

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102628.D
 Acq On : 30 Jan 2018 6:34
 Operator : SJ/JU
 Sample : J1253-07DL 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

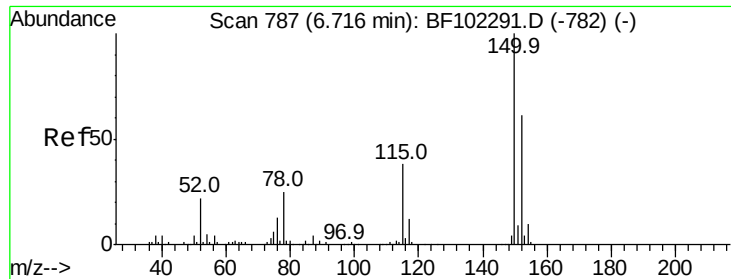
Quant Time: Jan 30 07:44:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	141884	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	610893	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	271953	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	439221	20.00	ng	0.00
75) Chrysene-d12	13.87	240	274070	20.00	ng	0.00
86) Perylene-d12	15.30	264	258321	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	45032	4.81	ng	0.00
7) Phenol-d6	6.37	99	61199	5.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	35783	3.37	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	10354	3.84	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	78928	4.27	ng	0.00
78) Terphenyl-d14	12.82	244	63328	5.21	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.75	165	35085	7.239	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	35085	5.887	ng	# 23
70) Phenanthrene	11.26	178	119724	4.678	ng	97
74) Fluoranthene	12.45	202	113882	4.363	ng	99
77) Pyrene	12.67	202	104018	4.909	ng	98
80) Benzo(a)anthracene	13.86	228	38034	2.254	ng	98
82) Chrysene	13.90	228	37646	2.197	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	810896	57.219	ng	# 99
87) Benzo(b)fluoranthene	14.90	252	52058	3.109	ng	# 86
88) Benzo(k)fluoranthene	14.90	252	52058	3.291	ng	# 89
89) Benzo(a)pyrene	15.24	252	31207	2.067	ng	# 88

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

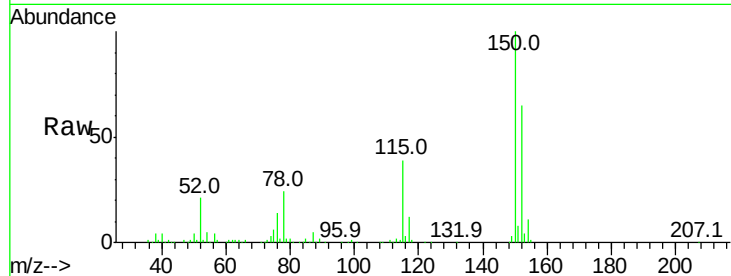


#1

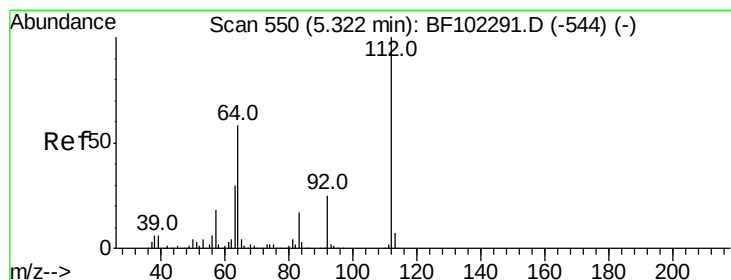
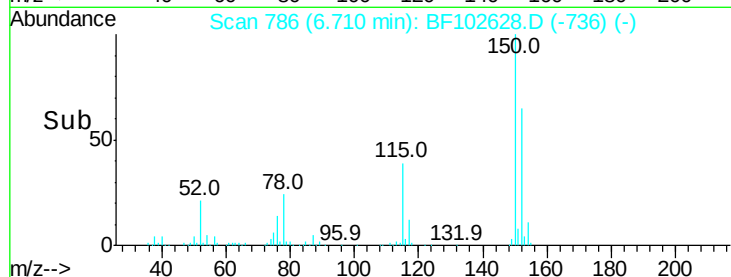
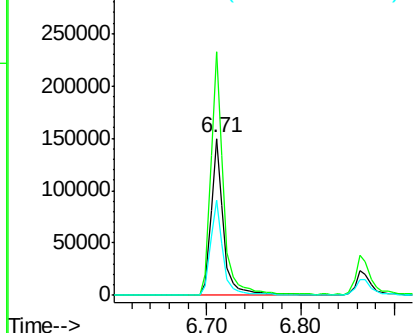
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102628.D
Acq: 30 Jan 2018 6:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141884
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 60.8 50.1 75.1



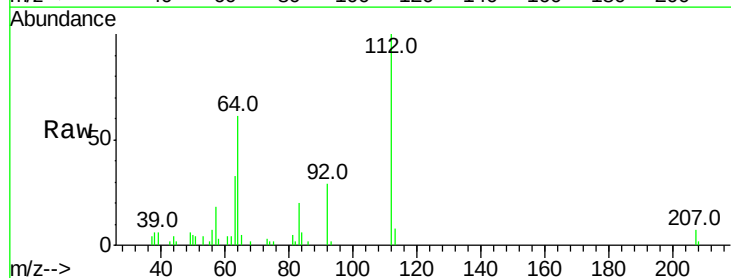
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



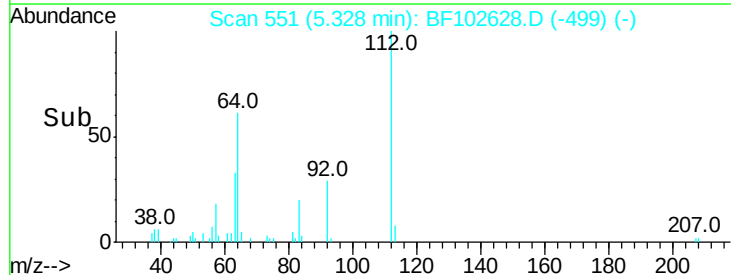
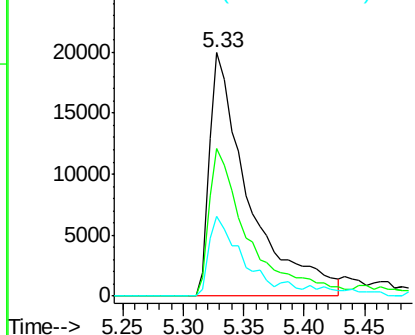
#5

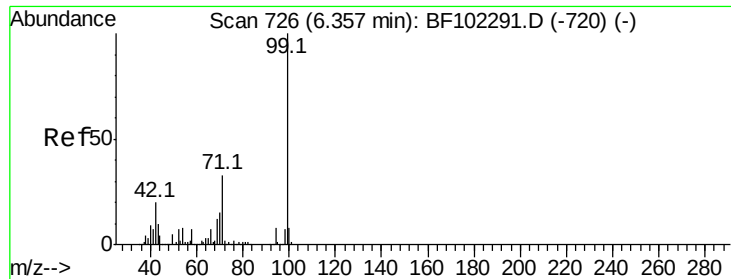
2-Fluorophenol
Concen: 4.812 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102628.D
Acq: 30 Jan 2018 6:34

Tgt Ion:112 Resp: 45032
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 32.7 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: 5.425 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

