

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102531.D
 Acq On : 28 Jan 2018 00:45
 Operator : SJ/JU
 Sample : J1325-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632

Quant Time: Jan 28 02:38:47 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	6.72	152	128396	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	490094	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	179890	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	259344	20.00	ng	0.00
75) Chrysene-d12	13.87	240	253515	20.00	ng	0.00
86) Perylene-d12	15.30	264	215217	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	879481	103.86	ng	0.00
7) Phenol-d6	6.36	99	1016454	99.57	ng	0.00
23) Nitrobenzene-d5	7.28	82	621606	72.89	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	142604	80.00	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	991765	81.06	ng	0.00
78) Terphenyl-d14	12.82	244	684623	60.88	ng	0.00

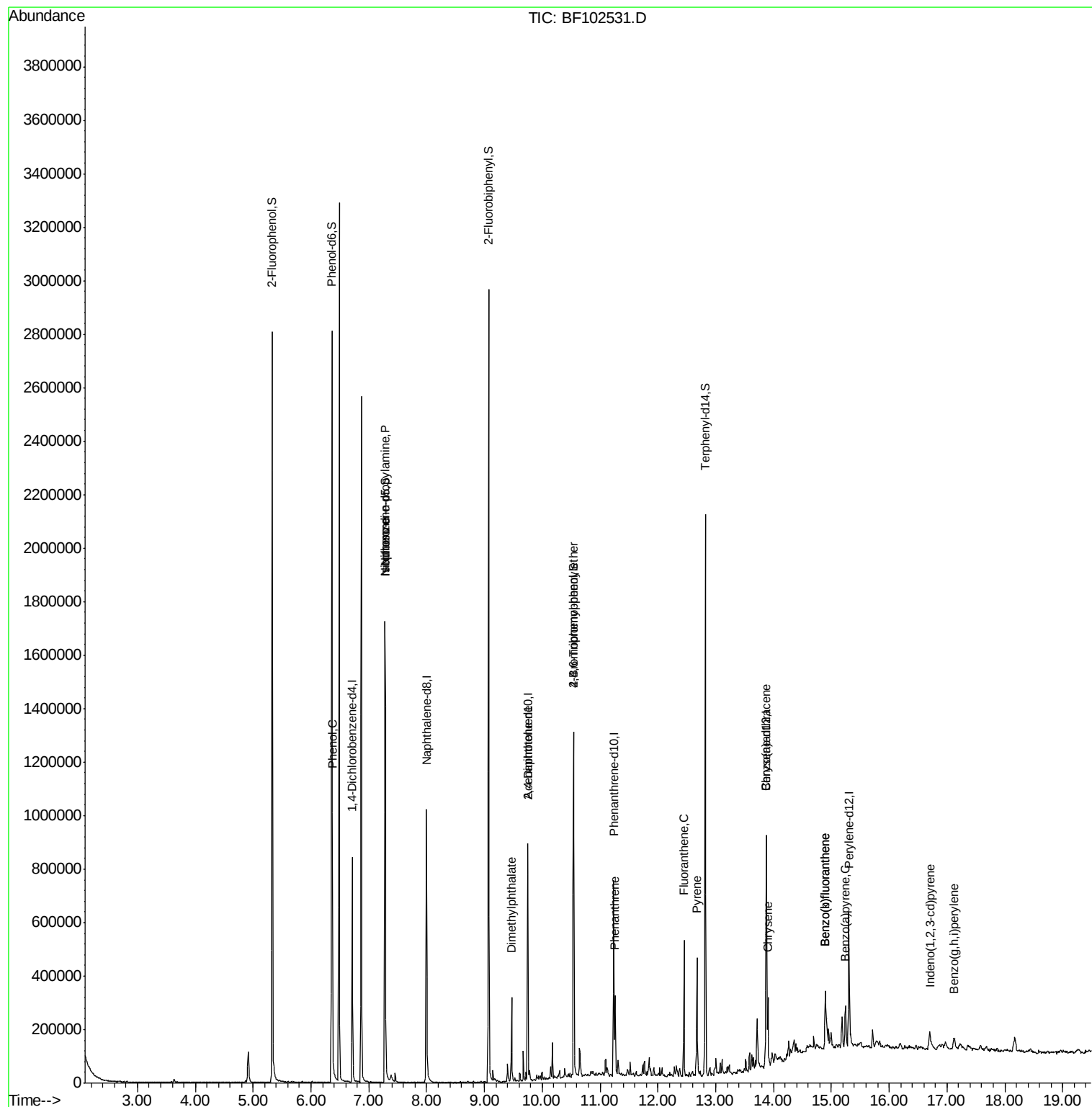
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	39869	3.577	ng	94
19) n-Nitroso-di-n-propylamine	7.28	70	79946	12.796	ng	# 79
25) Isophorone	7.28	82	621602	40.885	ng	# 64
49) Dimethylphthalate	9.47	163	130113	8.751	ng	100
56) 2,4-Dinitrotoluene	9.75	165	23077	5.854	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	9754	3.494	ng	# 1
70) Phenanthrene	11.26	178	106347	7.037	ng	98
74) Fluoranthene	12.45	202	201930	13.103	ng	97
77) Pyrene	12.67	202	184456	9.411	ng	99
80) Benzo(a)anthracene	13.87	228	90200	5.779	ng	97
82) Chrysene	13.90	228	99788	6.296	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	35753	2.731	ng	93
87) Benzo(b)fluoranthene	14.90	252	148199	10.624	ng	# 95
88) Benzo(k)fluoranthene	14.90	252	148199	11.245	ng	# 96
89) Benzo(a)pyrene	15.24	252	71734	5.702	ng	97
91) Benzo(g,h,i)perylene	17.13	276	35858	3.564	ng	97

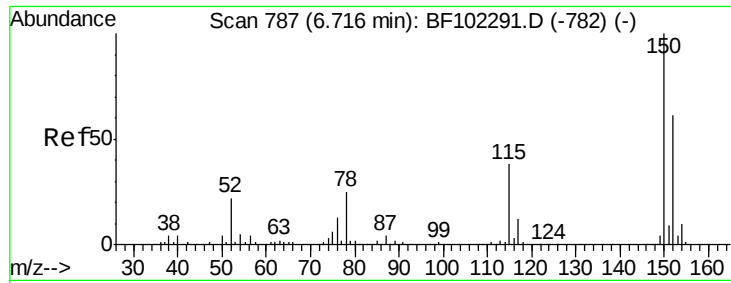
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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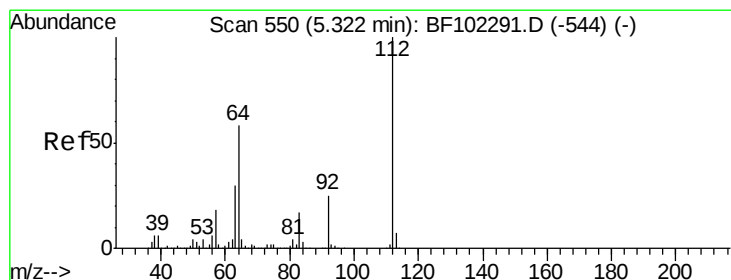
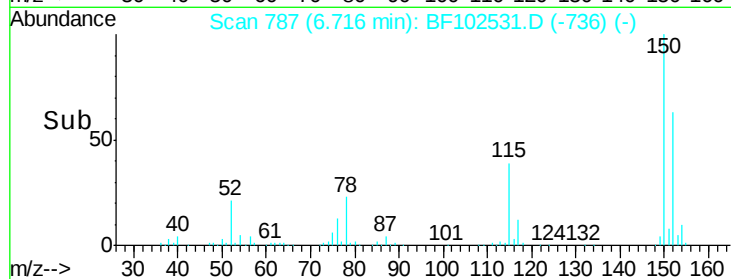
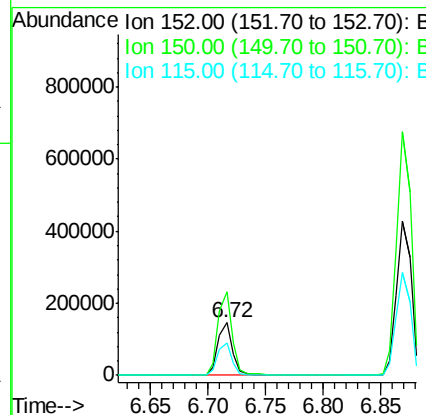
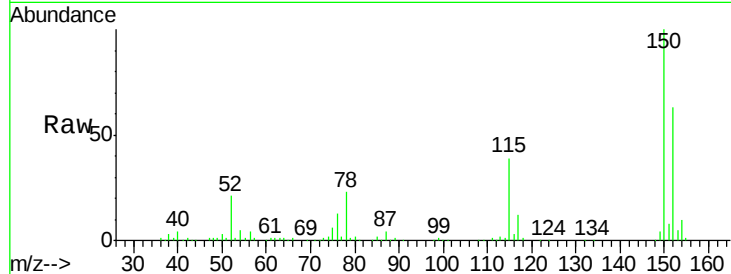


