

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102570.D
 Acq On : 28 Jan 2018 21:04
 Operator : SJ/JU
 Sample : J1253-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:19:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

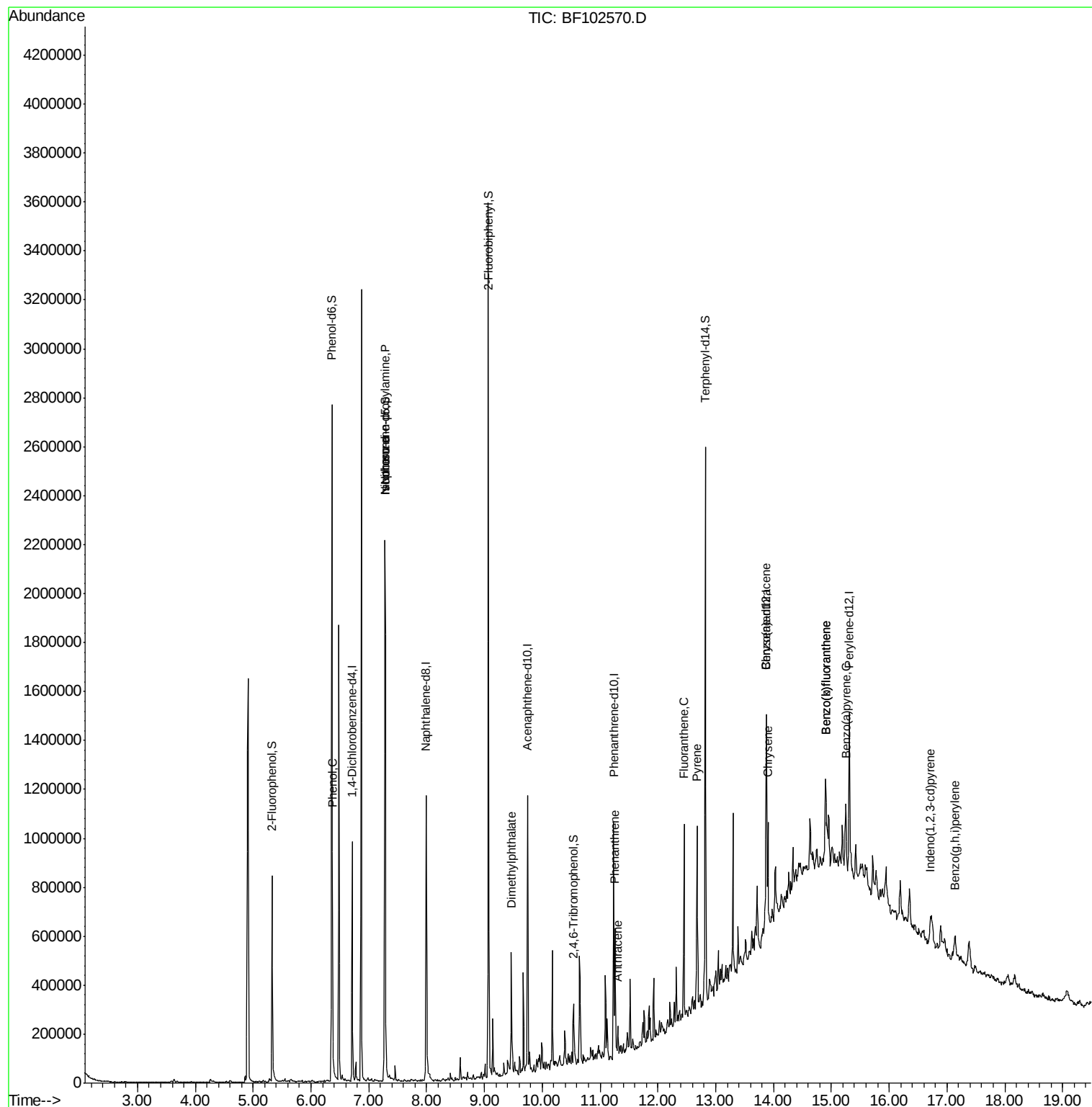
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	145447	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	585277	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	238855	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	326584	20.00	ng	0.00
75) Chrysene-d12	13.88	240	263280	20.00	ng	0.00
86) Perylene-d12	15.31	264	219427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	261444	27.26	ng	0.00
7) Phenol-d6	6.36	99	1023450	88.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	789642	77.53	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	27721	11.71	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1223639	75.33	ng	0.00
78) Terphenyl-d14	12.82	244	772260	66.13	ng	0.00
Target Compounds						
10) Phenol	6.37	94	46749	3.703	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	105613	14.923	ng	# 80
25) Isophorone	7.28	82	789632	43.490	ng	# 64
49) Dimethylphthalate	9.47	163	178252	9.029	ng	98
70) Phenanthrene	11.26	178	173339	9.108	ng	98
71) Anthracene	11.31	178	48550	2.499	ng	99
74) Fluoranthene	12.45	202	340733	17.557	ng	97
77) Pyrene	12.68	202	307182	15.091	ng	100
80) Benzo(a)anthracene	13.87	228	165857	10.232	ng	94
82) Chrysene	13.90	228	167203	10.158	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	56639	4.166	ng	97
87) Benzo(b)fluoranthene	14.90	252	247163	17.379	ng	# 89
88) Benzo(k)fluoranthene	14.90	252	247163	18.394	ng	# 91
89) Benzo(a)pyrene	15.25	252	121363	9.462	ng	# 87
91) Benzo(a,h,i)perylene	17.14	276	53442	5.209	ng	# 90

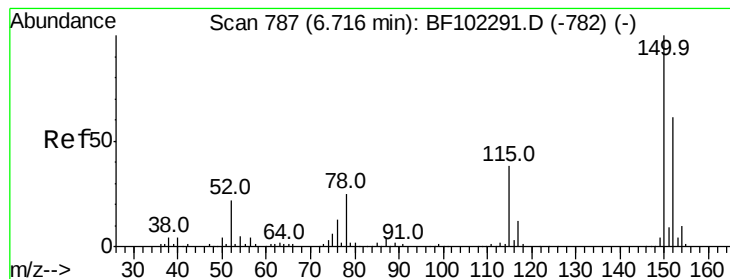
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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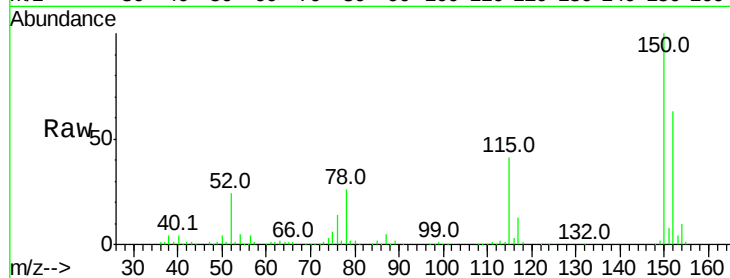


#1

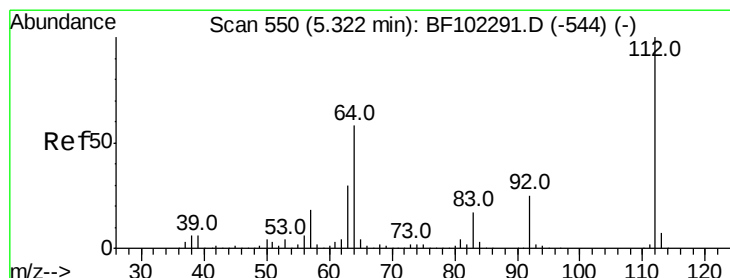
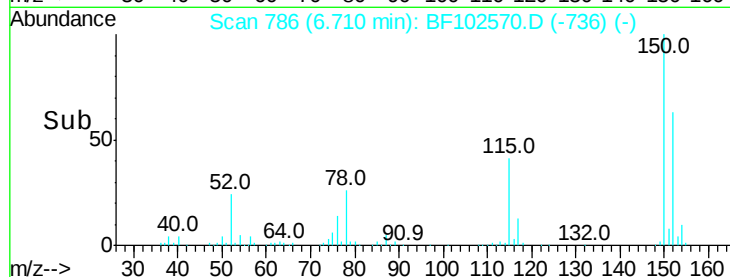
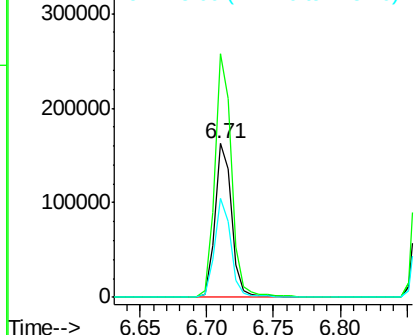
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 145447
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 64.3 50.1 75.1



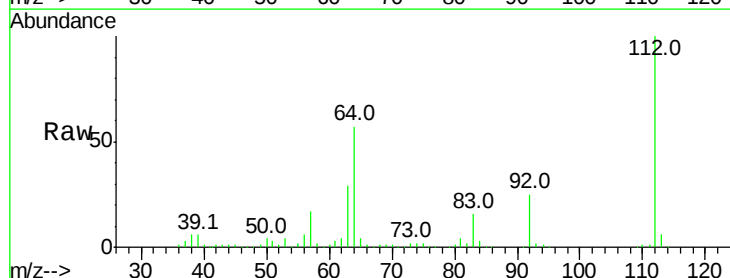
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



