

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102352.D
 Acq On : 23 Jan 2018 19:57
 Operator : SJ/JU
 Sample : J1015-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 23:44:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151440	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	642320	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	287995	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	499742	20.00	ng	0.00
75) Chrysene-d12	13.87	240	331041	20.00	ng	0.00
86) Perylene-d12	15.30	264	299455	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	958780	96.00	ng	0.00
7) Phenol-d6	6.36	99	1165189	96.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	716969	64.15	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	242225	84.88	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1175495	60.01	ng	0.00
78) Terphenyl-d14	12.82	244	1018209	69.34	ng	0.00

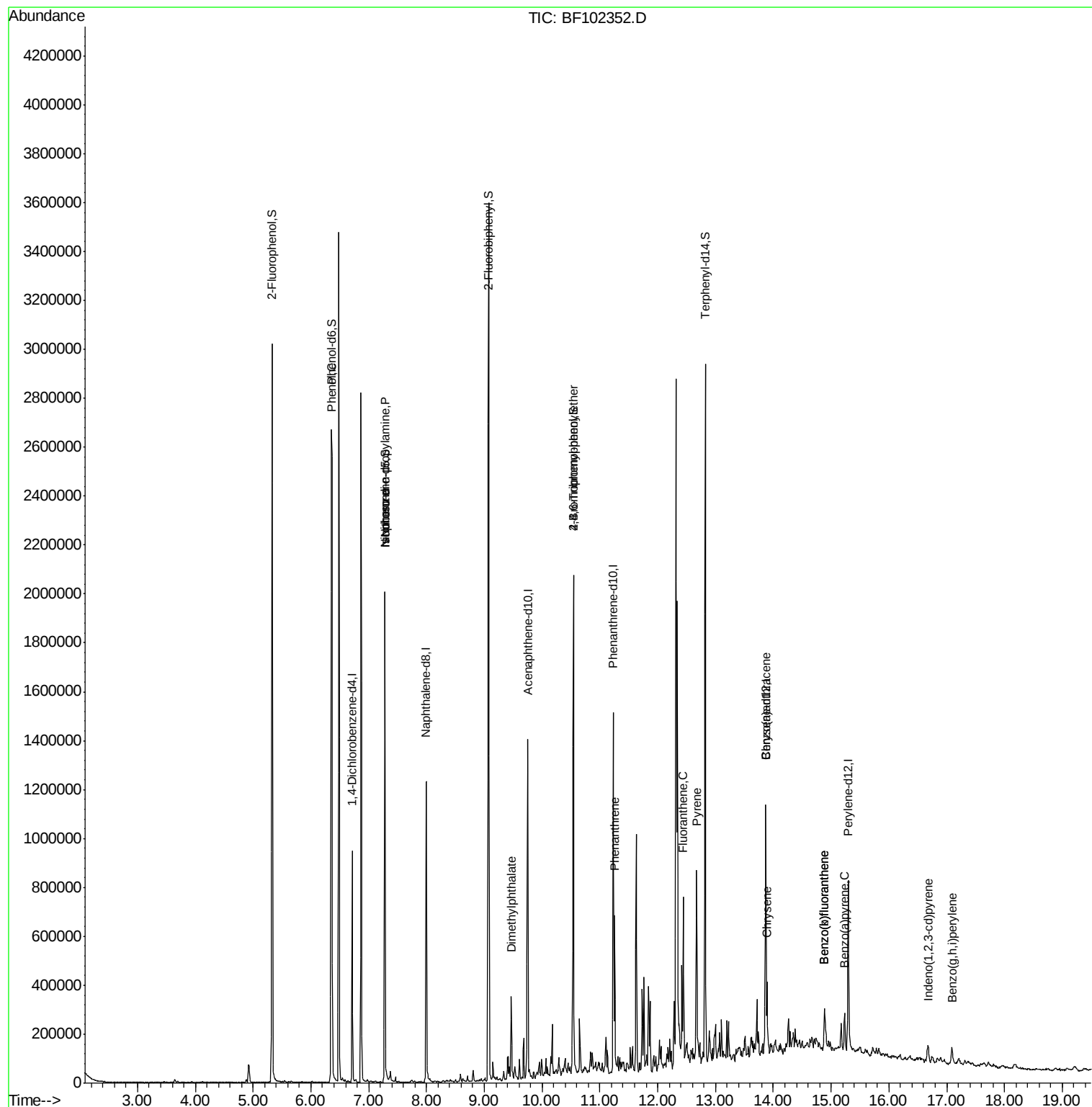
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	52209	3.972	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	95442	12.952	ng	# 79
25) Isophorone	7.28	82	703054	35.283	ng	# 64
49) Dimethylphthalate	9.47	163	120640	5.068	ng	99
66) 4-Bromophenyl-phenylether	10.54	248	16374	3.044	ng	# 1
70) Phenanthrene	11.26	178	216217	7.425	ng	97
74) Fluoranthene	12.44	202	228144	7.683	ng	98
77) Pyrene	12.67	202	311815	12.183	ng	99
80) Benzo(a)anthracene	13.86	228	90680	4.449	ng	93
82) Chrysene	13.90	228	112892	5.455	ng	96
85) Indeno(1,2,3-cd)pyrene	16.67	276	41691	2.439	ng	98
87) Benzo(b)fluoranthene	14.89	252	112721	5.808	ng	# 91
88) Benzo(k)fluoranthene	14.89	252	112721	6.147	ng	# 94
89) Benzo(a)pyrene	15.23	252	67886	3.878	ng	# 92
91) Benzo(a,h,i)perylene	17.09	276	49200	3.514	ng	# 90

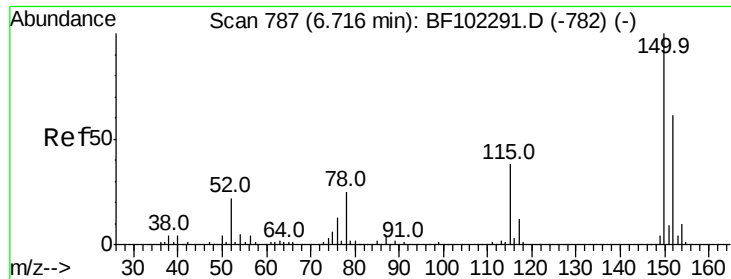
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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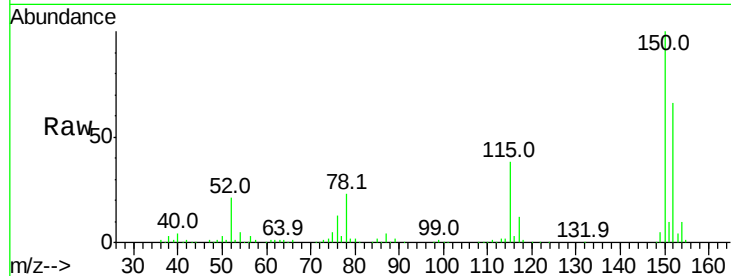


#1

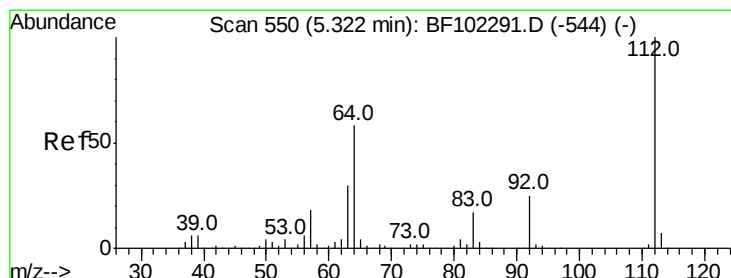
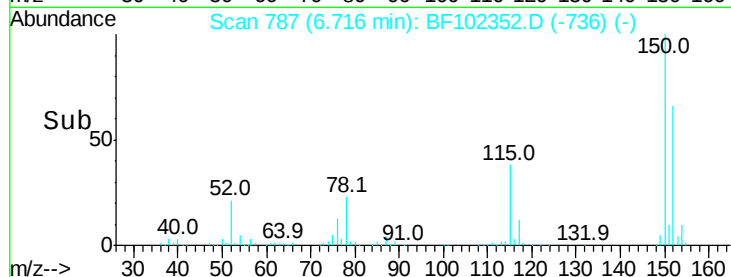
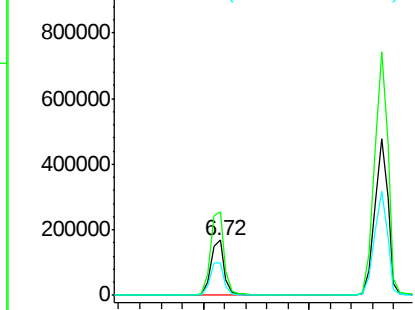
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 151440
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 58.4 50.1 75.1



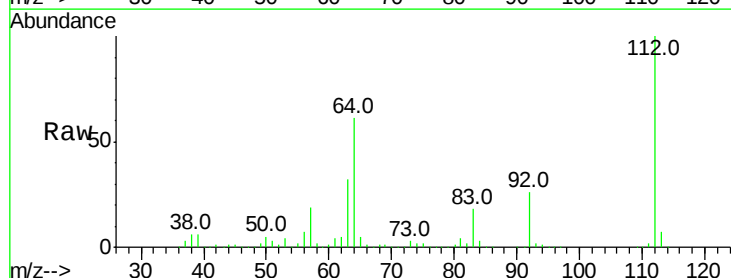
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



