

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111935.D
 Acq On : 9 Jan 2019 4:56
 Operator : JU/SJ
 Sample : K1075-17DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 05:23:53 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	100602	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	321084	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	145881	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	296975	20.00	ng	0.00
76) Chrysene-d12	14.06	240	241511	20.00	ng	0.00
87) Perylene-d12	15.54	264	165597	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	74304	12.64	ng	0.00
7) Phenol-d6	6.52	99	91440	12.06	ng	-0.01
23) Nitrobenzene-d5	7.44	82	46746	7.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	17099	9.01	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	73115	7.31	ng	-0.01
79) Terphenyl-d14	12.99	244	78668	6.18	ng	0.00

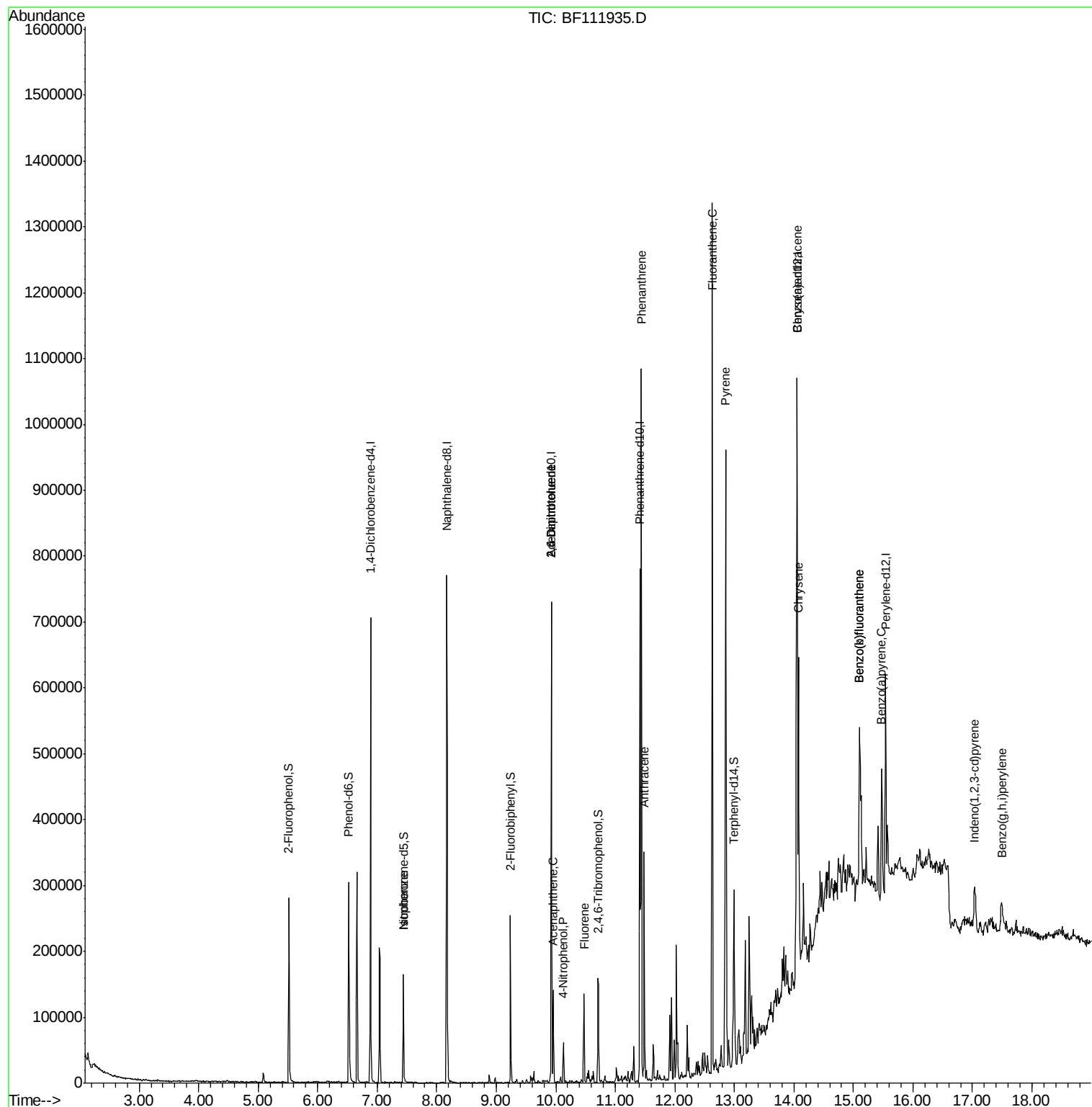
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	1594	Below Cal		# 67
25) Isophorone	7.44	82	46745	4.805	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	19154	7.816	ng	# 26
52) Acenaphthene	9.96	154	27274	2.988	ng	98
56) 4-Nitrophenol	10.13	139	8186	4.415	ng	# 5
57) 2,4-Dinitrotoluene	9.93	165	19154	6.049	ng	# 26
58) Fluorene	10.47	166	36913	3.821	ng	97
71) Phenanthrene	11.44	178	403329	25.402	ng	98
72) Anthracene	11.49	178	137696	8.543	ng	97
75) Fluoranthene	12.63	202	512319	31.431	ng	98
78) Pyrene	12.86	202	389519	23.440	ng	99
81) Benzo(a)anthracene	14.04	228	216356	15.566	ng	98
83) Chrysene	14.08	228	166160	12.538	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	43601	4.513	ng	97
88) Benzo(b)fluoranthene	15.10	252	202669	20.459	ng	# 97
89) Benzo(k)fluoranthene	15.10	252	202669	21.766	ng	# 98
90) Benzo(a)pyrene	15.47	252	102149	11.728	ng	# 97
92) Benzo(g,h,i)perylene	17.49	276	37694	5.501	ng	# 89

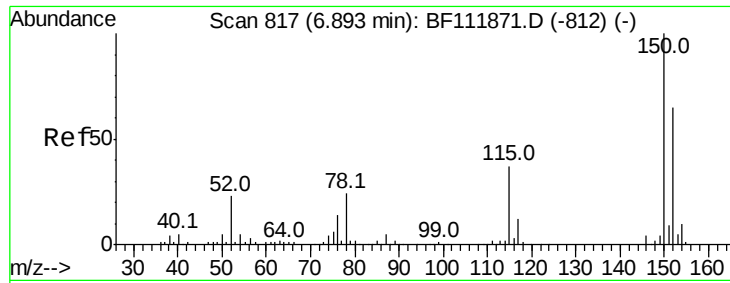
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111935.D
Acq On : 9 Jan 2019 4:56
Operator : JU/SJ
Sample : K1075-17DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Jan 09 05:23:53 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



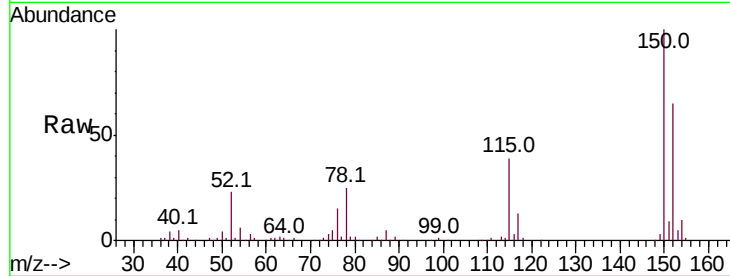


#1

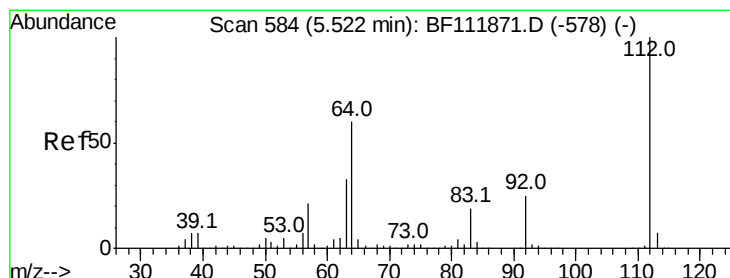
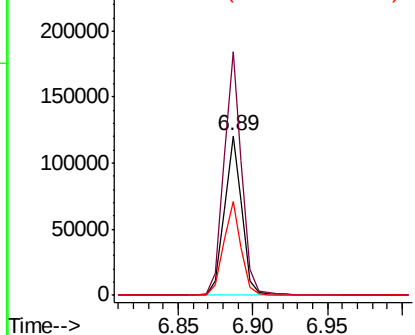
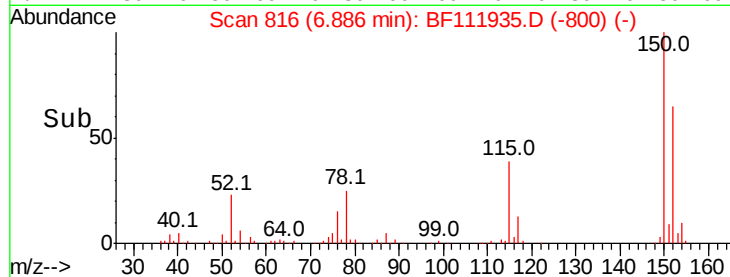
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 100602
 Ion Ratio Lower Upper
 152 100
 150 152.9 122.7 184.1
 115 59.0 45.2 67.8



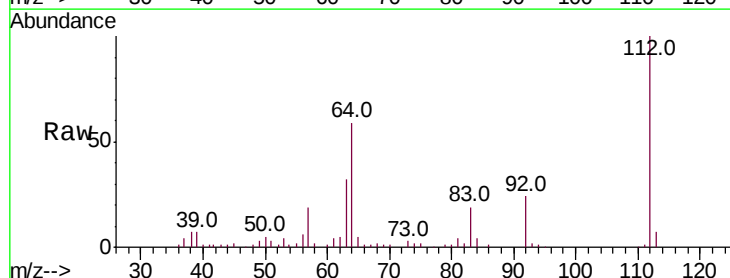
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