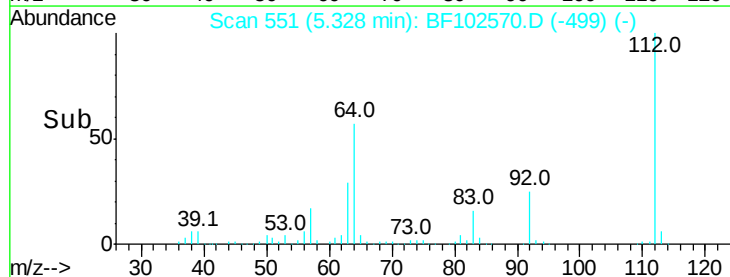
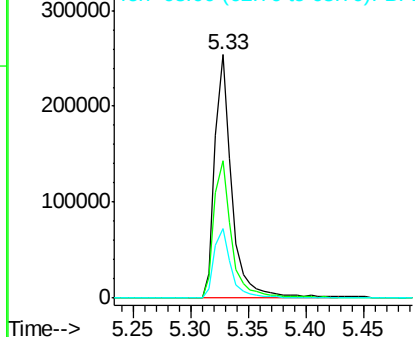
#5

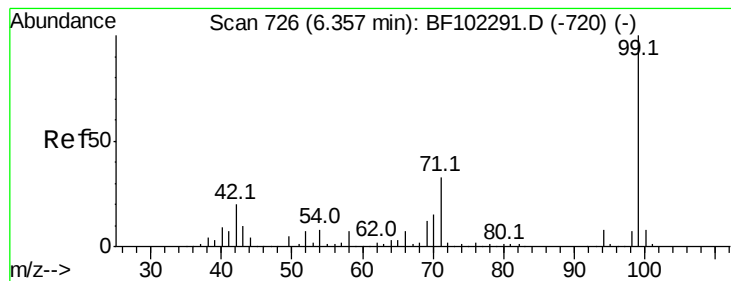
2-Fluorophenol
 Concen: 27.255 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tgt Ion:112 Resp: 261444
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 28.7 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: 88.498 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

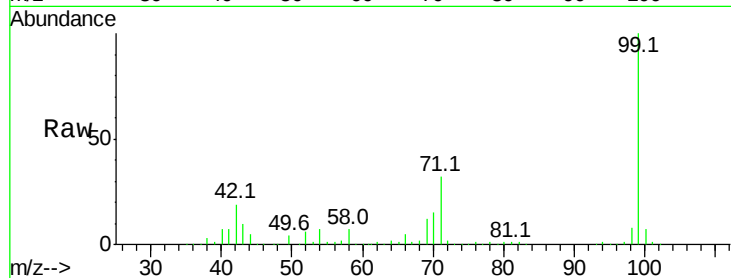
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1023450

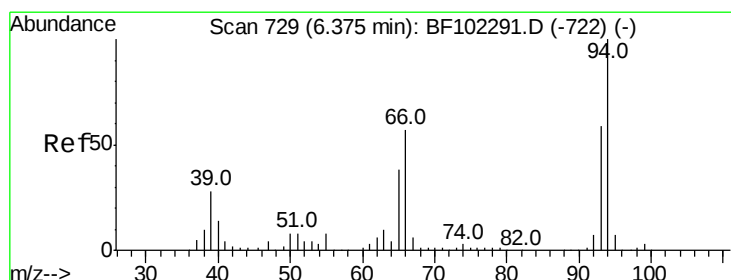
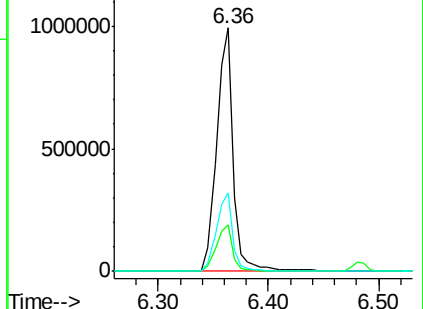
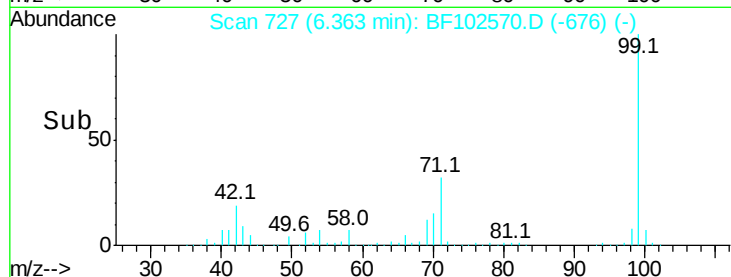
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.0	25.4	38.0



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



#10

Phenol

Concen: 3.703 ng

RT: 6.37 min Scan# 729

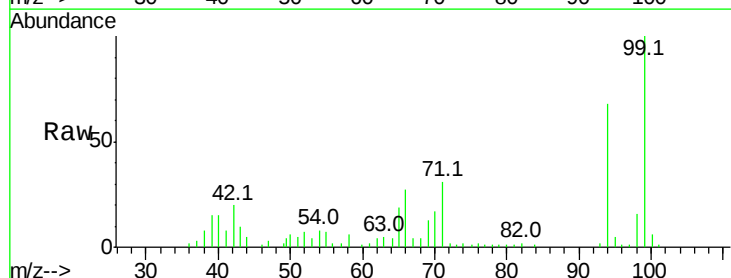
Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Tgt Ion: 94 Resp: 46749

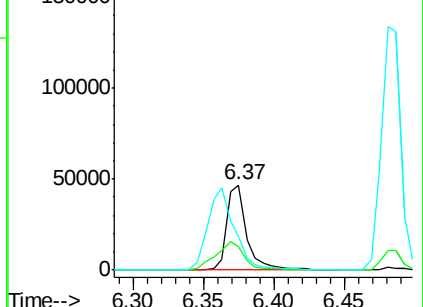
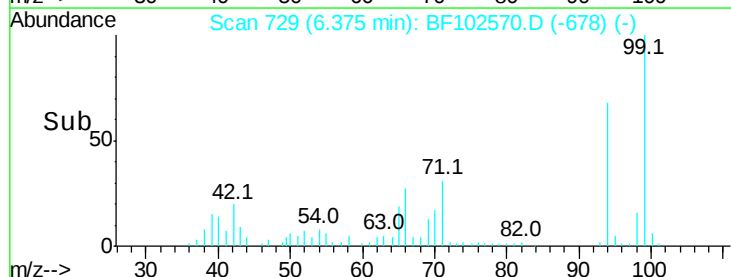
Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.9	47.9
66	39.2	16.2	56.2

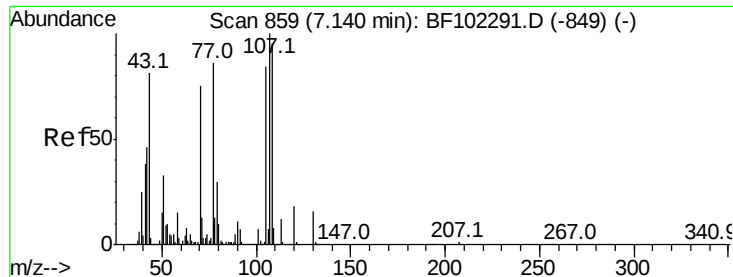


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

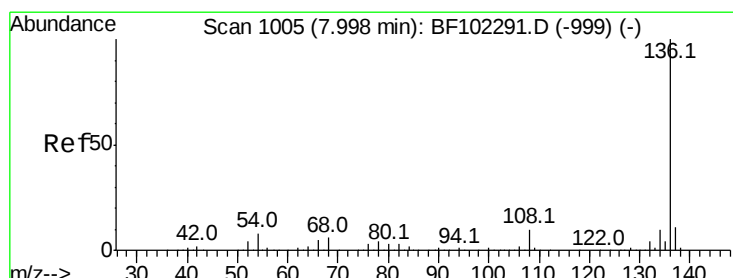
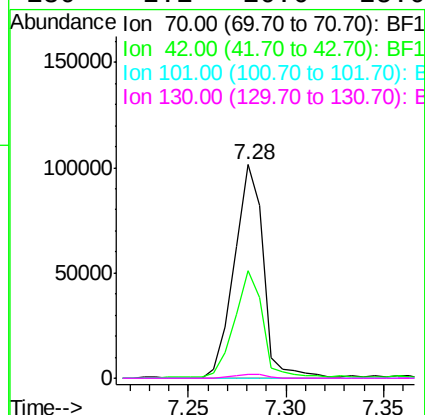
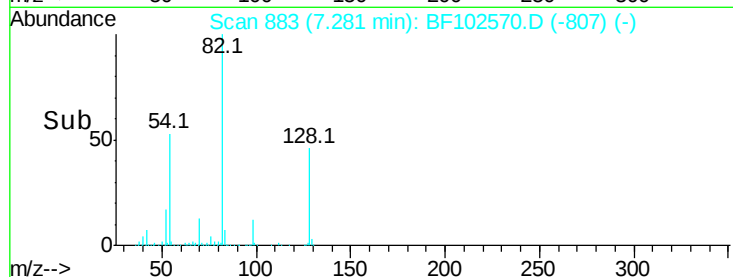
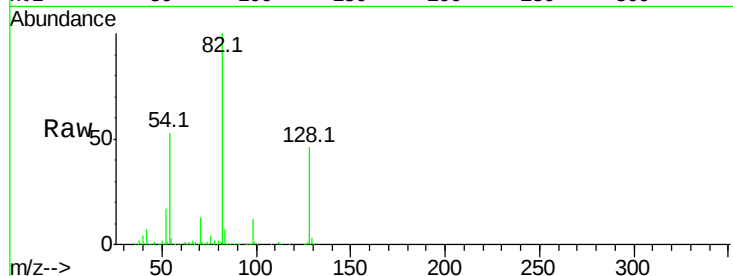




