

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112318\
 Data File : BF110948.D
 Acq On : 23 Nov 2018 17:07
 Operator : JU/SJ
 Sample : J5999-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

Quant Time: Nov 23 20:06:28 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	6.93	152	68992	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	275145	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	111934	20.00	ng	-0.02
64) Phenanthrene-d10	11.47	188	189744	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	167490	20.00	ng	-0.01
87) Perylene-d12	15.66	264	129668	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	400674	94.33	ng	0.00
7) Phenol-d6	6.56	99	492374	90.65	ng	-0.01
23) Nitrobenzene-d5	7.50	82	311325	65.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	85991	76.24	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	355612	45.37	ng	-0.02
79) Terphenyl-d14	13.05	244	279160	31.21	ng	-0.02

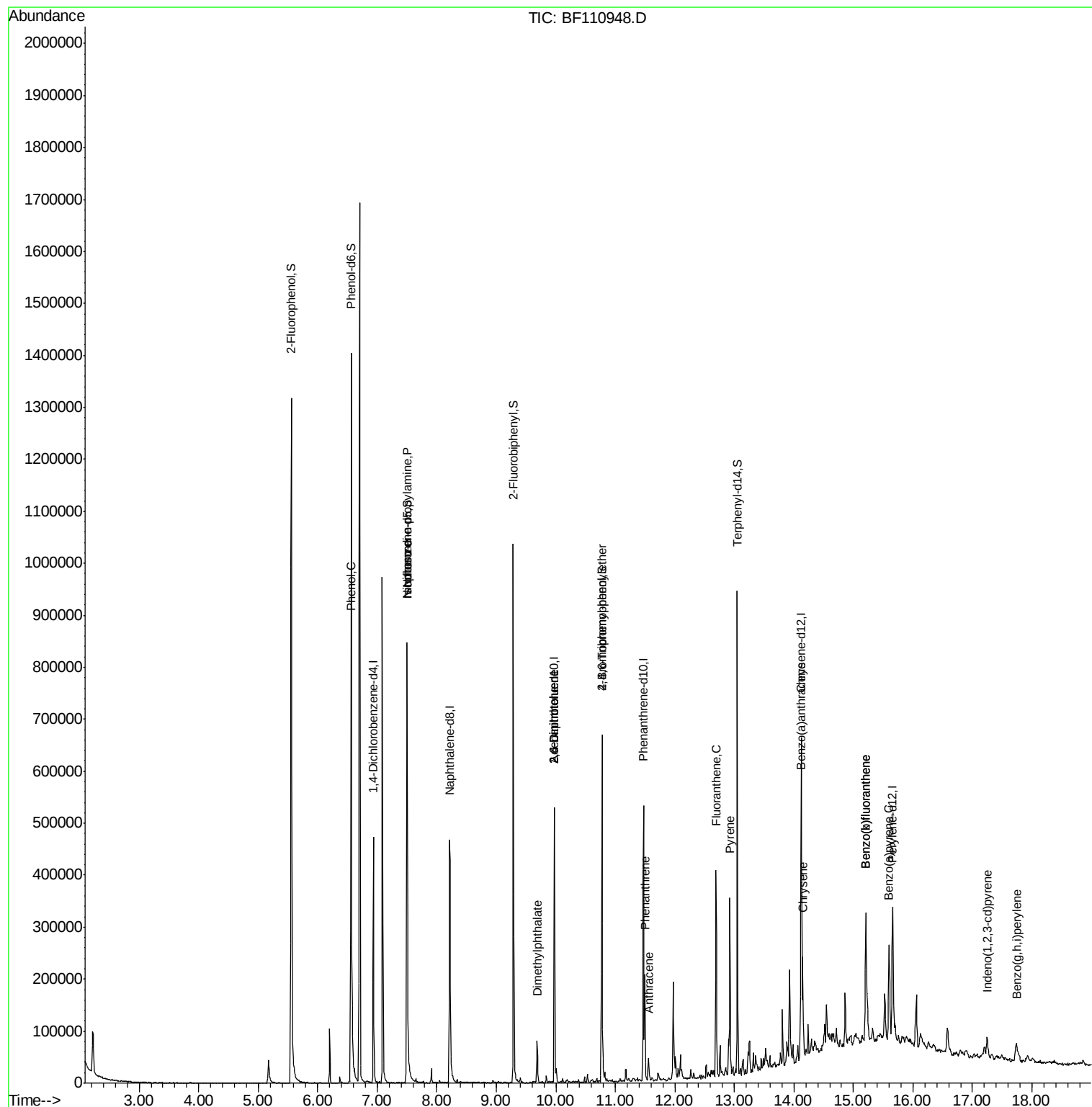
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	737	Below Cal		# 82
10) Phenol	6.57	94	26621	4.227	ng	# 77
19) n-Nitroso-di-n-propylamine	7.50	70	41457	11.957	ng	# 80
25) Isophorone	7.50	82	311325	39.757	ng	# 67
50) Dimethylphthalate	9.69	163	36422	4.361	ng	99
51) 2,6-Dinitrotoluene	9.97	165	14389	7.832	ng	# 21
57) 2,4-Dinitrotoluene	9.97	165	14389	6.023	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	5547	2.645	ng	# 1
71) Phenanthrene	11.50	178	77537	7.627	ng	99
72) Anthracene	11.56	178	24293	2.369	ng	97
75) Fluoranthene	12.69	202	152540	14.967	ng	99
78) Pyrene	12.93	202	137975	10.699	ng	98
81) Benzo(a)anthracene	14.12	228	83936	8.384	ng	98
83) Chrysene	14.15	228	74757	7.838	ng	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	29656	4.333	ng	95
88) Benzo(b)fluoranthene	15.20	252	116858	15.064	ng	96
89) Benzo(k)fluoranthene	15.20	252	116858	15.246	ng	# 95
90) Benzo(a)pyrene	15.59	252	58065	8.239	ng	97
92) Benzo(g,h,i)perylene	17.73	276	28791	4.865	ng	# 95

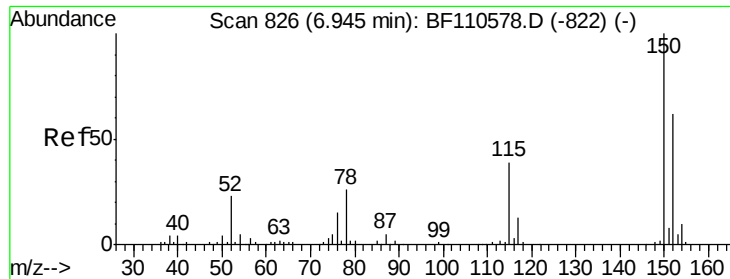
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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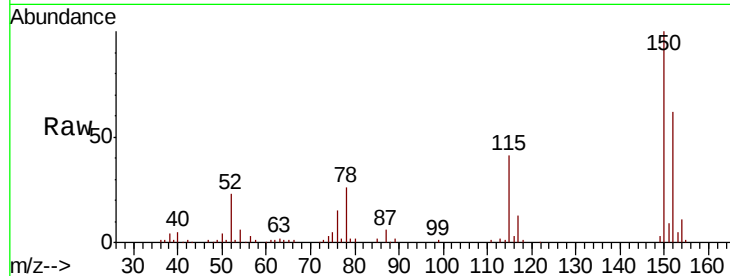


#1

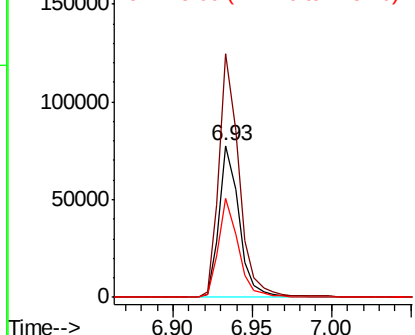
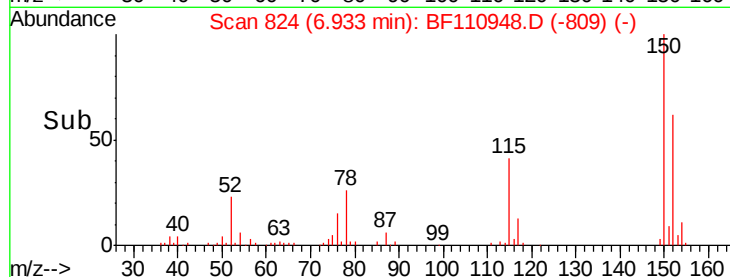
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tgt Ion:152 Resp: 68992
Ion Ratio Lower Upper
152 100
150 160.6 122.7 184.1
115 65.1 49.1 73.7



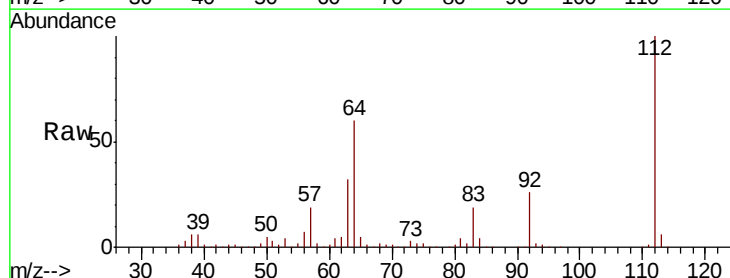
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



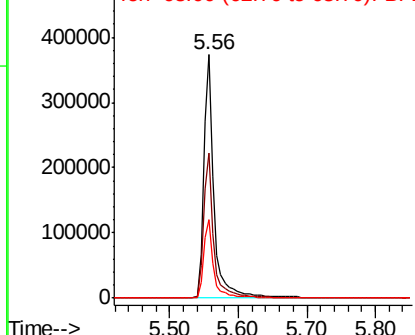
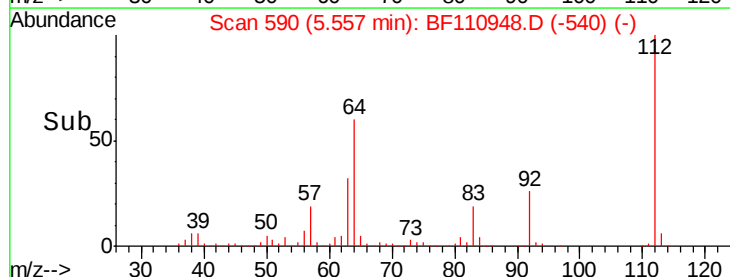
#5