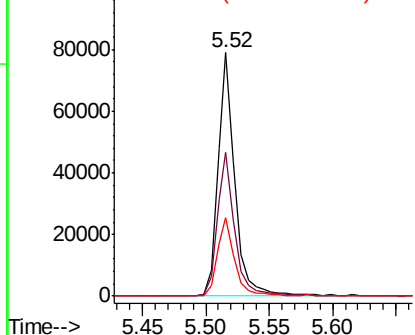
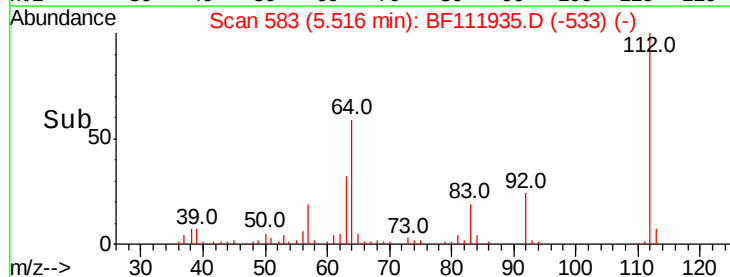
#5

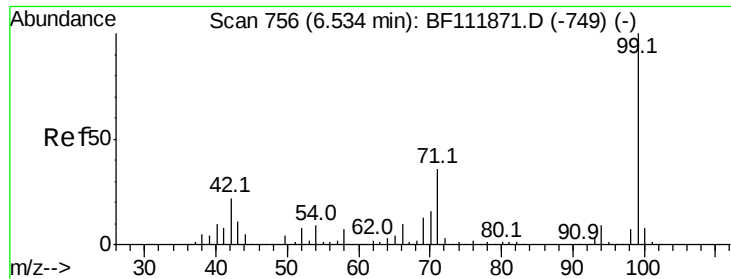
2-Fluorophenol
 Concen: 12.636 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Tgt Ion:112 Resp: 74304
 Ion Ratio Lower Upper
 112 100
 64 59.0 48.3 72.5
 63 32.2 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: 12.065 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

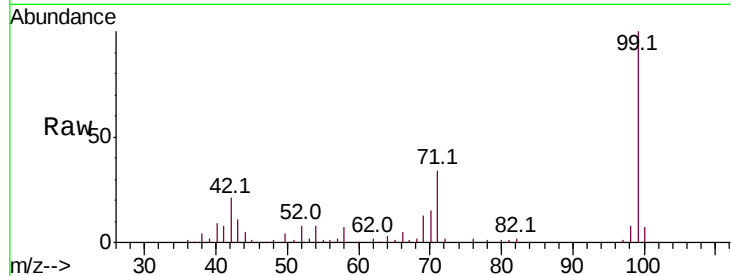
Tot Ion: 99 Resp: 91440

Ion Ratio Lower Upper

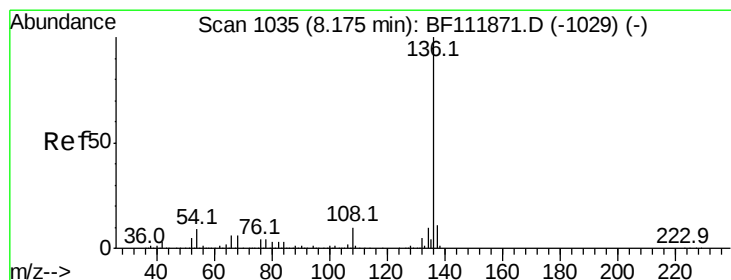
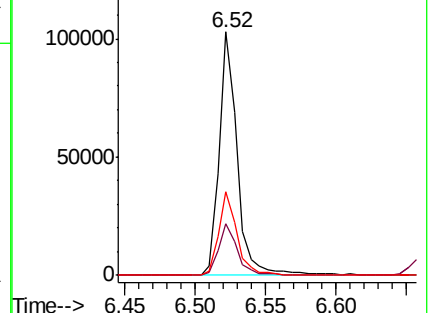
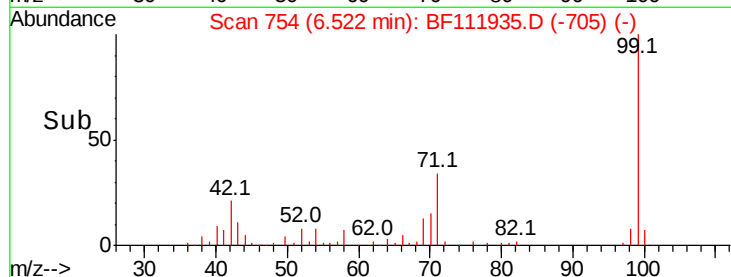
99 100

42 21.4 17.9 26.9

71 34.2 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: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion: 136 Resp: 321084

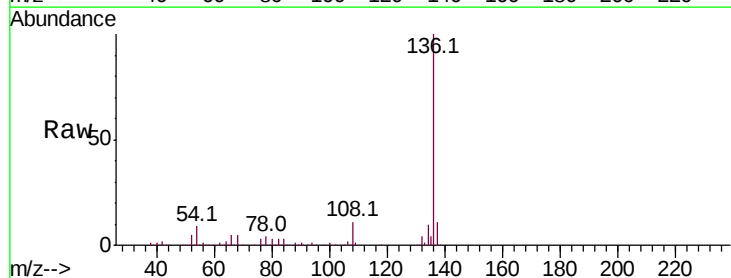
Ion Ratio Lower Upper

136 100

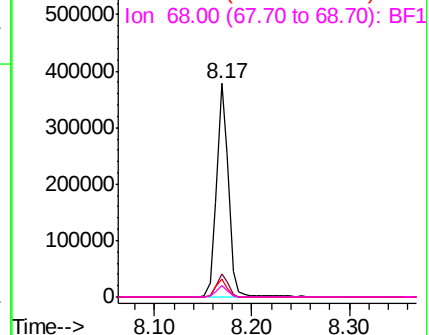
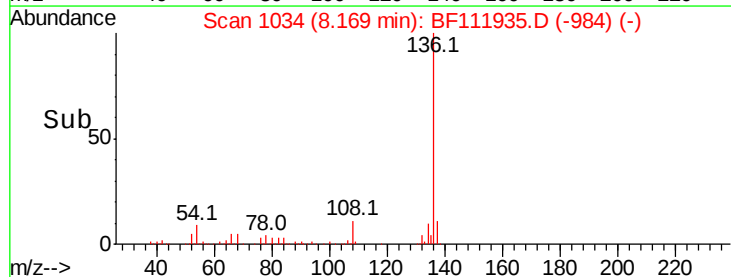
137 11.1 9.1 13.7

54 8.7 7.2 10.8

68 5.2 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

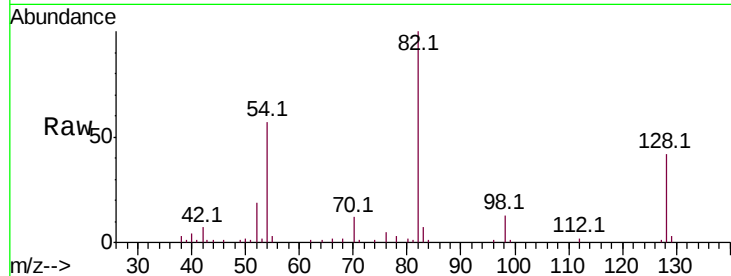




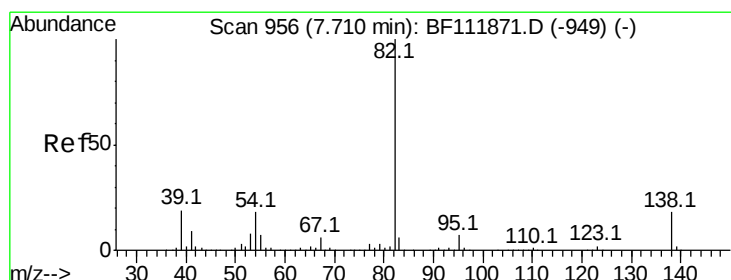
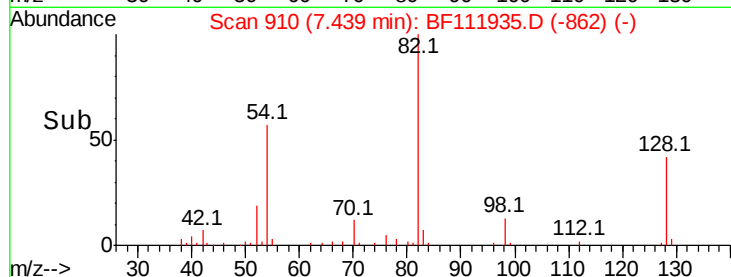
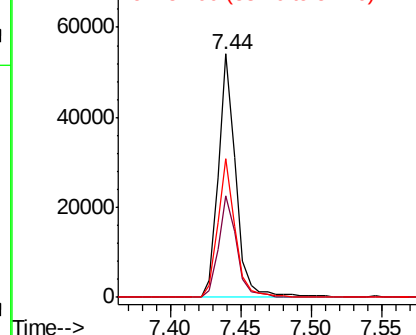
#23
 Nitrobenzene-d5
 Concen: 7.781 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 46746
 Ion Ratio Lower Upper
 82 100
 128 41.6 35.7 53.5
 54 56.8 45.8 68.8

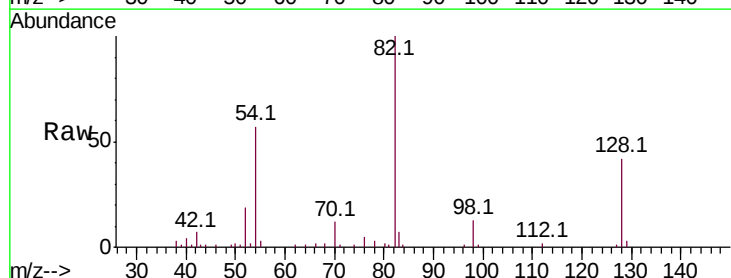


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

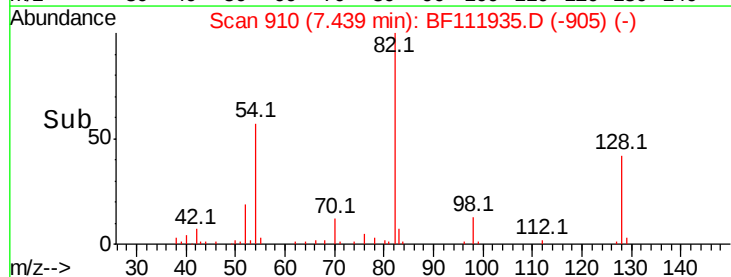
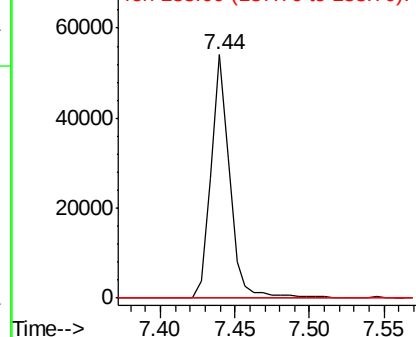


