

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111934.D
 Acq On : 9 Jan 2019 4:29
 Operator : JU/SJ
 Sample : K1010-01DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 05:23:41 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	108899	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	407904	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	196767	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	394868	20.00	ng	0.00
76) Chrysene-d12	14.06	240	242793	20.00	ng	0.00
87) Perylene-d12	15.54	264	231009	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	61752	9.70	ng	0.00
7) Phenol-d6	6.52	99	77247	9.42	ng	-0.01
23) Nitrobenzene-d5	7.44	82	38622	5.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	19770	7.72	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	80338	5.95	ng	-0.01
79) Terphenyl-d14	12.99	244	83871	6.56	ng	0.00

Target Compounds

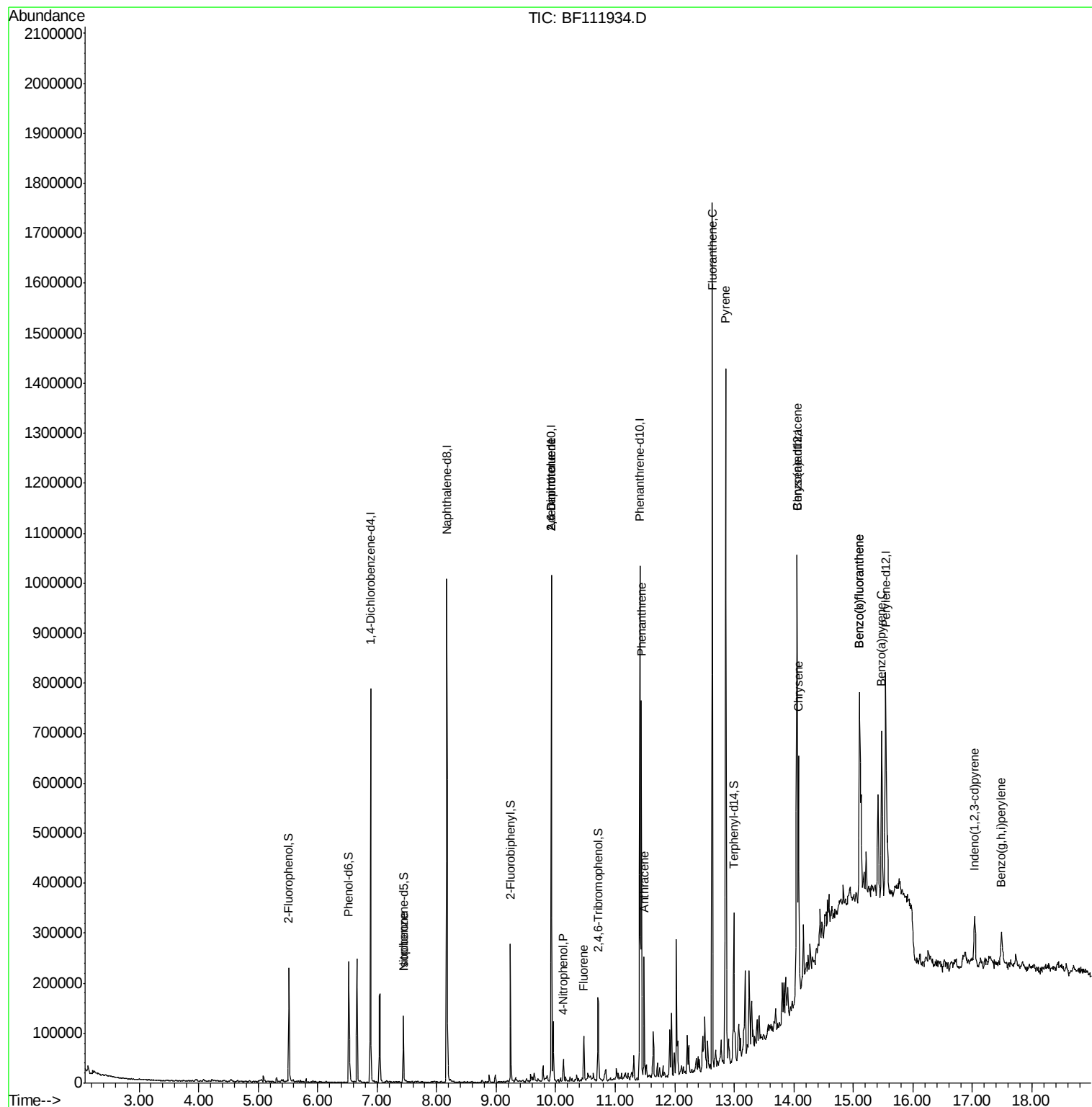
						Qvalue
9) Benzaldehyde	6.66	77	1377	Below Cal		92
25) Isophorone	7.44	82	38622	3.125 ng	#	65
51) 2,6-Dinitrotoluene	9.92	165	25607	7.747 ng	#	25
56) 4-Nitrophenol	10.13	139	5137	2.054 ng	#	5
57) 2,4-Dinitrotoluene	9.92	165	25607	5.995 ng	#	26
58) Fluorene	10.47	166	27949	2.145 ng		95
71) Phenanthrene	11.43	178	290542	13.762 ng		99
72) Anthracene	11.49	178	85228	3.977 ng		97
75) Fluoranthene	12.63	202	661786	30.535 ng		99
78) Pyrene	12.86	202	558874	33.454 ng		99
81) Benzo(a)anthracene	14.04	228	202096	14.463 ng		99
83) Chrysene	14.08	228	168364	12.637 ng		97
86) Indeno(1,2,3-cd)pyrene	17.04	276	66410	6.837 ng		97
88) Benzo(b)fluoranthene	15.10	252	311832	22.566 ng		97
89) Benzo(k)fluoranthene	15.10	252	311832	24.006 ng		99
90) Benzo(a)pyrene	15.47	252	170558	14.037 ng	#	95
92) Benzo(a,h,i)perylene	17.49	276	58181	6.087 ng		98

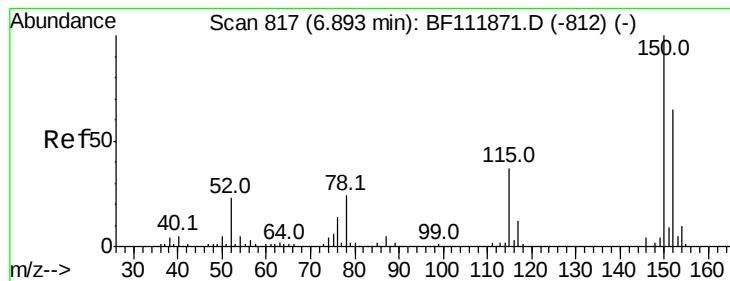
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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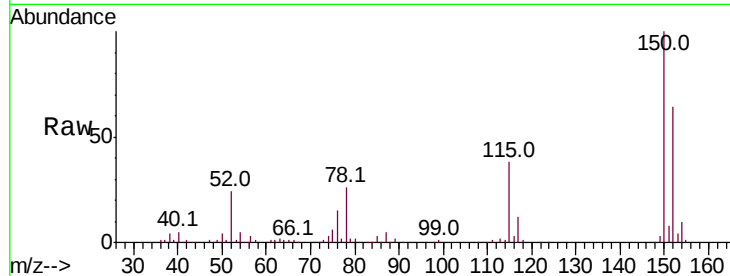


#1

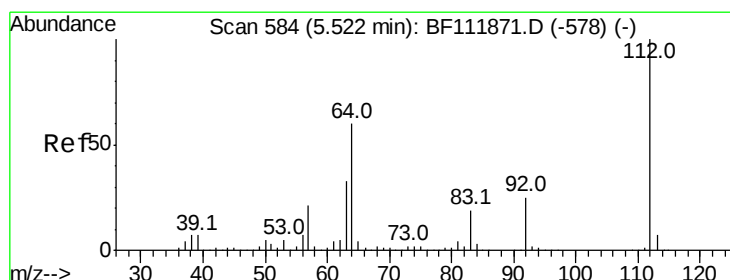
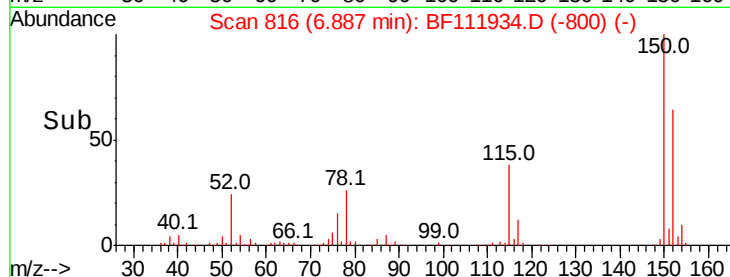
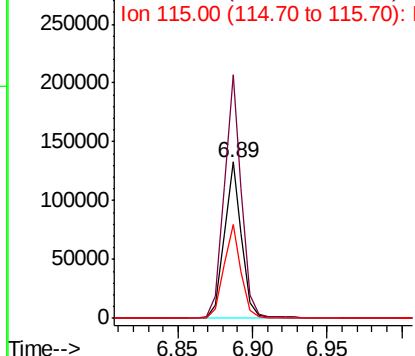
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 108899
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 60.0 45.2 67.8



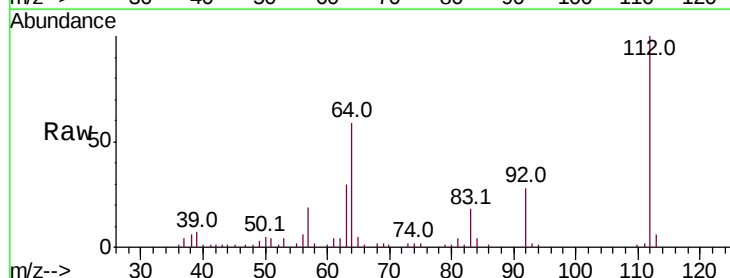
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