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632

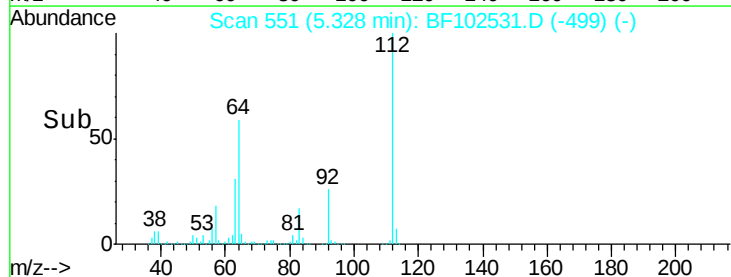
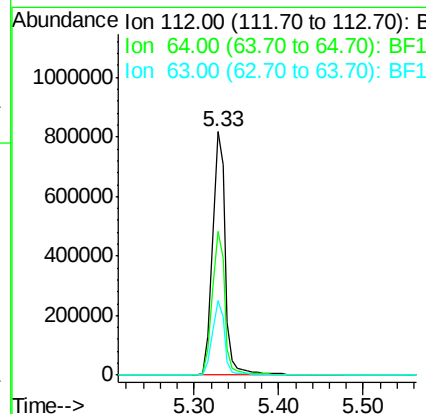
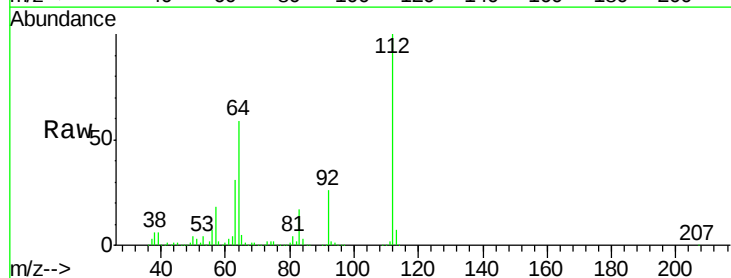
Tgt Ion:152 Resp: 128396
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 61.9 50.1 75.1

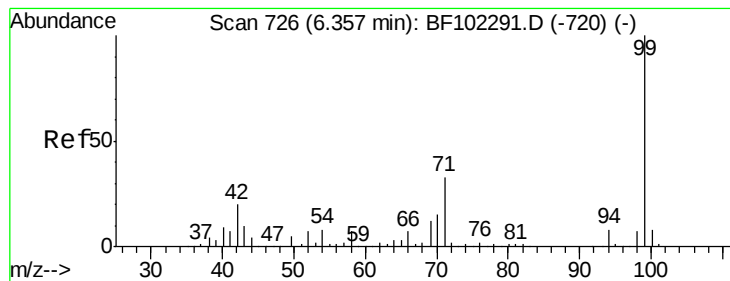


#5

2-Fluorophenol
 Concen: 103.860 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Tgt Ion:112 Resp: 879481
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.9 71.9
 63 30.5 23.7 35.5





#7

Phenol-d6

Concen: 99.566 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

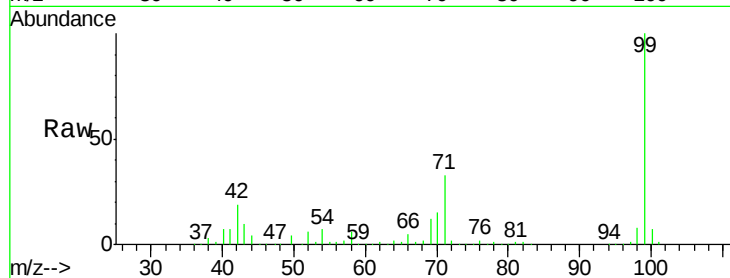
Tgt Ion: 99 Resp: 1016454

Ion Ratio Lower Upper

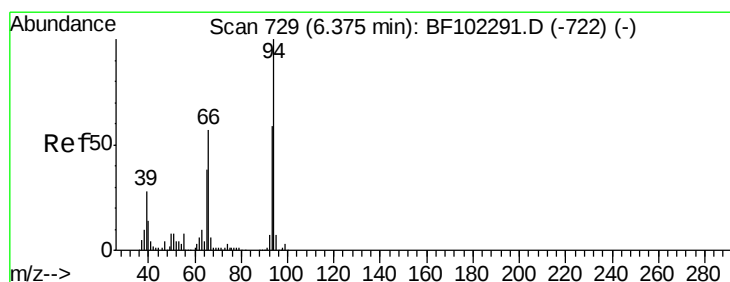
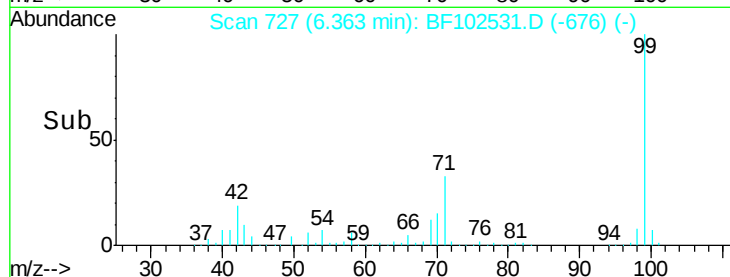
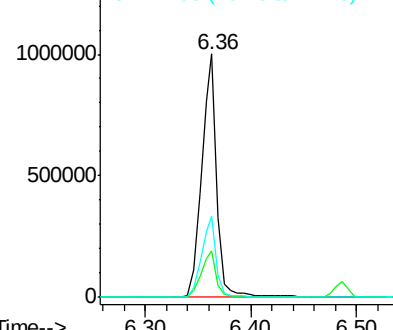
99 100

42 19.0 14.5 21.7

71 33.4 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: 3.577 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

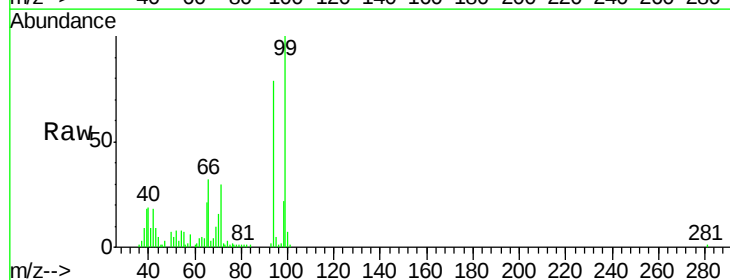
Tgt Ion: 94 Resp: 39869

Ion Ratio Lower Upper

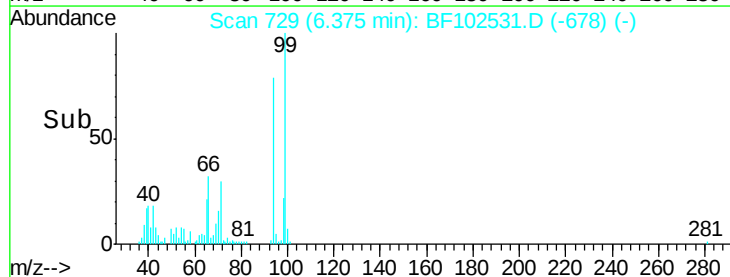
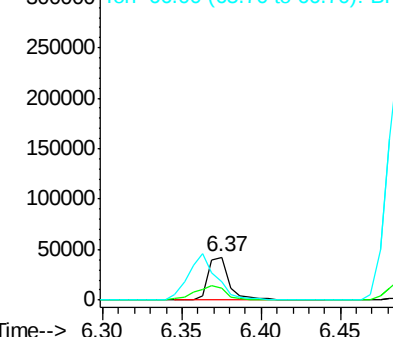
94 100

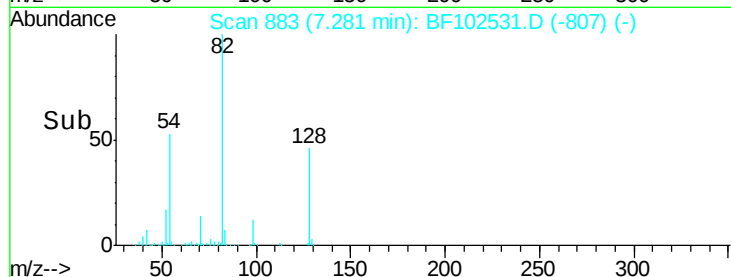
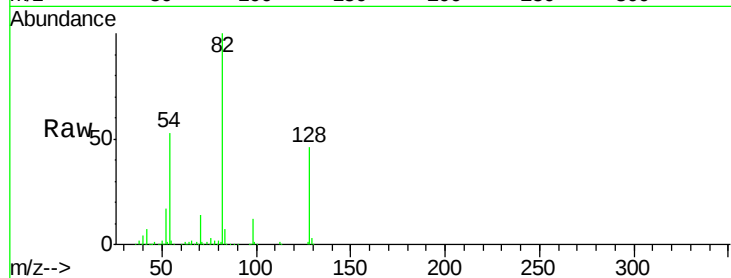
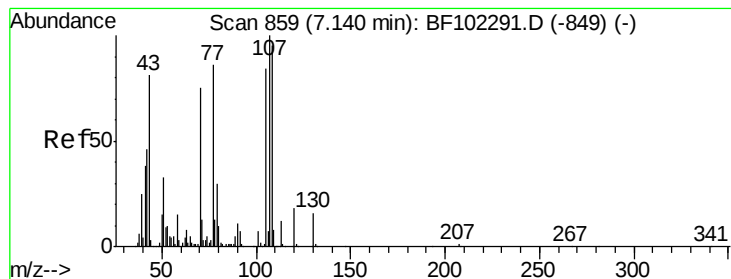
65 26.6 7.9 47.9

66 41.1 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: 12.796 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

