

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102470.D
 Acq On : 26 Jan 2018 16:00
 Operator : SJ/JU
 Sample : J1020-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 17:10:45 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

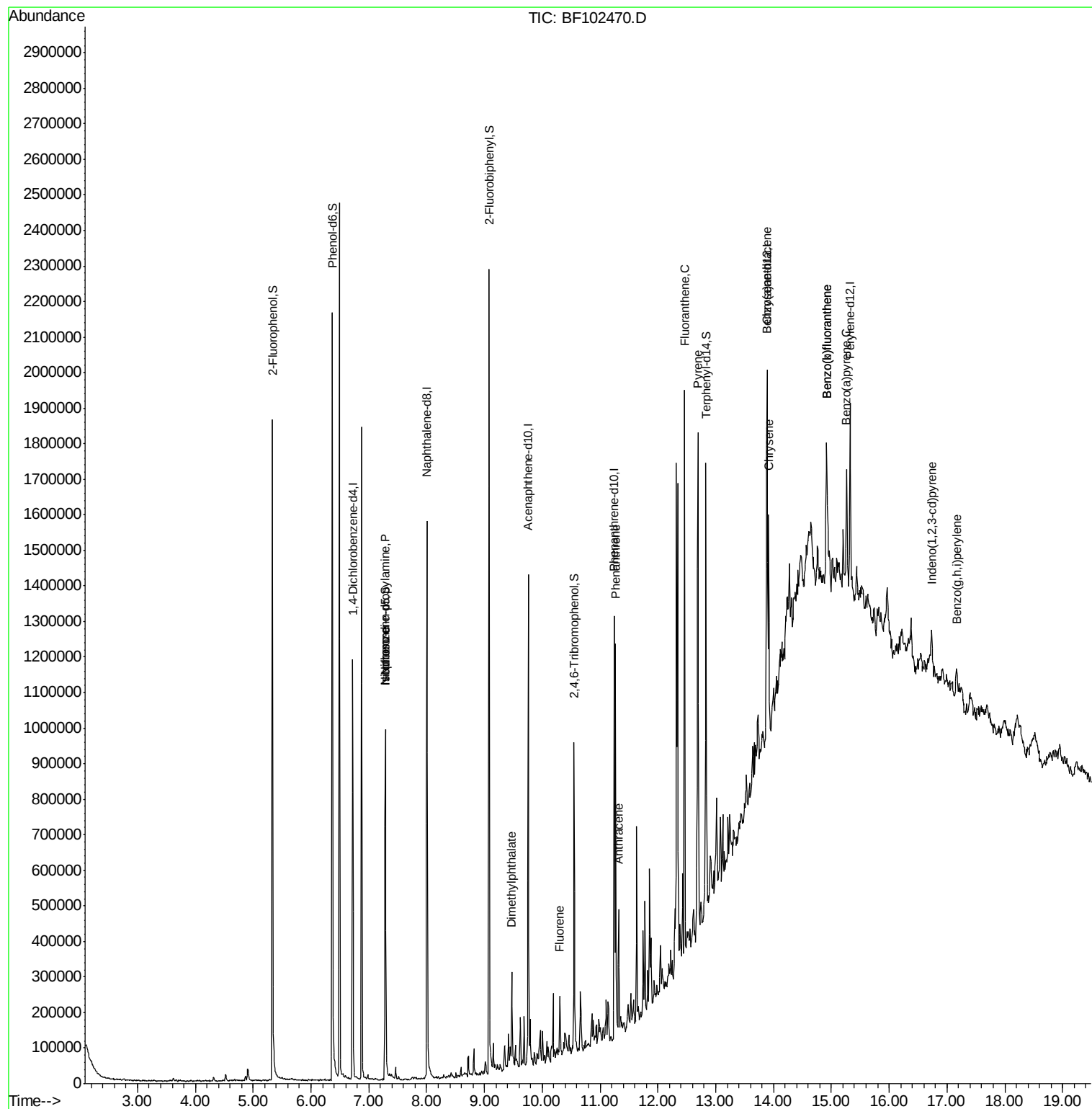
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	164464	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	678469	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	279464	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	408596	20.00	ng	0.00
75) Chrysene-d12	13.89	240	294666	20.00	ng	0.01
86) Perylene-d12	15.33	264	225598	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	592606	54.63	ng	0.01
7) Phenol-d6	6.37	99	709006	54.22	ng	0.00
23) Nitrobenzene-d5	7.29	82	318454	26.97	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	88135	31.83	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	685356	36.06	ng	0.00
78) Terphenyl-d14	12.83	244	454359	34.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	43647	5.454	ng	# 78
25) Isophorone	7.29	82	318449	15.130	ng	# 64
49) Dimethylphthalate	9.47	163	92012	3.983	ng	99
57) Fluorene	10.30	166	46814	2.470	ng	# 98
70) Phenanthrene	11.27	178	391291	16.434	ng	99
71) Anthracene	11.32	178	133654	5.500	ng	98
74) Fluoranthene	12.46	202	600084	24.715	ng	98
77) Pyrene	12.69	202	566893	24.883	ng	100
80) Benzo(a)anthracene	13.88	228	272568	15.024	ng	96
82) Chrysene	13.92	228	222682	12.087	ng	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	69700	4.581	ng	99
87) Benzo(b)fluoranthene	14.92	252	288150	19.706	ng	# 87
88) Benzo(k)fluoranthene	14.92	252	288150	20.858	ng	# 90
89) Benzo(a)pyrene	15.27	252	144891	10.987	ng	# 87
91) Benzo(a,h,i)perylene	17.16	276	64446	6.110	ng	# 86

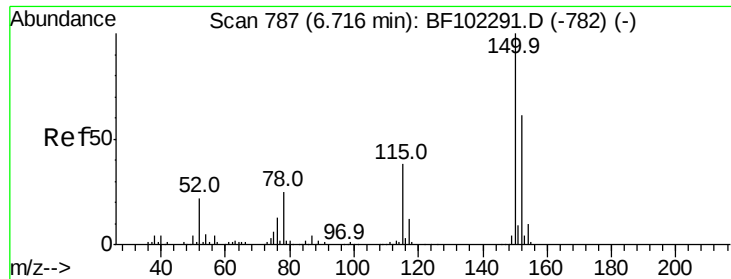
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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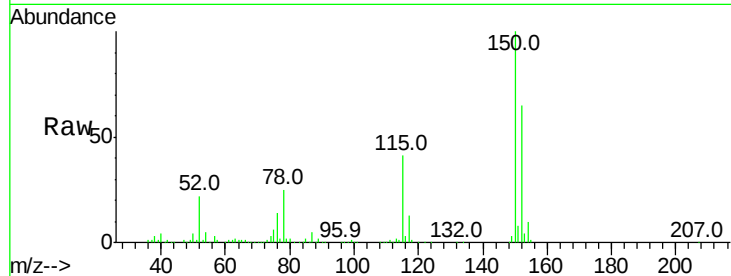


#1

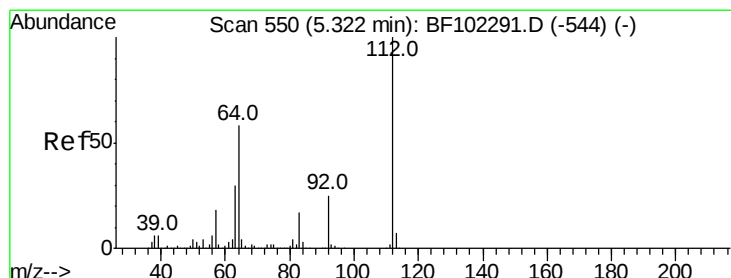
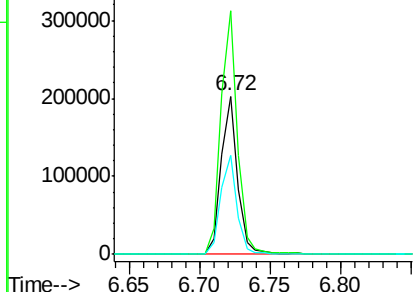
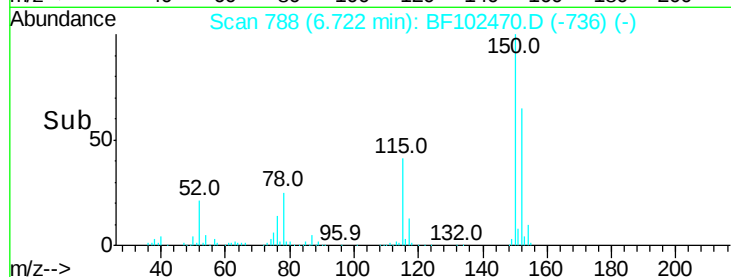
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164464
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 62.4 50.1 75.1



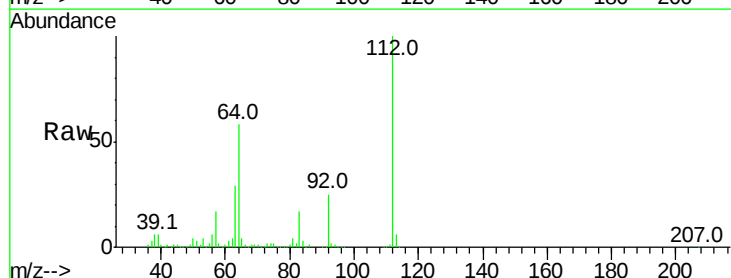
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



