

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111930.D
 Acq On : 9 Jan 2019 1:45
 Operator : JU/SJ
 Sample : K1044-07 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 03:10:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	115813	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	372048	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	188887	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	285000	20.00	ng	0.00
76) Chrysene-d12	14.07	240	185298	20.00	ng	0.02
87) Perylene-d12	15.58	264	158188	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	87464	12.92	ng	0.00
7) Phenol-d6	6.53	99	99881	11.45	ng	0.00
23) Nitrobenzene-d5	7.44	82	51952	7.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	22831	9.29	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	93772	7.24	ng	-0.01
79) Terphenyl-d14	13.00	244	82369	8.44	ng	0.00

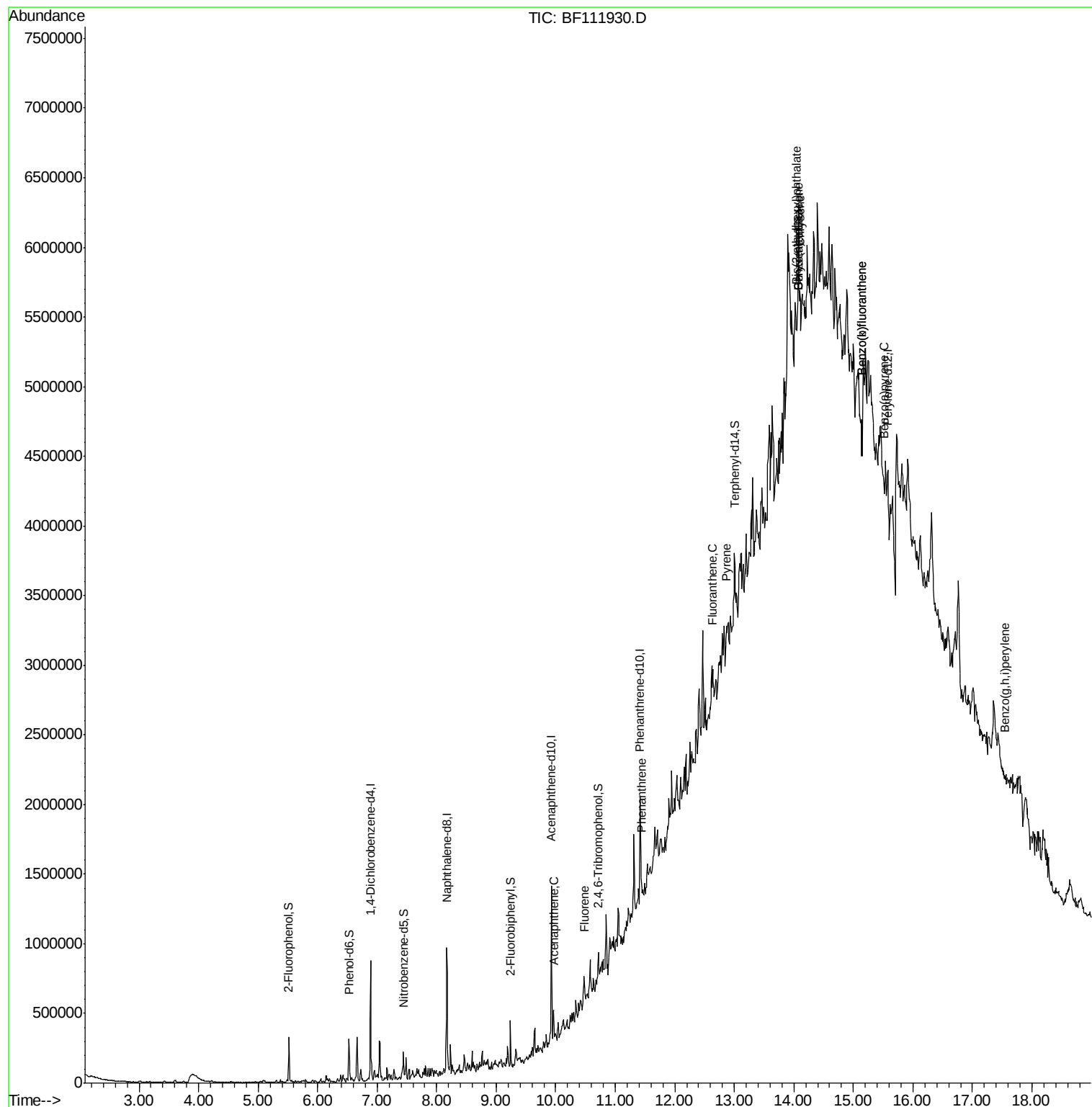
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	1257	Below Cal		# 1
52) Acenaphthene	9.96	154	32626	2.760	ng	# 98
58) Fluorene	10.47	166	25882	2.069	ng	# 89
71) Phenanthrene	11.44	178	35878	2.355	ng	# 80
75) Fluoranthene	12.64	202	107144	6.849	ng	# 93
78) Pyrene	12.87	202	99343	7.792	ng	# 93
81) Benzo(a)anthracene	14.06	228	34237	3.210	ng	# 64
83) Chrysene	14.10	228	39268	3.862	ng	# 63
84) Bis(2-ethylhexyl)phthalate	14.05	149	15007	2.120	ng	# 49
88) Benzo(b)fluoranthene	15.14	252	39469	4.171	ng	# 1
89) Benzo(k)fluoranthene	15.14	252	39469	4.437	ng	# 1
90) Benzo(a)pyrene	15.52	252	22241	2.673	ng	# 1
92) Benzo(a,h,i)perylene	17.55	276	14219	2.172	ng	# 17

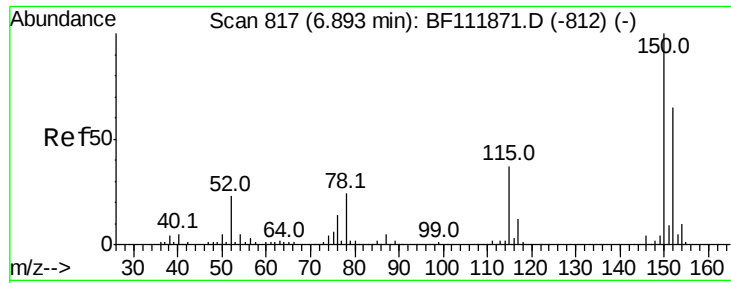
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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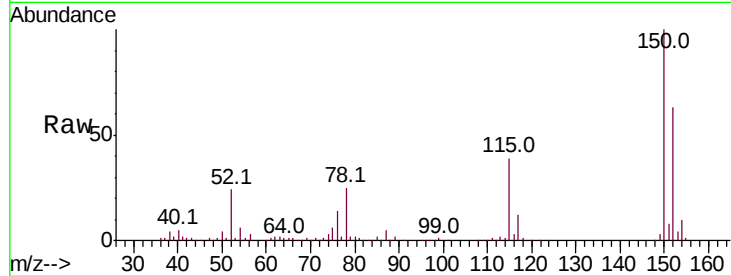


#1

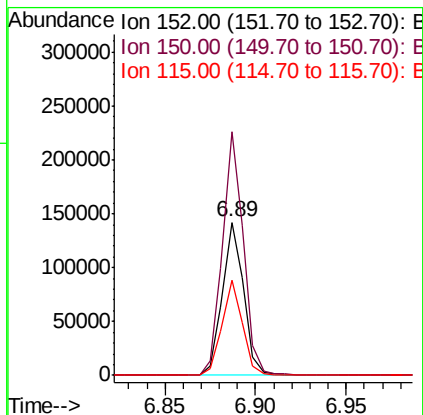
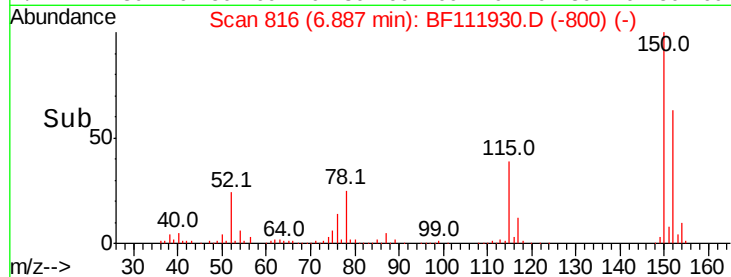
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115813
Ion Ratio Lower Upper
152 100
150 158.7 122.7 184.1
115 61.9 45.2 67.8