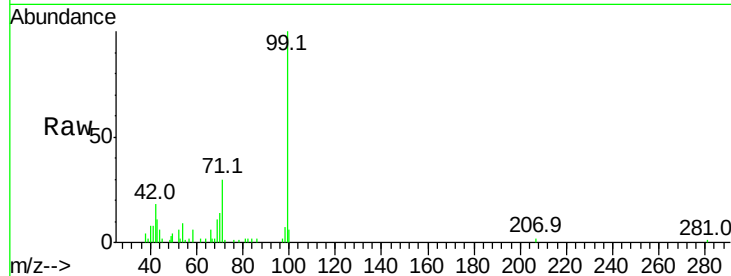
Tot Ion: 99 Resp: 61199

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

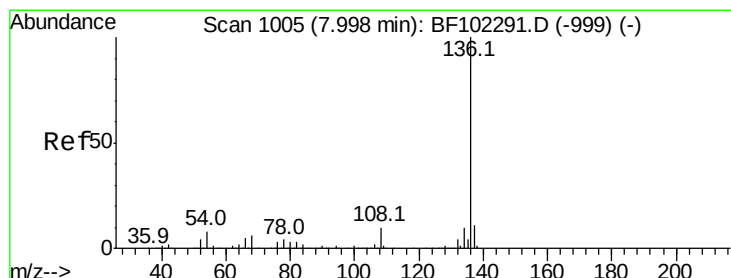
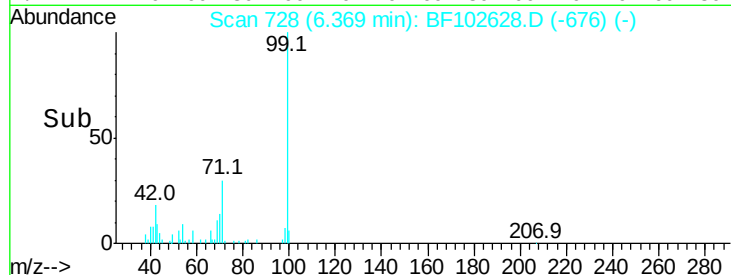
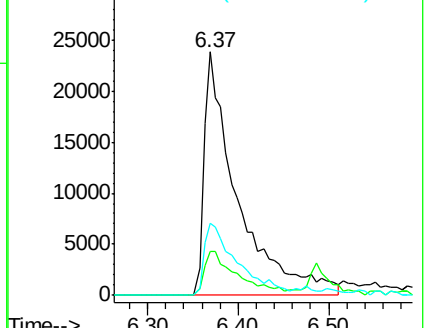
71 29.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Tgt Ion: 136 Resp: 610893

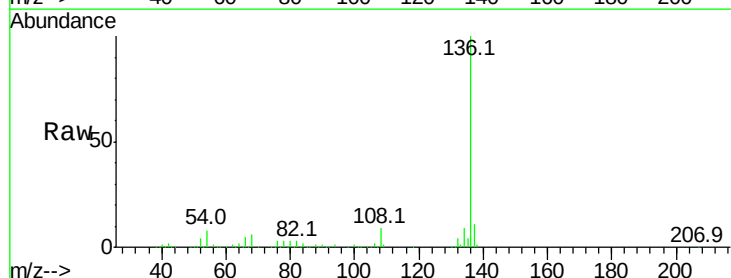
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 6.6 9.8

68 5.9 5.0 7.4

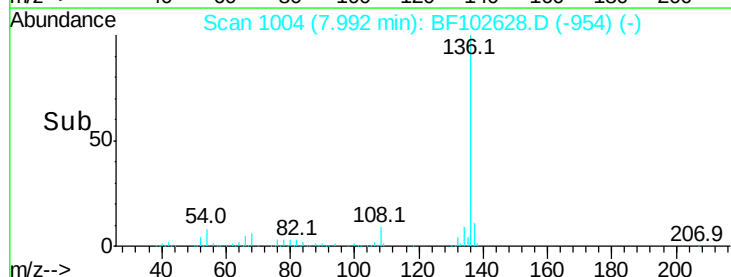
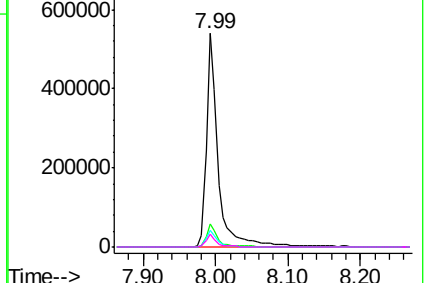


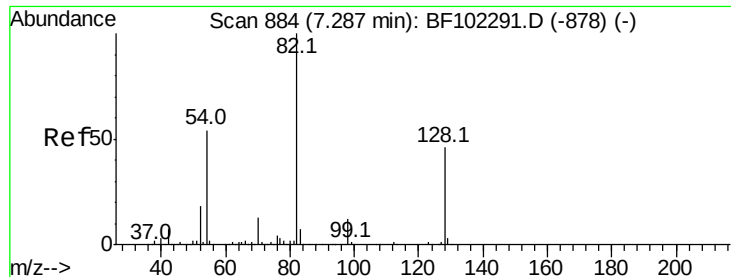
Abundance Ion 136.00 (135.70 to 136.70): E

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



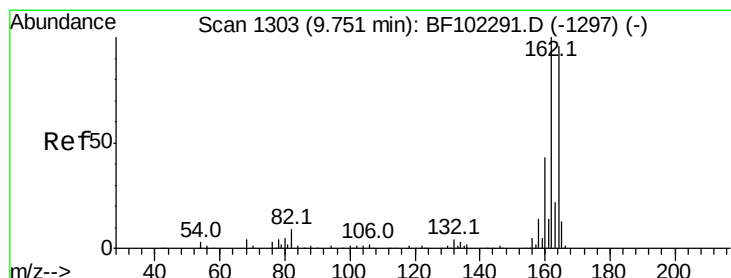
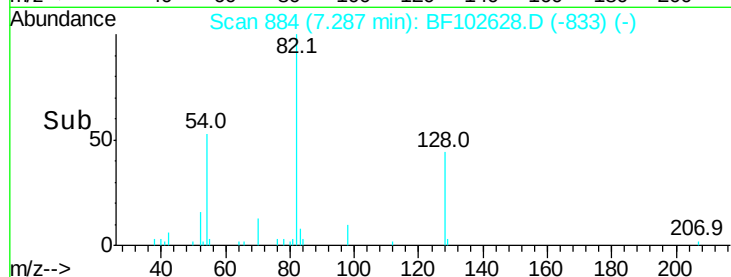
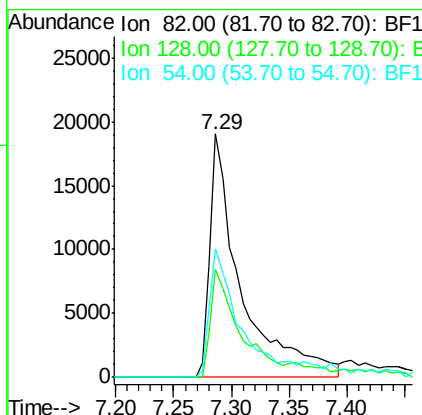
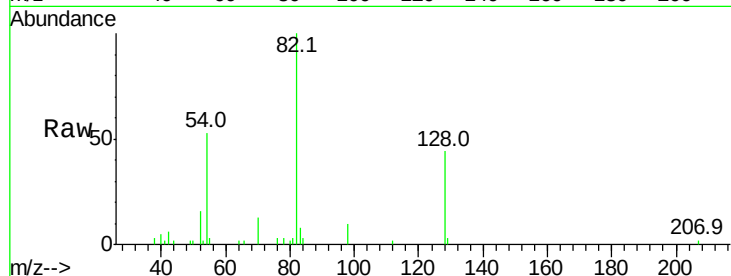


#23
 Nitrobenzene-d5
 Concen: 3.366 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 35783

