

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102744.D
 Acq On : 5 Feb 2018 18:06
 Operator : SJ/JU
 Sample : J1453-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 00:41:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	205997	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	847874	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	369591	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	561872	20.00	ng	0.00
75) Chrysene-d12	14.04	240	359215	20.00	ng	-0.01
86) Perylene-d12	15.52	264	327993	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1621839	119.57	ng	0.01
7) Phenol-d6	6.51	99	1886463	115.50	ng	0.00
23) Nitrobenzene-d5	7.45	82	1192312	97.55	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	361926	121.66	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1879964	84.40	ng	0.00
78) Terphenyl-d14	12.99	244	1327098	87.48	ng	0.00

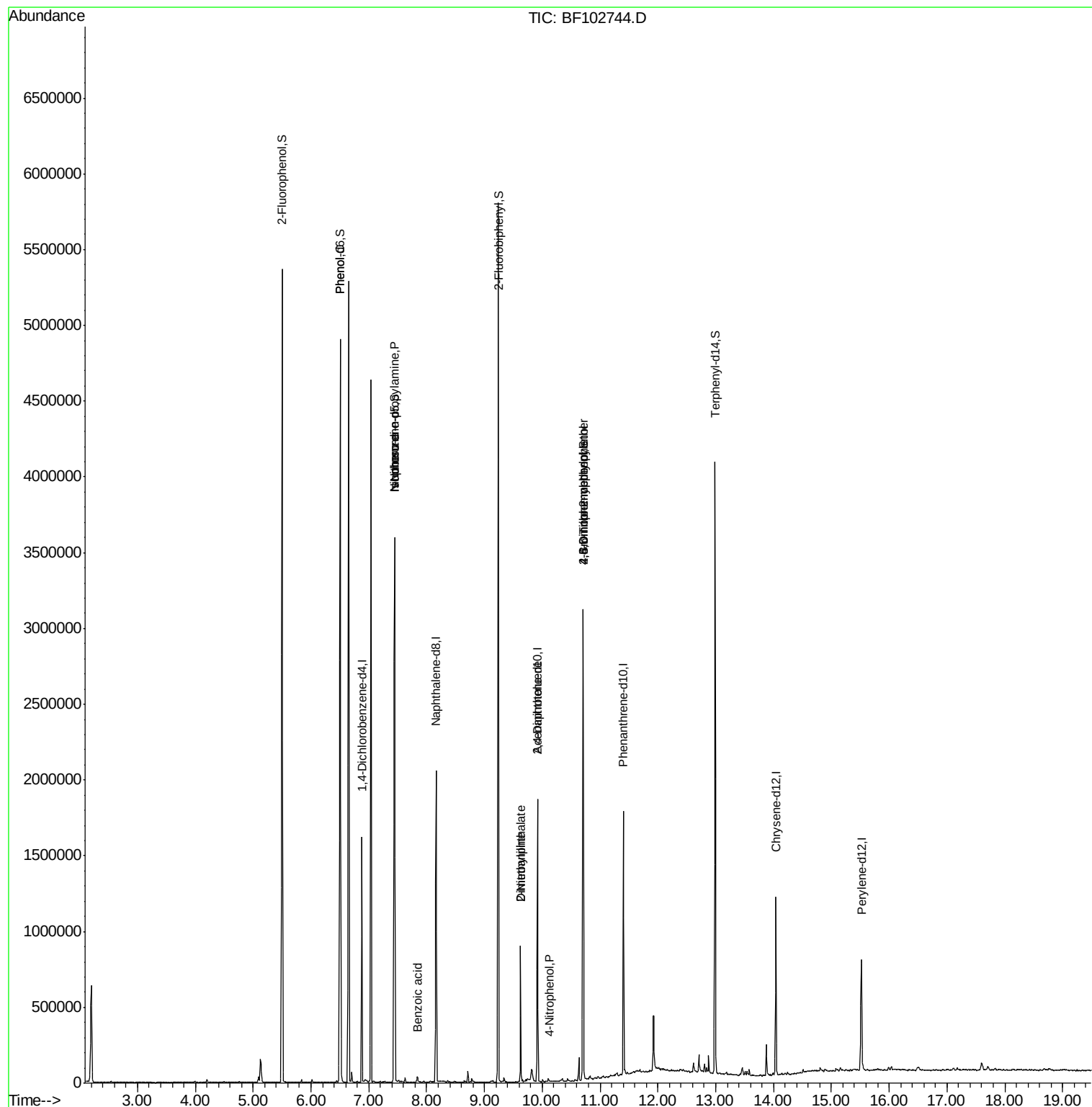
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	82179	4.695	ng	# 70
19) n-Nitroso-di-n-propylamine	7.45	70	160648	14.919	ng	# 81
25) Isophorone	7.45	82	1192290	42.364	ng	# 64
32) Benzoic acid	7.84	122	9445	9.628	ng	# 98
47) 2-Nitroaniline	9.63	65	3287	3.875	ng	# 1
49) Dimethylphthalate	9.63	163	311869	10.822	ng	# 99
55) 4-Nitrophenol	10.12	139	136	4.047	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	46959	9.053	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	768	9.096	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	23602	3.971	ng	# 1

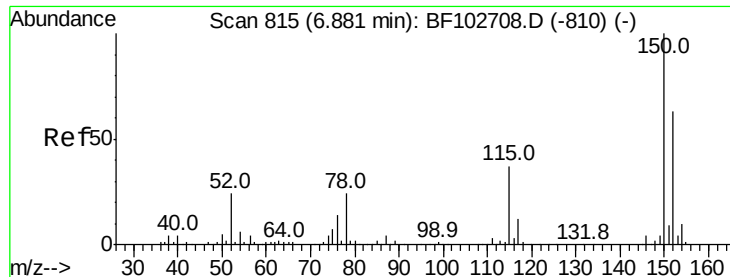
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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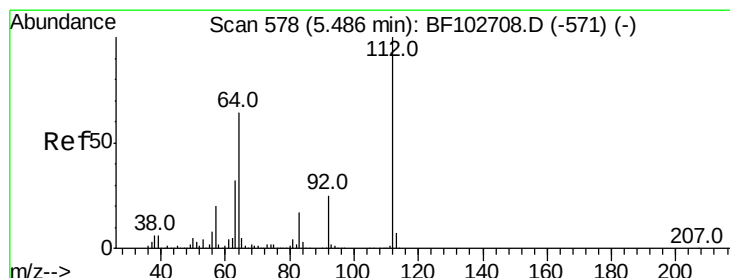
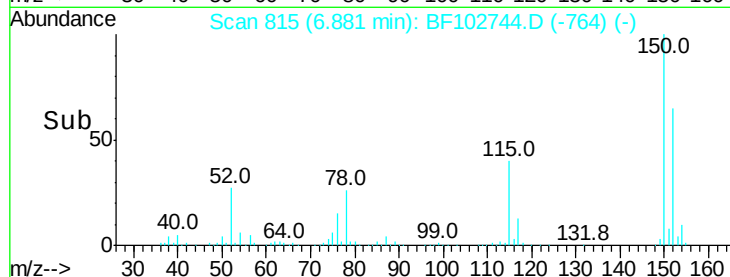
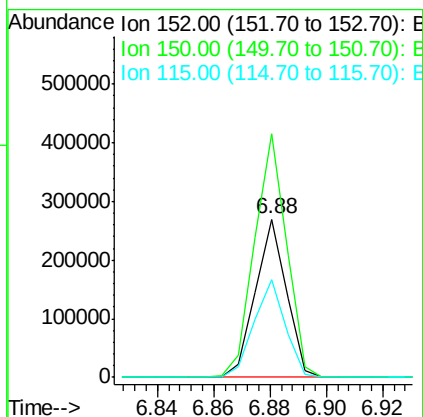
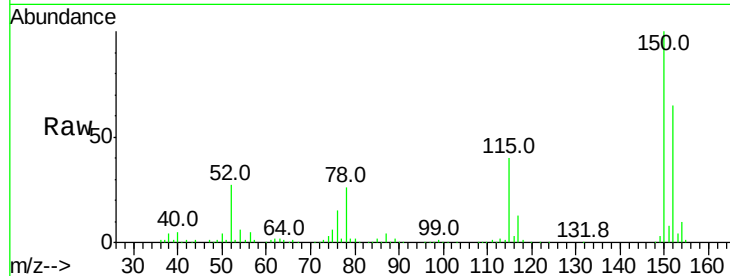


