

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102473.D
 Acq On : 26 Jan 2018 17:21
 Operator : SJ/JU
 Sample : J1020-15 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 18:31:25 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	155952	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	645911	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	275965	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	412510	20.00	ng	0.00
75) Chrysene-d12	13.89	240	300420	20.00	ng	0.00
86) Perylene-d12	15.32	264	228974	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	247690	24.08	ng	0.00
7) Phenol-d6	6.36	99	306878	24.75	ng	0.00
23) Nitrobenzene-d5	7.28	82	135527	12.06	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	37889	13.86	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	311946	16.62	ng	0.00
78) Terphenyl-d14	12.83	244	212242	15.93	ng	0.00

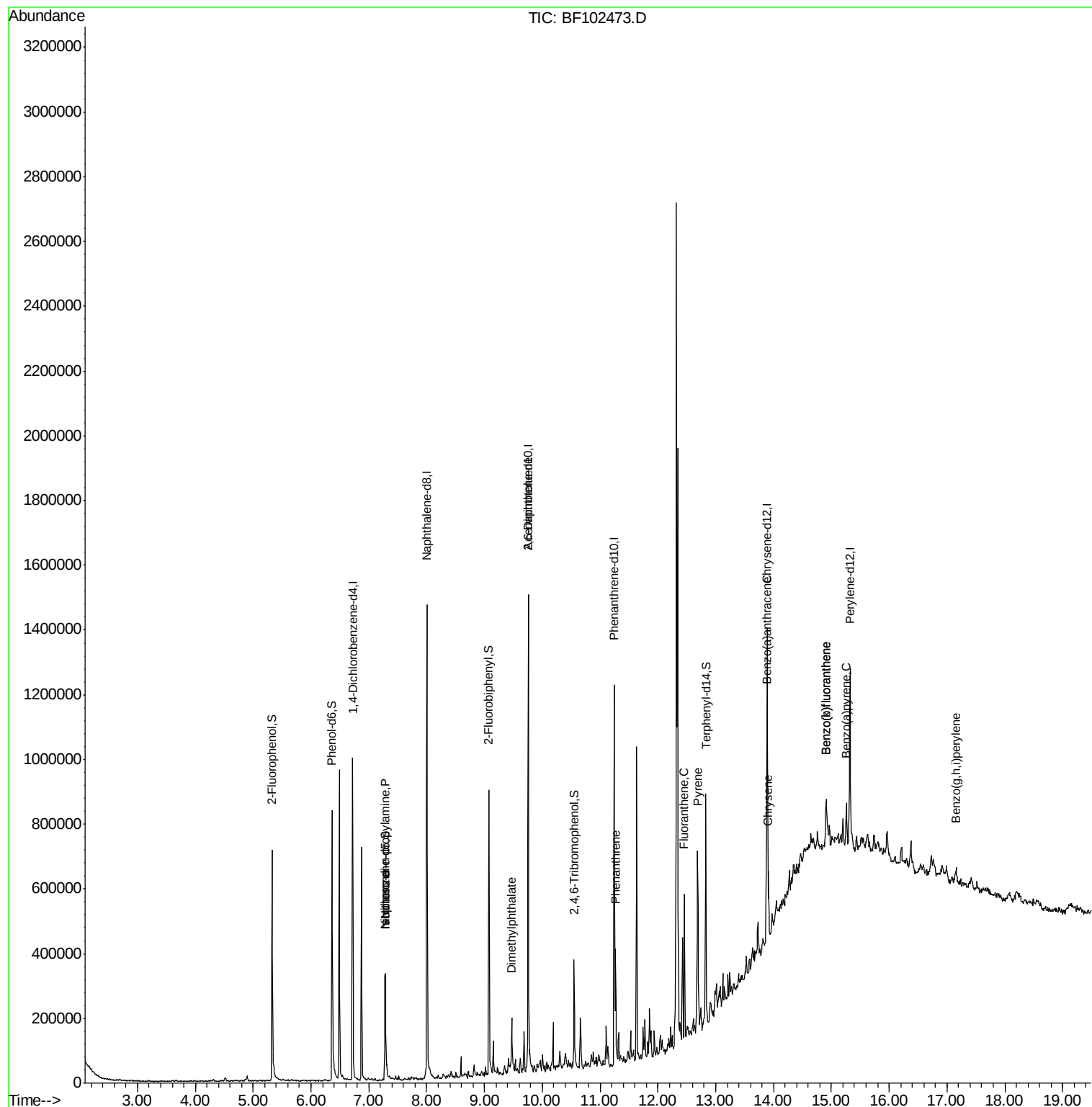
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	18321	2.414	ng	# 77
25) Isophorone	7.28	82	135526	6.764	ng	# 64
49) Dimethylphthalate	9.47	163	54376	2.384	ng	# 99
50) 2,6-Dinitrotoluene	9.76	165	36065	7.333	ng	# 25
70) Phenanthrene	11.27	178	114775	4.775	ng	# 98
74) Fluoranthene	12.46	202	170049	6.937	ng	# 98
77) Pyrene	12.69	202	215701	9.286	ng	# 97
80) Benzo(a)anthracene	13.87	228	83520	4.516	ng	# 98
82) Chrysene	13.91	228	82980	4.418	ng	# 99
87) Benzo(b)fluoranthene	14.91	252	91939	6.195	ng	# 72
88) Benzo(k)fluoranthene	14.91	252	91939	6.557	ng	# 75
89) Benzo(a)pyrene	15.26	252	53190	3.974	ng	# 82
91) Benzo(a,h,i)perylene	17.16	276	28474	2.660	ng	# 87

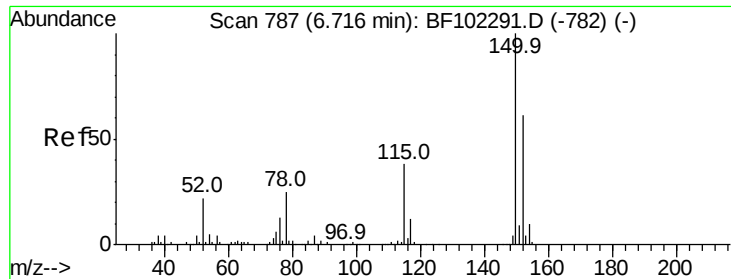
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102473.D
Acq On : 26 Jan 2018 17:21
Operator : SJ/JU
Sample : J1020-15 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 26 18:31:25 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



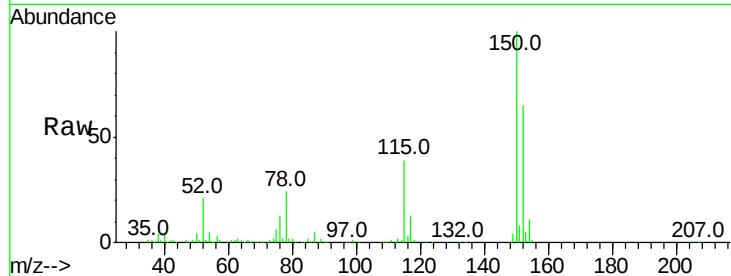


#1

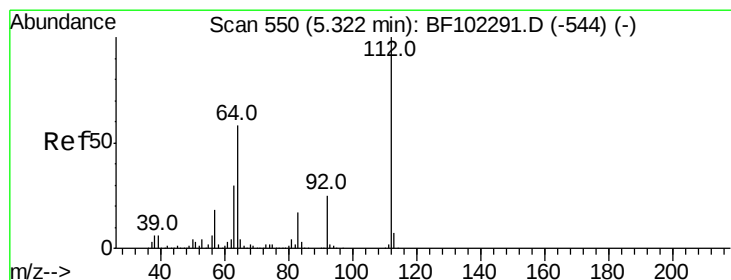
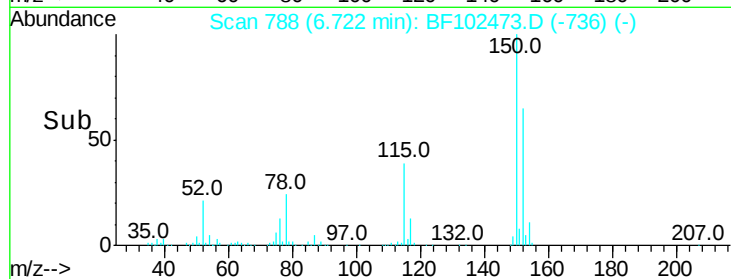
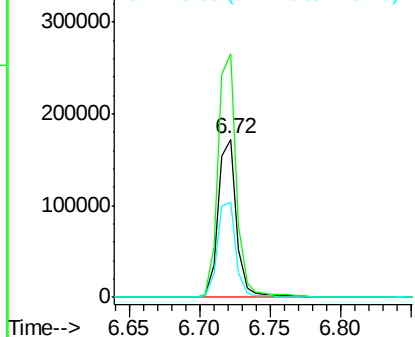
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155952
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 59.8 50.1 75.1