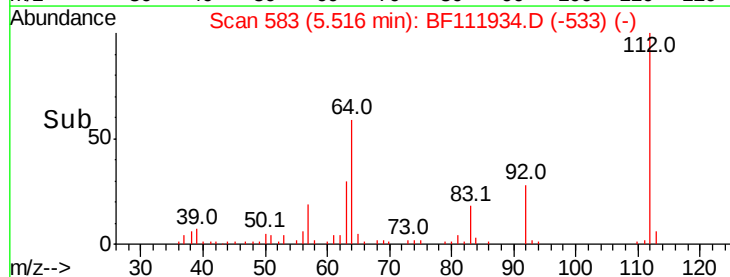
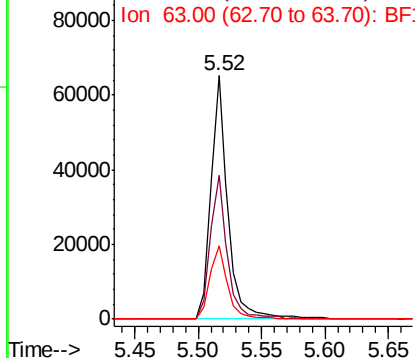
#5

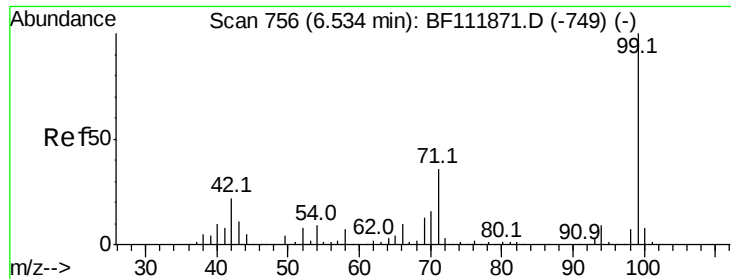
2-Fluorophenol
Concen: 9.701 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:112 Resp: 61752
Ion Ratio Lower Upper
112 100
64 58.9 48.3 72.5
63 30.3 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: 9.416 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

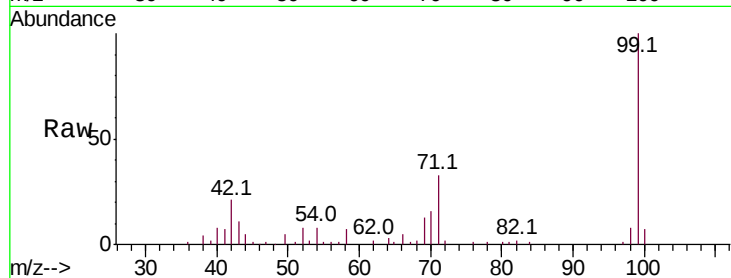
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 77247

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.9	26.9
71	33.4	28.7	43.1

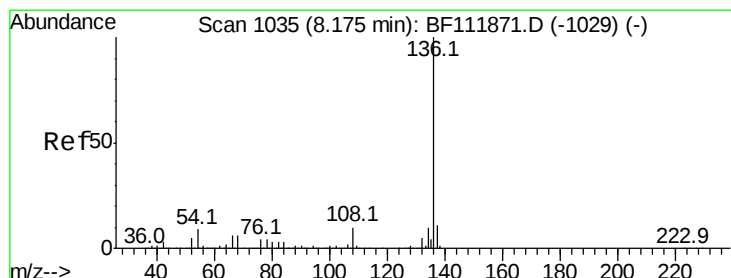
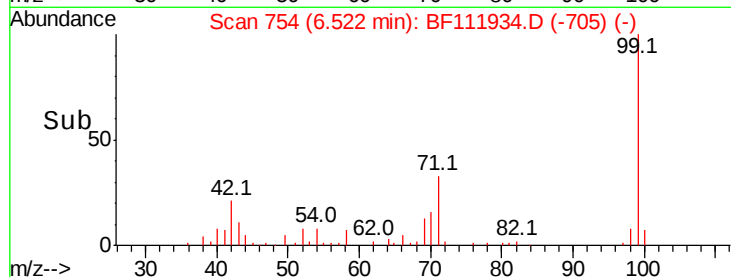


Abundance

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

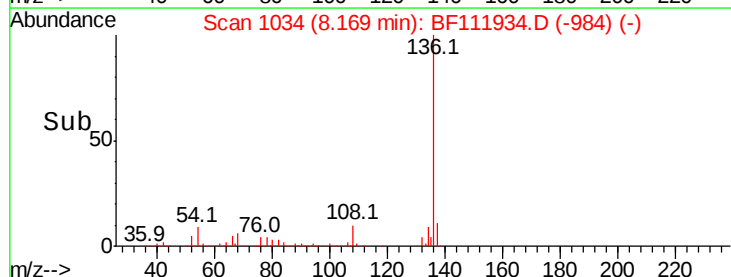
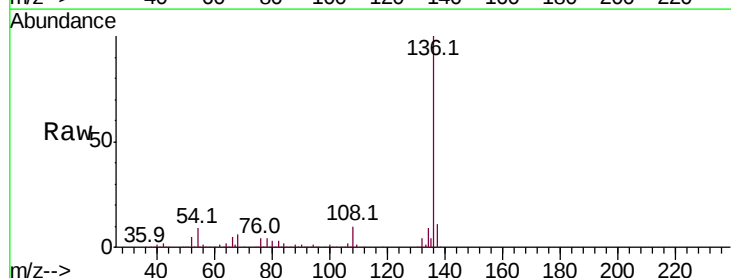
Delta R.T. -0.01 min

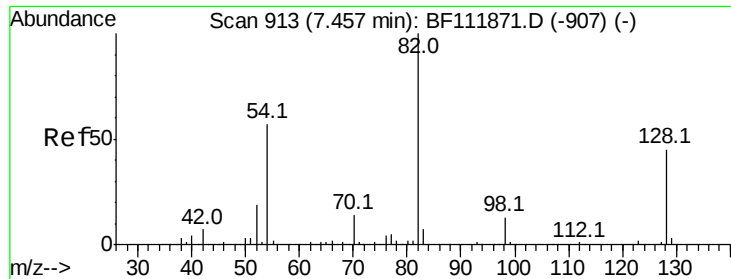
Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Tgt Ion: 136 Resp: 407904

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.8	7.2	10.8
68	5.9	4.4	6.6

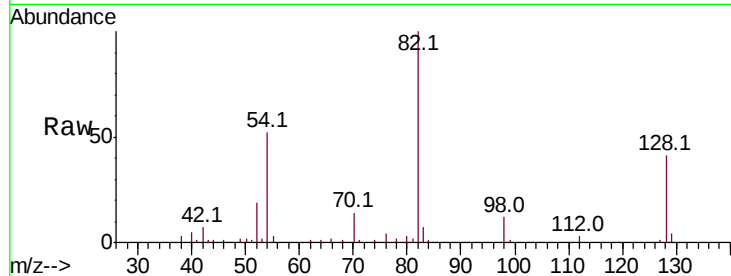




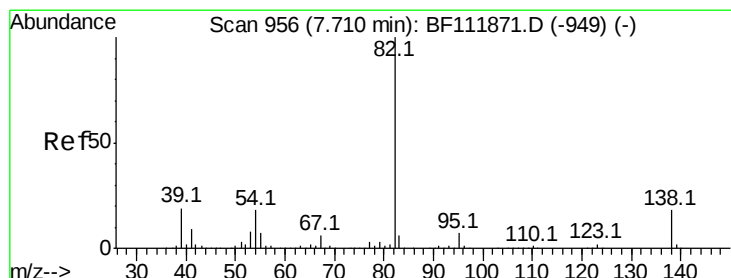
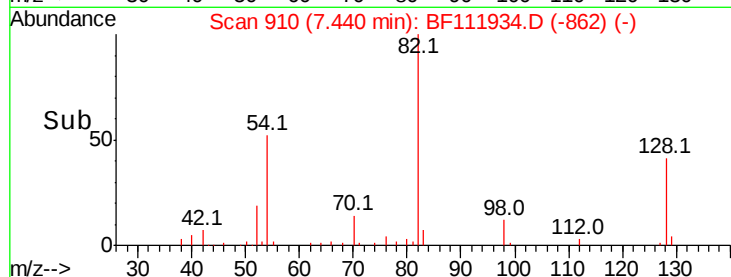
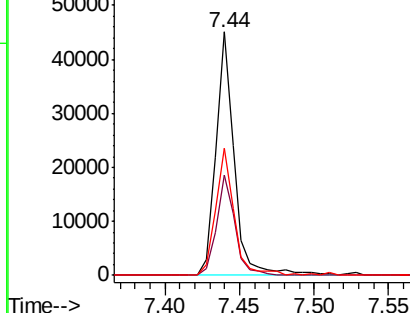
#23
 Nitrobenzene-d5
 Concen: 5.060 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111934.D
 Acq: 9 Jan 2019 4:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	38622
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.7	53.5
54	52.0	45.8	68.8

