

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102406.D
 Acq On : 24 Jan 2018 22:47
 Operator : SJ/JU
 Sample : J1236-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:12:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	132889	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	541103	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	232262	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361693	20.00	ng	0.00
75) Chrysene-d12	13.87	240	250835	20.00	ng	0.00
86) Perylene-d12	15.30	264	255191	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	196563	22.43	ng	0.00
7) Phenol-d6	6.36	99	876307	82.94	ng	0.00
23) Nitrobenzene-d5	7.28	82	674054	71.59	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	20668	8.98	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	983525	62.26	ng	0.00
78) Terphenyl-d14	12.82	244	742695	66.75	ng	0.00

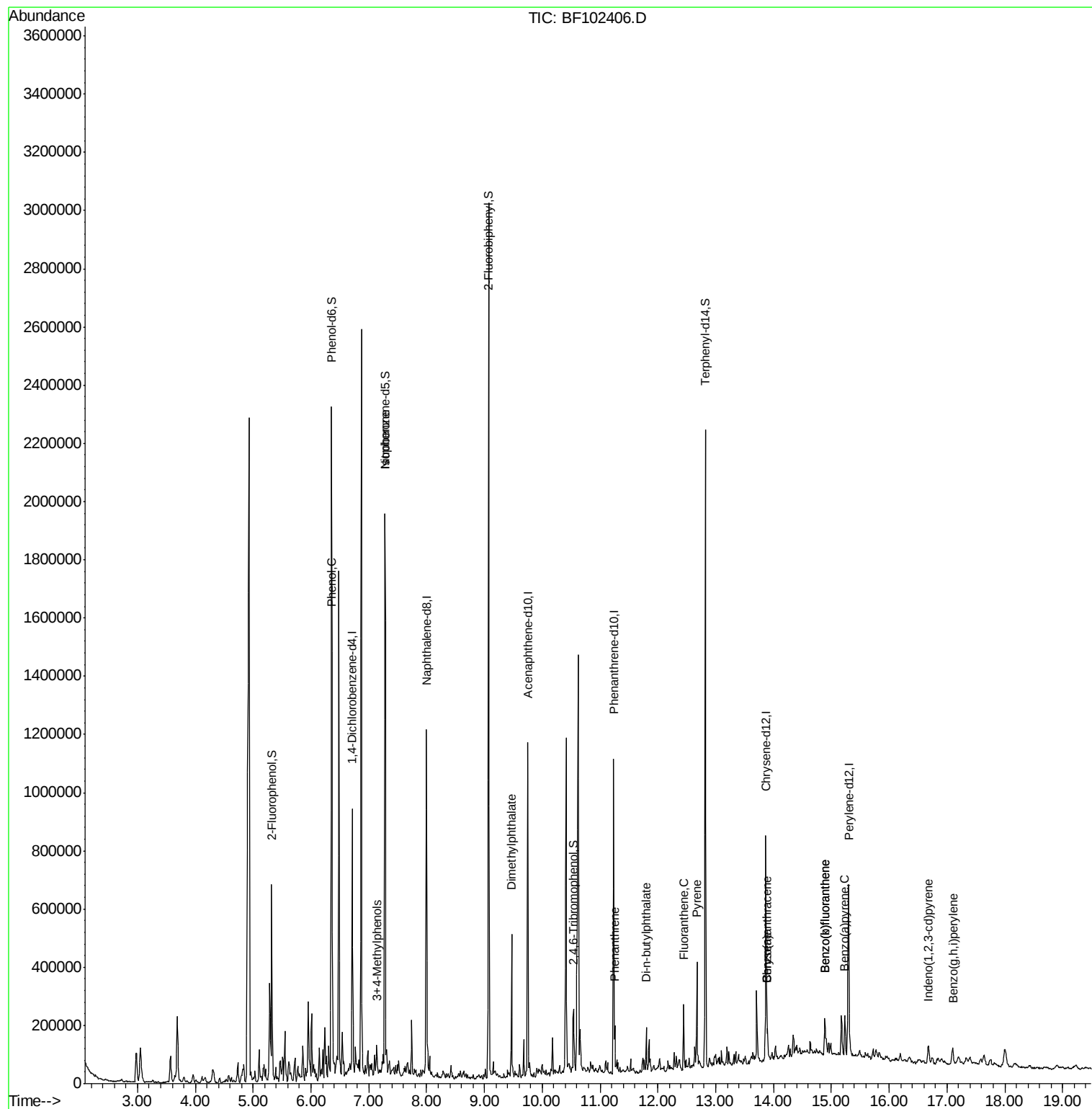
Target Compounds				Qvalue		
10) Phenol	6.37	94	78437	6.800	ng	99
20) 3+4-Methylphenols	7.13	107	30263	3.225	ng	89
25) Isophorone	7.28	82	664183	39.567	ng	# 64
49) Dimethylphthalate	9.47	163	174015	9.064	ng	98
70) Phenanthrene	11.26	178	51587	2.448	ng	98
73) Di-n-butylphthalate	11.80	149	80352	3.063	ng	98
74) Fluoranthene	12.44	202	78646	3.659	ng	97
77) Pyrene	12.67	202	148390	7.651	ng	100
80) Benzo(a)anthracene	13.90	228	48357	3.131	ng	94
82) Chrysene	13.90	228	48357	3.084	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	34687	2.678	ng	96
87) Benzo(b)fluoranthene	14.89	252	80893	4.891	ng	# 94
88) Benzo(k)fluoranthene	14.89	252	80893	5.177	ng	97
89) Benzo(a)pyrene	15.23	252	60807	4.076	ng	# 94
91) Benzo(a,h,i)perylene	17.10	276	47500	3.981	ng	96

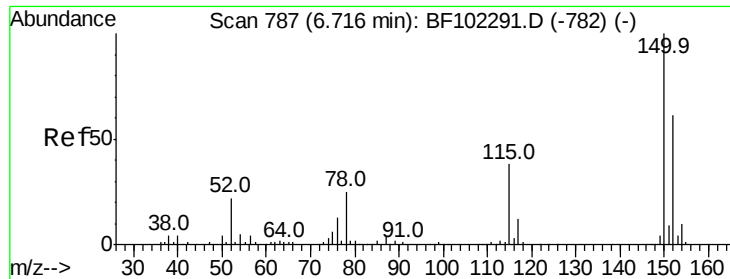
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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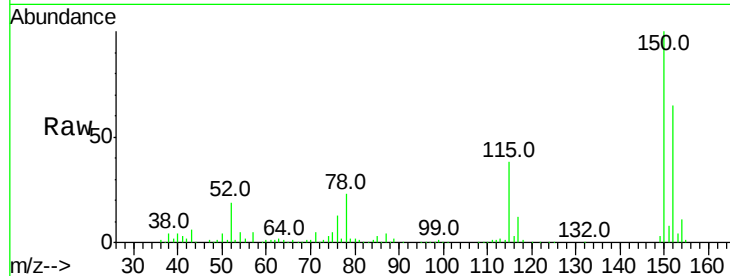


#1

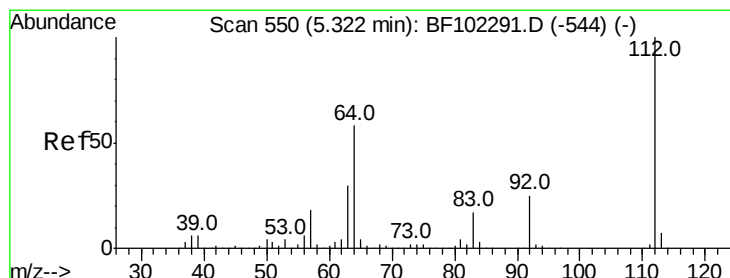
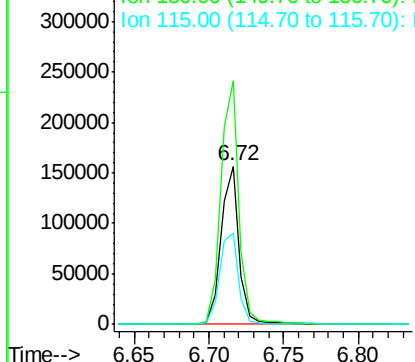
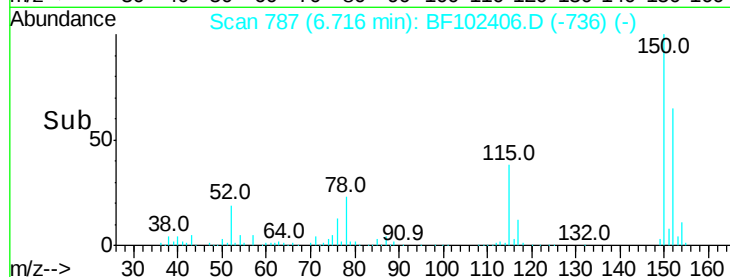
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132889
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 57.7 50.1 75.1



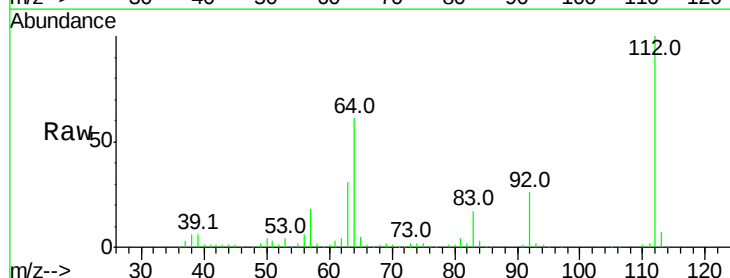
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