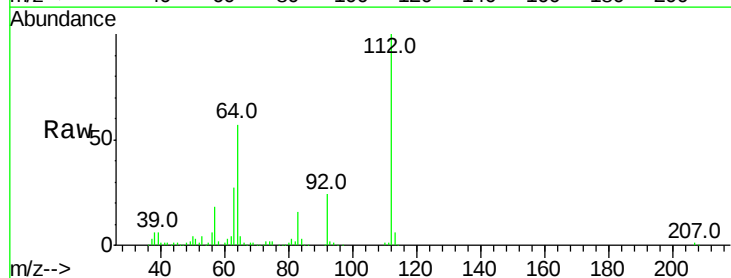
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



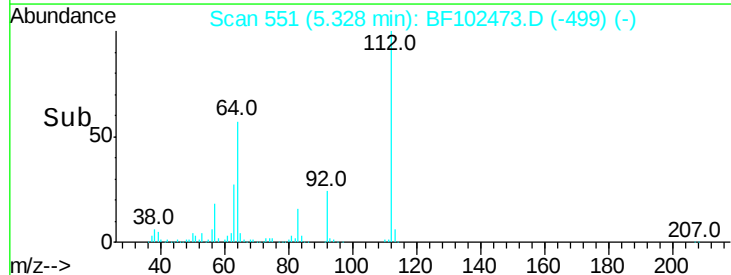
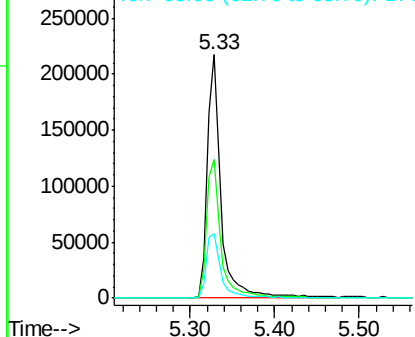
#5

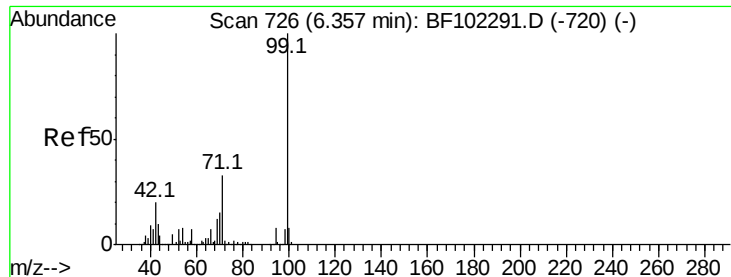
2-Fluorophenol
Concen: 24.082 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion:112 Resp: 247690
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 26.7 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: 24.748 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

ClientSampleId :

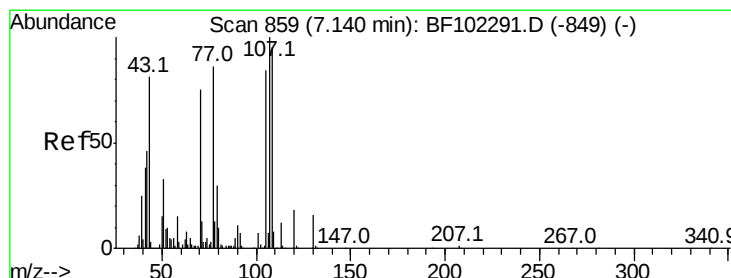
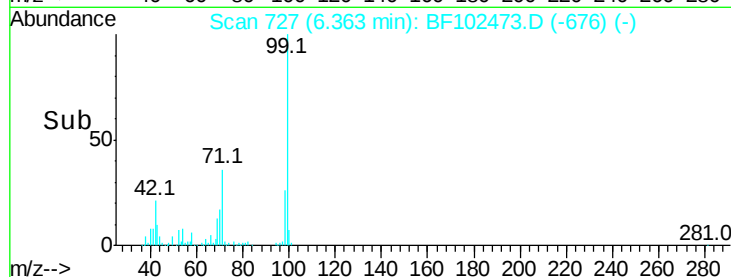
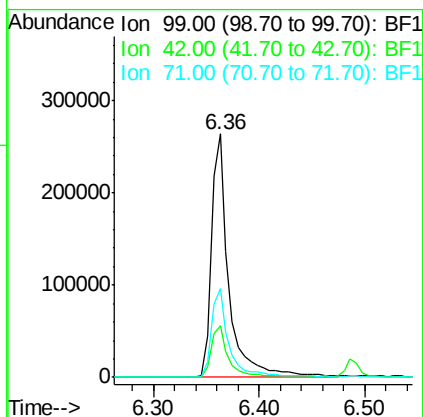
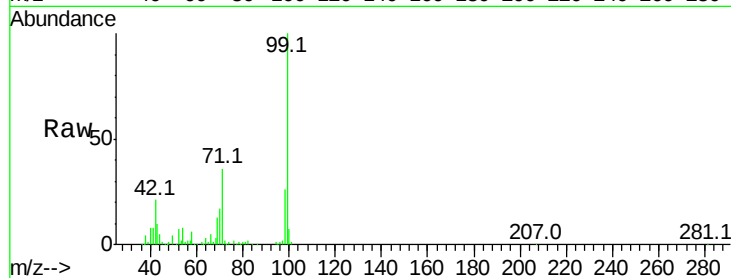
Tot Ion: 99 Resp: 306878

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

71 36.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.414 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Tgt Ion: 70 Resp: 18321

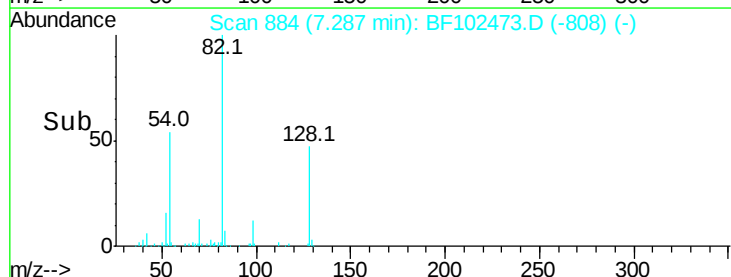
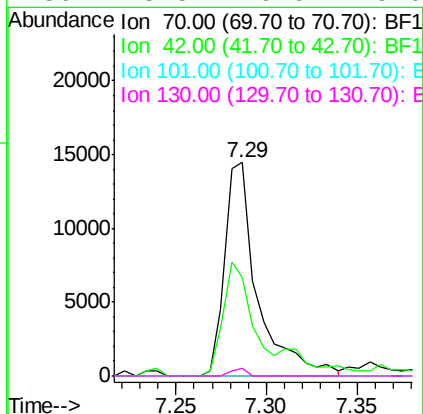
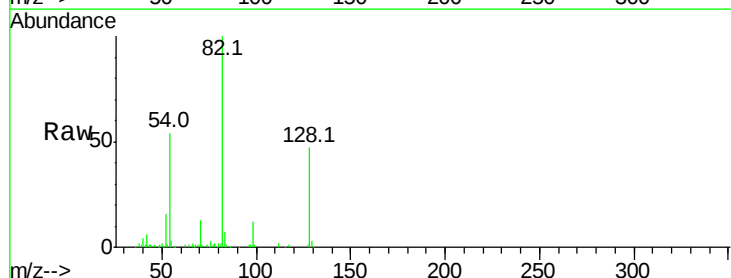
Ion Ratio Lower Upper

