

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110644.D
 Acq On : 9 Nov 2018 22:58
 Operator : JU/SJ
 Sample : J5860-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:24:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70242	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	288633	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	119011	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	174845	20.00	ng	0.00
76) Chrysene-d12	14.13	240	125242	20.00	ng	0.00
87) Perylene-d12	15.67	264	100468	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	224193	51.84	ng	0.00
7) Phenol-d6	6.56	99	300510	54.34	ng	-0.01
23) Nitrobenzene-d5	7.51	82	182323	36.38	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	52895	44.11	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	353381	42.41	ng	0.00
79) Terphenyl-d14	13.06	244	237501	35.51	ng	0.00

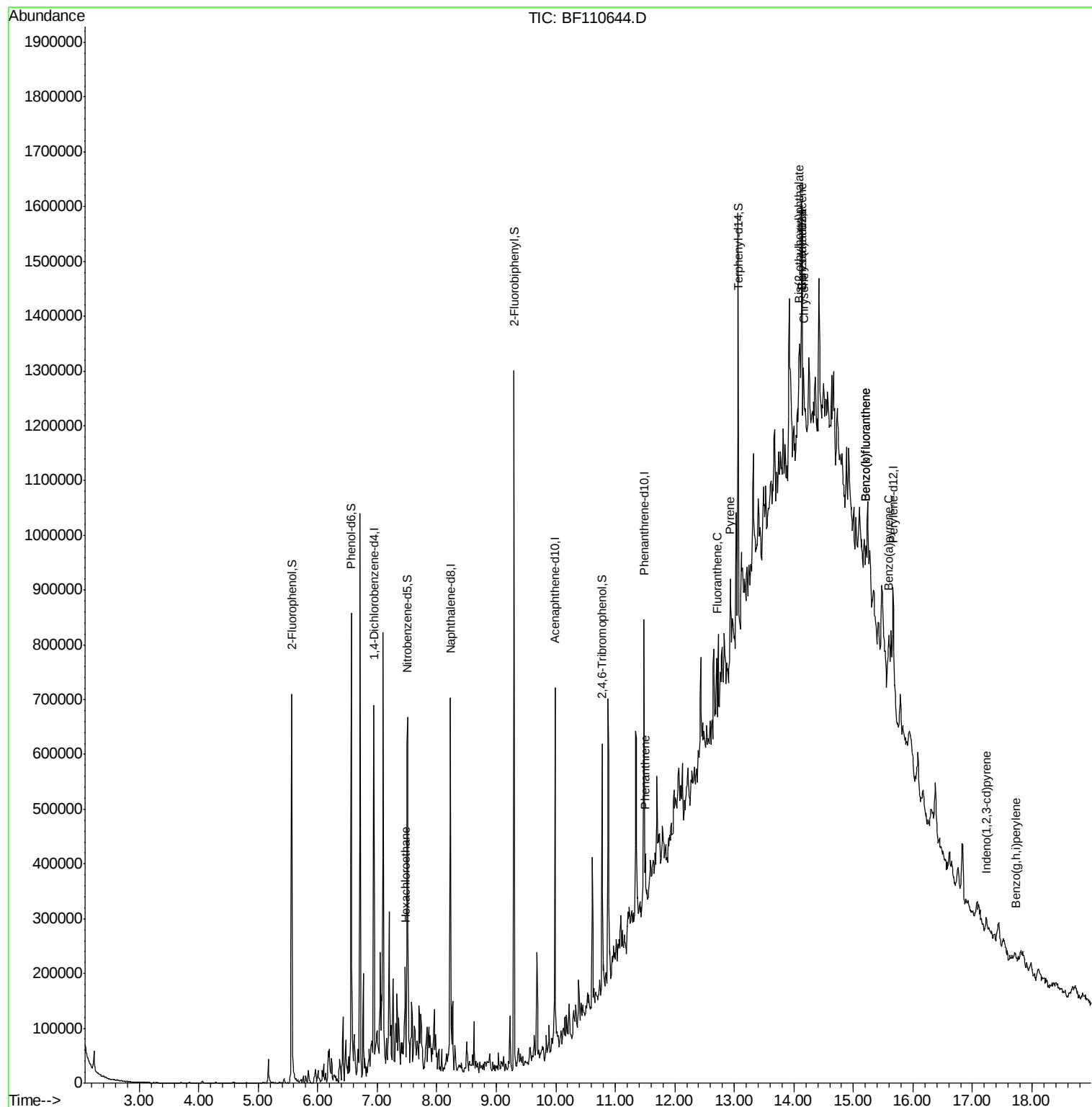
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	980	Below Cal		# 1
18) Hexachloroethane	7.47	117	5006	2.407	ng	# 1
71) Phenanthrene	11.50	178	28374	3.029	ng	# 91
75) Fluoranthene	12.70	202	46433	4.944	ng	95
78) Pyrene	12.93	202	56113	5.819	ng	99
81) Benzo(a)anthracene	14.13	228	20921	2.795	ng	# 89
83) Chrysene	14.16	228	21601	3.029	ng	# 87
84) Bis(2-ethylhexyl)phthalate	14.09	149	33206	6.449	ng	# 85
86) Indeno(1,2,3-cd)pyrene	17.24	276	11860	2.317	ng	95
88) Benzo(b)fluoranthene	15.22	252	35210	5.858	ng	# 36
89) Benzo(k)fluoranthene	15.22	252	35210	5.929	ng	# 38
90) Benzo(a)pyrene	15.60	252	13962	2.557	ng	# 30
92) Benzo(a,h,i)perylene	17.72	276	10736	2.342	ng	# 76

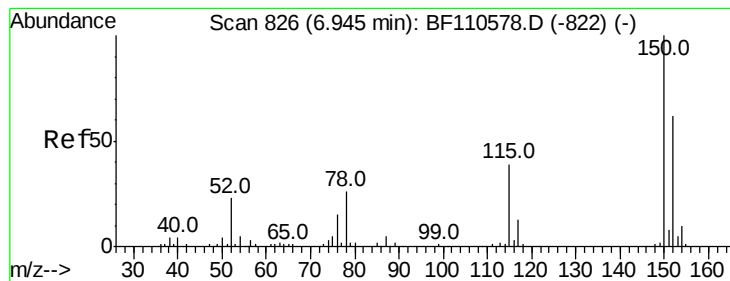
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110644.D
Acq On : 9 Nov 2018 22:58
Operator : JU/SJ
Sample : J5860-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 11 03:24:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 09 15:13:13 2018
Response via : Initial Calibration



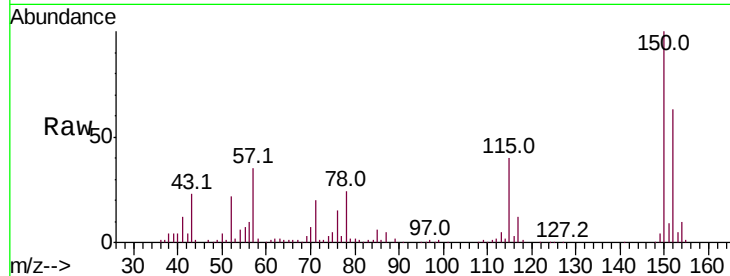


#1

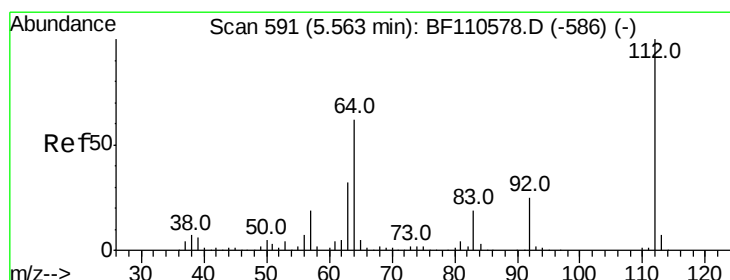
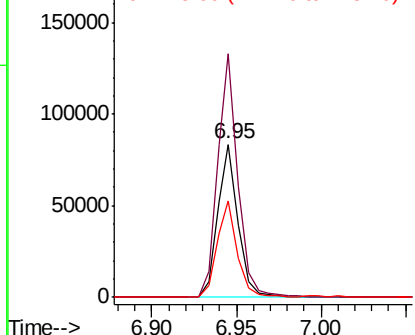
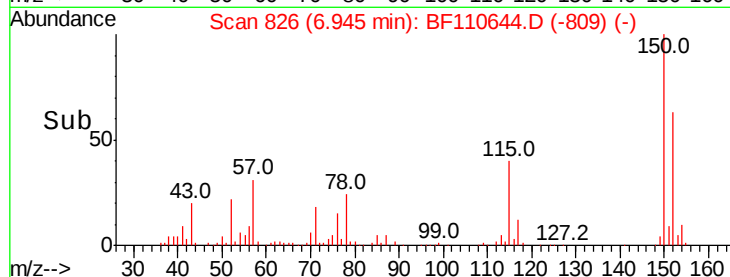
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 70242
 Ion Ratio Lower Upper
 152 100
 150 159.4 122.7 184.1
 115 63.5 49.1 73.7