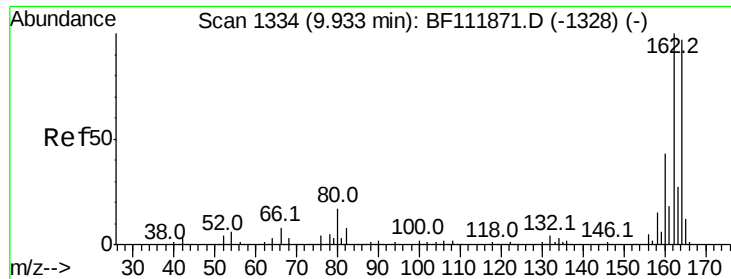
#25
 Isophorone
 Concen: 4.805 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Tgt Ion: 82 Resp: 46745
 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: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

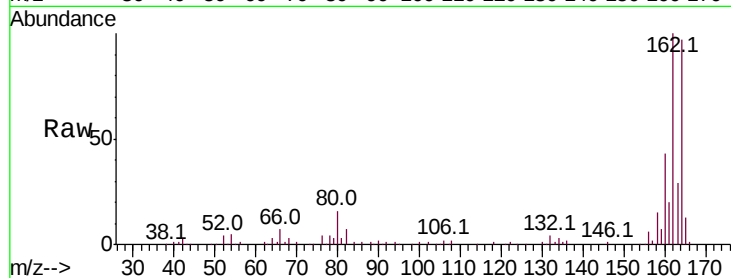
Tot Ion:164 Resp: 145881

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.2

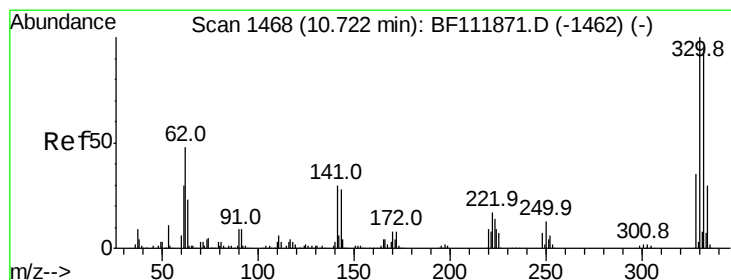
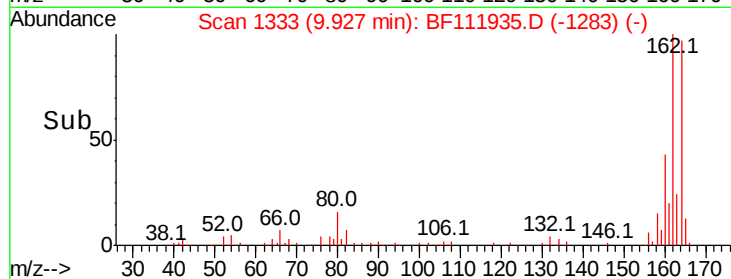
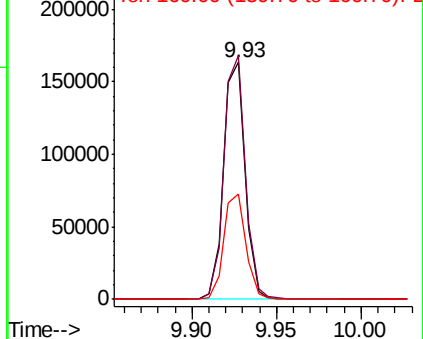
160 44.7 35.5 53.3



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: 9.011 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

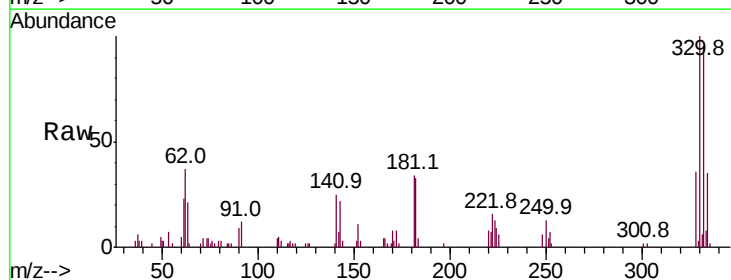
Tgt Ion:330 Resp: 17099

Ion Ratio Lower Upper

330 100

332 98.9 76.9 115.3

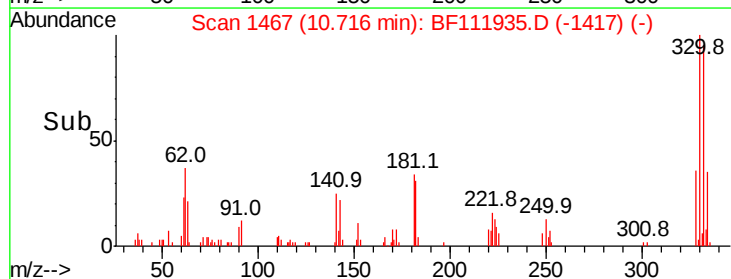
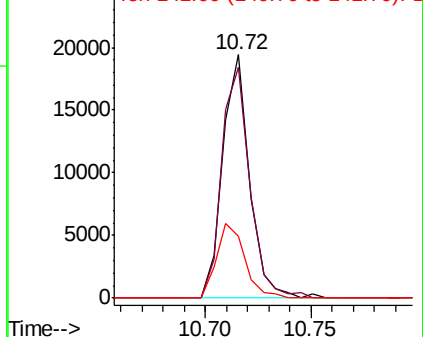
141 32.2 23.7 35.5

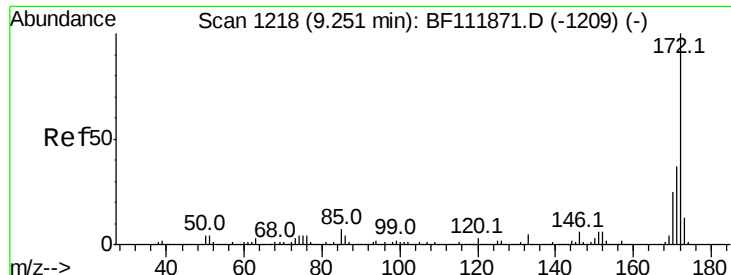


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

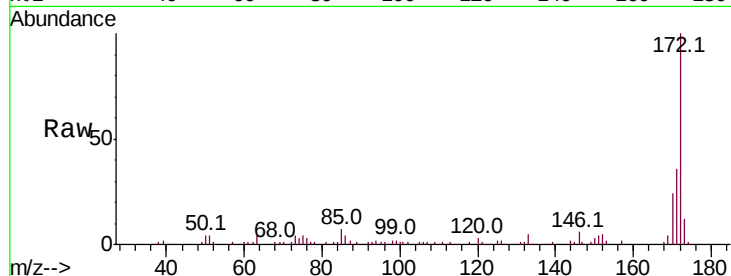




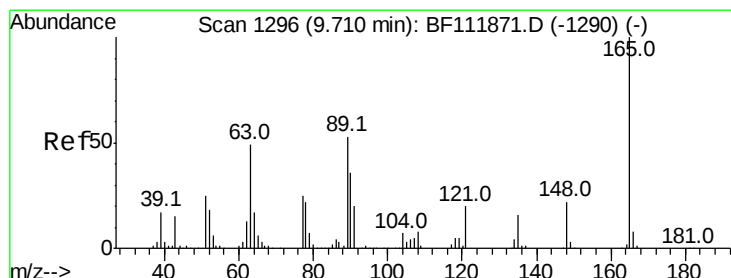
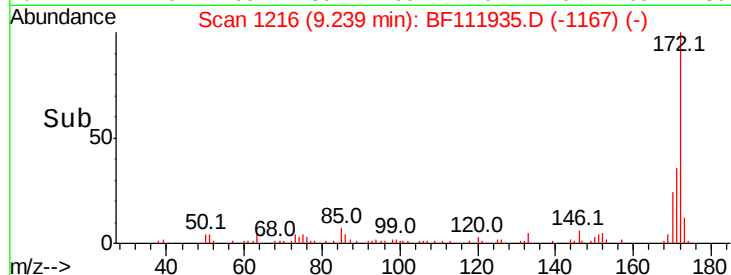
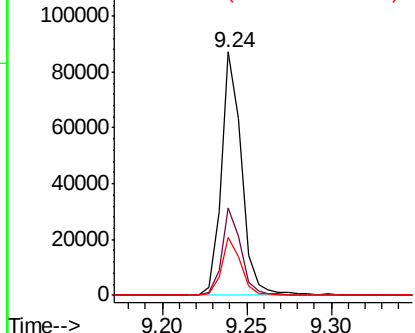
#45
2-Fluorobiphenyl
Concen: 7.308 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 73115
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.9 19.8 29.8

