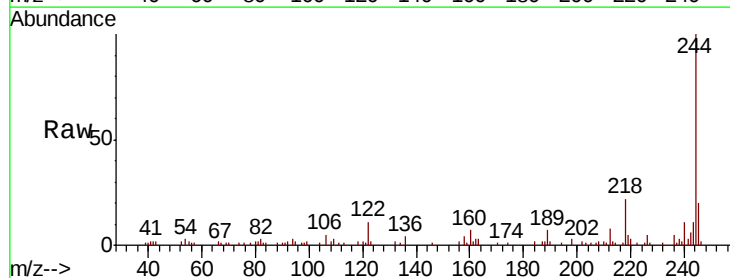
Instrument :
BNA_F
ClientSampled :
SS-02

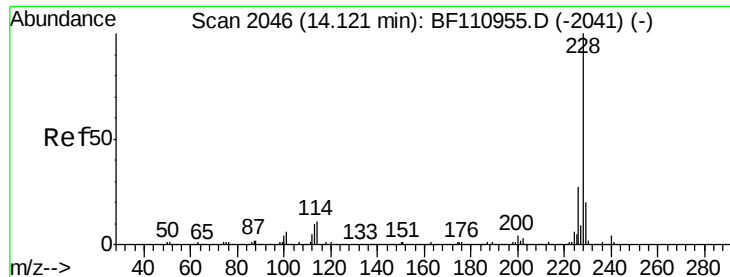
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.2	14.2	21.4



#79
Terphenyl-d14
Concen: 5.642 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	10.6	8.7	13.1





#81

Benzo(a)anthracene

Concen: 12.131 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

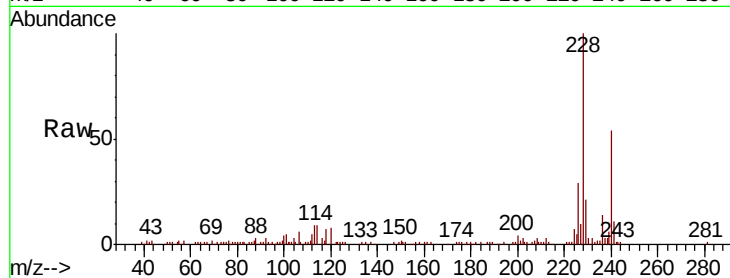
Tgt Ion:228 Resp: 77504

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

229 20.9 15.6 23.4

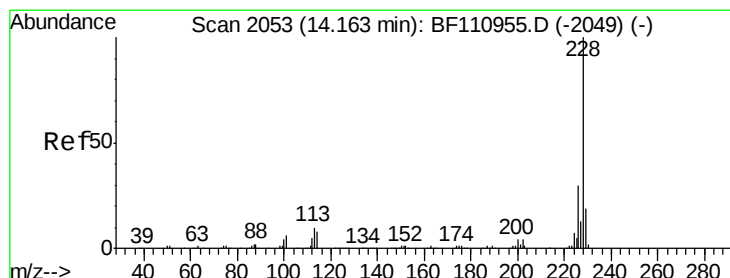
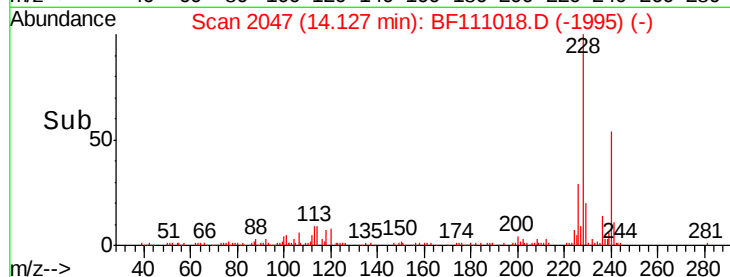
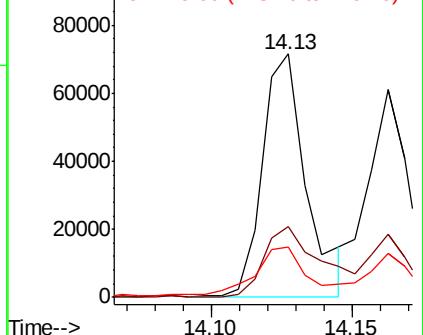