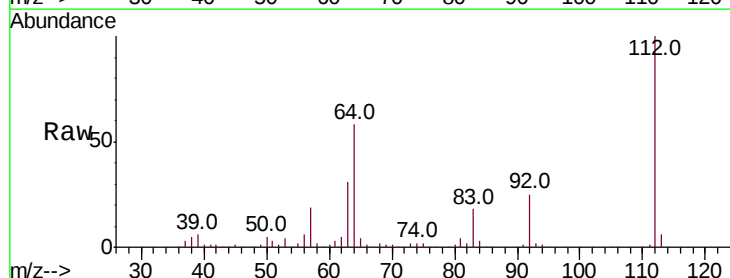
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



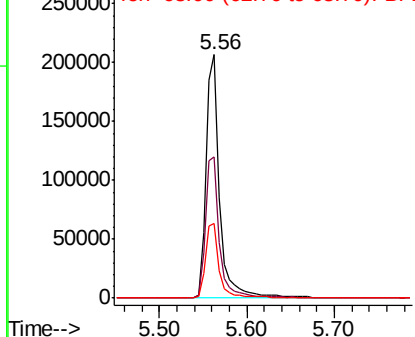
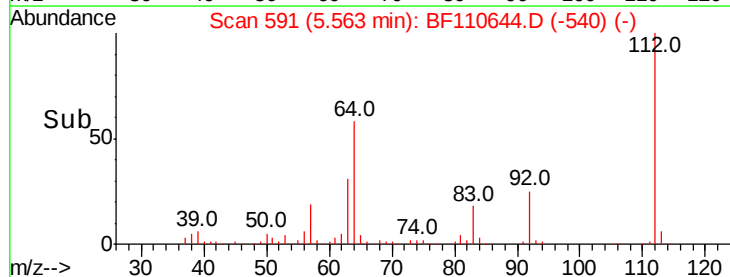
#5

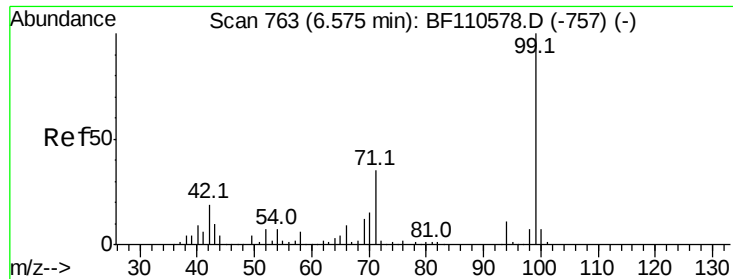
2-Fluorophenol
 Concen: 51.844 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Tgt Ion:112 Resp: 224193
 Ion Ratio Lower Upper
 112 100
 64 58.0 44.1 66.1
 63 30.9 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: 54.343 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampleId :

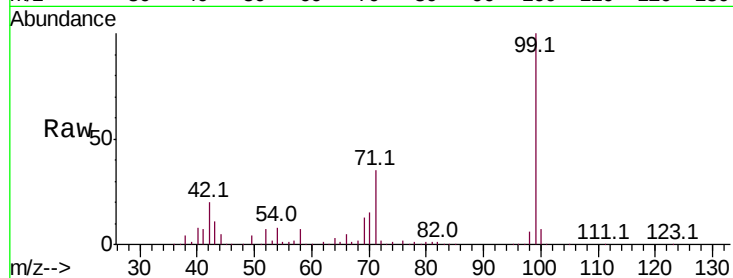
Tot Ion: 99 Resp: 300510

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

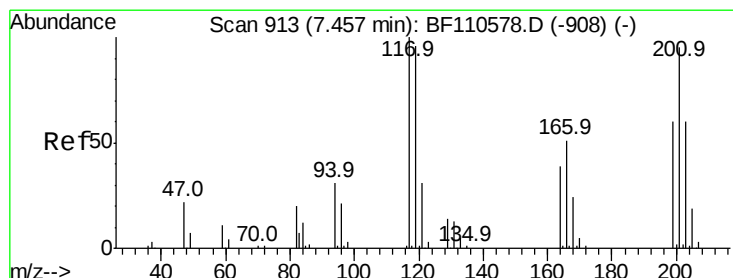
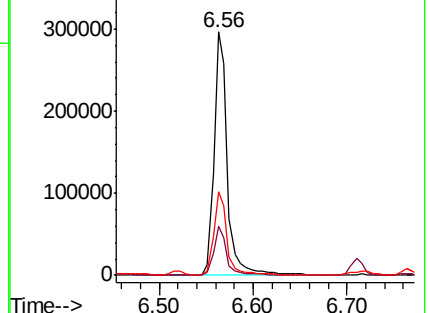
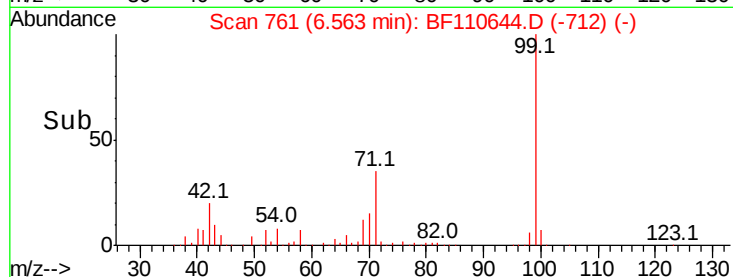
71 34.6 28.0 42.0



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



#18

Hexachloroethane

Concen: 2.407 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

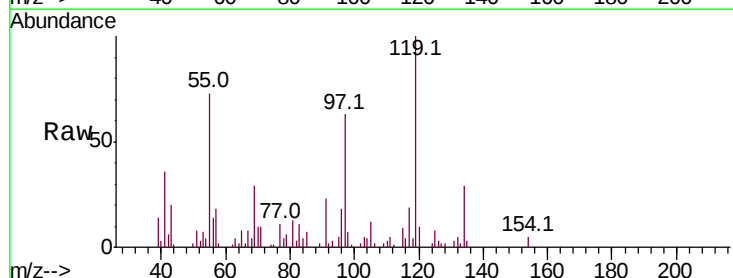
Tgt Ion: 117 Resp: 5006

Ion Ratio Lower Upper

117 100

119 526.6 75.0 112.6#

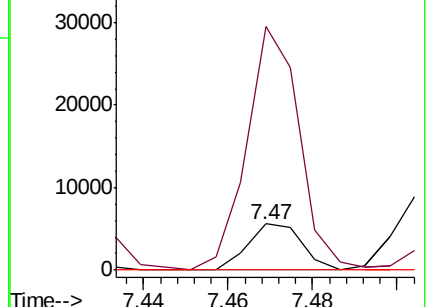
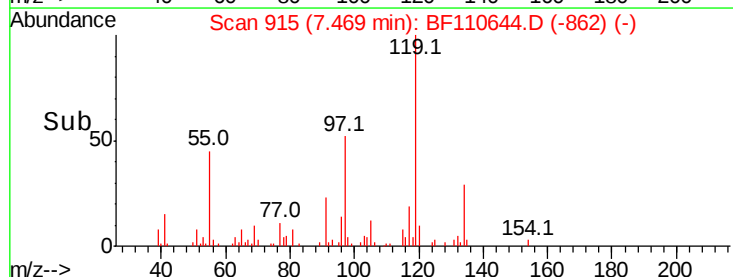
201 0.0 79.2 118.8#

