

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110861.D
 Acq On : 19 Nov 2018 18:53
 Operator : JU/SJ
 Sample : J5574-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

Quant Time: Nov 20 00:36:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	56208	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	214390	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	88149	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	141716	20.00	ng	0.00
76) Chrysene-d12	14.14	240	112250	20.00	ng	0.00
87) Perylene-d12	15.67	264	73993	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	348104	100.60	ng	0.00
7) Phenol-d6	6.57	99	432993	97.85	ng	0.00
23) Nitrobenzene-d5	7.50	82	264357	71.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	76935	86.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	439291	71.17	ng	0.00
79) Terphenyl-d14	13.07	244	381422	63.64	ng	0.00

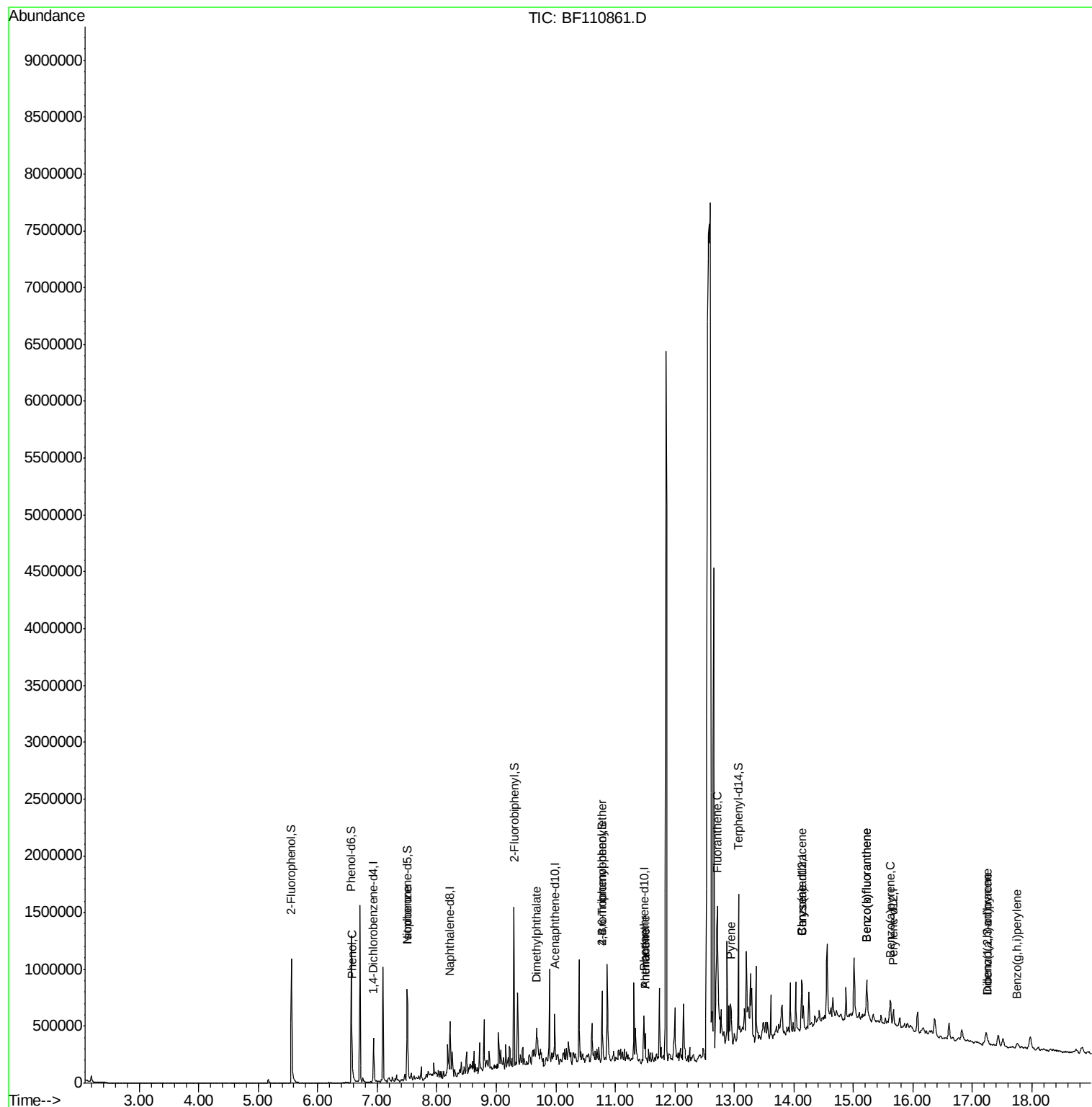
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	844	Below Cal	#	1
10) Phenol	6.58	94	19168	3.736	ng	81
25) Isophorone	7.50	82	263162	43.130	ng	67
50) Dimethylphthalate	9.69	163	37928	5.766	ng	97
67) 4-Bromophenyl-phenylether	10.78	248	5022	3.206	ng	1
71) Phenanthrene	11.50	178	83277	10.968	ng	99
72) Anthracene	11.50	178	83277	10.873	ng	99
75) Fluoranthene	12.70	202	157402	20.678	ng	99
78) Pyrene	12.94	202	168442	19.489	ng	97
81) Benzo(a)anthracene	14.13	228	76312	11.374	ng	96
83) Chrysene	14.13	228	76312	11.939	ng	93
86) Indeno(1,2,3-cd)pyrene	17.26	276	23181	5.054	ng	98
88) Benzo(b)fluoranthene	15.22	252	81962	18.516	ng	# 84
89) Benzo(k)fluoranthene	15.22	252	81962	18.739	ng	# 83
90) Benzo(a)pyrene	15.61	252	43494	10.815	ng	# 87
91) Dibenzo(a,h)anthracene	17.26	278	8059	2.368	ng	# 41
92) Benzo(g,h,i)perylene	17.74	276	26359	7.806	ng	# 91

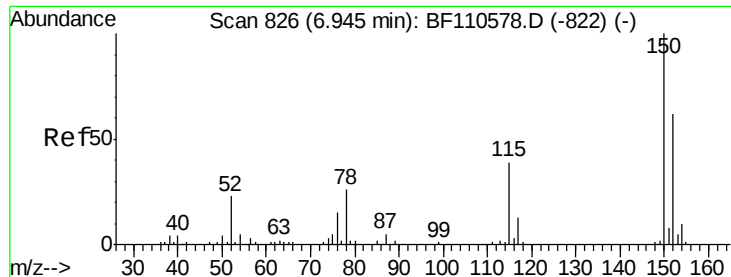
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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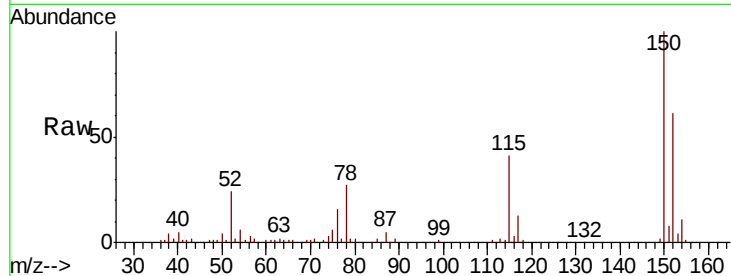


#1

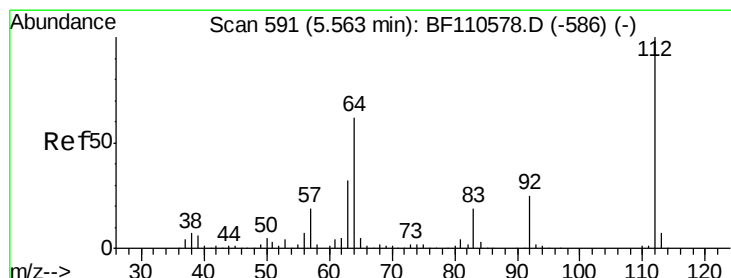
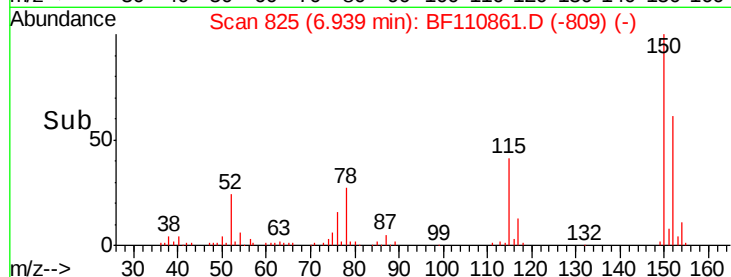
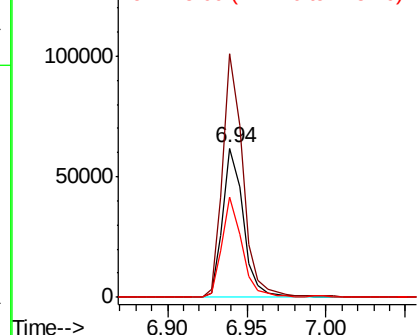
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tgt Ion:152 Resp: 56208
Ion Ratio Lower Upper
152 100
150 163.5 122.7 184.1
115 67.3 49.1 73.7



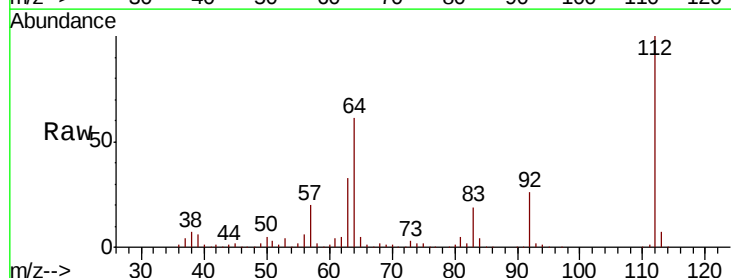
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