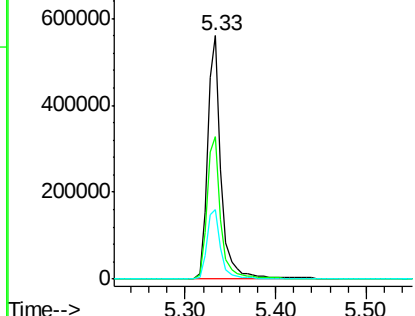
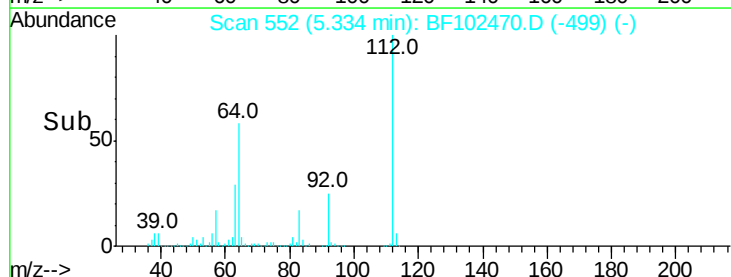
#5

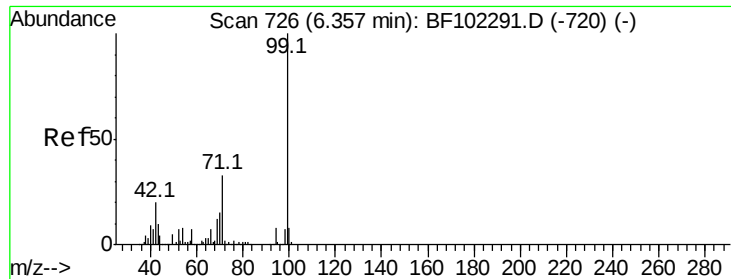
2-Fluorophenol
Concen: 54.635 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Tgt Ion:112 Resp: 592606
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 28.5 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: 54.219 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

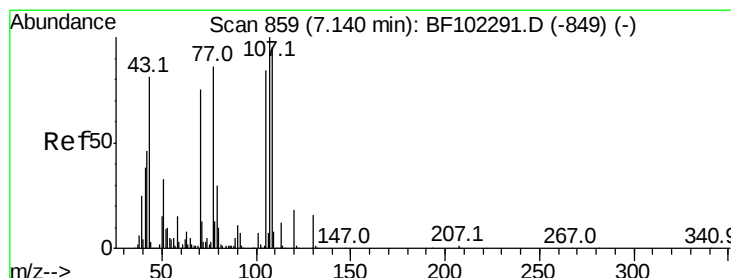
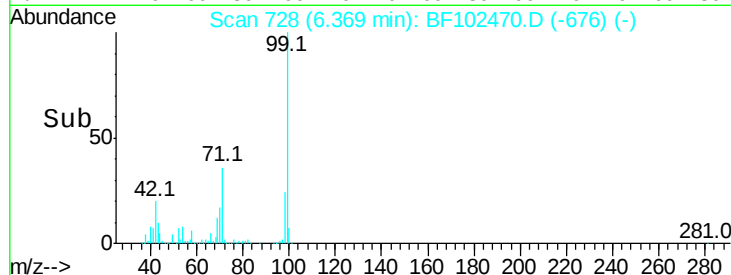
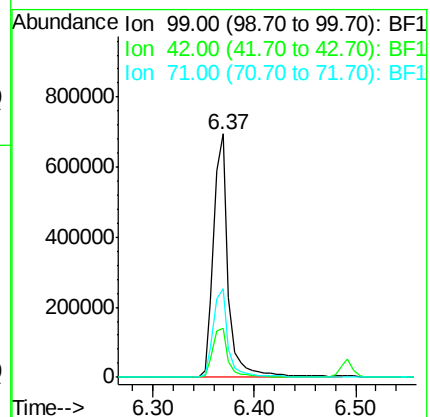
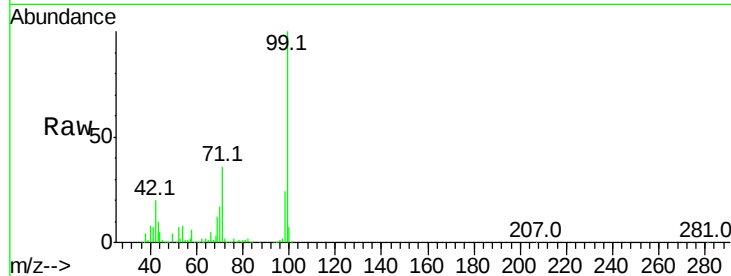
Tot Ion: 99 Resp: 709006

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 36.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.454 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Tgt Ion: 70 Resp: 43647

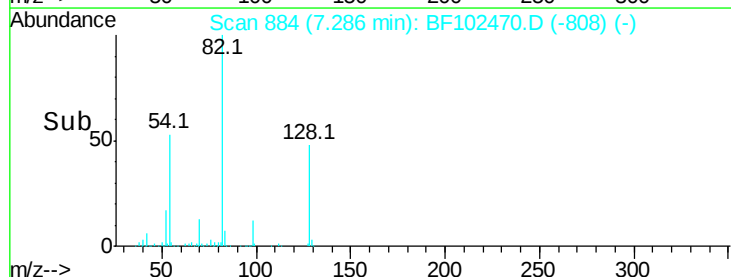
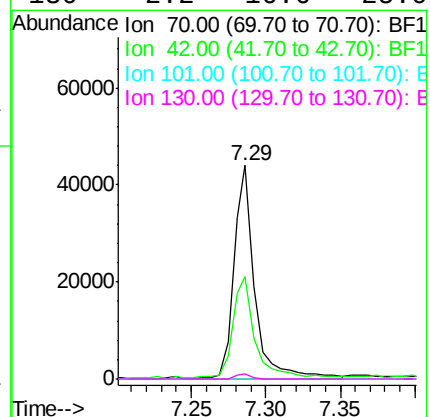
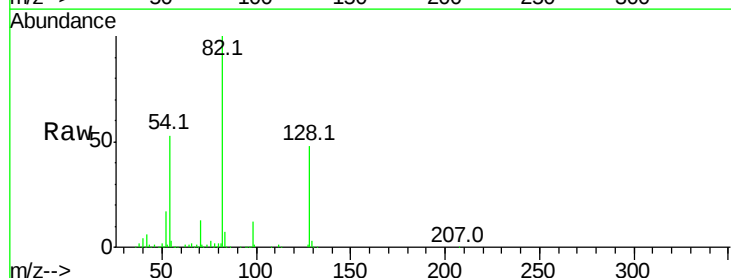
Ion Ratio Lower Upper

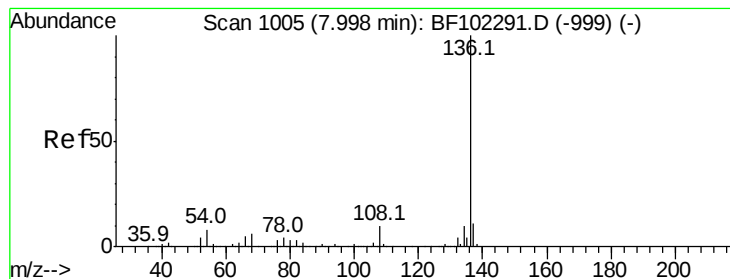
70 100

42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 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: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 678469

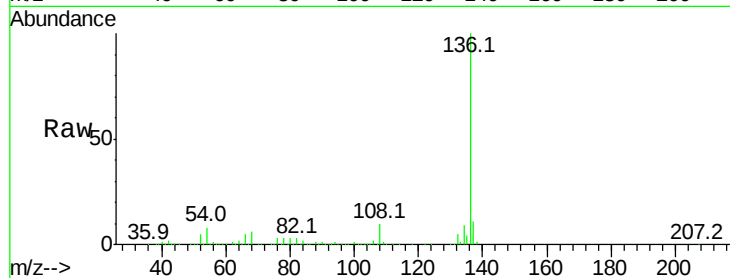
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 6.6 9.8

68 6.1 5.0 7.4

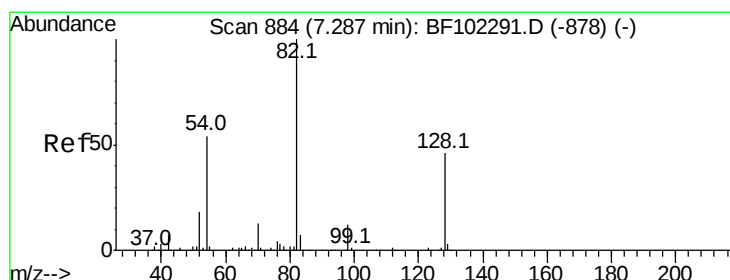
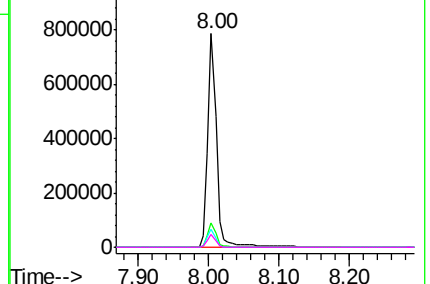
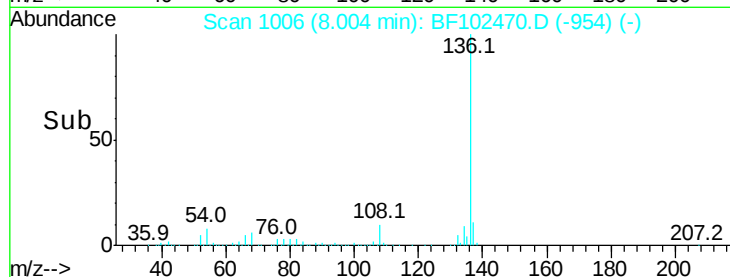