Tgt Ion: 70 Resp: 79946

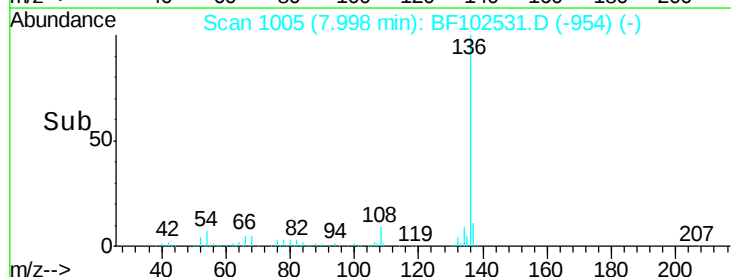
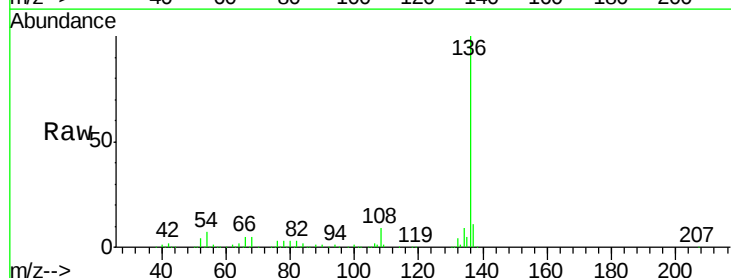
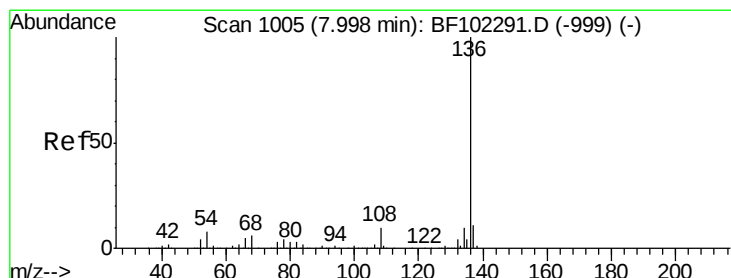
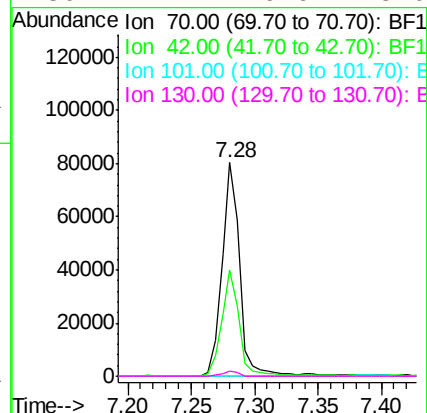
Ion Ratio Lower Upper

70 100

42 49.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF102531.D

Acq: 28 Jan 2018 00:45

Tgt Ion: 136 Resp: 490094

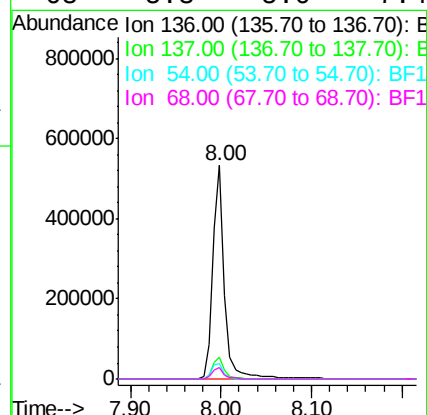
Ion Ratio Lower Upper

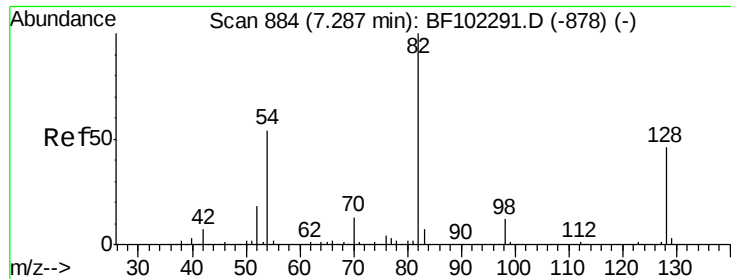
136 100

137 10.5 8.9 13.3

54 7.5 6.6 9.8

68 5.3 5.0 7.4

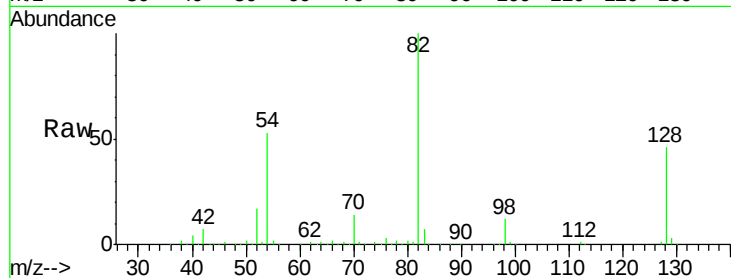




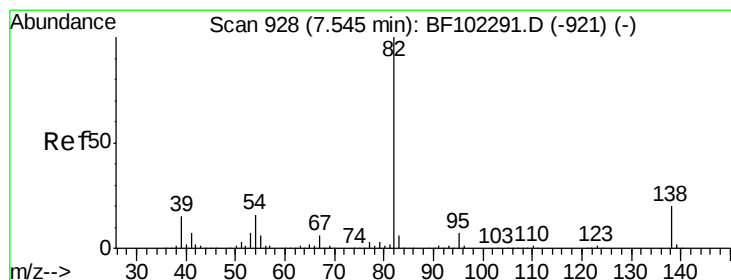
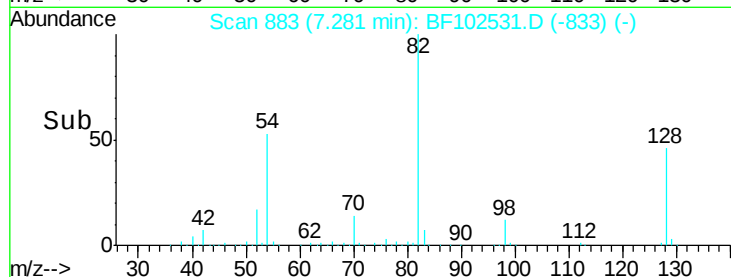
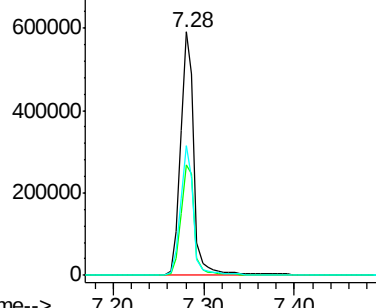
#23
 Nitrobenzene-d5
 Concen: 72.888 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632

Tgt Ion: 82 Resp: 621606
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.1 54.1
 54 53.4 41.4 62.2

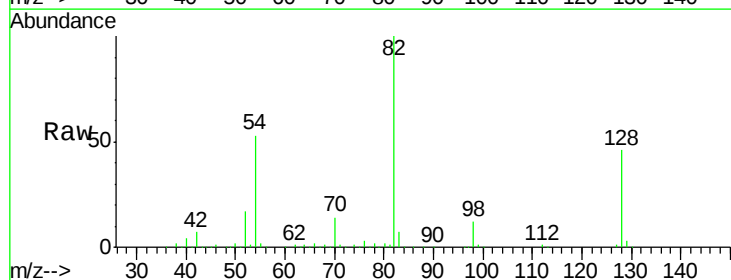


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

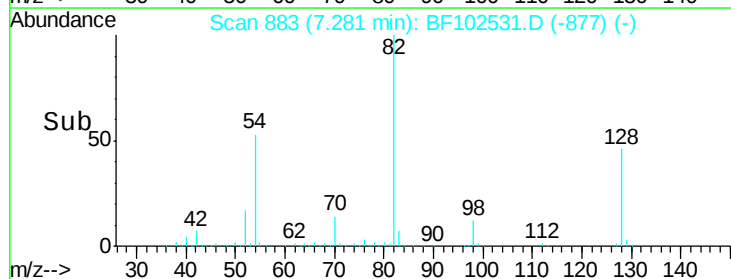
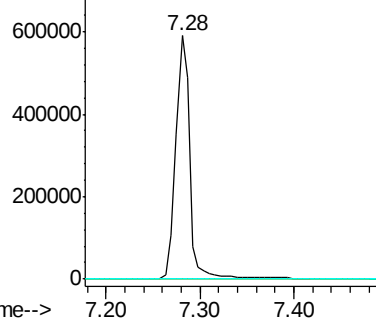


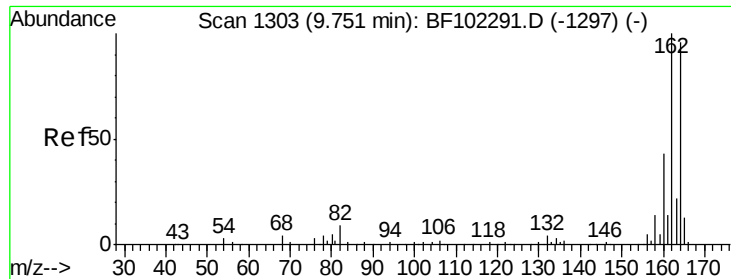
#25
 Isophorone
 Concen: 40.885 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Tgt Ion: 82 Resp: 621602
 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: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

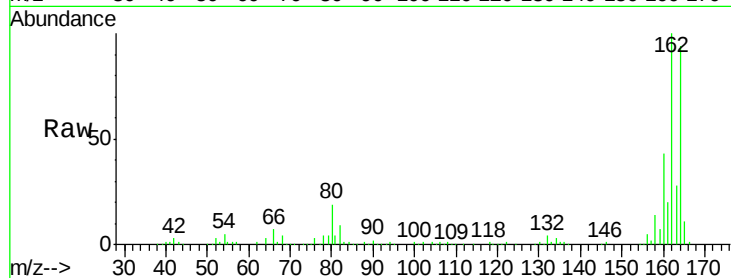
Tgt Ion:164 Resp: 179890

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

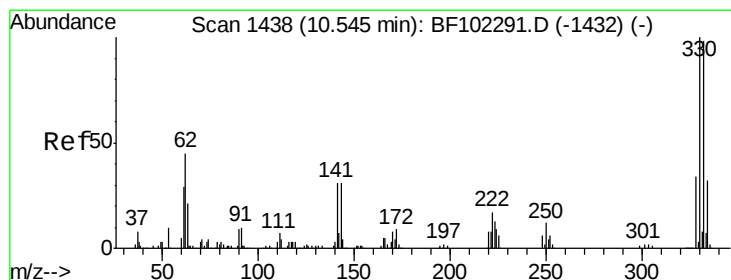
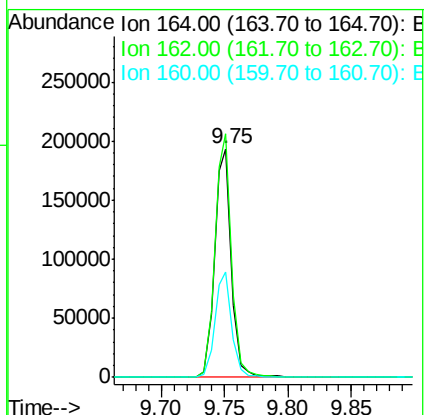
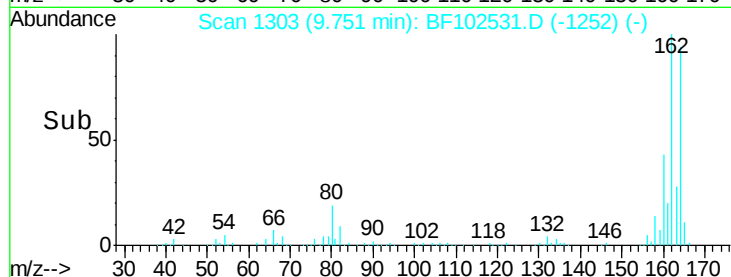
160 46.0 38.3 57.5



