

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102045.D
 Acq On : 12 Jan 2018 16:18
 Operator : SJ/JU
 Sample : J1100-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 21:53:29 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	218945	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	883189	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	382703	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	626815	20.00	ng	0.00
75) Chrysene-d12	13.87	240	411028	20.00	ng	0.00
86) Perylene-d12	15.30	264	327370	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	215788	13.92	ng	-0.01
7) Phenol-d6	6.35	99	241487	13.05	ng	-0.01
23) Nitrobenzene-d5	7.29	82	162880	10.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	57460	17.20	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	326606	13.33	ng	-0.01
78) Terphenyl-d14	12.83	244	259376	13.10	ng	0.00

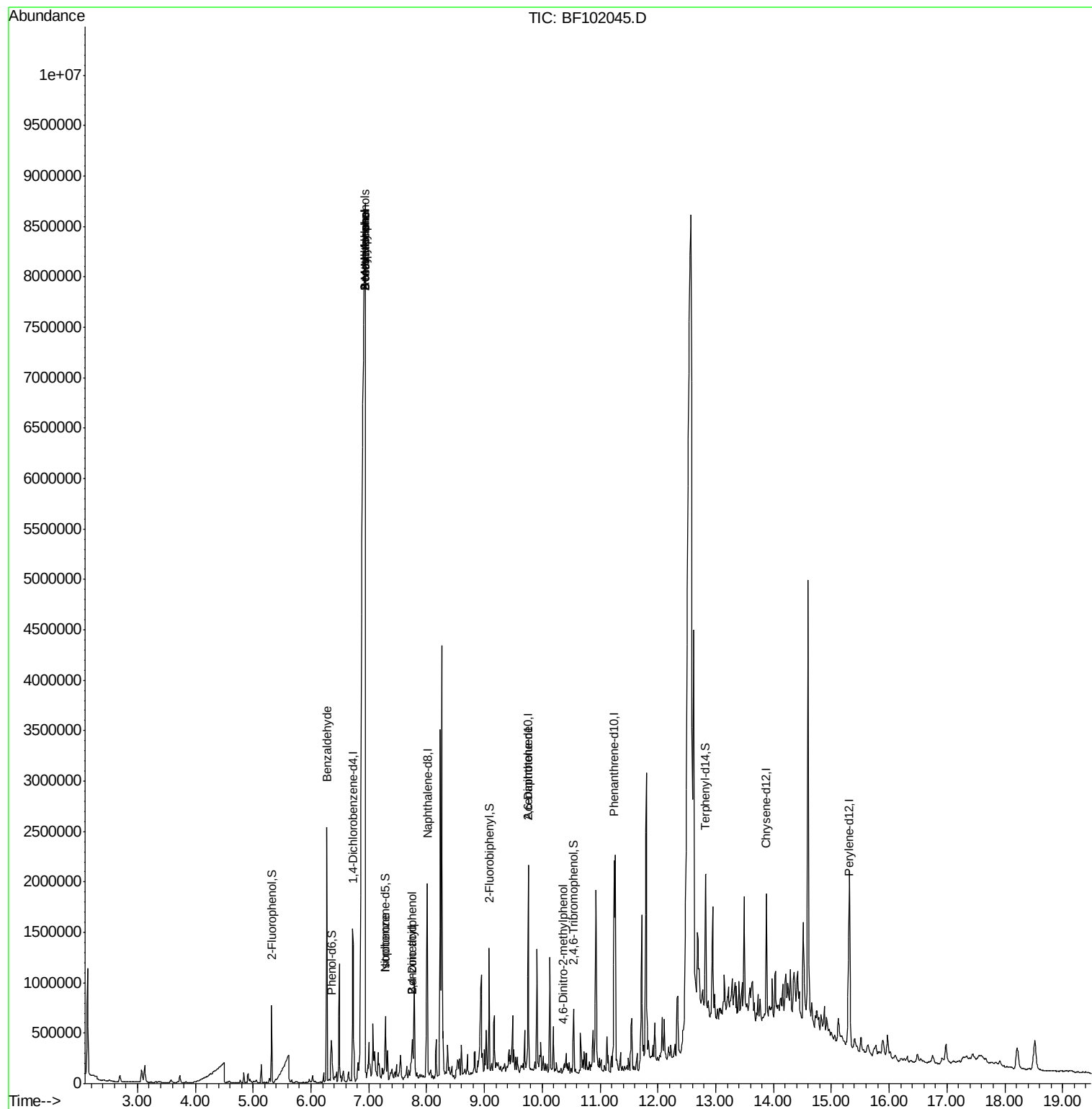
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	464041	36.127	ng	98
15) Benzyl Alcohol	6.93	79	6097795	450.627	ng	97
17) 2-Methylphenol	6.93	107	3427030	244.296	ng	# 19
20) 3+4-Methylphenols	6.93	107	3395311	201.580	ng	# 1
22) Acetophenone	6.93	105	212029	9.964	ng	# 1
25) Isophorone	7.29	82	162653	5.477	ng	# 64
27) 2,4-Dimethylphenol	7.75	122	67803	5.371	ng	# 5
32) Benzoic acid	7.75	122	67803	7.083	ng	95
50) 2,6-Dinitrotoluene	9.76	165	51018	8.319	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.36	198	728	5.851	ng	# 1

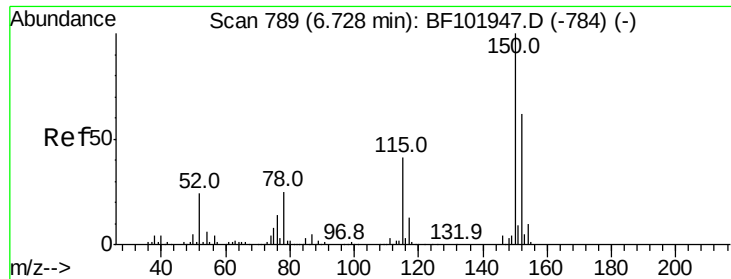
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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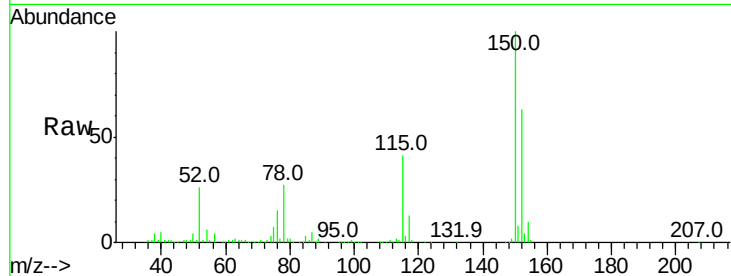


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102045.D
Acq: 12 Jan 2018 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	64.4	50.1	75.1

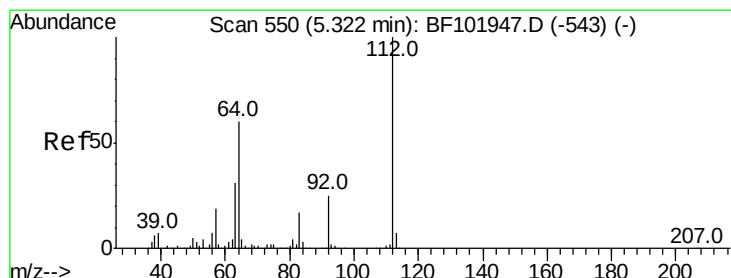
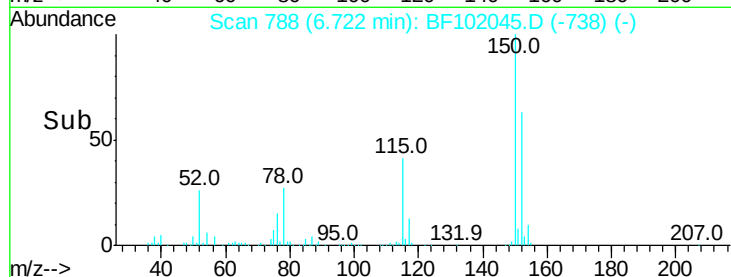
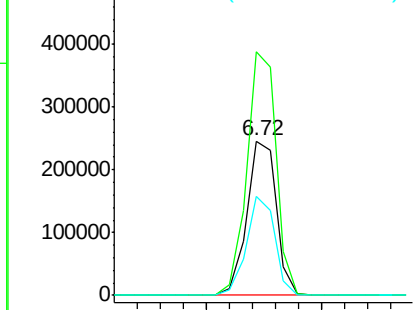


