

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102472.D
 Acq On : 26 Jan 2018 16:54
 Operator : SJ/JU
 Sample : J1020-13 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 17:23:28 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	157713	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	625635	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	238563	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	332926	20.00	ng	0.00
75) Chrysene-d12	13.89	240	285969	20.00	ng	0.01
86) Perylene-d12	15.32	264	203046	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	241309	23.20	ng	0.00
7) Phenol-d6	6.36	99	292946	23.36	ng	0.00
23) Nitrobenzene-d5	7.29	82	125480	11.53	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	30990	13.11	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	280631	17.30	ng	0.00
78) Terphenyl-d14	12.83	244	188518	14.86	ng	0.00

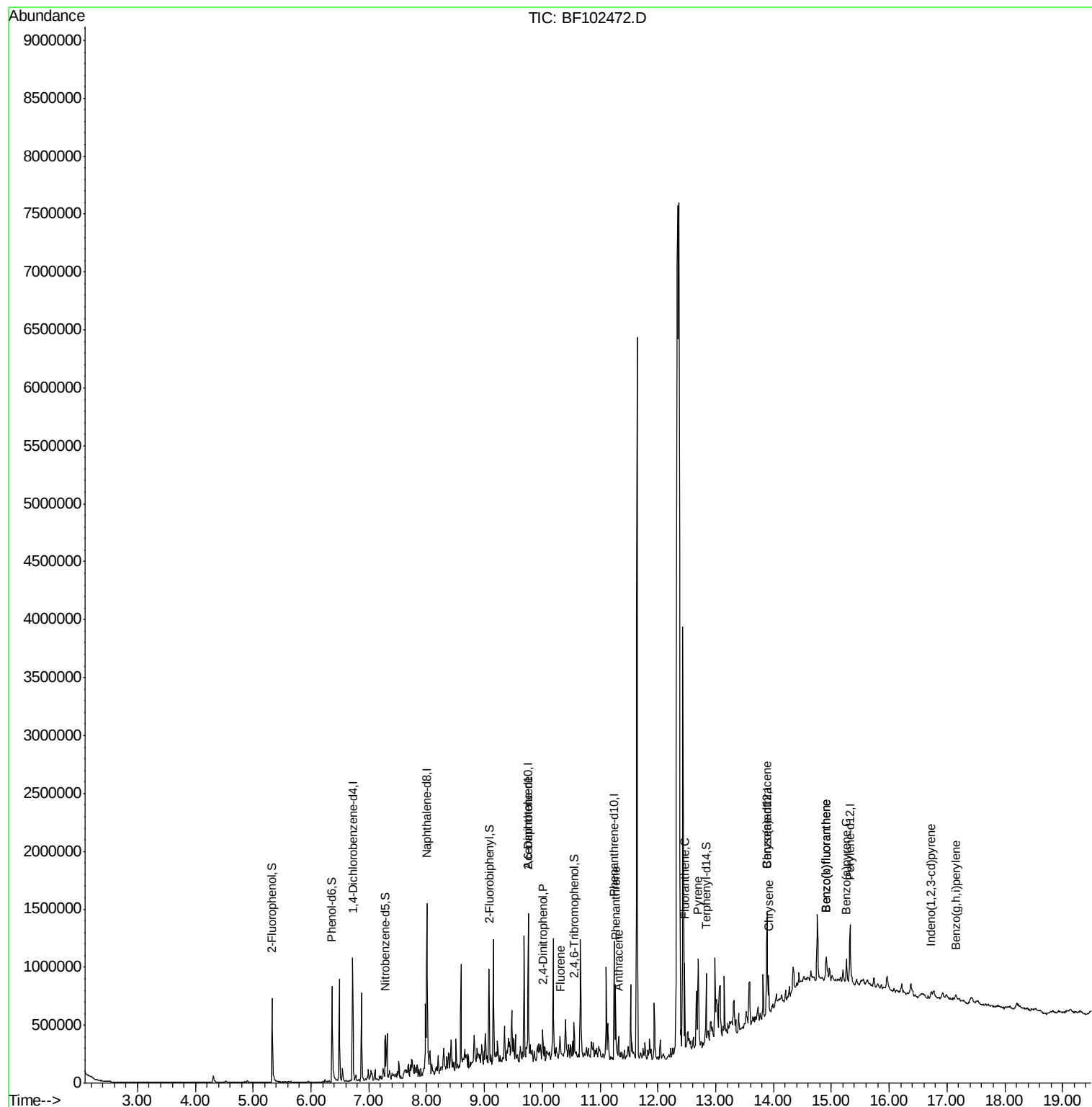
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.76	165	34816	8.189	ng	# 27
53) 2,4-Dinitrophenol	10.00	184	107	3.749	ng	# 1
57) Fluorene	10.30	166	36480	2.255	ng	96
70) Phenanthrene	11.27	178	213765	11.019	ng	98
71) Anthracene	11.32	178	62218	3.142	ng	98
74) Fluoranthene	12.46	202	274903	13.895	ng	99
77) Pyrene	12.69	202	279668	12.649	ng	99
80) Benzo(a)anthracene	13.88	228	129801	7.372	ng	92
82) Chrysene	13.92	228	123592	6.913	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	37061	2.510	ng	96
87) Benzo(b)fluoranthene	14.91	252	149629	11.370	ng	# 86
88) Benzo(k)fluoranthene	14.91	252	149629	12.034	ng	# 89
89) Benzo(a)pyrene	15.26	252	81331	6.852	ng	# 83
91) Benzo(a,h,i)perylene	17.16	276	36578	3.853	ng	# 79

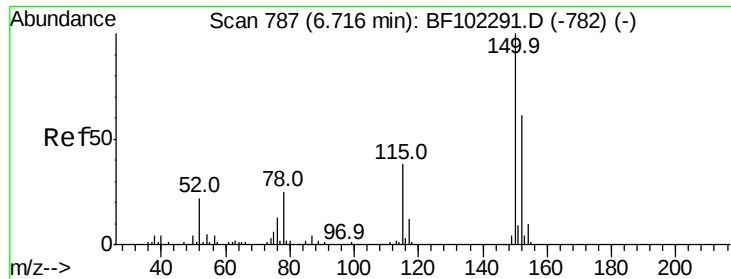
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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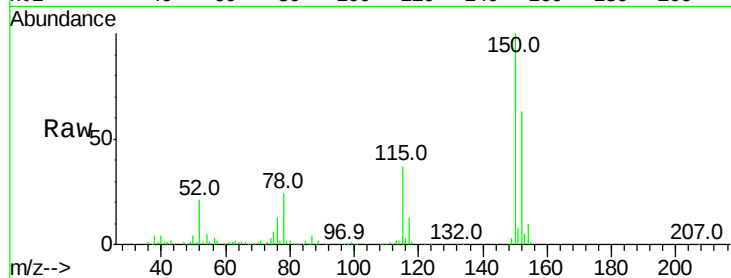


#1

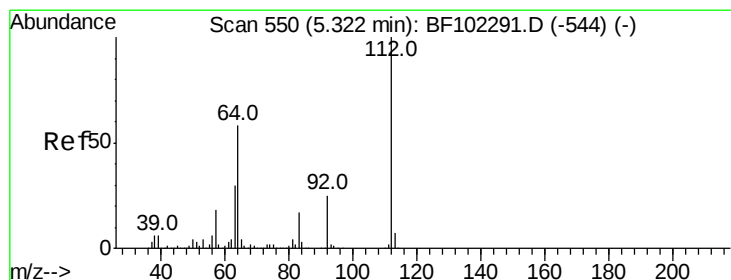
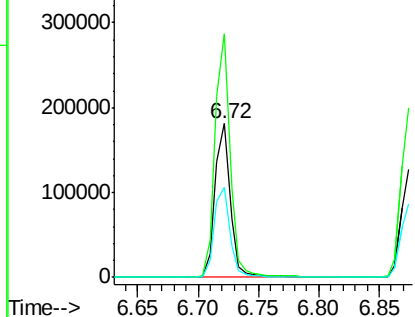
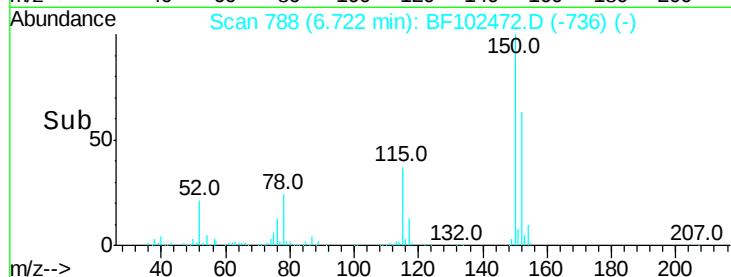
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157713
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 58.5 50.1 75.1



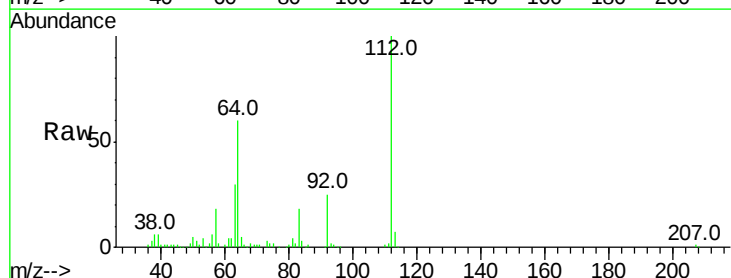
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