#19
n-Nitroso-di-n-propylamine
Concen: 14.923 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

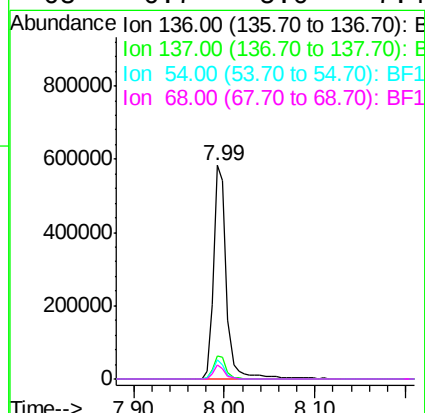
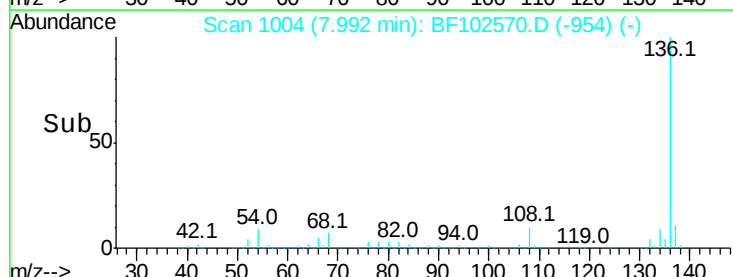
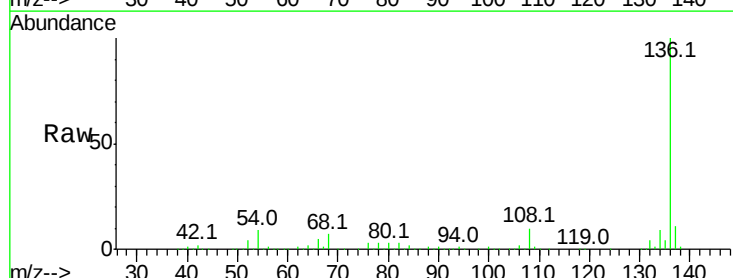
Instrument :
BNA_F
ClientSampleId :

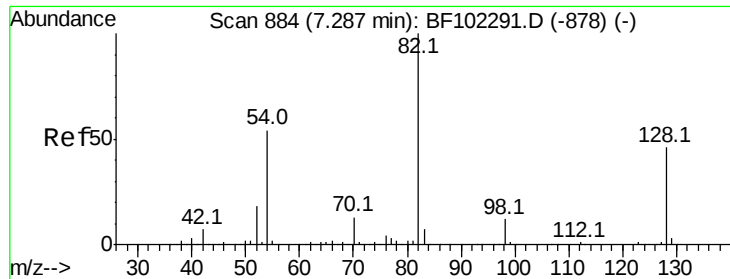
Tot Ion: 70 Resp: 105613
Ion Ratio Lower Upper
70 100
42 50.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion:136 Resp: 585277
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.0 6.6 9.8
68 6.7 5.0 7.4

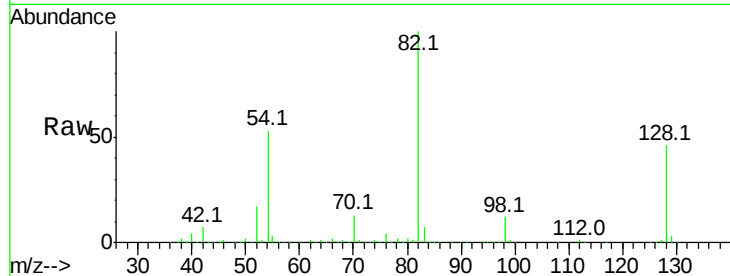




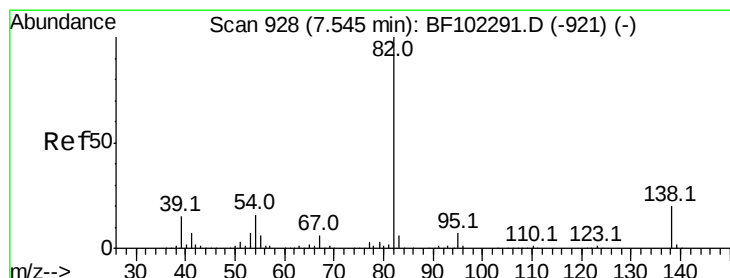
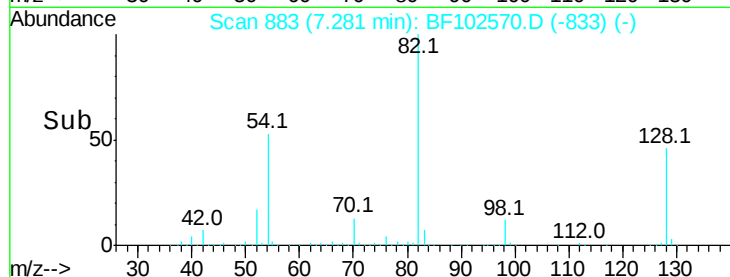
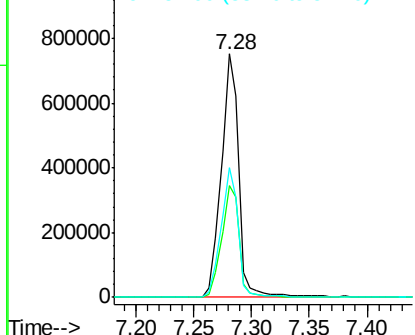
#23
 Nitrobenzene-d5
 Concen: 77.533 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	789642
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.1	54.1
54	53.4	41.4	62.2

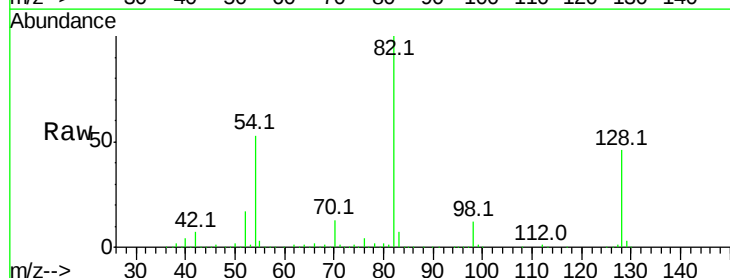


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

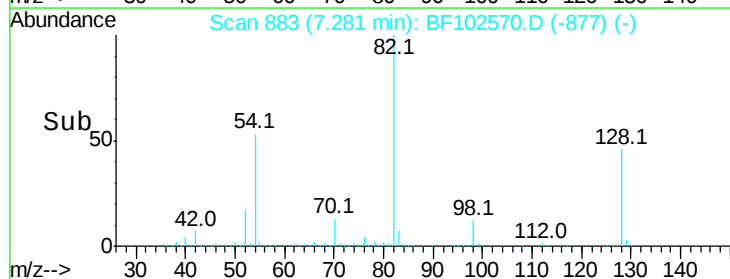
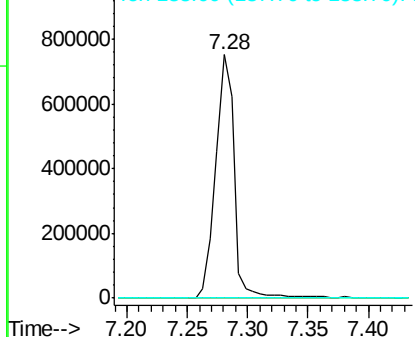


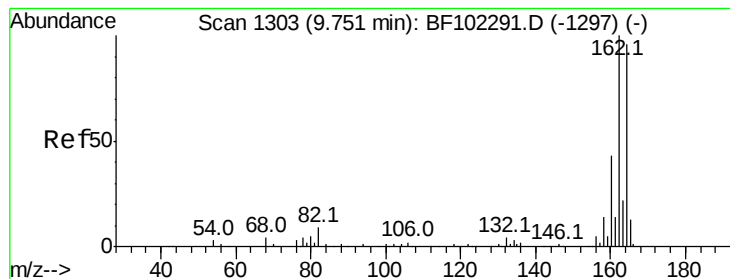
#25
 Isophorone
 Concen: 43.490 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tgt Ion	82	Resp	789632
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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