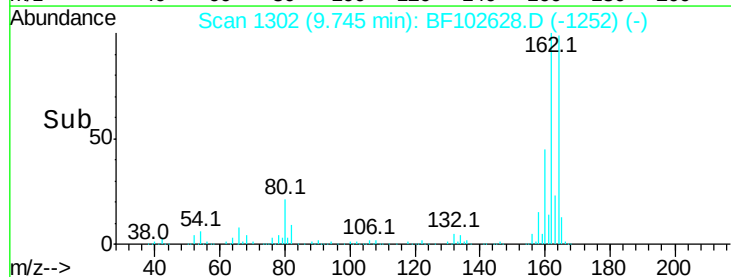
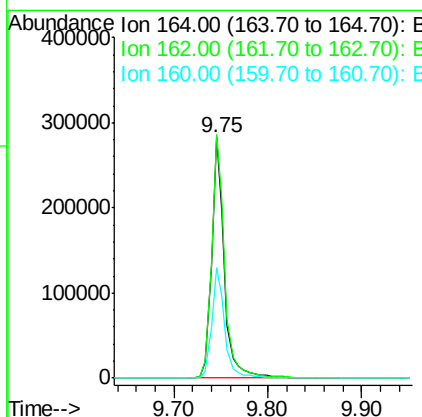
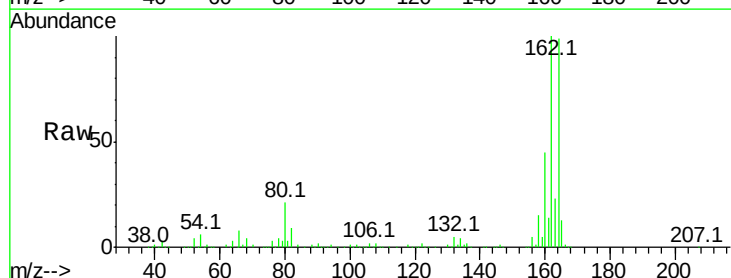
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	53.0	41.4	62.2

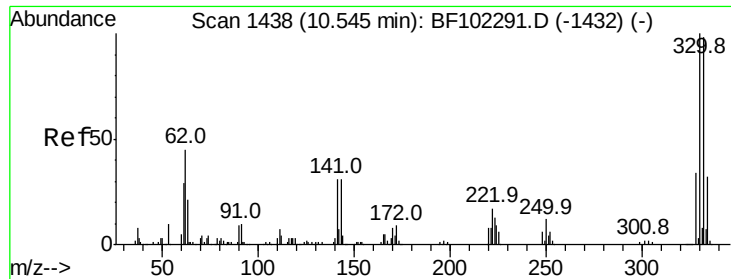


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

Tgt Ion: 164 Resp: 271953

Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	45.9	38.3	57.5

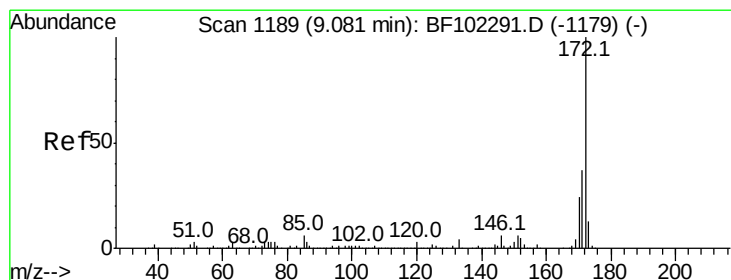
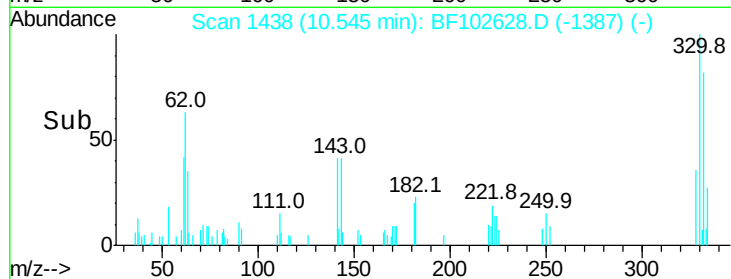
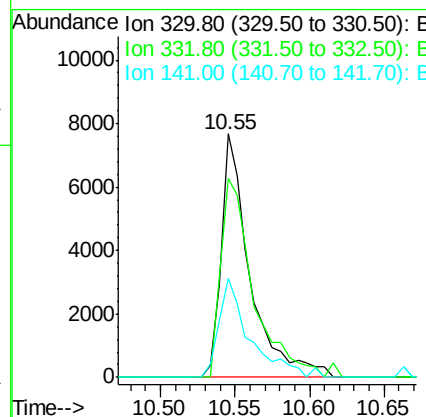
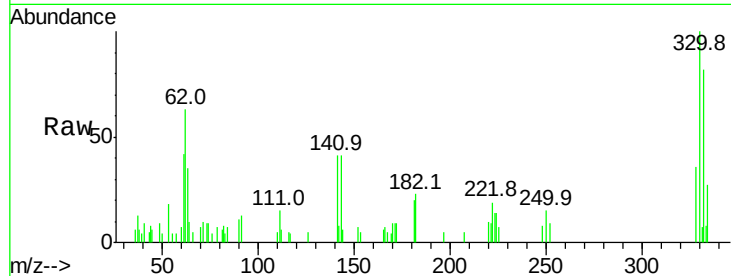




#41
 2,4,6-Tribromophenol
 Concen: 3.842 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

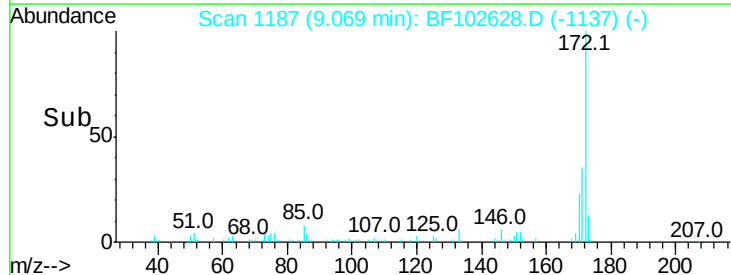
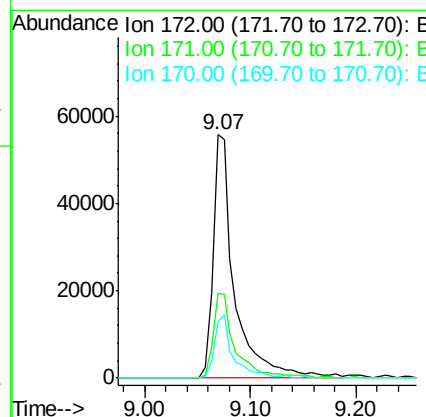
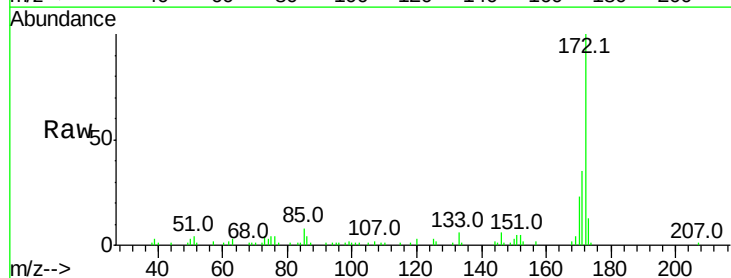
Instrument :
 BNA_F
 ClientSampleId :

