

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103084.D
 Acq On : 19 Feb 2018 16:05
 Operator : SJ/JU
 Sample : J1606-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 17:03:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	180969	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	736628	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	319445	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	490038	20.00	ng	0.00
75) Chrysene-d12	14.04	240	298704	20.00	ng	-0.01
86) Perylene-d12	15.54	264	318358	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1160021	97.35	ng	0.01
7) Phenol-d6	6.51	99	1407395	98.09	ng	0.00
23) Nitrobenzene-d5	7.44	82	907561	85.47	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	276373	107.49	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1356879	70.48	ng	0.00
78) Terphenyl-d14	12.99	244	927356	73.51	ng	0.00

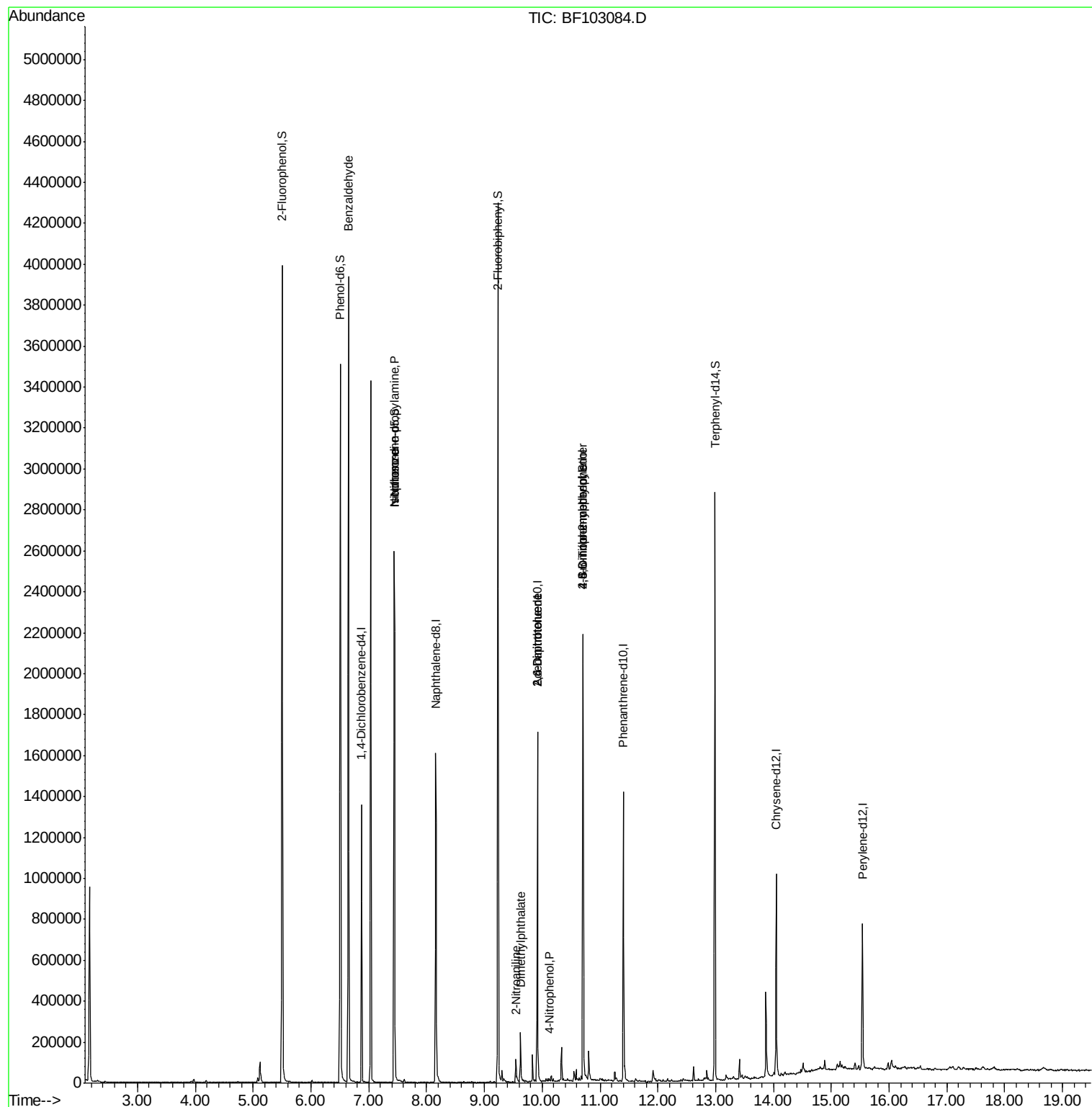
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	24460	2.296	ng	83
19) n-Nitroso-di-n-propylamine	7.44	70	121393	12.832	ng	# 82
25) Isophorone	7.44	82	907544	37.116	ng	# 64
47) 2-Nitroaniline	9.55	65	1160	3.637	ng	# 22
49) Dimethylphthalate	9.62	163	87935	3.530	ng	# 98
50) 2,6-Dinitrotoluene	9.92	165	41147	8.683	ng	# 26
55) 4-Nitrophenol	10.12	139	123	4.048	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	41147	9.135	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	572	9.052	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	17518	3.379	ng	# 1

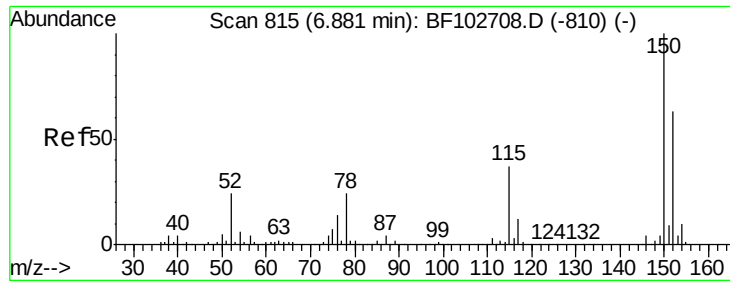
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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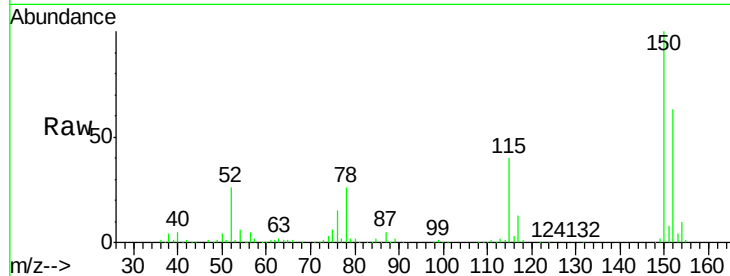


#1

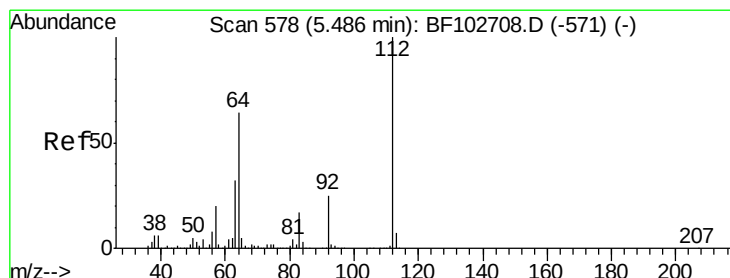
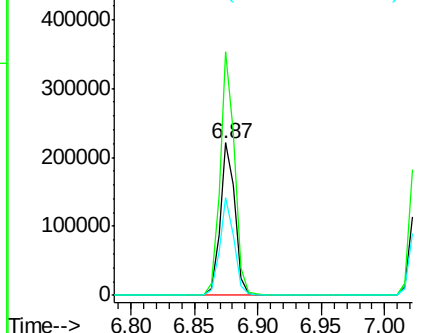
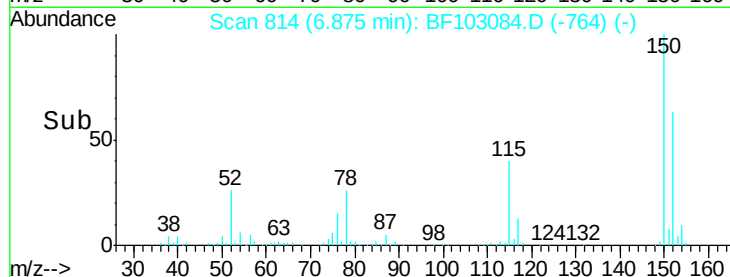
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 180969
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 64.2 50.1 75.1