Abundance

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



#83

Chrysene

Concen: 9.602 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

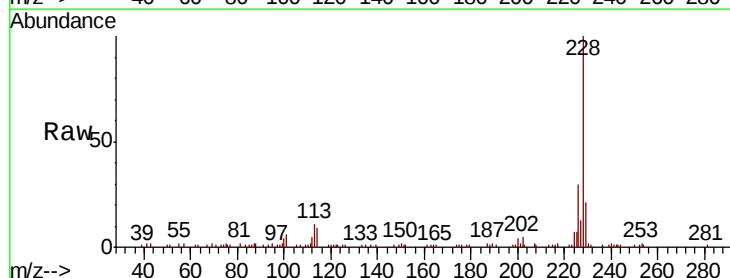
Tgt Ion:228 Resp: 60390

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 21.3 15.9 23.9

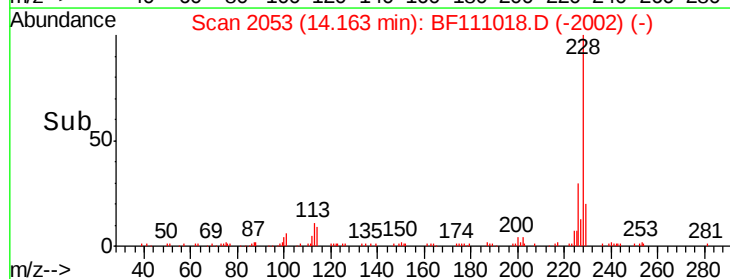
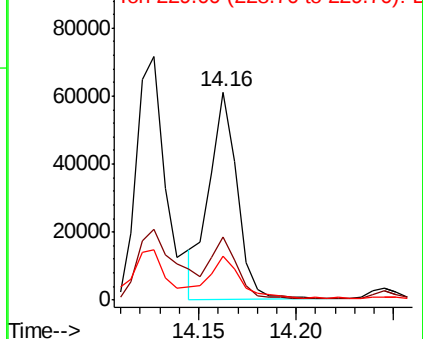


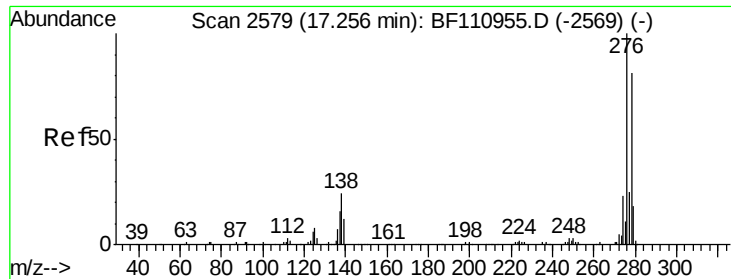
Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 6.091 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.03 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

