

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101265.D
 Acq On : 9 Dec 2017 6:08
 Operator : SJ/JU
 Sample : I6791-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:40:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

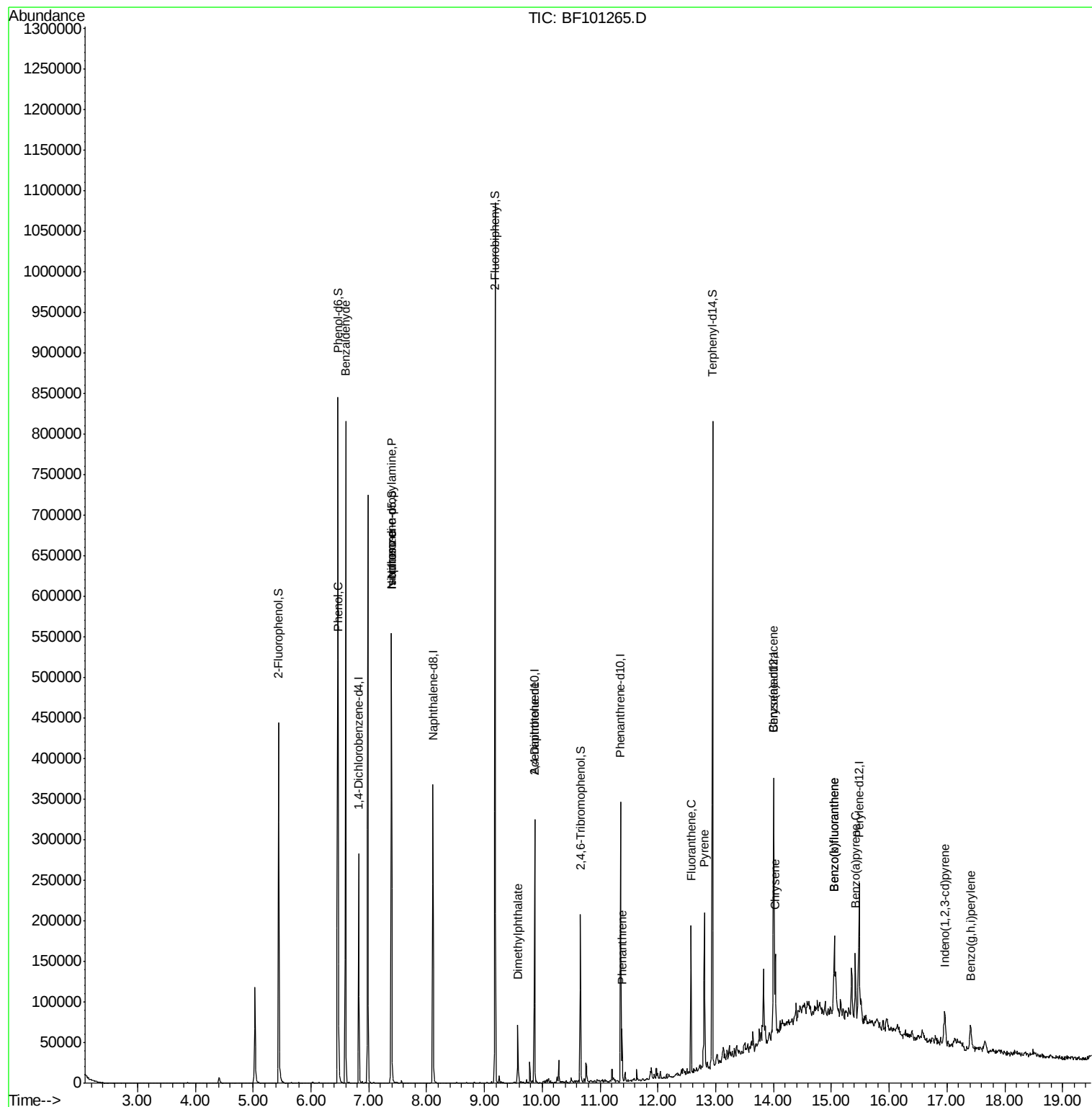
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	42498	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	156389	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	66001	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	114770	20.00	ng	0.00
75) Chrysene-d12	14.00	240	87314	20.00	ng	0.00
86) Perylene-d12	15.48	264	72769	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	125145	48.66	ng	0.00
7) Phenol-d6	6.46	99	270894	86.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	158015	60.27	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	24569	30.99	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	342755	71.05	ng	0.00
78) Terphenyl-d14	12.95	244	283764	71.08	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	3952	2.068	ng	91
10) Phenol	6.47	94	13654	3.933	ng	91
19) n-Nitroso-di-n-propylamine	7.39	70	20961	9.968	ng	# 78
25) Isophorone	7.39	82	158014	35.286	ng	# 64
49) Dimethylphthalate	9.58	163	29052	5.458	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	8973	5.972	ng	# 21
70) Phenanthrene	11.38	178	21649	3.425	ng	99
74) Fluoranthene	12.57	202	68414	9.765	ng	95
77) Pyrene	12.80	202	65991	10.953	ng	98
80) Benzo(a)anthracene	14.00	228	45554	8.263	ng	99
82) Chrysene	14.03	228	40509	7.912	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	23503	5.163	ng	# 87
87) Benzo(b)fluoranthene	15.05	252	70846	16.254	ng	97
88) Benzo(k)fluoranthene	15.05	252	70846	16.498	ng	99
89) Benzo(a)pyrene	15.42	252	38442	9.701	ng	95
91) Benzo(g,h,i)perylene	17.41	276	25067	7.614	ng	# 89

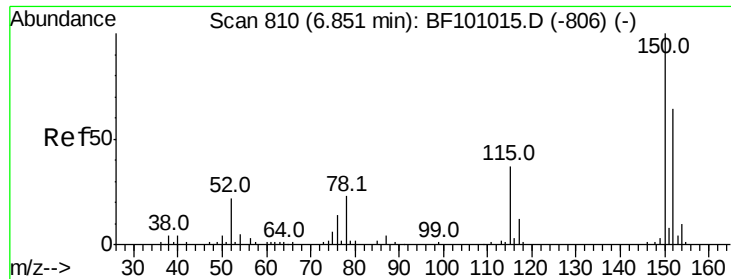
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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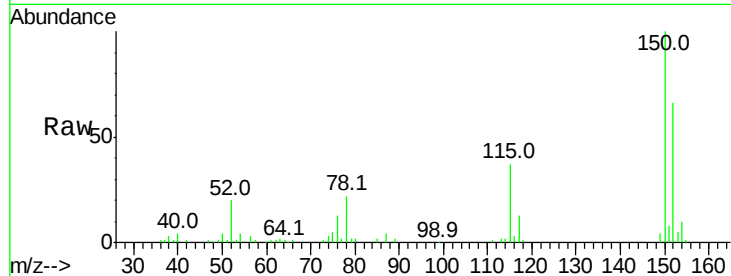


#1

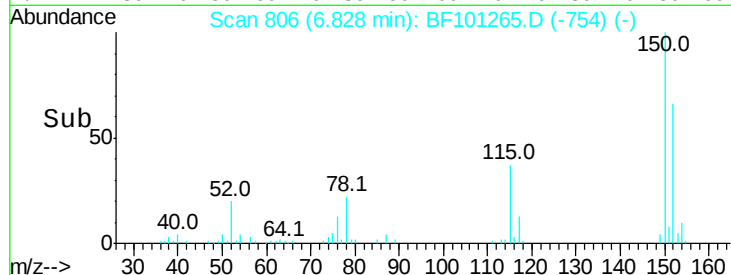
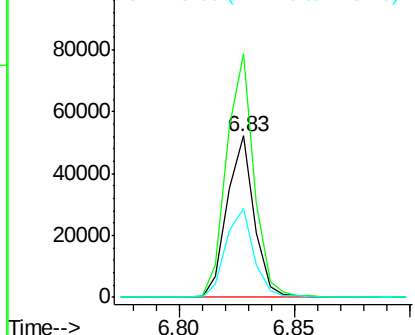
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42498
Ion Ratio Lower Upper
152 100
150 151.1 124.6 186.8
115 55.4 50.1 75.1



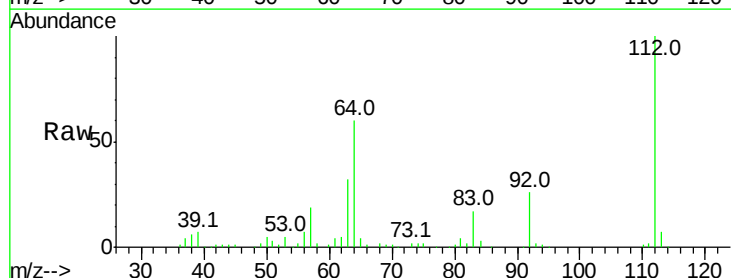
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



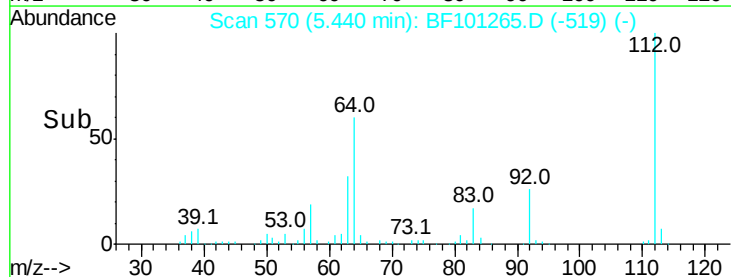
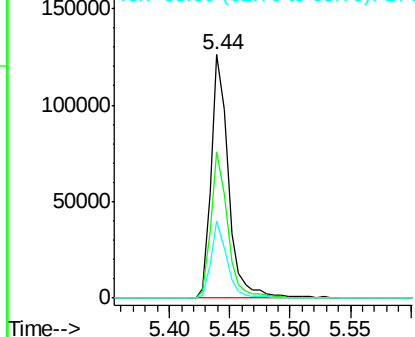
#5