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Instrument :
BNA_F
ClientSampleId :

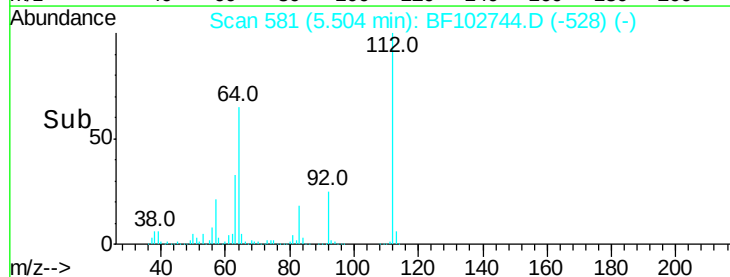
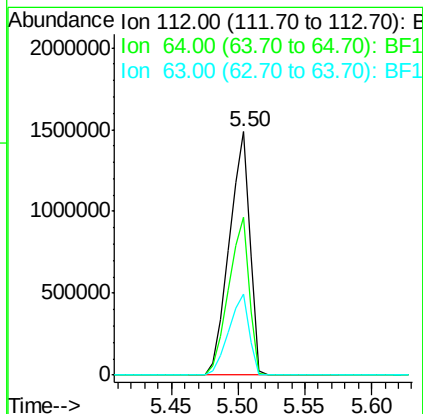
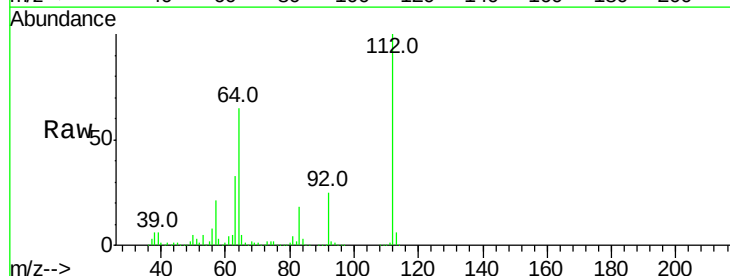
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	62.3	50.1	75.1

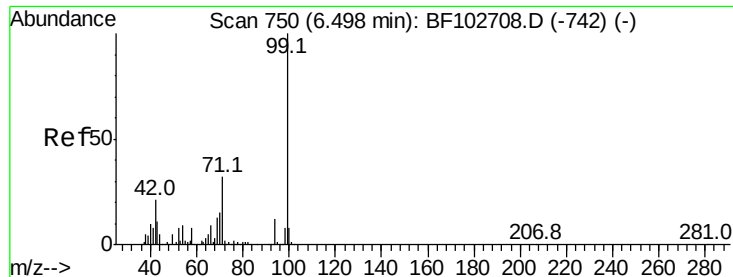


#5

2-Fluorophenol
Concen: 119.566 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	33.2	23.7	35.5





#7

Phenol-d6

Concen: 115.504 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

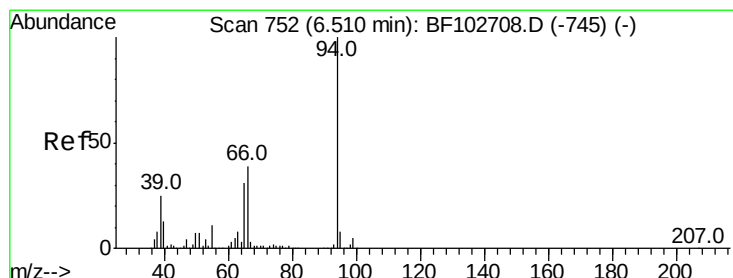
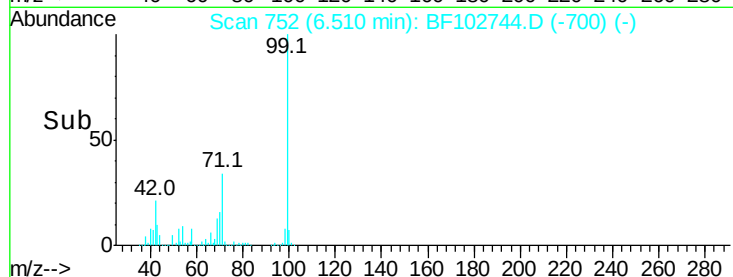
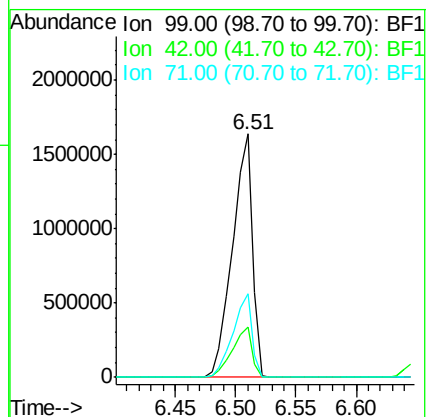
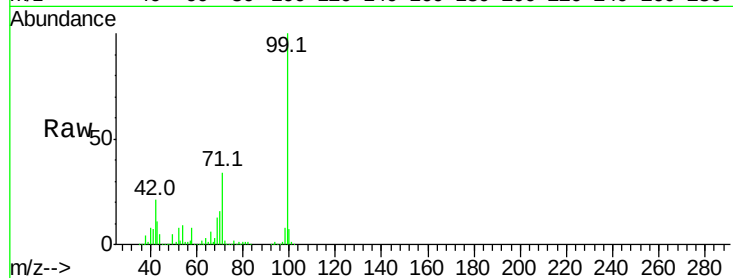
Tot Ion: 99 Resp: 1886463

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 34.4 25.4 38.0



#10

Phenol

Concen: 4.695 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

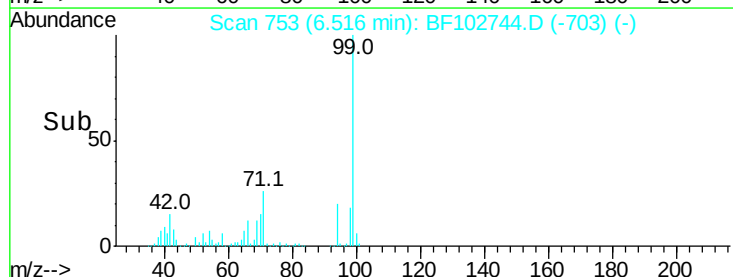
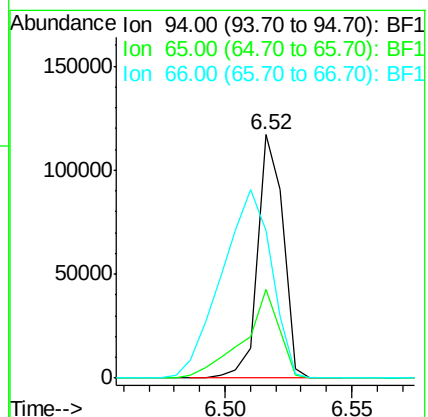
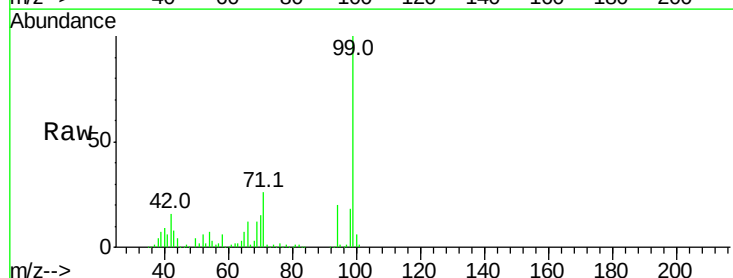
Tgt Ion: 94 Resp: 82179