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: 80.004 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

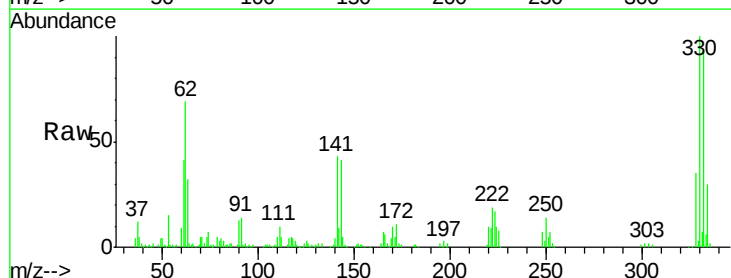
Tgt Ion:330 Resp: 142604

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

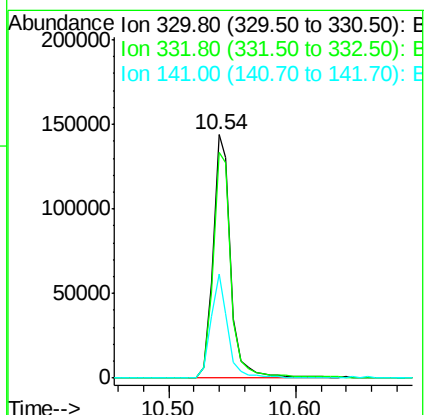
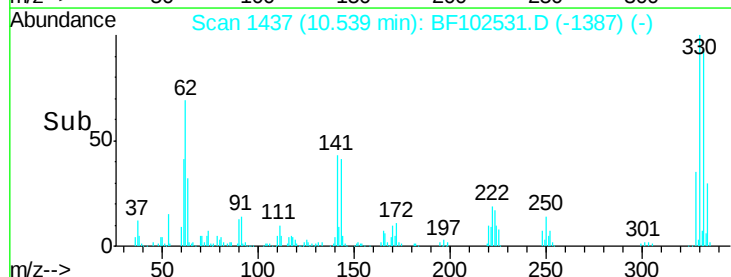
141 41.1 29.9 44.9

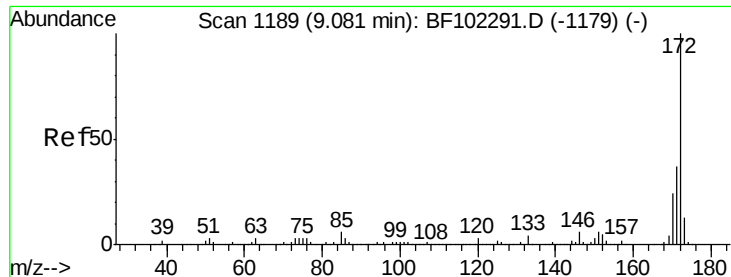


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

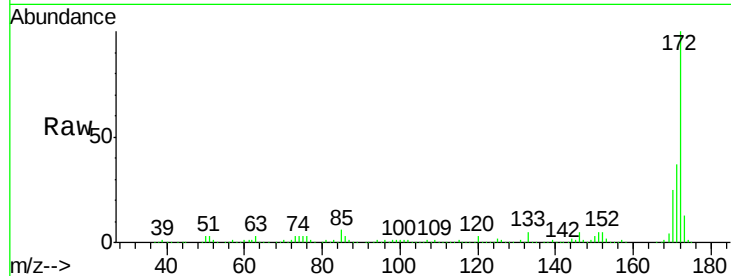




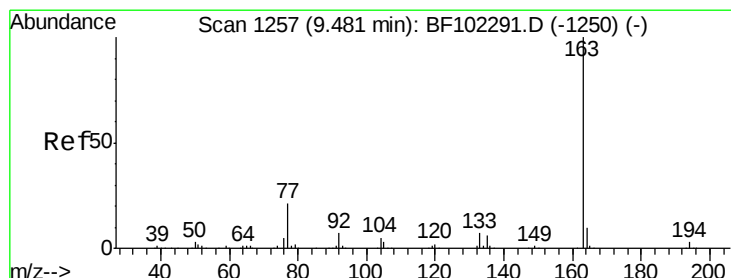
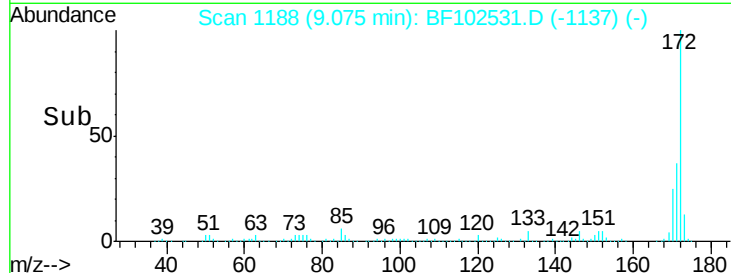
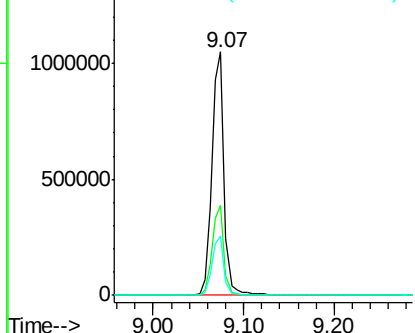
#44
2-Fluorobiphenyl
Concen: 81.063 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102531.D
Acq: 28 Jan 2018 00:45

Instrument :
BNA_F
ClientSampleId :
RO-4632

Tgt Ion:172 Resp: 991765
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.6 19.6 29.4

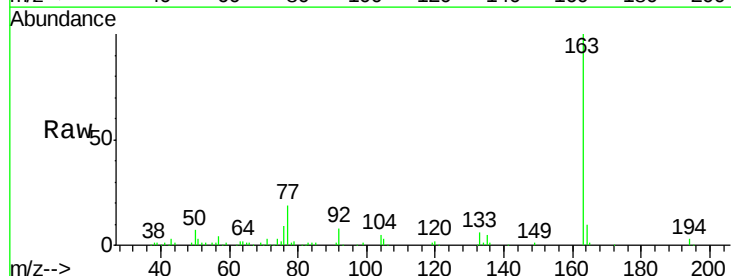


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

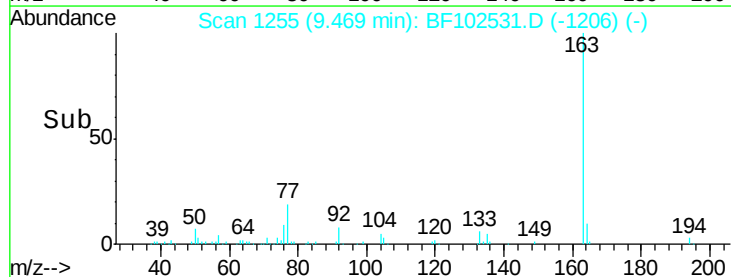
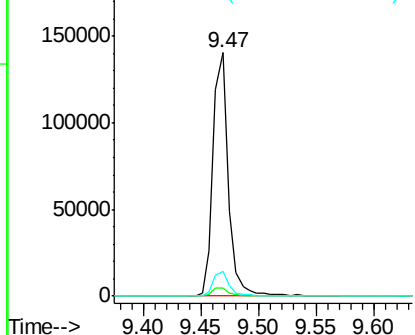


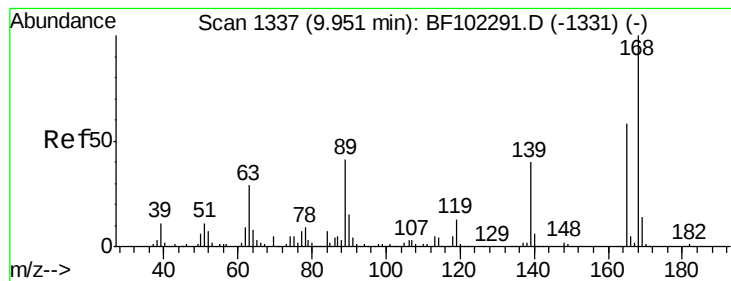
#49
Dimethylphthalate
Concen: 8.751 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102531.D
Acq: 28 Jan 2018 00:45

Tgt Ion:163 Resp: 130113
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.3 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: 5.854 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

Tgt Ion:165 Resp: 23077

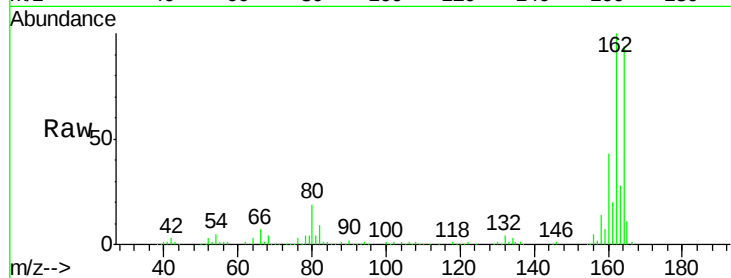
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