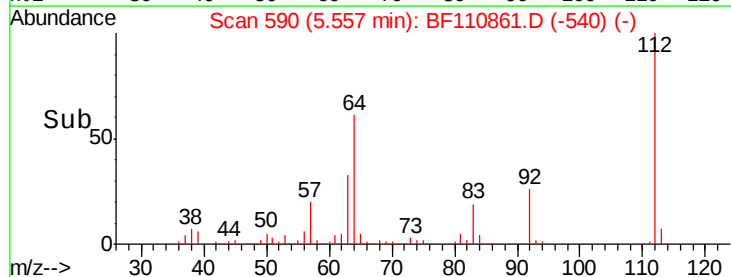
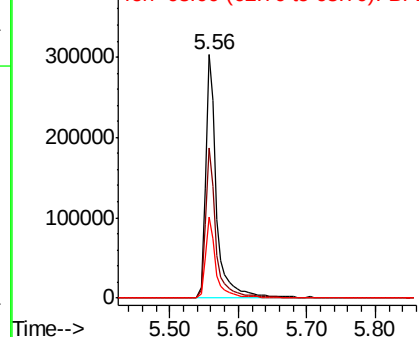
#5

2-Fluorophenol
Concen: 100.596 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:112 Resp: 348104
Ion Ratio Lower Upper
112 100
64 61.4 44.1 66.1
63 33.3 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: 97.851 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

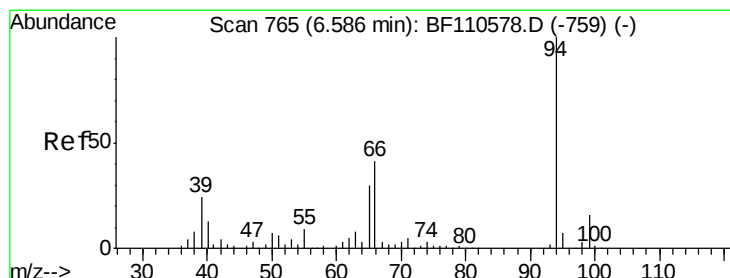
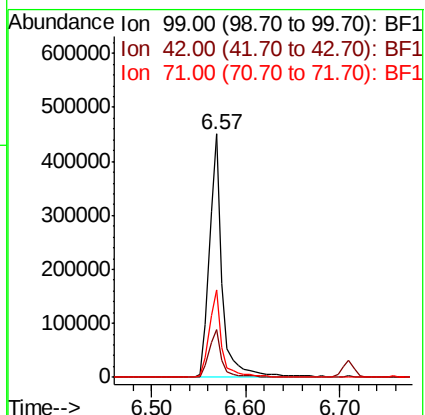
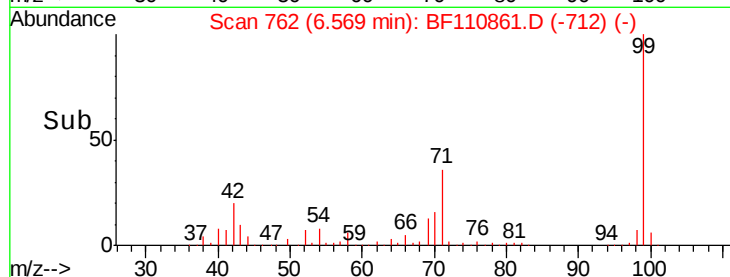
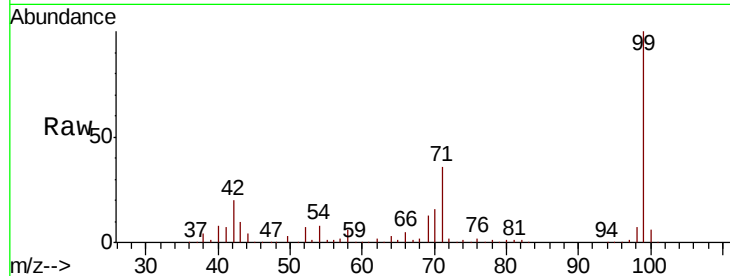
Tgt Ion: 99 Resp: 432993

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

71 35.9 28.0 42.0



#10

Phenol

Concen: 3.736 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

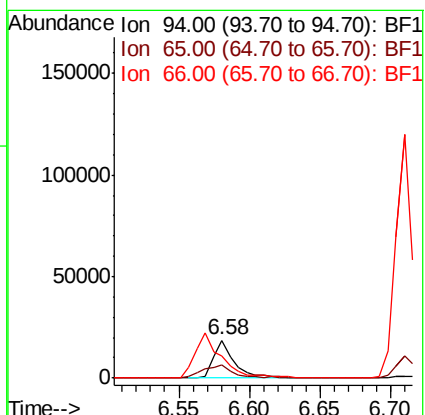
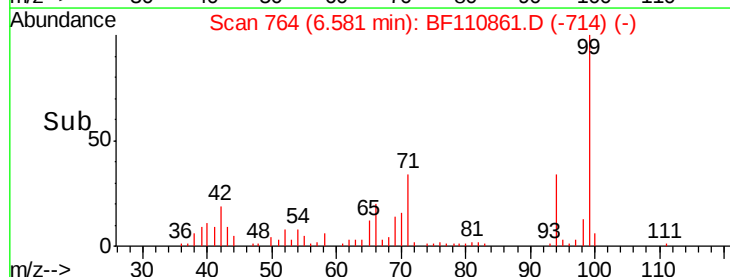
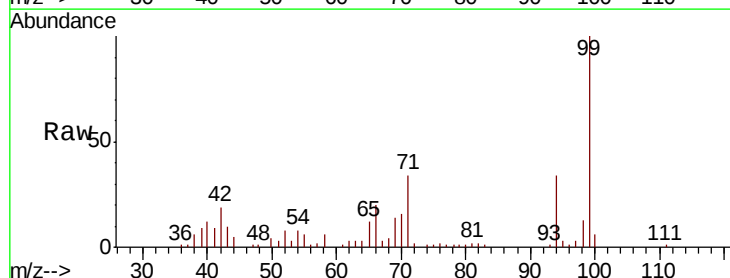
Tgt Ion: 94 Resp: 19168

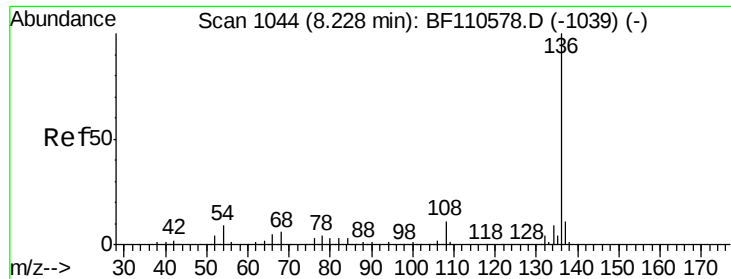
Ion Ratio Lower Upper

94 100

65 33.7 25.3 65.3

66 58.0 54.5 94.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

Tgt Ion:136 Resp: 214390

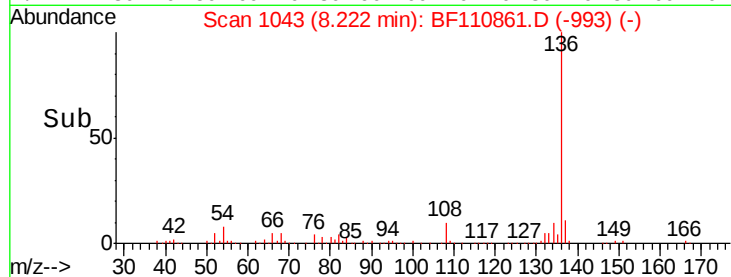
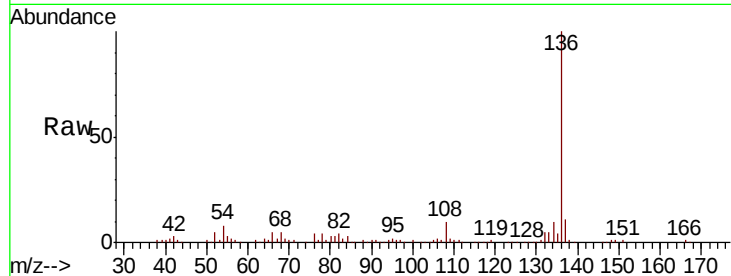
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.4 5.4 8.2#

68 5.3 4.2 6.2

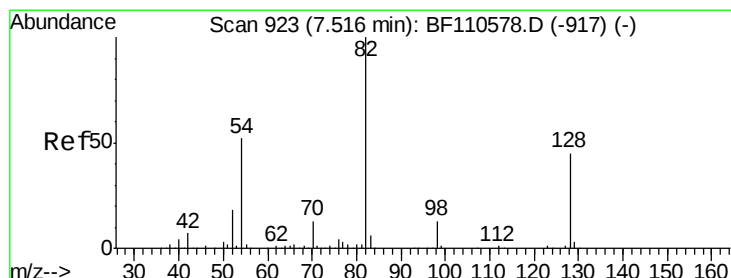
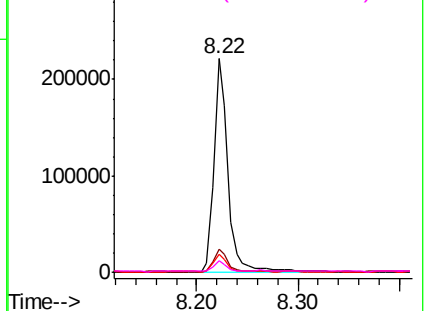


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.012 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