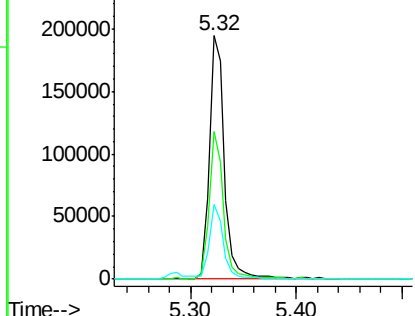
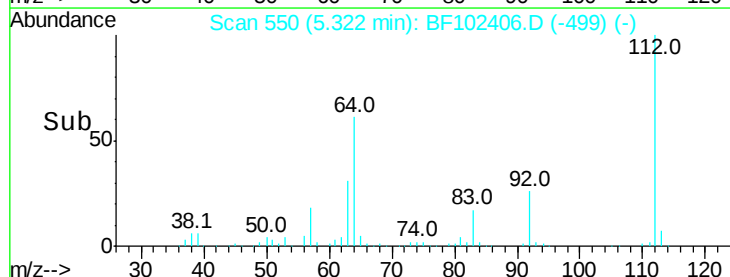
#5

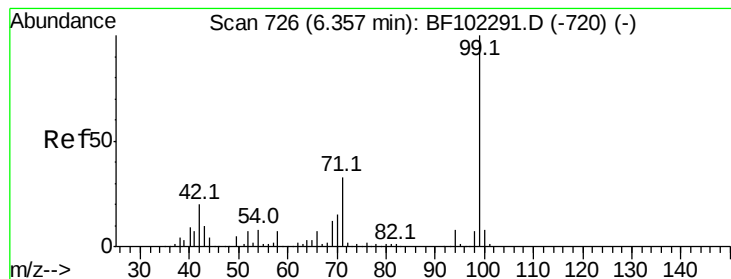
2-Fluorophenol
Concen: 22.428 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Tgt Ion:112 Resp: 196563
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 30.8 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: 82.936 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

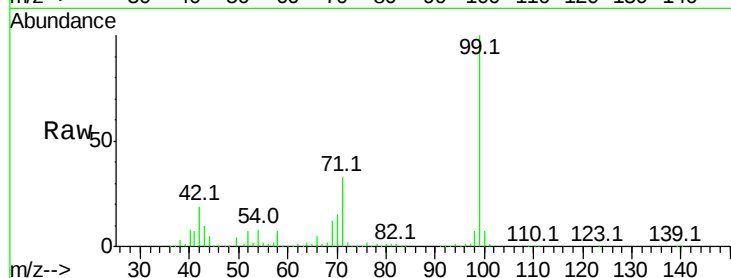
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 876307

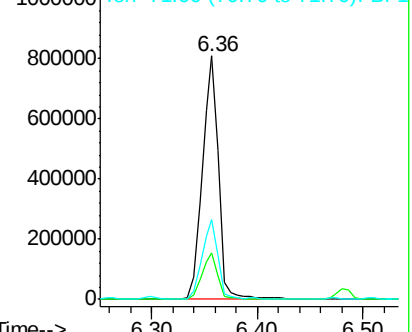
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.5	21.7
71	32.9	25.4	38.0



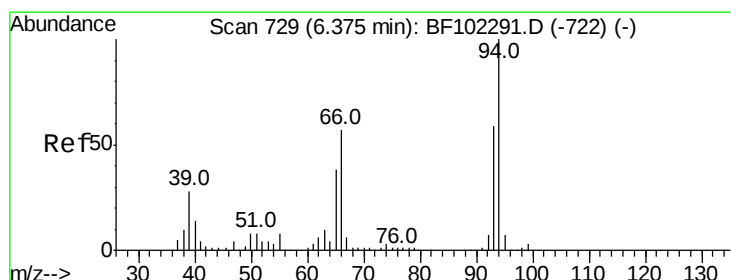
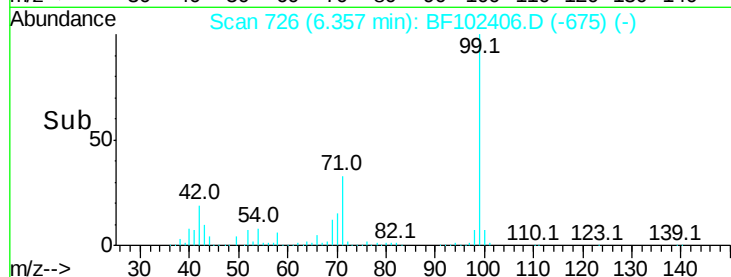
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 6.800 ng

RT: 6.37 min Scan# 728

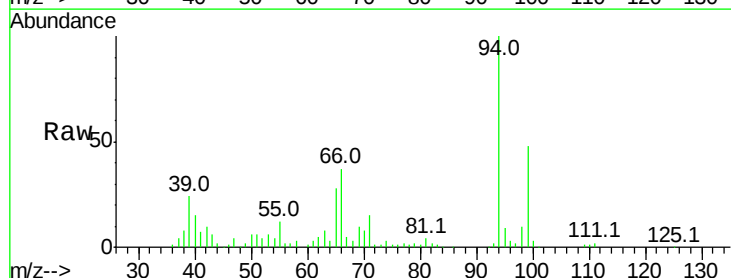
Delta R.T. -0.01 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Tgt Ion: 94 Resp: 78437

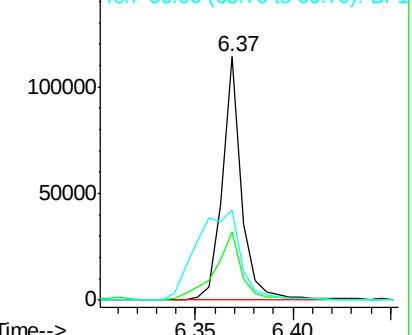
Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.9	47.9
66	37.0	16.2	56.2



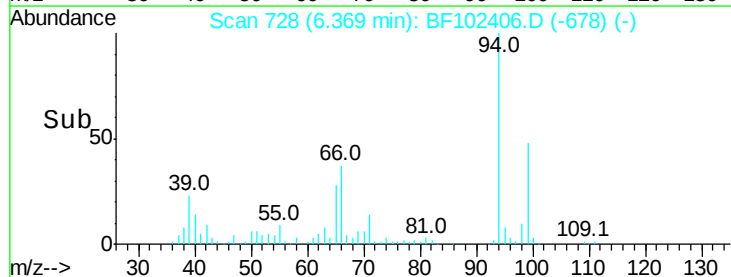
Abundance Ion 94.00 (93.70 to 94.70): BF1

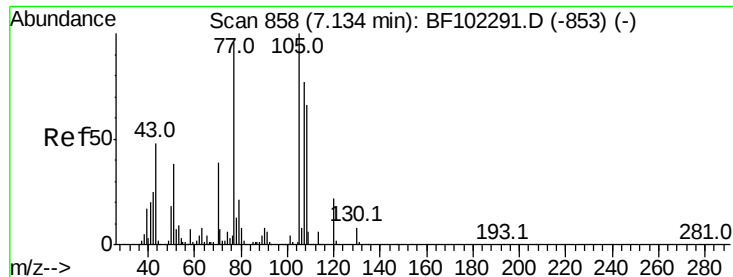
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->

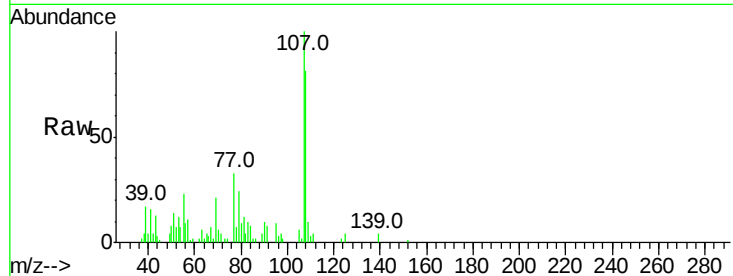




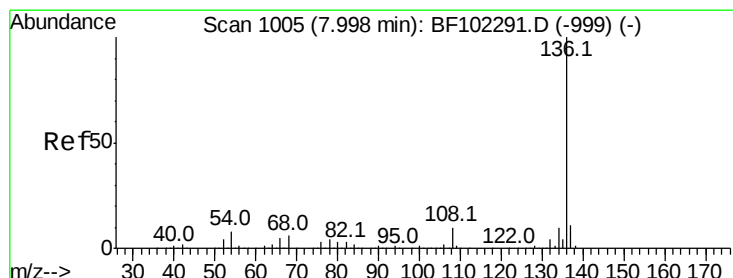
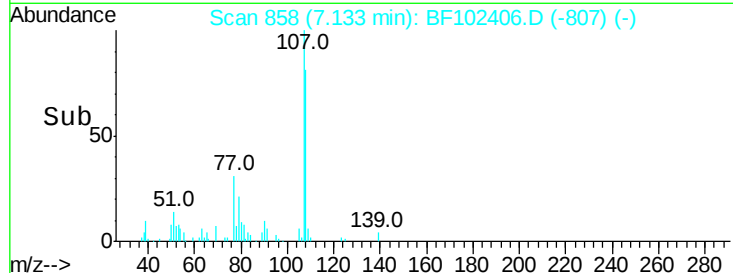
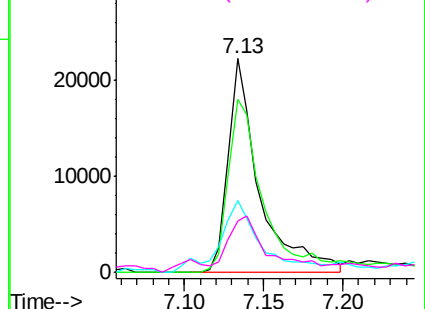
#20
3+4-Methylphenols
Concen: 3.225 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	30263
Ion	Ratio	Lower	Upper
107	100		
108	80.8	68.2	108.2
77	33.3	26.7	66.7
79	24.0	6.3	46.3