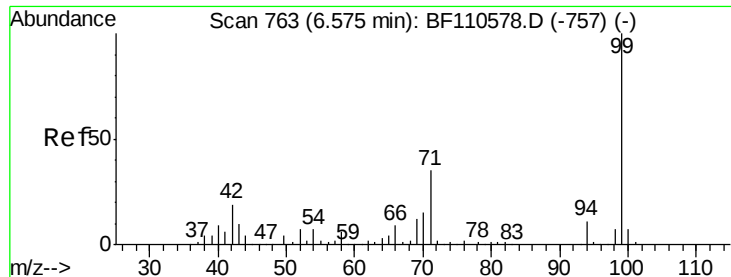
2-Fluorophenol
Concen: 94.333 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion:112 Resp: 400674
Ion Ratio Lower Upper
112 100
64 59.6 44.1 66.1
63 32.2 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: 90.652 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

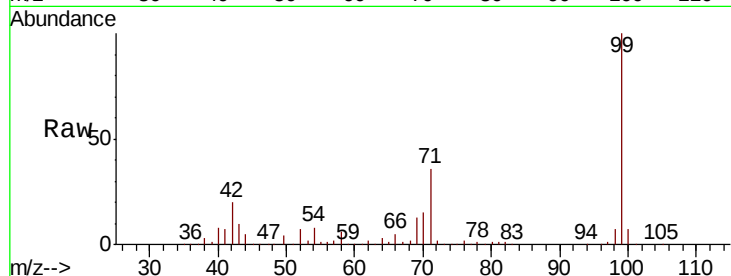
Tgt Ion: 99 Resp: 492374

Ion Ratio Lower Upper

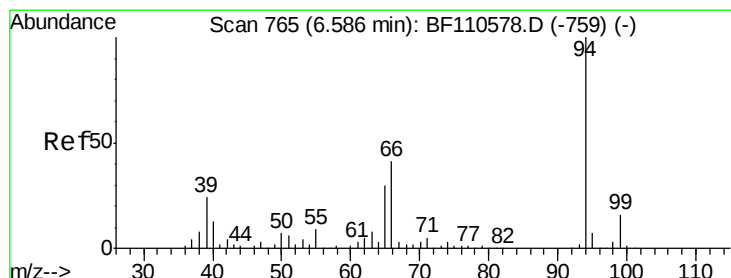
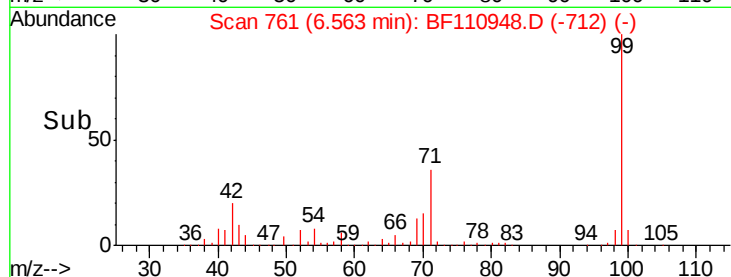
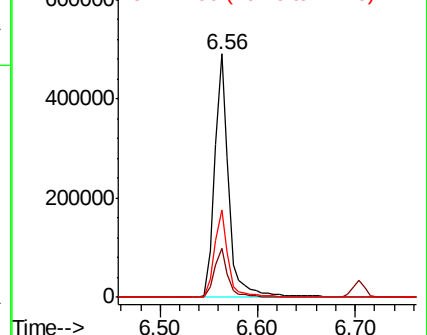
99 100

42 20.0 15.8 23.6

71 35.8 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



#10

Phenol

Concen: 4.227 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

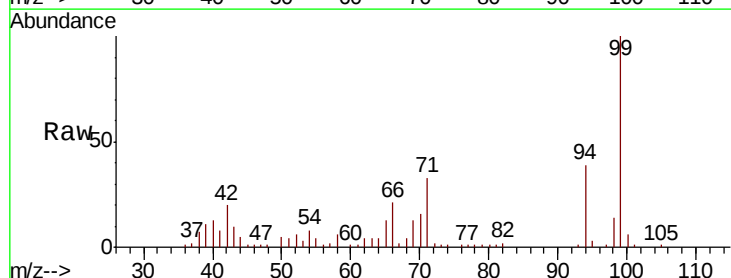
Tgt Ion: 94 Resp: 26621

Ion Ratio Lower Upper

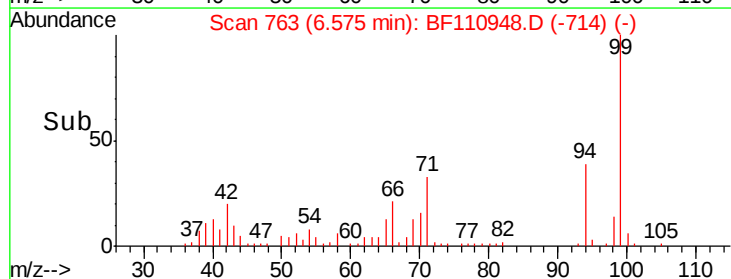
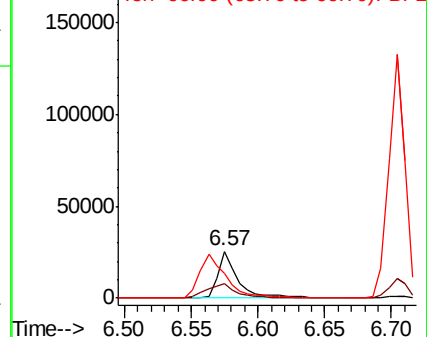
94 100

65 32.4 25.3 65.3

66 53.8 54.5 94.5#



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

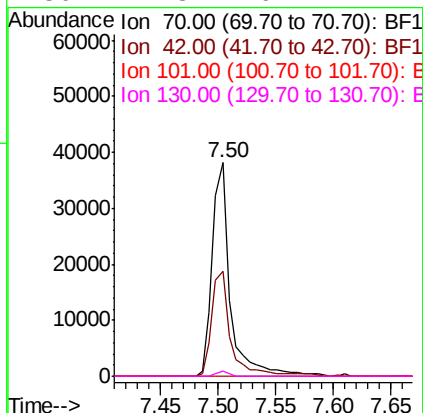
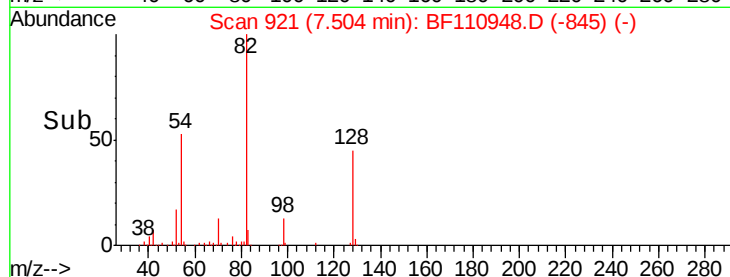
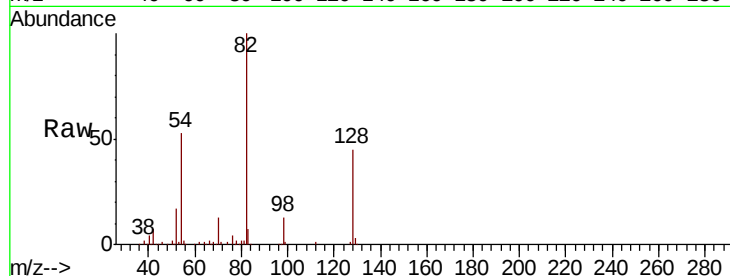




#19
n-Nitroso-di-n-propylamine
Concen: 11.957 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

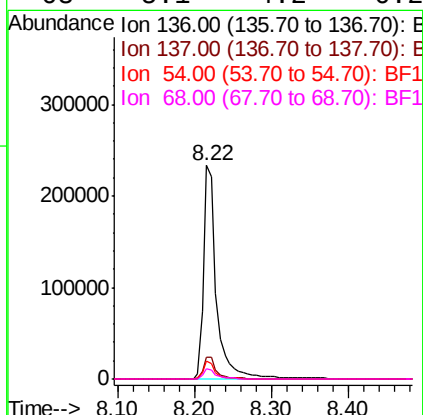
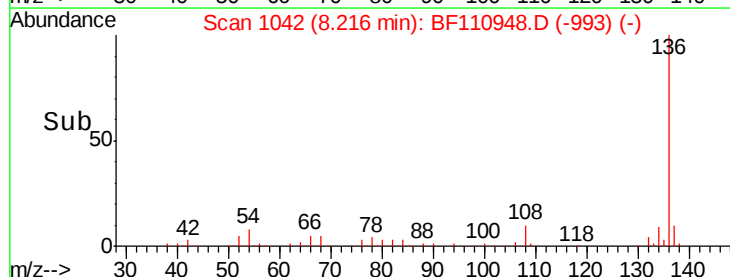
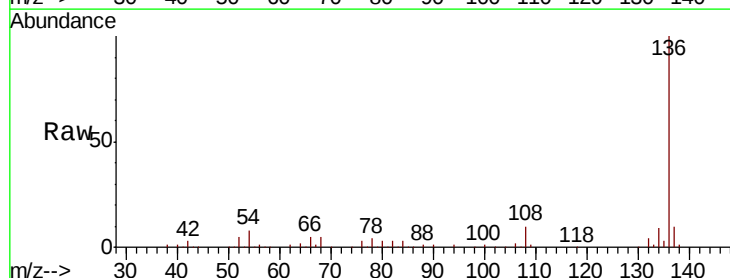
Instrument :
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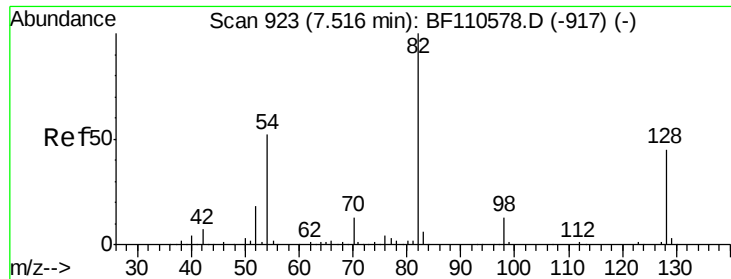
Tgt Ion: 70 Resp: 41457
Ion Ratio Lower Upper
70 100
42 49.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion: 136 Resp: 275145
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.3 5.4 8.2#
68 5.1 4.2 6.2