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

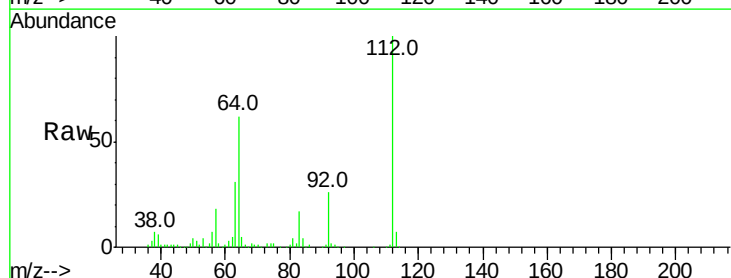
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.917 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102045.D
Acq: 12 Jan 2018 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	31.1	23.7	35.5

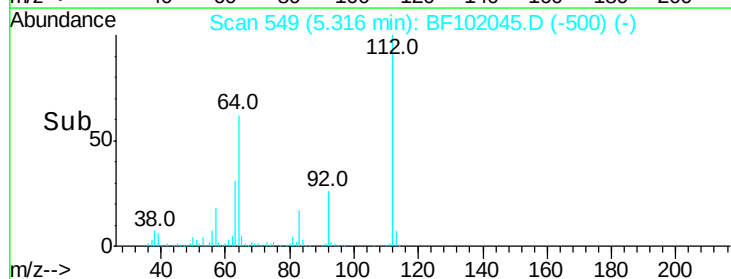
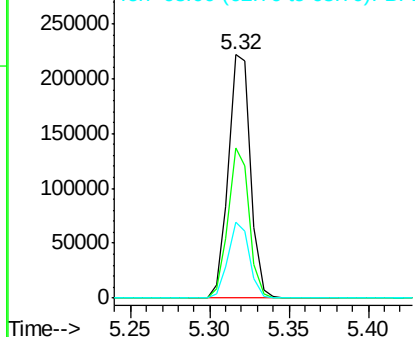


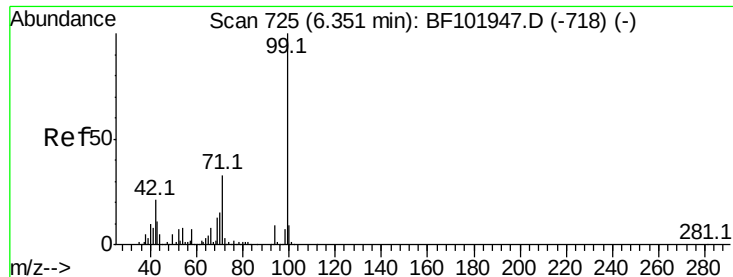
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 13.054 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampleId :

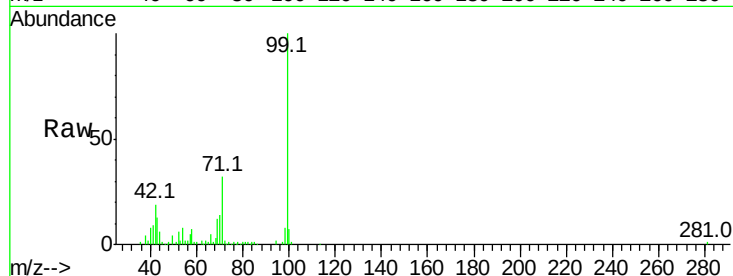
Tot Ion: 99 Resp: 241487

Ion Ratio Lower Upper

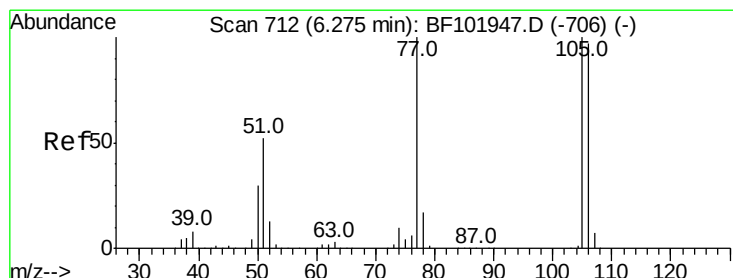
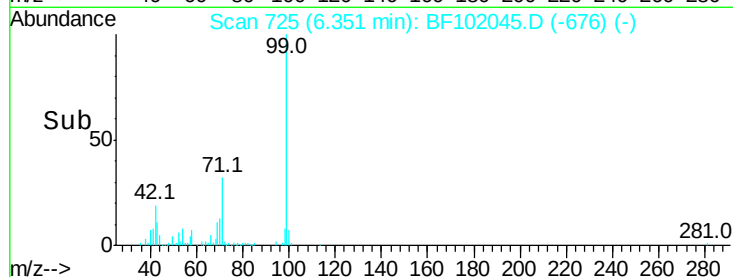
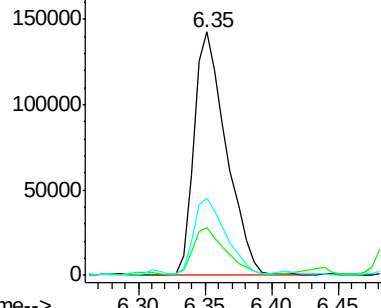
99 100

42 19.4 14.5 21.7

71 31.6 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: 36.127 ng

RT: 6.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

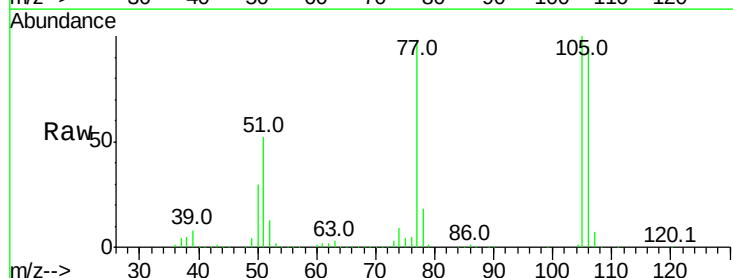
Tgt Ion: 77 Resp: 464041

Ion Ratio Lower Upper

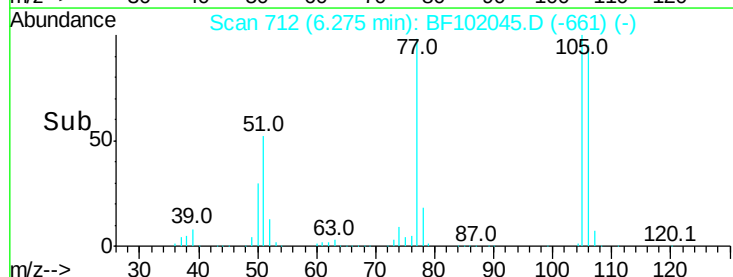
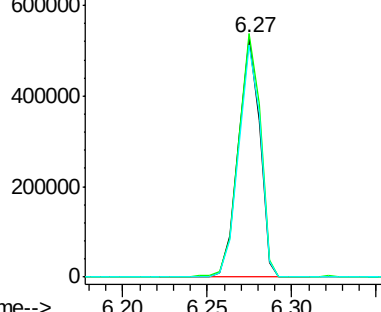
77 100