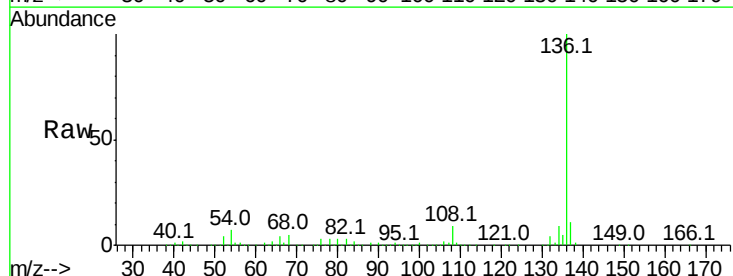


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

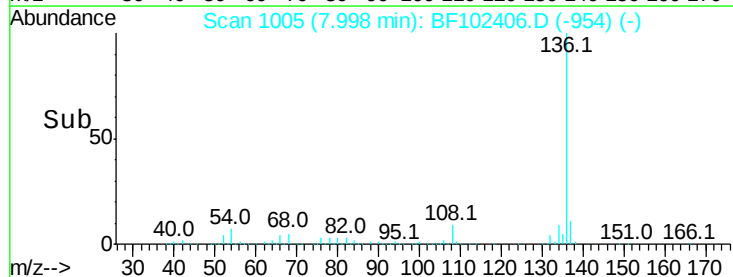
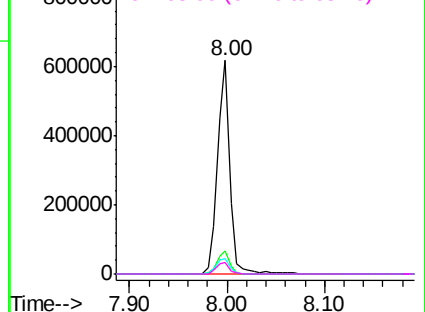


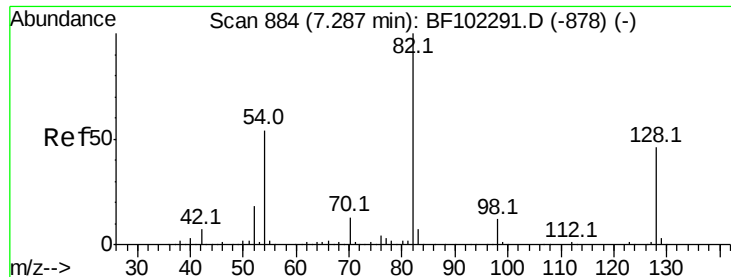
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Tgt Ion:	136	Resp:	541103
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.6	9.8
68	5.3	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

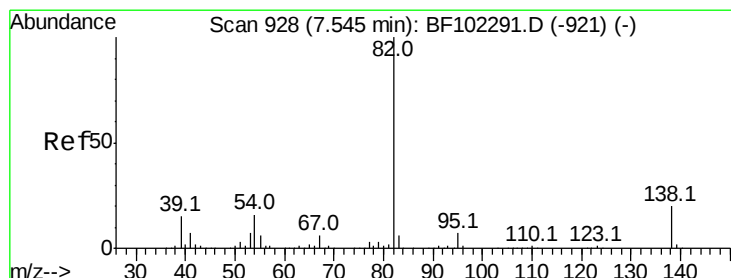
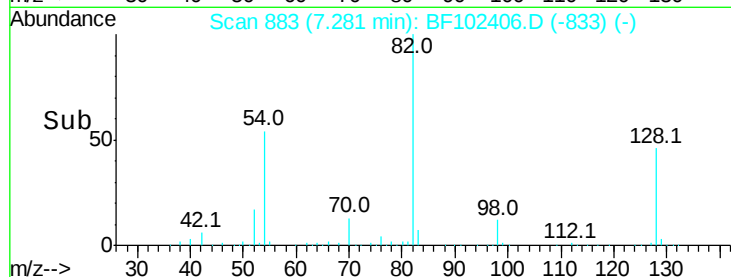
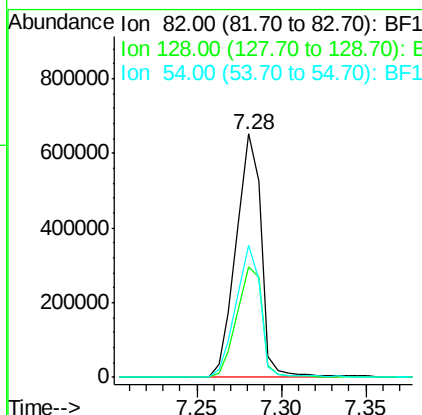
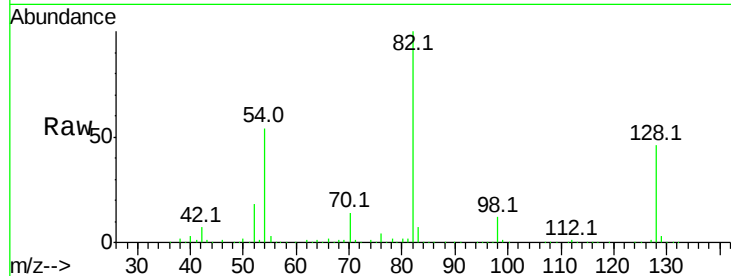




#23
 Nitrobenzene-d5
 Concen: 71.587 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102406.D
 Acq: 24 Jan 2018 22:47

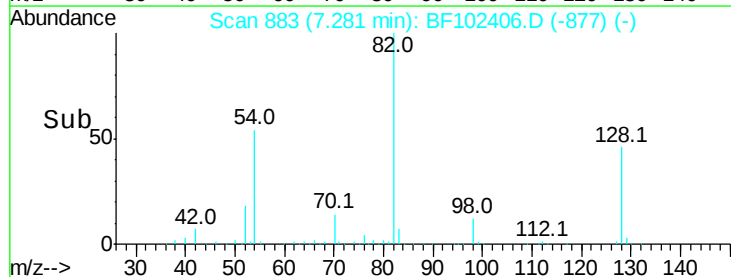
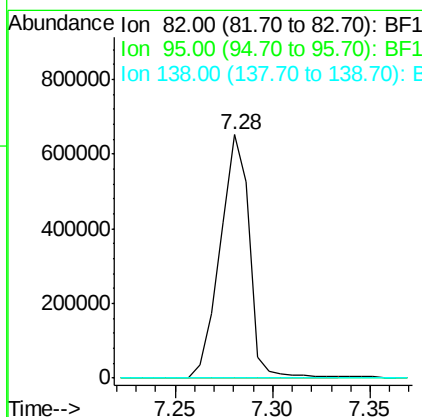
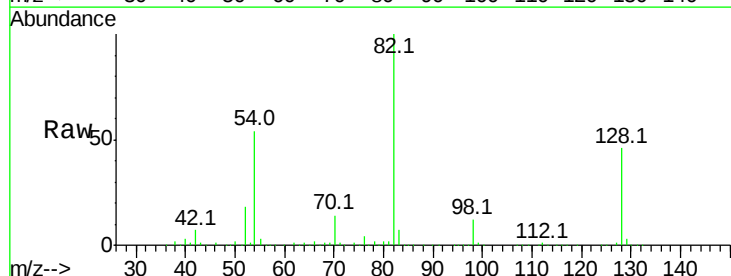
Instrument :
 BNA_F
 ClientSampled :

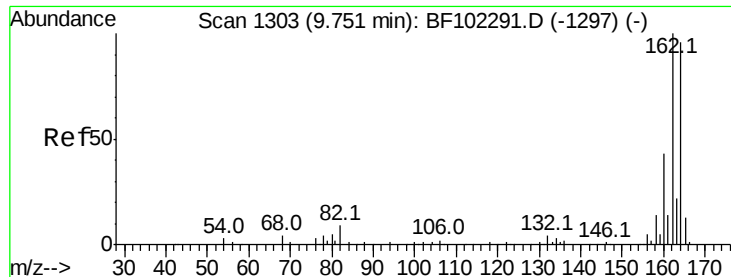
Tot Ion	82	Resp	674054
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	54.3	41.4	62.2



#25
 Isophorone
 Concen: 39.567 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102406.D
 Acq: 24 Jan 2018 22:47