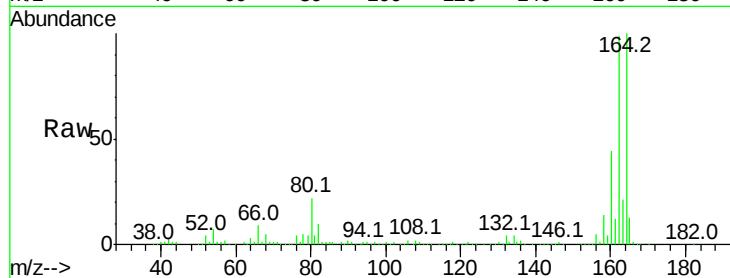
Tot Ion:164 Resp: 238855

Ion Ratio Lower Upper

164 100

162 99.2 86.1 129.1

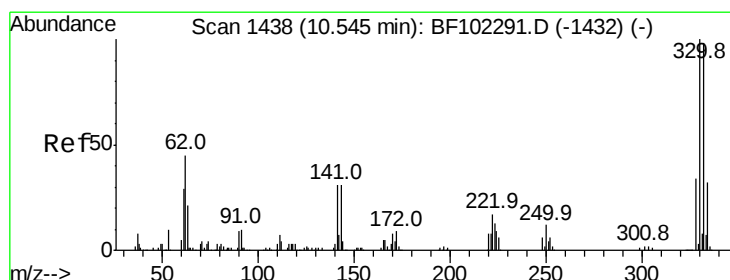
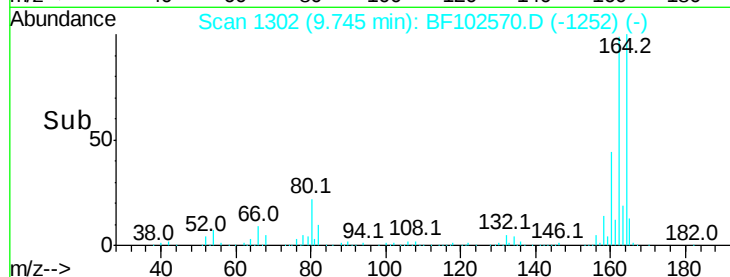
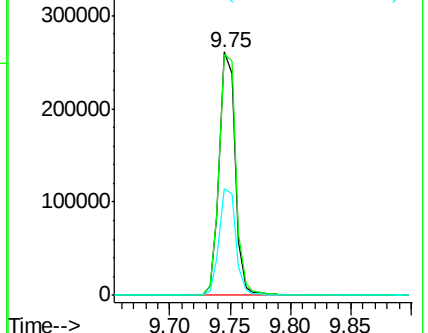
160 43.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 11.713 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

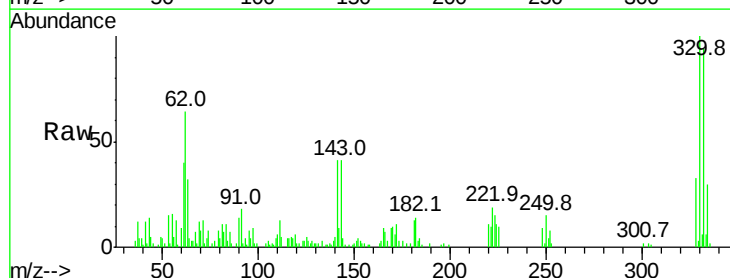
Tgt Ion:330 Resp: 27721

Ion Ratio Lower Upper

330 100

332 94.0 77.0 115.6

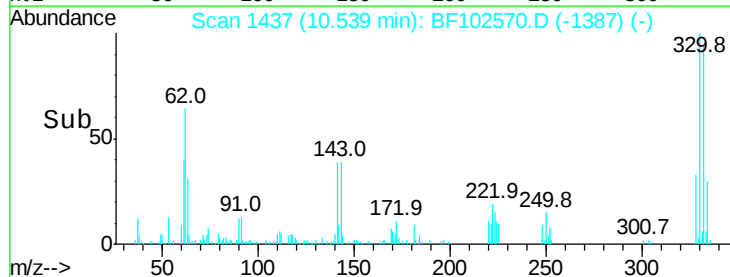
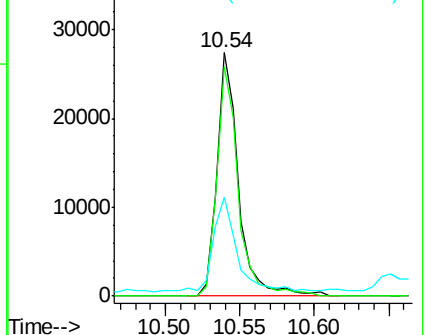
141 44.2 29.9 44.9

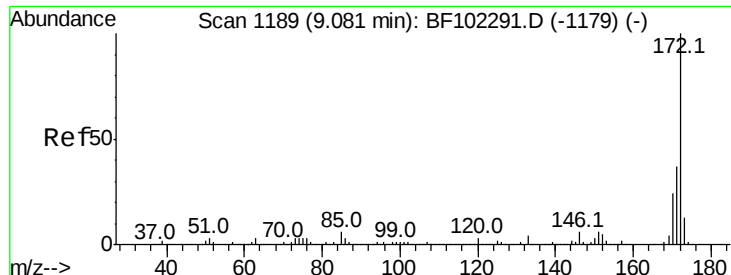


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



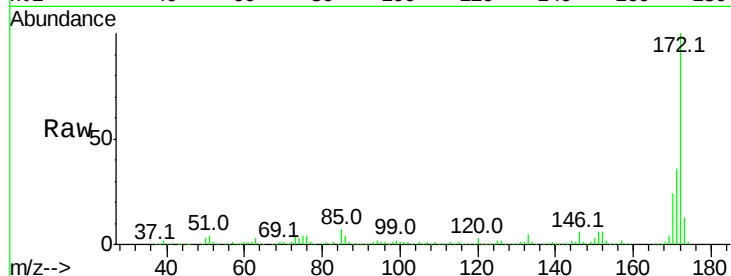


#44
 2-Fluorobiphenyl
 Concen: 75.325 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

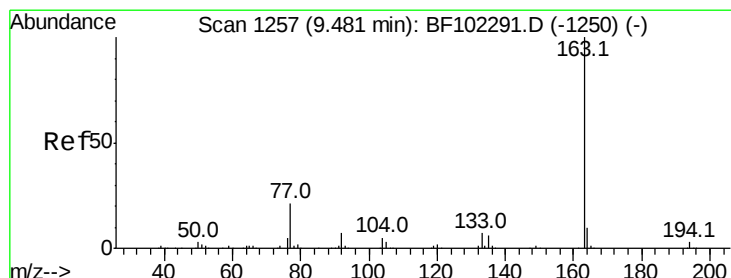
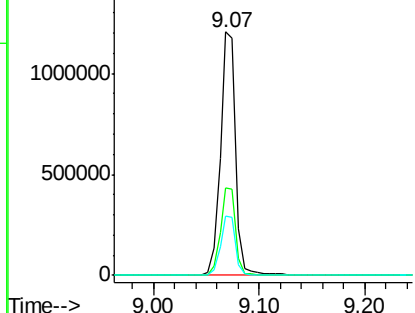
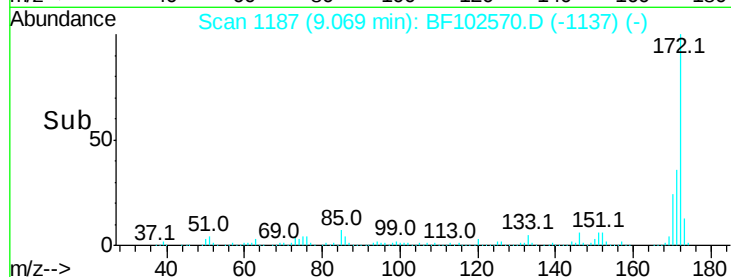
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1223639

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4



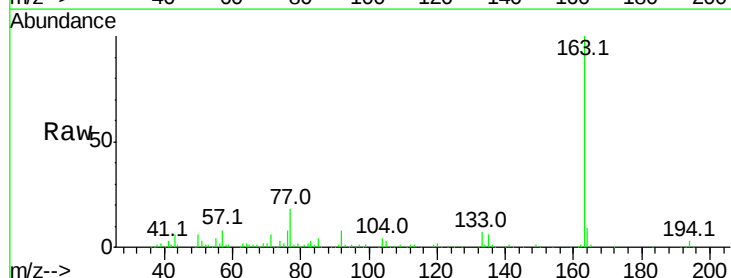
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



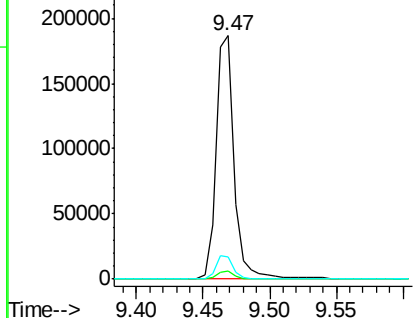
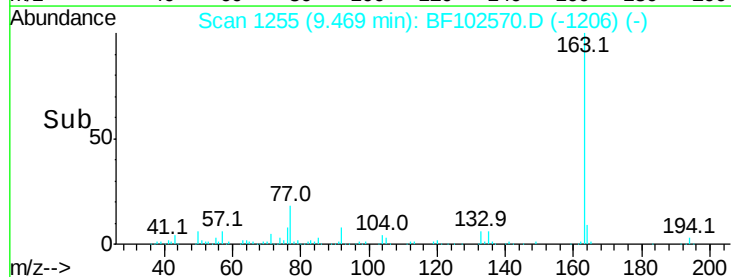
#49
 Dimethylphthalate
 Concen: 9.029 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

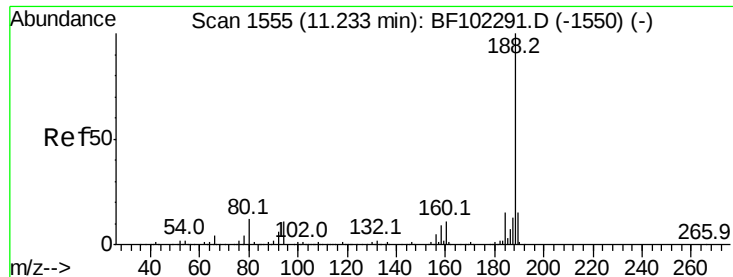
Tgt Ion:163 Resp: 178252

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.1	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