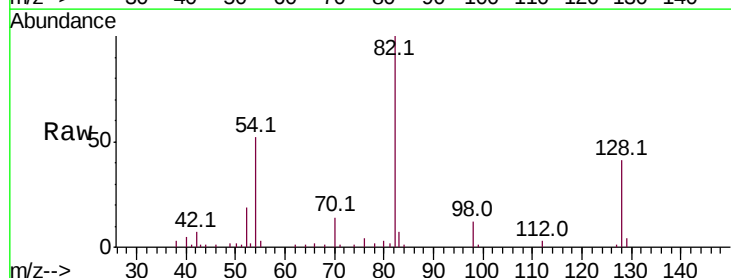


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

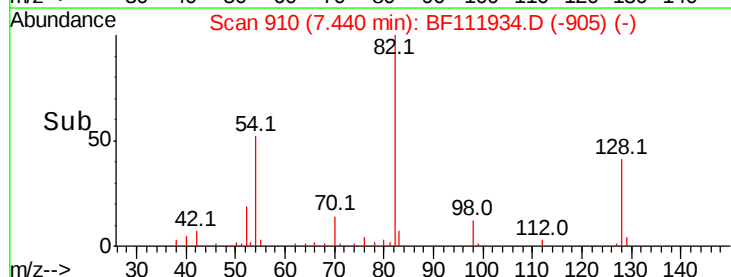
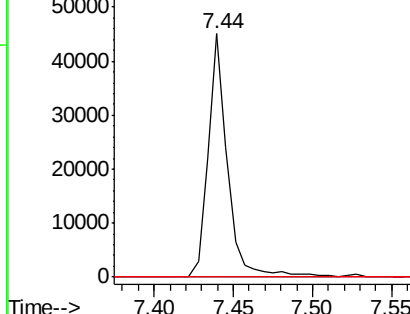


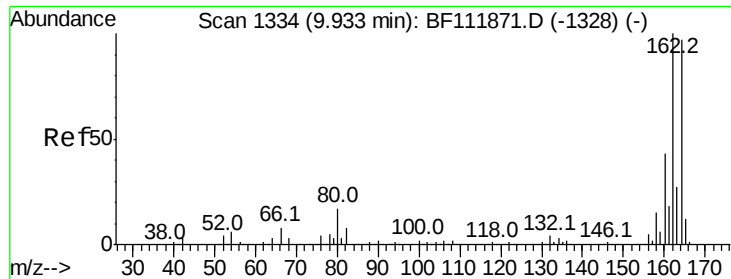
#25
 Isophorone
 Concen: 3.125 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF111934.D
 Acq: 9 Jan 2019 4:29

Tgt Ion	82	Resp	38622
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	14.4	21.6#



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

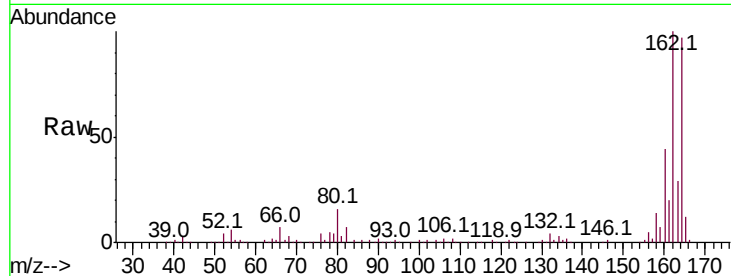




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	45.0	35.5	53.3

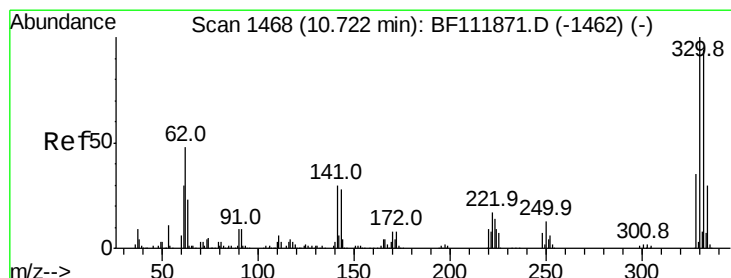
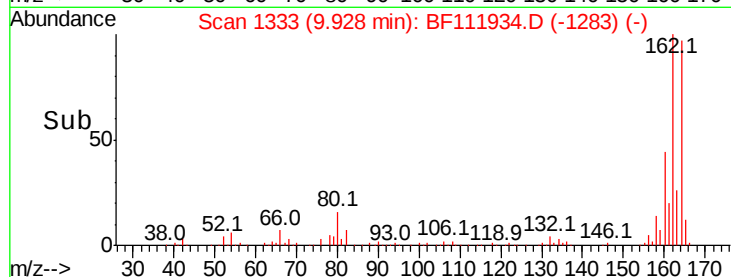
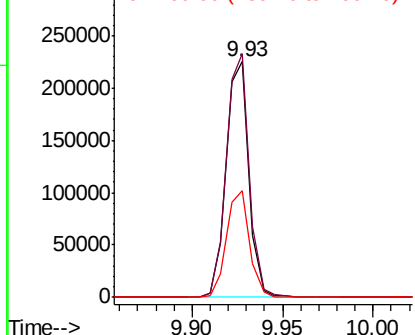


Abundance

Ion 164.00 (163.70 to 164.70): E

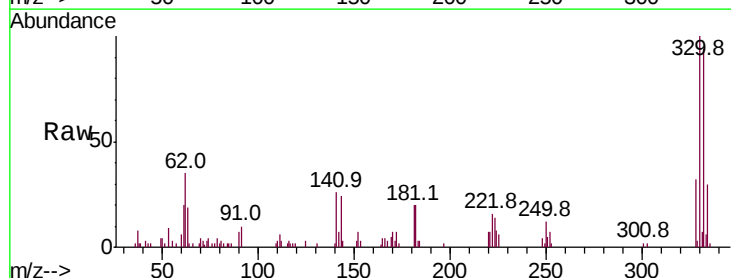
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 7.725 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.9	115.3
141	30.2	23.7	35.5

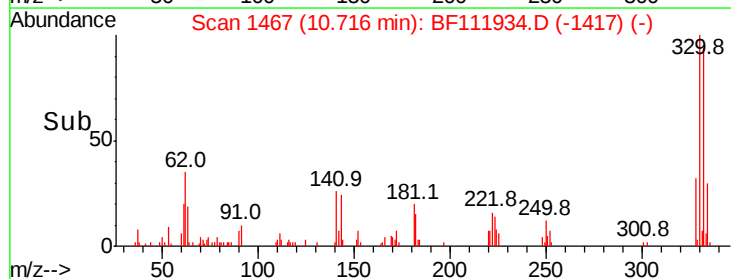
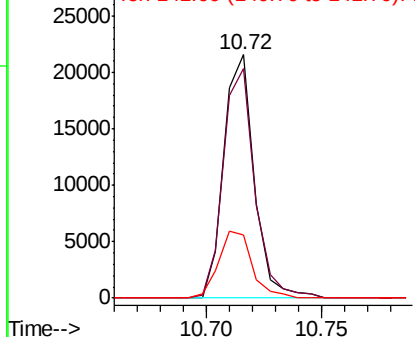


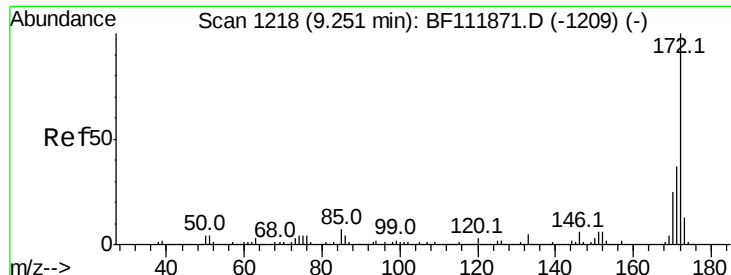
Abundance

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

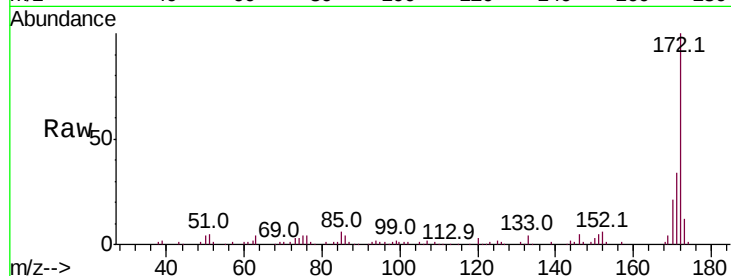




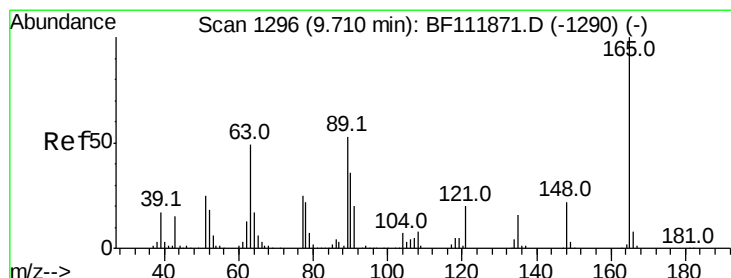
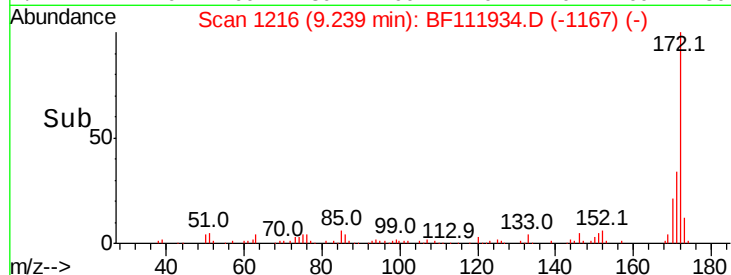
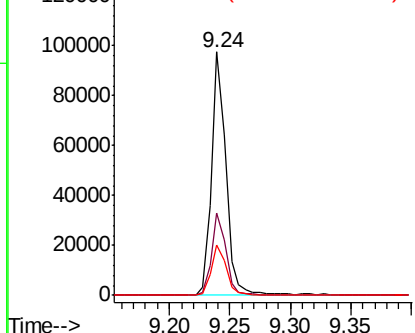
#45
2-Fluorobiphenyl
Concen: 5.954 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 80338
Ion Ratio Lower Upper
172 100
171 34.0 29.6 44.4
170 20.6 19.8 29.8