Tgt Ion	82	Resp	664183
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#

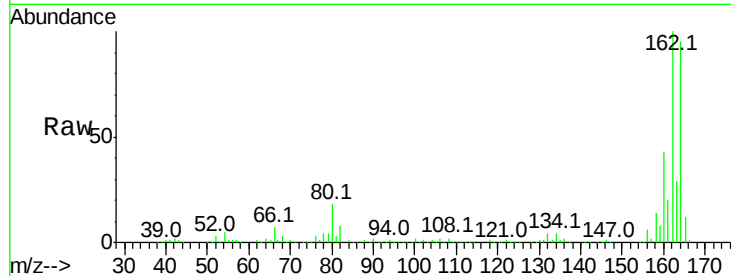




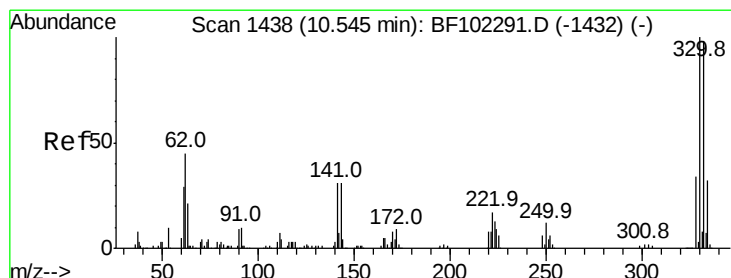
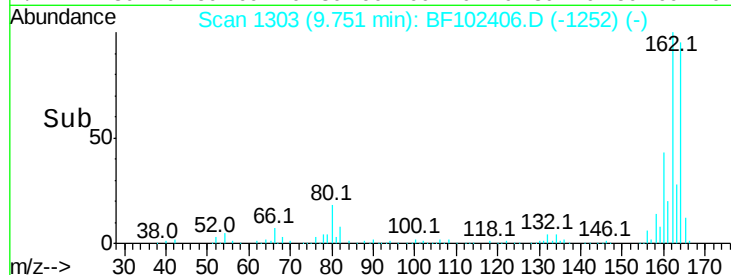
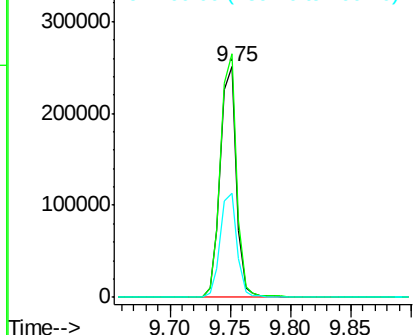
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 232262
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 45.4 38.3 57.5

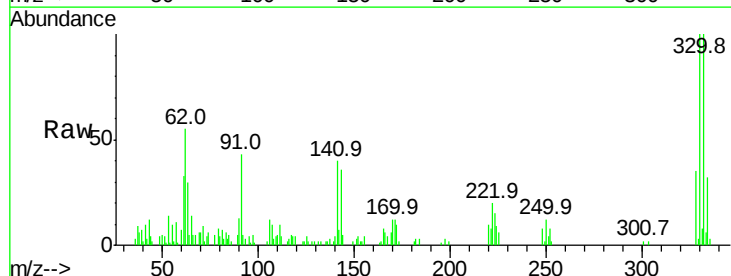


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

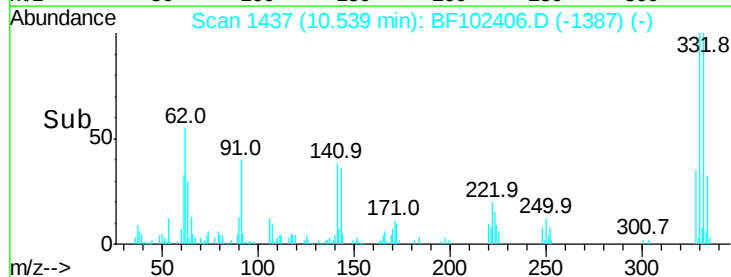
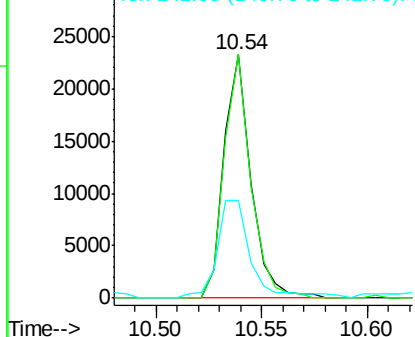


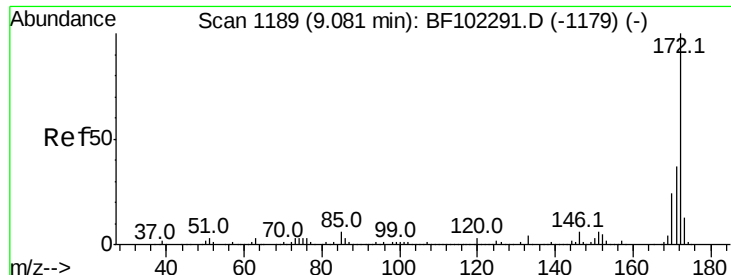
#41
2,4,6-Tribromophenol
Concen: 8.981 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Tgt Ion:330 Resp: 20668
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 50.2 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

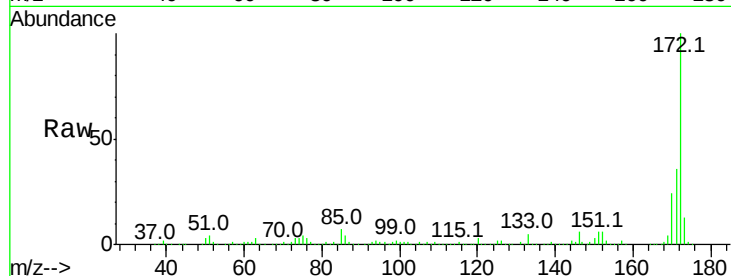




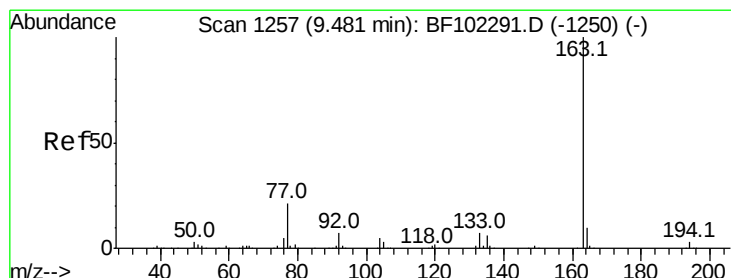
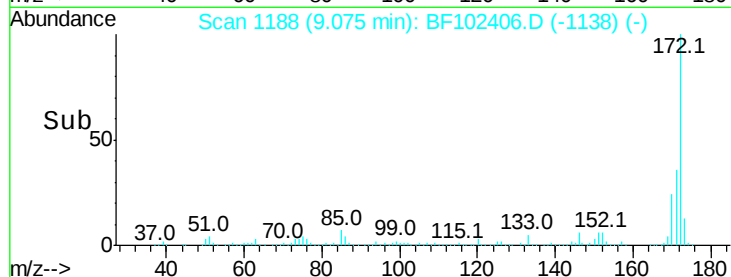
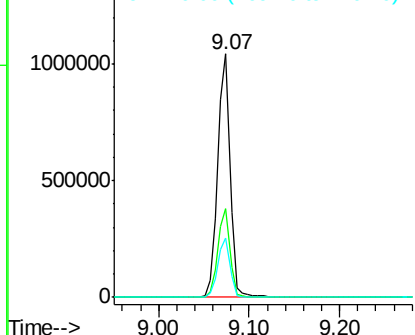
#44
 2-Fluorobiphenyl
 Concen: 62.263 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102406.D
 Acq: 24 Jan 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.3	19.6	29.4

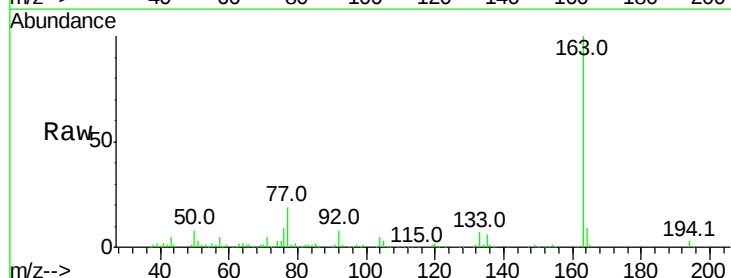


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

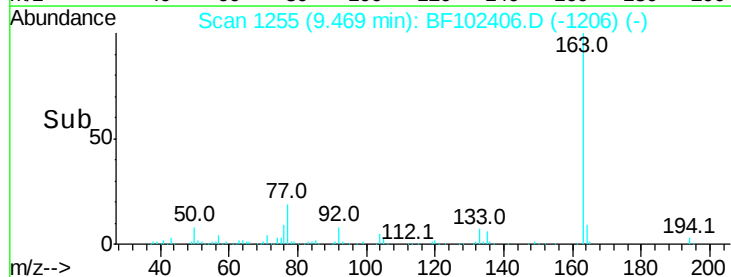
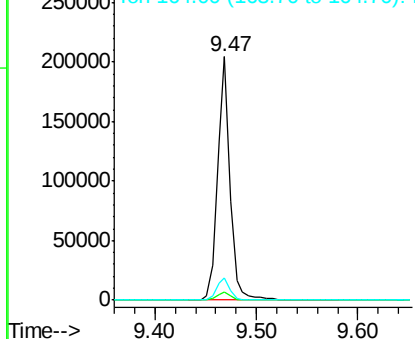


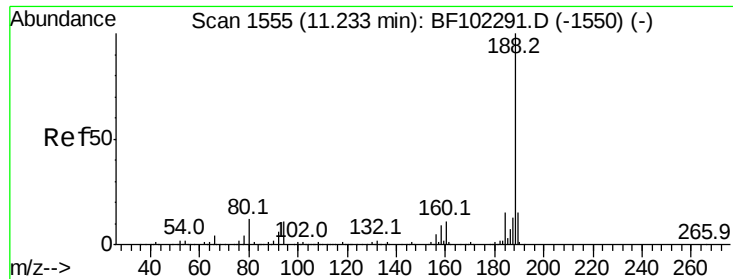
#49
 Dimethylphthalate
 Concen: 9.064 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102406.D
 Acq: 24 Jan 2018 22:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.3	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