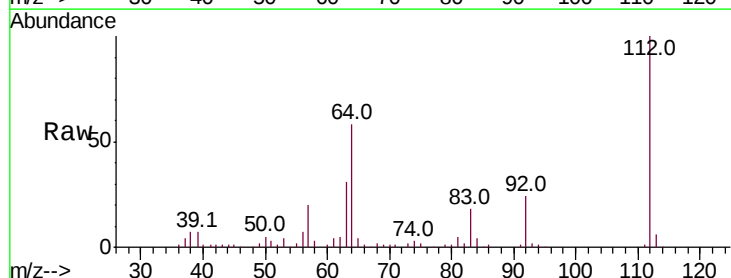
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



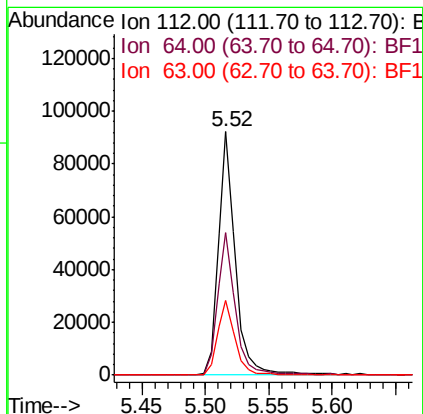
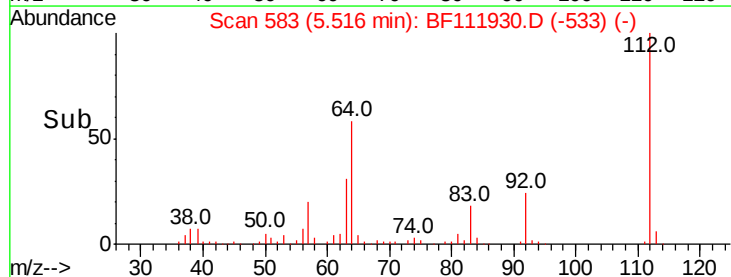
#5

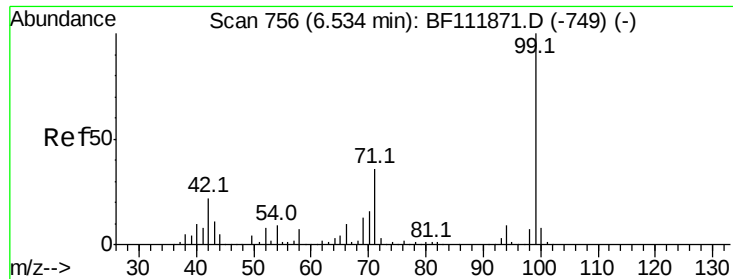
2-Fluorophenol
Concen: 12.920 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Tgt Ion:112 Resp: 87464
Ion Ratio Lower Upper
112 100
64 58.5 48.3 72.5
63 30.5 26.1 39.1



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: 11.448 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampled :

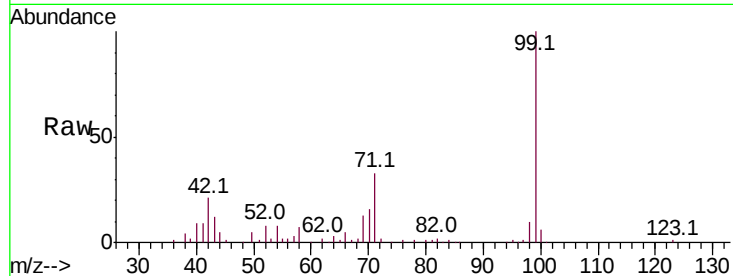
Tot Ion: 99 Resp: 99881

Ion Ratio Lower Upper

99 100

42 20.9 17.9 26.9

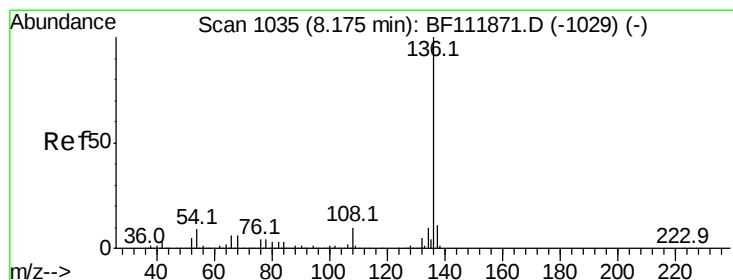
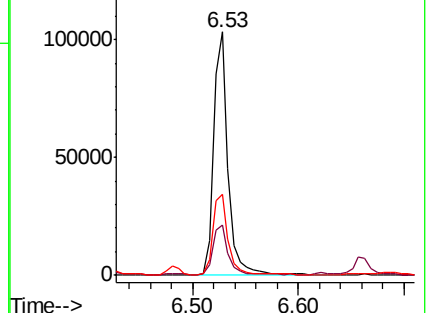
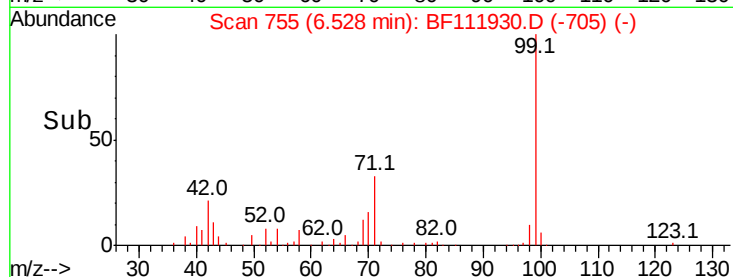
71 33.1 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Tgt Ion: 136 Resp: 372048

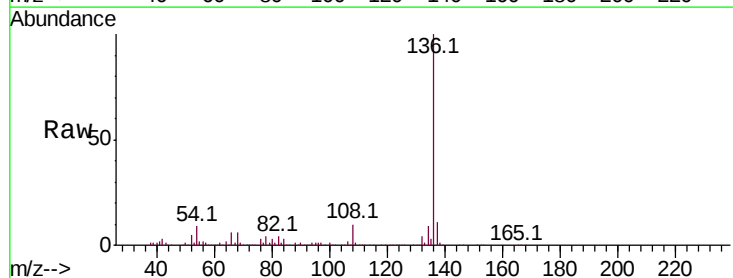
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.1 7.2 10.8

68 5.8 4.4 6.6

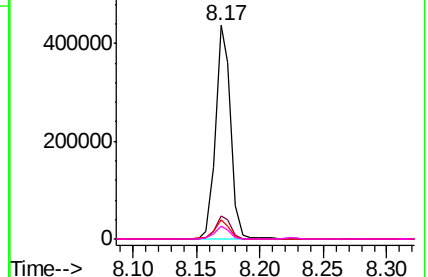
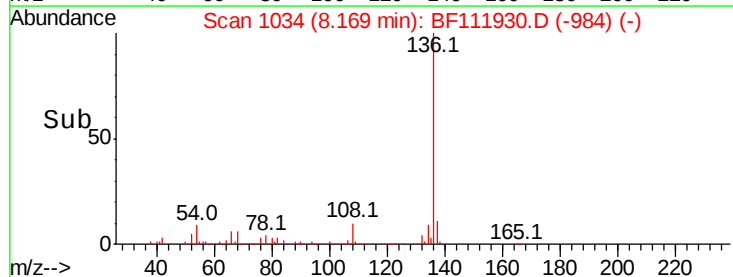


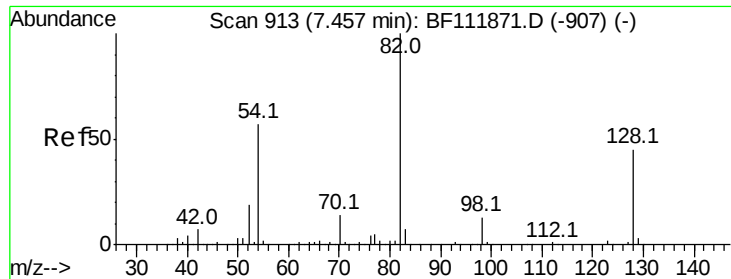
Abundance Ion 136.00 (135.70 to 136.70): E