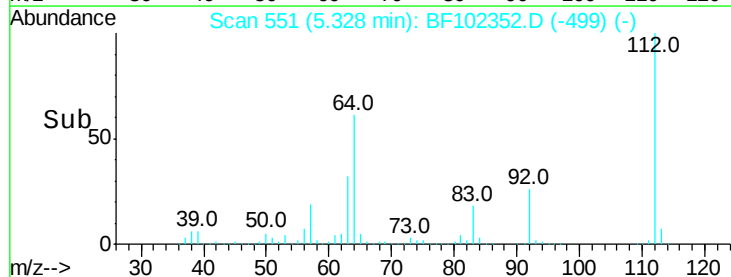
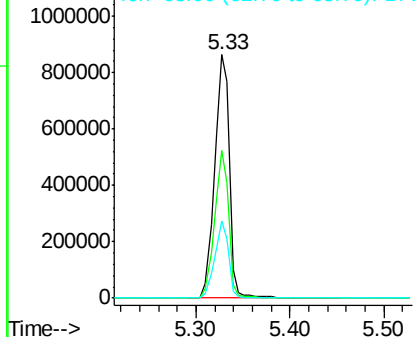
#5

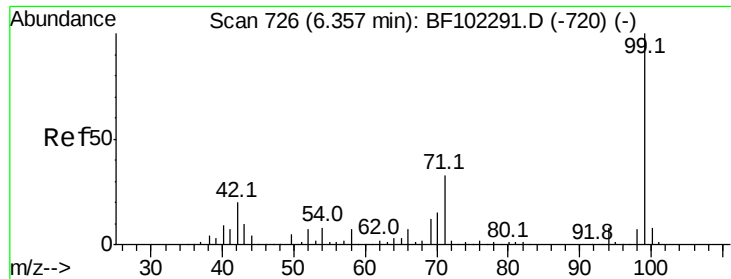
2-Fluorophenol
Concen: 95.996 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion:112 Resp: 958780
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.6 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: 96.768 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

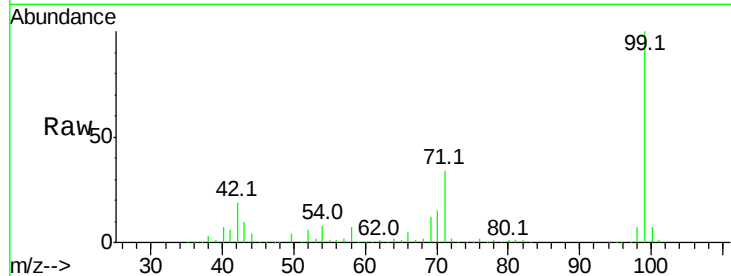
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1165189

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	34.2	25.4	38.0

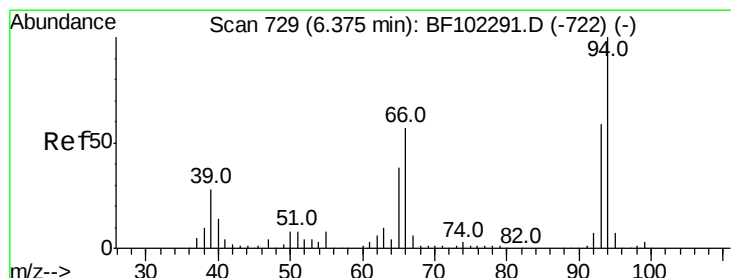
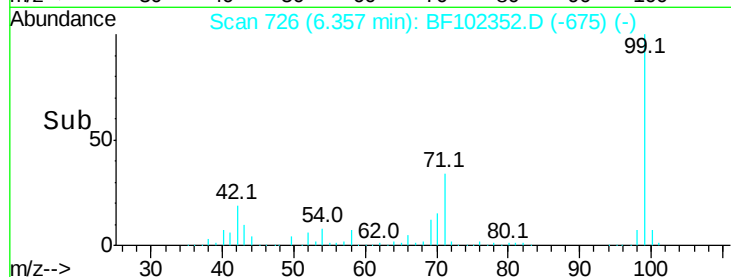
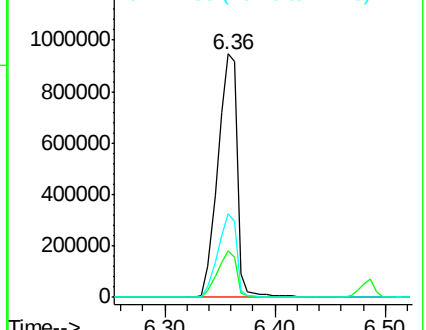


Abundance

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: 3.972 ng

RT: 6.37 min Scan# 728

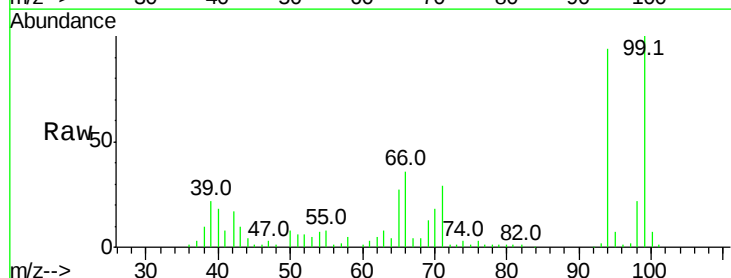
Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Tgt Ion: 94 Resp: 52209

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.9	47.9
66	38.3	16.2	56.2

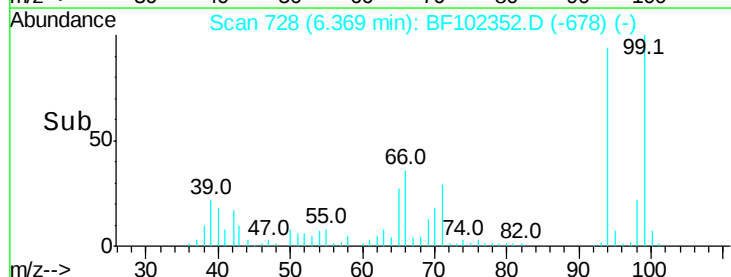
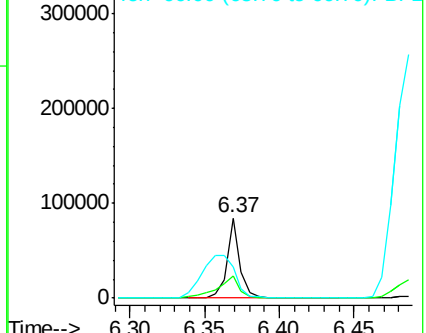


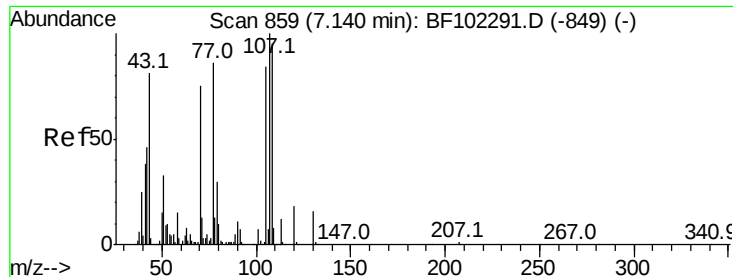
Abundance

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

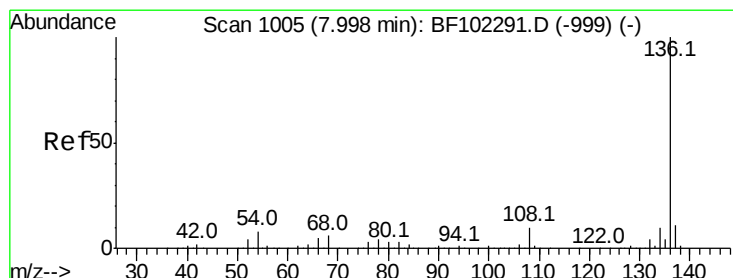
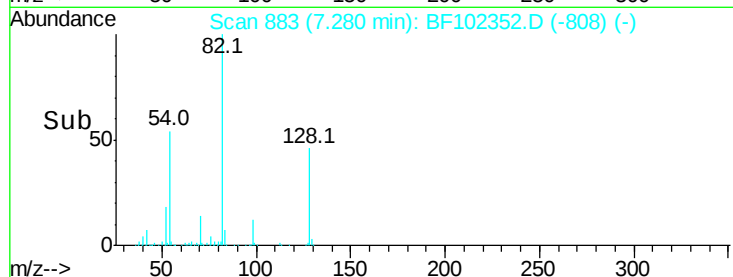
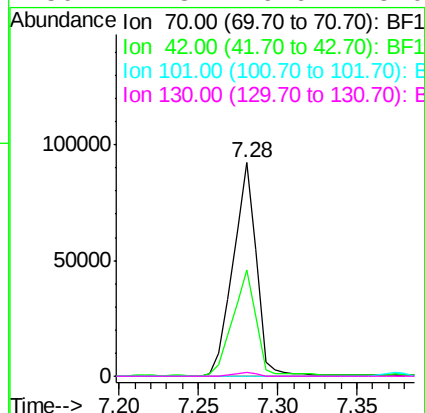
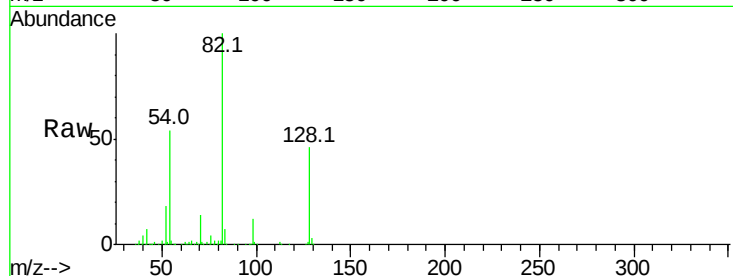




