

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102086.D
 Acq On : 16 Jan 2018 1:47
 Operator : SJ/JU
 Sample : J1136-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:55:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	179837	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	678926	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	251245	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	338692	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	303408	20.00	ng	-0.01
86) Perylene-d12	15.29	264	264967	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1197647	94.04	ng	0.01
7) Phenol-d6	6.36	99	1416734	93.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	896674	77.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	215181	98.14	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1306169	81.22	ng	-0.01
78) Terphenyl-d14	12.82	244	797767	54.59	ng	-0.01

Target Compounds

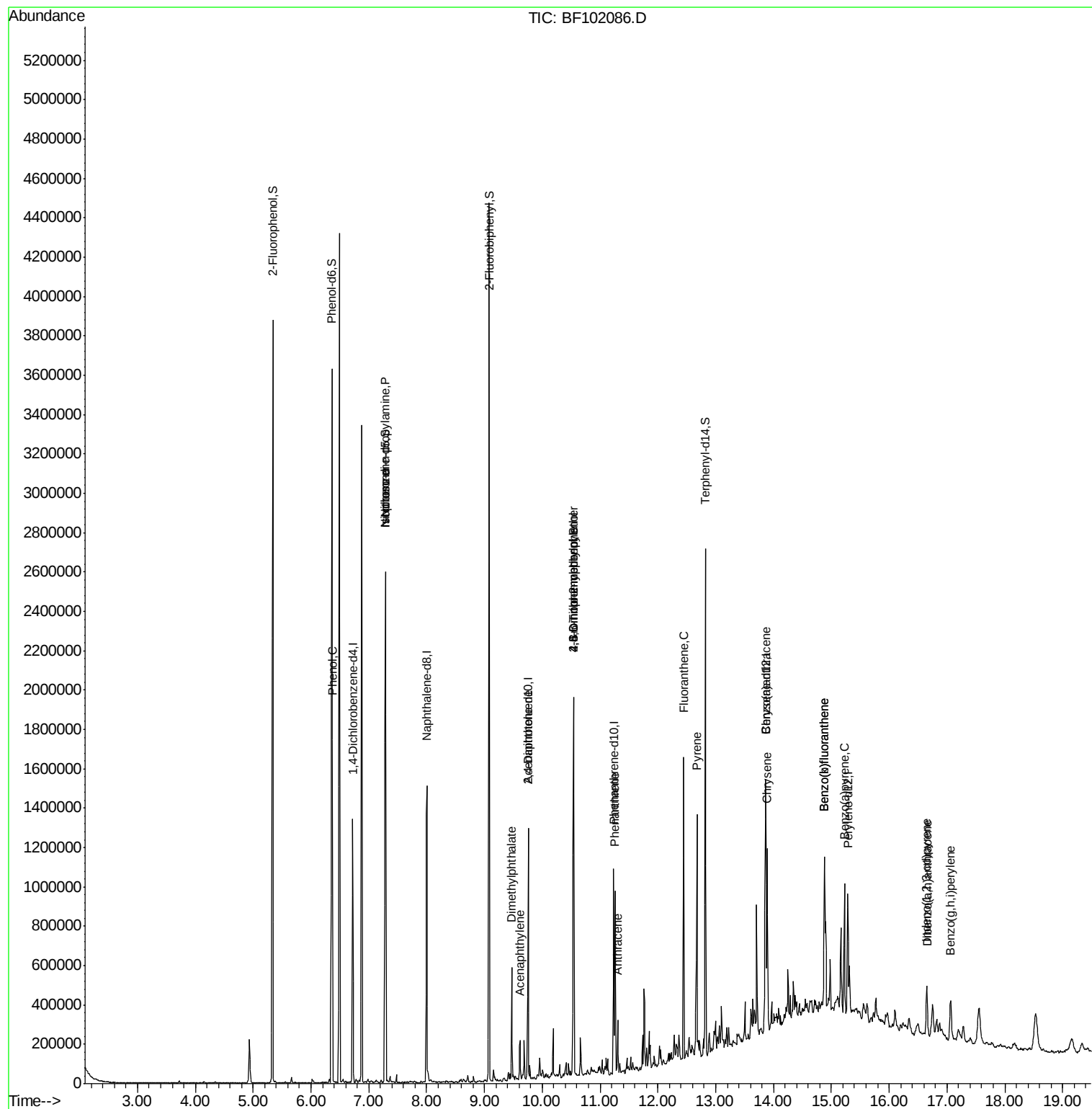
						Qvalue
10) Phenol	6.37	94	58453	3.404	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	119582	12.009	ng	# 80
25) Isophorone	7.29	82	893951	39.159	ng	# 64
48) Acenaphthylene	9.62	152	79820	2.921	ng	97
49) Dimethylphthalate	9.47	163	189090	9.382	ng	99
56) 2,4-Dinitrotoluene	9.75	165	32677	6.476	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	543	5.923	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	13530	3.783	ng	# 1
70) Phenanthrene	11.26	178	306632	15.499	ng	98
71) Anthracene	11.31	178	94438	4.707	ng	97
74) Fluoranthene	12.44	202	543181	27.906	ng	99
77) Pyrene	12.67	202	515152	19.208	ng	99
80) Benzo(a)anthracene	13.86	228	371791	19.206	ng	93
82) Chrysene	13.89	228	324496	16.076	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	162624	11.069	ng	95
87) Benzo(b)fluoranthene	14.88	252	568920	32.930	ng	97
88) Benzo(k)fluoranthene	14.88	252	568920	34.136	ng	99
89) Benzo(a)pyrene	15.23	252	309582	19.913	ng	97
90) Dibenzo(a,h)anthracene	16.66	278	42072	3.391	ng	# 88
91) Benzo(a,h,i)perylene	17.07	276	149469	11.960	ng	98

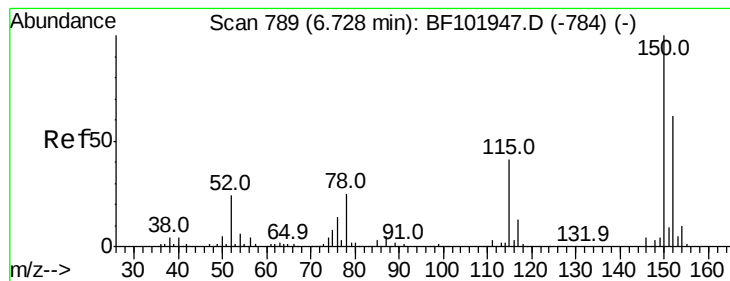
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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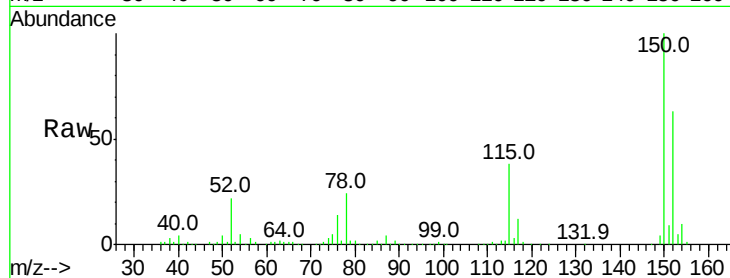


#1

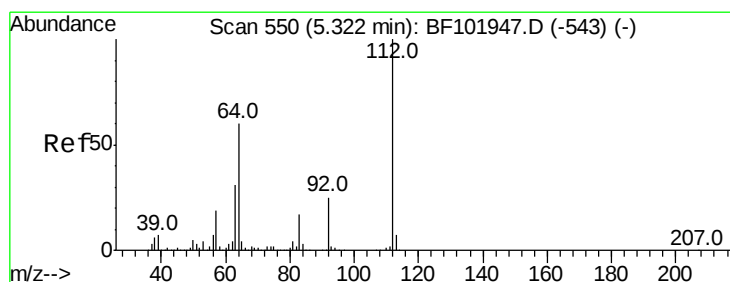
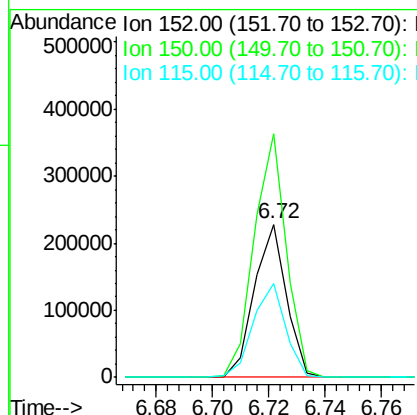
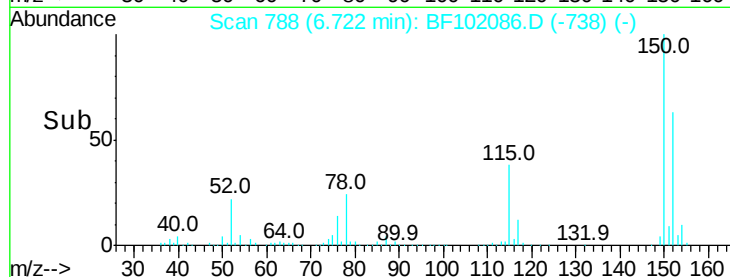
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	60.9	50.1	75.1



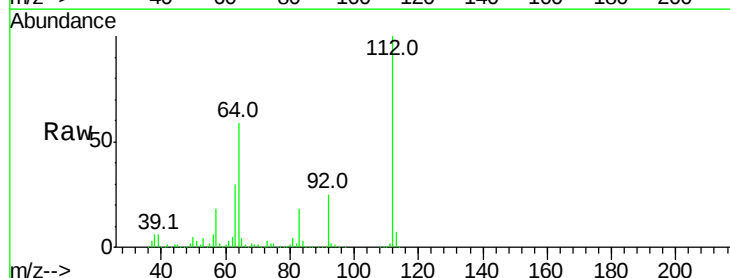
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



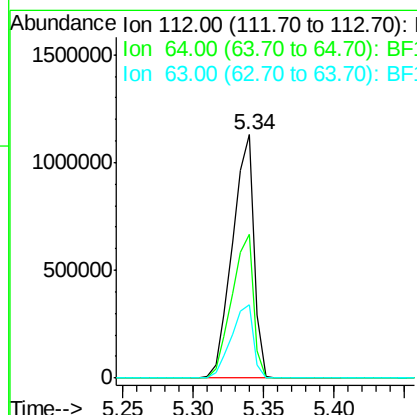
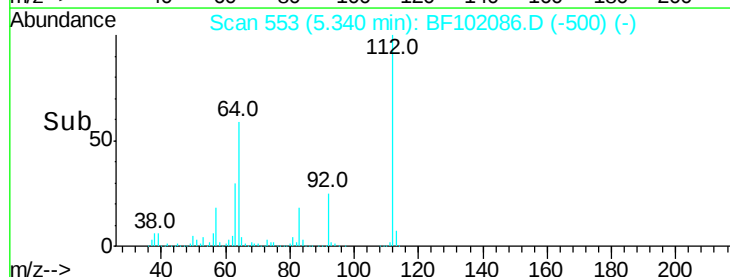
#5