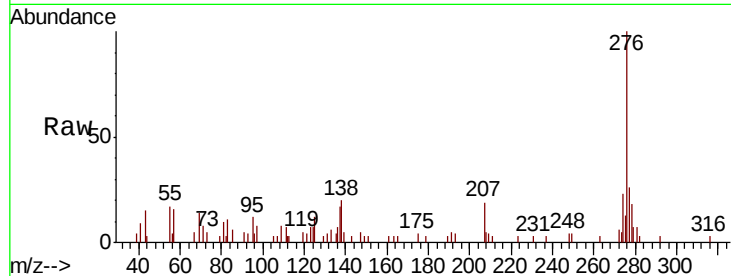
Tgt Ion:276 Resp: 27499

Ion Ratio Lower Upper

276 100

138 22.1 18.5 27.7

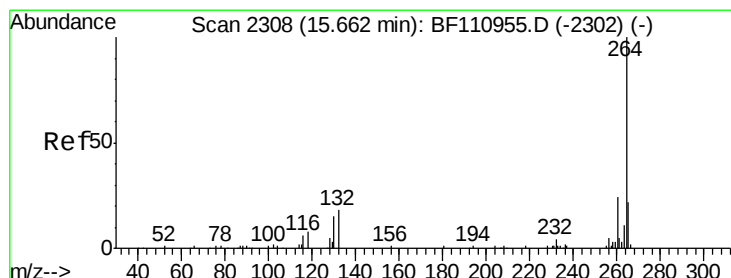
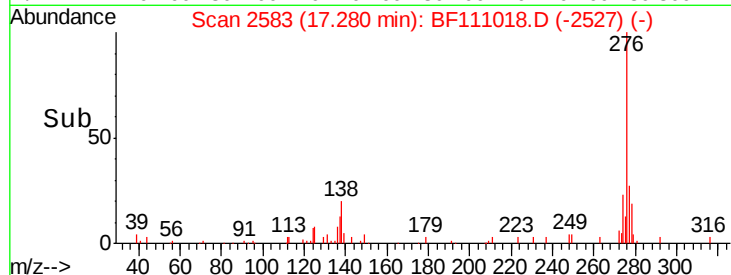
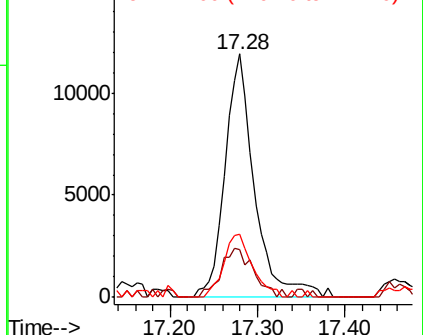
277 25.3 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

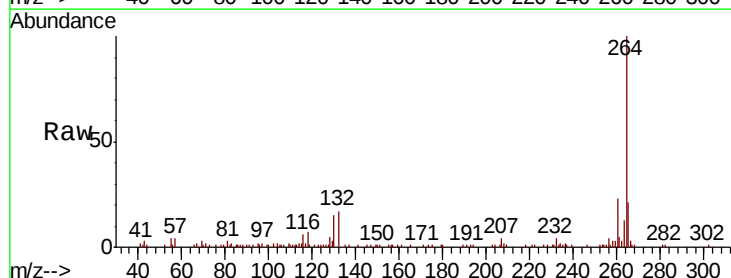
Tgt Ion:264 Resp: 73693

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

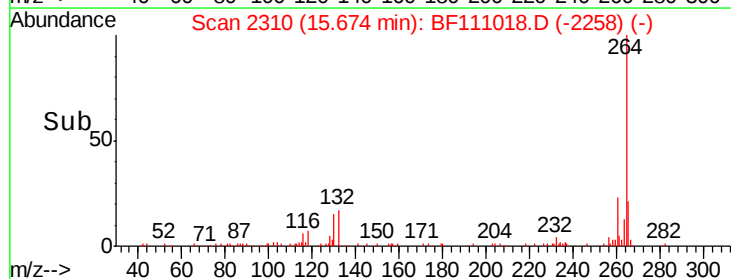
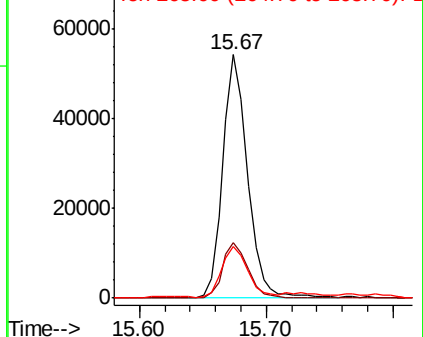
265 21.2 16.7 25.1

