

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011618\
 Data File : BF102145.D
 Acq On : 17 Jan 2018 9:31
 Operator : SJ/JU
 Sample : J1116-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-42-4.5-5.0

Quant Time: Jan 17 10:00:13 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

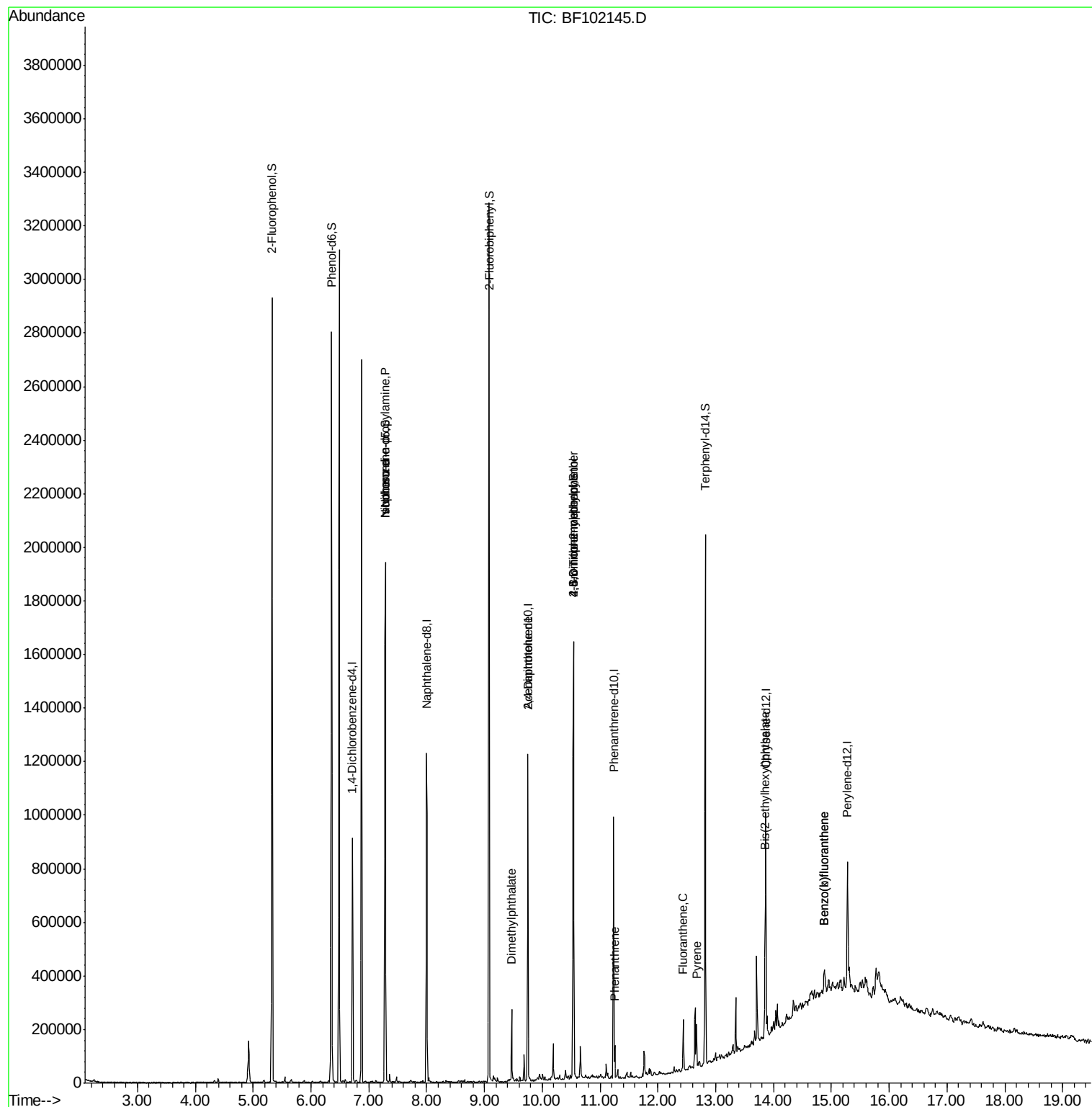
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	134438	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	533488	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	210683	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	304744	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	255044	20.00	ng	-0.02
86) Perylene-d12	15.28	264	197464	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	853800	89.68	ng	0.00
7) Phenol-d6	6.36	99	978692	86.16	ng	0.00
23) Nitrobenzene-d5	7.29	82	605805	66.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	171621	93.34	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1008789	74.80	ng	-0.01
78) Terphenyl-d14	12.82	244	686785	55.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	82209	11.044	ng	# 78
25) Isophorone	7.29	82	605797	33.771	ng	# 64
49) Dimethylphthalate	9.47	163	93568	5.536	ng	98
56) 2,4-Dinitrotoluene	9.75	165	26976	6.375	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.53	198	405	5.878	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	10818	3.361	ng	# 1
70) Phenanthrene	11.26	178	39426	2.215	ng	97
74) Fluoranthene	12.44	202	63752	3.640	ng	96
77) Pyrene	12.67	202	58972	2.616	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	38520	3.246	ng	99
87) Benzo(b)fluoranthene	14.87	252	47226	3.668	ng	# 78
88) Benzo(k)fluoranthene	14.87	252	47226	3.802	ng	# 81

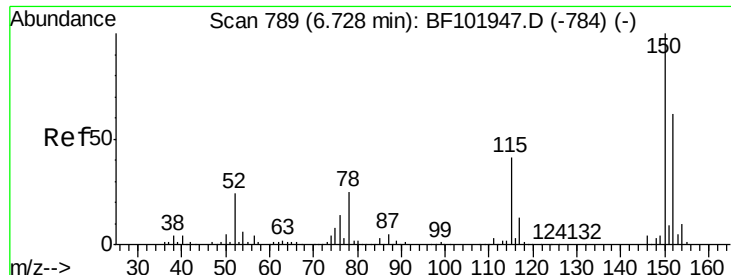
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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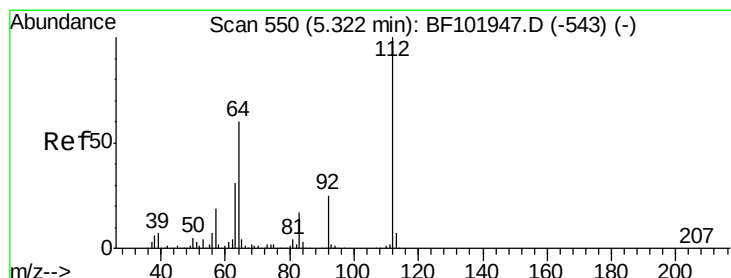
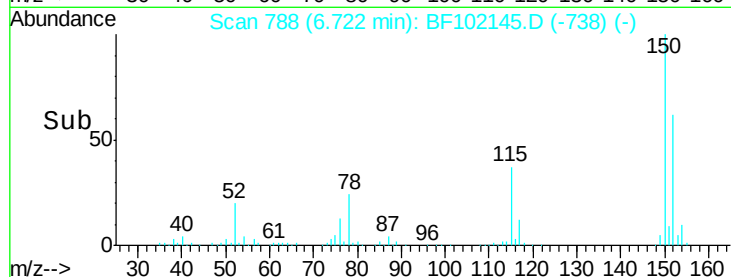
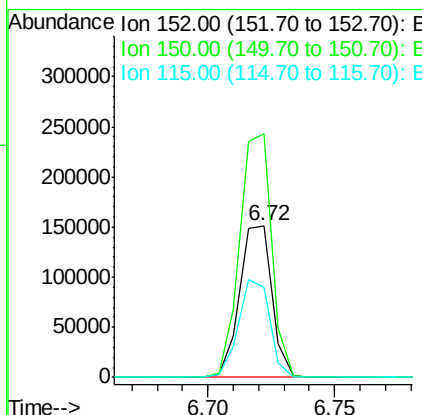
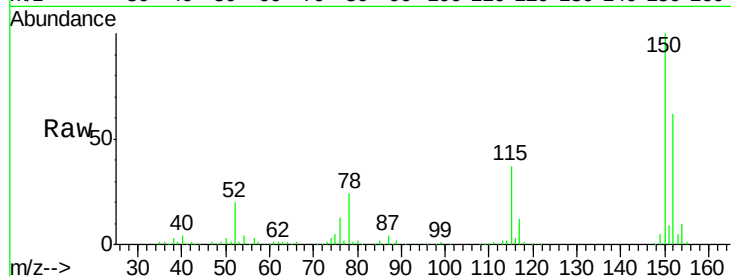


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102145.D
Acq: 17 Jan 2018 9:31