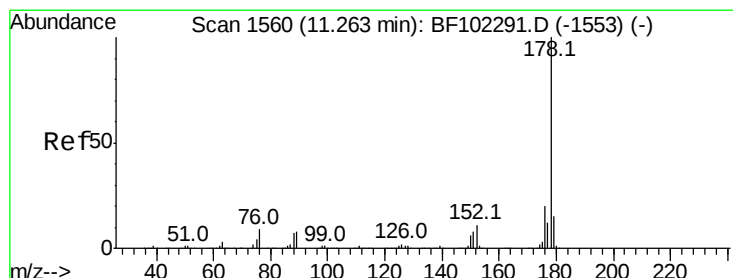
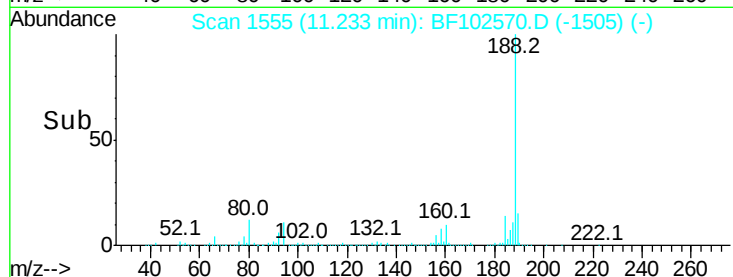
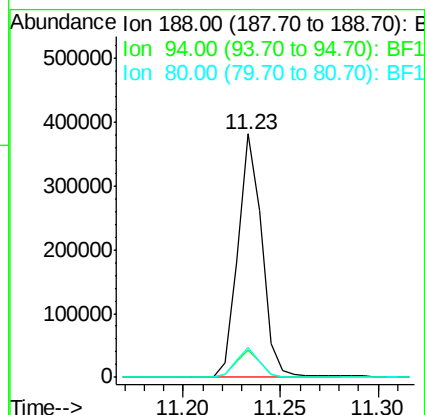
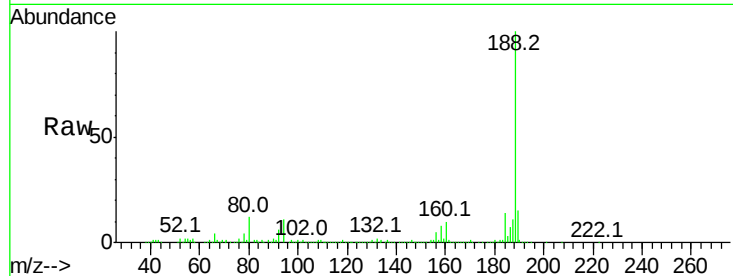




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

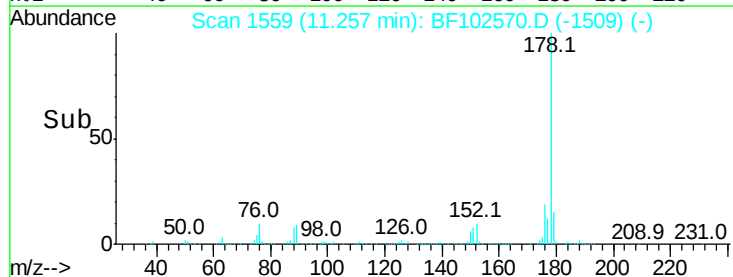
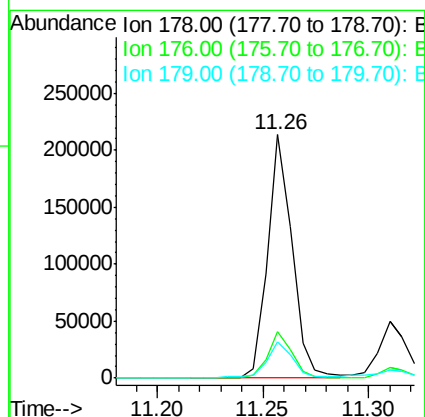
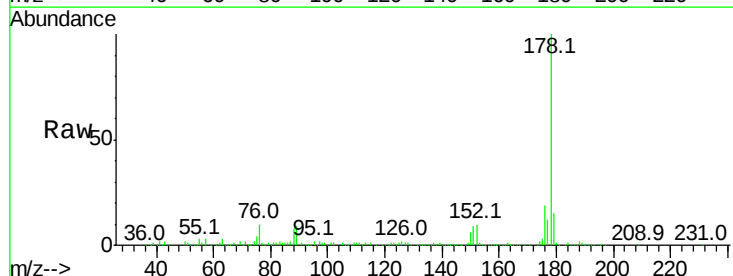
Instrument :
BNA_F
ClientSampled :

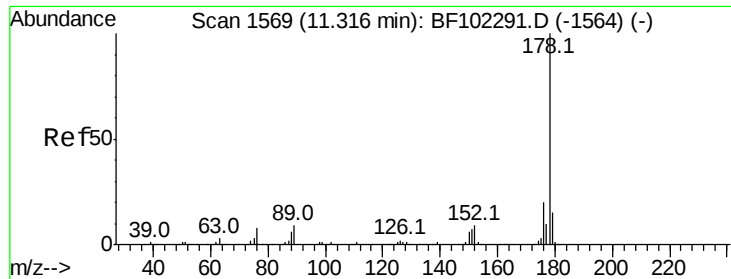
Tot Ion:188 Resp: 326584
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.2 9.2 13.8



#70
Phenanthrene
Concen: 9.108 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion:178 Resp: 173339
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.0 13.0 19.6

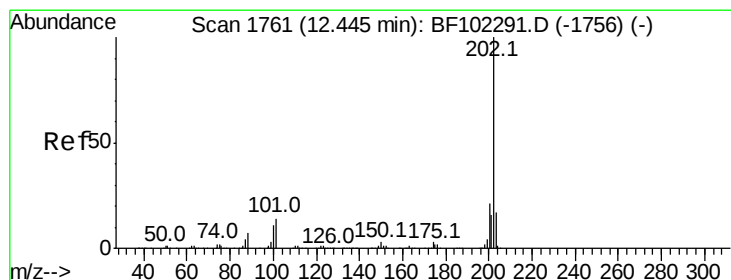
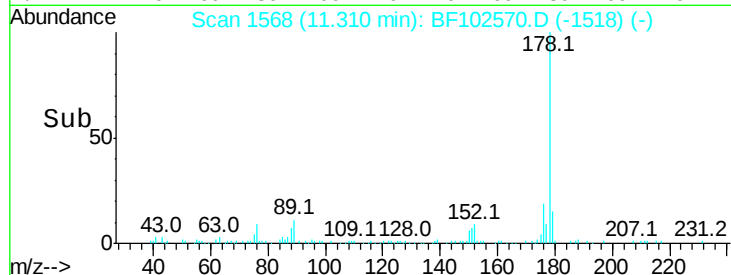
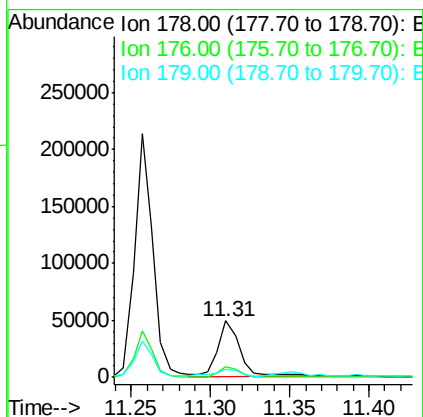
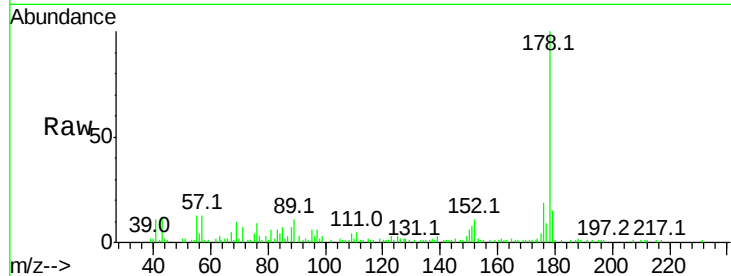




#71
 Anthracene
 Concen: 2.499 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

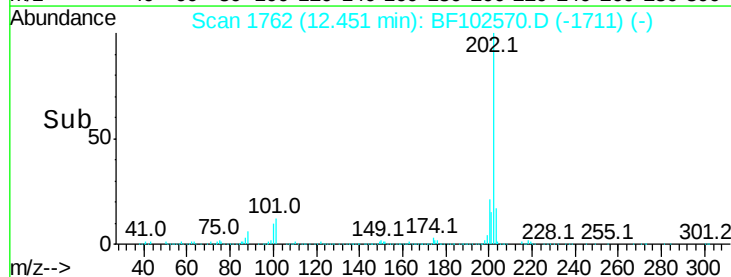
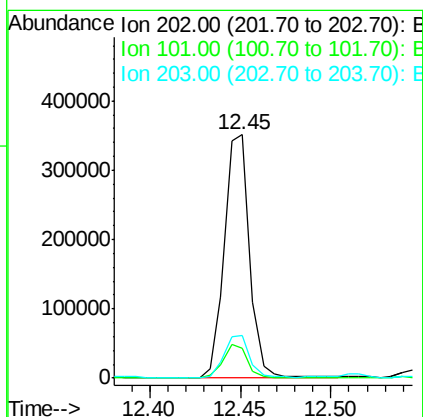
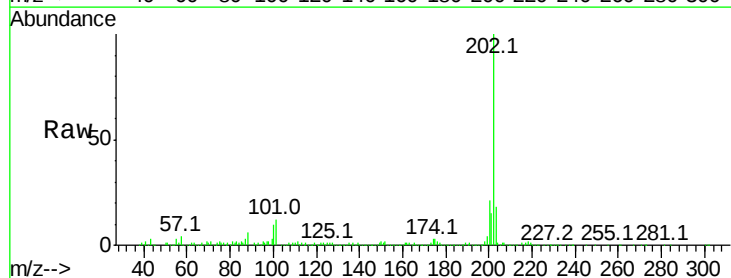
Instrument :
 BNA_F
 ClientSampleId :