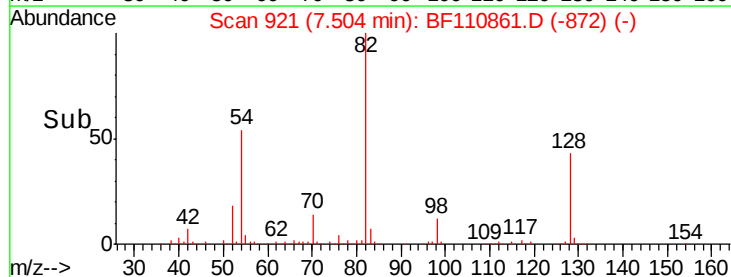
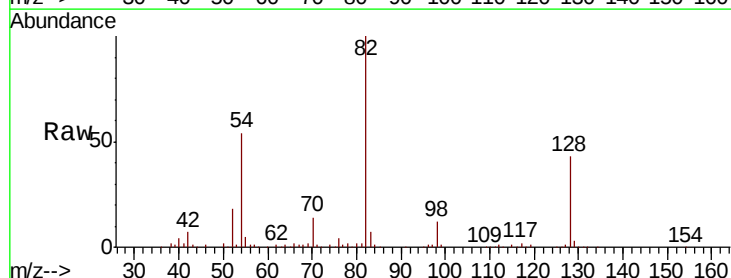
Tgt Ion: 82 Resp: 264357

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.2

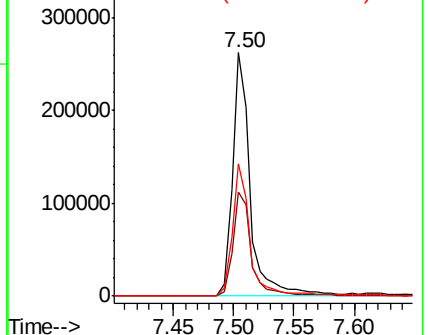
54 54.5 38.6 58.0

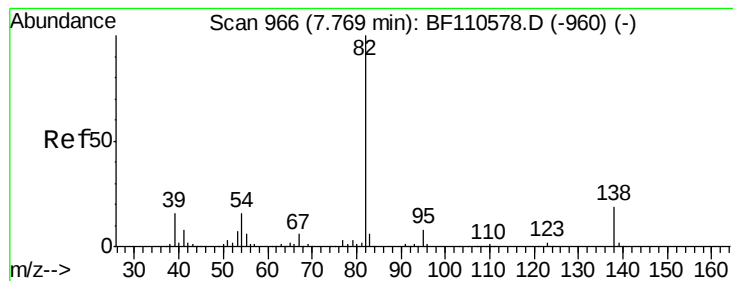


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.130 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

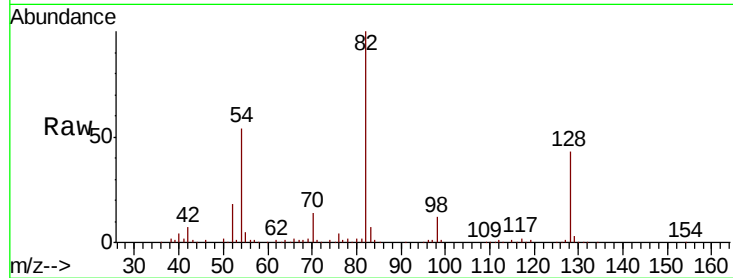
Tgt Ion: 82 Resp: 263162

Ion Ratio Lower Upper

82 100

95 0.4 5.7 8.5#

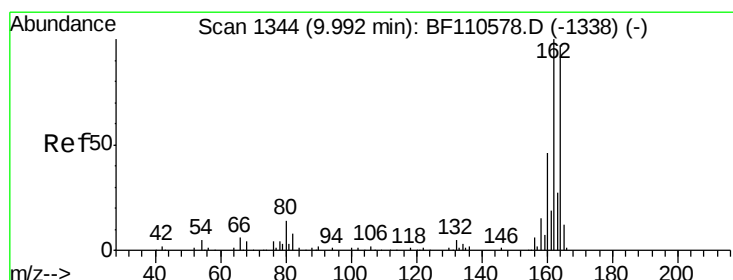
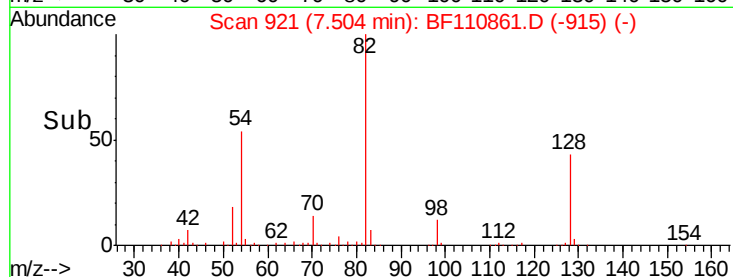
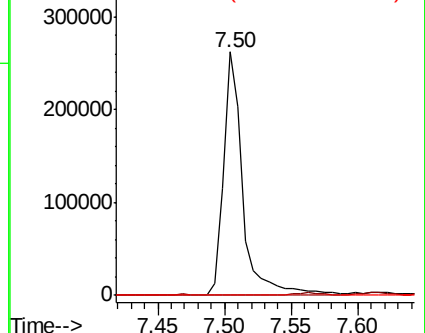
138 0.0 13.2 19.8#



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. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

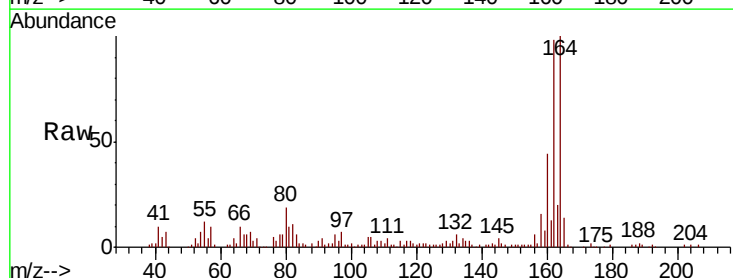
Tgt Ion: 164 Resp: 88149

Ion Ratio Lower Upper

164 100

162 98.1 83.0 124.6

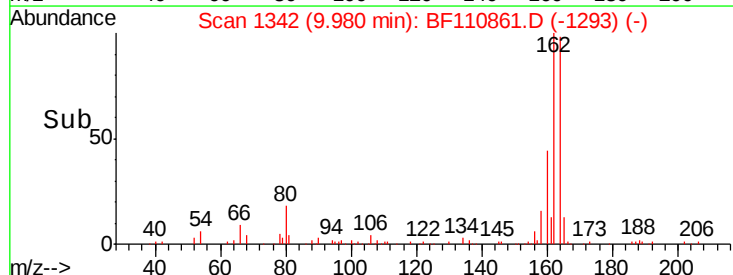
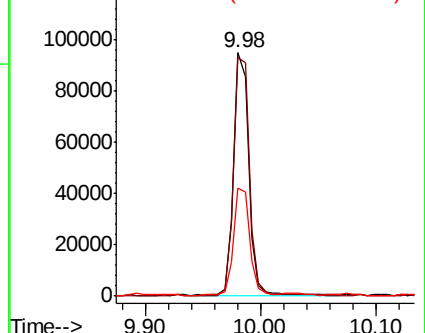
160 44.3 37.0 55.6

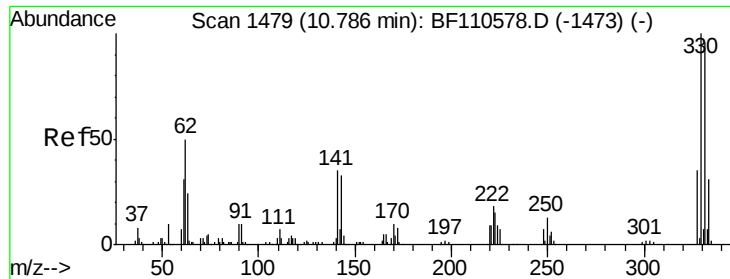


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

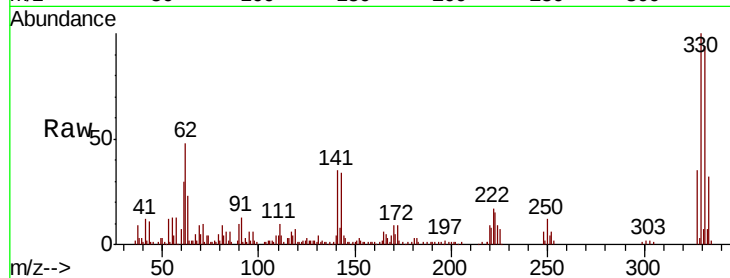




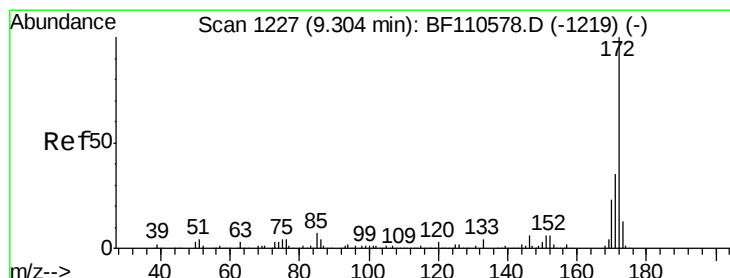
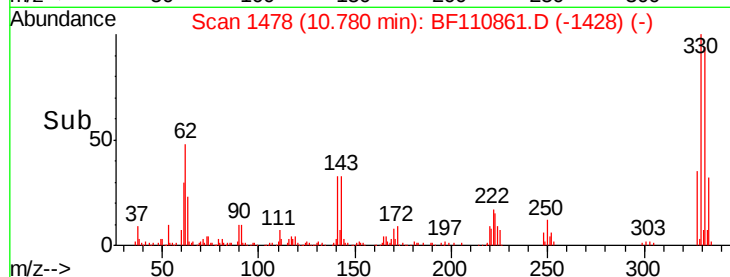
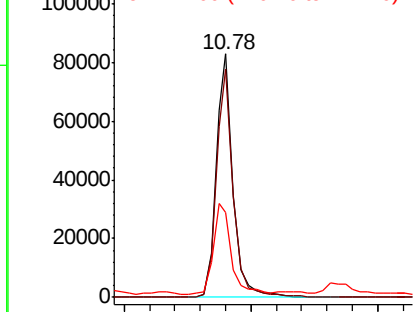
#42
 2,4,6-Tribromophenol
 Concen: 86.618 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