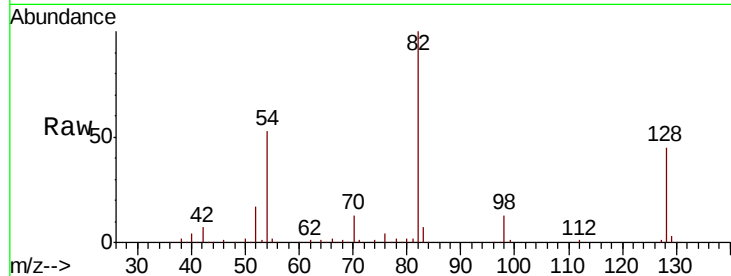




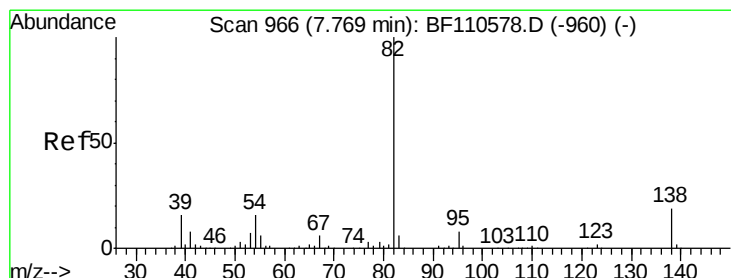
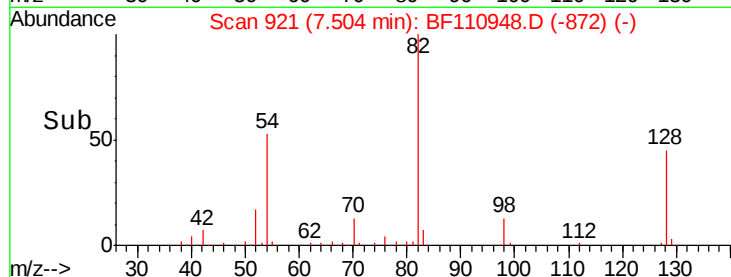
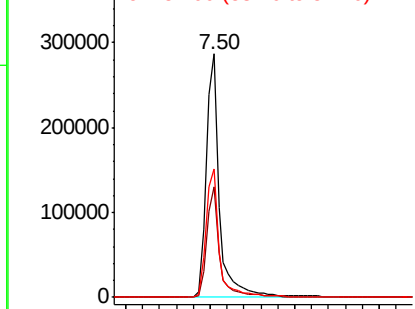
#23
 Nitrobenzene-d5
 Concen: 65.162 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.2	51.2
54	52.8	38.6	58.0

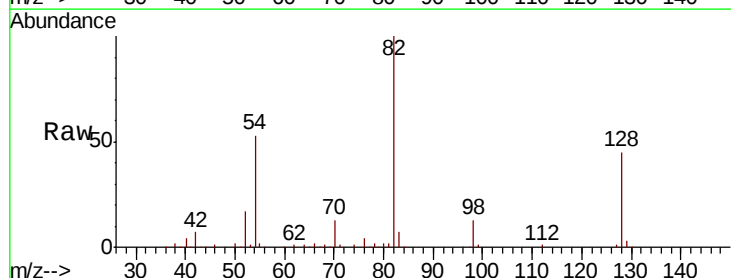


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

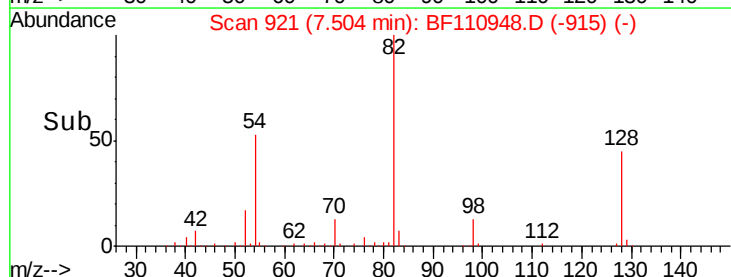
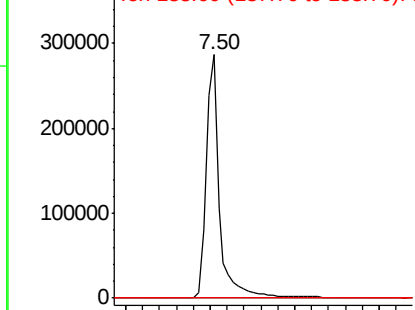


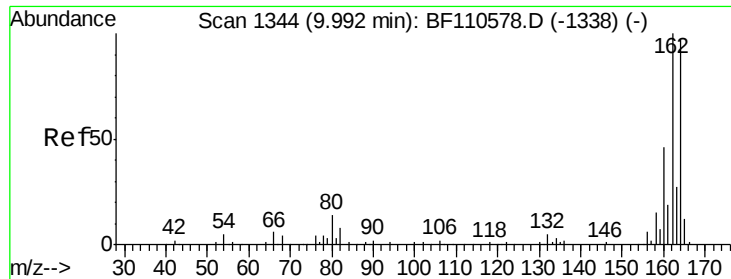
#25
 Isophorone
 Concen: 39.757 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Tgt 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: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

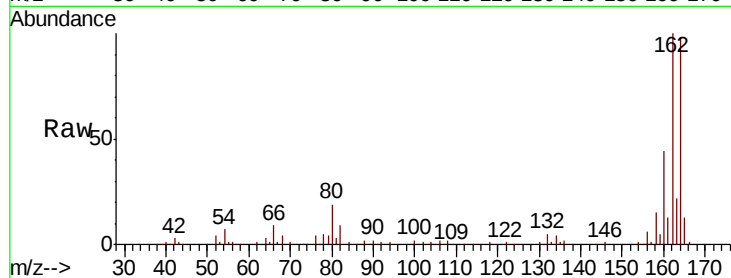
Tgt Ion:164 Resp: 111934

Ion Ratio Lower Upper

164 100

162 101.6 83.0 124.6

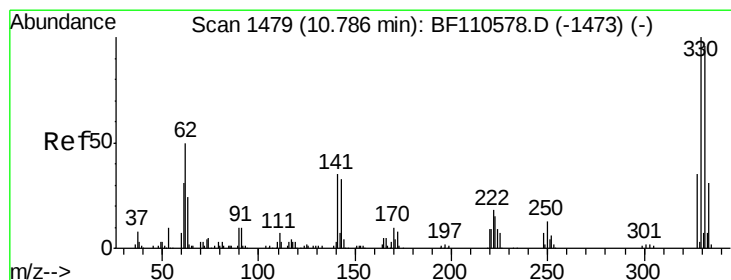
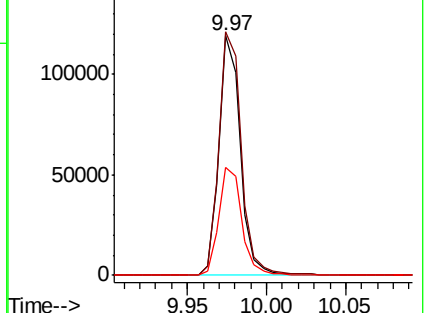
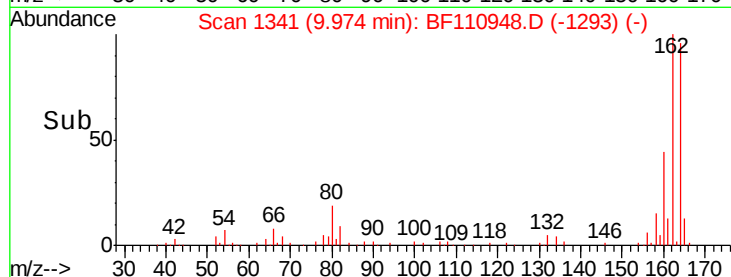
160 45.1 37.0 55.6



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: 76.242 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

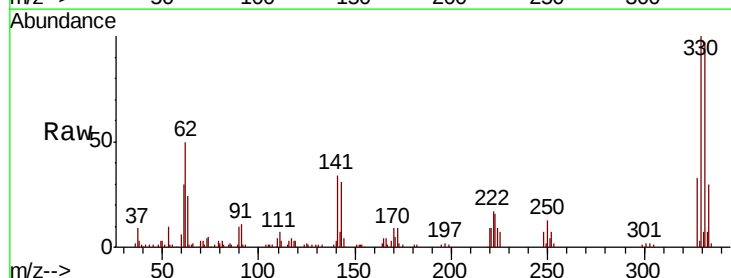
Tgt Ion:330 Resp: 85991

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

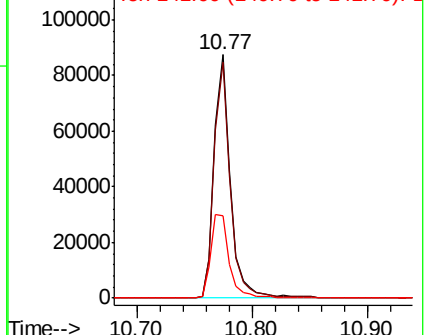
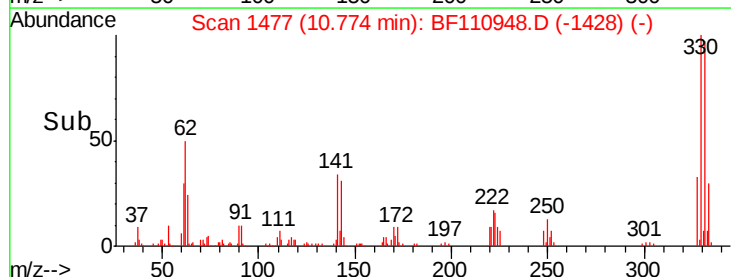
141 38.2 27.0 40.4

