

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102505.D
 Acq On : 27 Jan 2018 12:50
 Operator : SJ/JU
 Sample : J1306-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC2

Quant Time: Jan 27 20:57:47 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	6.71	152	170496	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	707396	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	306111	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	474191	20.00	ng	0.00
75) Chrysene-d12	13.87	240	276004	20.00	ng	0.00
86) Perylene-d12	15.30	264	300368	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	991526	88.18	ng	0.00
7) Phenol-d6	6.36	99	1203122	88.75	ng	0.00
23) Nitrobenzene-d5	7.28	82	746665	60.66	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	204610	67.46	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	878082	42.18	ng	0.00
78) Terphenyl-d14	12.82	244	598484	48.88	ng	0.00

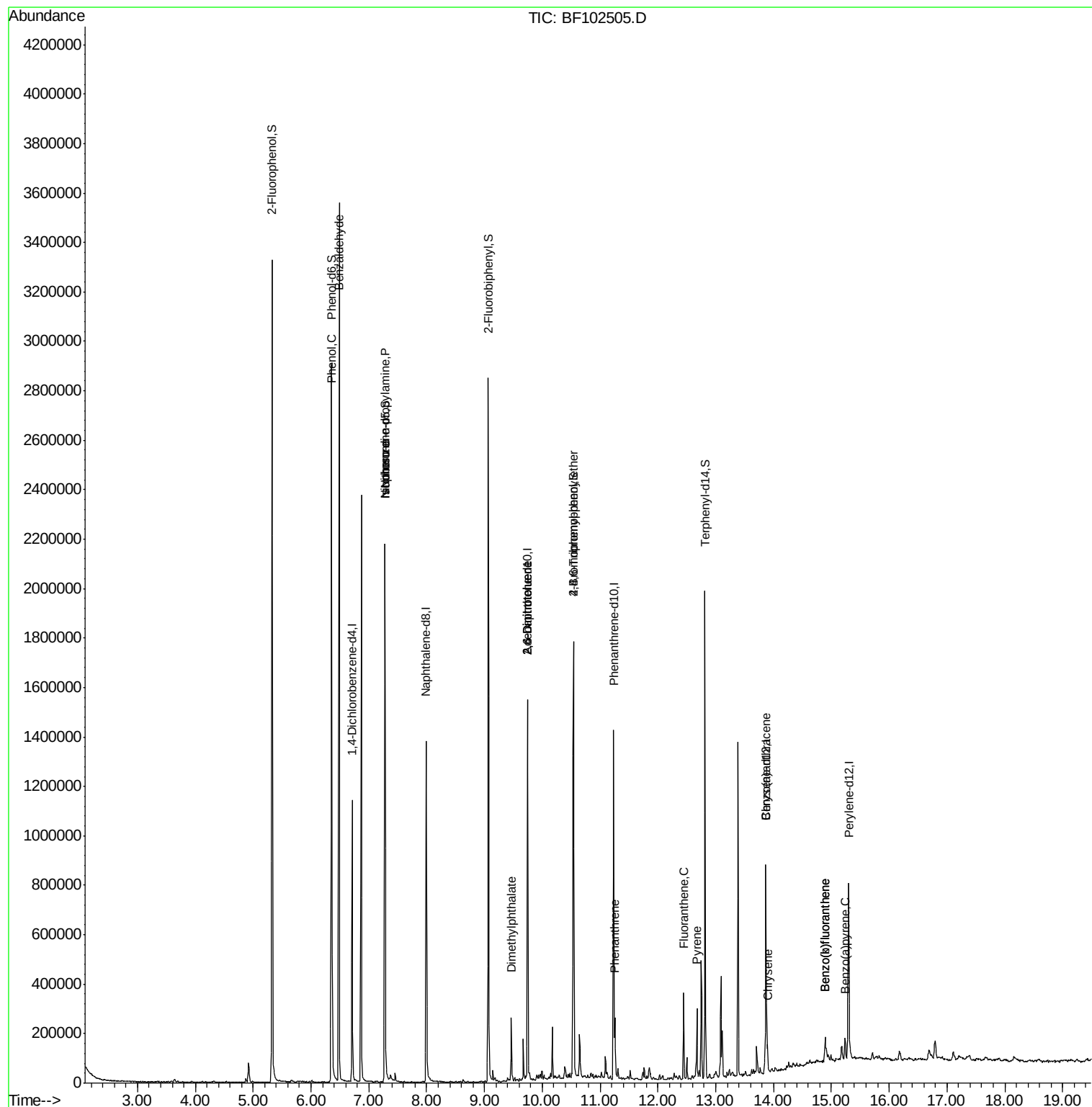
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	21208	2.282	ng	85
10) Phenol	6.37	94	45242	3.057	ng	92
19) n-Nitroso-di-n-propylamine	7.28	70	99506	11.994	ng	# 78
25) Isophorone	7.28	82	746656	34.024	ng	# 64
49) Dimethylphthalate	9.46	163	104796	4.142	ng	99
50) 2,6-Dinitrotoluene	9.75	165	39925	7.319	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	39925	5.952	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	13757	2.695	ng	# 1
70) Phenanthrene	11.26	178	80629	2.918	ng	98
74) Fluoranthene	12.44	202	128316	4.554	ng	98
77) Pyrene	12.67	202	111320	5.217	ng	98
80) Benzo(a)anthracene	13.86	228	46835	2.756	ng	99
82) Chrysene	13.90	228	39604	2.295	ng	98
87) Benzo(b)fluoranthene	14.89	252	69552	3.573	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	69552	3.781	ng	# 95
89) Benzo(a)pyrene	15.24	252	38110	2.170	ng	# 90

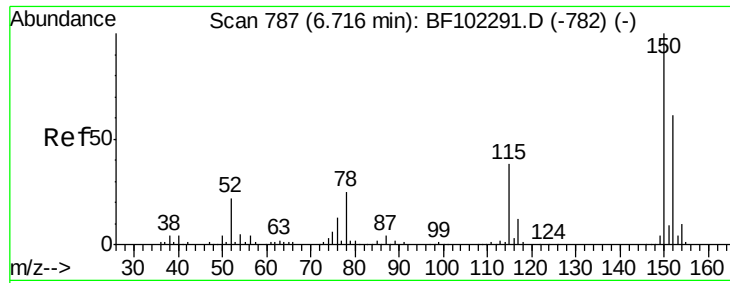
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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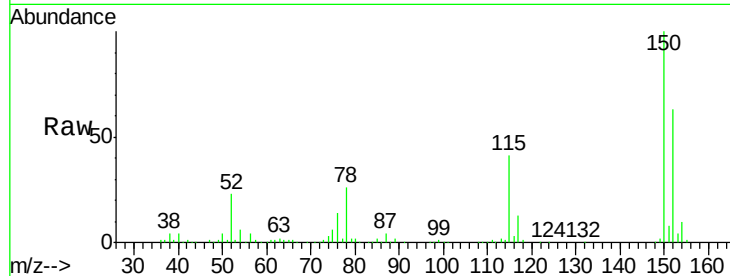


#1

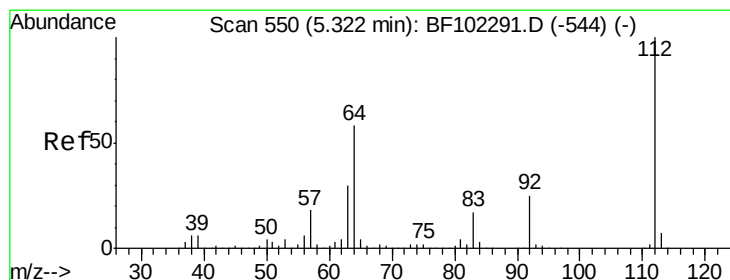
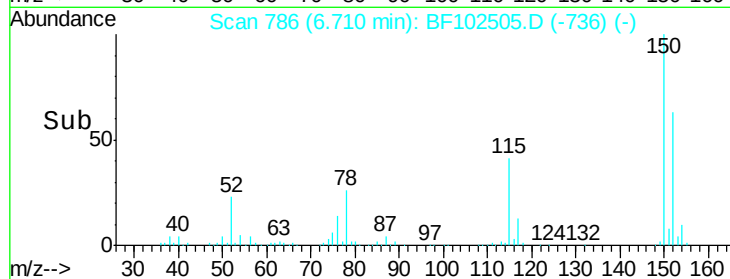
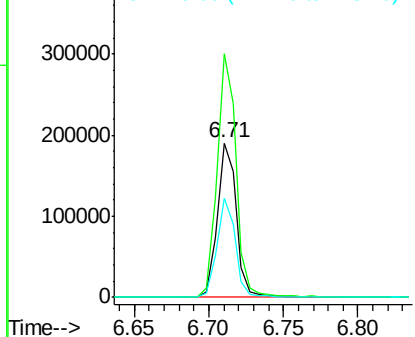
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

Instrument :
BNA_F
ClientSampleId :
WC2

Tgt Ion:152 Resp: 170496
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 64.1 50.1 75.1



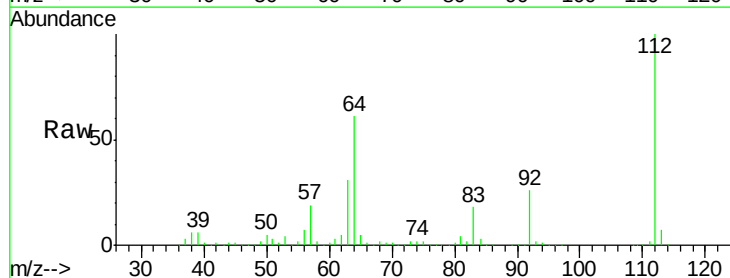
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