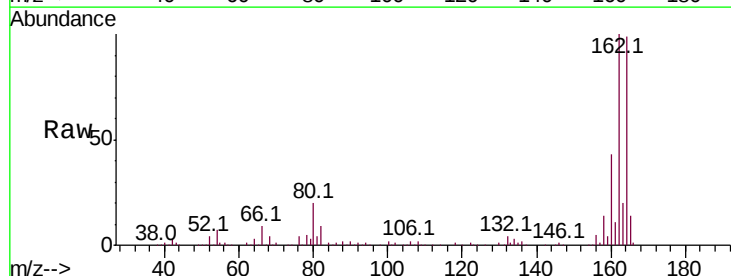


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

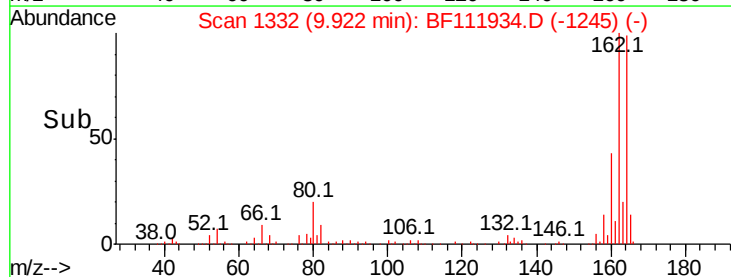
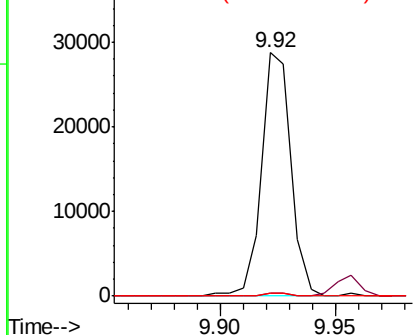


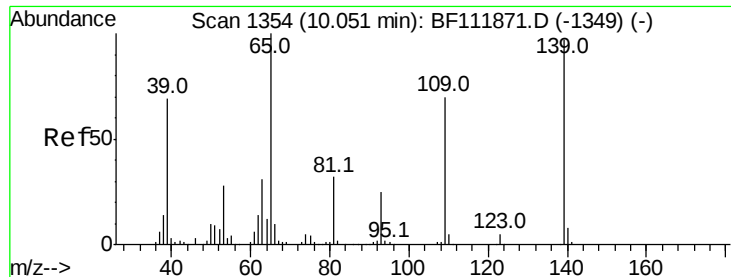
#51
2,6-Dinitrotoluene
Concen: 7.747 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.21 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:165 Resp: 25607
Ion Ratio Lower Upper
165 100
63 1.2 46.2 69.2#
89 1.3 42.2 63.2#



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





#56

4-Nitrophenol

Concen: 2.054 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.08 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Instrument :

BNA_F

ClientSampleId :

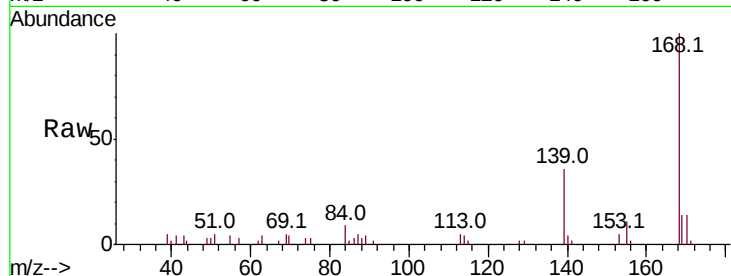
Tot Ion:139 Resp: 5137

Ion Ratio Lower Upper

139 100

109 0.0 52.2 92.2#

65 0.0 83.1 123.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

8000

6000

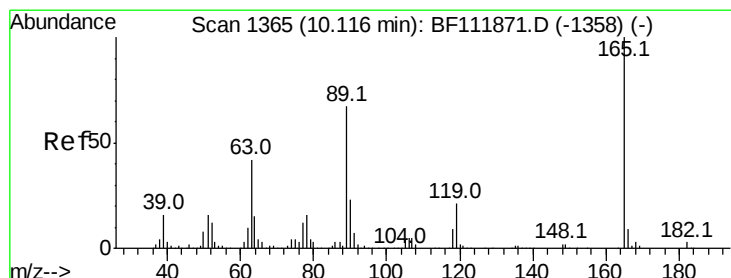
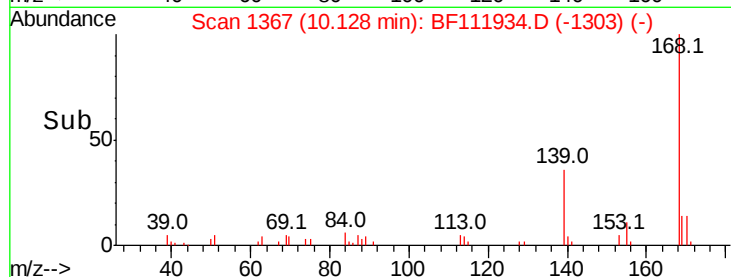
4000

2000

0

10.10 10.12 10.14 10.16

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.995 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Tgt Ion:165 Resp: 25607

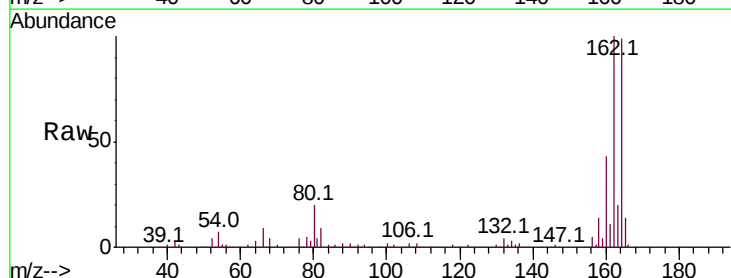
Ion Ratio Lower Upper

165 100

63 1.2 34.1 51.1#

89 1.3 53.5 80.3#

182 0.0 2.0 3.0#



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

40000

30000

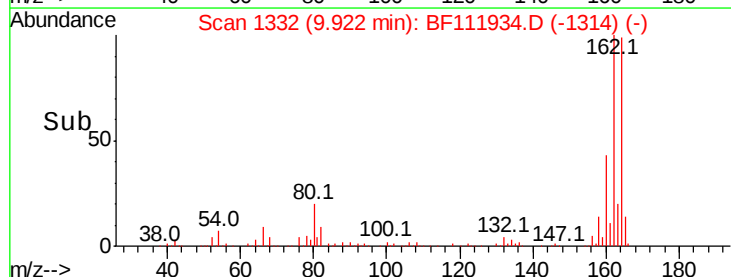
20000

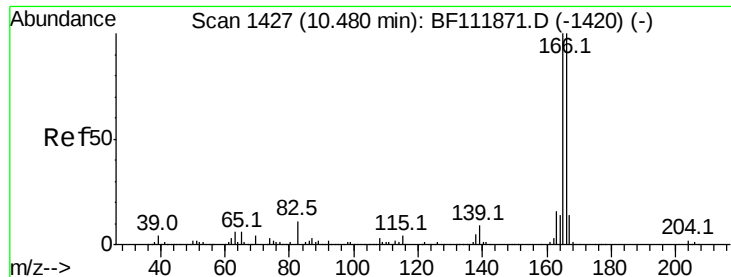
10000

0

9.90 9.92 9.94 9.96

Time-->





#58

Fluorene

Concen: 2.145 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Instrument :

BNA_F

ClientSampleId :

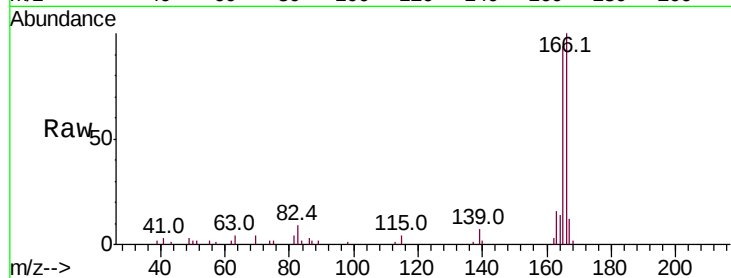
Tot Ion:166 Resp: 27949

Ion Ratio Lower Upper

166 100

165 93.9 79.7 119.5

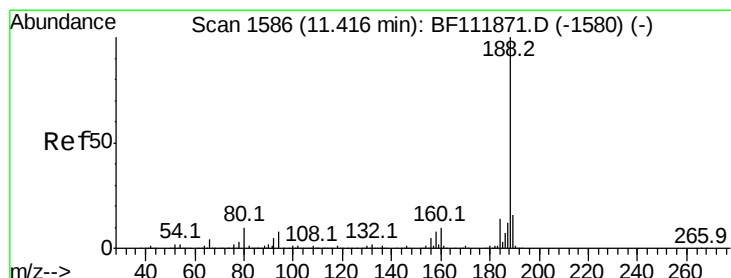
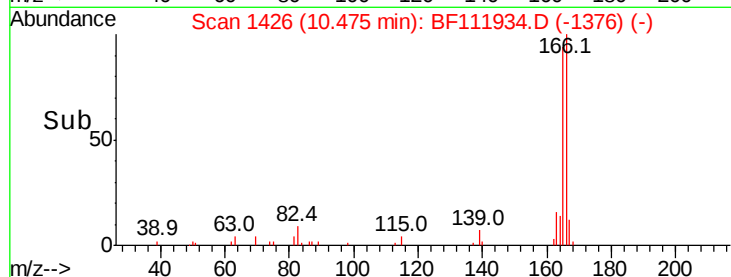
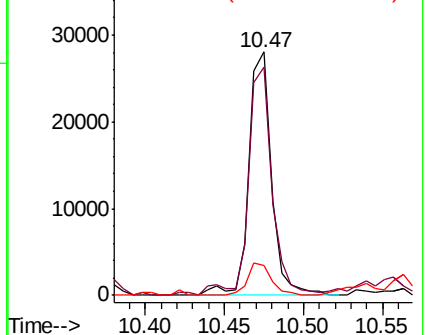
167 12.4 11.1 16.7