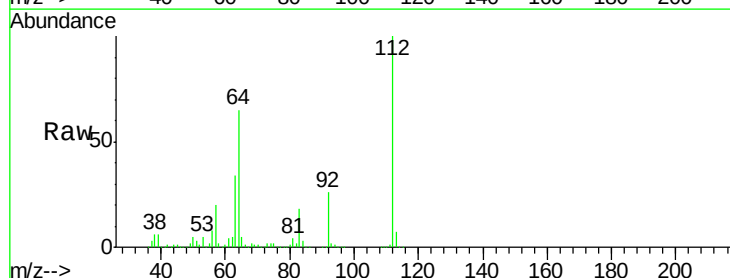
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



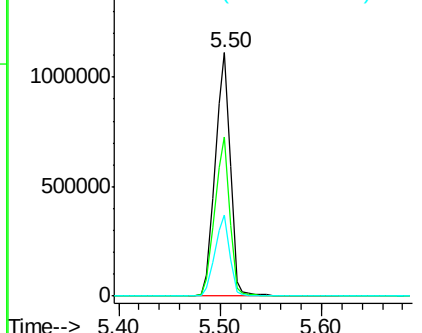
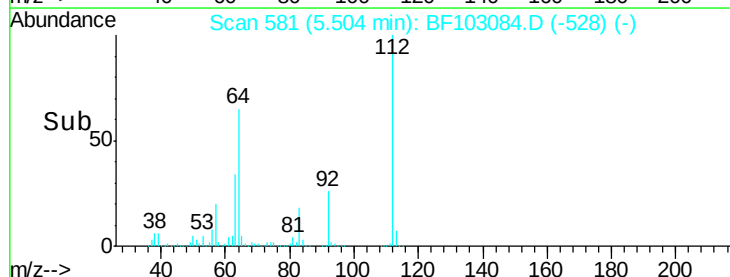
#5

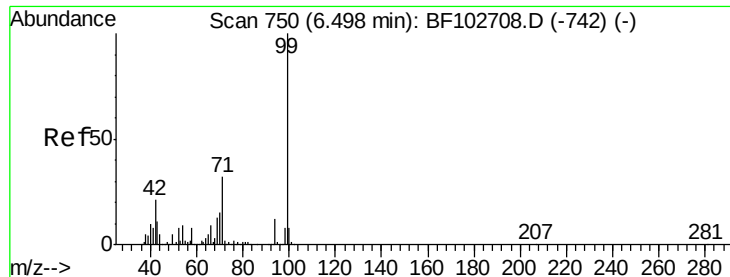
2-Fluorophenol
Concen: 97.347 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Tgt Ion:112 Resp: 1160021
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.5 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: 98.090 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

Instrument :

BNA_F

ClientSampleId :

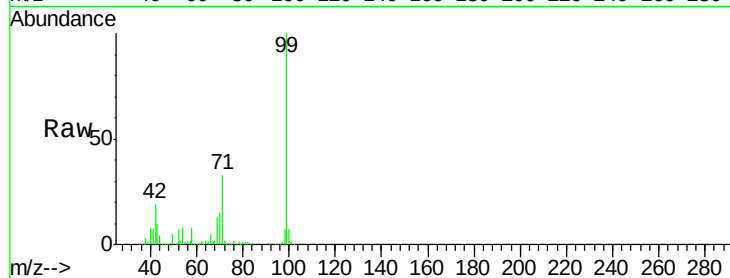
Tot Ion: 99 Resp: 1407395

Ion Ratio Lower Upper

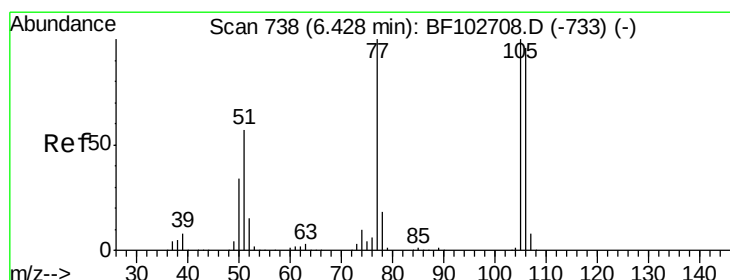
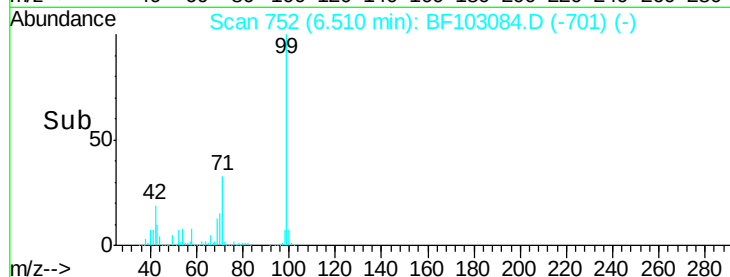
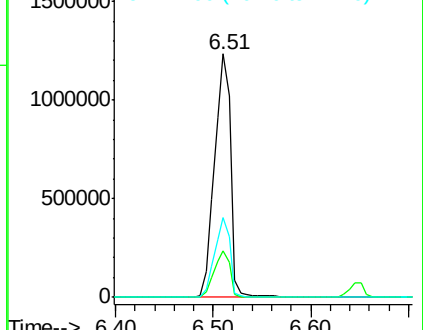
99 100

42 19.3 14.5 21.7

71 32.6 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: 2.296 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

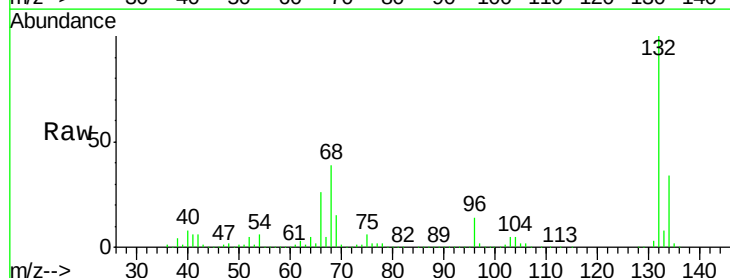
Tgt Ion: 77 Resp: 24460

Ion Ratio Lower Upper

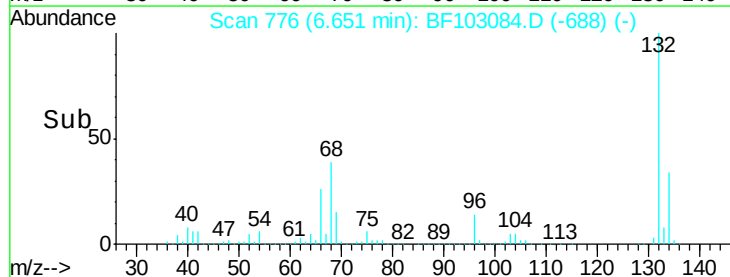
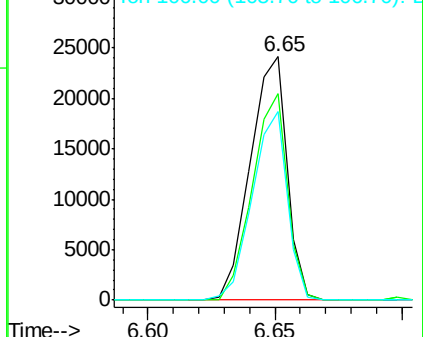
77 100