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

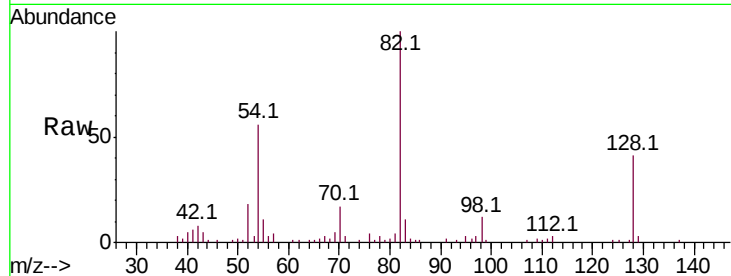




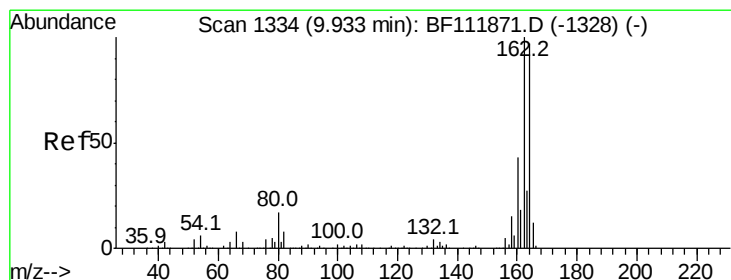
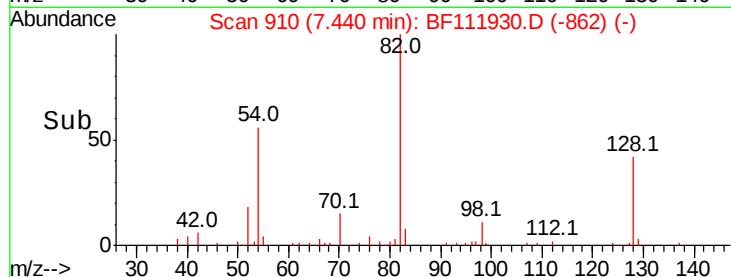
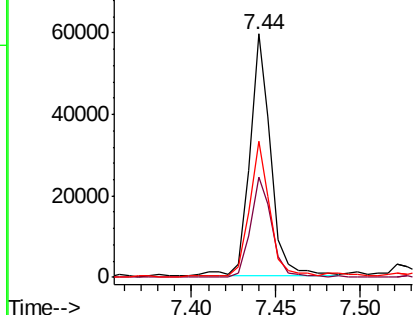
#23
 Nitrobenzene-d5
 Concen: 7.463 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111930.D
 Acq: 9 Jan 2019 1:45

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	51952
Ion Ratio	Lower	Upper	
82	100		
128	41.4	35.7	53.5
54	56.0	45.8	68.8

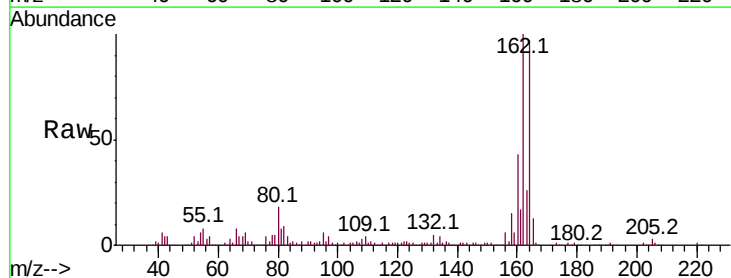


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

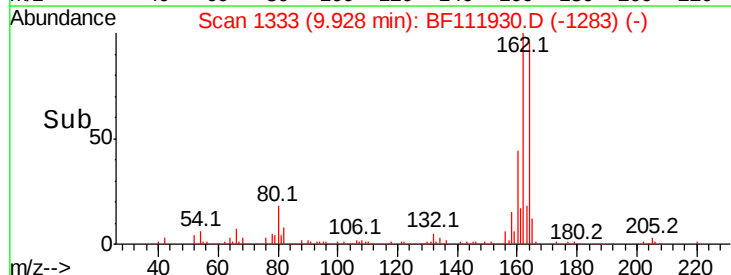
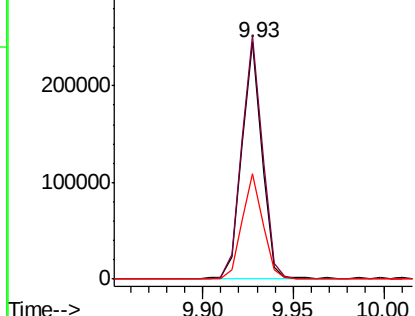


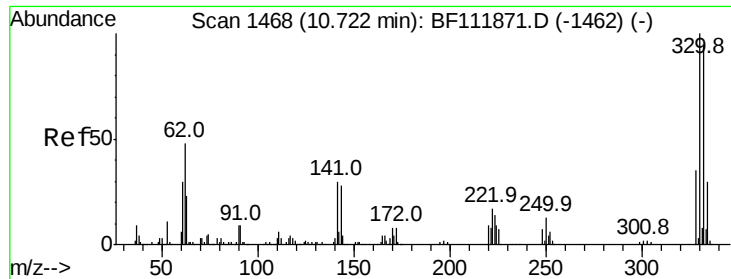
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF111930.D
 Acq: 9 Jan 2019 1:45

Tgt Ion	164	Resp	188887
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.2	123.2
160	44.6	35.5	53.3



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

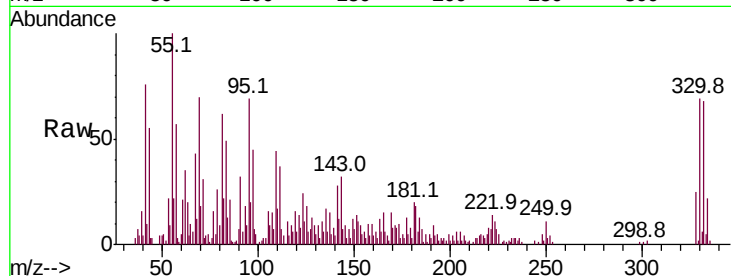




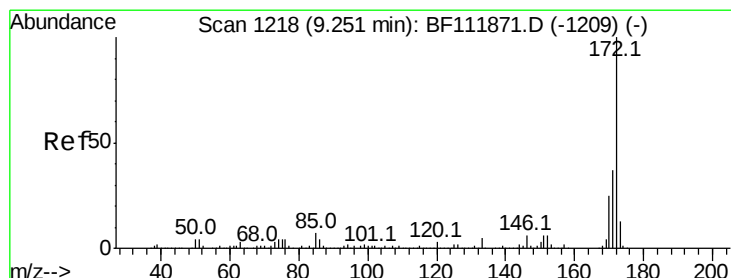
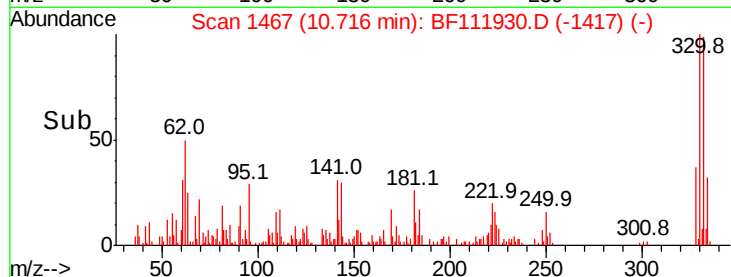
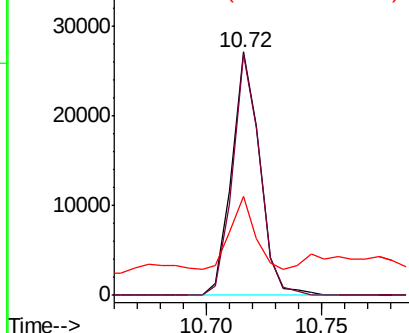
#42
2,4,6-Tribromophenol
Concen: 9.293 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 22831
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 26.2 23.7 35.5

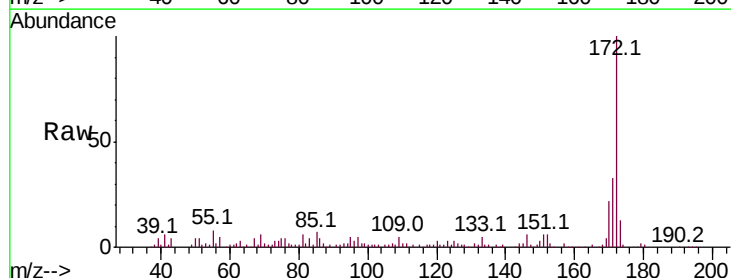


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

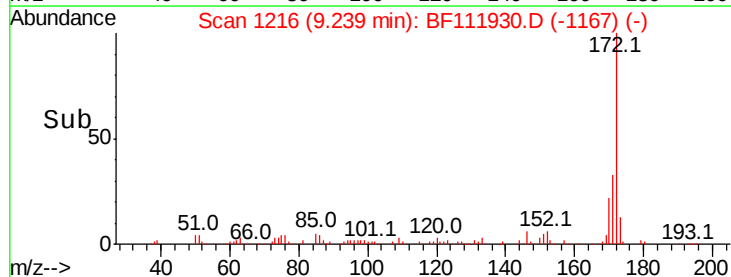
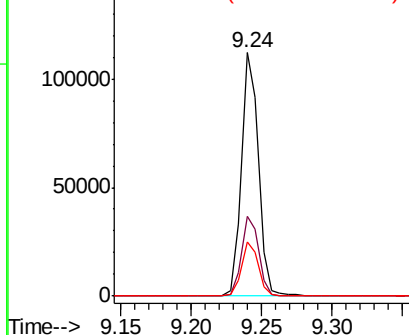