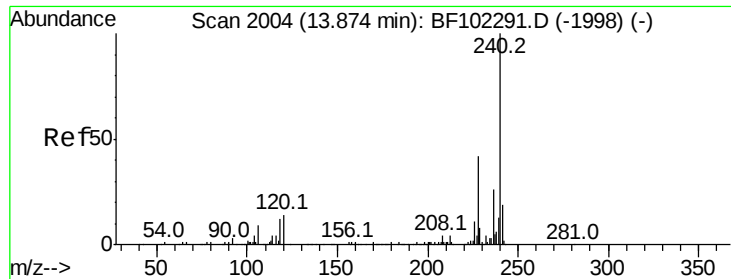
Tot Ion:178 Resp: 48550
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 17.557 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tgt Ion:202 Resp: 340733
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

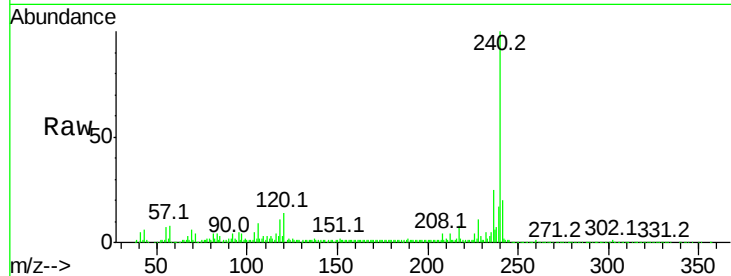
Tot Ion:240 Resp: 263280

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

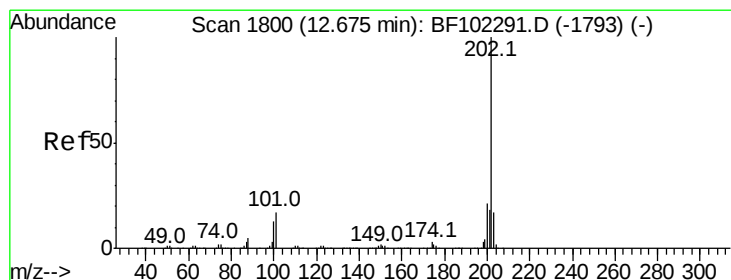
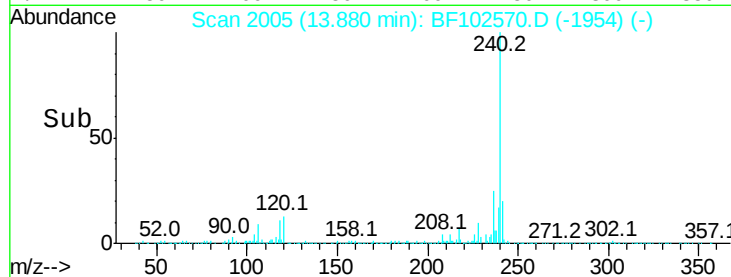
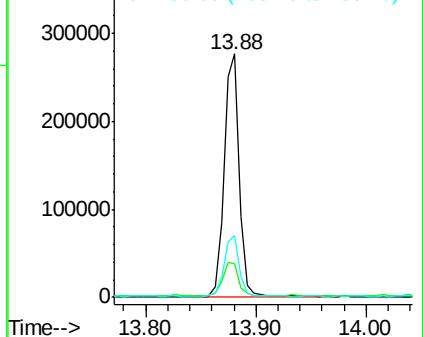
236 25.3 20.7 31.1



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

Pyrene

Concen: 15.091 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

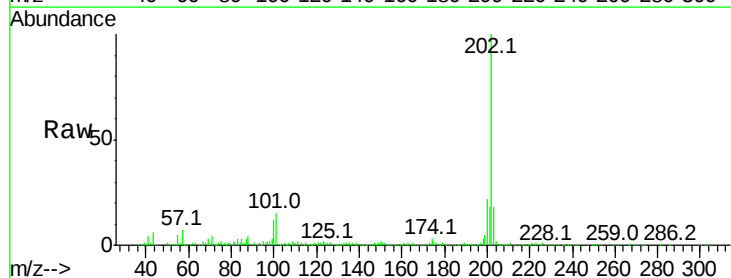
Tgt Ion:202 Resp: 307182

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

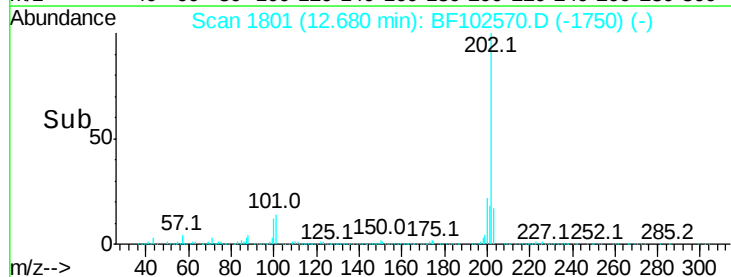
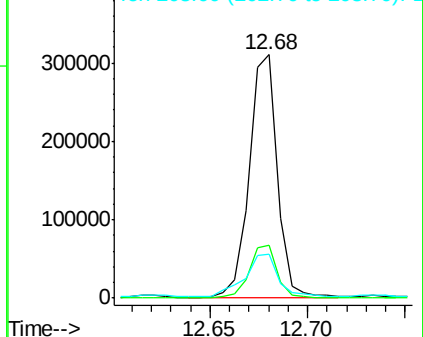
203 17.9 14.3 21.5

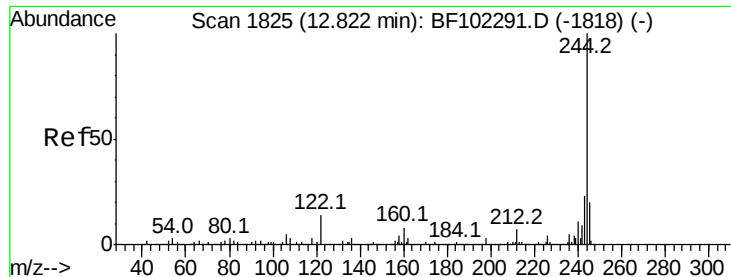


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.125 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

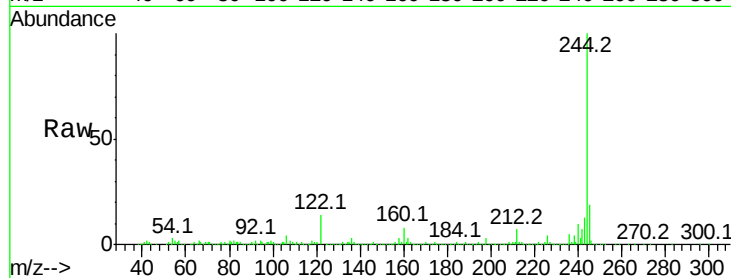
Tot Ion:244 Resp: 772260

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

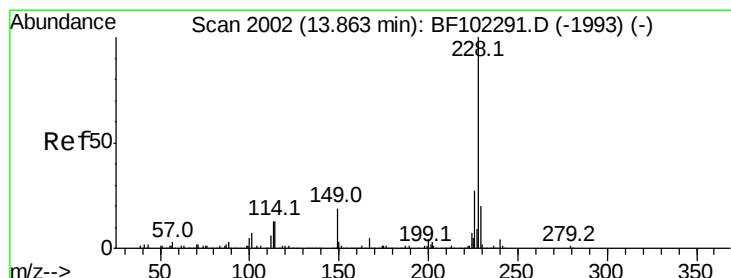
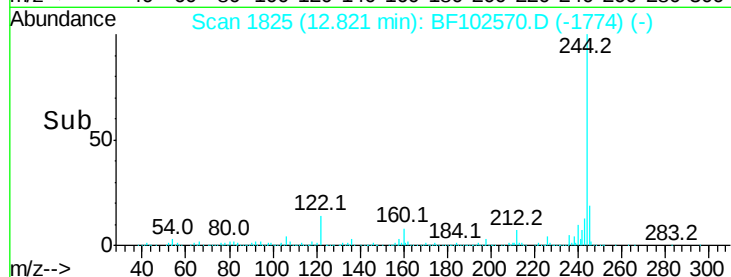
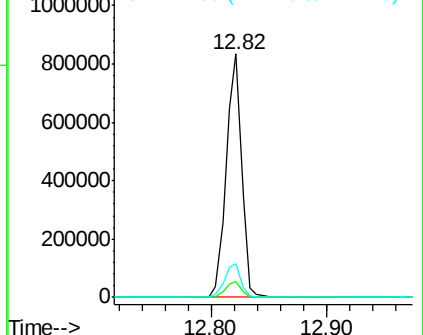
122 13.8 11.0 16.4



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: 10.232 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