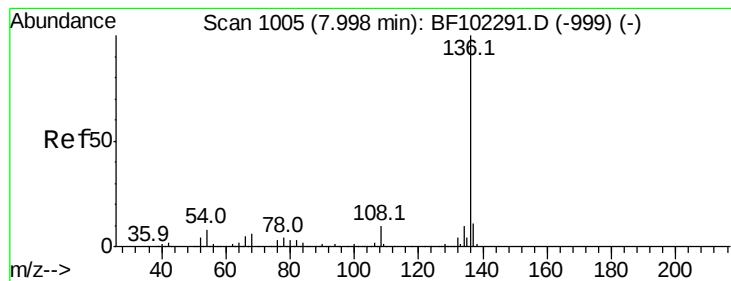
70 100

42 46.1 47.5 71.3#

101 0.0 7.4 11.2#

130 3.5 16.6 25.0#

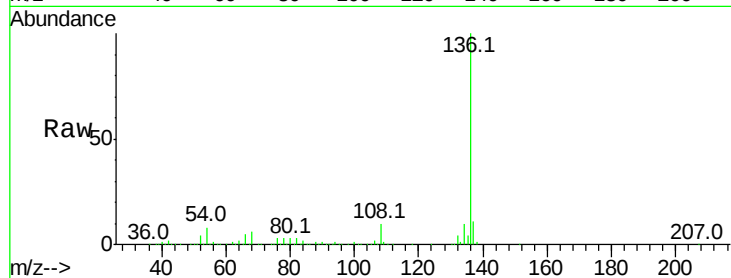




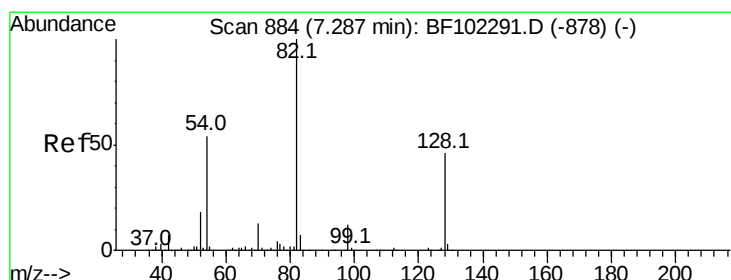
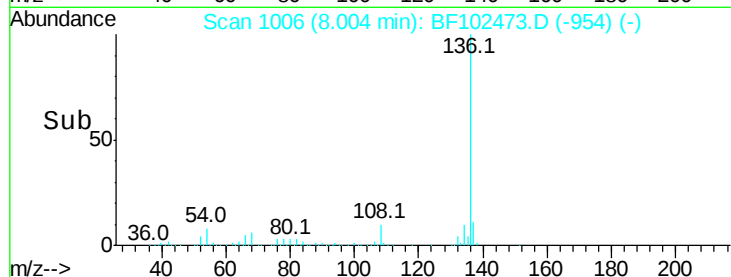
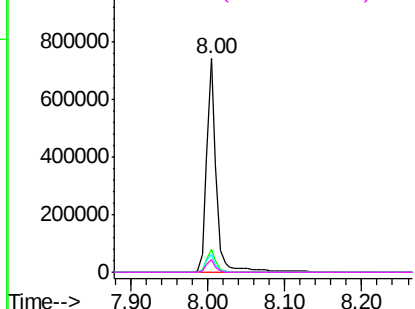
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp: 645911
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 8.3	6.6 9.8
68 5.8	5.0 7.4

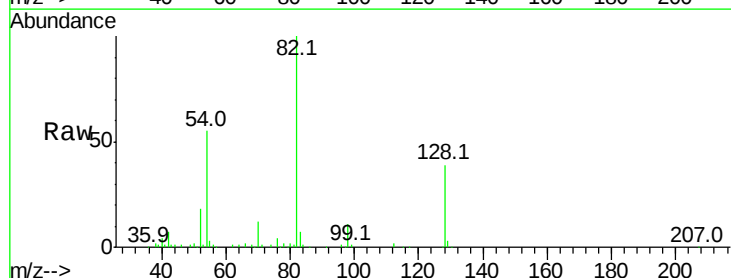


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

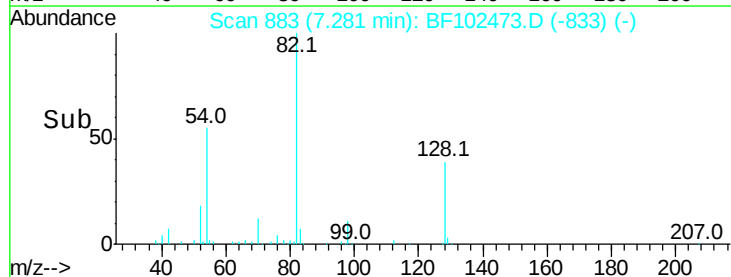
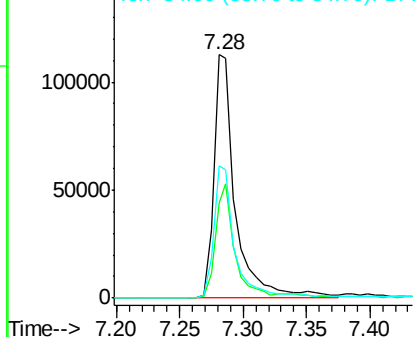


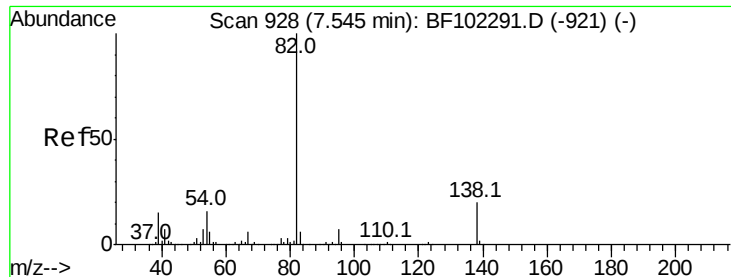
#23
Nitrobenzene-d5
Concen: 12.058 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt	Ion: 82	Resp:	135527
Ion	Ratio	Lower	Upper
82	100		
128	39.3	36.1	54.1
54	54.5	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: 6.764 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

ClientSampleId :

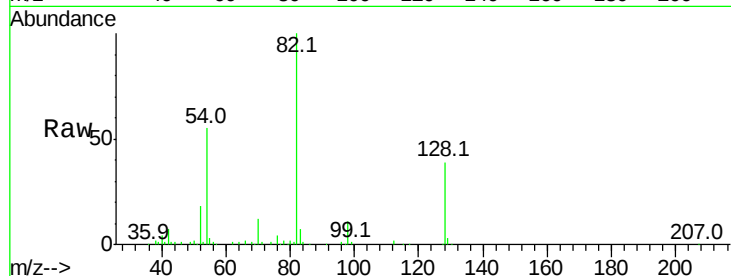
Tot Ion: 82 Resp: 135526

Ion Ratio Lower Upper

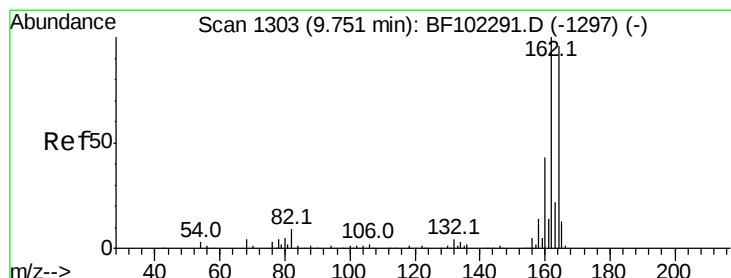
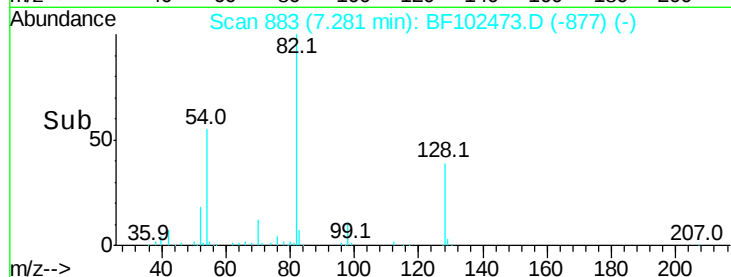
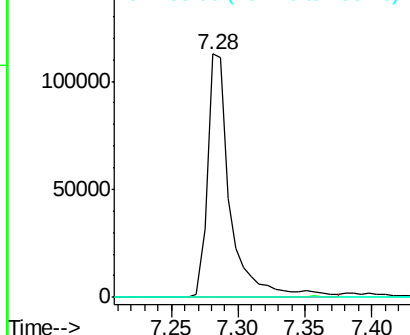
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

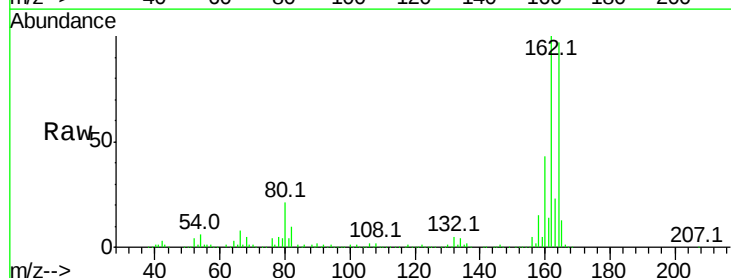
Tgt Ion:164 Resp: 275965

Ion Ratio Lower Upper

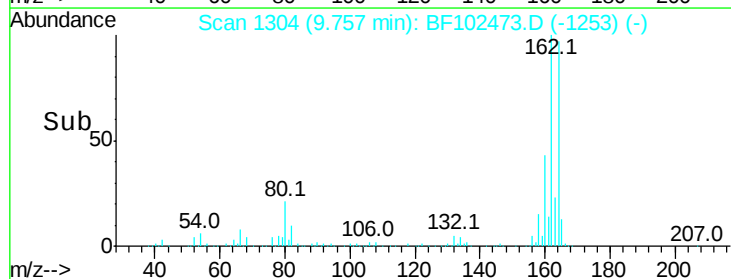
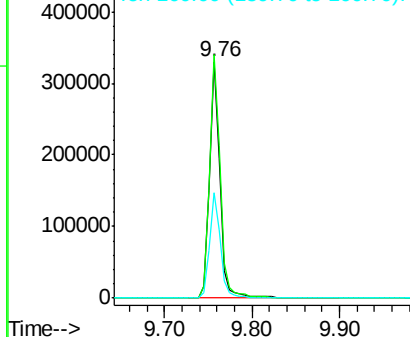
164 100