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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

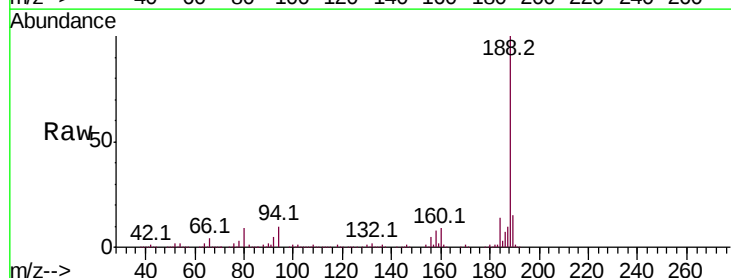
Tgt Ion:188 Resp: 394868

Ion Ratio Lower Upper

188 100

94 9.7 6.6 10.0

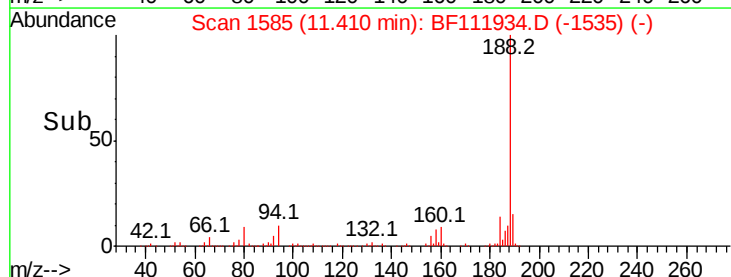
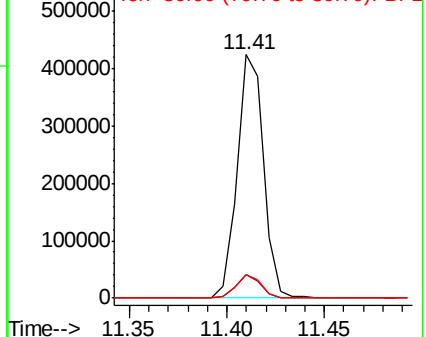
80 9.5 7.7 11.5

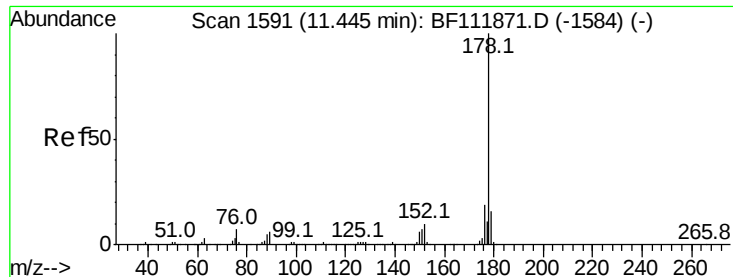


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

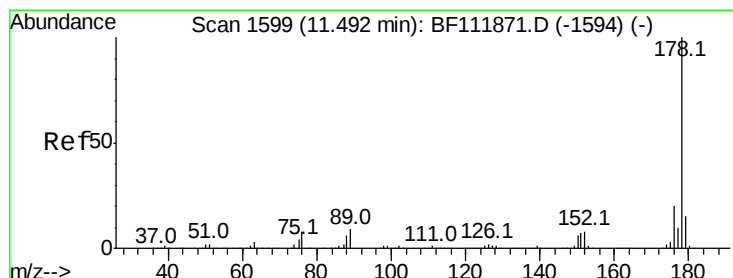
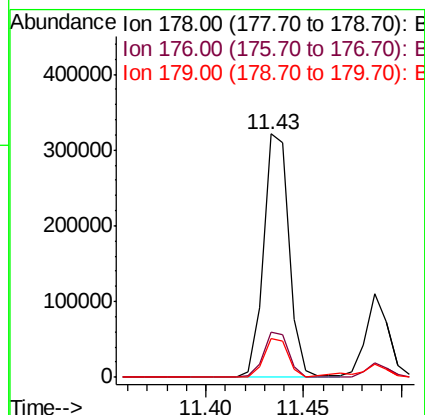
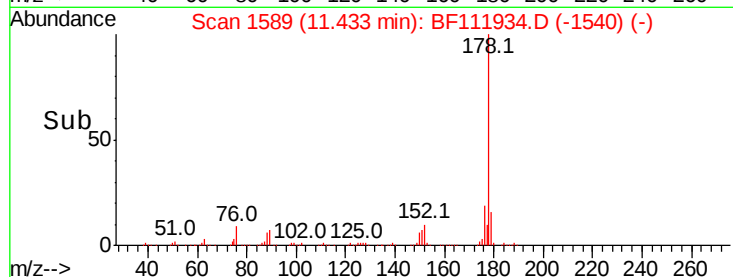
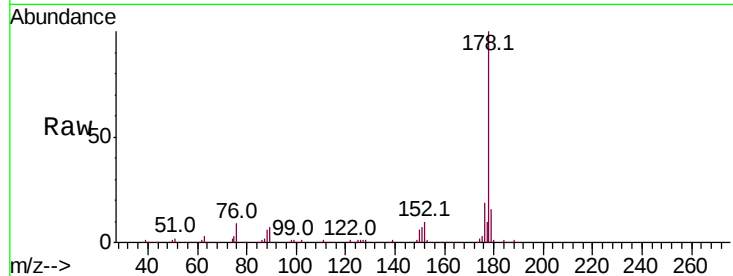




#71
Phenanthrene
Concen: 13.762 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

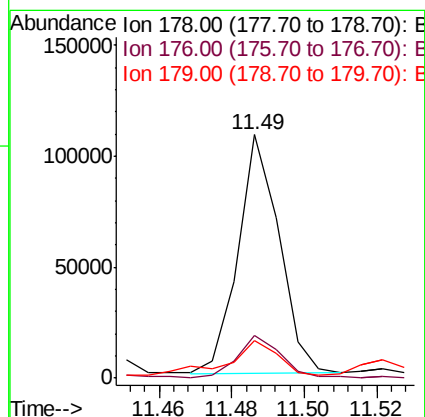
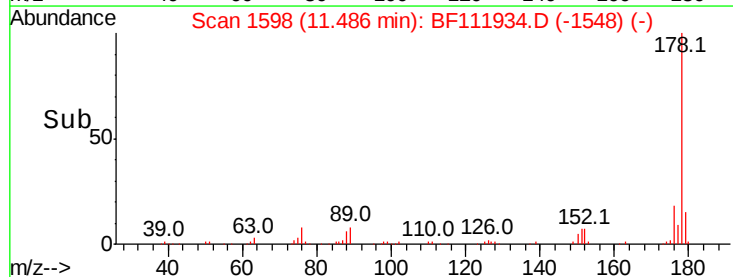
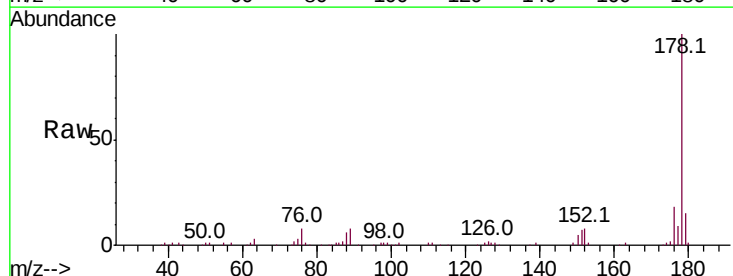
Instrument :
BNA_F
ClientSampleId :

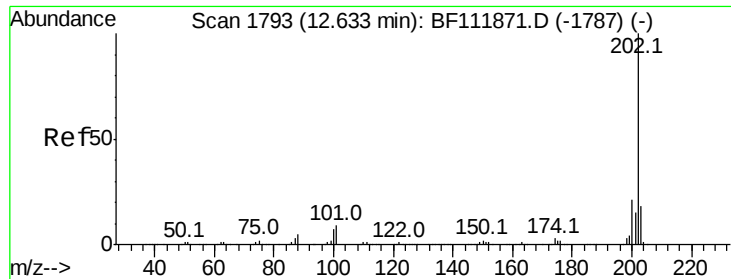
Tot Ion:178 Resp: 290542
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.9 12.6 18.8



#72
Anthracene
Concen: 3.977 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:178 Resp: 85228
Ion Ratio Lower Upper
178 100
176 17.6 15.7 23.5
179 15.4 12.4 18.6





#75

Fluoranthene

Concen: 30.535 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Instrument :

BNA_F

ClientSampled :

