

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102509.D
 Acq On : 27 Jan 2018 14:38
 Operator : SJ/JU
 Sample : J1018-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Quant Time: Jan 27 20:58:54 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	170552	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	655095	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242866	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	323565	20.00	ng	0.00
75) Chrysene-d12	13.87	240	306126	20.00	ng	0.00
86) Perylene-d12	15.30	264	299077	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1173307	104.31	ng	0.00
7) Phenol-d6	6.36	99	1352285	99.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	849114	74.49	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	181750	75.53	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1130734	68.46	ng	0.00
78) Terphenyl-d14	12.82	244	710180	52.30	ng	0.00

Target Compounds

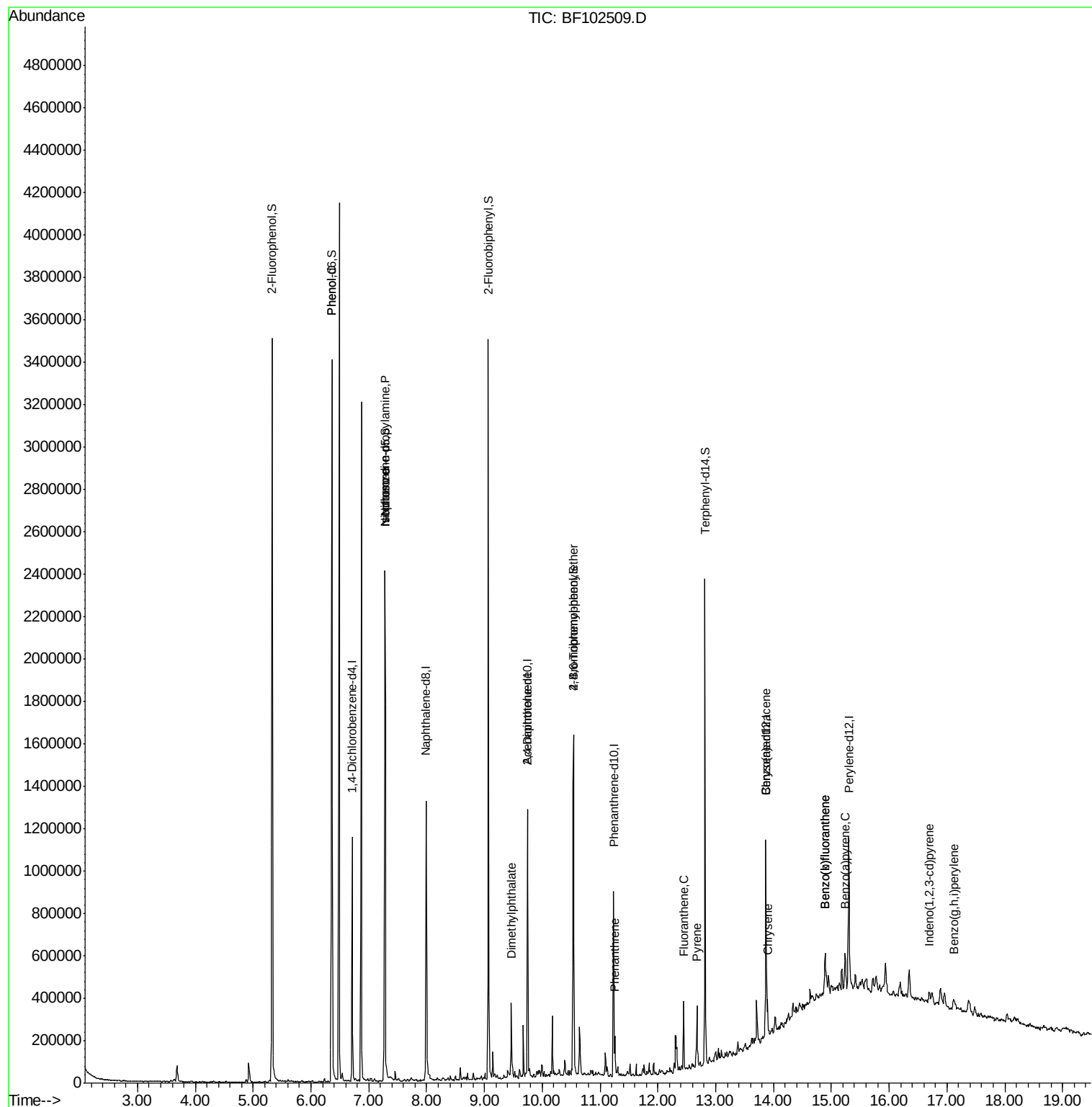
						Qvalue
10) Phenol	6.37	94	50022	3.379	ng	# 59
19) n-Nitroso-di-n-propylamine	7.28	70	112039	13.501	ng	# 81
25) Isophorone	7.28	82	849109	41.782	ng	# 64
49) Dimethylphthalate	9.46	163	119156	5.936	ng	98
56) 2,4-Dinitrotoluene	9.75	165	31683	5.953	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	12452	3.575	ng	# 1
70) Phenanthrene	11.26	178	68241	3.619	ng	97
74) Fluoranthene	12.45	202	123664	6.432	ng	96
77) Pyrene	12.67	202	116953	4.941	ng	96
80) Benzo(a)anthracene	13.86	228	70960	3.765	ng	92
82) Chrysene	13.90	228	71978	3.761	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	32224	2.039	ng	98
87) Benzo(b)fluoranthene	14.89	252	126374	6.519	ng	# 90
88) Benzo(k)fluoranthene	14.89	252	126374	6.900	ng	# 93
89) Benzo(a)pyrene	15.24	252	66919	3.828	ng	# 86
91) Benzo(g,h,i)perylene	17.12	276	31268	2.236	ng	# 89

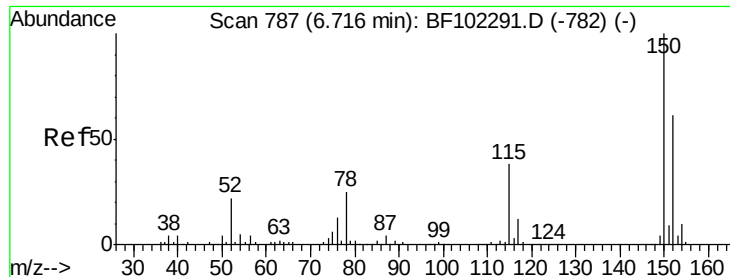
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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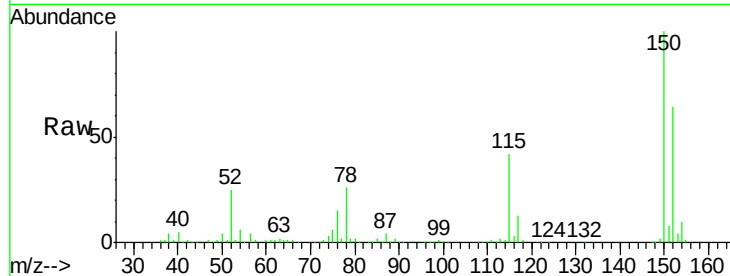


#1

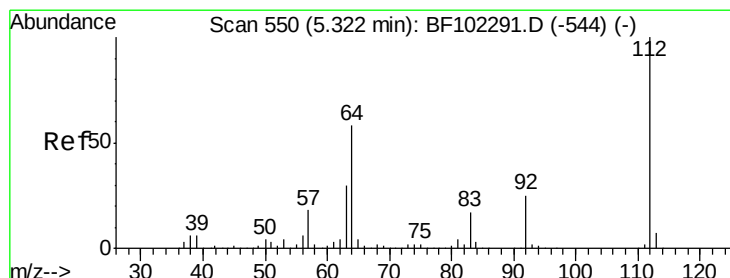
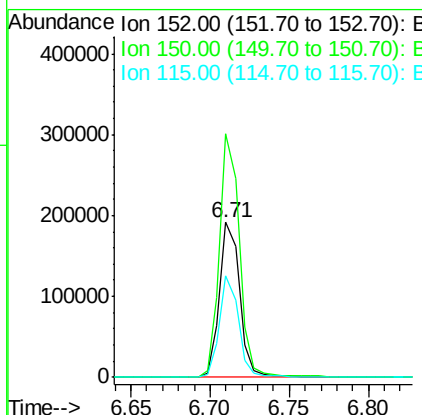
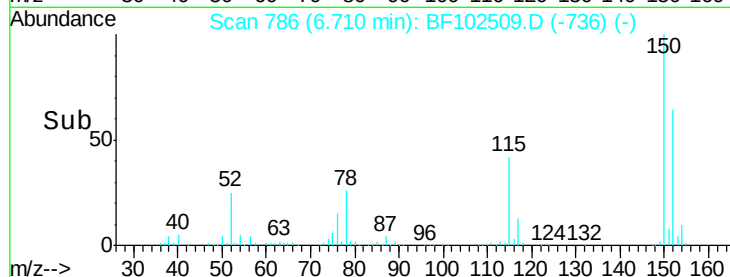
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Tgt Ion:152 Resp: 170552
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 65.6 50.1 75.1



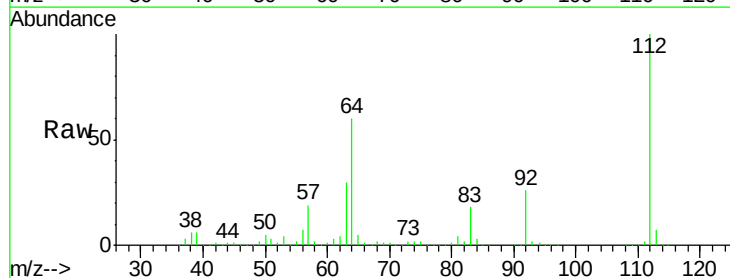
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