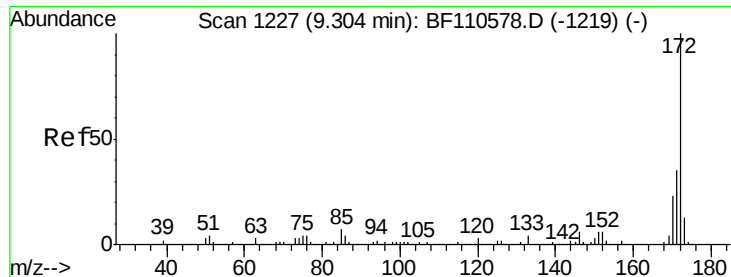


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

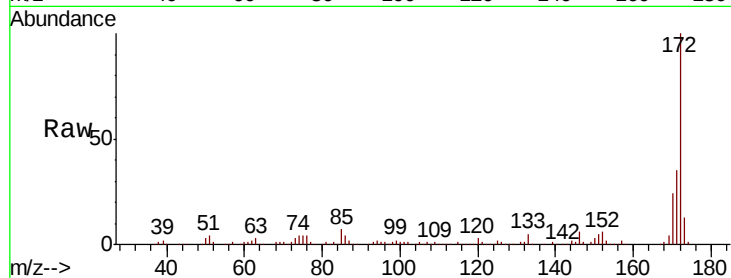




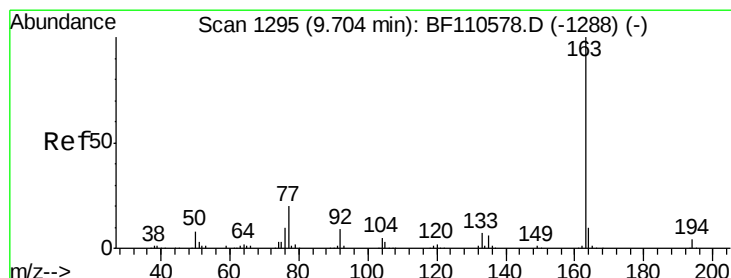
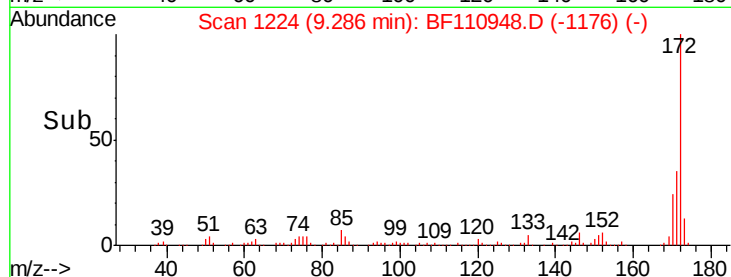
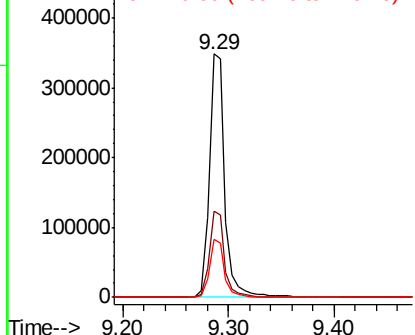
#45
 2-Fluorobiphenyl
 Concen: 45.373 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.02 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

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 SSSI-1115-S-AB-2

Tgt Ion:172 Resp: 355612
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.7 19.7 29.5

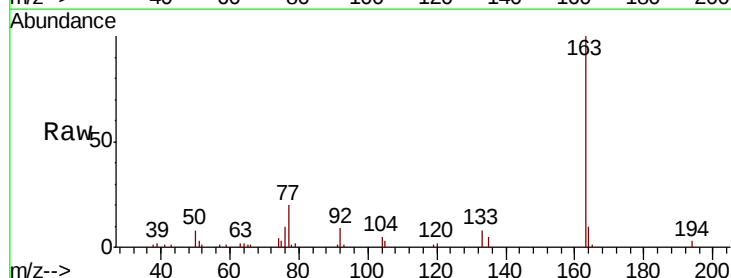


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

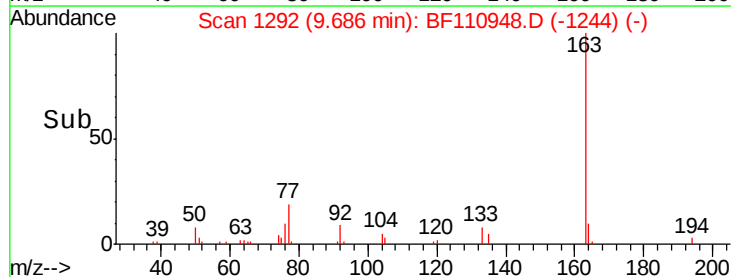
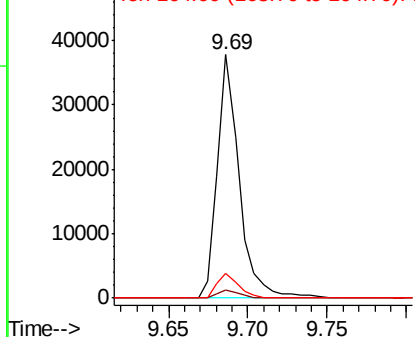


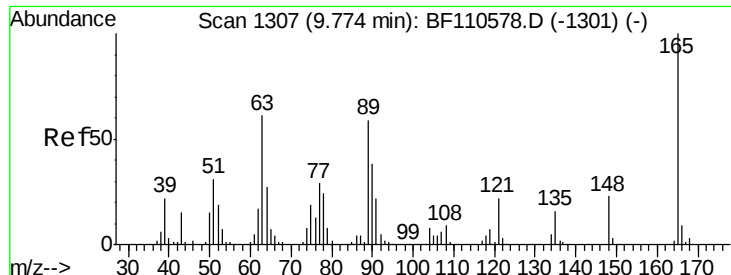
#50
 Dimethylphthalate
 Concen: 4.361 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Tgt Ion:163 Resp: 36422
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.2 4.8
 164 10.0 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

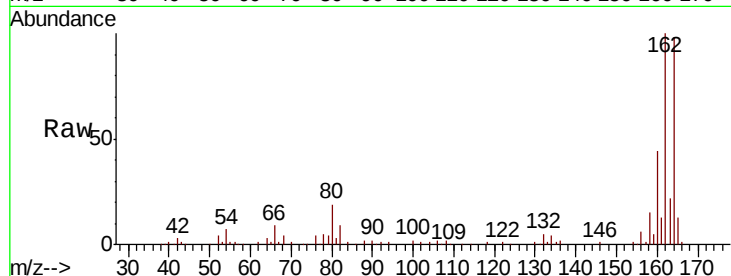




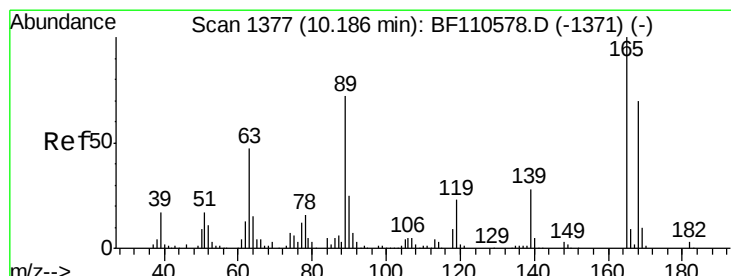
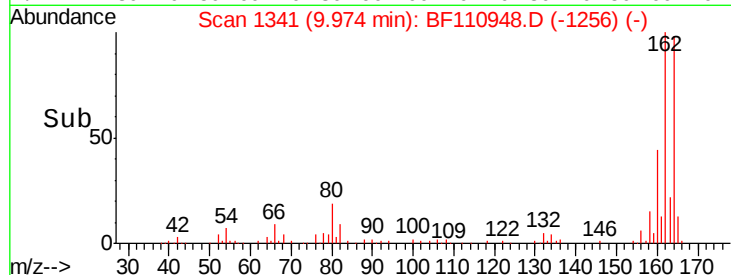
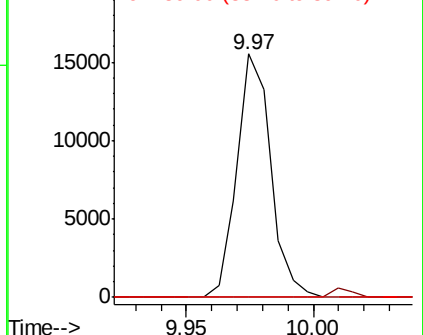
#51
 2,6-Dinitrotoluene
 Concen: 7.832 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.20 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

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

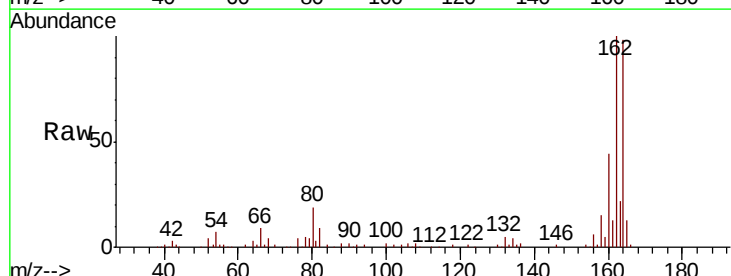


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

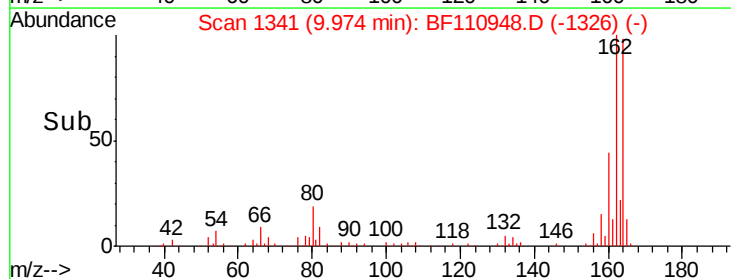
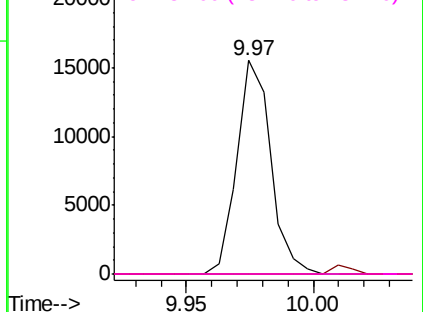


