

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102199.D
 Acq On : 18 Jan 2018 18:46
 Operator : SJ/JU
 Sample : J1168-06 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:14:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	152270	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	608422	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	259536	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	395633	20.00	ng	0.00
75) Chrysene-d12	13.87	240	279018	20.00	ng	0.00
86) Perylene-d12	15.29	264	241517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	488694	45.32	ng	0.00
7) Phenol-d6	6.35	99	579328	45.03	ng	0.00
23) Nitrobenzene-d5	7.28	82	353259	34.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	108917	48.09	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	653439	39.33	ng	0.00
78) Terphenyl-d14	12.82	244	449712	33.46	ng	0.00

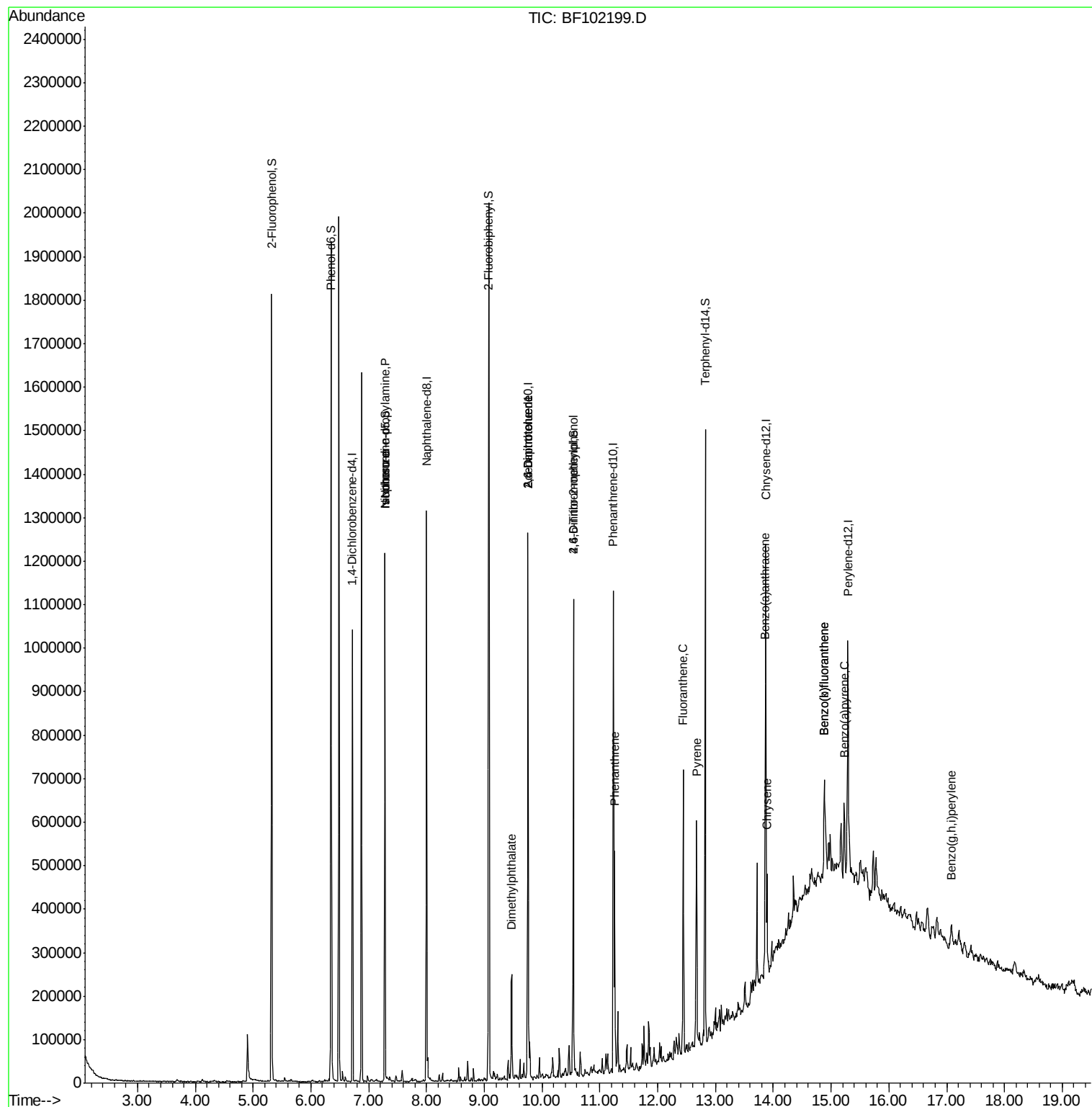
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	46088	5.466	ng	# 81
25) Isophorone	7.28	82	348138	17.017	ng	# 64
49) Dimethylphthalate	9.47	163	95203	4.573	ng	99
50) 2,6-Dinitrotoluene	9.75	165	33397	8.030	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	33397	6.407	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	116	5.710	ng	# 1
70) Phenanthrene	11.26	178	179052	7.748	ng	98
74) Fluoranthene	12.44	202	222485	9.785	ng	97
77) Pyrene	12.67	202	197786	8.019	ng	98
80) Benzo(a)anthracene	13.86	228	95720	5.377	ng	97
82) Chrysene	13.89	228	88136	4.748	ng	97
87) Benzo(b)fluoranthene	14.88	252	143592	9.118	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	143592	9.452	ng	# 95
89) Benzo(a)pyrene	15.23	252	73523	5.188	ng	# 91
91) Benzo(a,h,i)perylene	17.08	276	40238	3.532	ng	# 87

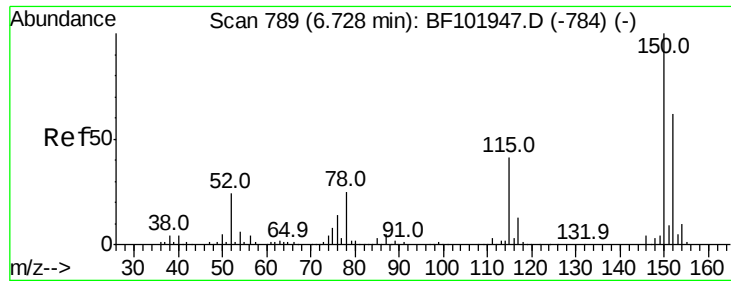
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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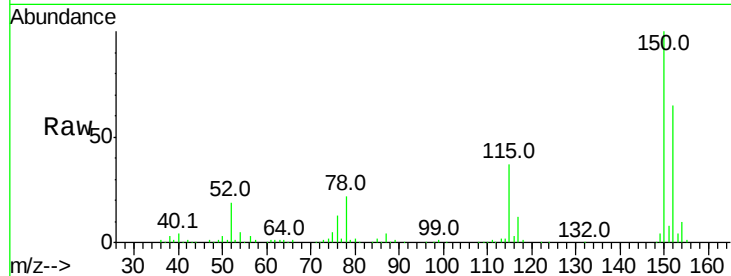


#1

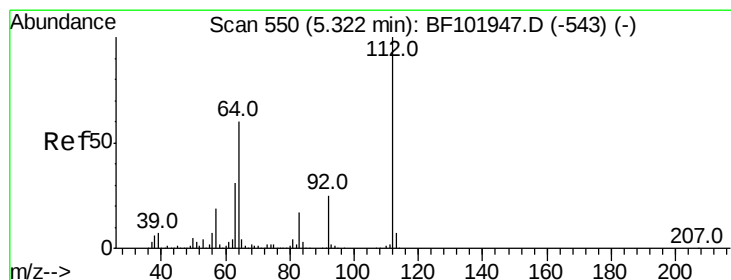
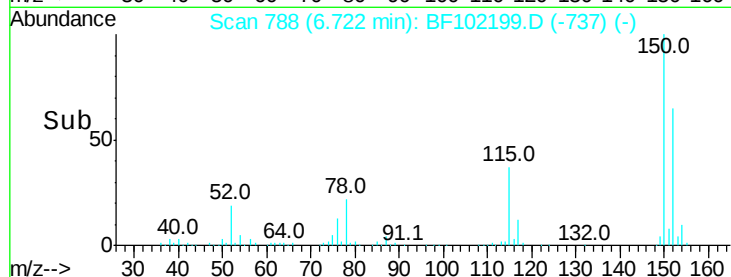
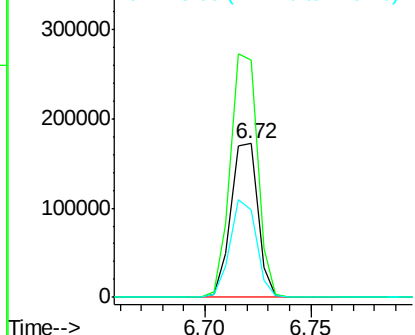
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 152270
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.6 186.8
 115 56.7 50.1 75.1