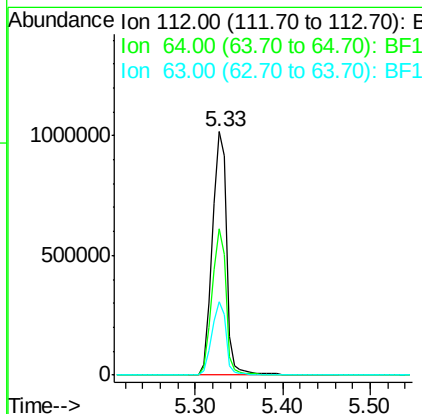
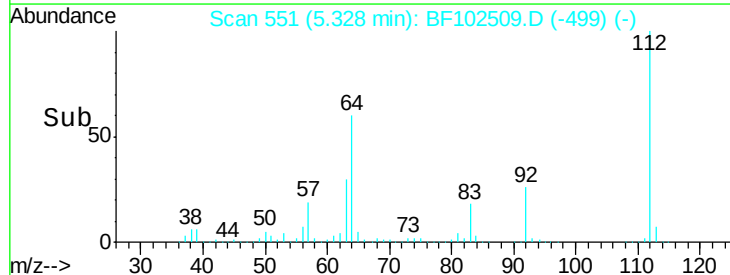
#5

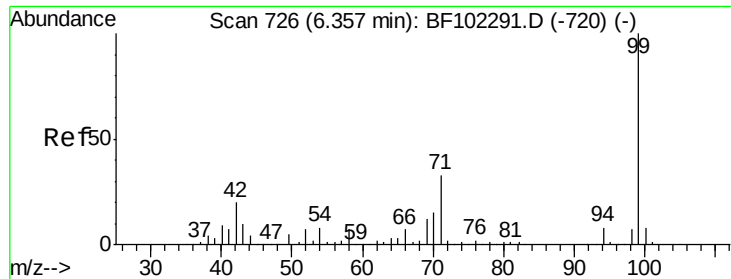
2-Fluorophenol
 Concen: 104.311 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Tgt Ion:112 Resp: 1173307
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 30.1 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: 99.721 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

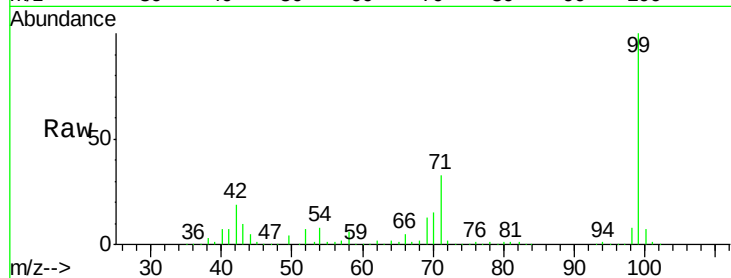
Tgt Ion: 99 Resp: 1352285

Ion Ratio Lower Upper

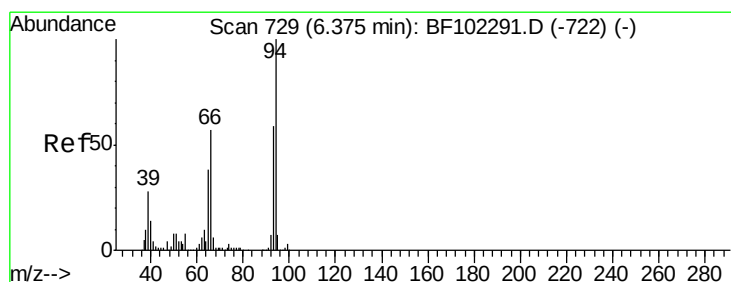
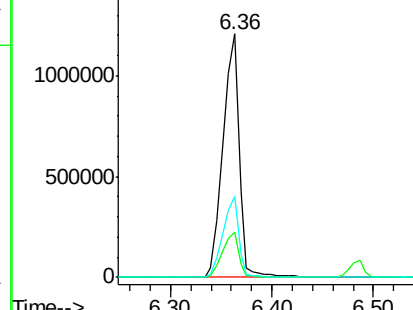
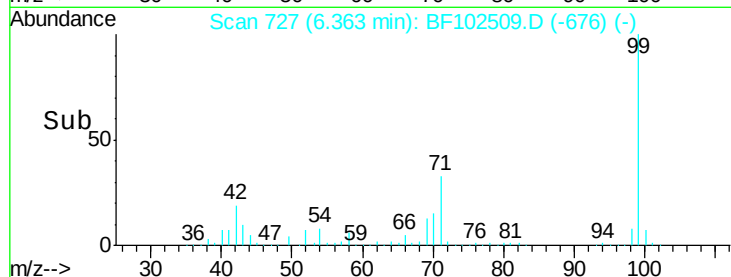
99 100

42 18.7 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.379 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

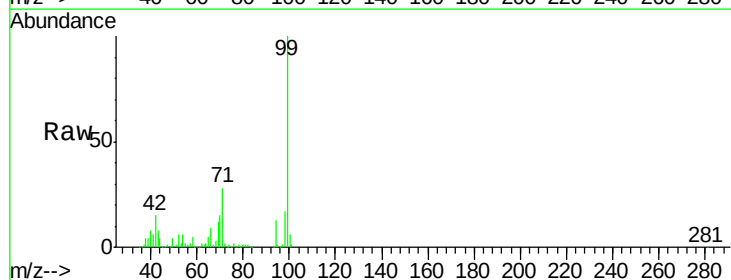
Tgt Ion: 94 Resp: 50022

Ion Ratio Lower Upper

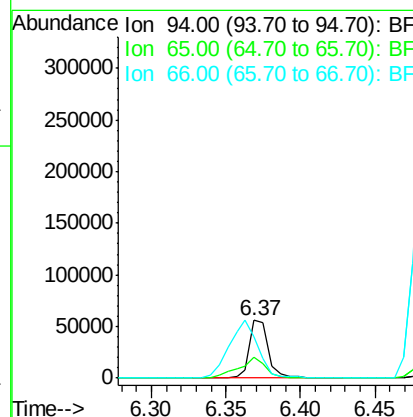
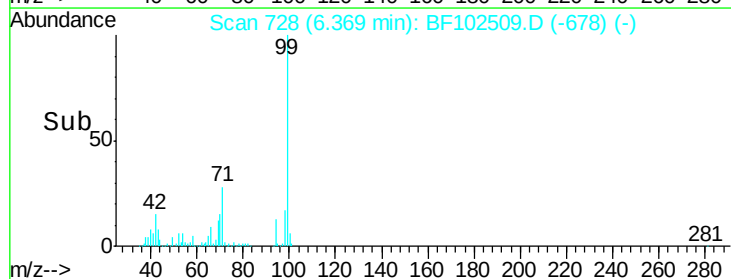
94 100

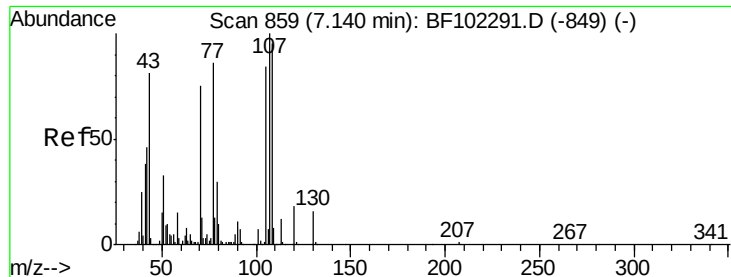
65 36.2 7.9 47.9

66 71.5 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

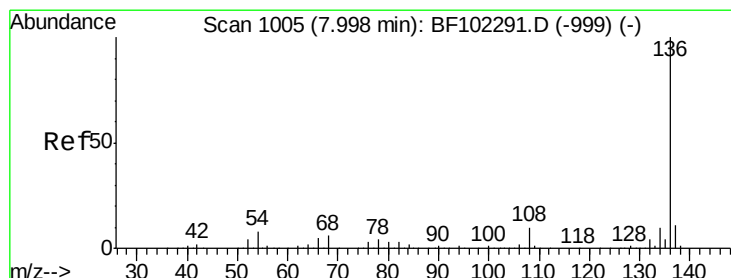
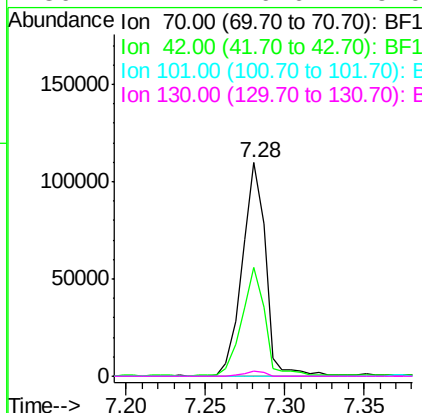
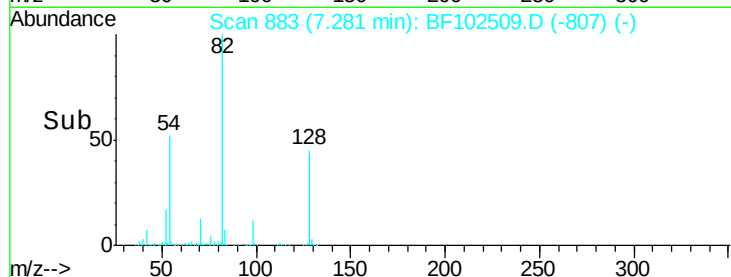
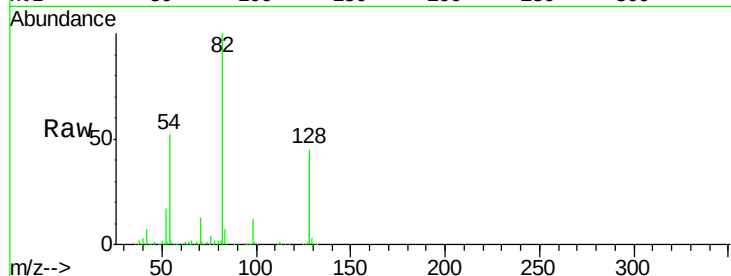