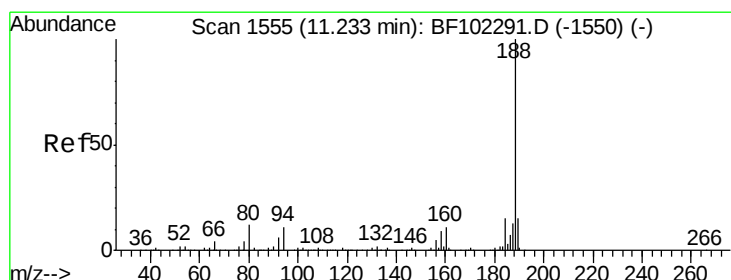
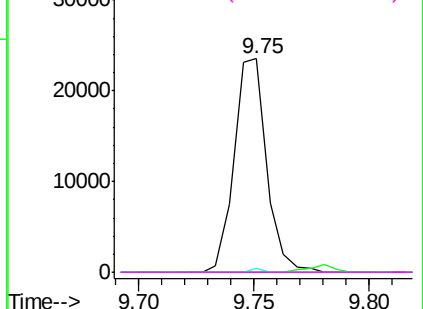
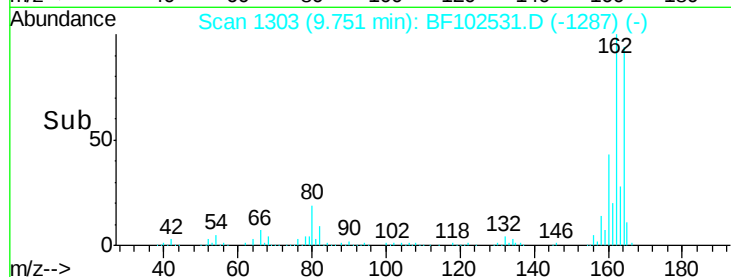


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF102531.D

Acq: 28 Jan 2018 00:45

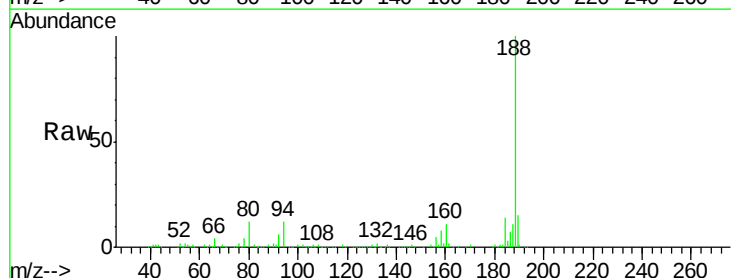
Tgt Ion:188 Resp: 259344

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

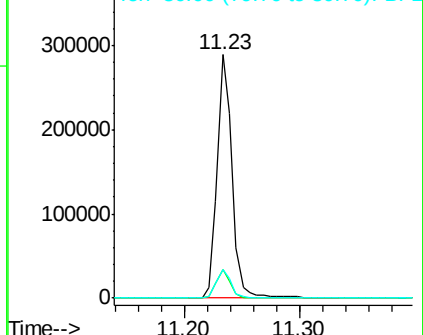
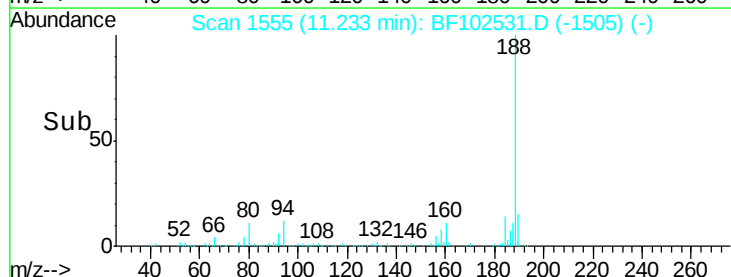
80 11.6 9.2 13.8

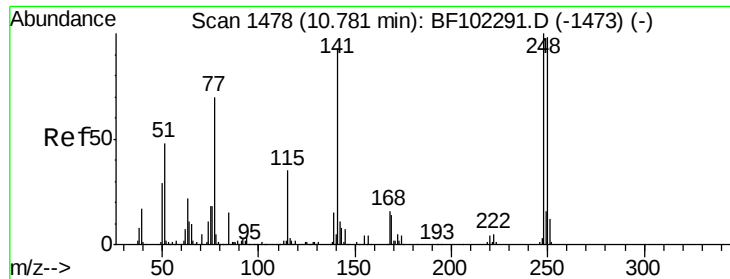


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

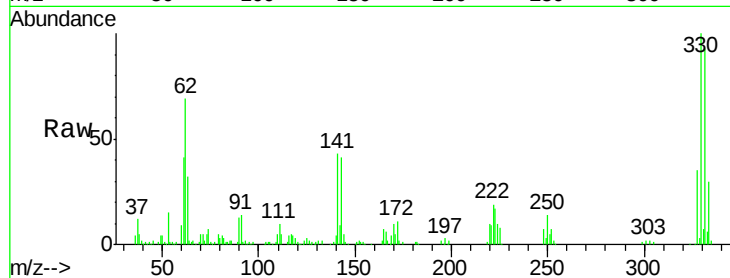




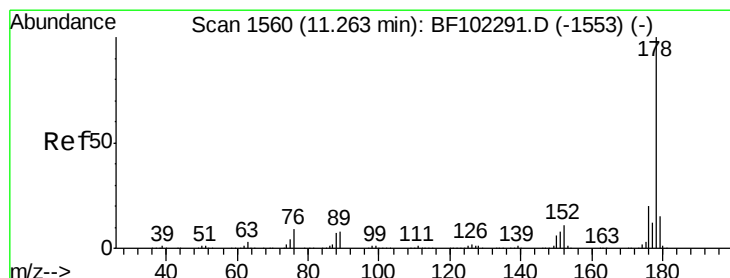
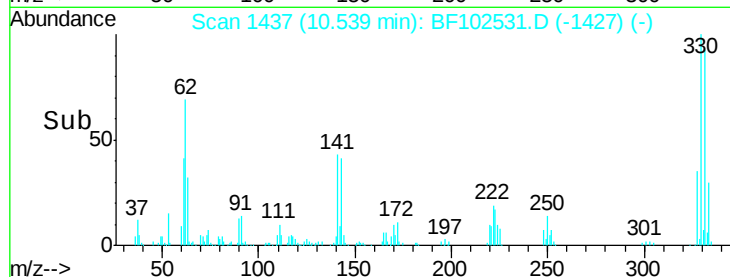
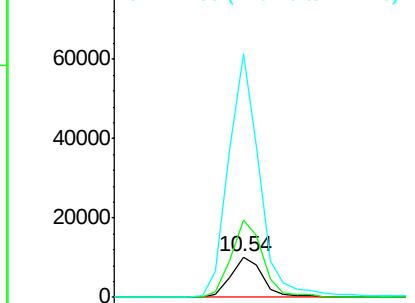
#66
 4-Bromophenyl-phenylether
 Concen: 3.494 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632

Tgt Ion:248 Resp: 9754
 Ion Ratio Lower Upper
 248 100
 250 190.4 76.9 115.3#
 141 599.2 74.4 111.6#

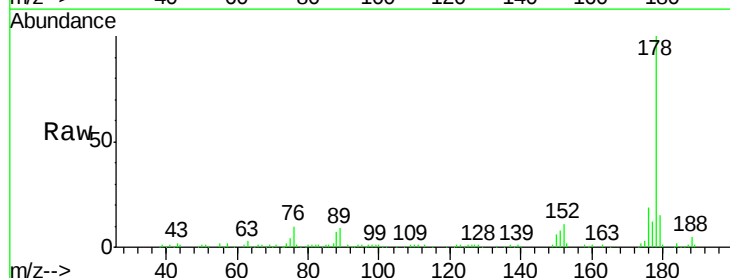


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

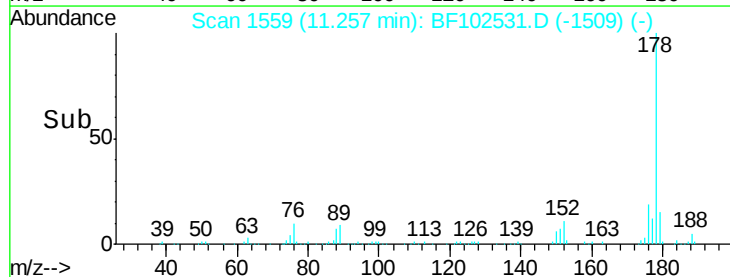
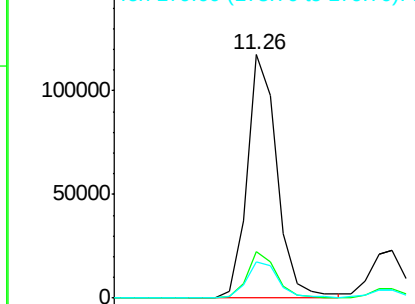


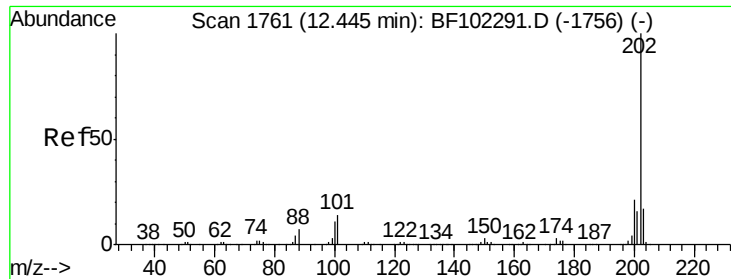
#70
 Phenanthrene
 Concen: 7.037 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Tgt Ion:178 Resp: 106347
 Ion Ratio Lower Upper
 178 100
 176 19.3 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: 13.103 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