2-Fluorophenol
 Concen: 94.039 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.4	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: 93.238 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampleId :

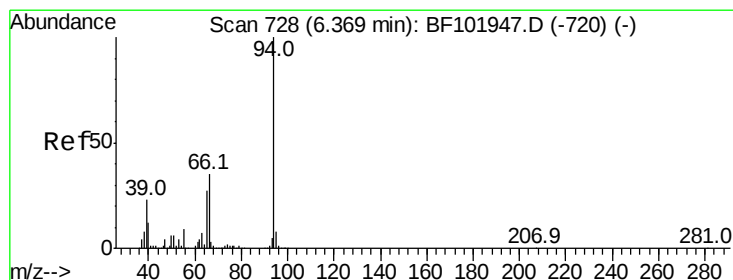
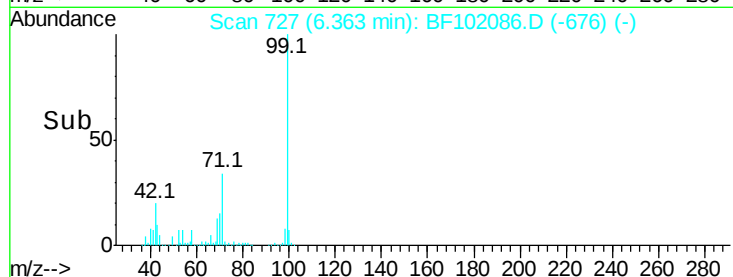
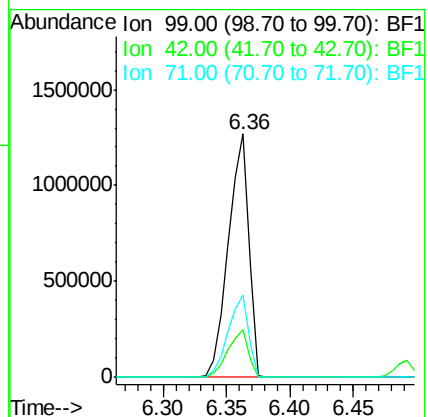
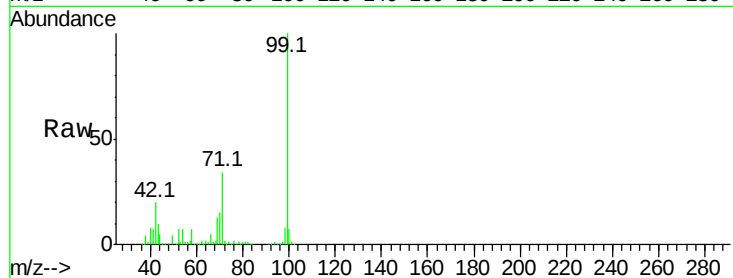
Tot Ion: 99 Resp: 1416734

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 33.7 25.4 38.0



#10

Phenol

Concen: 3.404 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

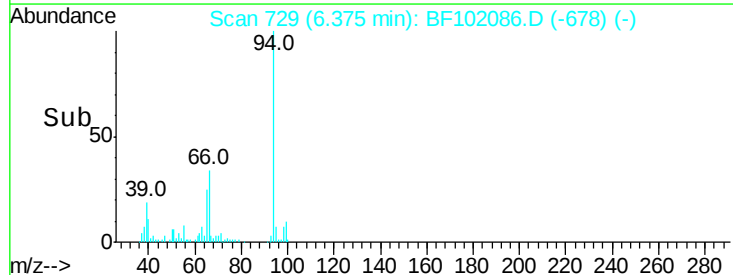
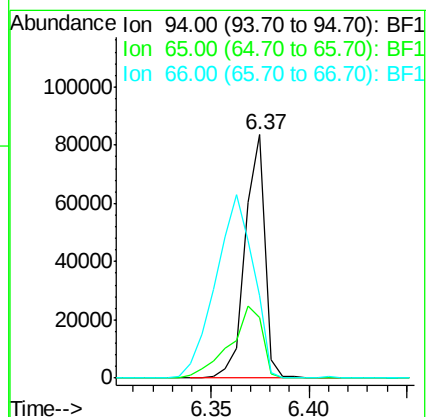
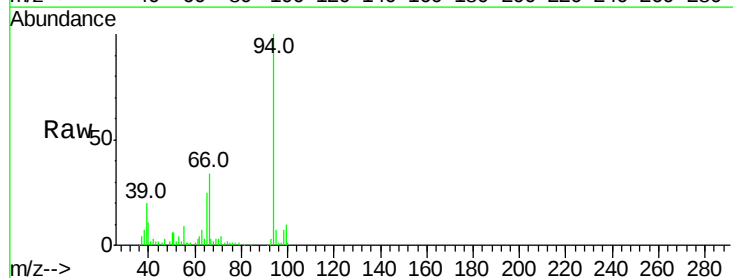
Tgt Ion: 94 Resp: 58453

Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

66 33.8 16.2 56.2

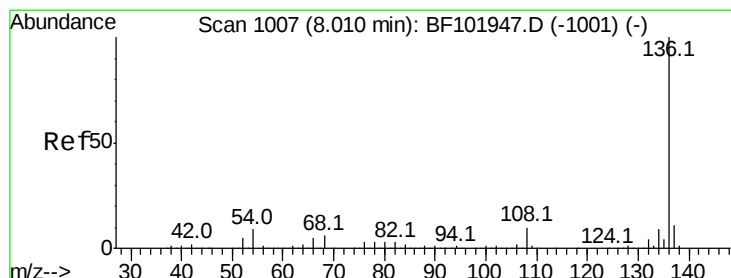
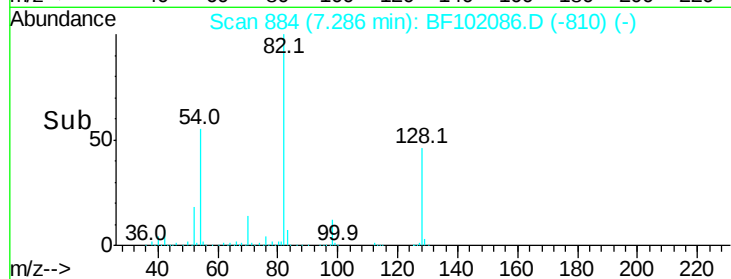
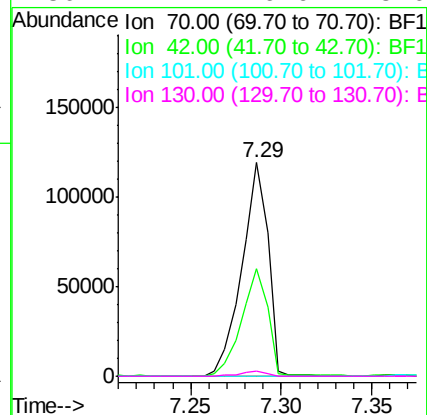
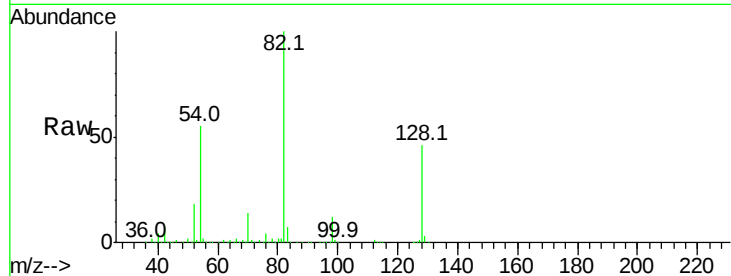




#19
n-Nitroso-di-n-propylamine
Concen: 12.009 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

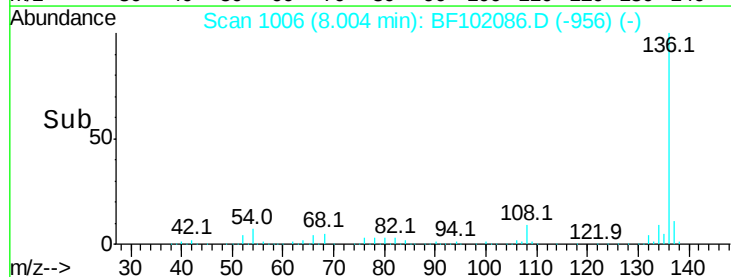
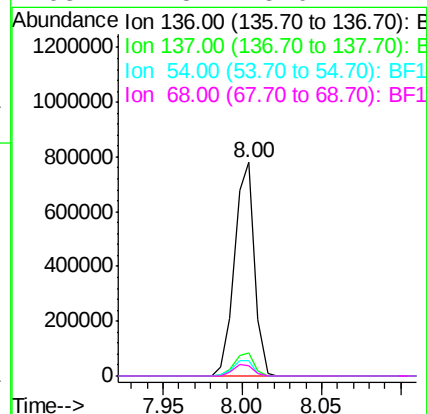
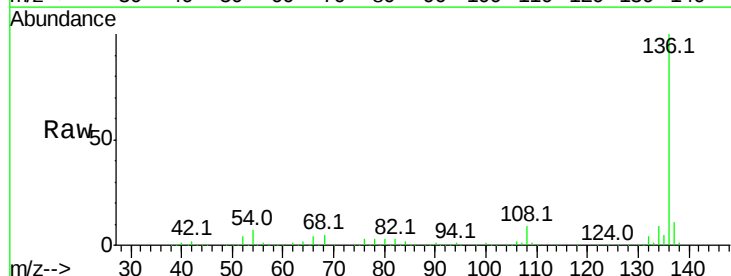
Instrument :
BNA_F
ClientSampleId :

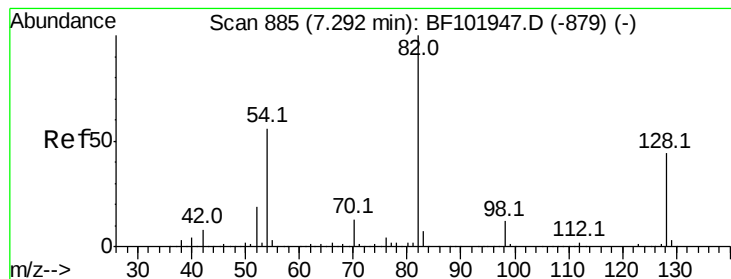
Tot Ion: 70 Resp: 119582
Ion Ratio Lower Upper
70 100
42 50.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion: 136 Resp: 678926
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.2 6.6 9.8
68 4.8 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 77.611 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampled :