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.973 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

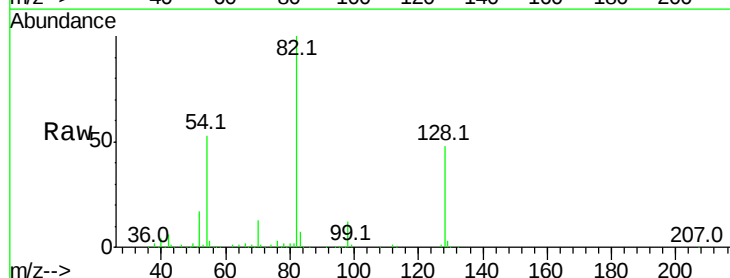
Tgt Ion: 82 Resp: 318454

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

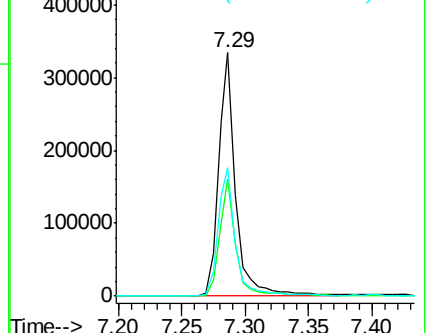
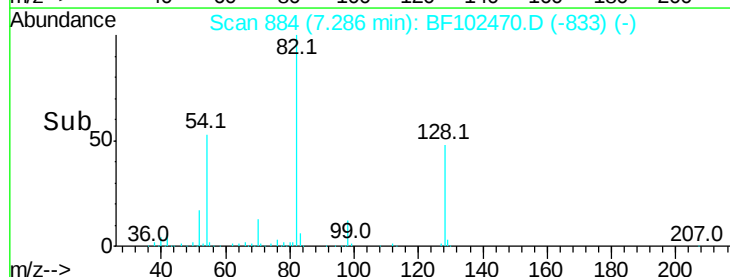
54 52.7 41.4 62.2

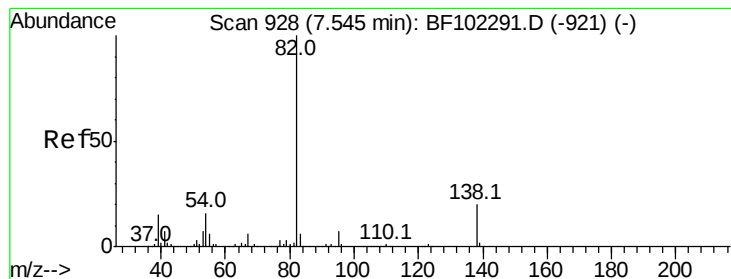


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.130 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampled :

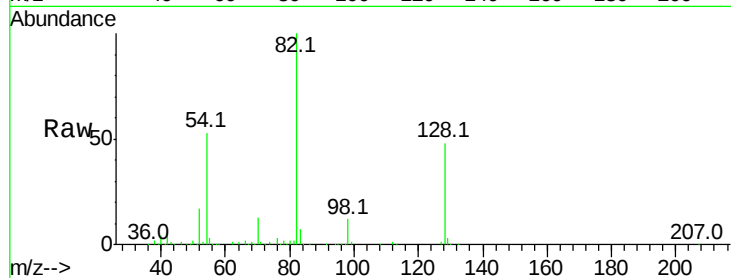
Tot Ion: 82 Resp: 318449

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

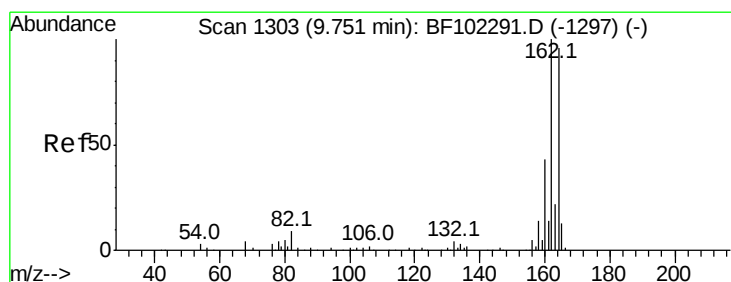
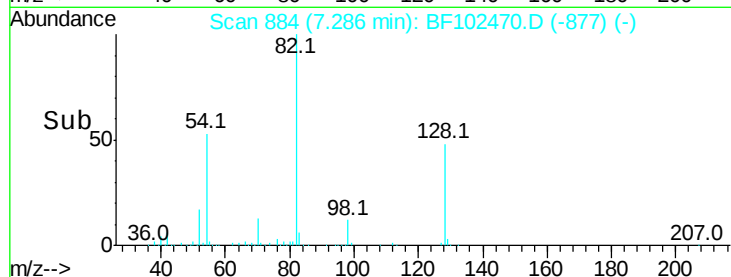
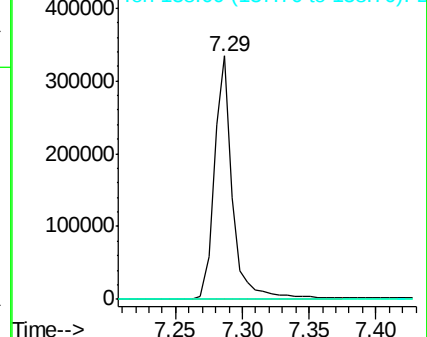
138 0.0 14.9 22.3#



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: BF102470.D

Acq: 26 Jan 2018 16:00

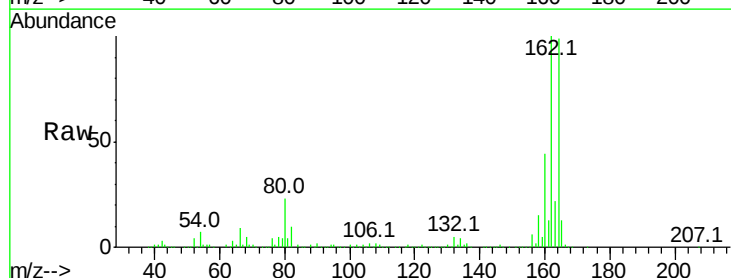
Tgt Ion: 164 Resp: 279464

Ion Ratio Lower Upper

164 100

162 101.1 86.1 129.1

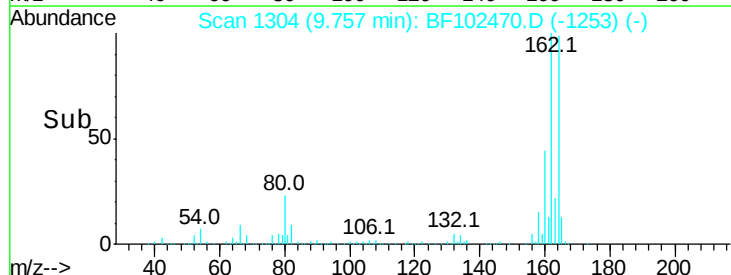
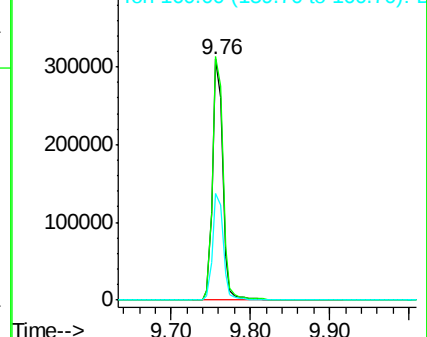
160 44.5 38.3 57.5

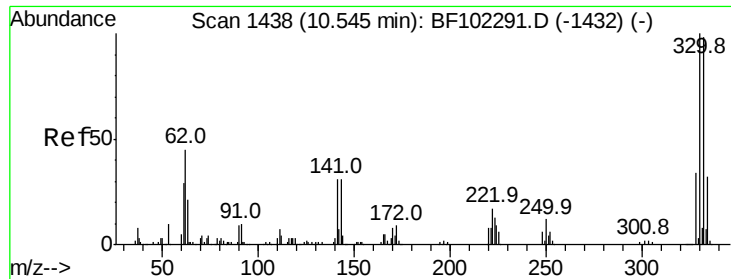


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

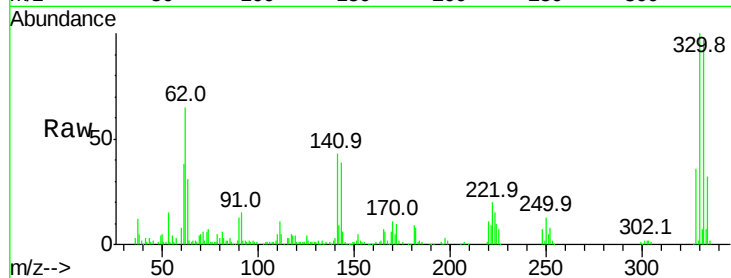




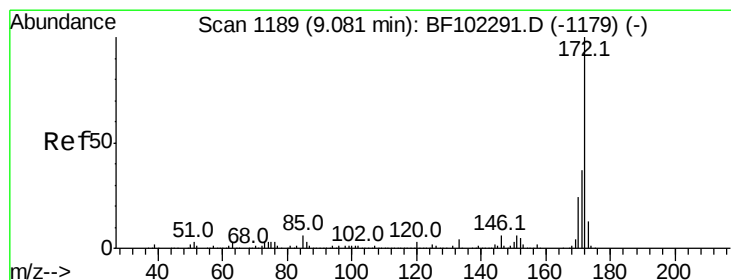
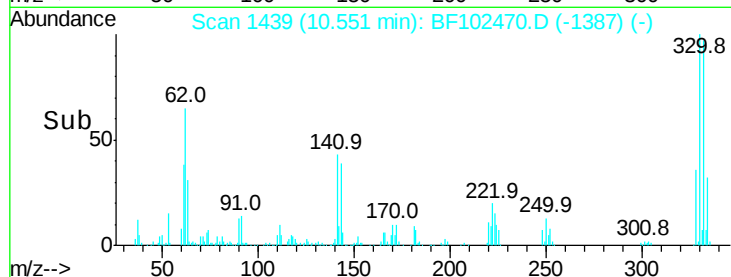
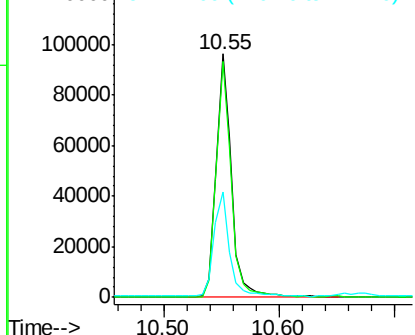
#41
 2,4,6-Tribromophenol
 Concen: 31.828 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102470.D
 Acq: 26 Jan 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 88135
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 44.2 29.9 44.9