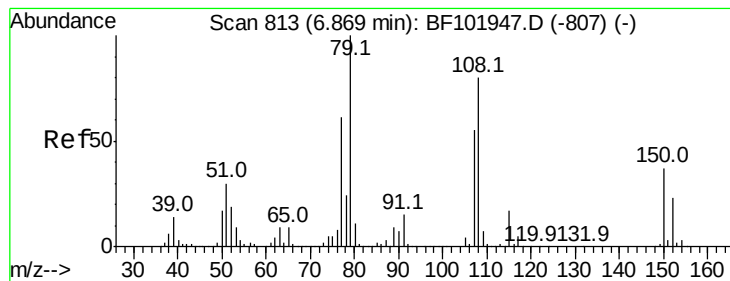
105 101.9 81.1 121.1

106 97.3 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





#15

Benzyl Alcohol

Concen: 450.627 ng

RT: 6.93 min Scan# 824

Delta R.T. 0.06 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :
BNA_F
ClientSampled :

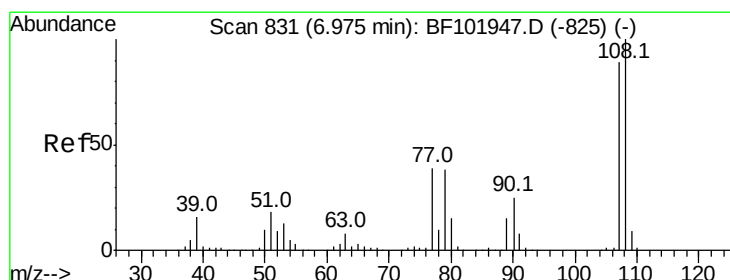
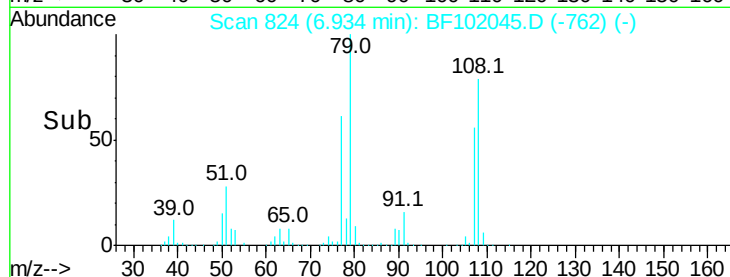
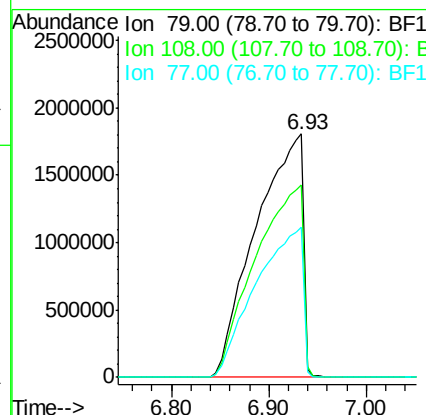
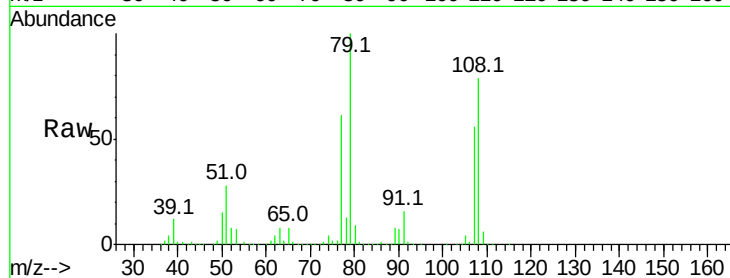
Tot Ion: 79 Resp: 6097795

Ion Ratio Lower Upper

79 100

108 79.0 65.1 97.7

77 61.4 50.6 75.8



#17

2-Methylphenol

Concen: 244.296 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.05 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Tgt Ion: 107 Resp: 3427030

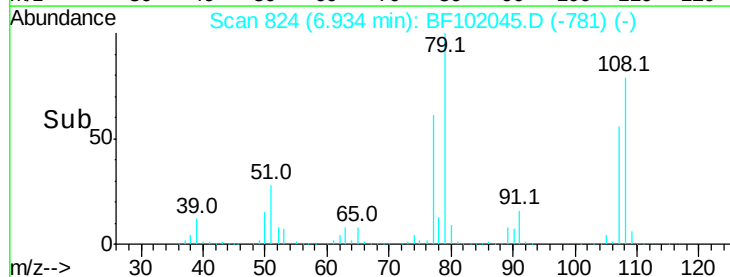
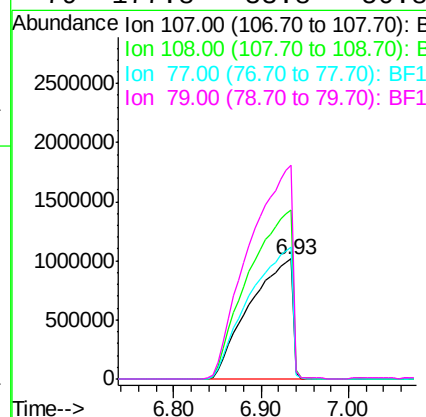
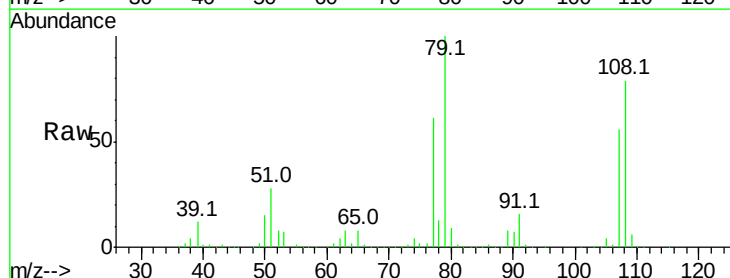
Ion Ratio Lower Upper

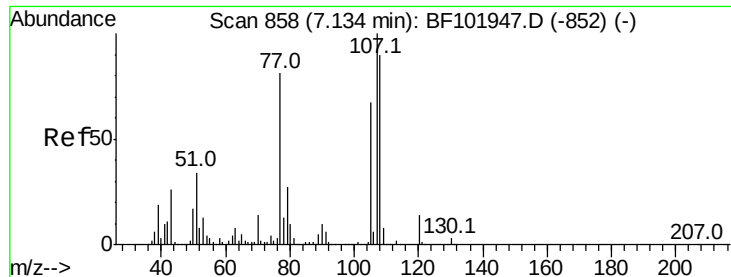
107 100

108 140.4 91.7 137.5#

77 109.2 33.8 50.8#

79 177.8 33.8 50.8#





#20

3+4-Methylphenols

Concen: 201.580 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.21 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 3395311