Instrument :
BNA_F
ClientSampleId :
SB-42-4.5-5.0

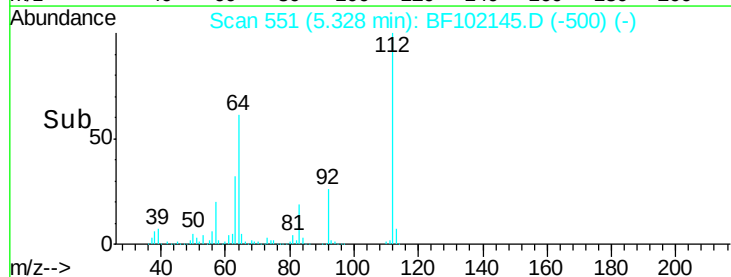
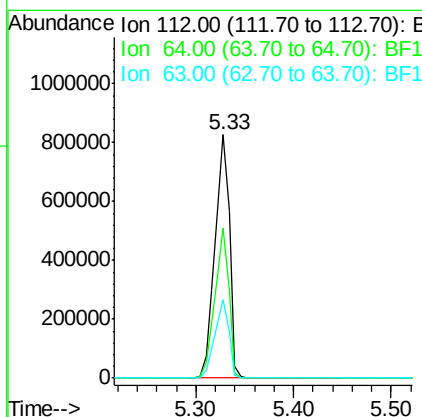
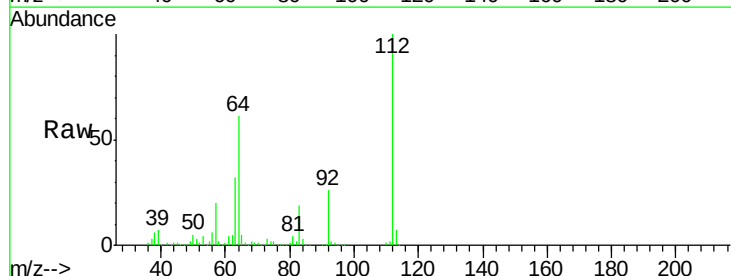
Tgt Ion:152 Resp: 134438
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 59.0 50.1 75.1

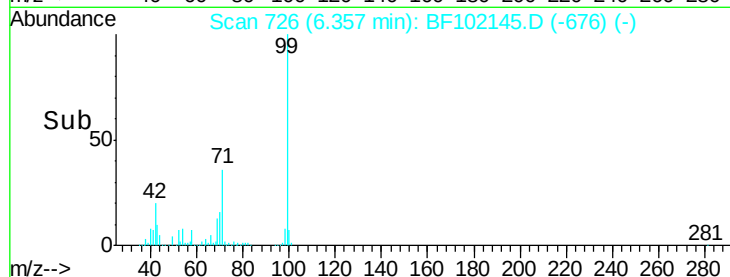
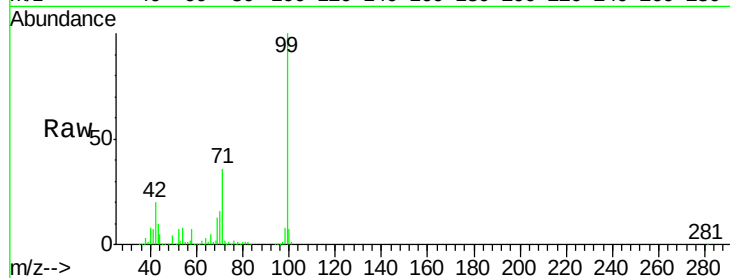
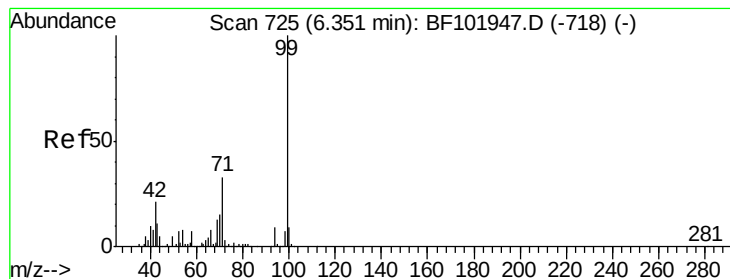


#5

2-Fluorophenol
Concen: 89.680 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF102145.D
Acq: 17 Jan 2018 9:31

Tgt Ion:112 Resp: 853800
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.4 23.7 35.5





#7

Phenol-d6

Concen: 86.160 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

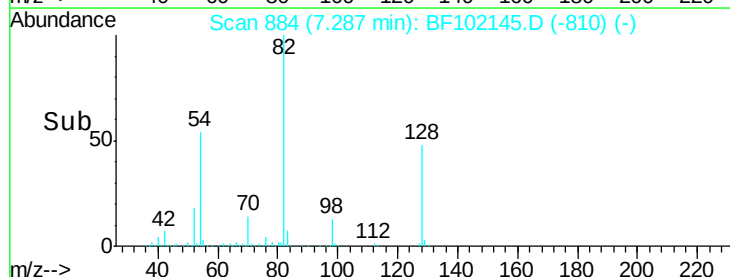
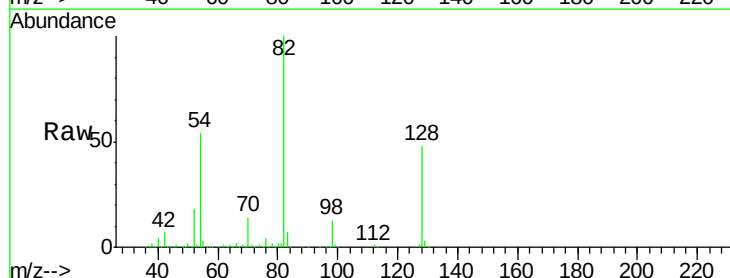
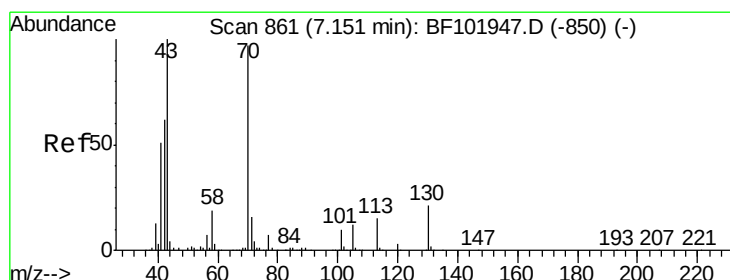
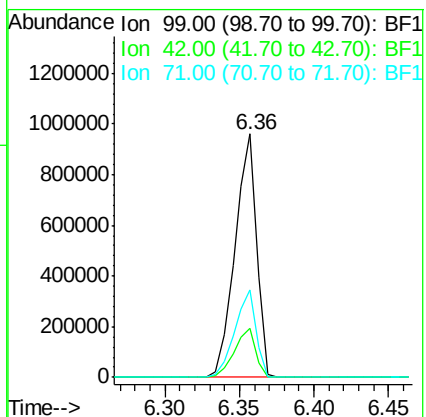
Tgt Ion: 99 Resp: 978692

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 36.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.044 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Tgt Ion: 70 Resp: 82209

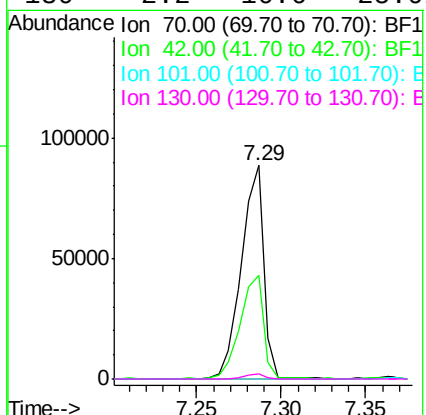
Ion Ratio Lower Upper

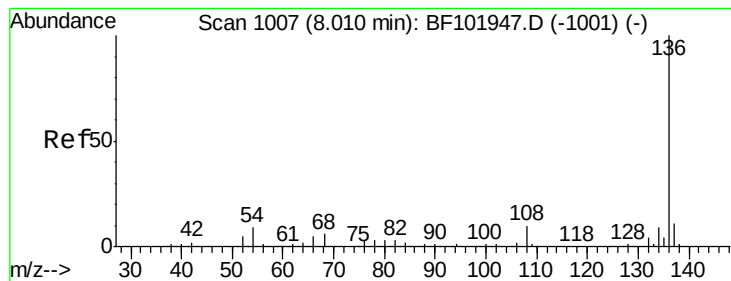
70 100

42 48.3 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: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