#19
n-Nitroso-di-n-propylamine
Concen: 13.501 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

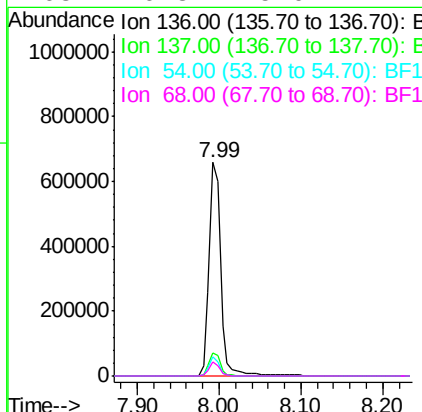
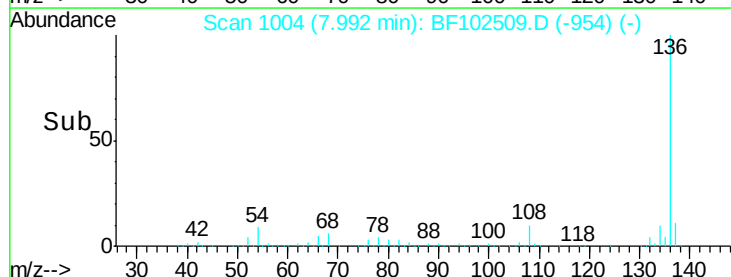
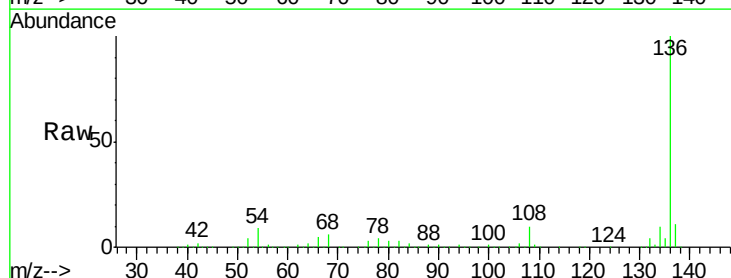
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BNA_F
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OR-03-012518

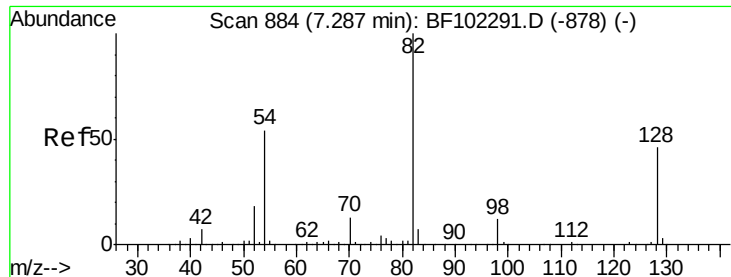
Tgt Ion: 70 Resp: 112039
Ion Ratio Lower Upper
70 100
42 51.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion: 136 Resp: 655095
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.9 6.6 9.8
68 6.3 5.0 7.4

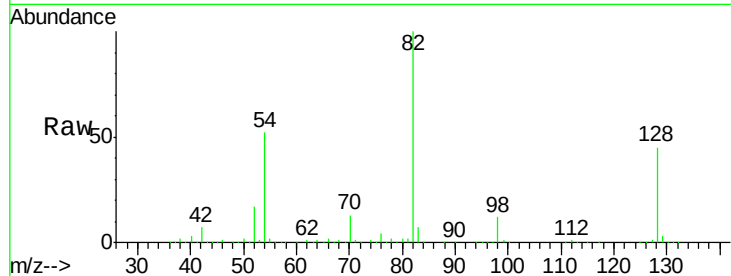




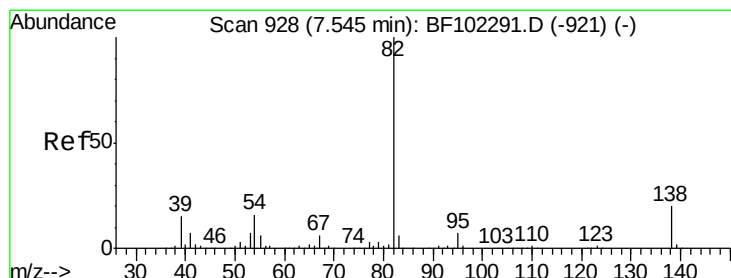
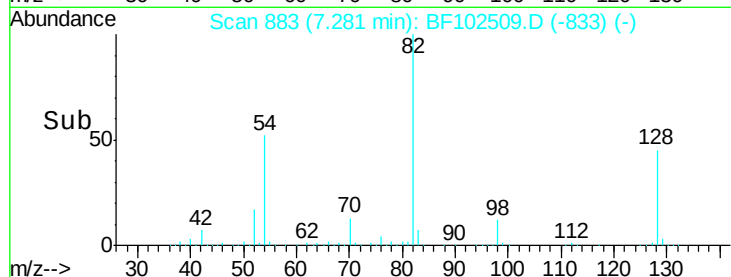
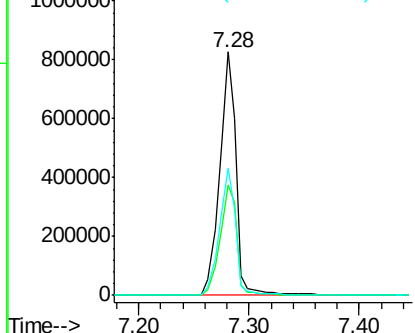
#23
 Nitrobenzene-d5
 Concen: 74.487 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Tgt Ion: 82 Resp: 849114
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.1 54.1
 54 52.3 41.4 62.2

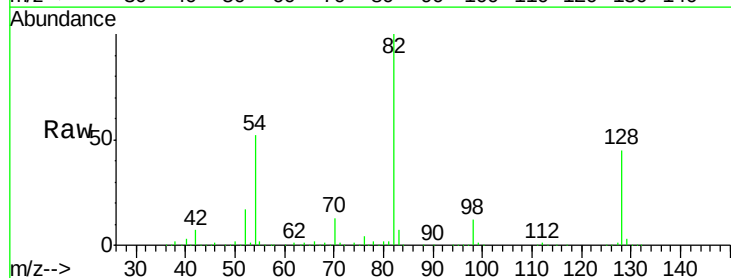


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

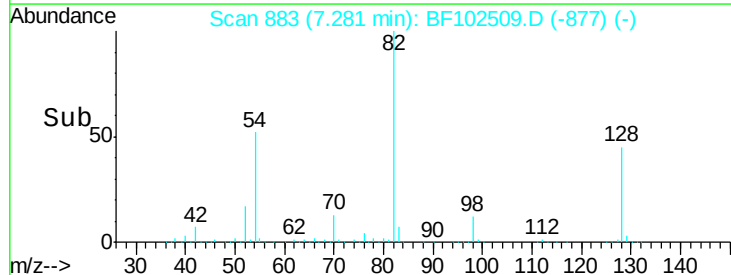
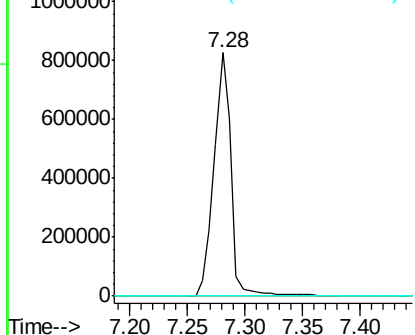


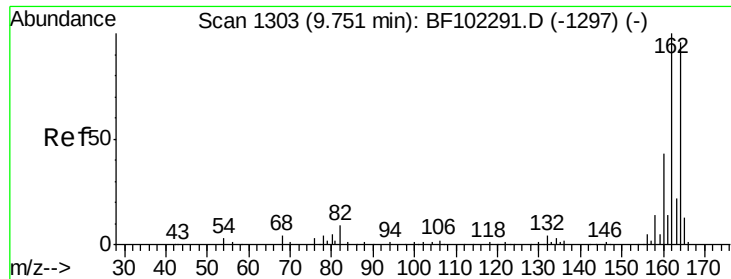
#25
 Isophorone
 Concen: 41.782 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Tgt Ion: 82 Resp: 849109
 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# 1302

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

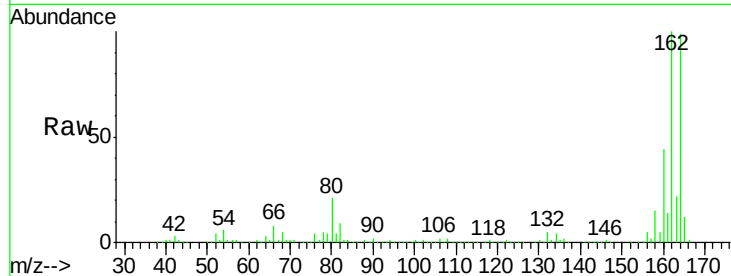
Tgt Ion:164 Resp: 242866

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

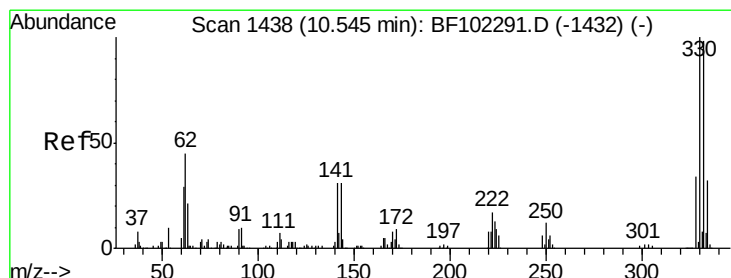
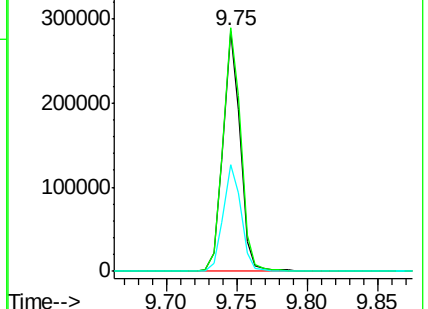
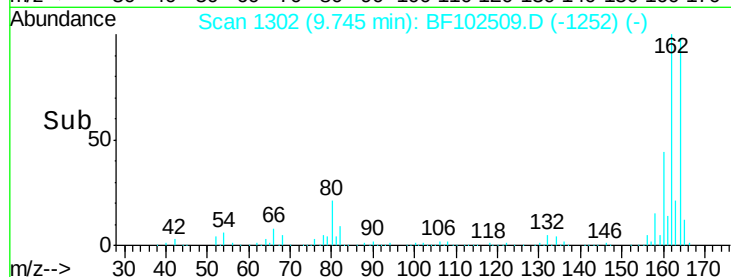
160 44.7 38.3 57.5