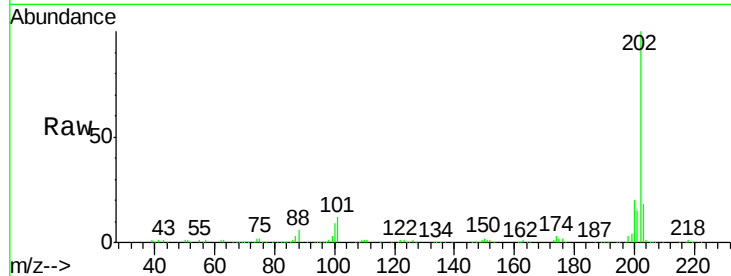
Tgt Ion:202 Resp: 201930

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

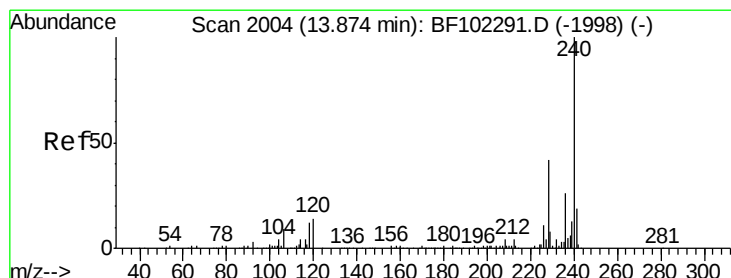
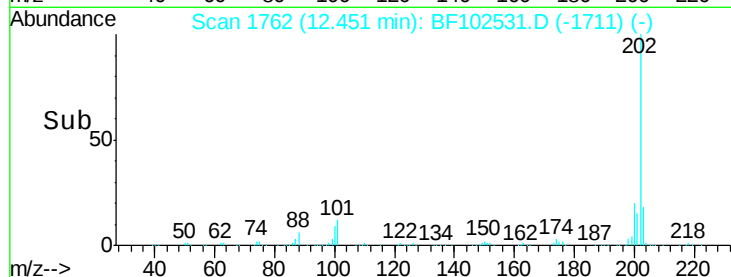
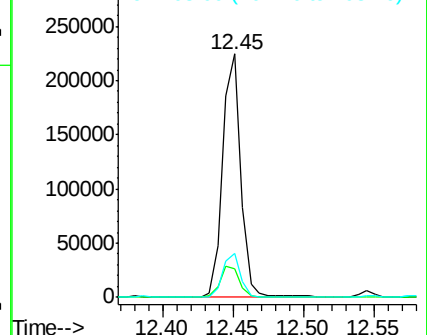
203 17.8 0.0 38.1



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: BF102531.D

Acq: 28 Jan 2018 00:45

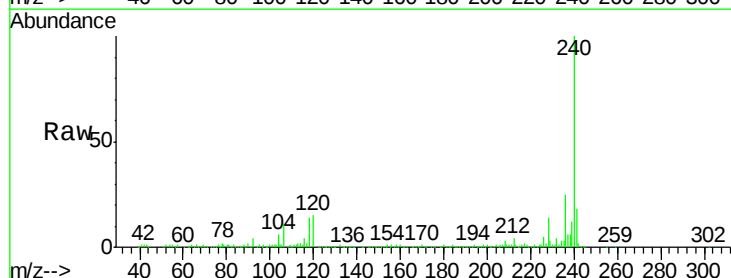
Tgt Ion:240 Resp: 253515

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

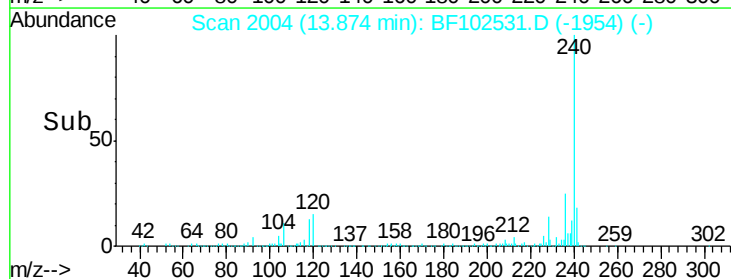
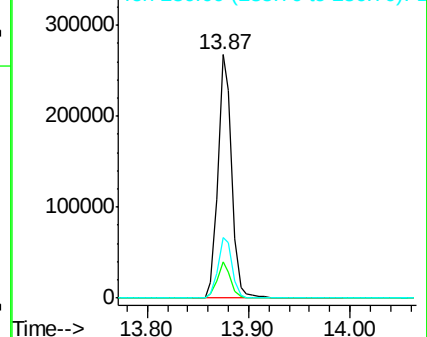
236 25.1 20.7 31.1

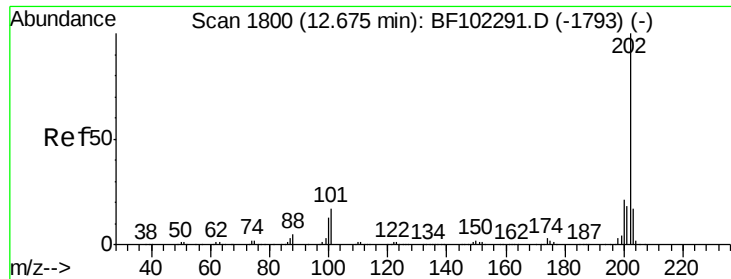


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

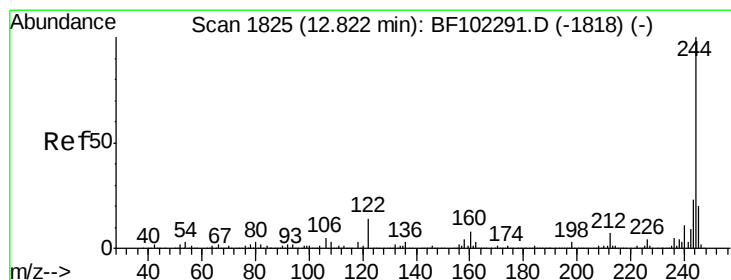
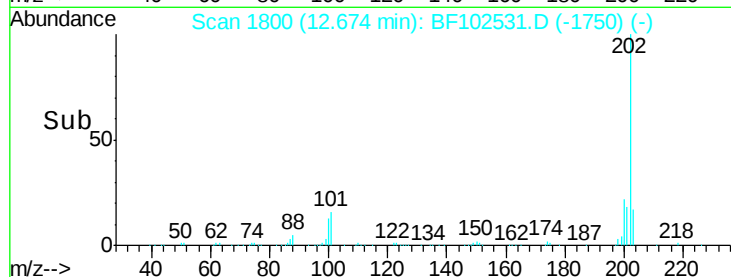
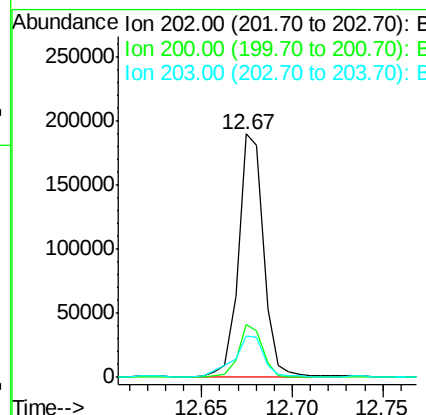
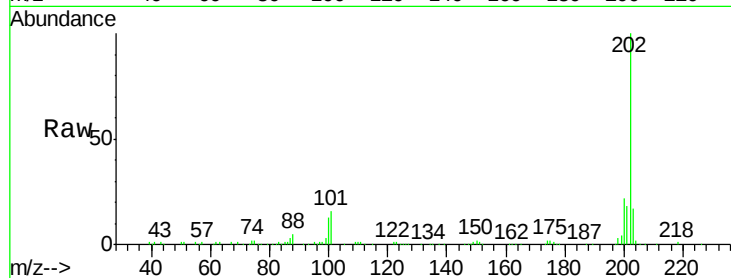




#77
 Pyrene
 Concen: 9.411 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

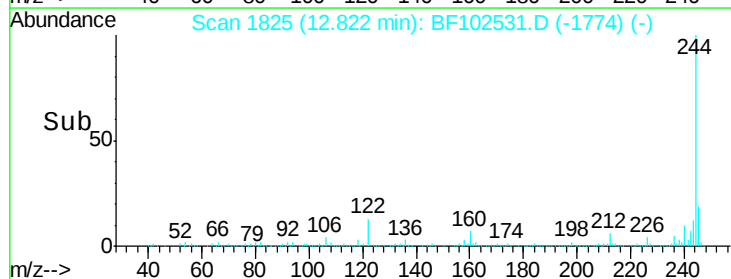
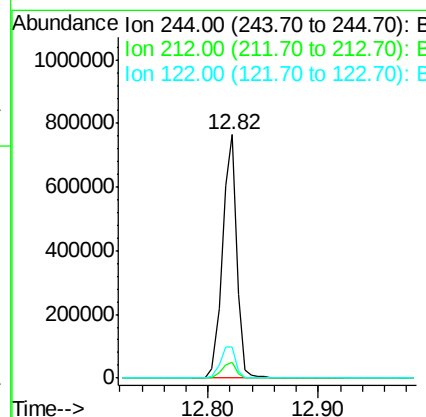
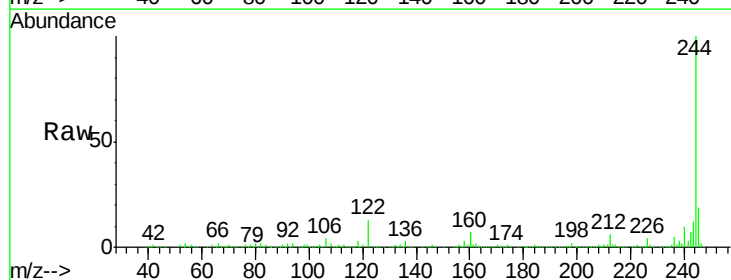
Instrument :
 BNA_F
 ClientSampleId :
 RO-4632

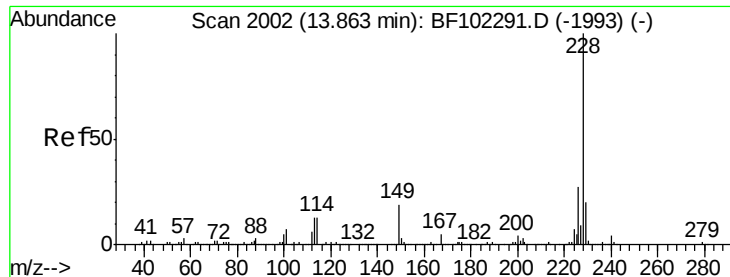
Tgt Ion: 202 Resp: 184456
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 17.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 60.879 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102531.D
 Acq: 28 Jan 2018 00:45