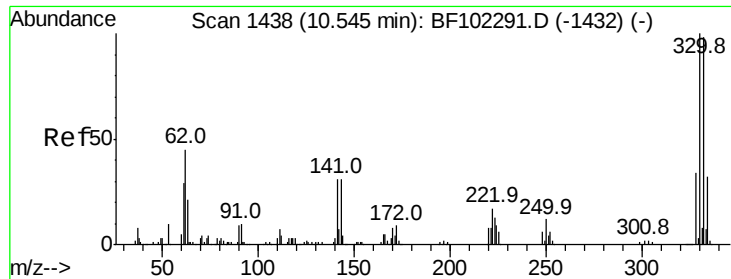
162 103.1 86.1 129.1

160 44.4 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: 13.856 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

ClientSampleId :

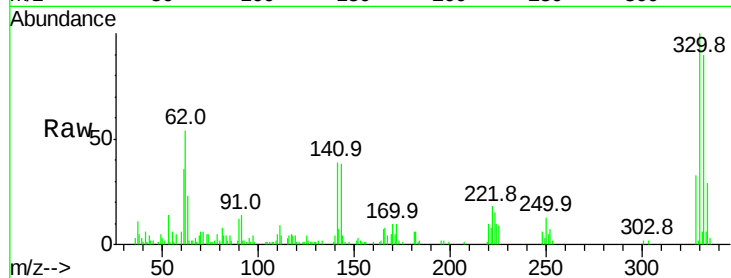
Tot Ion:330 Resp: 37889

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

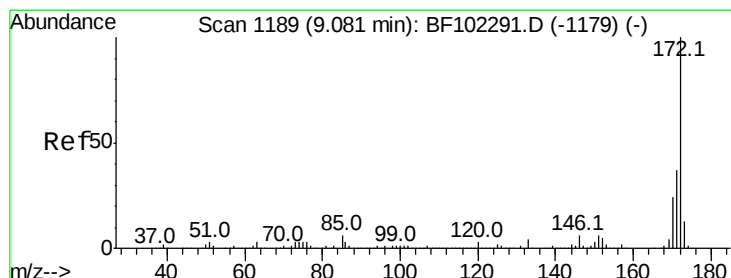
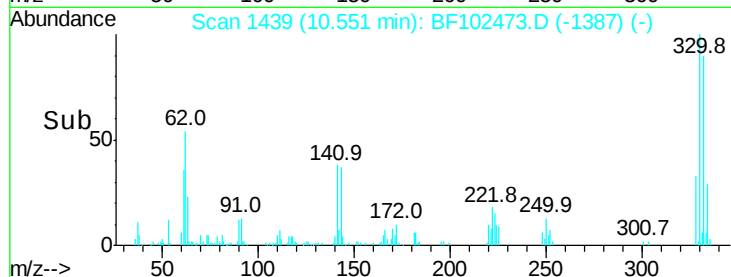
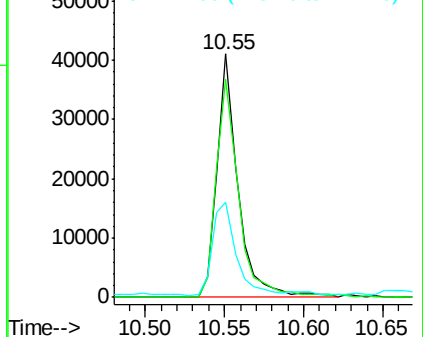
141 43.0 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 16.621 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

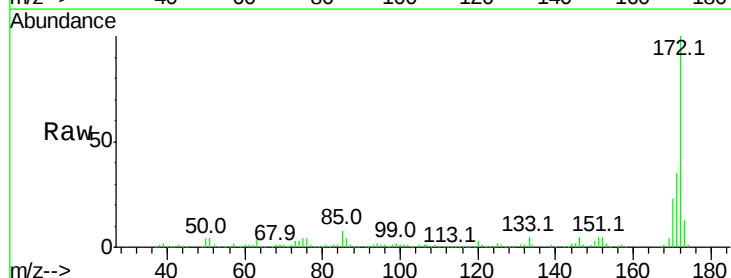
Tgt Ion:172 Resp: 311946

Ion Ratio Lower Upper

172 100

171 35.1 29.7 44.5

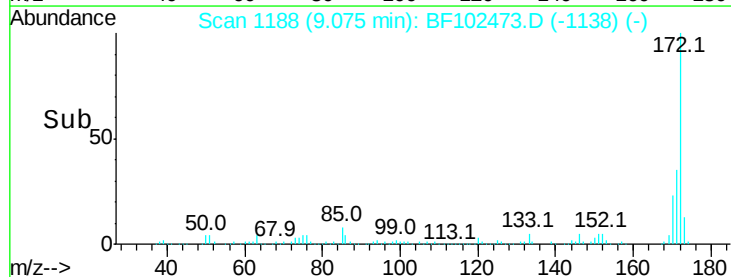
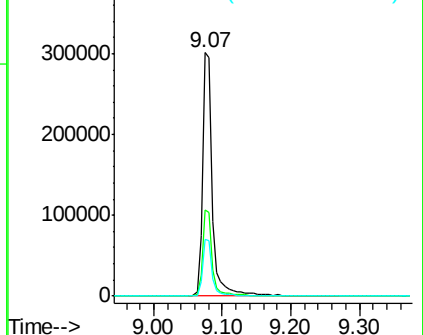
170 23.3 19.6 29.4

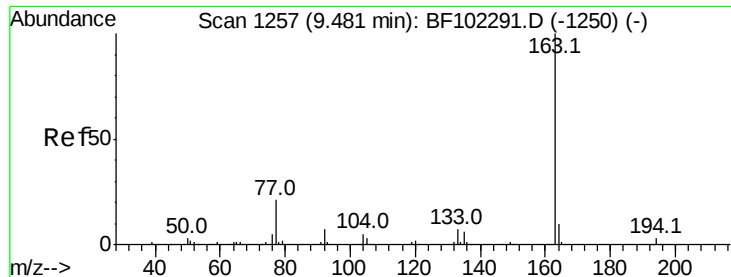


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

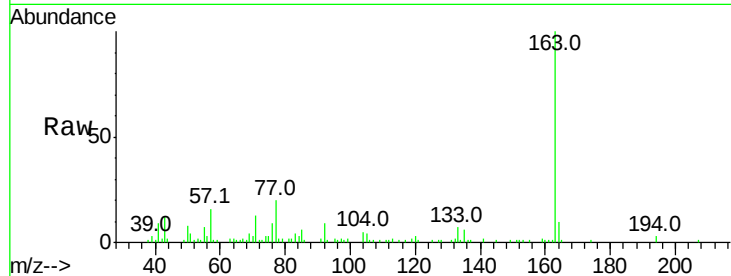




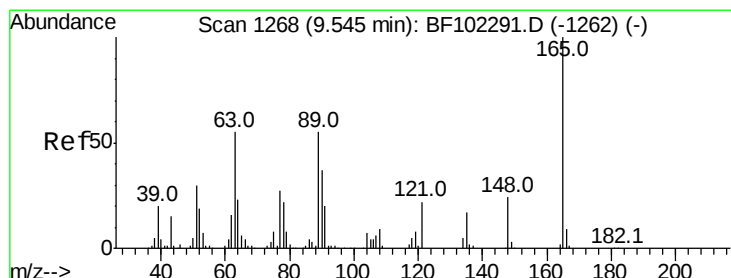
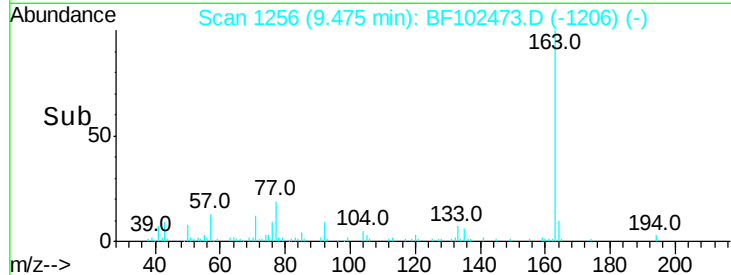
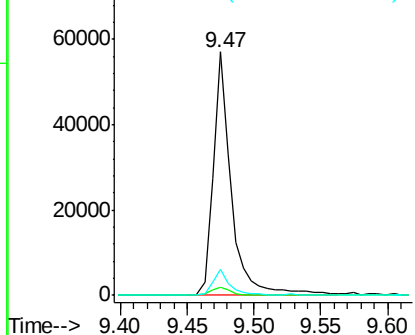
#49
Dimethylphthalate
Concen: 2.384 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 54376
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2