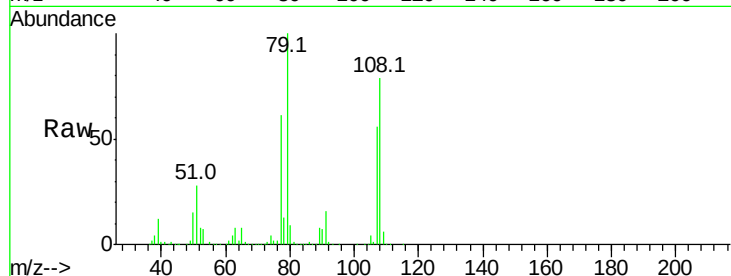
Ion Ratio Lower Upper

107 100

108 140.4 68.2 108.2#

77 109.2 26.7 66.7#

79 177.8 6.3 46.3#

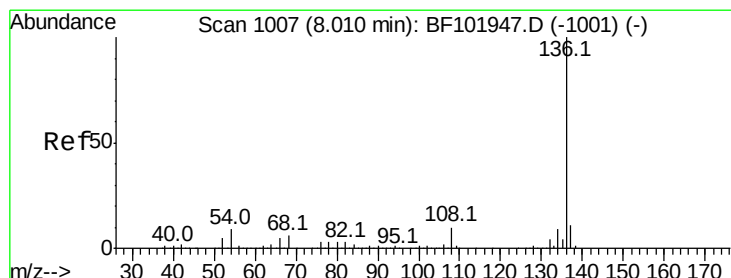
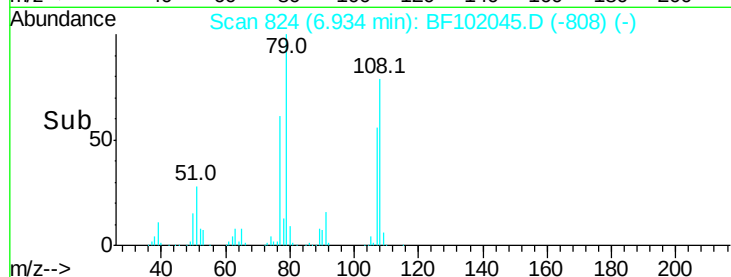
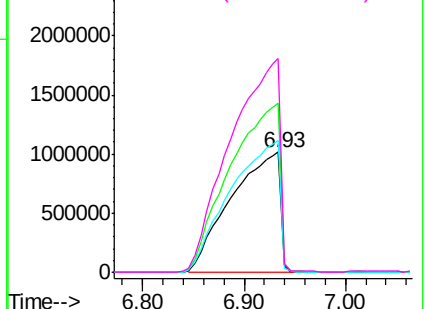


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Tgt Ion:136 Resp: 883189

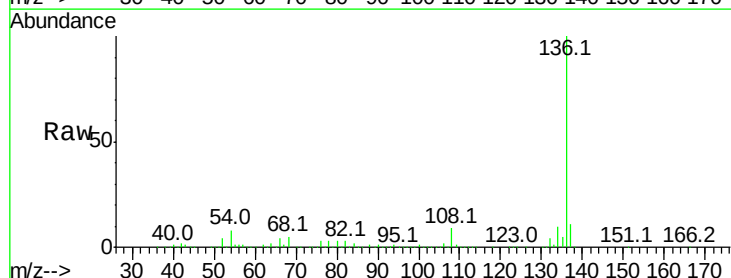
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 6.6 9.8

68 5.3 5.0 7.4

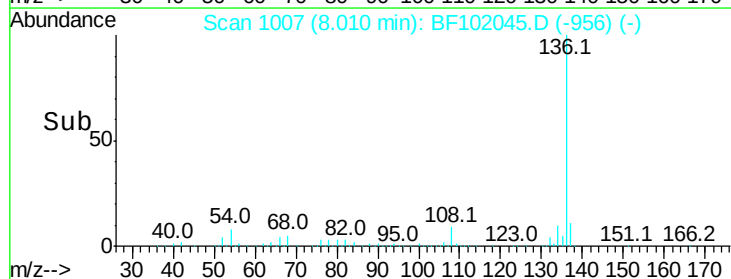
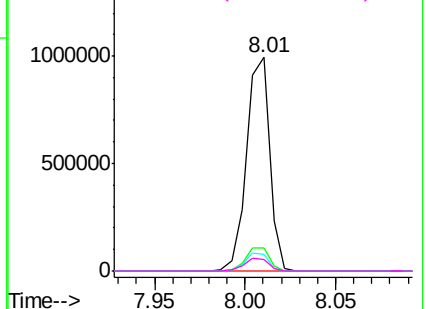


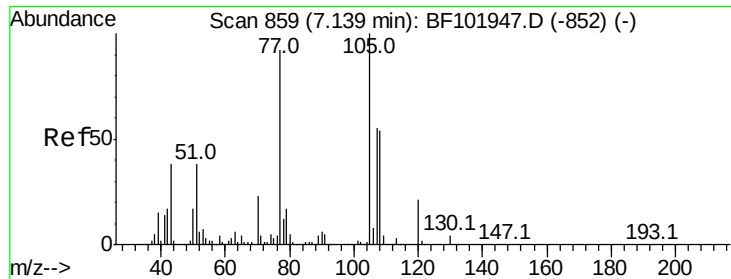
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 9.964 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.21 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 212029

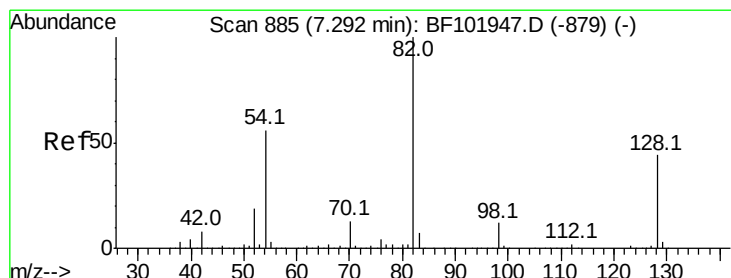
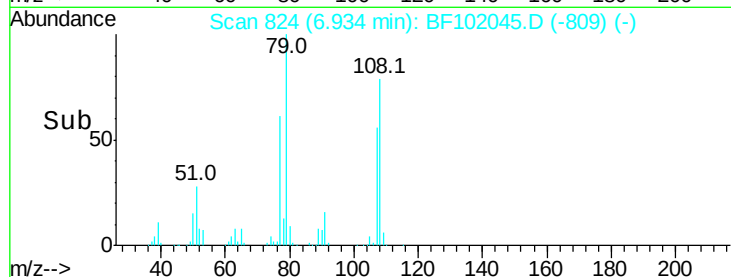
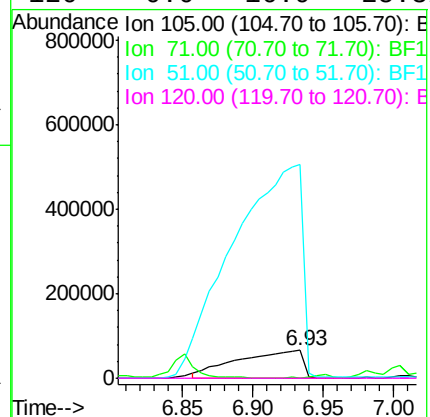
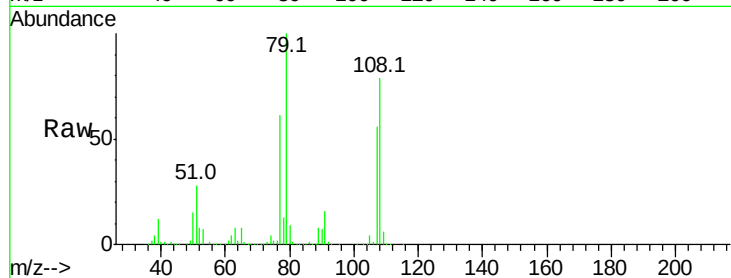
Ion Ratio Lower Upper

105 100

71 1.0 4.4 6.6#

51 759.0 22.3 33.5#

120 0.0 16.9 25.3#



#23

Nitrobenzene-d5

Concen: 10.837 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

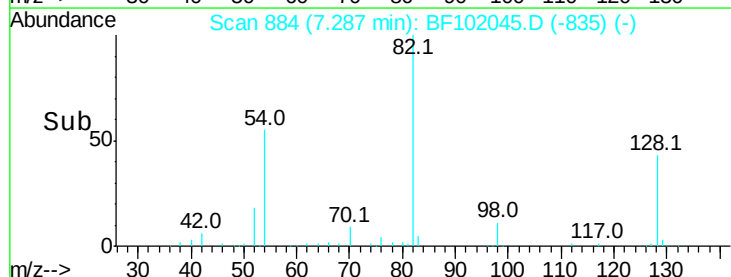
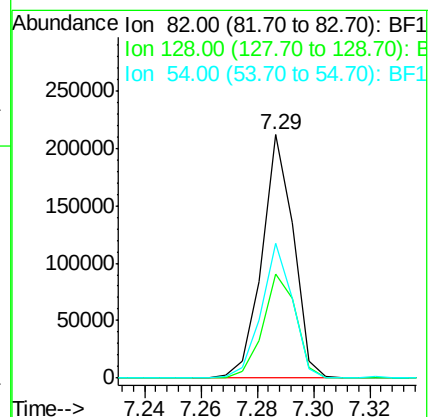
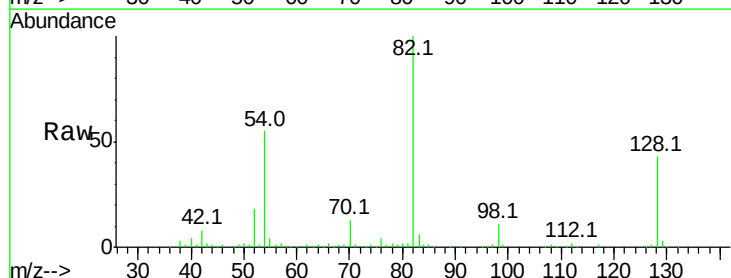
Tgt Ion: 82 Resp: 162880