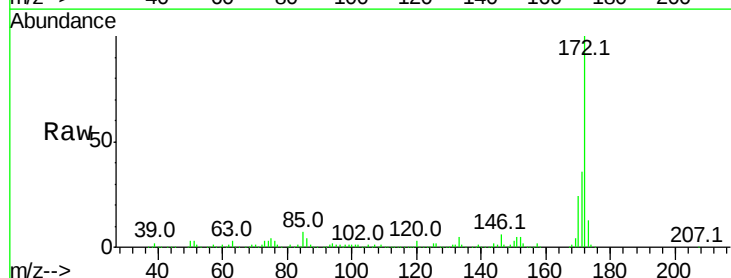


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

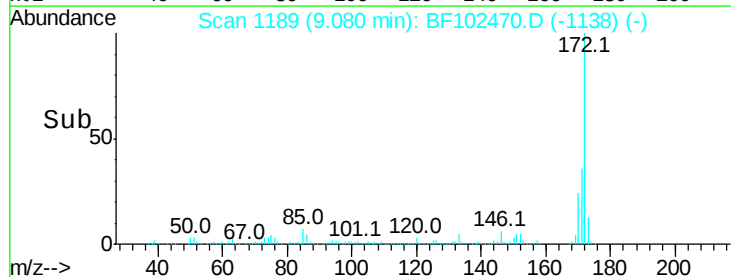
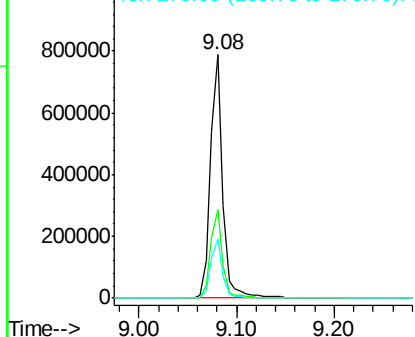


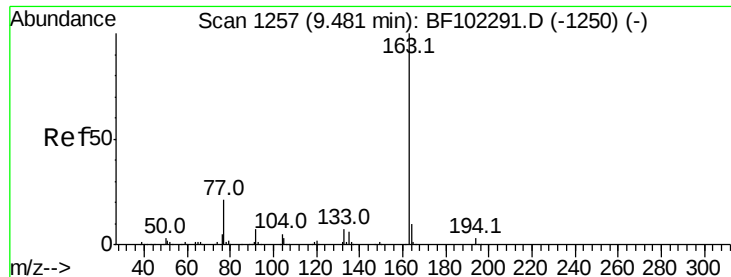
#44
 2-Fluorobiphenyl
 Concen: 36.059 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102470.D
 Acq: 26 Jan 2018 16:00

Tgt Ion:172 Resp: 685356
 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

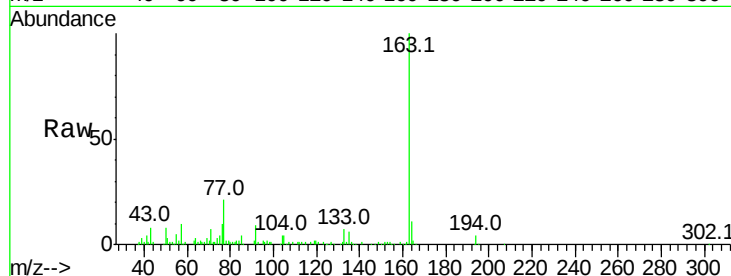




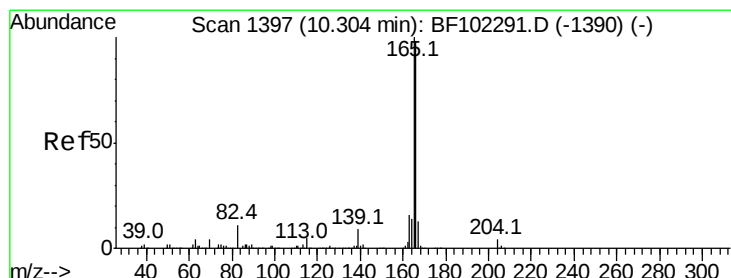
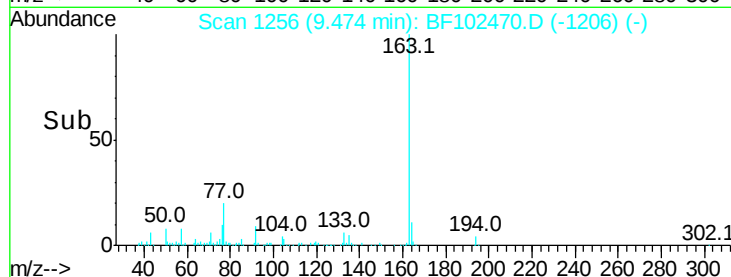
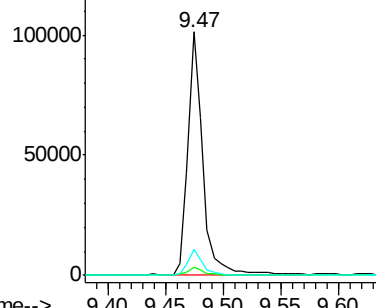
#49
Dimethylphthalate
Concen: 3.983 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 92012
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2

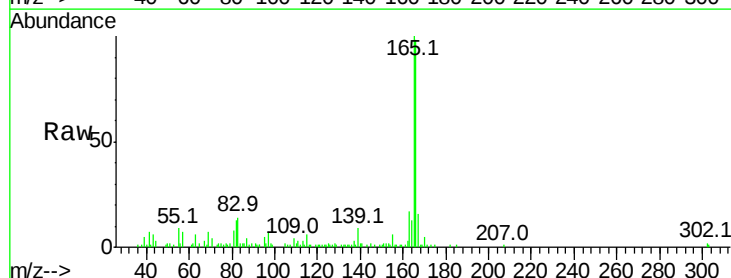


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

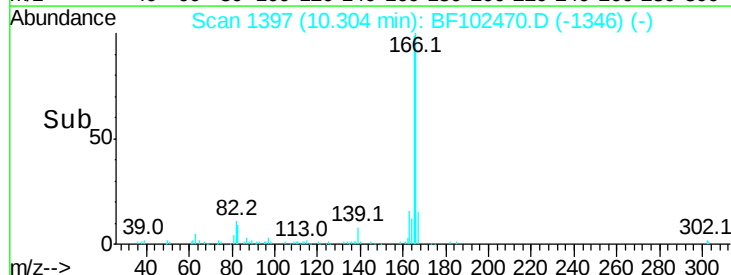
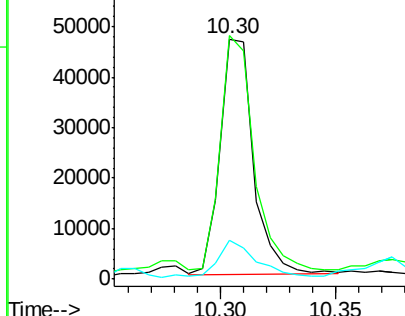


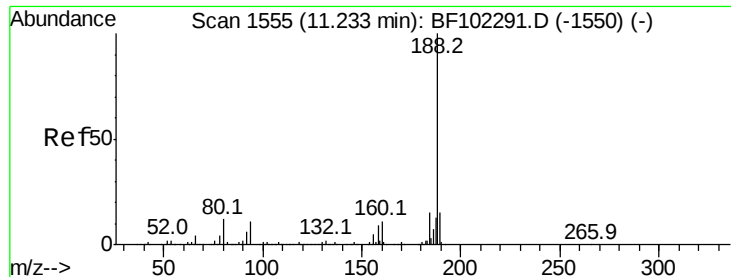
#57
Fluorene
Concen: 2.470 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Tgt Ion:166 Resp: 46814
Ion Ratio Lower Upper
166 100
165 101.6 79.8 119.8
167 16.4 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