2-Fluorophenol
Concen: 48.660 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

Tgt Ion:112 Resp: 125145
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.757 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

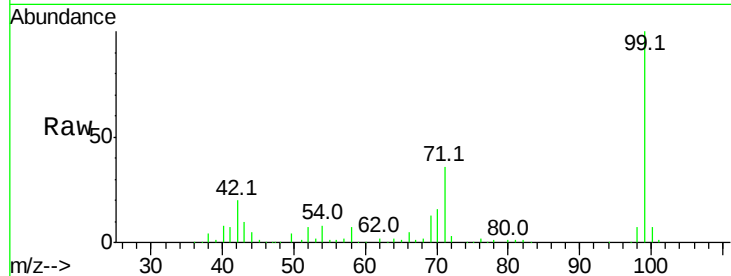
Tot Ion: 99 Resp: 270894

Ion Ratio Lower Upper

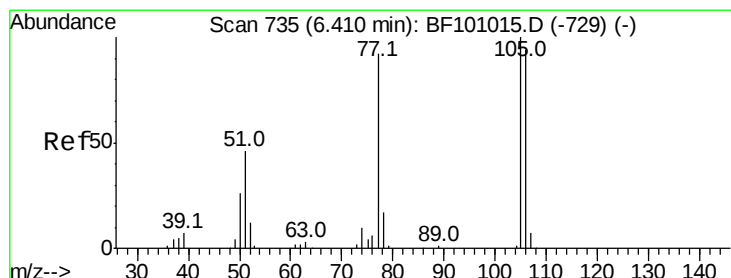
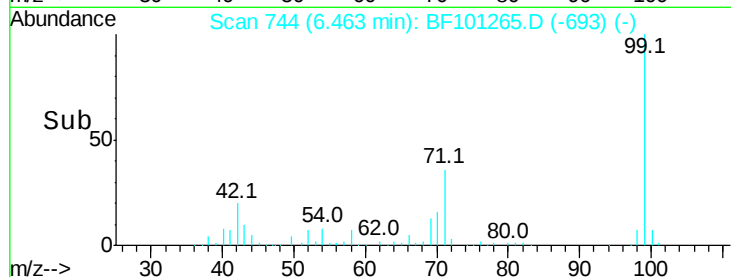
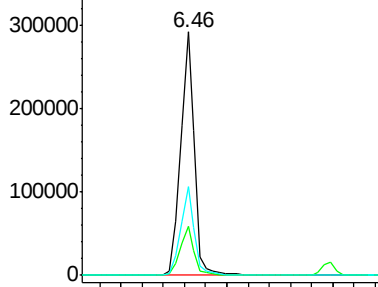
99 100

42 20.2 14.5 21.7

71 36.3 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: 2.068 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

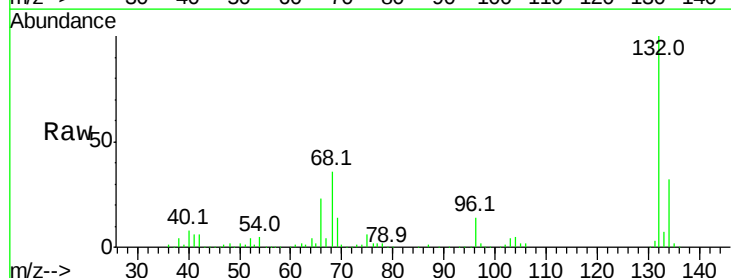
Tgt Ion: 77 Resp: 3952

Ion Ratio Lower Upper

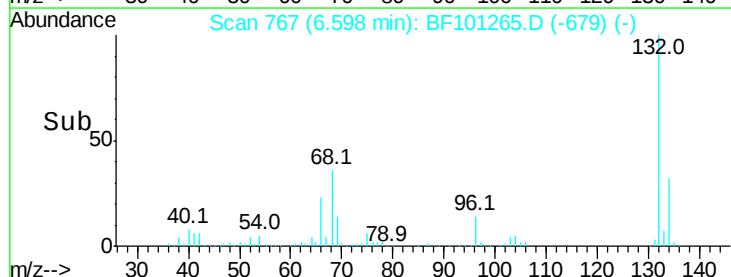
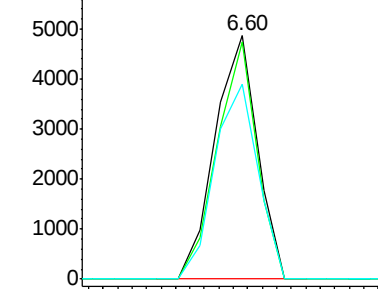
77 100

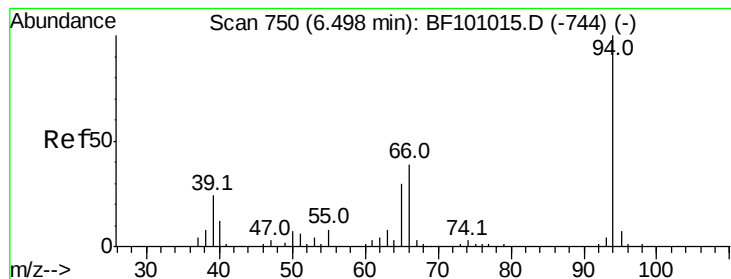
105 97.7 81.1 121.1

106 80.0 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: 3.933 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :
BNA_F
ClientSampled :

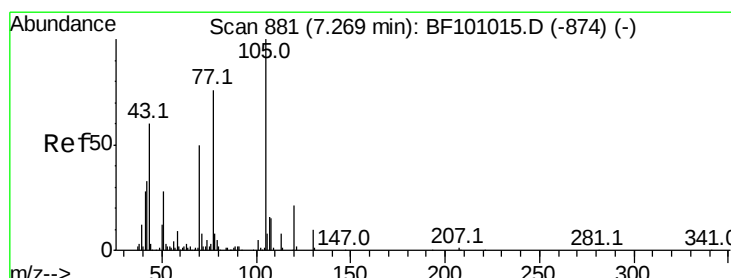
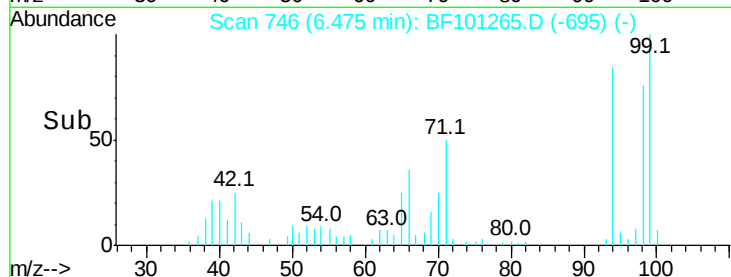
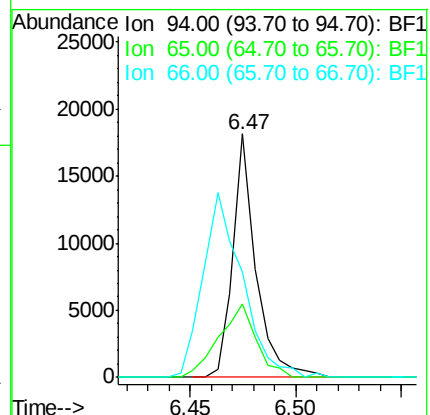
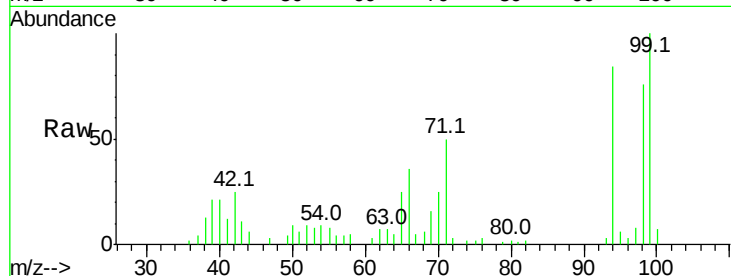
Tot Ion: 94 Resp: 13654

Ion Ratio Lower Upper

94 100

65 30.0 7.9 47.9

66 43.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.968 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Tgt Ion: 70 Resp: 20961

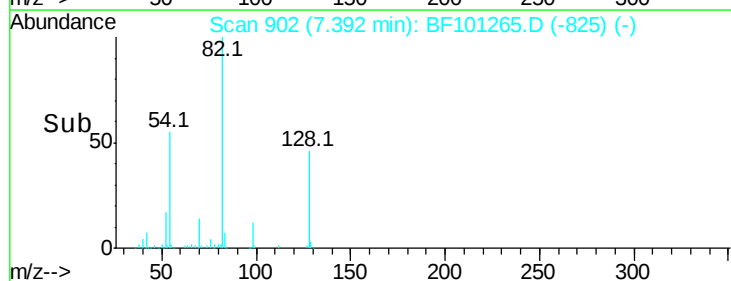
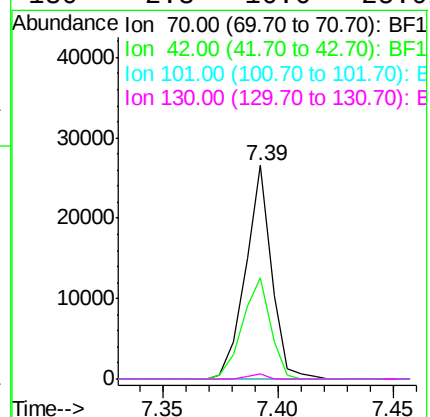
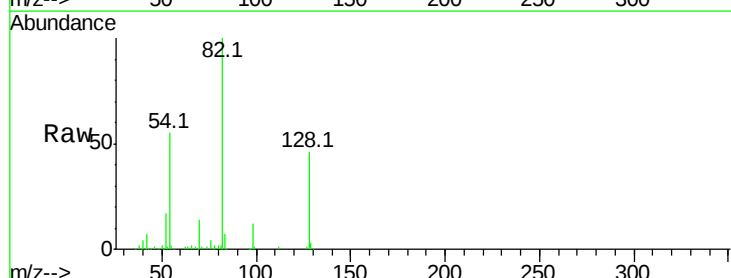
Ion Ratio Lower Upper