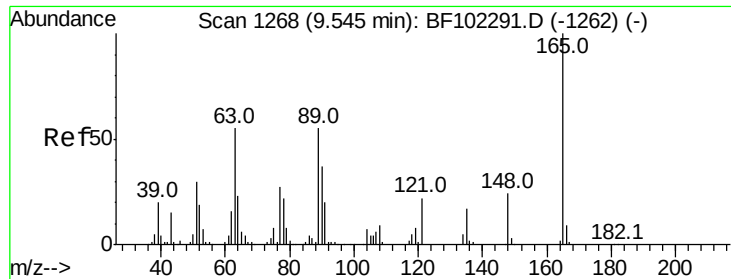
Tot Ion:330 Resp: 10354
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.0 115.6
 141 43.5 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 4.267 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

Tgt Ion:172 Resp: 78928
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.3 19.6 29.4

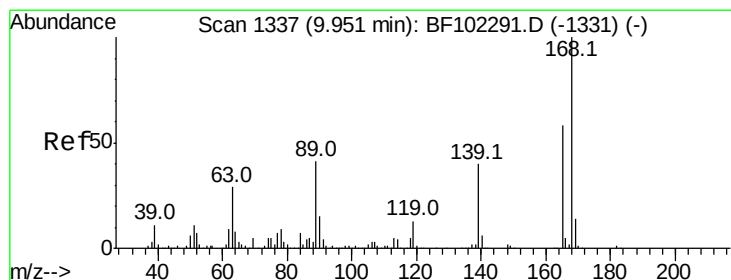
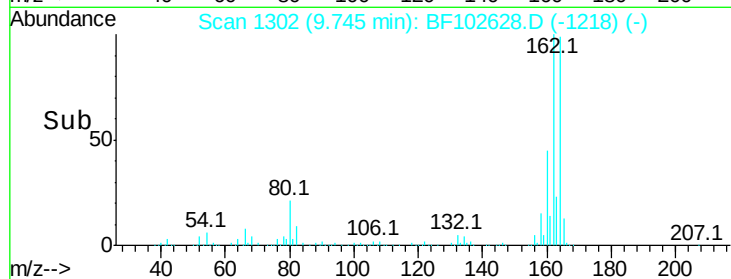
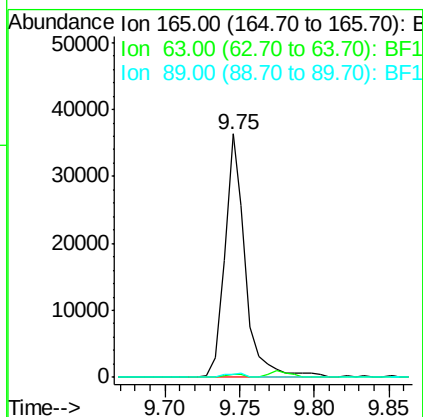
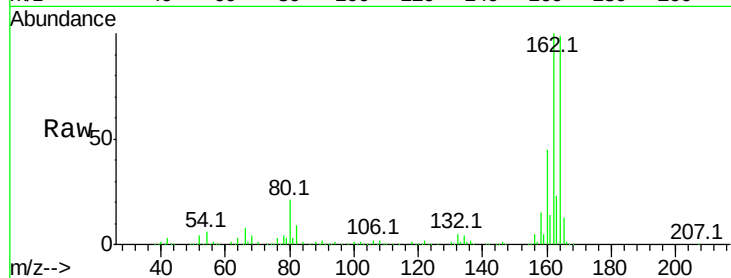




#50
 2,6-Dinitrotoluene
 Concen: 7.239 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

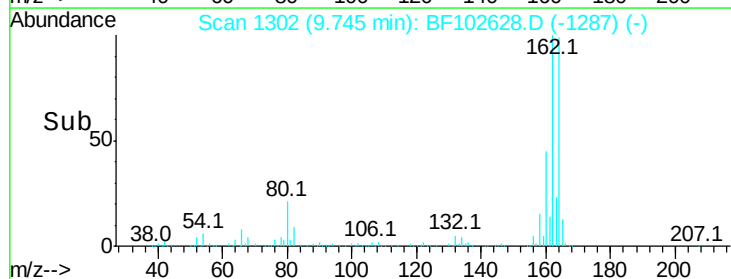
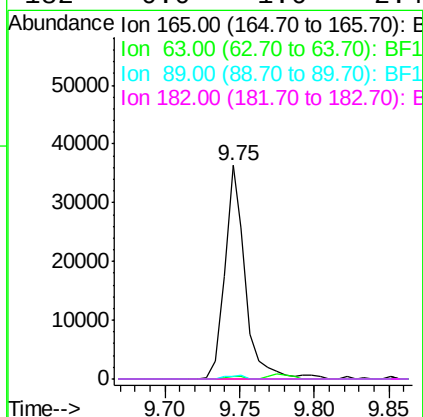
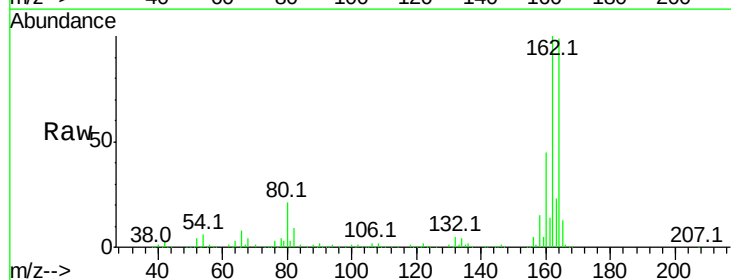
Instrument :
 BNA_F
 ClientSampleId :

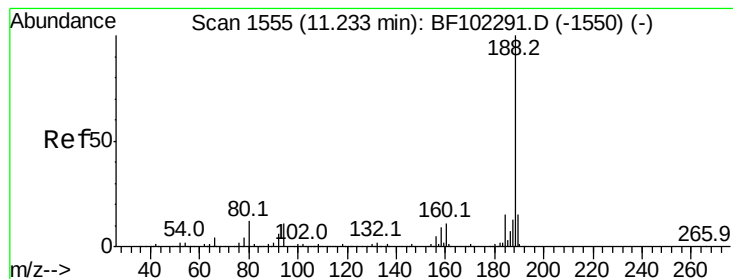
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.887 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

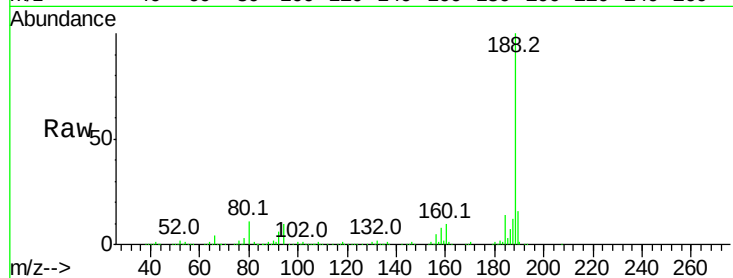
Tot Ion:188 Resp: 439221

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

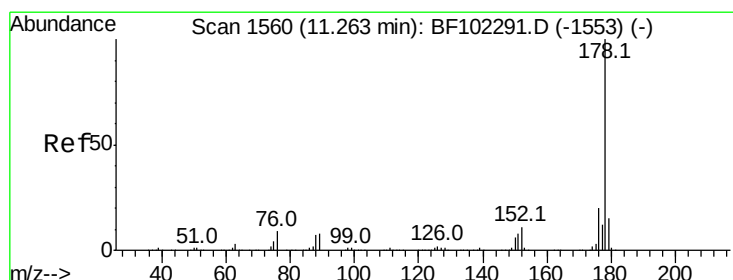
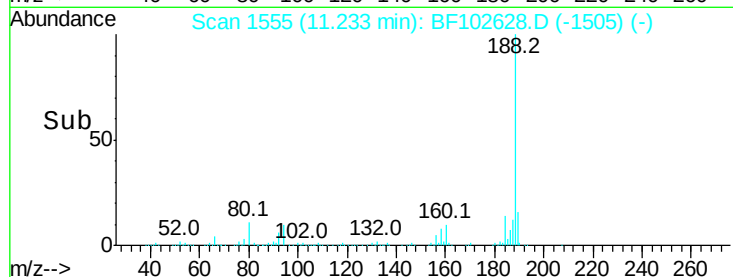
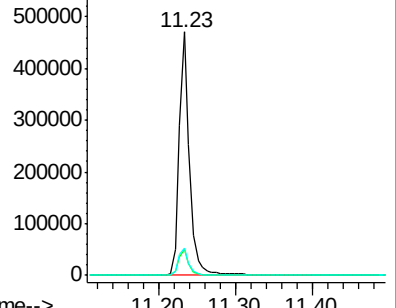
80 11.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 4.678 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