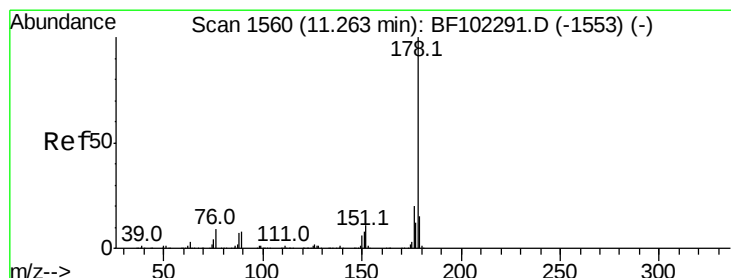
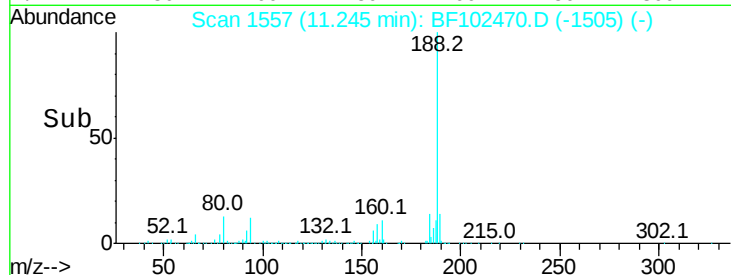
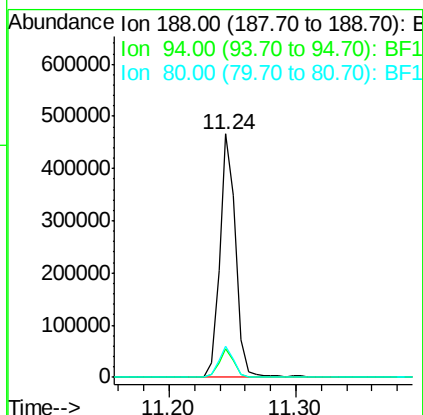
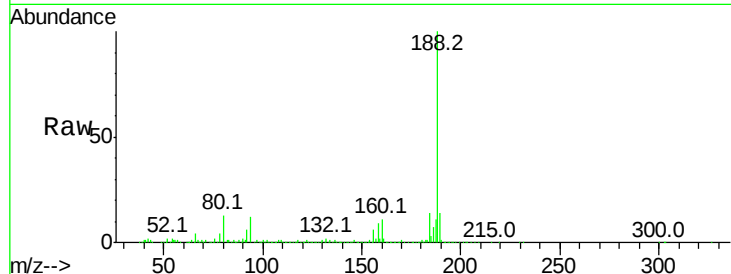




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

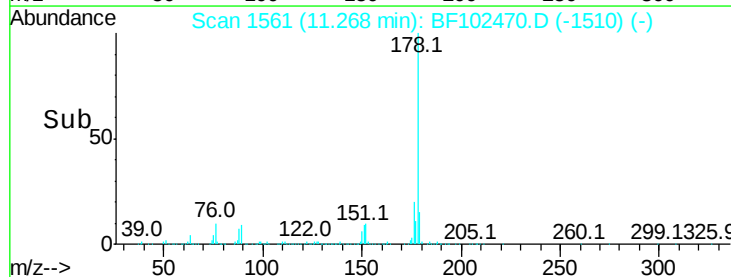
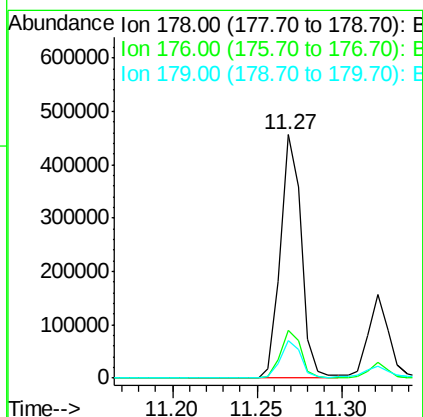
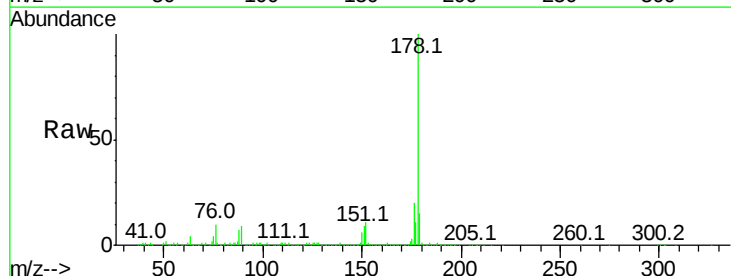
Instrument :
BNA_F
ClientSampleId :

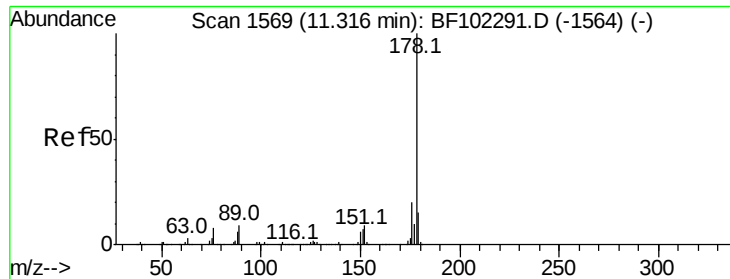
Tot Ion	188	Resp	408596
Ion Ratio	100		
Lower	8.5		
Upper	12.7		
80	12.6	9.2	13.8



#70
Phenanthrene
Concen: 16.434 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Tgt Ion	178	Resp	391291
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower	15.8		
Upper	23.8		
176	19.8	13.0	19.6
179	15.2		

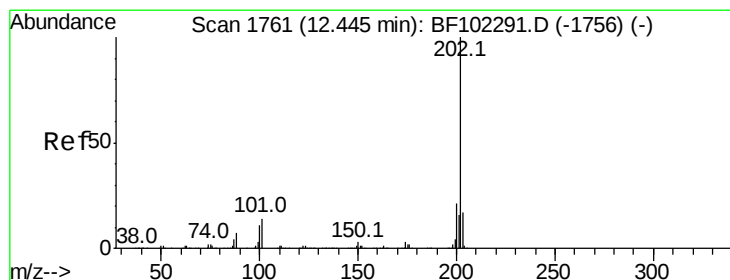
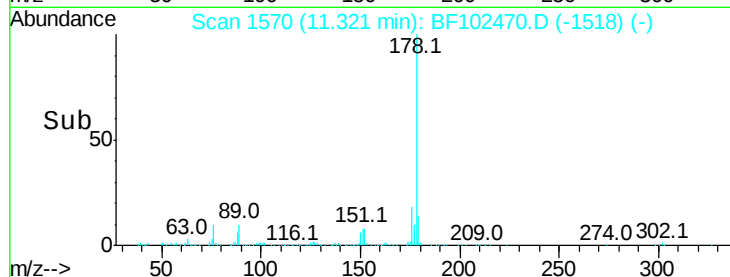
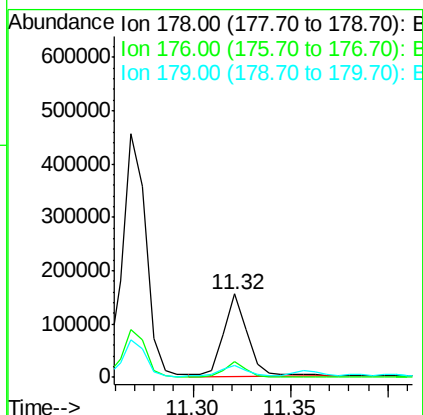
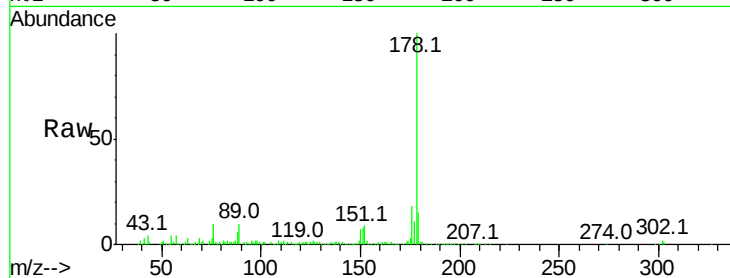




#71
 Anthracene
 Concen: 5.500 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF102470.D
 Acq: 26 Jan 2018 16:00

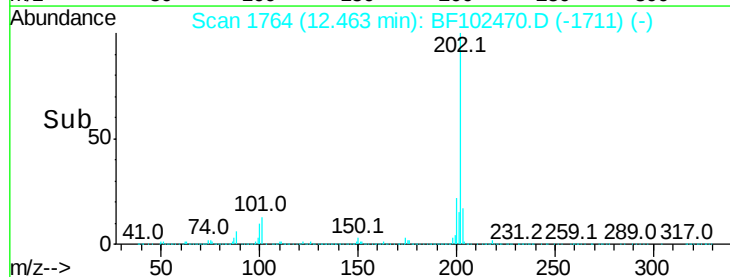
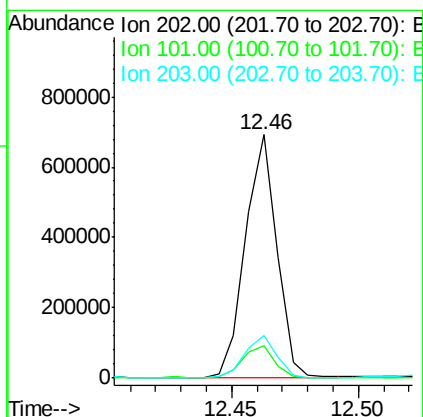
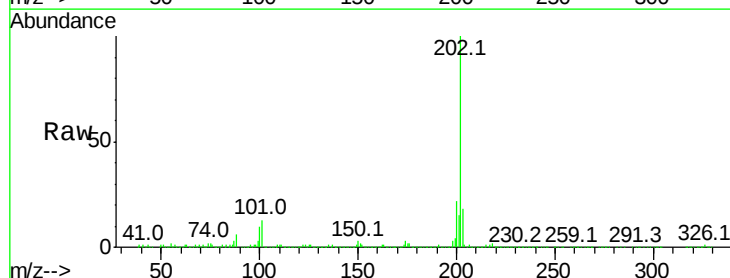
Instrument :
 BNA_F
 ClientSampled :

