

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102476.D
 Acq On : 26 Jan 2018 18:42
 Operator : SJ/JU
 Sample : J1020-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 22:02:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	166495	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	680545	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	268920	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	376709	20.00	ng	0.00
75) Chrysene-d12	13.89	240	290519	20.00	ng	0.00
86) Perylene-d12	15.32	264	196737	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	563826	51.35	ng	0.00
7) Phenol-d6	6.36	99	675155	51.00	ng	0.00
23) Nitrobenzene-d5	7.29	82	333750	28.18	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	82448	30.94	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	655797	35.86	ng	0.00
78) Terphenyl-d14	12.83	244	447862	34.75	ng	0.00

Target Compounds

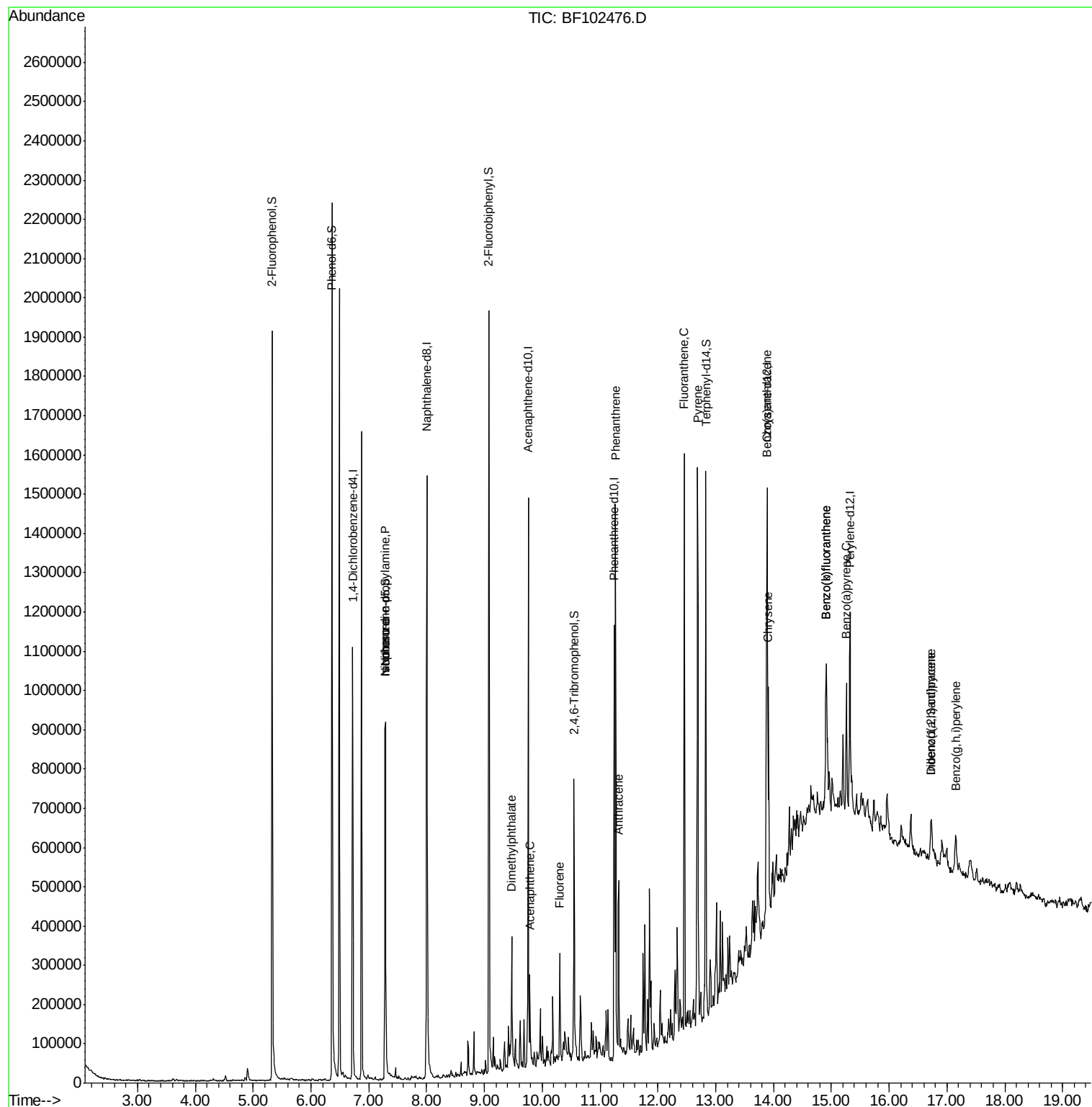
						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	43114	5.322	ng	# 79
25) Isophorone	7.29	82	333748	15.808	ng	# 64
49) Dimethylphthalate	9.47	163	128264	5.770	ng	99
51) Acenaphthene	9.79	154	41220	2.424	ng	96
57) Fluorene	10.30	166	78356	4.296	ng	99
70) Phenanthrene	11.27	178	483719	22.036	ng	99
71) Anthracene	11.32	178	186228	8.312	ng	98
74) Fluoranthene	12.46	202	569755	25.452	ng	99
77) Pyrene	12.69	202	565980	25.197	ng	100
80) Benzo(a)anthracene	13.87	228	271727	15.192	ng	98
82) Chrysene	13.91	228	242437	13.348	ng	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	66399	4.426	ng	96
87) Benzo(b)fluoranthene	14.91	252	271851	21.319	ng	# 90
88) Benzo(k)fluoranthene	14.91	252	271851	22.565	ng	# 93
89) Benzo(a)pyrene	15.26	252	144191	12.538	ng	# 94
90) Dibenzo(a,h)anthracene	16.73	278	18637	2.001	ng	# 69
91) Benzo(a,h,i)perylene	17.16	276	68609	7.459	ng	94

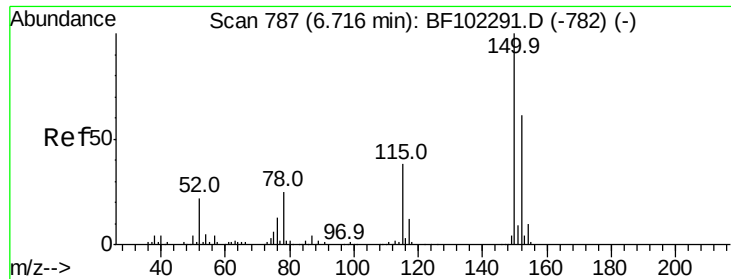
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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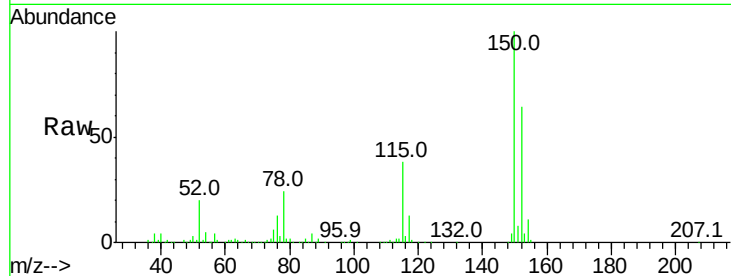


#1

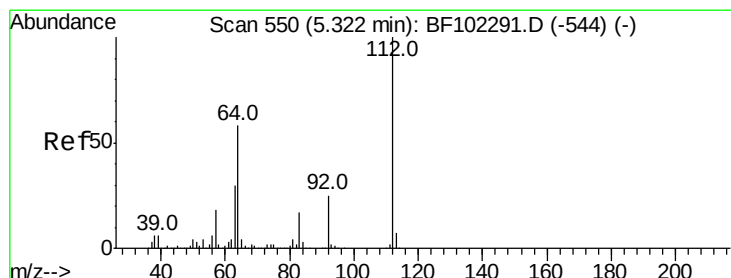
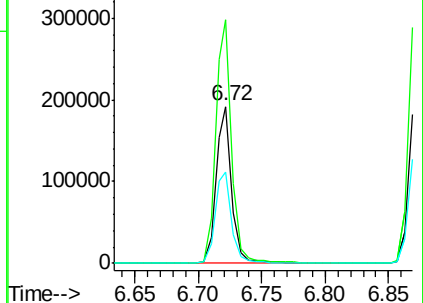
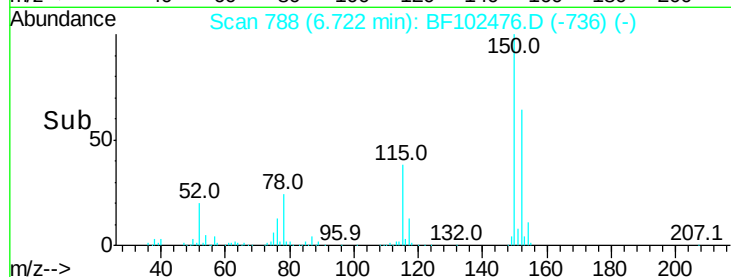
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166495
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 58.2 50.1 75.1



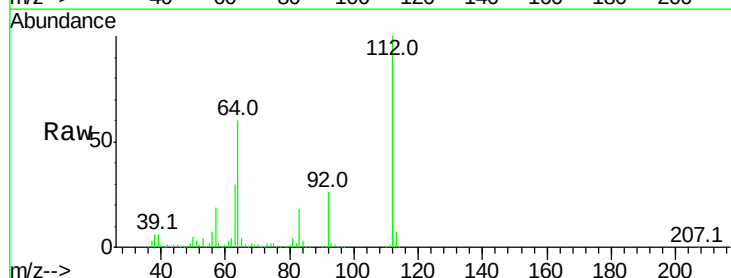
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