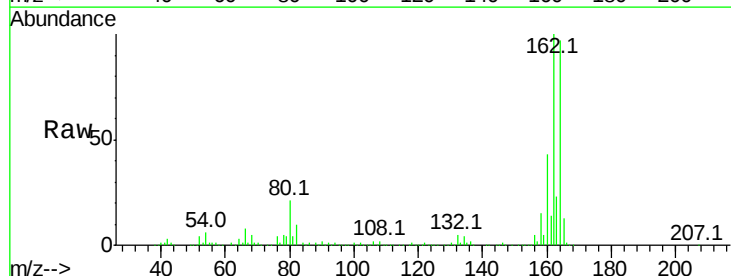


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

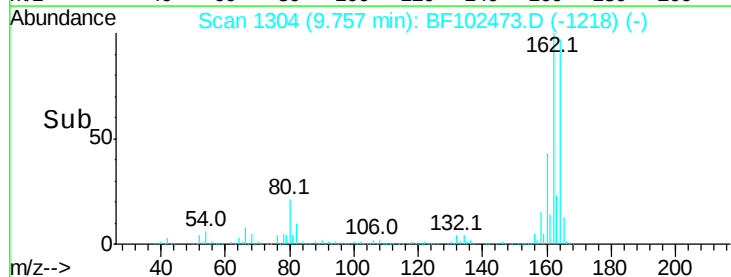
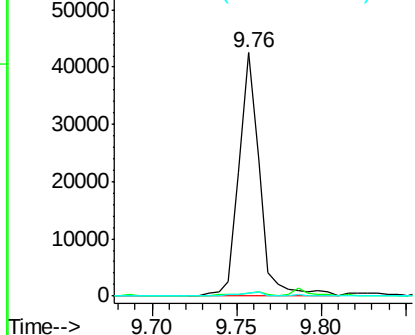


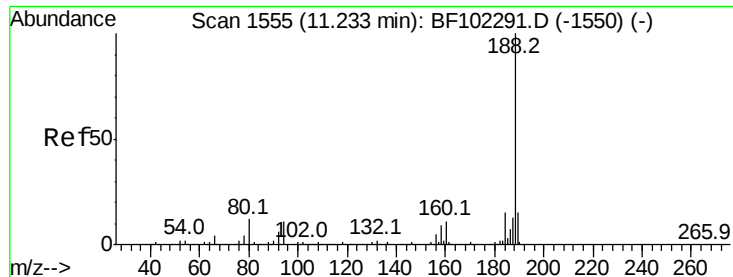
#50
2,6-Dinitrotoluene
Concen: 7.333 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion:165 Resp: 36065
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

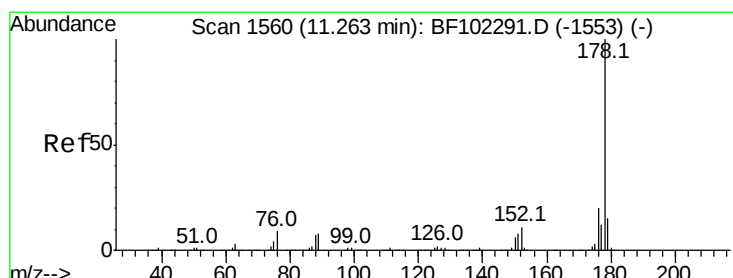
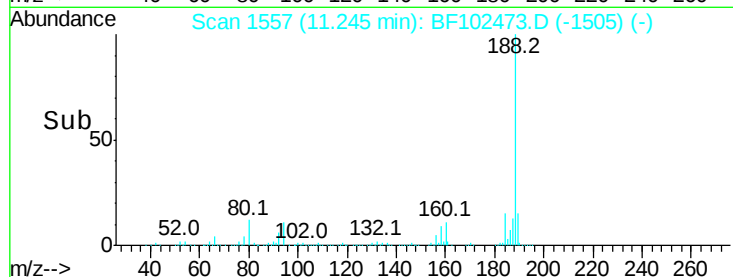
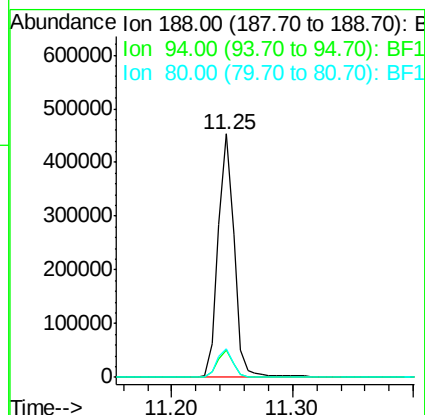
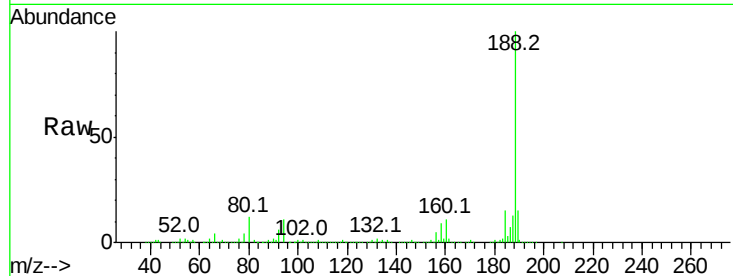




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

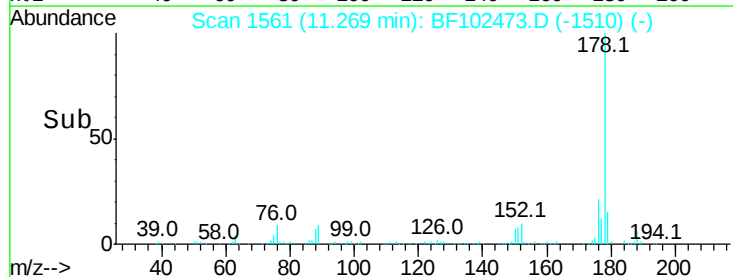
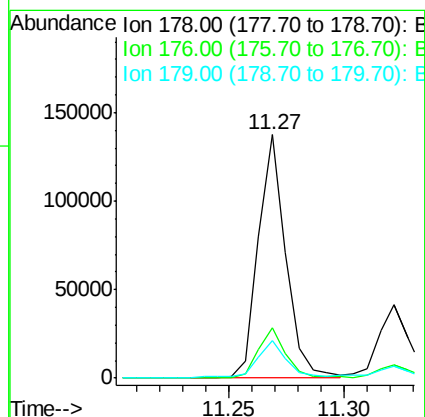
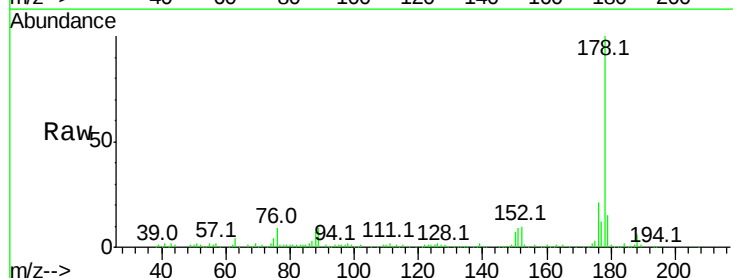
Instrument :
BNA_F
ClientSampleId :

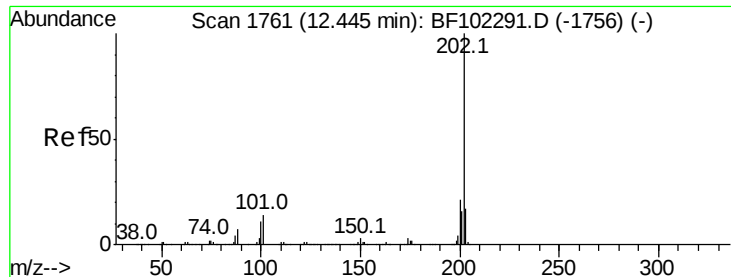
Tot Ion:188 Resp: 412510
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.9 9.2 13.8



#70
Phenanthrene
Concen: 4.775 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion:178 Resp: 114775
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 15.2 13.0 19.6





#74

Fluoranthene

Concen: 6.937 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

ClientSampleId :