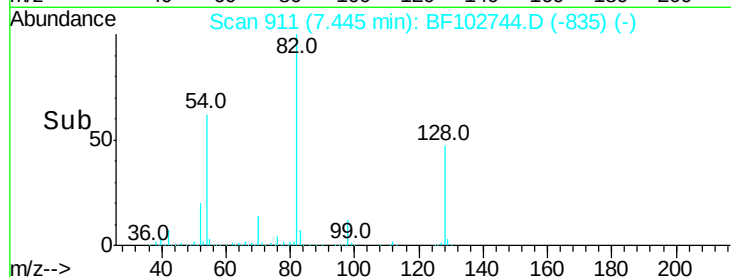
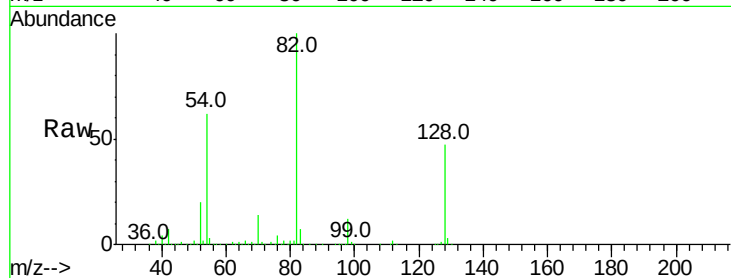
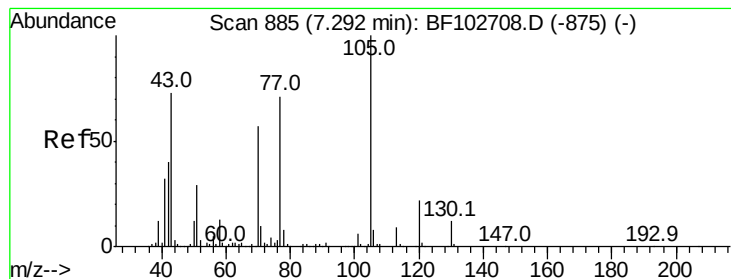
Ion Ratio Lower Upper

94 100

65 36.3 7.9 47.9

66 60.6 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 14.919 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 160648

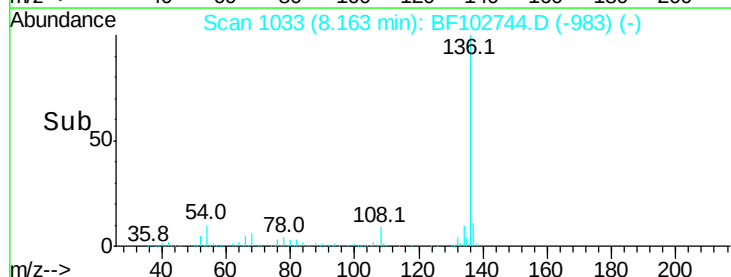
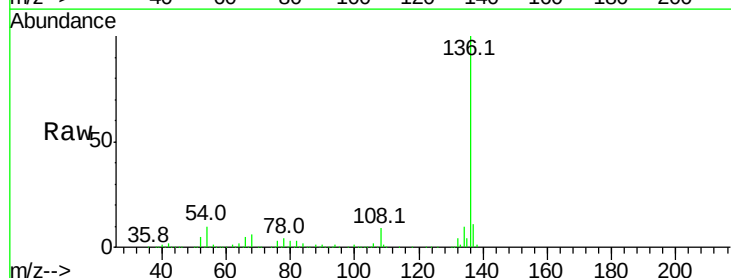
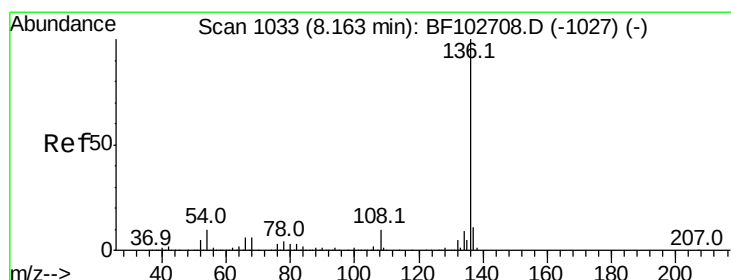
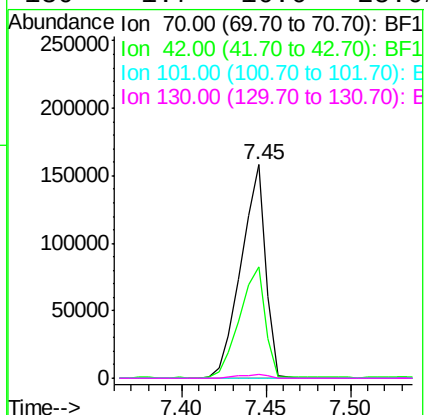
Ion Ratio Lower Upper