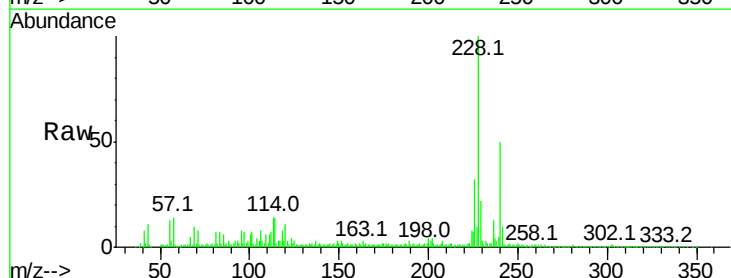
Tgt Ion:228 Resp: 165857

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

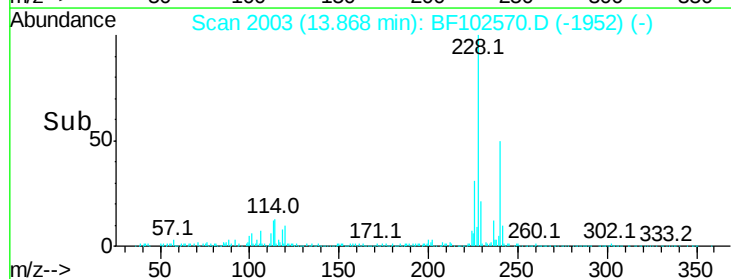
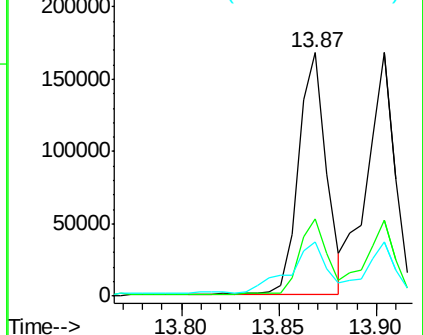
229 22.3 15.8 23.6

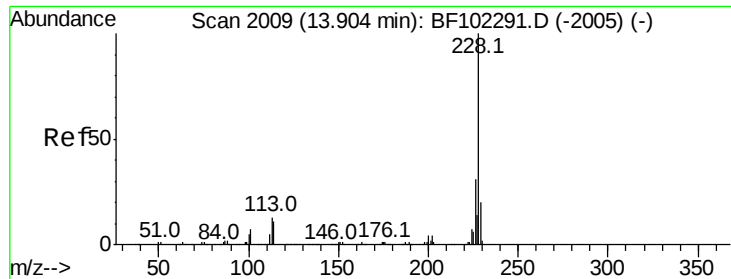


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.158 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102570.D

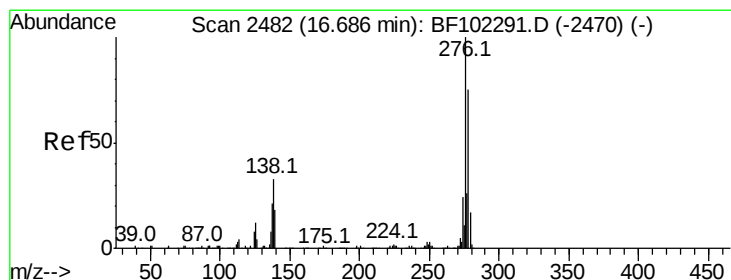
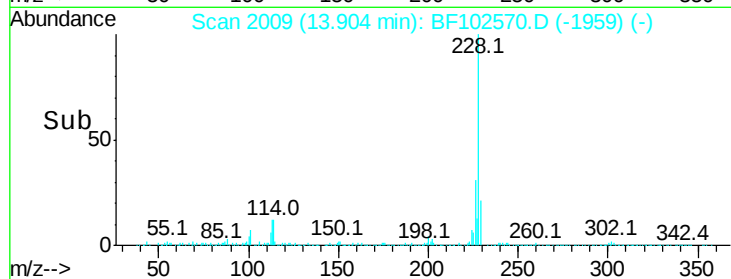
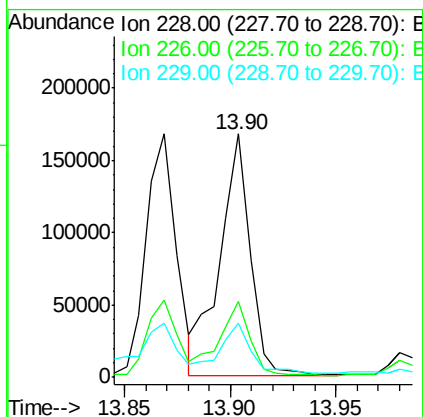
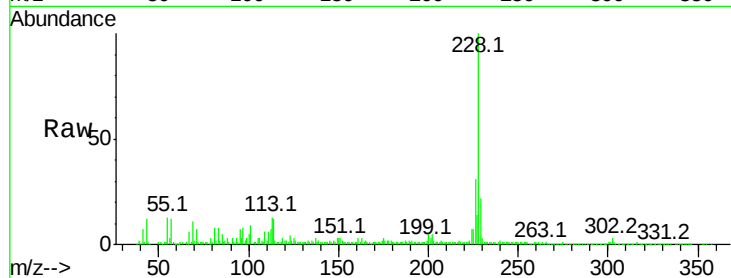
Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	167203
Ion	Ratio	Lower Upper
228	100	
226	31.2	25.0 37.6
229	22.1	16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.166 ng

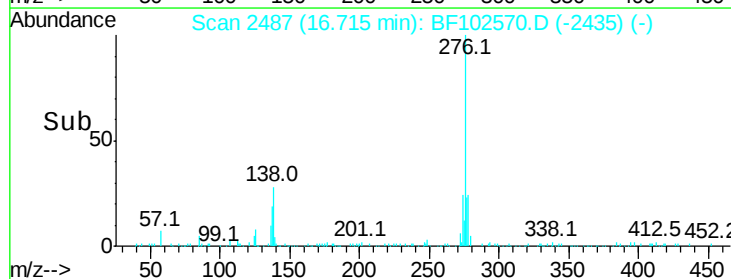
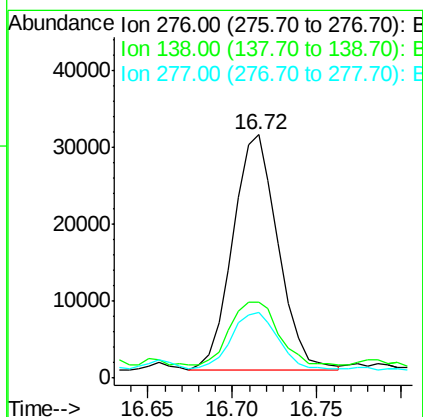
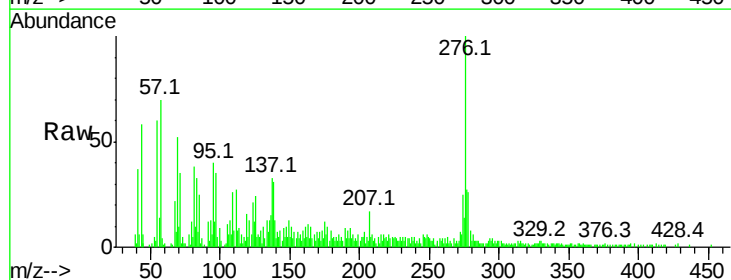
RT: 16.72 min Scan# 2487

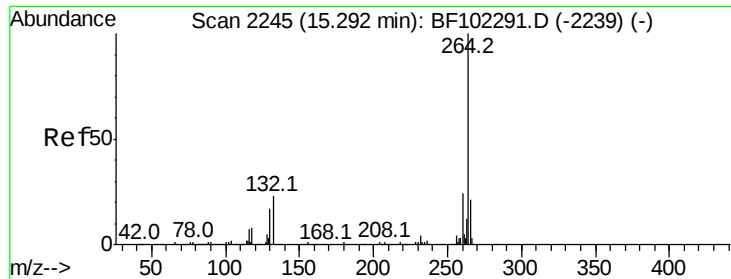
Delta R.T. 0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Tgt Ion:276	Resp:	56639
Ion	Ratio	Lower Upper
276	100	
138	28.2	25.0 37.6
277	24.8	20.1 30.1

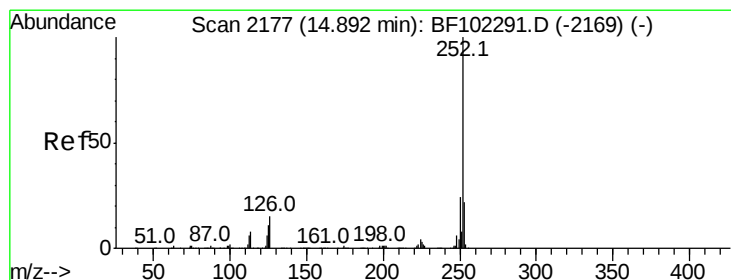
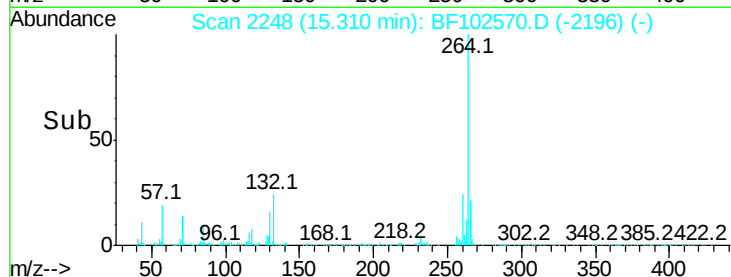
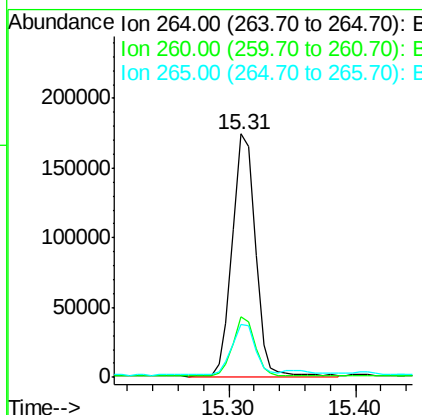
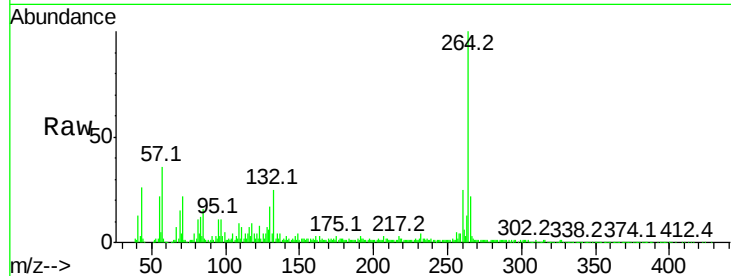