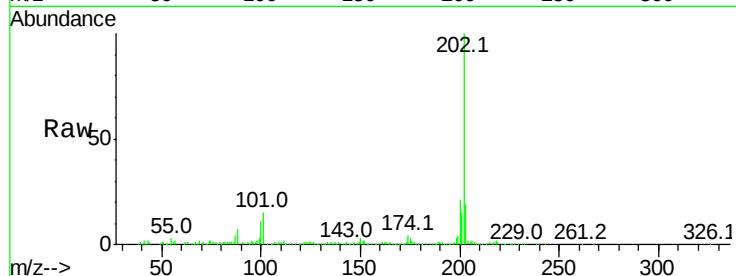
Tot Ion:202 Resp: 170049

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

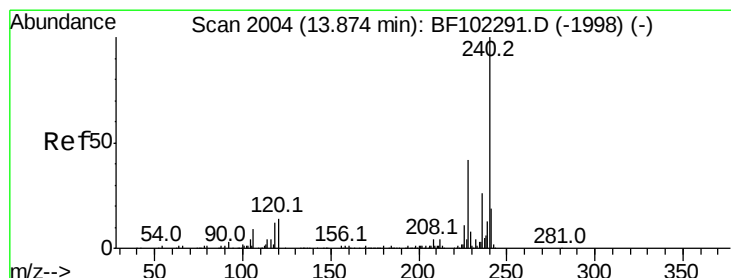
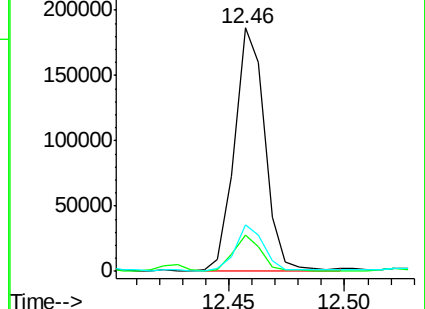
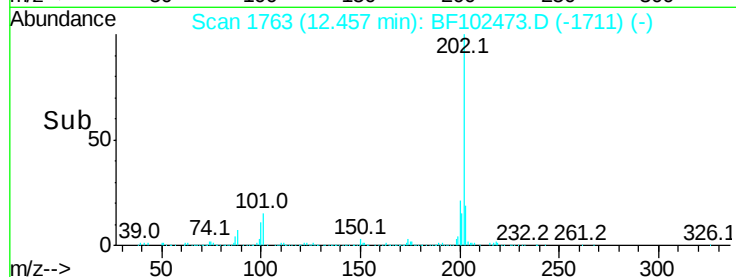
203 19.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

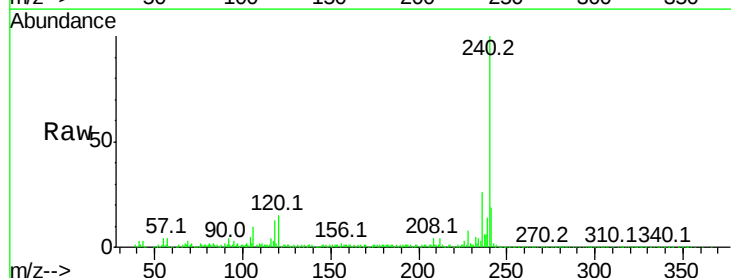
Tgt Ion:240 Resp: 300420

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

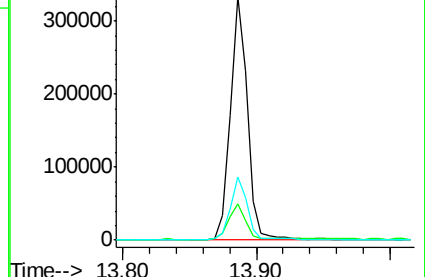
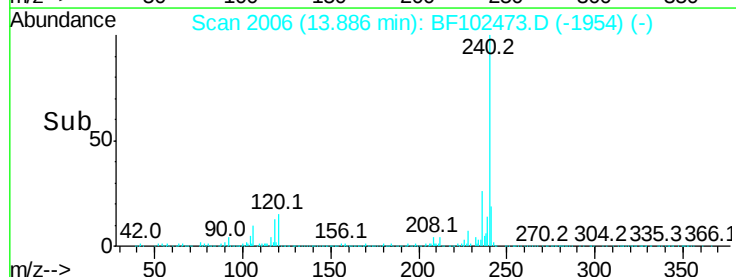
236 25.8 20.7 31.1

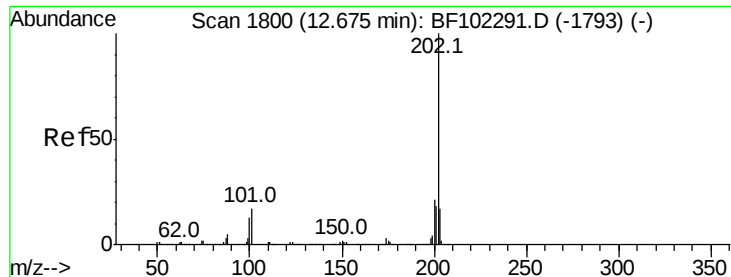


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

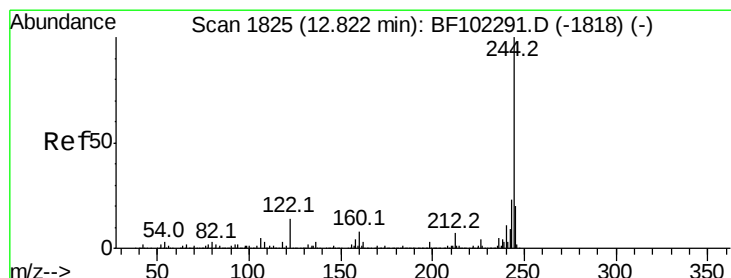
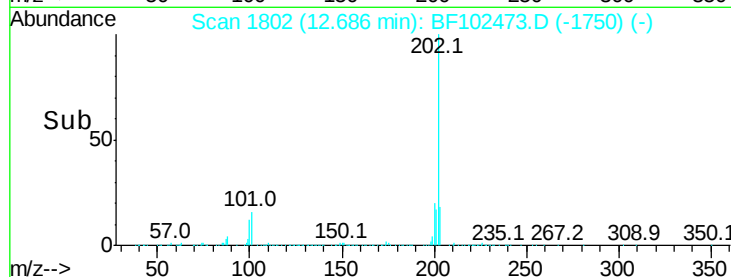
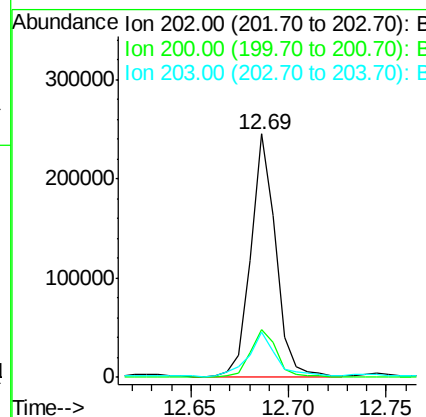
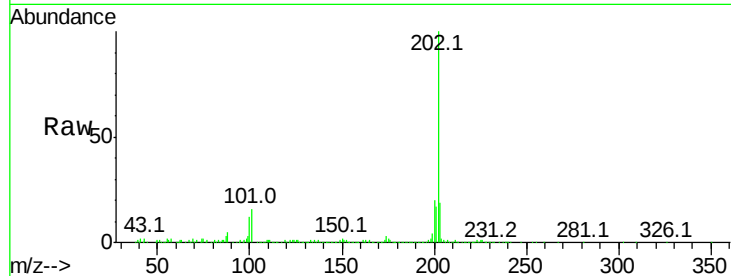




#77
Pvrene
Concen: 9.286 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

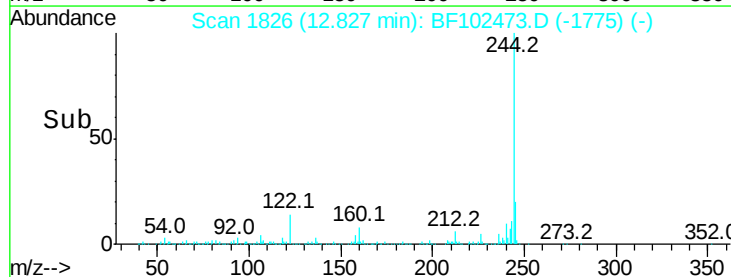
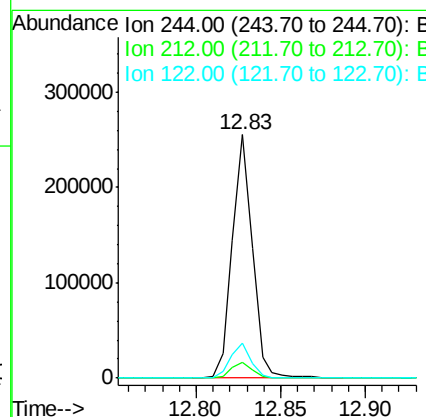
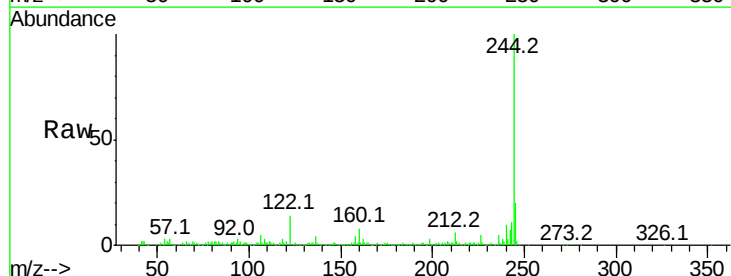
Instrument :
BNA_F
ClientSampleId :