Tgt Ion: 136 Resp: 533488

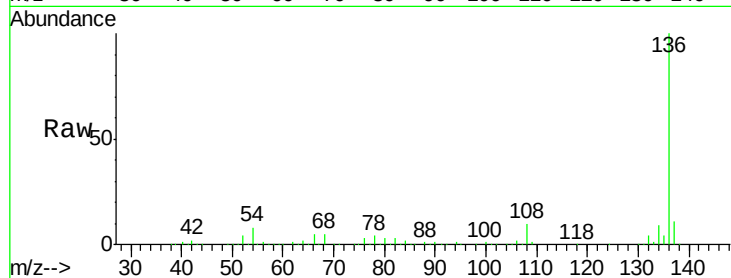
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.3 6.6 9.8

68 5.3 5.0 7.4

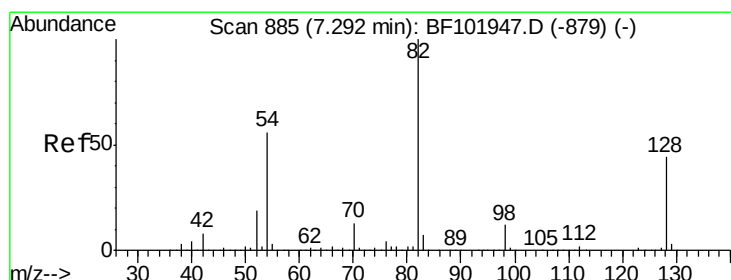
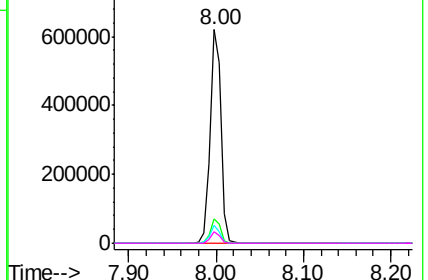
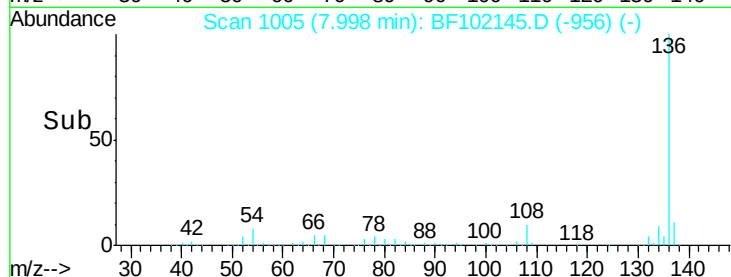


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.730 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

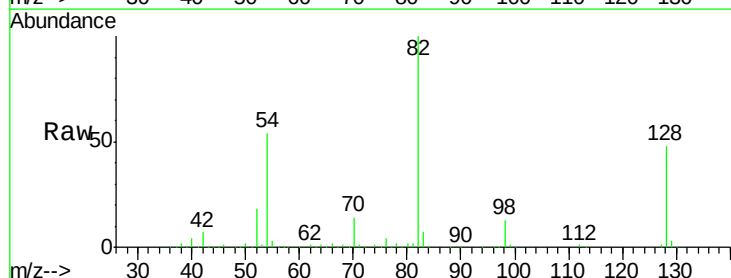
Tgt Ion: 82 Resp: 605805

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

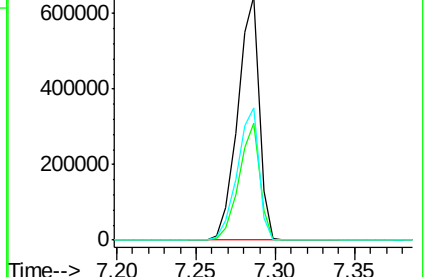
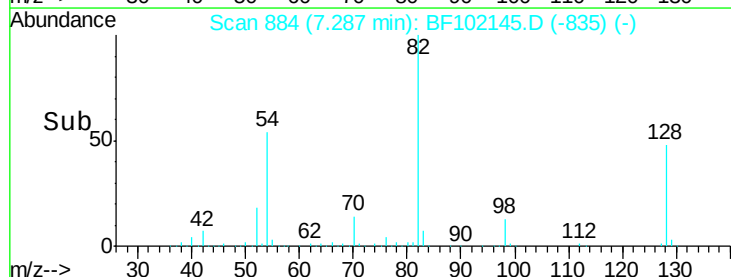
54 54.5 41.4 62.2

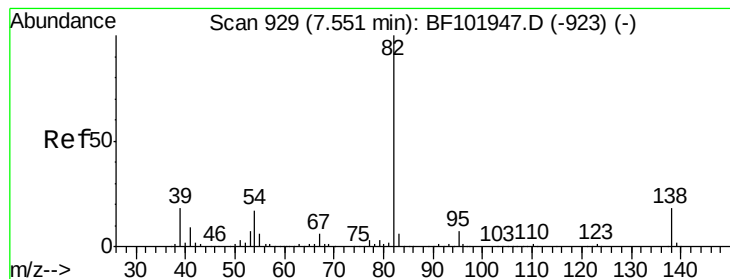


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.771 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

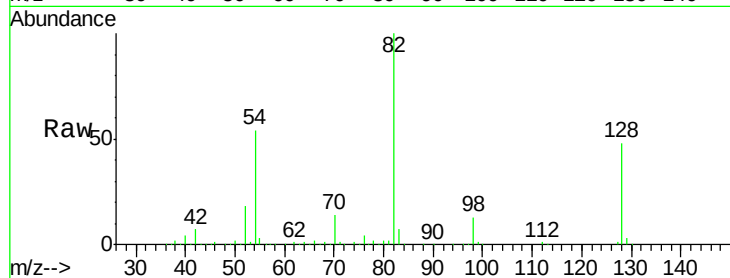
Tgt Ion: 82 Resp: 605797

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

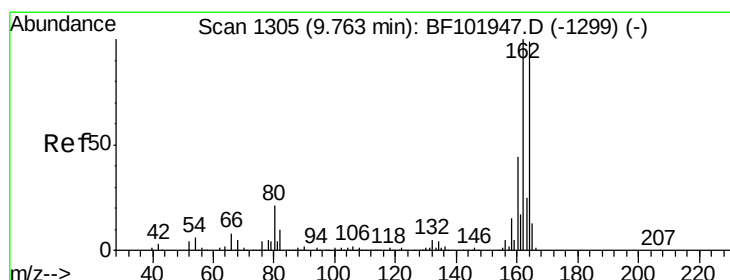
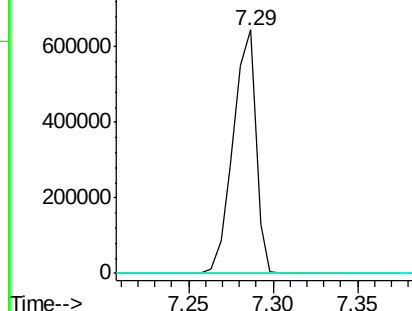
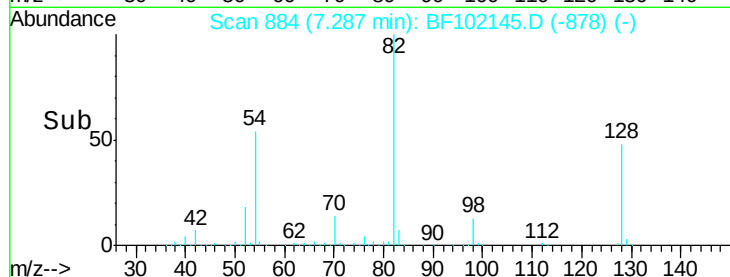
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

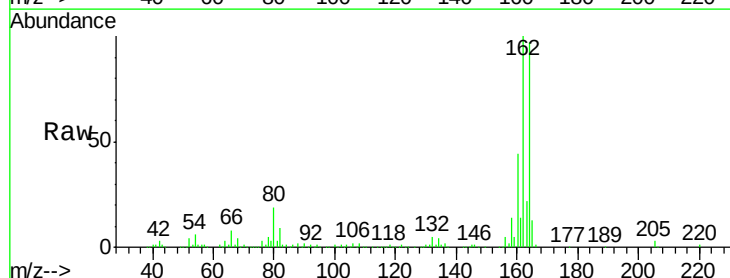
Tgt Ion: 164 Resp: 210683

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

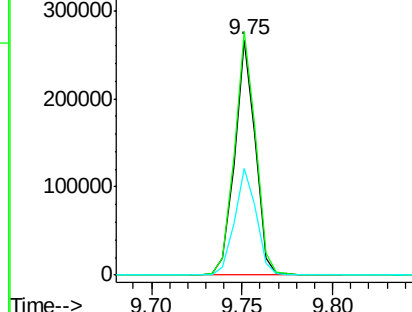
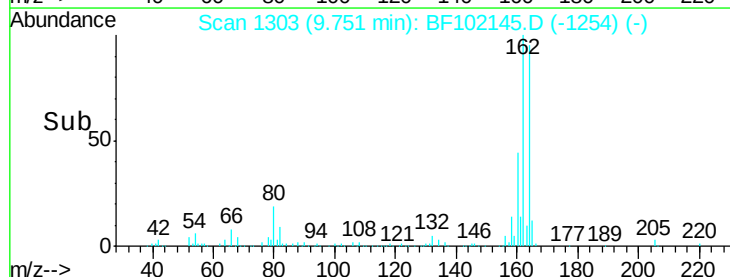
160 45.3 38.3 57.5