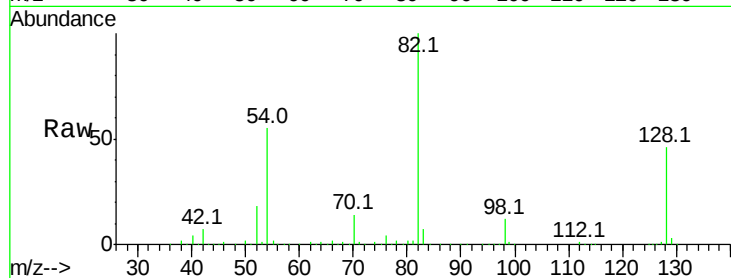
Tot Ion: 82 Resp: 896674

Ion Ratio Lower Upper

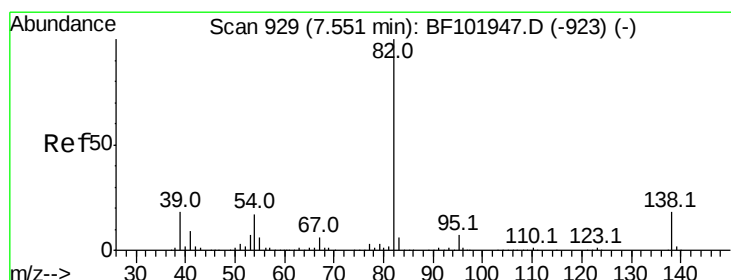
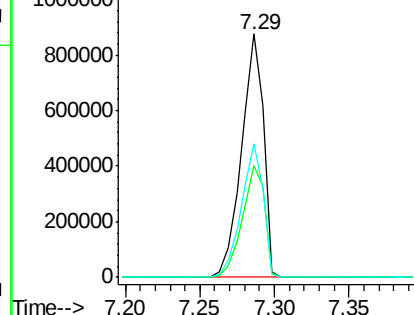
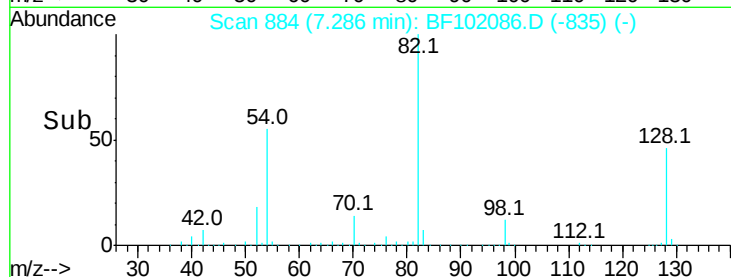
82 100

128 45.8 36.1 54.1

54 54.9 41.4 62.2



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



#25

Isophorone

Concen: 39.159 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

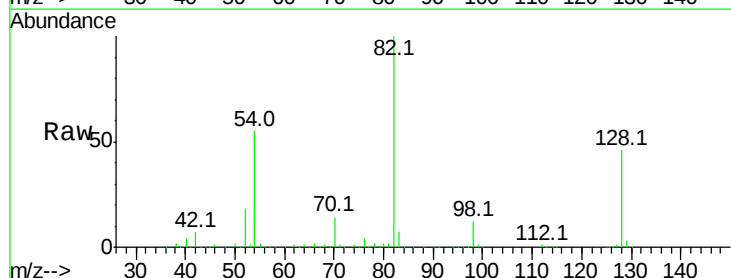
Tgt Ion: 82 Resp: 893951

Ion Ratio Lower Upper

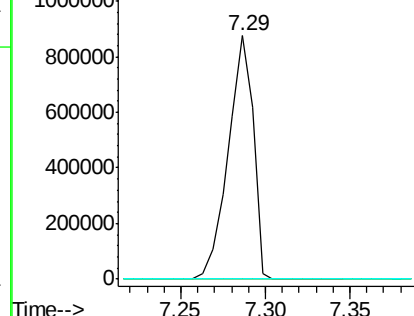
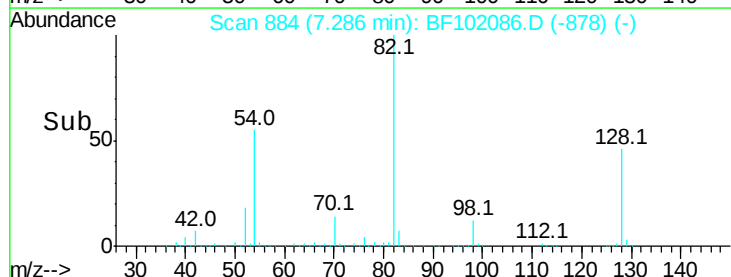
82 100

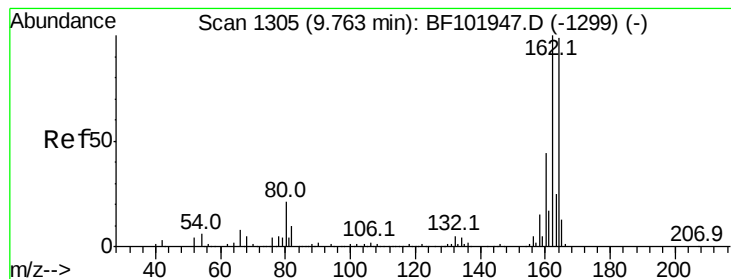
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampleId :

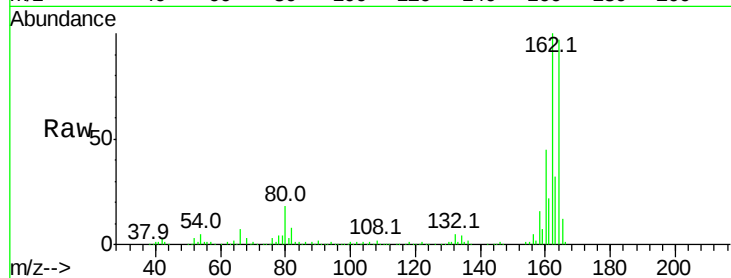
Tot Ion:164 Resp: 251245

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

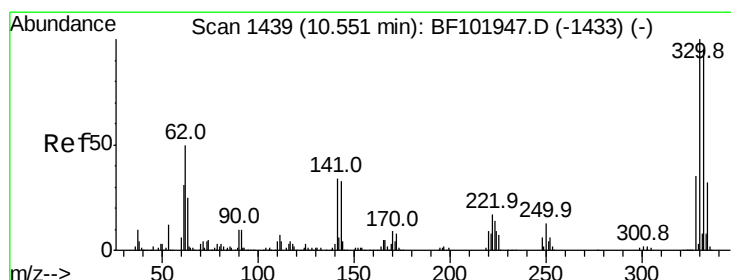
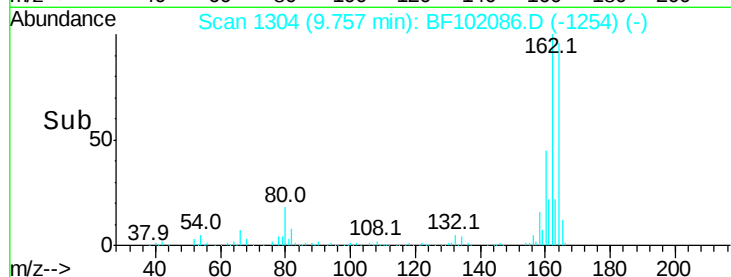
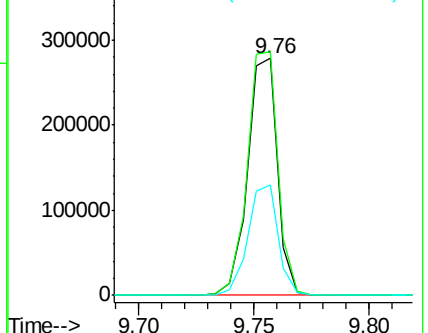
160 46.6 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 98.140 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

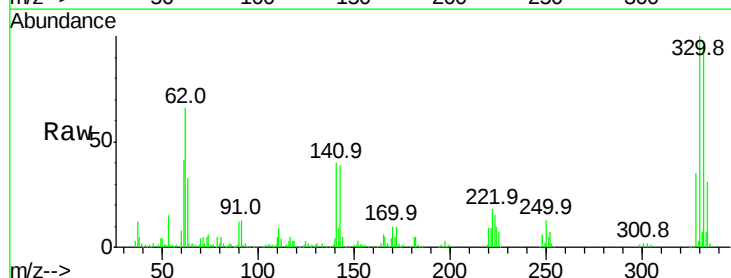
Tgt Ion:330 Resp: 215181

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

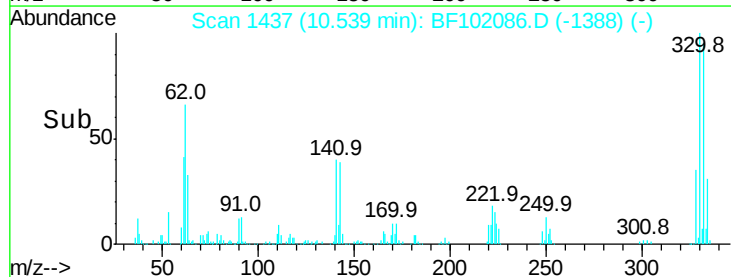
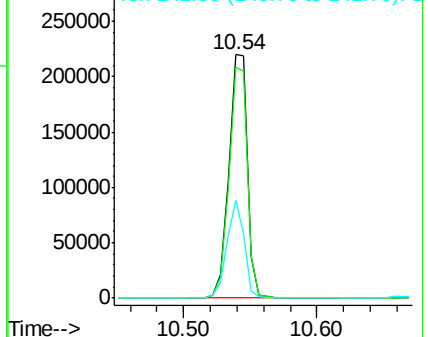
141 38.0 29.9 44.9



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



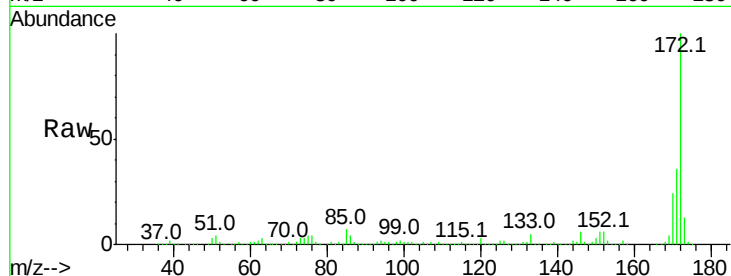


#44
 2-Fluorobiphenyl
 Concen: 81.219 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