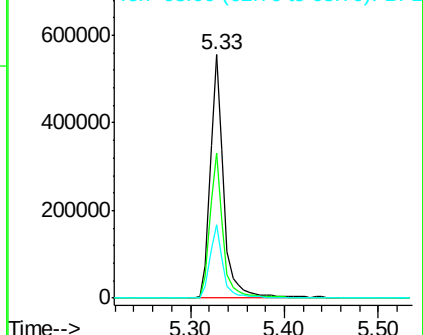
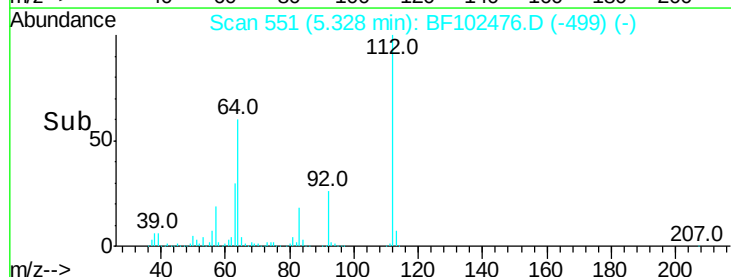
#5

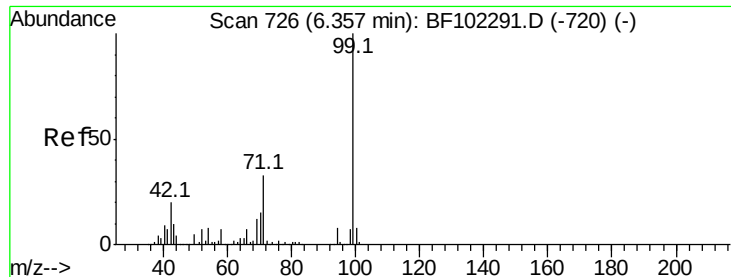
2-Fluorophenol
Concen: 51.347 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion:112 Resp: 563826
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 29.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.001 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampled :

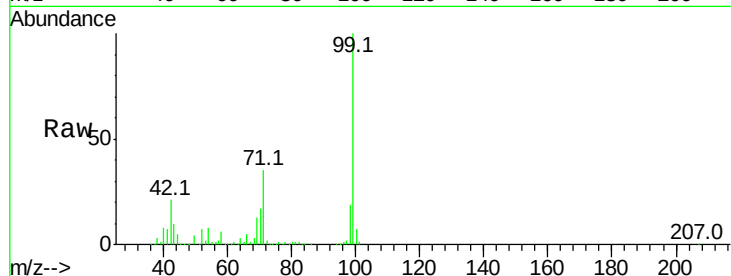
Tot Ion: 99 Resp: 675155

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

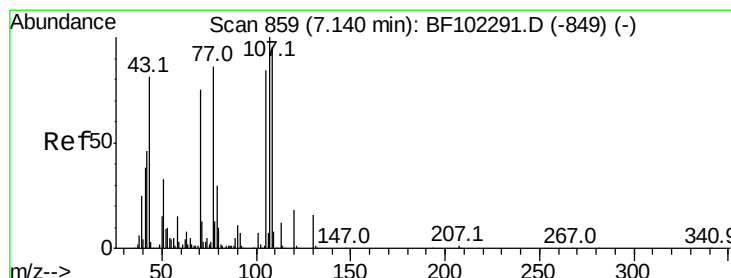
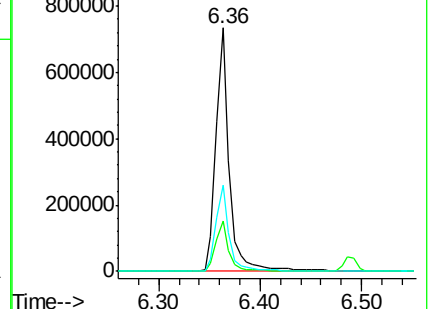
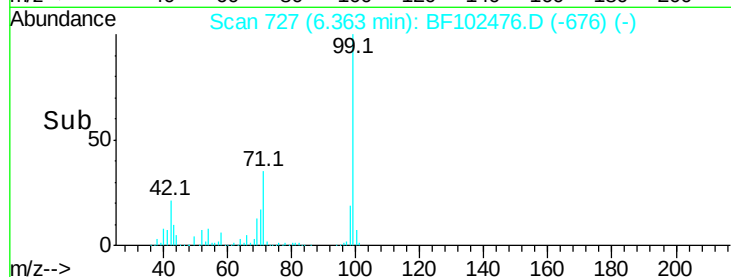
71 35.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.322 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion: 70 Resp: 43114

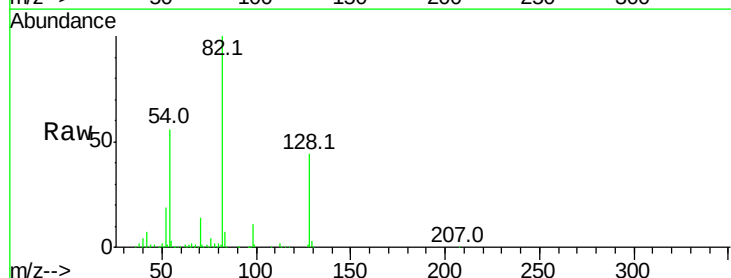
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

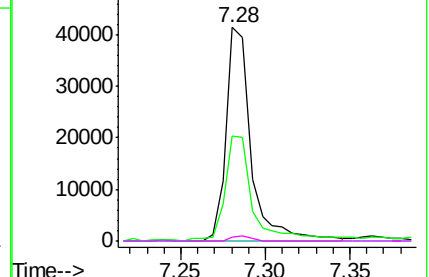
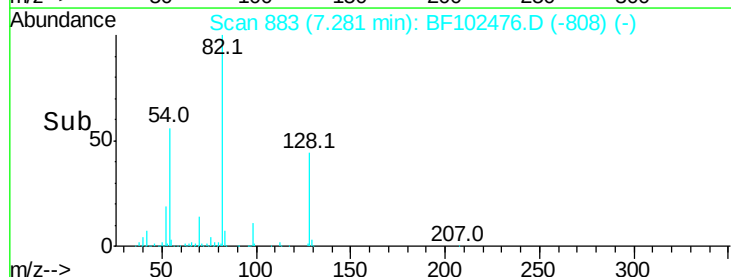


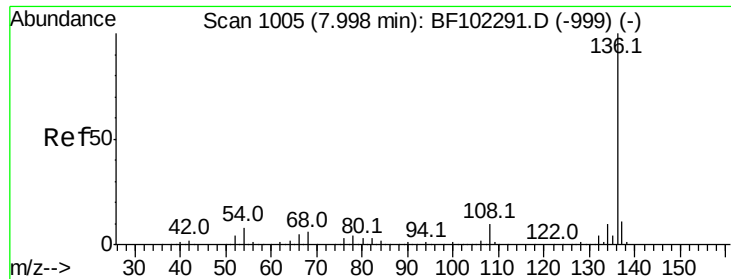
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

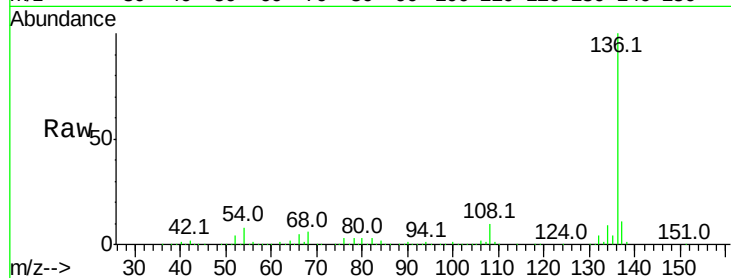




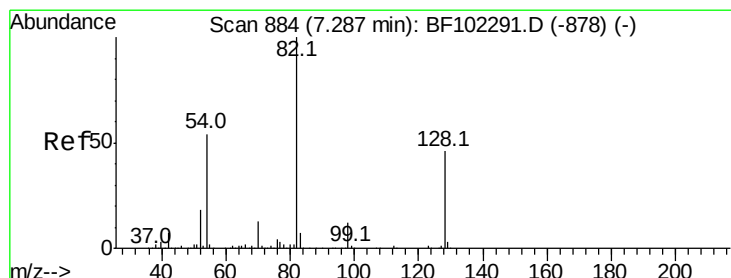
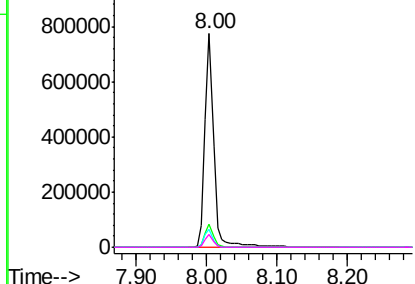
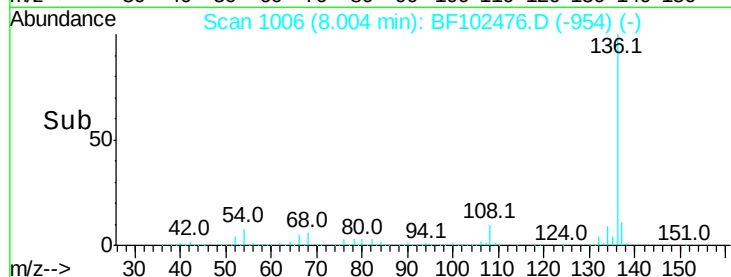
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	680545
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.9	5.0	7.4

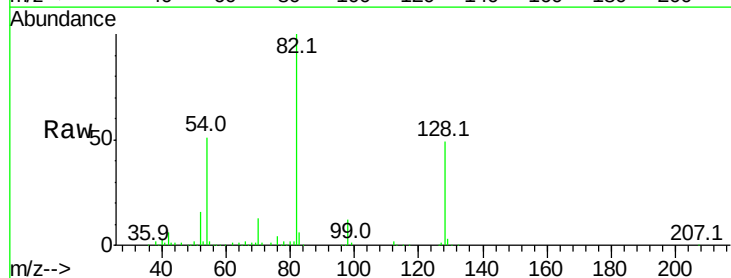


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

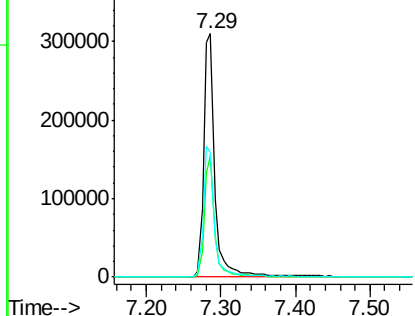
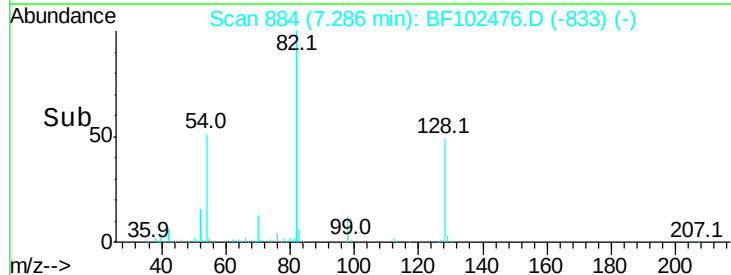