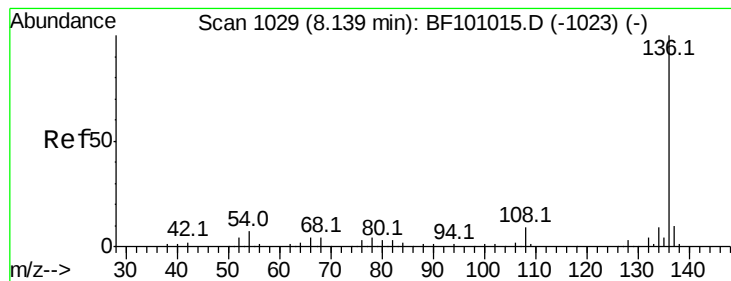
70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 156389

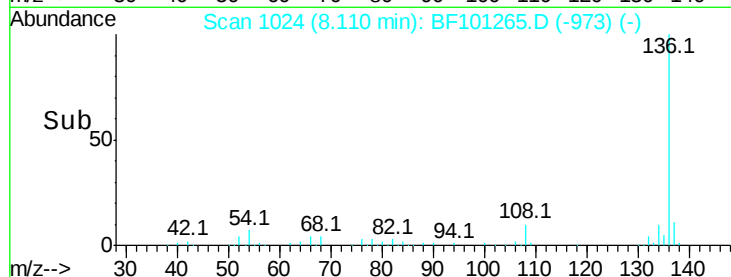
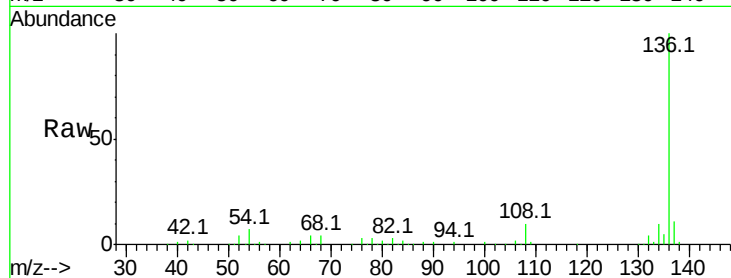
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 4.2 5.0 7.4#

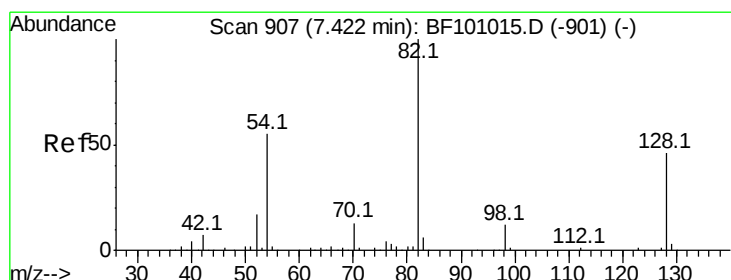
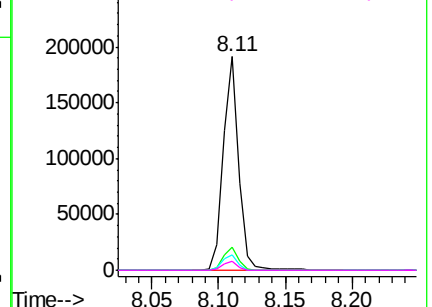


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.273 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

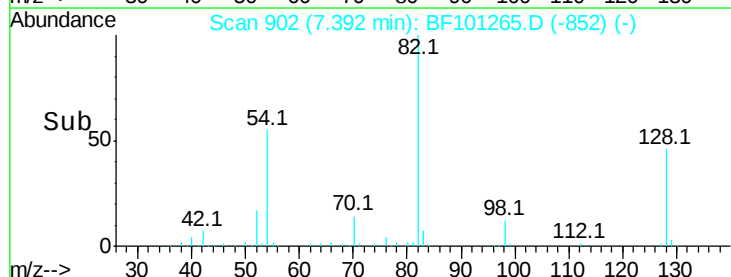
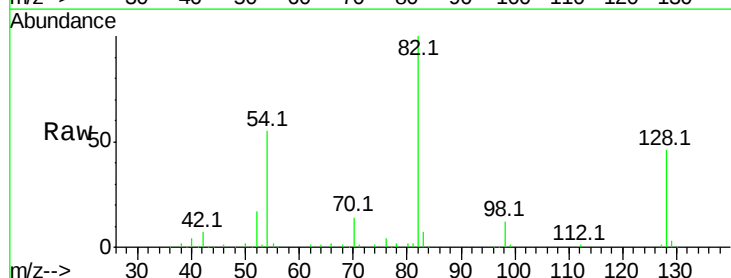
Tgt Ion: 82 Resp: 158015

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

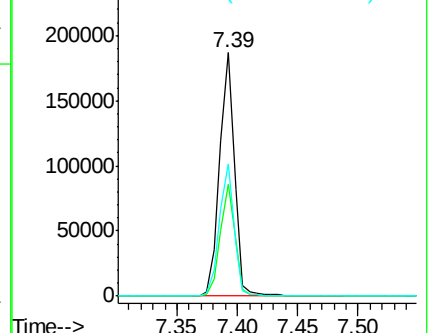
54 54.6 41.4 62.2

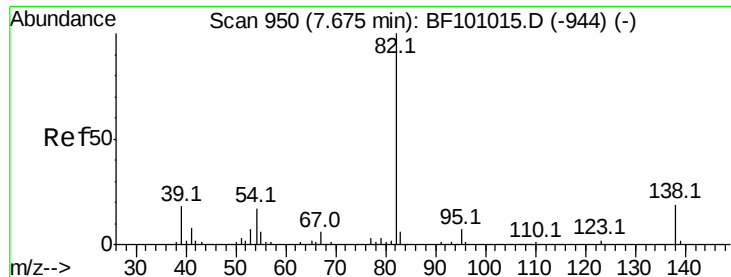


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.286 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

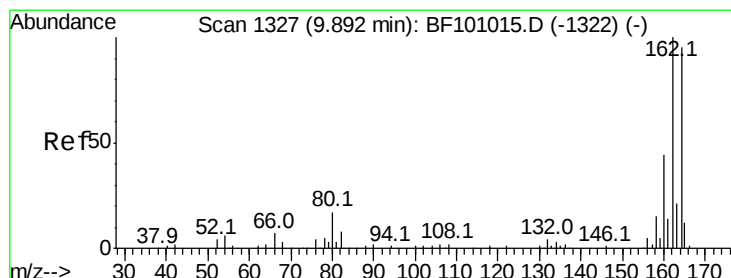
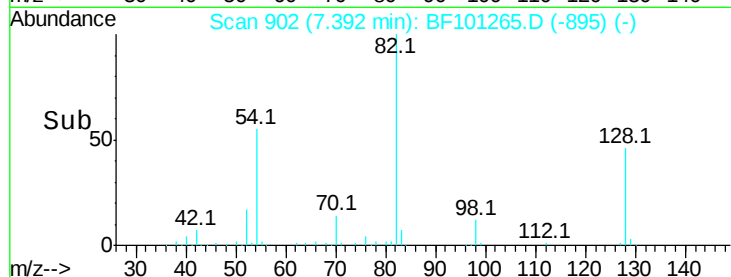
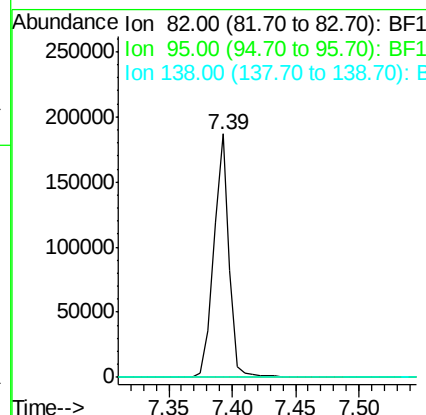
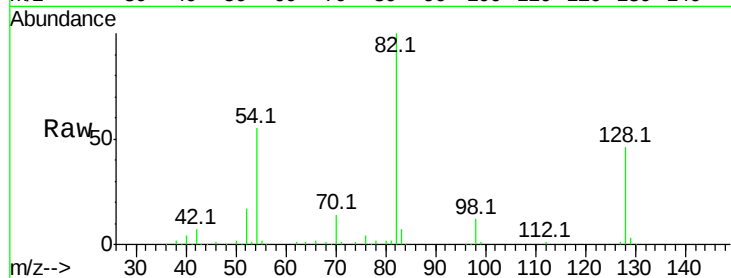
Tot Ion: 82 Resp: 158014

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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