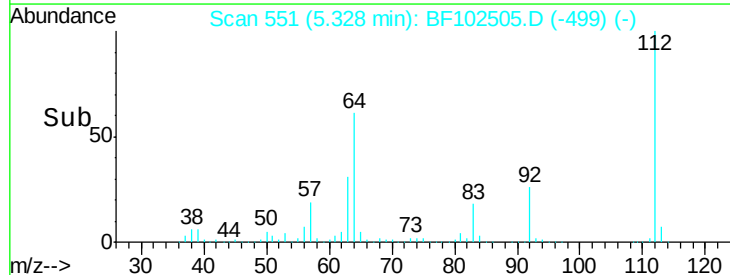
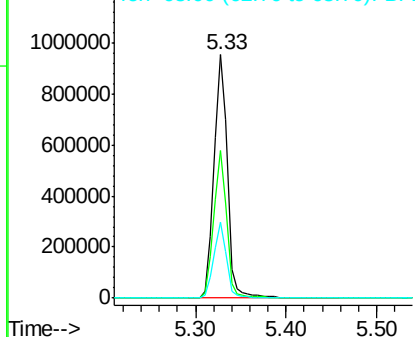
#5

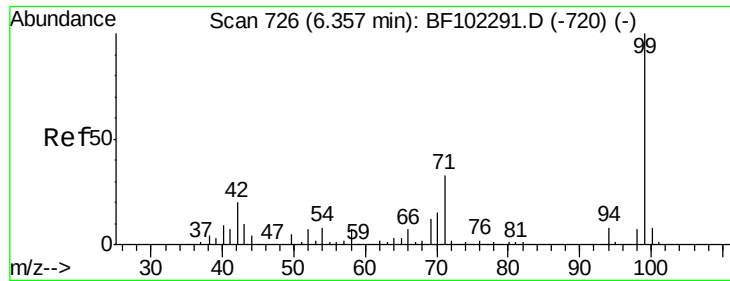
2-Fluorophenol
Concen: 88.179 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

Tgt Ion:112 Resp: 991526
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.3 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: 88.750 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampled :

WC2

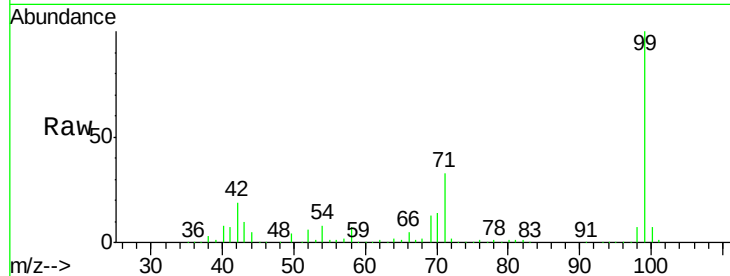
Tgt Ion: 99 Resp: 1203122

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

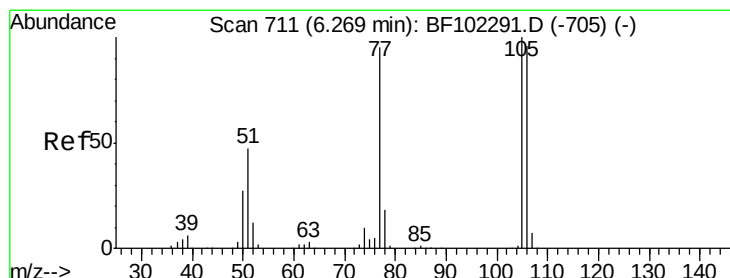
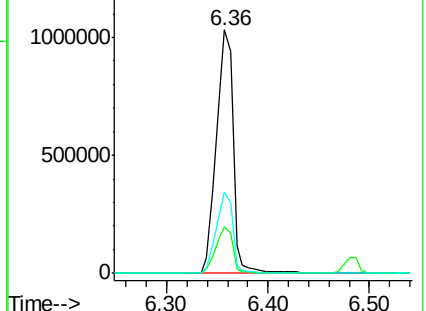
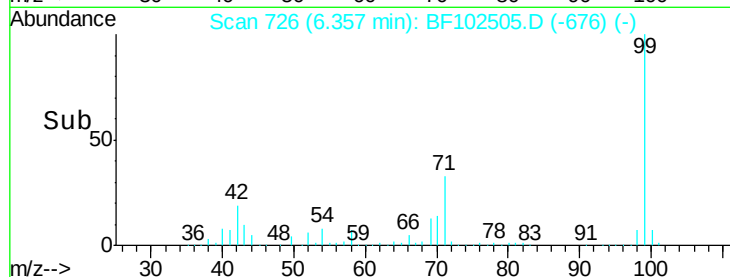
71 33.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.282 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

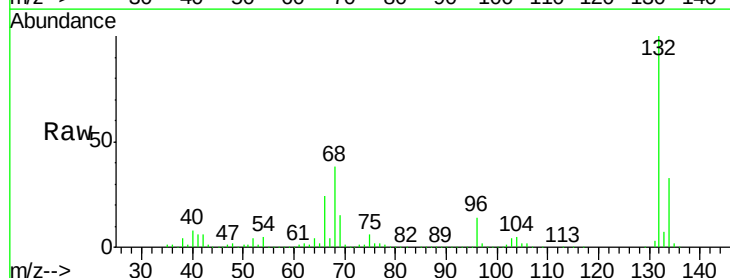
Tgt Ion: 77 Resp: 21208

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

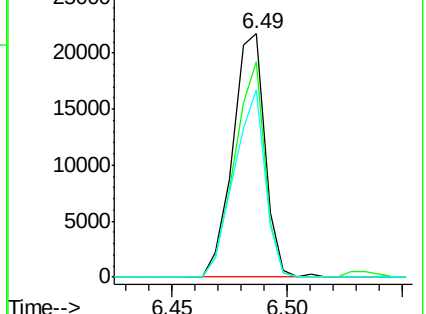
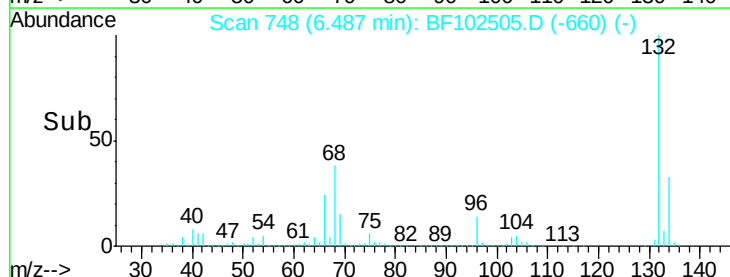
106 77.1 74.5 114.5

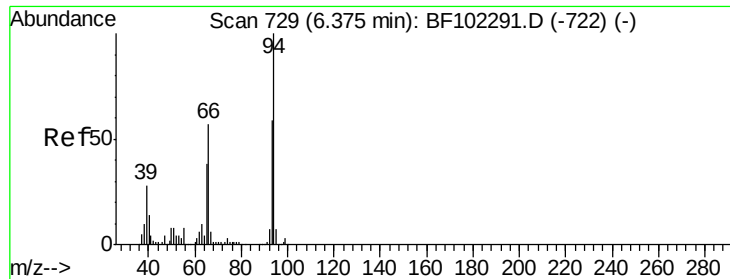


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.057 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampleId :

WC2

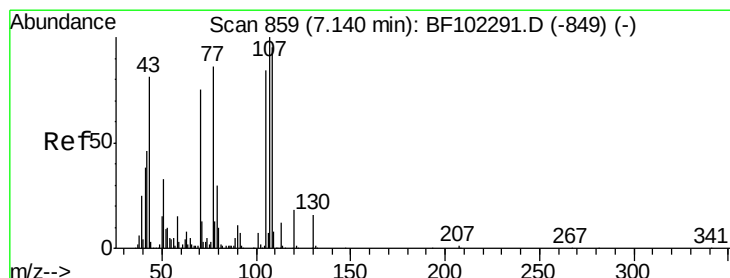
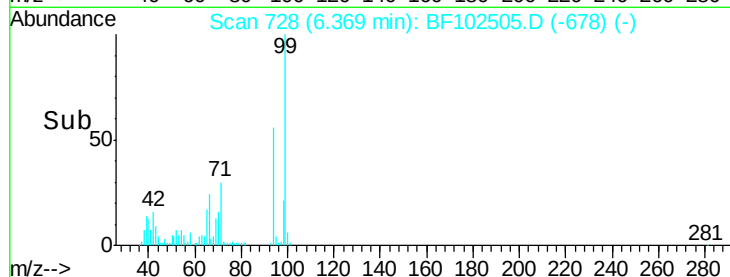
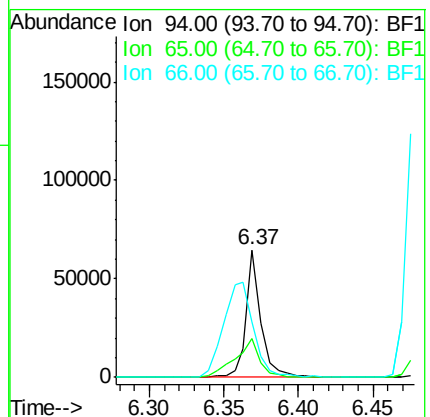
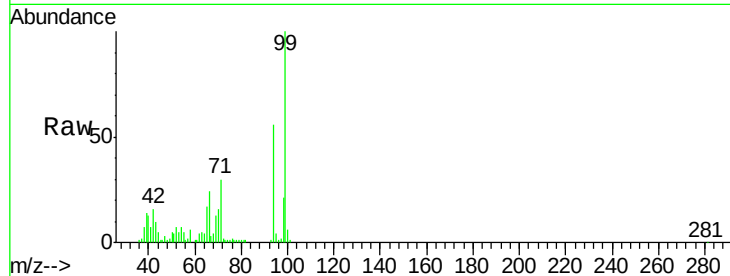
Tgt Ion: 94 Resp: 45242

Ion Ratio Lower Upper

94 100

65 30.2 7.9 47.9

66 43.0 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.994 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Tgt Ion: 70 Resp: 99506