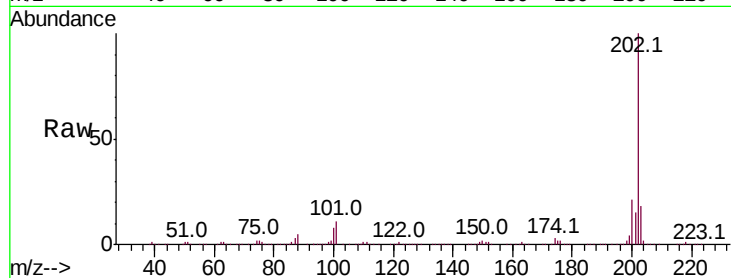
Tot Ion:202 Resp: 661786

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.3

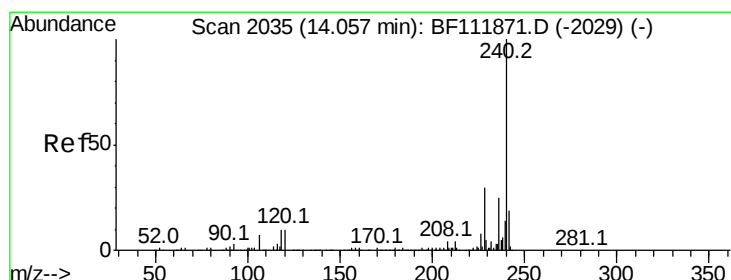
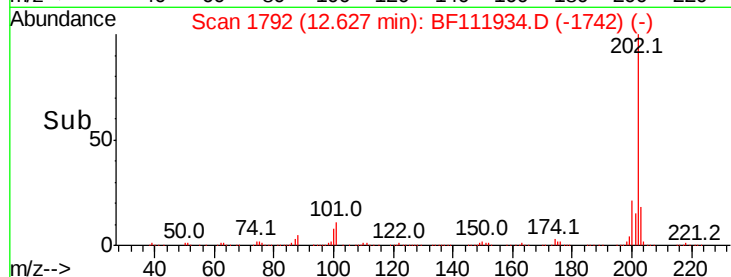
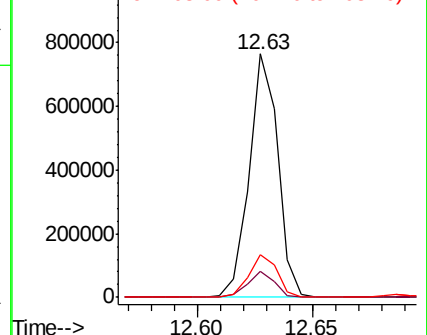
203 17.7 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

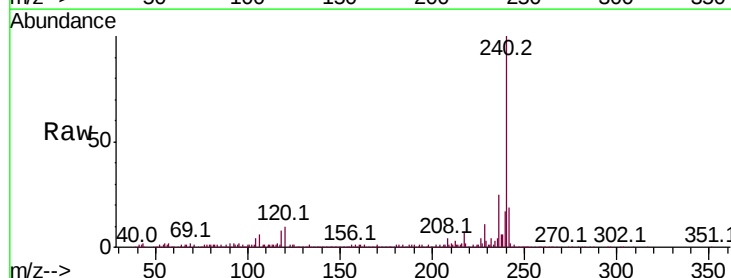
Tgt Ion:240 Resp: 242793

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

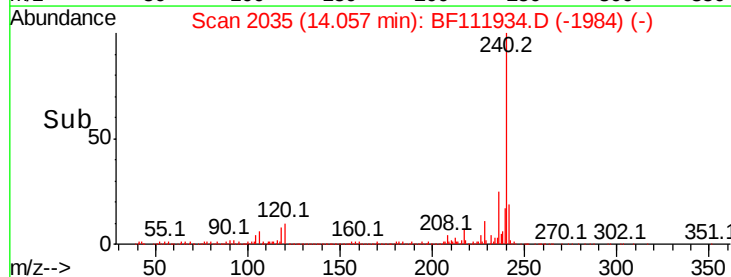
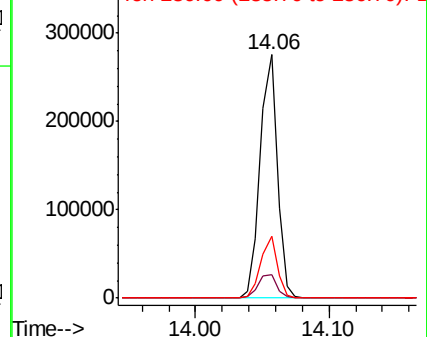
236 25.4 20.2 30.4

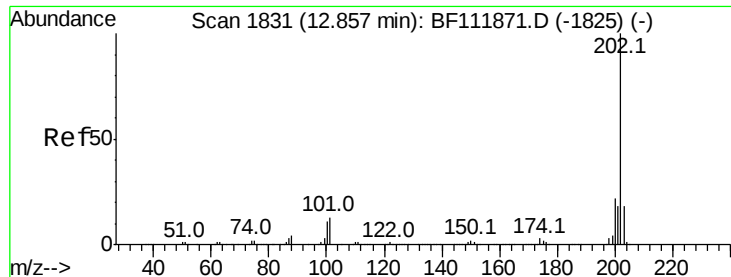


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

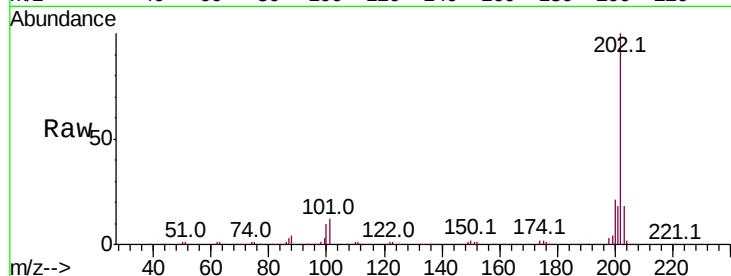




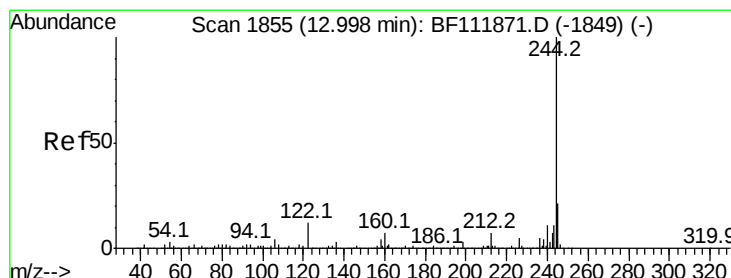
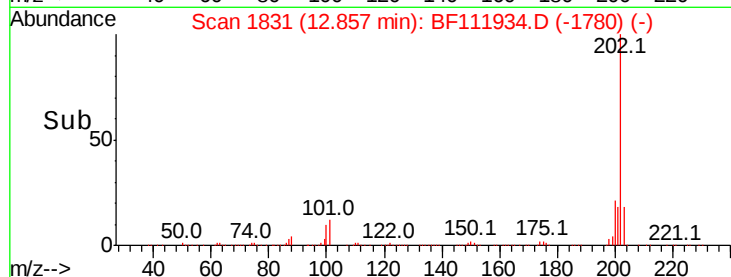
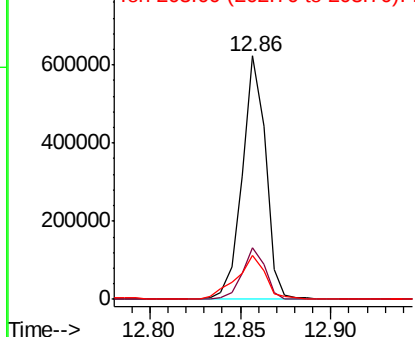
#78
Pvrene
Concen: 33.454 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 558874
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.9 14.6 21.8

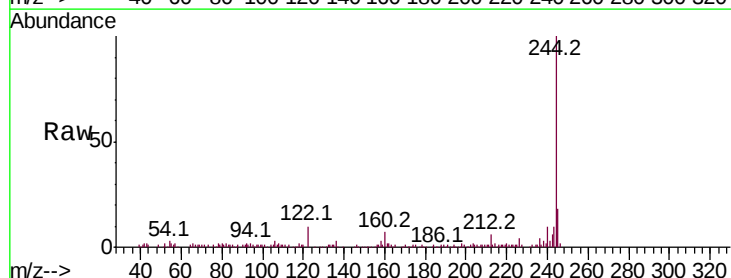


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

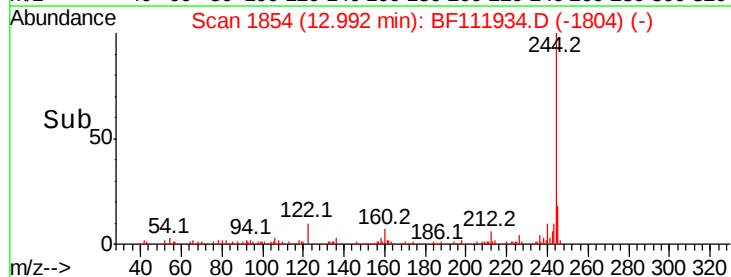
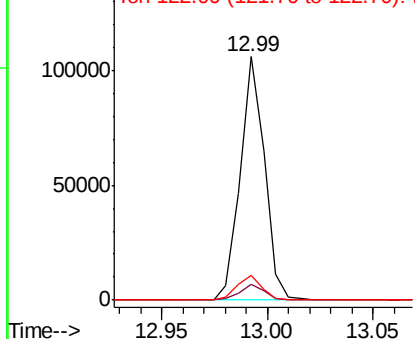


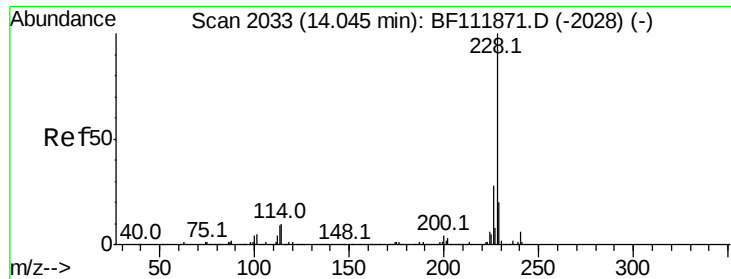
#79
Terphenyl-d14
Concen: 6.557 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:244 Resp: 83871
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 10.3 9.5 14.3