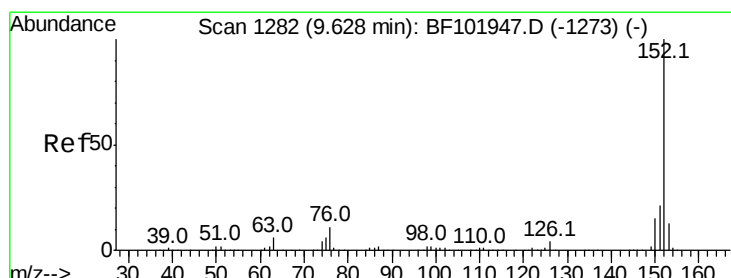
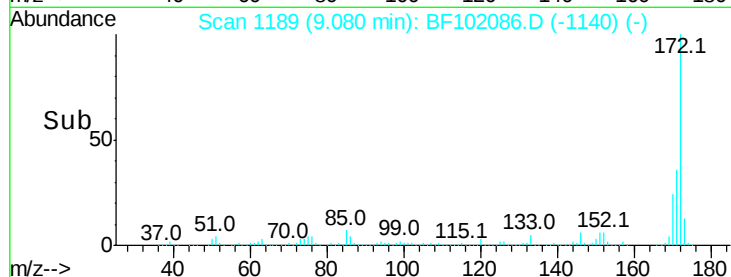
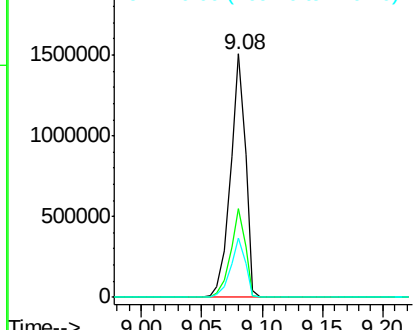
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1306169

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4



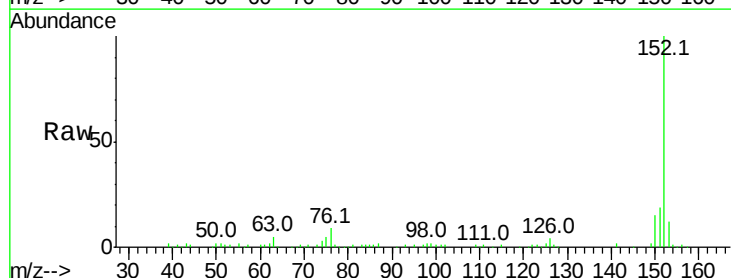
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



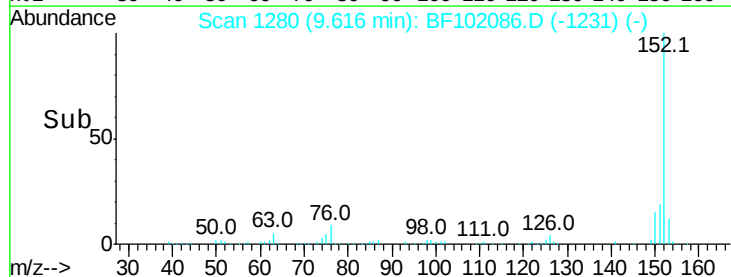
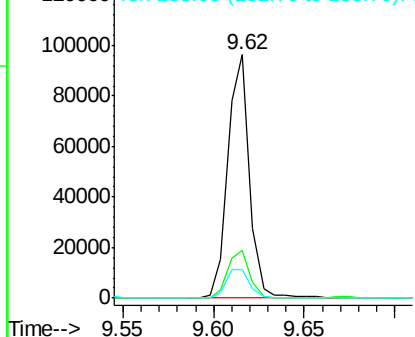
#48
 Acenaphthylene
 Concen: 2.921 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

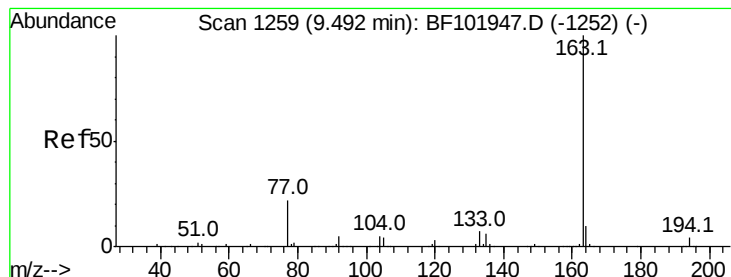
Tgt Ion:152 Resp: 79820

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	11.9	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 9.382 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampleId :

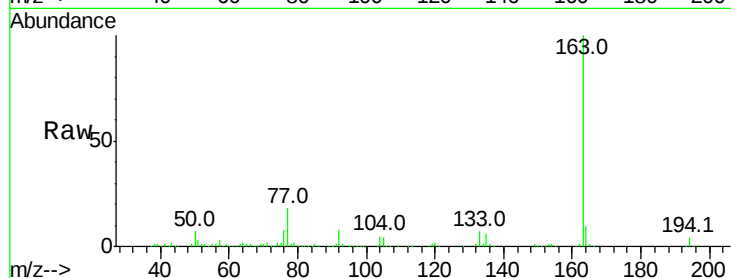
Tot Ion:163 Resp: 189090

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

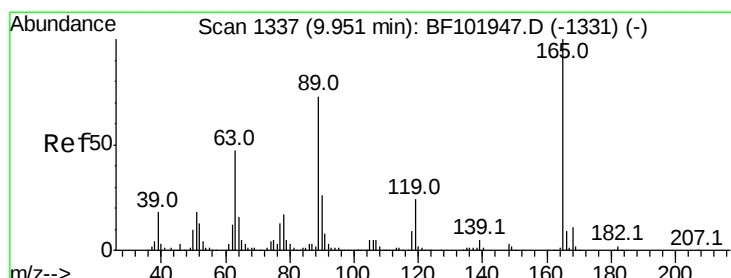
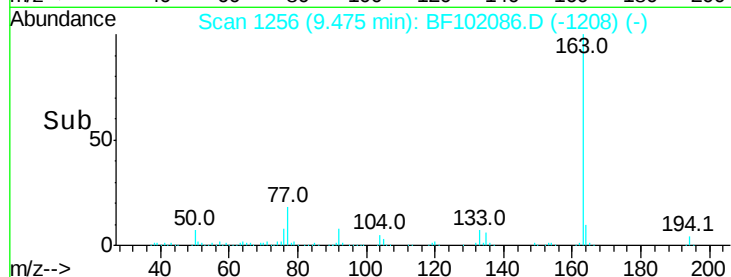
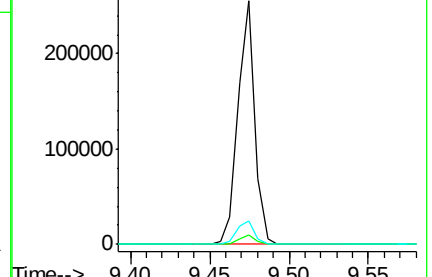
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.476 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Tgt Ion:165 Resp: 32677

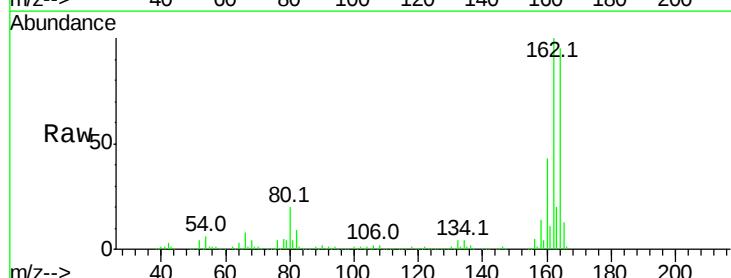
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

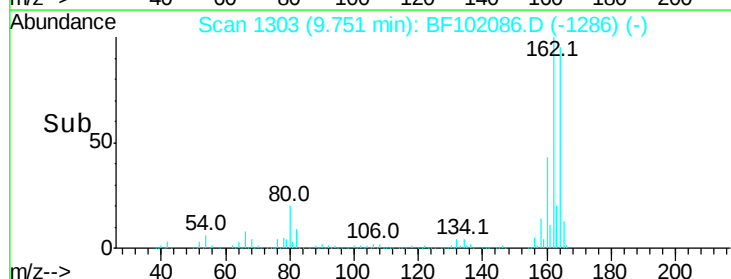
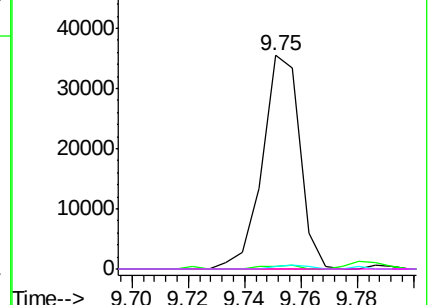


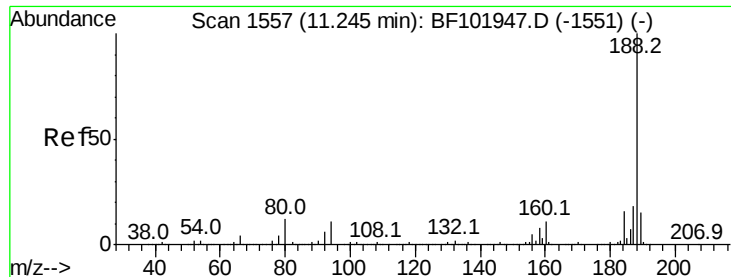
Abundance Ion 165.00 (164.70 to 165.70): E

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

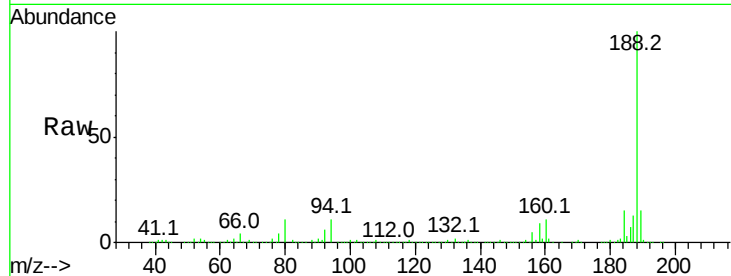




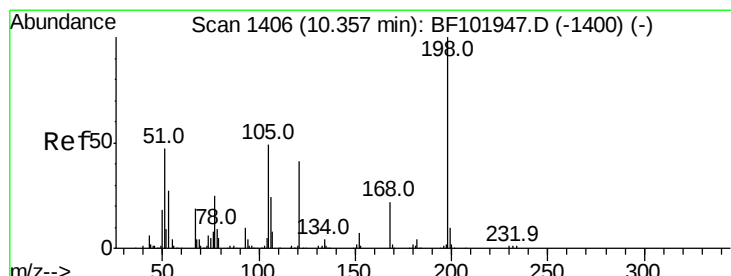
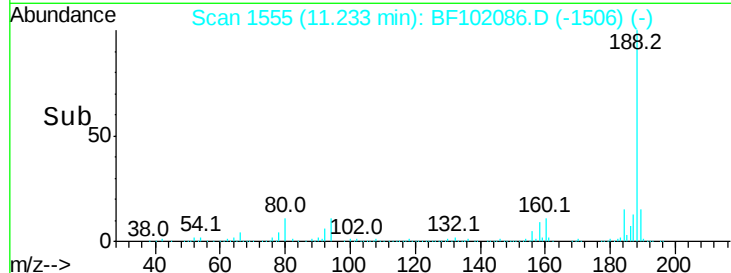
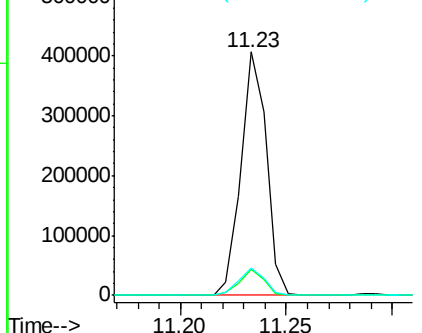
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 338692
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.2 9.2 13.8