70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Tgt Ion:136 Resp: 847874

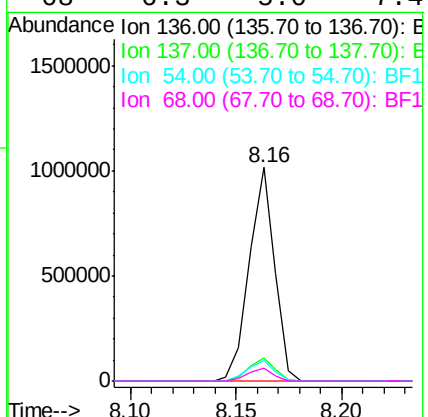
Ion Ratio Lower Upper

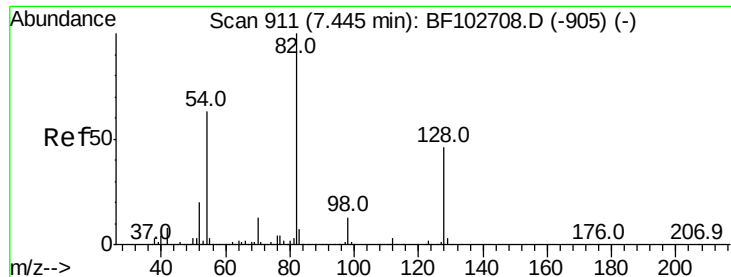
136 100

137 11.0 8.9 13.3

54 9.8 6.6 9.8

68 6.3 5.0 7.4

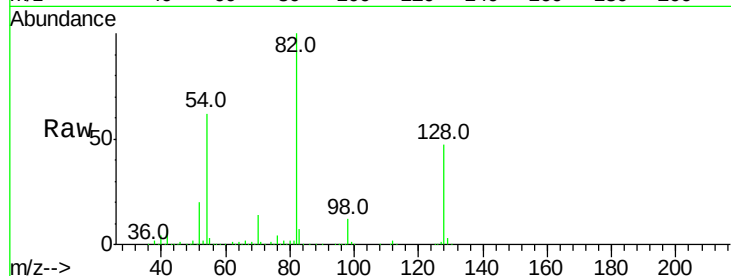




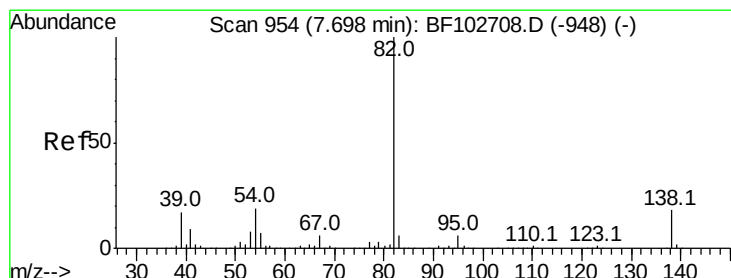
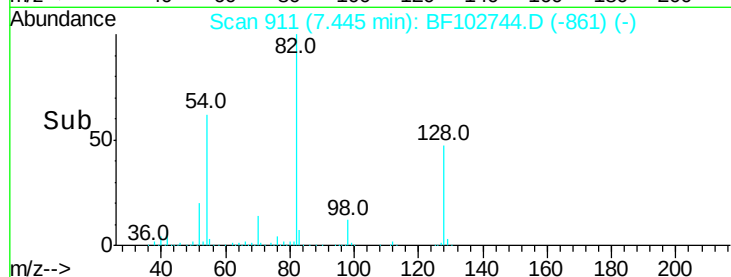
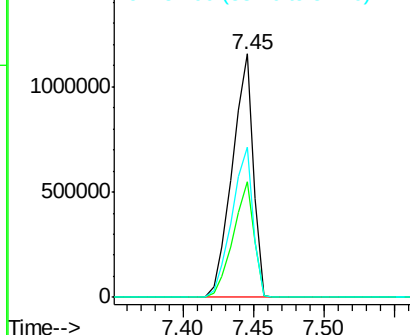
#23
Nitrobenzene-d5
Concen: 97.552 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1192312
Ion Ratio Lower Upper
82 100
128 47.4 36.1 54.1
54 61.9 41.4 62.2

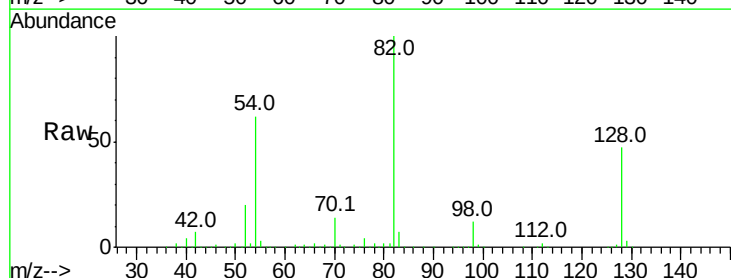


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

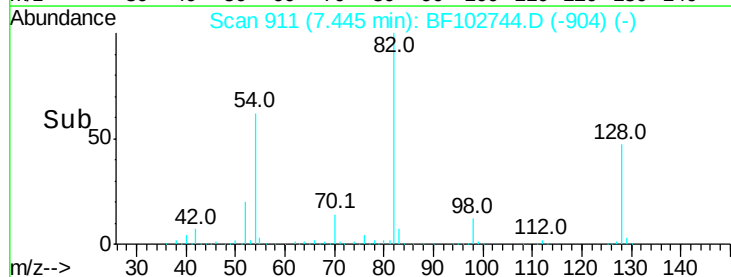
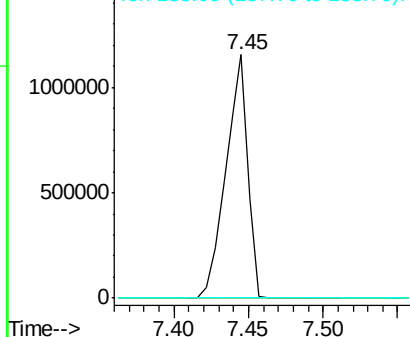


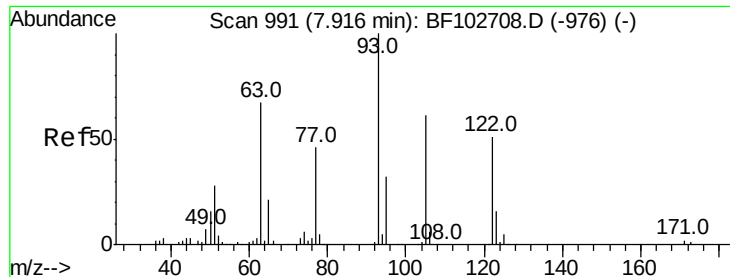
#25
Isophorone
Concen: 42.364 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Tgt Ion: 82 Resp: 1192290
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





#32

Benzoic acid

Concen: 9.628 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

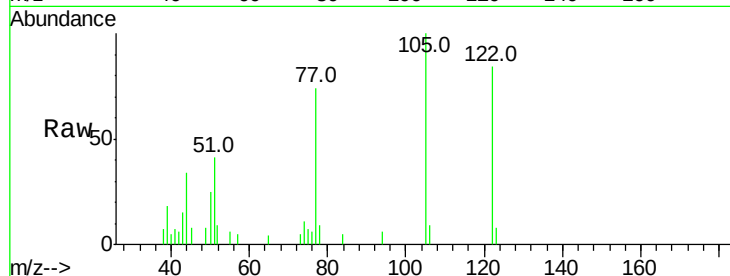
Tot Ion:122 Resp: 9445

Ion Ratio Lower Upper

122 100

105 119.2 101.1 141.1

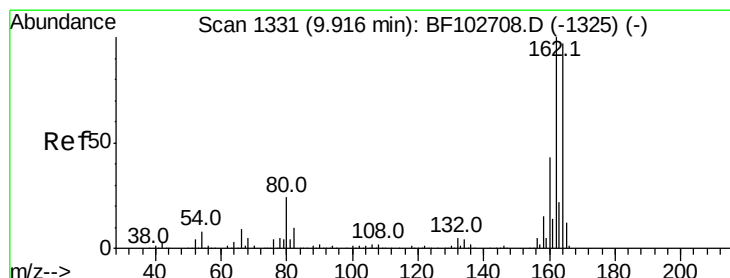
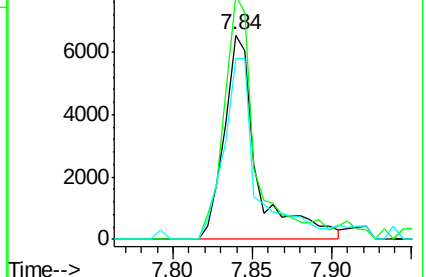
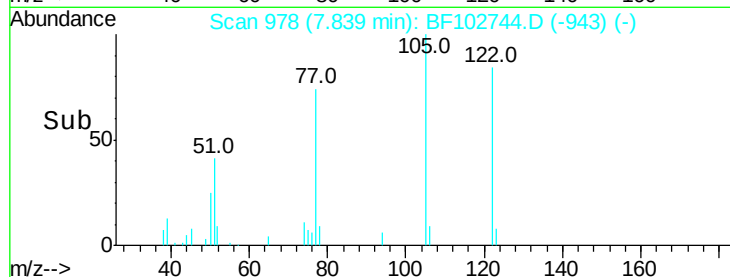
77 88.4 70.7 110.7



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

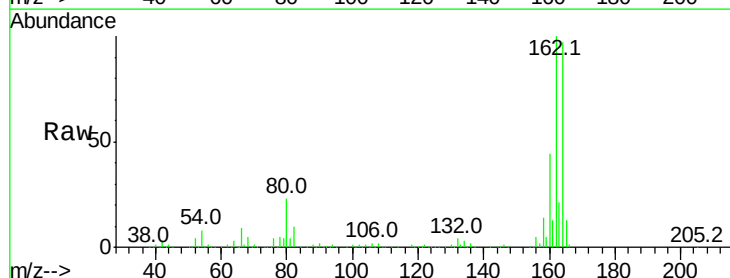
Tgt Ion:164 Resp: 369591

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

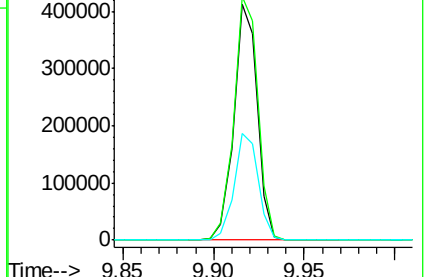
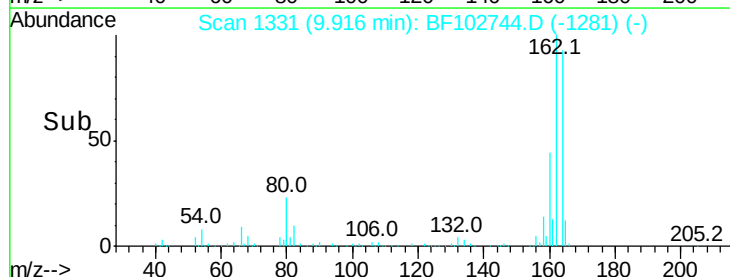
160 45.4 38.3 57.5