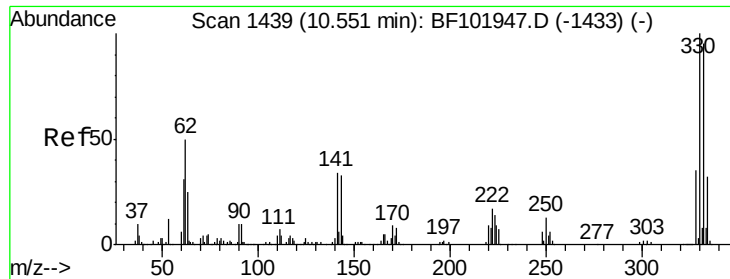


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

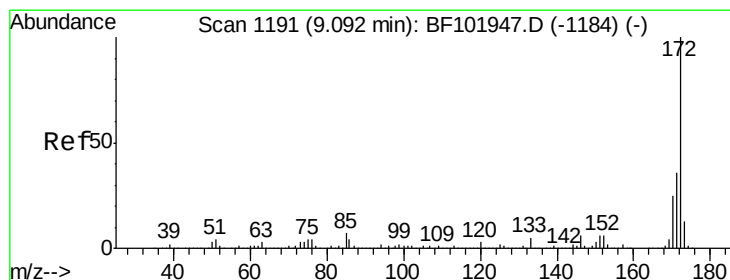
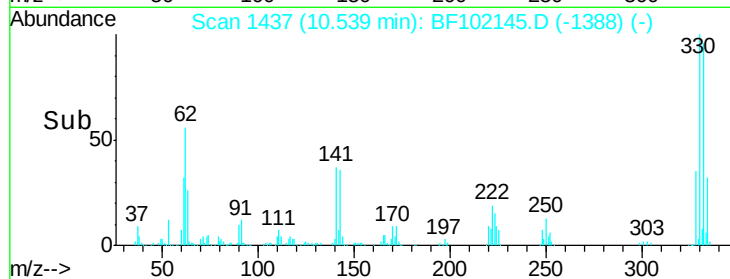
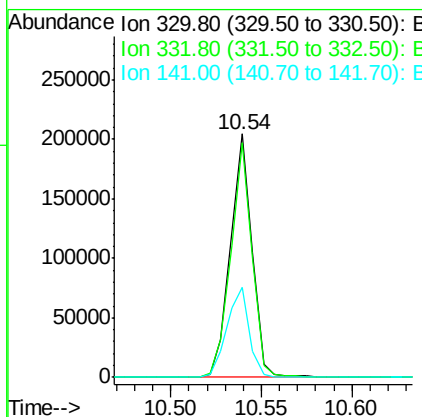
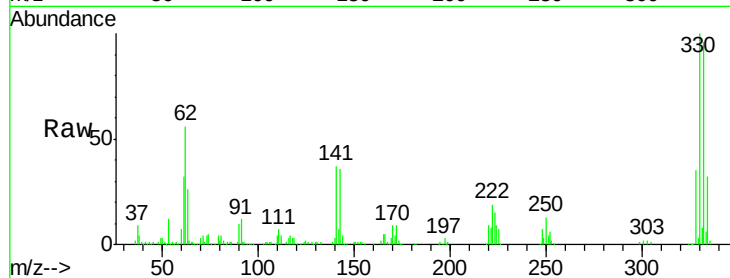




#41
 2,4,6-Tribromophenol
 Concen: 93.343 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

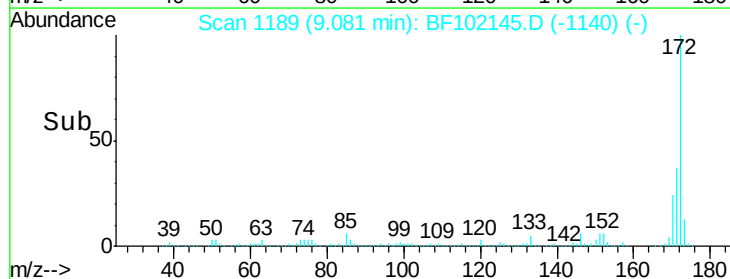
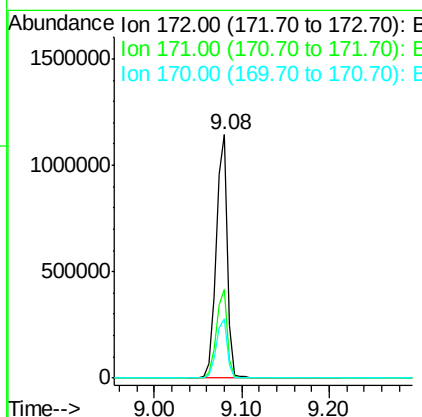
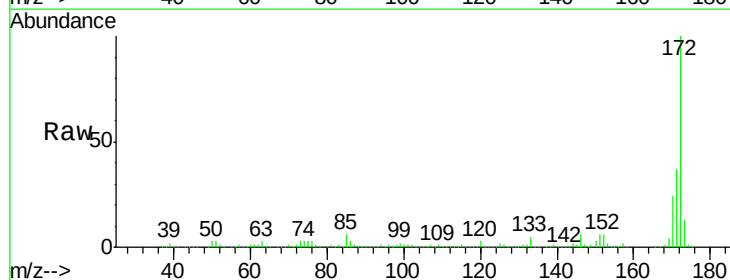
Instrument :
 BNA_F
 ClientSampleId :
 SB-42-4.5-5.0

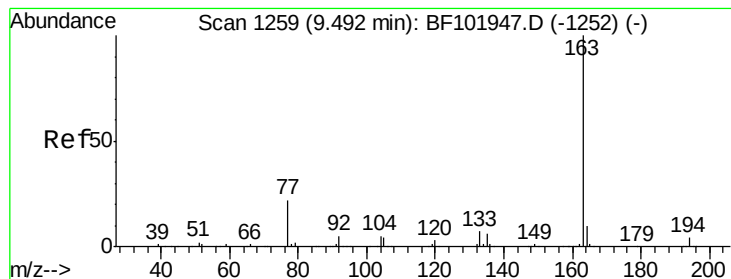
Tgt Ion: 330 Resp: 171621
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 38.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 74.804 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

Tgt Ion: 172 Resp: 1008789
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.3 19.6 29.4





#49

Dimethylphthalate

Concen: 5.536 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

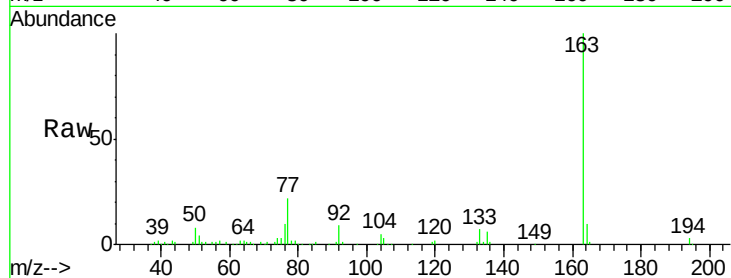
Tgt Ion:163 Resp: 93568

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

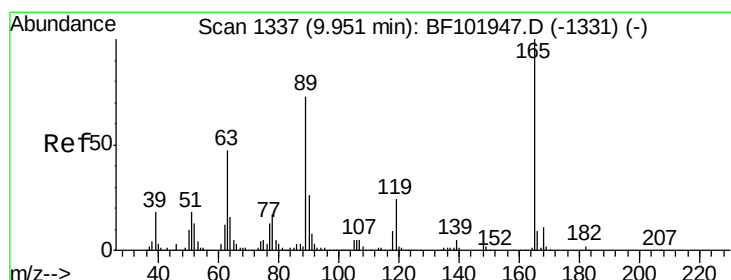
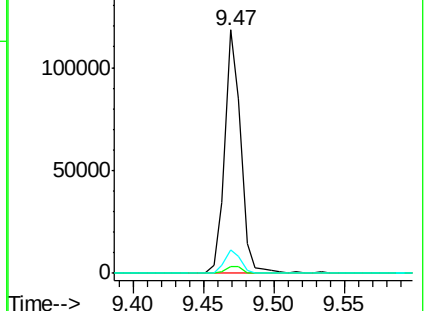
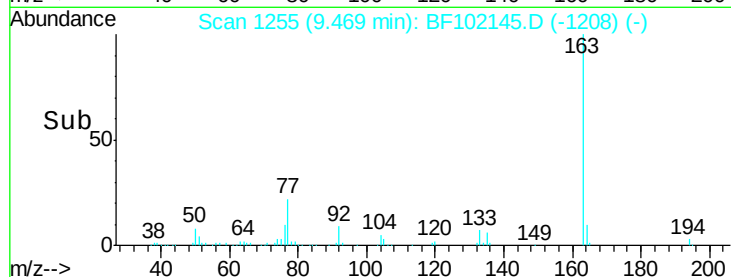
164 9.6 8.2 12.2