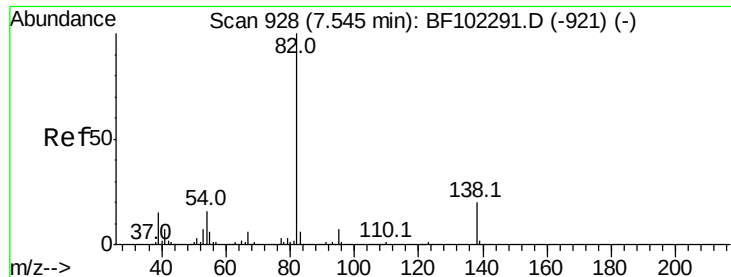
#23
Nitrobenzene-d5
Concen: 28.183 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion:	82	Resp:	333750
Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	51.3	41.4	62.2



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





#25

Isophorone

Concen: 15.808 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

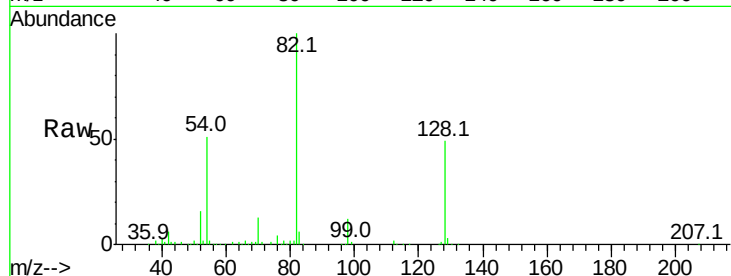
Tot Ion: 82 Resp: 333748

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

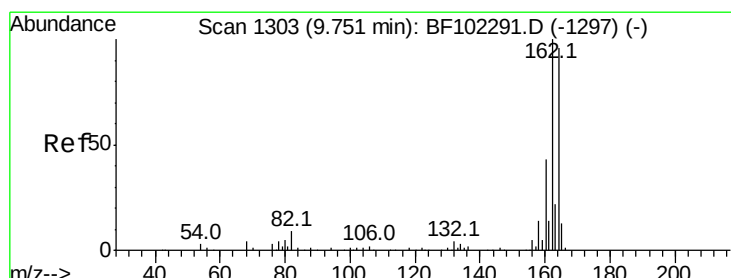
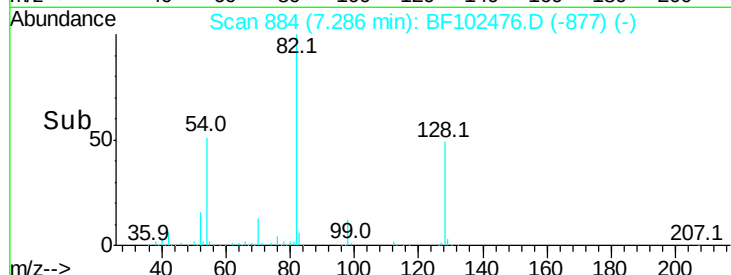
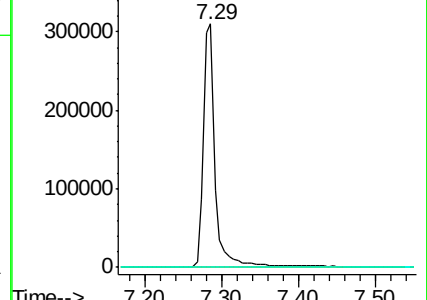
138 0.0 14.9 22.3#



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. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

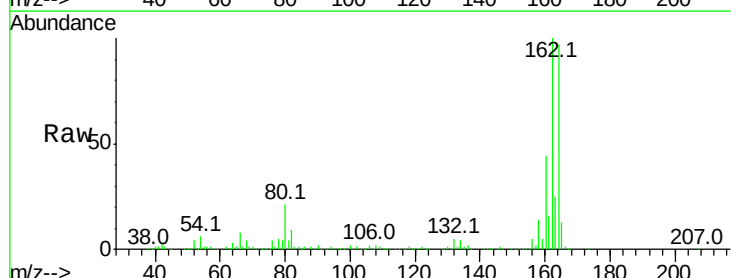
Tgt Ion:164 Resp: 268920

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

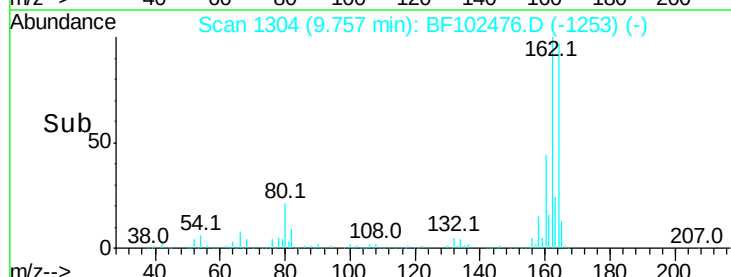
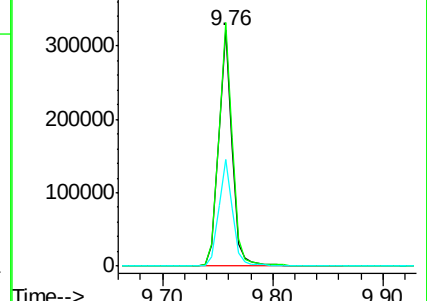
160 45.2 38.3 57.5

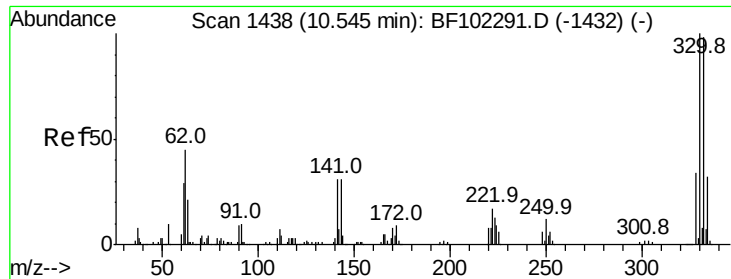


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

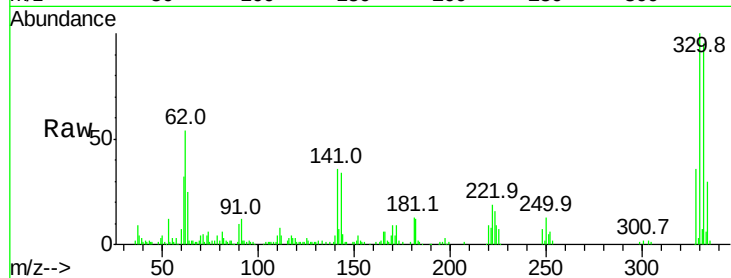




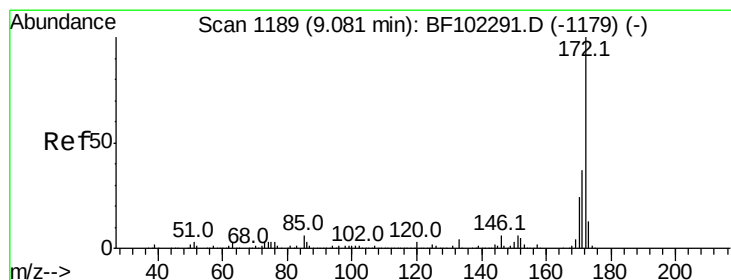
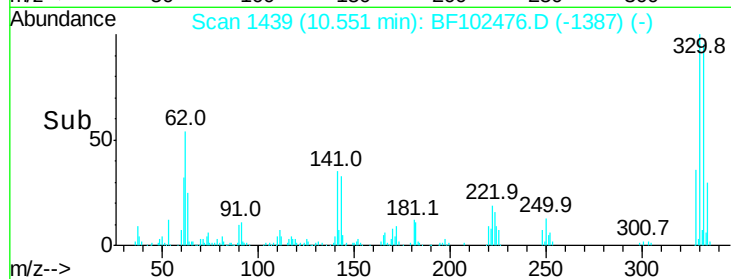
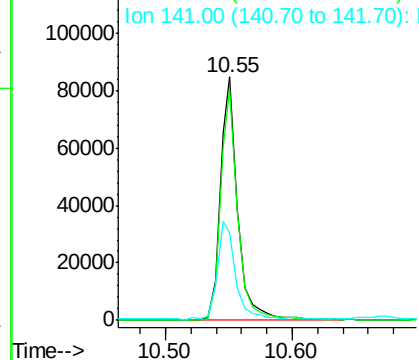
#41
 2,4,6-Tribromophenol
 Concen: 30.942 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 82448
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 42.0 29.9 44.9

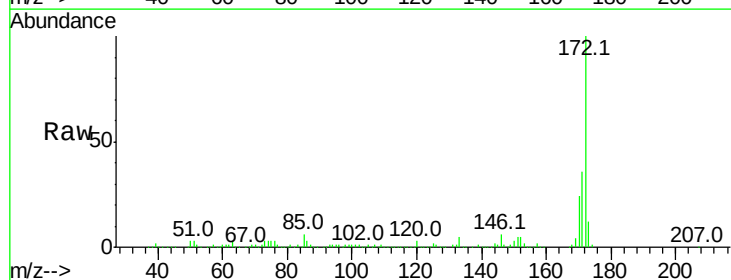


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

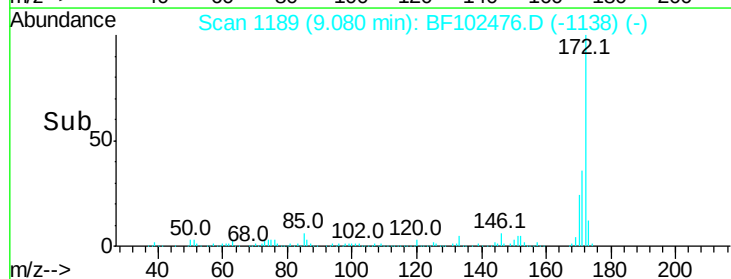
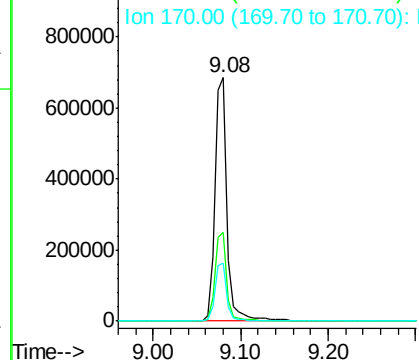