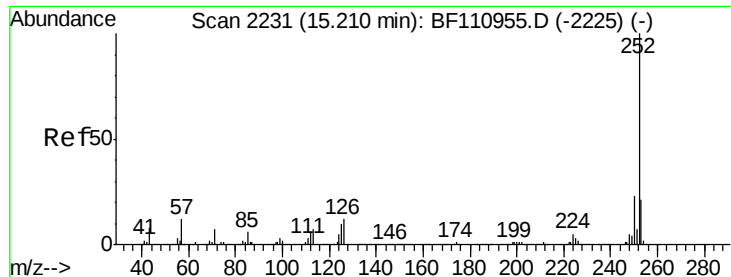


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

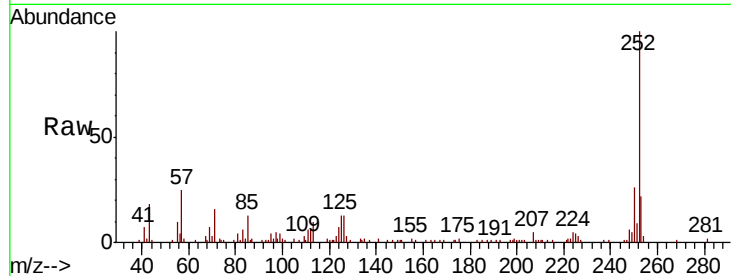




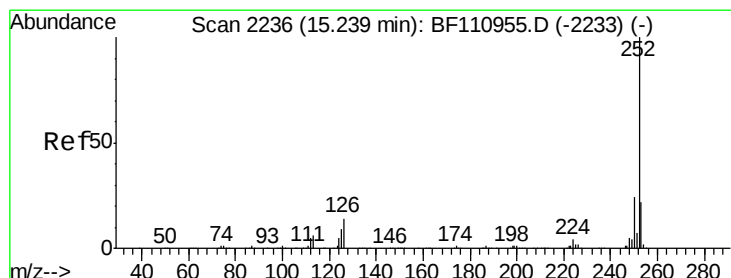
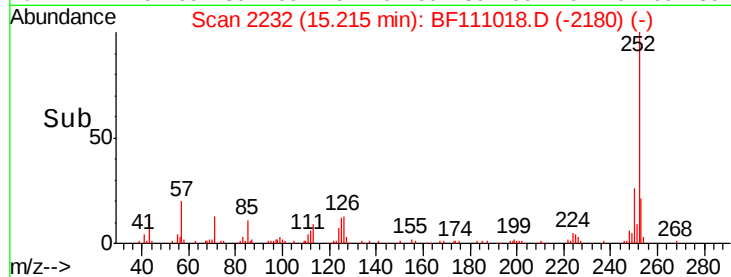
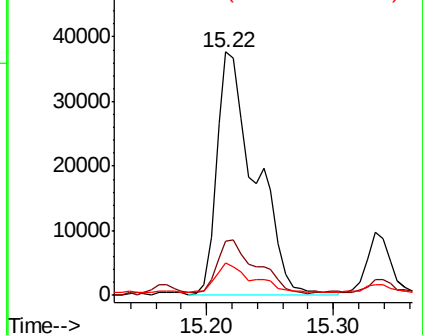
#88
Benzo(b)fluoranthene
Concen: 18.524 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:252 Resp: 80194
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 13.5 8.2 12.4#