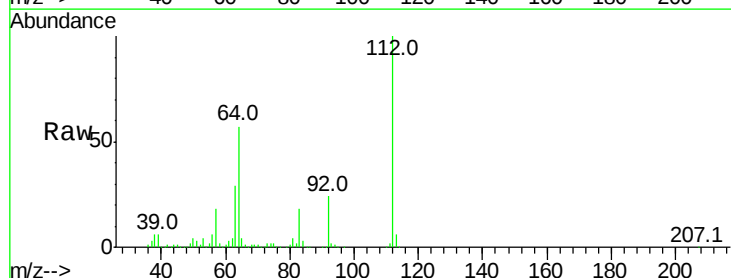
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



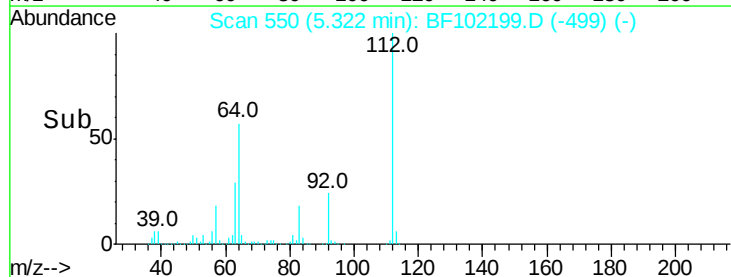
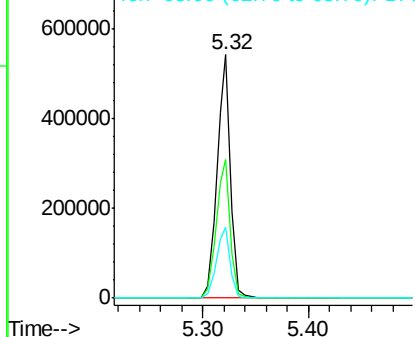
#5

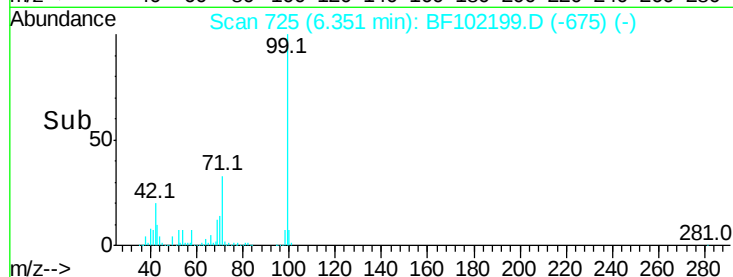
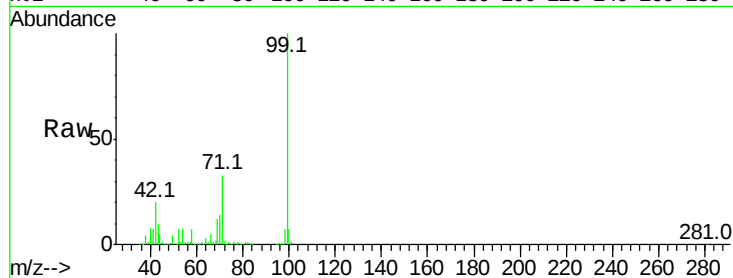
2-Fluorophenol
 Concen: 45.319 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Tgt Ion:112 Resp: 488694
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 28.9 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: 45.029 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

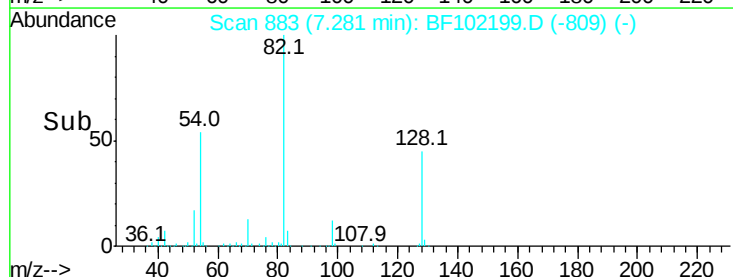
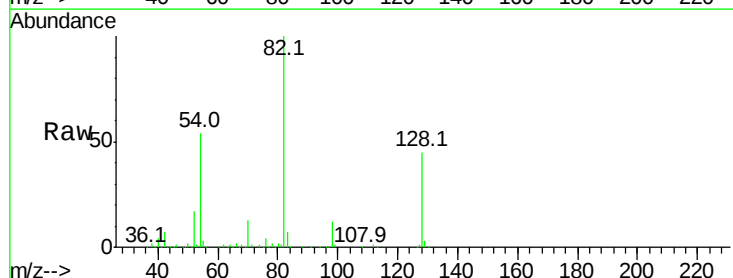
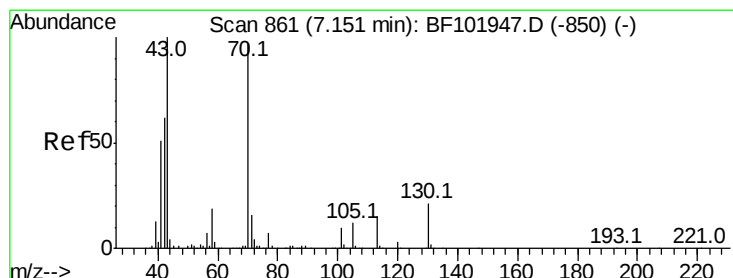
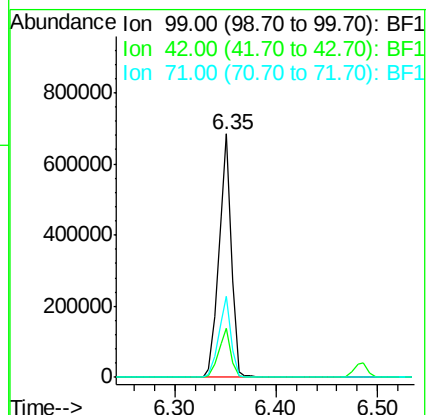
Tot Ion: 99 Resp: 579328

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.466 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Tgt Ion: 70 Resp: 46088

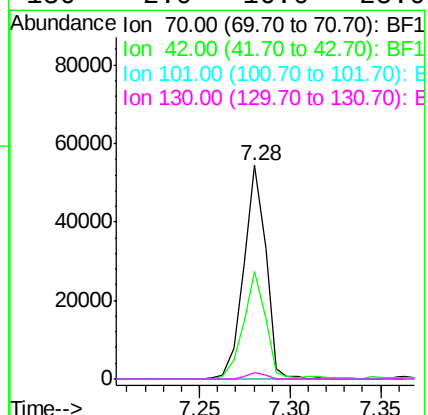
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

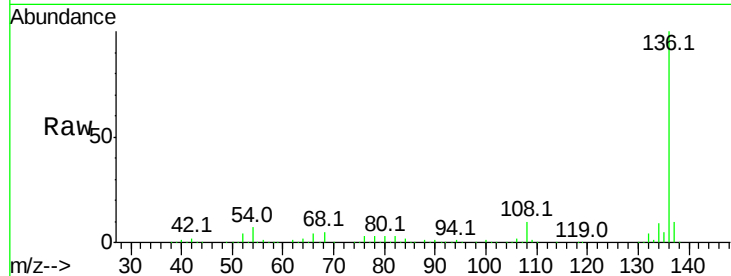




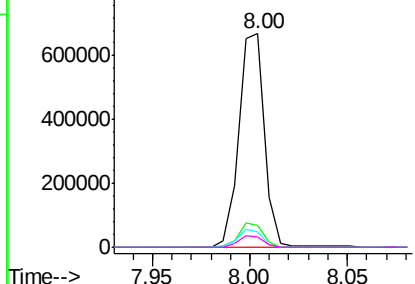
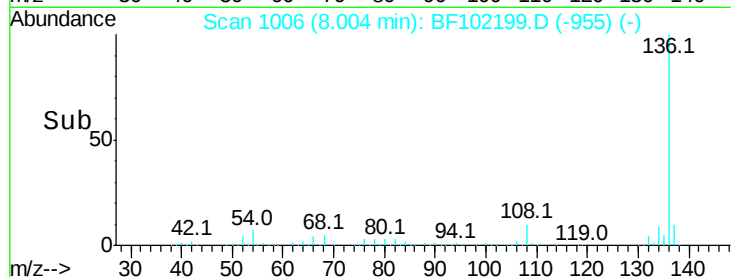
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	608422
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	7.1	6.6	9.8
68	4.8	5.0	7.4#