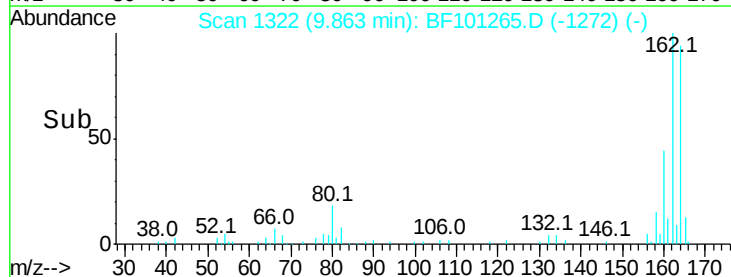
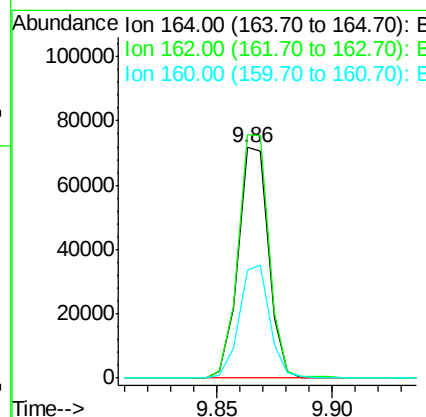
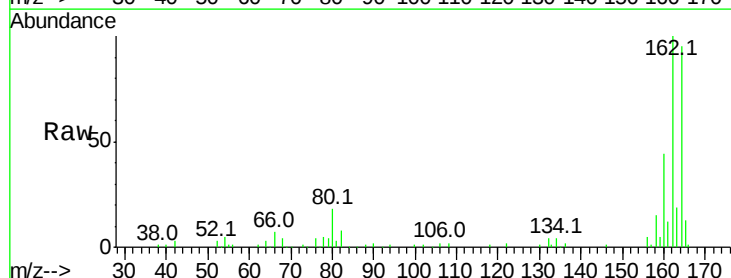
Tgt Ion:164 Resp: 66001

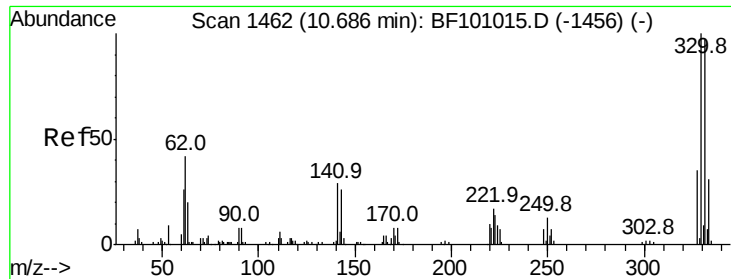
Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

160 46.9 38.3 57.5

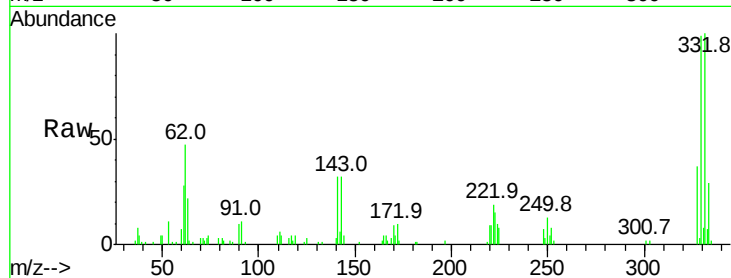




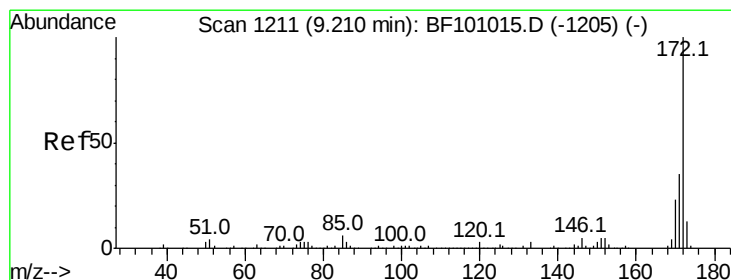
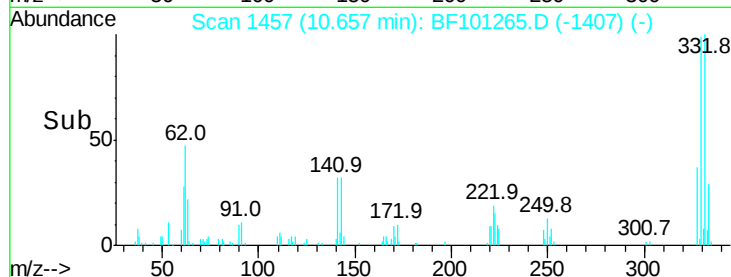
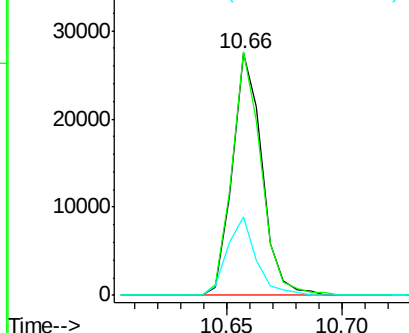
#41
 2,4,6-Tribromophenol
 Concen: 30.988 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101265.D
 Acq: 9 Dec 2017 6:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24569
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.0 115.6
 141 31.4 29.9 44.9

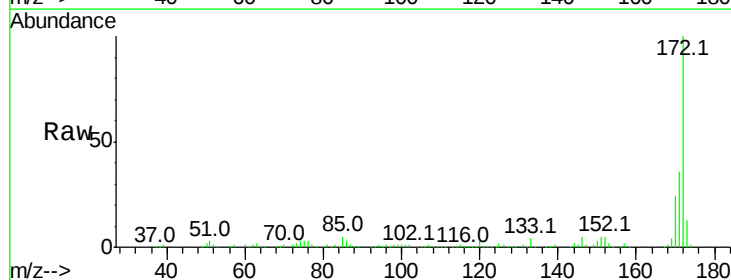


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

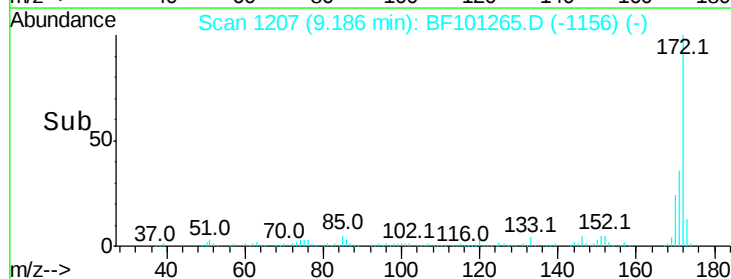
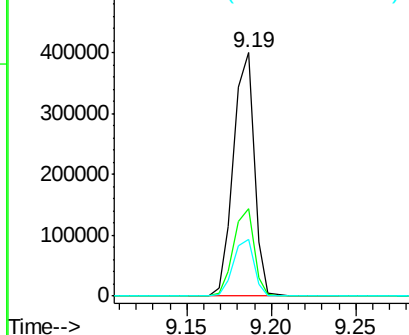


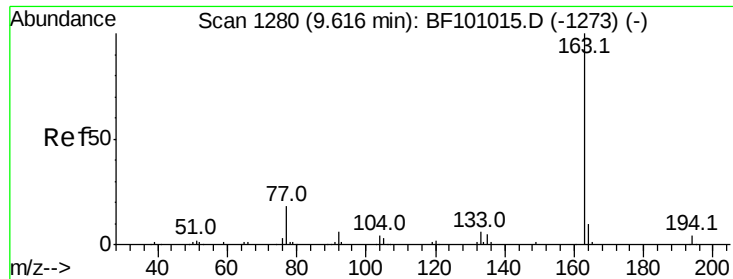
#44
 2-Fluorobiphenyl
 Concen: 71.053 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101265.D
 Acq: 9 Dec 2017 6:08

Tgt Ion:172 Resp: 342755
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.5 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

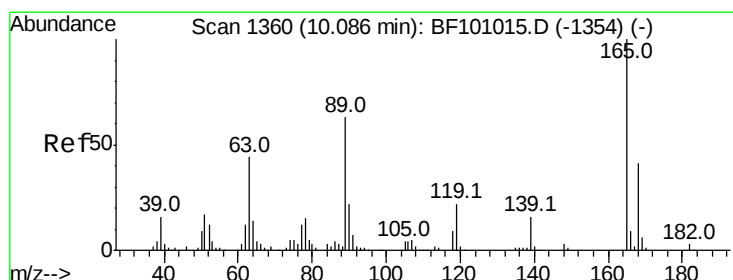
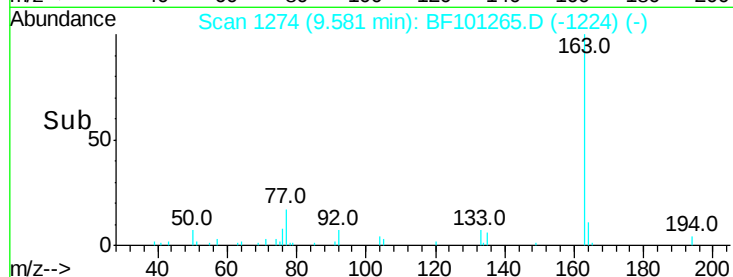
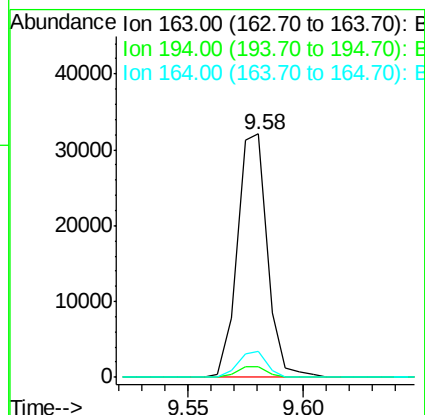
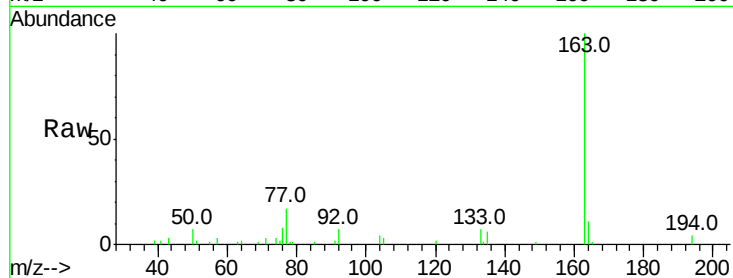