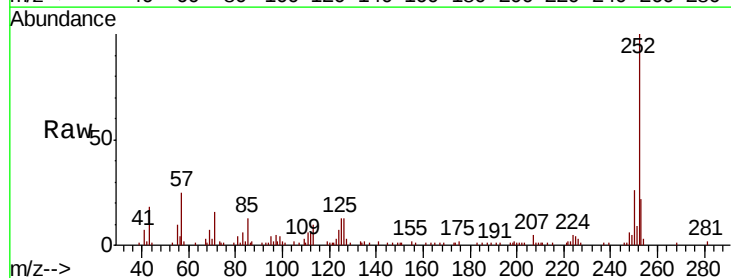


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

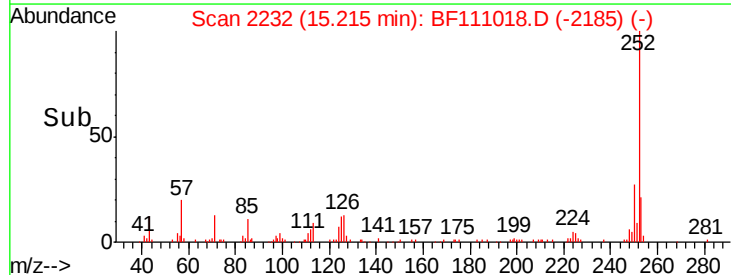
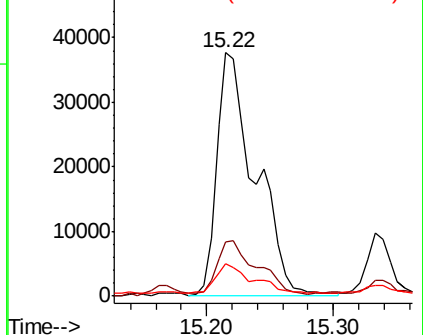


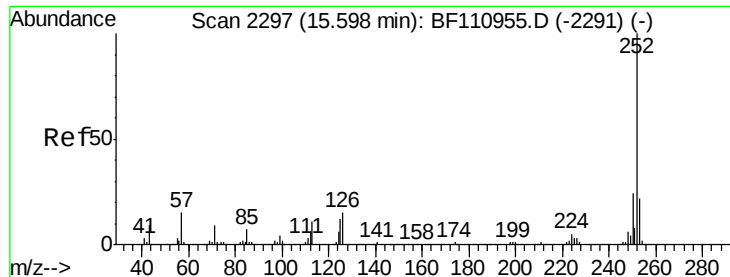
#89
Benzo(k)fluoranthene
Concen: 17.997 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:252 Resp: 80194
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 13.5 7.4 11.0#



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





#90

Benzo(a)pyrene

Concen: 11.279 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

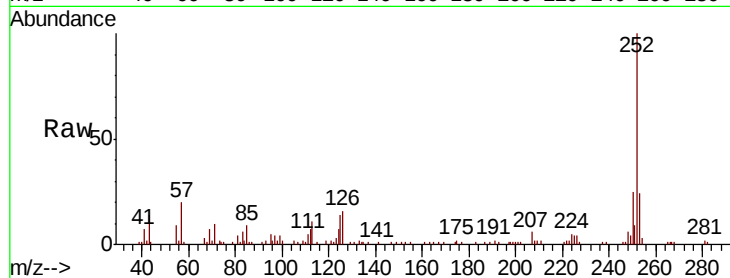
Tgt Ion:252 Resp: 45450

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

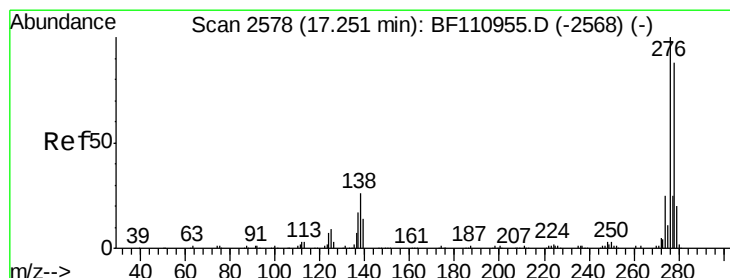
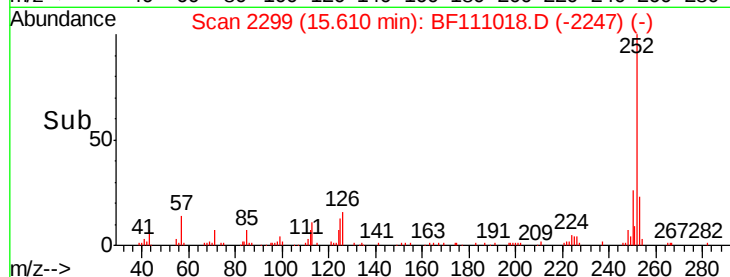
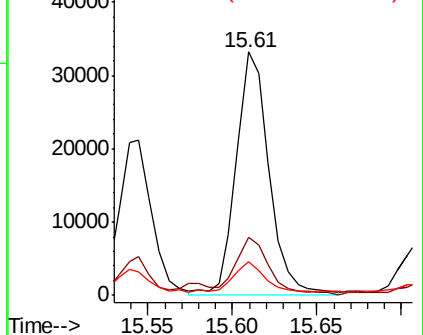
125 13.8 9.0 13.6#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.505 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.02 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