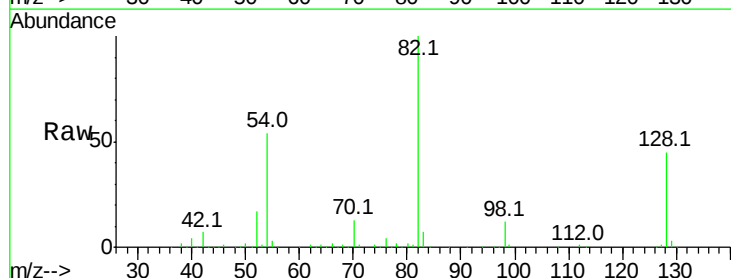


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

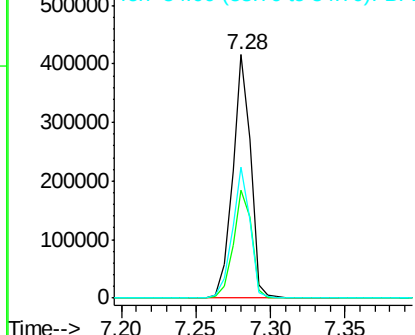
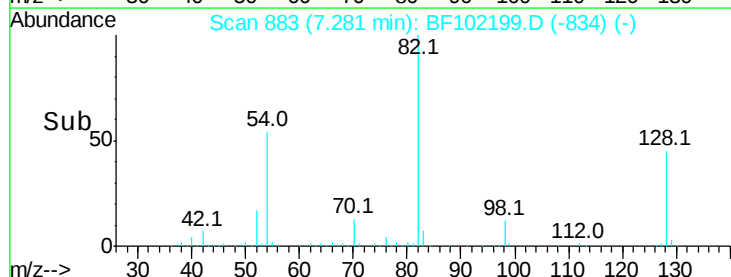


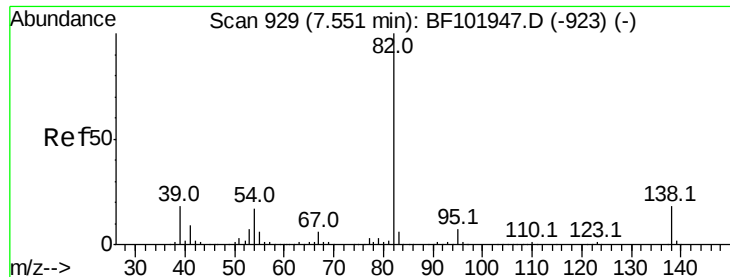
#23
Nitrobenzene-d5
Concen: 34.119 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Tgt Ion:	82	Resp:	353259
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	53.9	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: 17.017 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Instrument :

BNA_F

ClientSampled :

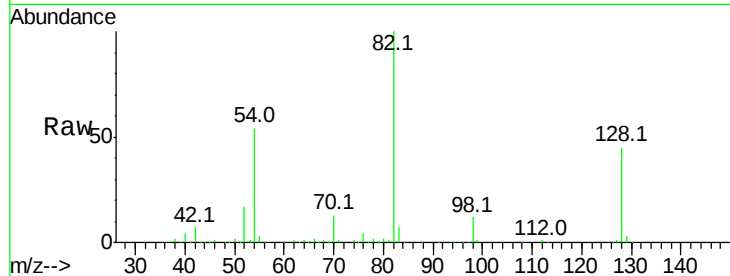
Tot Ion: 82 Resp: 348138

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

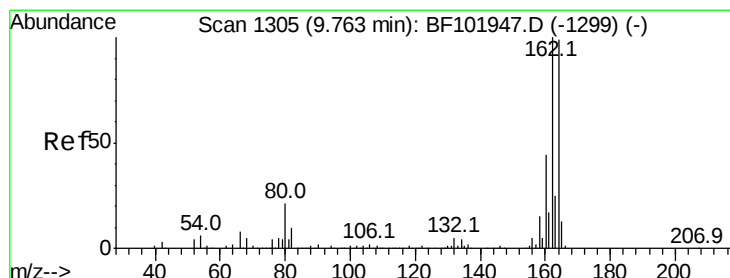
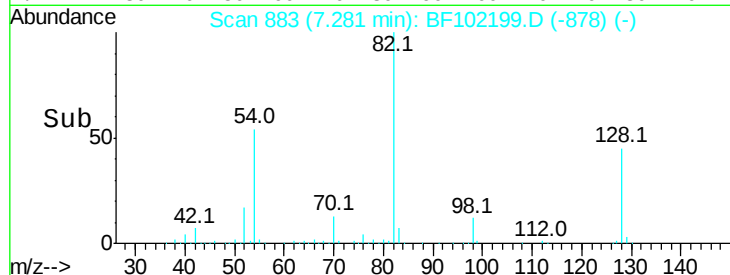
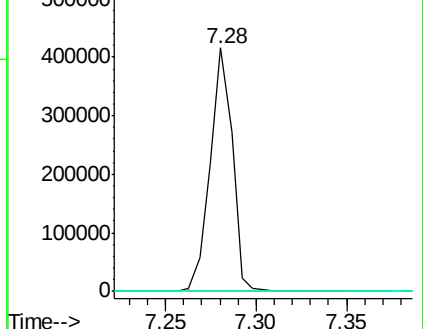
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

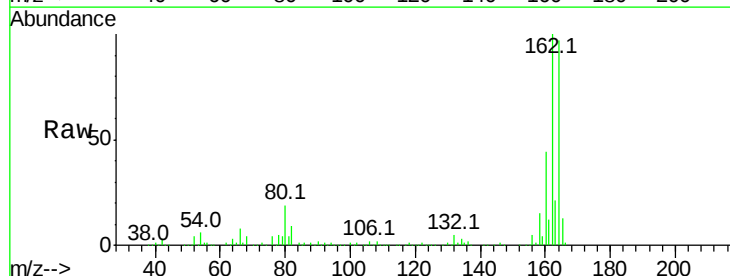
Tgt Ion:164 Resp: 259536

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

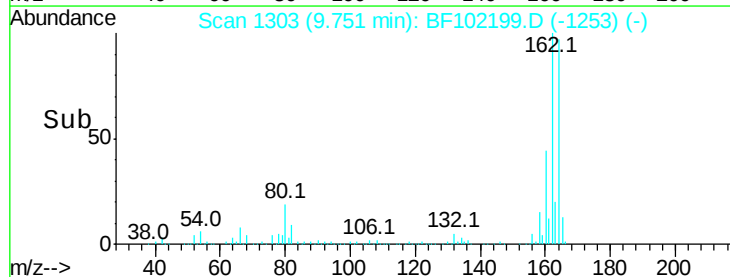
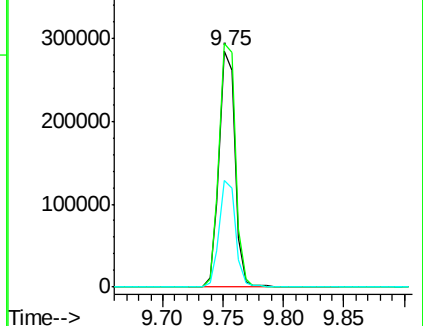
160 45.3 38.3 57.5



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

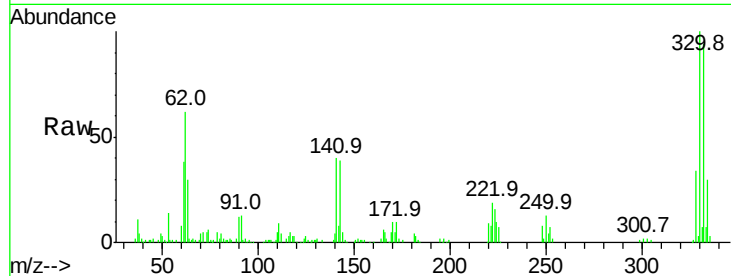




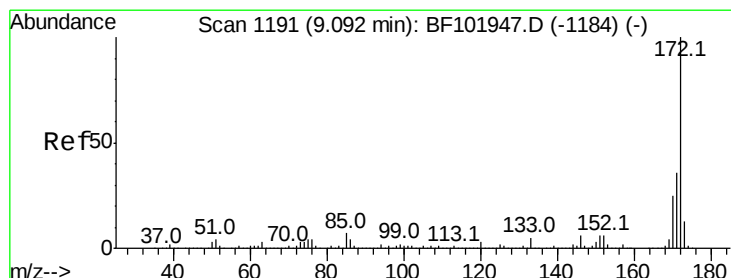
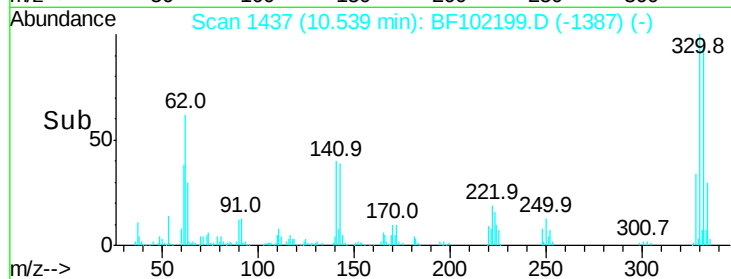
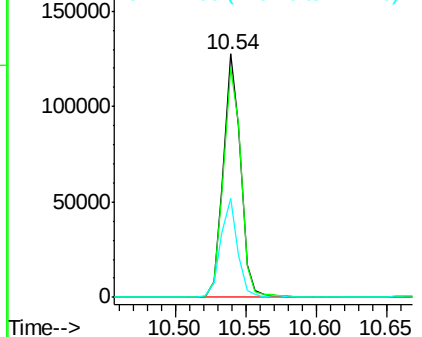
#41
 2,4,6-Tribromophenol
 Concen: 48.088 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	40.4	29.9	44.9