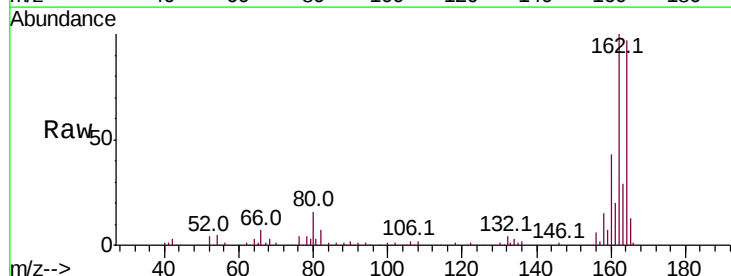


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

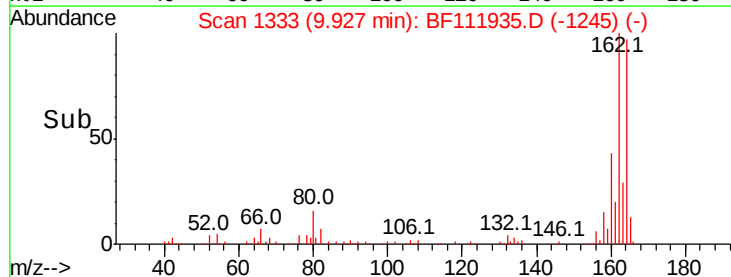
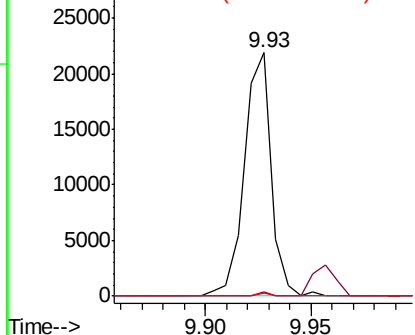


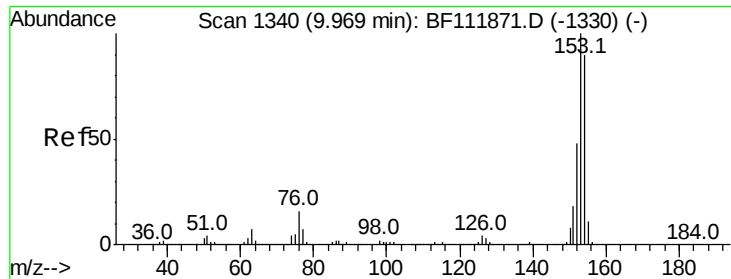
#51
2,6-Dinitrotoluene
Concen: 7.816 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion:165 Resp: 19154
Ion Ratio Lower Upper
165 100
63 1.6 46.2 69.2#
89 1.4 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





#52

Acenaphthene

Concen: 2.988 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

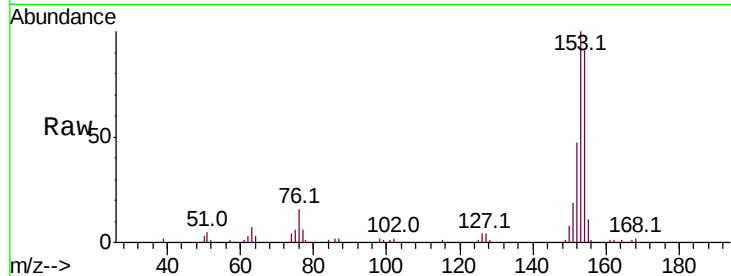
Tot Ion:154 Resp: 27274

Ion Ratio Lower Upper

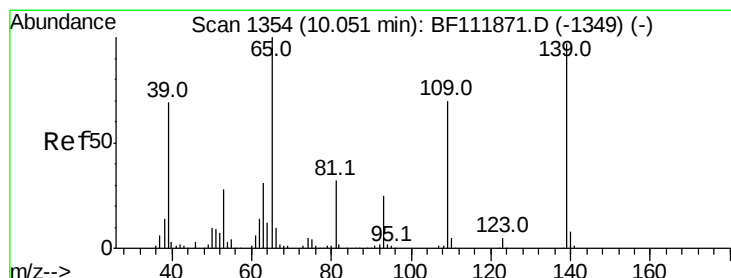
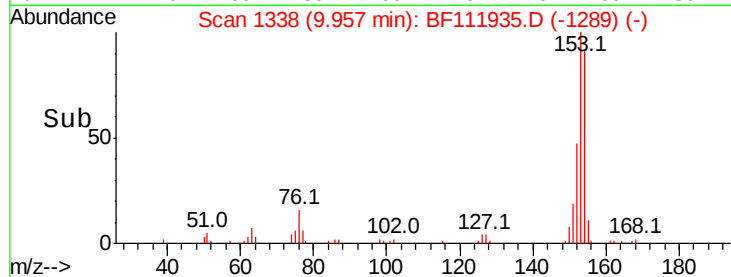
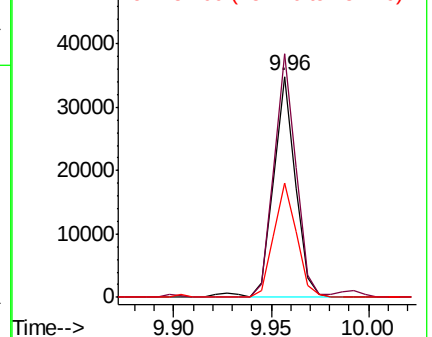
154 100

153 110.3 89.4 134.0

152 51.9 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



#56

4-Nitrophenol

Concen: 4.415 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.08 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

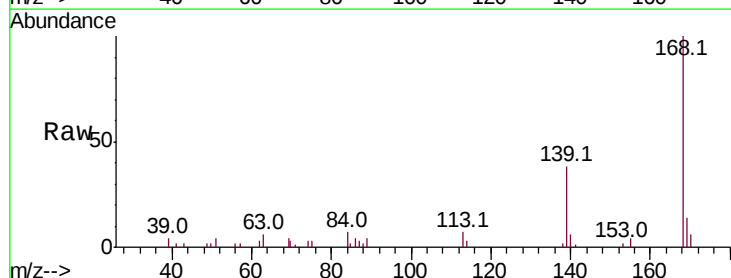
Tgt Ion:139 Resp: 8186

Ion Ratio Lower Upper

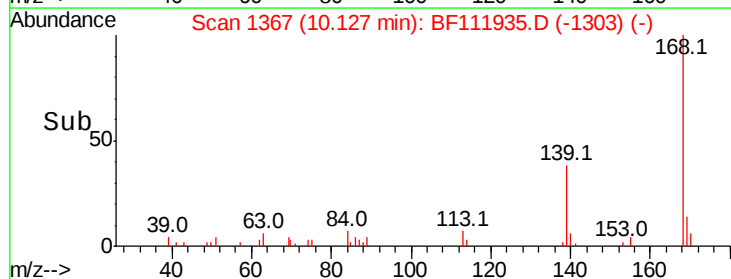
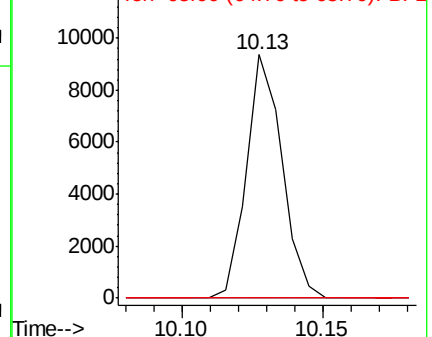
139 100

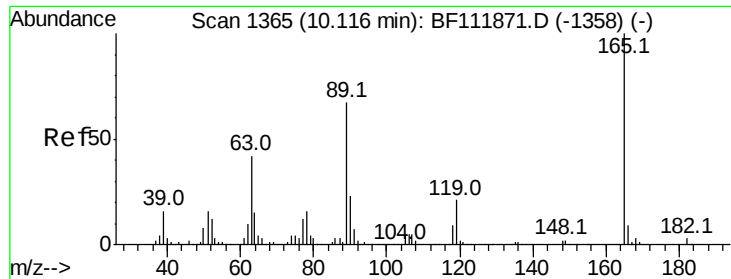
109 0.0 52.2 92.2#

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





#57

2,4-Dinitrotoluene

Concen: 6.049 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 19154

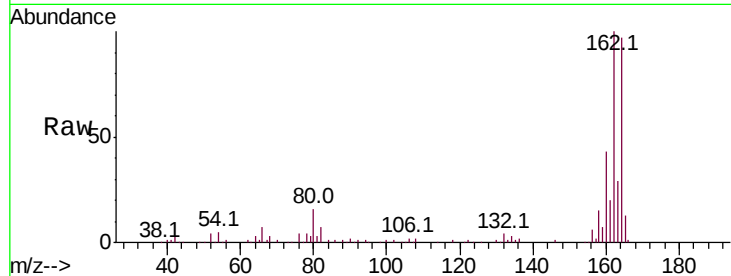
Ion Ratio Lower Upper

165 100

63 1.6 34.1 51.1#

89 1.4 53.5 80.3#

182 0.0 2.0 3.0#

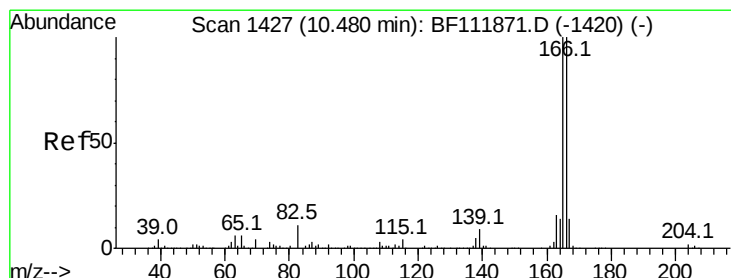
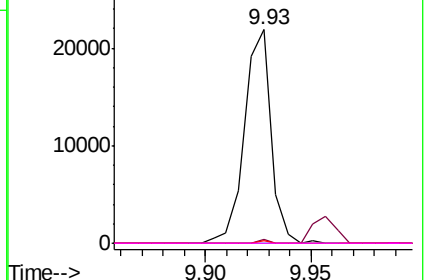
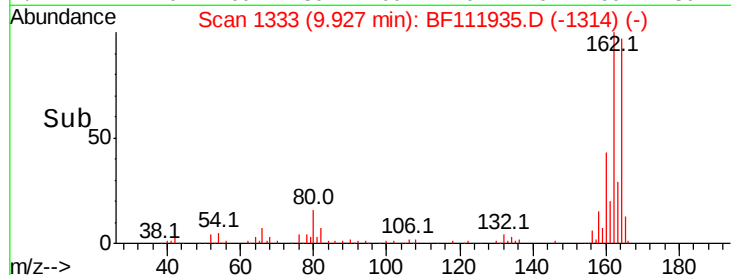