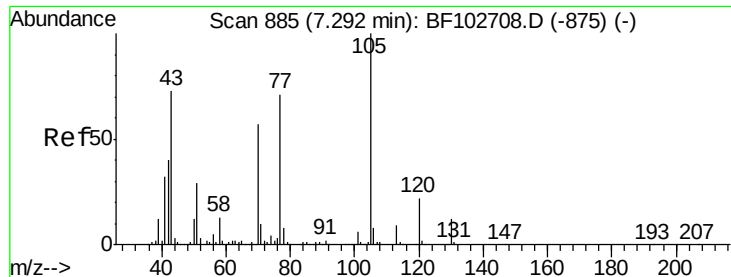
105 84.9 81.1 121.1

106 77.6 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

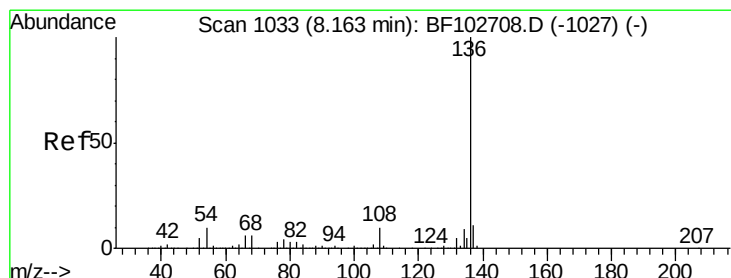
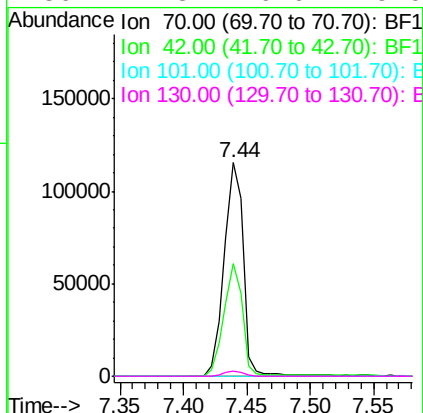
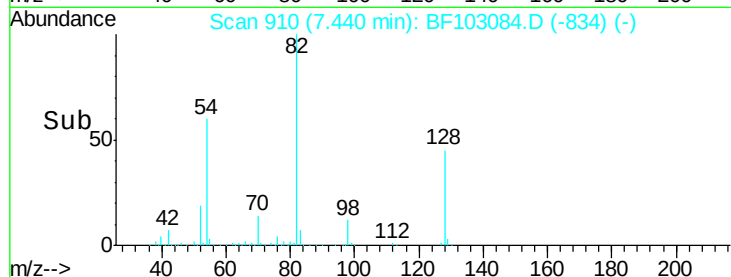
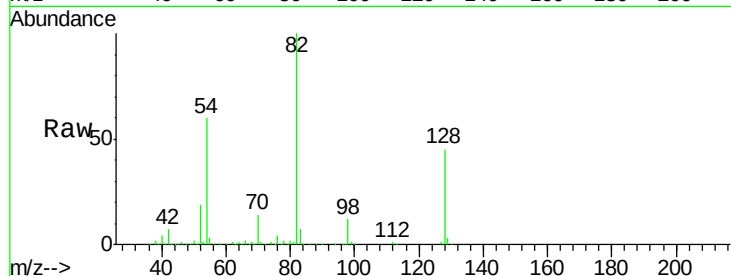




#19
n-Nitroso-di-n-propylamine
Concen: 12.832 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

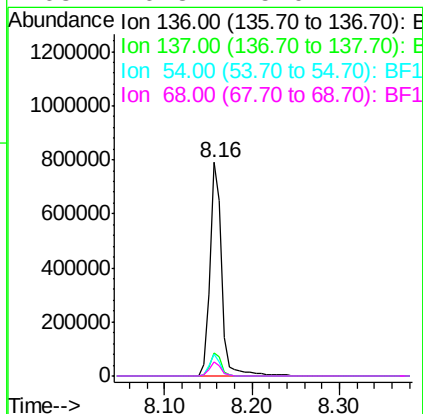
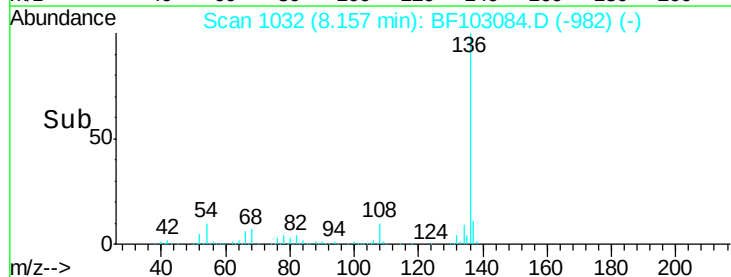
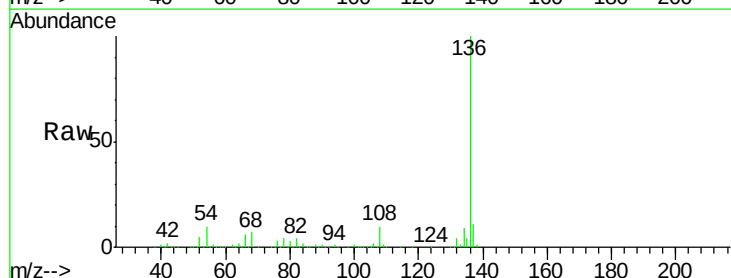
Instrument :
BNA_F
ClientSampleId :

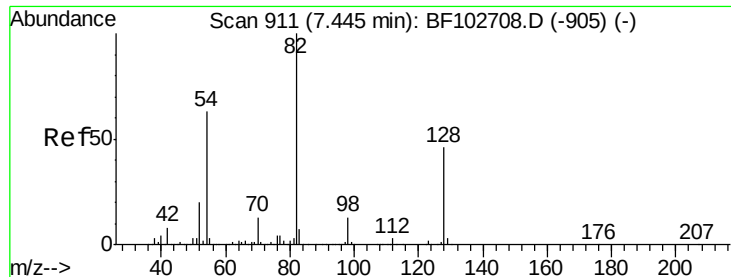
Tot Ion: 70 Resp: 121393
Ion Ratio Lower Upper
70 100
42 52.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Tgt Ion: 136 Resp: 736628
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.2 6.6 9.8#
68 6.8 5.0 7.4

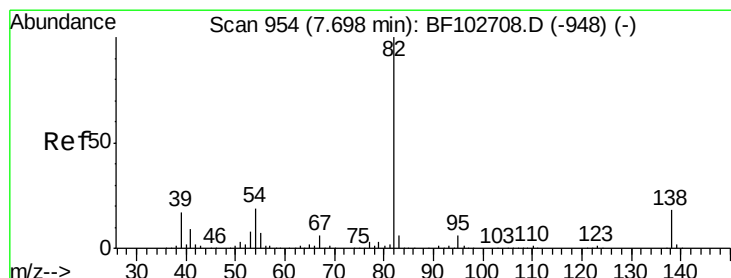
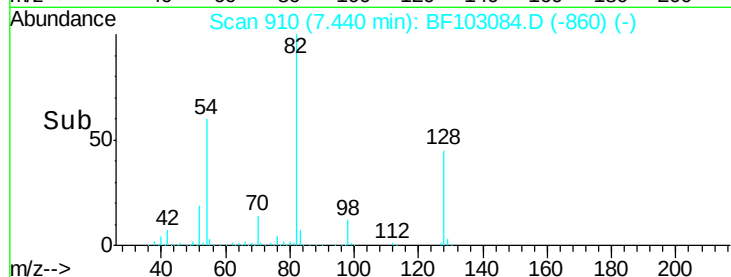
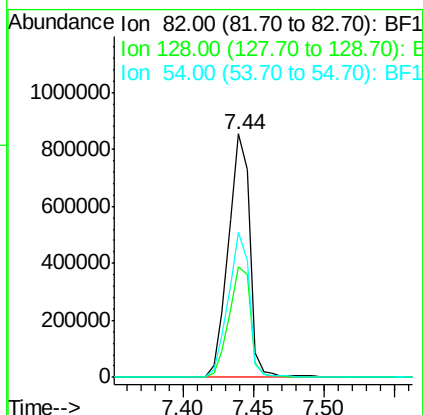
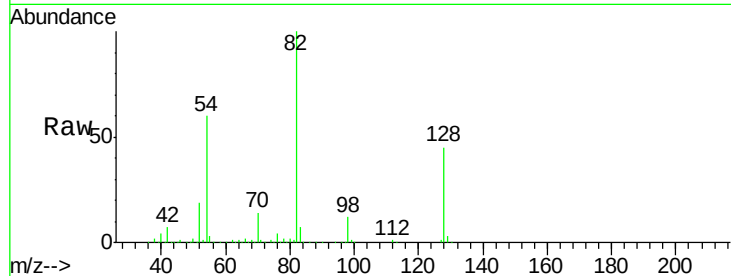