Tgt Ion: 330 Resp: 76935
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.1 115.7
 141 39.8 27.0 40.4

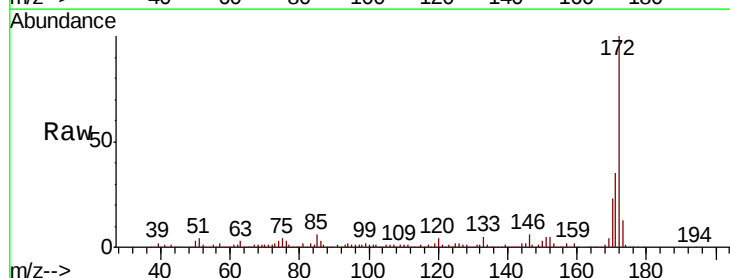


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

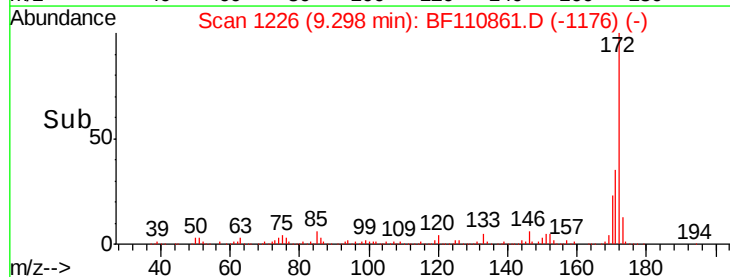
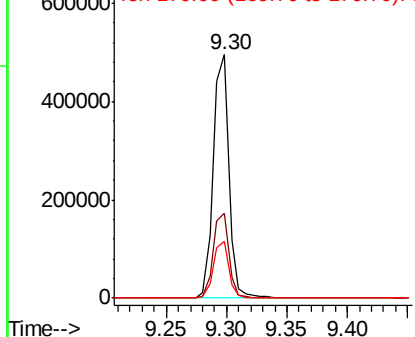


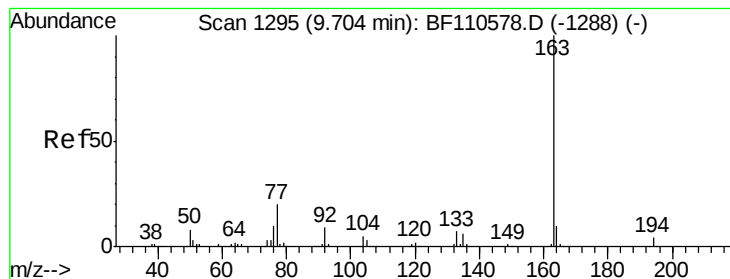
#45
 2-Fluorobiphenyl
 Concen: 71.173 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Tgt Ion: 172 Resp: 439291
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 23.5 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





#50

Dimethylphthalate

Concen: 5.766 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

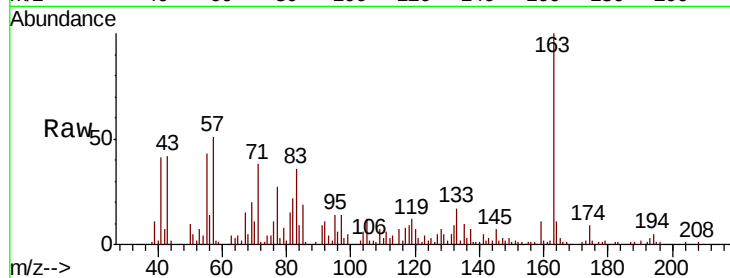
Tgt Ion:163 Resp: 37928

Ion Ratio Lower Upper

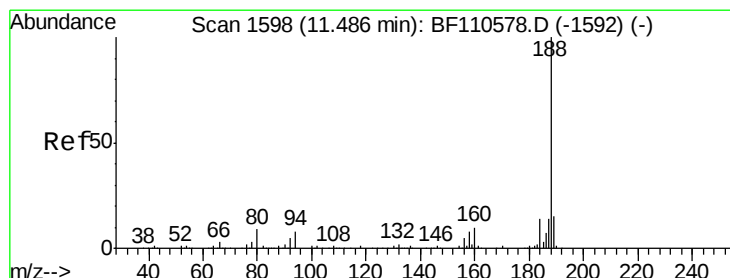
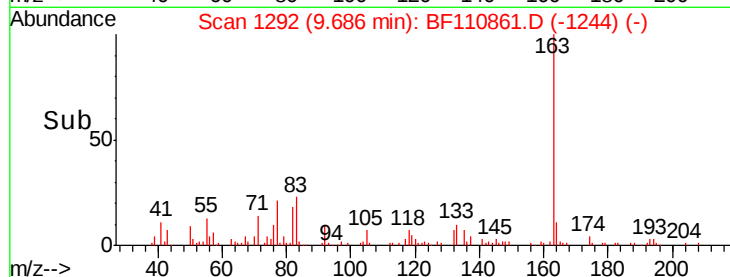
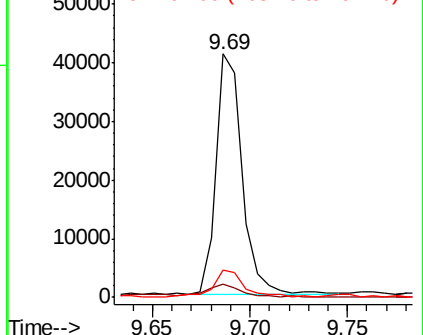
163 100

194 5.2 3.2 4.8#

164 11.2 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

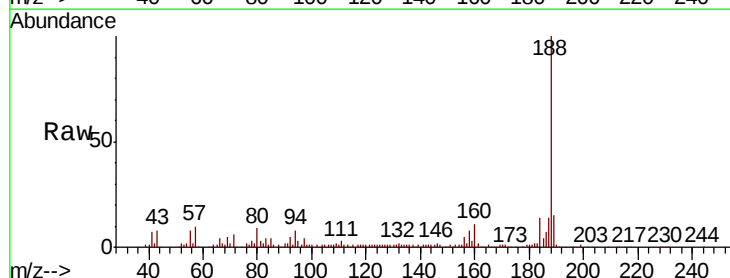
Tgt Ion:188 Resp: 141716

Ion Ratio Lower Upper

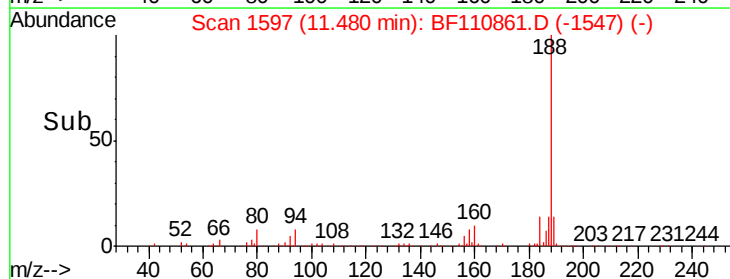
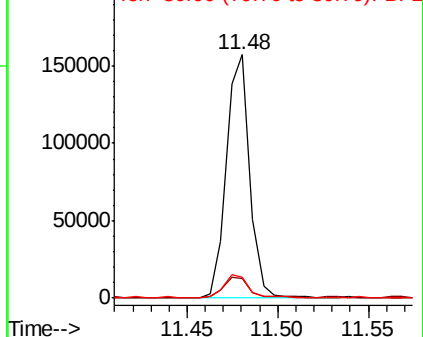
188 100

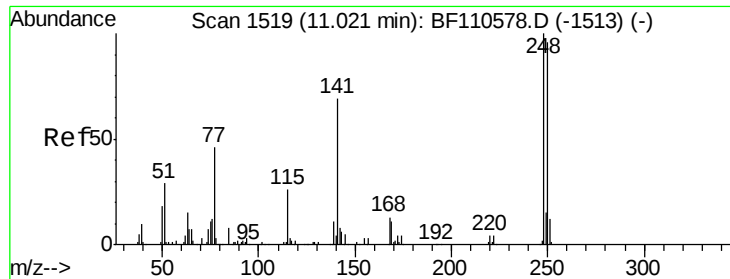
94 7.8 7.2 10.8

80 8.8 7.9 11.9



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

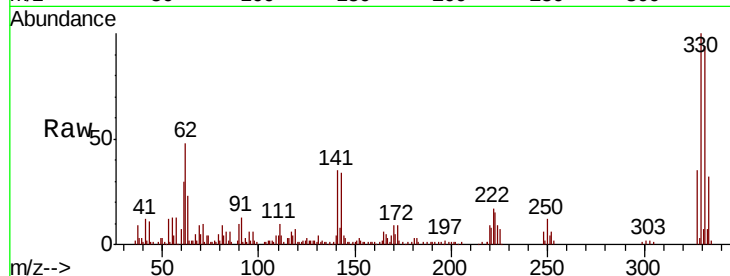




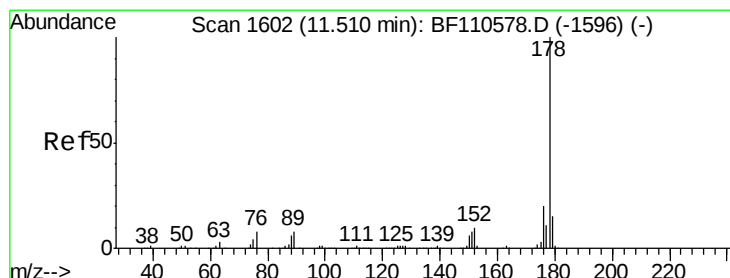
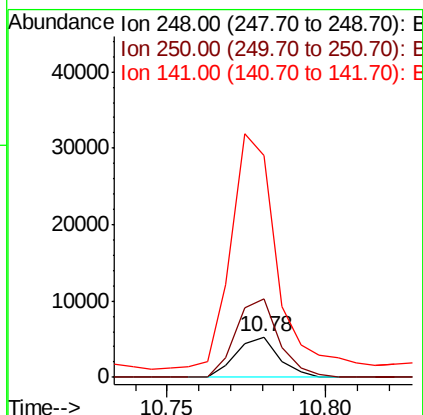
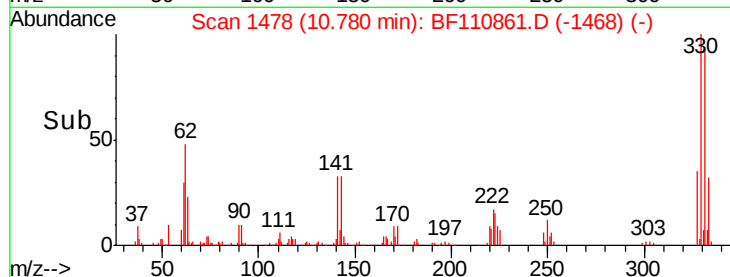
#67
4-Bromophenyl-phenylether
Concen: 3.206 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tgt Ion:248 Resp: 5022
Ion Ratio Lower Upper
248 100
250 193.2 79.4 119.2#
141 546.0 55.9 83.9#