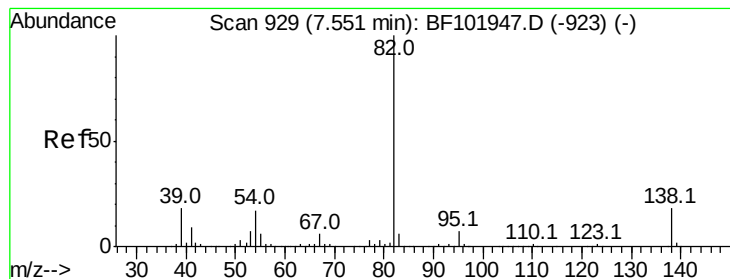
Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

54 55.2 41.4 62.2





#25

Isophorone

Concen: 5.477 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampleId :

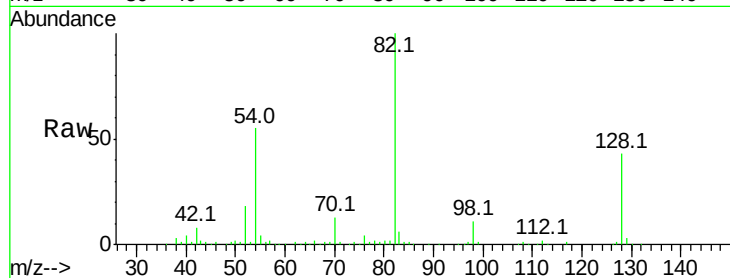
Tot Ion: 82 Resp: 162653

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

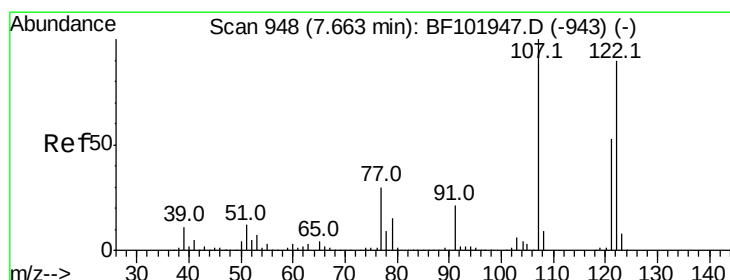
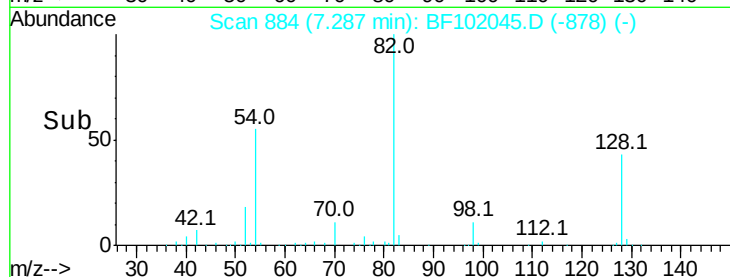
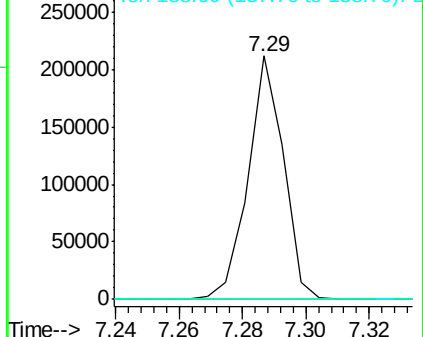
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 5.371 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.08 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

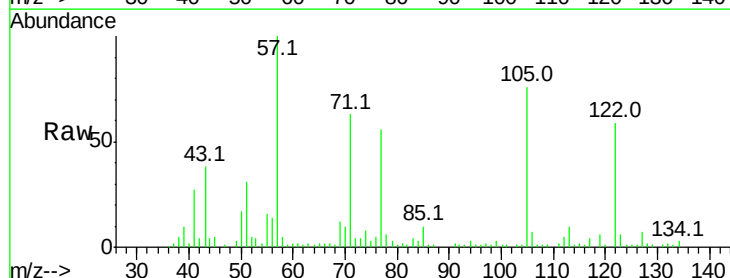
Tgt Ion: 122 Resp: 67803

Ion Ratio Lower Upper

122 100

107 2.2 91.2 136.8#

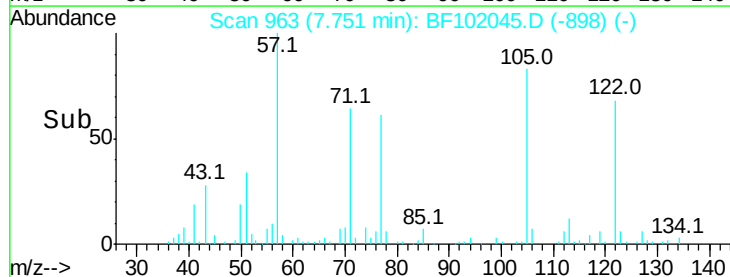
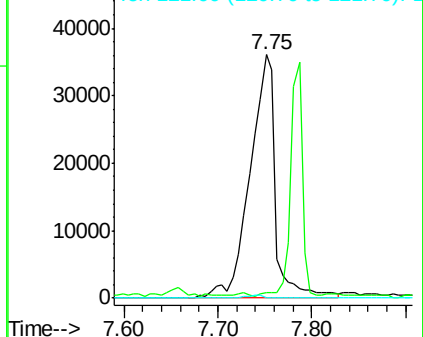
121 0.0 47.2 70.8#

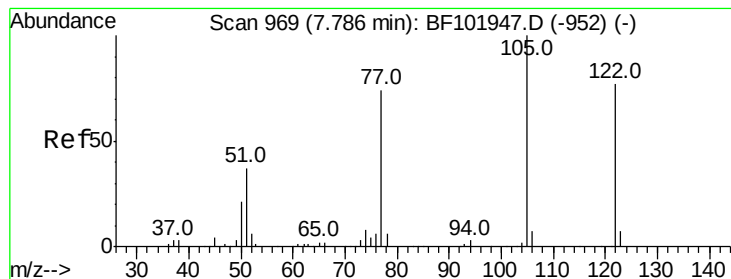


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 7.083 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.04 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampleId :

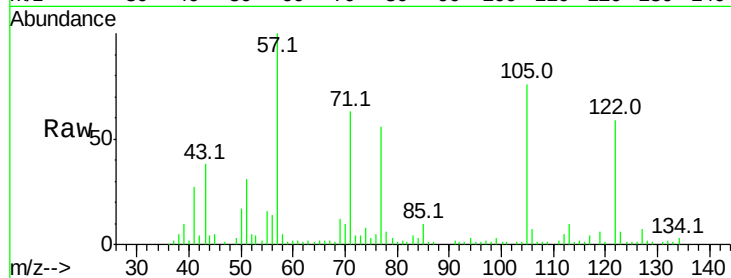
Tot Ion:122 Resp: 67803

Ion Ratio Lower Upper

122 100

105 127.7 101.1 141.1

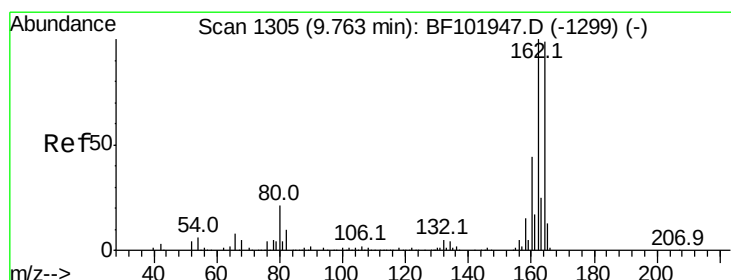
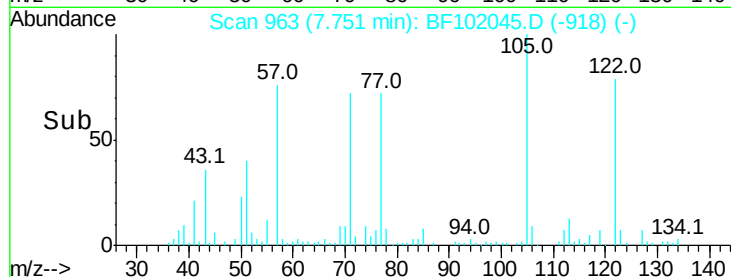
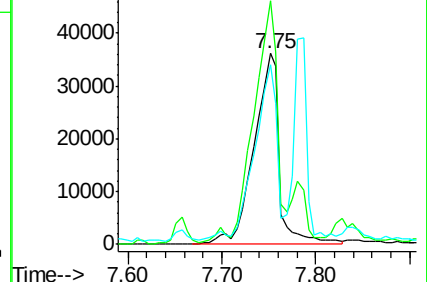
77 94.1 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

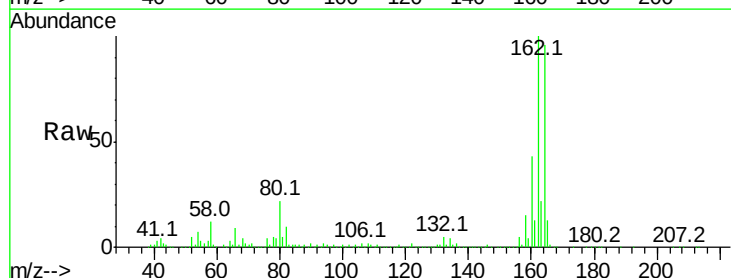
Tgt Ion:164 Resp: 382703

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

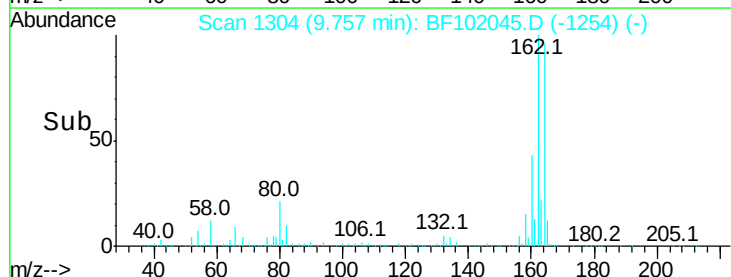
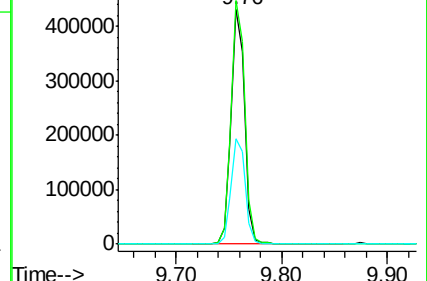
160 45.1 38.3 57.5

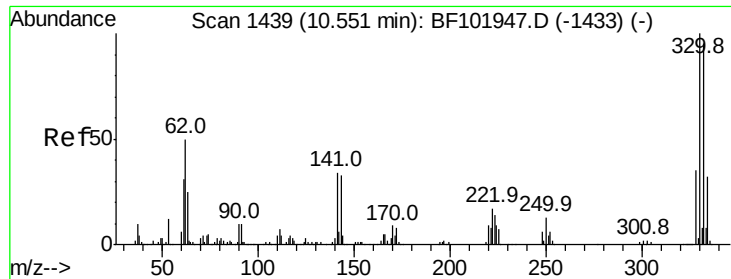


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

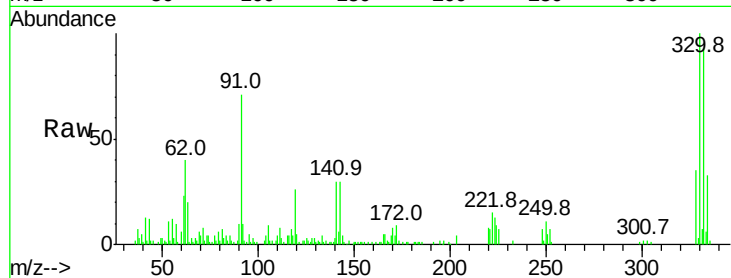




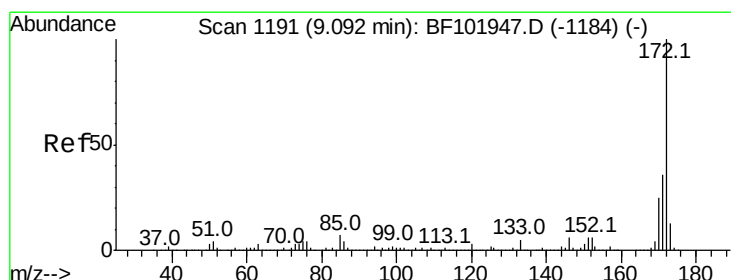
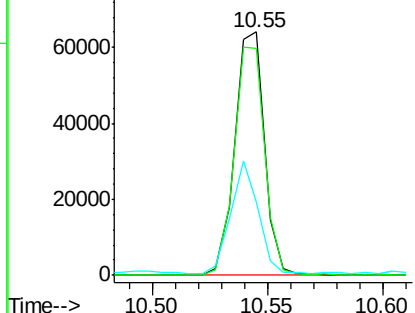
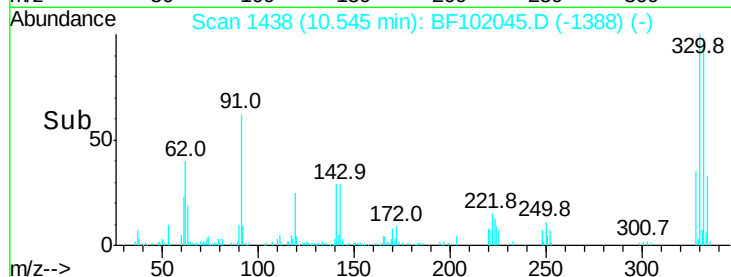
#41
 2,4,6-Tribromophenol
 Concen: 17.205 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 57460
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 42.3 29.9 44.9

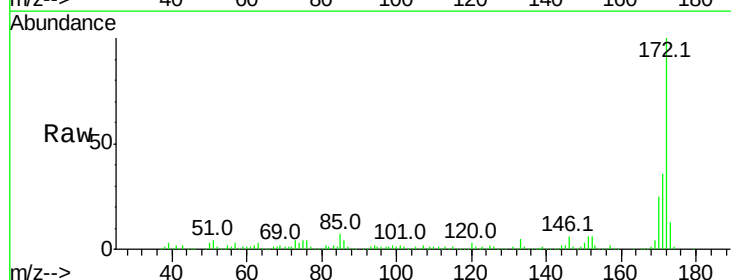


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

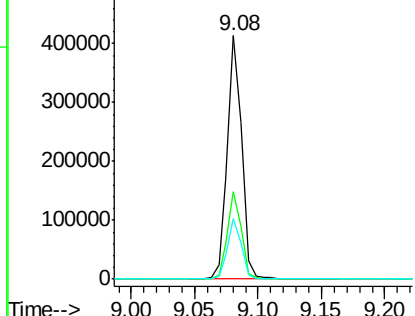
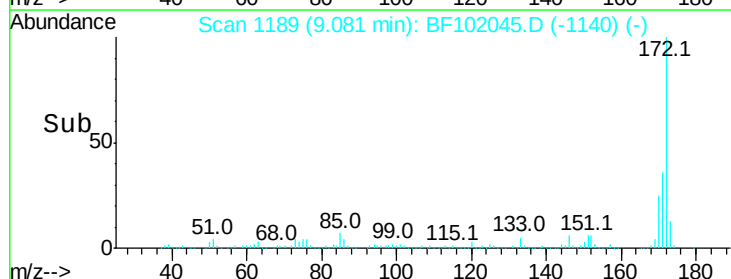