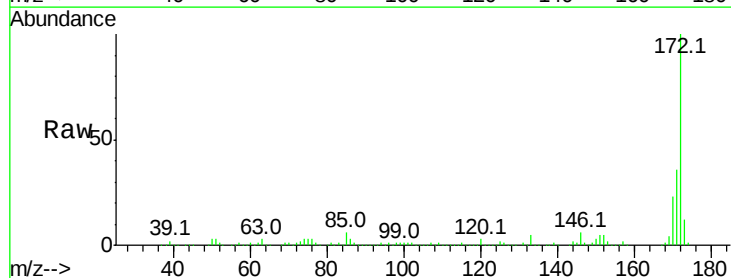


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

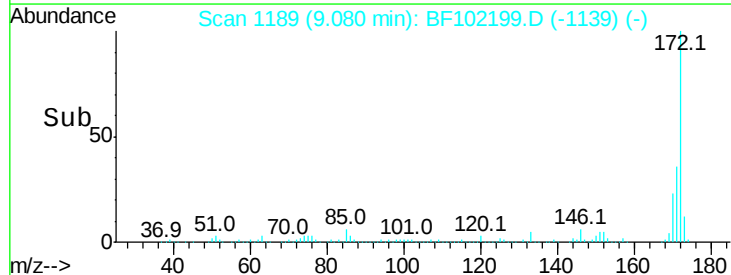
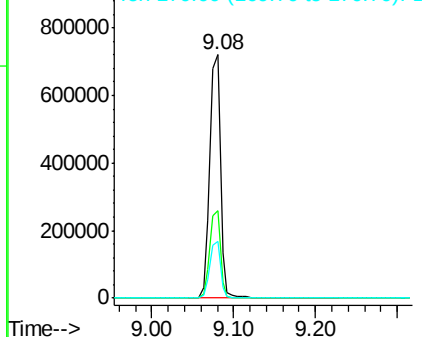


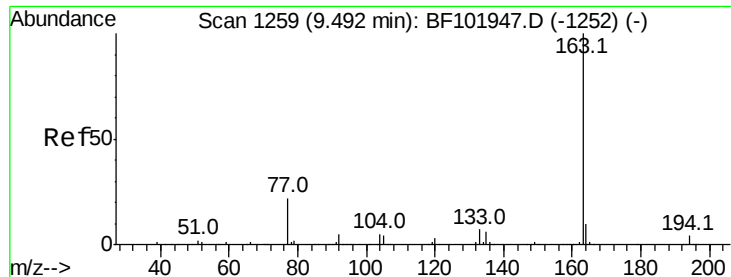
#44
 2-Fluorobiphenyl
 Concen: 39.334 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

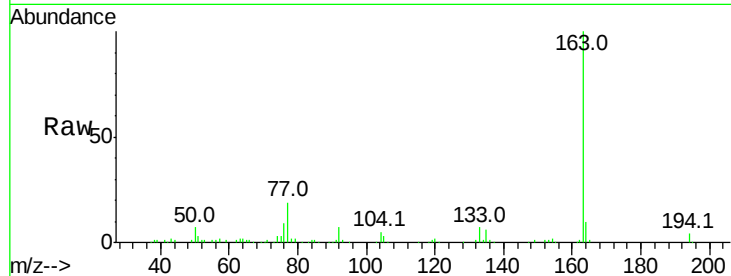




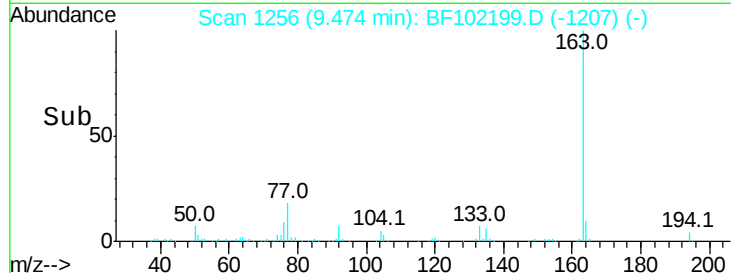
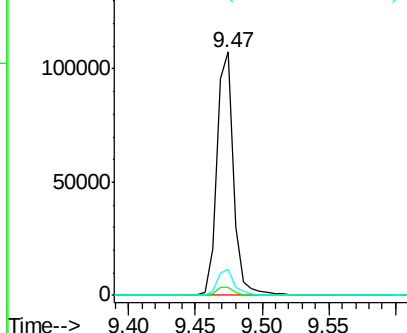
#49
Dimethylphthalate
Concen: 4.573 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 95203
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2

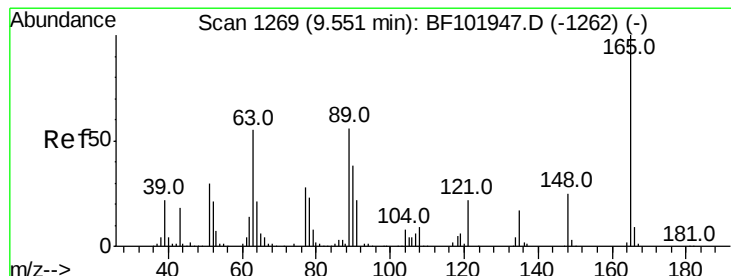


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

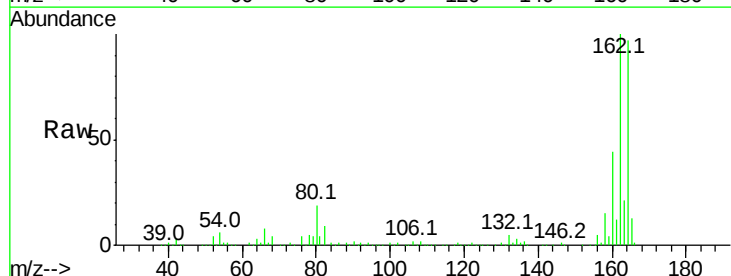
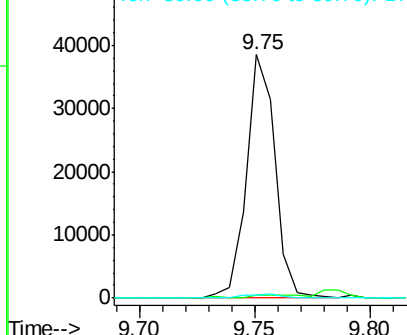


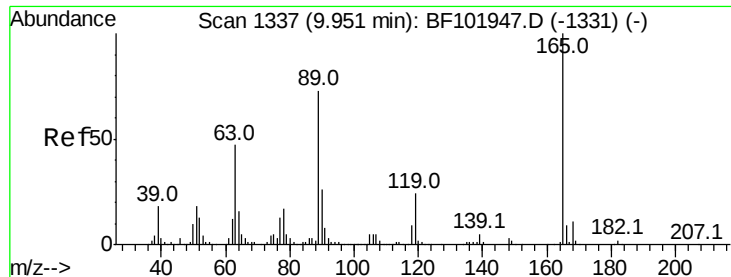
#50
2,6-Dinitrotoluene
Concen: 8.030 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.20 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Tgt Ion:165 Resp: 33397
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.2 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

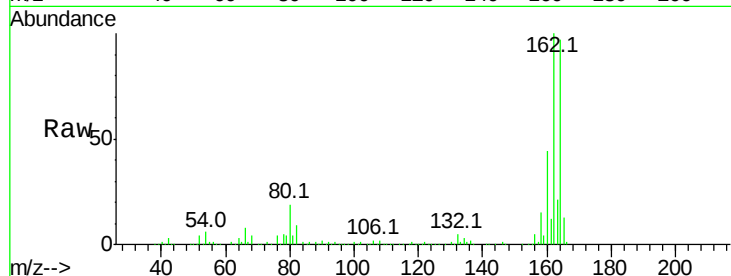




#56
 2,4-Dinitrotoluene
 Concen: 6.407 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	33397
Ion Ratio	Lower	Upper
165 100		
63 1.4	36.4	54.6#
89 1.2	57.8	86.6#
182 0.0	1.6	2.4#

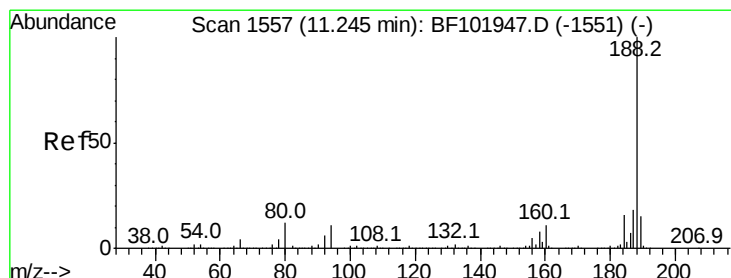
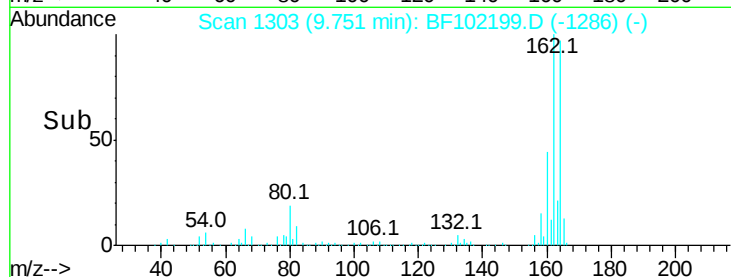
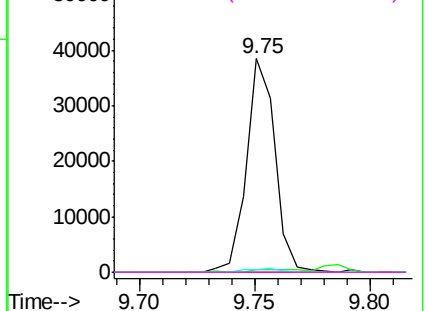