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 3.821 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

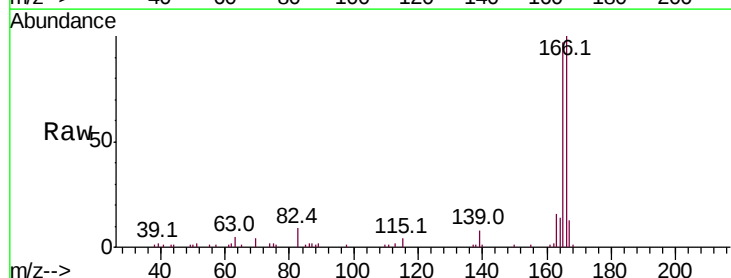
Tgt Ion:166 Resp: 36913

Ion Ratio Lower Upper

166 100

165 96.5 79.7 119.5

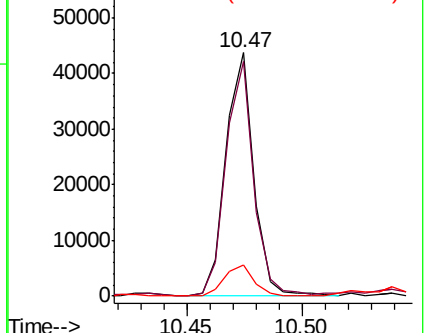
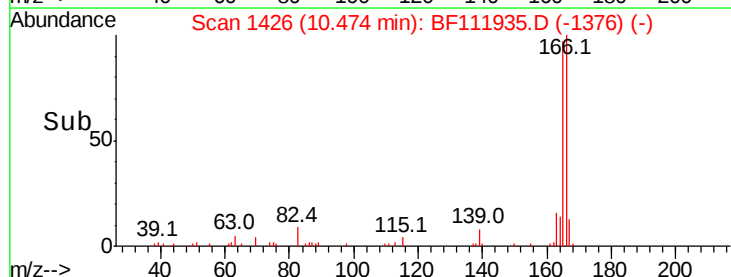
167 12.8 11.1 16.7

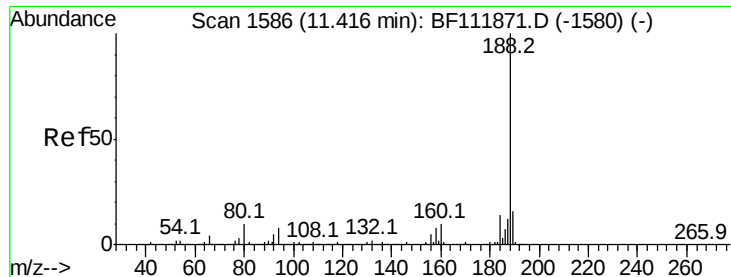


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

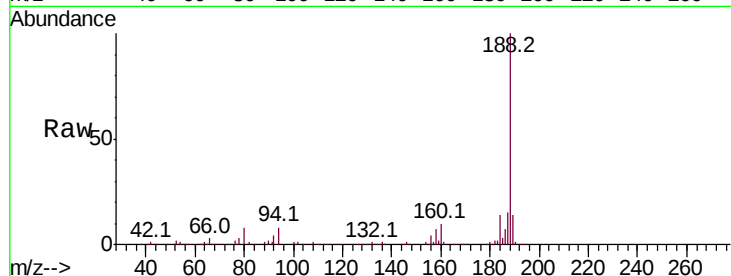
Tot Ion:188 Resp: 296975

Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

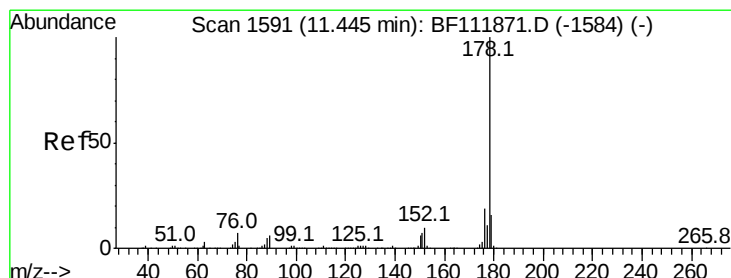
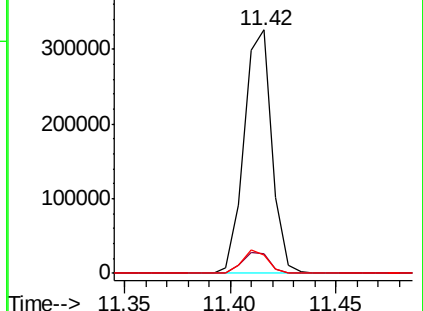
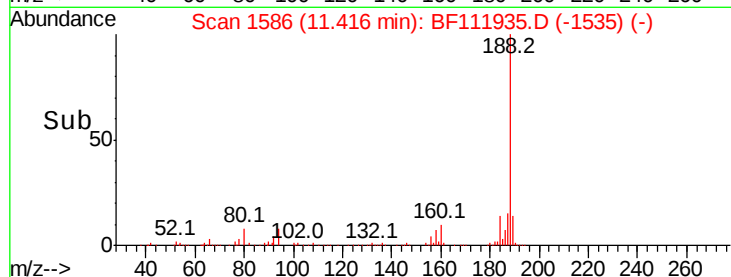
80 7.7 7.7 11.5



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: 25.402 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

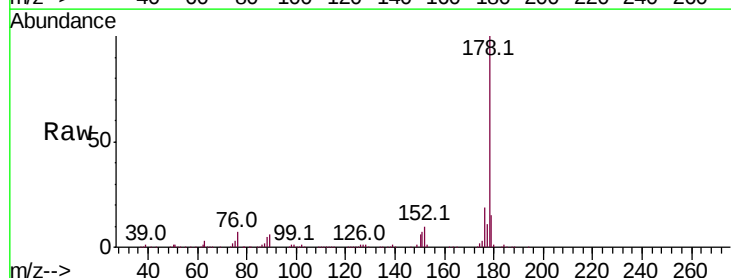
Tgt Ion:178 Resp: 403329

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

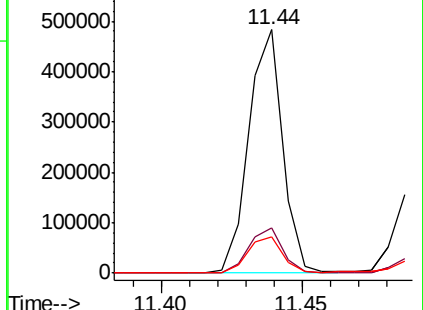
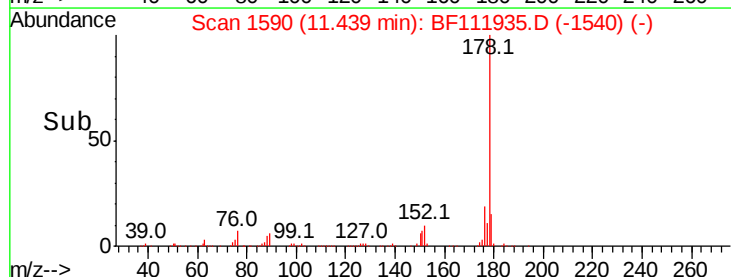
179 15.1 12.6 18.8

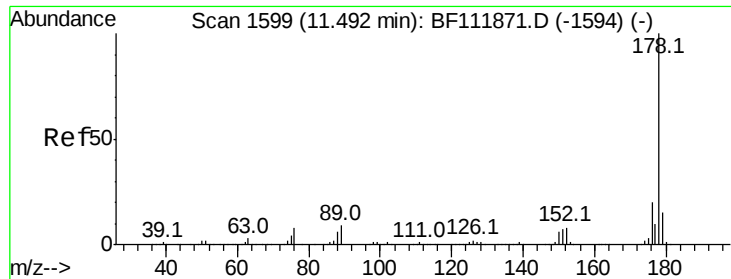


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

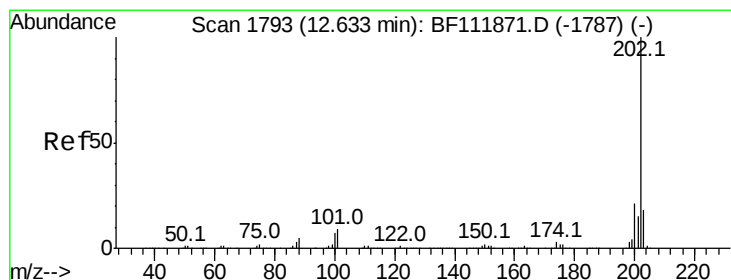
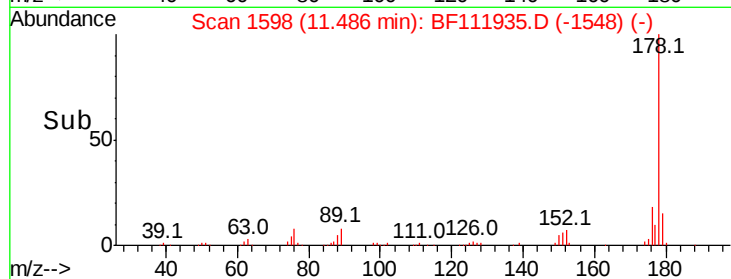
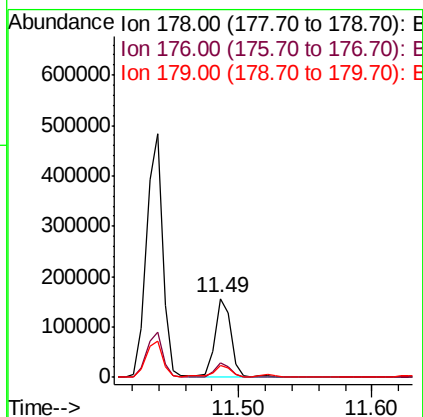
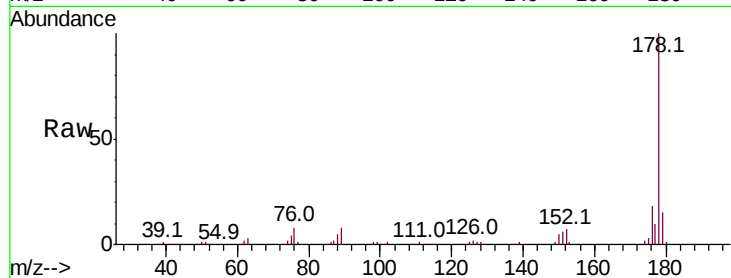