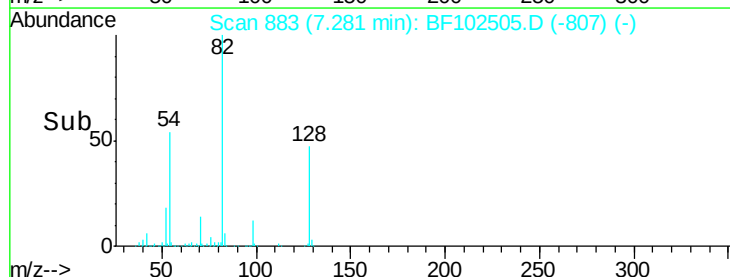
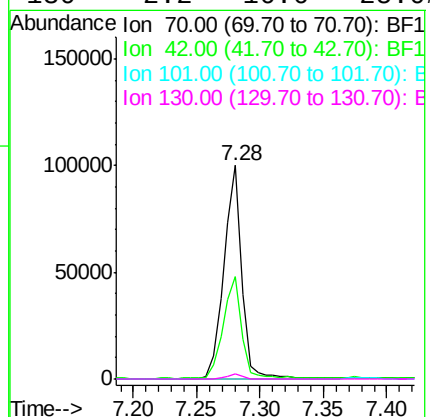
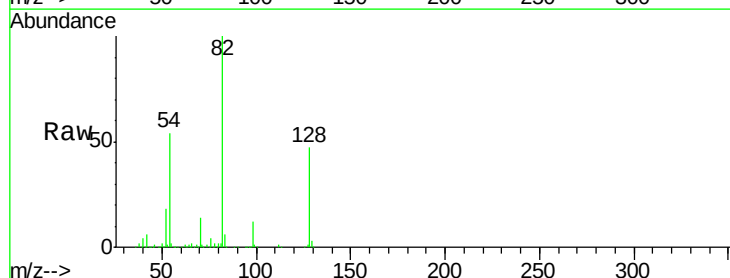
Ion Ratio Lower Upper

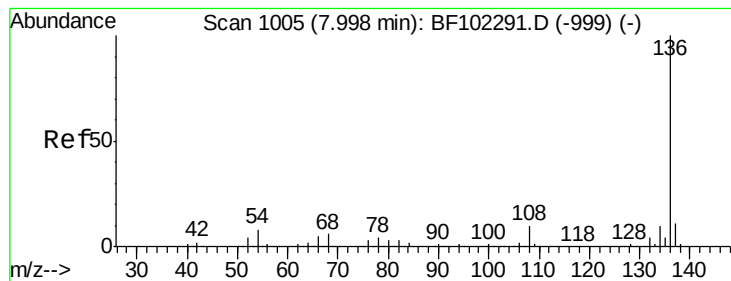
70 100

42 47.9 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: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampleId :

WC2

Tgt Ion:136 Resp: 707396

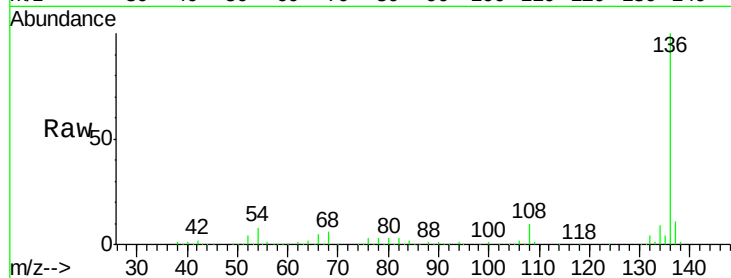
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4

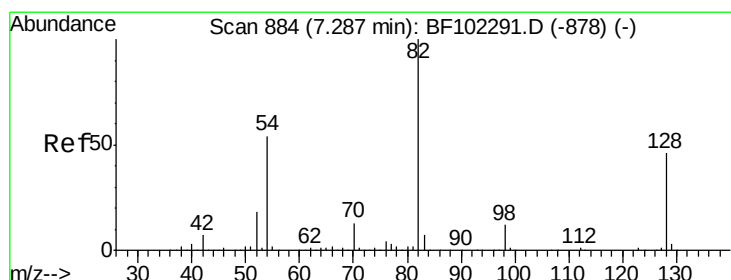
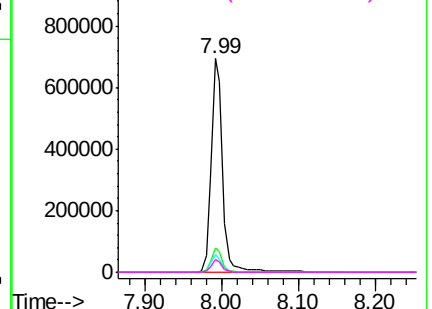
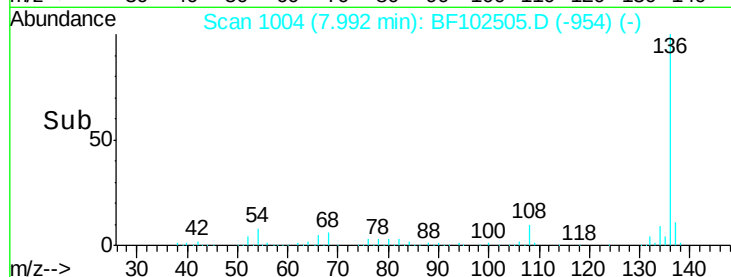


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 60.657 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

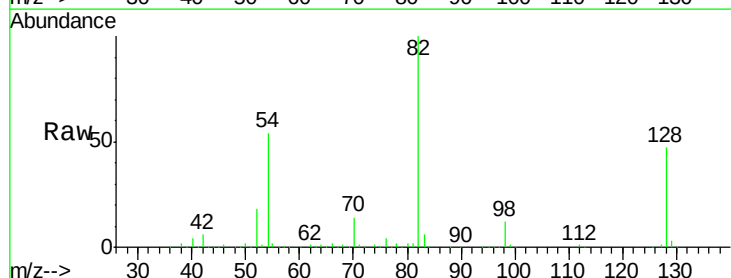
Tgt Ion: 82 Resp: 746665

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

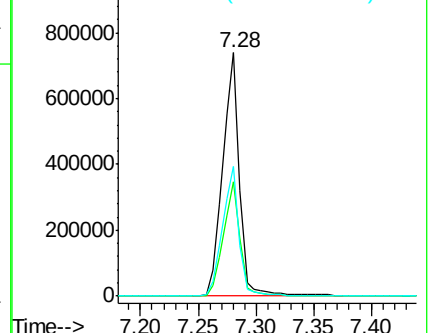
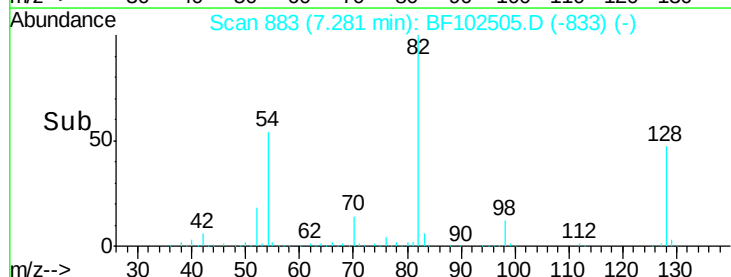
54 53.5 41.4 62.2

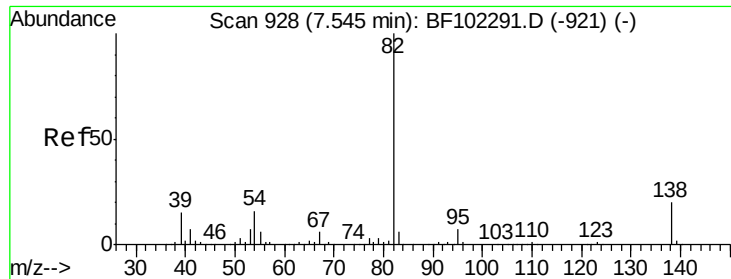


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.024 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

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ClientSampleId :

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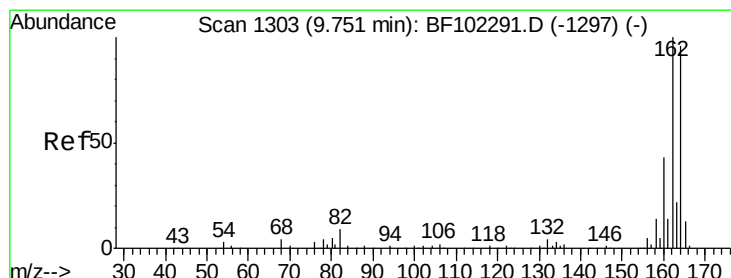
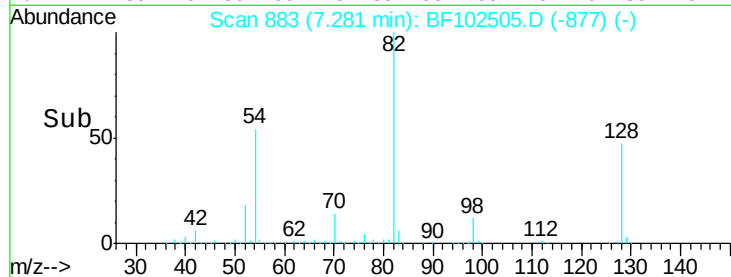
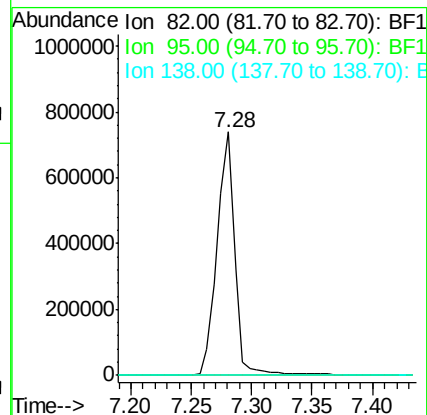
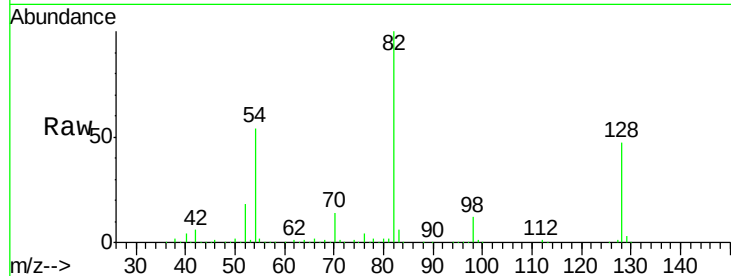
Tgt Ion: 82 Resp: 746656