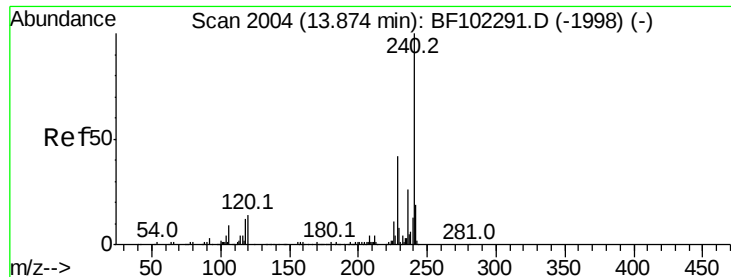
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.7	12.6	19.0



#74
 Fluoranthene
 Concen: 24.715 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF102470.D
 Acq: 26 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

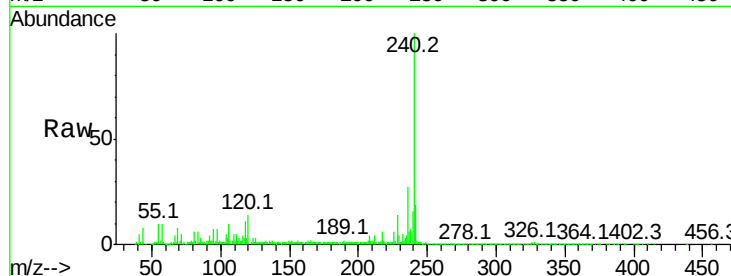
Tot Ion:240 Resp: 294666

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

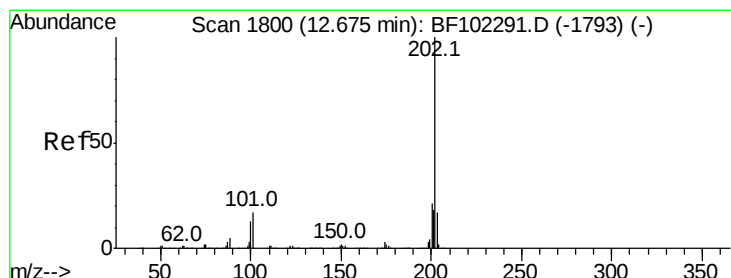
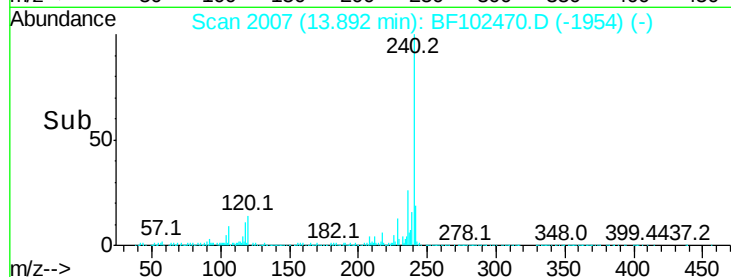
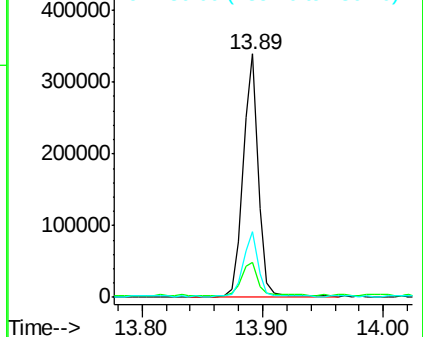
236 26.8 20.7 31.1



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: 24.883 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

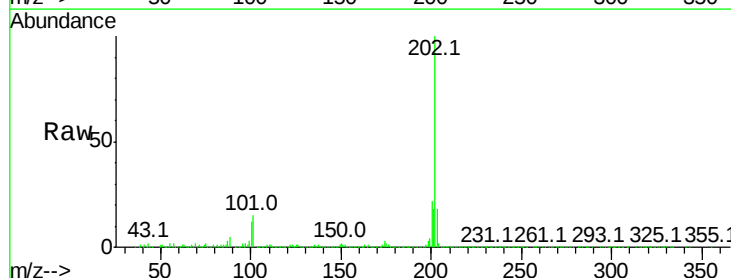
Tgt Ion:202 Resp: 566893

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

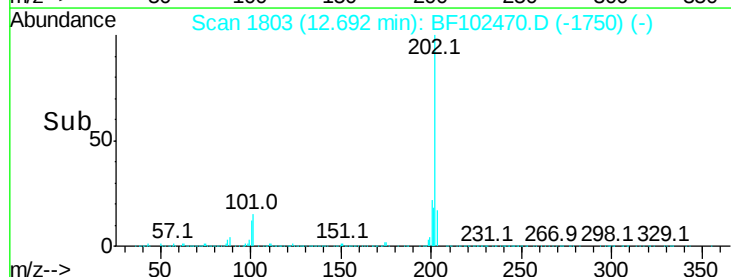
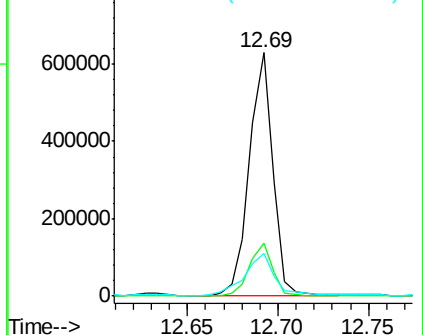
203 17.6 14.3 21.5

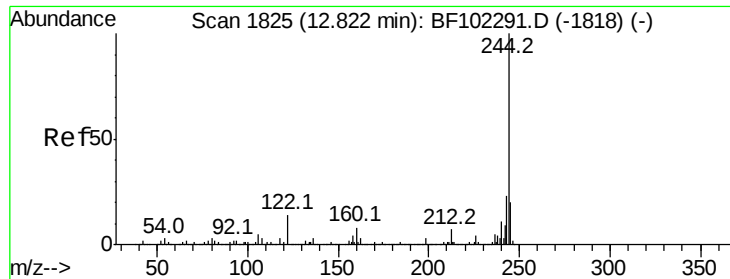


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.761 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

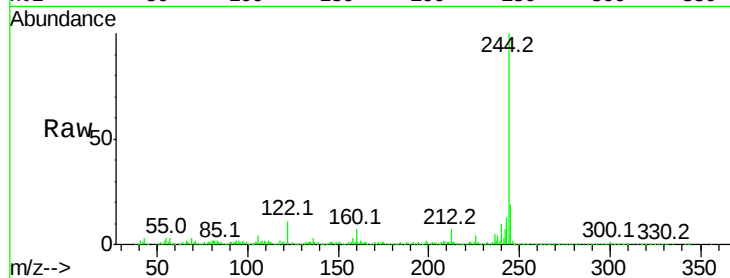
Tot Ion:244 Resp: 454359

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

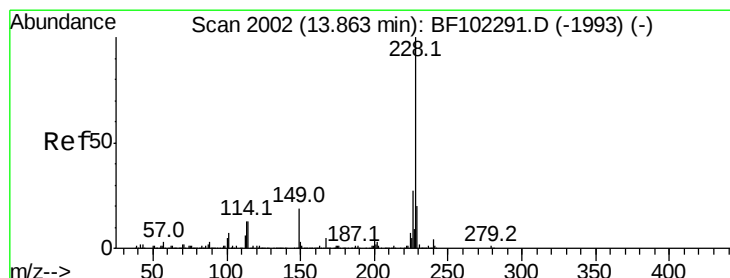
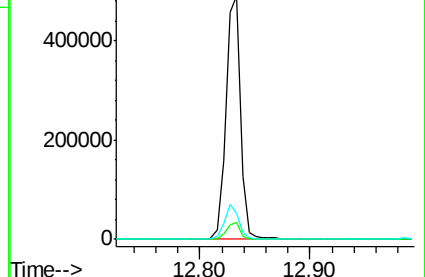
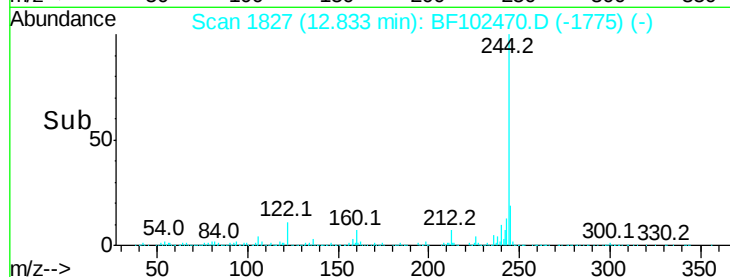
122 10.9 11.0 16.4#



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: 15.024 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