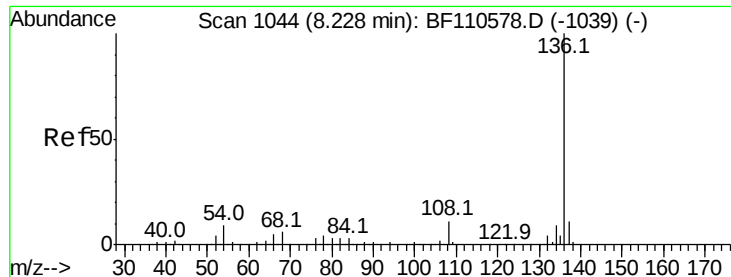


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 288633

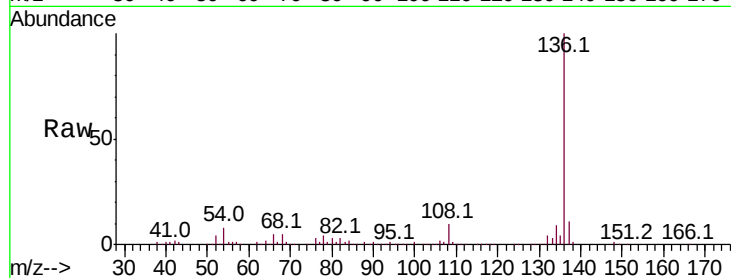
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.6 5.4 8.2

68 5.0 4.2 6.2

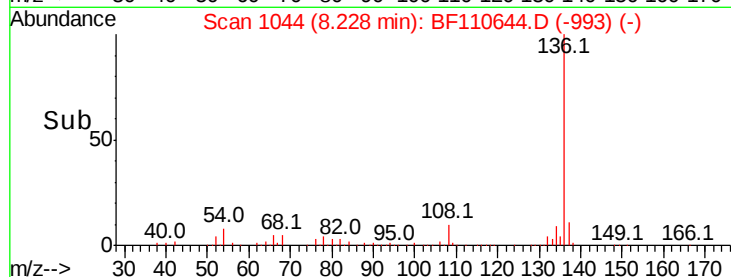


Abundance Ion 136.00 (135.70 to 136.70): E

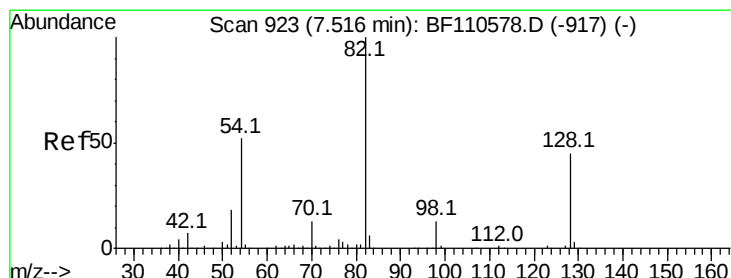
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 36.378 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

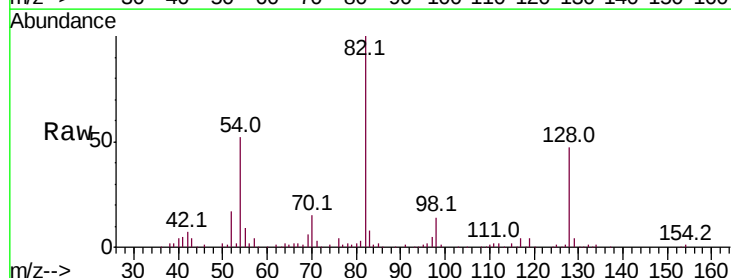
Tgt Ion: 82 Resp: 182323

Ion Ratio Lower Upper

82 100

128 46.9 34.2 51.2

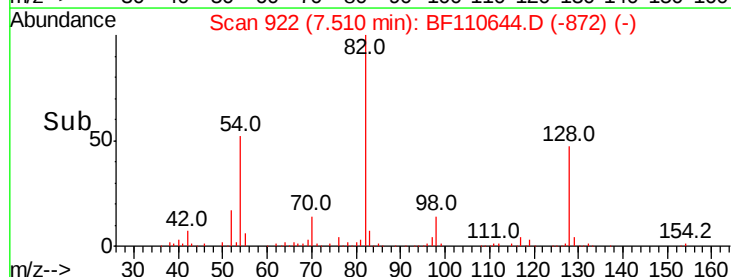
54 51.7 38.6 58.0



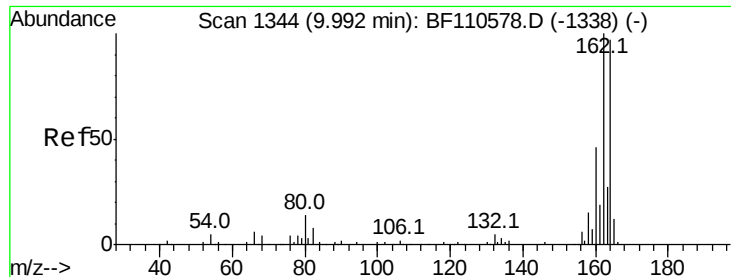
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampleId :

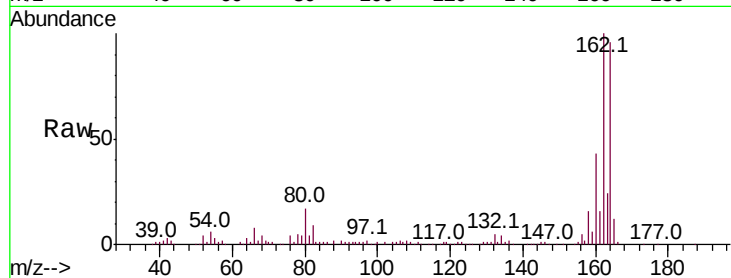
Tot Ion:164 Resp: 119011

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.6

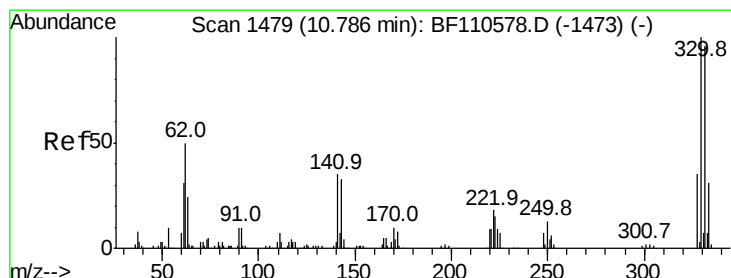
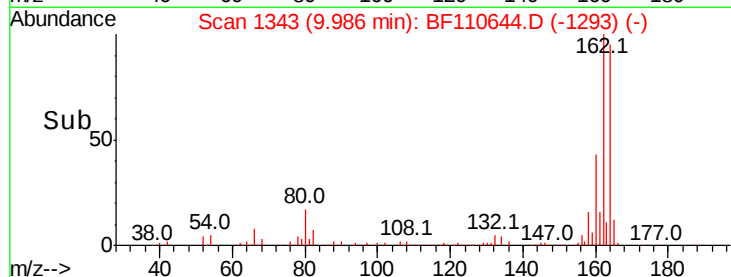
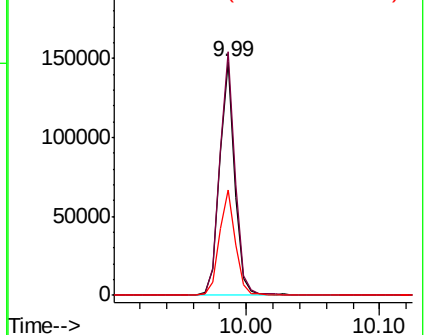
160 45.1 37.0 55.6



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: 44.109 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

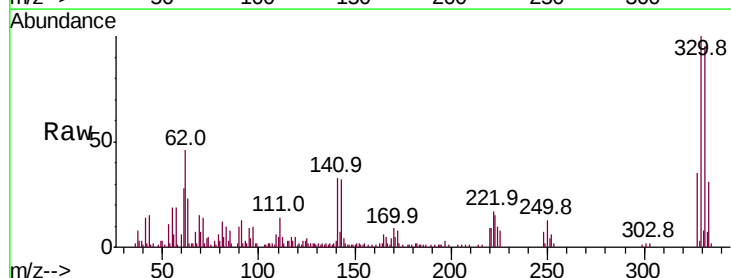
Tgt Ion:330 Resp: 52895

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

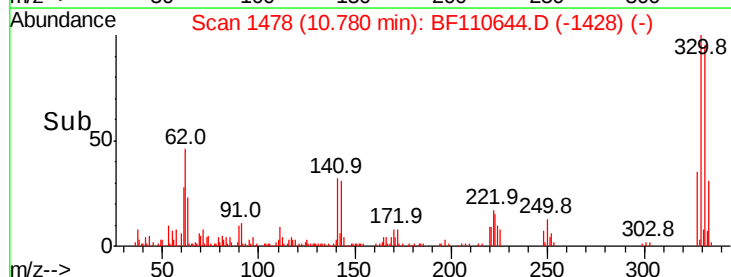
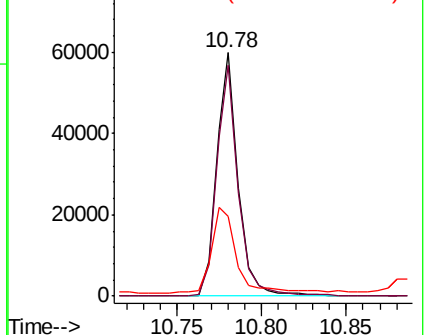
141 41.2 27.0 40.4#