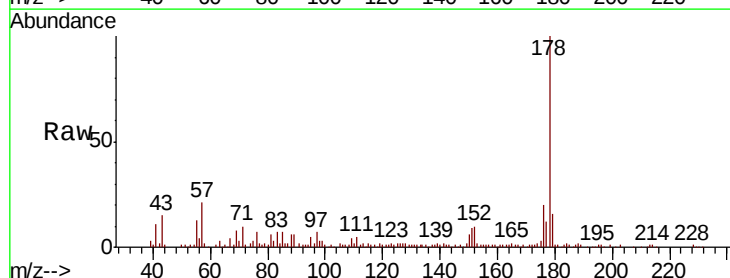


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

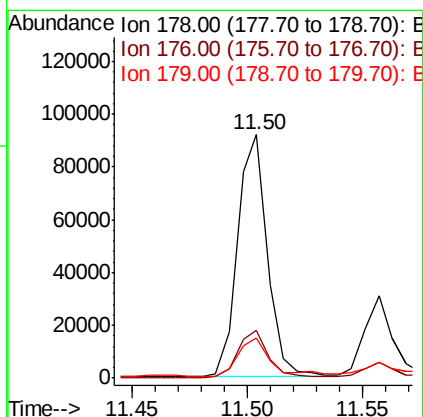
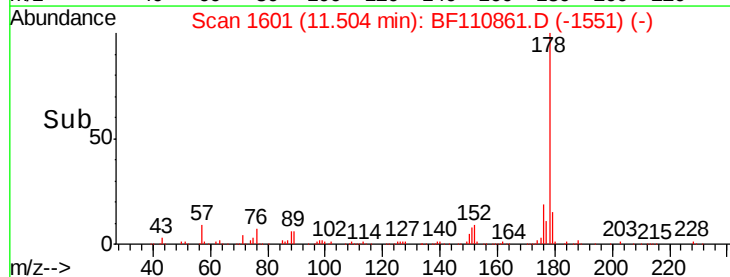


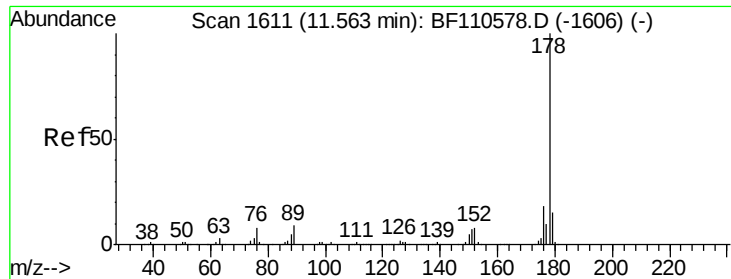
#71
Phenanthrene
Concen: 10.968 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:178 Resp: 83277
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.5 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

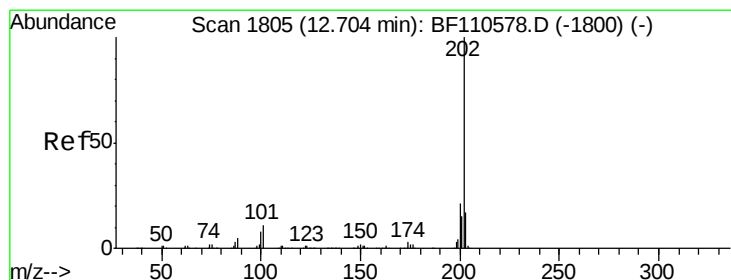
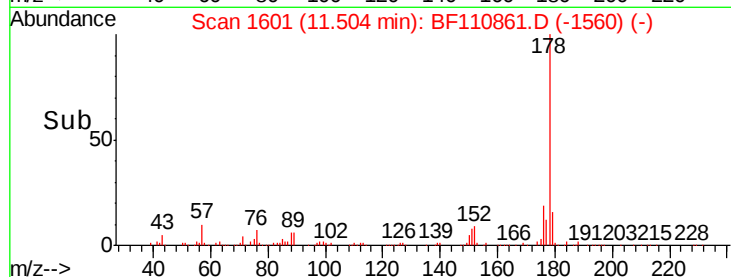
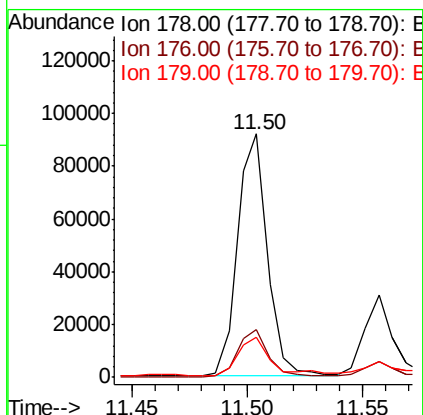
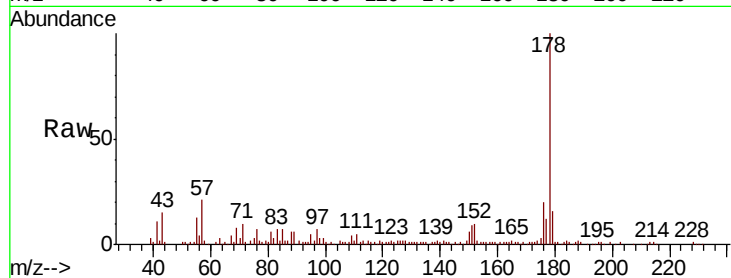




#72
 Anthracene
 Concen: 10.873 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.06 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

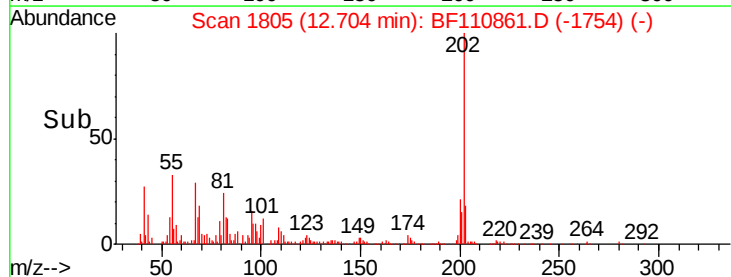
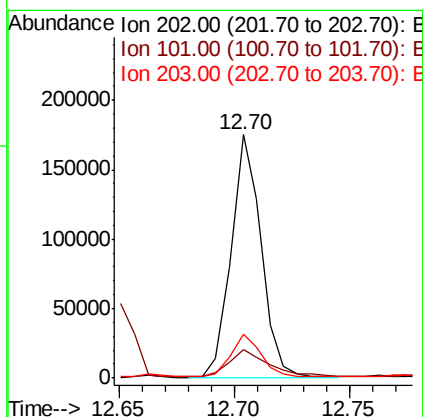
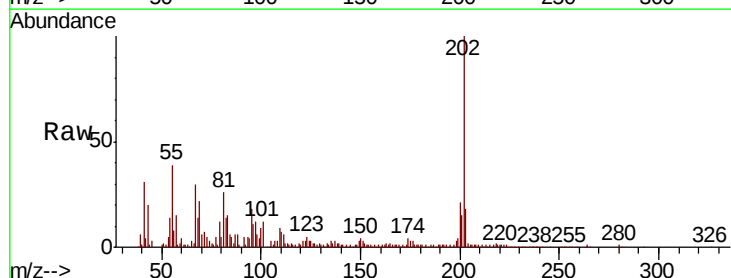
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

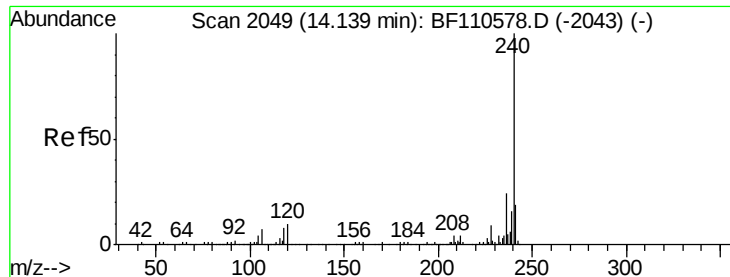
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.5	12.6	18.8



#75
 Fluoranthene
 Concen: 20.678 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.4
203	17.9	0.0	37.7