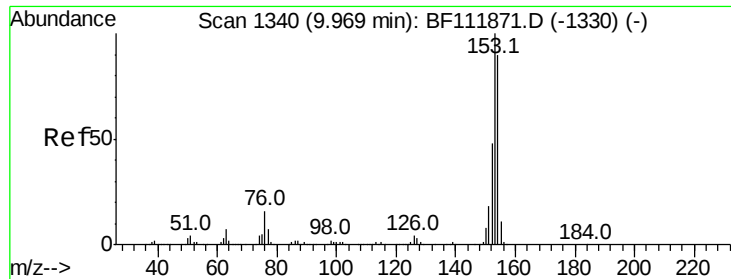
#45
2-Fluorobiphenyl
Concen: 7.239 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Tgt Ion:172 Resp: 93772
Ion Ratio Lower Upper
172 100
171 32.6 29.6 44.4
170 22.4 19.8 29.8



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





#52

Acenaphthene

Concen: 2.760 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampleId :

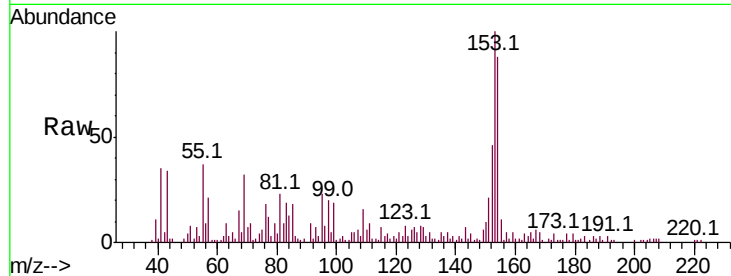
Tot Ion:154 Resp: 32626

Ion Ratio Lower Upper

154 100

153 113.9 89.4 134.0

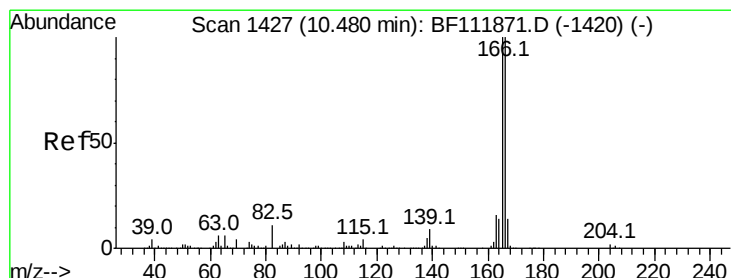
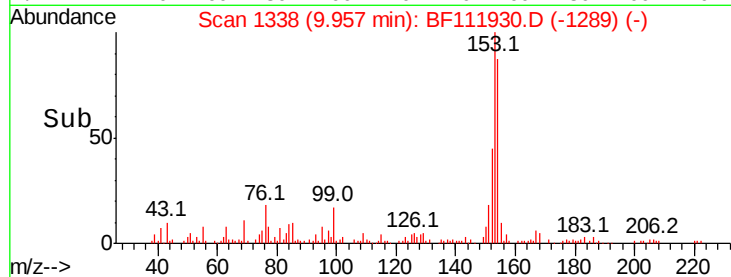
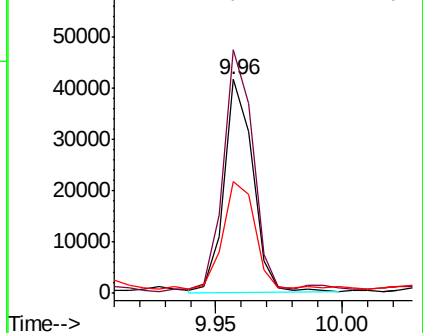
152 52.1 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.069 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

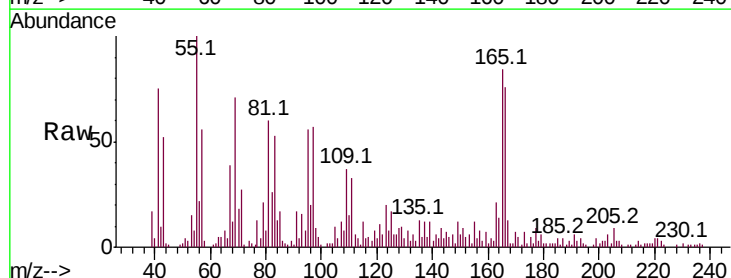
Tgt Ion:166 Resp: 25882

Ion Ratio Lower Upper

166 100

165 110.4 79.7 119.5

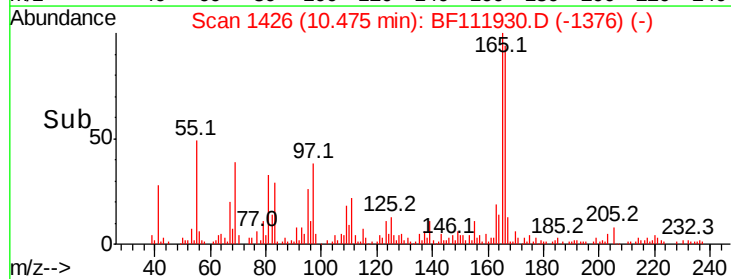
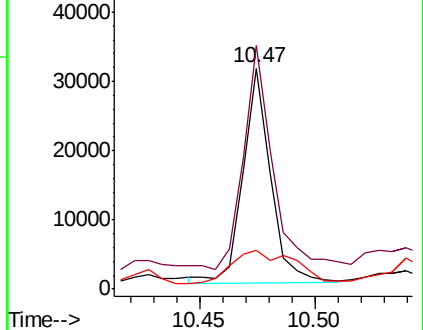
167 17.6 11.1 16.7#

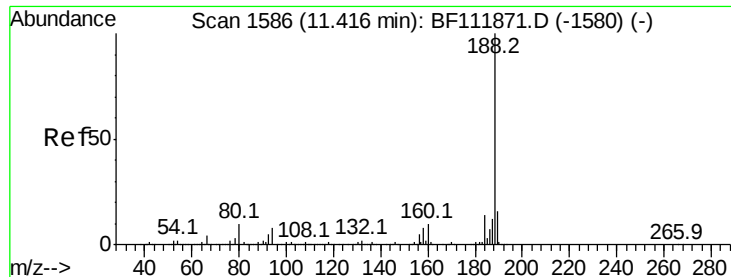


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampleId :

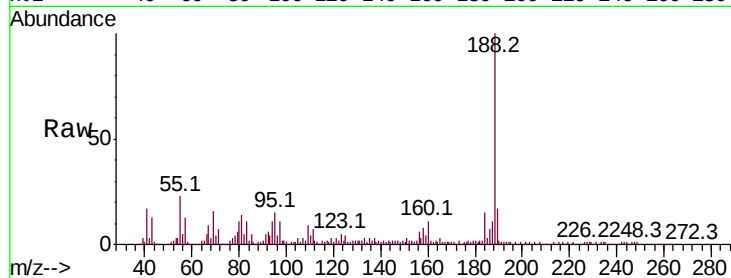
Tot Ion:188 Resp: 285000

Ion Ratio Lower Upper

188 100

94 10.6 6.6 10.0#

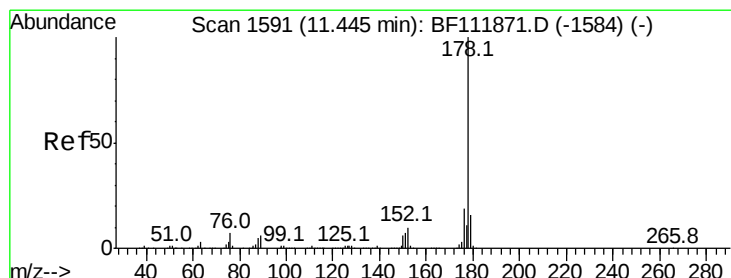
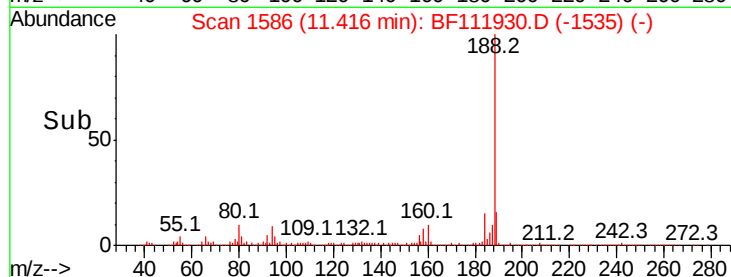
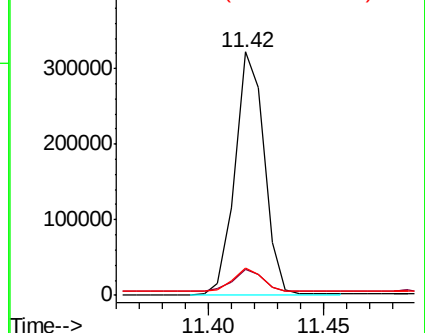
80 11.3 7.7 11.5