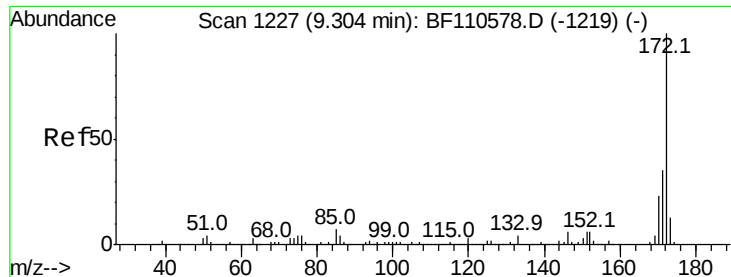


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

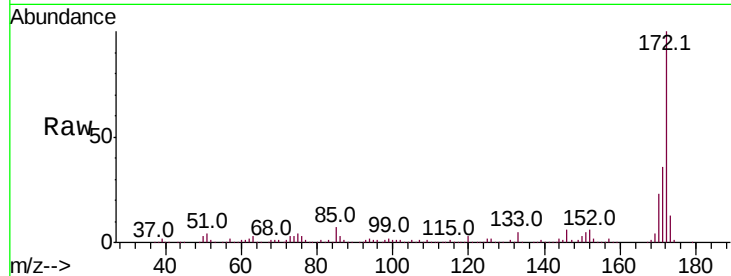




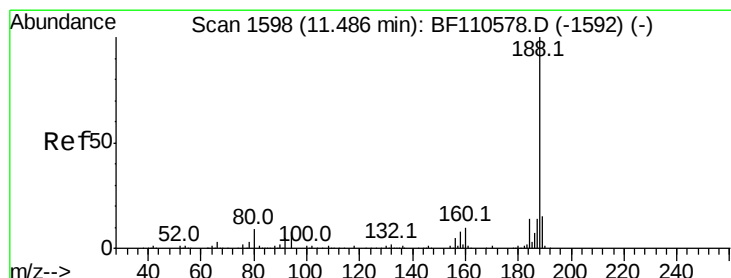
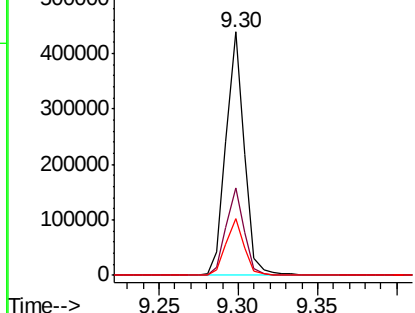
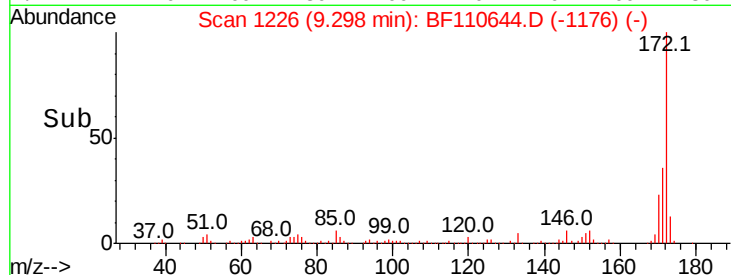
#45
2-Fluorobiphenyl
Concen: 42.407 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 353381
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.2 19.7 29.5

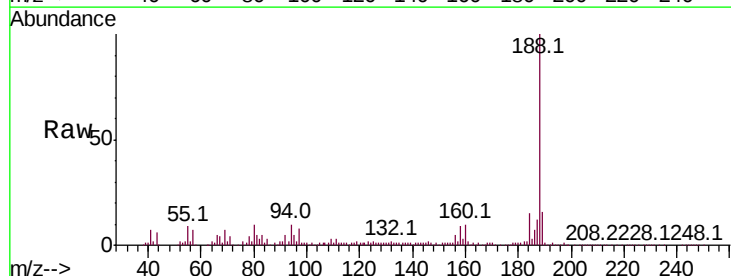


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

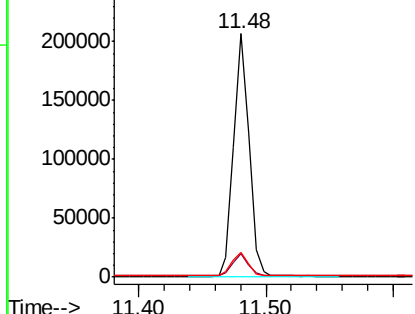
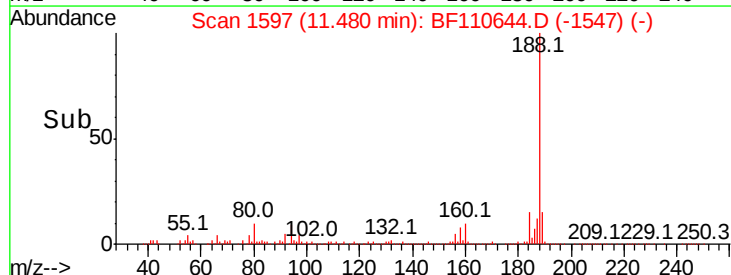


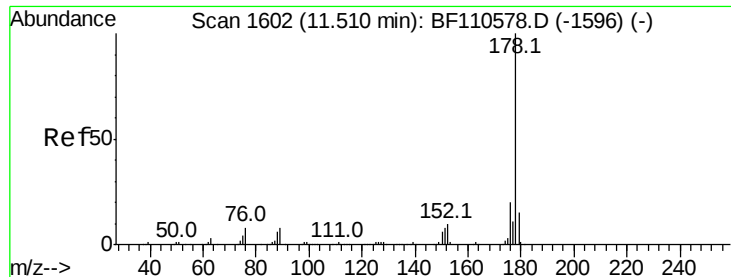
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion:188 Resp: 174845
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.1 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

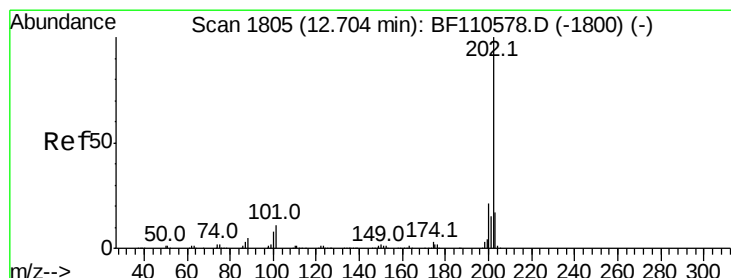
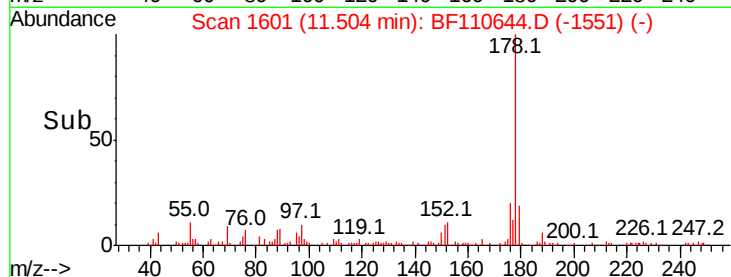
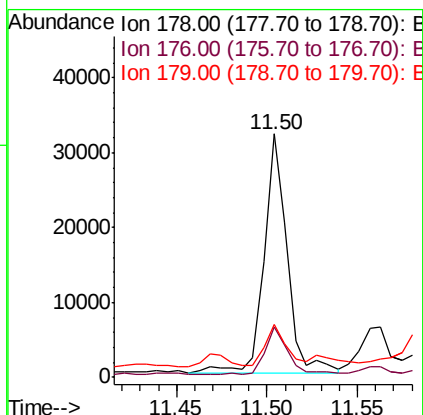
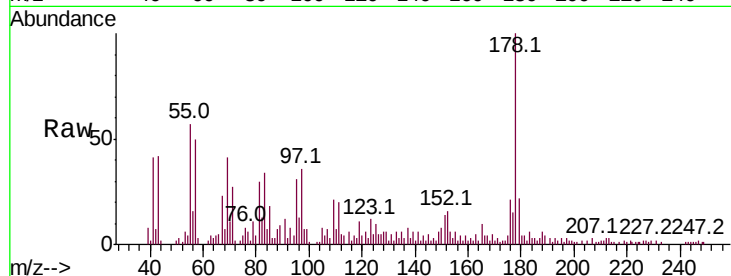