#72
 Anthracene
 Concen: 8.543 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

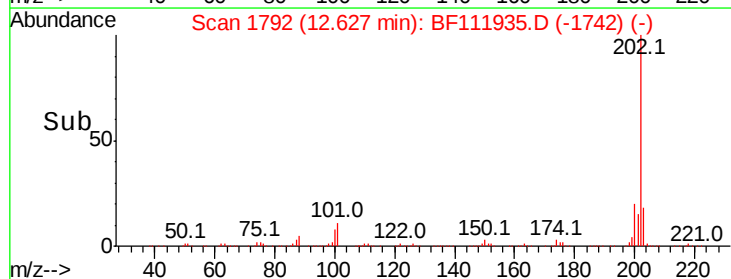
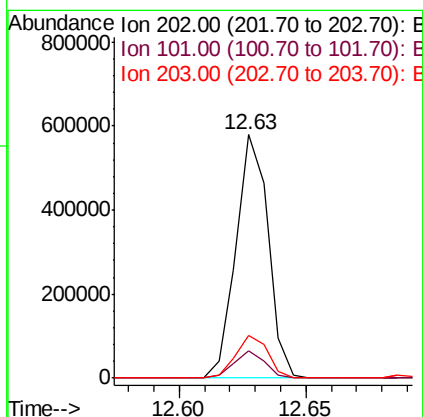
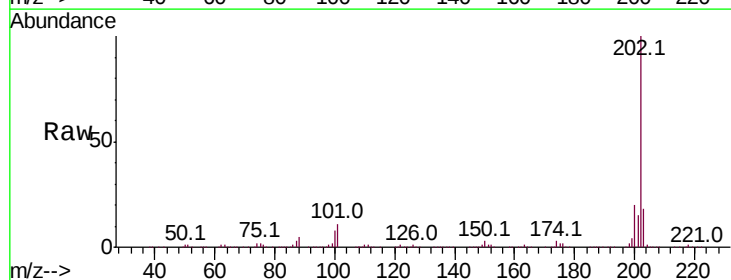
Instrument :
 BNA_F
 ClientSampleId :

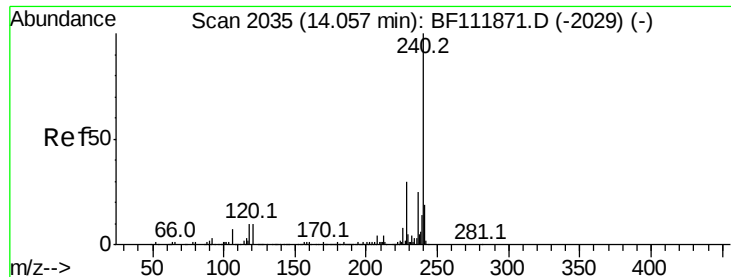
Tot Ion:178 Resp: 137696
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.7 23.5
 179 14.9 12.4 18.6



#75
 Fluoranthene
 Concen: 31.431 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Tgt Ion:202 Resp: 512319
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.3
 203 17.7 0.0 37.6

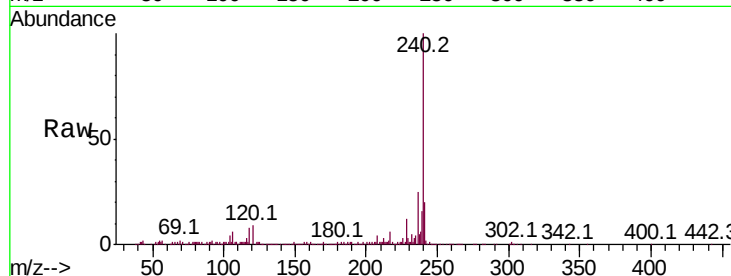




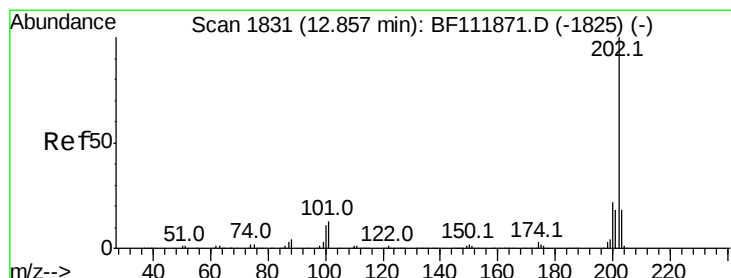
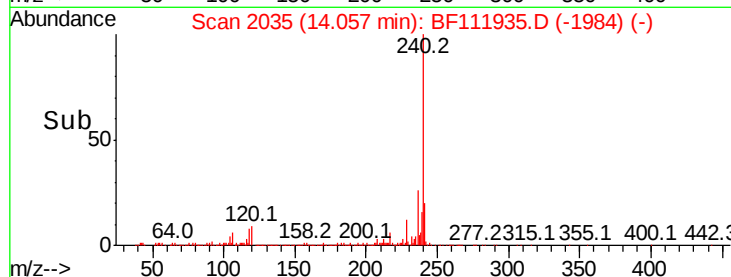
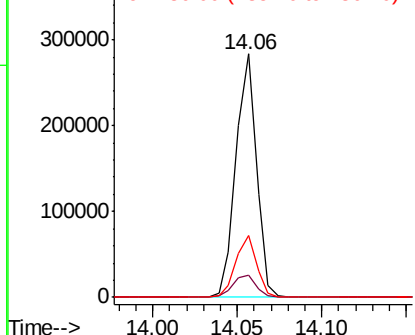
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 241511
Ion Ratio Lower Upper
240 100
120 9.1 8.2 12.2
236 25.5 20.2 30.4

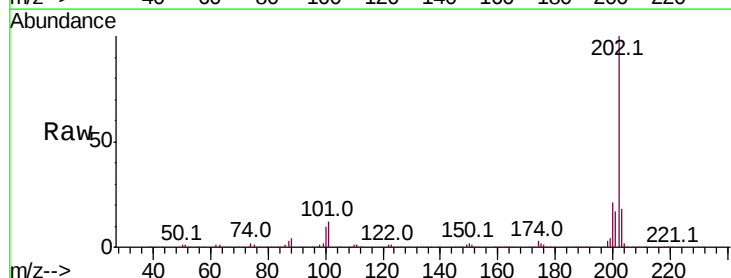


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

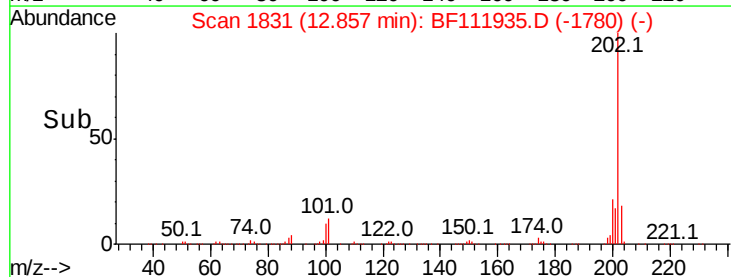
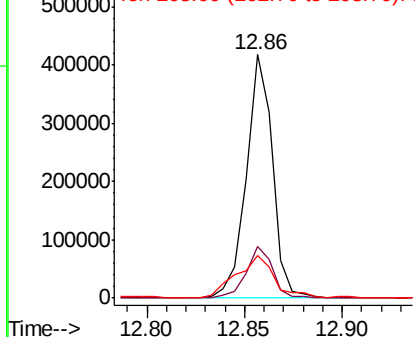


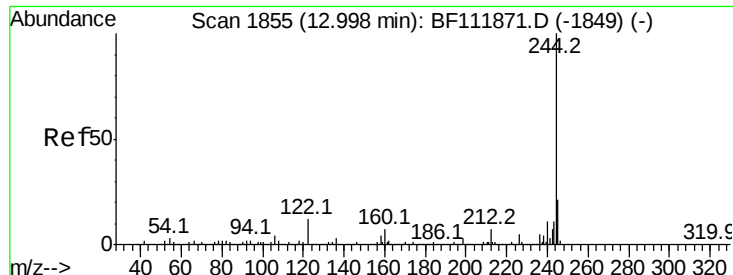
#78
Pyrene
Concen: 23.440 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion:202 Resp: 389519
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.7 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: 6.183 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

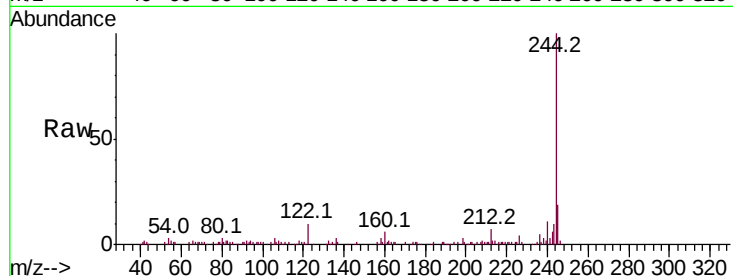
Tot Ion:244 Resp: 78668

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

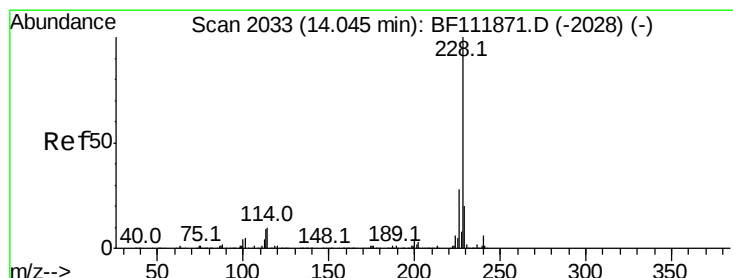
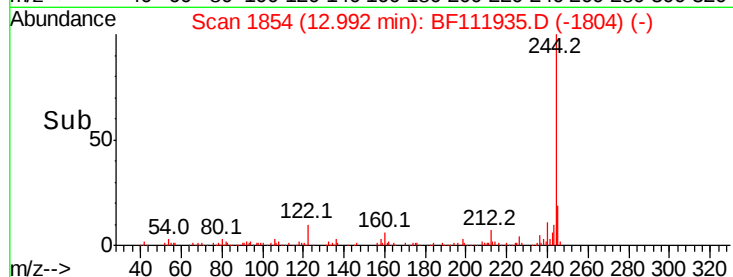
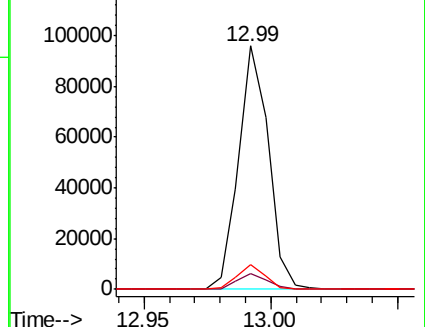
122 10.3 9.5 14.3