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: 75.526 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

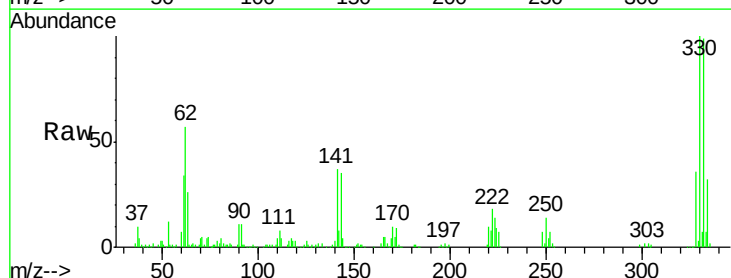
Tgt Ion:330 Resp: 181750

Ion Ratio Lower Upper

330 100

332 99.1 77.0 115.6

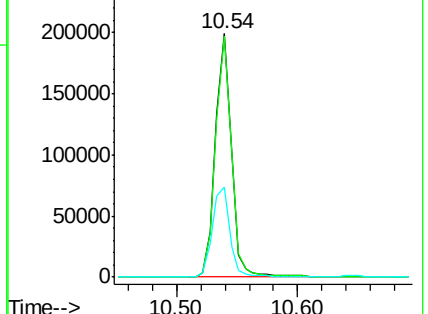
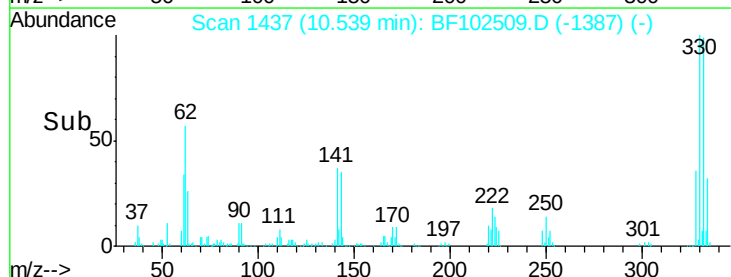
141 41.0 29.9 44.9

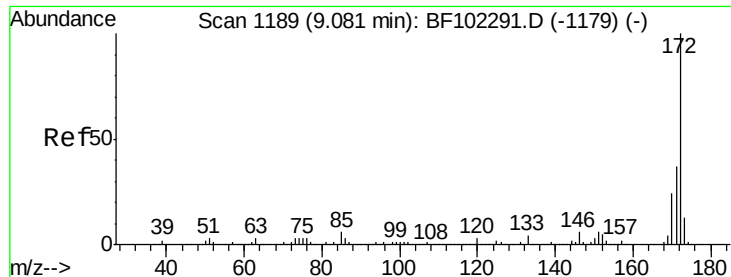


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

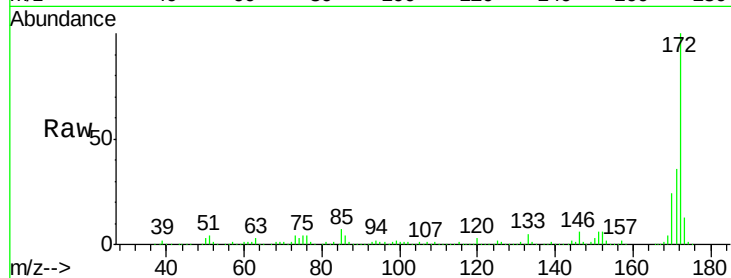




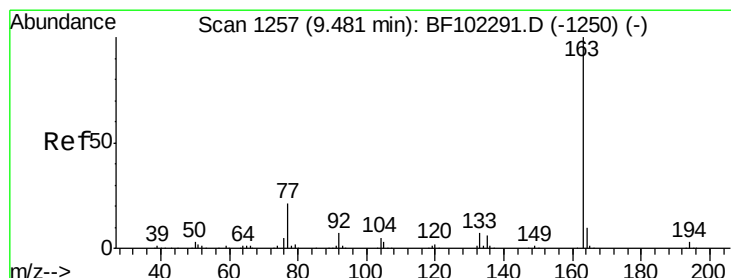
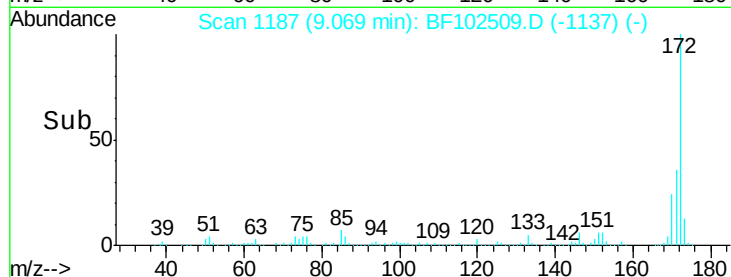
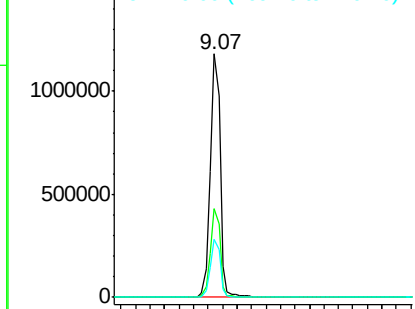
#44
2-Fluorobiphenyl
Concen: 68.457 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
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OR-03-012518

Tgt Ion:172 Resp: 1130734
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.9 19.6 29.4

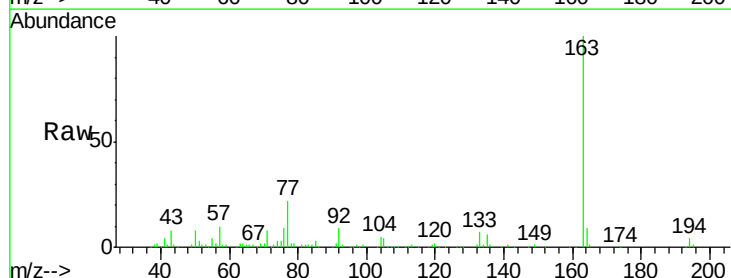


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

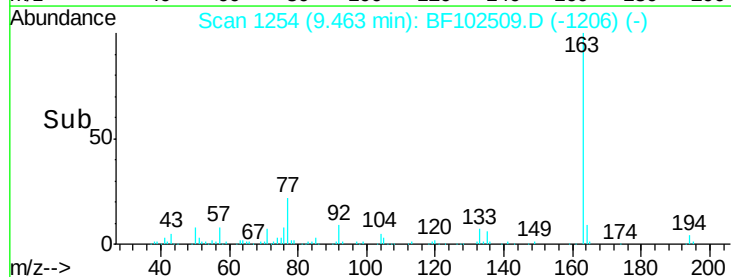
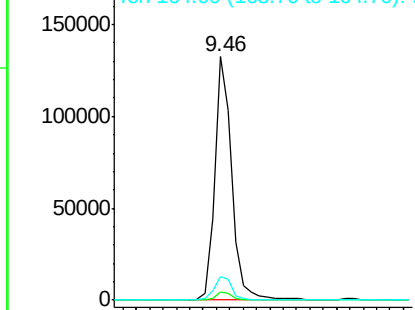


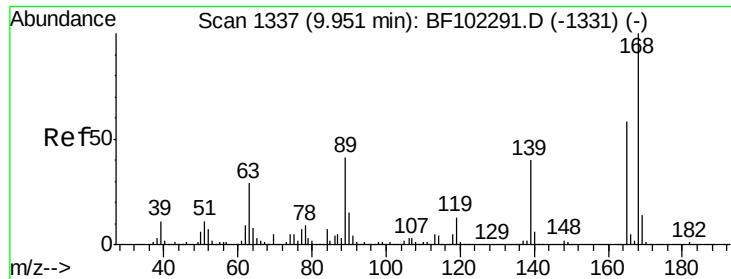
#49
Dimethylphthalate
Concen: 5.936 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion:163 Resp: 119156
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.5 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