Tgt Ion: 244 Resp: 684623
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.6 11.0 16.4





#80

Benzo(a)anthracene

Concen: 5.779 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

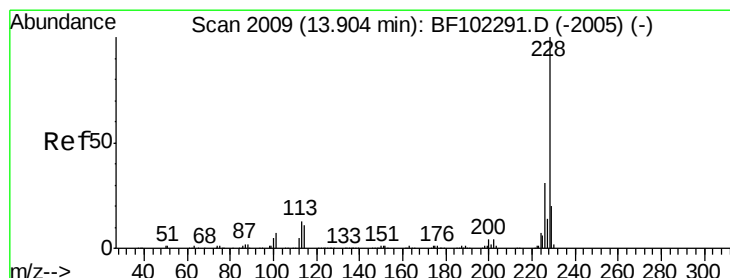
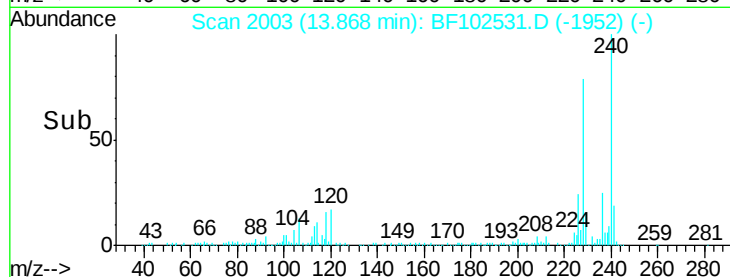
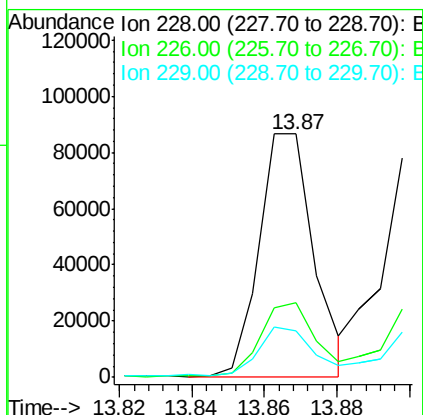
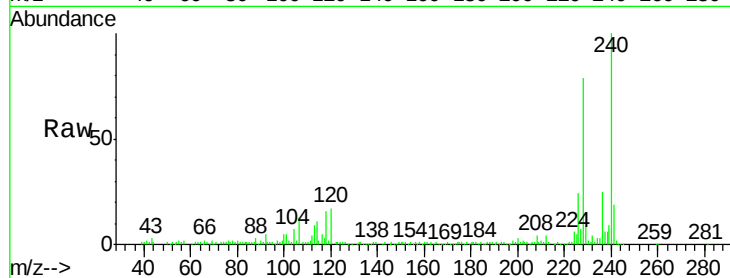
Instrument :

BNA_F

ClientSampleId :

RO-4632

Tgt Ion:	228	Resp:	90200
Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	19.0	15.8	23.6



#82

Chrysene

Concen: 6.296 ng

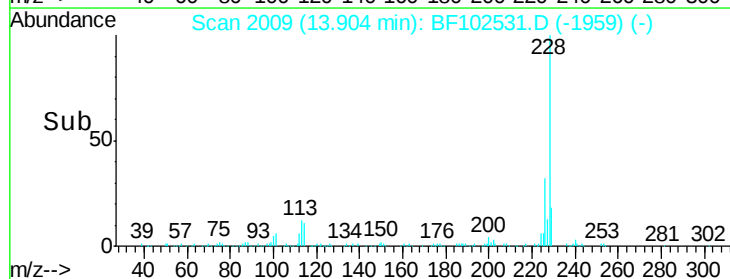
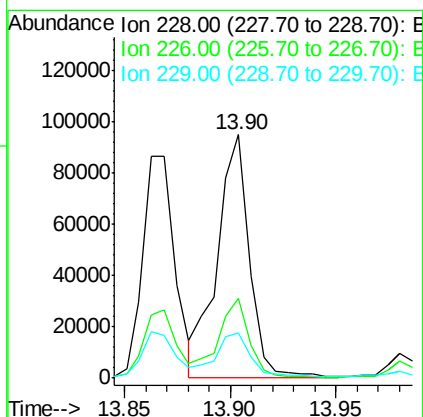
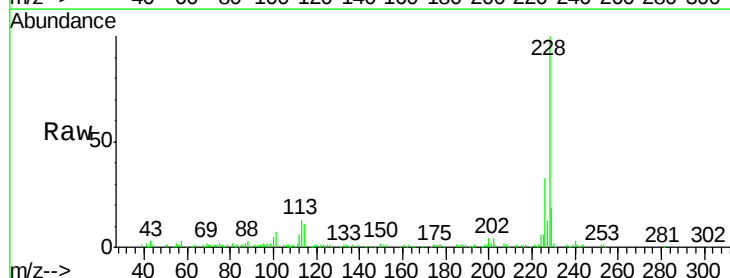
RT: 13.90 min Scan# 2009

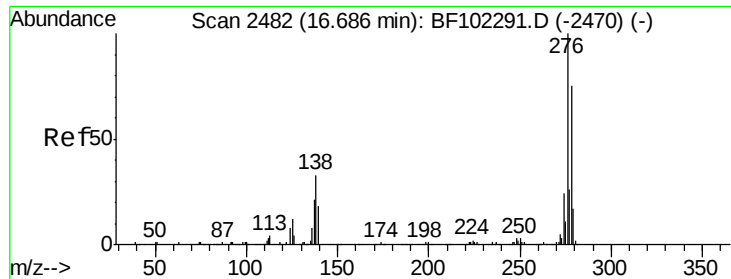
Delta R.T. -0.01 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Tgt Ion:	228	Resp:	99788
Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	18.8	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.731 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

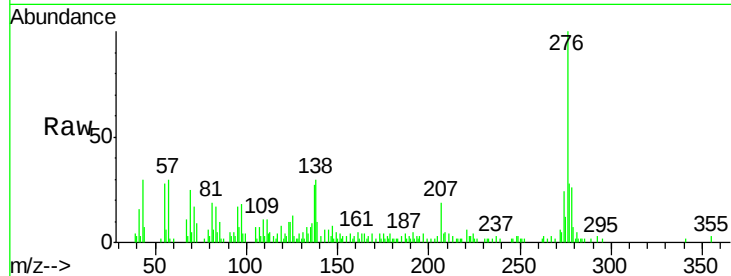
Tgt Ion:276 Resp: 35753

Ion Ratio Lower Upper

276 100

138 27.6 25.0 37.6

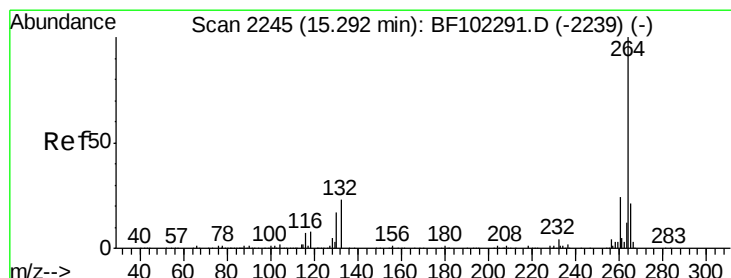
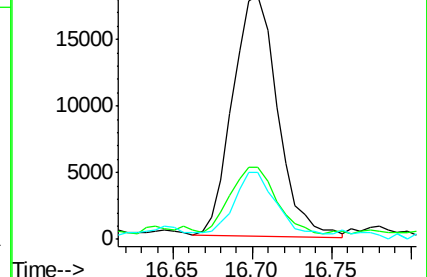
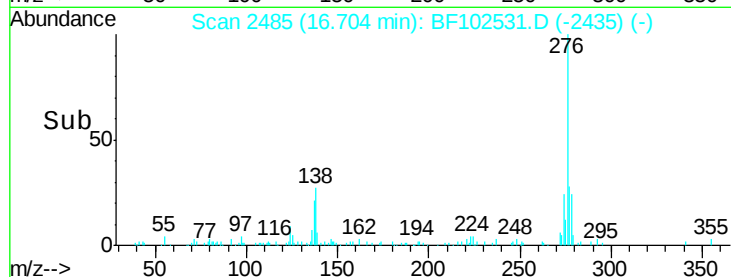
277 28.4 20.1 30.1



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: BF102531.D

Acq: 28 Jan 2018 00:45

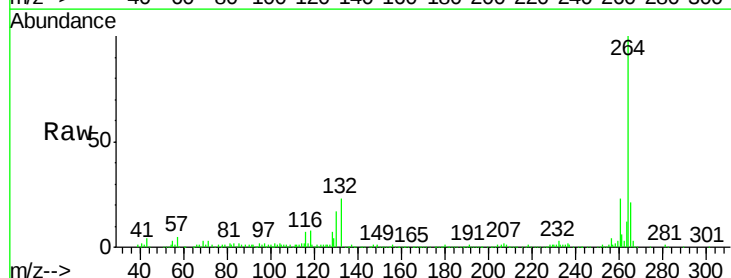
Tgt Ion:264 Resp: 215217

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

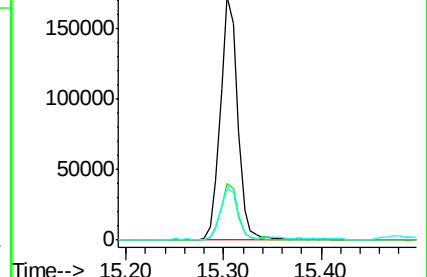
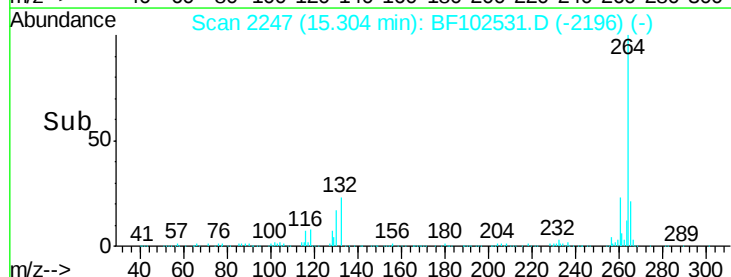
265 21.4 17.5 26.3