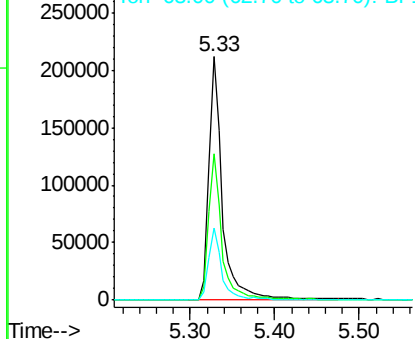
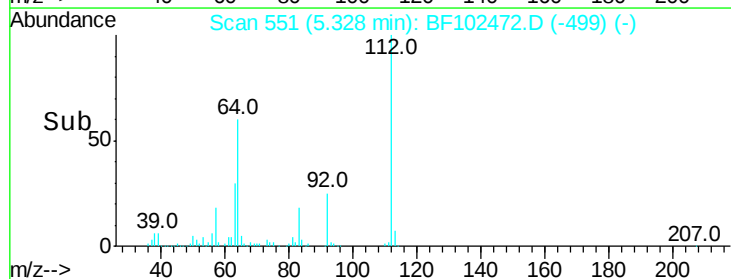
#5

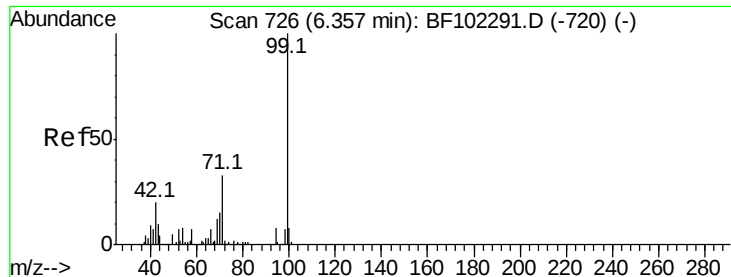
2-Fluorophenol
Concen: 23.200 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

Tgt Ion:112 Resp: 241309
Ion Ratio Lower Upper
112 100
64 60.0 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: 23.361 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

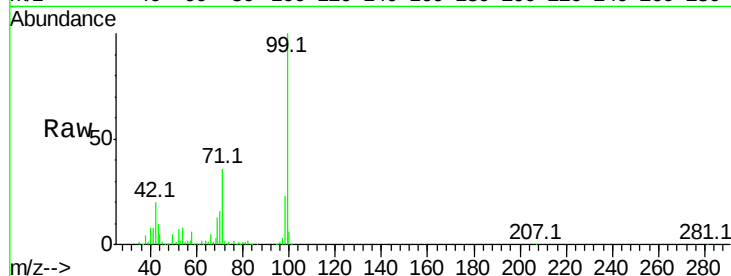
Tot Ion: 99 Resp: 292946

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

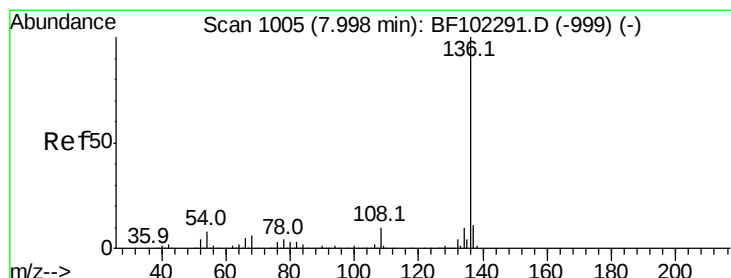
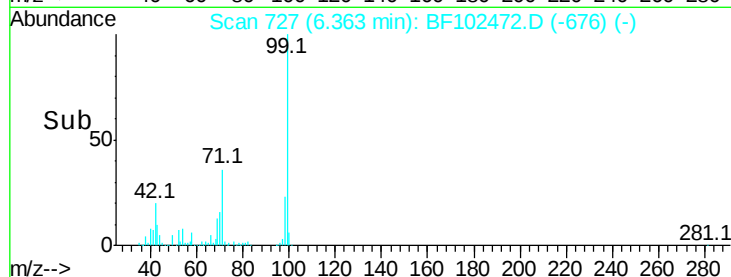
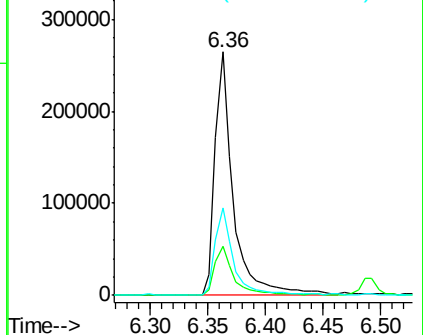
71 36.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Tgt Ion: 136 Resp: 625635

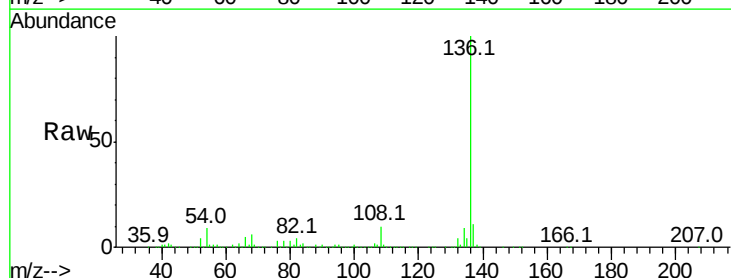
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4

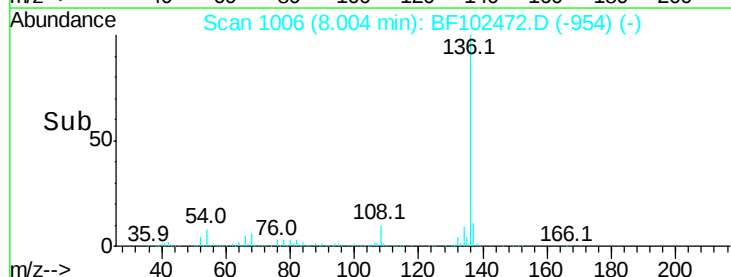
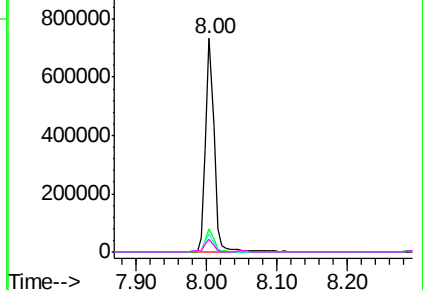


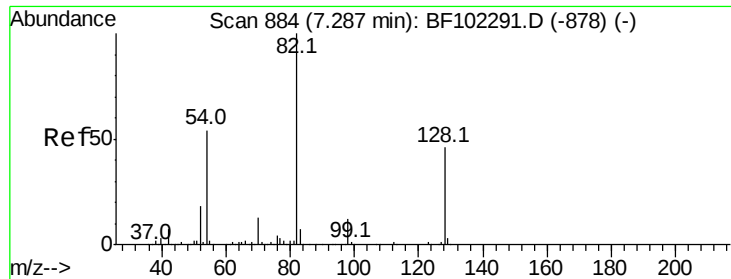
Abundance Ion 136.00 (135.70 to 136.70): E

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

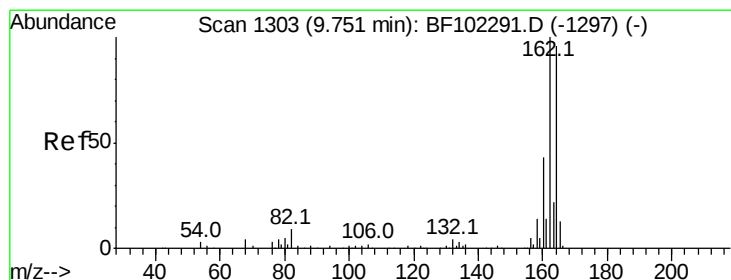
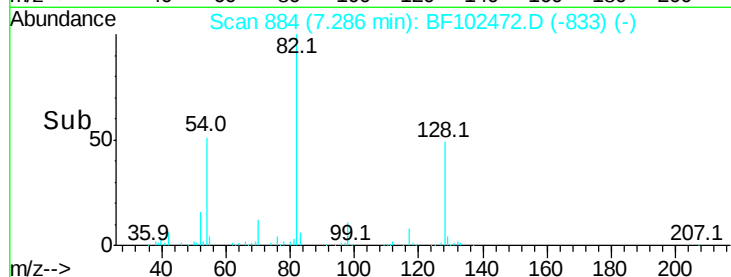
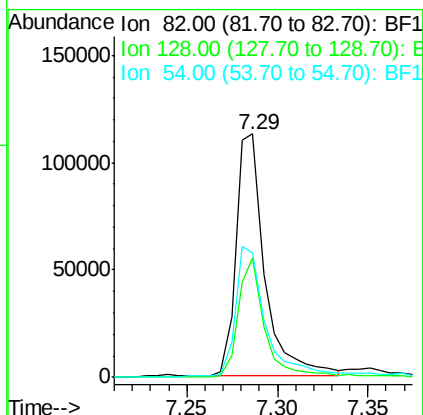
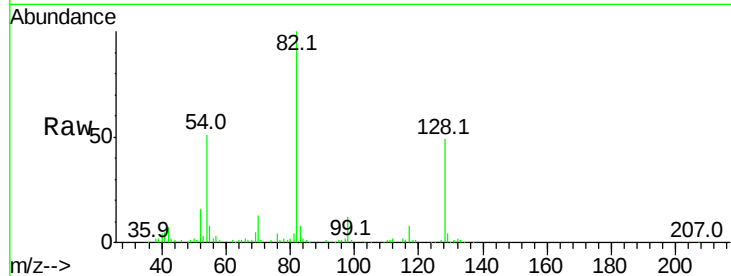