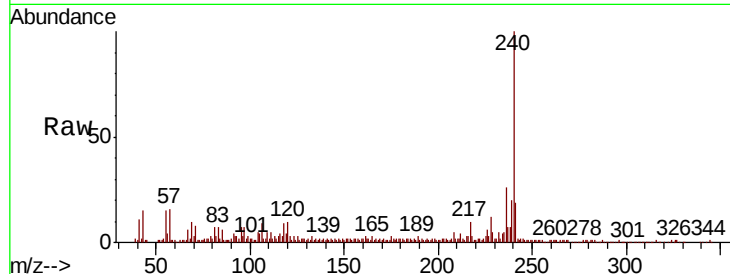




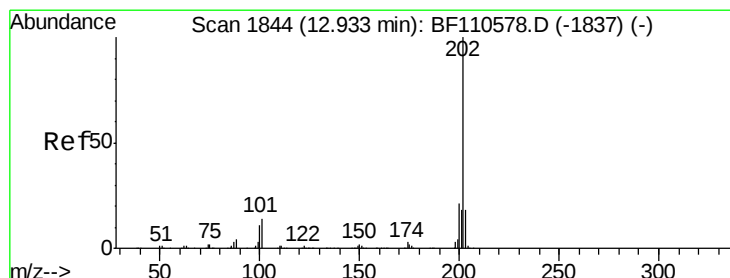
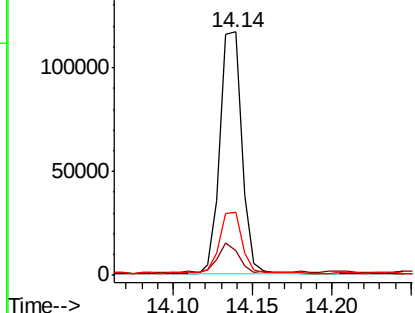
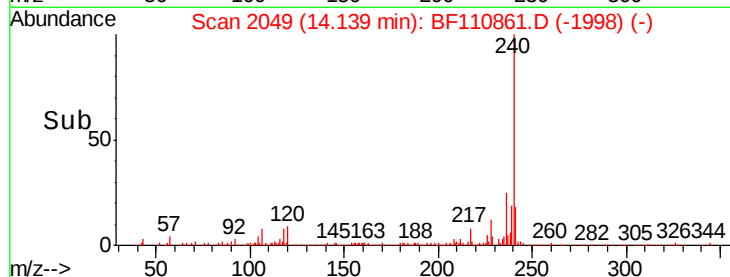
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tgt Ion:240 Resp: 112250
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 25.7 21.2 31.8

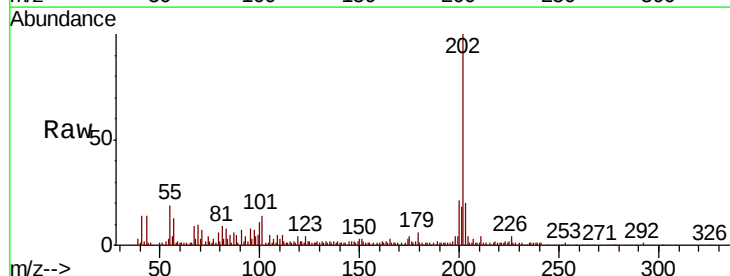


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

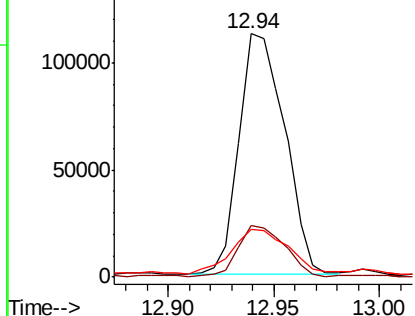
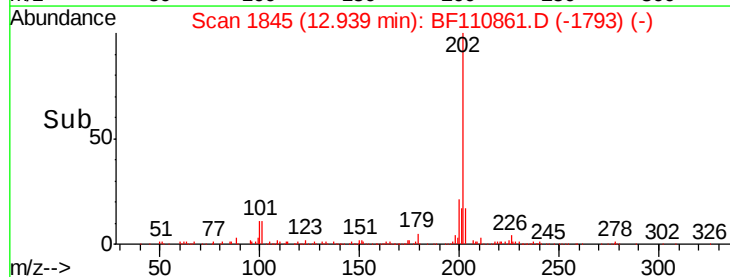


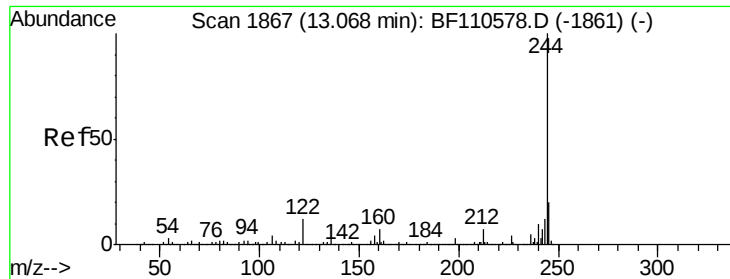
#78
Pyrene
Concen: 19.489 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:202 Resp: 168442
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 19.7 14.2 21.4



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

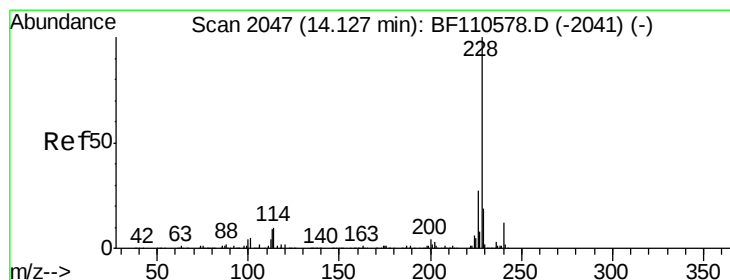
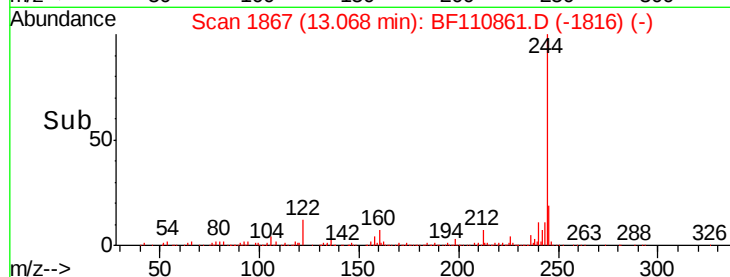
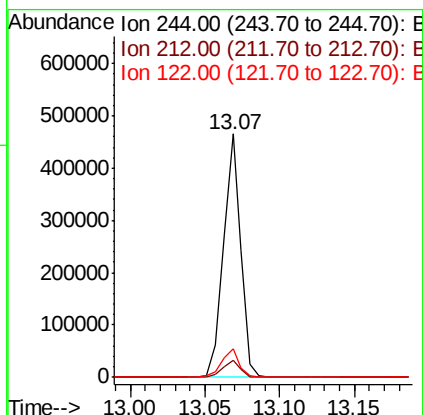
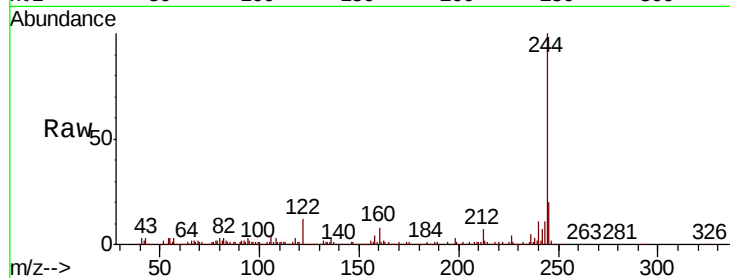




#79
 Terphenyl-d14
 Concen: 63.636 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

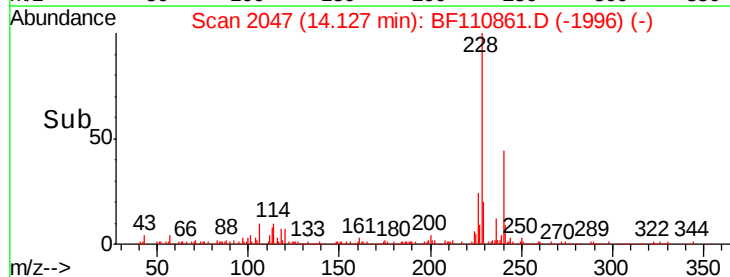
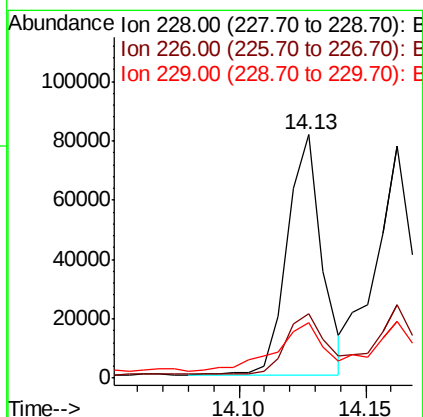
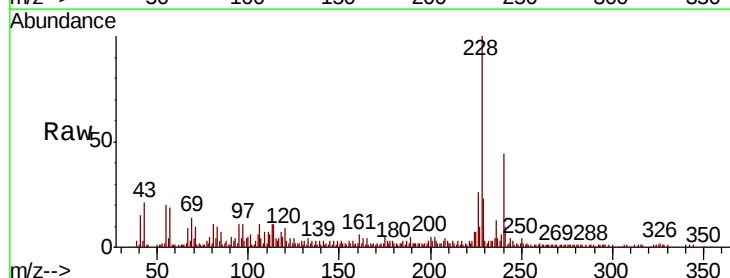
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

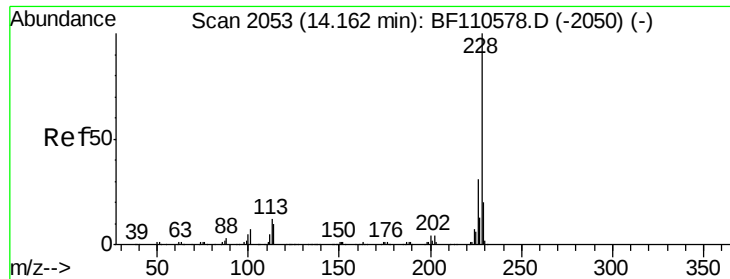
Tgt Ion:244 Resp: 381422
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 12.0 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 11.374 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Tgt Ion:228 Resp: 76312
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.1 33.1
 229 22.6 15.6 23.4