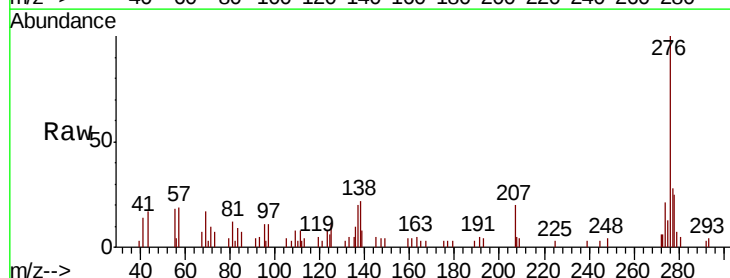
Tgt Ion:278 Resp: 8329

Ion Ratio Lower Upper

278 100

139 30.5 12.7 19.1#

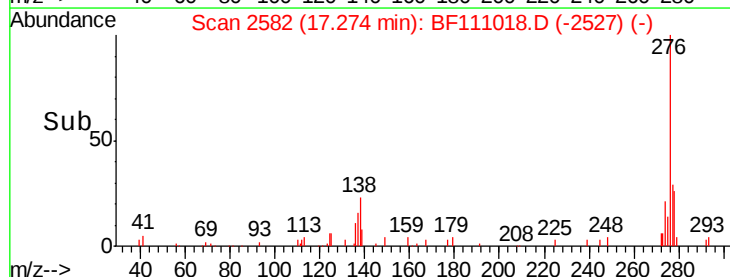
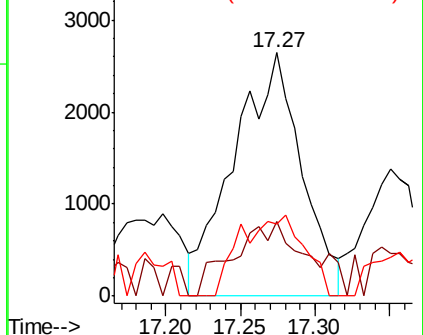
279 29.9 19.0 28.4#

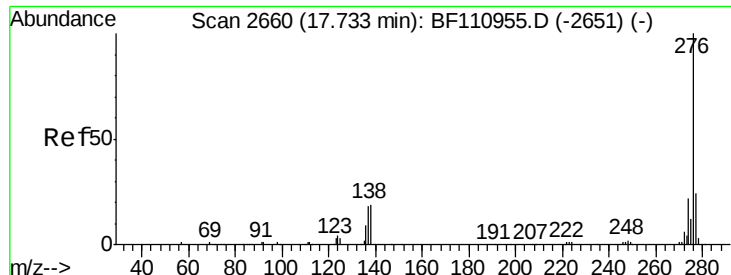


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 7.595 ng

RT: 17.77 min Scan# 2666

Delta R.T. 0.03 min

Lab File: BF111018.D

Acq: 27 Nov 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SS-02

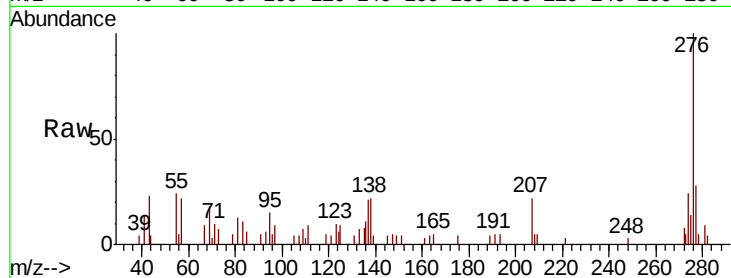
Tgt Ion: 276 Resp: 24348

Ion Ratio Lower Upper

276 100

277 28.4 18.8 28.2#

138 22.0 16.0 24.0



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