#71
Phenanthrene
Concen: 3.029 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

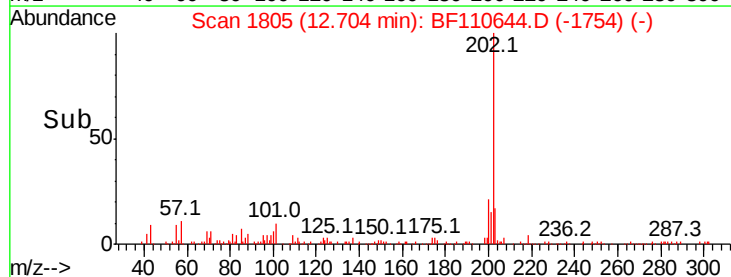
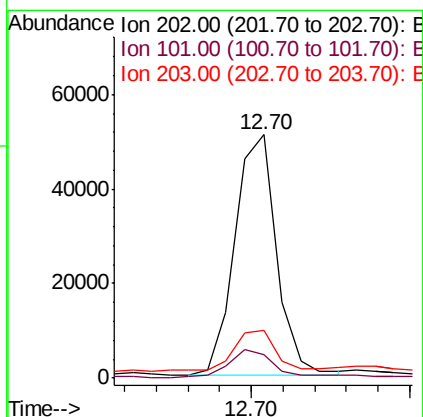
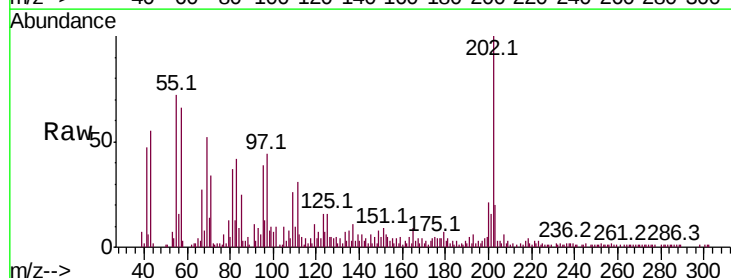
Instrument :
BNA_F
ClientSampleId :

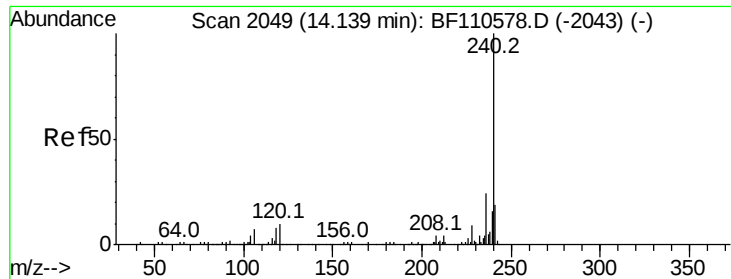
Tot Ion:178 Resp: 28374
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 21.9 12.5 18.7#



#75
Fluoranthene
Concen: 4.944 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion:202 Resp: 46433
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 19.8 0.0 37.7

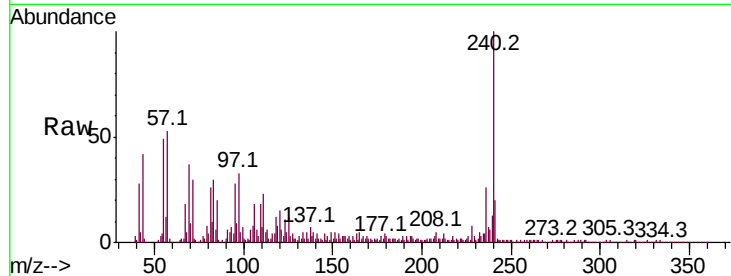




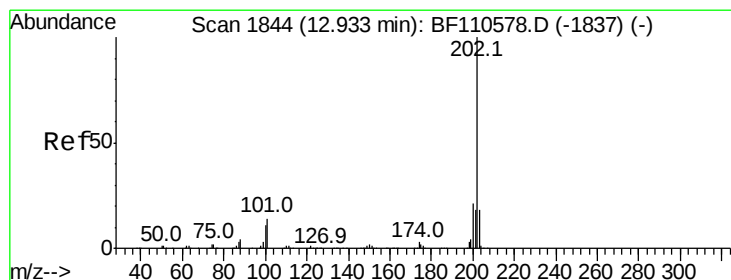
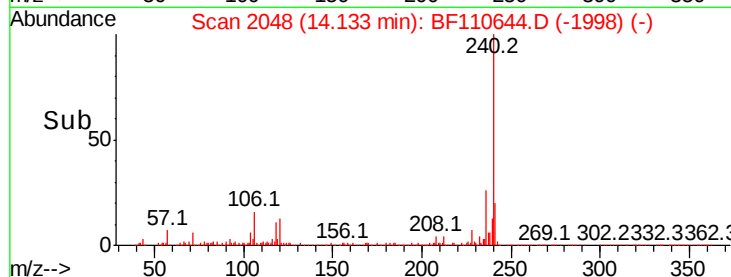
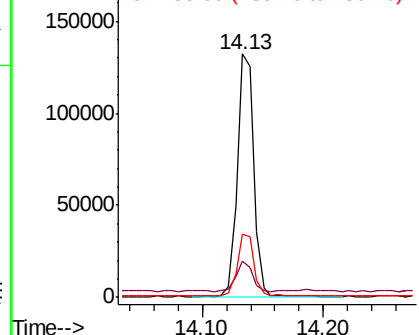
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 125242
 Ion Ratio Lower Upper
 240 100
 120 15.0 8.3 12.5#
 236 26.1 21.2 31.8

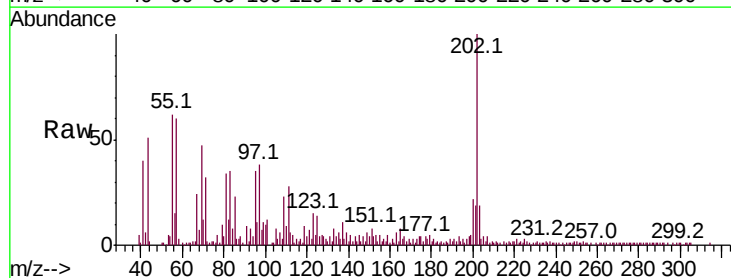


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

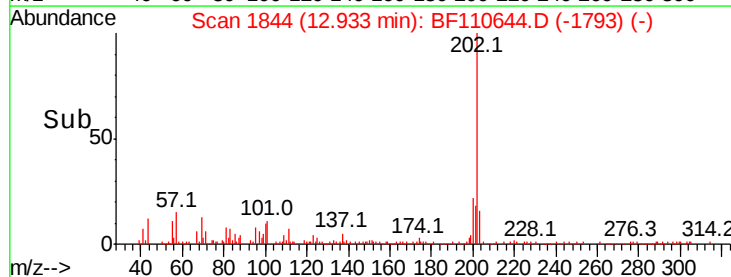
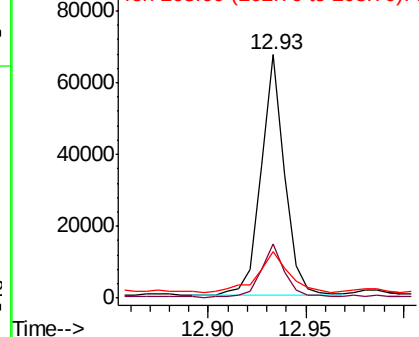


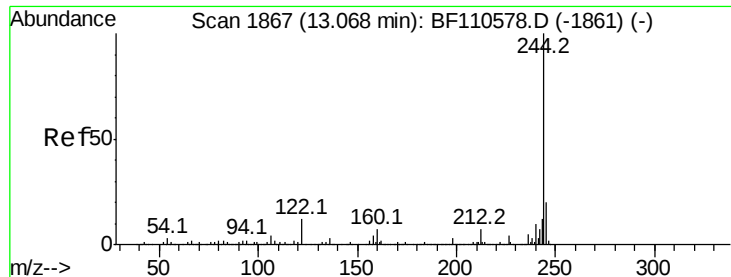
#78
 Pyrene
 Concen: 5.819 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Tgt Ion:202 Resp: 56113
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.8 26.6
 203 18.9 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