#19
n-Nitroso-di-n-propylamine
Concen: 12.952 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

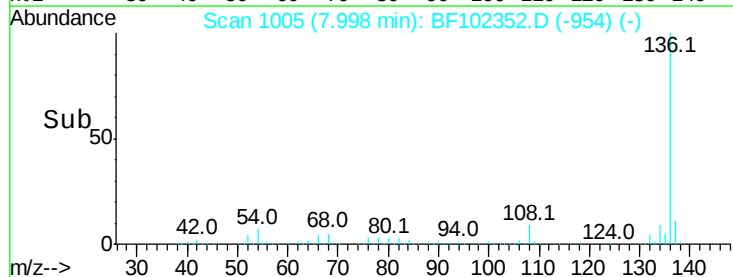
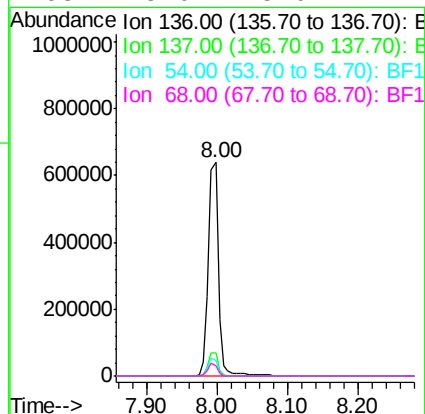
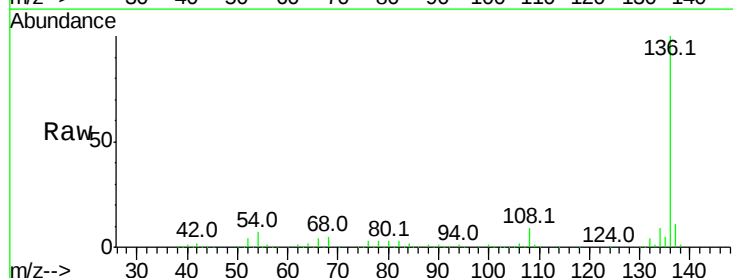
Instrument :
BNA_F
ClientSampleId :

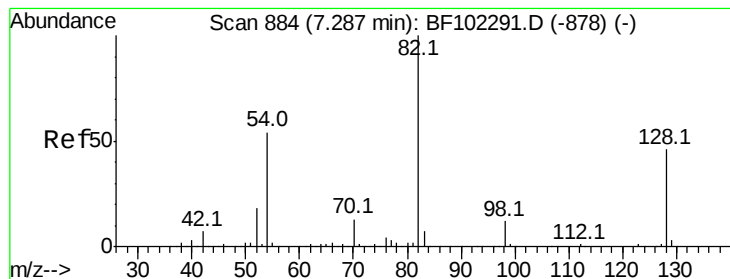
Tot Ion: 70 Resp: 95442
Ion Ratio Lower Upper
70 100
42 49.8 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion:136 Resp: 642320
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 6.6 9.8
68 5.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 64.146 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

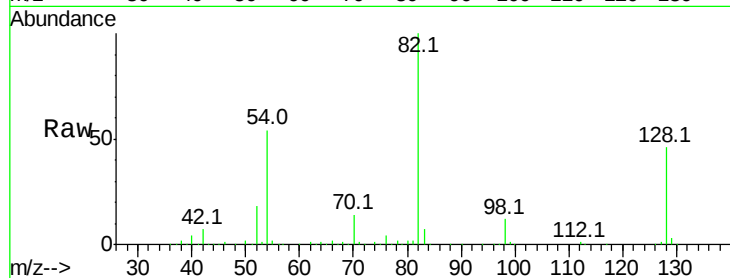
Tot Ion: 82 Resp: 716969

Ion Ratio Lower Upper

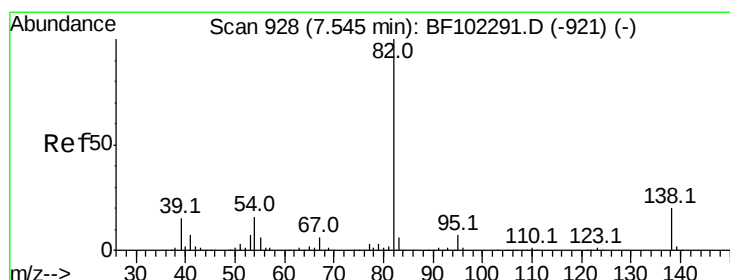
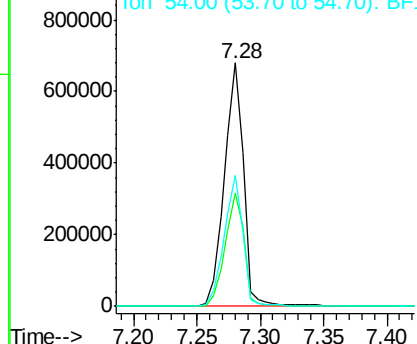
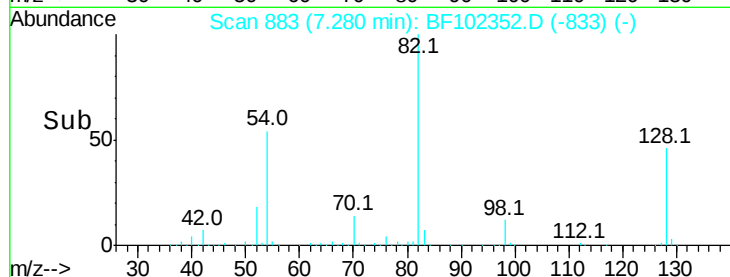
82 100

128 46.4 36.1 54.1

54 53.6 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: 35.283 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

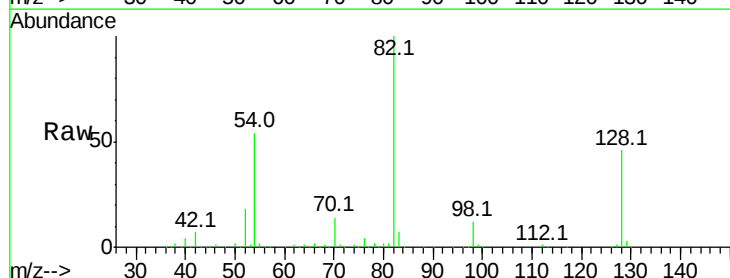
Tgt Ion: 82 Resp: 703054

Ion Ratio Lower Upper

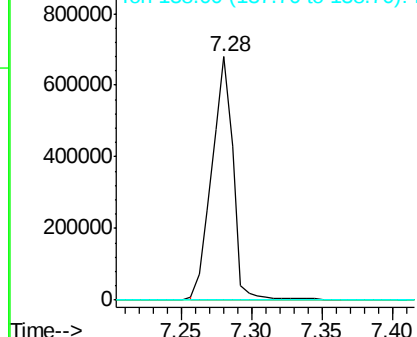
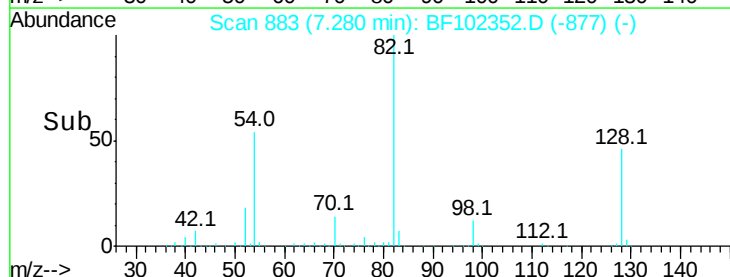
82 100

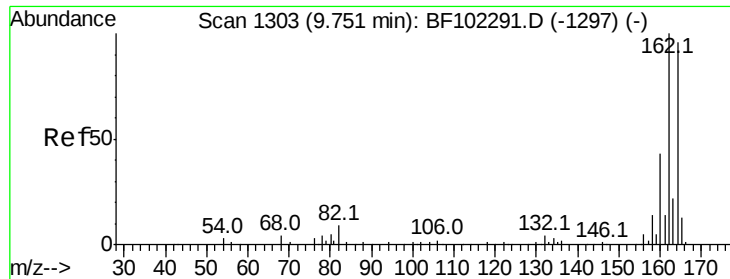
95 0.0 5.2 7.8#

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. -0.00 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