#23
 Nitrobenzene-d5
 Concen: 85.468 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

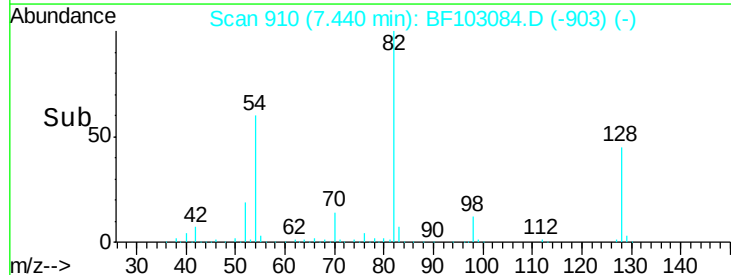
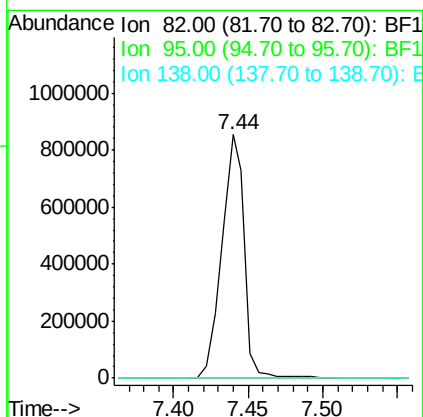
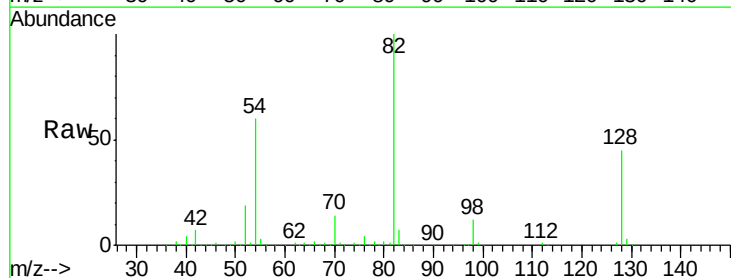
Instrument :
 BNA_F
 ClientSampleId :

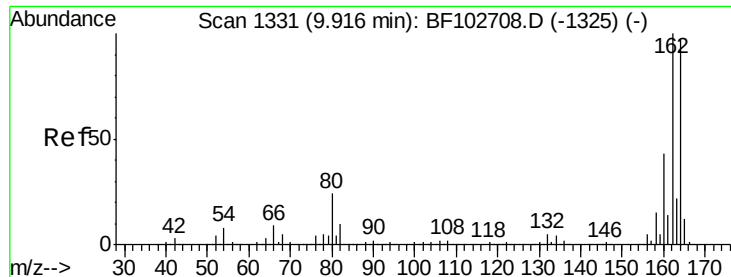
Tot Ion	82	Resp	907561
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.1	54.1
54	59.8	41.4	62.2



#25
 Isophorone
 Concen: 37.116 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

Tgt Ion	82	Resp	907544
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

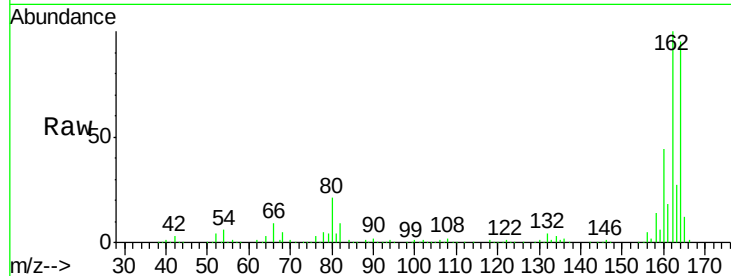




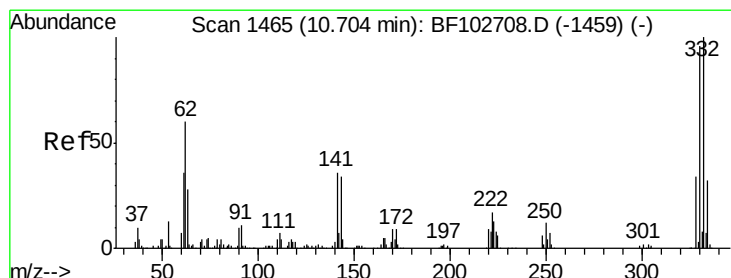
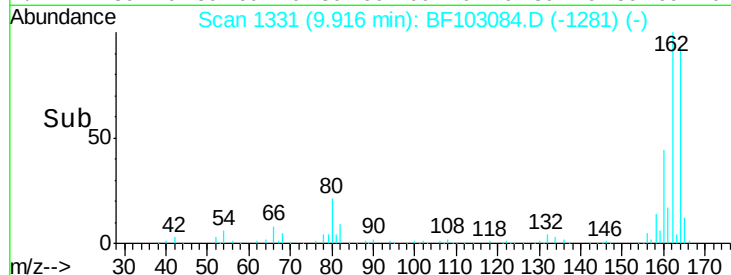
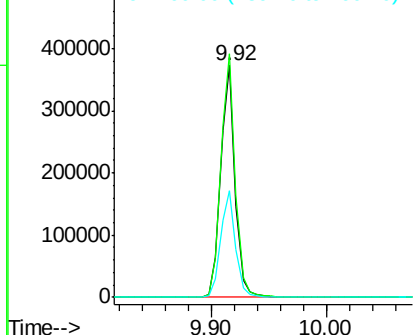
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 319445
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 45.9 38.3 57.5

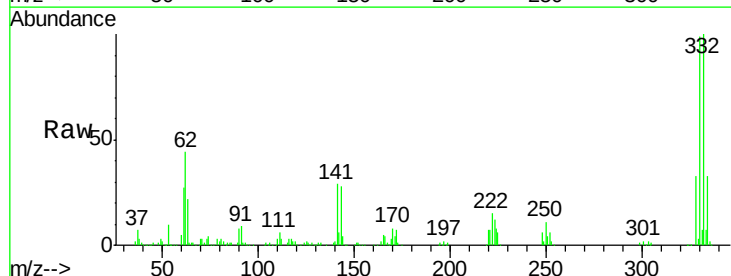


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

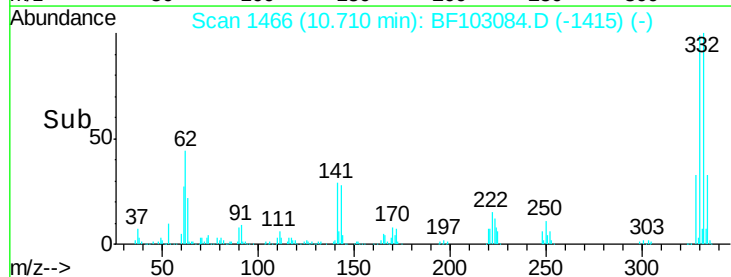
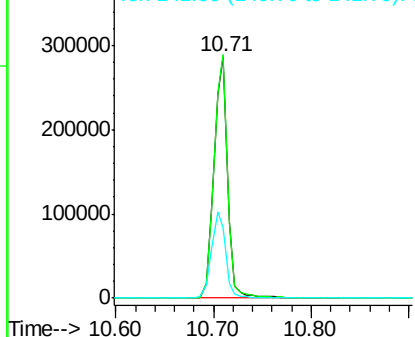