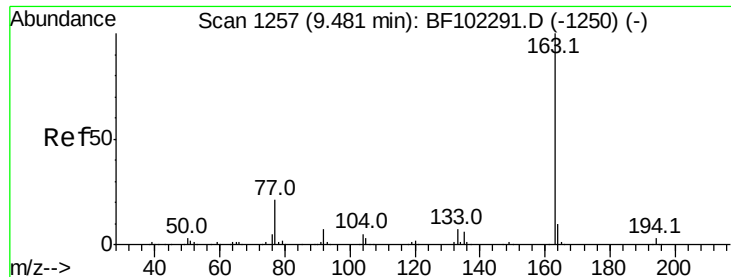
#44
 2-Fluorobiphenyl
 Concen: 35.856 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

Tgt Ion:172 Resp: 655797
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.9 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





#49

Dimethylphthalate

Concen: 5.770 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

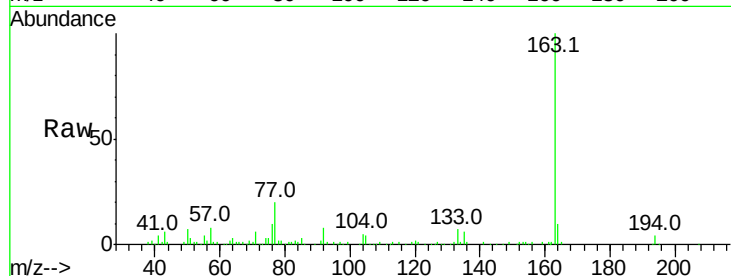
Tot Ion:163 Resp: 128264

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

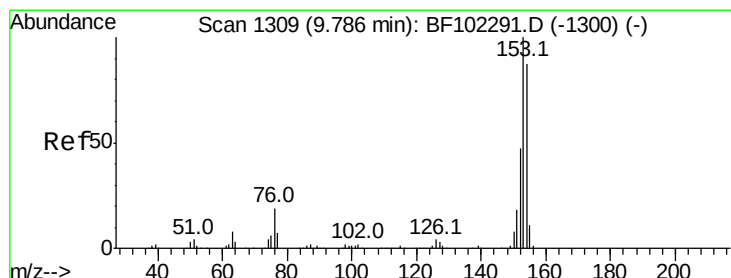
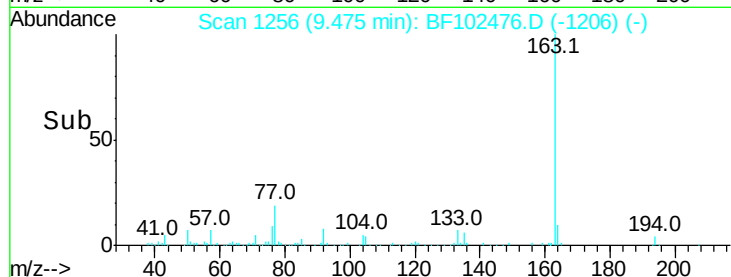
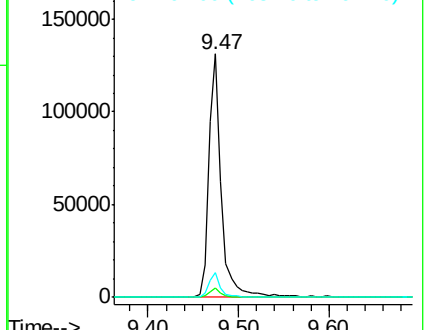
164 9.9 8.2 12.2



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



#51

Acenaphthene

Concen: 2.424 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

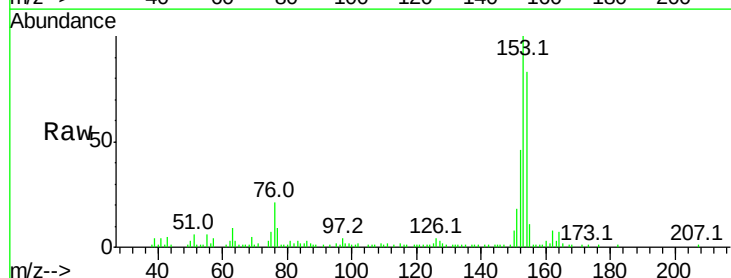
Tgt Ion:154 Resp: 41220

Ion Ratio Lower Upper

154 100

153 119.9 91.2 136.8

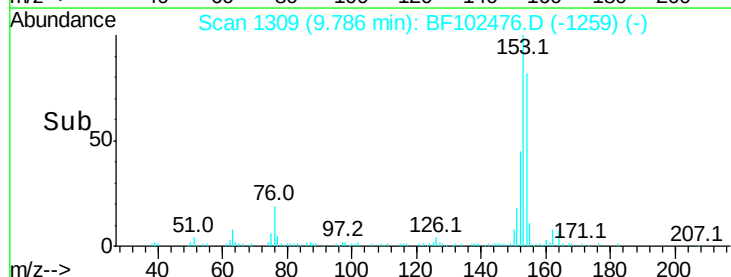
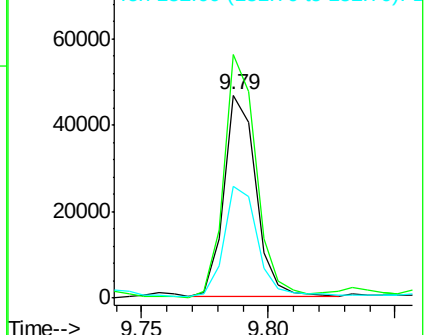
152 55.0 43.8 65.8

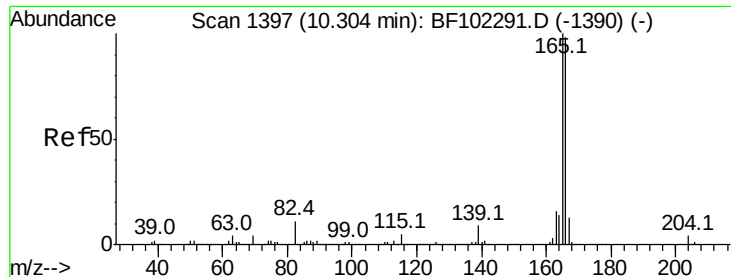


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

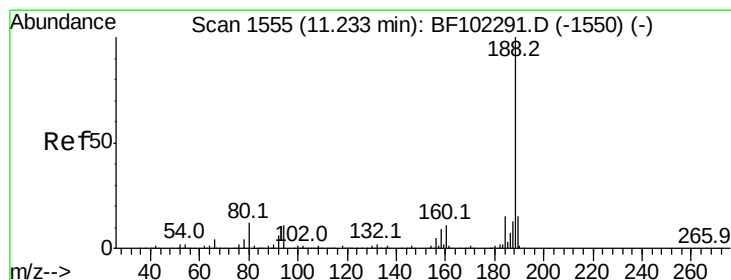
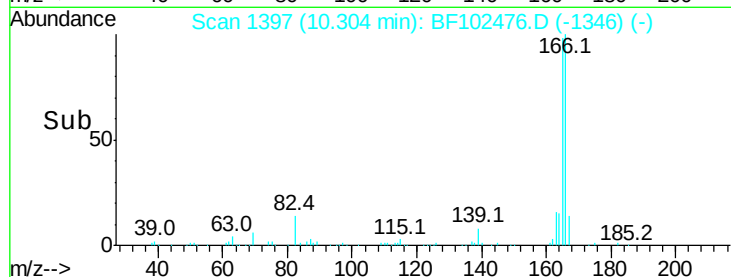
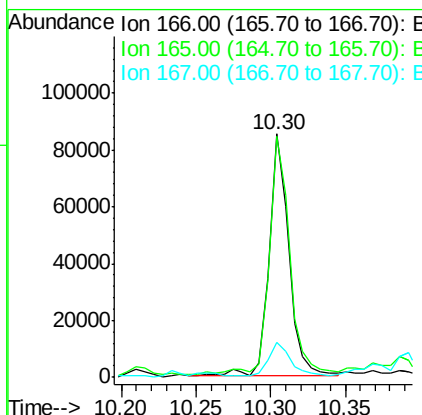
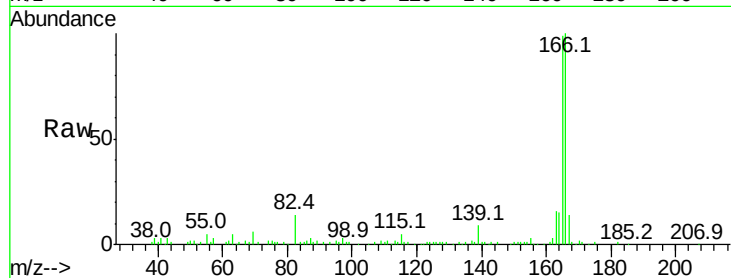




#57
 Fluorene
 Concen: 4.296 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