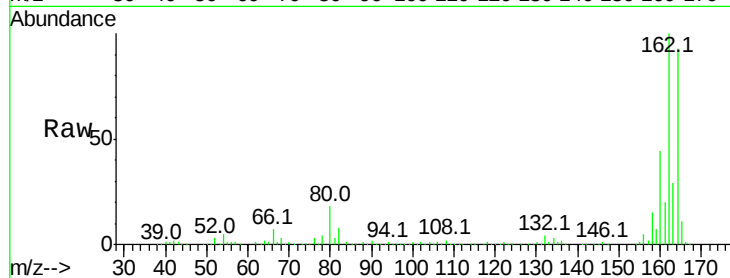
Tot Ion:164 Resp: 287995

Ion Ratio Lower Upper

164 100

162 107.6 86.1 129.1

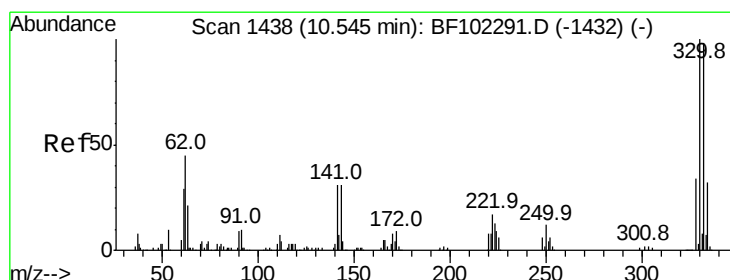
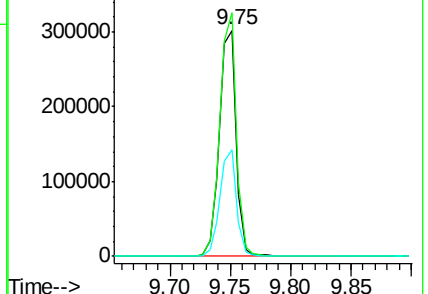
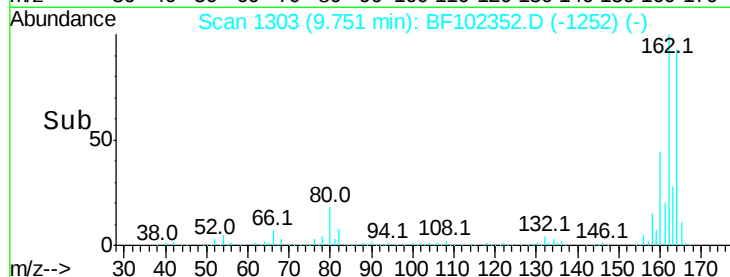
160 46.9 38.3 57.5



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: 84.884 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

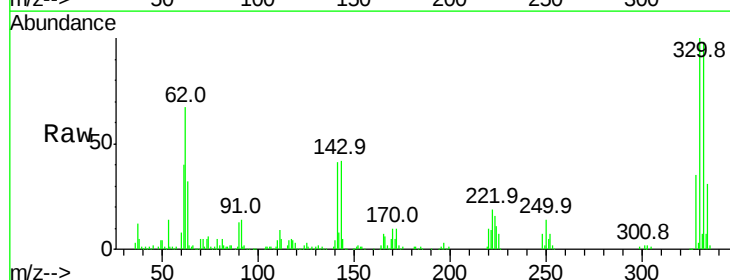
Tgt Ion:330 Resp: 242225

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

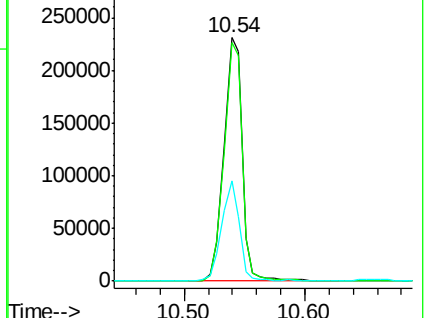
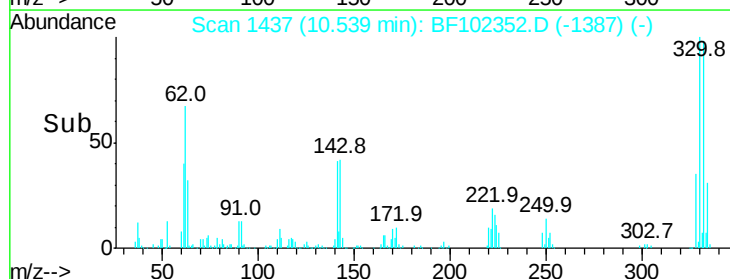
141 39.5 29.9 44.9

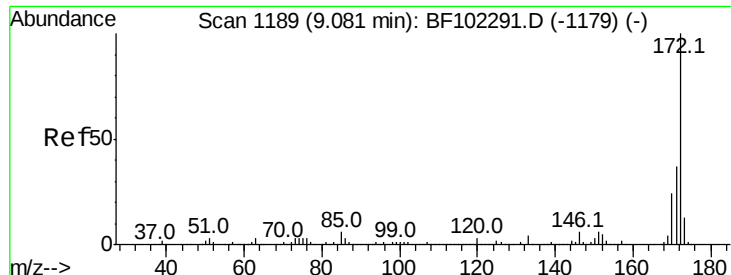


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

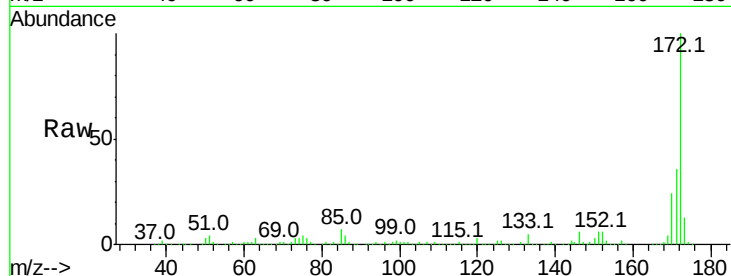




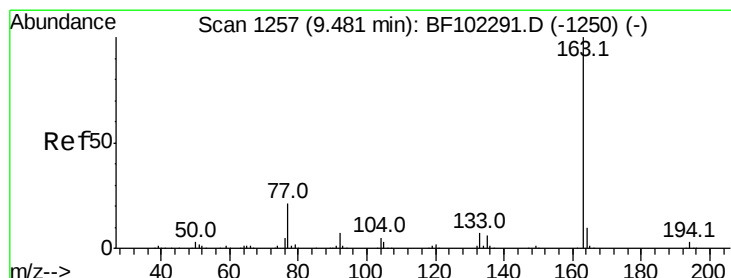
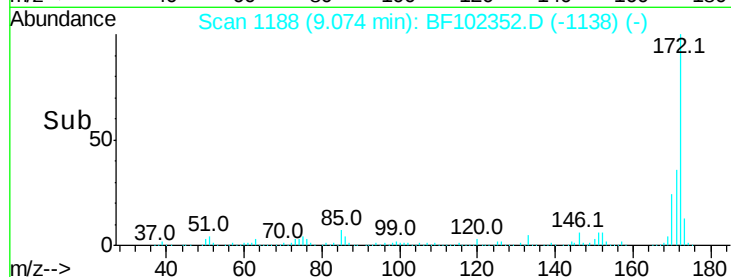
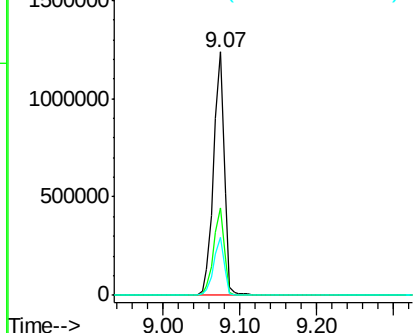
#44
2-Fluorobiphenyl
Concen: 60.015 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1175495
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.0 19.6 29.4

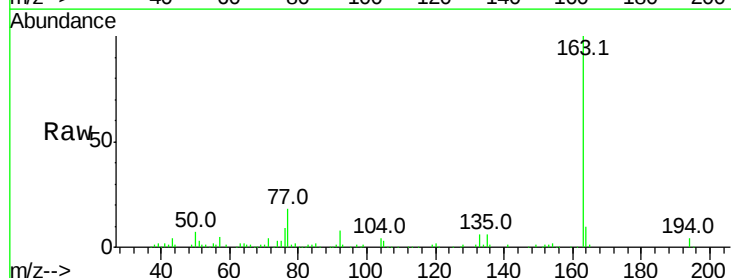


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

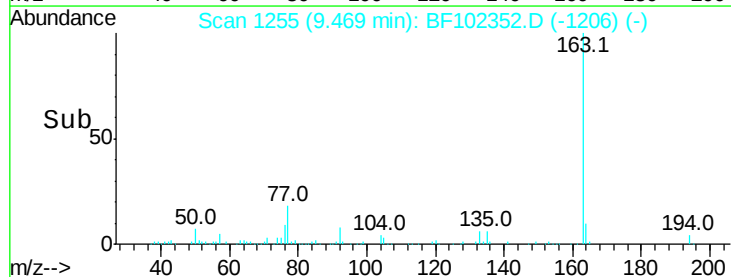
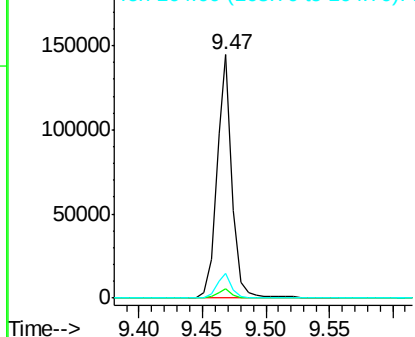


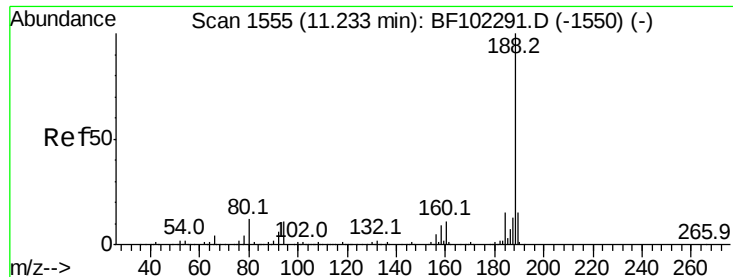
#49
Dimethylphthalate
Concen: 5.068 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion:163 Resp: 120640
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.0 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