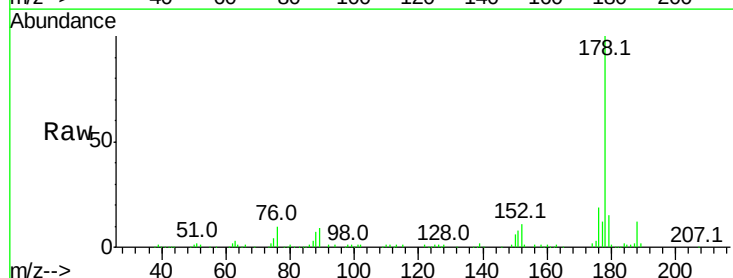
Tgt Ion:178 Resp: 119724

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

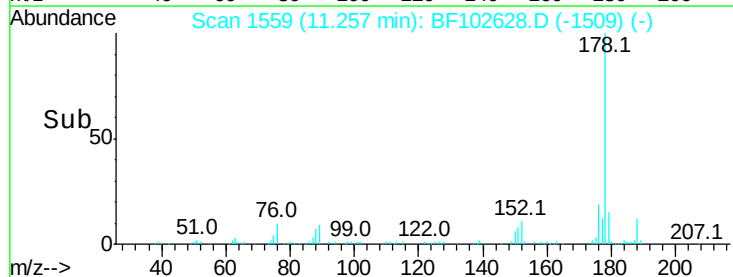
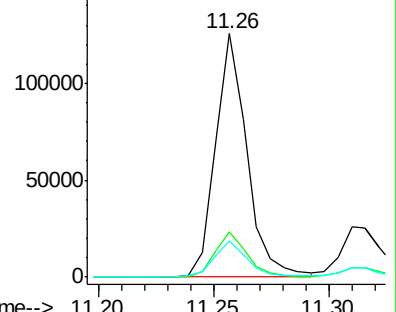
179 14.8 13.0 19.6

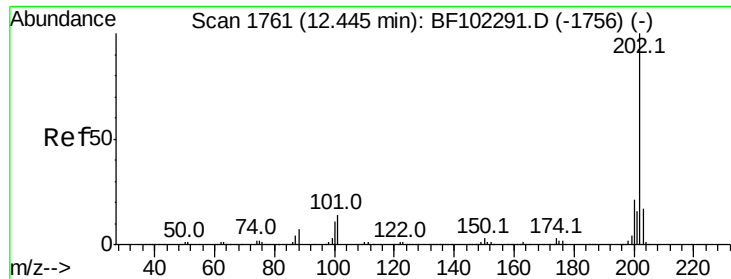


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.363 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

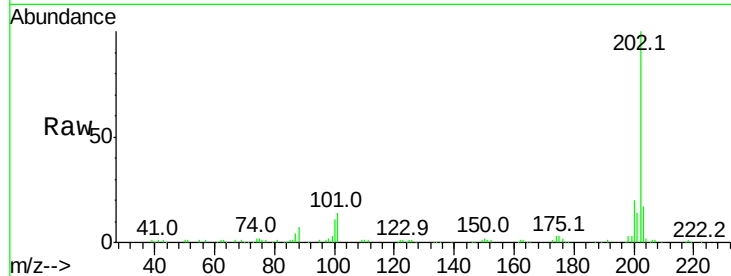
Tot Ion:202 Resp: 113882

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

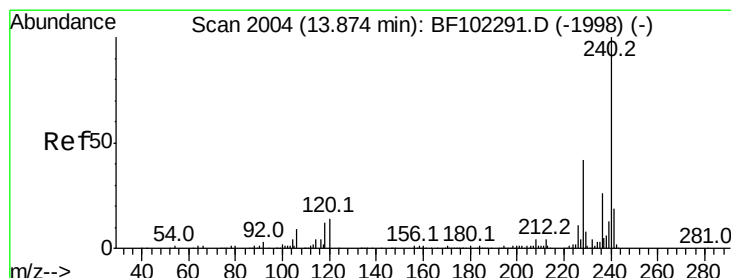
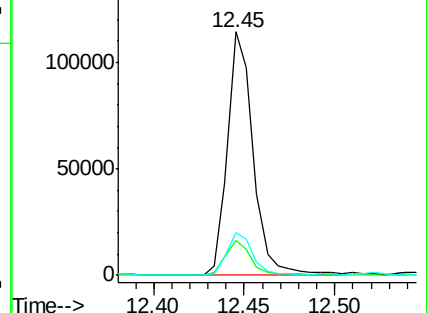
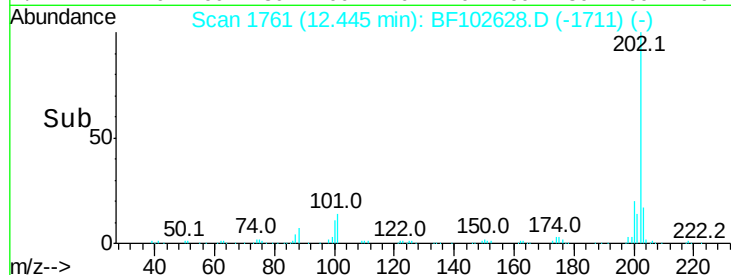
203 17.4 0.0 38.1



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# 2004

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

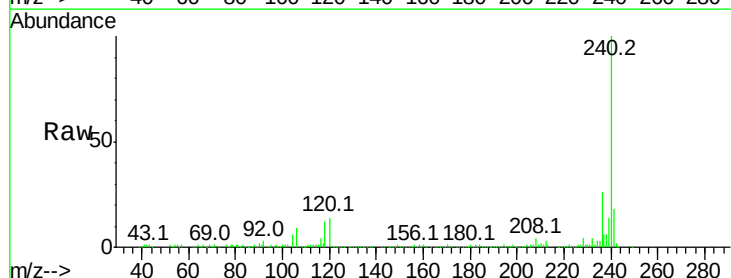
Tgt Ion:240 Resp: 274070

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

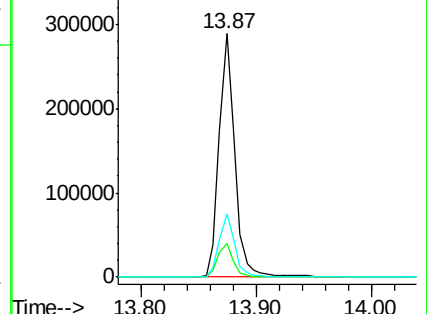
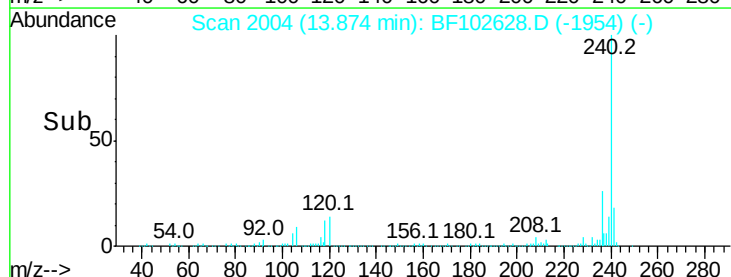
236 26.0 20.7 31.1