#23
 Nitrobenzene-d5
 Concen: 11.526 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

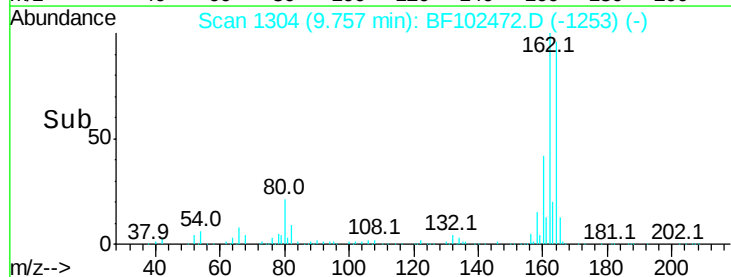
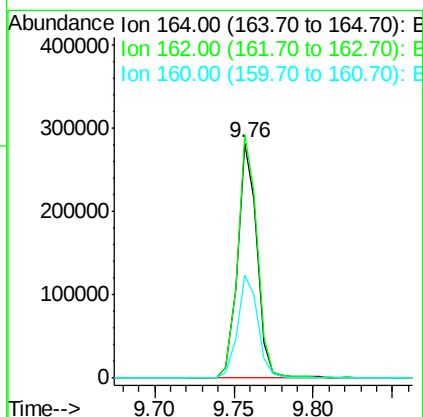
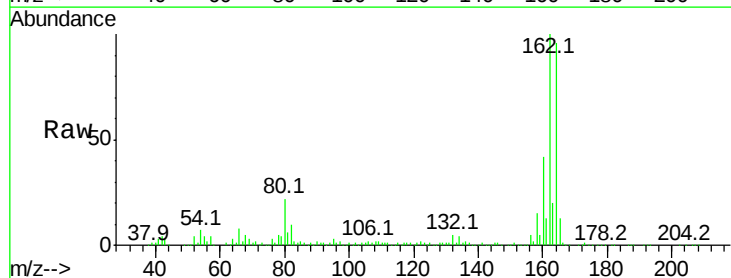
Instrument :
 BNA_F
 ClientSampleId :

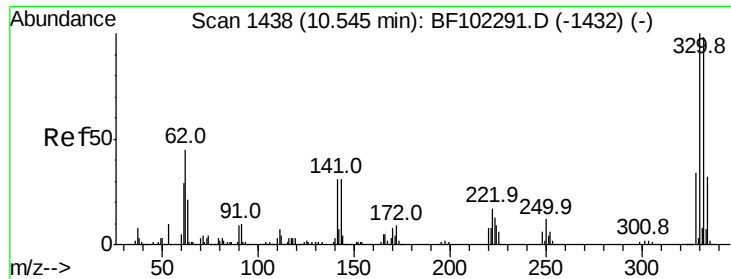
Tot Ion: 82 Resp: 125480
 Ion Ratio Lower Upper
 82 100
 128 49.1 36.1 54.1
 54 51.1 41.4 62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

Tgt Ion:164 Resp: 238563
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 44.0 38.3 57.5

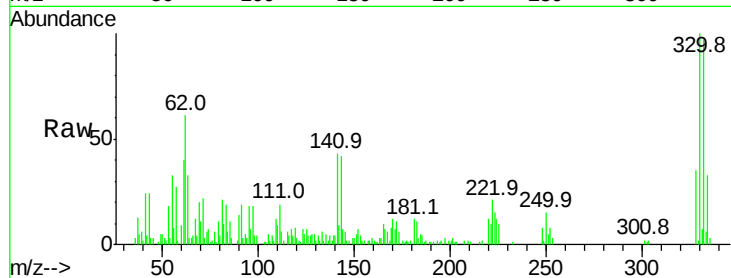




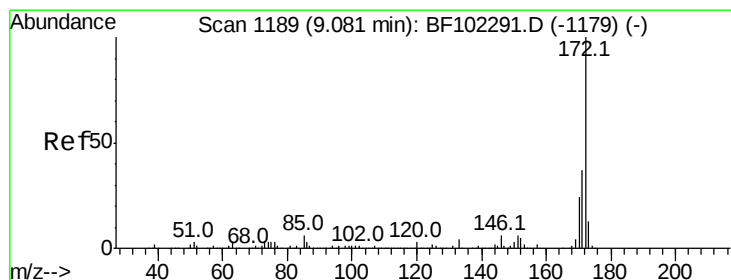
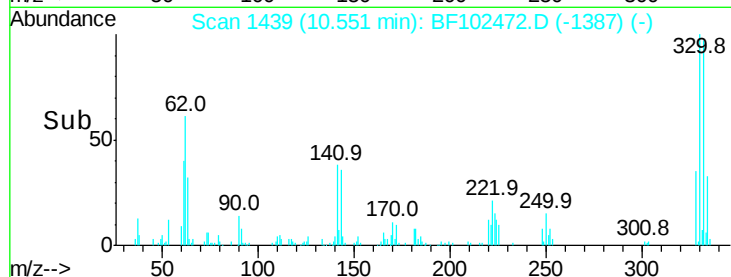
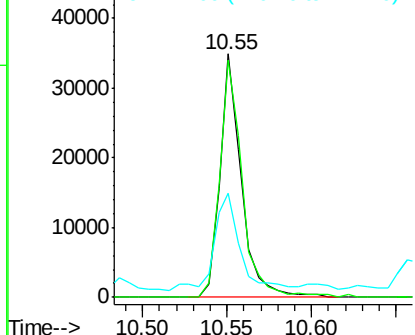
#41
 2,4,6-Tribromophenol
 Concen: 13.110 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 30990
 Ion Ratio Lower Upper
 330 100
 332 102.7 77.0 115.6
 141 47.6 29.9 44.9#

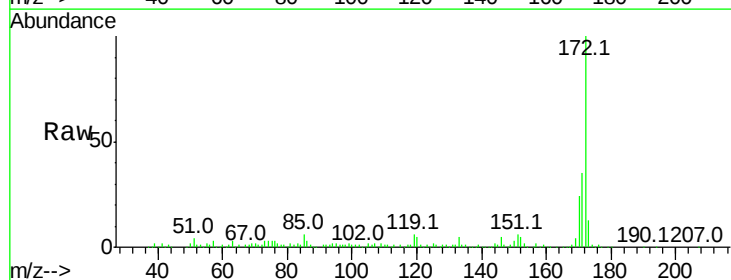


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

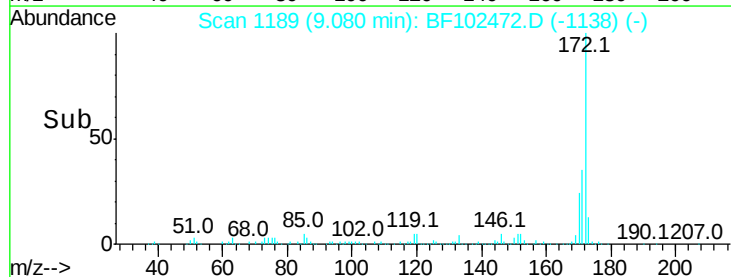
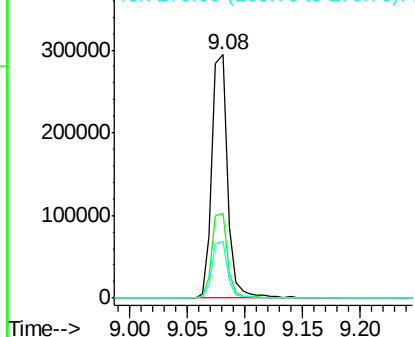


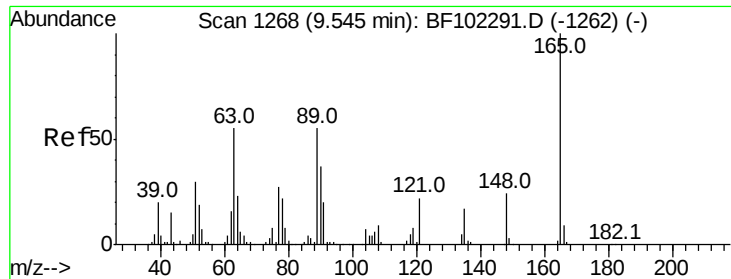
#44
 2-Fluorobiphenyl
 Concen: 17.296 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

Tgt Ion:172 Resp: 280631
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.5 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