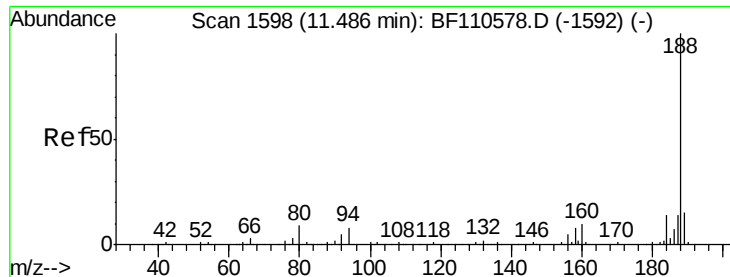
#57
 2,4-Dinitrotoluene
 Concen: 6.023 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.21 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Tgt 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#



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: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

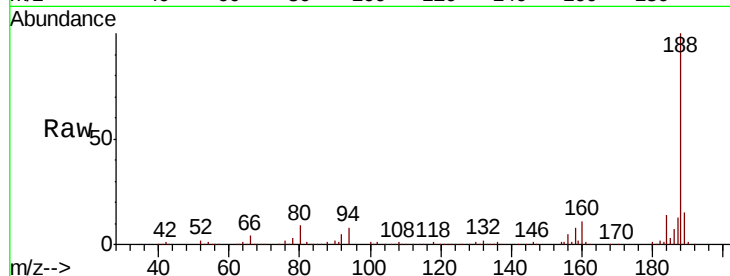
Tgt Ion:188 Resp: 189744

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

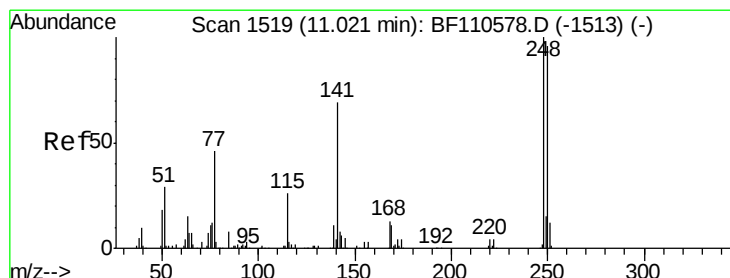
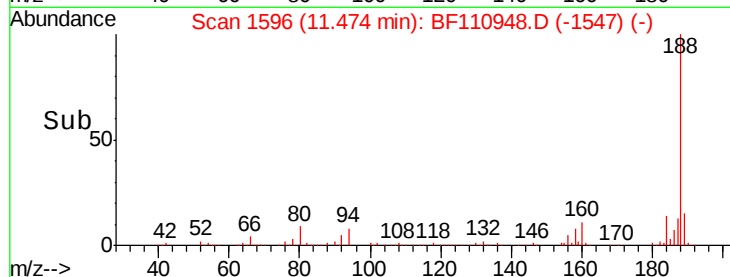
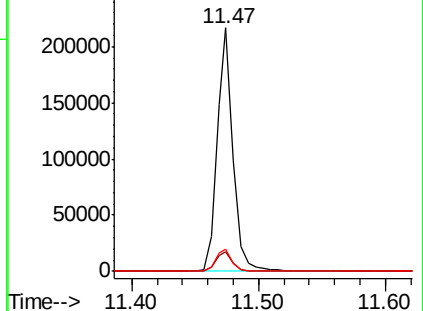
80 9.3 7.9 11.9



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: 2.645 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.25 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

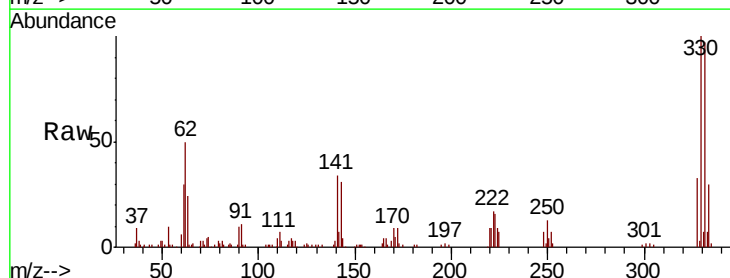
Tgt Ion:248 Resp: 5547

Ion Ratio Lower Upper

248 100

250 196.5 79.4 119.2#

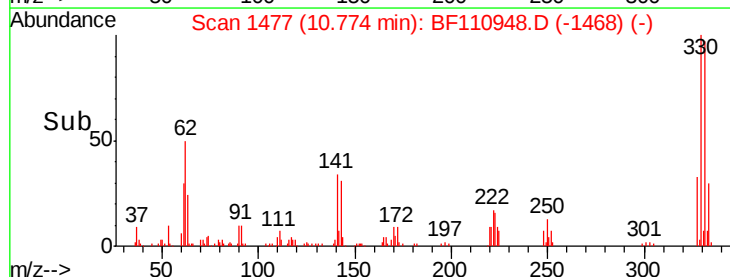
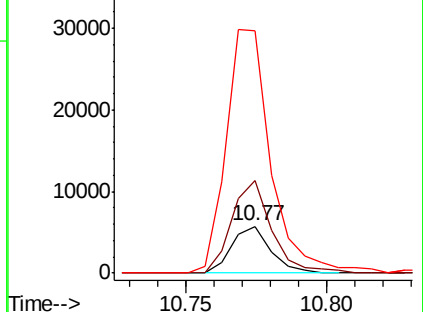
141 513.7 55.9 83.9#

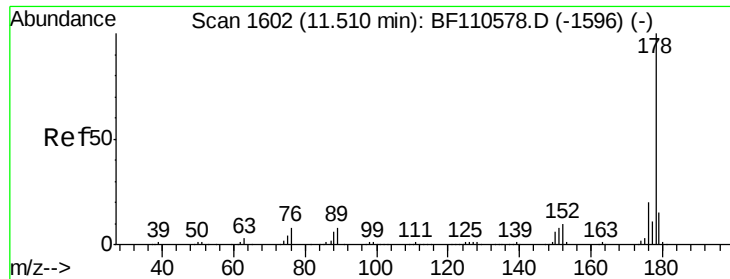


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

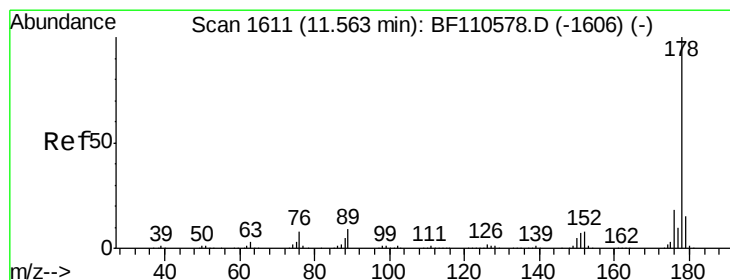
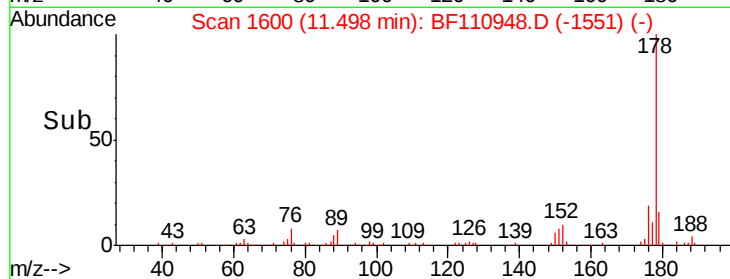
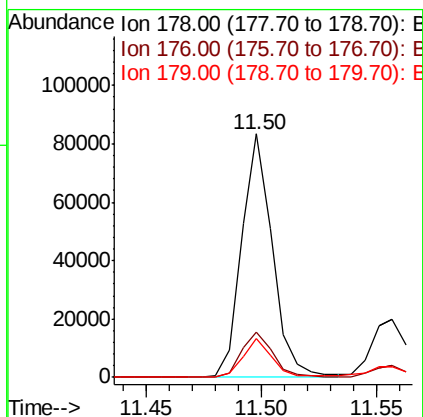
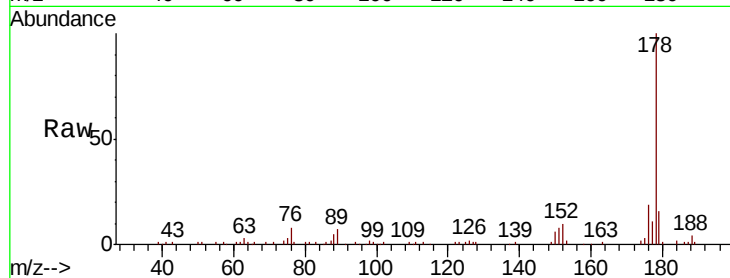




#71
 Phenanthrene
 Concen: 7.627 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

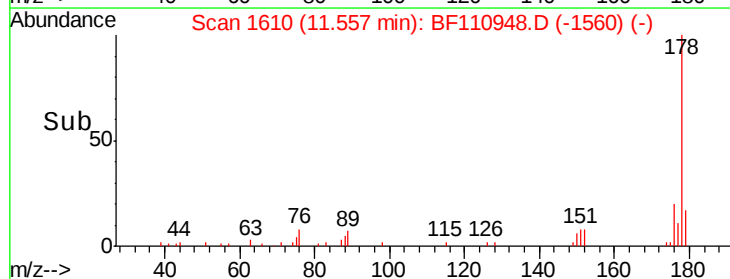
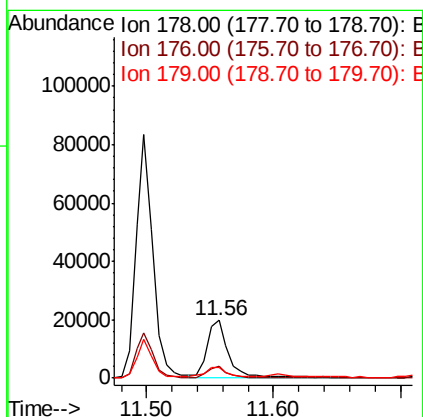
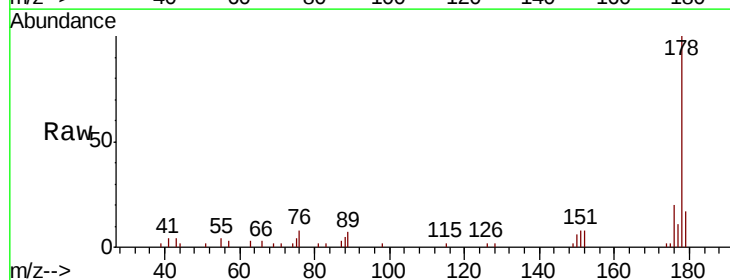
Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