#83

Chrysene

Concen: 11.939 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.04 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

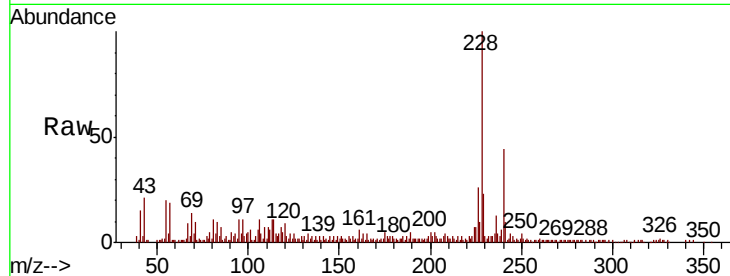
Tgt Ion:228 Resp: 76312

Ion Ratio Lower Upper

228 100

226 26.3 24.7 37.1

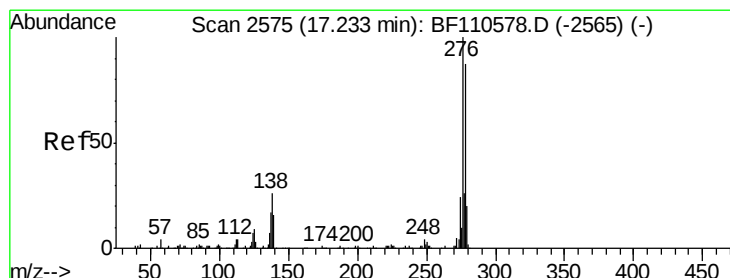
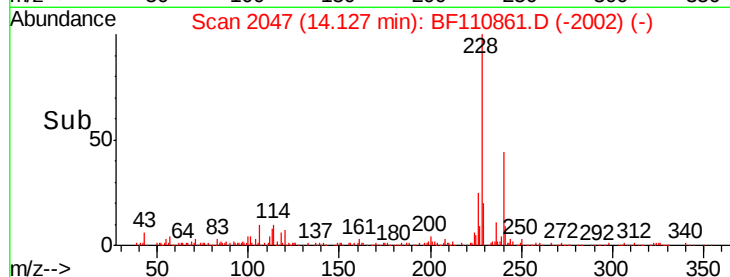
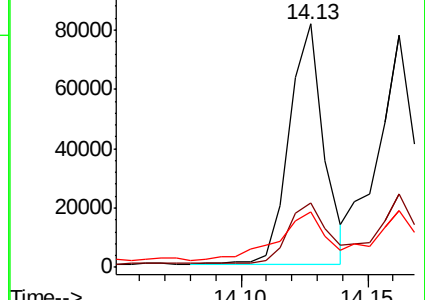
229 22.6 15.9 23.9



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: 5.054 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.03 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

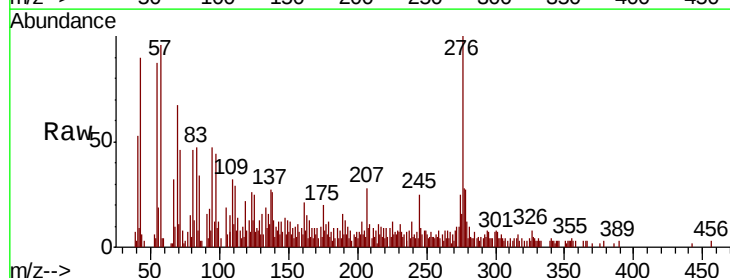
Tgt Ion:276 Resp: 23181

Ion Ratio Lower Upper

276 100

138 23.8 18.5 27.7

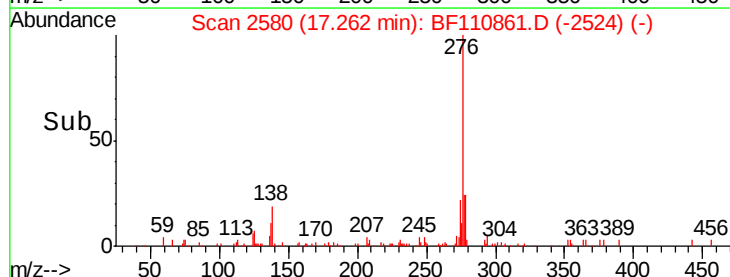
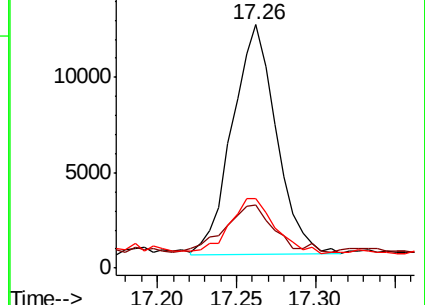
277 26.6 20.0 30.0

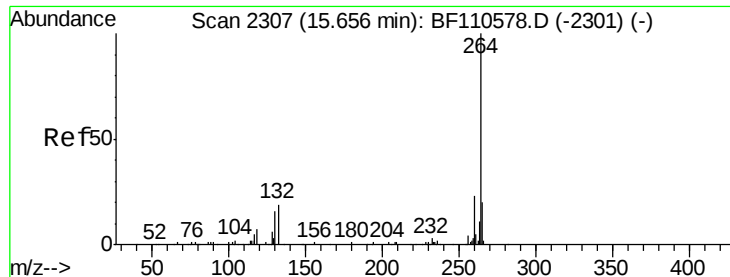


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



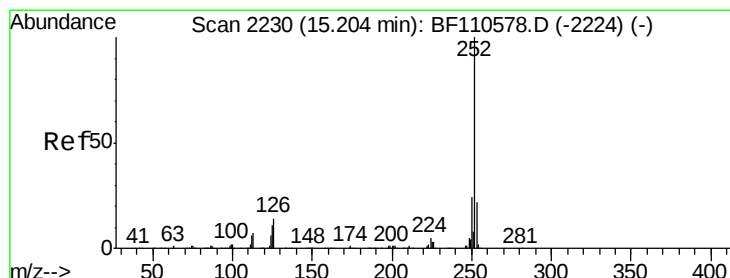
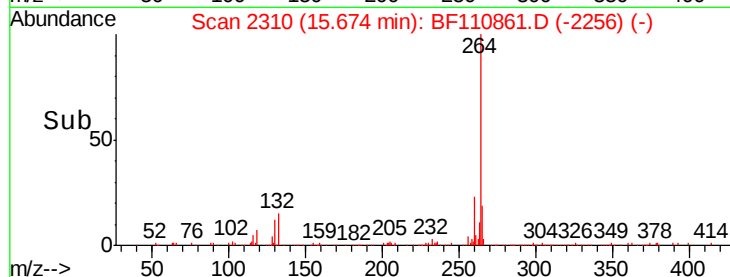
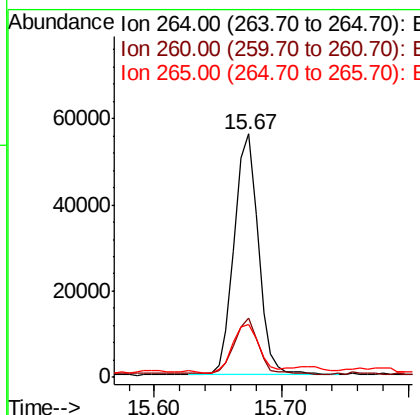
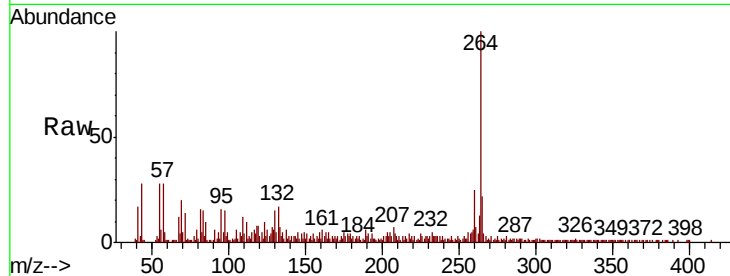


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tgt Ion:264 Resp: 73993

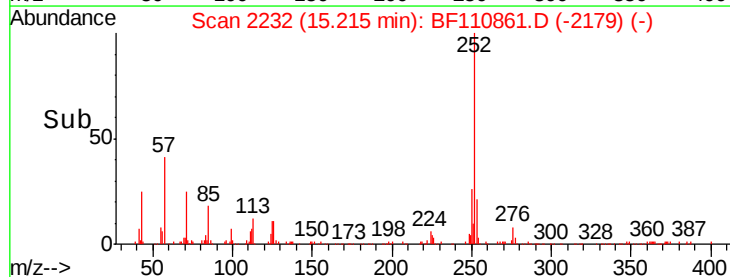
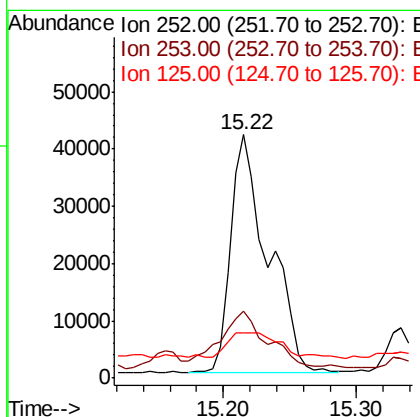
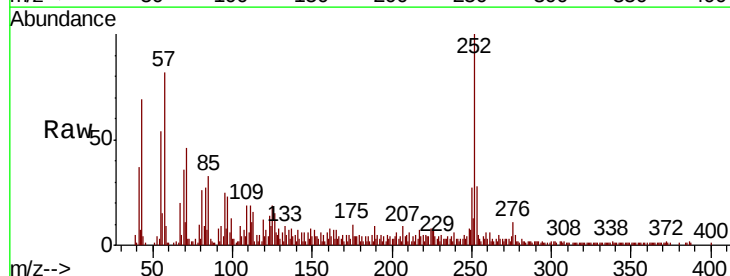
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.0	16.7	25.1