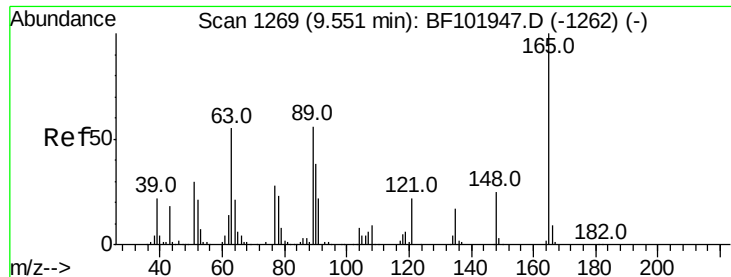
#44
 2-Fluorobiphenyl
 Concen: 13.333 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Tgt Ion:172 Resp: 326606
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.8 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

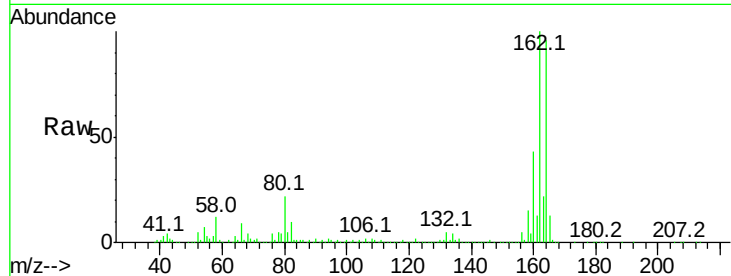




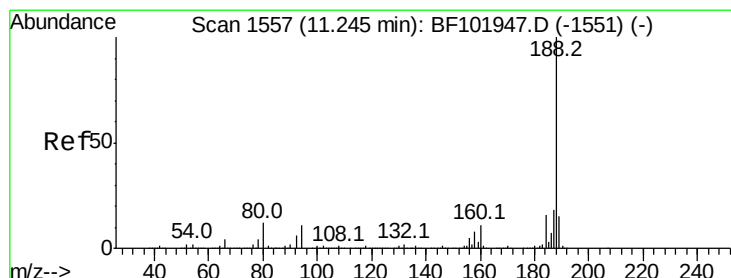
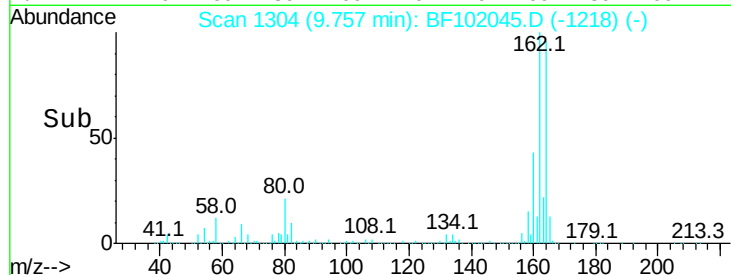
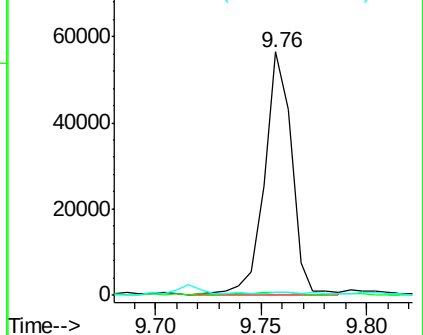
#50
 2,6-Dinitrotoluene
 Concen: 8.319 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 51018
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.4 44.0 66.0#

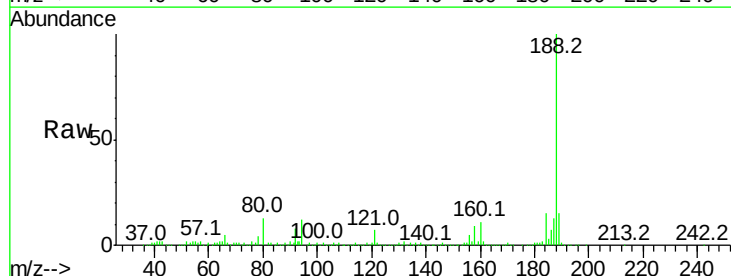


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

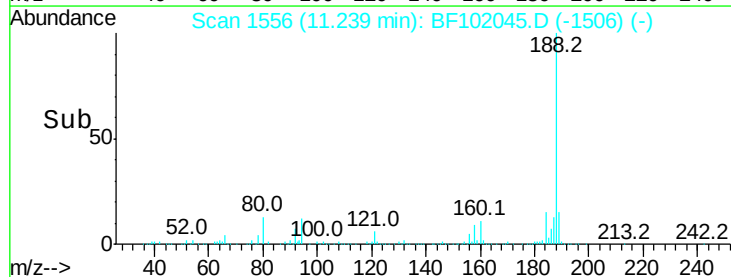
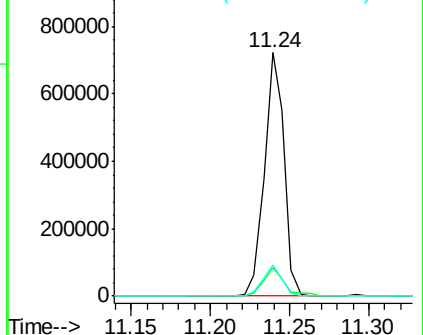


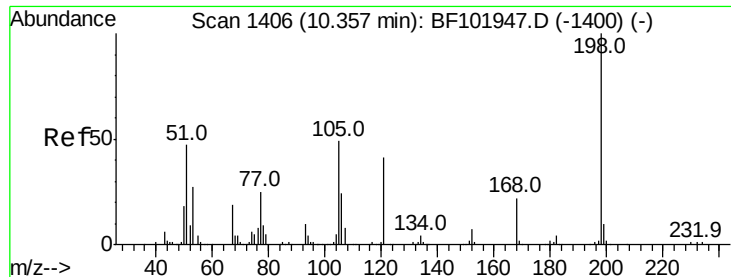
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Tgt Ion:188 Resp: 626815
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.9 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