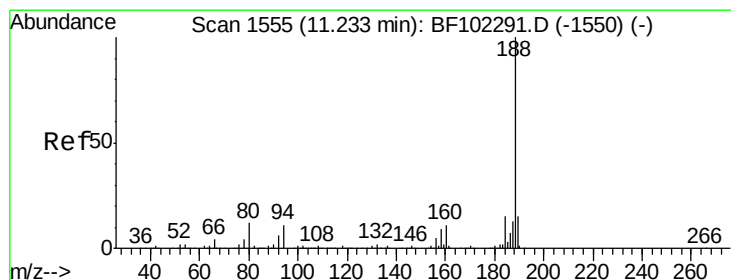
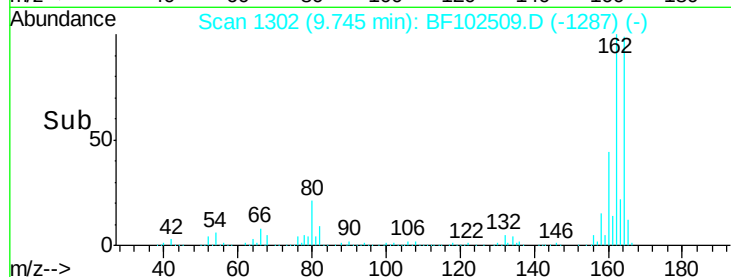
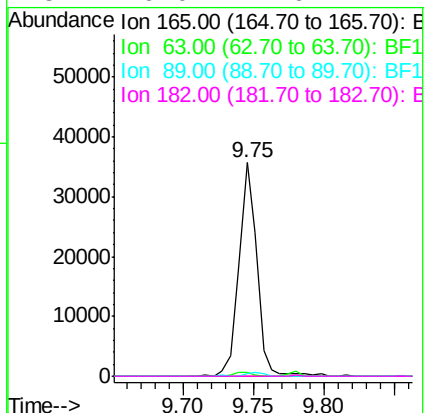
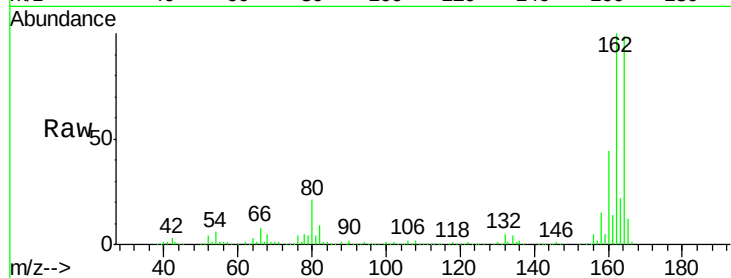




#56
 2,4-Dinitrotoluene
 Concen: 5.953 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

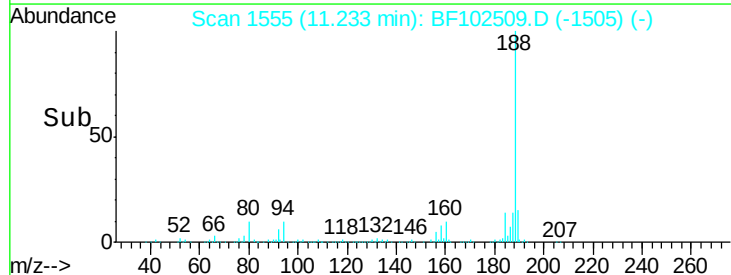
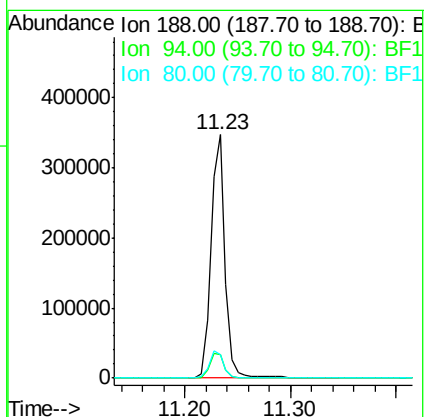
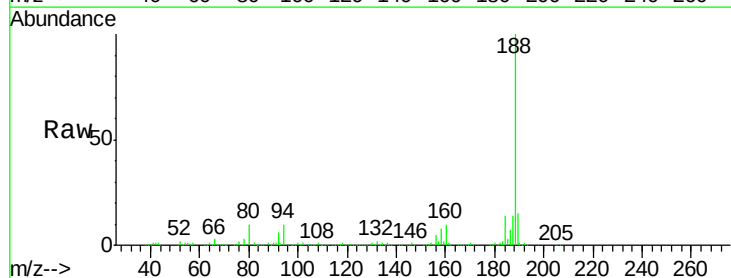
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

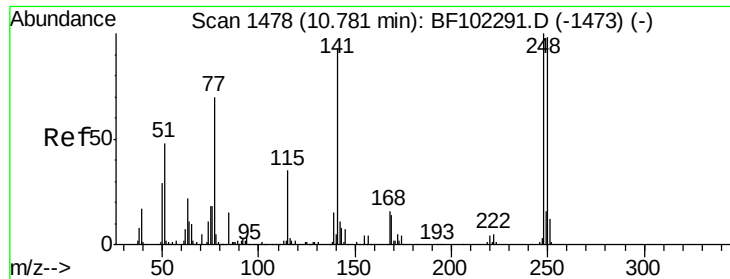
Tgt Ion:165 Resp: 31683
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Tgt Ion:188 Resp: 323565
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 9.7 9.2 13.8

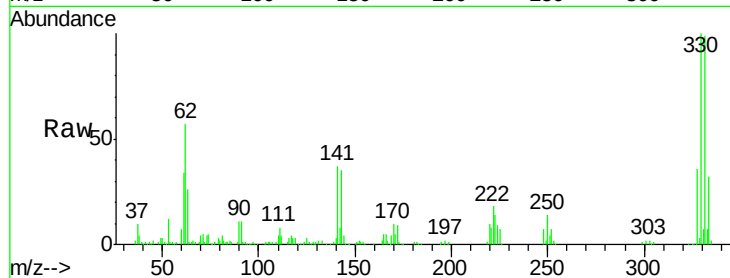




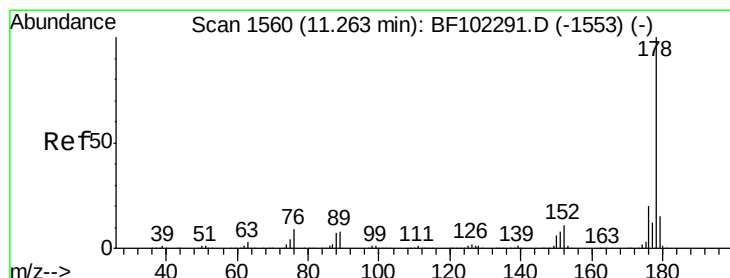
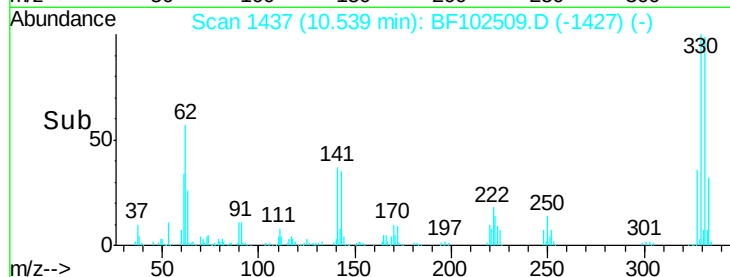
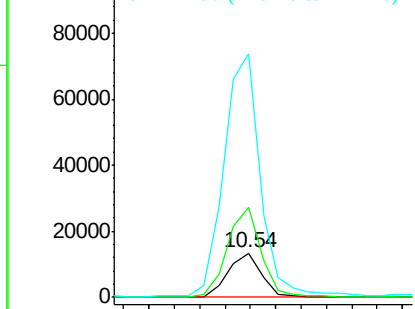
#66
 4-Bromophenyl-phenylether
 Concen: 3.575 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Tgt Ion: 248 Resp: 12452
 Ion Ratio Lower Upper
 248 100
 250 202.5 76.9 115.3#
 141 550.7 74.4 111.6#

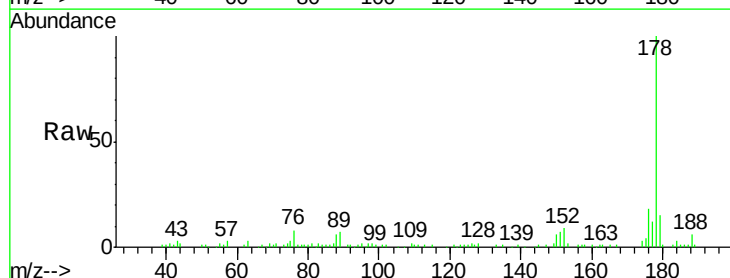


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

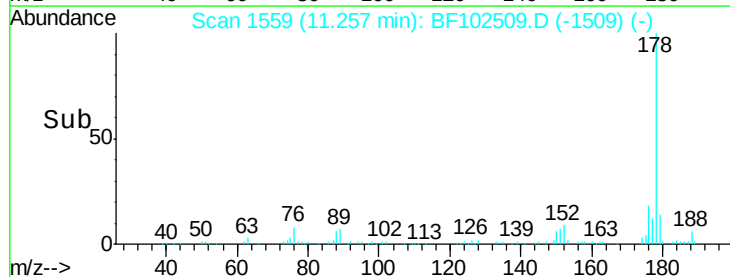
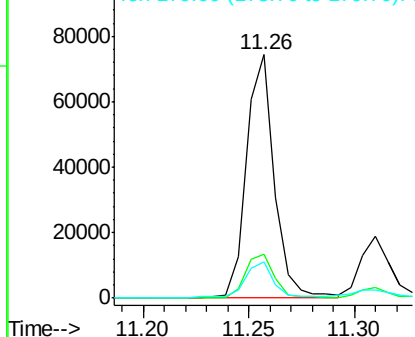


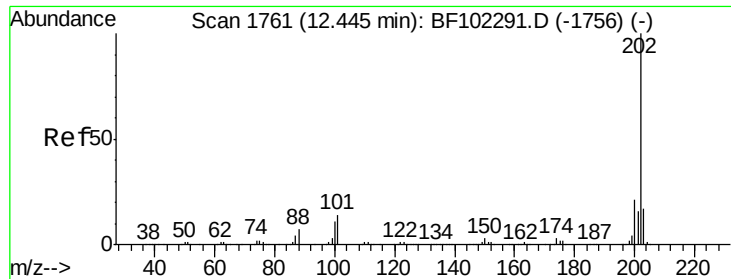
#70
 Phenanthrene
 Concen: 3.619 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Tgt Ion: 178 Resp: 68241
 Ion Ratio Lower Upper
 178 100
 176 18.3 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: 6.432 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