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

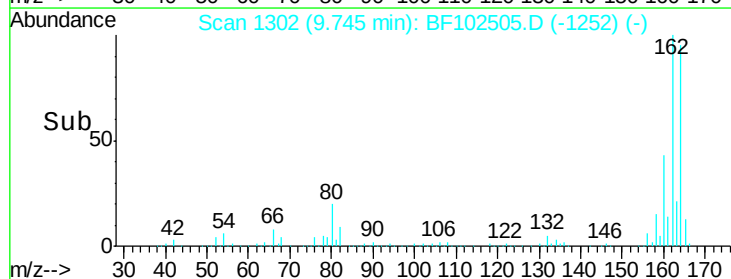
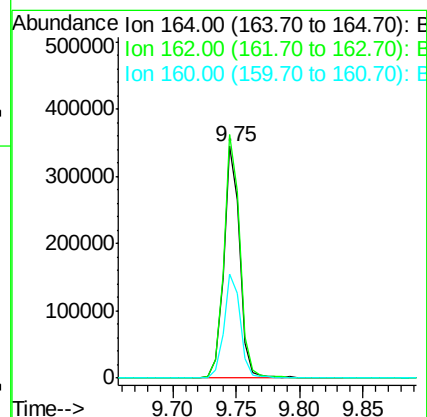
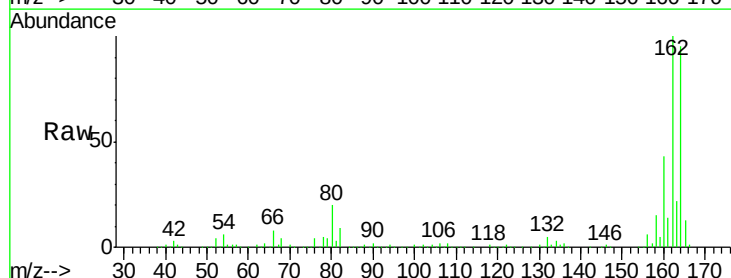
Tgt Ion: 164 Resp: 306111

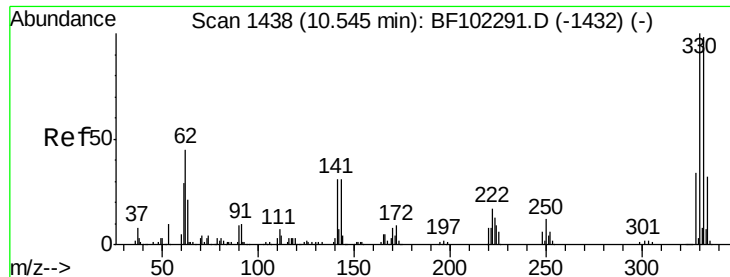
Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

160 44.8 38.3 57.5

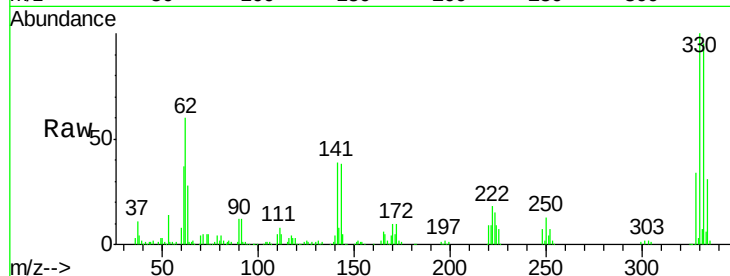




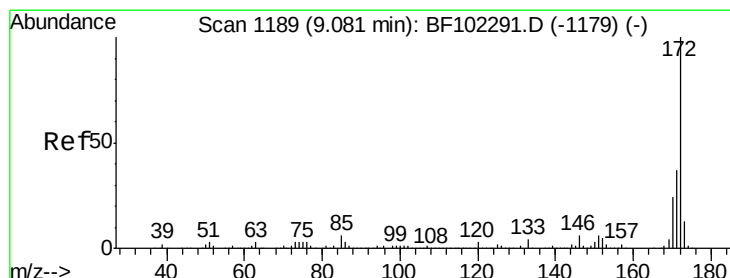
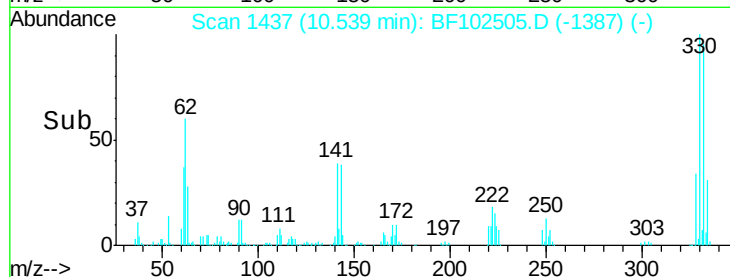
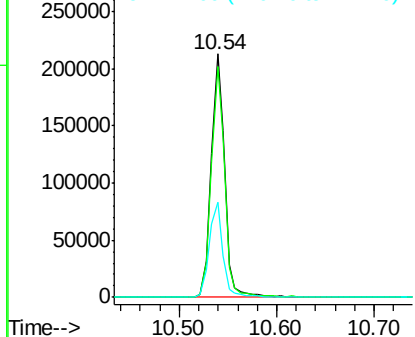
#41
 2,4,6-Tribromophenol
 Concen: 67.459 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Instrument :
 BNA_F
 ClientSampleId :
 WC2

Tgt Ion:330 Resp: 204610
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 39.8 29.9 44.9

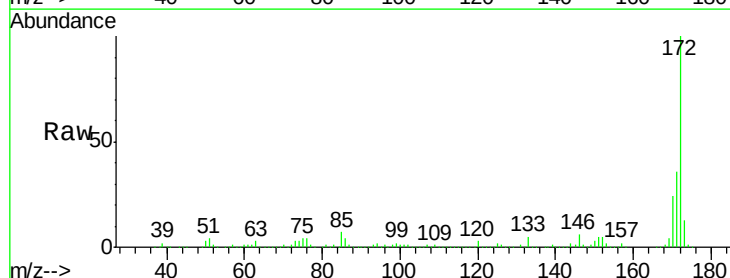


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

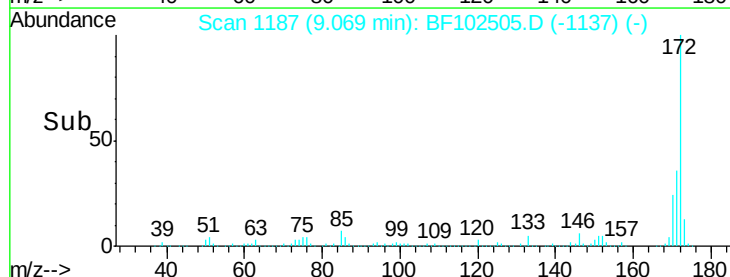
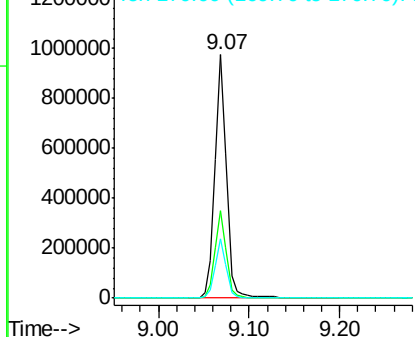


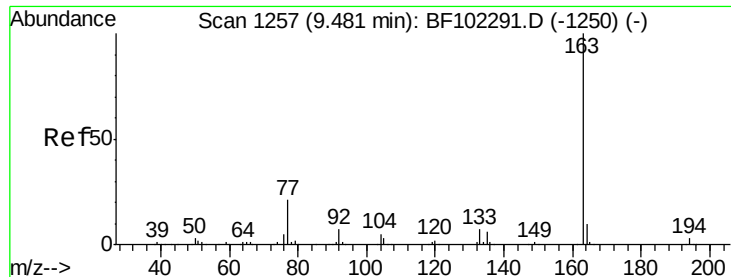
#44
 2-Fluorobiphenyl
 Concen: 42.177 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Tgt Ion:172 Resp: 878082
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.2 19.6 29.4