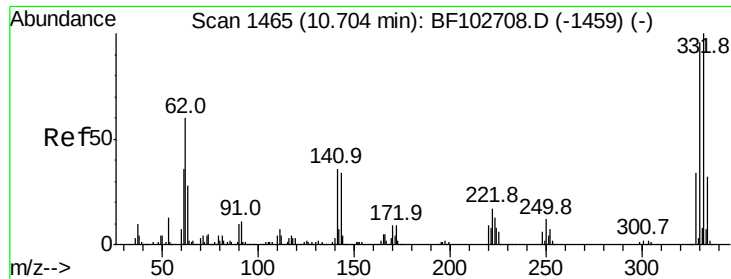


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 121.665 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

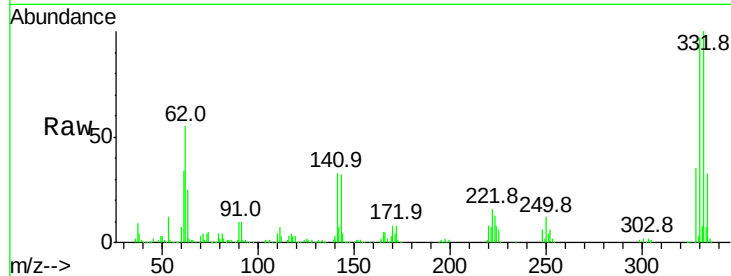
Tot Ion:330 Resp: 361926

Ion Ratio Lower Upper

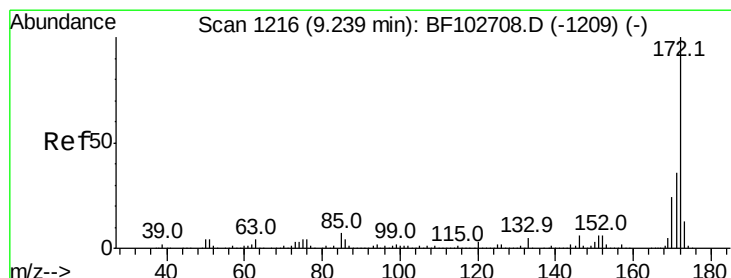
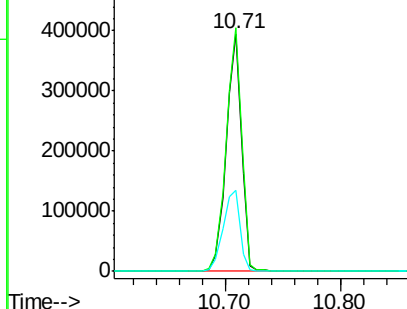
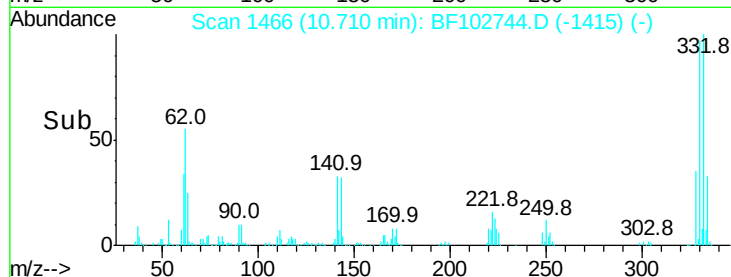
330 100

332 103.9 77.0 115.6

141 37.9 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: 84.405 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

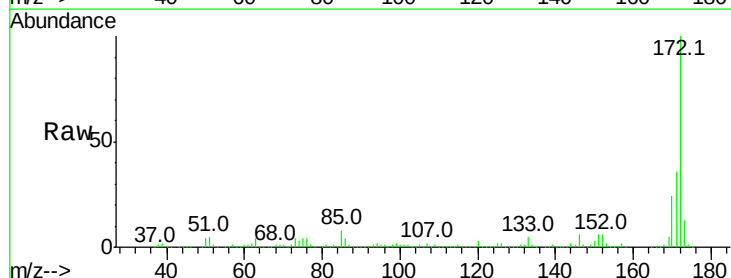
Tgt Ion:172 Resp: 1879964

Ion Ratio Lower Upper

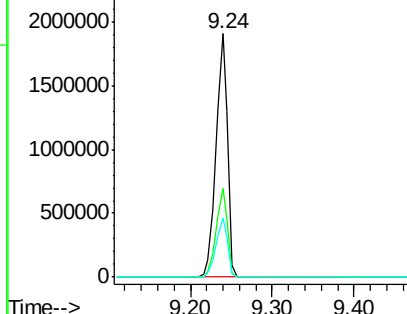
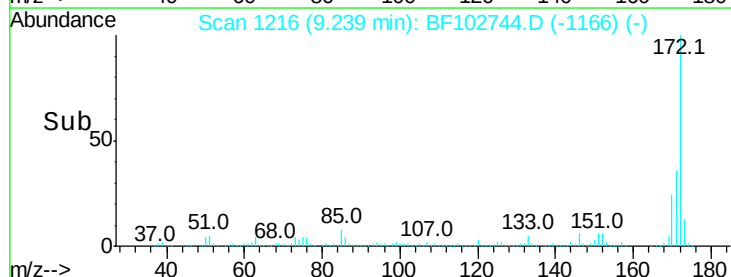
172 100