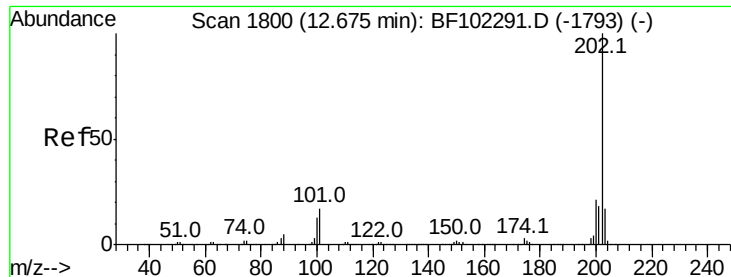


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.909 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampled :

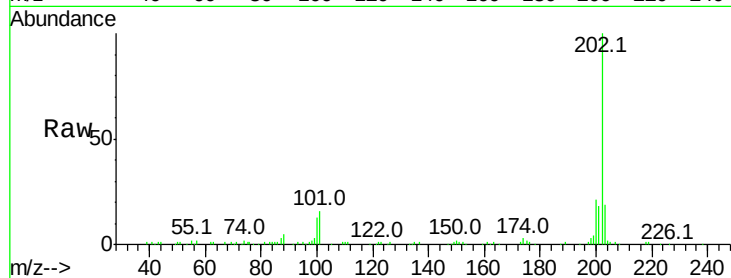
Tot Ion:202 Resp: 104018

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

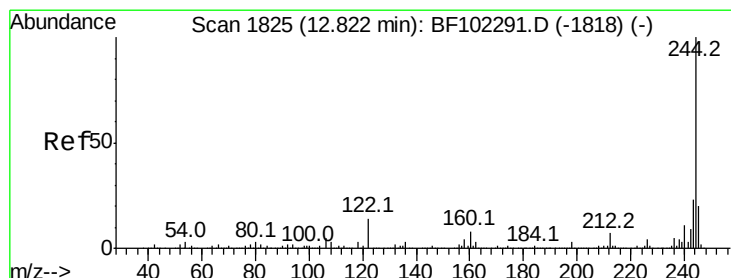
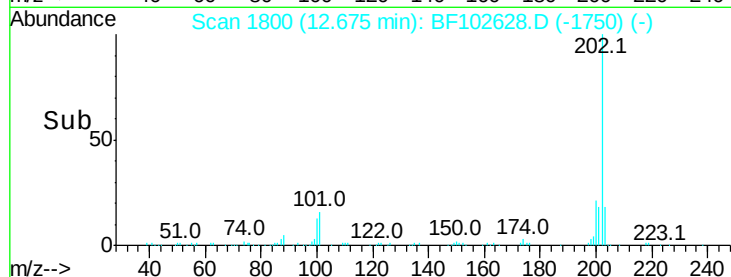
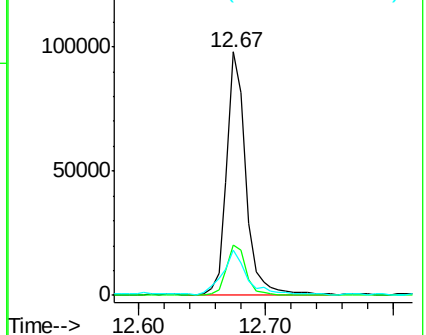
203 18.6 14.3 21.5



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: 5.209 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

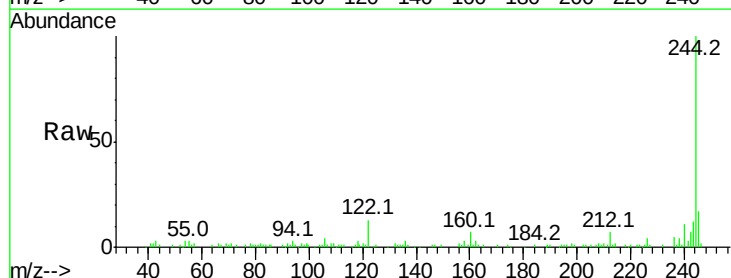
Tgt Ion:244 Resp: 63328

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

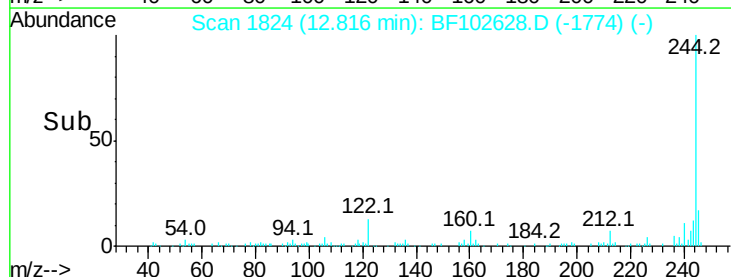
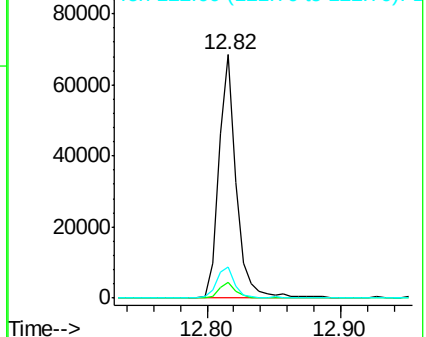
122 12.6 11.0 16.4

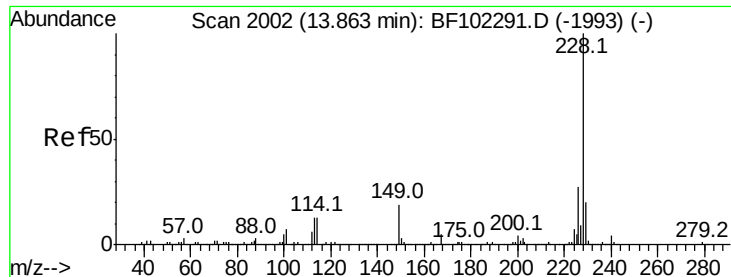


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.254 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