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

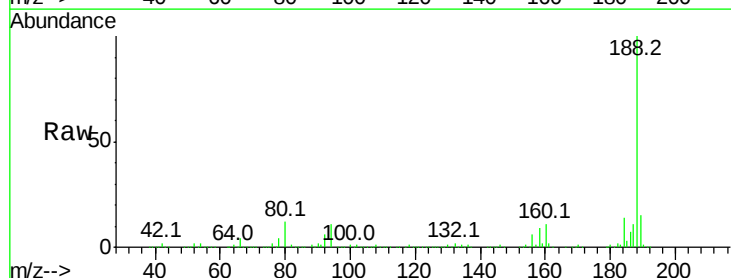
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

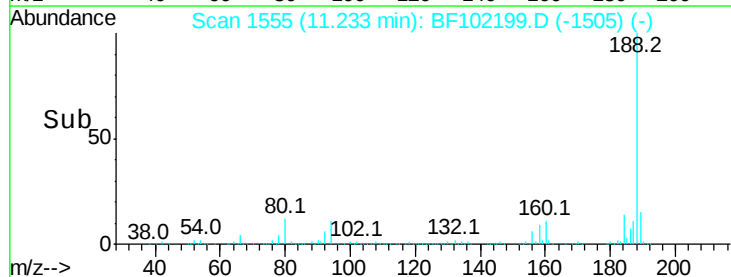
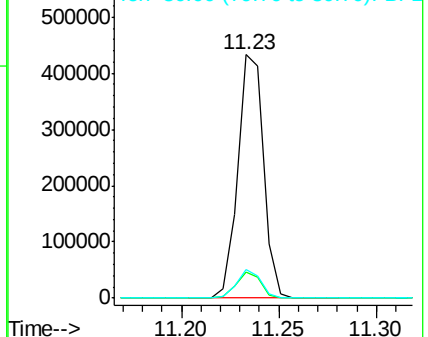
Tgt Ion:188	Resp:	395633
Ion Ratio	Lower	Upper
188 100		
94 11.0	8.5	12.7
80 11.9	9.2	13.8

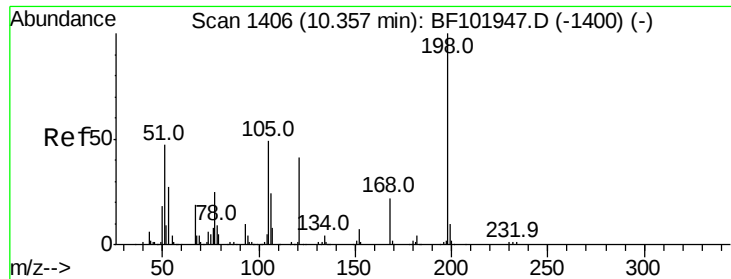


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.710 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Instrument :

BNA_F

ClientSampled :

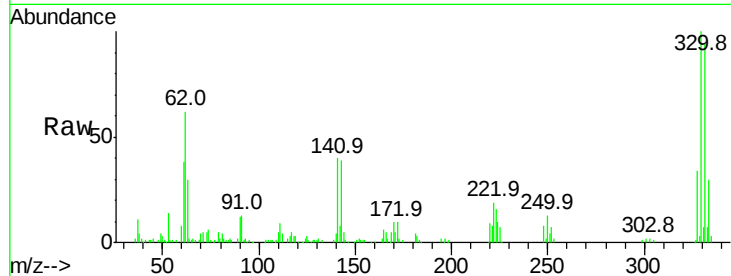
Tot Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 395.4 37.7 77.7#

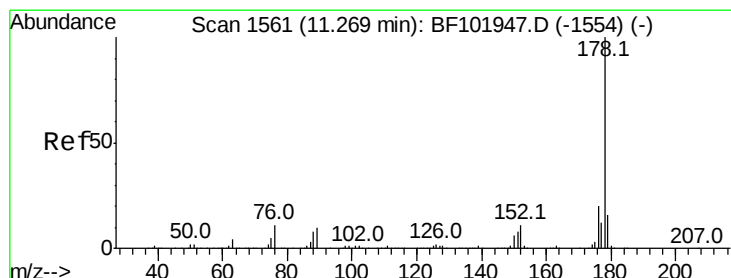
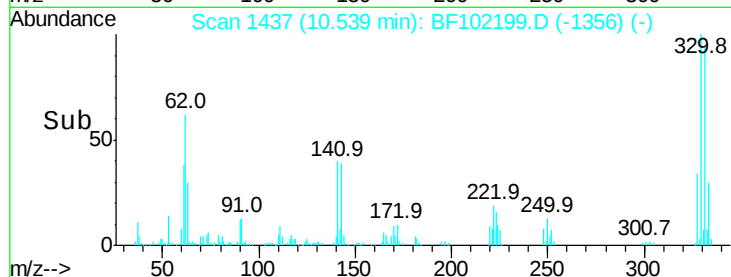
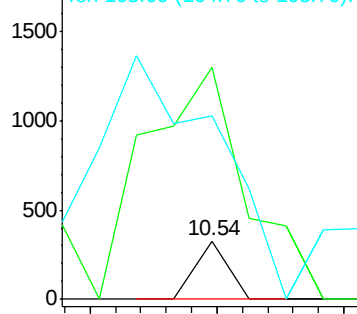
105 313.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 7.748 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

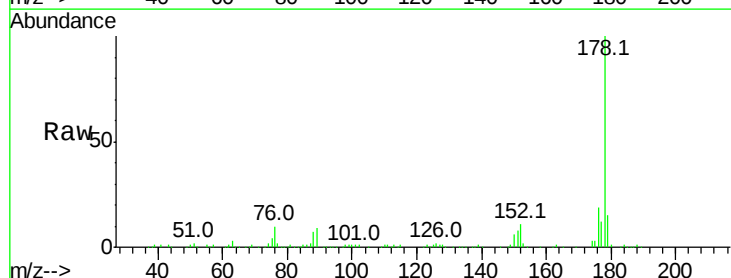
Tgt Ion:178 Resp: 179052

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

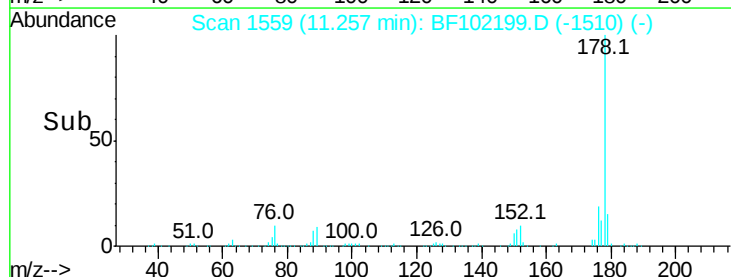
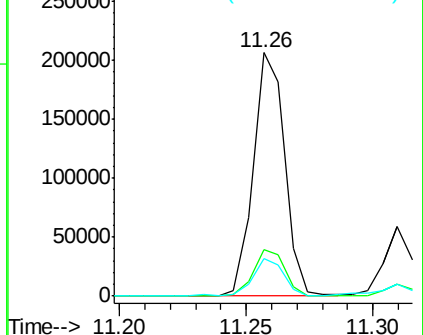
179 15.4 13.0 19.6

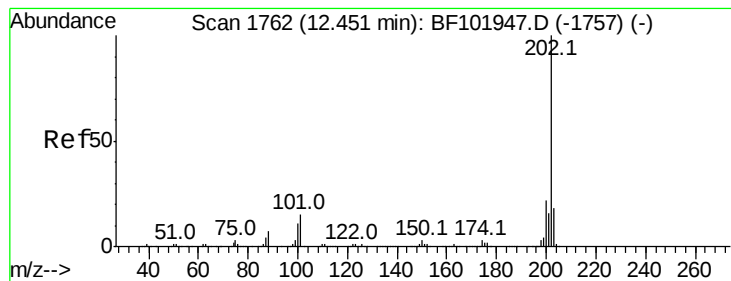


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.785 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