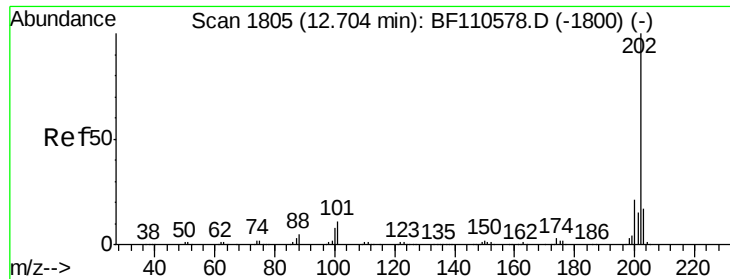
Tgt Ion:178 Resp: 77537
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.8 12.5 18.7



#72
 Anthracene
 Concen: 2.369 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Tgt Ion:178 Resp: 24293
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 17.4 12.6 18.8





#75

Fluoranthene

Concen: 14.967 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

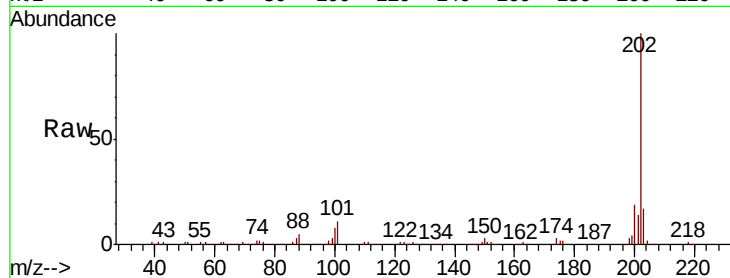
Tgt Ion: 202 Resp: 152540

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

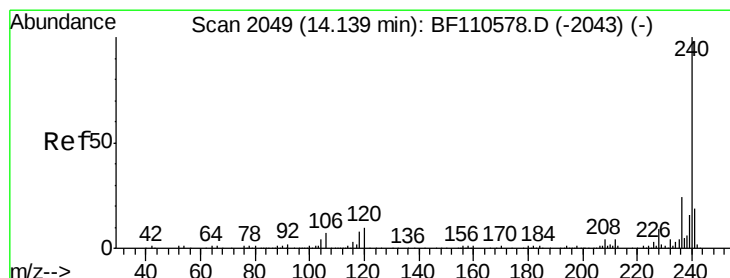
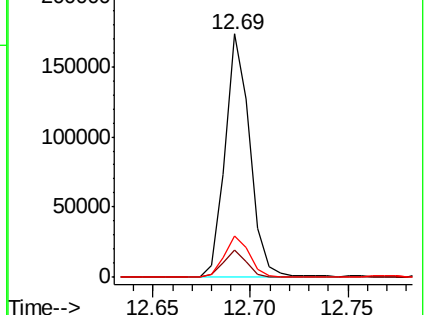
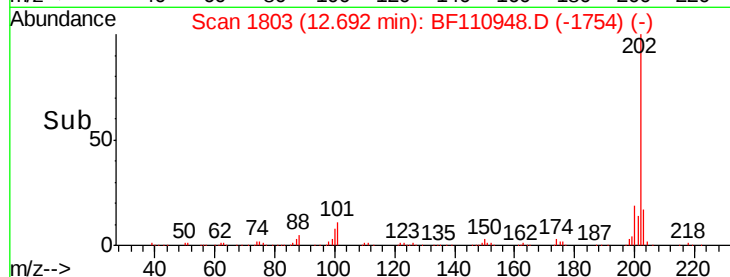
203 17.2 0.0 37.7



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# 2047

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

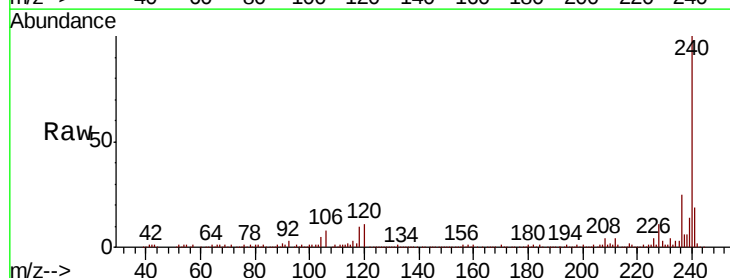
Tgt Ion: 240 Resp: 167490

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

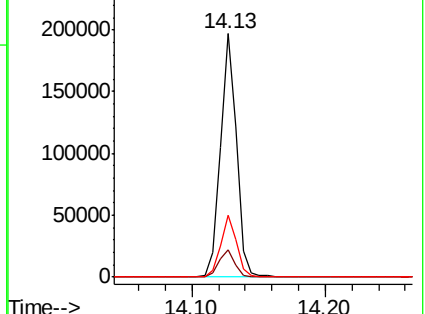
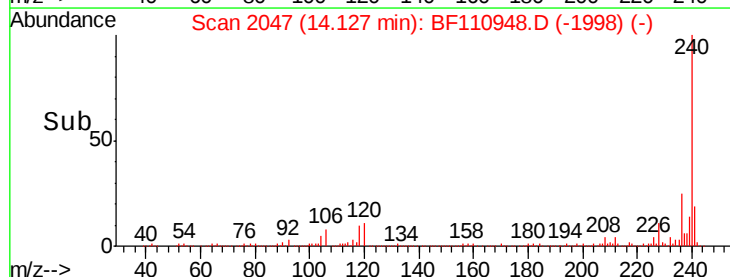
236 25.4 21.2 31.8

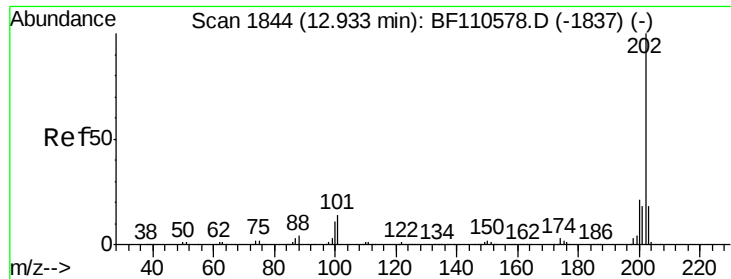


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

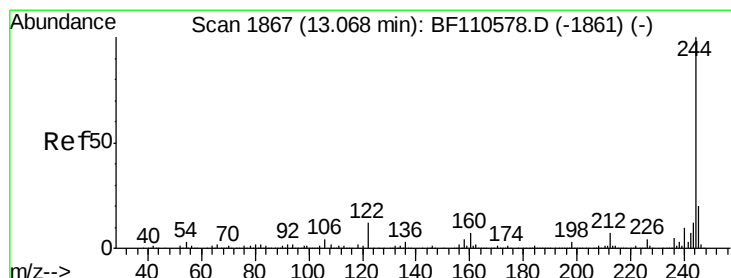
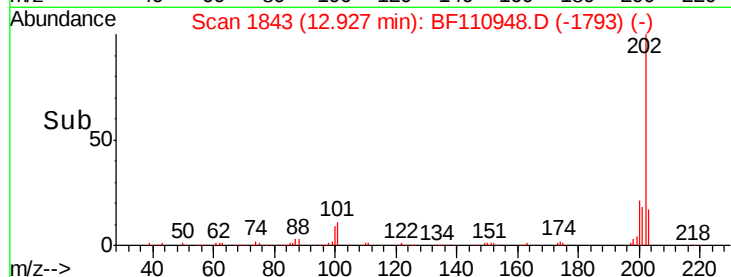
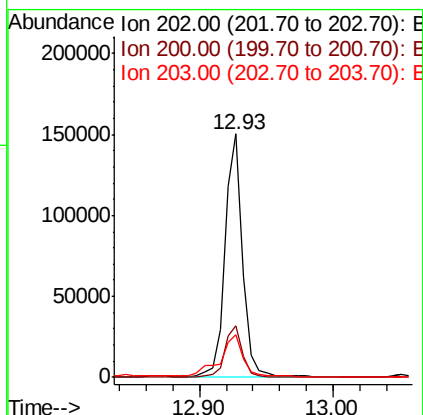
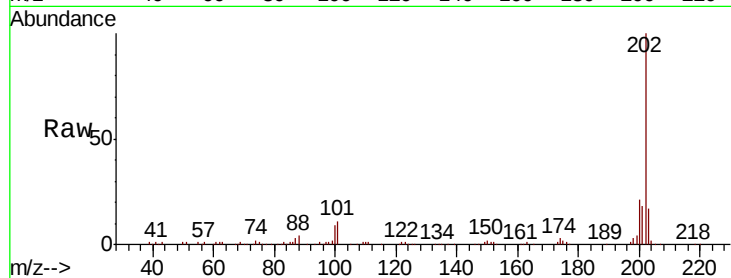




#78
Pyrene
Concen: 10.699 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

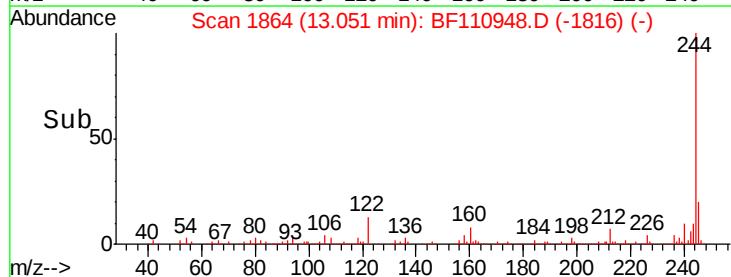
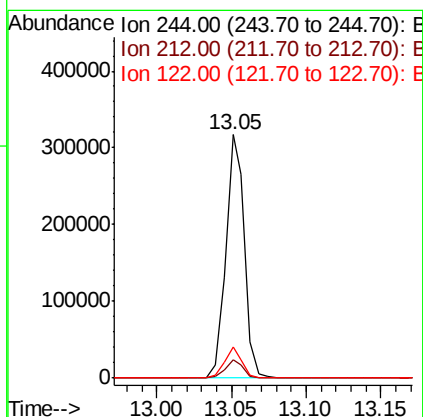
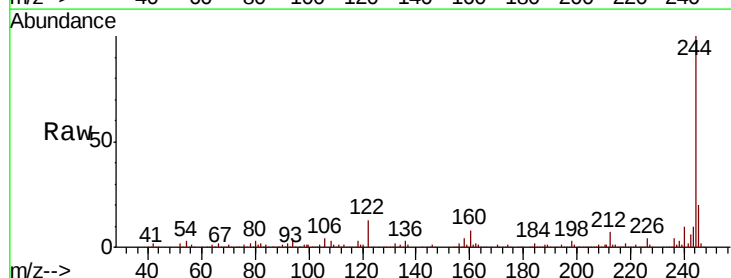
Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