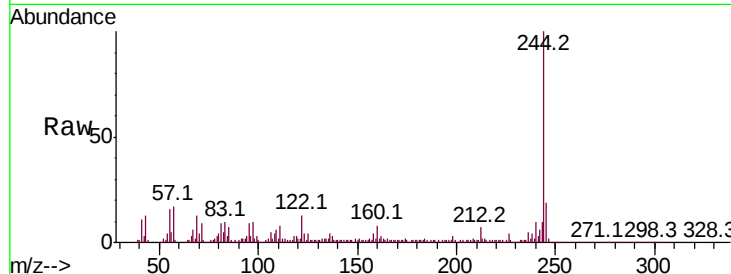




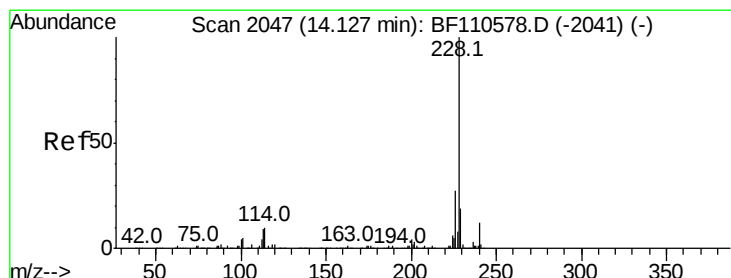
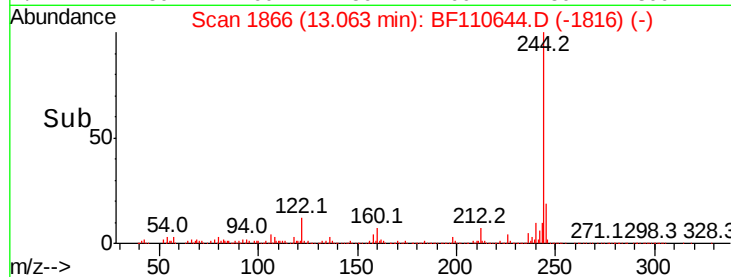
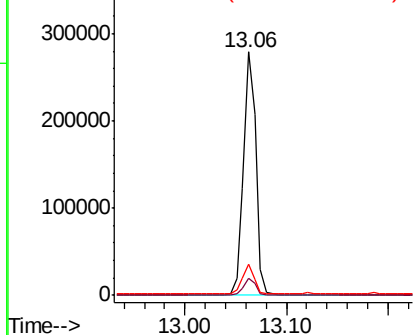
#79
 Terphenyl-d14
 Concen: 35.514 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 237501
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 12.6 8.7 13.1

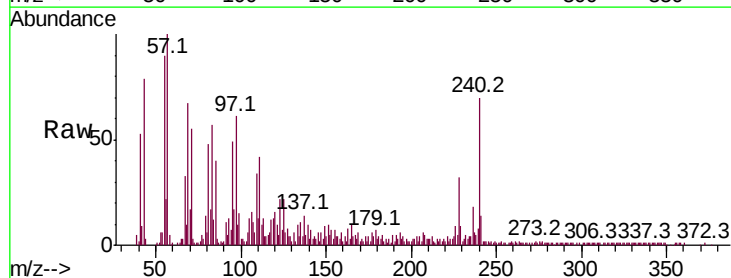


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

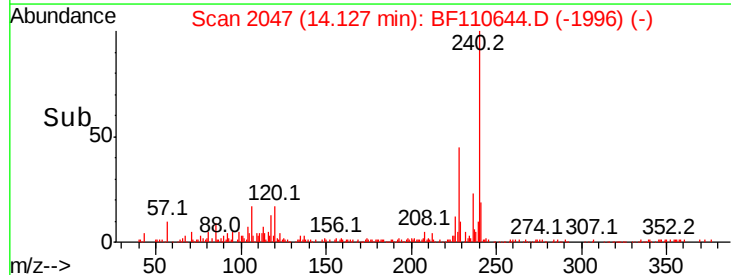
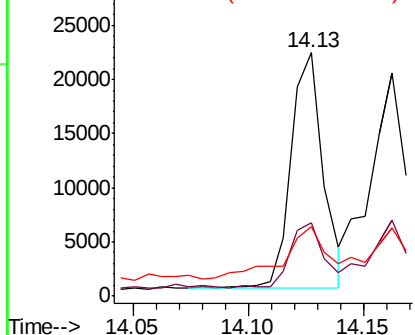


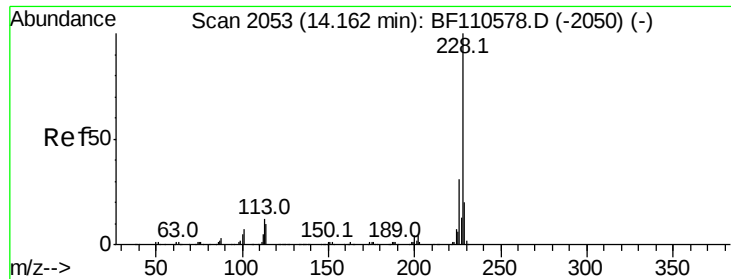
#81
 Benzo(a)anthracene
 Concen: 2.795 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Tgt Ion:228 Resp: 20921
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.1 33.1
 229 28.5 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: 3.029 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampleId :

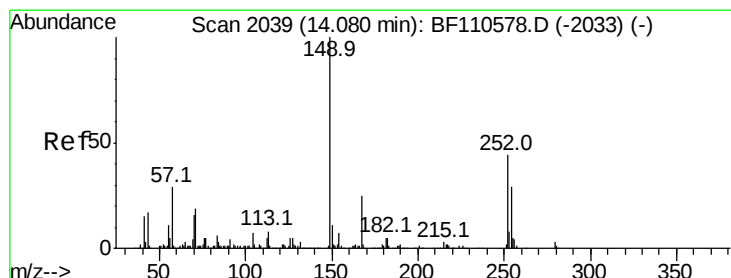
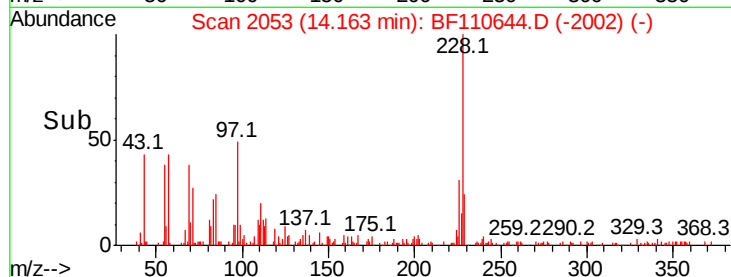
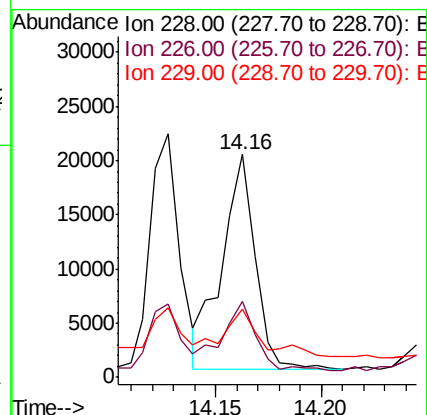
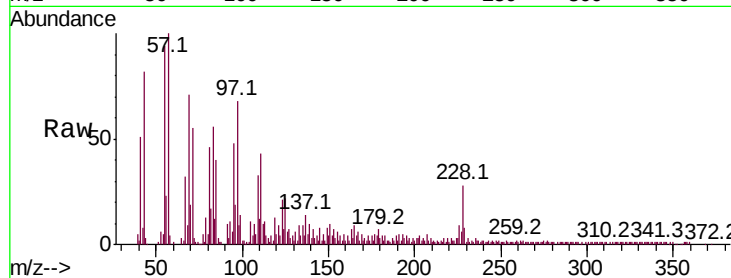
Tot Ion:228 Resp: 21601

Ion Ratio Lower Upper

228 100

226 34.3 24.7 37.1

229 30.4 15.9 23.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.449 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