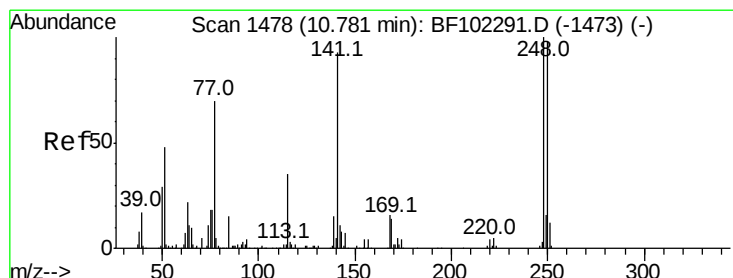
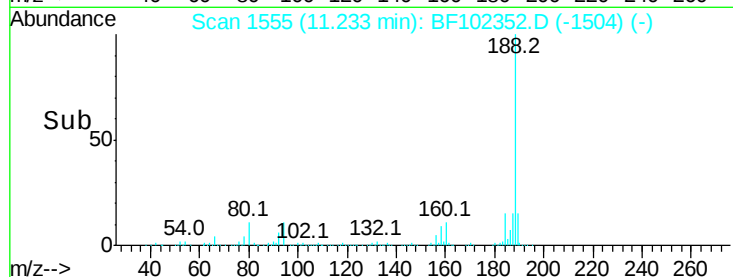
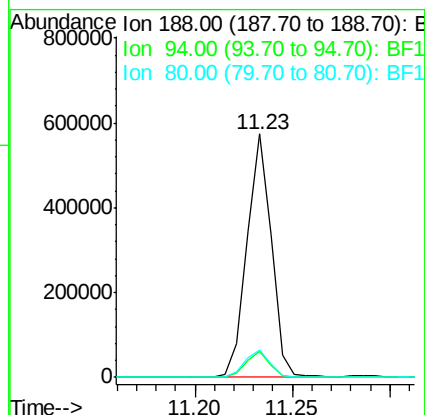
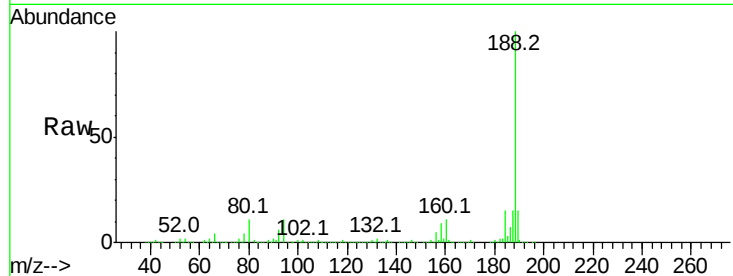




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

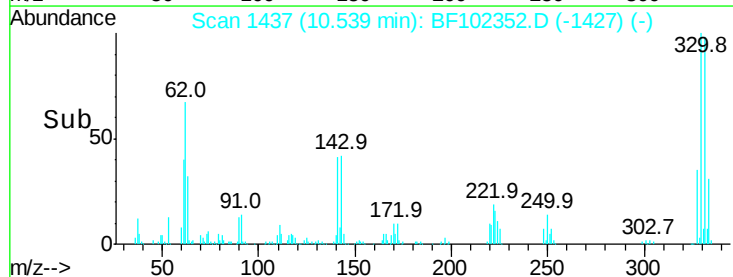
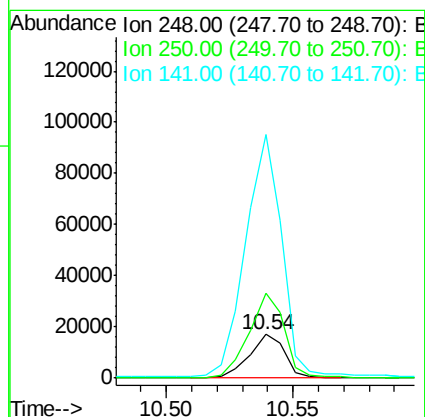
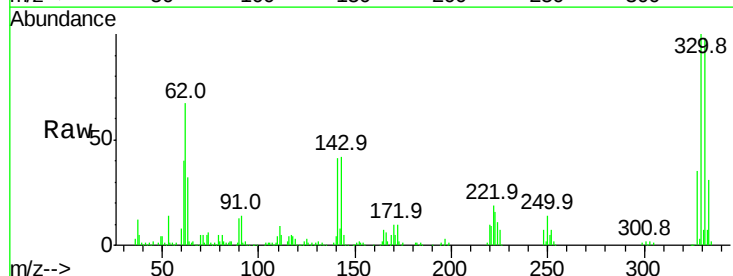
Instrument :
BNA_F
ClientSampleId :

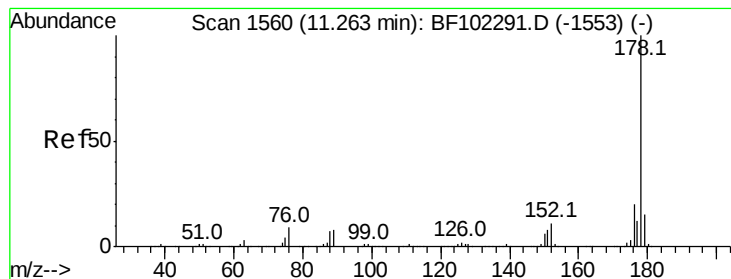
Tot Ion:188 Resp: 499742
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.0 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.044 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion:248 Resp: 16374
Ion Ratio Lower Upper
248 100
250 195.0 76.9 115.3#
141 559.9 74.4 111.6#





#70

Phenanthrene

Concen: 7.425 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

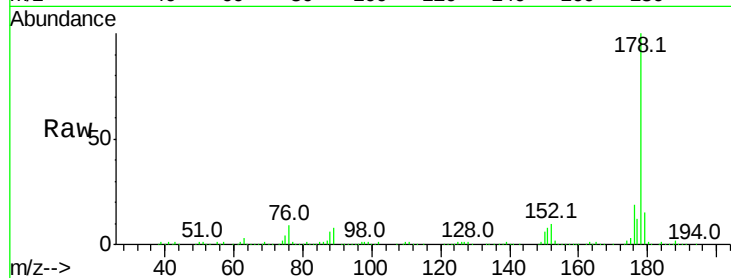
Tot Ion:178 Resp: 216217

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

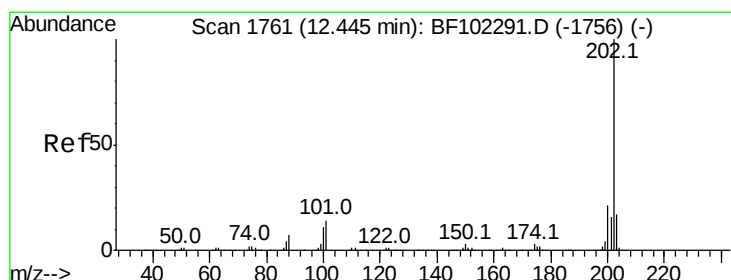
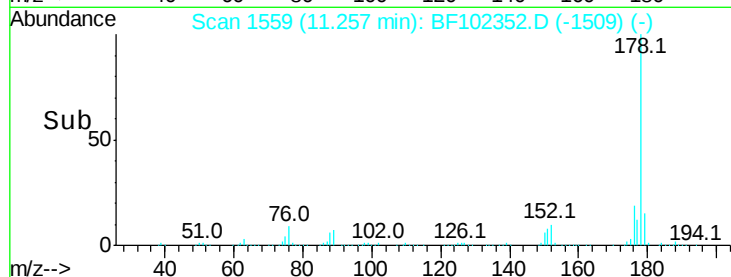
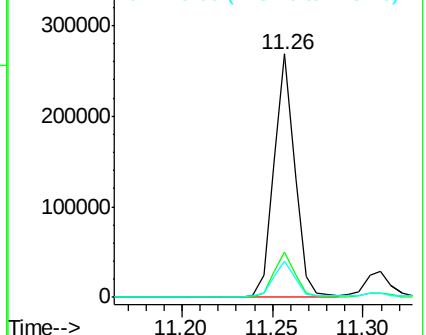
179 15.0 13.0 19.6



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: 7.683 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

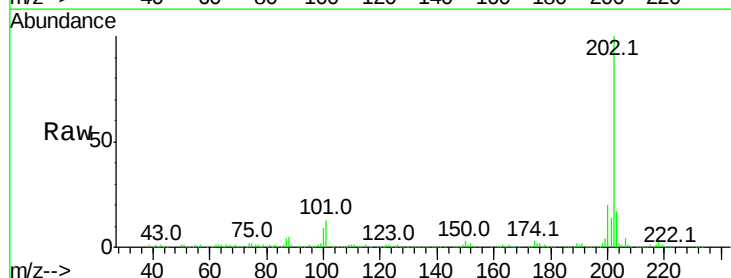
Tgt Ion:202 Resp: 228144

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

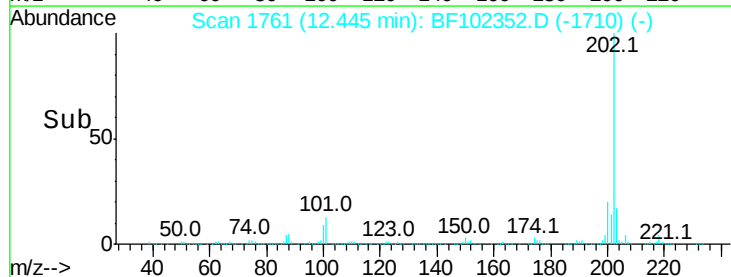
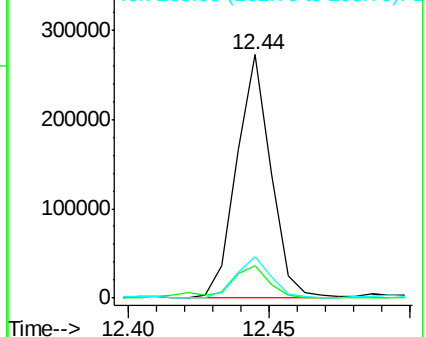
203 17.2 0.0 38.1