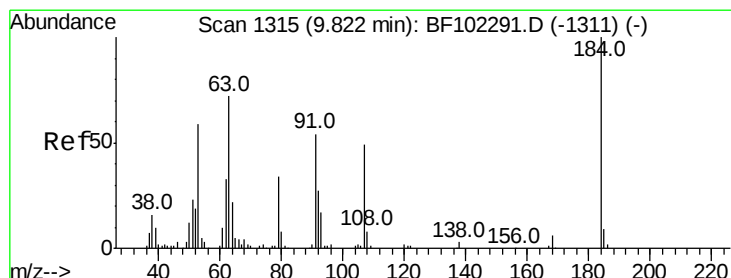
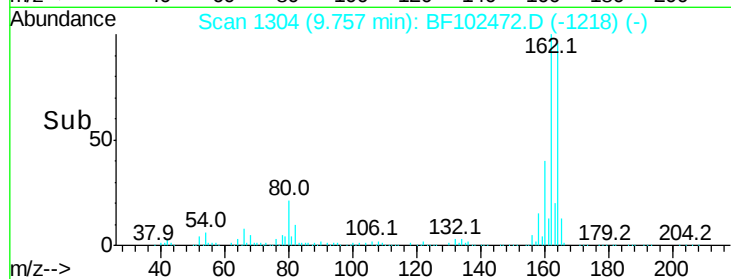
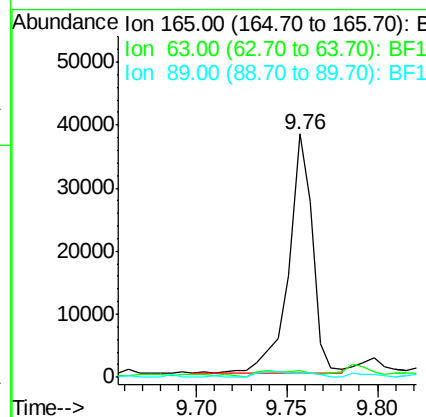
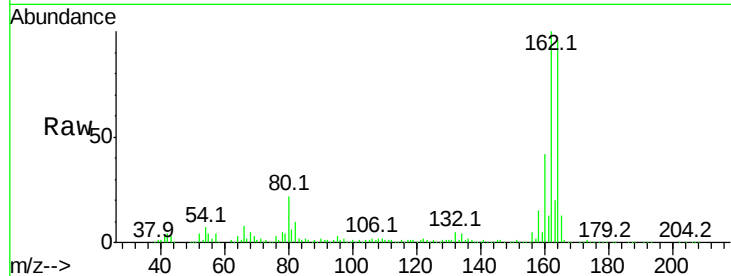




#50
 2,6-Dinitrotoluene
 Concen: 8.189 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

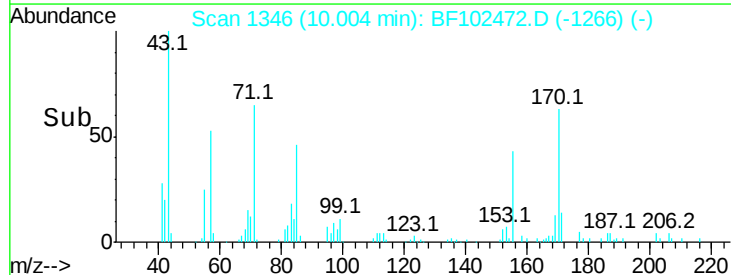
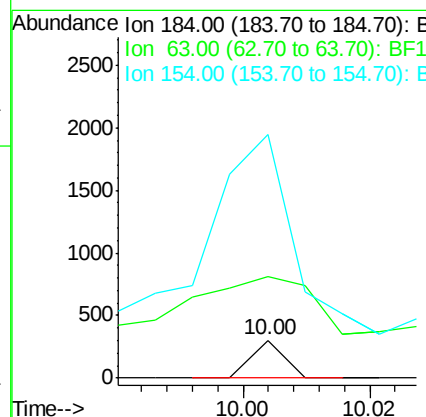
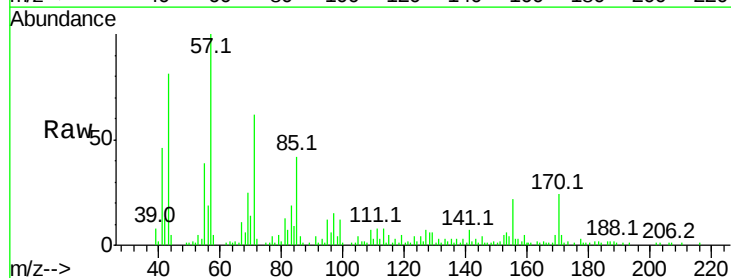
Instrument :
 BNA_F
 ClientSampled :

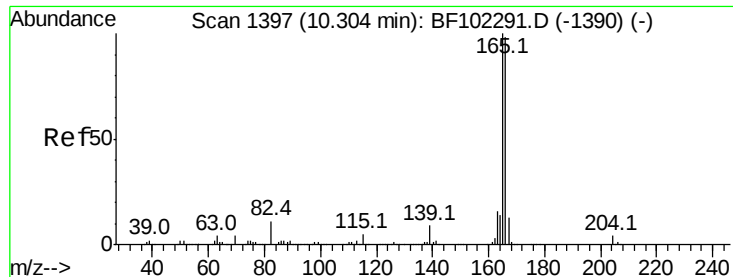
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	44.7	67.1#
89	2.0	44.0	66.0#



#53
 2,4-Dinitrophenol
 Concen: 3.749 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.17 min
 Lab File: BF102472.D
 Acq: 26 Jan 2018 16:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	266.7	54.2	81.2#
154	641.9	184.0	276.0#





#57

Fluorene

Concen: 2.255 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

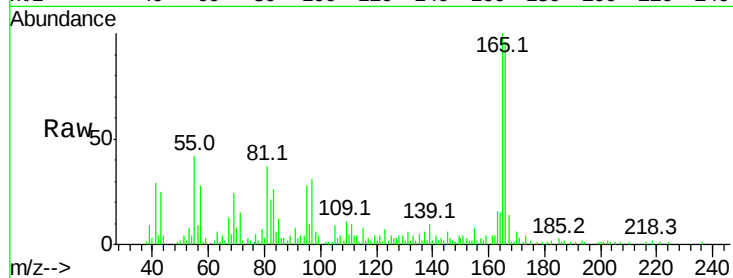
Tot Ion:166 Resp: 36480

Ion Ratio Lower Upper

166 100

165 104.1 79.8 119.8

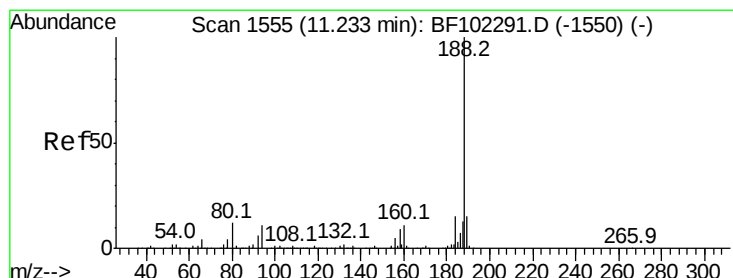
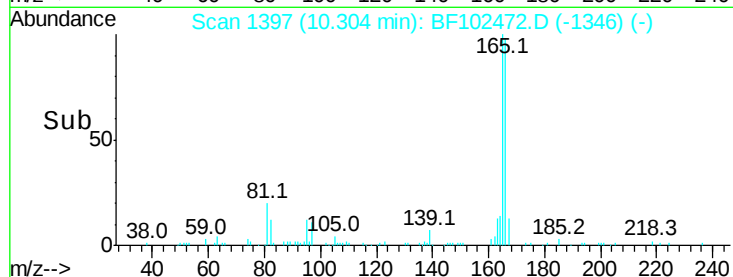
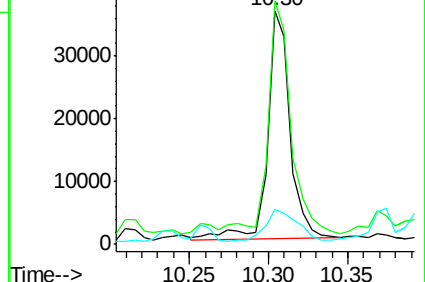
167 14.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