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: 2.355 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

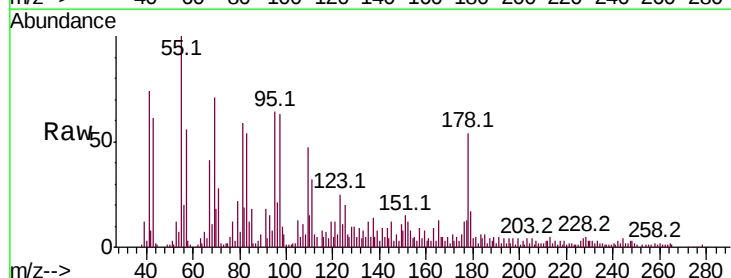
Tgt Ion:178 Resp: 35878

Ion Ratio Lower Upper

178 100

176 21.7 15.6 23.4

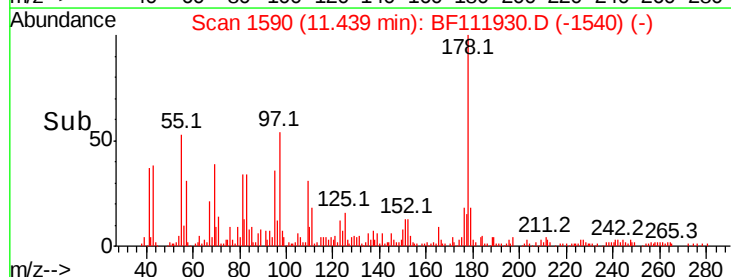
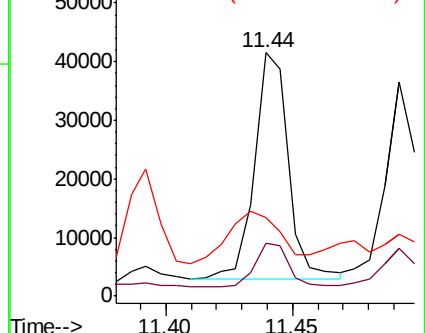
179 32.0 12.6 18.8#

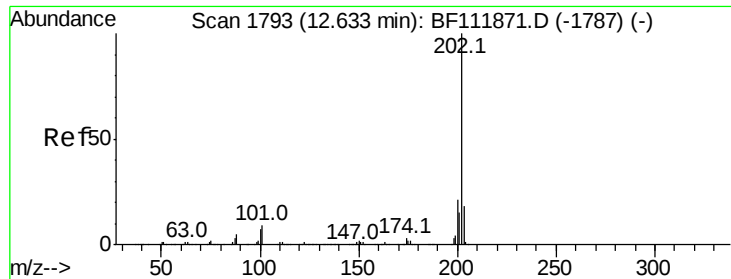


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.849 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampleId :

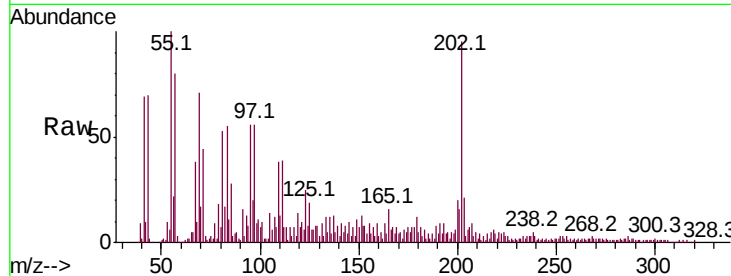
Tot Ion:202 Resp: 107144

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.3

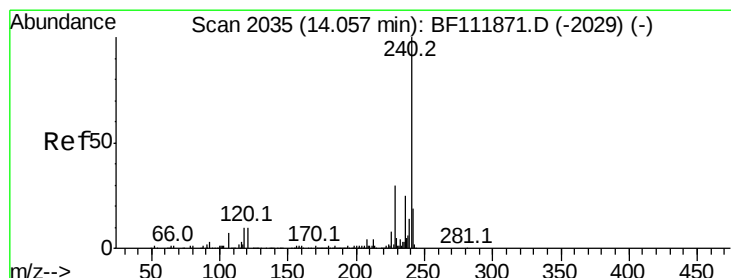
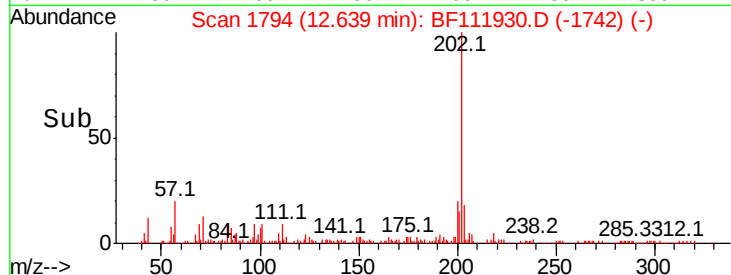
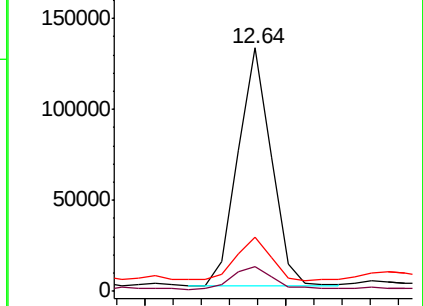
203 22.0 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

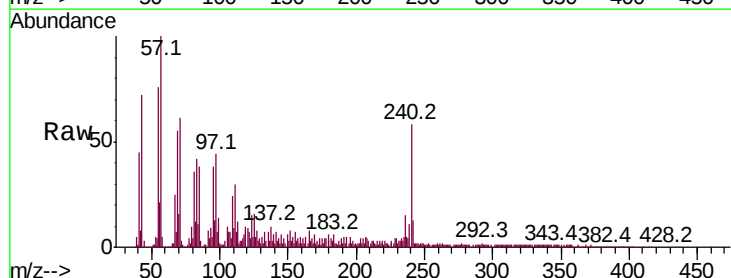
Tgt Ion:240 Resp: 185298

Ion Ratio Lower Upper

240 100

120 15.9 8.2 12.2#

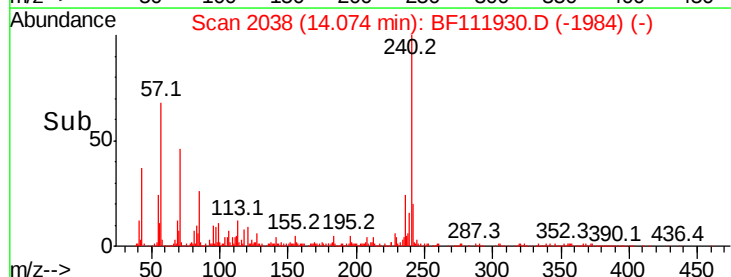
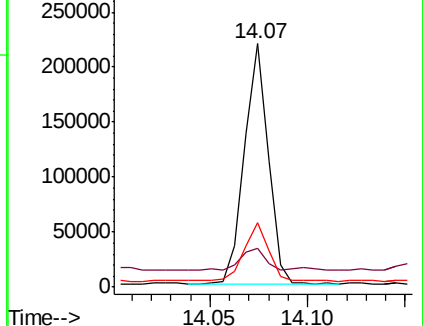
236 26.6 20.2 30.4