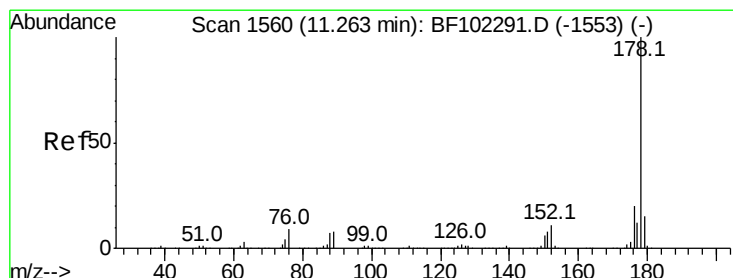
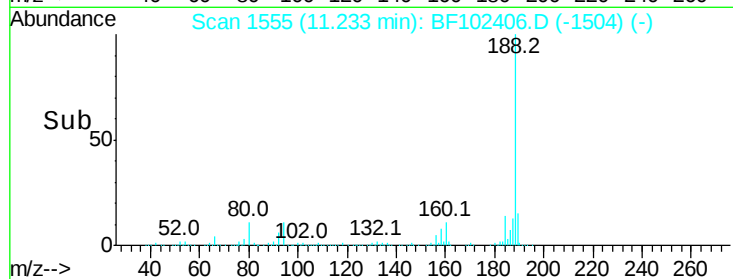
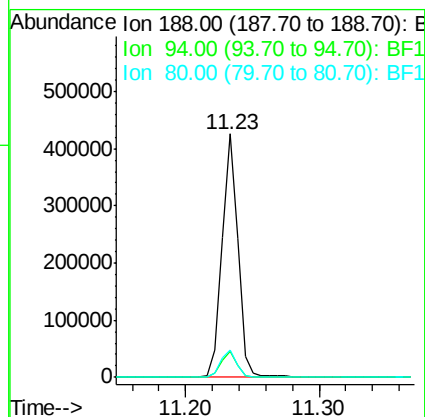
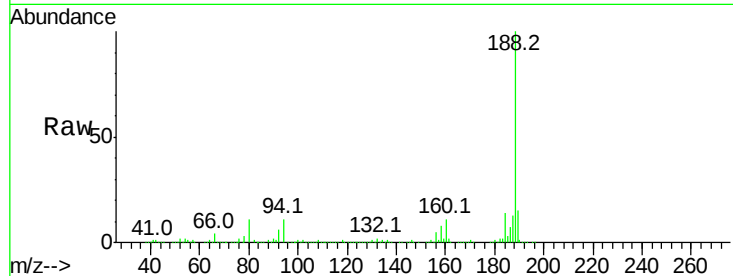




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

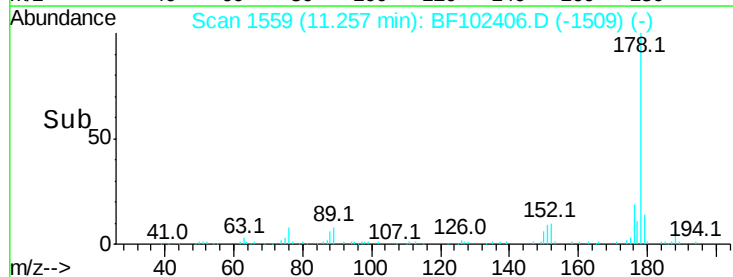
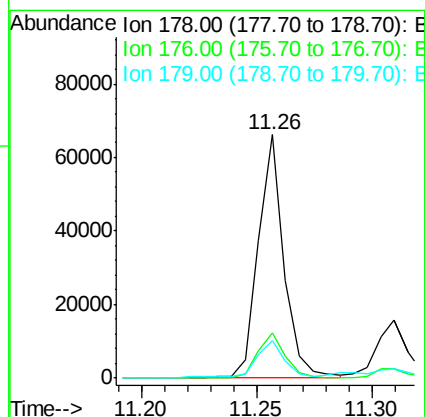
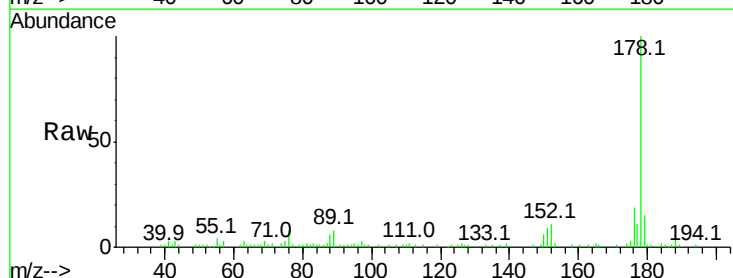
Instrument :
BNA_F
ClientSampled :

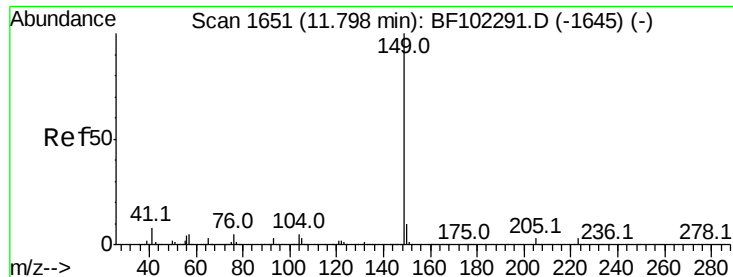
Tot Ion:188 Resp: 361693
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.2 9.2 13.8



#70
Phenanthrene
Concen: 2.448 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Tgt Ion:178 Resp: 51587
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.3 13.0 19.6





#73

Di-n-butylphthalate

Concen: 3.063 ng

RT: 11.80 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampleId :

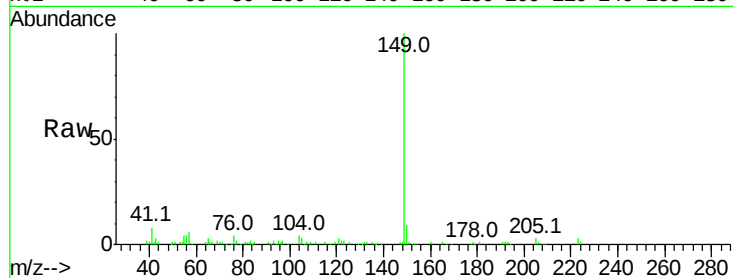
Tot Ion:149 Resp: 80352

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

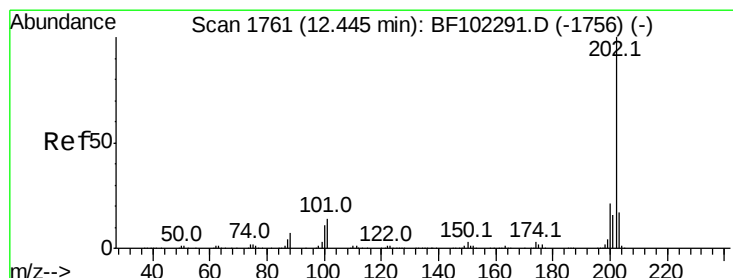
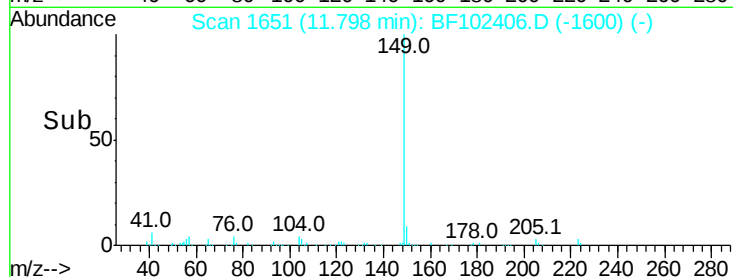
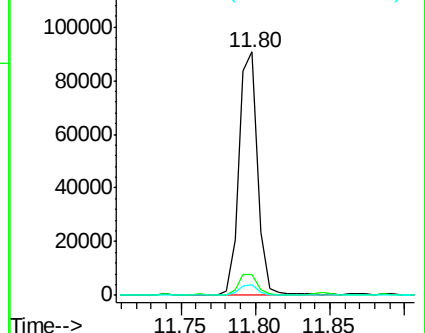
104 4.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 3.659 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

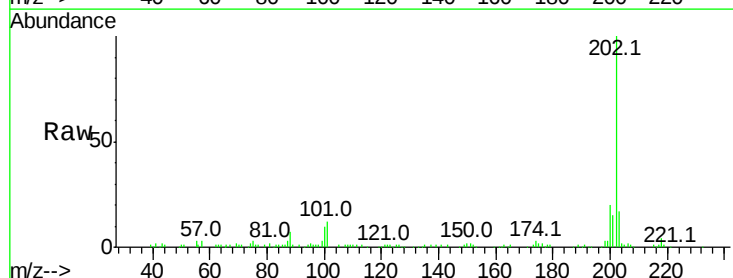
Tgt Ion:202 Resp: 78646

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

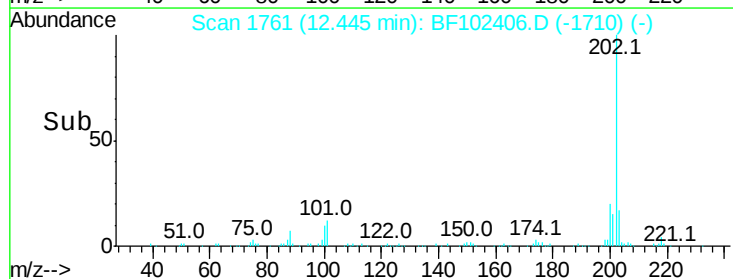
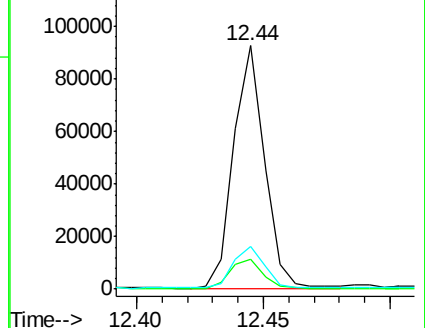
203 17.5 0.0 38.1