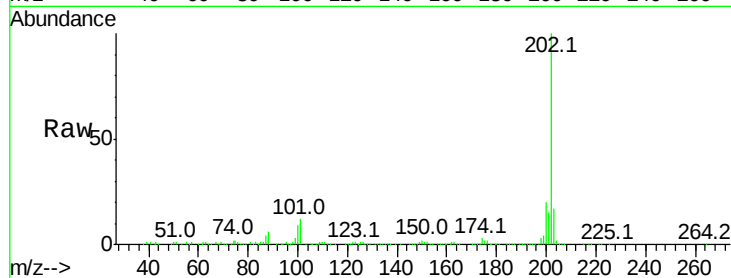
Tot Ion:202 Resp: 222485

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

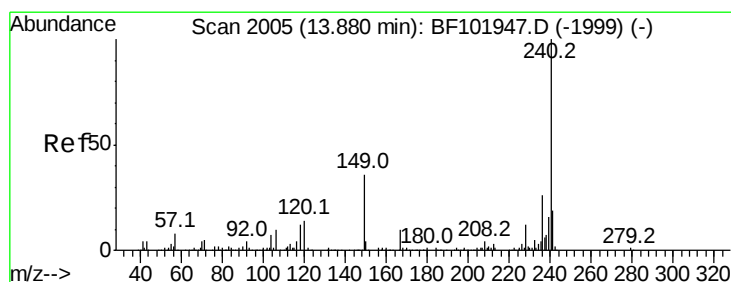
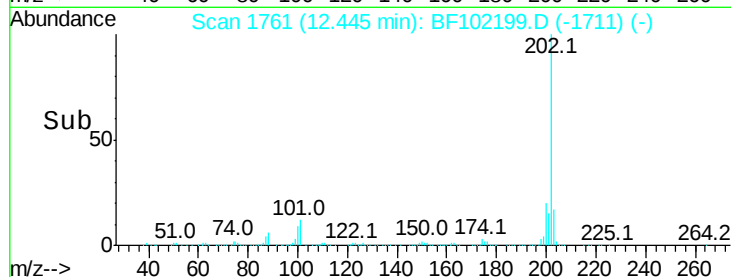
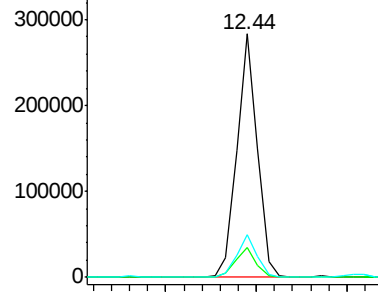
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

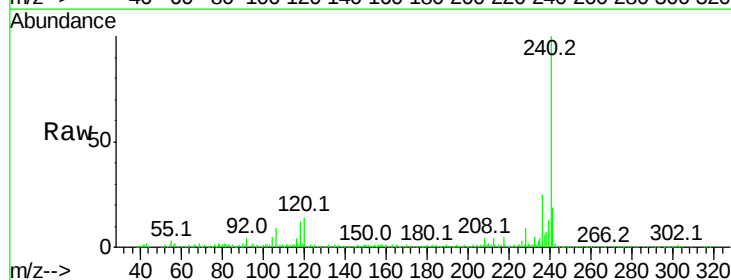
Tgt Ion:240 Resp: 279018

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

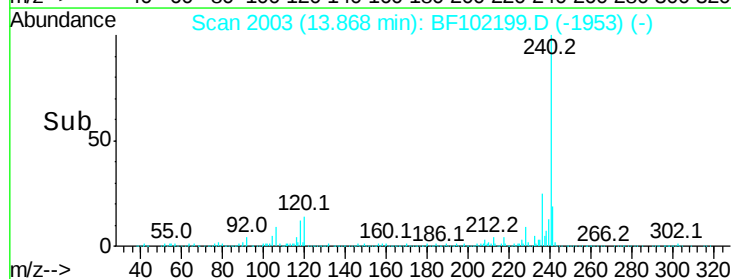
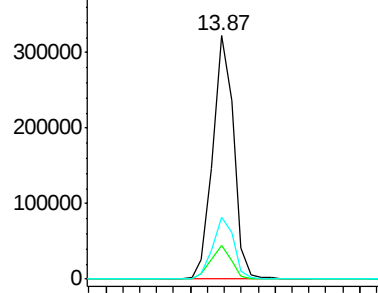
236 25.3 20.7 31.1

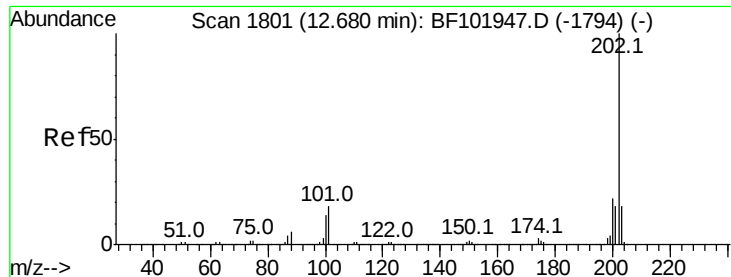


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.019 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

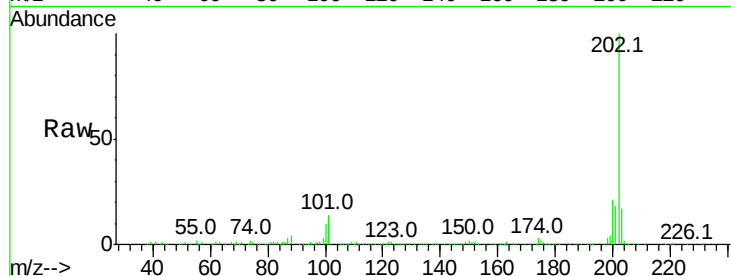
Tot Ion:202 Resp: 197786

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

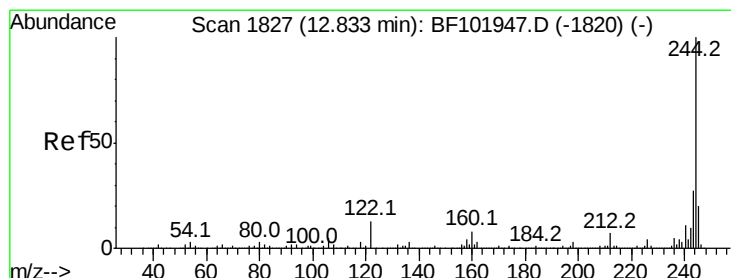
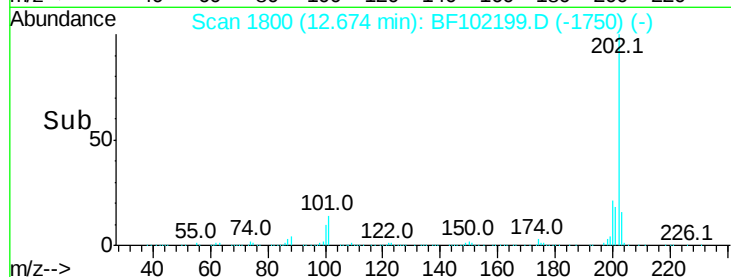
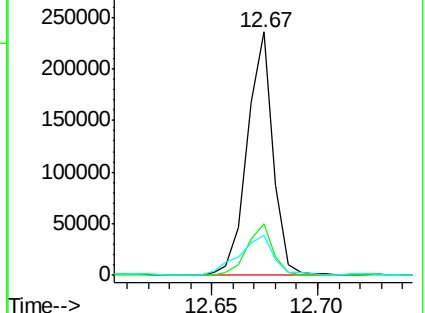
203 16.5 14.3 21.5



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: 33.465 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102199.D

Acq: 18 Jan 2018 18:46

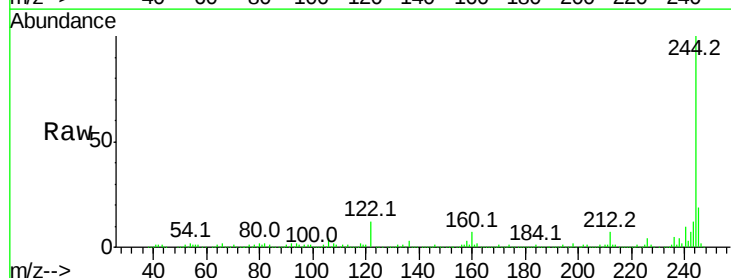
Tgt Ion:244 Resp: 449712

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

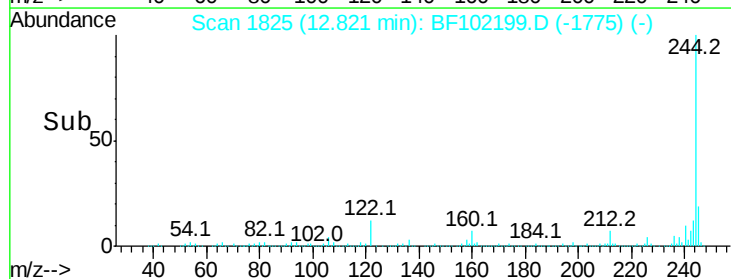
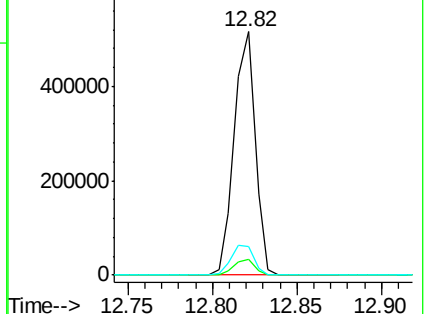
122 11.6 11.0 16.4