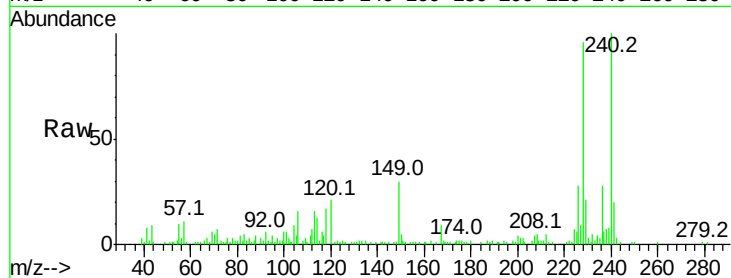
Tot Ion:228 Resp: 38034

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

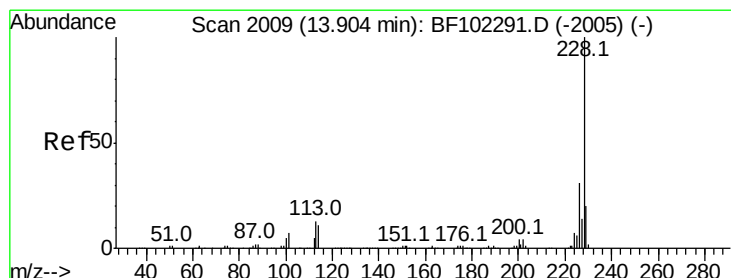
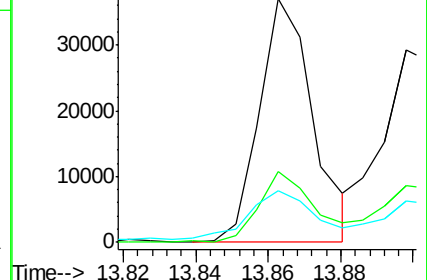
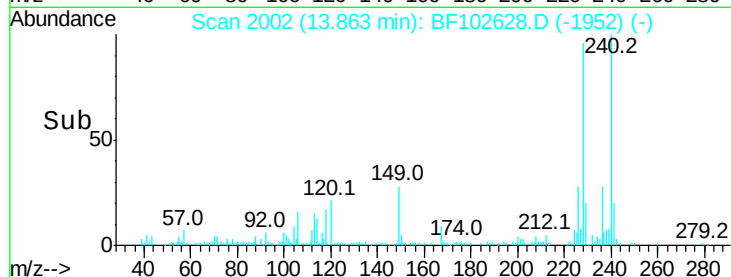
229 21.4 15.8 23.6



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: 2.197 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

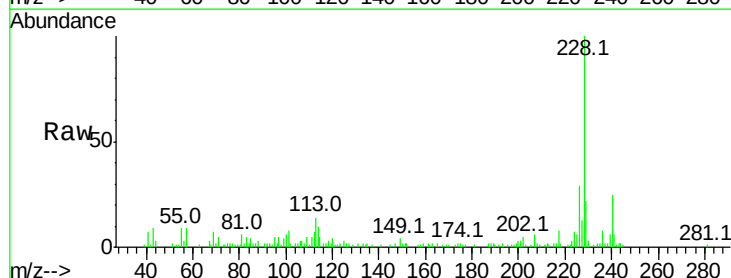
Tgt Ion:228 Resp: 37646

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

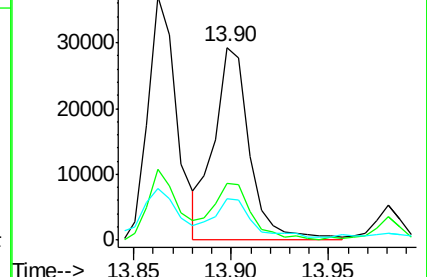
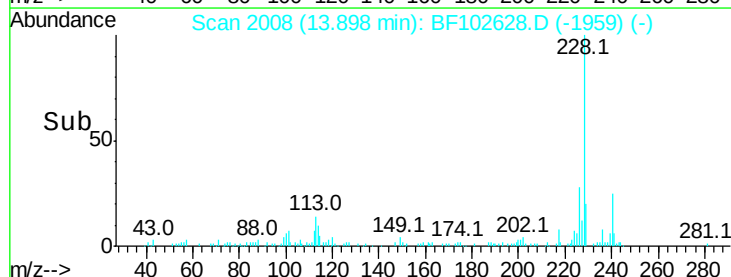
229 21.6 16.2 24.4

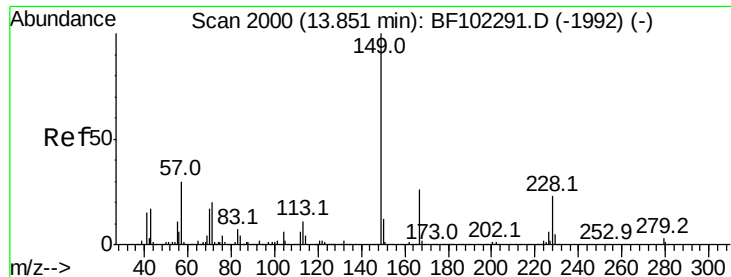


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

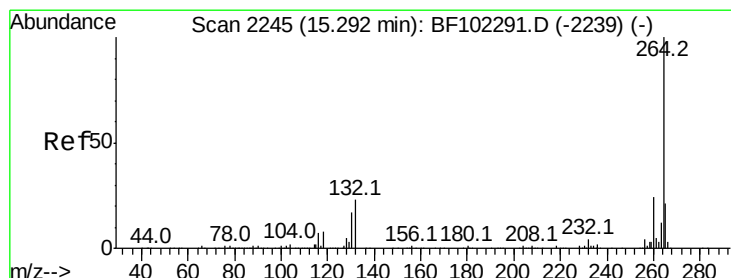
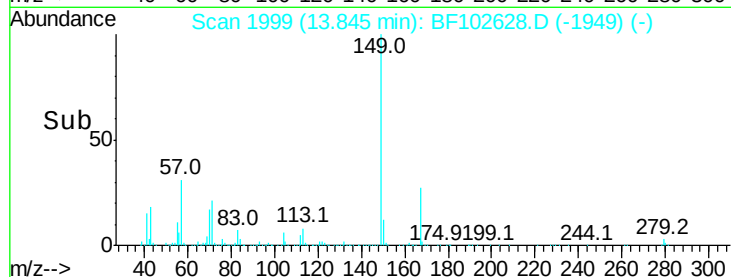
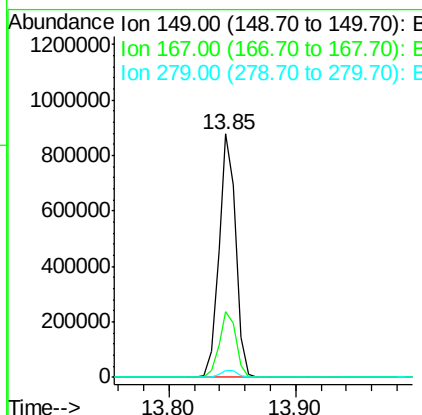
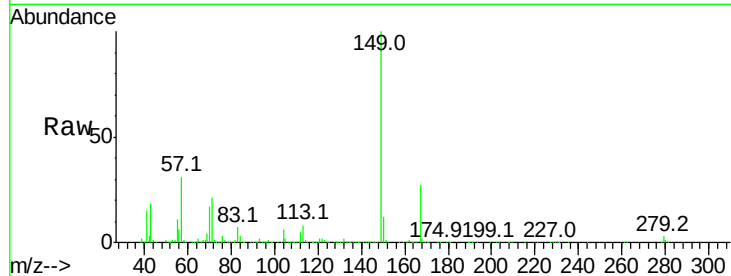




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 57.219 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