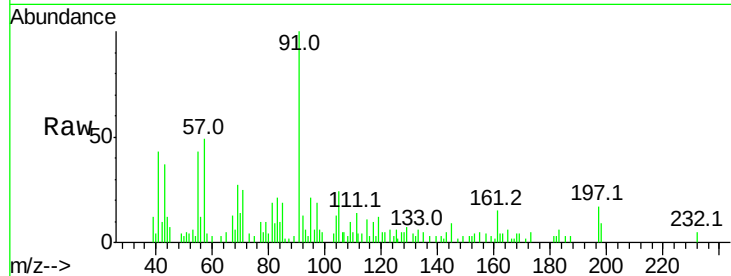




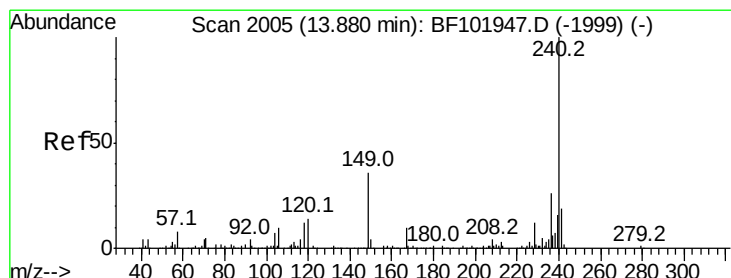
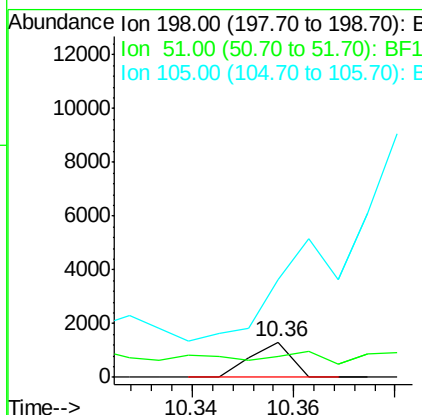
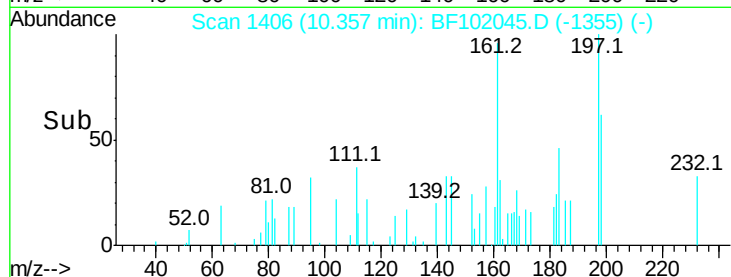
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.851 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 728
 Ion Ratio Lower Upper
 198 100
 51 58.7 37.7 77.7
 105 275.6 36.3 76.3#

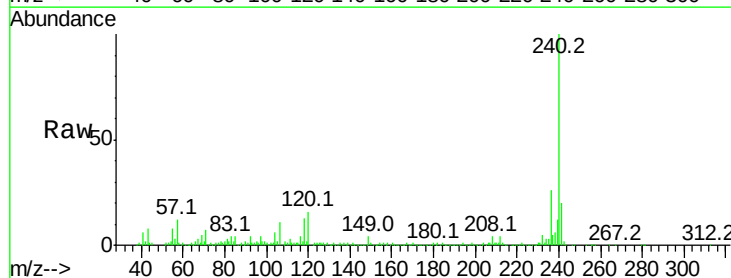


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

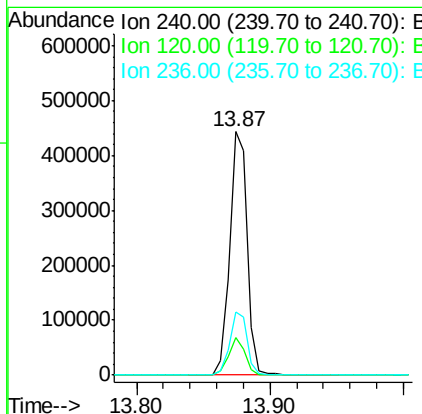
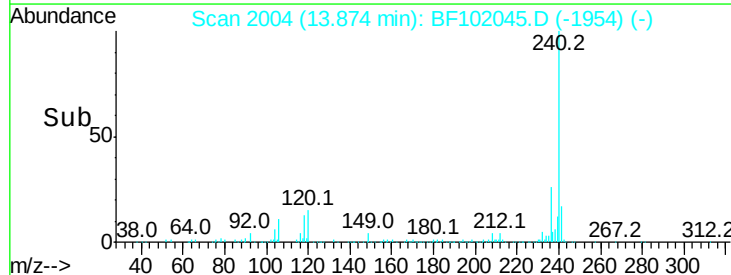


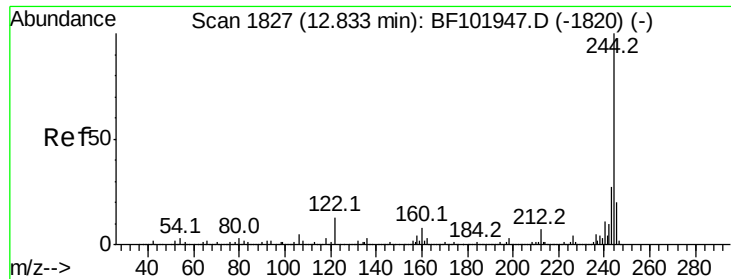
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF102045.D
 Acq: 12 Jan 2018 16:18

Tgt Ion:240 Resp: 411028
 Ion Ratio Lower Upper
 240 100
 120 15.6 9.5 14.3#
 236 25.8 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





#78

Terphenyl-d14

Concen: 13.102 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

Instrument :

BNA_F

ClientSampleId :

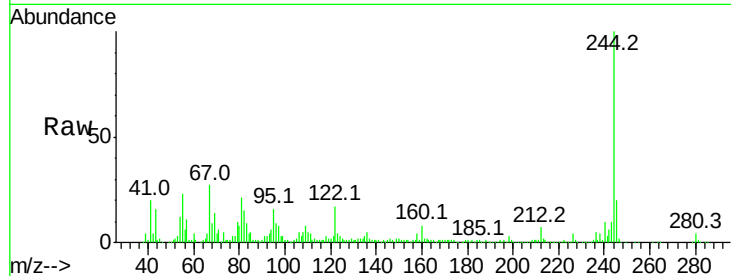
Tot Ion:244 Resp: 259376

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

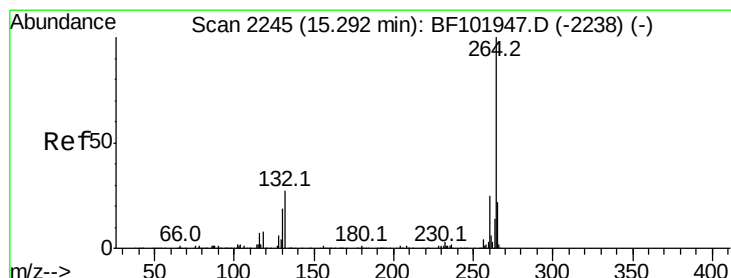
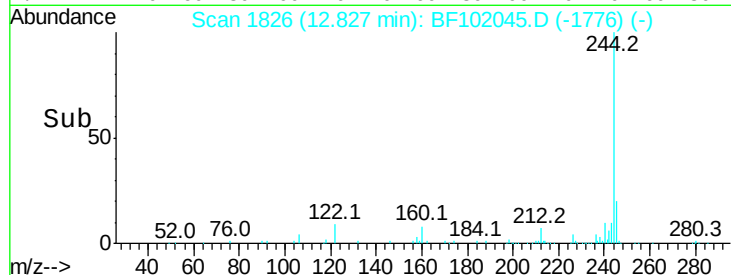
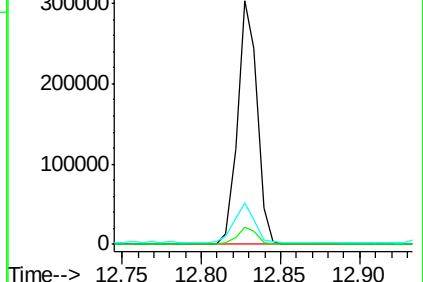
122 17.2 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102045.D

Acq: 12 Jan 2018 16:18

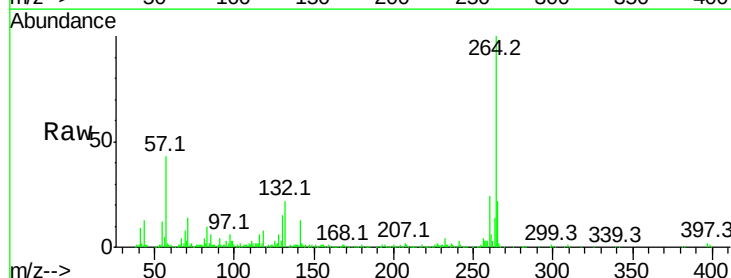
Tgt Ion:264 Resp: 327370

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.7 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