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

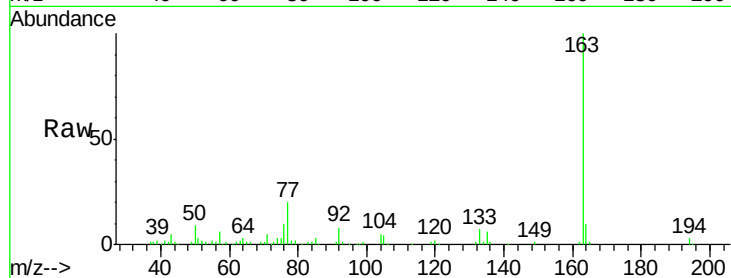




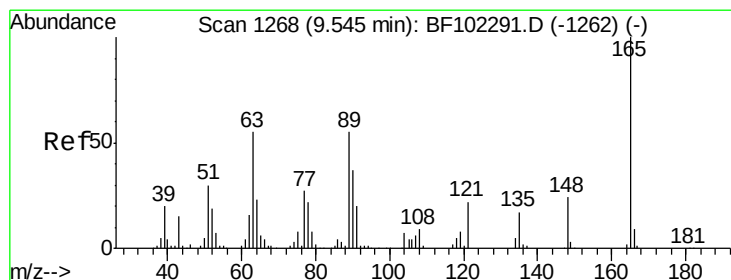
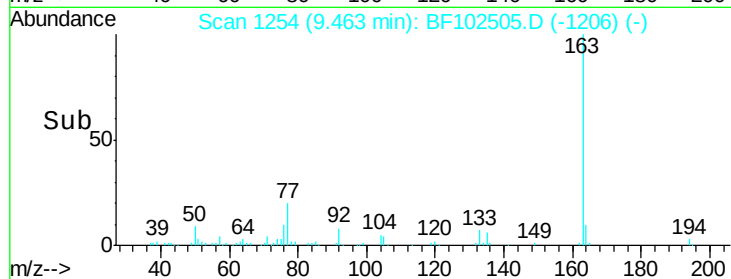
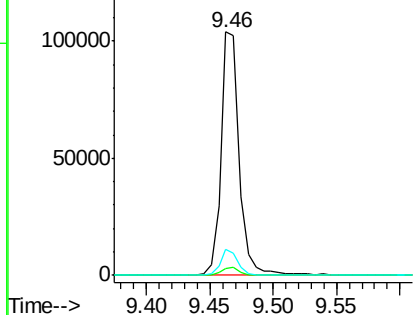
#49
 Dimethylphthalate
 Concen: 4.142 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Instrument :
 BNA_F
 ClientSampled :
 WC2

Tgt Ion:163 Resp: 104796
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 10.5 8.2 12.2

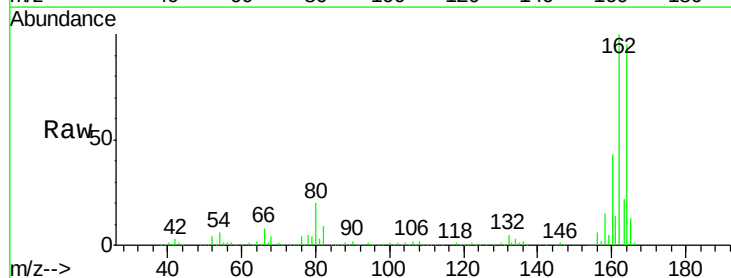


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

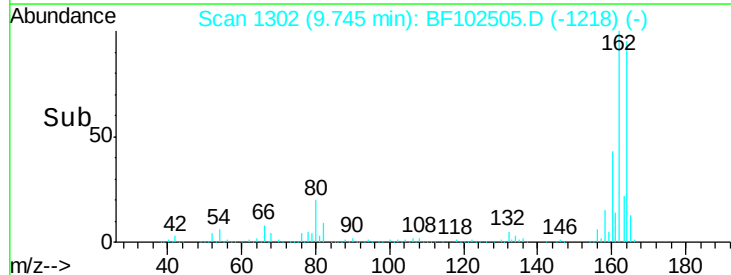
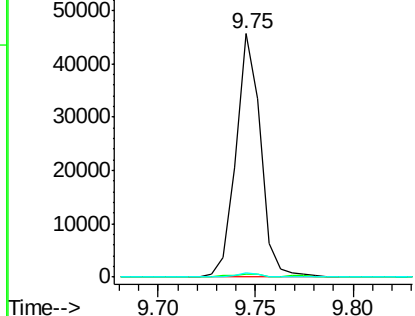


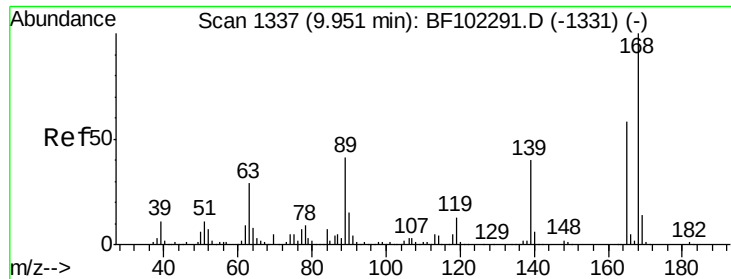
#50
 2,6-Dinitrotoluene
 Concen: 7.319 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Tgt Ion:165 Resp: 39925
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

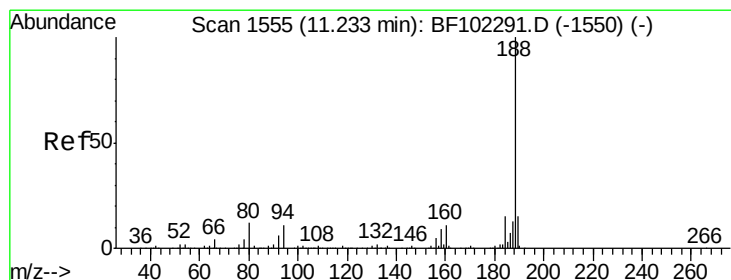
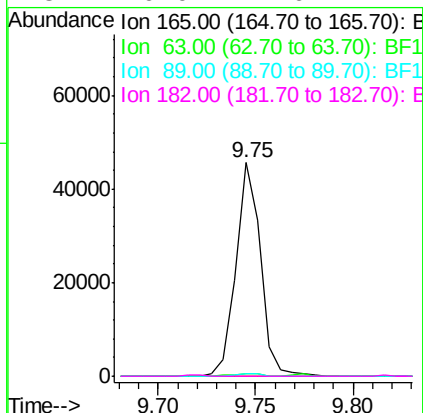
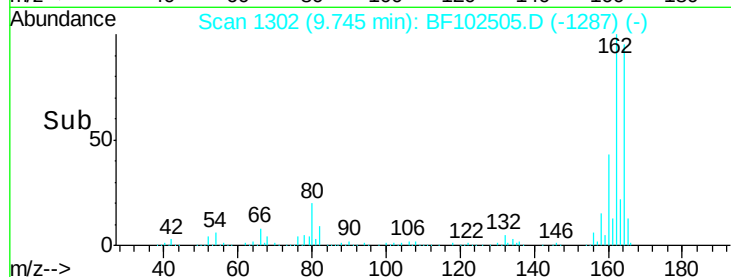
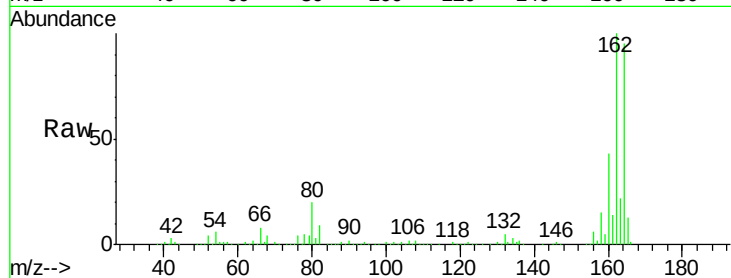




#56
 2,4-Dinitrotoluene
 Concen: 5.952 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

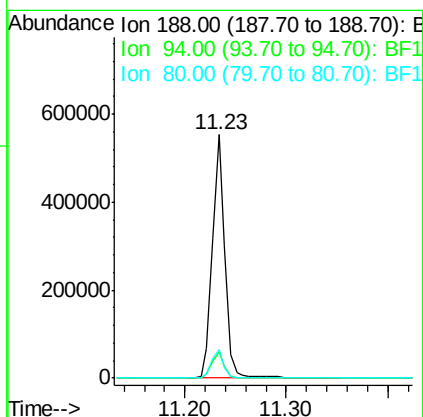
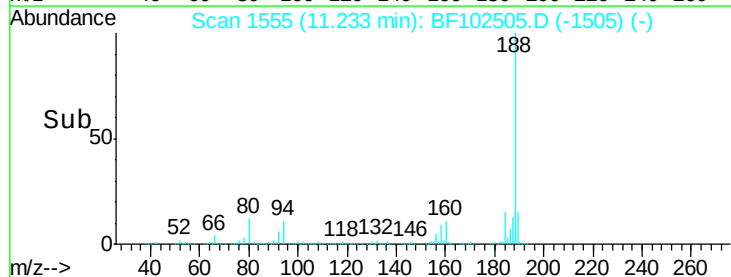
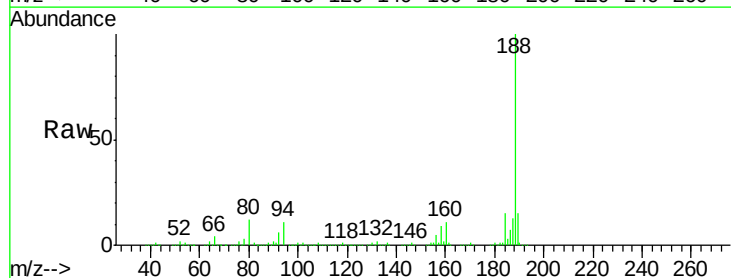
Instrument :
 BNA_F
 ClientSampleId :
 WC2

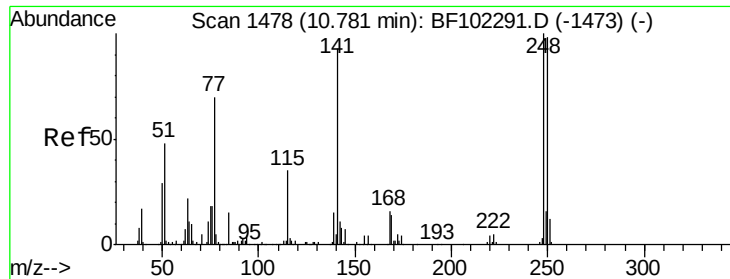
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	39925		
63	1.4	36.4	54.6#	
89	1.5	57.8	86.6#	
182	0.0	1.6	2.4#	



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	474191		
94	10.9	8.5	12.7	
80	11.7	9.2	13.8	