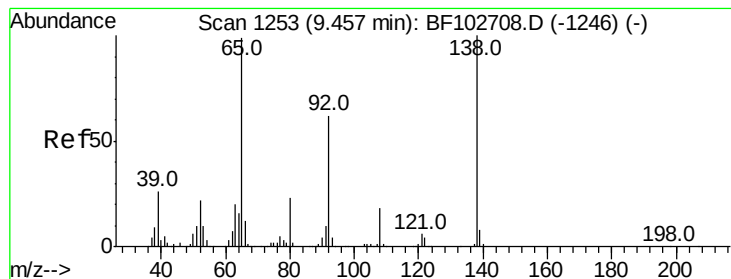
171 36.3 29.7 44.5

170 24.4 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





#47

2-Nitroaniline

Concen: 3.875 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

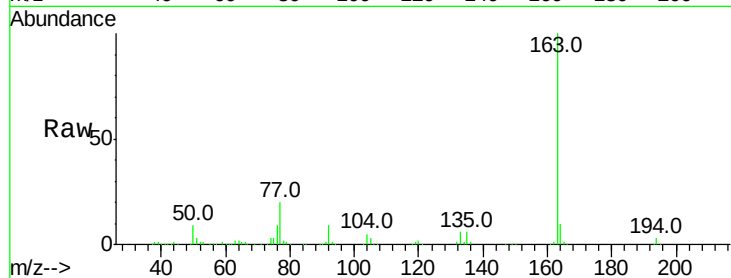
Tot Ion: 65 Resp: 3287

Ion Ratio Lower Upper

65 100

92 756.0 55.8 83.6#

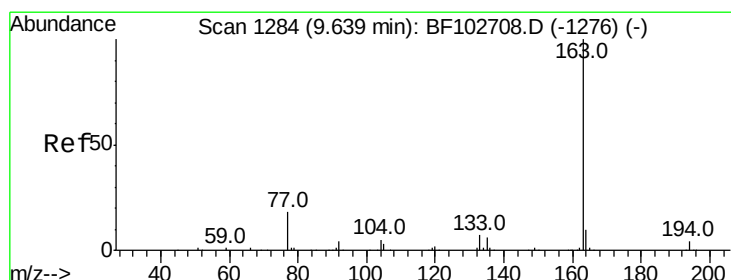
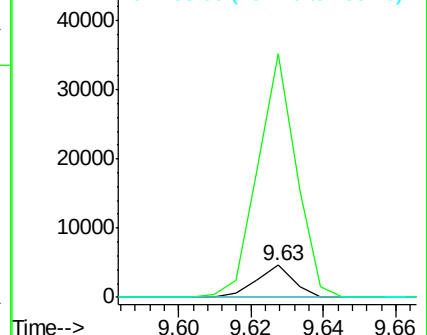
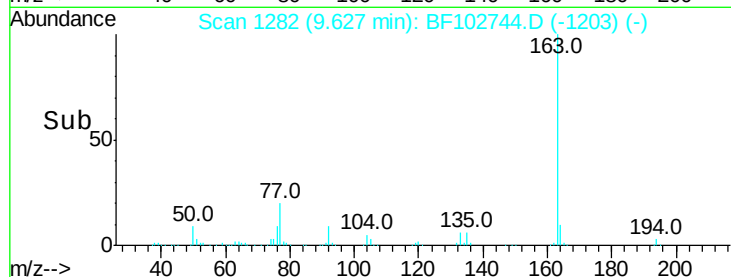
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 10.822 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

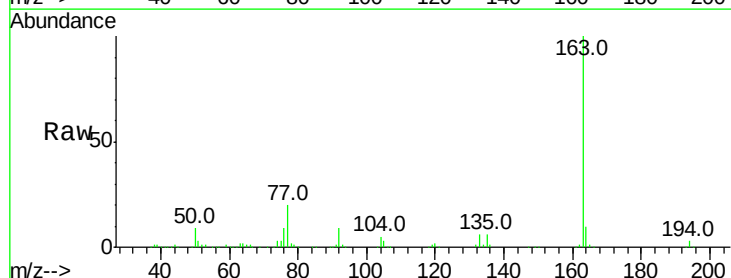
Tgt Ion:163 Resp: 311869

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

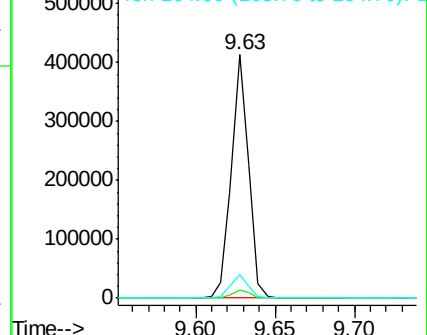
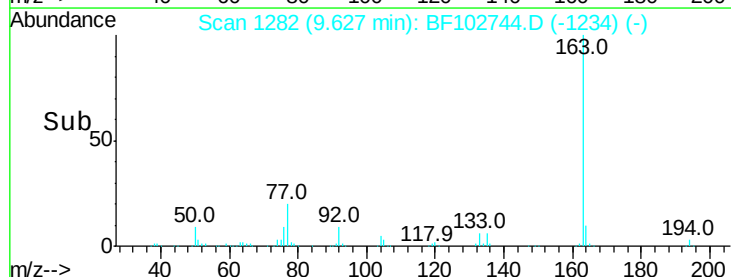
164 9.8 8.2 12.2

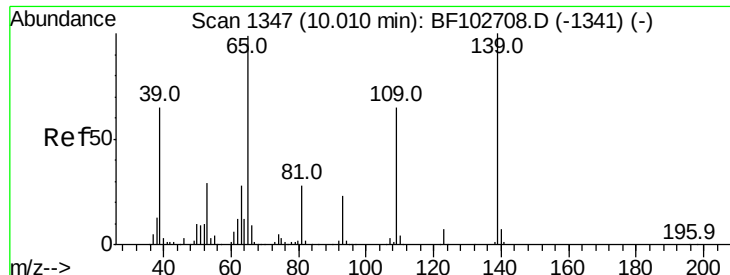


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

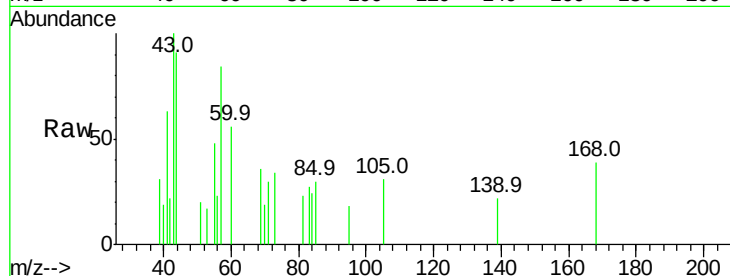




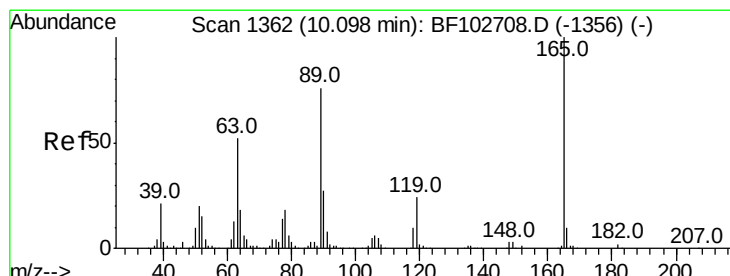
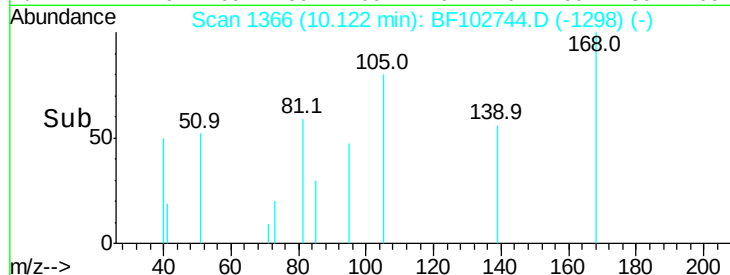
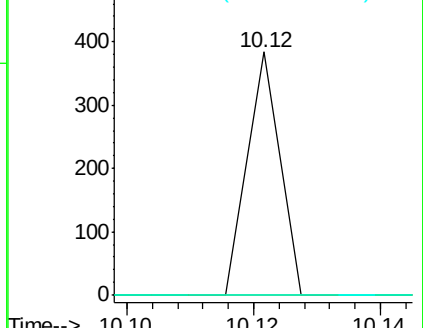
#55
4-Nitrophenol
Concen: 4.047 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 136
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

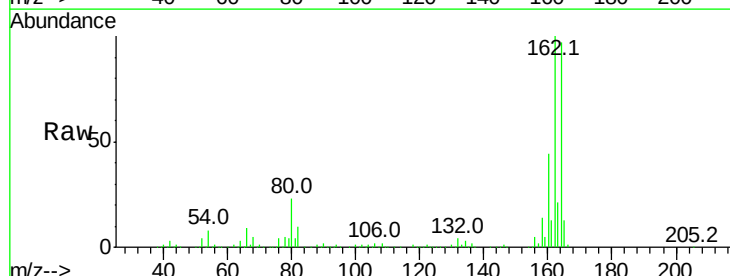


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

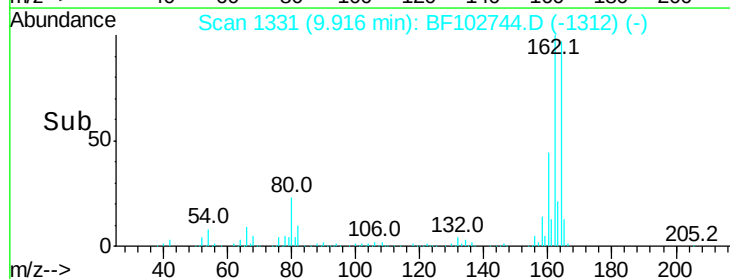
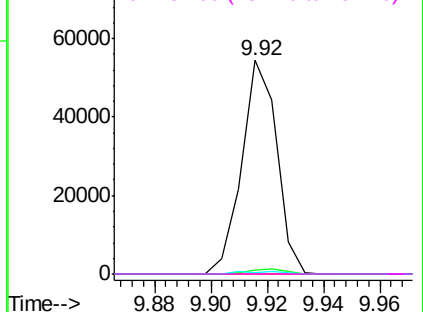