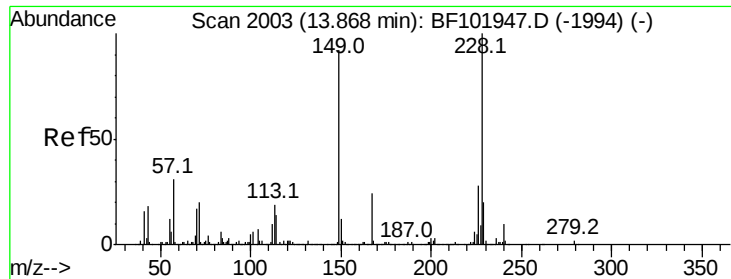


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

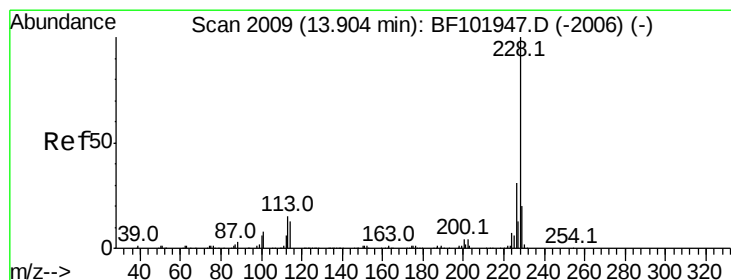
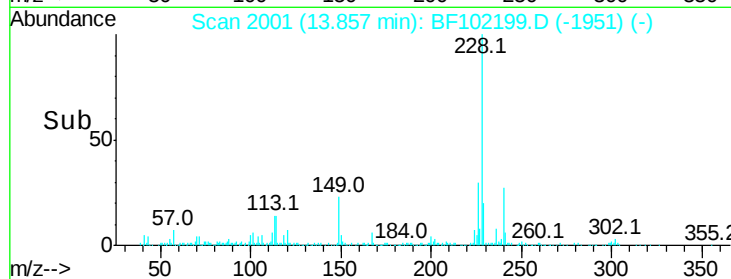
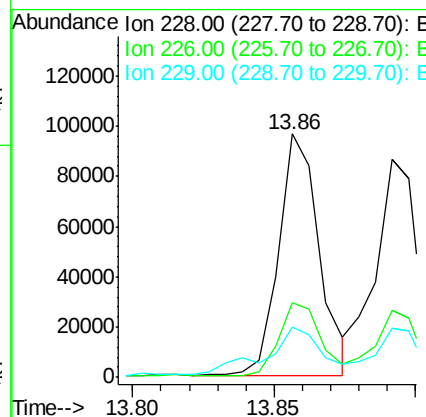
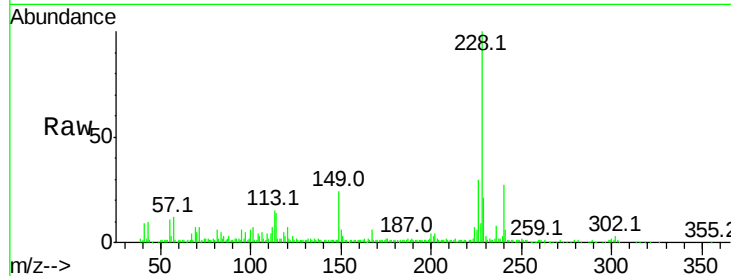




#80
Benzo(a)anthracene
Concen: 5.377 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

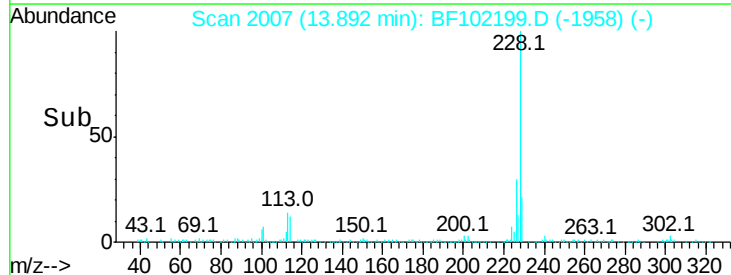
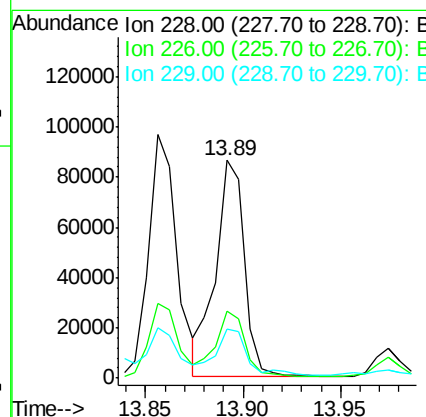
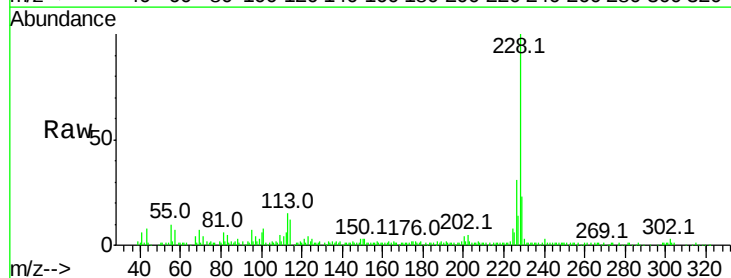
Instrument :
BNA_F
ClientSampleId :

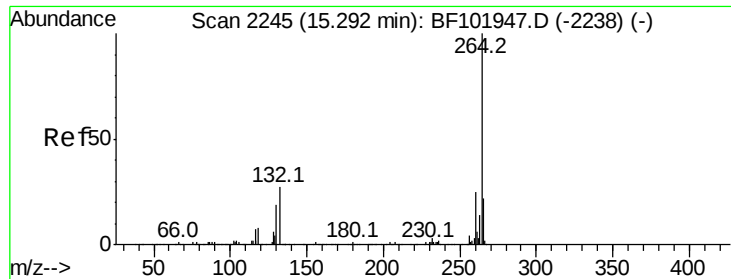
Tot Ion:228 Resp: 95720
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 20.7 15.8 23.6



#82
Chrysene
Concen: 4.748 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Tgt Ion:228 Resp: 88136
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.7 16.2 24.4

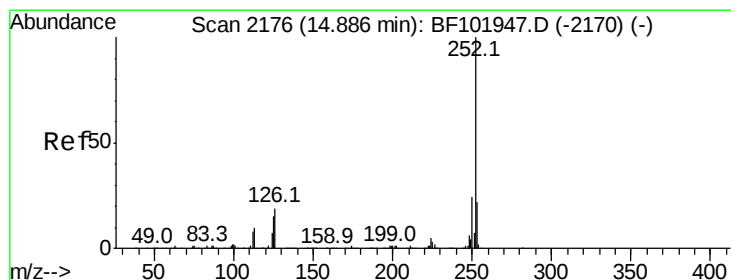
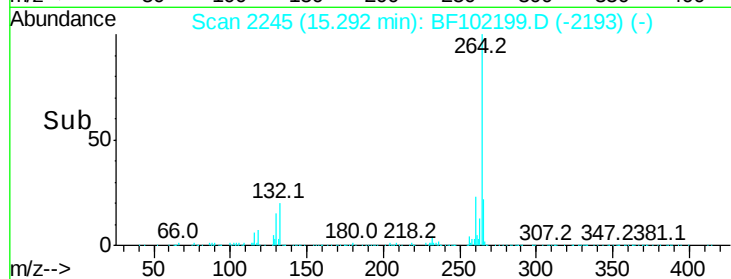
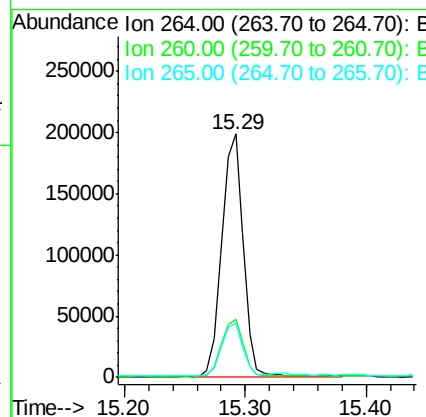
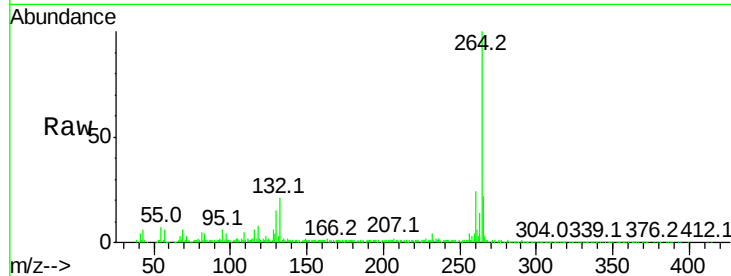