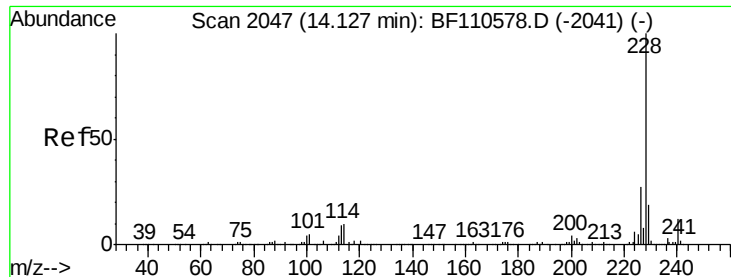
Tgt Ion: 202 Resp: 137975
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.3 14.2 21.4



#79
Terphenyl-d14
Concen: 31.214 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion: 244 Resp: 279160
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 12.6 8.7 13.1

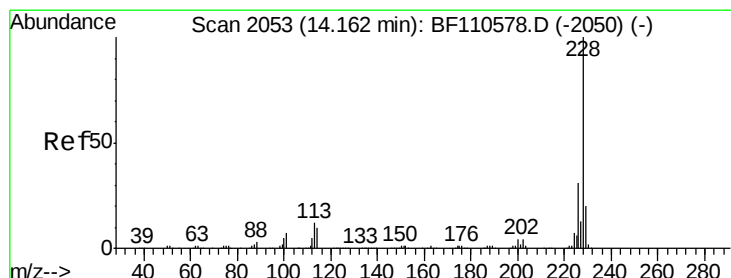
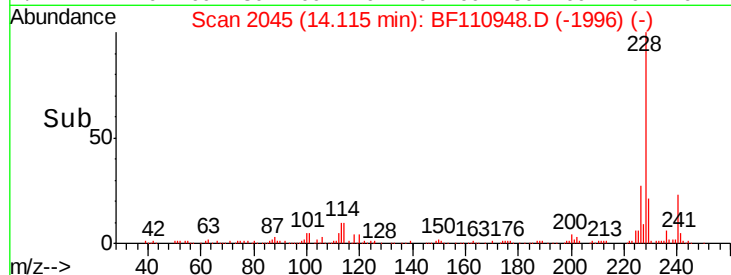
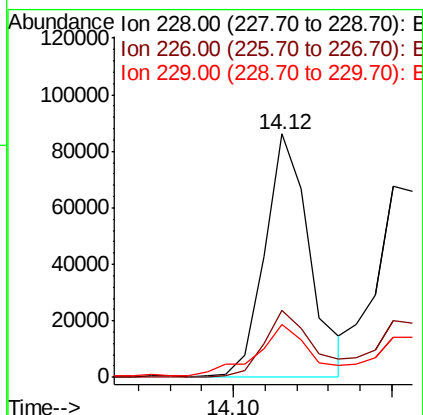
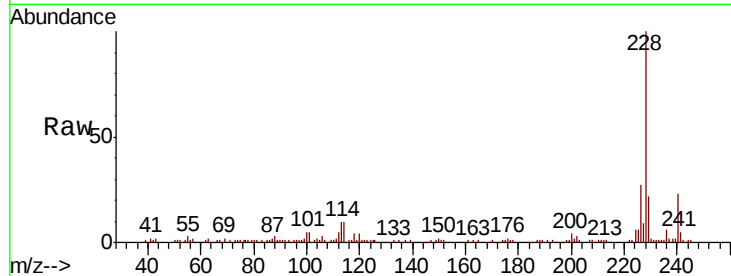




#81
Benzo(a)anthracene
Concen: 8.384 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

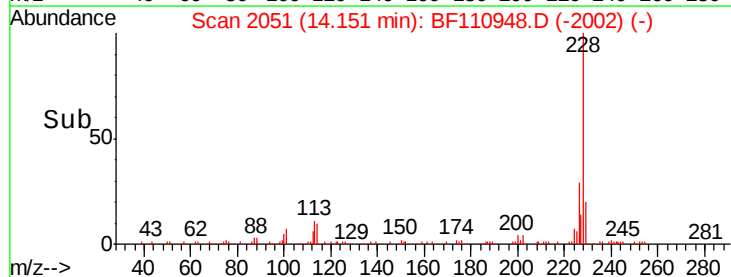
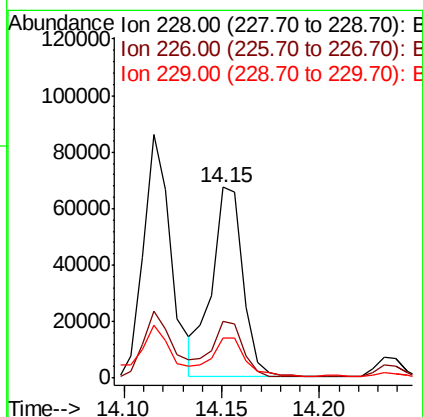
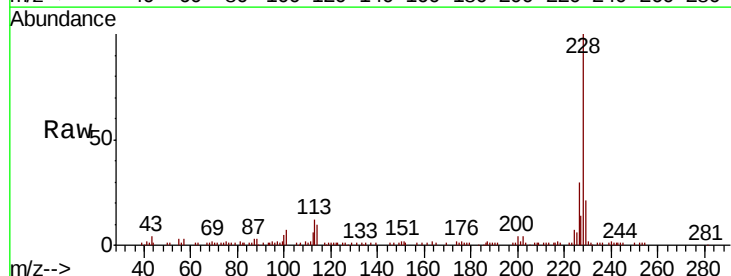
Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

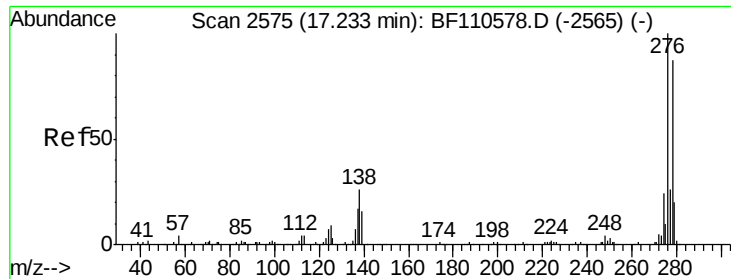
Tgt Ion:228 Resp: 83936
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 21.6 15.6 23.4



#83
Chrysene
Concen: 7.838 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion:228 Resp: 74757
Ion Ratio Lower Upper
228 100
226 29.8 24.7 37.1
229 20.8 15.9 23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.333 ng

RT: 17.25 min Scan# 2578

Delta R.T. 0.02 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

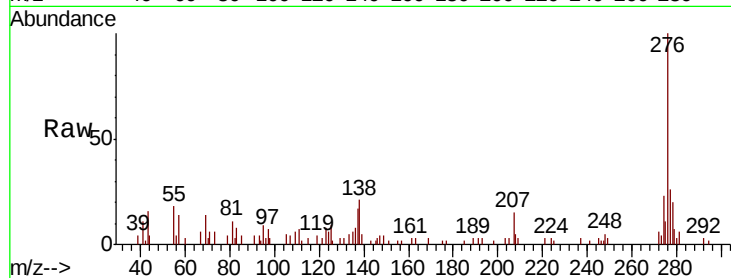
Tgt Ion:276 Resp: 29656

Ion Ratio Lower Upper

276 100

138 25.0 18.5 27.7

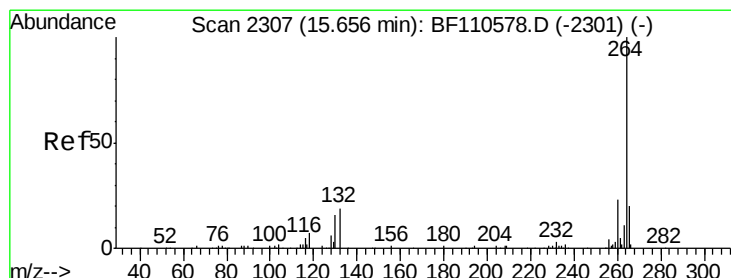
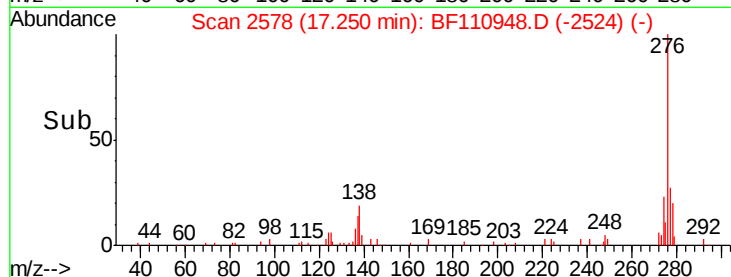
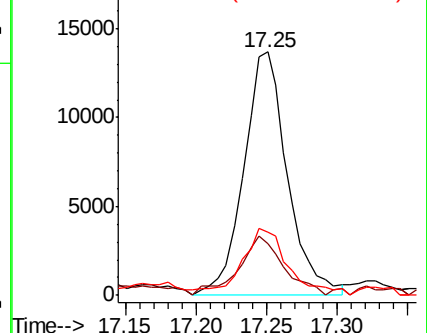
277 28.1 20.0 30.0



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: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