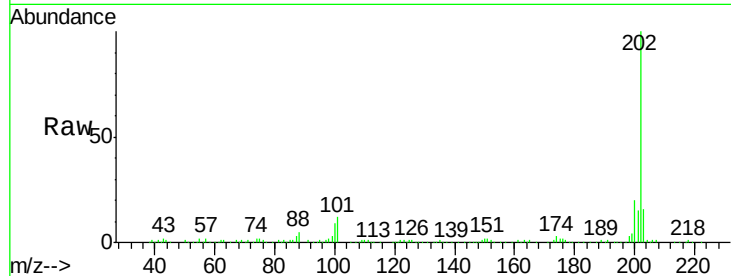
Tgt Ion: 202 Resp: 123664

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

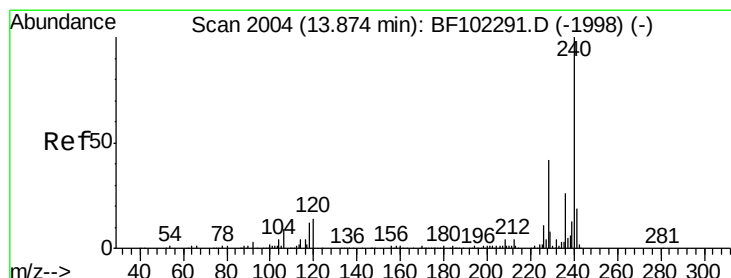
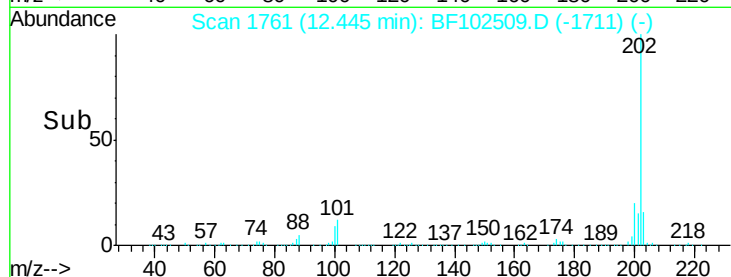
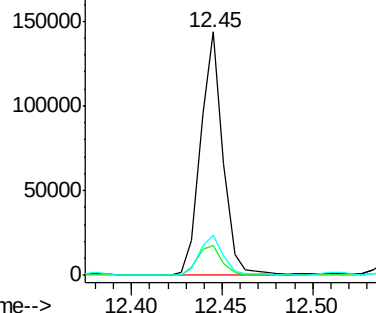
203 16.4 0.0 38.1



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: BF102509.D

Acq: 27 Jan 2018 14:38

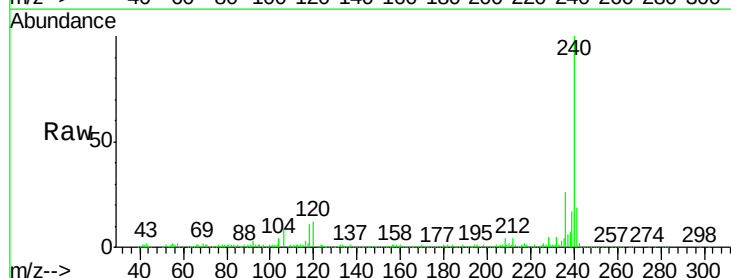
Tgt Ion: 240 Resp: 306126

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

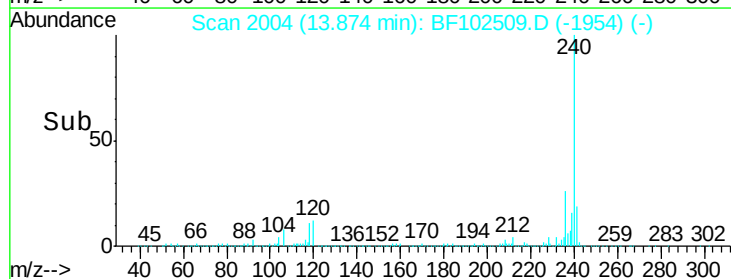
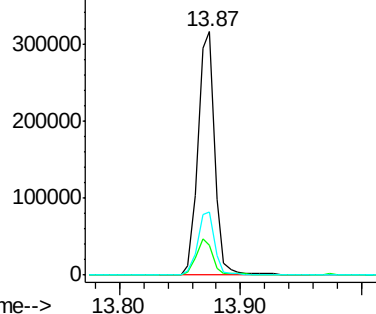
236 26.2 20.7 31.1

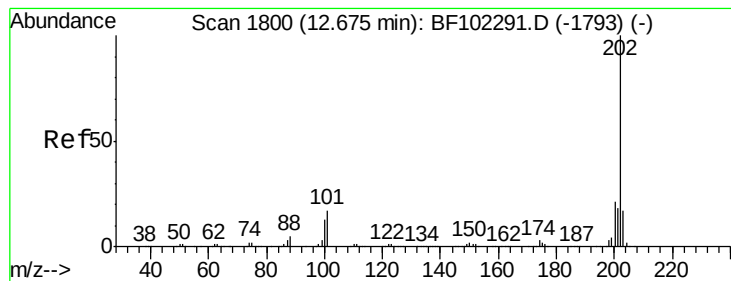


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.941 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

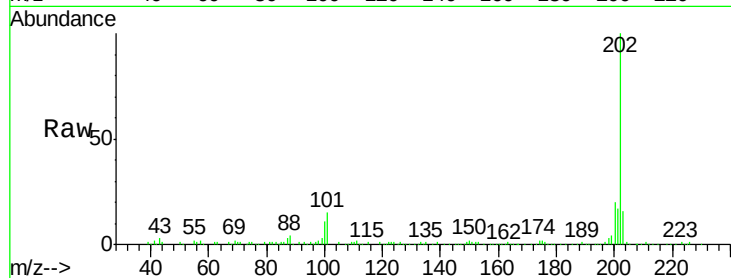
Tgt Ion:202 Resp: 116953

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

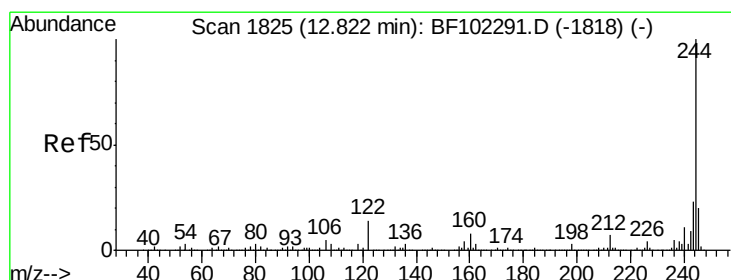
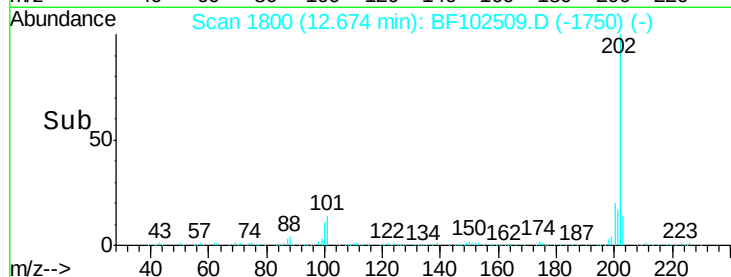
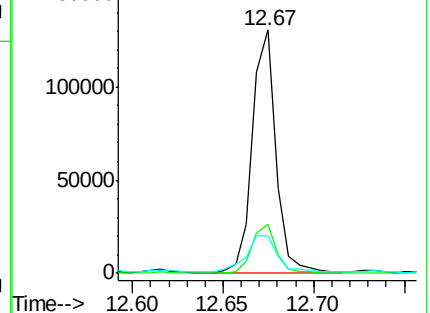
203 15.5 14.3 21.5



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: 52.299 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

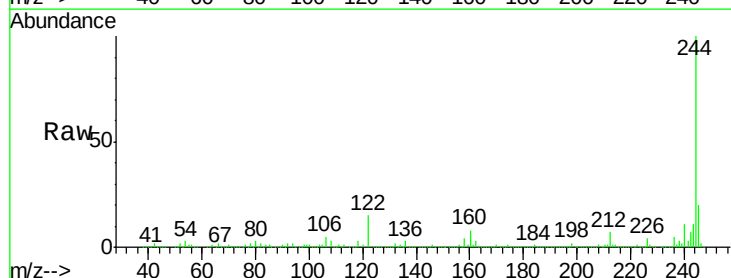
Tgt Ion:244 Resp: 710180

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

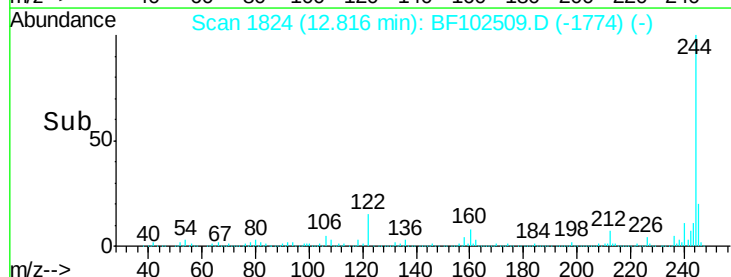
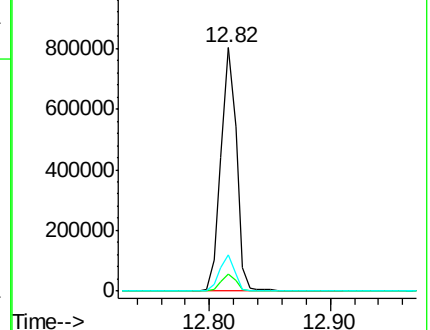
122 14.7 11.0 16.4