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: 6.375 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Tgt Ion:165 Resp: 26976

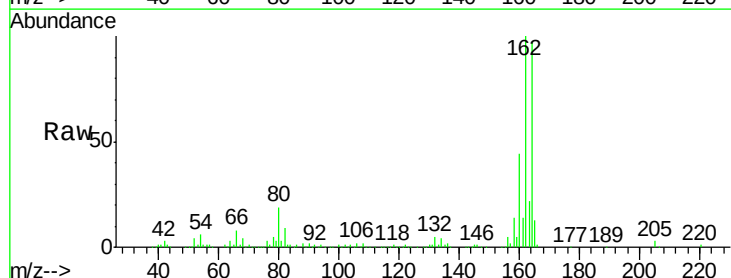
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

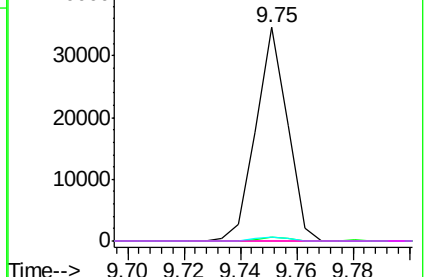
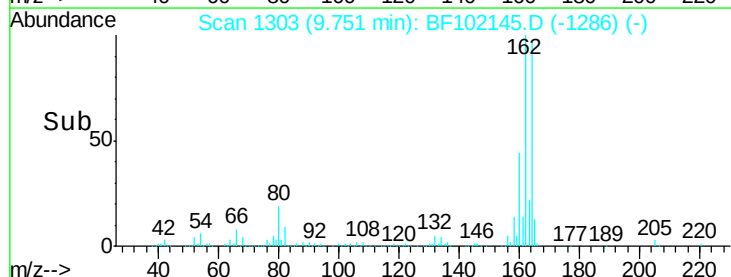


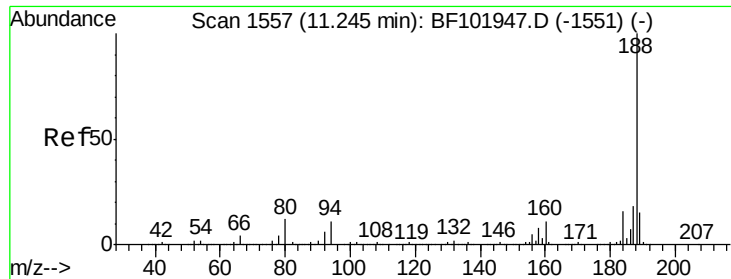
Abundance Ion 165.00 (164.70 to 165.70): E

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

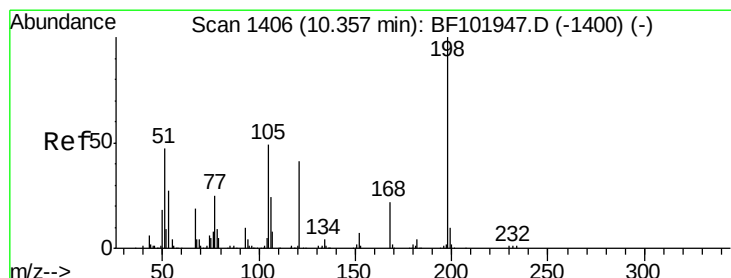
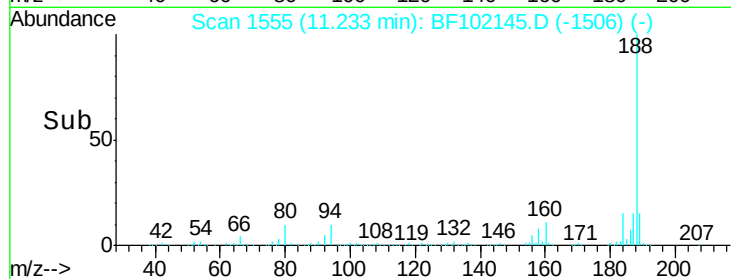
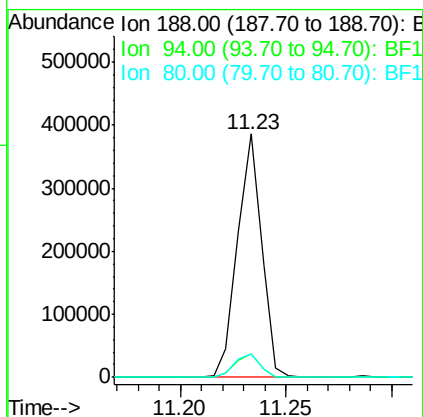
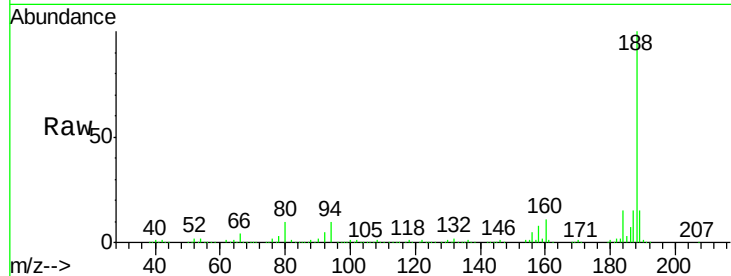




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

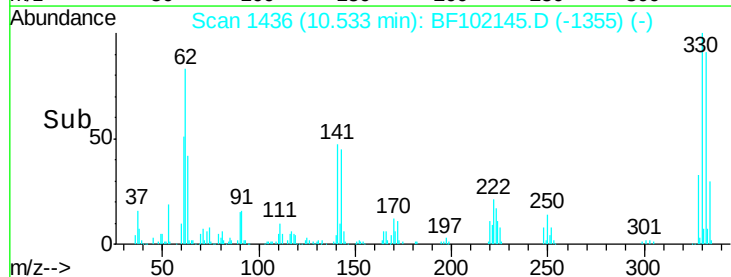
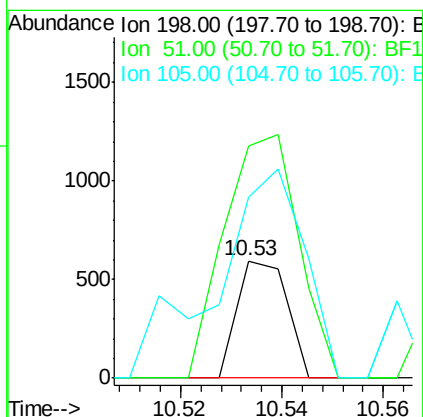
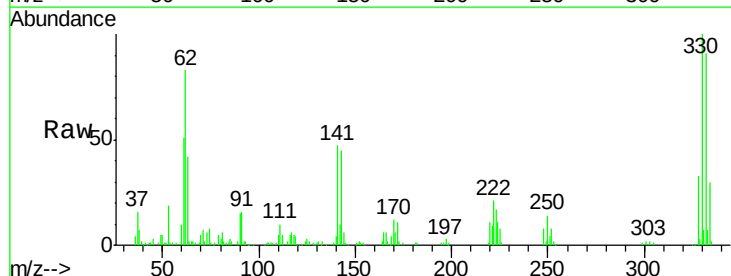
Instrument :
 BNA_F
 ClientSampleId :
 SB-42-4.5-5.0