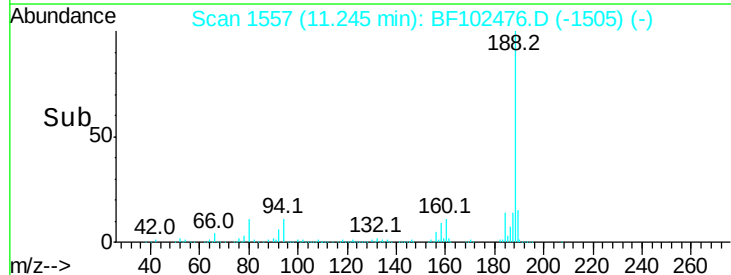
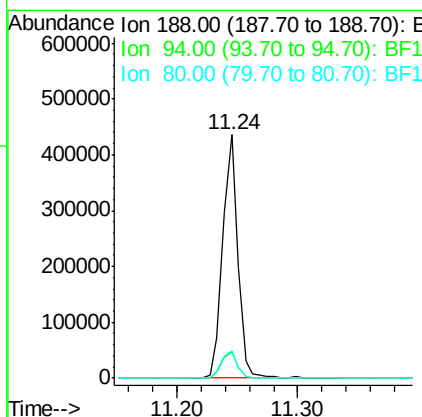
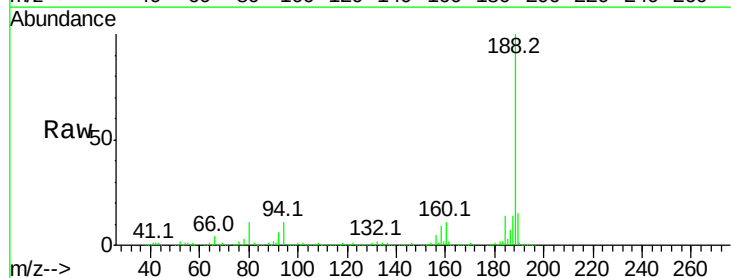
Instrument :
 BNA_F
 ClientSampleId :

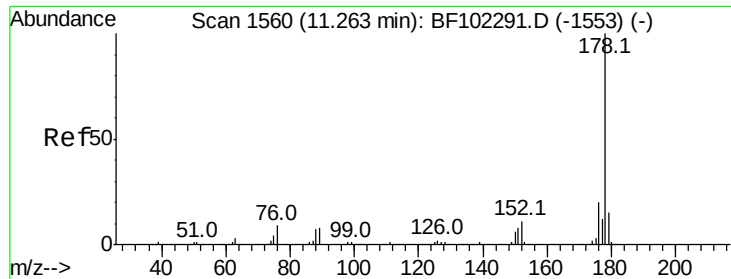
Tot Ion:166 Resp: 78356
 Ion Ratio Lower Upper
 166 100
 165 99.3 79.8 119.8
 167 14.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

Tgt Ion:188 Resp: 376709
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.2 9.2 13.8





#70

Phenanthrene

Concen: 22.036 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

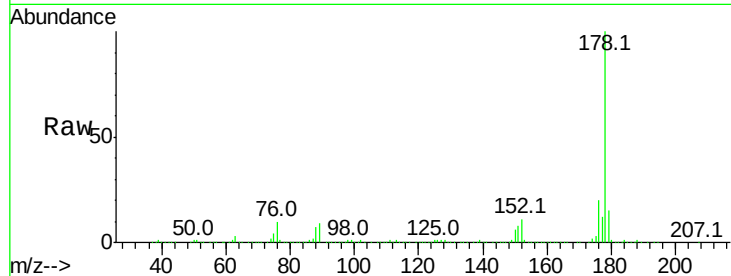
Tot Ion:178 Resp: 483719

Ion Ratio Lower Upper

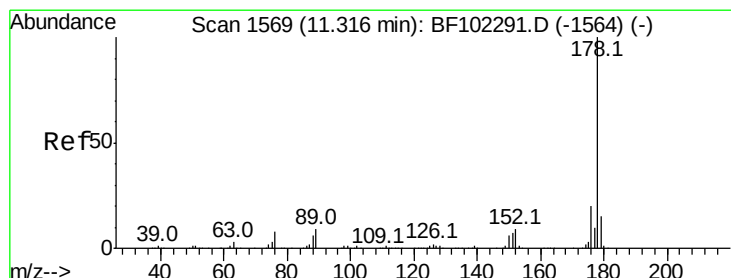
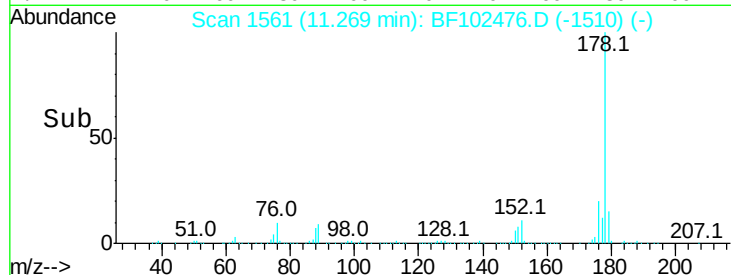
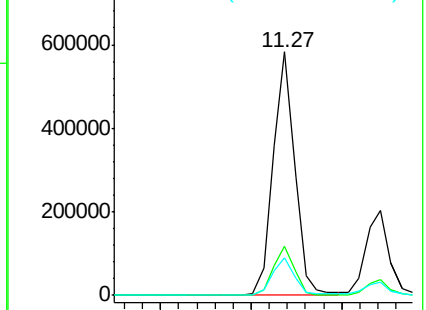
178 100

176 19.9 15.8 23.8

179 15.2 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: 8.312 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

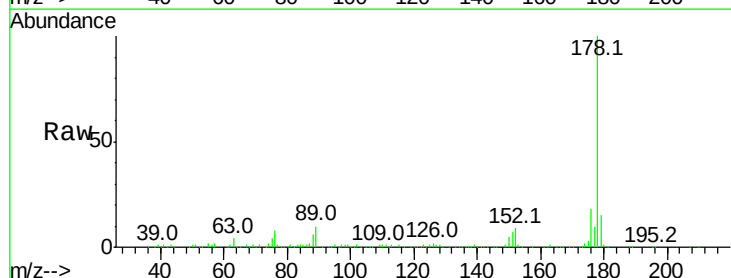
Tgt Ion:178 Resp: 186228

Ion Ratio Lower Upper

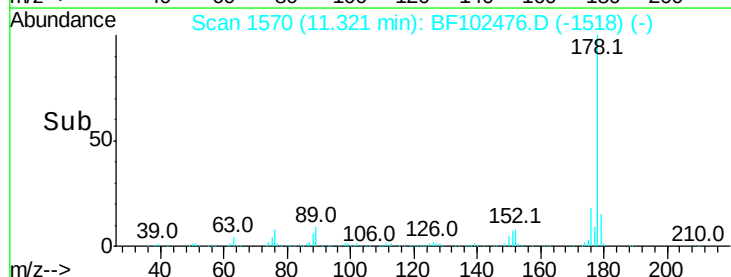
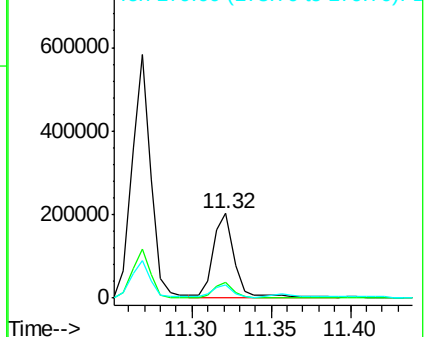
178 100

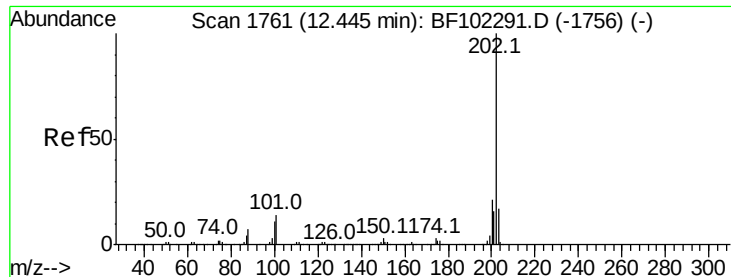
176 17.9 15.4 23.2

179 15.2 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: 25.452 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

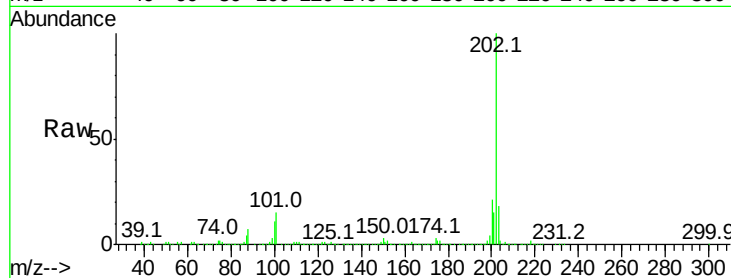
Tot Ion:202 Resp: 569755

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

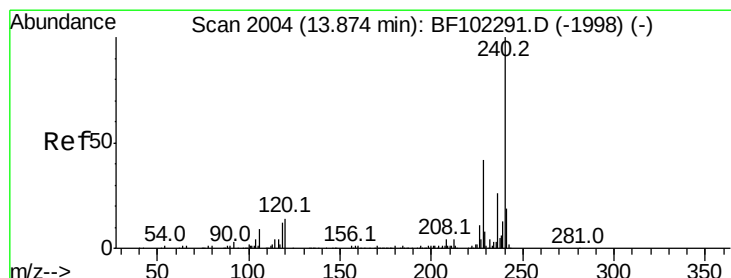
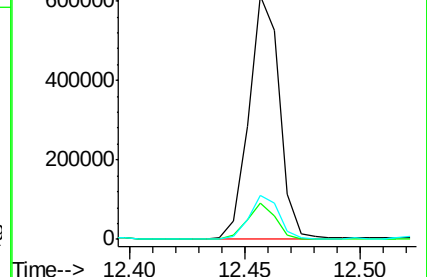
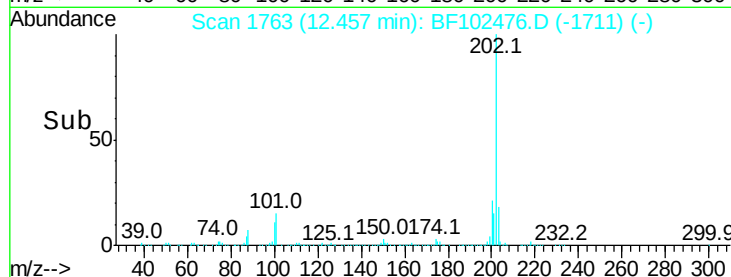
203 18.3 0.0 38.1