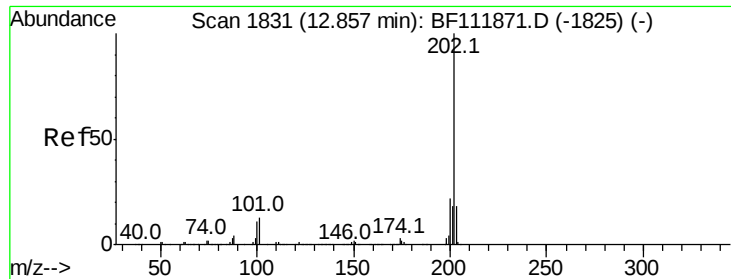


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

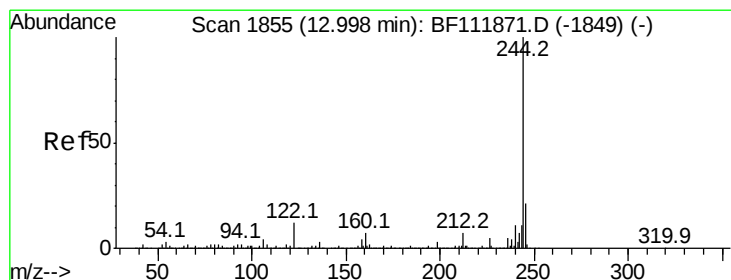
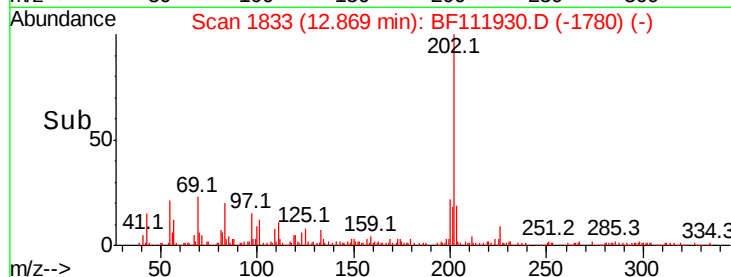
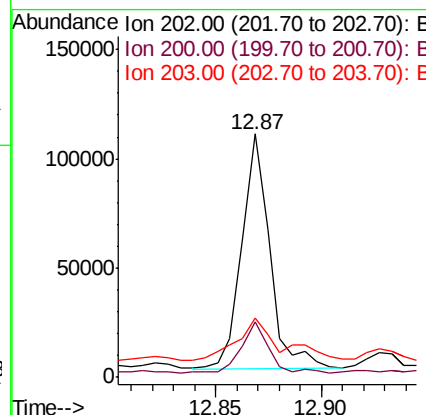
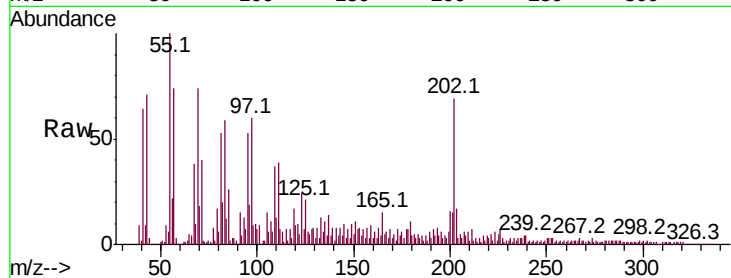




#78
Pvrene
Concen: 7.792 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

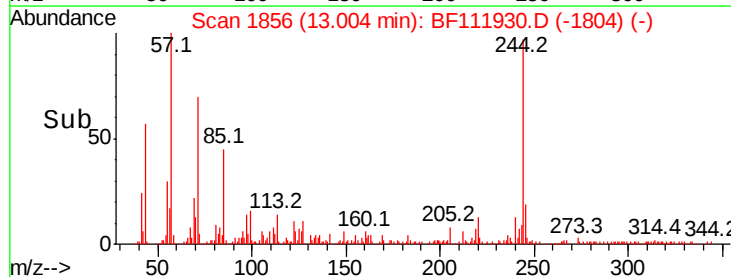
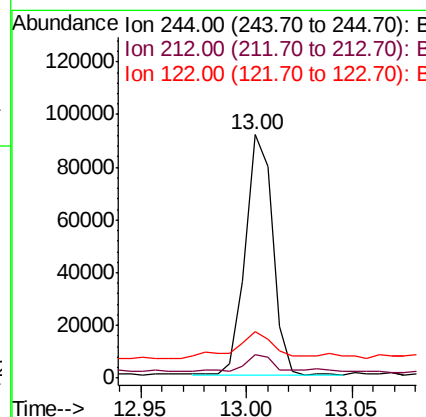
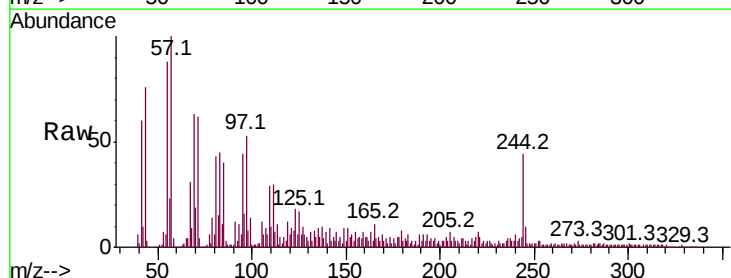
Instrument :
BNA_F
ClientSampled :

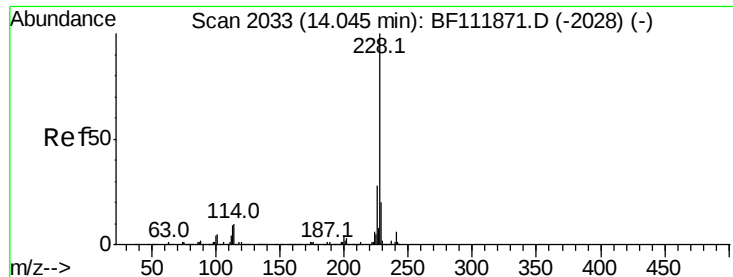
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	24.3	14.6	21.8#



#79
Terphenyl-d14
Concen: 8.438 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	5.8	8.8#
122	19.1	9.5	14.3#

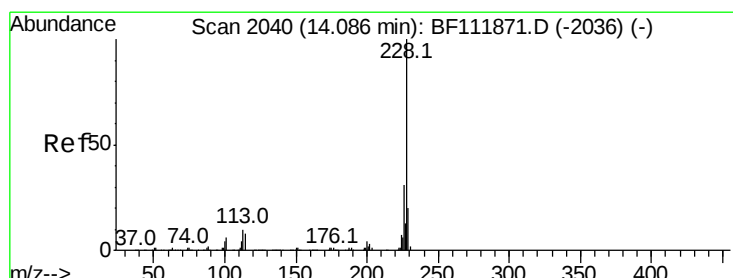
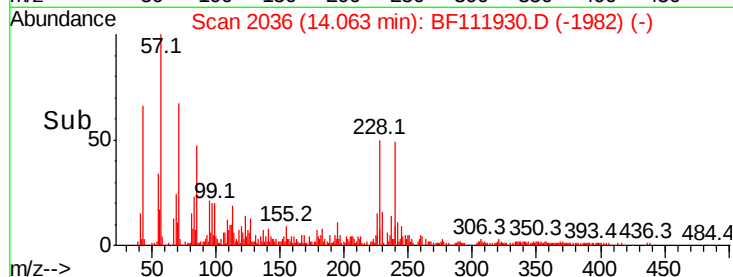
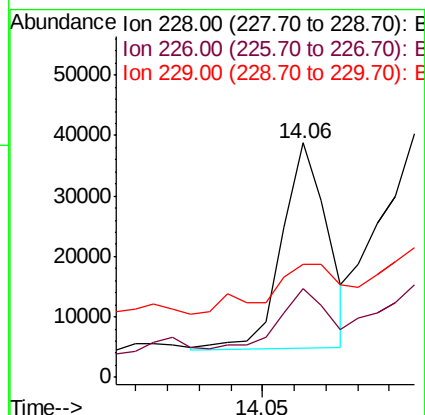
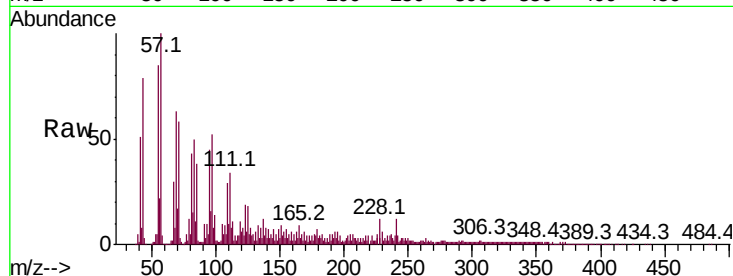




#81
Benzo(a)anthracene
Concen: 3.210 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