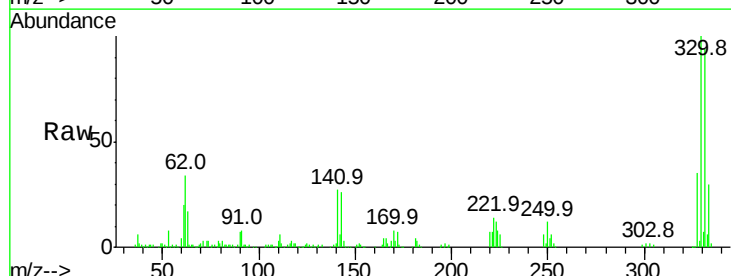


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

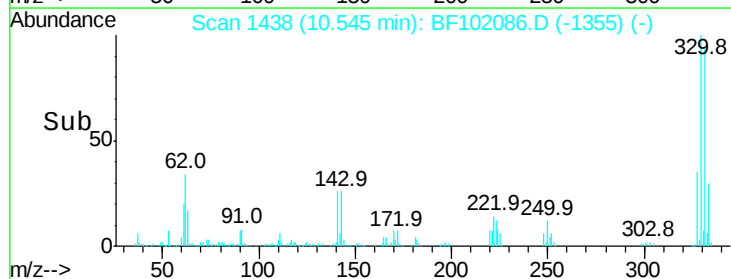
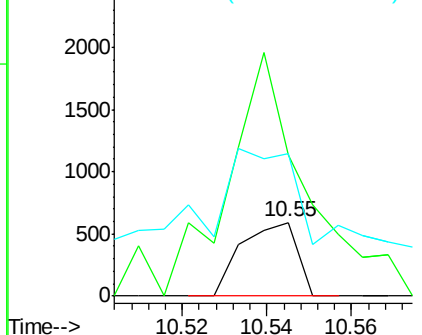


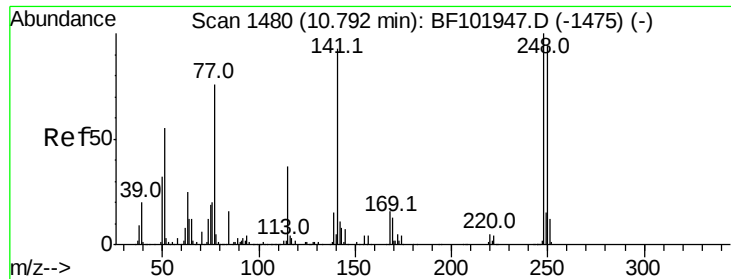
#64
4,6-Dinitro-2-methylphenol
Concen: 5.923 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion:198 Resp: 543
Ion Ratio Lower Upper
198 100
51 191.9 37.7 77.7#
105 193.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

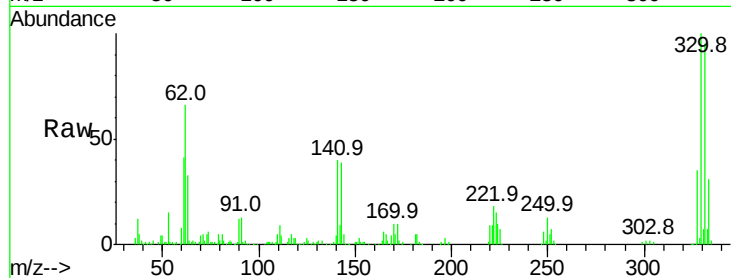




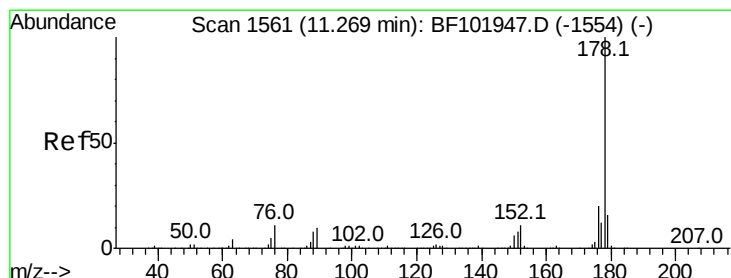
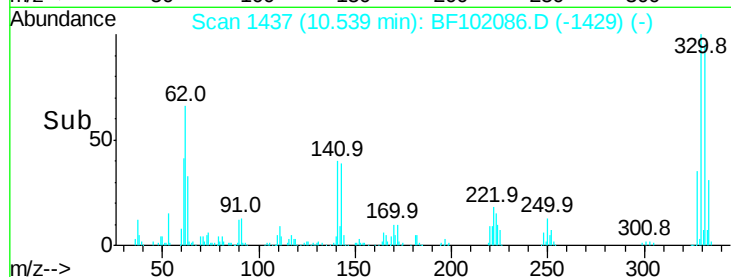
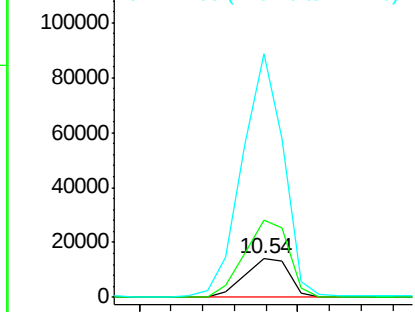
#66
4-Bromophenyl-phenylether
Concen: 3.783 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13530
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 637.2 74.4 111.6#

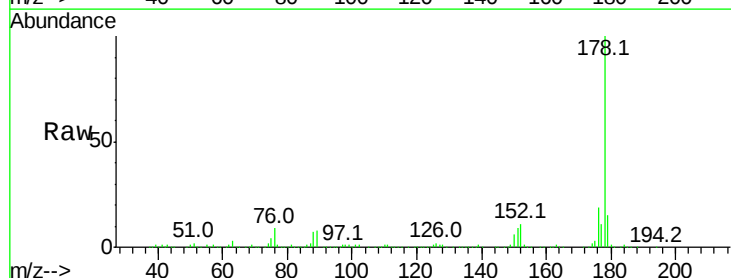


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

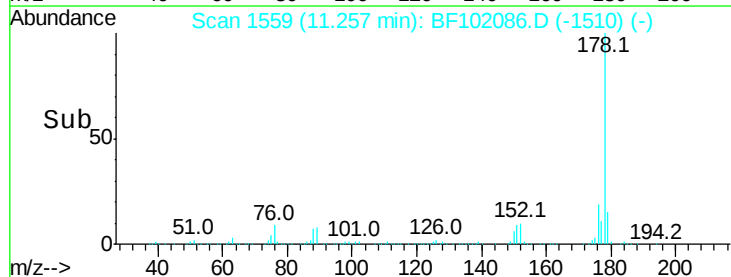
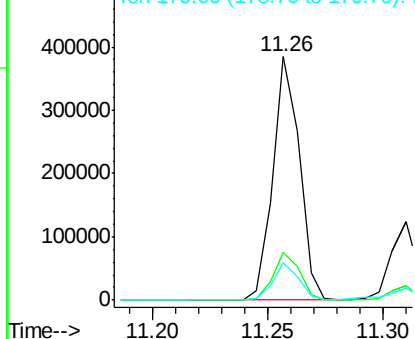


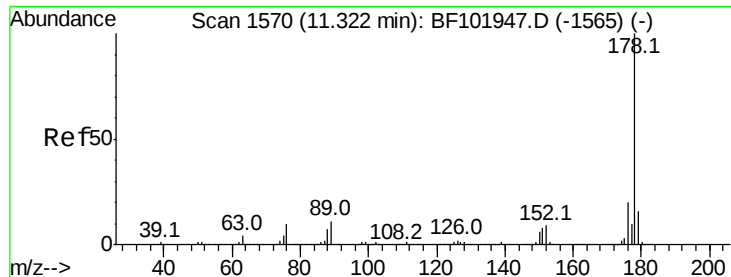
#70
Phenanthrene
Concen: 15.499 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion:178 Resp: 306632
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.3 13.0 19.6



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





#71

Anthracene

Concen: 4.707 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampled :

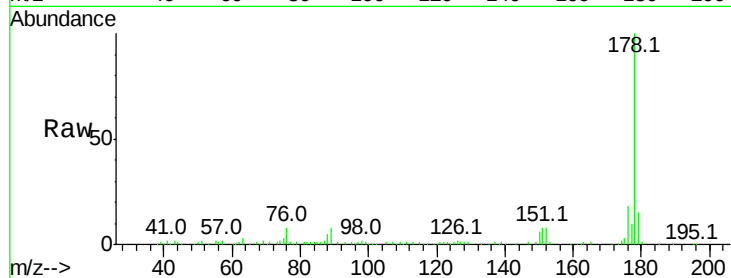
Tot Ion:178 Resp: 94438

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

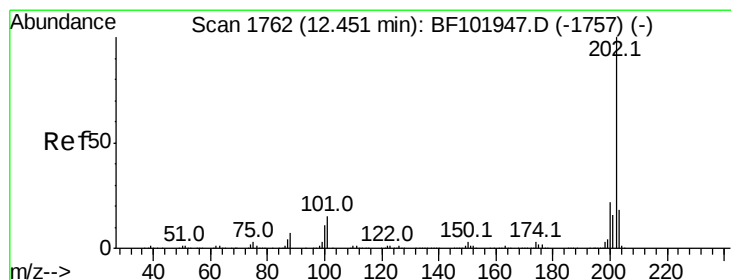
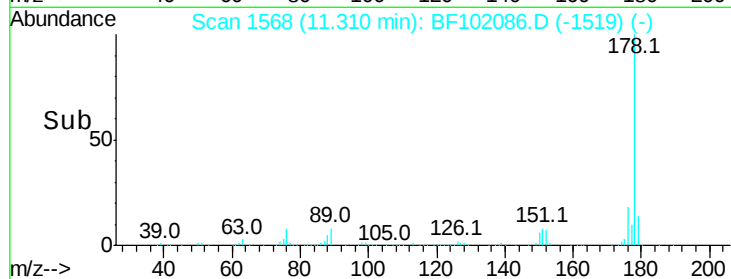
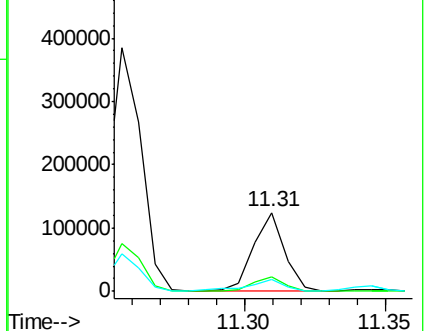
179 14.6 12.6 19.0