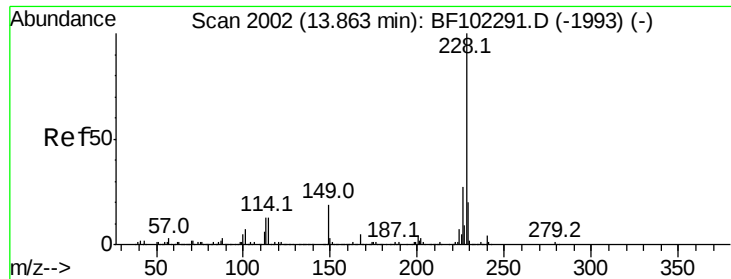
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.4	26.2
203	18.7	14.3	21.5



#78
Terphenyl-d14
Concen: 15.927 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	14.1	11.0	16.4

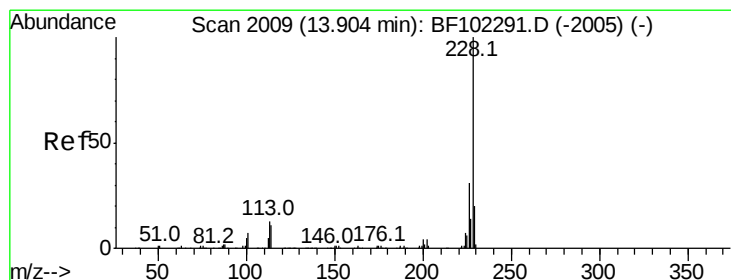
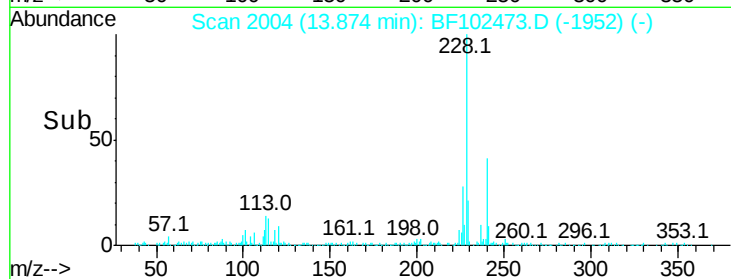
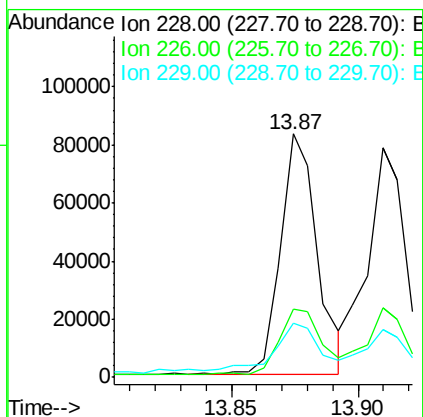
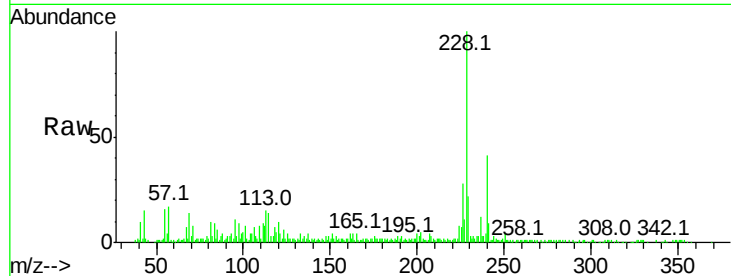




#80
Benzo(a)anthracene
Concen: 4.516 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

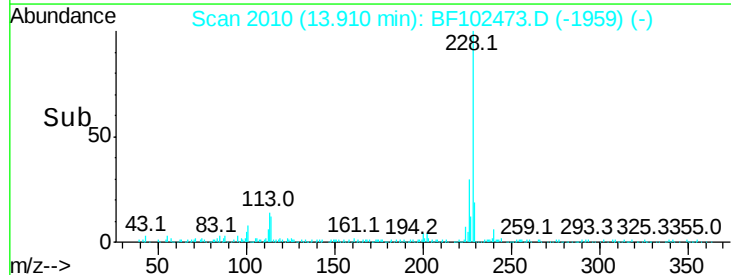
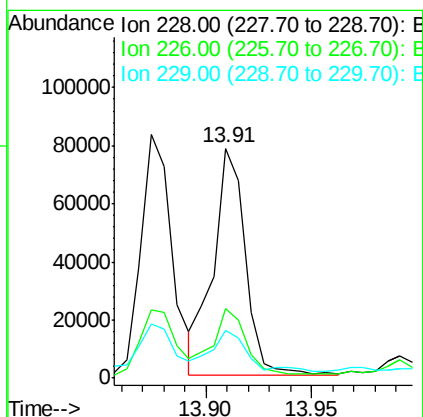
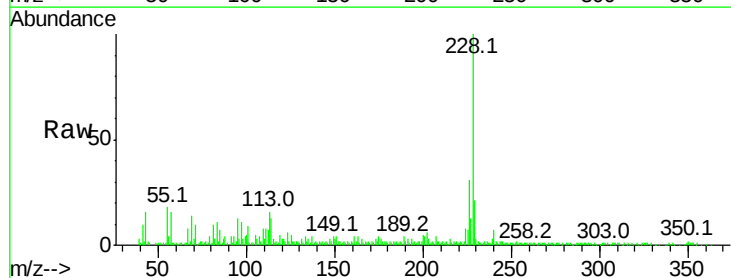
Instrument :
BNA_F
ClientSampleId :

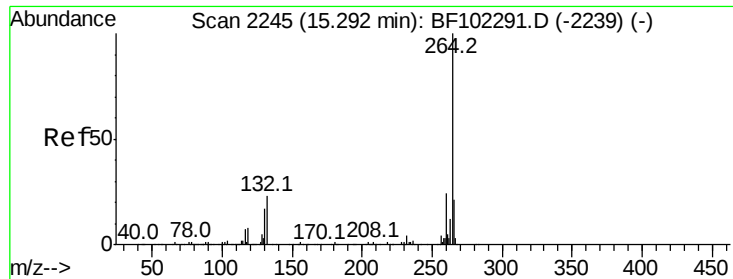
Tot Ion:228 Resp: 83520
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 22.1 15.8 23.6



#82
Chrysene
Concen: 4.418 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion:228 Resp: 82980
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 20.9 16.2 24.4

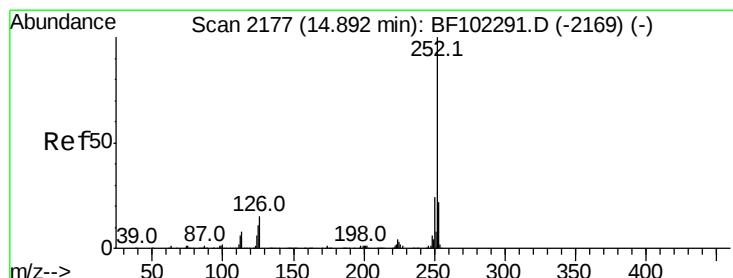
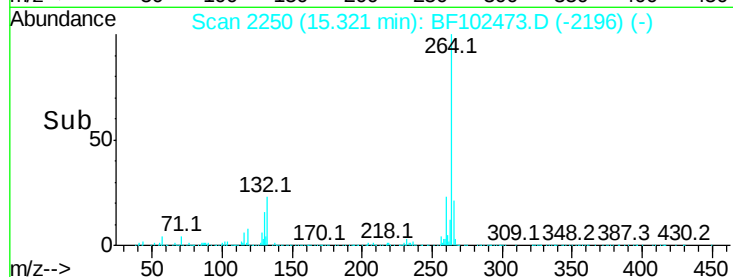
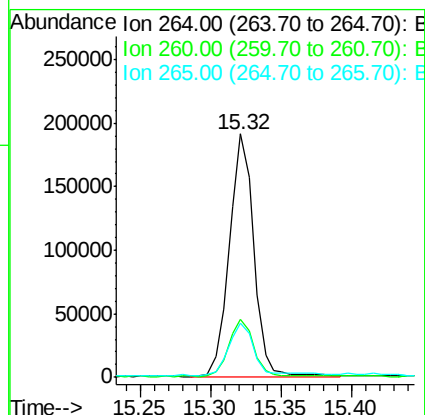
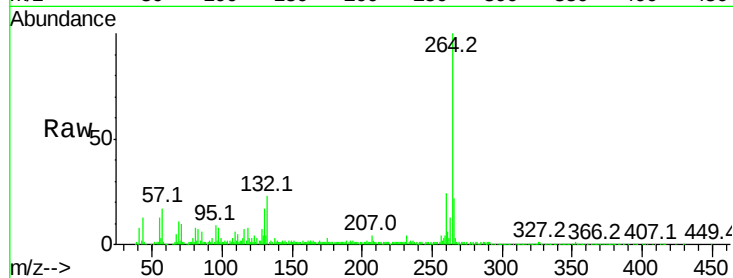