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

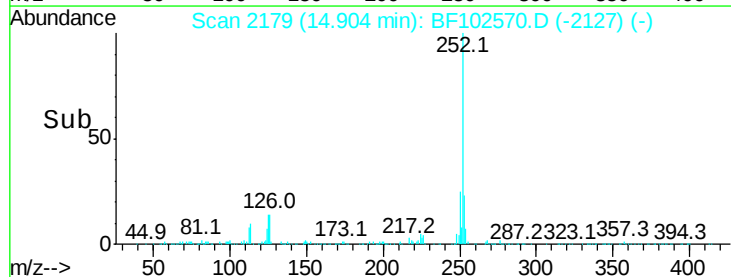
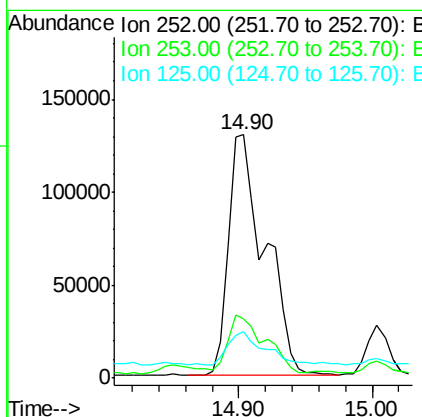
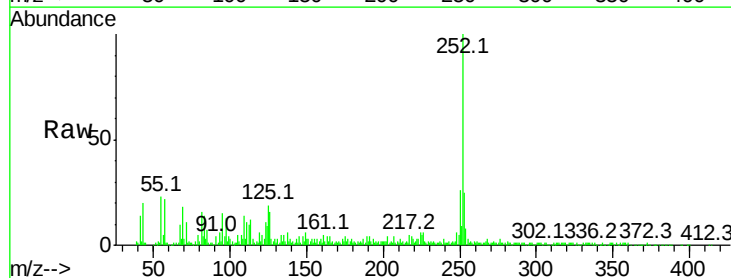
Instrument :
BNA_F
ClientSampleId :

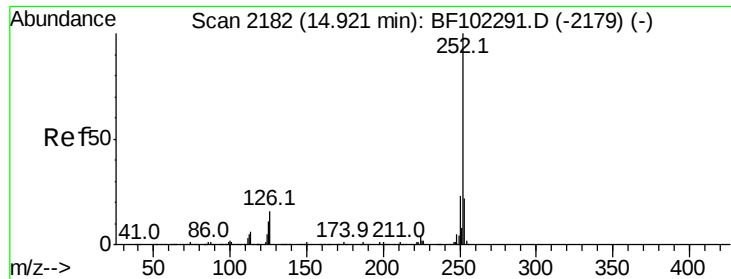
Tot Ion:264 Resp: 219427
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 17.379 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion:252 Resp: 247163
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 18.9 9.0 13.6#

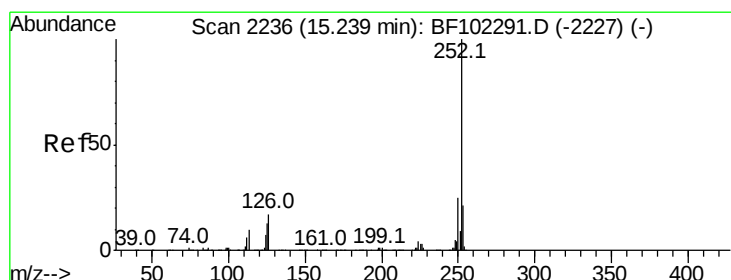
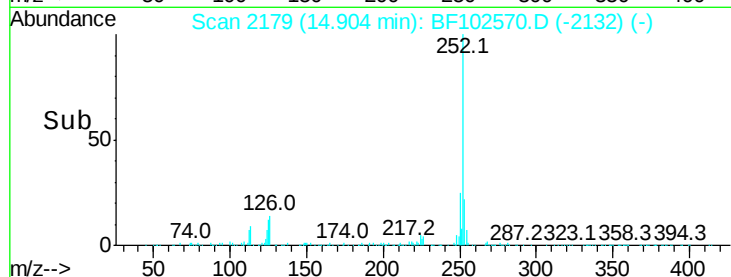
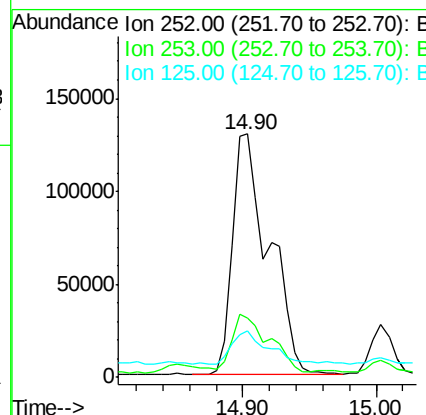
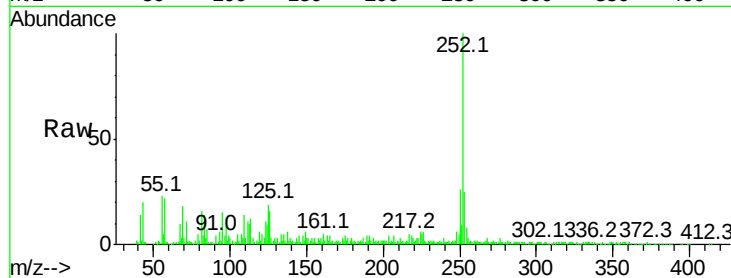




#88
Benzo(k)fluoranthene
Concen: 18.394 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

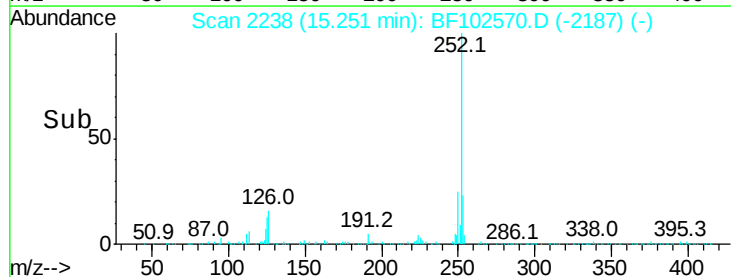
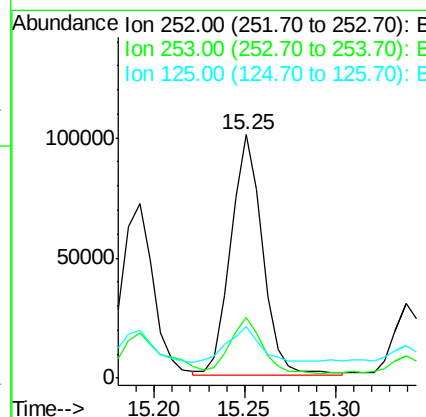
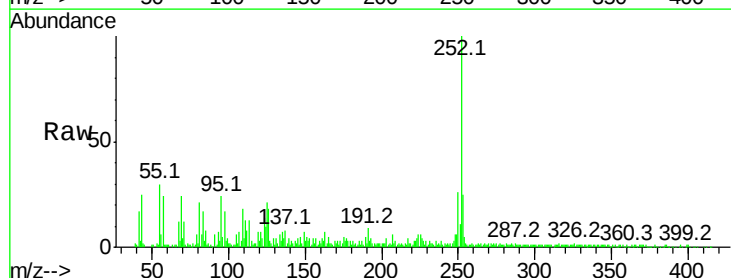
Instrument :
BNA_F
ClientSampleId :

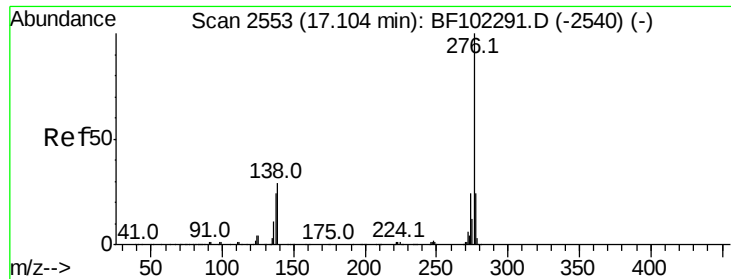
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	18.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.462 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	21.0	9.8	14.6

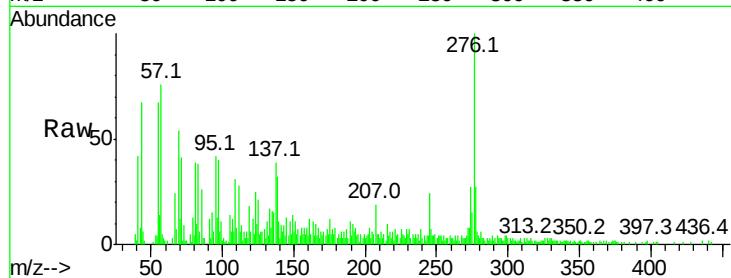




#91
 Benzo(a,h,i)perylene
 Concen: 5.209 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.4	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