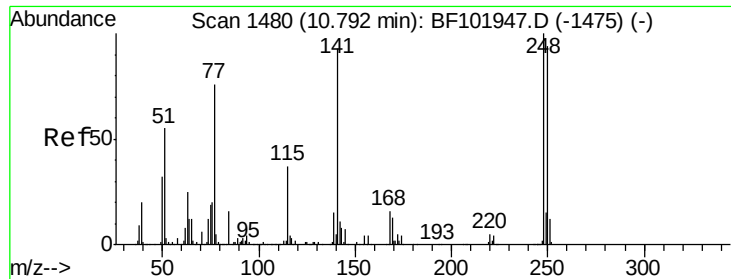
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.8	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.878 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.18 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

Tgt Ion	Ratio	Lower	Upper
198	100		
51	198.8	37.7	77.7#
105	154.8	36.3	76.3#

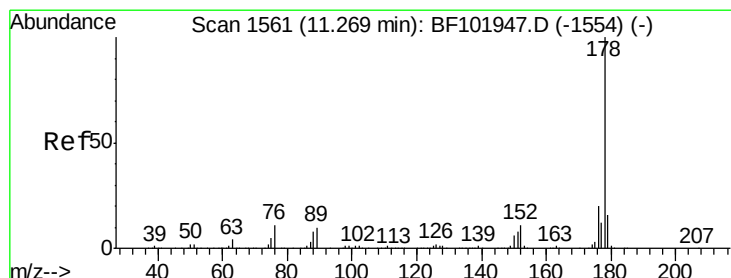
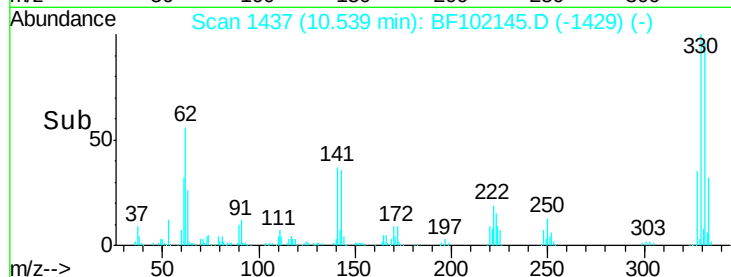
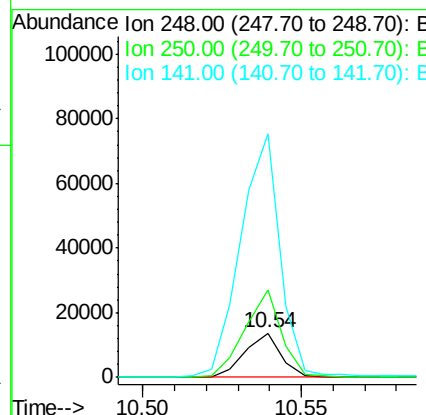
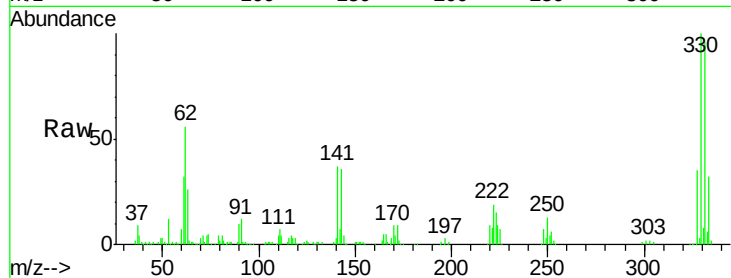




#66
 4-Bromophenyl-phenylether
 Concen: 3.361 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

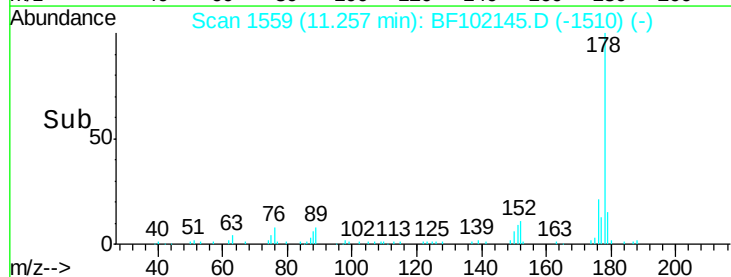
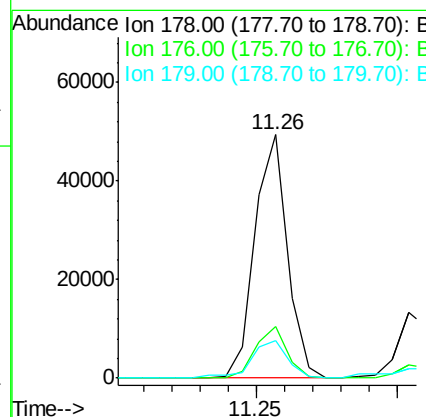
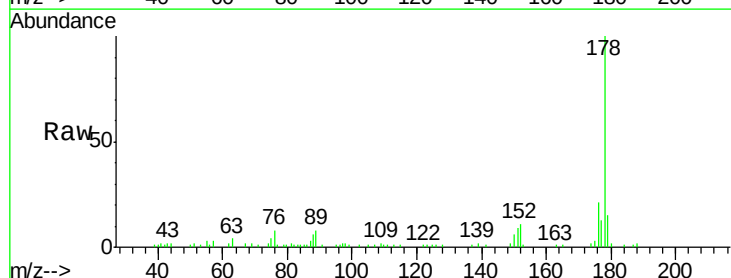
Instrument :
 BNA_F
 ClientSampleId :
 SB-42-4.5-5.0

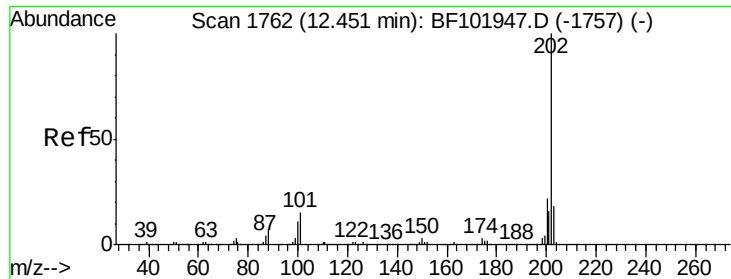
Tgt Ion: 248 Resp: 10818
 Ion Ratio Lower Upper
 248 100
 250 200.2 76.9 115.3#
 141 553.9 74.4 111.6#



#70
 Phenanthrene
 Concen: 2.215 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

Tgt Ion: 178 Resp: 39426
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 15.4 13.0 19.6

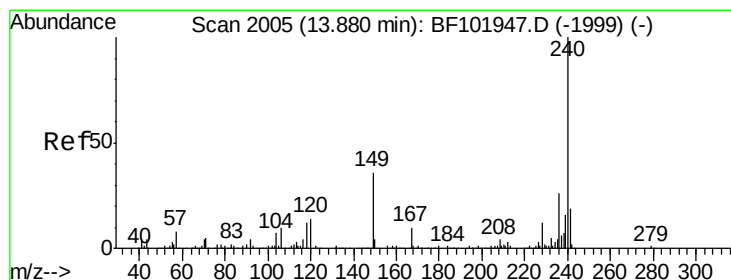
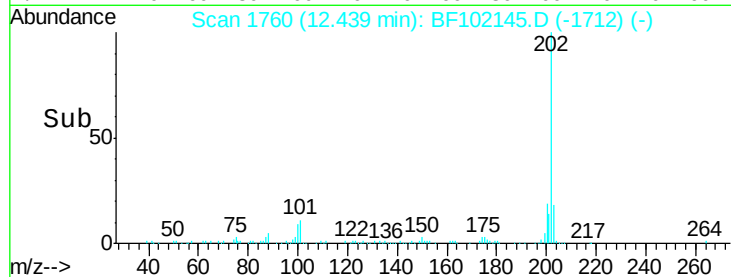
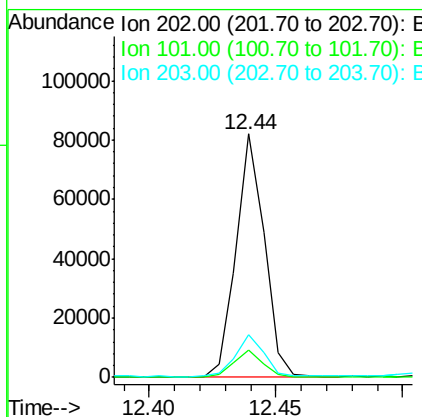
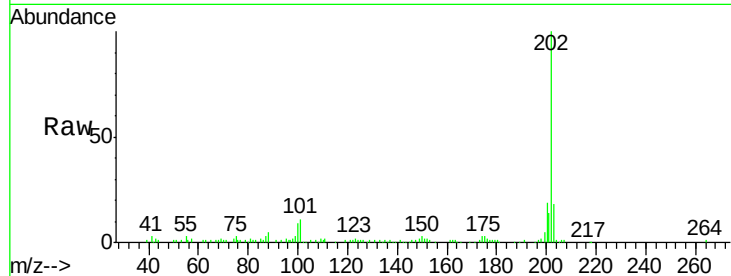