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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

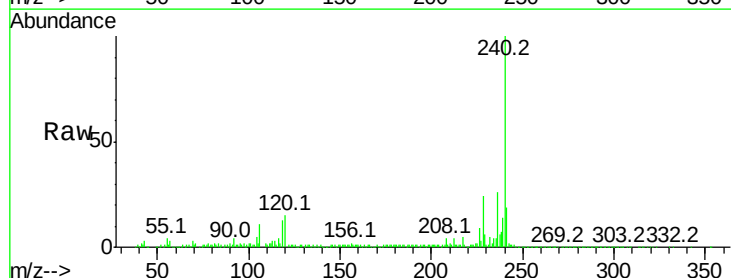
Tgt Ion:240 Resp: 290519

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

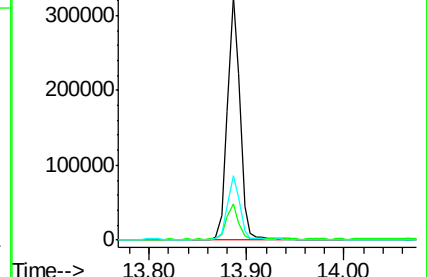
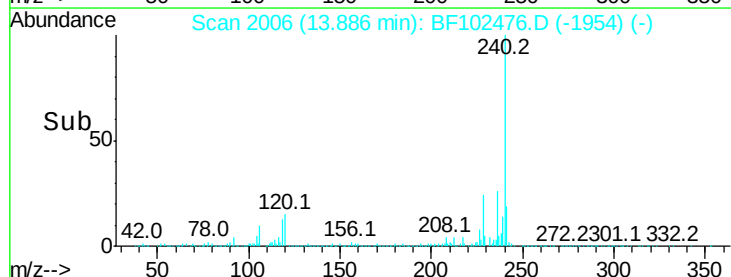
236 26.3 20.7 31.1

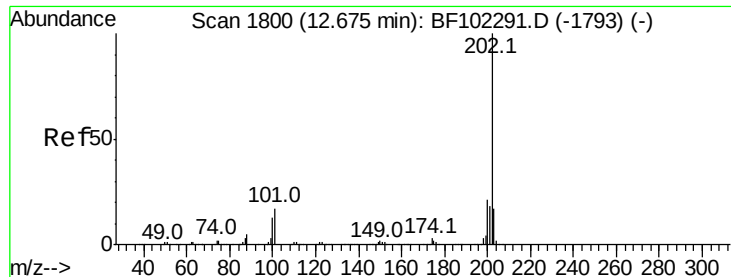


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.197 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

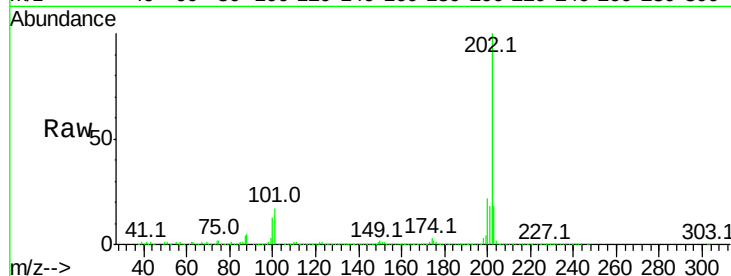
Tot Ion:202 Resp: 565980

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

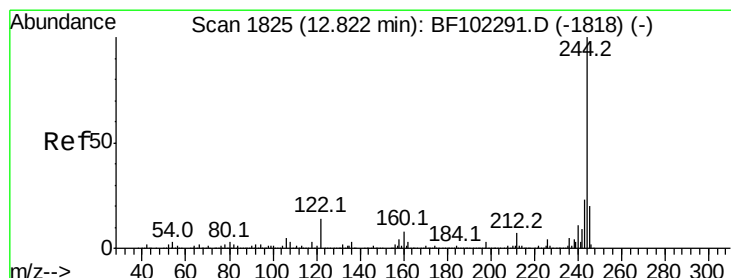
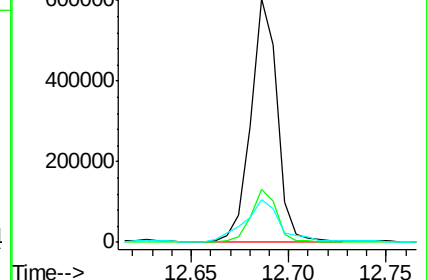
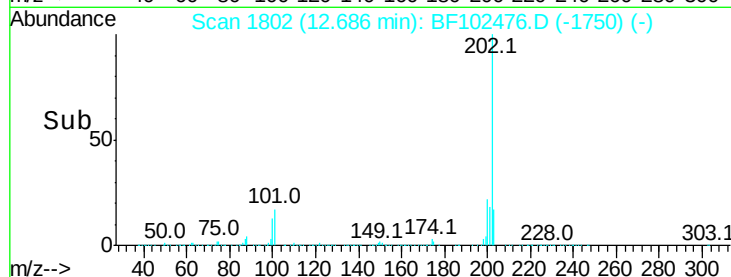
203 17.7 14.3 21.5



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: 34.753 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

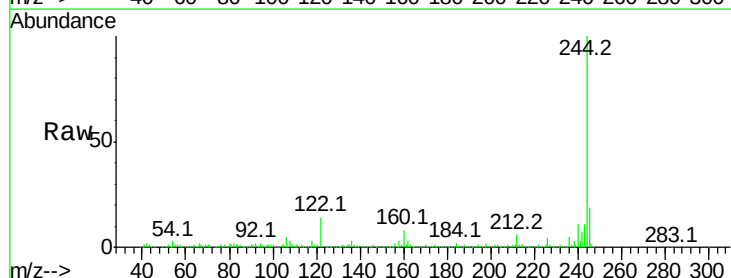
Tgt Ion:244 Resp: 447862

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

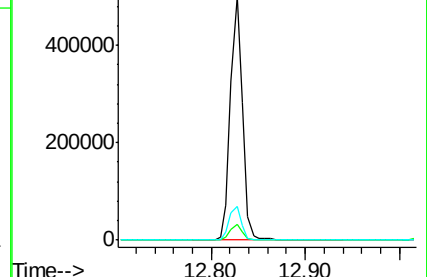
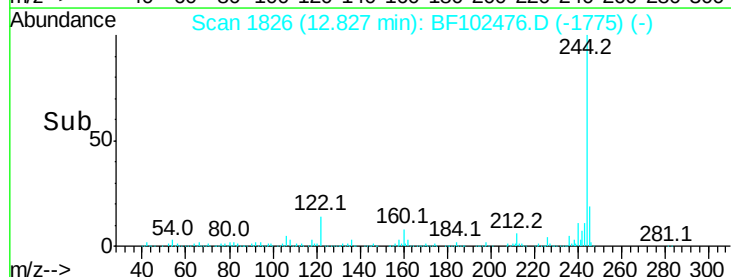
122 14.0 11.0 16.4

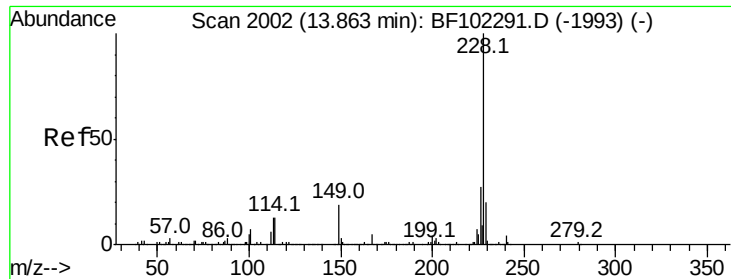


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

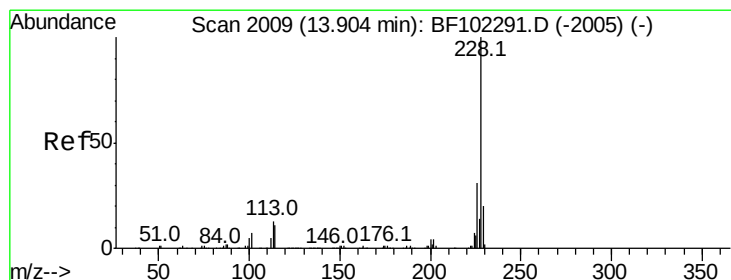
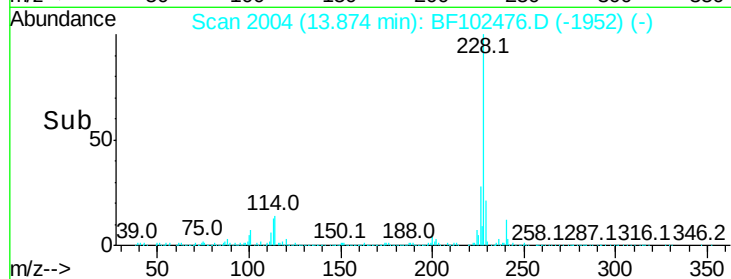
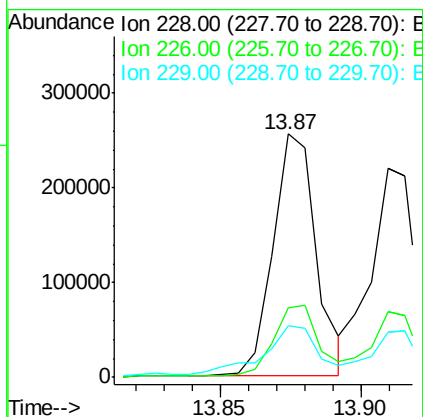
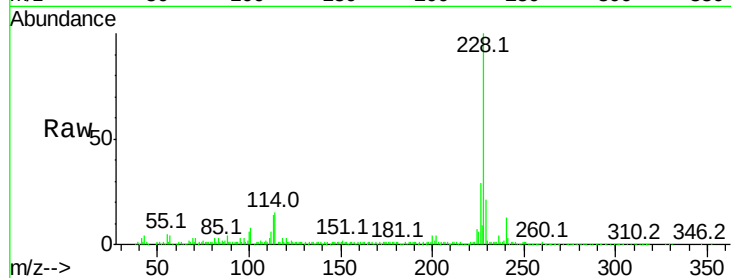