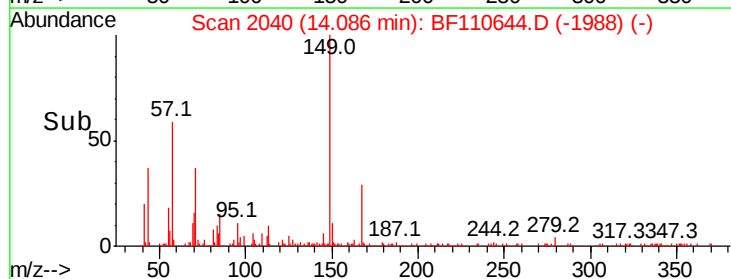
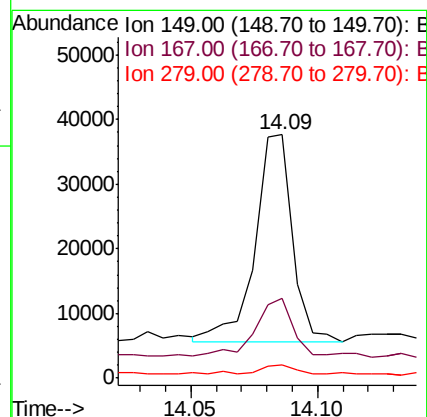
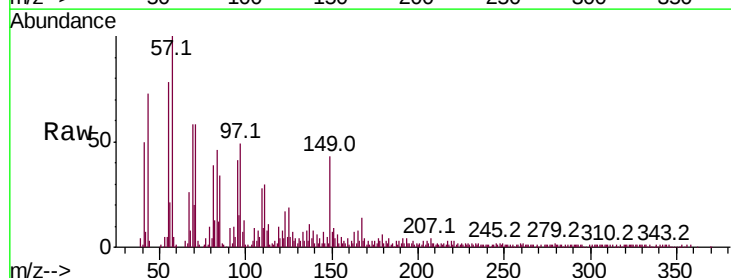
Tgt Ion:149 Resp: 33206

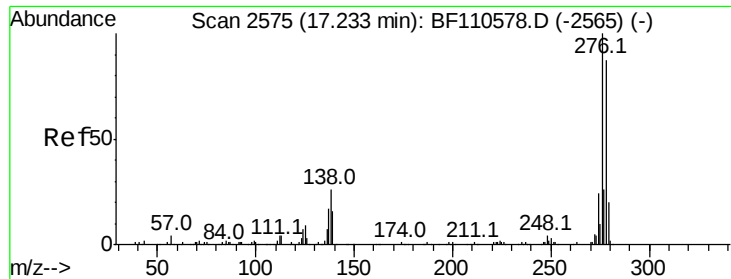
Ion Ratio Lower Upper

149 100

167 32.7 19.8 29.8#

279 5.5 2.7 4.1#





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.317 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampleId :

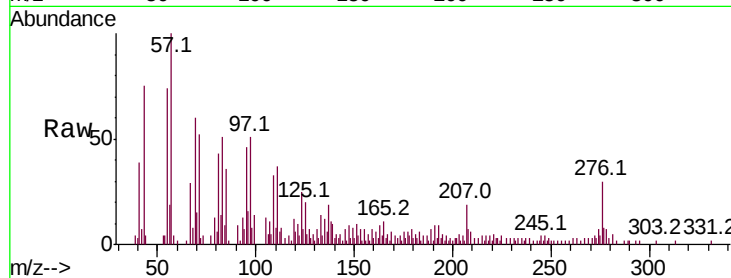
Tot Ion:276 Resp: 11860

Ion Ratio Lower Upper

276 100

138 24.4 18.5 27.7

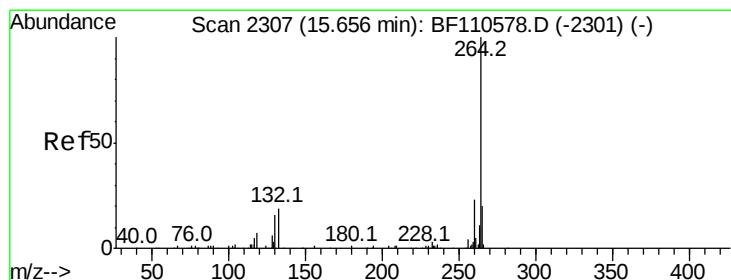
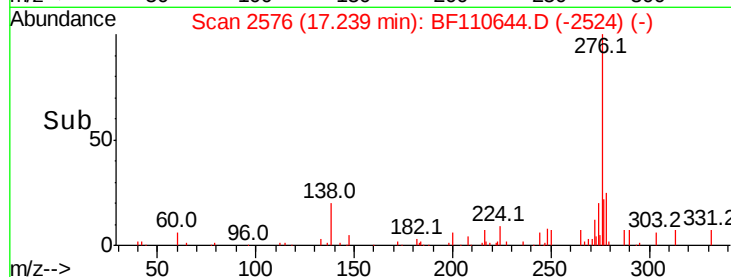
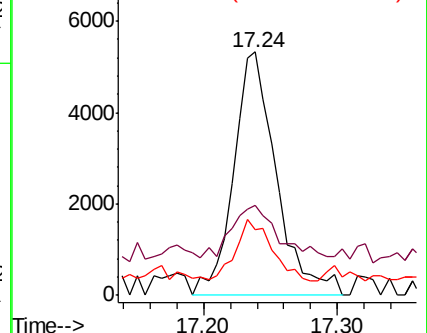
277 21.1 20.0 30.0



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: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

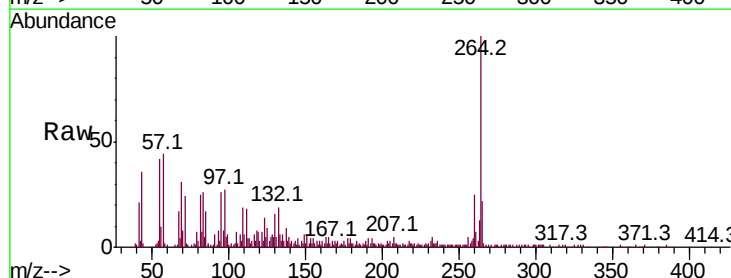
Tgt Ion:264 Resp: 100468

Ion Ratio Lower Upper

264 100

260 25.1 18.7 28.1

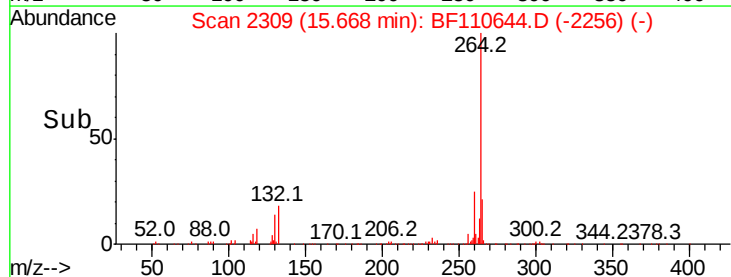
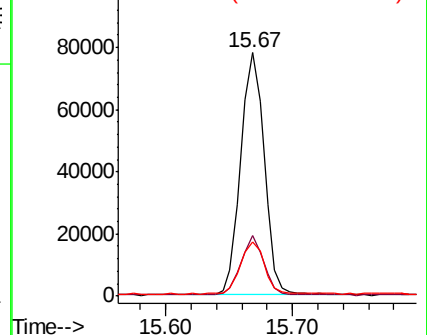
265 22.1 16.7 25.1