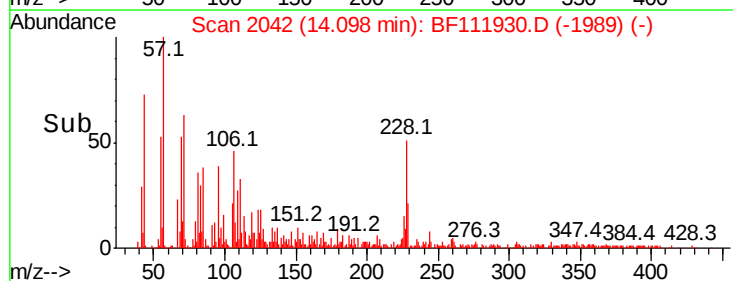
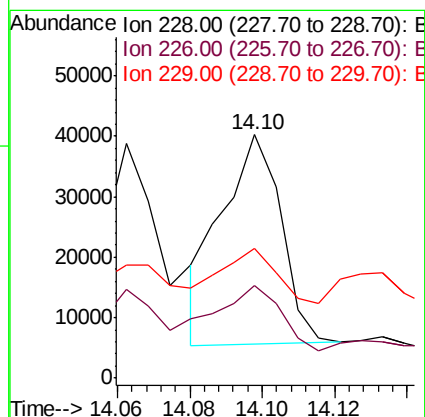
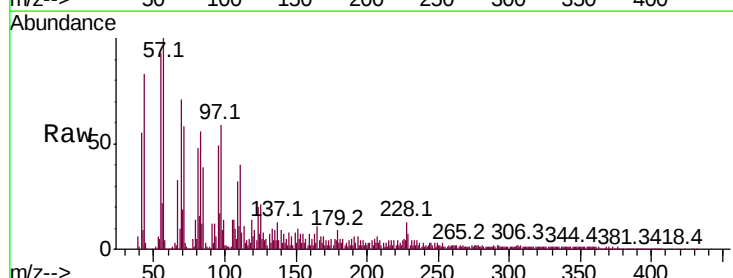
Instrument :
BNA_F
ClientSampleId :

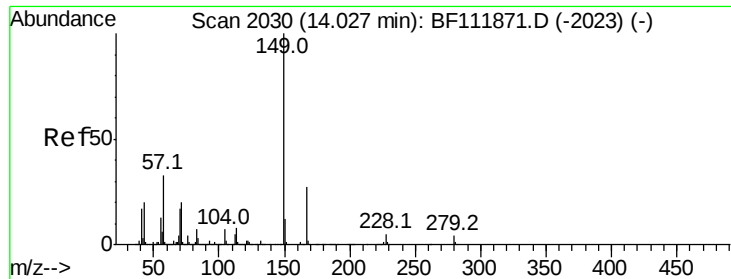
Tot Ion:228 Resp: 34237
Ion Ratio Lower Upper
228 100
226 37.6 22.2 33.2#
229 48.1 16.2 24.2#



#83
Chrysene
Concen: 3.862 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Tgt Ion:228 Resp: 39268
Ion Ratio Lower Upper
228 100
226 38.2 24.6 37.0#
229 53.1 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.120 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.02 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampled :

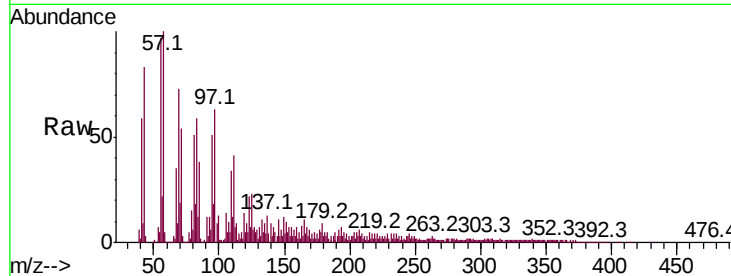
Tot Ion:149 Resp: 15007

Ion Ratio Lower Upper

149 100

167 54.8 21.5 32.3#

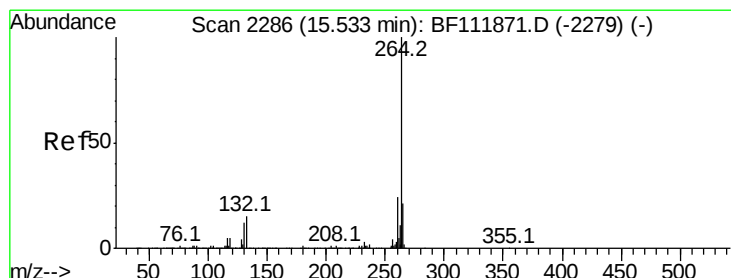
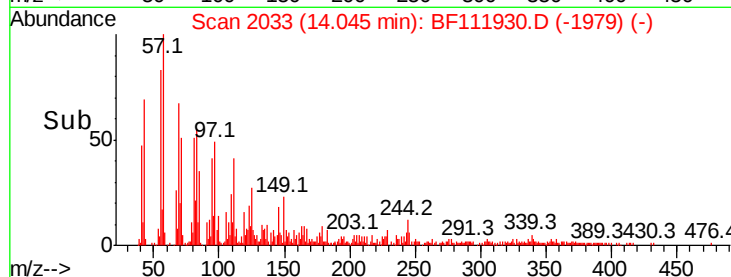
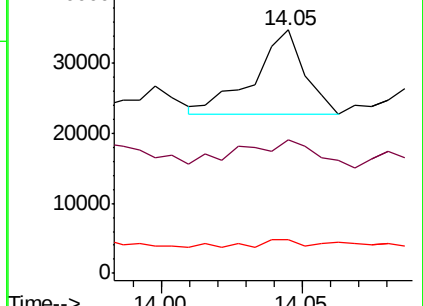
279 13.6 3.0 4.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.05 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

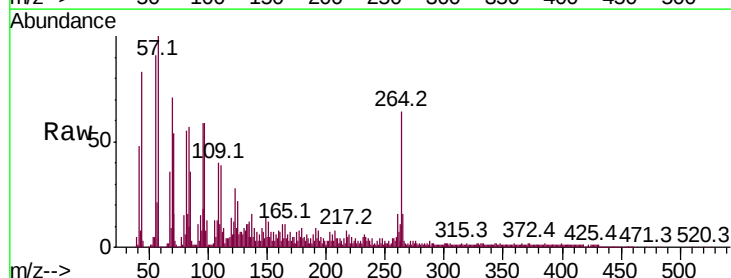
Tgt Ion:264 Resp: 158188

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

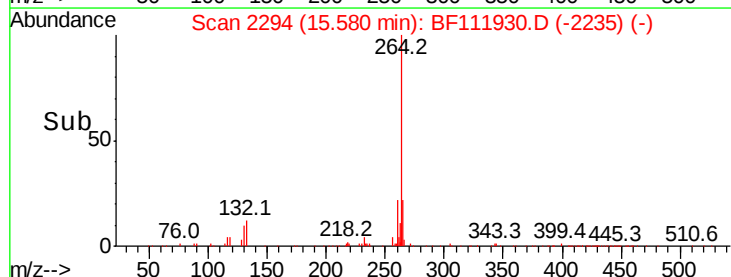
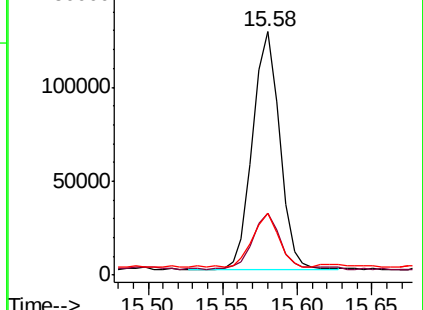
265 25.3 17.1 25.7