#49
Dimethylphthalate
Concen: 5.458 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

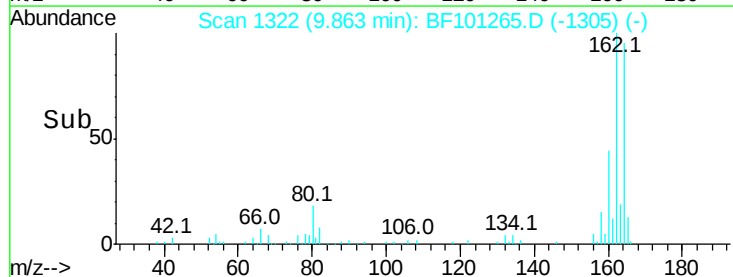
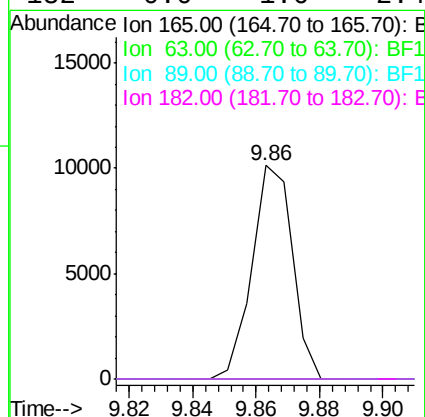
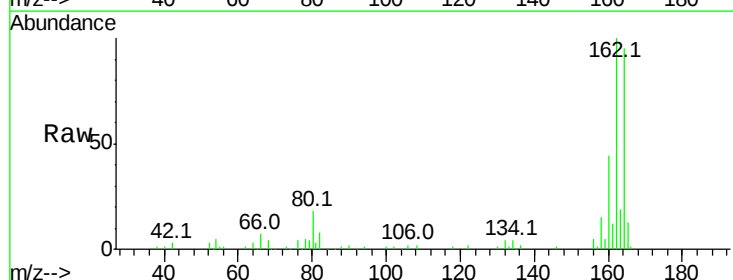
Instrument :
BNA_F
ClientSampleId :

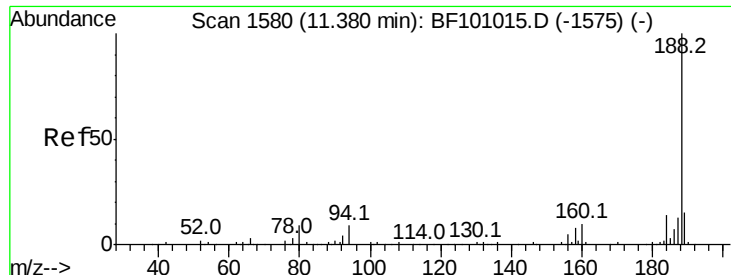
Tot Ion:163 Resp: 29052
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.6 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.972 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.20 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

Tgt Ion:165 Resp: 8973
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

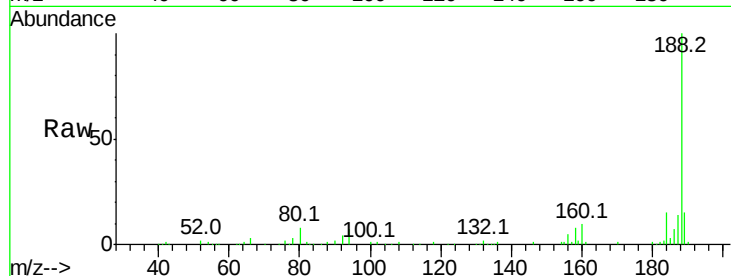




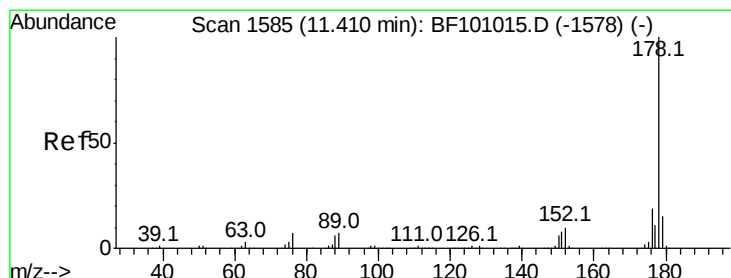
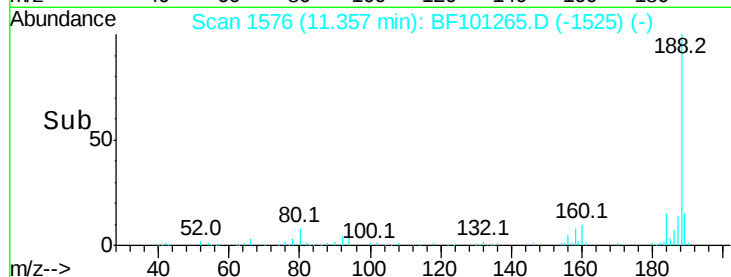
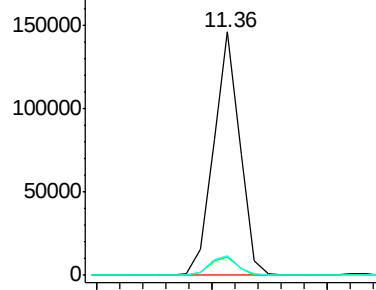
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 114770
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 8.3 9.2 13.8#

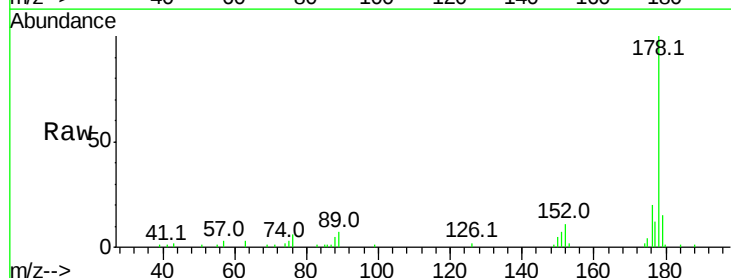


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

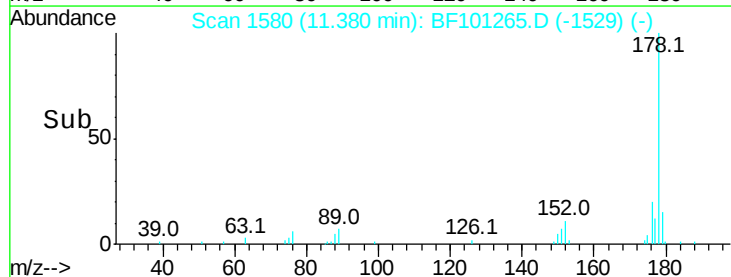
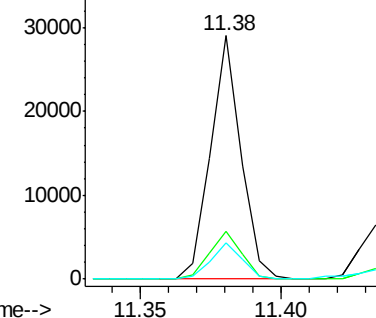


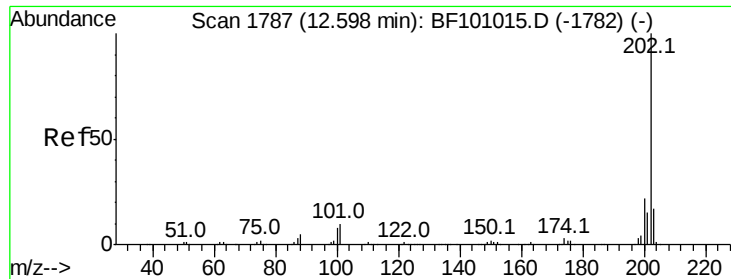
#70
Phenanthrene
Concen: 3.425 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101265.D
Acq: 9 Dec 2017 6:08

Tgt Ion:178 Resp: 21649
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.1 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: 9.765 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