#74
 Fluoranthene
 Concen: 3.640 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

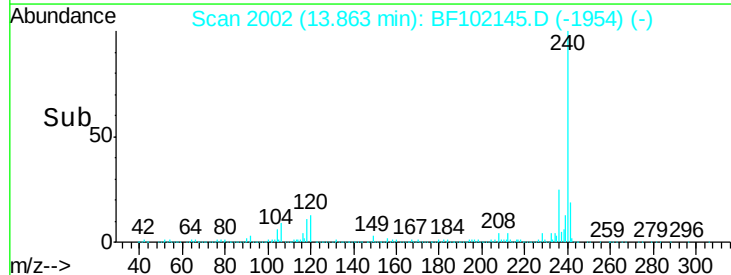
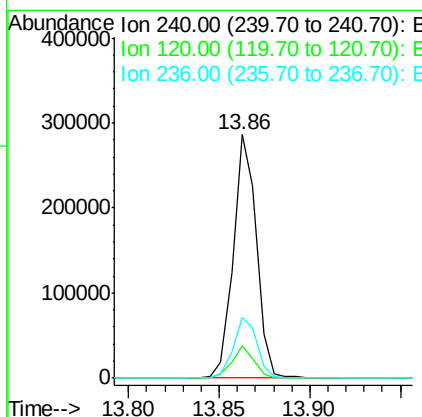
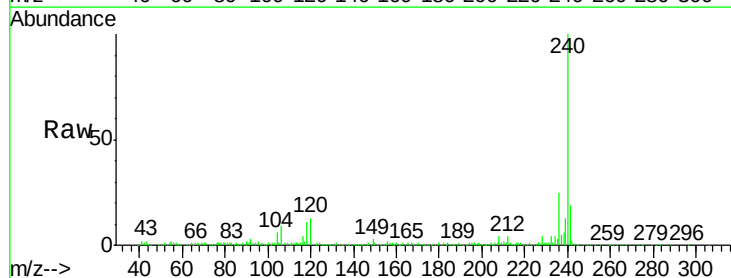
Instrument :
 BNA_F
 ClientSampleId :
 SB-42-4.5-5.0

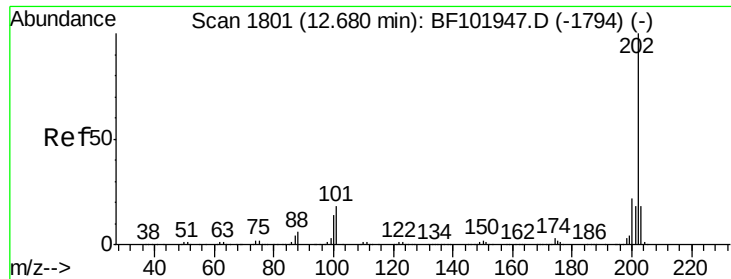
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF102145.D
 Acq: 17 Jan 2018 9:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.0	20.7	31.1





#77

Pyrene

Concen: 2.616 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

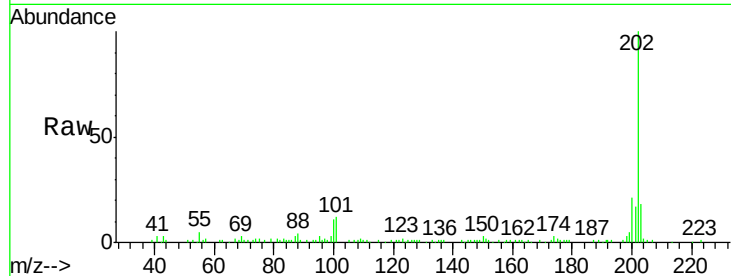
Tgt Ion: 202 Resp: 58972

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

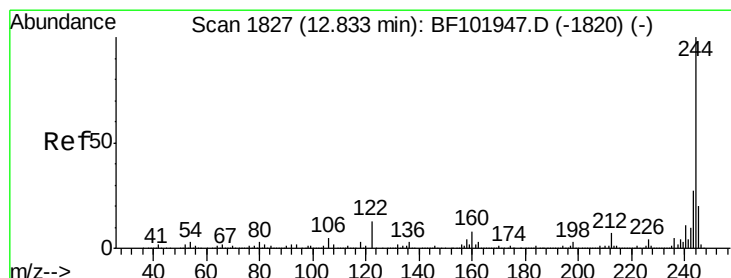
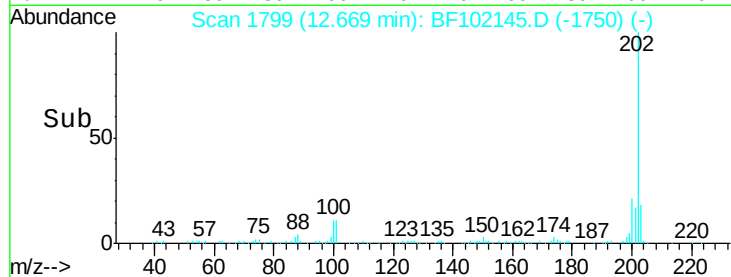
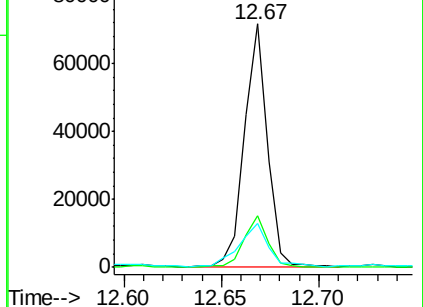
203 18.1 14.3 21.5



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: 55.910 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

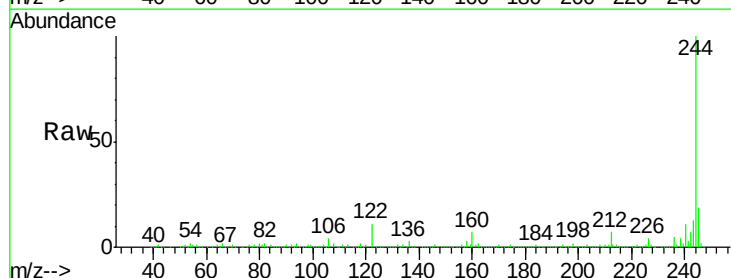
Tgt Ion: 244 Resp: 686785

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

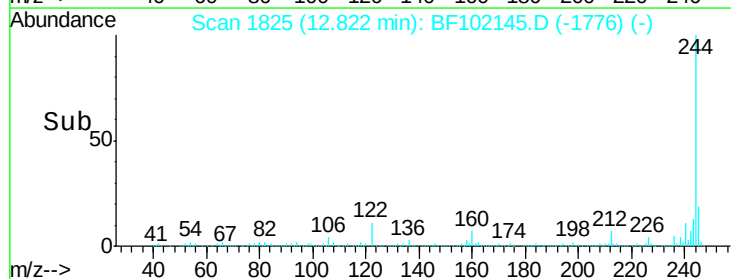
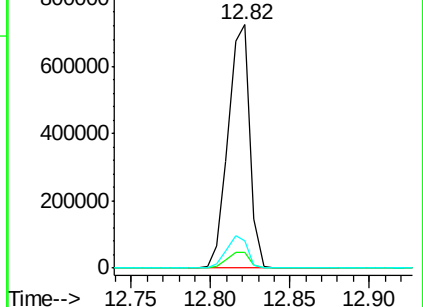
122 11.3 11.0 16.4

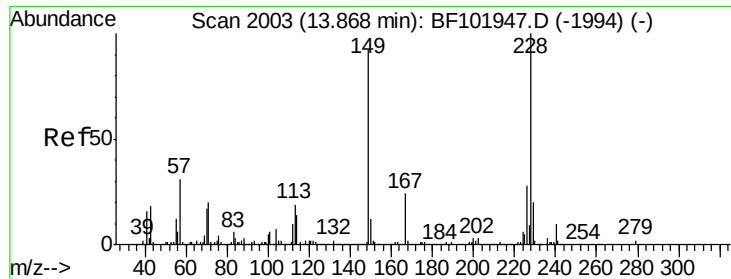


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.246 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