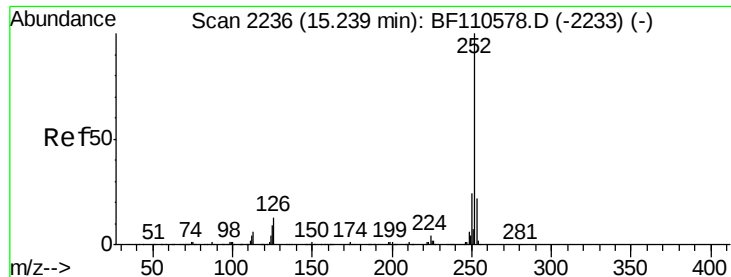


#88
Benzo(b)fluoranthene
Concen: 18.516 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:252 Resp: 81962

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.2	25.8#
125	18.6	8.2	12.4#

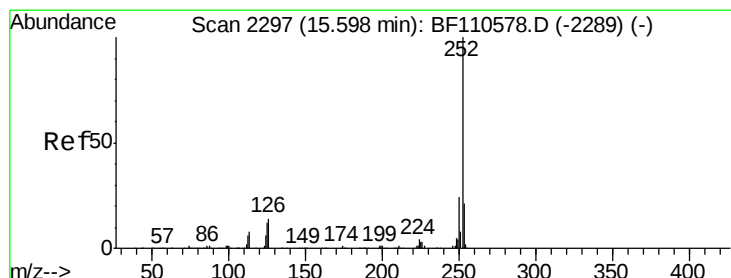
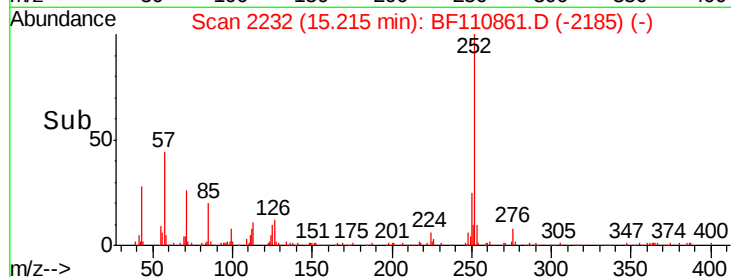
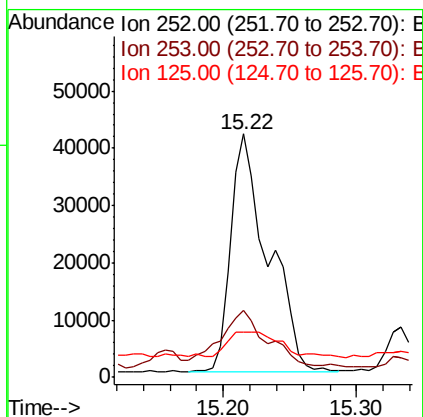
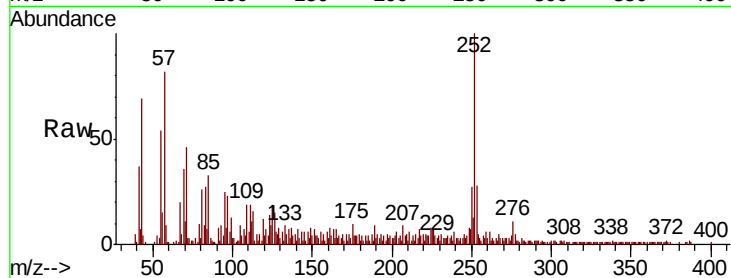




#89
Benzo(k)fluoranthene
Concen: 18.739 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

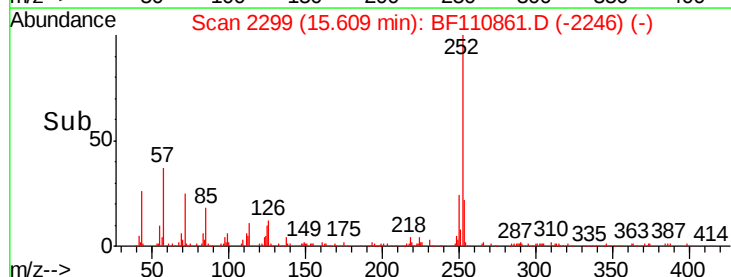
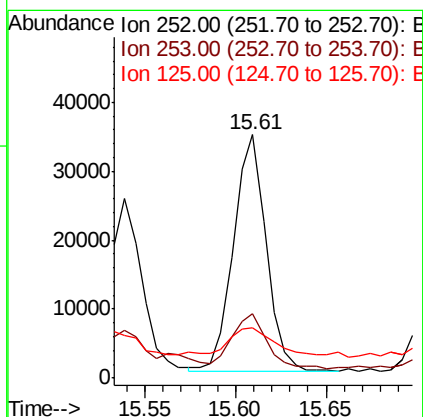
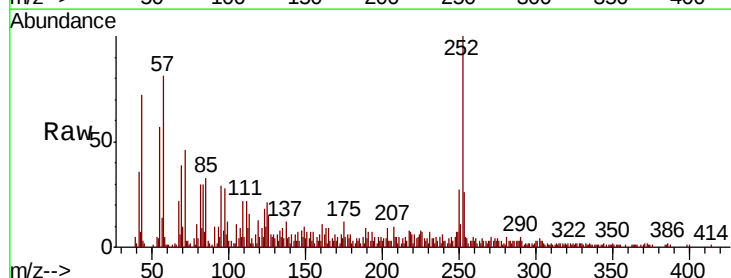
Instrument :
BNA_F
ClientSampleId :
SU-04-111618

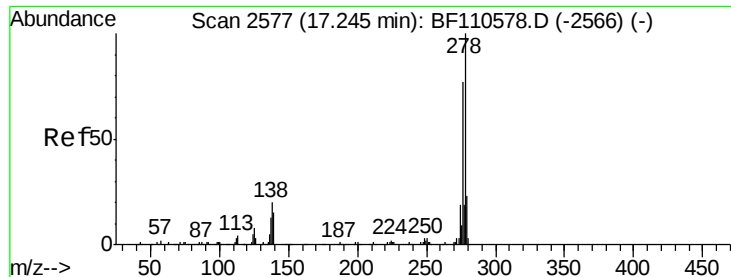
Tgt Ion:252 Resp: 81962
Ion Ratio Lower Upper
252 100
253 27.6 17.2 25.8#
125 18.6 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 10.815 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:252 Resp: 43494
Ion Ratio Lower Upper
252 100
253 26.2 18.2 27.4
125 20.8 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.368 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

ClientSampleId :

SU-04-111618

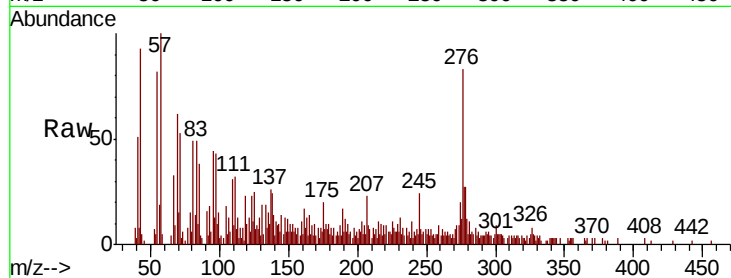
Tgt Ion:278 Resp: 8059

Ion Ratio Lower Upper

278 100

139 51.9 12.7 19.1#

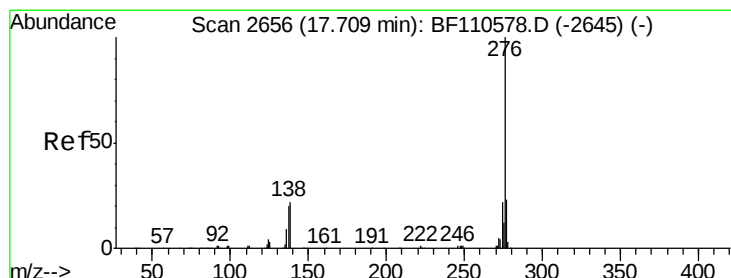
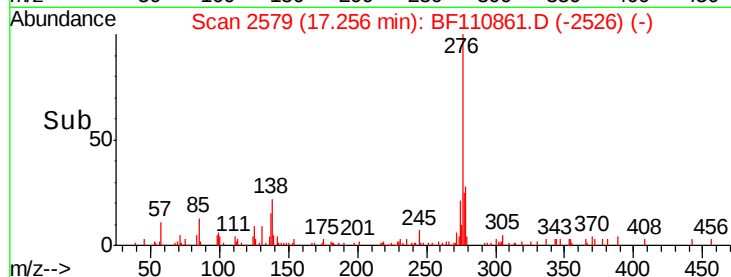
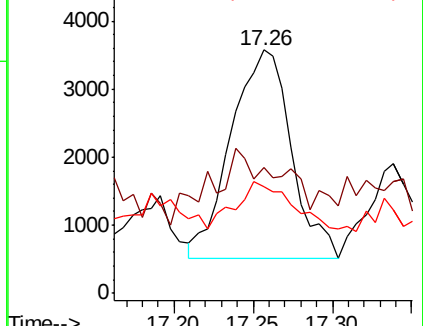
279 43.9 19.0 28.4#



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: 7.806 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.04 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

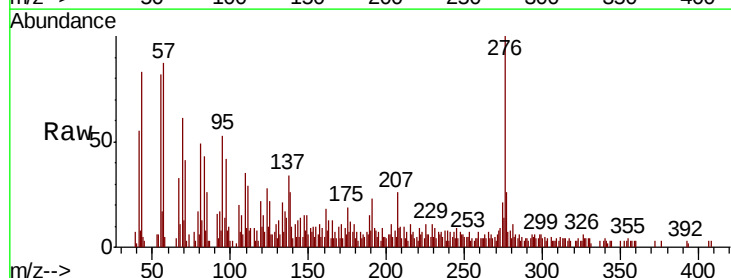
Tgt Ion:276 Resp: 26359

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 26.1 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