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



#74

Fluoranthene

Concen: 27.906 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

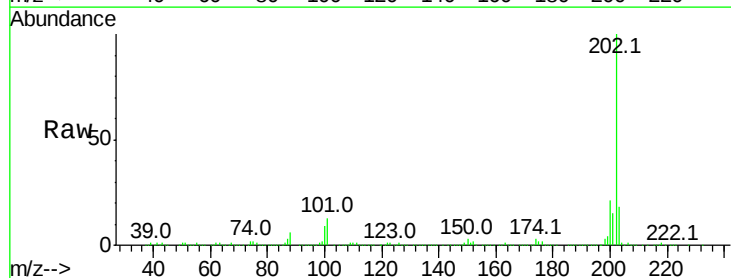
Tgt Ion:202 Resp: 543181

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

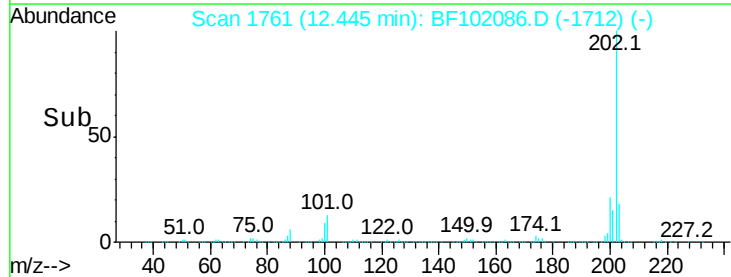
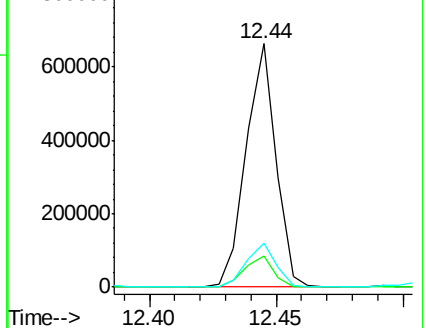
203 18.1 0.0 38.1

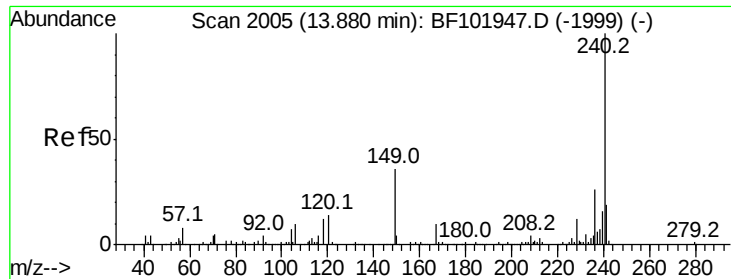


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampled :

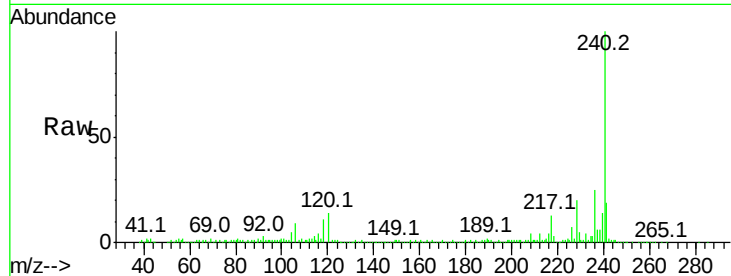
Tot Ion:240 Resp: 303408

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

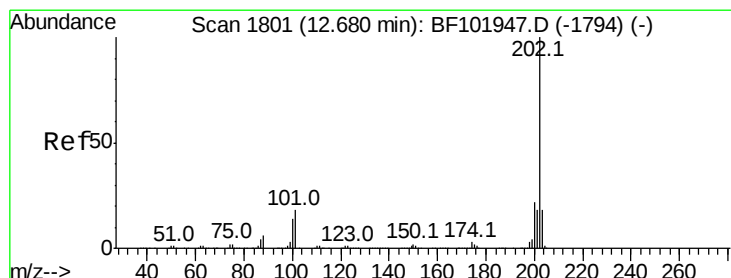
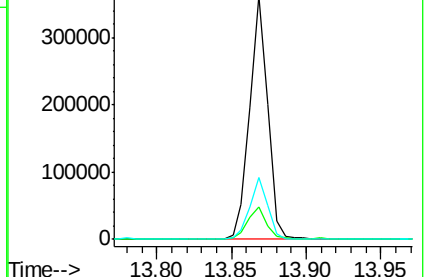
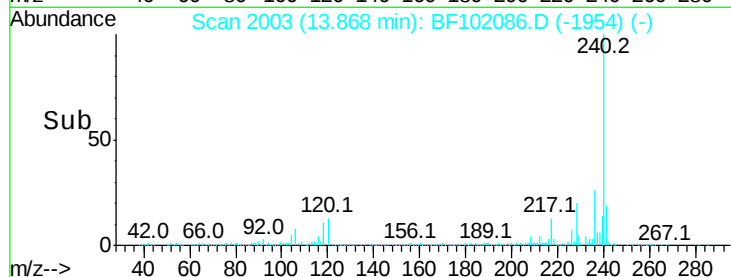
236 25.5 20.7 31.1



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



#77

Pyrene

Concen: 19.208 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

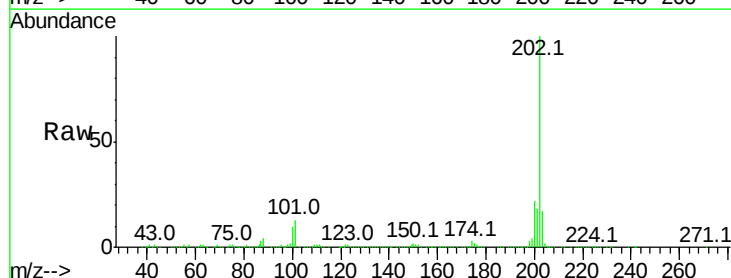
Tgt Ion:202 Resp: 515152

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

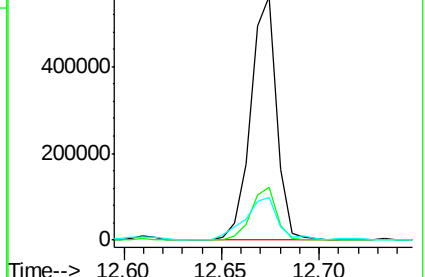
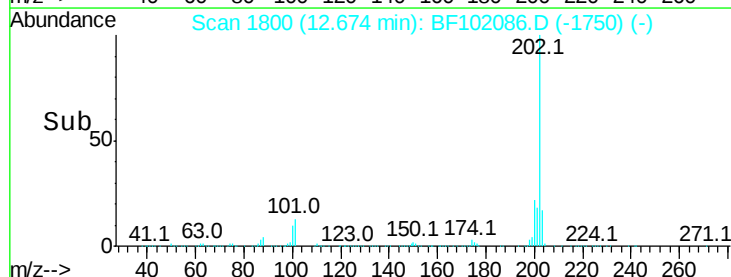
203 17.3 14.3 21.5

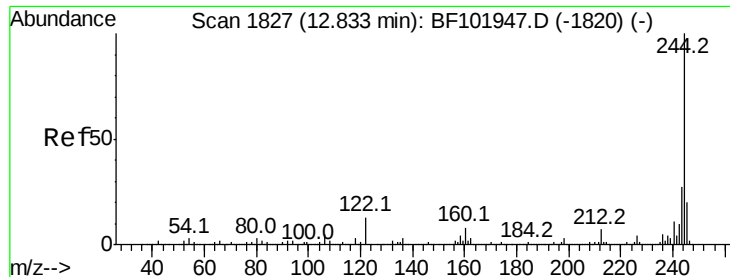


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.592 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampleId :

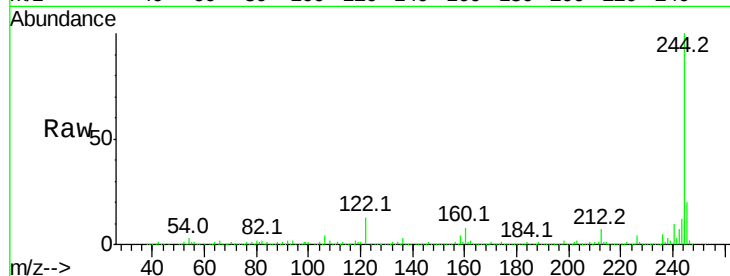
Tot Ion:244 Resp: 797767

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

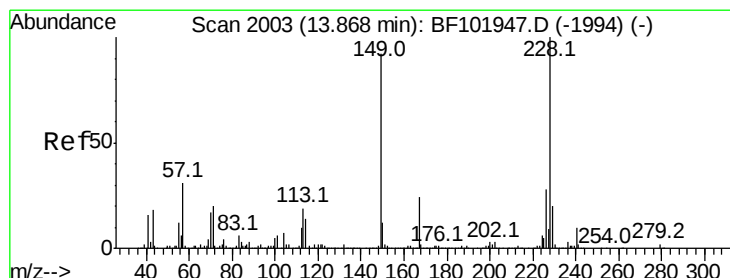
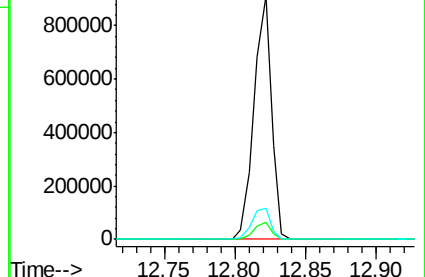
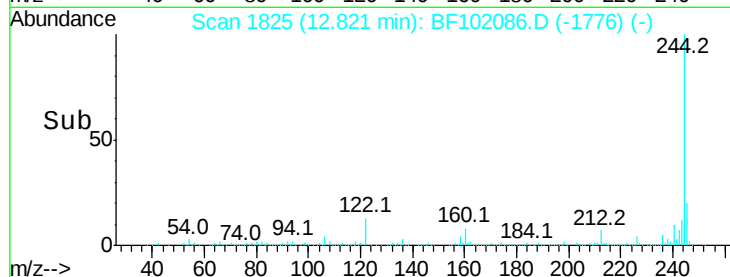
122 12.7 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 19.206 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