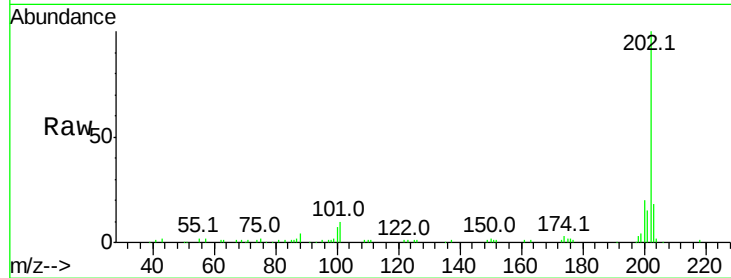
Tot Ion:202 Resp: 68414

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

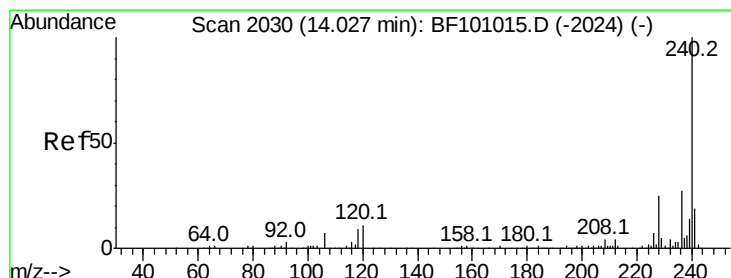
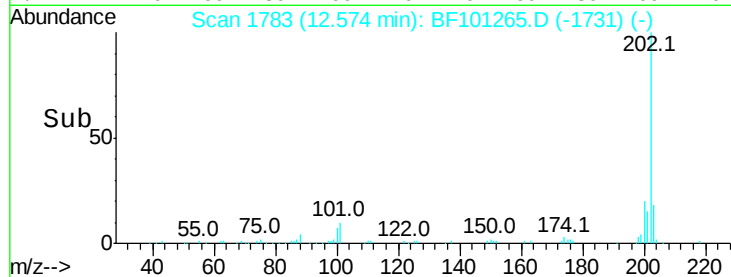
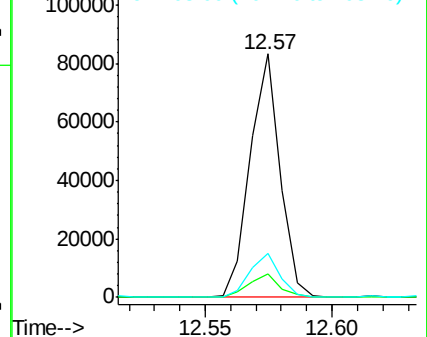
203 18.0 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

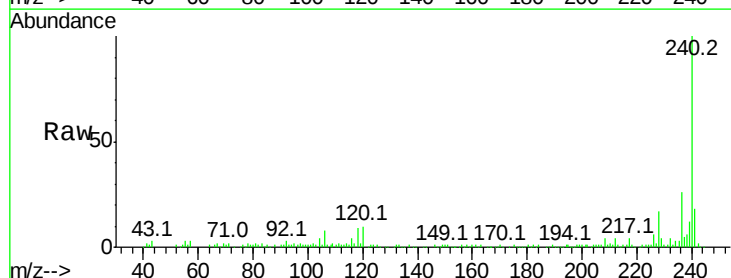
Tgt Ion:240 Resp: 87314

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

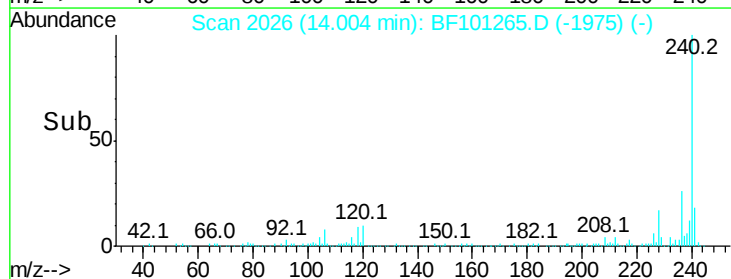
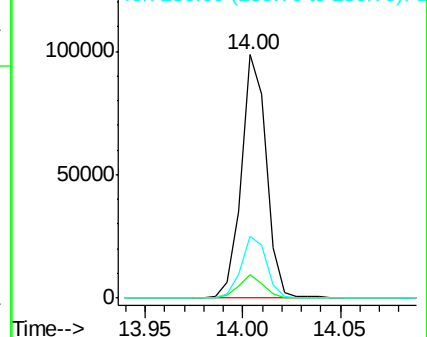
236 25.6 20.7 31.1

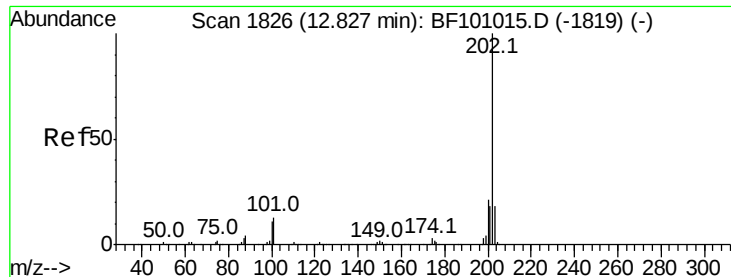


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.953 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

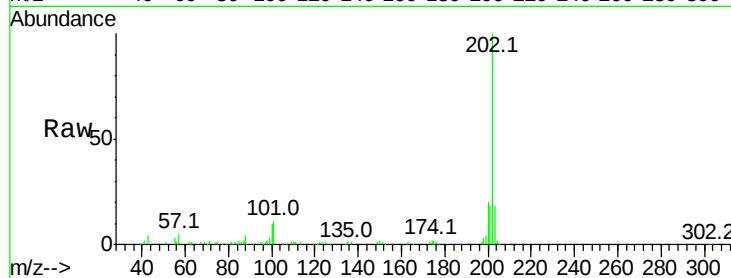
Tot Ion:202 Resp: 65991

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

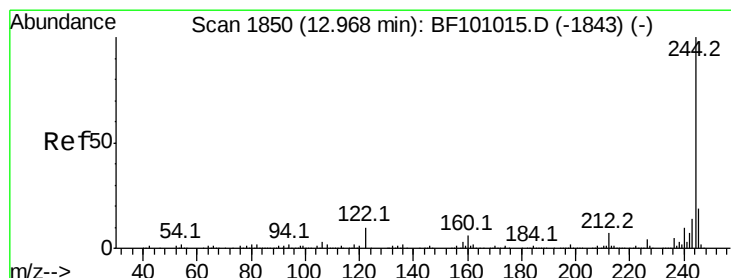
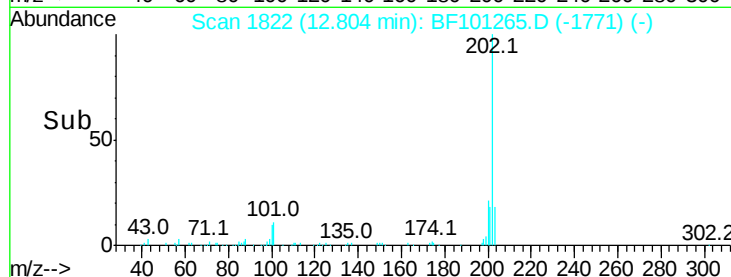
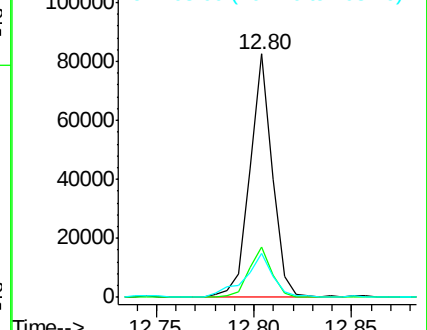
203 18.1 14.3 21.5



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: 71.084 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

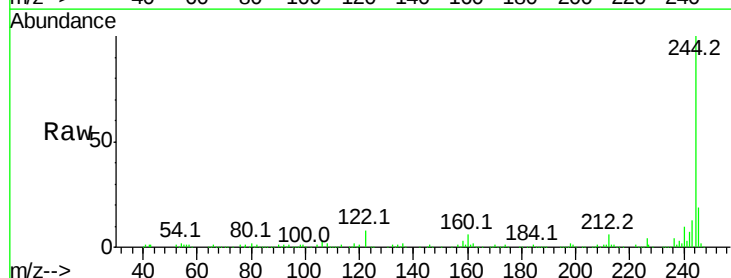
Tgt Ion:244 Resp: 283764

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

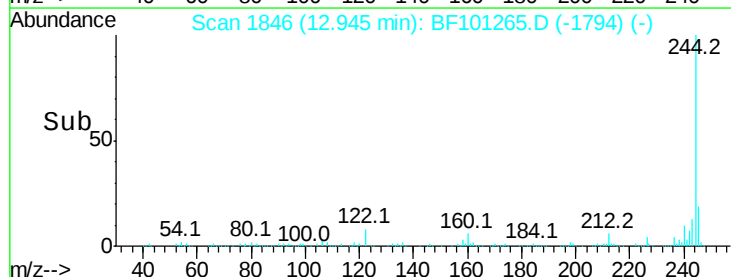
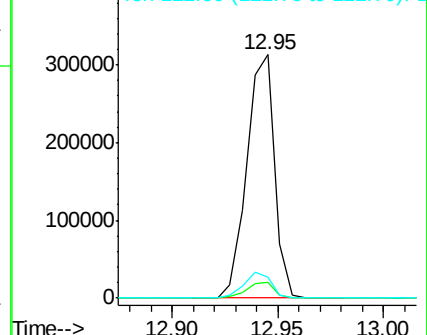
122 8.5 11.0 16.4#

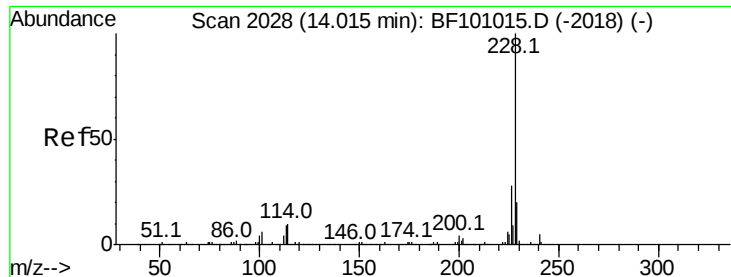


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.263 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampled :

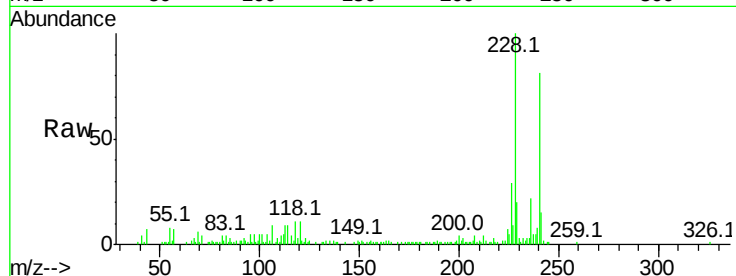
Tot Ion:228 Resp: 45554

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 20.3 15.8 23.6

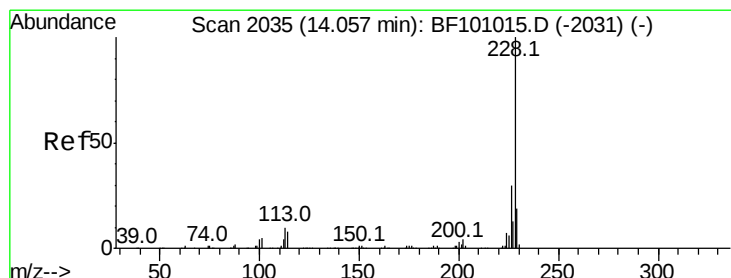
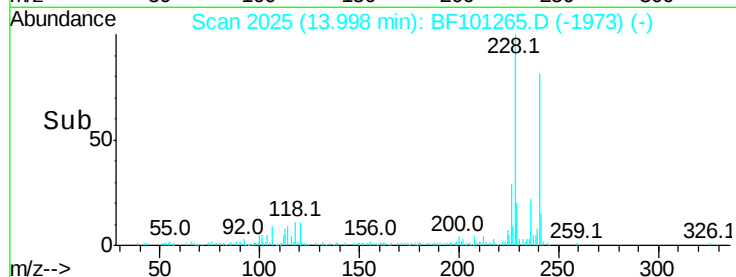
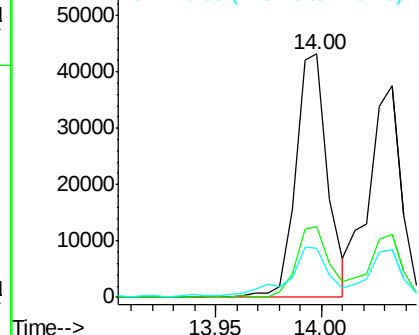


Abundance

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: 7.912 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

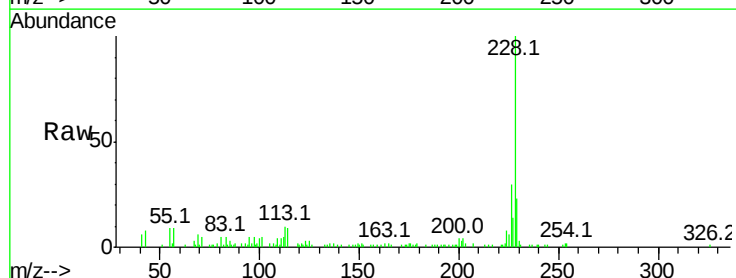
Tgt Ion:228 Resp: 40509

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 22.6 16.2 24.4

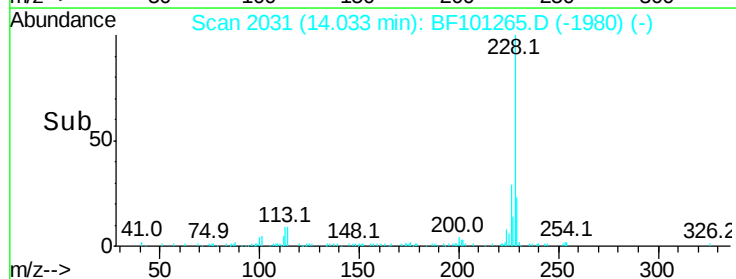
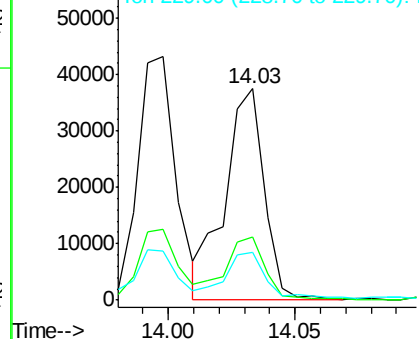


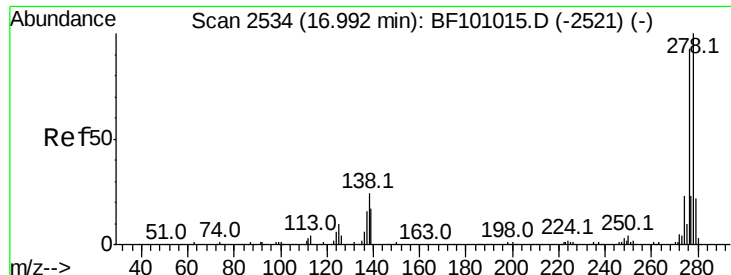
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.163 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

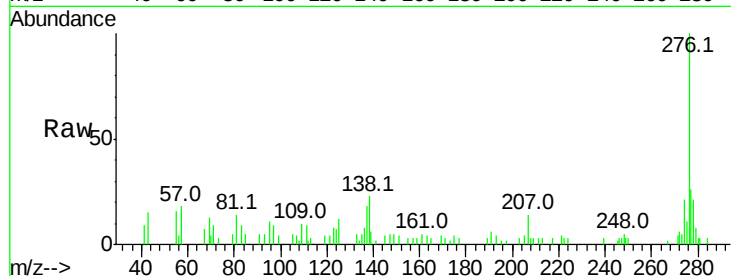
Tot Ion:276 Resp: 23503

Ion Ratio Lower Upper

276 100

138 24.3 25.0 37.6#

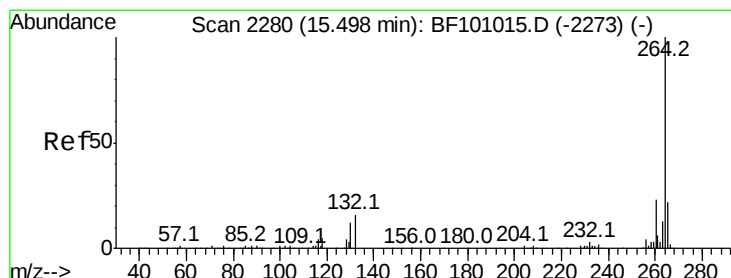
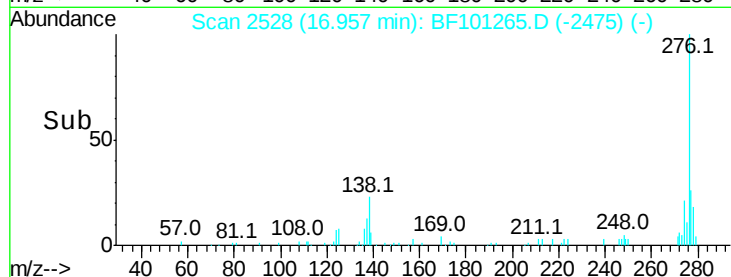
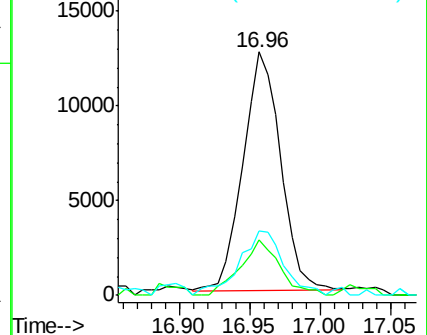
277 31.6 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

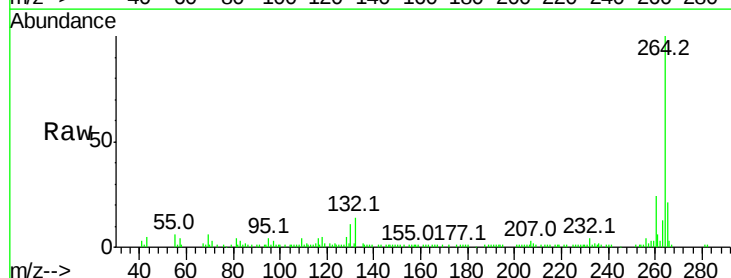
Tgt Ion:264 Resp: 72769

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

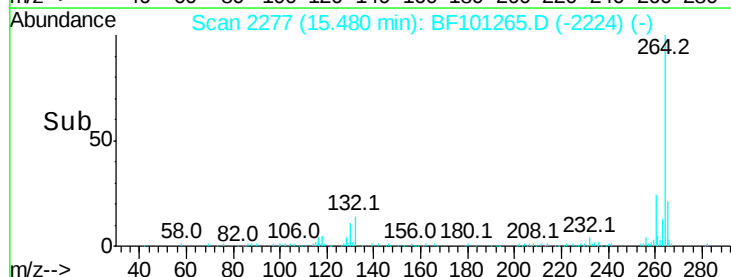
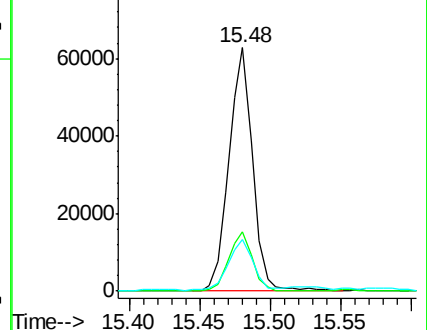
265 20.9 17.5 26.3