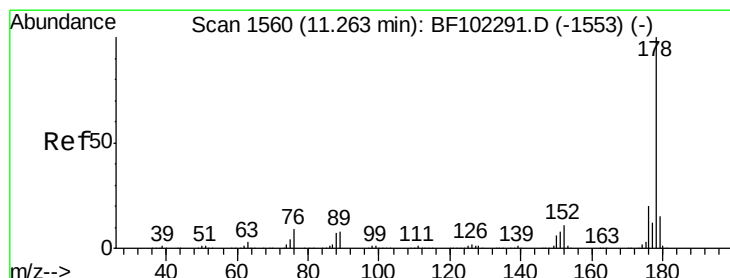
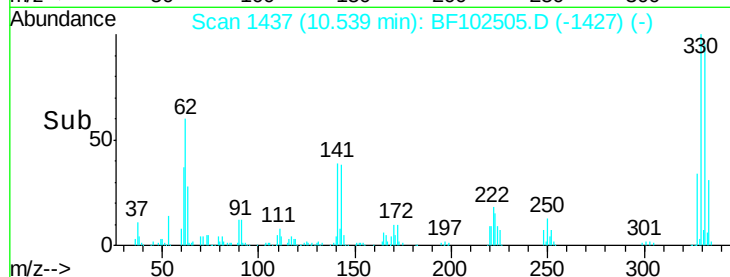
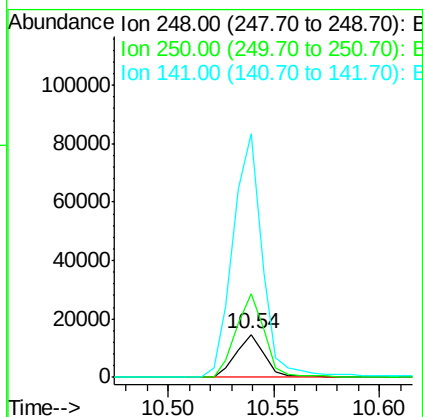
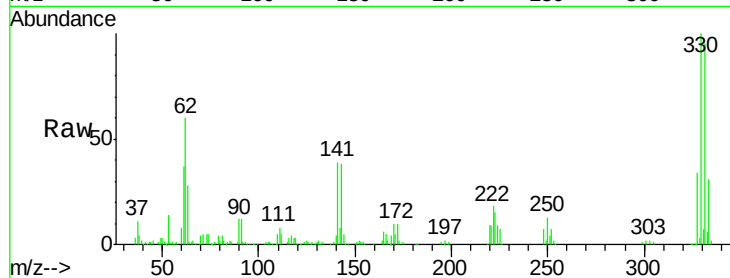




#66
 4-Bromophenyl-phenylether
 Concen: 2.695 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

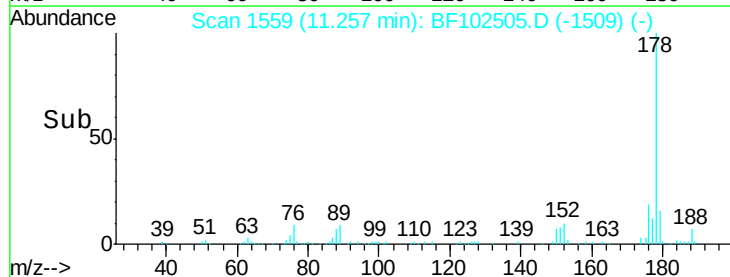
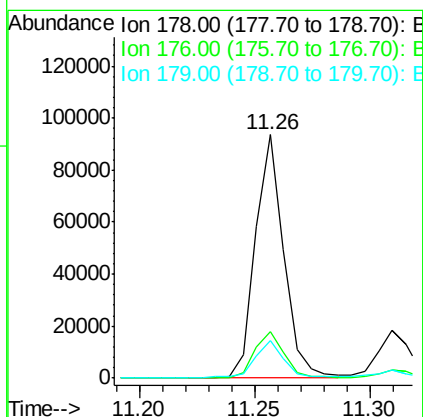
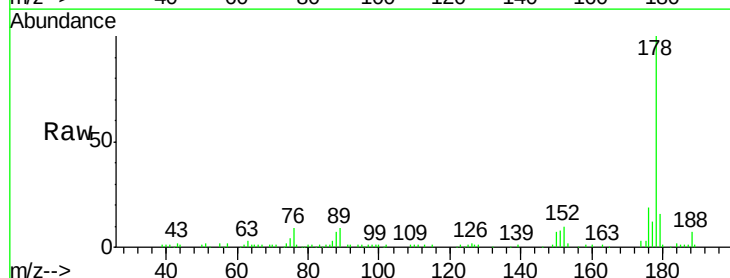
Instrument :
 BNA_F
 ClientSampleId :
 WC2

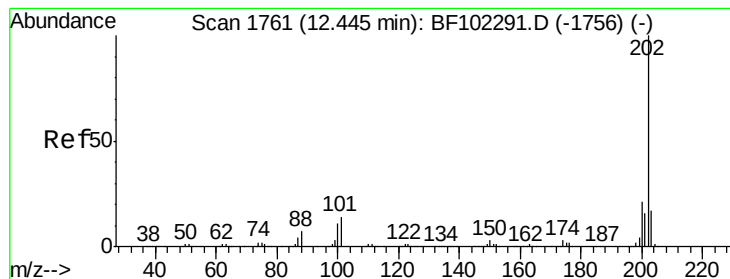
Tgt Ion: 248 Resp: 13757
 Ion Ratio Lower Upper
 248 100
 250 193.0 76.9 115.3#
 141 564.7 74.4 111.6#



#70
 Phenanthrene
 Concen: 2.918 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102505.D
 Acq: 27 Jan 2018 12:50

Tgt Ion: 178 Resp: 80629
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.7 13.0 19.6





#74

Fluoranthene

Concen: 4.554 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampleId :

WC2

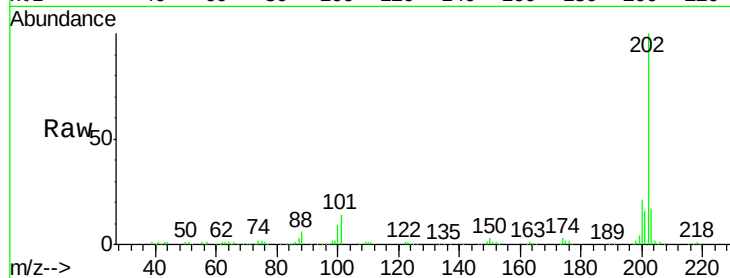
Tgt Ion:202 Resp: 128316

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

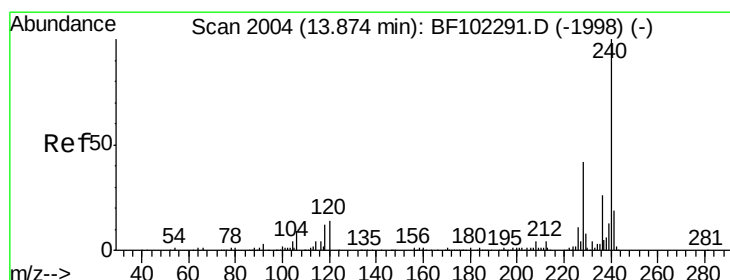
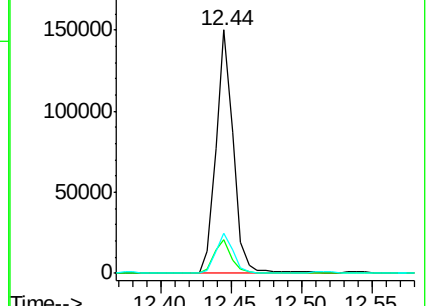
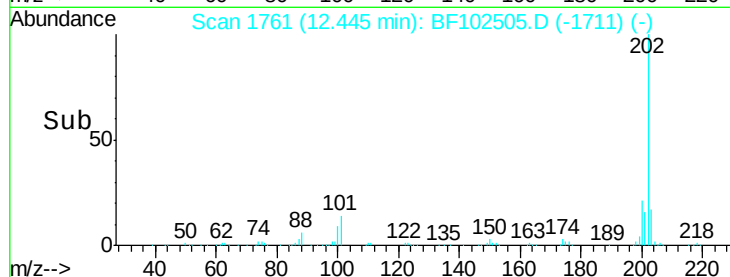
203 16.6 0.0 38.1



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: BF102505.D

Acq: 27 Jan 2018 12:50

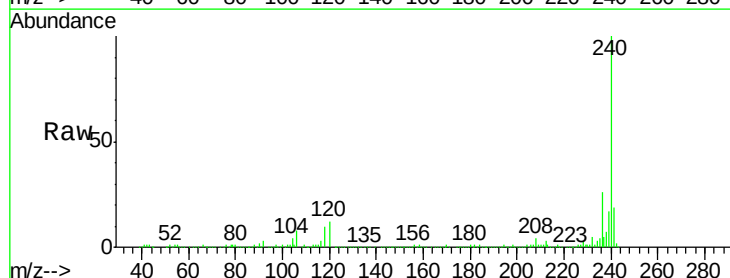
Tgt Ion:240 Resp: 276004

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

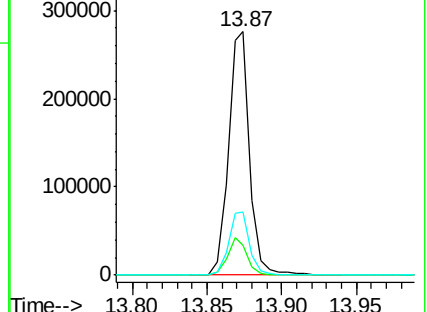
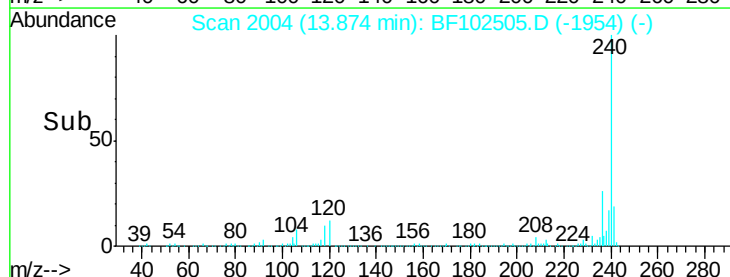
236 25.9 20.7 31.1