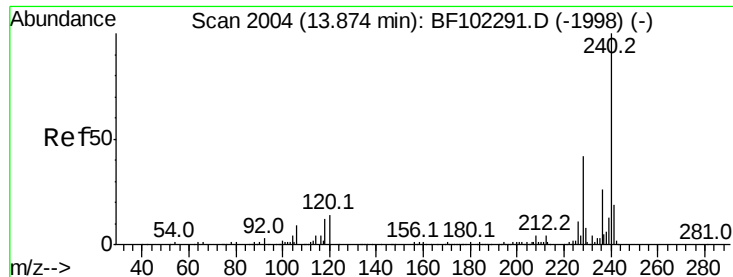


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampleId :

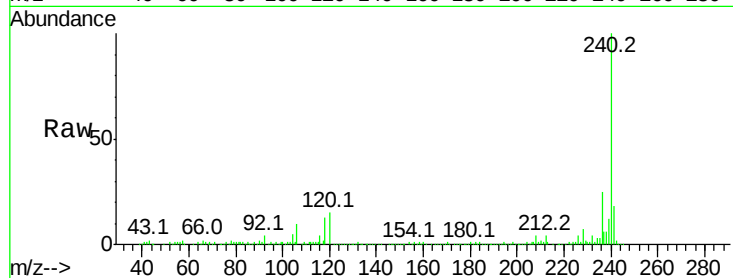
Tot Ion:240 Resp: 250835

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

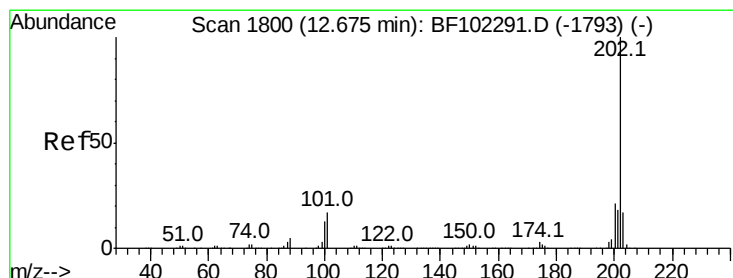
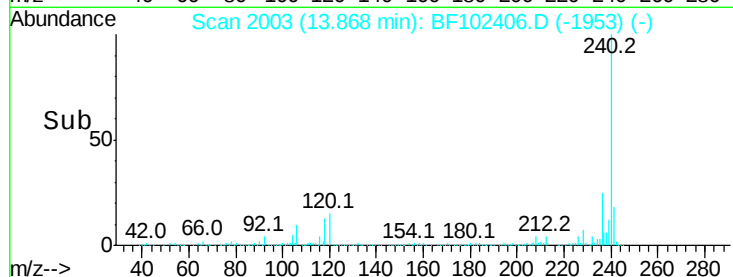
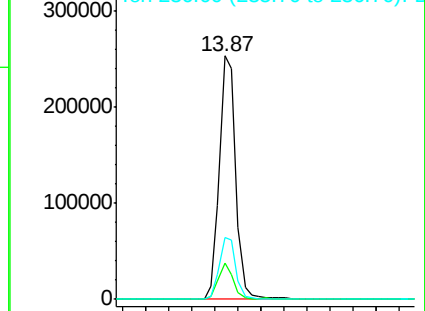
236 25.2 20.7 31.1



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: 7.651 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

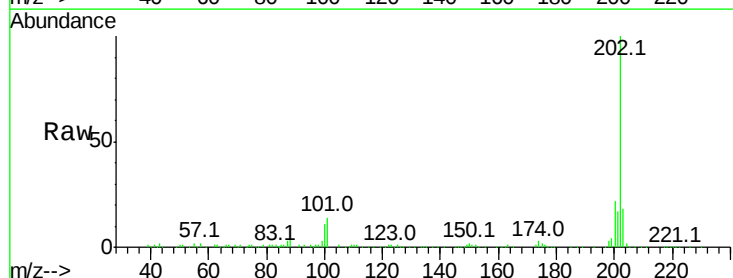
Tgt Ion:202 Resp: 148390

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

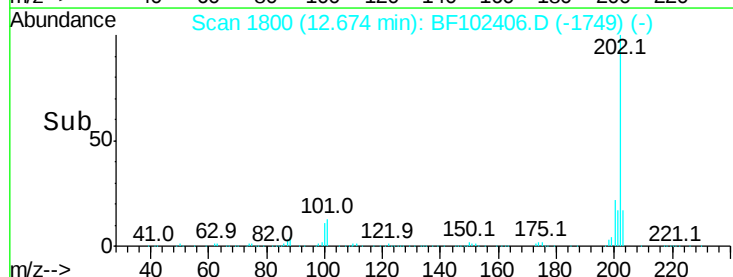
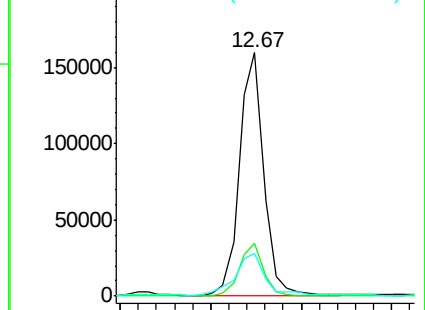
203 17.7 14.3 21.5

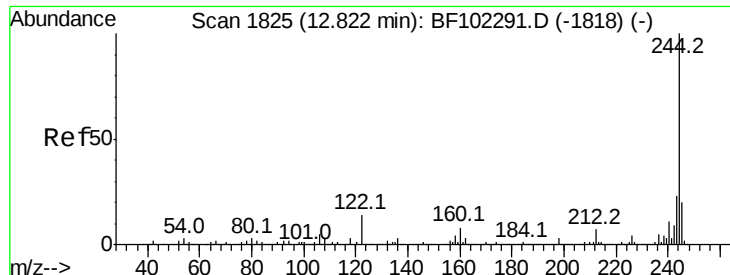


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.749 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampleId :

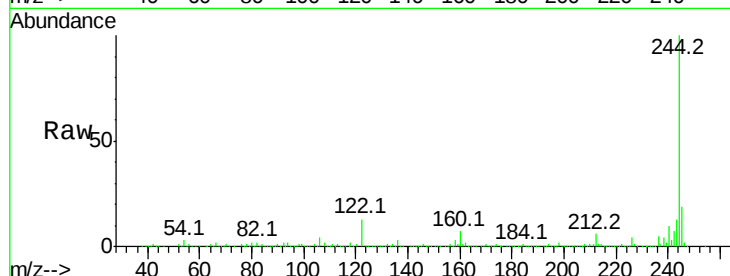
Tot Ion:244 Resp: 742695

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

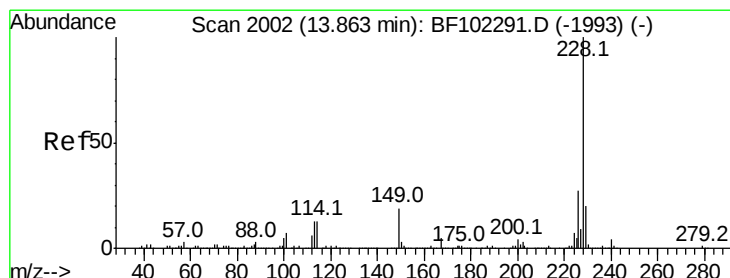
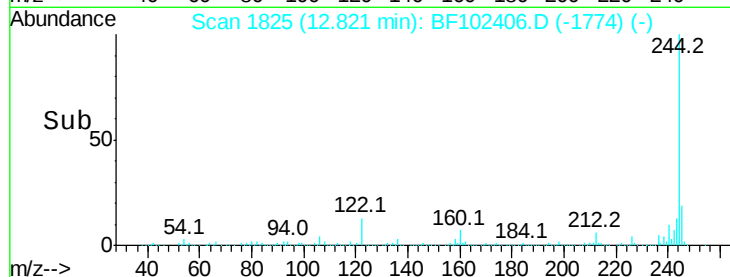
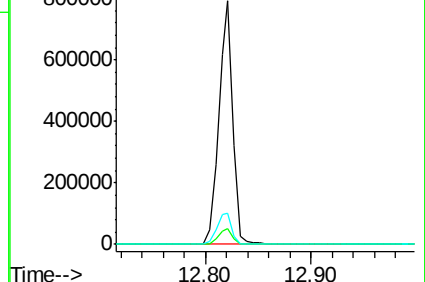
122 12.8 11.0 16.4



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: 3.131 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.04 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