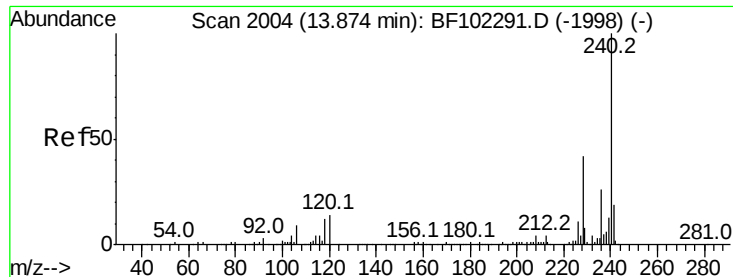


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

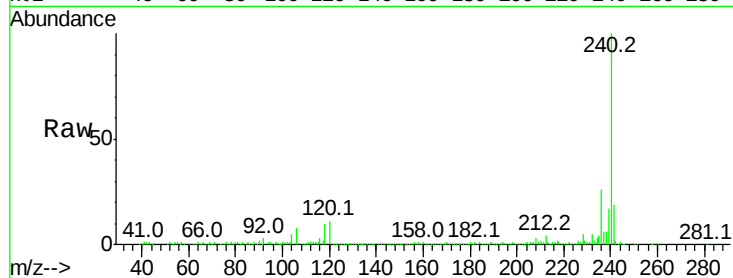
Tot Ion:240 Resp: 331041

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

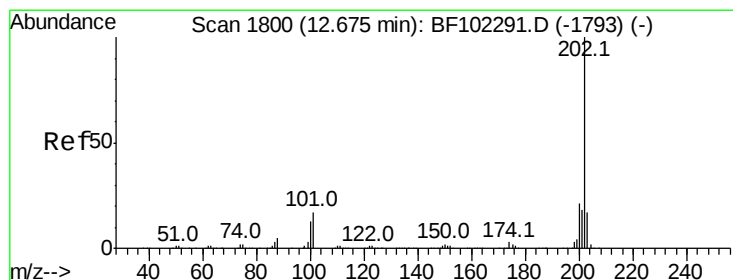
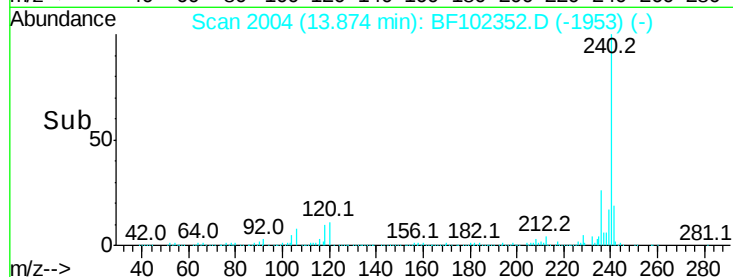
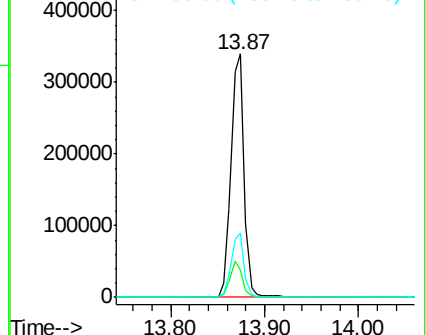
236 26.4 20.7 31.1



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: 12.183 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

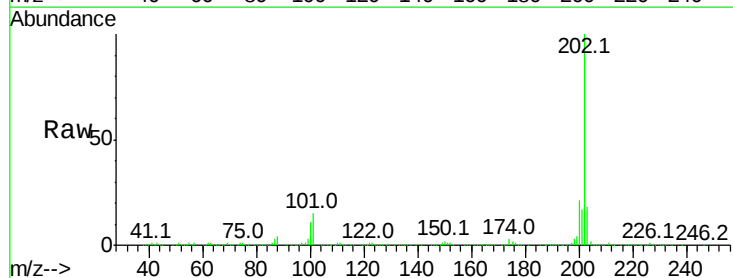
Tgt Ion:202 Resp: 311815

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

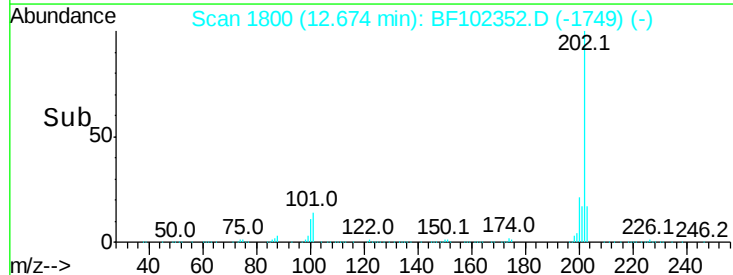
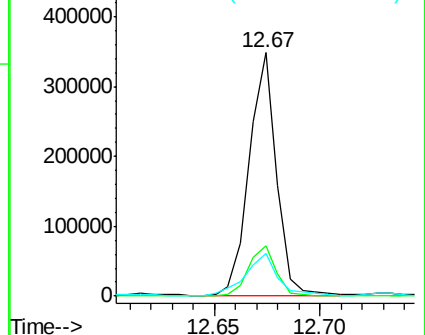
203 17.8 14.3 21.5

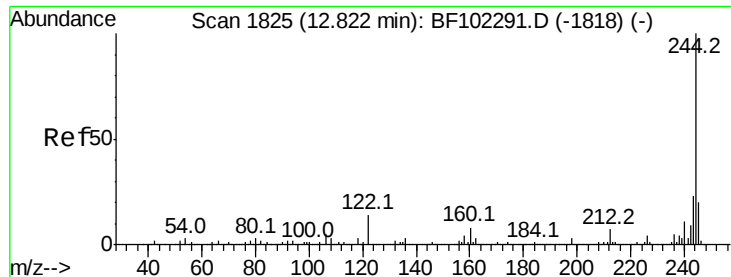


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

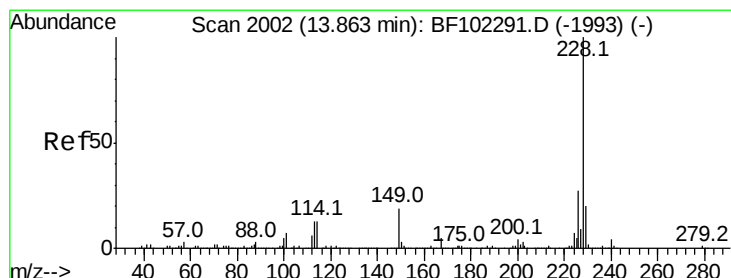
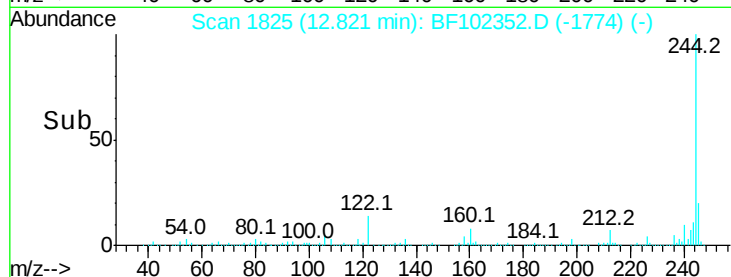
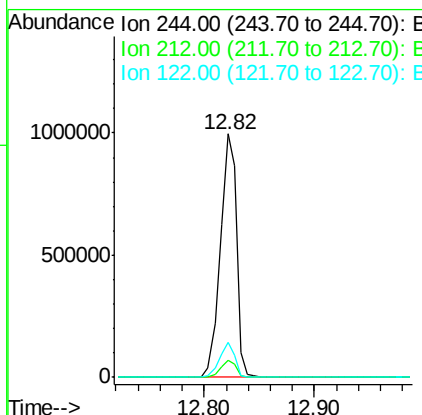
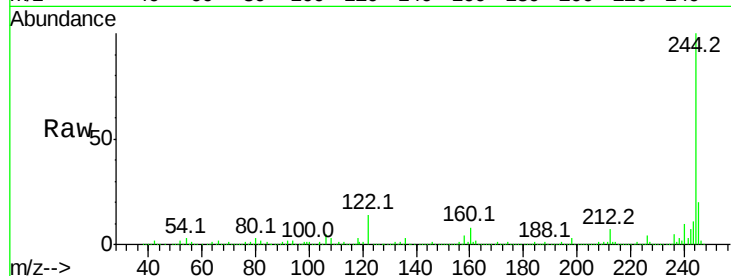




#78
 Terphenyl-d14
 Concen: 69.339 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102352.D
 Acq: 23 Jan 2018 19:57