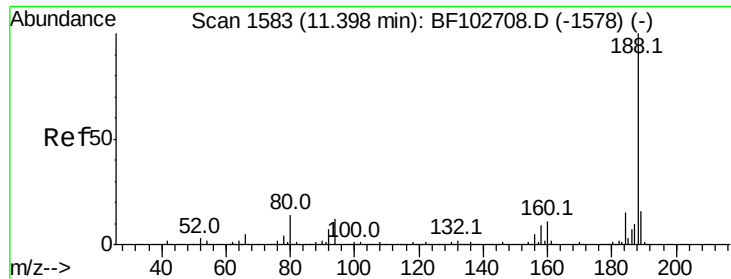
#56
2,4-Dinitrotoluene
Concen: 9.053 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Tgt Ion:165 Resp: 46959
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 0.9 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

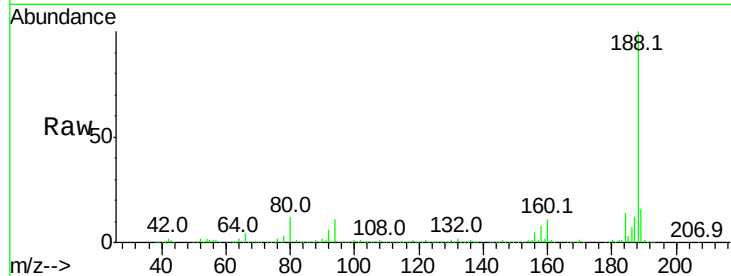




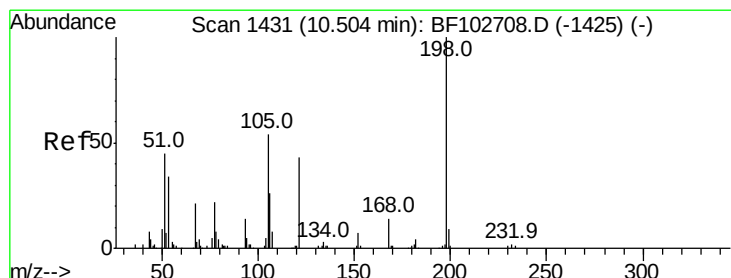
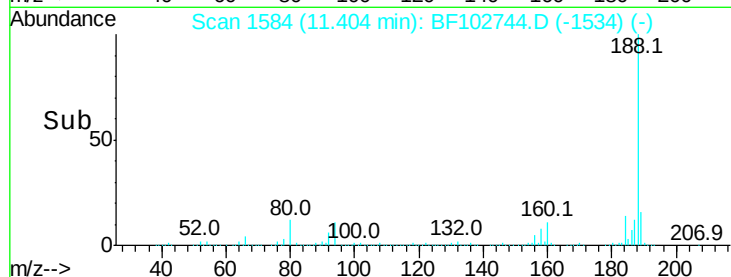
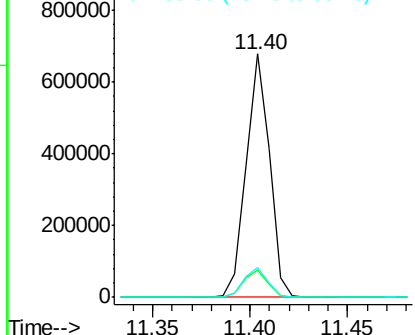
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 561872
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.1 9.2 13.8

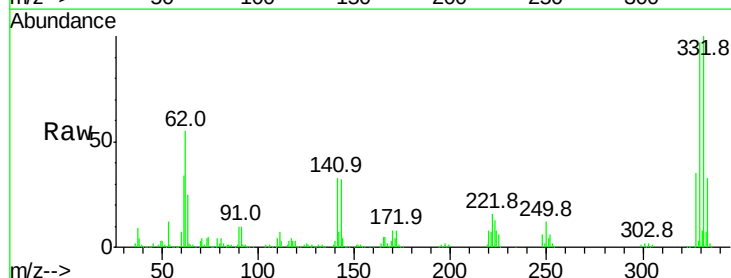


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

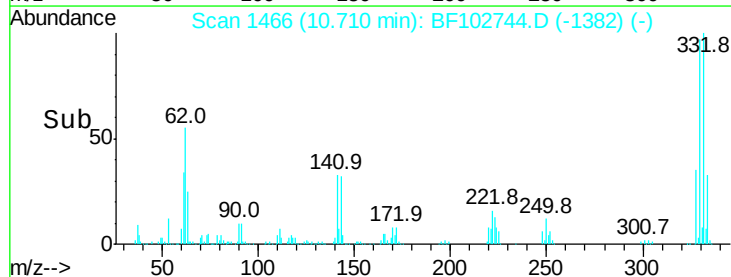
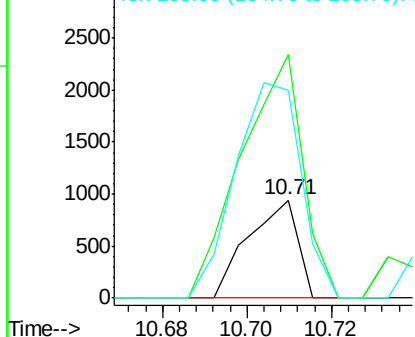


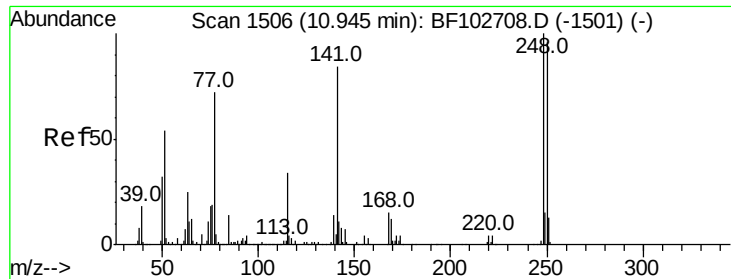
#64
4,6-Dinitro-2-methylphenol
Concen: 9.096 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Tgt Ion:198 Resp: 768
Ion Ratio Lower Upper
198 100
51 248.4 37.7 77.7#
105 212.4 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