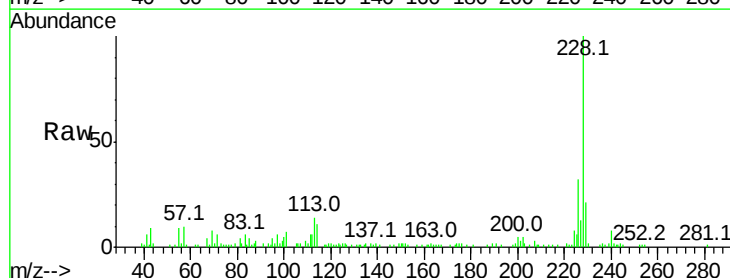
Tgt Ion:228 Resp: 48357

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

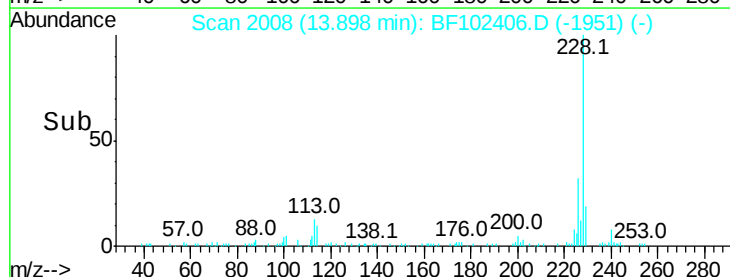
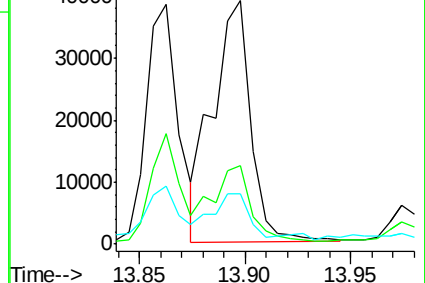
229 20.8 15.8 23.6

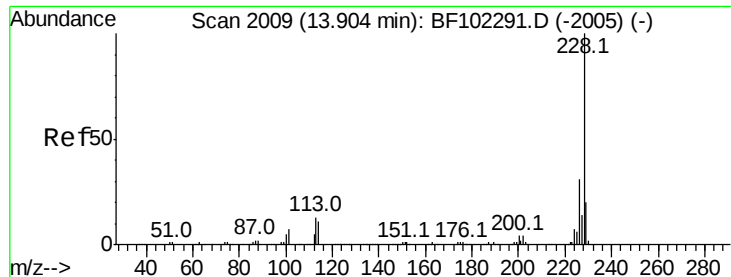


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.084 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampleId :

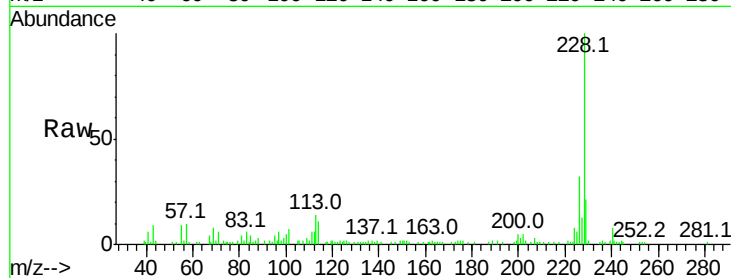
Tot Ion:228 Resp: 48357

Ion Ratio Lower Upper

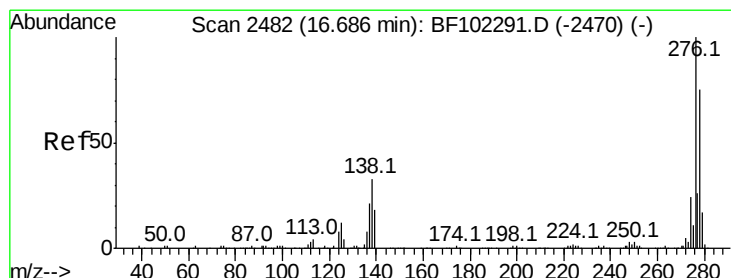
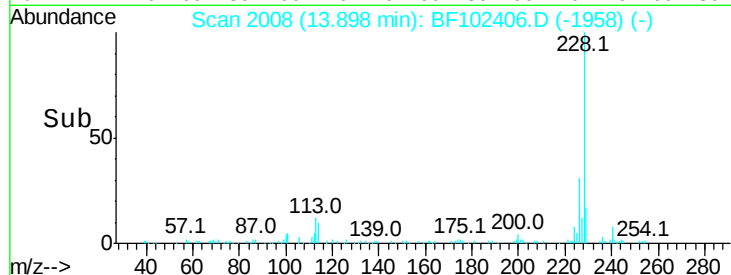
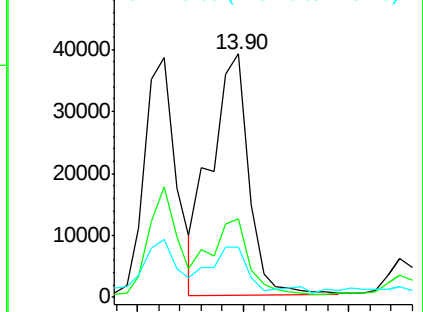
228 100

226 32.4 25.0 37.6

229 20.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.678 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

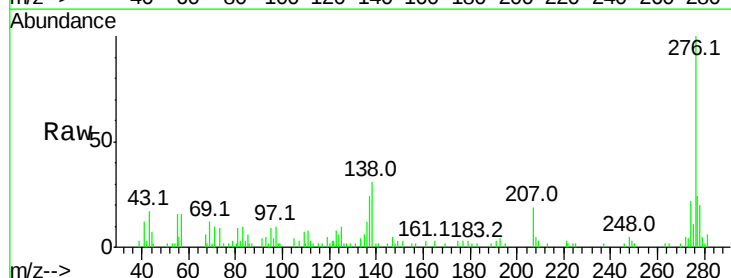
Tgt Ion:276 Resp: 34687

Ion Ratio Lower Upper

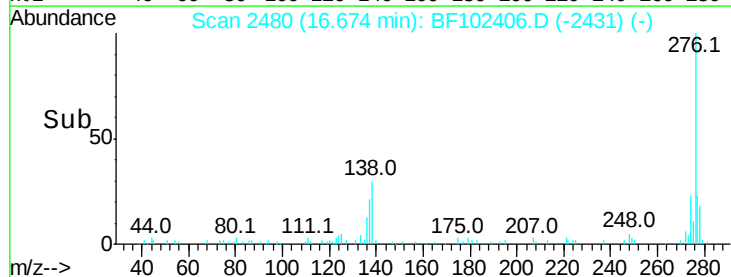
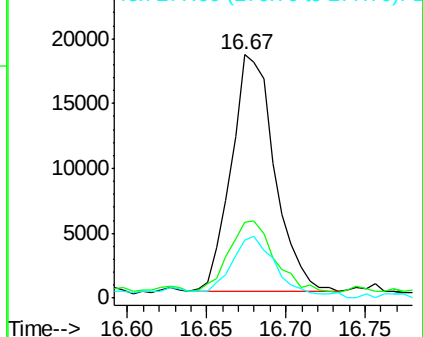
276 100

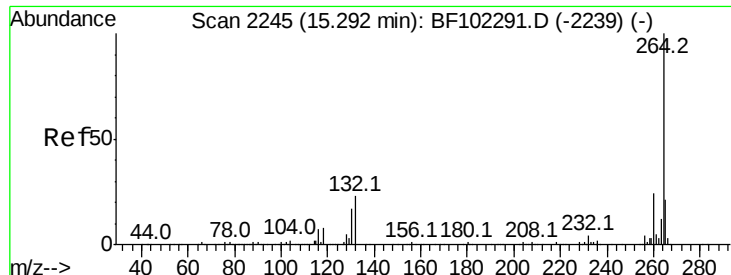
138 31.9 25.0 37.6

277 28.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampled :

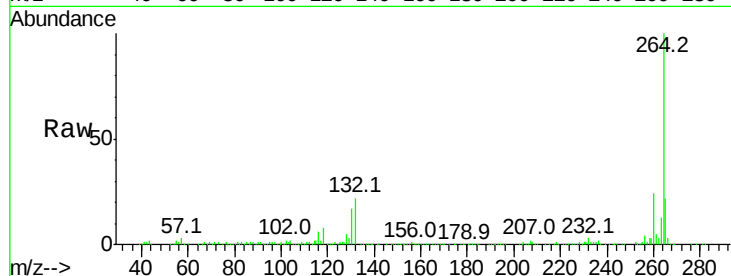
Tot Ion:264 Resp: 255191

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

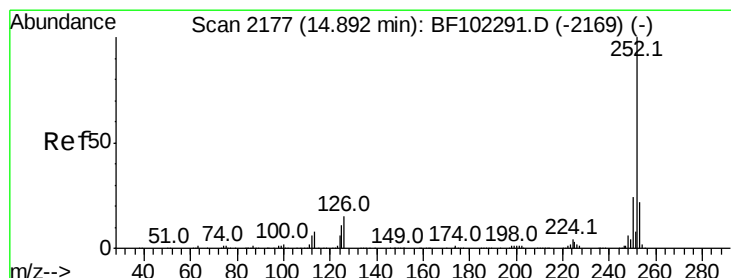
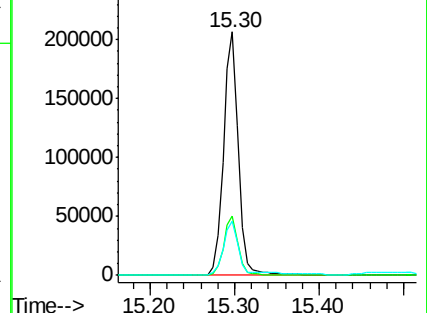
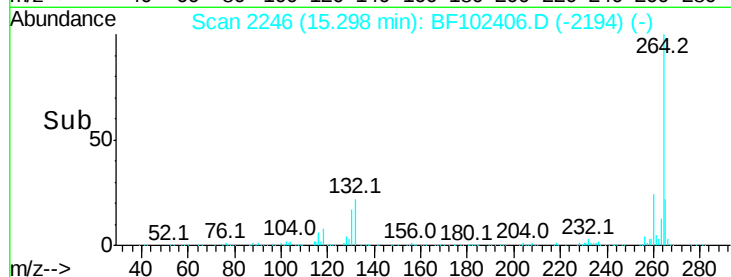
265 22.1 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 4.891 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