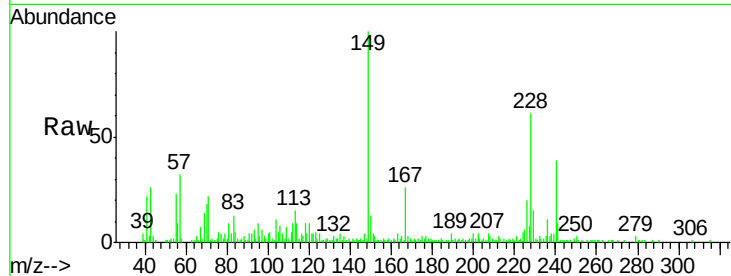
Tgt Ion:149 Resp: 38520

Ion Ratio Lower Upper

149 100

167 26.1 21.3 31.9

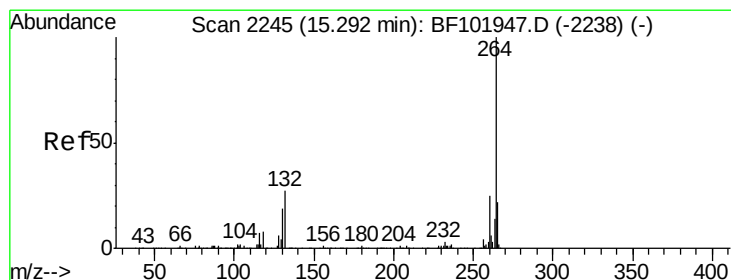
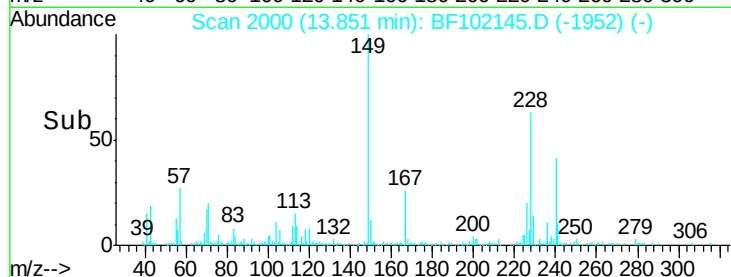
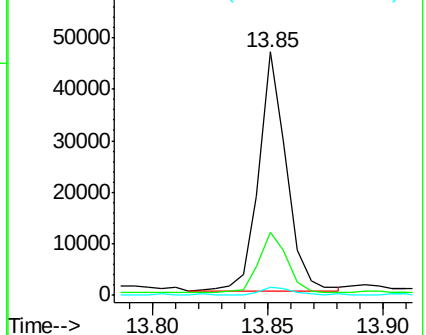
279 3.2 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

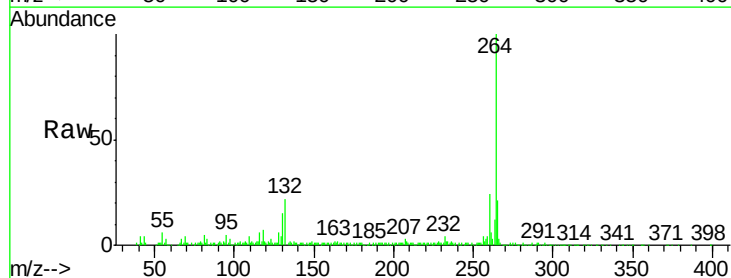
Tgt Ion:264 Resp: 197464

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

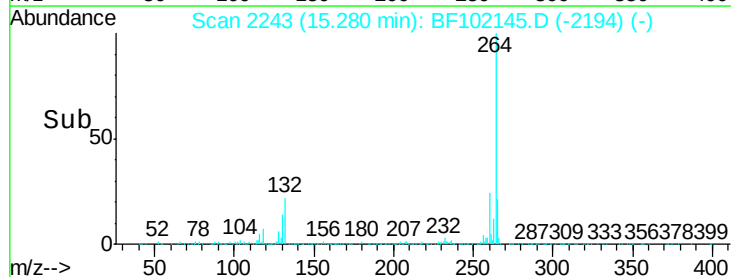
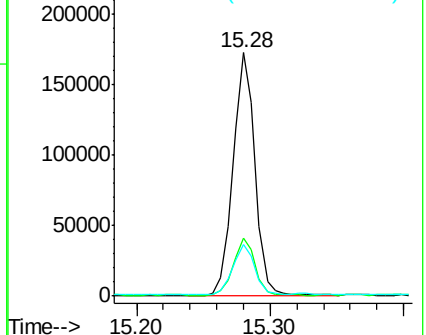
265 21.4 17.5 26.3

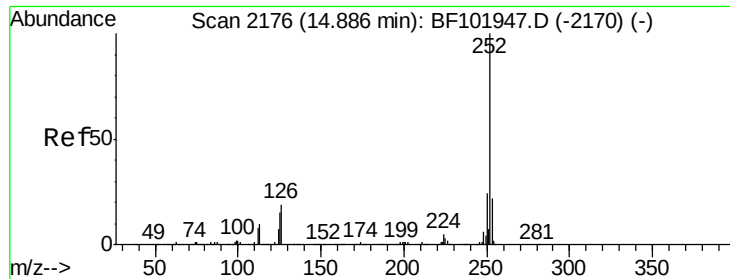


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.668 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

Instrument :

BNA_F

ClientSampleId :

SB-42-4.5-5.0

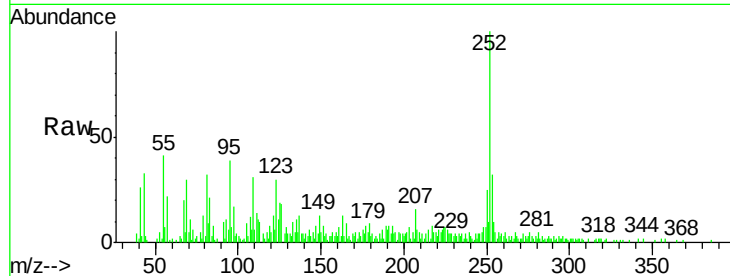
Tgt Ion:252 Resp: 47226

Ion Ratio Lower Upper

252 100

253 31.7 17.0 25.6#

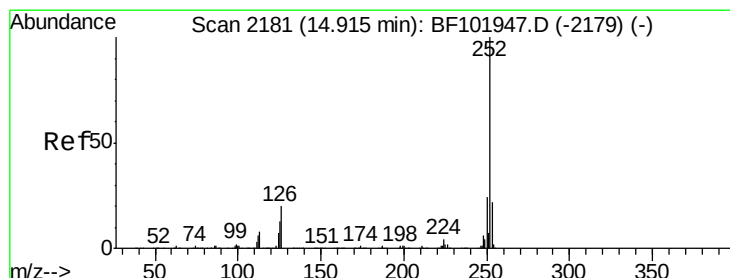
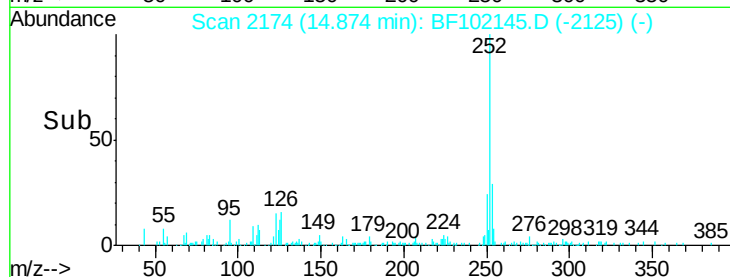
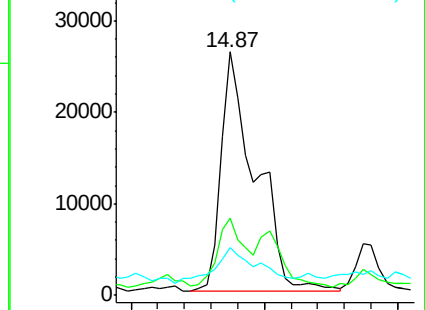
125 19.5 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.802 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF102145.D

Acq: 17 Jan 2018 9:31

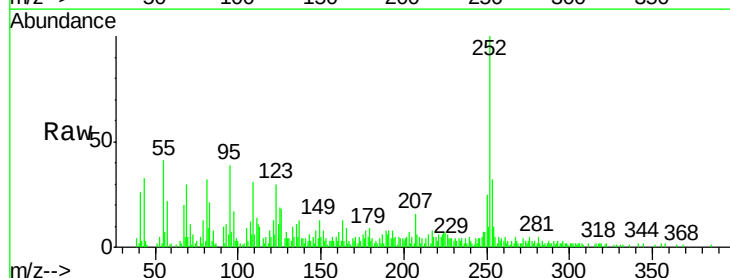
Tgt Ion:252 Resp: 47226

Ion Ratio Lower Upper

252 100

253 31.7 17.9 26.9#

125 19.5 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