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

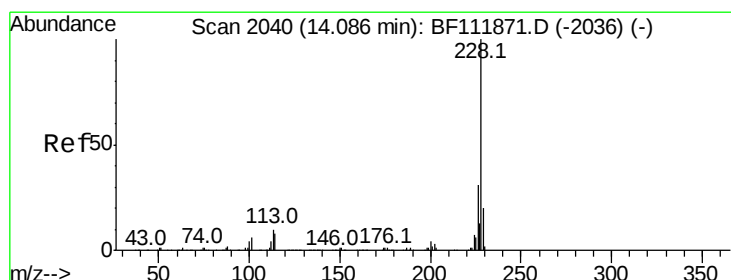
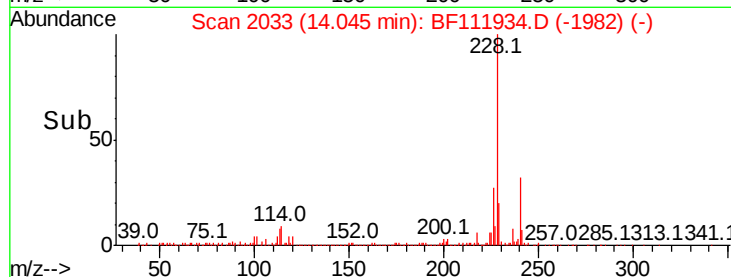
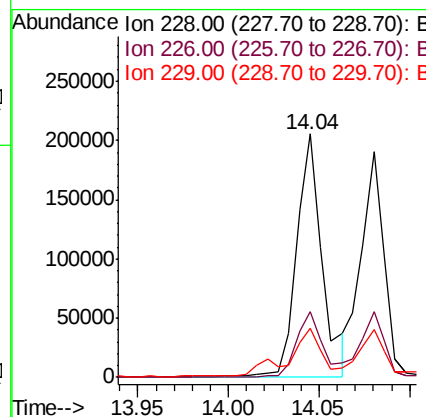
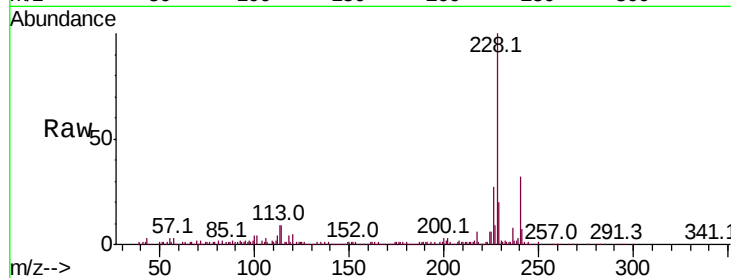




#81
Benzo(a)anthracene
Concen: 14.463 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

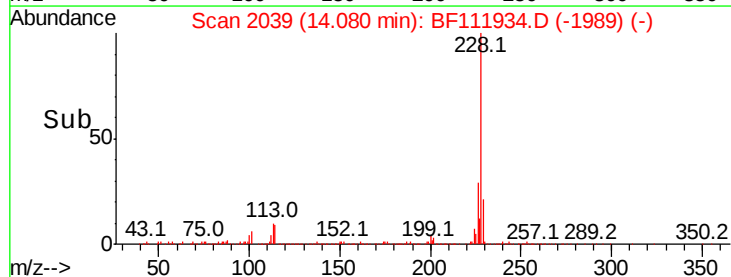
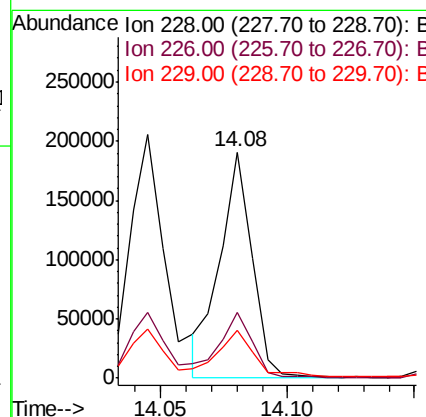
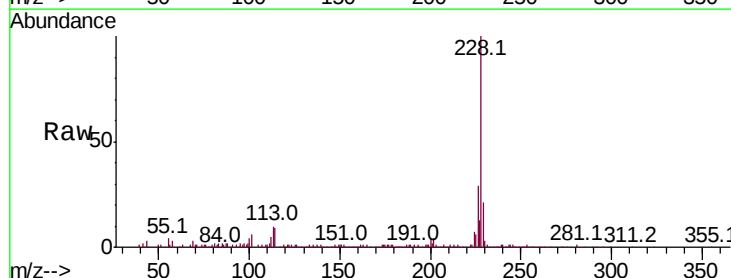
Instrument :
BNA_F
ClientSampleId :

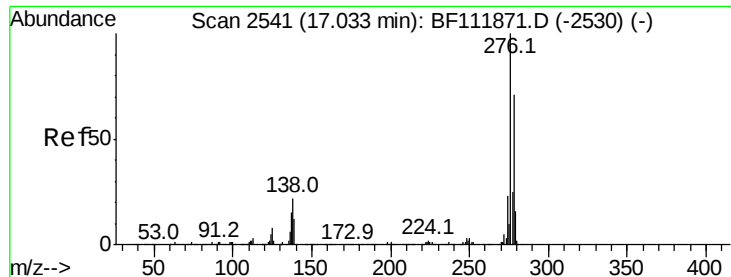
Tot Ion:228 Resp: 202096
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 20.0 16.2 24.2



#83
Chrysene
Concen: 12.637 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:228 Resp: 168364
Ion Ratio Lower Upper
228 100
226 29.1 24.6 37.0
229 21.4 15.7 23.5

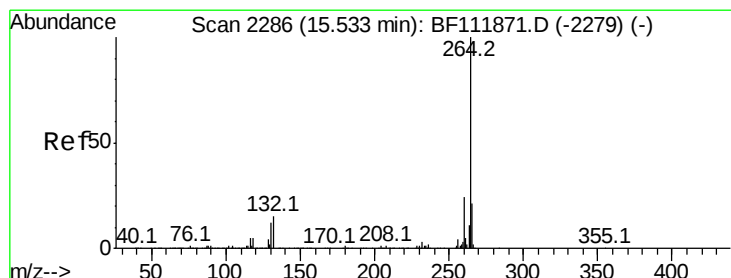
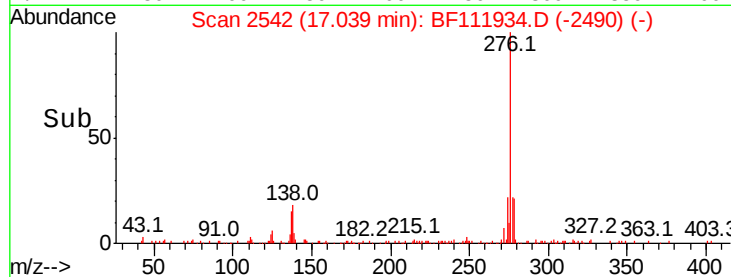
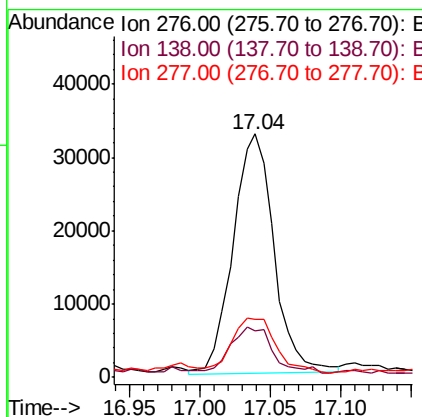
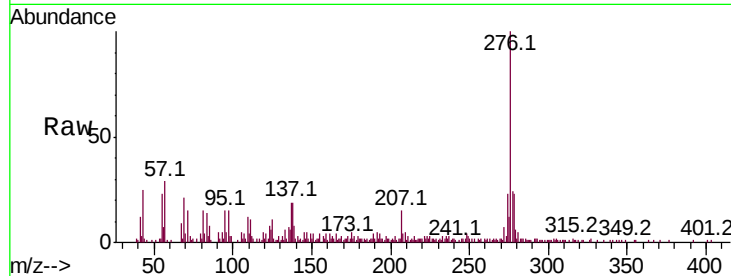




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.837 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

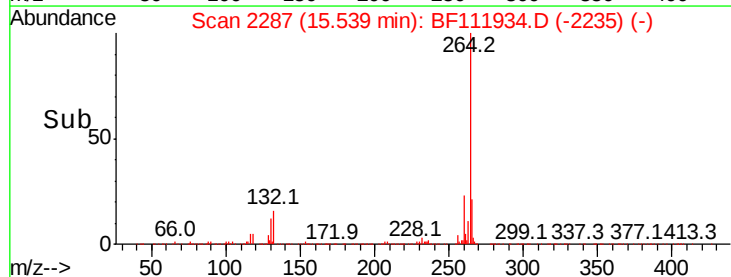
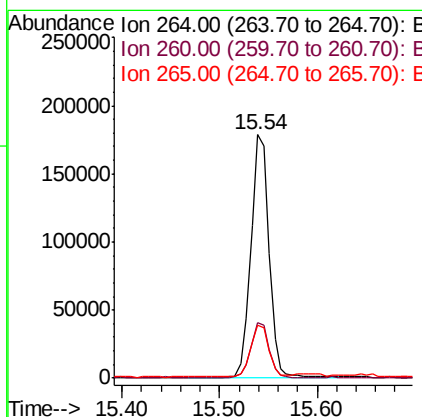
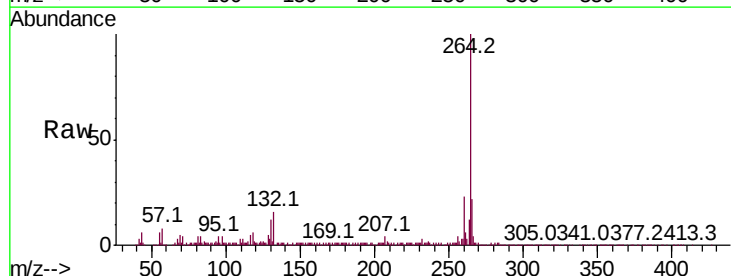
Instrument :
BNA_F
ClientSampleId :