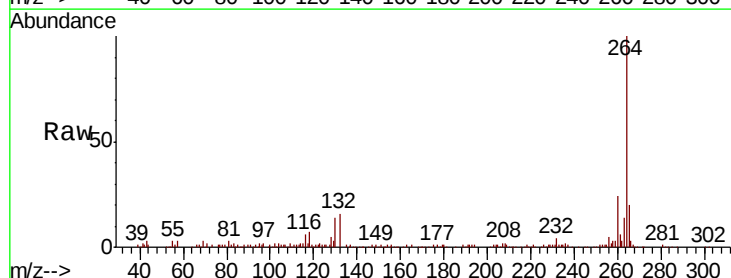
Tgt Ion:264 Resp: 129668

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

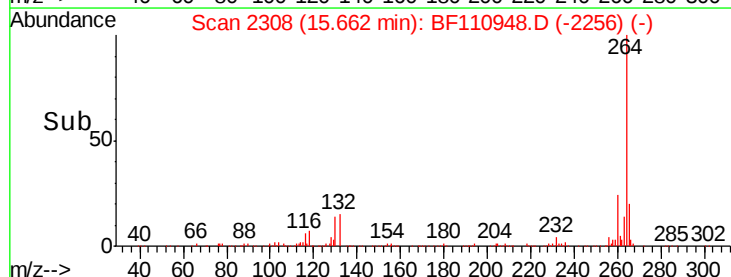
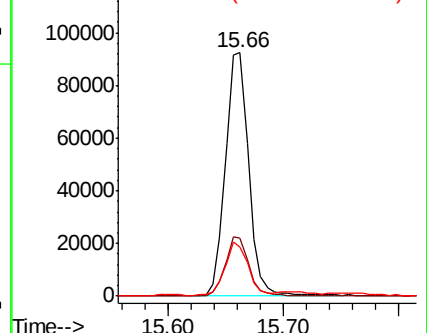
265 20.2 16.7 25.1

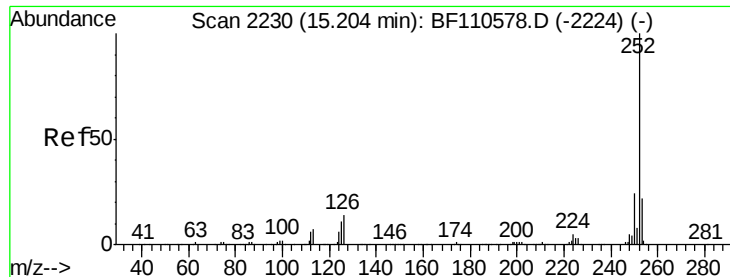


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 15.064 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

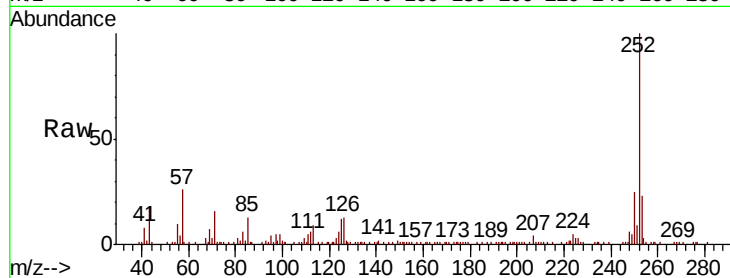
Tgt Ion:252 Resp: 116858

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

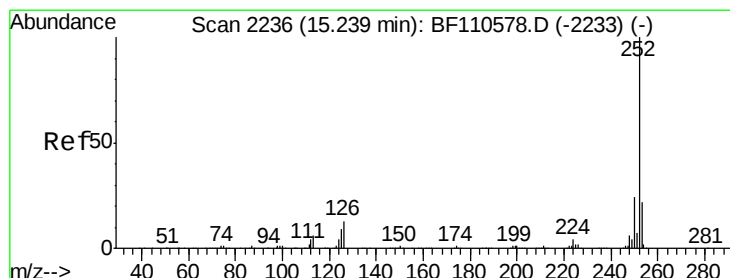
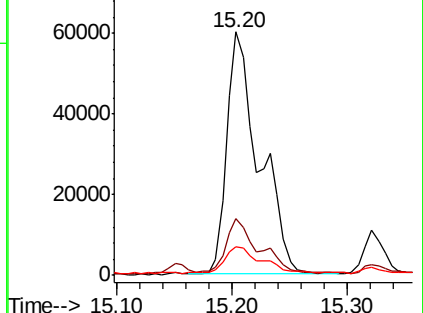
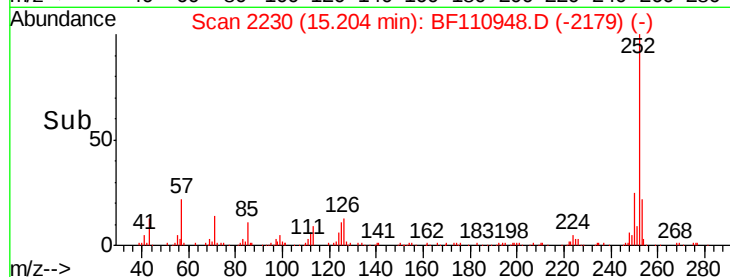
125 11.7 8.2 12.4



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: 15.246 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

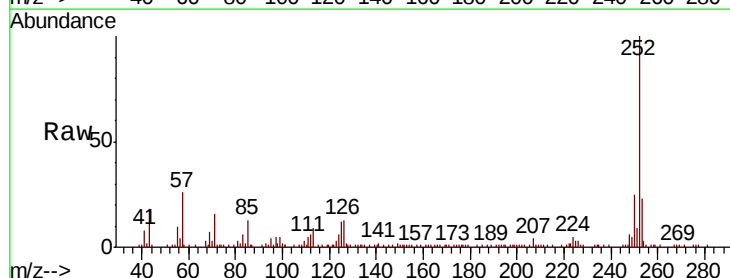
Tgt Ion:252 Resp: 116858

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

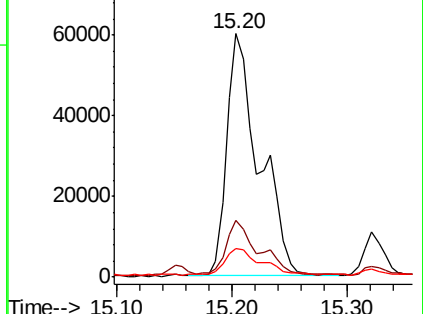
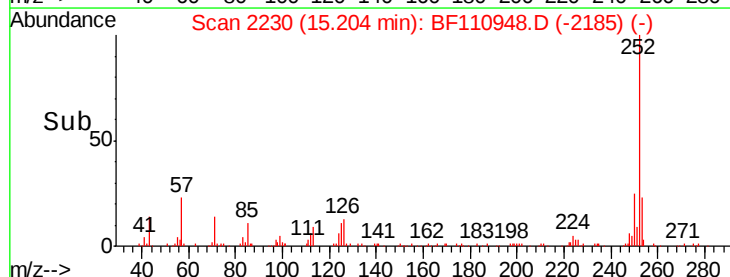
125 11.7 7.4 11.0#

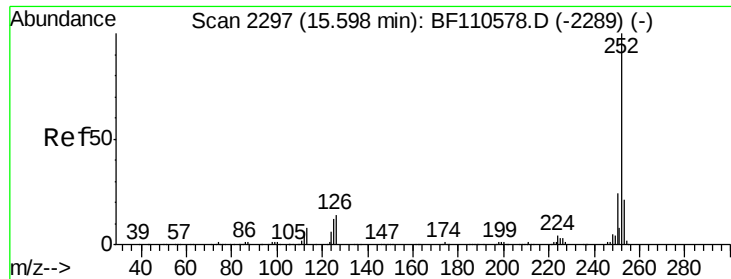


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

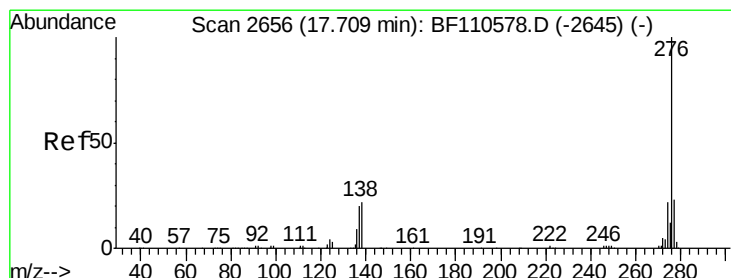
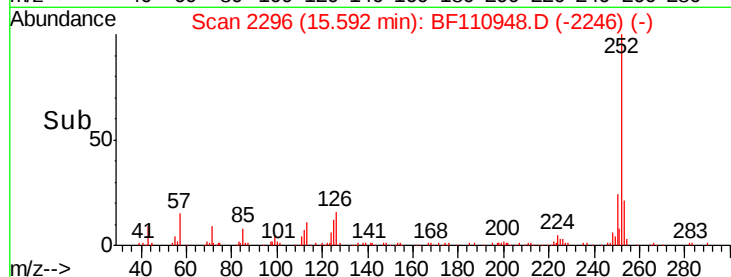
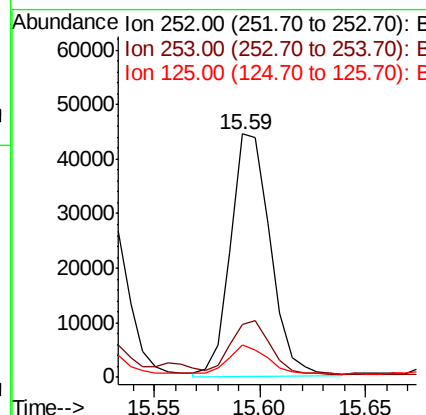
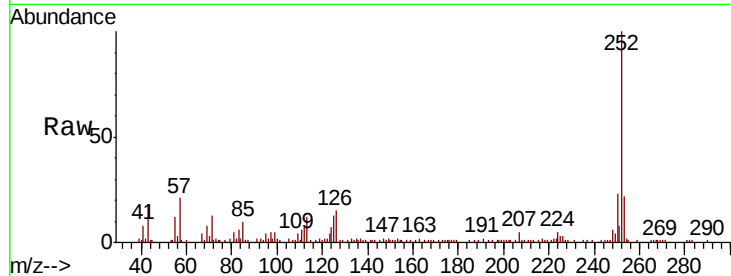




#90
Benzo(a)pyrene
Concen: 8.239 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	13.2	9.0	13.6



#92
Benzo(g,h,i)perylene
Concen: 4.865 ng
RT: 17.73 min Scan# 2660
Delta R.T. 0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	24.5	16.0	24.0