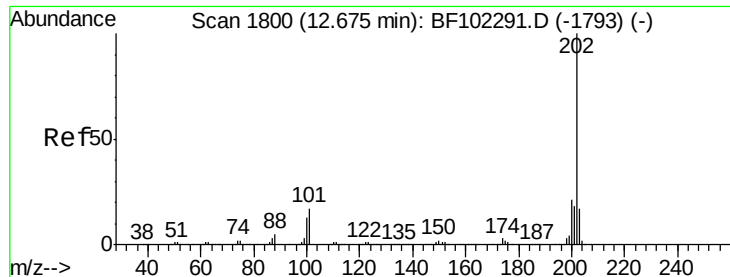


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.217 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampleId :

WC2

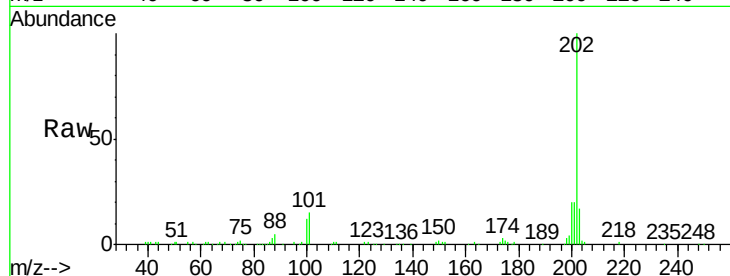
Tgt Ion: 202 Resp: 111320

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

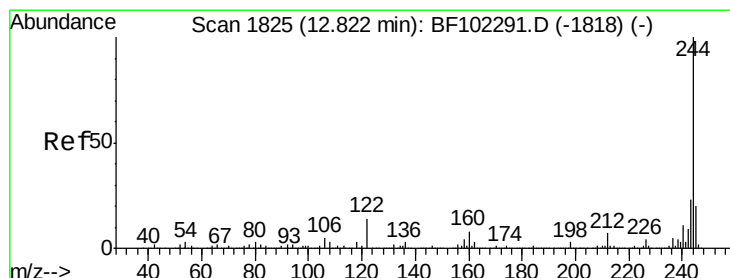
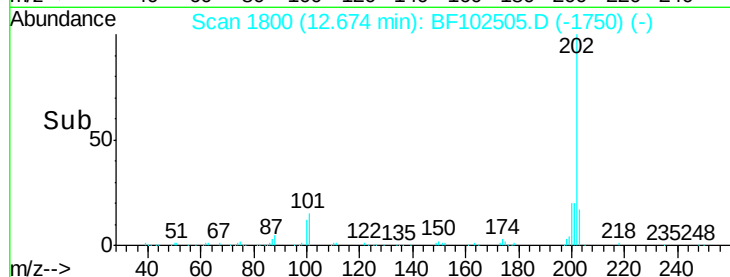
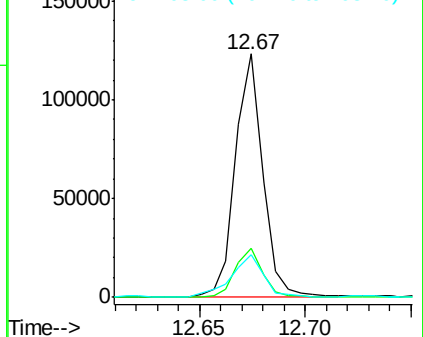
203 17.4 14.3 21.5



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: 48.883 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

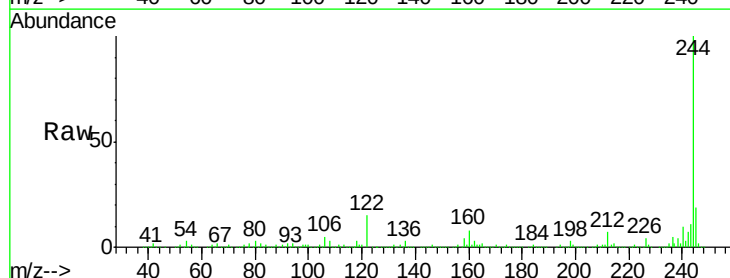
Tgt Ion: 244 Resp: 598484

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

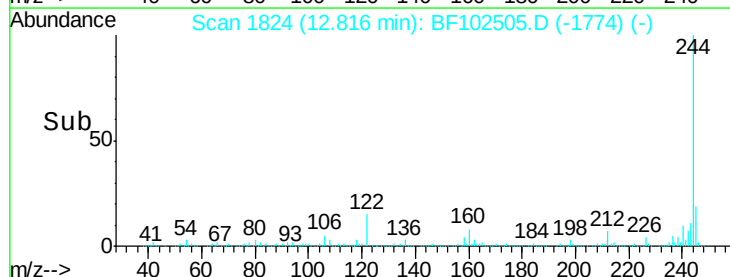
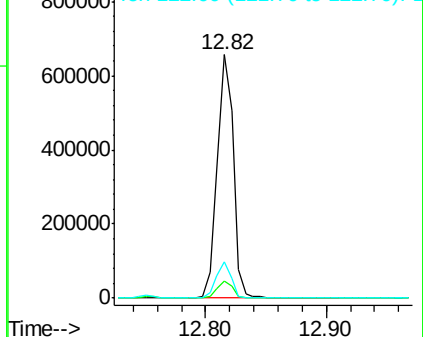
122 14.8 11.0 16.4

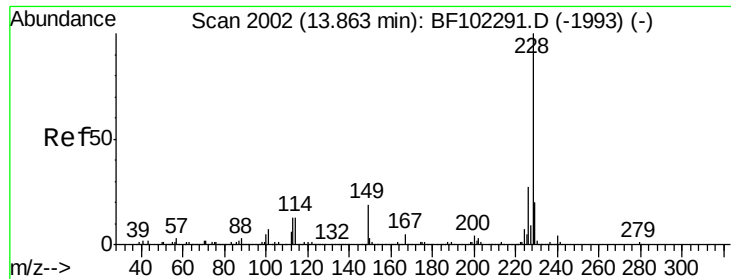


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.756 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

Instrument :

BNA_F

ClientSampleId :

WC2

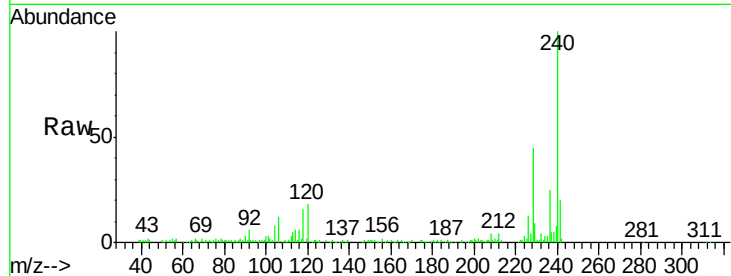
Tgt Ion:228 Resp: 46835

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

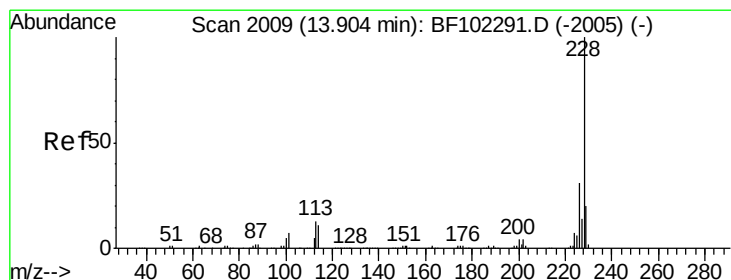
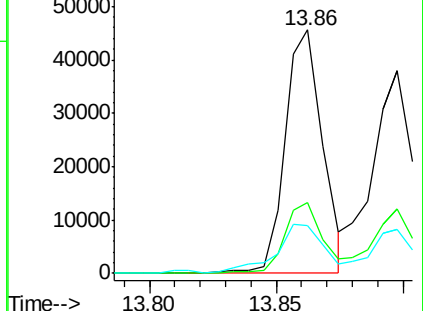
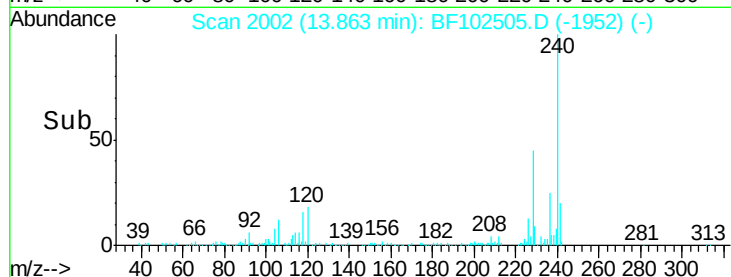
229 19.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.295 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102505.D

Acq: 27 Jan 2018 12:50

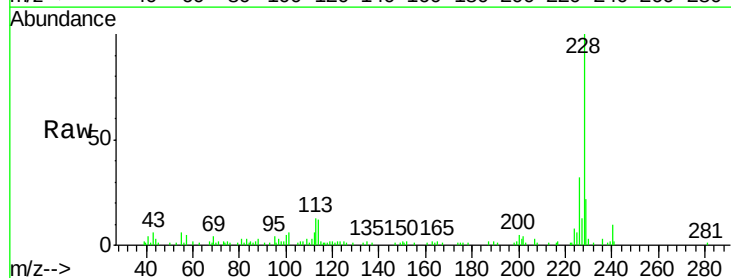
Tgt Ion:228 Resp: 39604

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

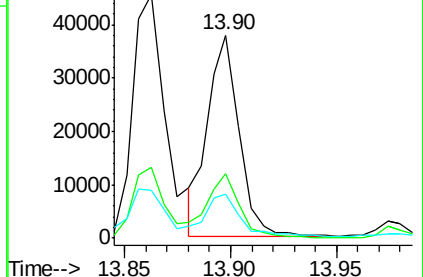
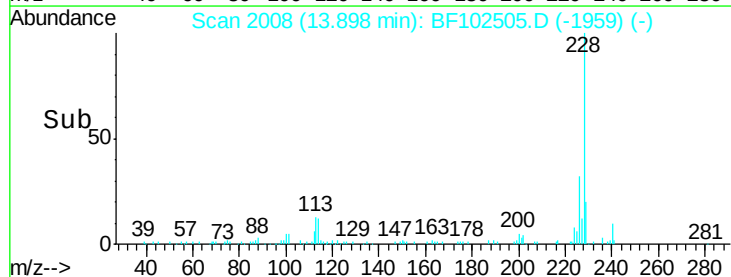
229 21.5 16.2 24.4