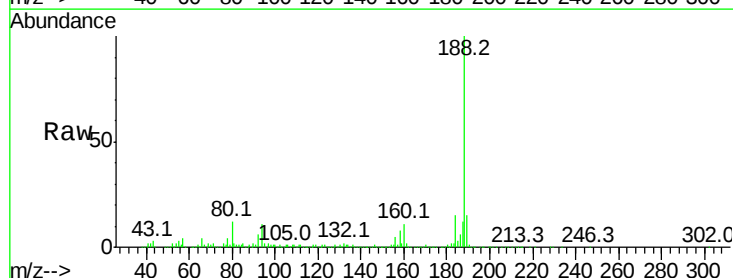
Tgt Ion:188 Resp: 332926

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

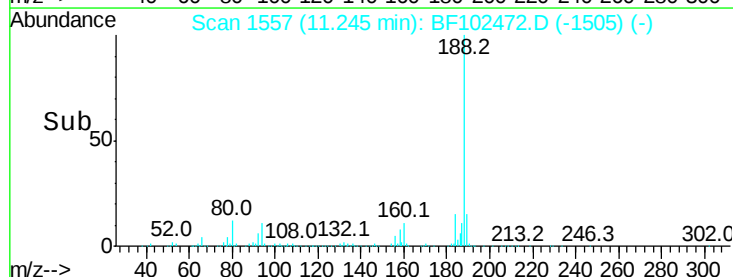
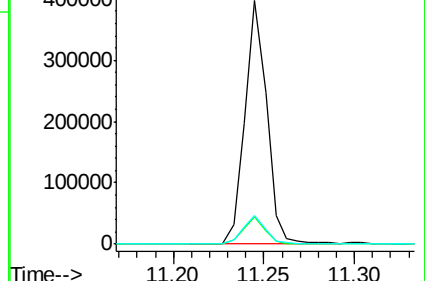
80 11.9 9.2 13.8

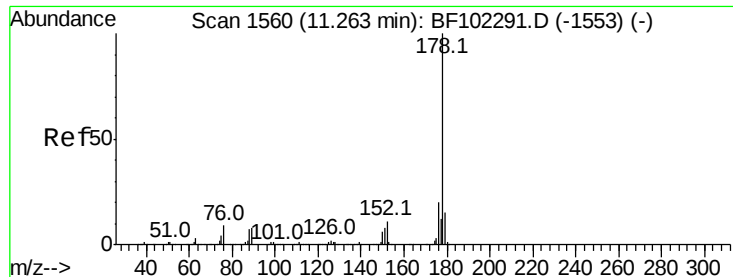


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

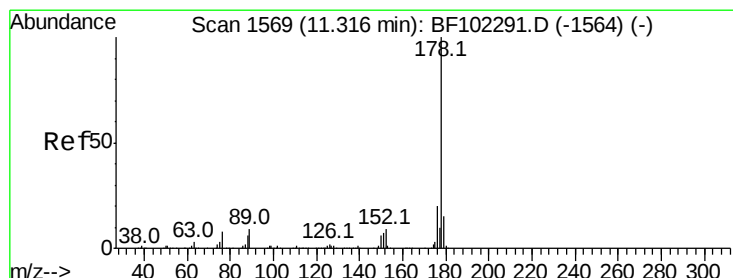
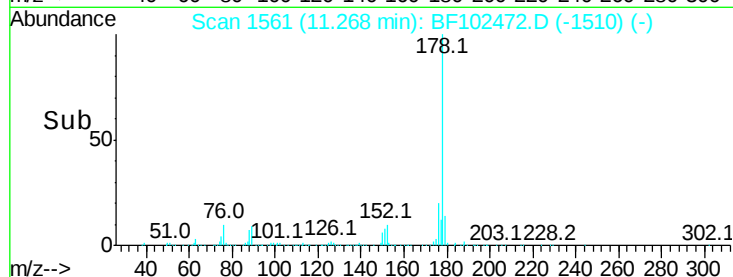
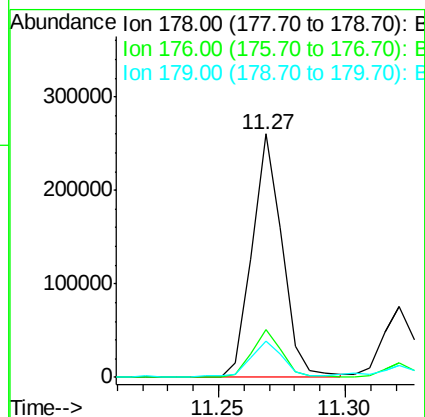
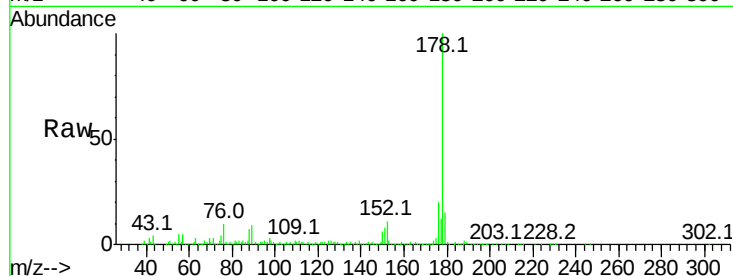




#70
Phenanthrene
Concen: 11.019 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

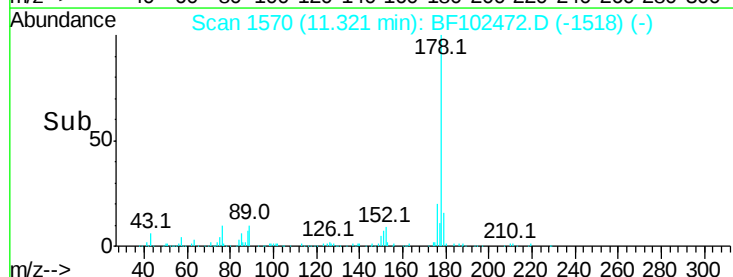
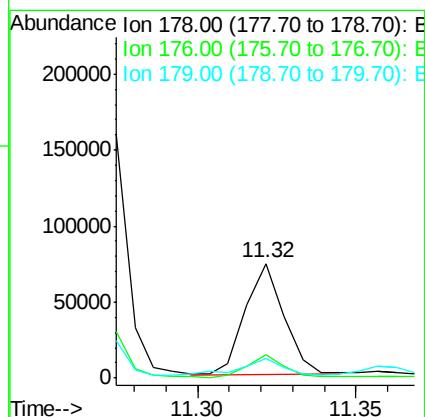
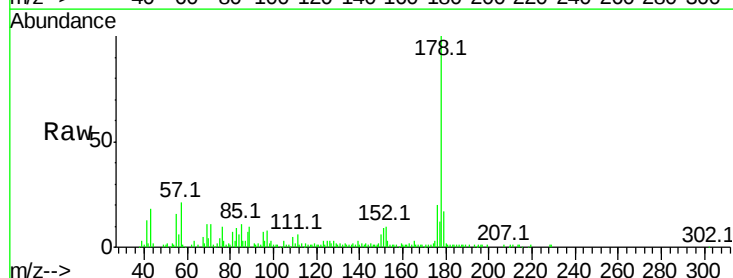
Instrument :
BNA_F
ClientSampleId :

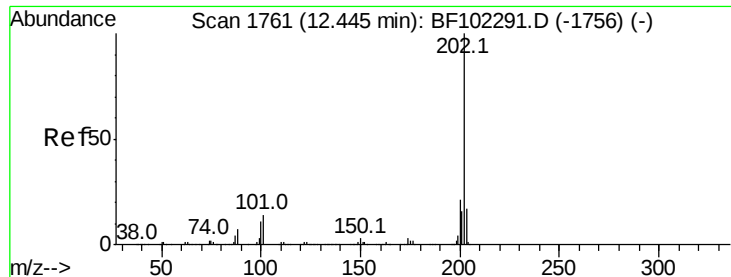
Tot Ion:178 Resp: 213765
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 3.142 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

Tgt Ion:178 Resp: 62218
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 17.1 12.6 19.0





#74

Fluoranthene

Concen: 13.895 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

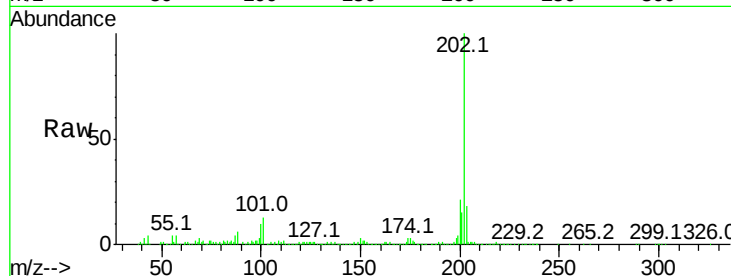
Tot Ion:202 Resp: 274903

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

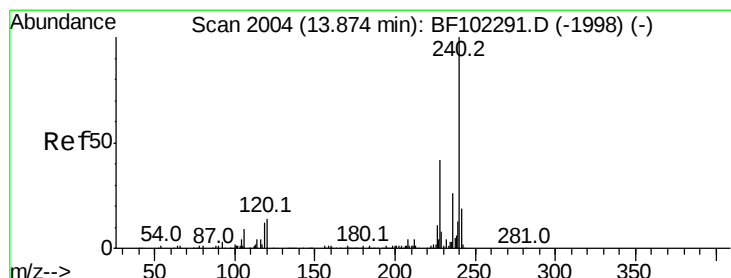
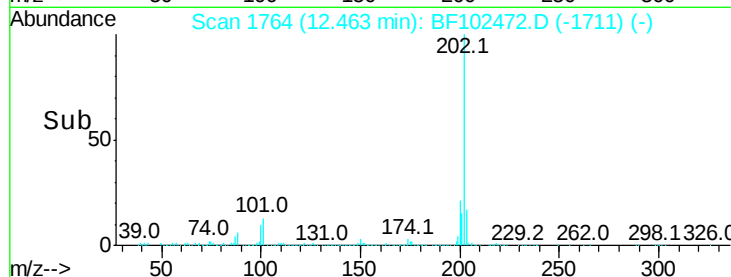
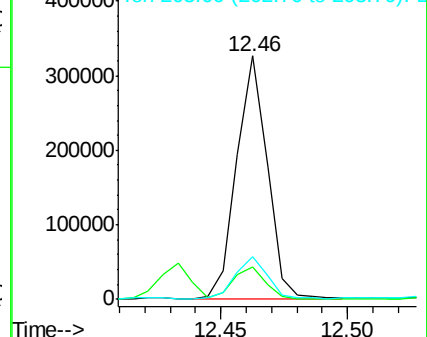
203 17.6 0.0 38.1