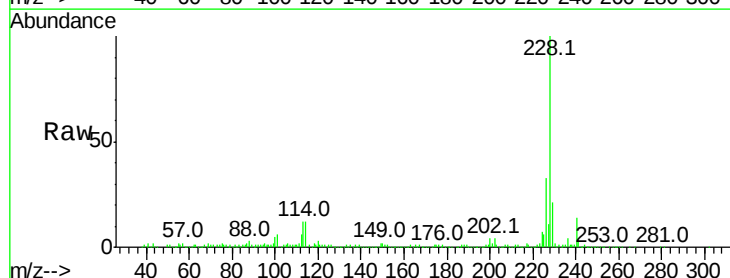
Tgt Ion:228 Resp: 371791

Ion Ratio Lower Upper

228 100

226 33.4 22.6 33.8

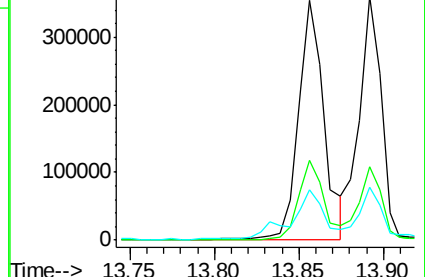
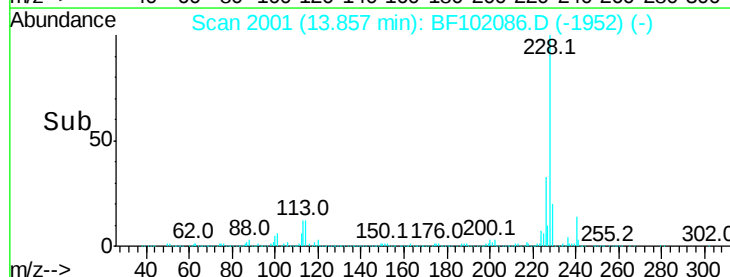
229 21.2 15.8 23.6

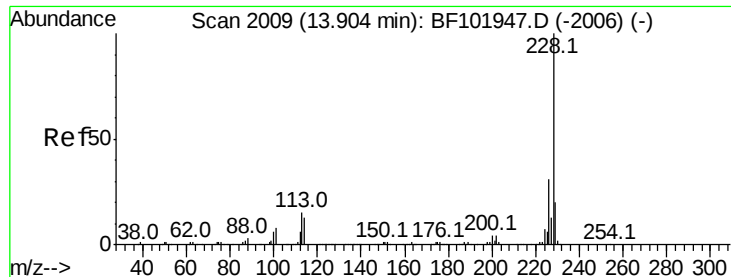


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.076 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampled :

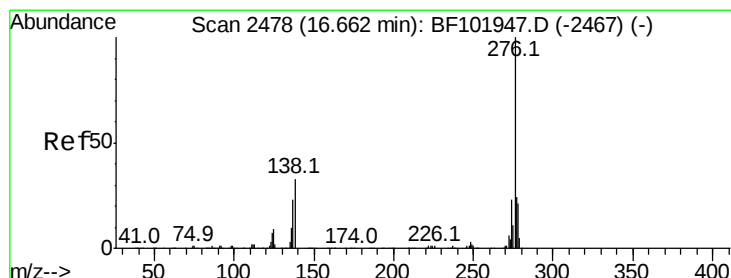
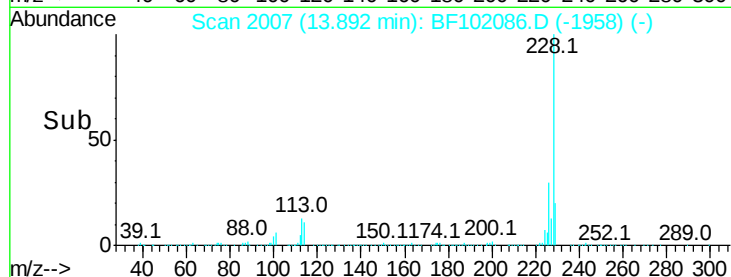
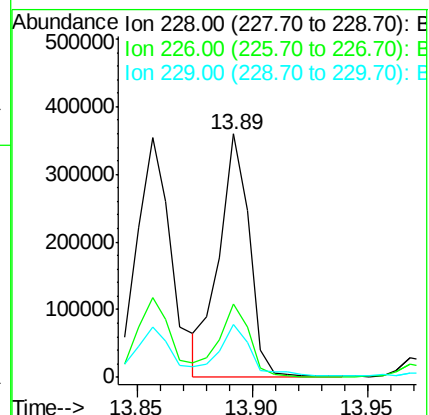
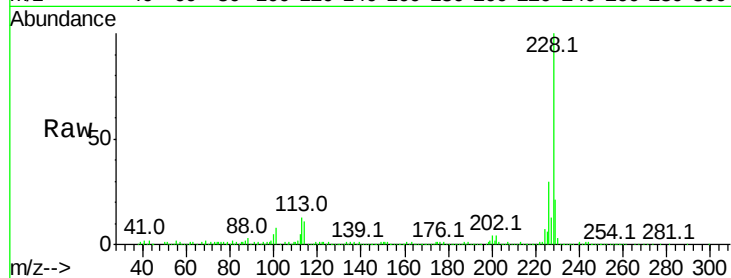
Tot Ion:228 Resp: 324496

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

229 21.5 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.069 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.02 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

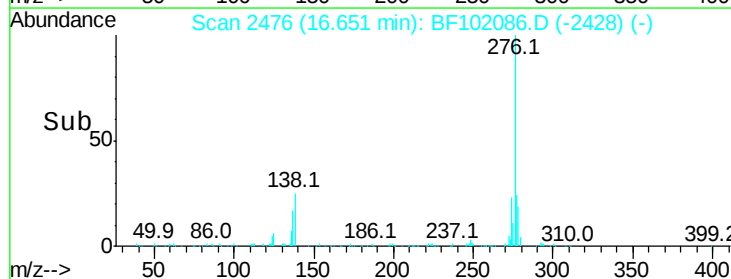
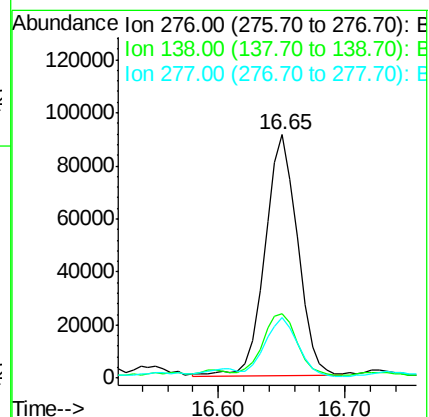
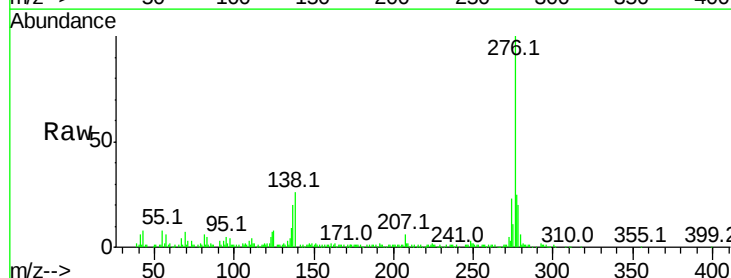
Tgt Ion:276 Resp: 162624

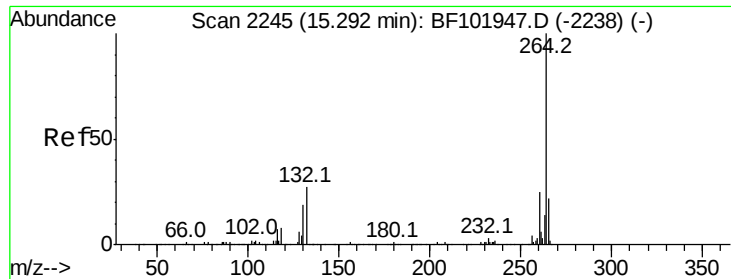
Ion Ratio Lower Upper

276 100

138 26.9 25.0 37.6

277 24.0 20.1 30.1

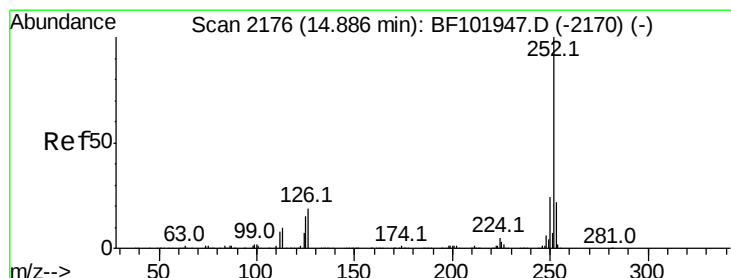
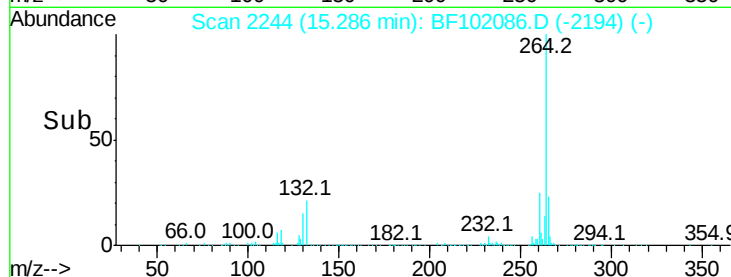
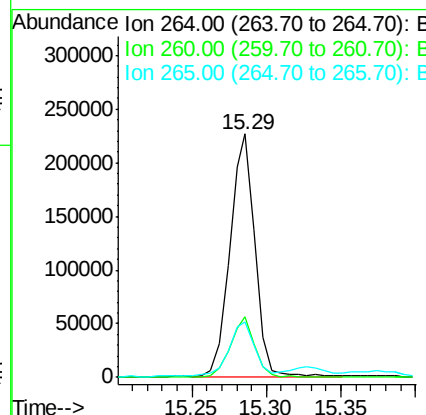
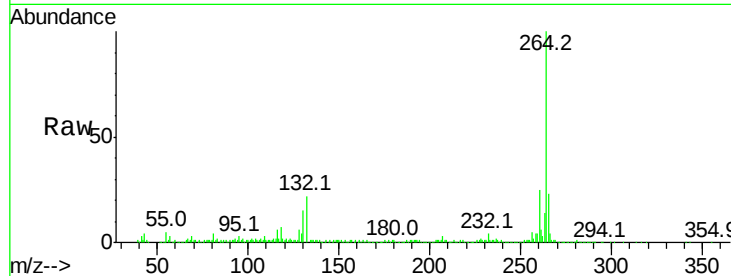