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

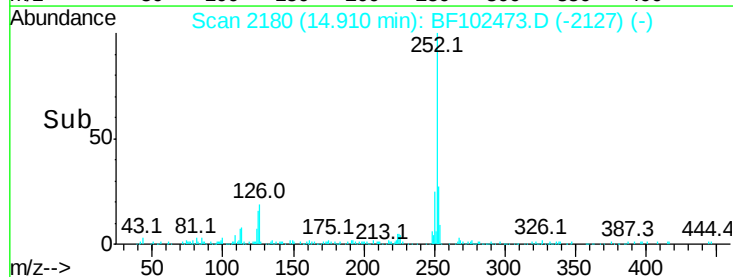
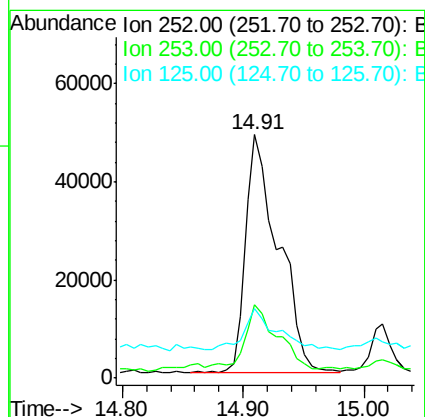
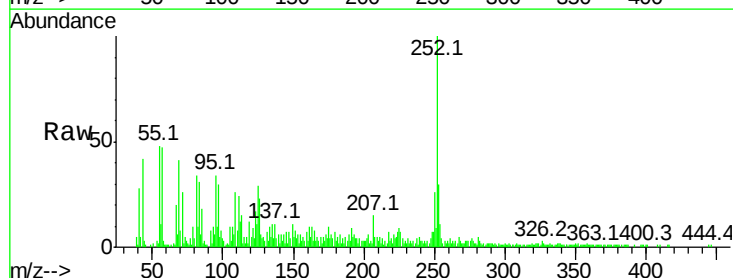
Instrument :
BNA_F
ClientSampled :

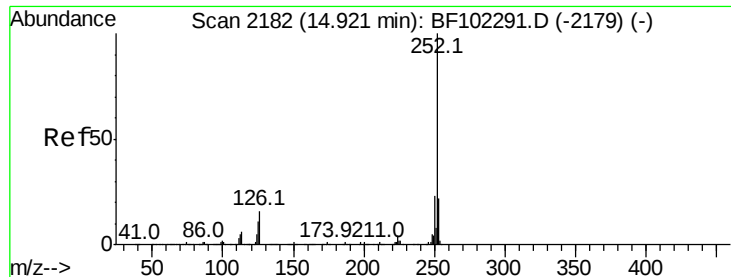
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.195 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.0	25.6#
125	28.7	9.0	13.6#

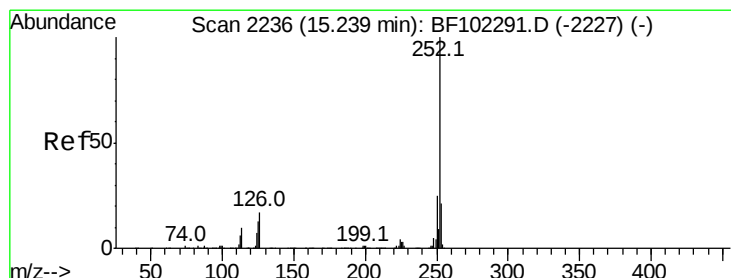
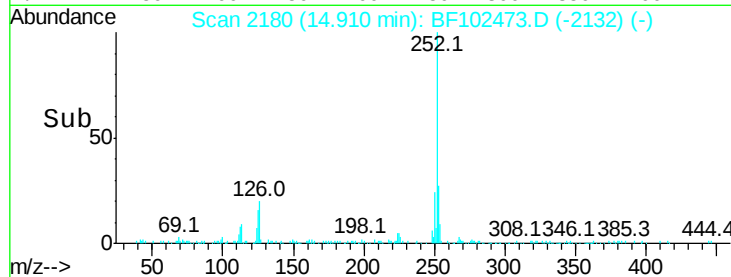
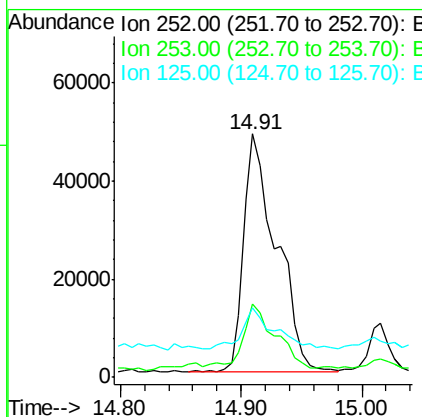
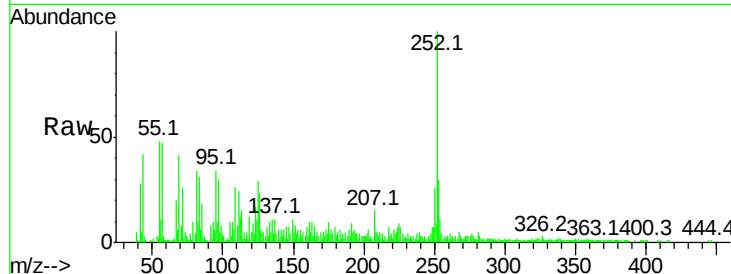




#88
Benzo(k)fluoranthene
Concen: 6.557 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

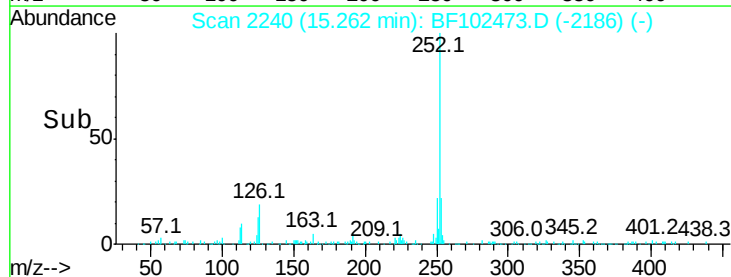
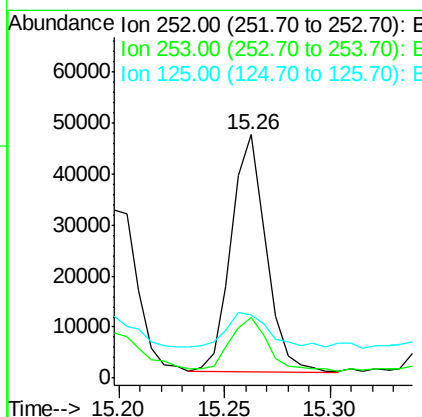
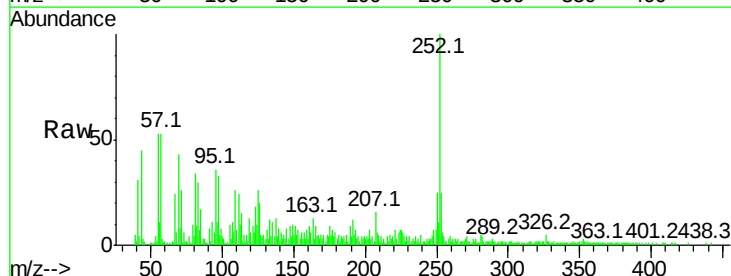
Instrument :
BNA_F
ClientSampleId :

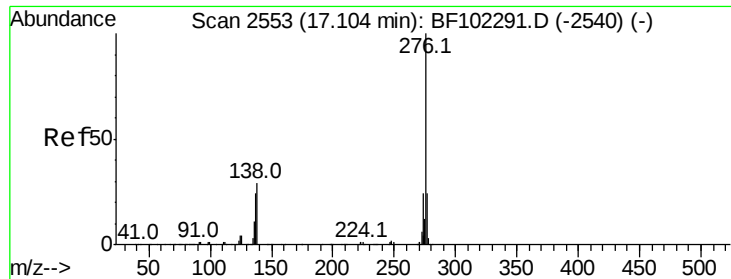
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.9	26.9#
125	28.7	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.974 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	26.1	9.8	14.6#

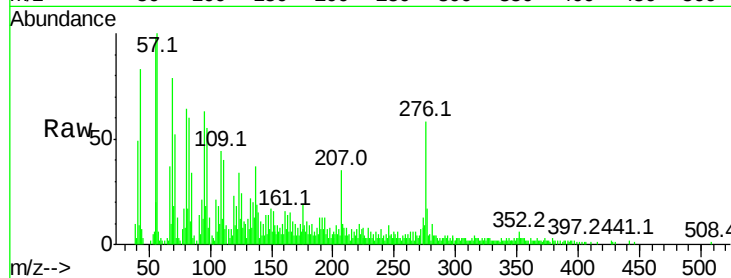




#91
 Benzo(a,h,i)perylene
 Concen: 2.660 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.03 min
 Lab File: BF102473.D
 Acq: 26 Jan 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9
138	33.5	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