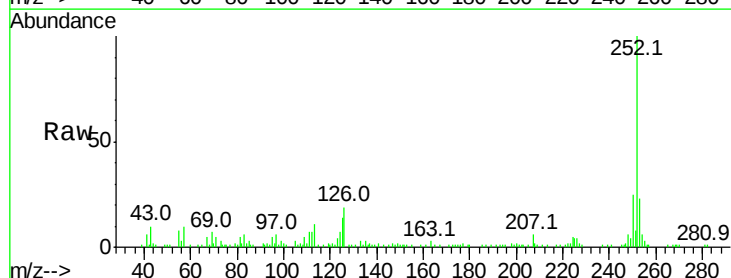
Tgt Ion:252 Resp: 80893

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

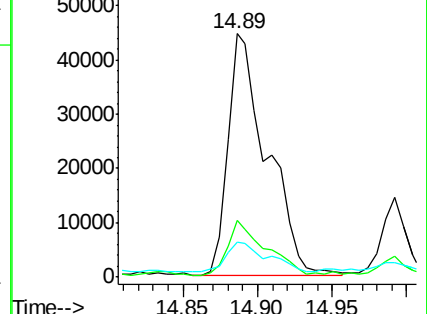
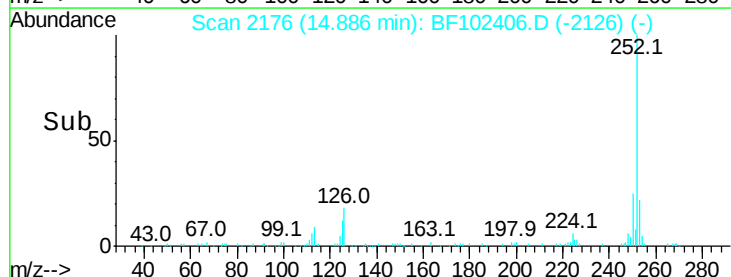
125 14.3 9.0 13.6#

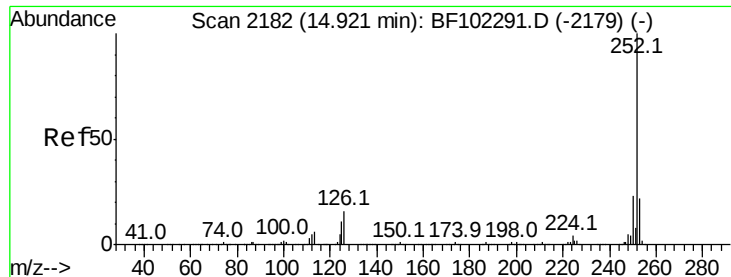


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

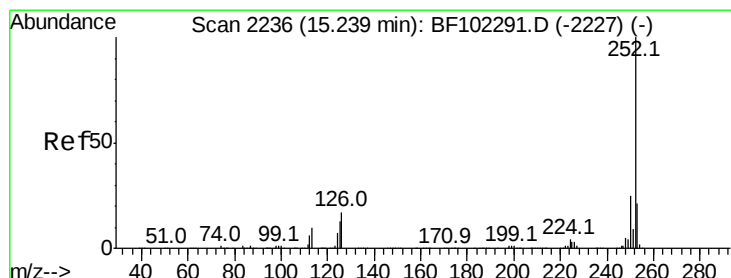
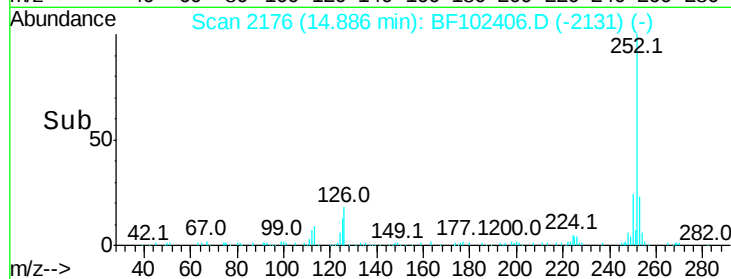
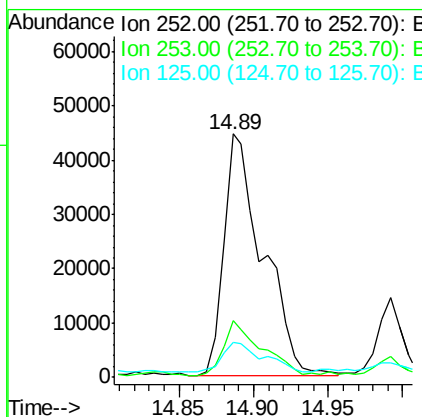
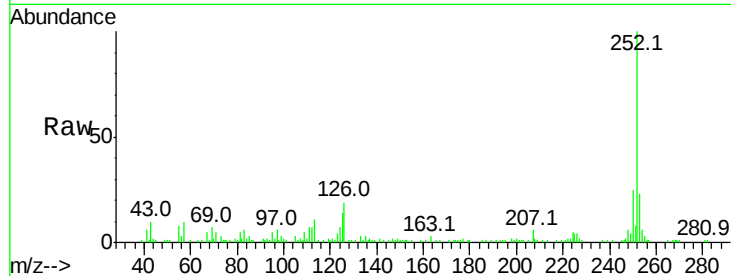




#88
Benzo(k)fluoranthene
Concen: 5.177 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.04 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

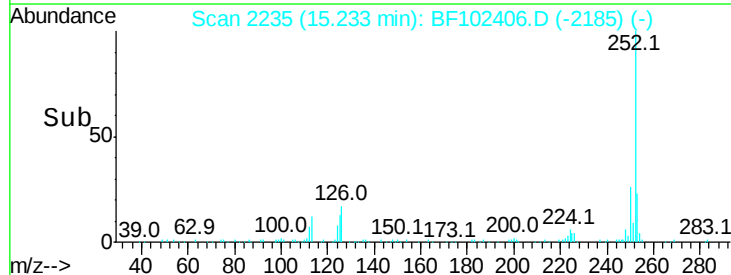
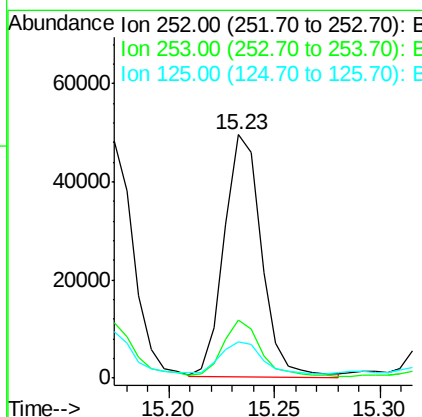
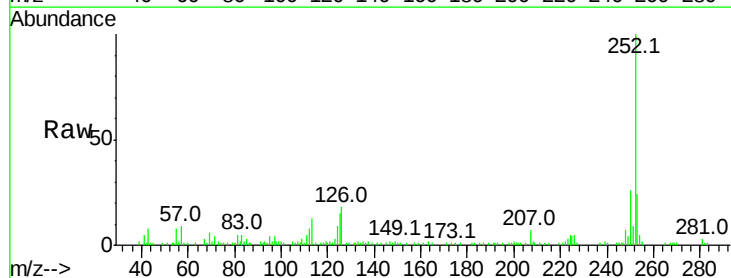
Instrument :
BNA_F
ClientSampleId :

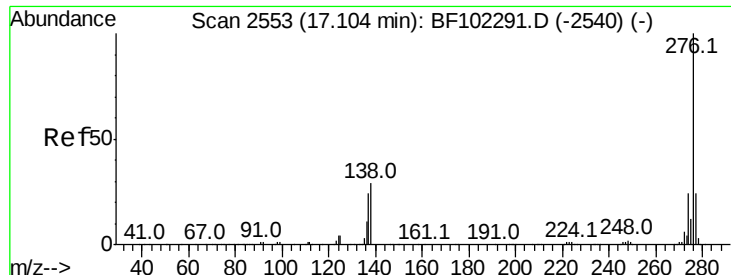
Tot Ion:252 Resp: 80893
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 14.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.076 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102406.D
Acq: 24 Jan 2018 22:47

Tgt Ion:252 Resp: 60807
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 15.1 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.981 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BF102406.D

Acq: 24 Jan 2018 22:47

Instrument :

BNA_F

ClientSampleId :

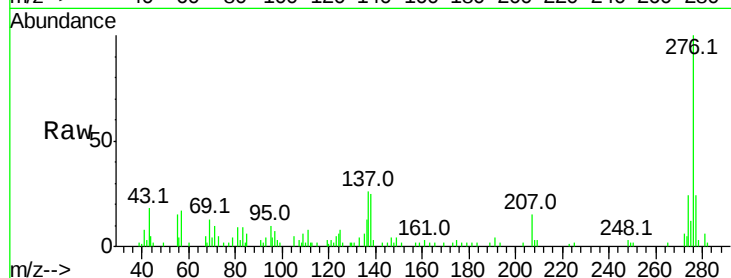
Tot Ion:276 Resp: 47500

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 25.5 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