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

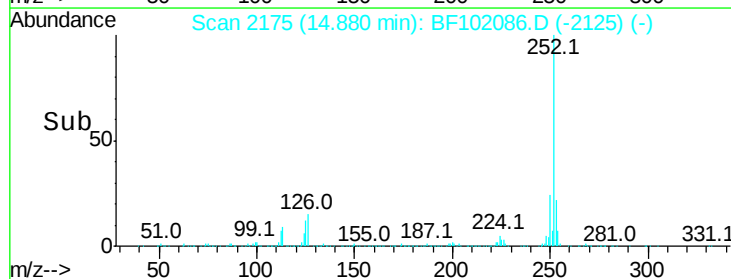
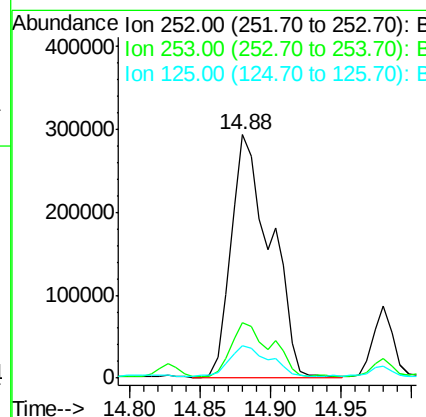
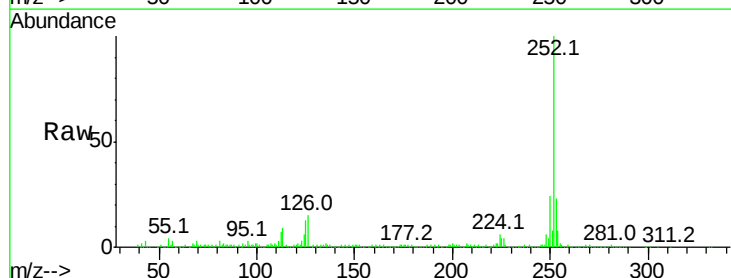
Instrument :
BNA_F
ClientSampleId :

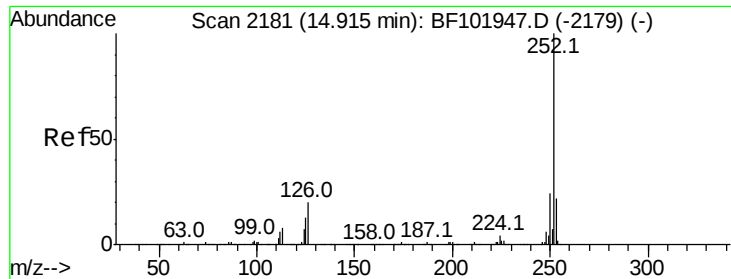
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 32.930 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.1	9.0	13.6

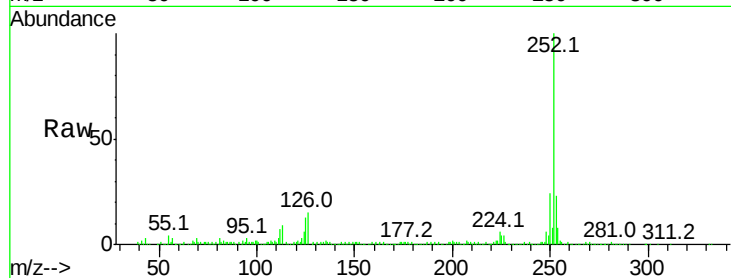




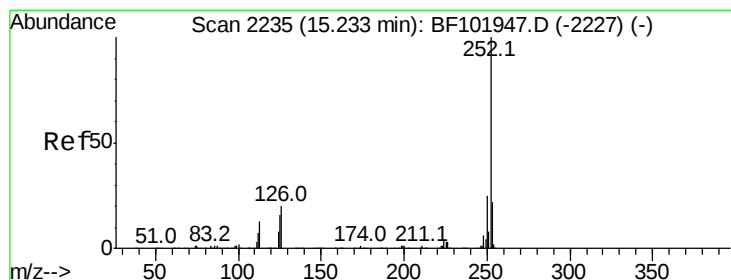
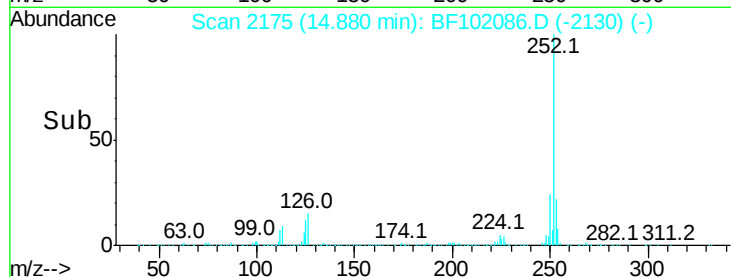
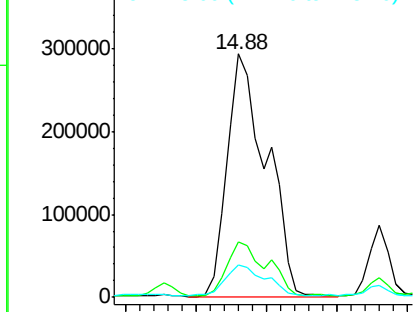
#88
Benzo(k)fluoranthene
Concen: 34.136 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot	Ion:252	Resp:	568920
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.1	10.2	15.2

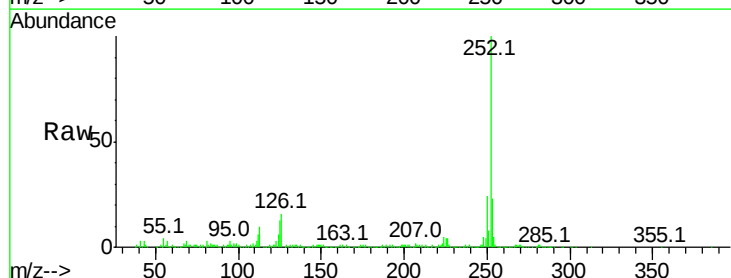


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

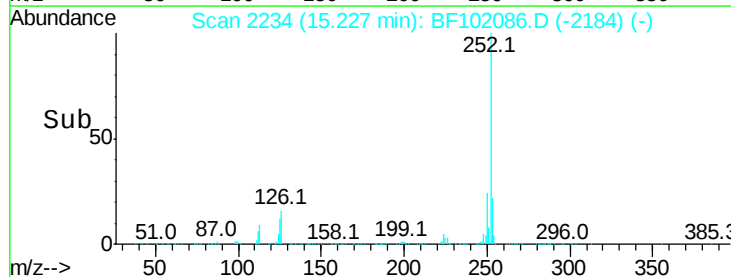
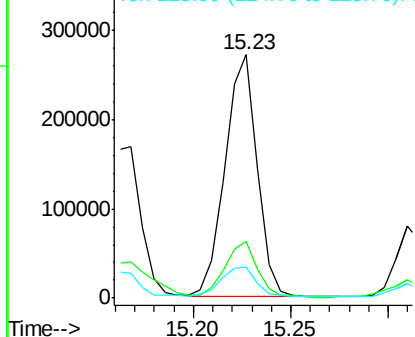


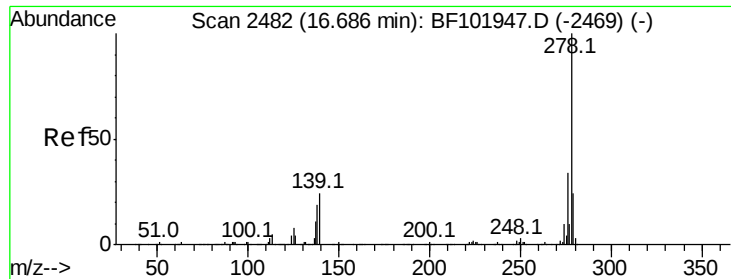
#89
Benzo(a)pyrene
Concen: 19.913 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt	Ion:252	Resp:	309582
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.6	9.8	14.6



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

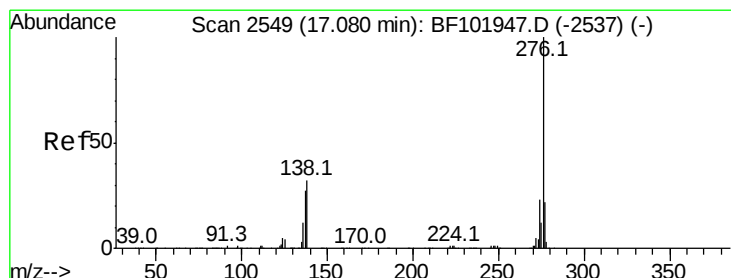
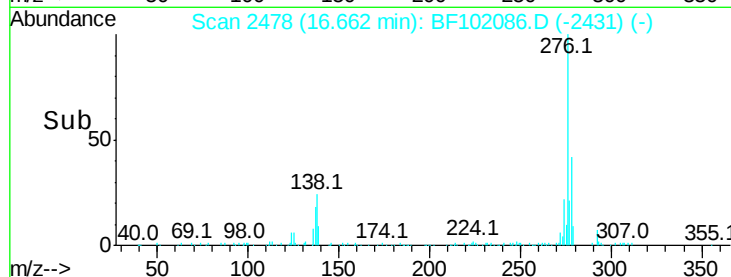
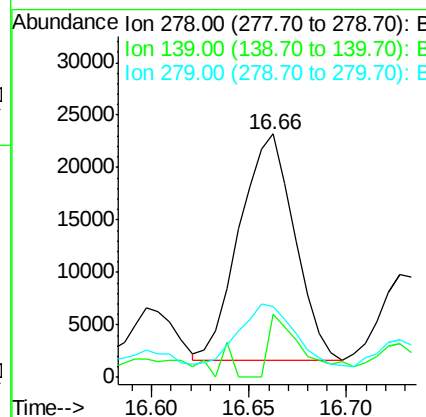
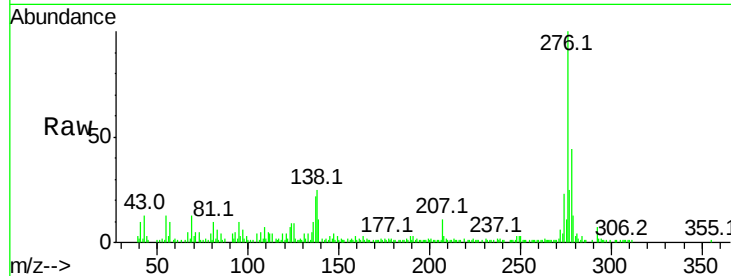




#90
Dibenzo(a,h)anthracene
Concen: 3.391 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.7	15.9	23.9#
279	29.2	19.0	28.4#



#91
Benzo(g,h,i)perylene
Concen: 11.960 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	17.9	26.9
138	25.2	21.8	32.8