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# 2007

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

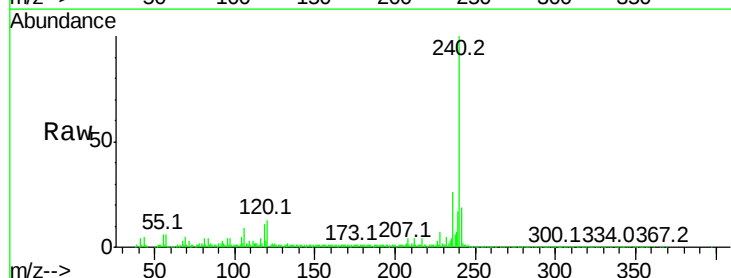
Tgt Ion:240 Resp: 285969

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

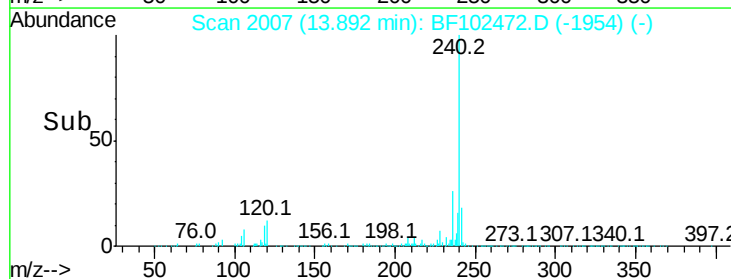
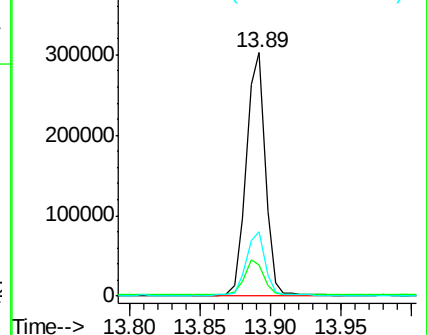
236 26.4 20.7 31.1

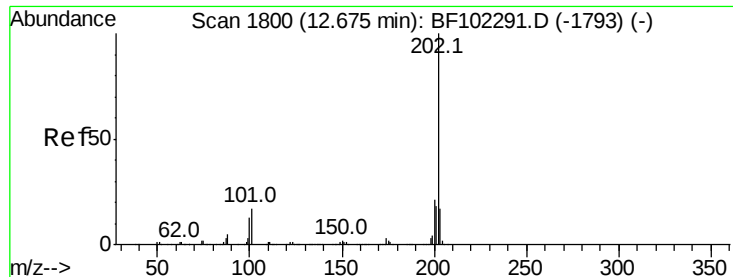


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.649 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

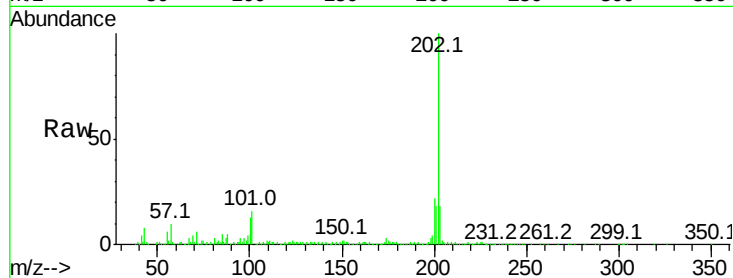
Tot Ion:202 Resp: 279668

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

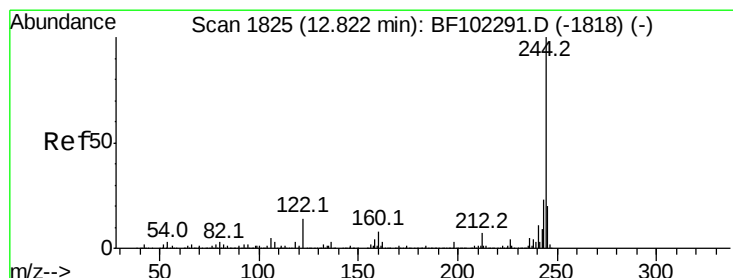
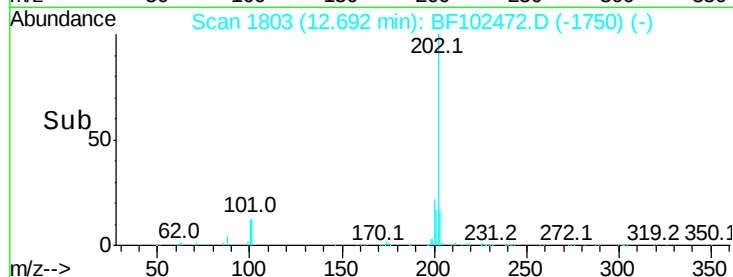
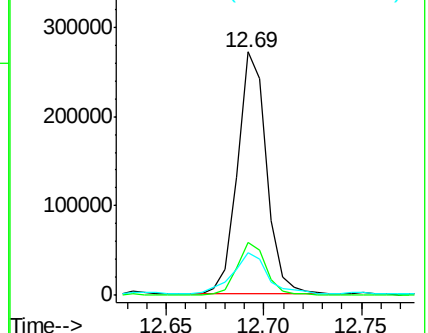
203 17.5 14.3 21.5



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: 14.861 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

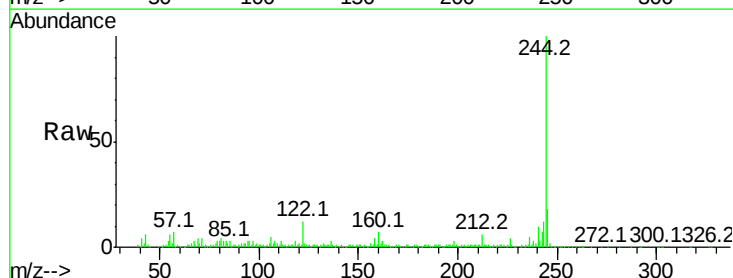
Tgt Ion:244 Resp: 188518

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

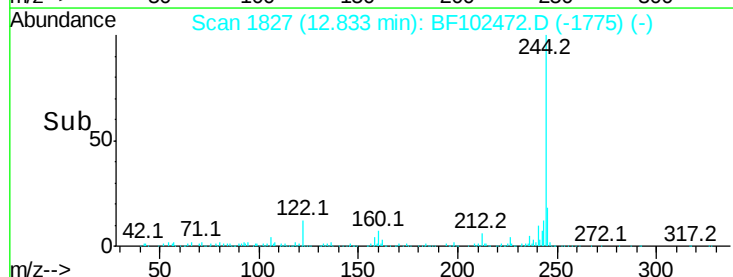
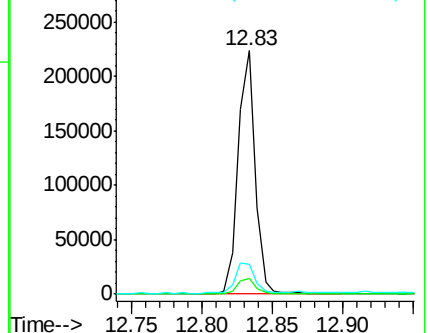
122 12.3 11.0 16.4