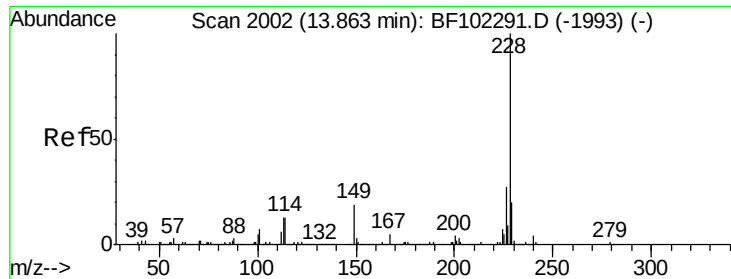


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.765 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

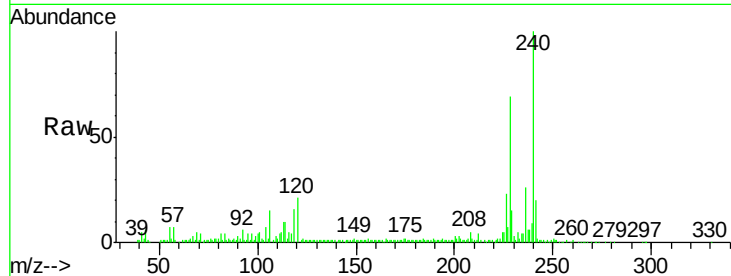
Tgt Ion:228 Resp: 70960

Ion Ratio Lower Upper

228 100

226 33.3 22.6 33.8

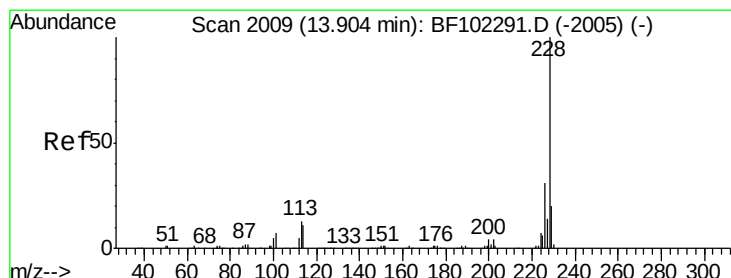
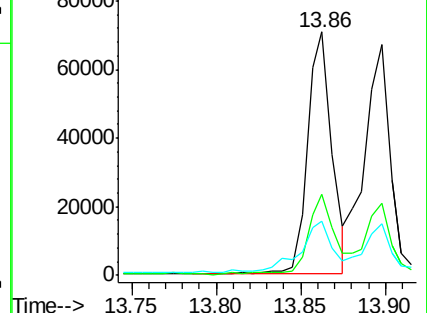
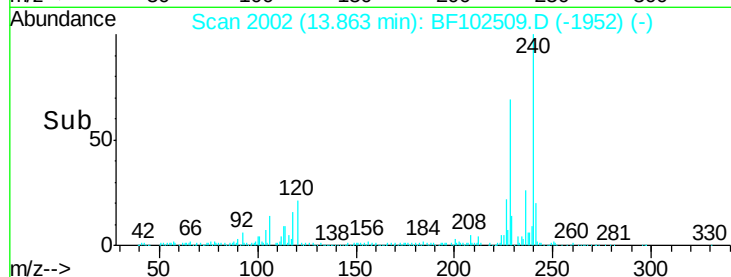
229 22.1 15.8 23.6



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: 3.761 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

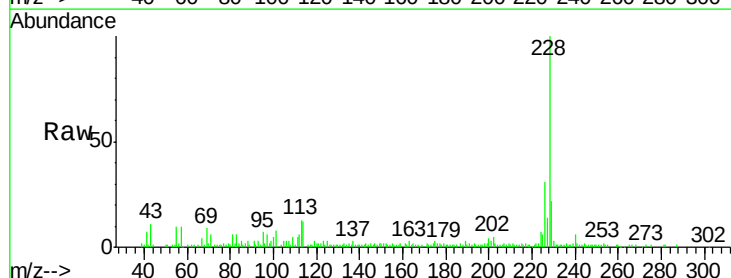
Tgt Ion:228 Resp: 71978

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

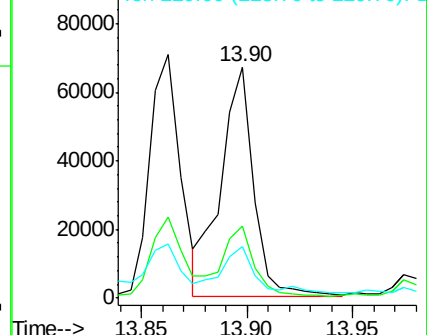
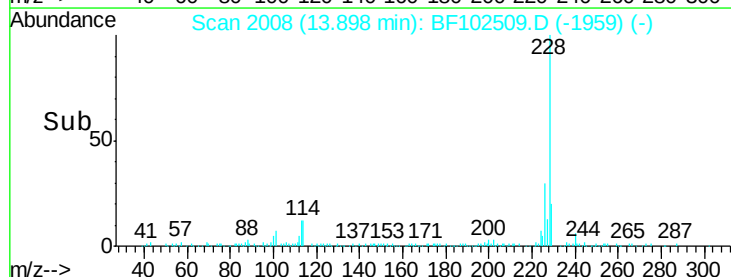
229 22.4 16.2 24.4

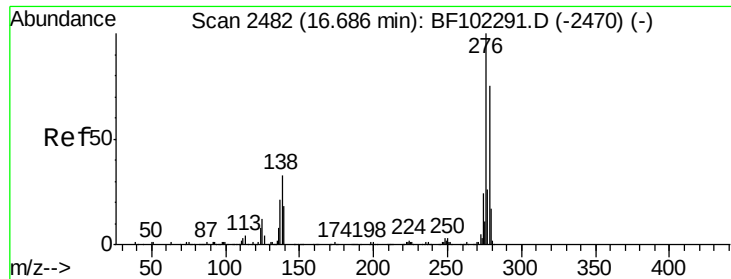


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.039 ng

RT: 16.69 min Scan# 2483

Delta R.T. -0.02 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

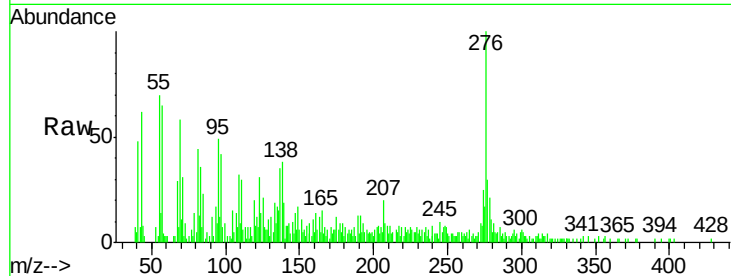
Tgt Ion:276 Resp: 32224

Ion Ratio Lower Upper

276 100

138 29.8 25.0 37.6

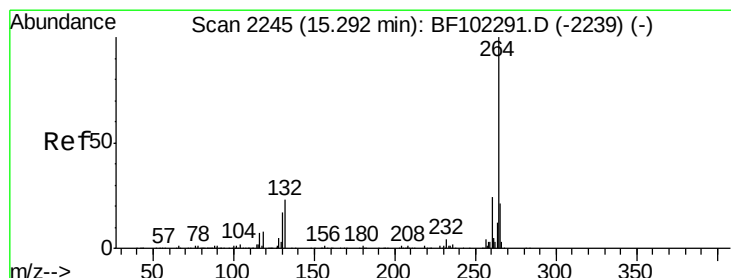
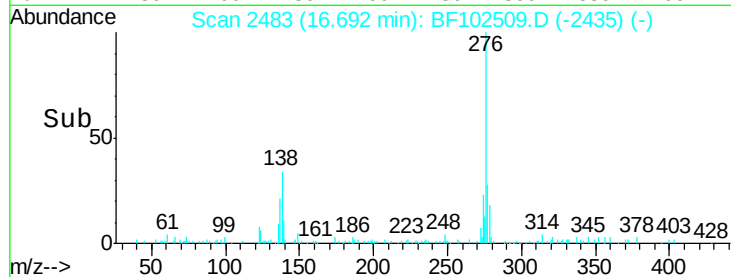
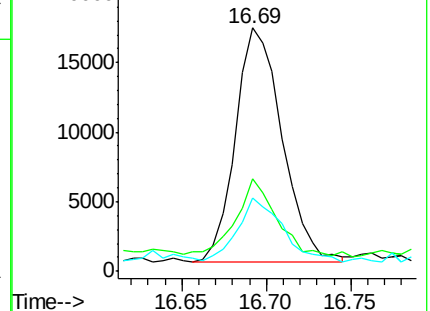
277 26.2 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

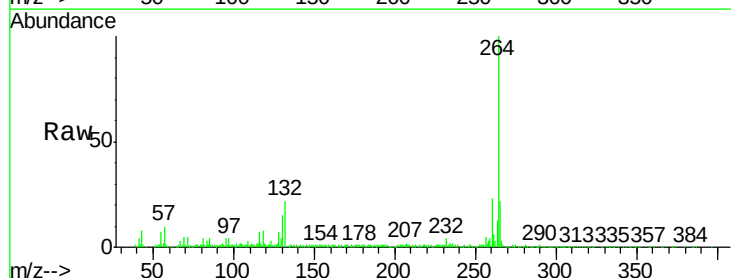
Tgt Ion:264 Resp: 299077

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

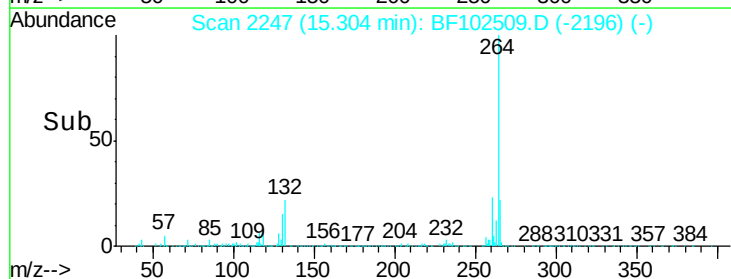
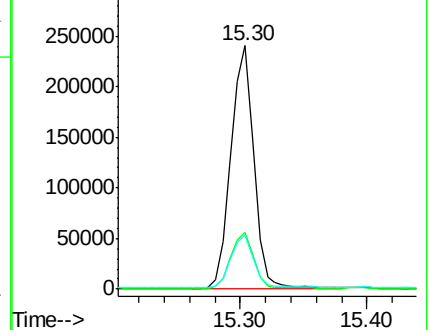
265 22.1 17.5 26.3