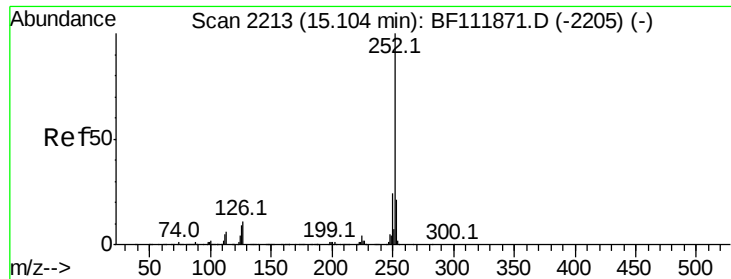


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

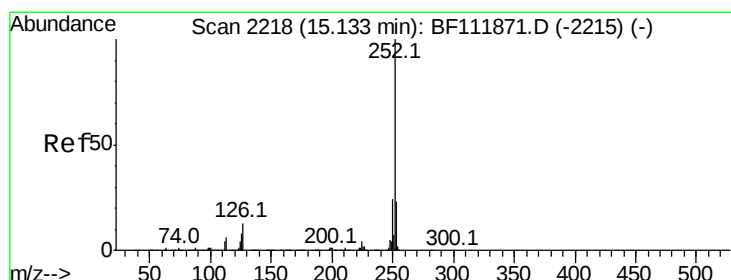
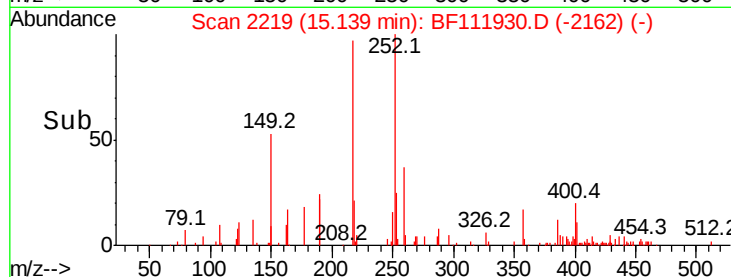
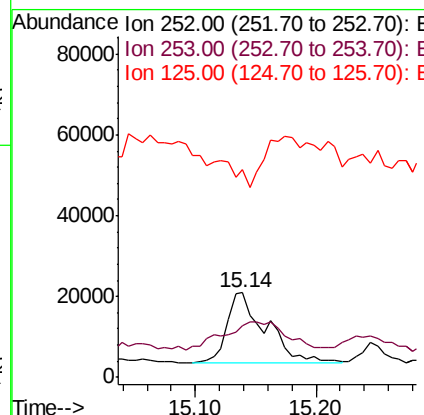
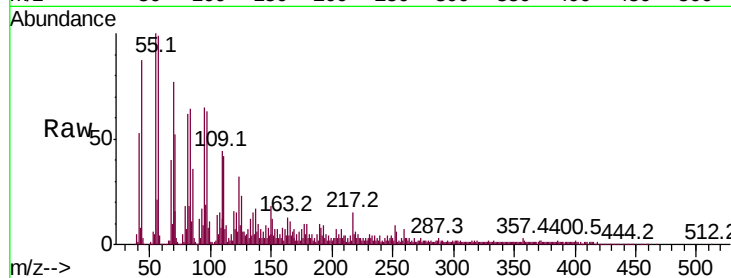




#88
Benzo(b)fluoranthene
Concen: 4.171 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.04 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

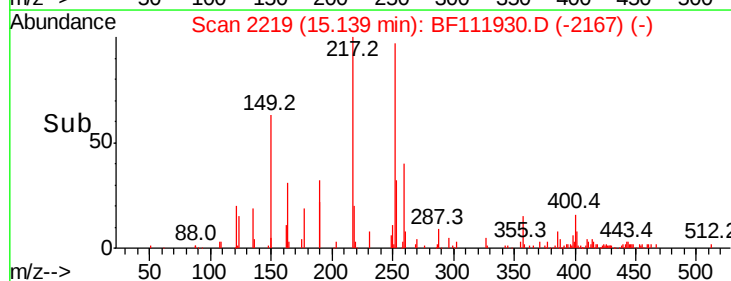
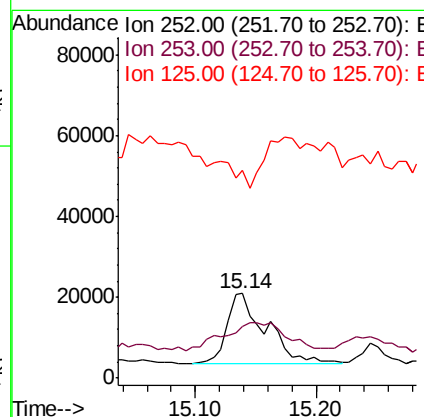
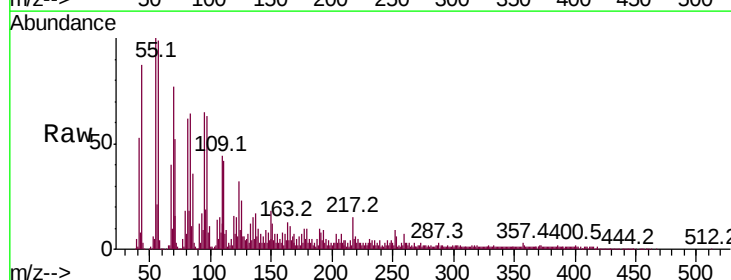
Instrument :
BNA_F
ClientSampleId :

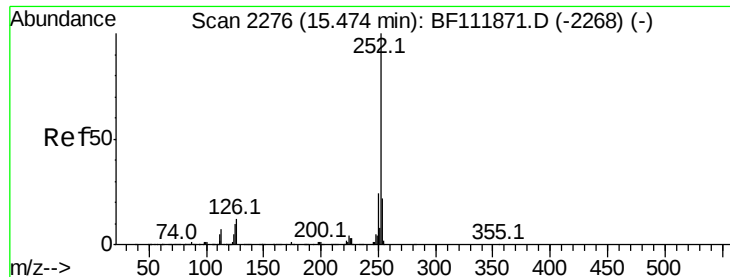
Tot Ion:252 Resp: 39469
Ion Ratio Lower Upper
252 100
253 61.0 17.0 25.6#
125 245.5 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 4.437 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF111930.D
Acq: 9 Jan 2019 1:45

Tgt Ion:252 Resp: 39469
Ion Ratio Lower Upper
252 100
253 61.0 17.8 26.6#
125 245.5 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.673 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.04 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_F

ClientSampleId :

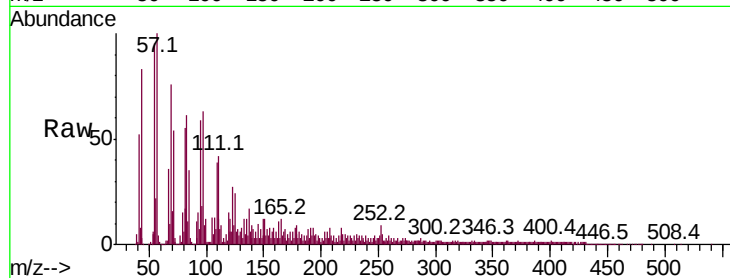
Tot Ion:252 Resp: 22241

Ion Ratio Lower Upper

252 100

253 51.9 17.4 26.2#

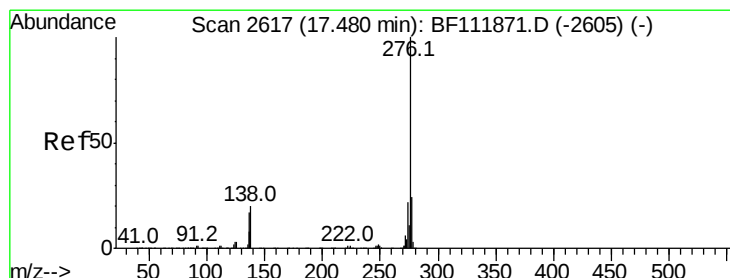
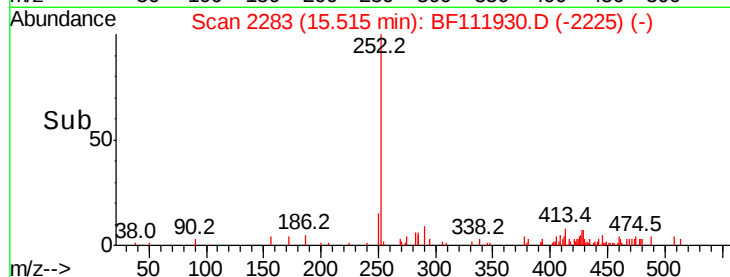
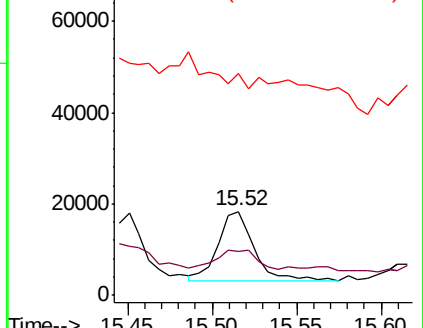
125 264.0 7.9 11.9#



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: 2.172 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.07 min

Lab File: BF111930.D

Acq: 9 Jan 2019 1:45

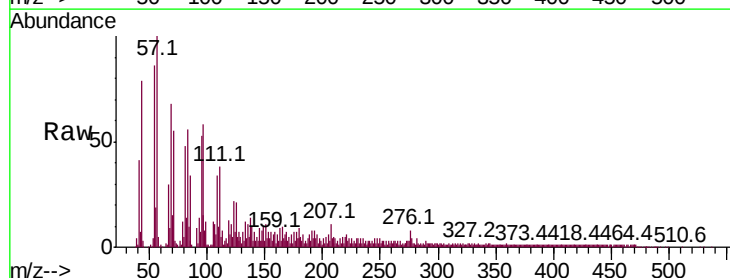
Tgt Ion:276 Resp: 14219

Ion Ratio Lower Upper

276 100

277 51.7 19.0 28.6#

138 72.6 16.2 24.2#



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