#80
Benzo(a)anthracene
Concen: 15.192 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

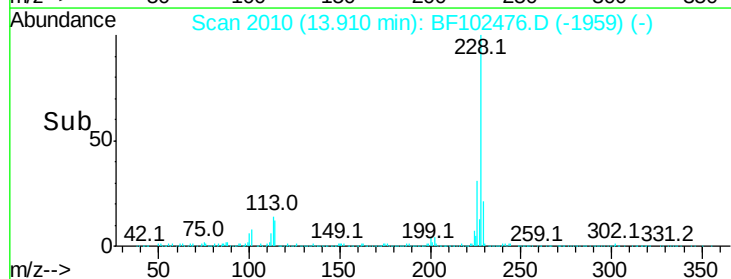
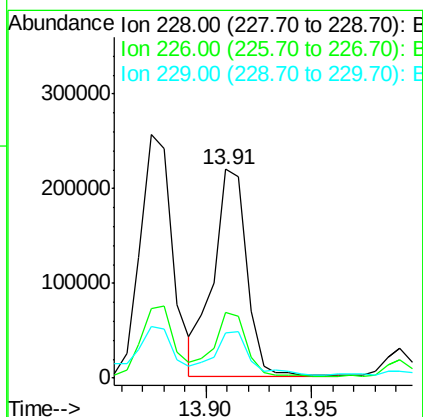
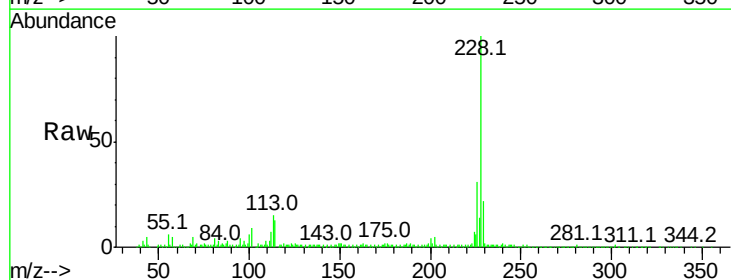
Instrument :
BNA_F
ClientSampleId :

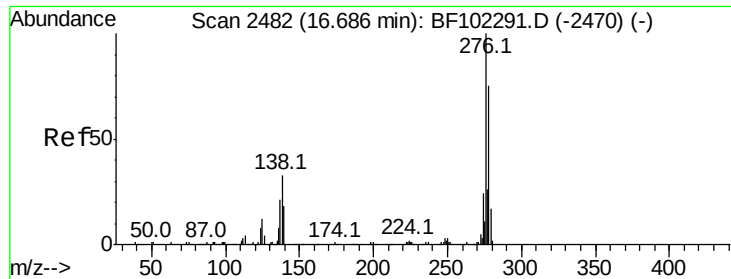
Tot Ion:228 Resp: 271727
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 13.348 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion:228 Resp: 242437
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.5 16.2 24.4

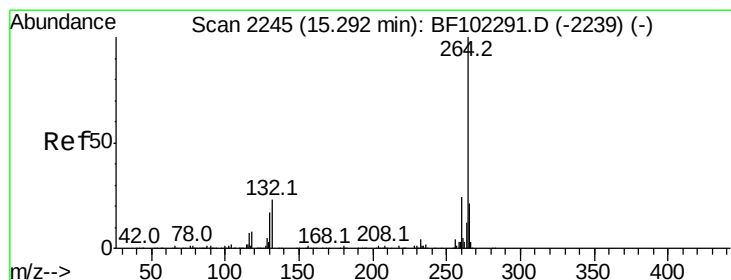
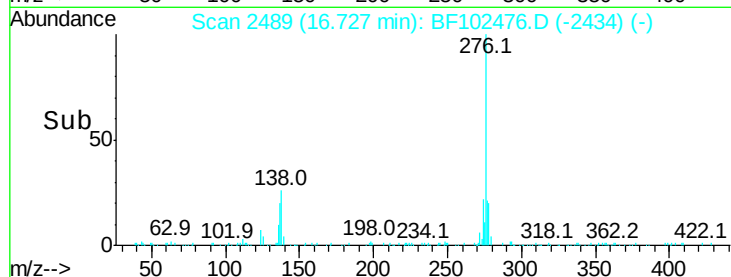
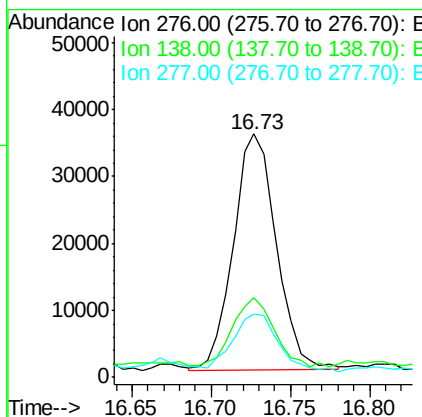
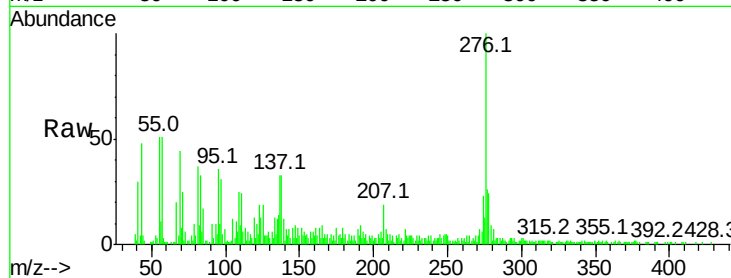




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.426 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

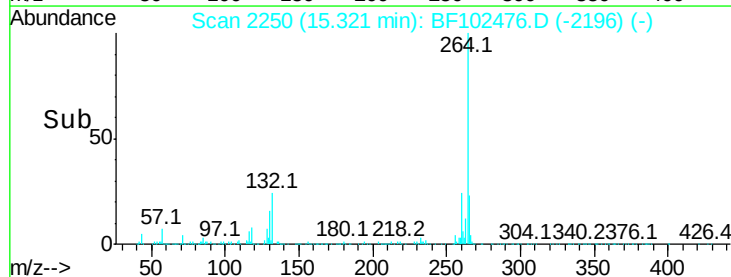
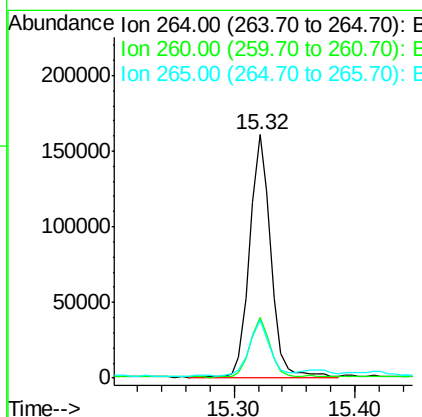
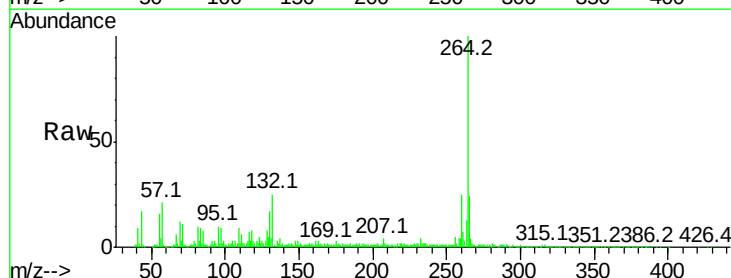
Instrument :
BNA_F
ClientSampleId :

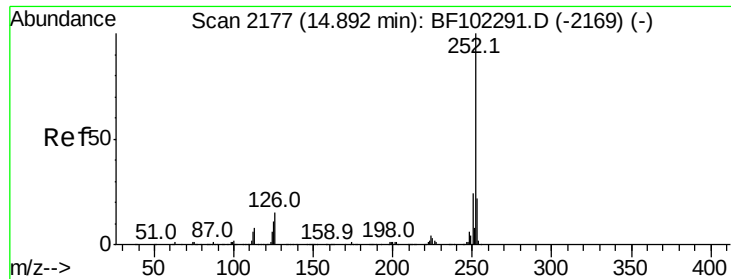
Tot Ion:276 Resp: 66399
Ion Ratio Lower Upper
276 100
138 27.5 25.0 37.6
277 25.5 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion:264 Resp: 196737
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 23.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 21.319 ng

RT: 14.91 min Scan# 2180

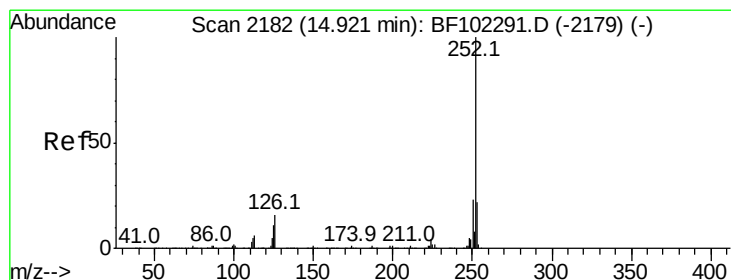
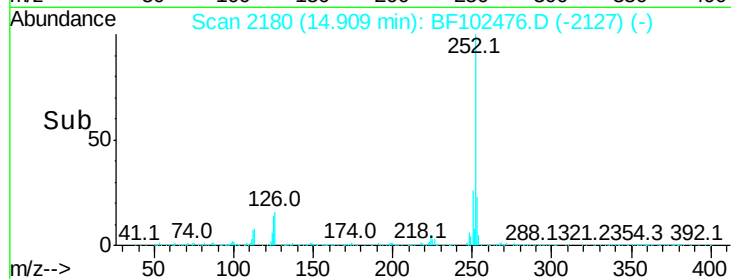
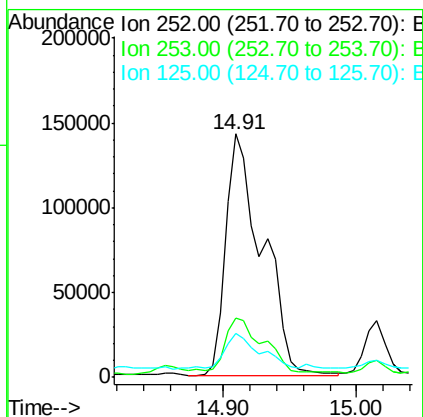
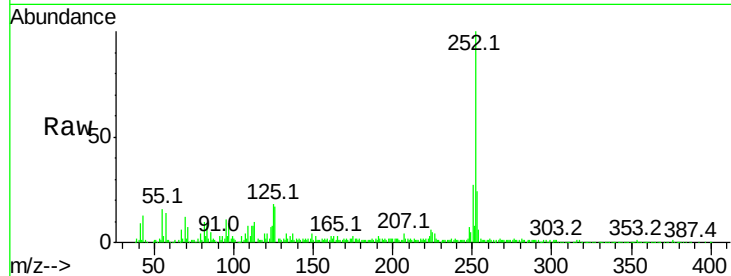
Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	18.0	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 22.565 ng