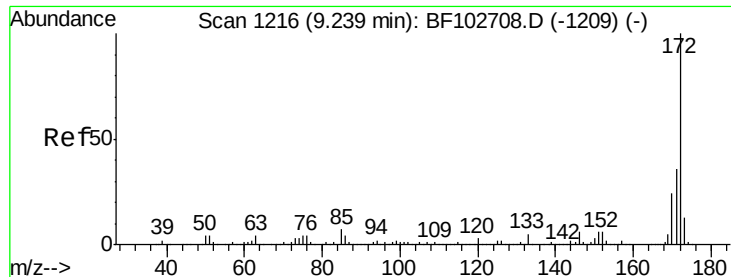
#41
 2,4,6-Tribromophenol
 Concen: 107.490 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

Tgt Ion:330 Resp: 276373
 Ion Ratio Lower Upper
 330 100
 332 100.1 77.0 115.6
 141 37.3 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

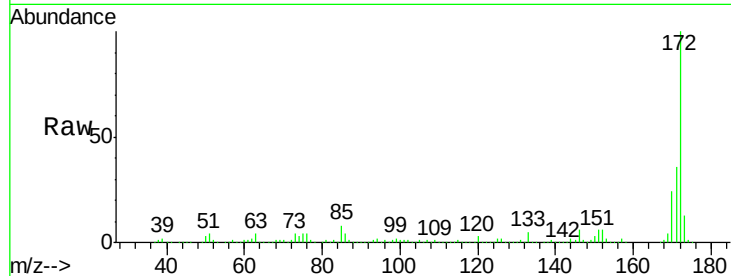




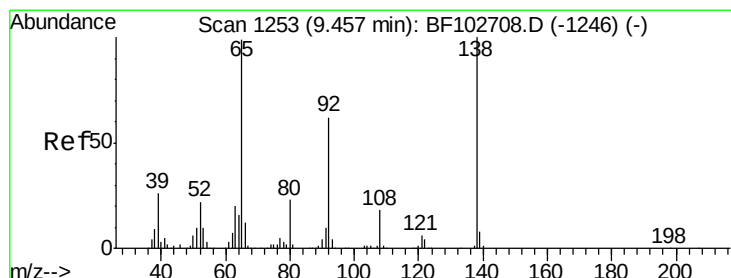
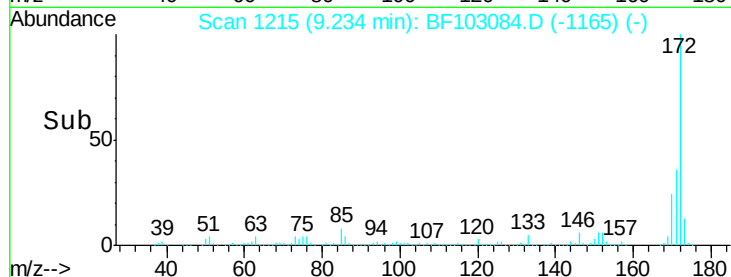
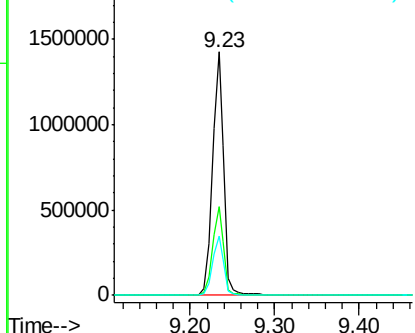
#44
2-Fluorobiphenyl
Concen: 70.483 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1356879
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.4 19.6 29.4

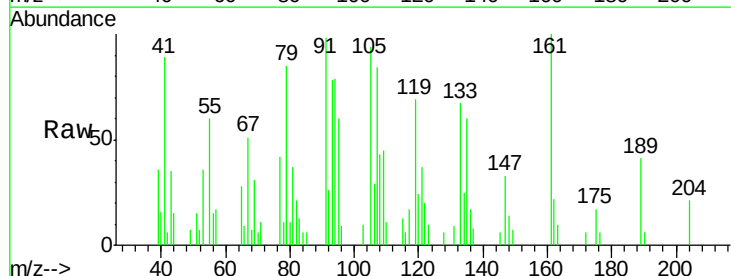


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

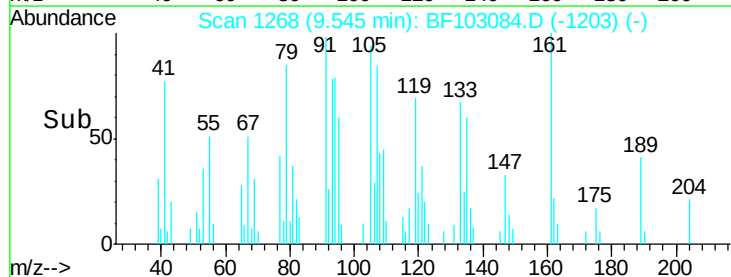
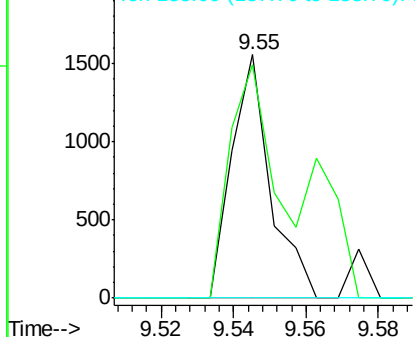


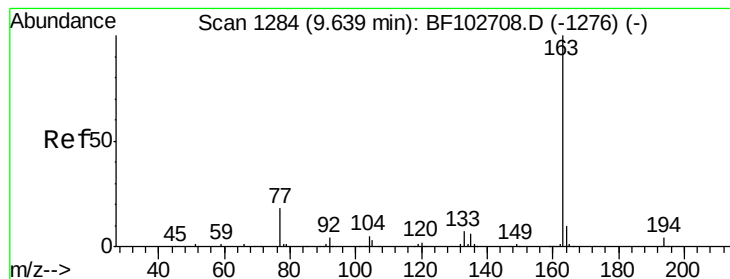
#47
2-Nitroaniline
Concen: 3.637 ng
RT: 9.55 min Scan# 1268
Delta R.T. 0.08 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Tgt Ion: 65 Resp: 1160
Ion Ratio Lower Upper
65 100
92 95.6 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): E





#49

Dimethylphthalate

Concen: 3.530 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

Instrument :

BNA_F

ClientSampleId :