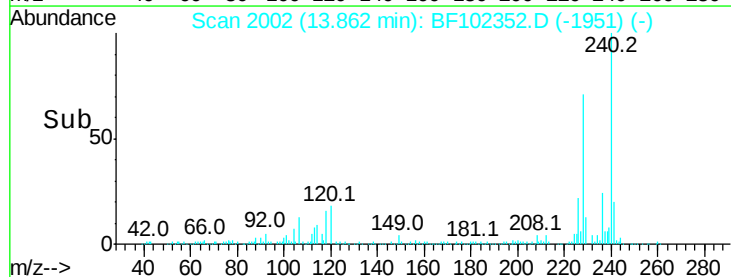
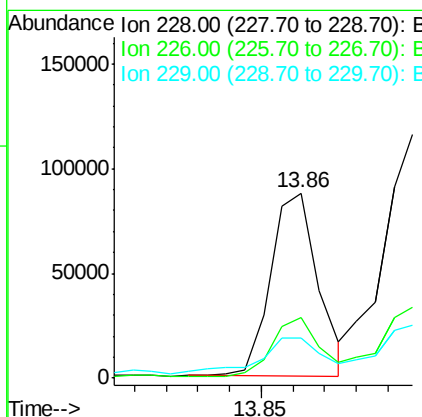
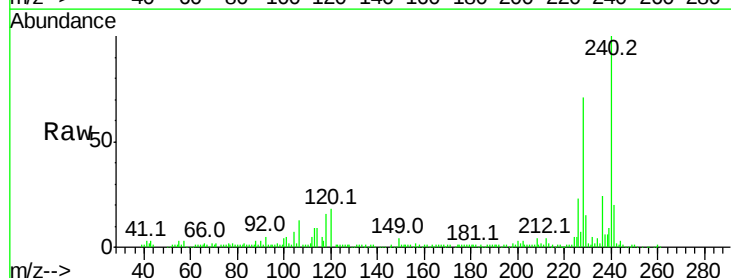
Instrument :
 BNA_F
 ClientSampled :

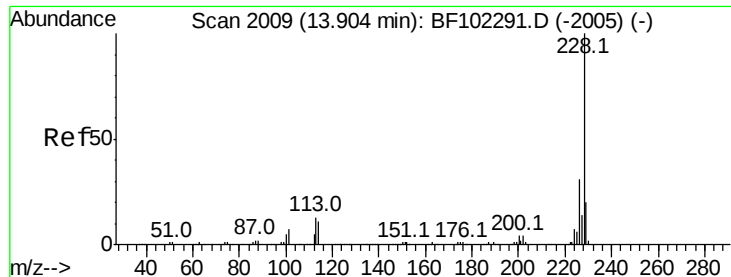
Tot Ion:244 Resp: 1018209
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.449 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF102352.D
 Acq: 23 Jan 2018 19:57

Tgt Ion:228 Resp: 90680
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.6 33.8
 229 21.5 15.8 23.6





#82

Chrysene

Concen: 5.455 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

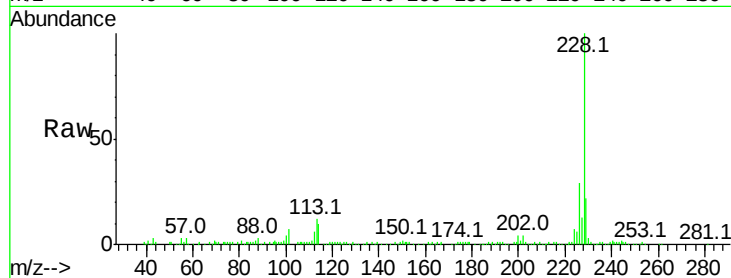
Tot Ion:228 Resp: 112892

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

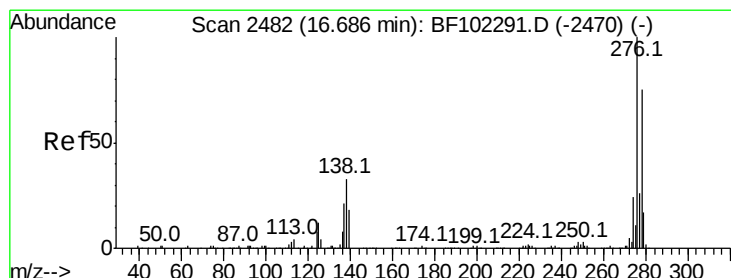
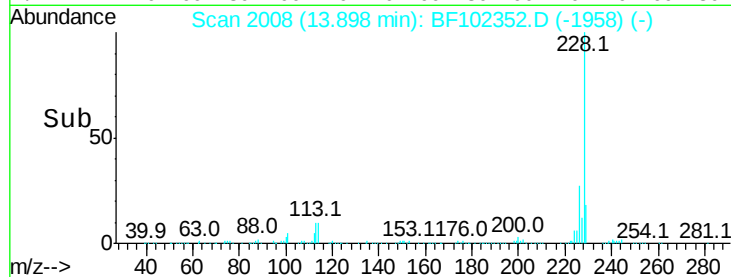
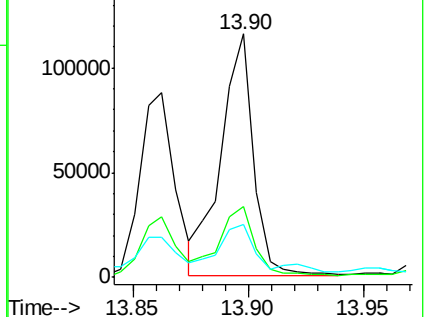
229 21.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.439 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

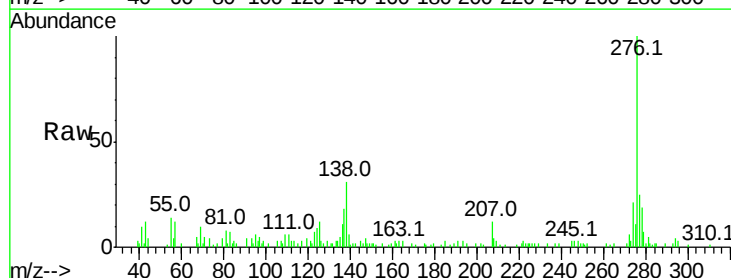
Tgt Ion:276 Resp: 41691

Ion Ratio Lower Upper

276 100

138 29.6 25.0 37.6

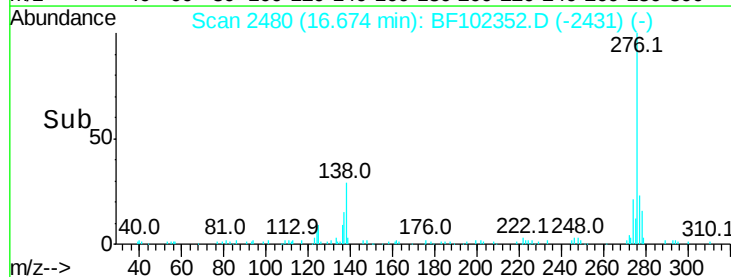
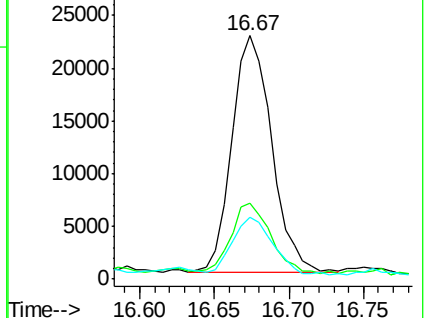
277 24.6 20.1 30.1

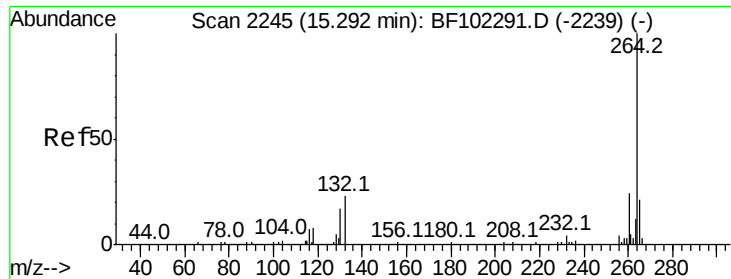


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

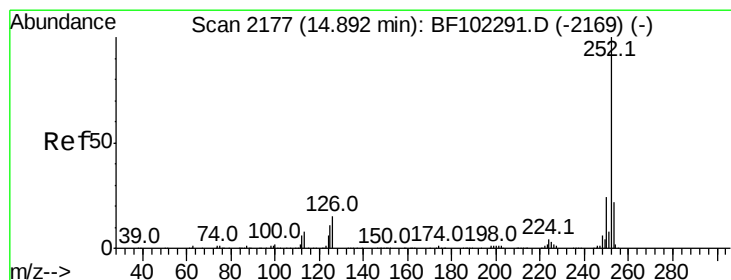
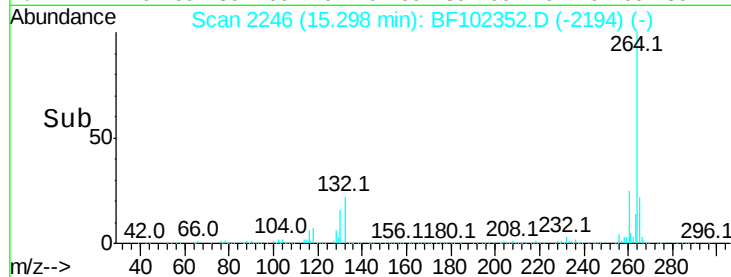
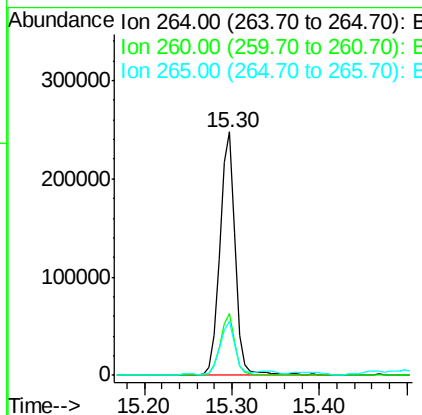
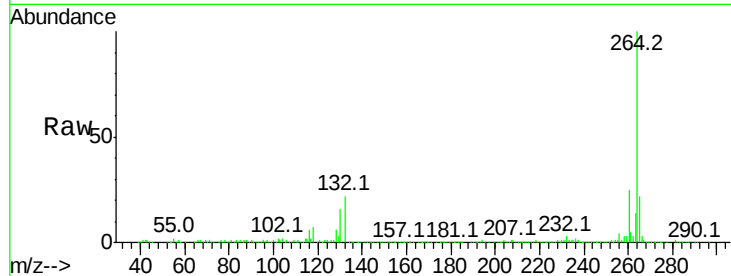