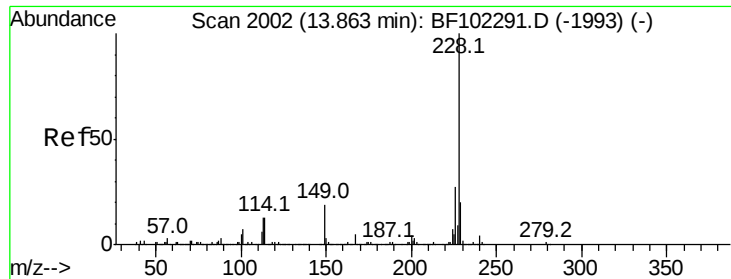


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

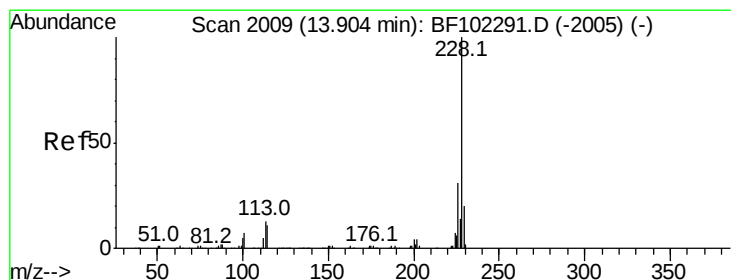
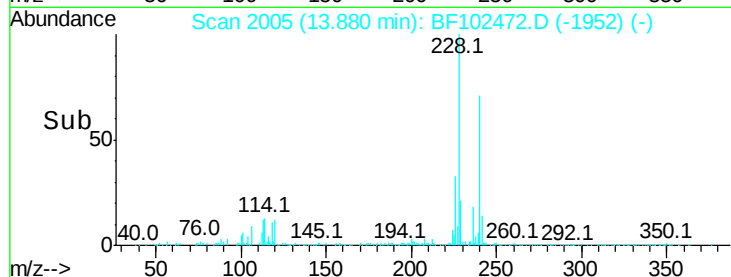
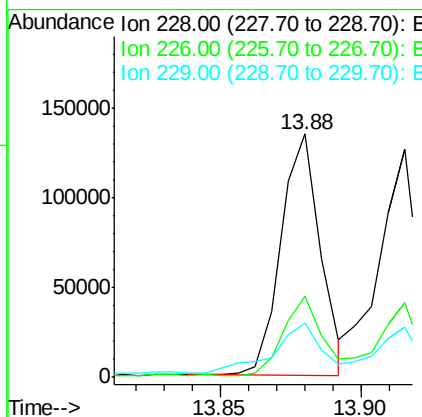
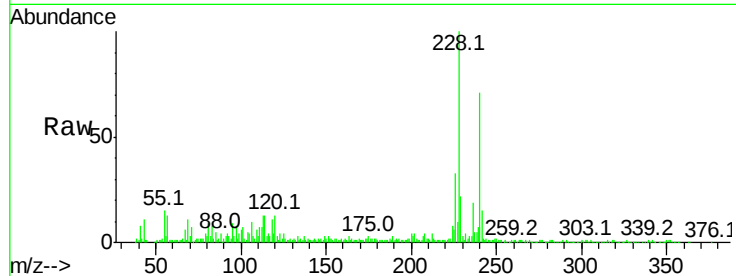




#80
Benzo(a)anthracene
Concen: 7.372 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

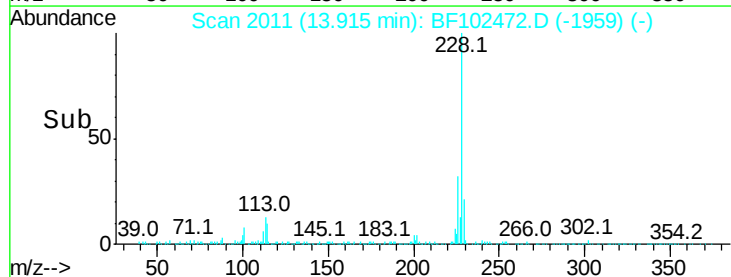
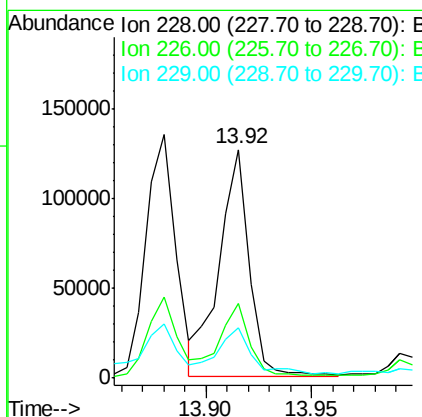
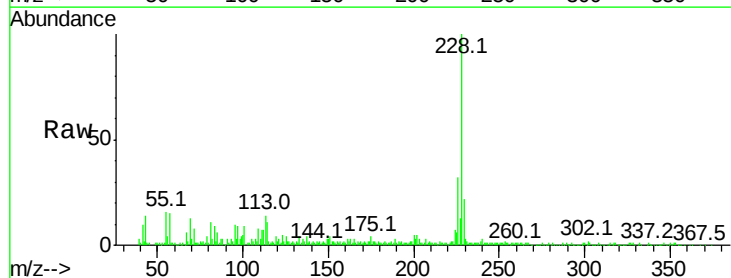
Instrument :
BNA_F
ClientSampleId :

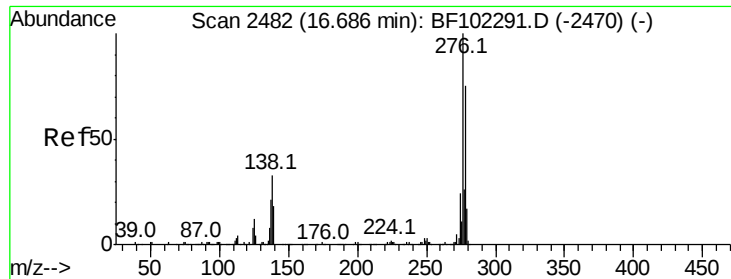
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	22.2	15.8	23.6



#82
Chrysene
Concen: 6.913 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	21.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.510 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

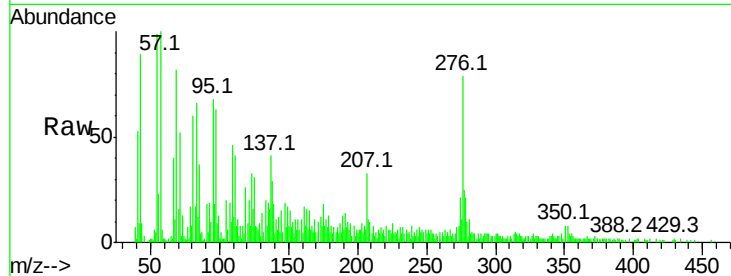
Tot Ion:276 Resp: 37061

Ion Ratio Lower Upper

276 100

138 28.4 25.0 37.6

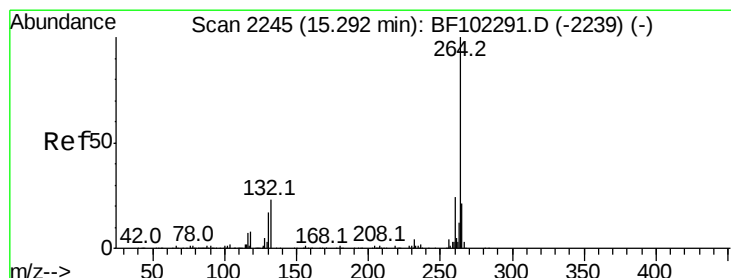
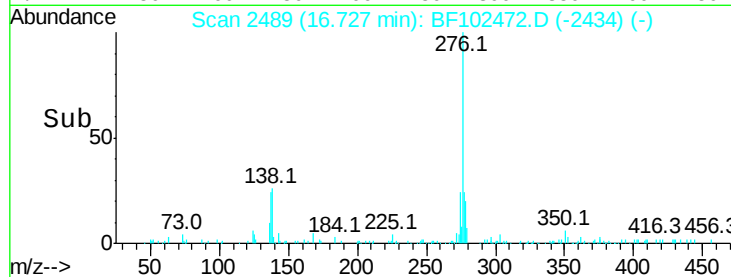
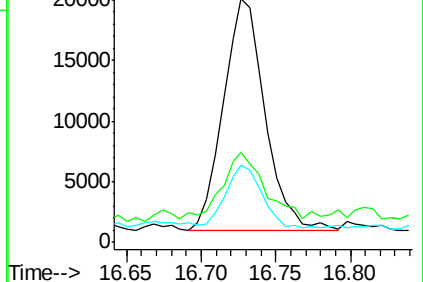
277 23.5 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. 0.02 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

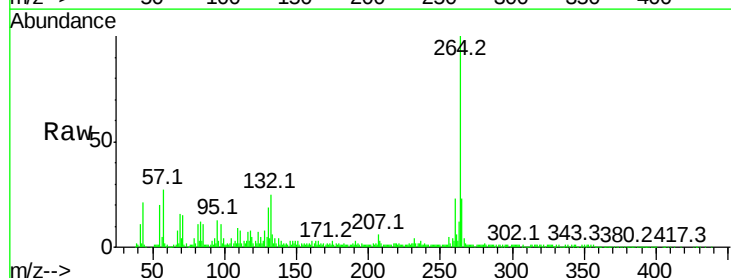
Tgt Ion:264 Resp: 203046

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

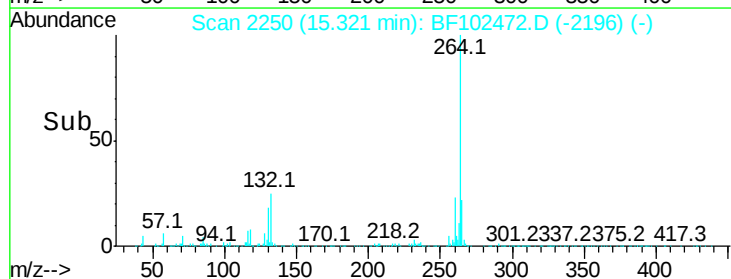
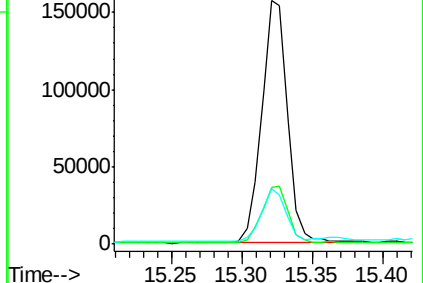
265 22.9 17.5 26.3