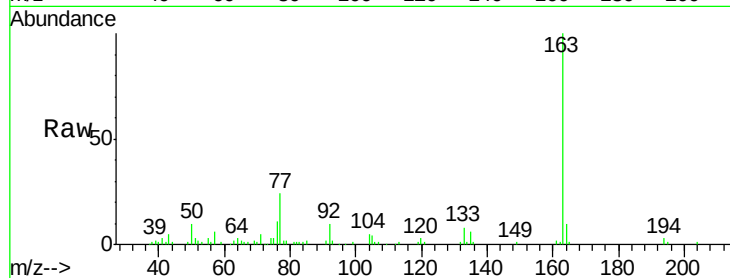
Tot Ion:163 Resp: 87935

Ion Ratio Lower Upper

163 100

194 2.6 2.7 4.1#

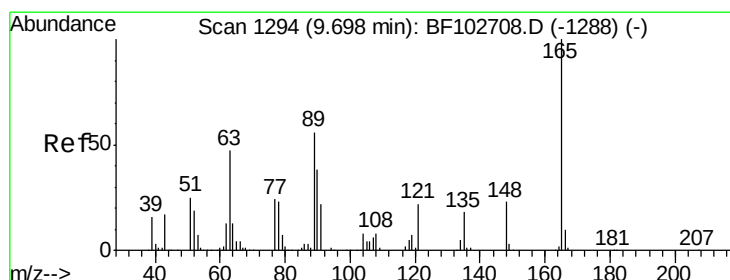
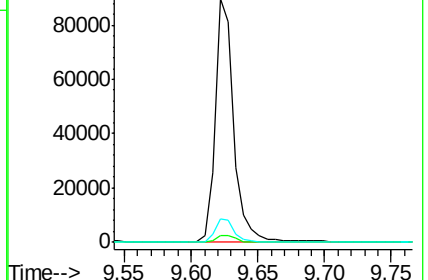
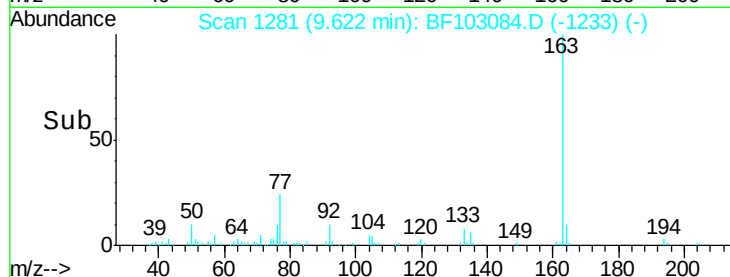
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.683 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

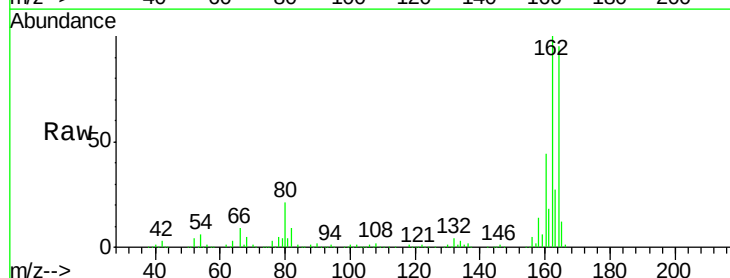
Tgt Ion:165 Resp: 41147

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

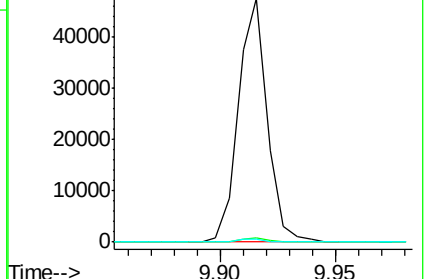
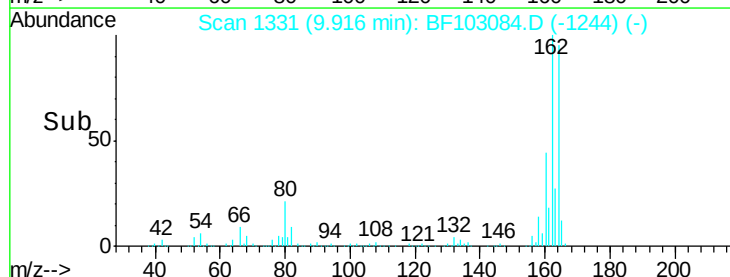
89 1.4 44.0 66.0#

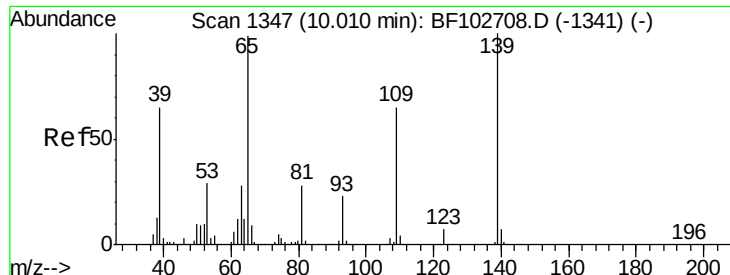


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

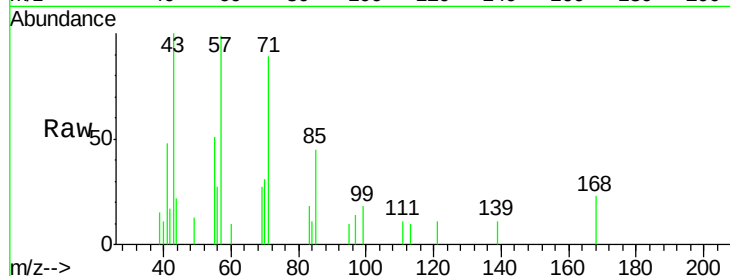




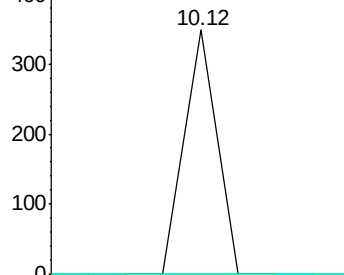
#55
4-Nitrophenol
Concen: 4.048 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Instrument :
BNA_F
ClientSampleId :

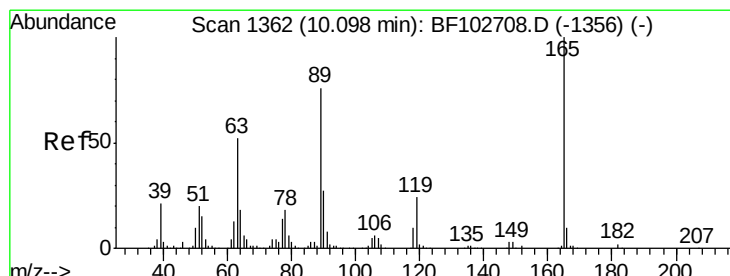
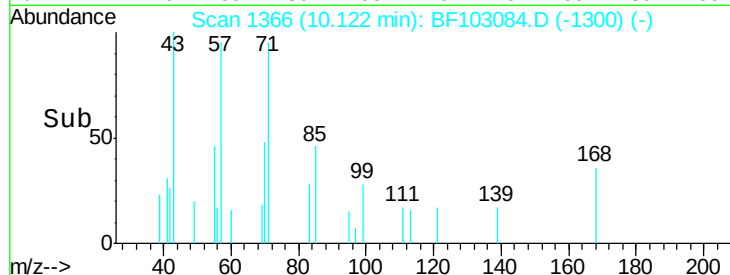
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



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



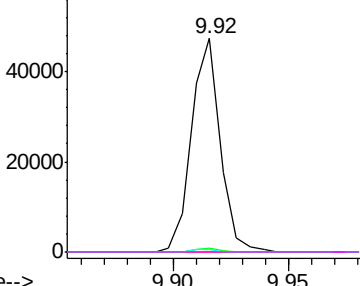
Time-->



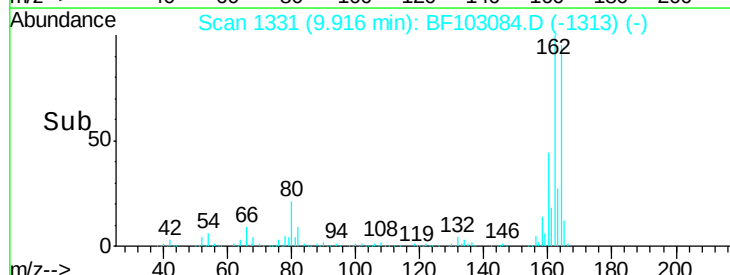
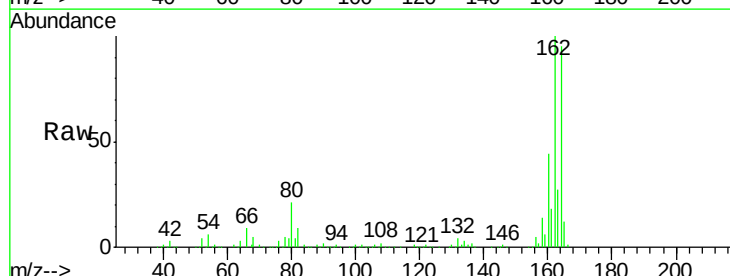
#56
2,4-Dinitrotoluene
Concen: 9.135 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