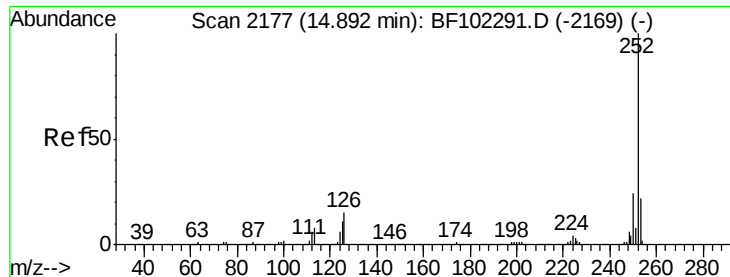


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

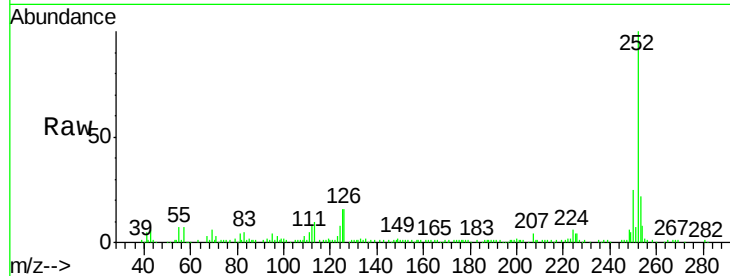




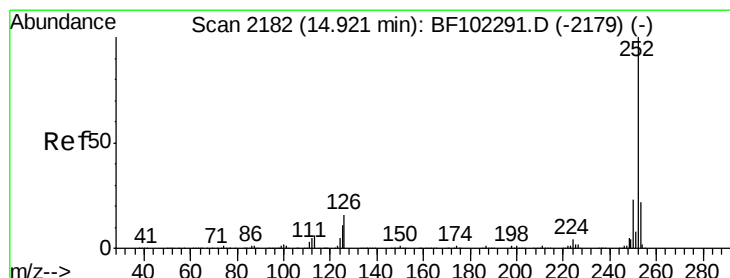
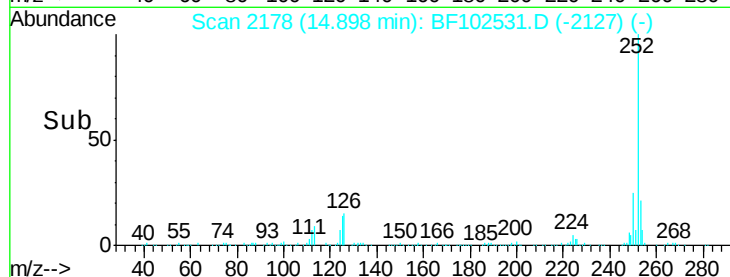
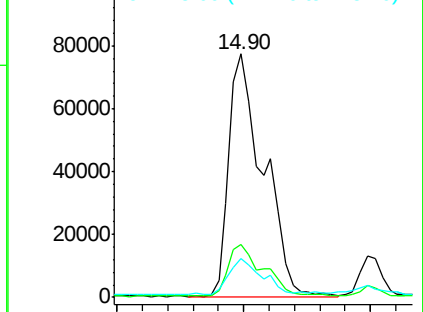
#87
Benzo(b)fluoranthene
Concen: 10.624 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102531.D
Acq: 28 Jan 2018 00:45

Instrument :
BNA_F
ClientSampled :
RO-4632

Tgt Ion:252 Resp: 148199
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 15.9 9.0 13.6#

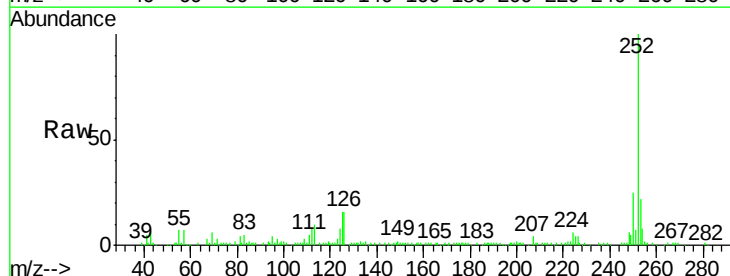


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

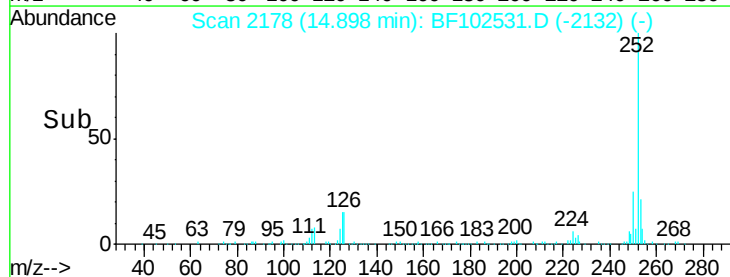
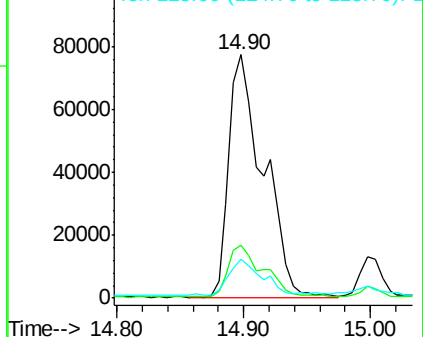


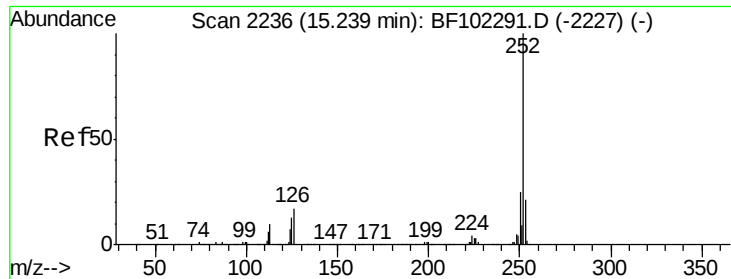
#88
Benzo(k)fluoranthene
Concen: 11.245 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102531.D
Acq: 28 Jan 2018 00:45

Tgt Ion:252 Resp: 148199
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 15.9 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: 5.702 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

RO-4632

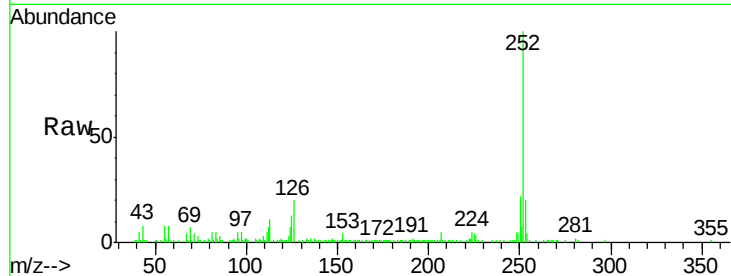
Tgt Ion:252 Resp: 71734

Ion Ratio Lower Upper

252 100

253 20.2 17.1 25.7

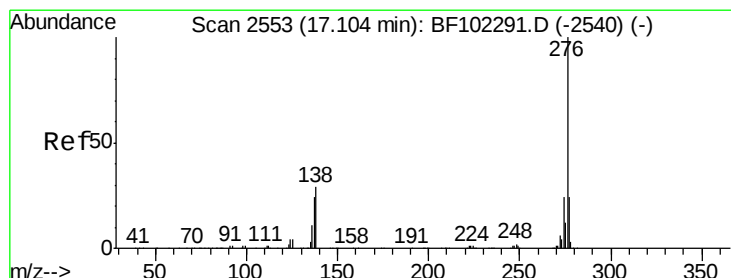
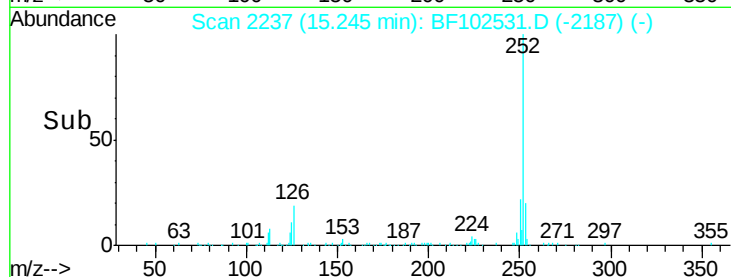
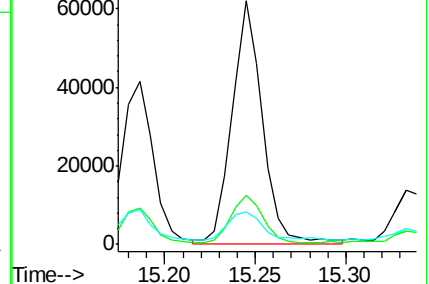
125 13.4 9.8 14.6



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: 3.564 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF102531.D

Acq: 28 Jan 2018 00:45

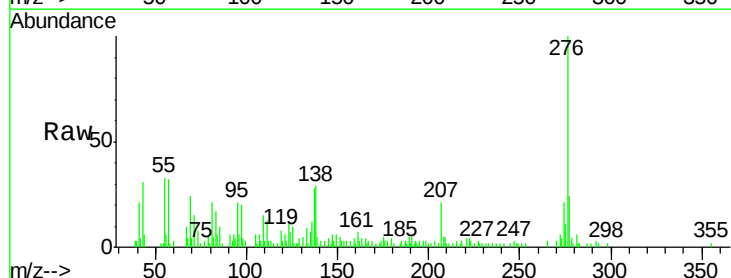
Tgt Ion:276 Resp: 35858

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 29.1 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