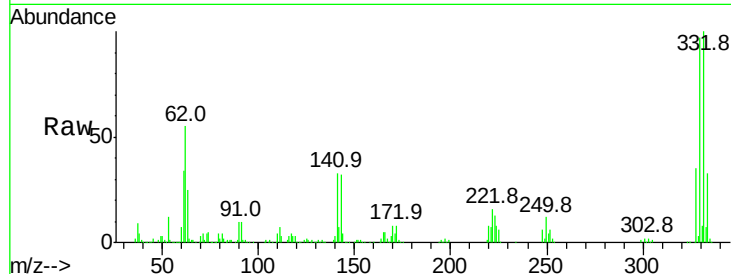




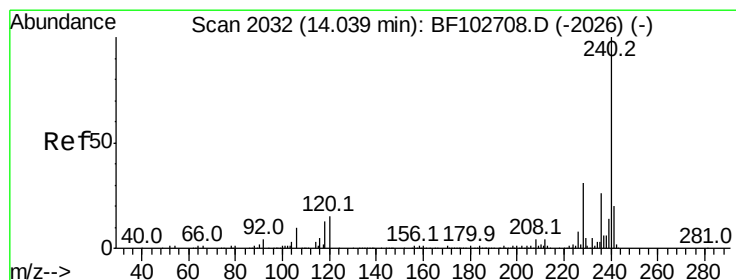
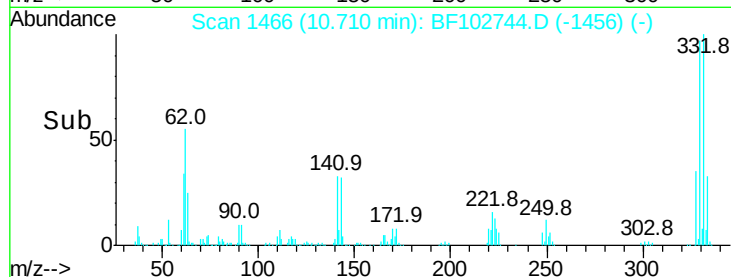
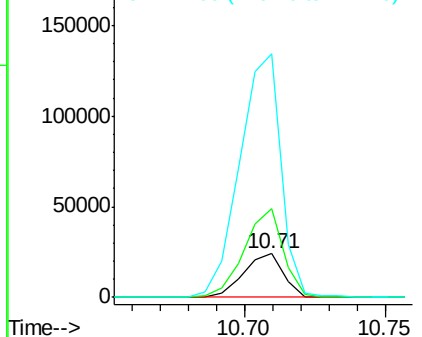
#66
4-Bromophenyl-phenylether
Concen: 3.971 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23602
Ion Ratio Lower Upper
248 100
250 205.5 76.9 115.3#
141 560.8 74.4 111.6#

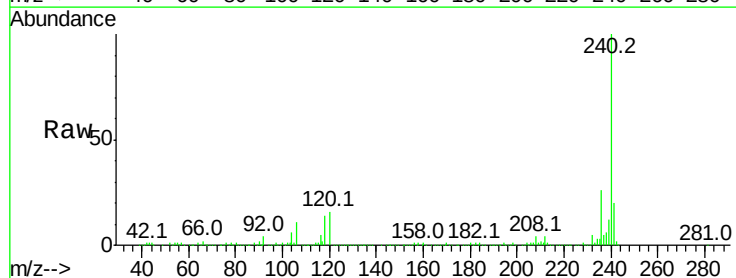


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

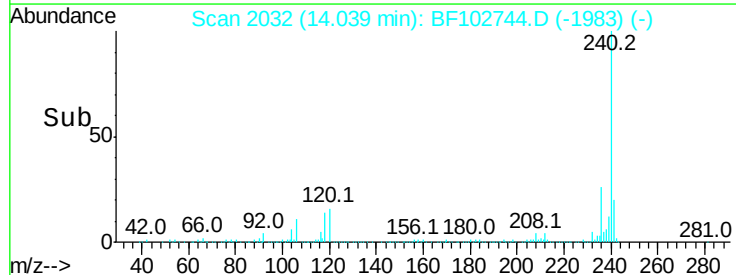
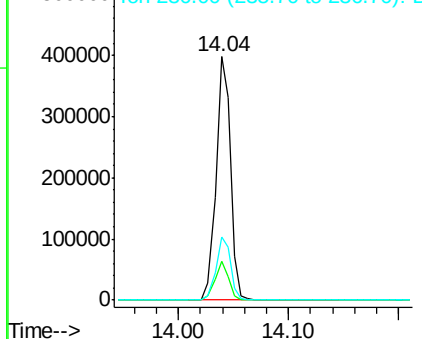


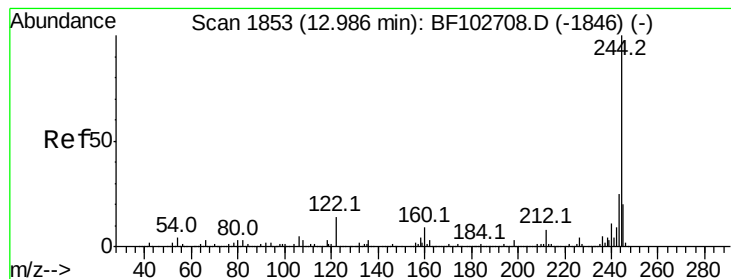
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102744.D
Acq: 5 Feb 2018 18:06

Tgt Ion:240 Resp: 359215
Ion Ratio Lower Upper
240 100
120 15.9 9.5 14.3#
236 26.2 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: 87.476 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

Instrument :

BNA_F

ClientSampleId :

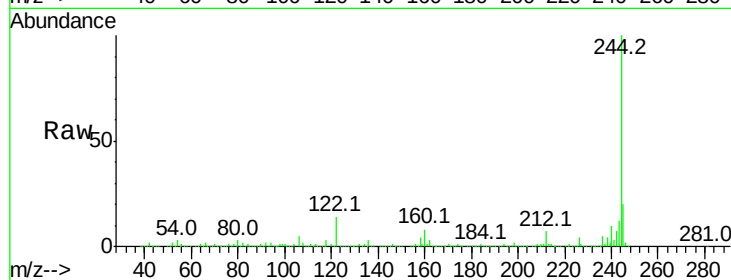
Tot Ion:244 Resp: 1327098

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

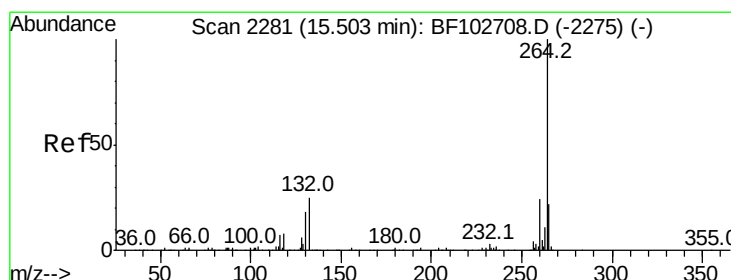
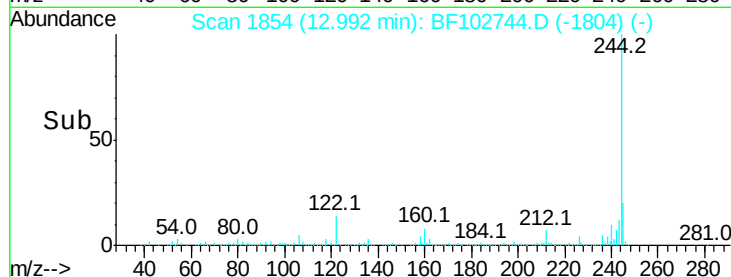
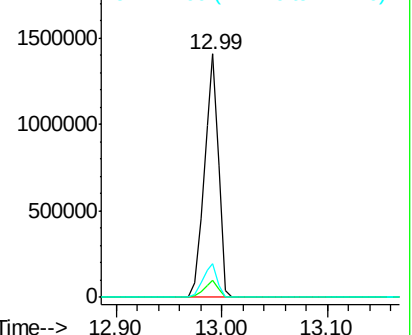
122 14.0 11.0 16.4



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: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102744.D

Acq: 5 Feb 2018 18:06

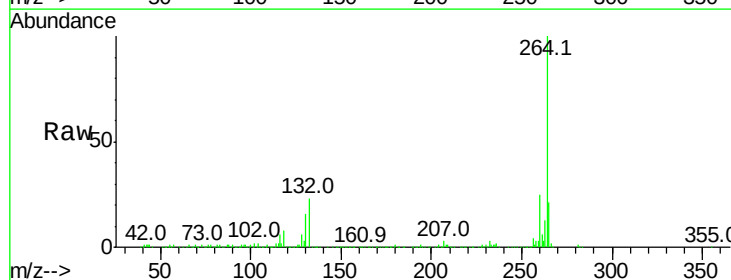
Tgt Ion:264 Resp: 327993

Ion Ratio Lower Upper

264 100

260 25.0 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