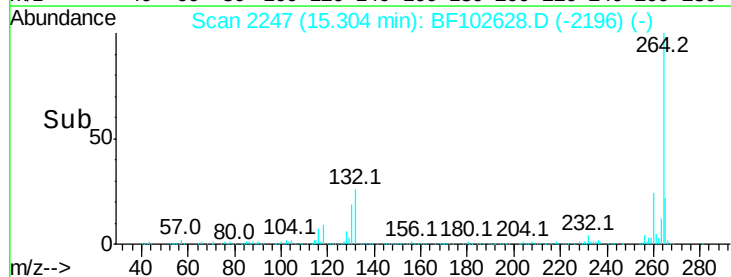
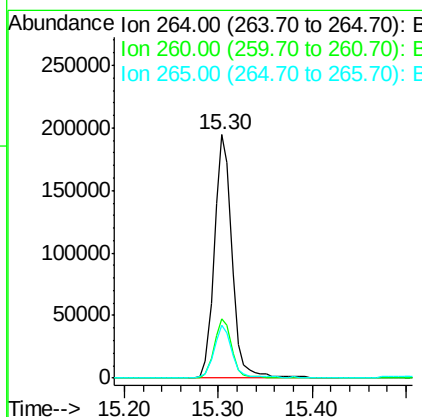
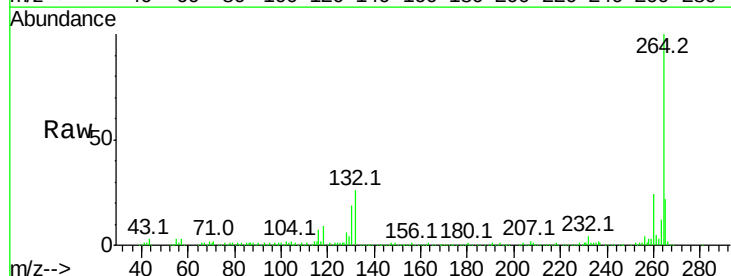
Instrument :
 BNA_F
 ClientSampled :

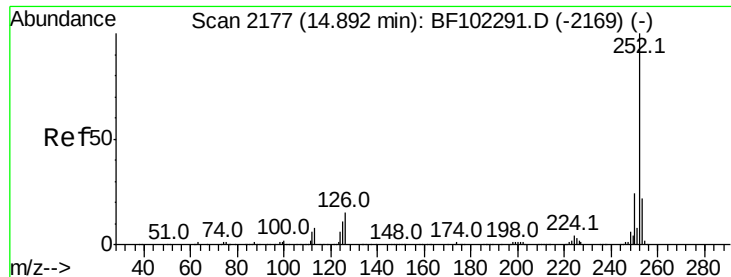
Tot Ion:149 Resp: 810896
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.3 31.9
 279 2.7 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102628.D
 Acq: 30 Jan 2018 6:34

Tgt Ion:264 Resp: 258321
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.109 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

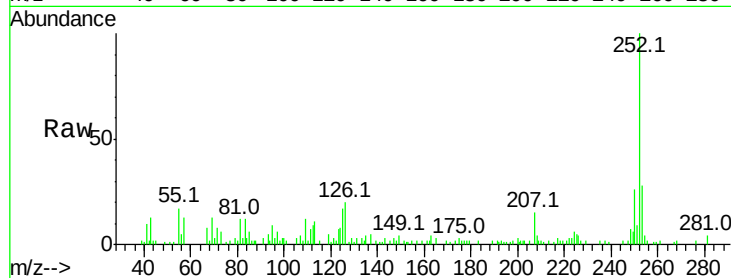
Tot Ion:252 Resp: 52058

Ion Ratio Lower Upper

252 100

253 27.7 17.0 25.6#

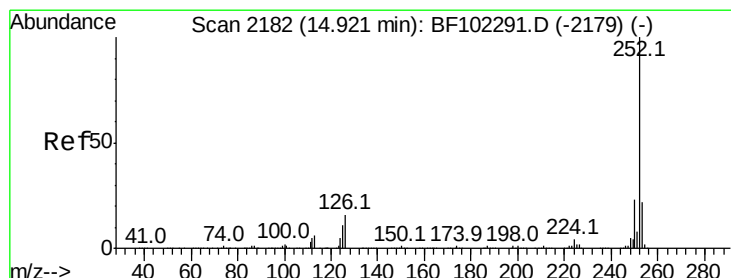
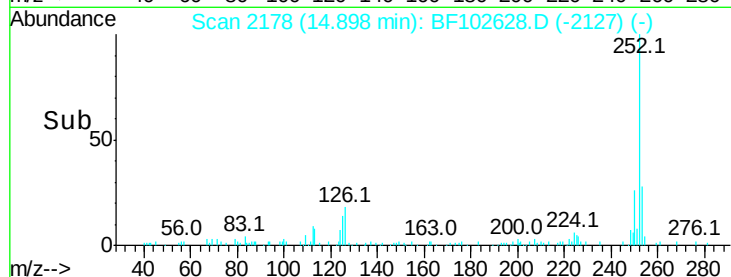
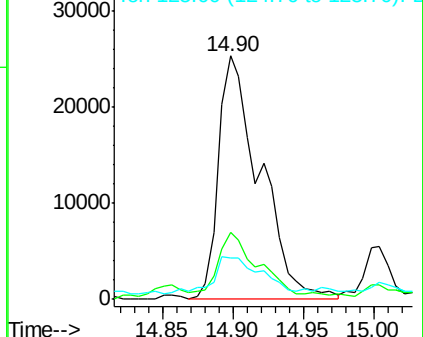
125 16.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.291 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.03 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

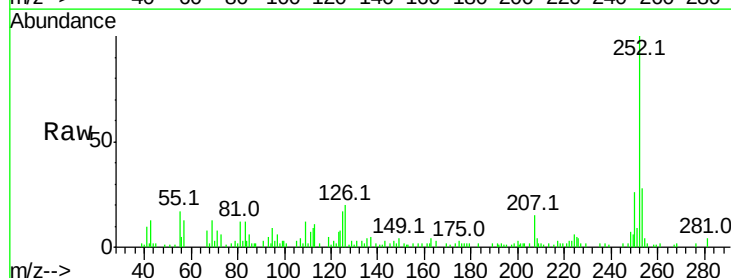
Tgt Ion:252 Resp: 52058

Ion Ratio Lower Upper

252 100

253 27.7 17.9 26.9#

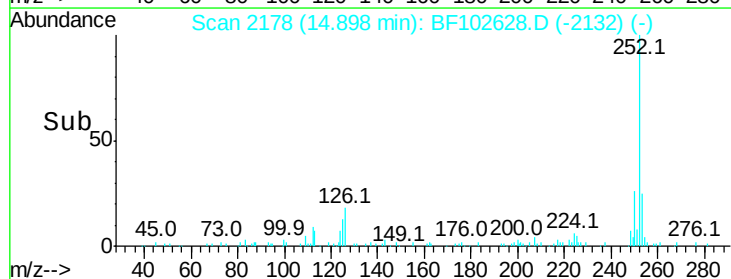
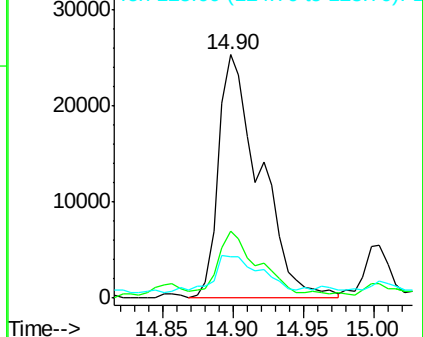
125 16.8 10.2 15.2#

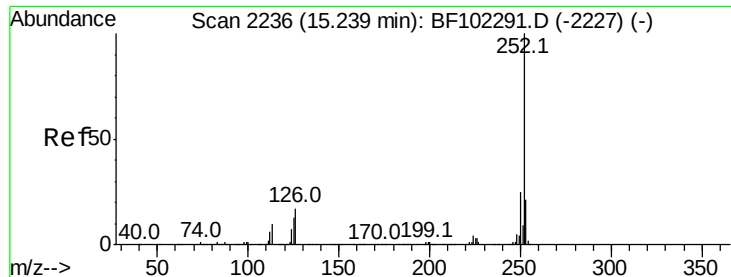


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.067 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF102628.D

Acq: 30 Jan 2018 6:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 31207

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 19.6 9.8 14.6