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: 15.566 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

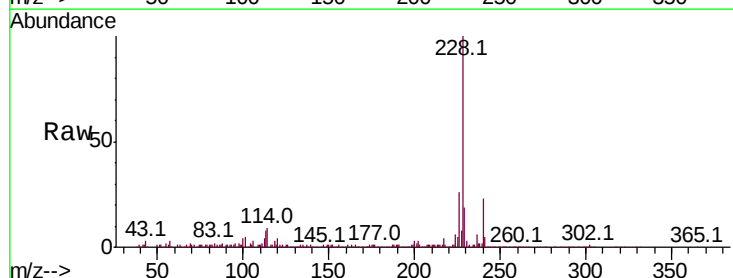
Tgt Ion:228 Resp: 216356

Ion Ratio Lower Upper

228 100

226 26.4 22.2 33.2

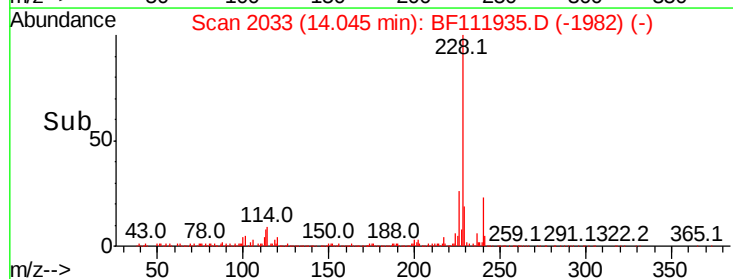
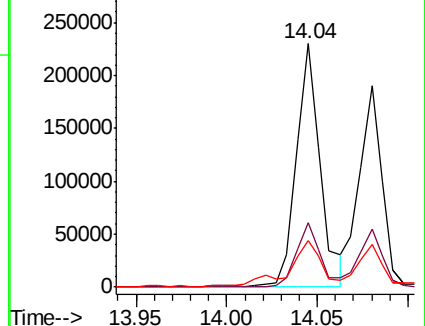
229 19.2 16.2 24.2

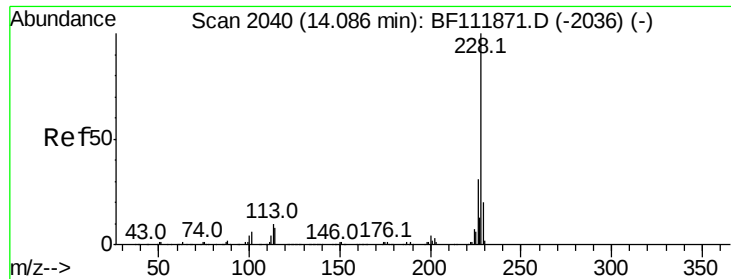


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

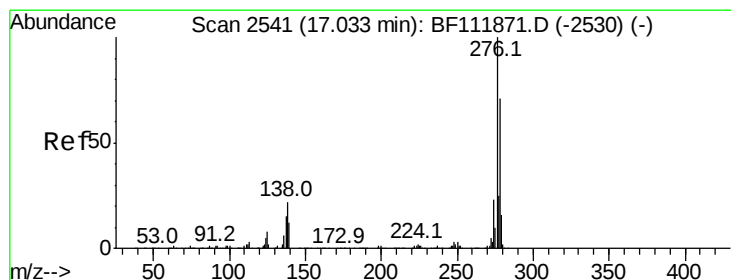
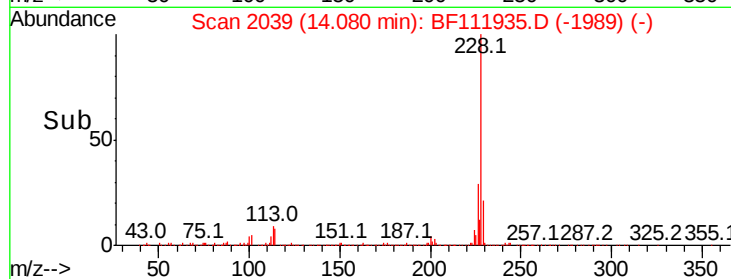
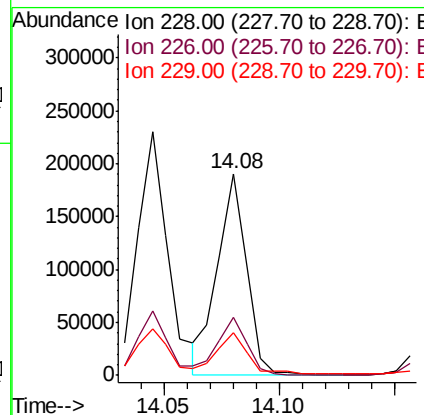
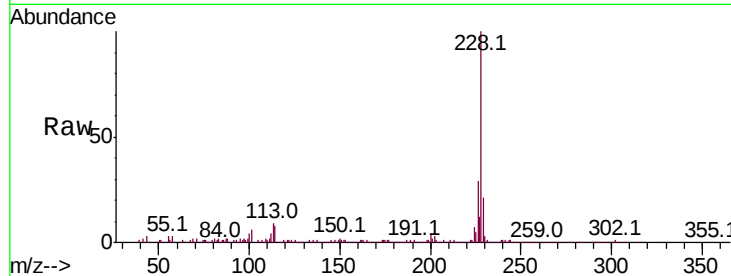




#83
Chrysene
Concen: 12.538 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

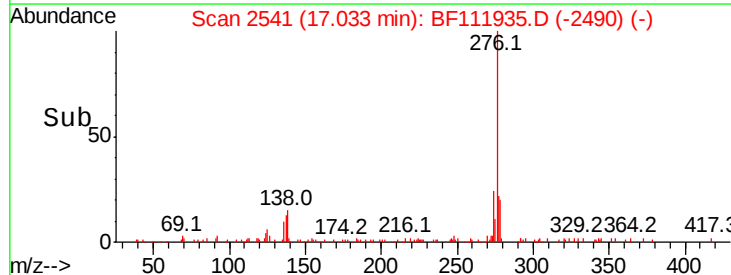
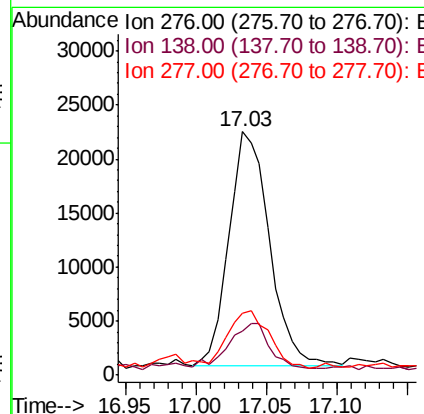
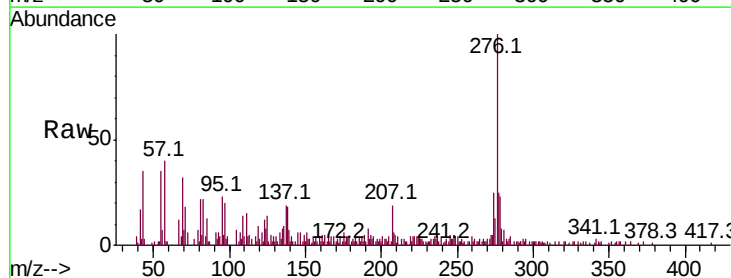
Instrument :
BNA_F
ClientSampleId :

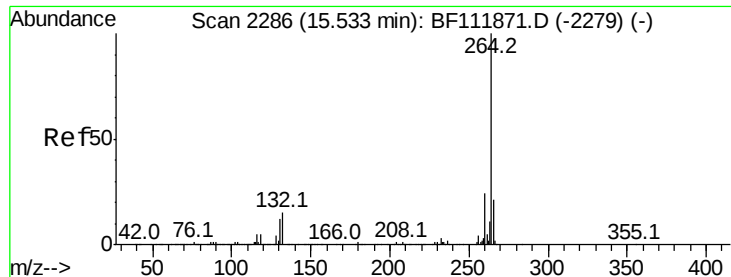
Tot Ion:228 Resp: 166160
Ion Ratio Lower Upper
228 100
226 28.8 24.6 37.0
229 21.1 15.7 23.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.513 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion:276 Resp: 43601
Ion Ratio Lower Upper
276 100
138 20.1 18.1 27.1
277 24.5 19.9 29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampleId :