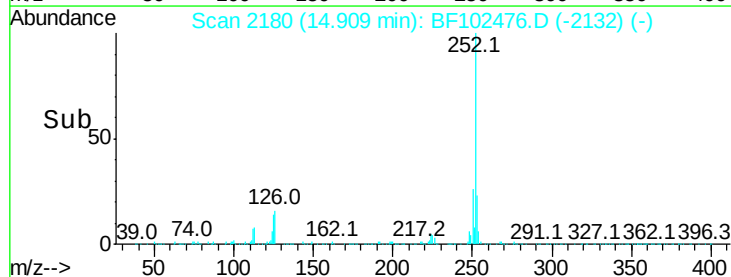
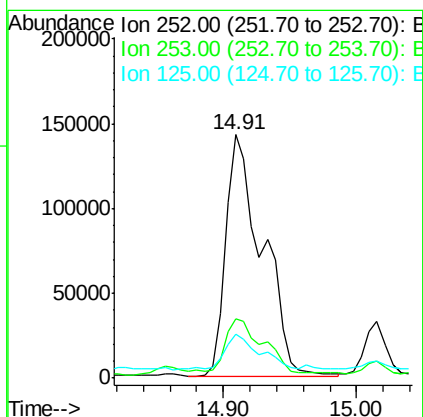
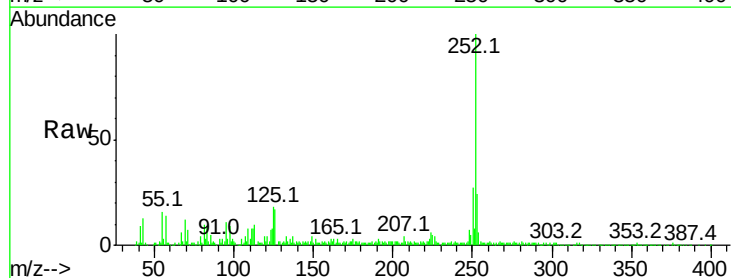
RT: 14.91 min Scan# 2180

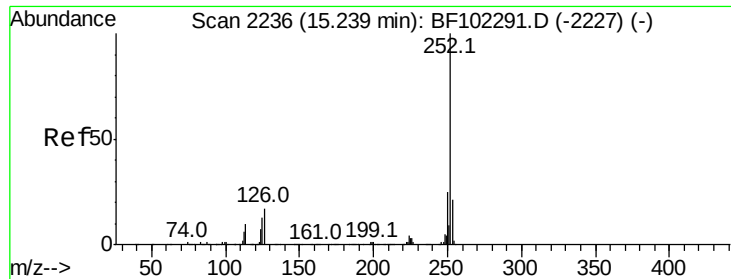
Delta R.T. -0.02 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	18.0	10.2	15.2

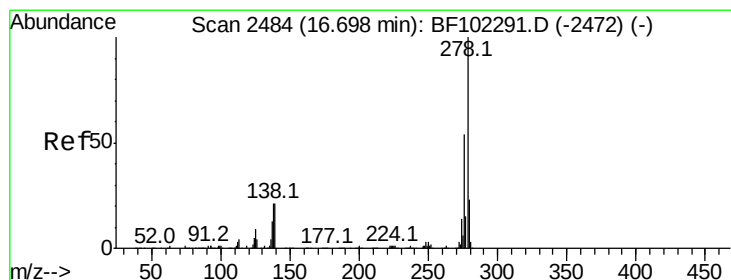
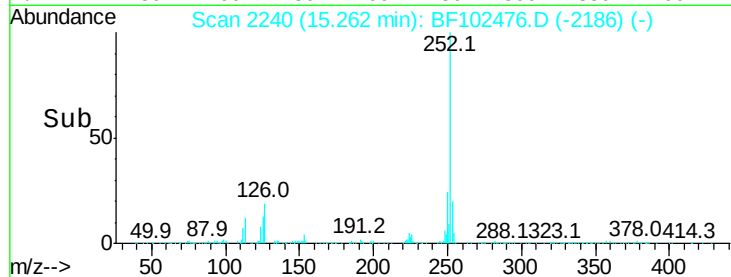
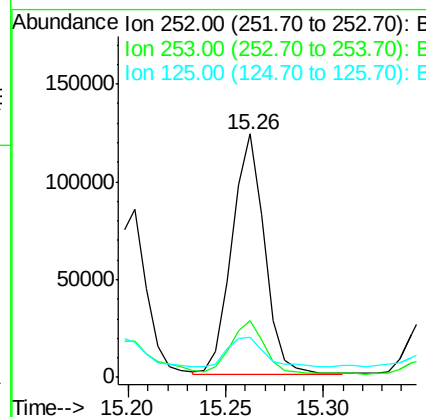
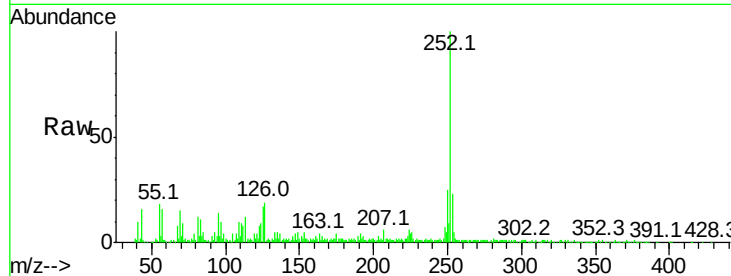




#89
Benzo(a)pyrene
Concen: 12.538 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

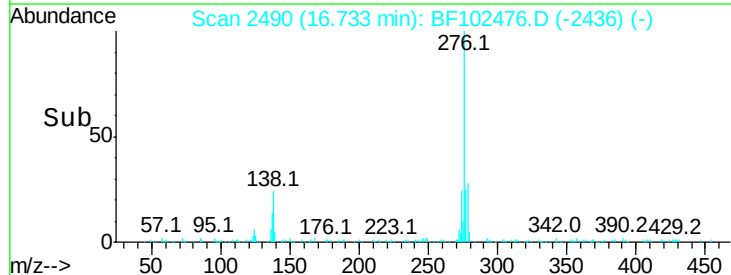
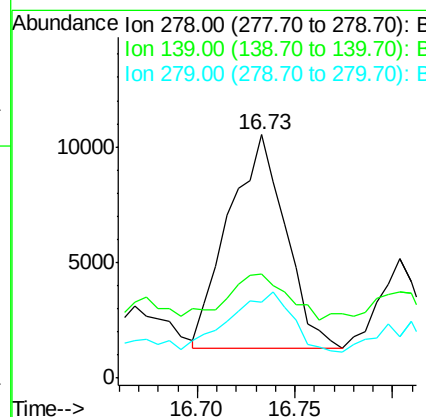
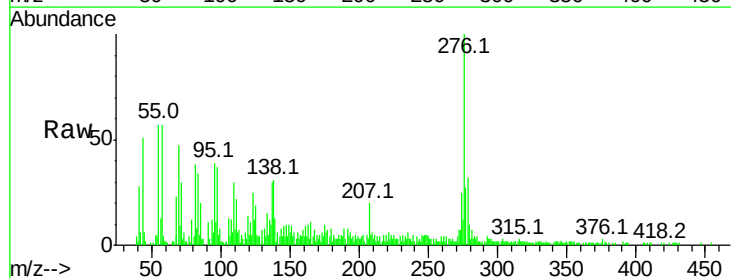
Instrument :
BNA_F
ClientSampleId :

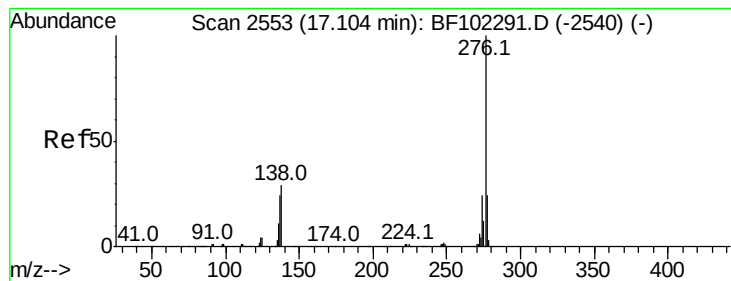
Tot Ion:252 Resp: 144191
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 16.6 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 2.001 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion:278 Resp: 18637
Ion Ratio Lower Upper
278 100
139 42.7 15.9 23.9#
279 31.2 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 7.459 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

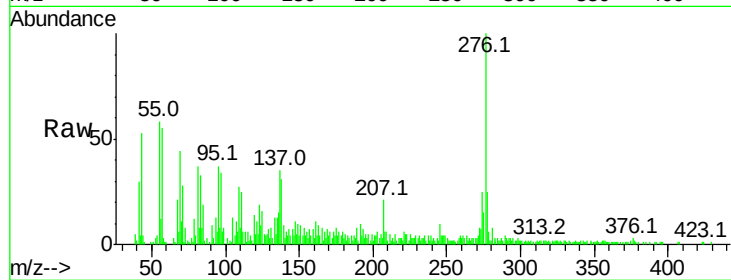
Tot Ion:276 Resp: 68609

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 30.8 21.8 32.8



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