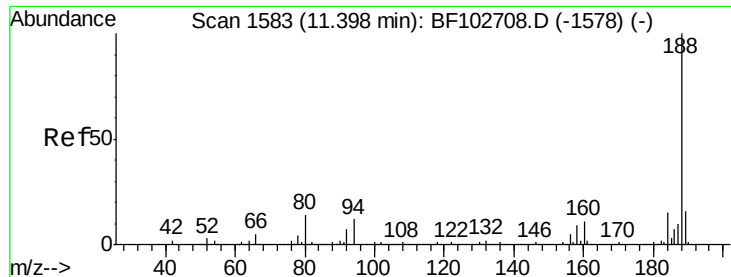
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

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



Time-->

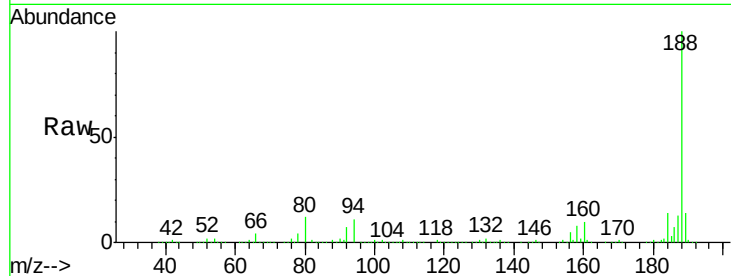




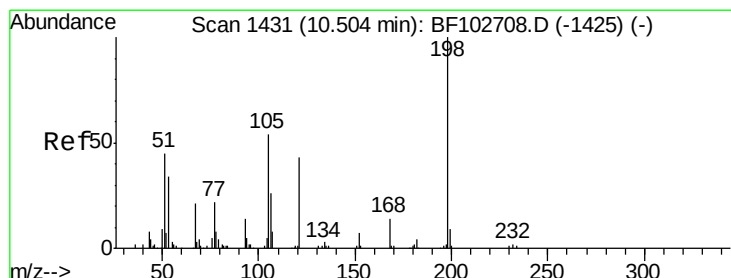
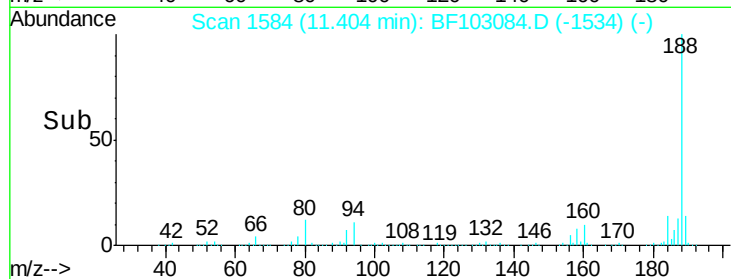
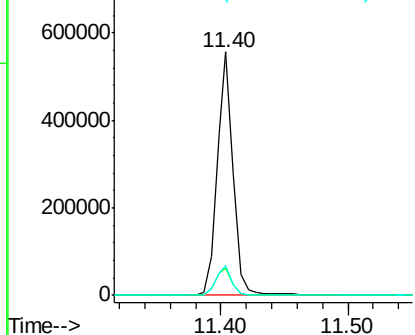
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 490038
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 12.1 9.2 13.8

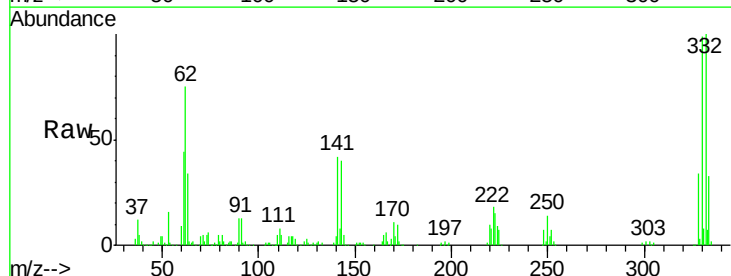


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

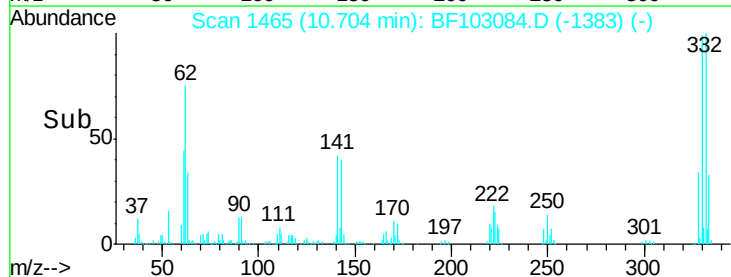
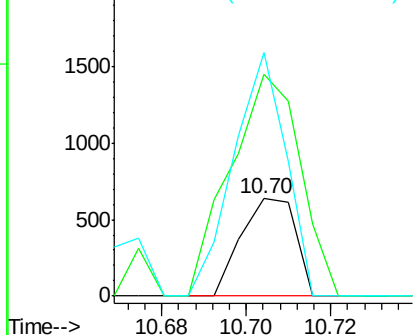


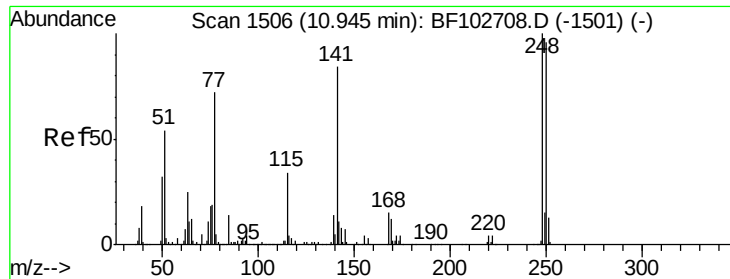
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.052 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103084.D
 Acq: 19 Feb 2018 16:05

Tgt Ion:198 Resp: 572
 Ion Ratio Lower Upper
 198 100
 51 227.8 37.7 77.7#
 105 249.9 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