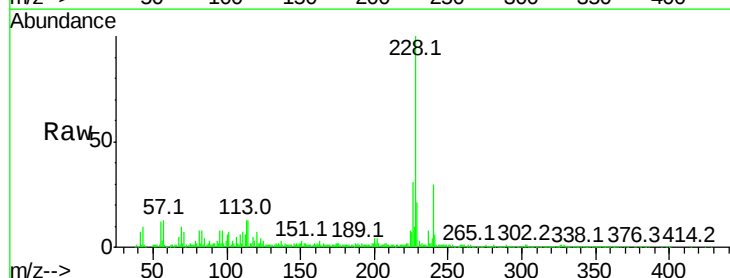
Tgt Ion:228 Resp: 272568

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

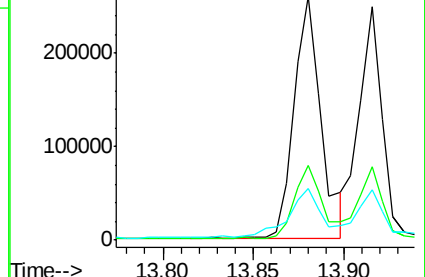
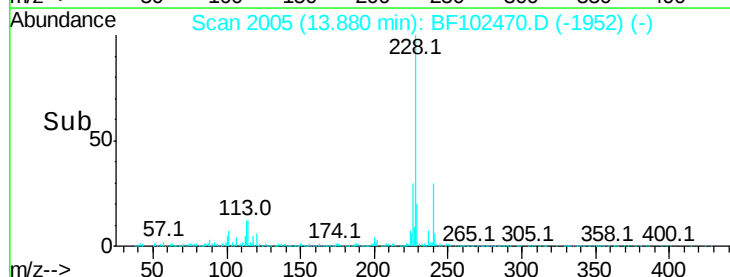
229 21.1 15.8 23.6

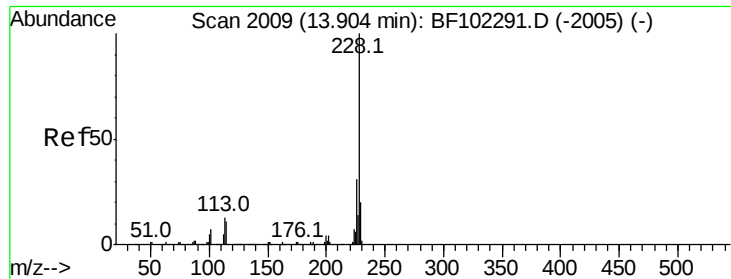


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.087 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

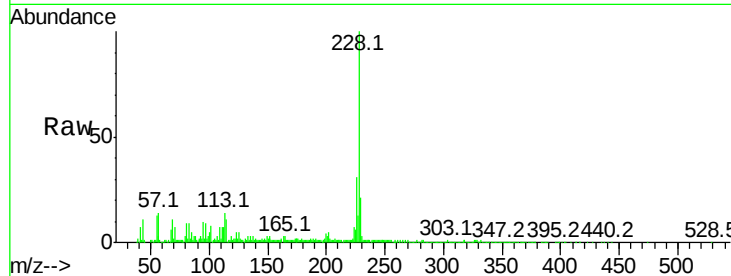
Tot Ion:228 Resp: 222682

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

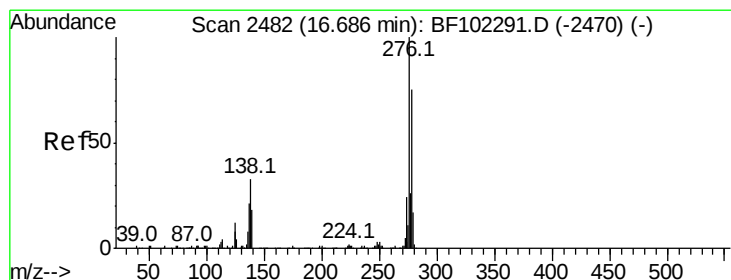
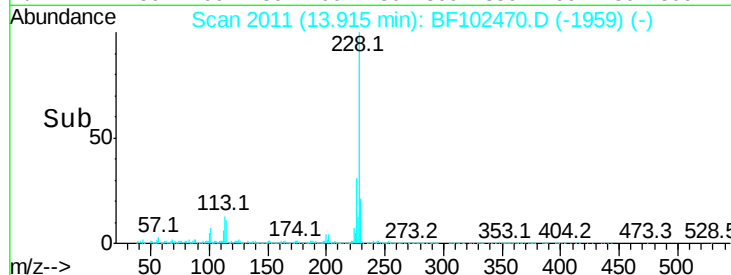
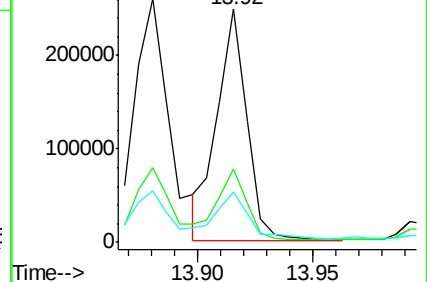
229 21.5 16.2 24.4



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: 4.581 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.03 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

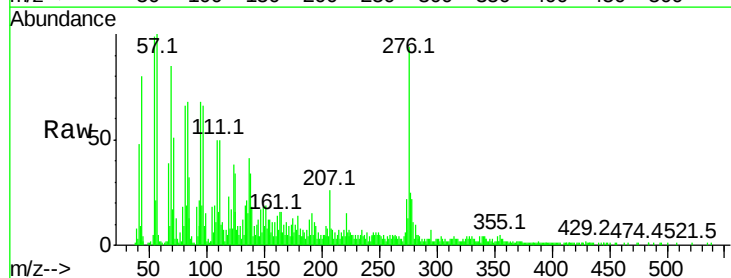
Tgt Ion:276 Resp: 69700

Ion Ratio Lower Upper

276 100

138 30.5 25.0 37.6

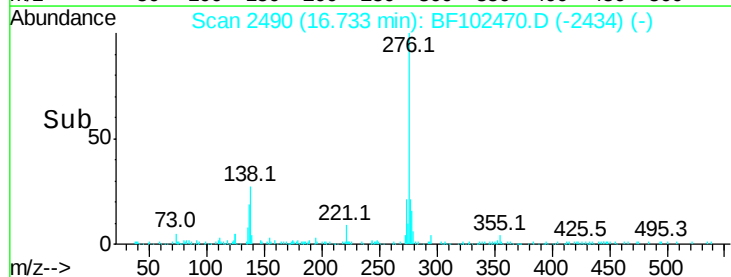
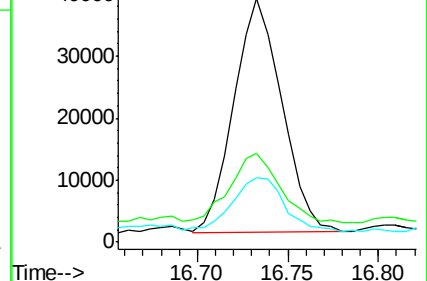
277 25.5 20.1 30.1

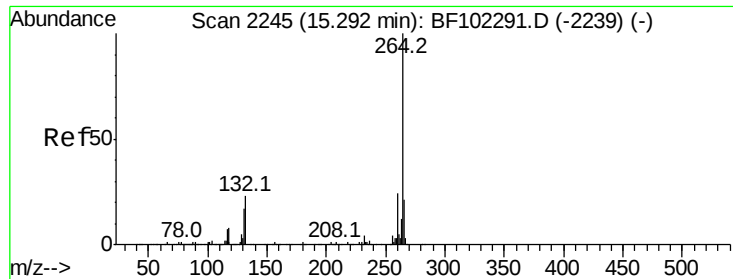


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

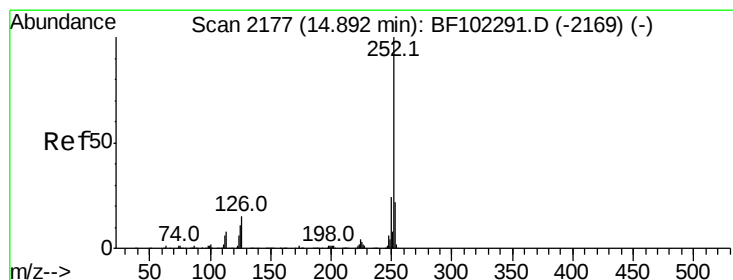
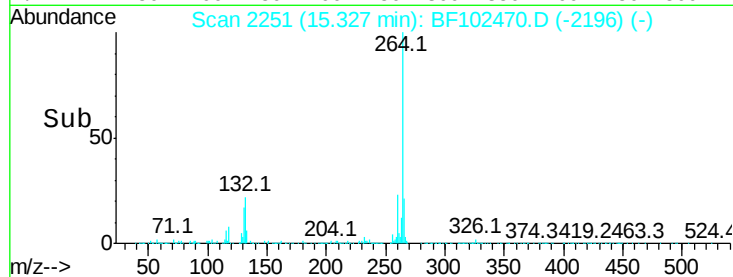
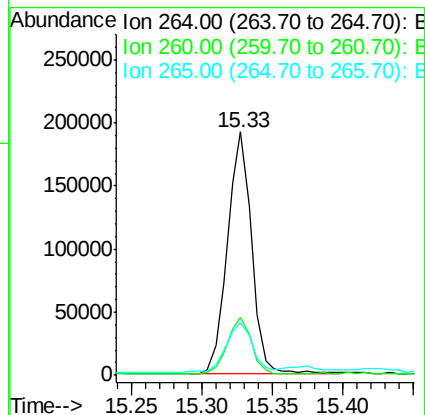
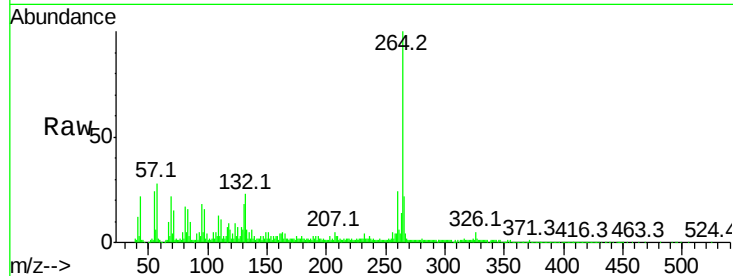