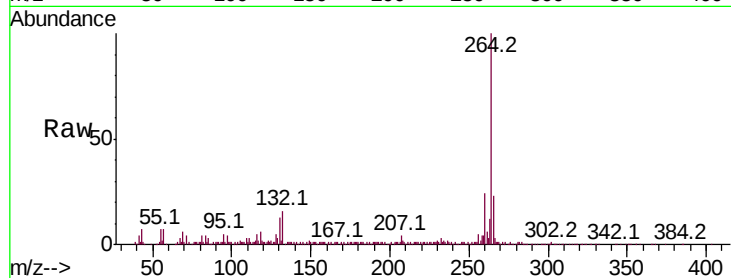
Tot Ion:264 Resp: 165597

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

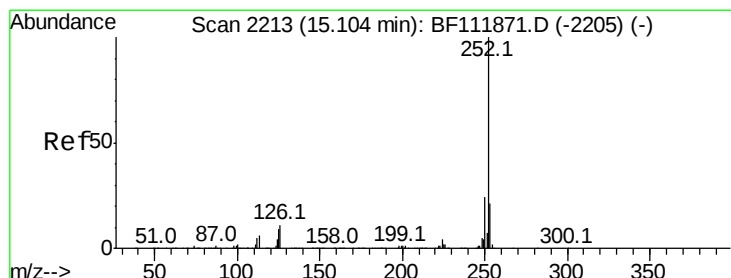
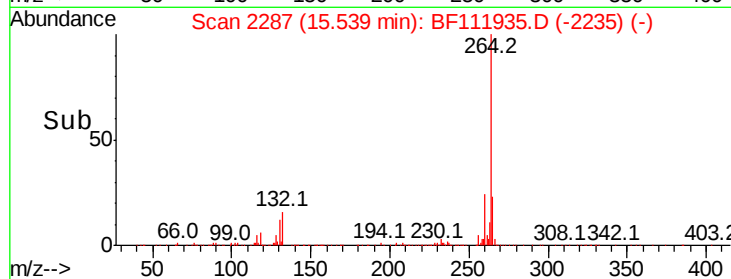
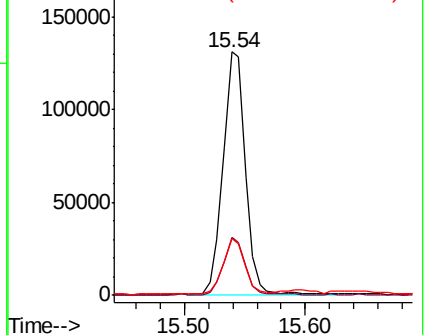
265 23.5 17.1 25.7



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: 20.459 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

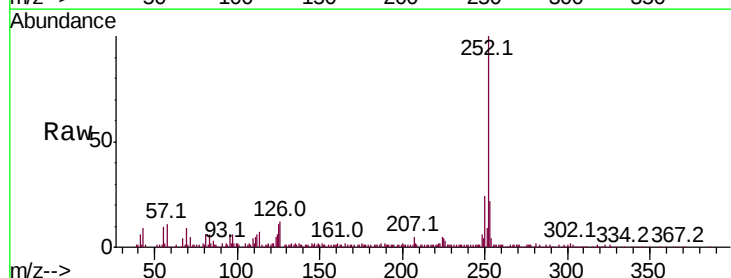
Tgt Ion:252 Resp: 202669

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

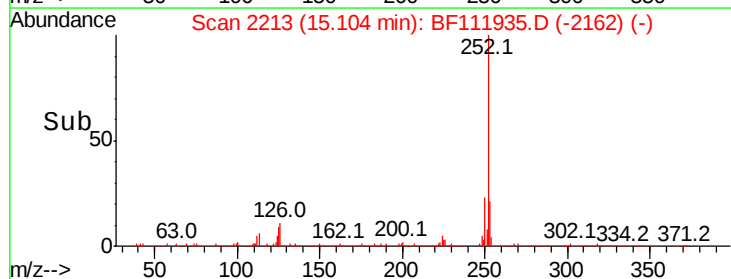
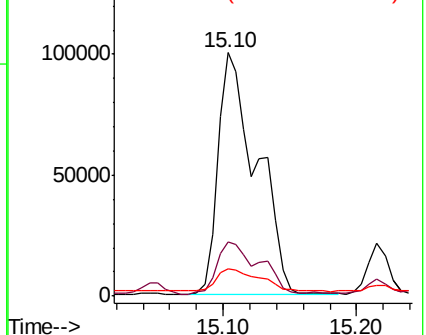
125 11.3 7.1 10.7#

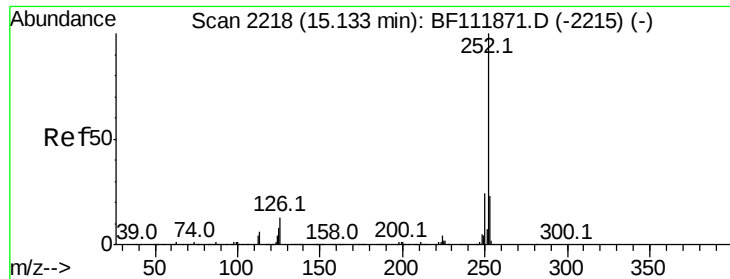


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.766 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.03 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

ClientSampled :

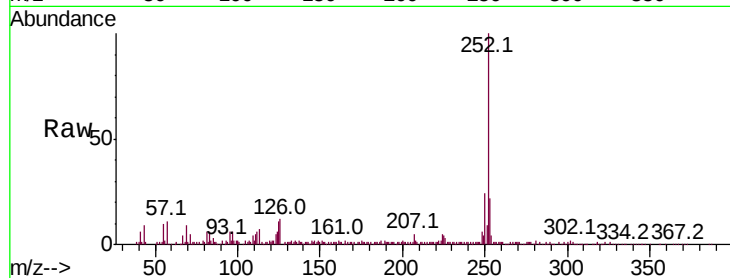
Tot Ion:252 Resp: 202669

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

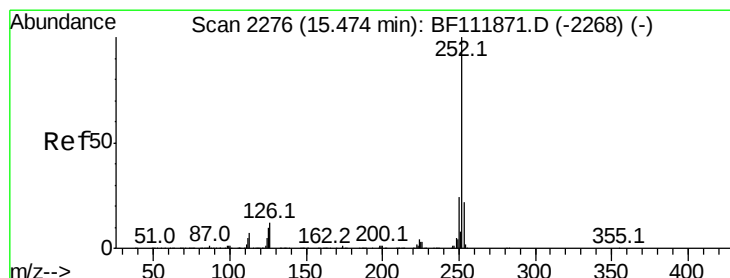
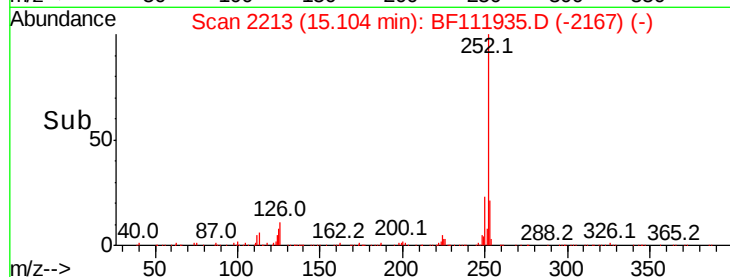
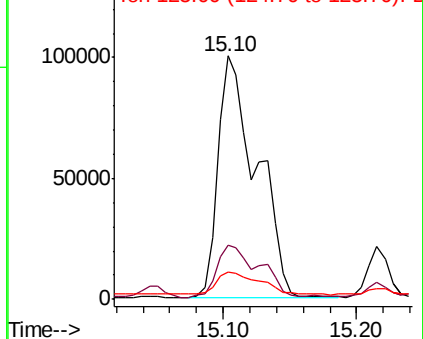
125 11.3 7.0 10.4#



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



#90

Benzo(a)pyrene

Concen: 11.728 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

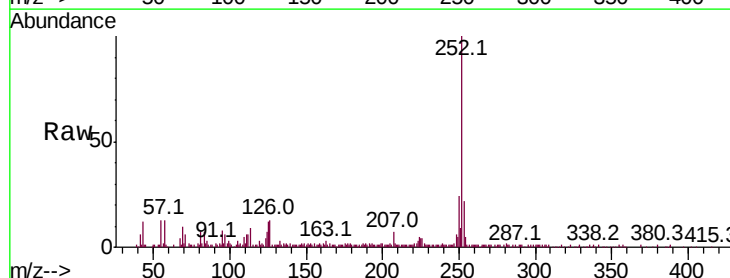
Tgt Ion:252 Resp: 102149

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

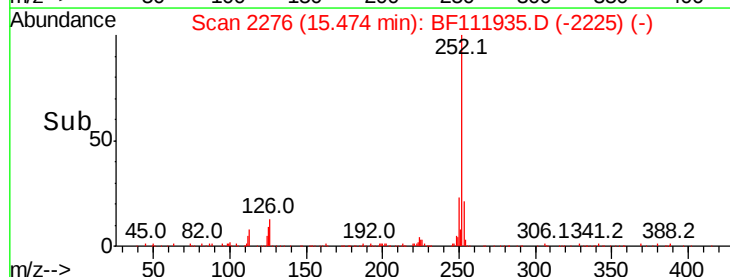
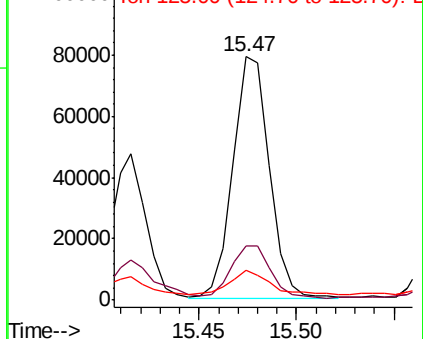
125 12.3 7.9 11.9#

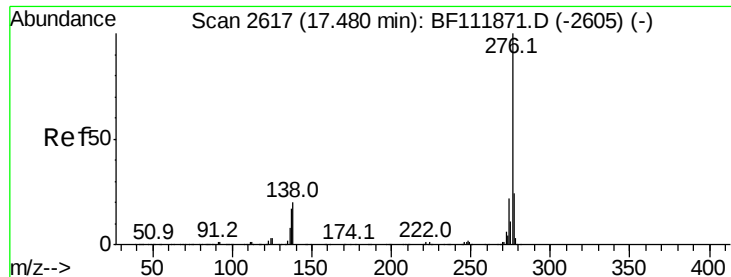


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.501 ng
 RT: 17.49 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 37694
 Ion Ratio Lower Upper
 276 100
 277 31.3 19.0 28.6#
 138 23.1 16.2 24.2