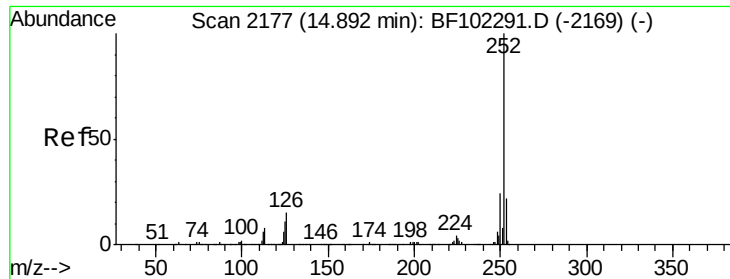


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

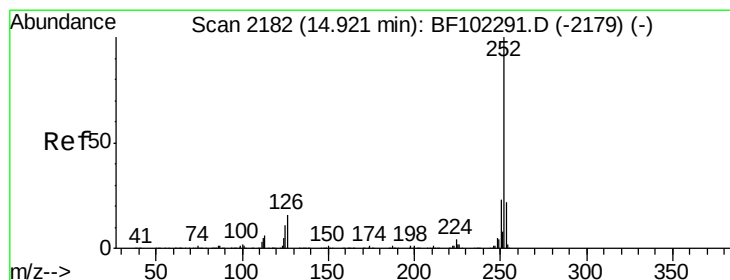
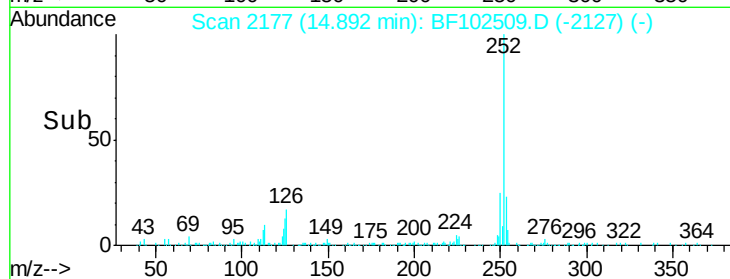
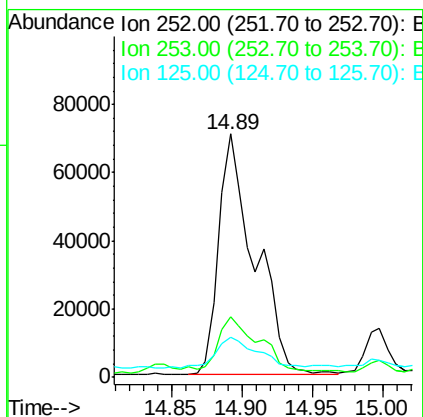
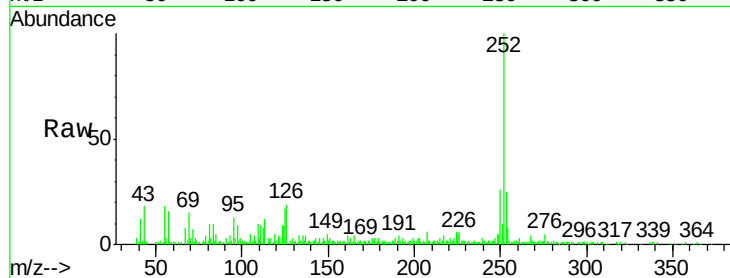




#87
Benzo(b)fluoranthene
Concen: 6.519 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

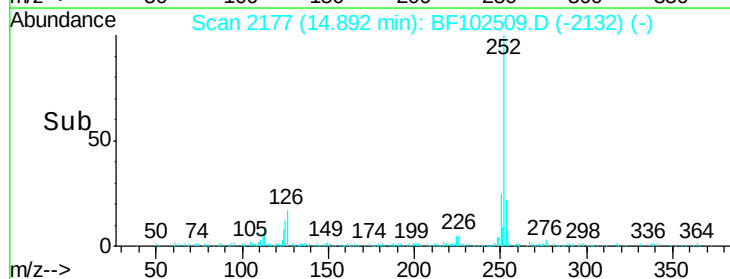
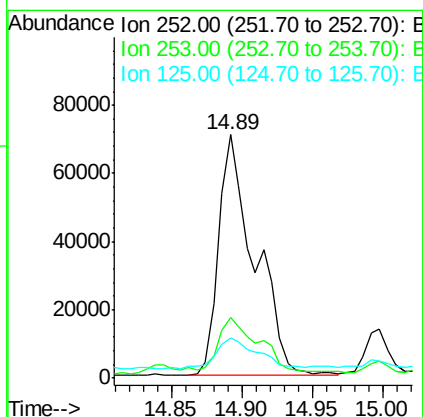
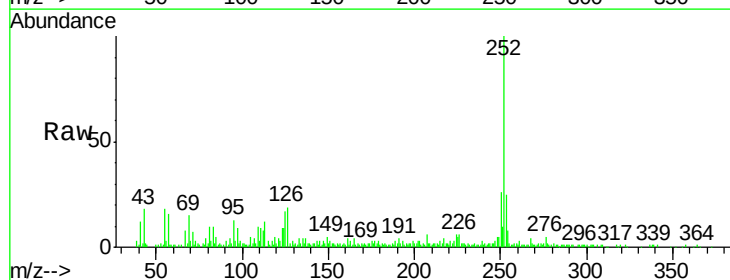
Instrument :
BNA_F
ClientSampleId :
OR-03-012518

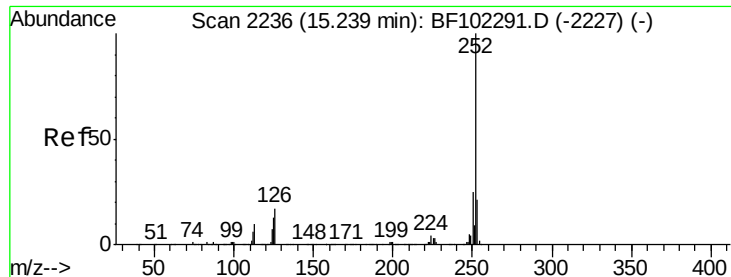
Tgt Ion:252 Resp: 126374
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 16.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.900 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.04 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion:252 Resp: 126374
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 16.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.828 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

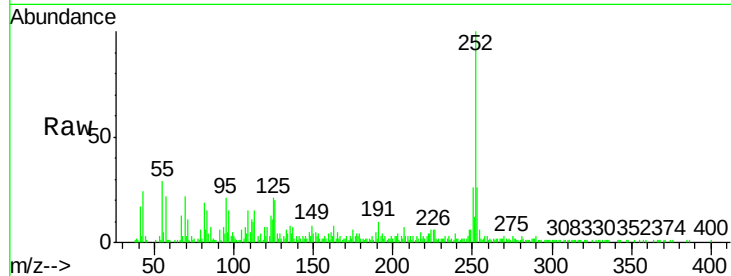
Tgt Ion:252 Resp: 66919

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

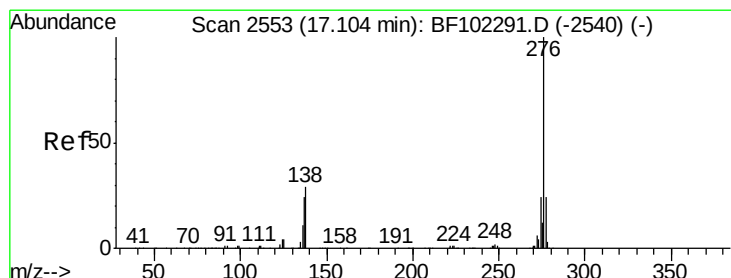
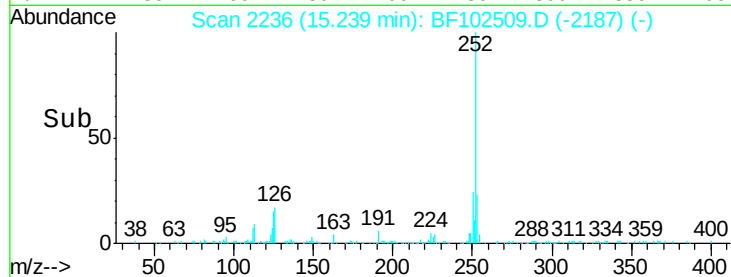
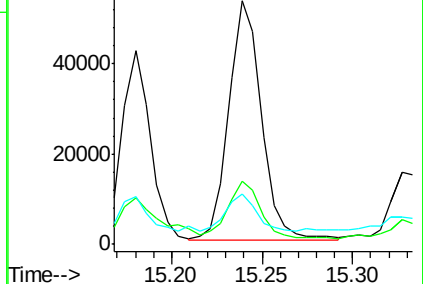
125 20.7 9.8 14.6#



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(g,h,i)perylene

Concen: 2.236 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

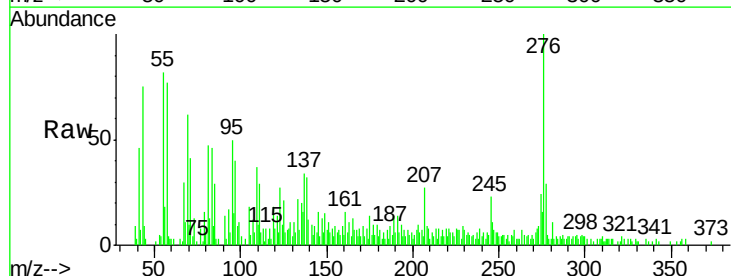
Tgt Ion:276 Resp: 31268

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 31.7 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