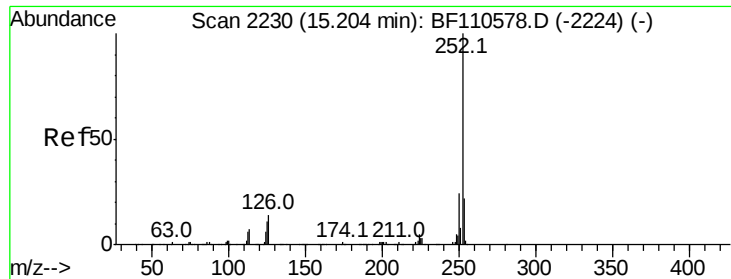


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

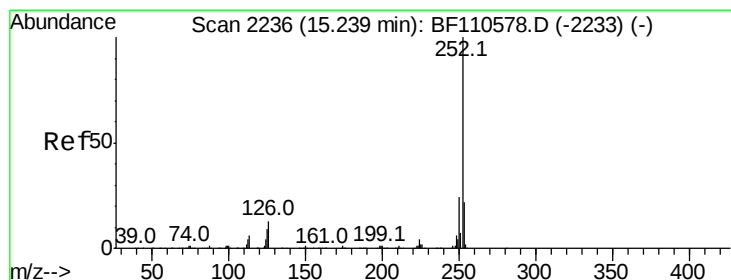
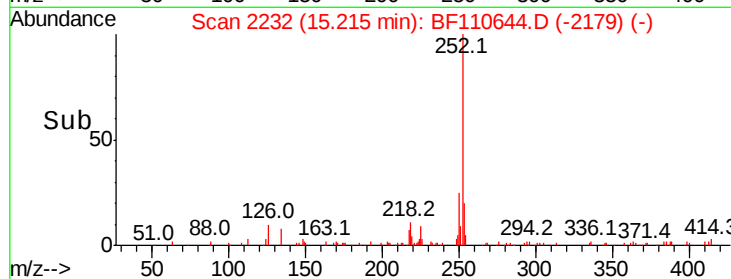
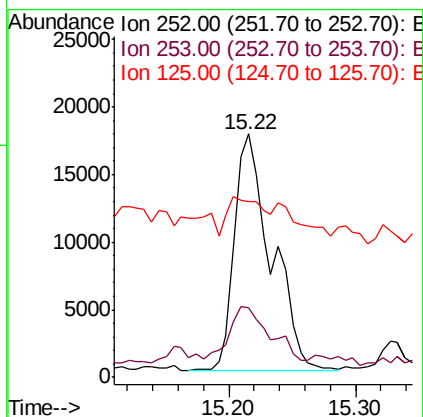
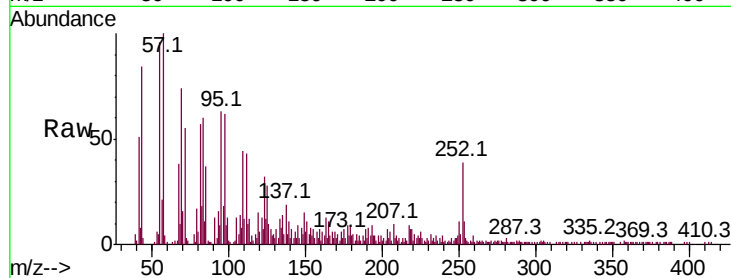




#88
Benzo(b)fluoranthene
Concen: 5.858 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

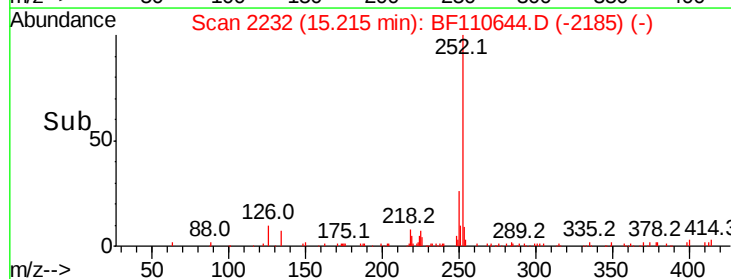
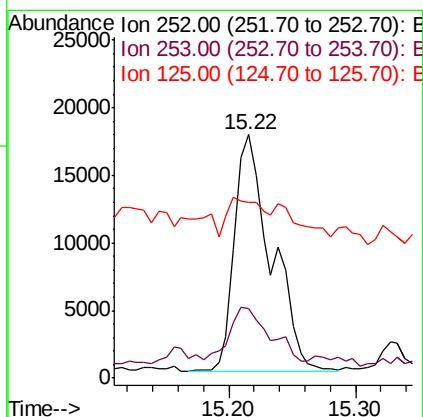
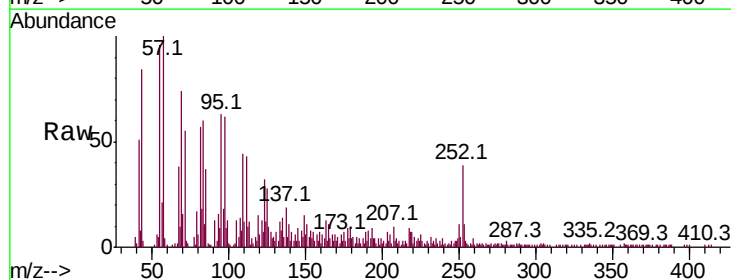
Instrument :
BNA_F
ClientSampled :

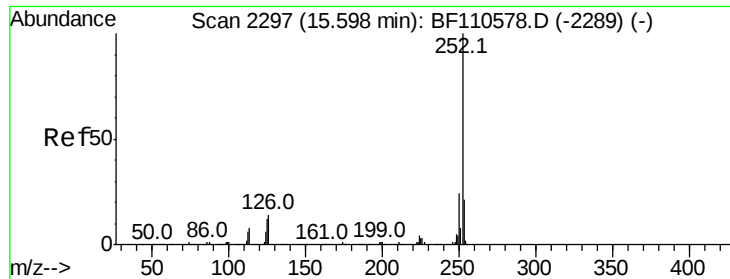
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.2	25.8#
125	72.2	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 5.929 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.2	25.8#
125	72.2	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.557 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

ClientSampleId :

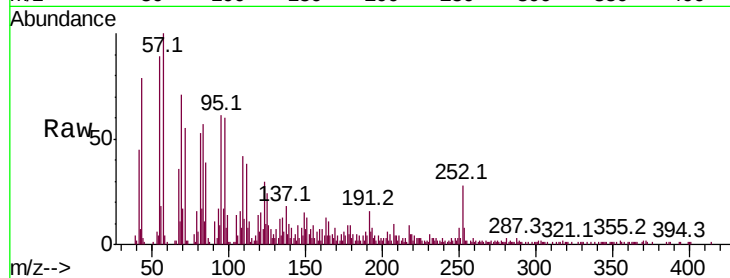
Tot Ion:252 Resp: 13962

Ion Ratio Lower Upper

252 100

253 27.7 18.2 27.4#

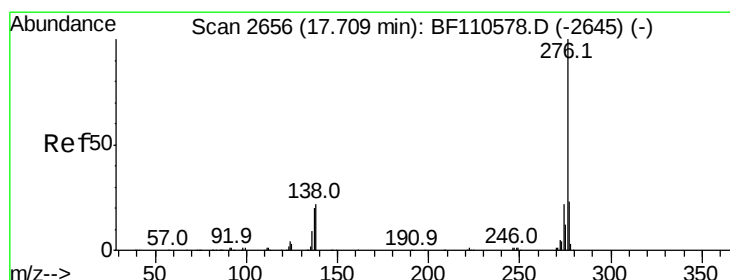
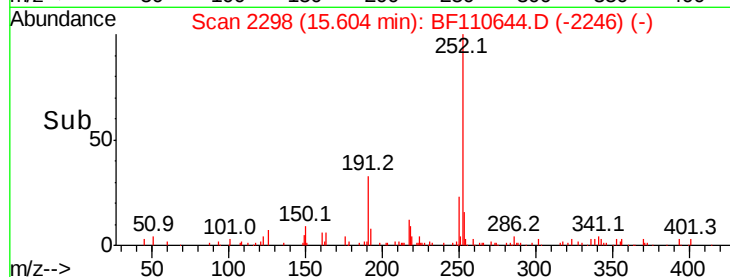
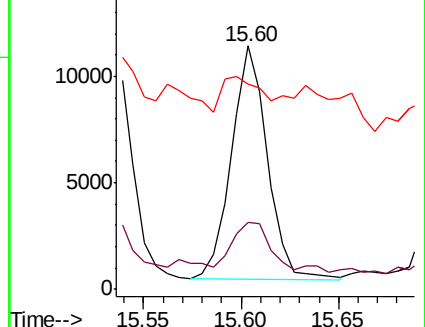
125 84.5 9.0 13.6#



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



#92

Benzo(g,h,i)perylene

Concen: 2.342 ng

RT: 17.72 min Scan# 2658

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

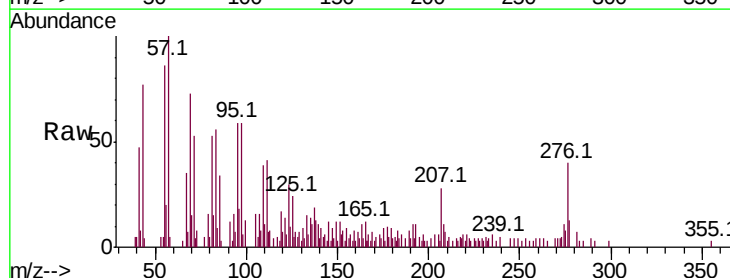
Tgt Ion:276 Resp: 10736

Ion Ratio Lower Upper

276 100

277 33.1 18.8 28.2#

138 33.6 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