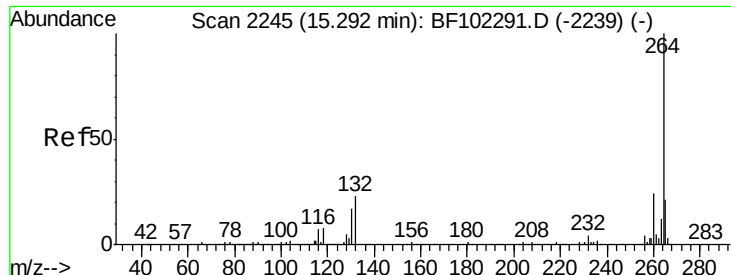


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

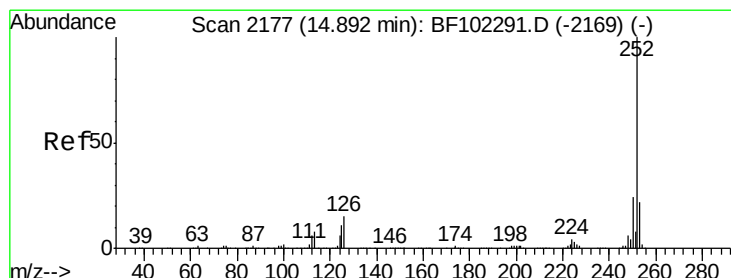
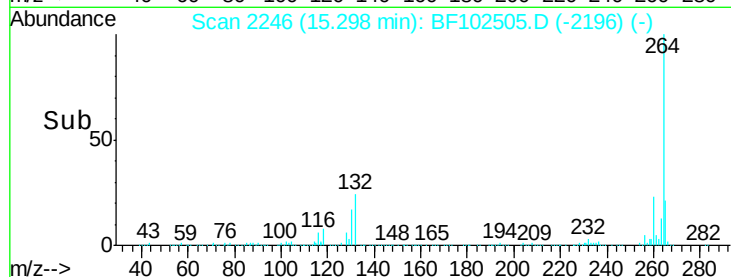
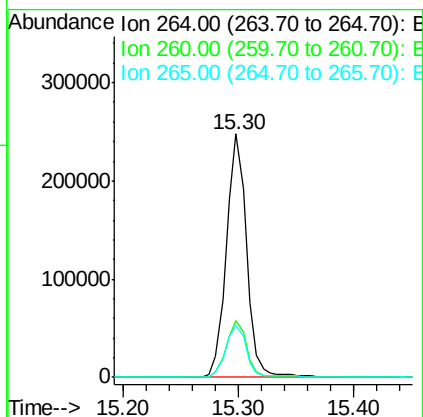
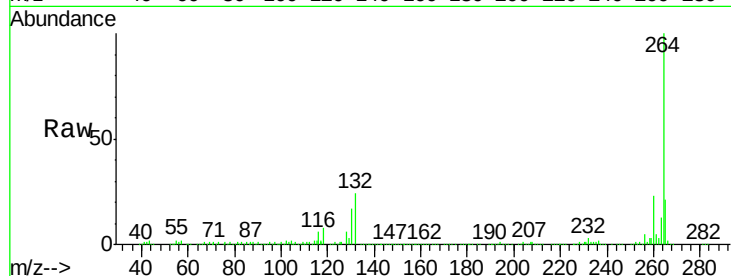




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

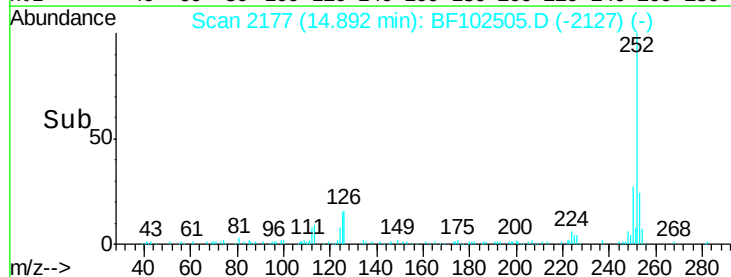
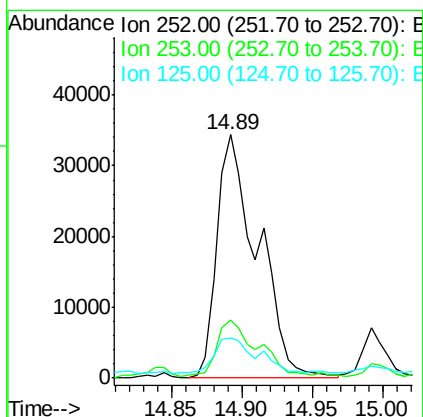
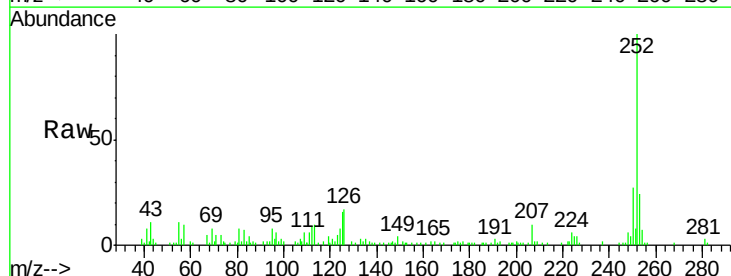
Instrument :
BNA_F
ClientSampleId :
WC2

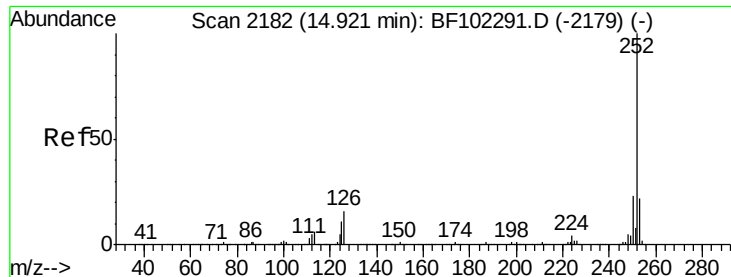
Tgt Ion:264 Resp: 300368
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.573 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

Tgt Ion:252 Resp: 69552
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 16.4 9.0 13.6#

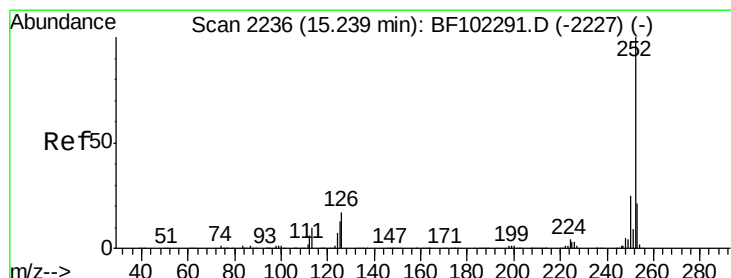
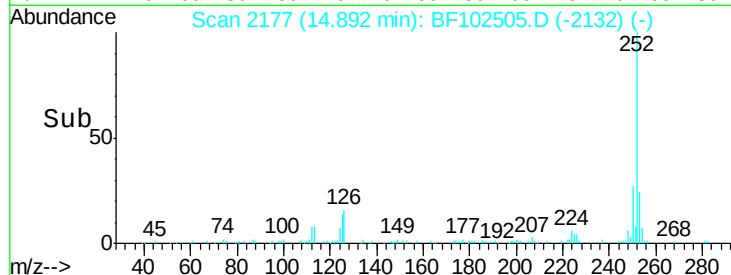
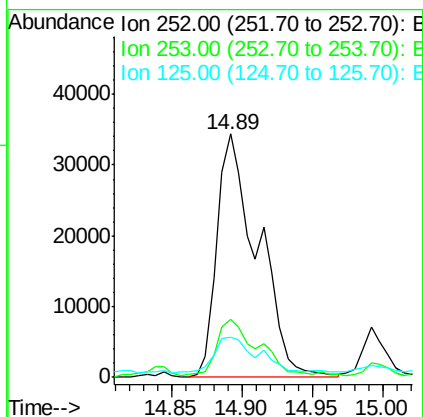
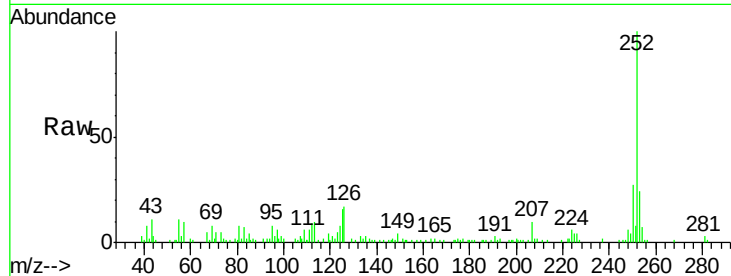




#88
Benzo(k)fluoranthene
Concen: 3.781 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.04 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

Instrument :
BNA_F
ClientSampleId :
WC2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	16.4	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.170 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102505.D
Acq: 27 Jan 2018 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	18.3	9.8	14.6#