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

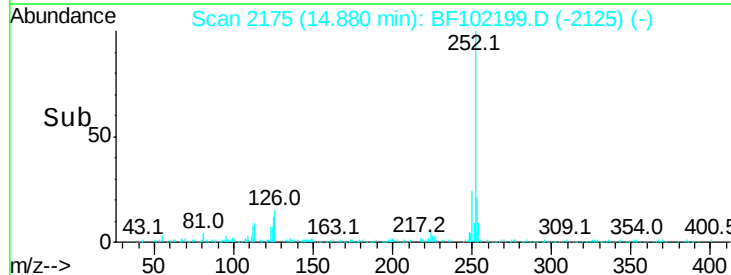
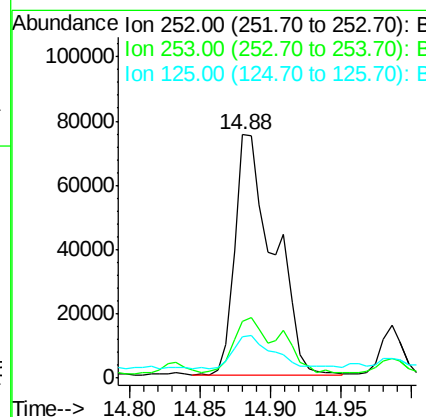
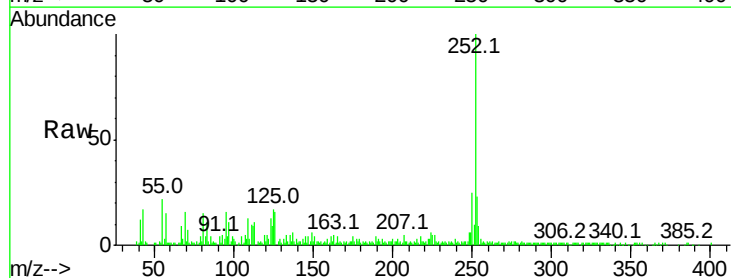
Instrument :
BNA_F
ClientSampleId :

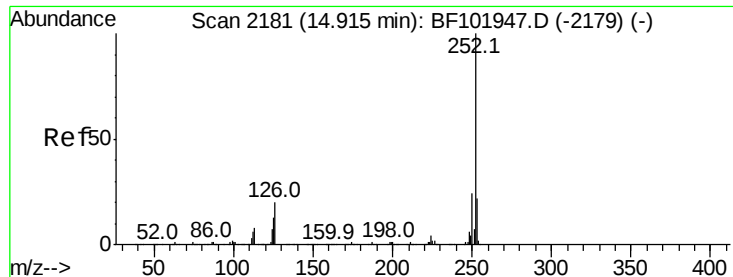
Tot Ion:264 Resp: 241517
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.118 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Tgt Ion:252 Resp: 143592
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 16.8 9.0 13.6#

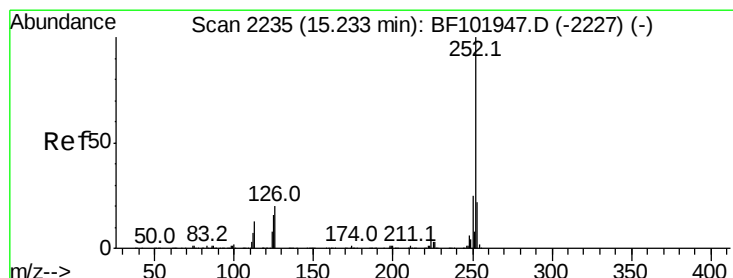
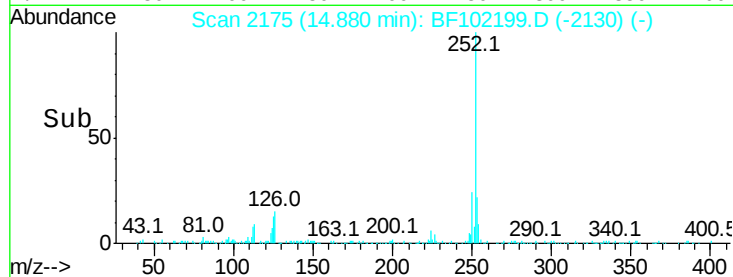
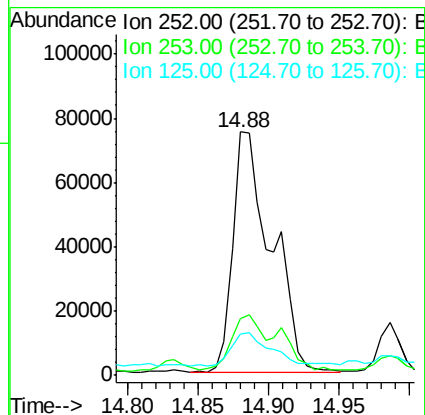
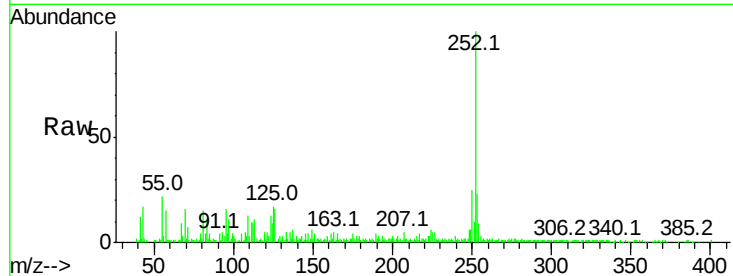




#88
Benzo(k)fluoranthene
Concen: 9.452 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

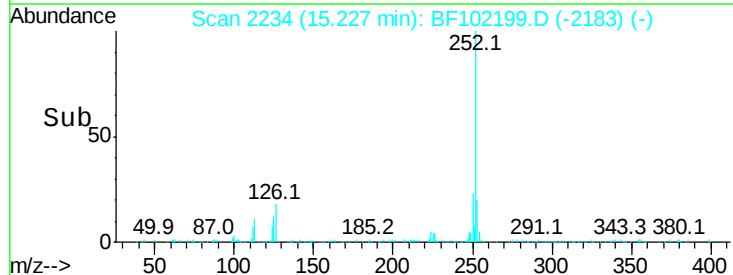
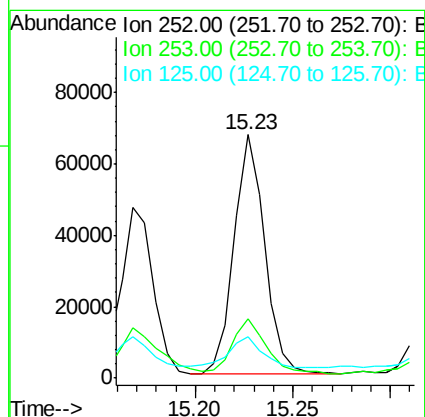
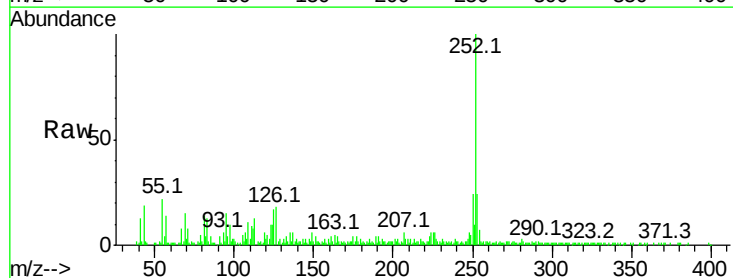
Instrument :
BNA_F
ClientSampleId :

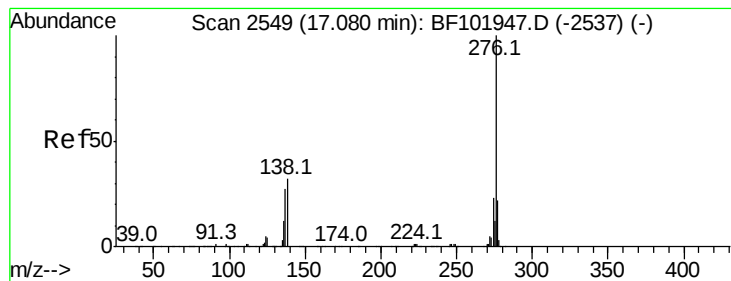
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	16.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.188 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF102199.D
Acq: 18 Jan 2018 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	17.0	9.8	14.6

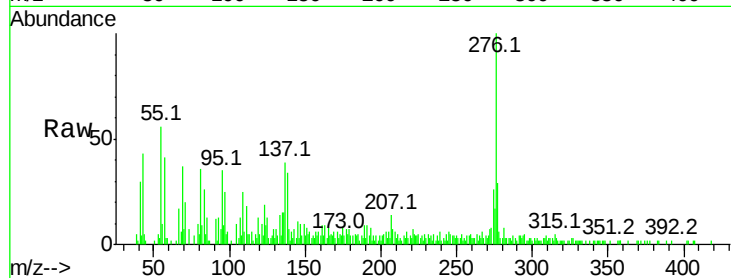




#91
 Benzo(a,h,i)perylene
 Concen: 3.532 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BF102199.D
 Acq: 18 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.9	26.9
138	33.7	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