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

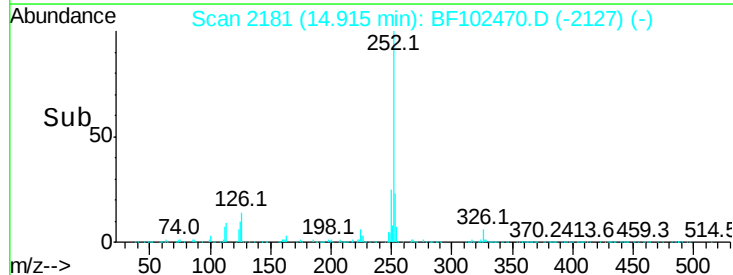
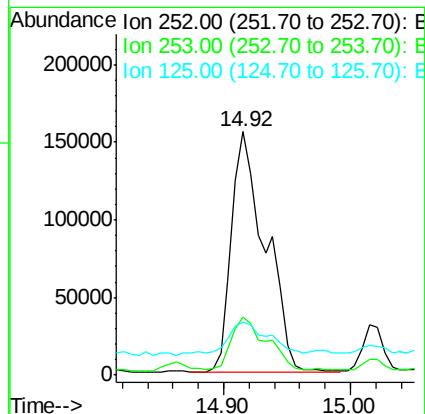
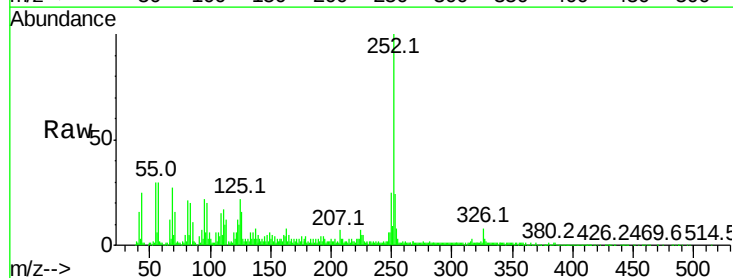
Instrument :
BNA_F
ClientSampled :

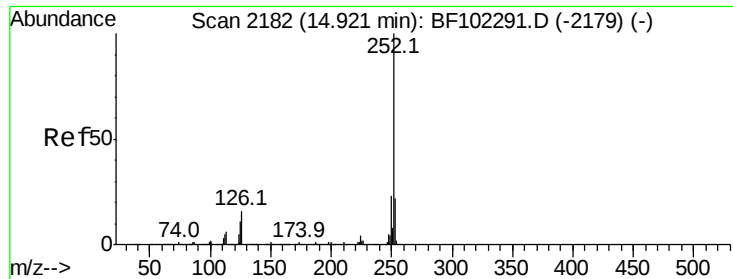
Tot Ion:264 Resp: 225598
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 19.706 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Tgt Ion:252 Resp: 288150
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 21.6 9.0 13.6#

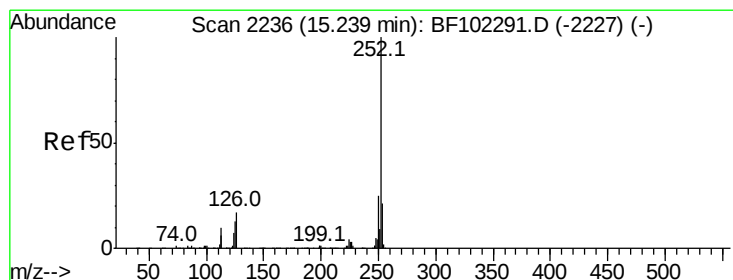
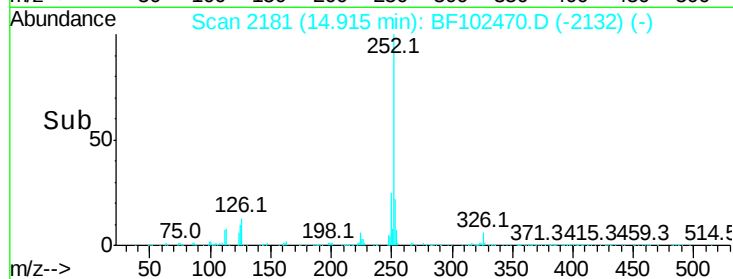
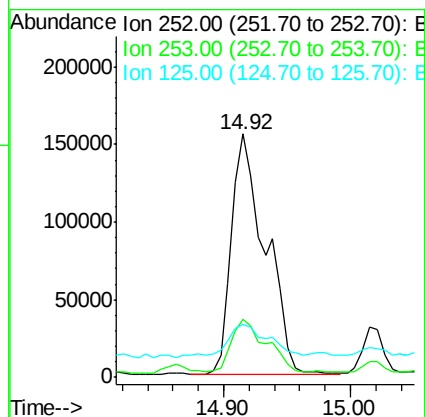
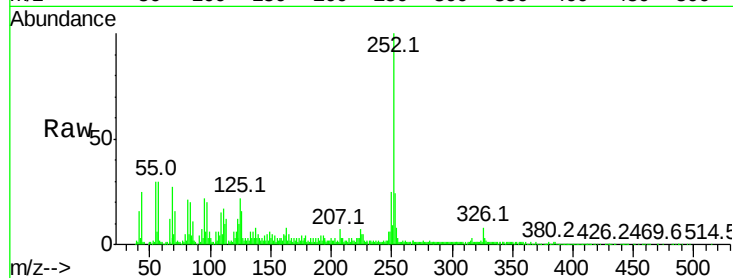




#88
Benzo(k)fluoranthene
Concen: 20.858 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

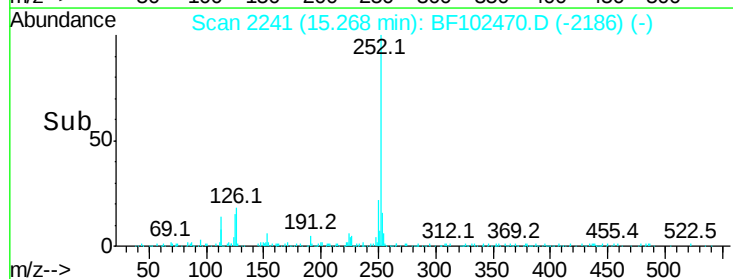
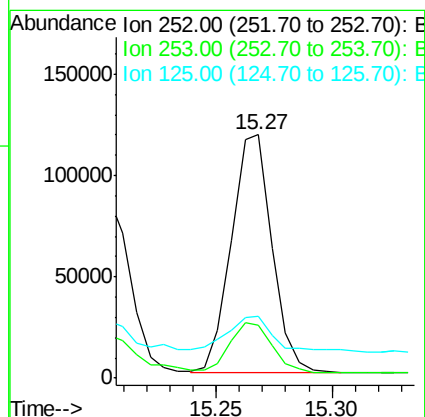
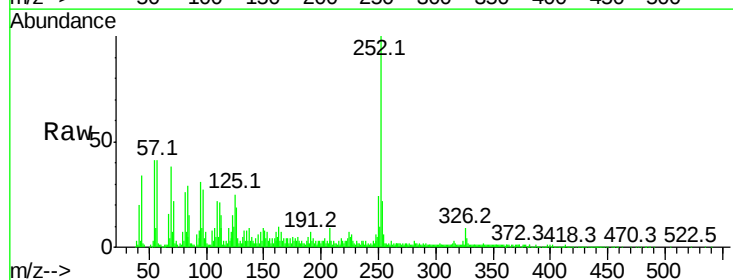
Instrument :
BNA_F
ClientSampleId :

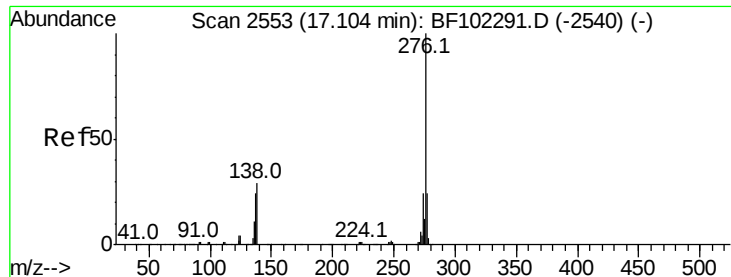
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	21.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.987 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102470.D
Acq: 26 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	25.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.110 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.04 min

Lab File: BF102470.D

Acq: 26 Jan 2018 16:00

Instrument :

BNA_F

ClientSampleId :

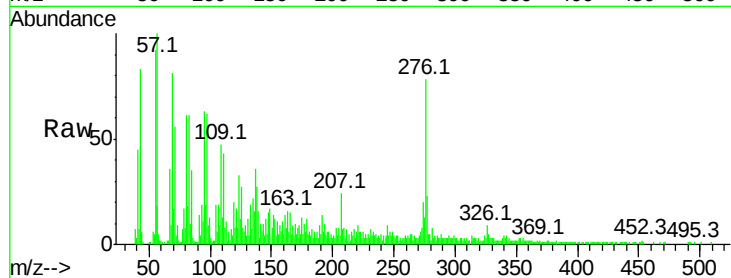
Tot Ion:276 Resp: 64446

Ion Ratio Lower Upper

276 100

277 29.4 17.9 26.9#

138 34.4 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