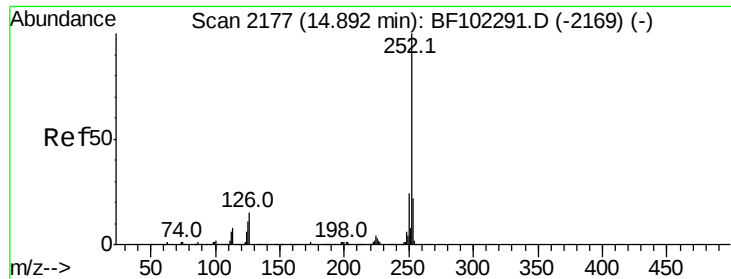


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

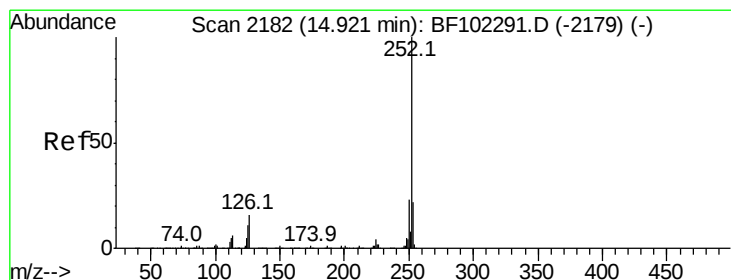
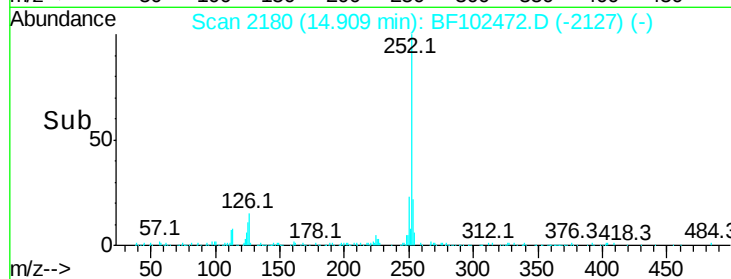
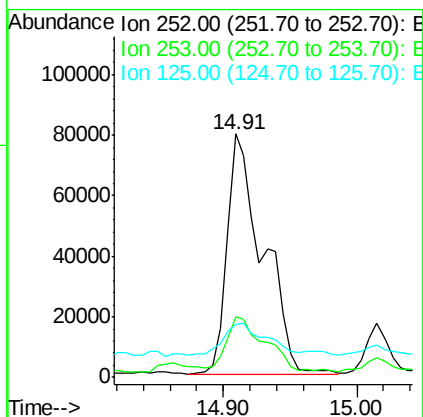
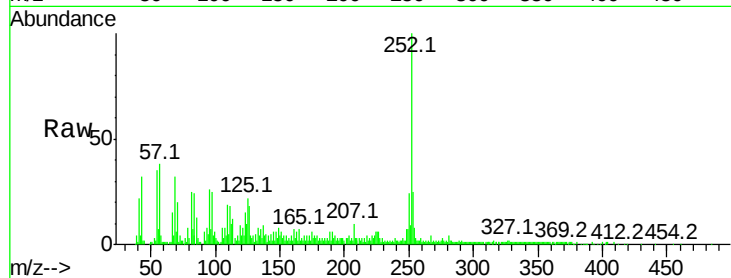




#87
Benzo(b)fluoranthene
Concen: 11.370 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

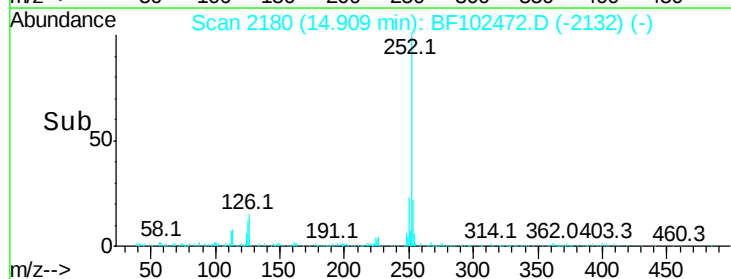
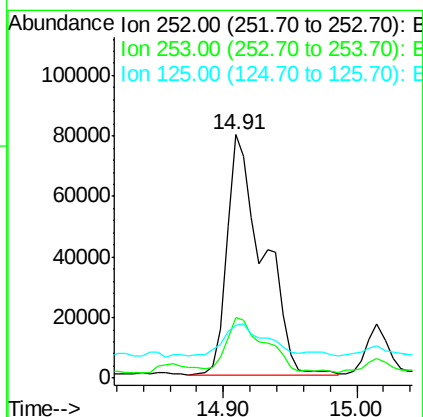
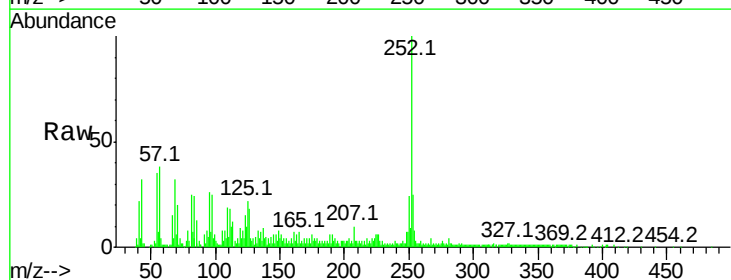
Instrument :
BNA_F
ClientSampleId :

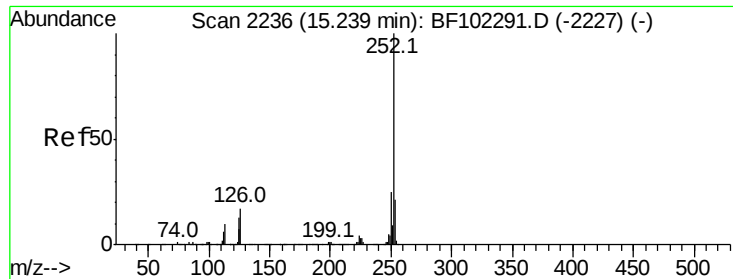
Tot Ion:252 Resp: 149629
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 21.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 12.034 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BF102472.D
Acq: 26 Jan 2018 16:54

Tgt Ion:252 Resp: 149629
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 21.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 6.852 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Instrument :

BNA_F

ClientSampleId :

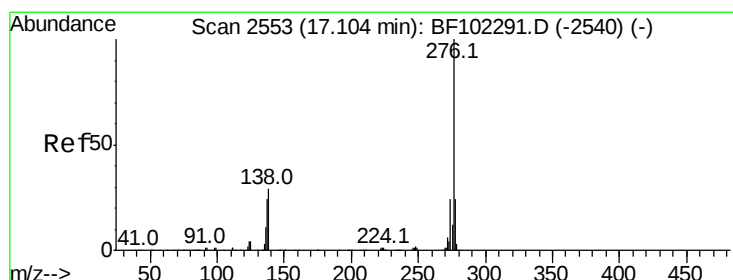
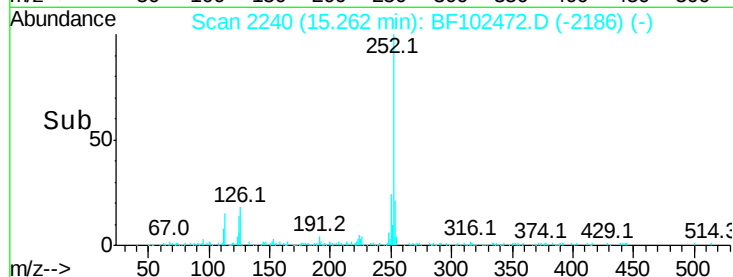
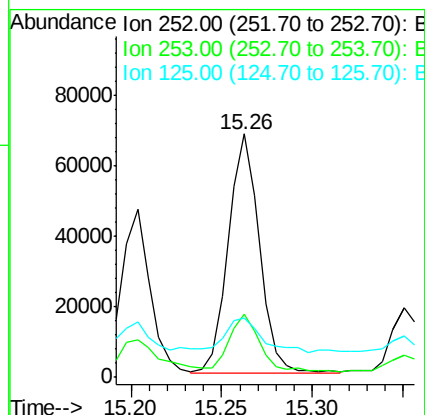
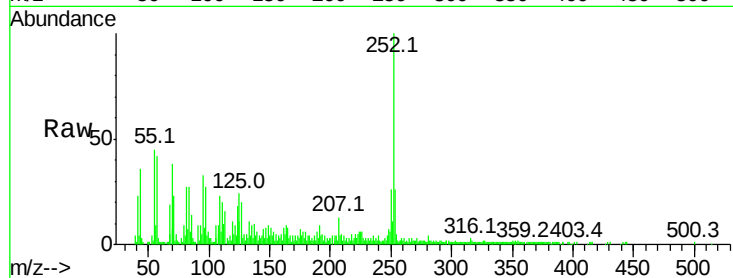
Tot Ion:252 Resp: 81331

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 24.5 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 3.853 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BF102472.D

Acq: 26 Jan 2018 16:54

Tgt Ion:276 Resp: 36578

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

138 42.1 21.8 32.8#