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

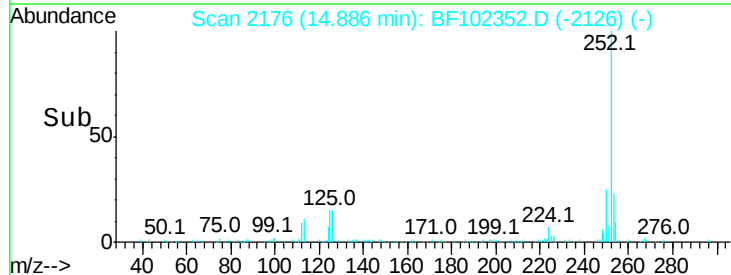
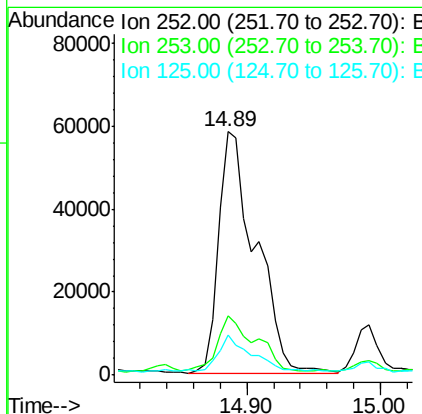
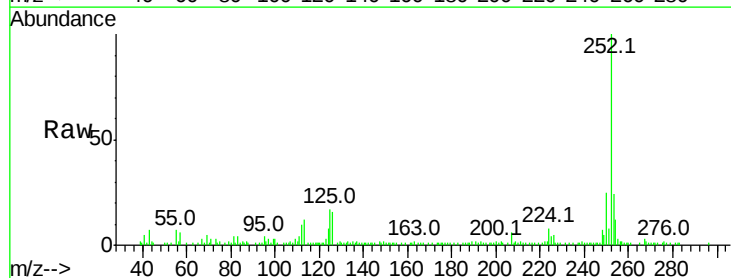
Instrument :
BNA_F
ClientSampleId :

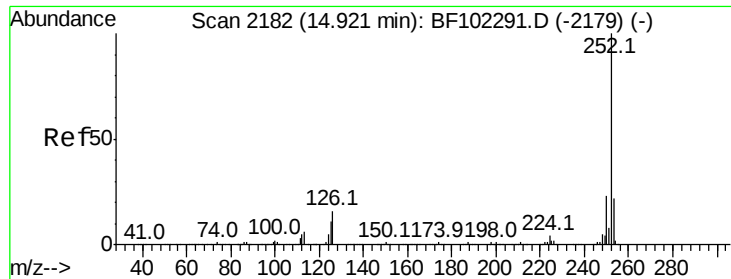
Tot Ion:264 Resp: 299455
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.808 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion:252 Resp: 112721
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 16.5 9.0 13.6#

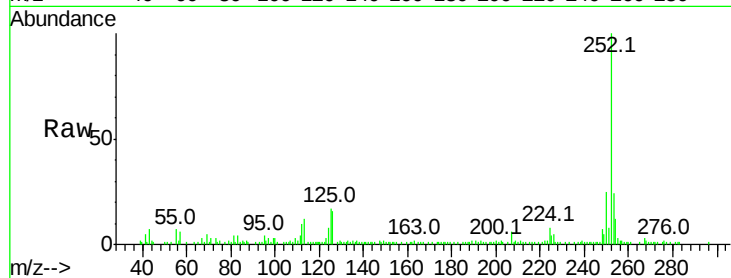




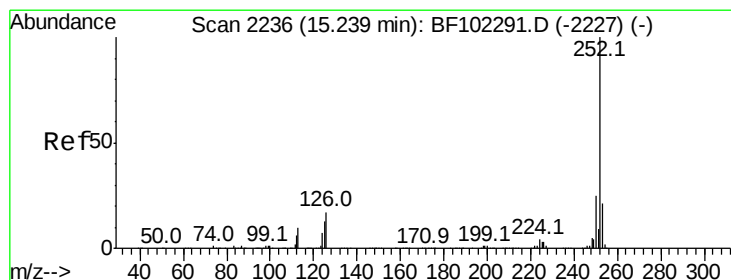
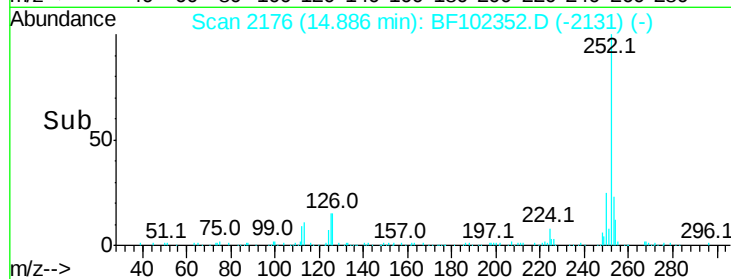
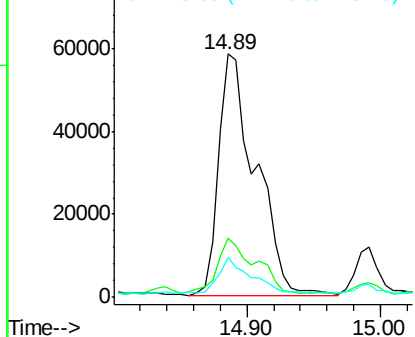
#88
Benzo(k)fluoranthene
Concen: 6.147 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.04 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	16.5	10.2	15.2#

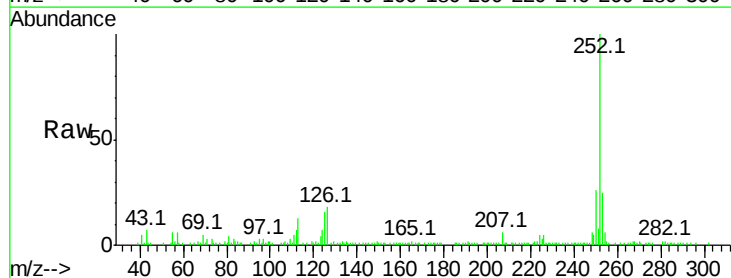


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

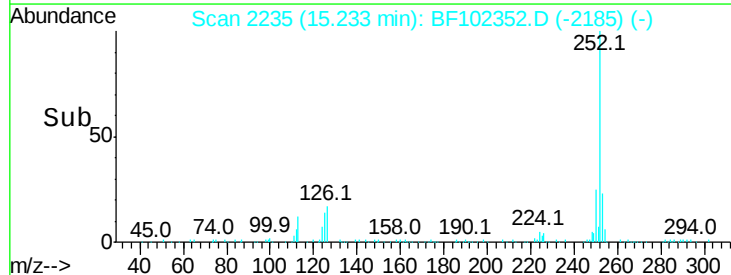
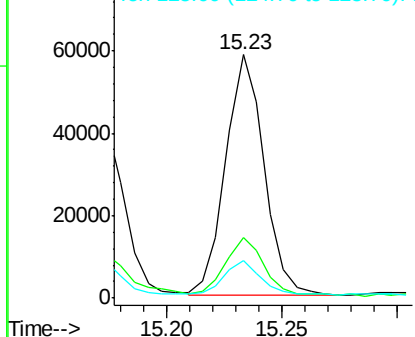


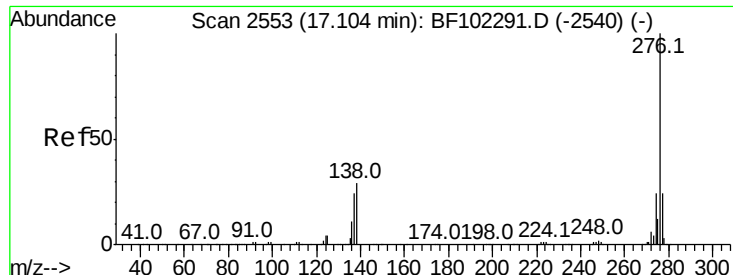
#89
Benzo(a)pyrene
Concen: 3.878 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102352.D
Acq: 23 Jan 2018 19:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	15.6	9.8	14.6#



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





#91

Benzo(a,h,i)perylene

Concen: 3.514 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF102352.D

Acq: 23 Jan 2018 19:57

Instrument :

BNA_F

ClientSampleId :

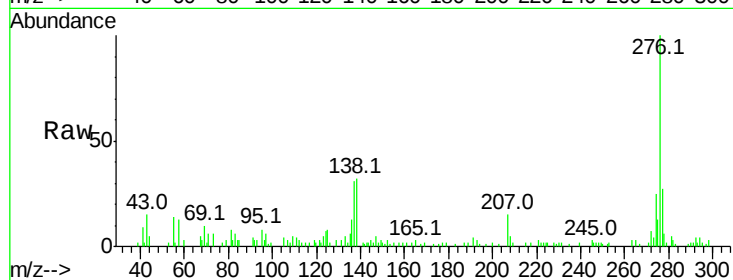
Tot Ion: 276 Resp: 49200

Ion Ratio Lower Upper

276 100

277 27.1 17.9 26.9#

138 32.1 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