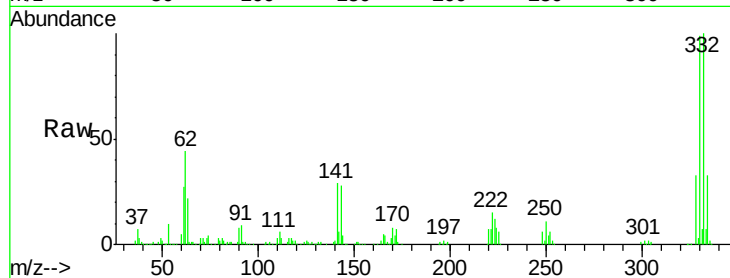




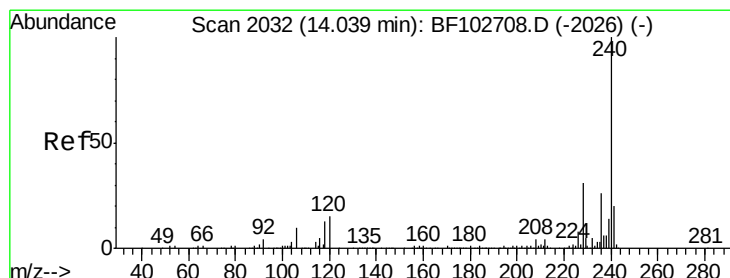
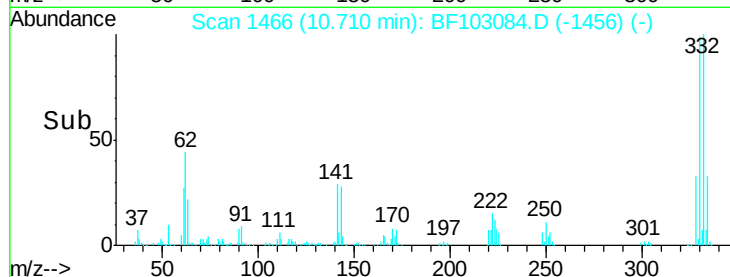
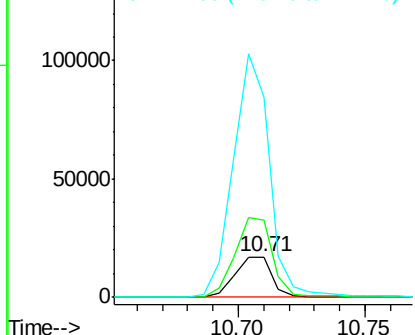
#66
4-Bromophenyl-phenylether
Concen: 3.379 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17518
Ion Ratio Lower Upper
248 100
250 192.7 76.9 115.3#
141 498.1 74.4 111.6#

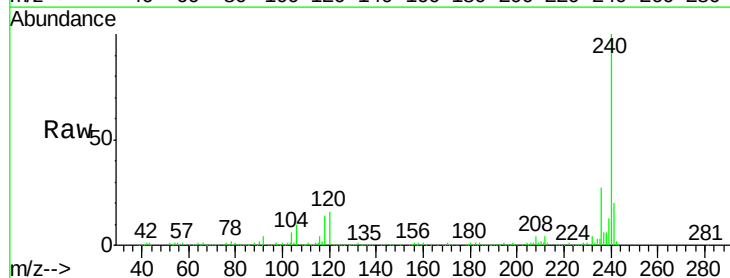


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

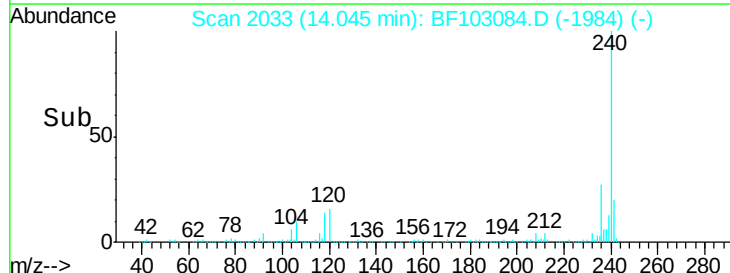
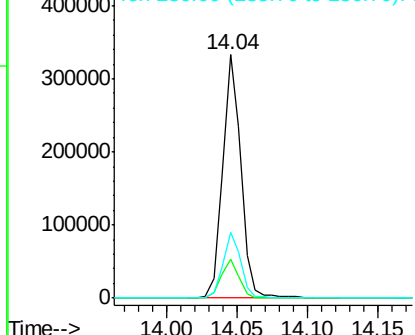


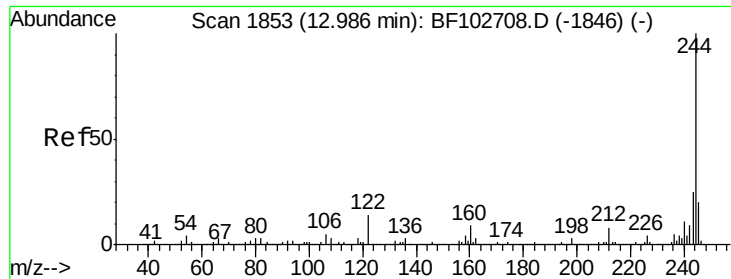
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103084.D
Acq: 19 Feb 2018 16:05

Tgt Ion:240 Resp: 298704
Ion Ratio Lower Upper
240 100
120 15.8 9.5 14.3#
236 26.8 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: 73.510 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

Instrument :

BNA_F

ClientSampled :

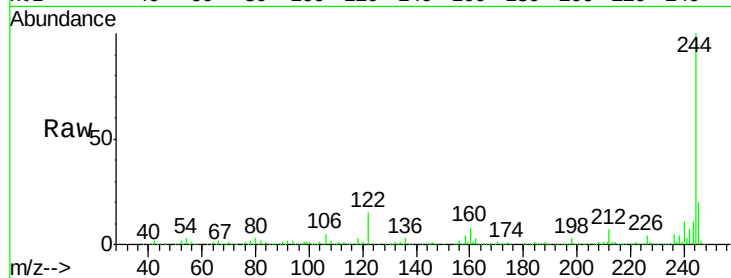
Tot Ion:244 Resp: 927356

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

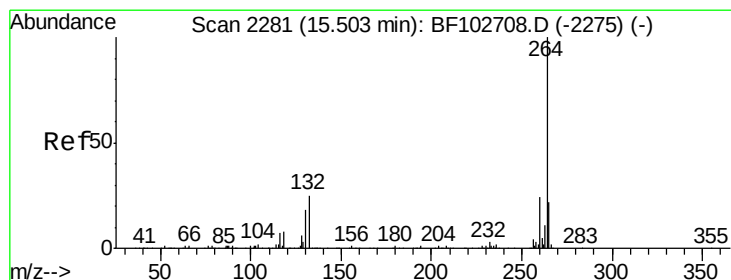
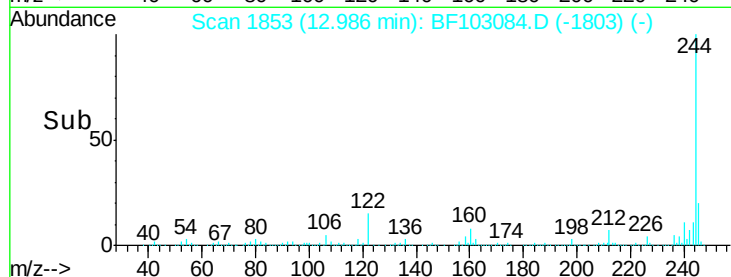
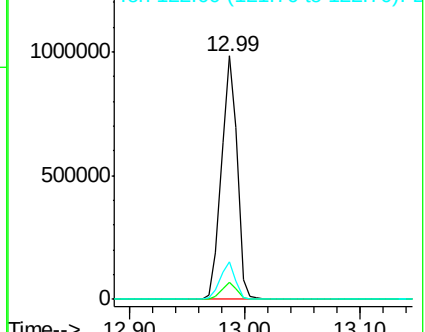
122 15.2 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF103084.D

Acq: 19 Feb 2018 16:05

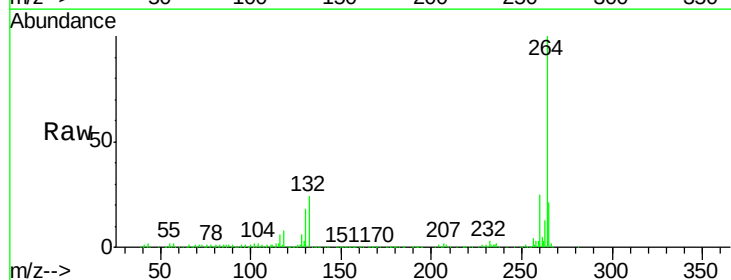
Tgt Ion:264 Resp: 318358

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.0 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