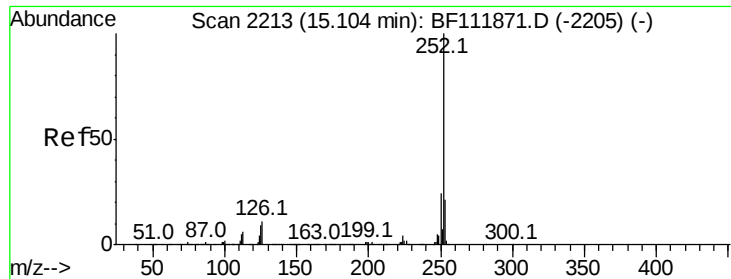
Tot Ion:276 Resp: 66410
Ion Ratio Lower Upper
276 100
138 20.1 18.1 27.1
277 25.1 19.9 29.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion:264 Resp: 231009
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.6 17.1 25.7

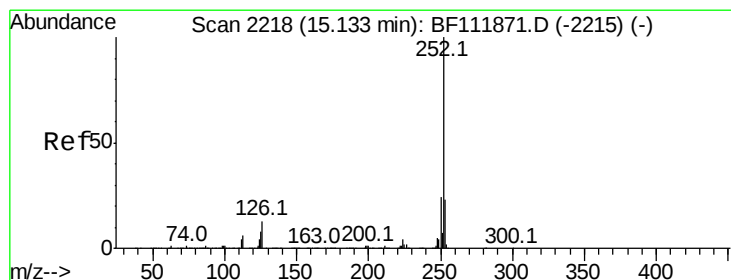
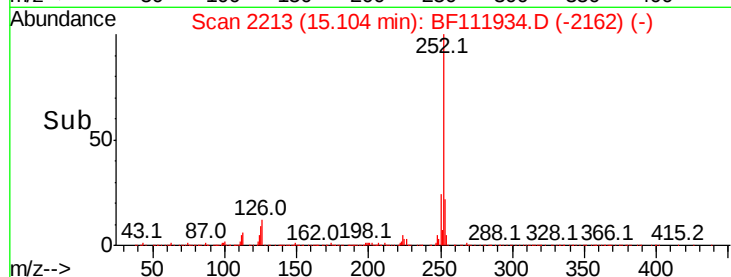
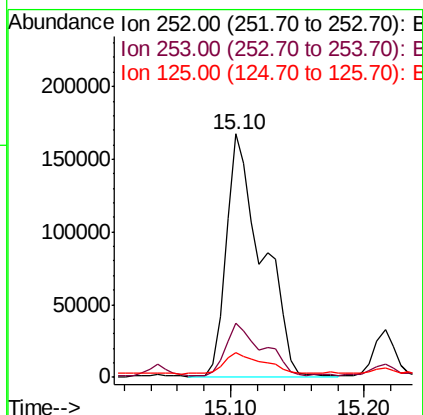
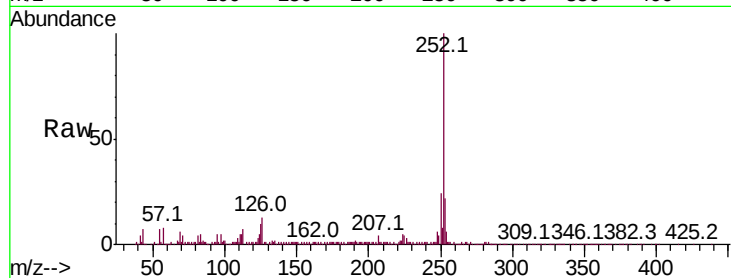




#88
Benzo(b)fluoranthene
Concen: 22.566 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

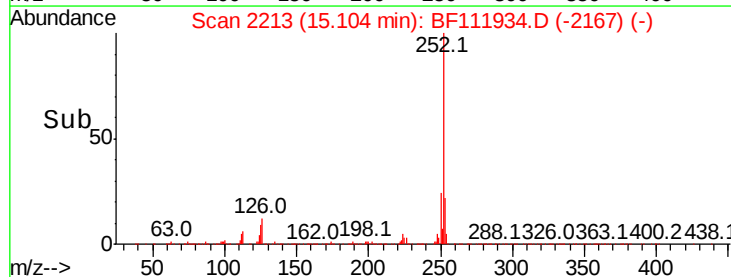
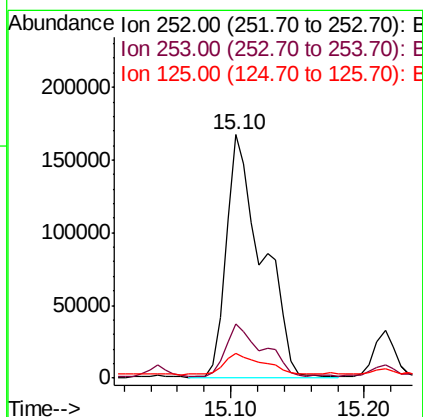
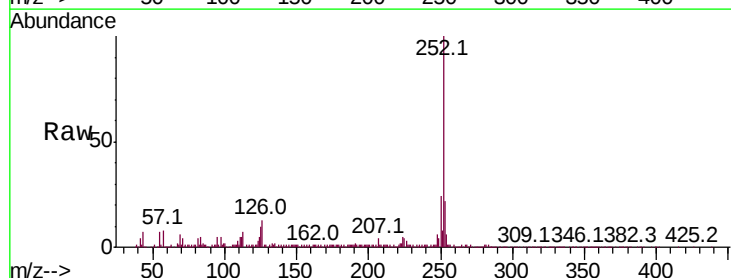
Instrument :
BNA_F
ClientSampleId :

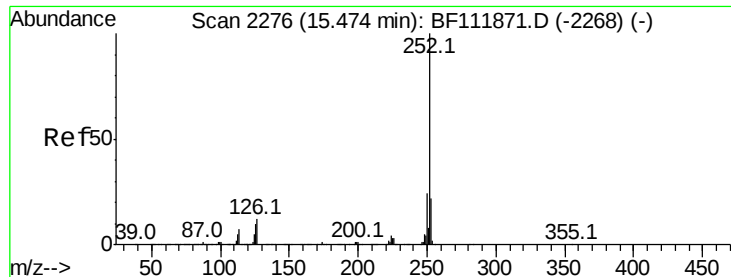
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	10.3	7.1	10.7



#89
Benzo(k)fluoranthene
Concen: 24.006 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF111934.D
Acq: 9 Jan 2019 4:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.3	7.0	10.4





#90

Benzo(a)pyrene

Concen: 14.037 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

Instrument :

BNA_F

ClientSampleId :

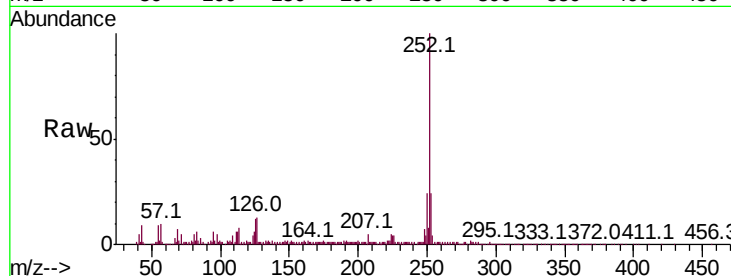
Tot Ion:252 Resp: 170558

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

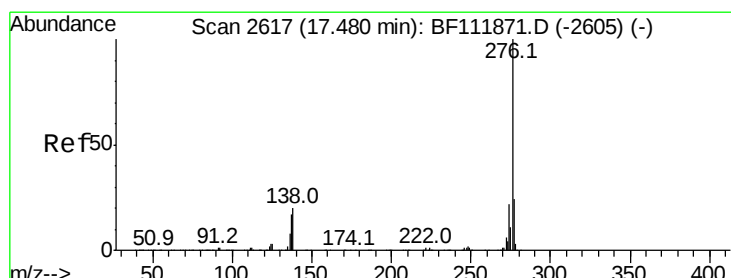
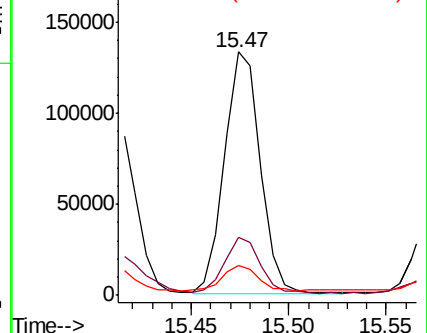
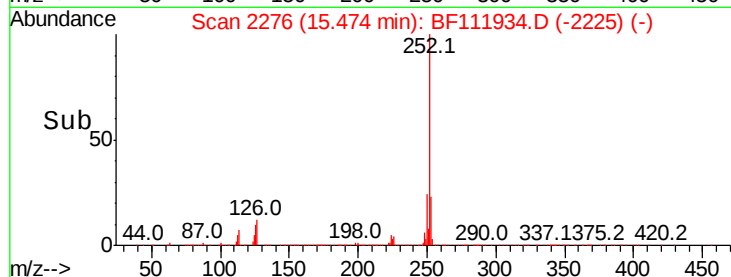
125 12.4 7.9 11.9#



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: 6.087 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.01 min

Lab File: BF111934.D

Acq: 9 Jan 2019 4:29

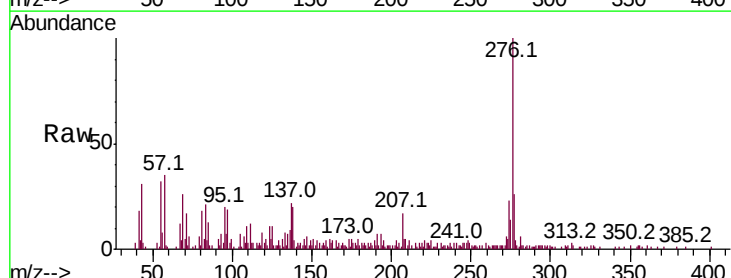
Tgt Ion:276 Resp: 58181

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.6

138 20.3 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