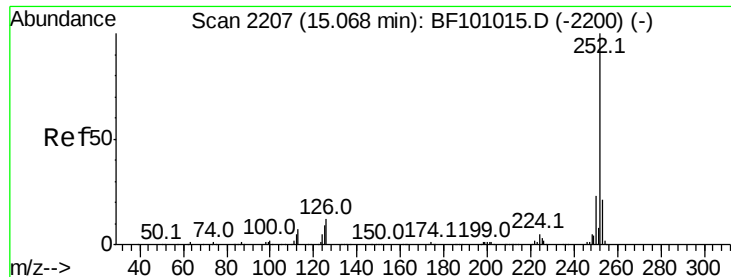


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.254 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

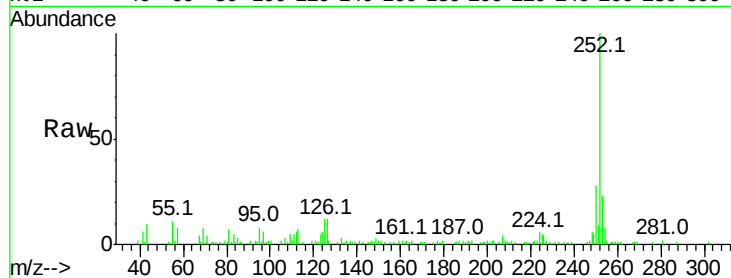
Tot Ion:252 Resp: 70846

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

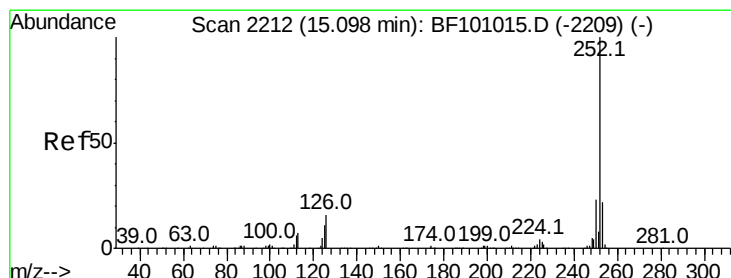
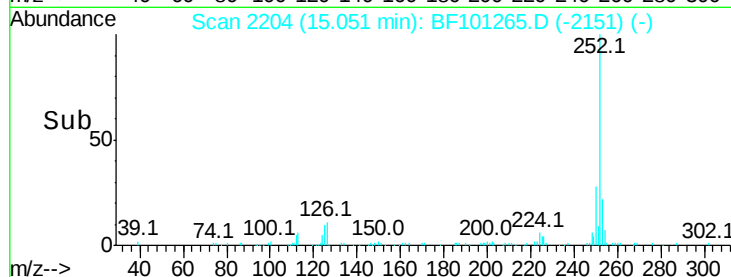
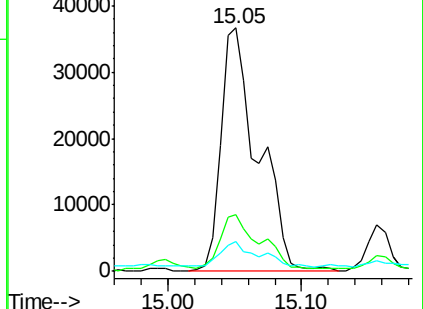
125 12.2 9.0 13.6



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: 16.498 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

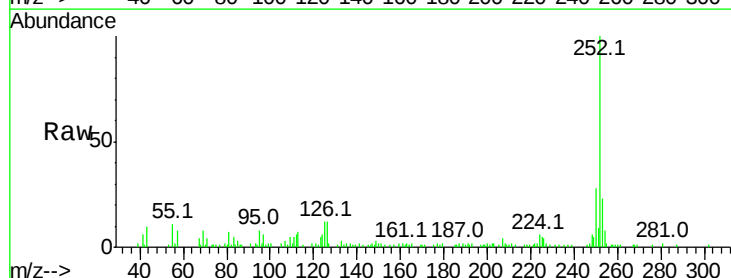
Tgt Ion:252 Resp: 70846

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

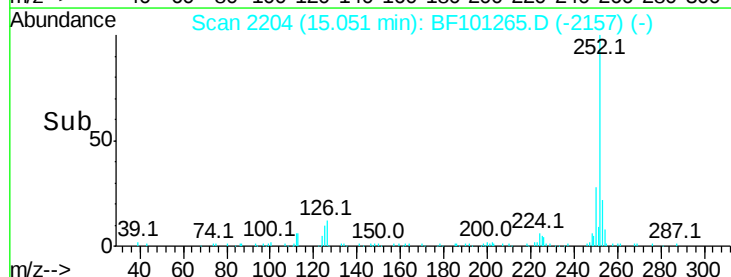
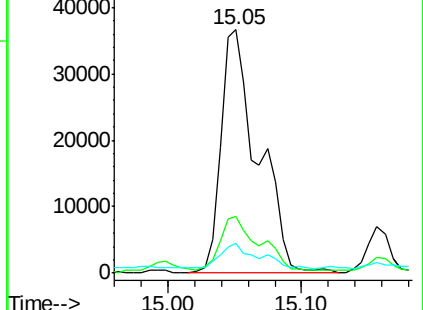
125 12.2 10.2 15.2

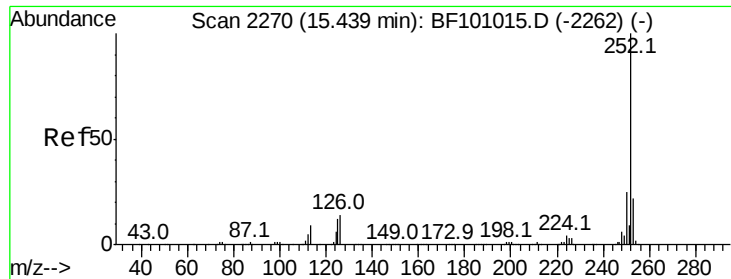


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.701 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

Instrument :

BNA_F

ClientSampleId :

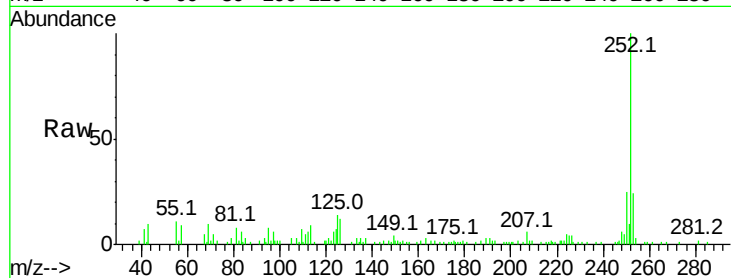
Tot Ion:252 Resp: 38442

Ion Ratio Lower Upper

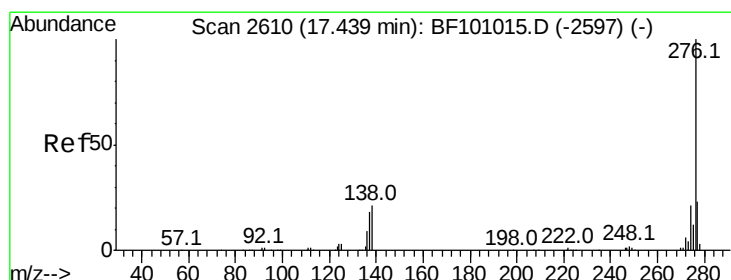
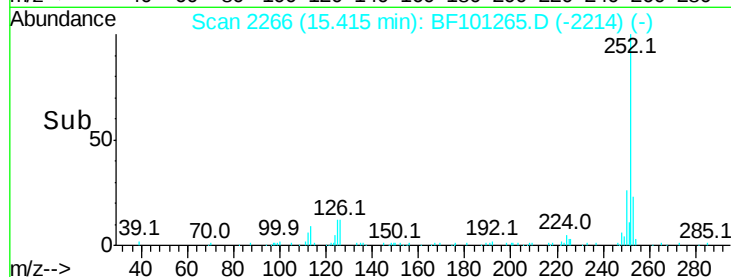
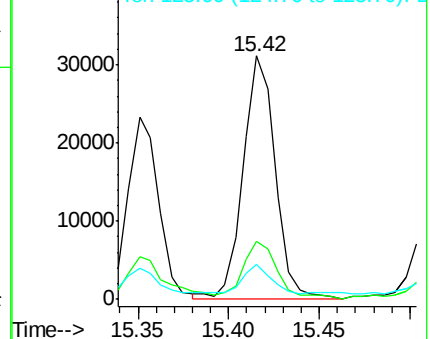
252 100

253 23.8 17.1 25.7

125 14.3 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: 7.614 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF101265.D

Acq: 9 Dec 2017 6:08

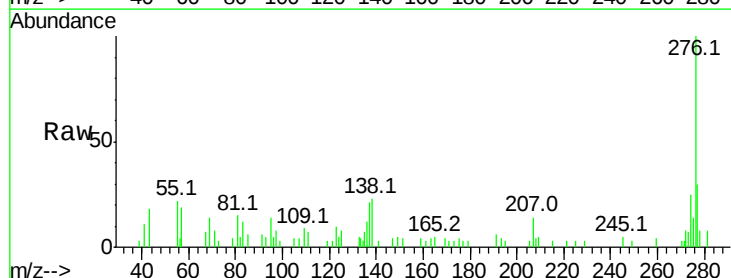
Tgt Ion:276 Resp: 25067

Ion Ratio Lower Upper

276 100

277 29.6 17.9 26.9#

138 23.4 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

