

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106426.D
 Acq On : 14 Jun 2018 7:29
 Operator : JU/SJ
 Sample : J3396-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 08:32:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153888	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587049	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	286178	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	525759	20.00	ng	0.00
75) Chrysene-d12	14.15	240	400725	20.00	ng	-0.01
86) Perylene-d12	15.68	264	374474	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	558304	61.40	ng	-0.01
7) Phenol-d6	6.61	99	448608	39.05	ng	-0.01
23) Nitrobenzene-d5	7.53	82	954057	95.61	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	424544	154.18	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1521848	99.57	ng	0.00
78) Terphenyl-d14	13.09	244	1414540	87.68	ng	0.00

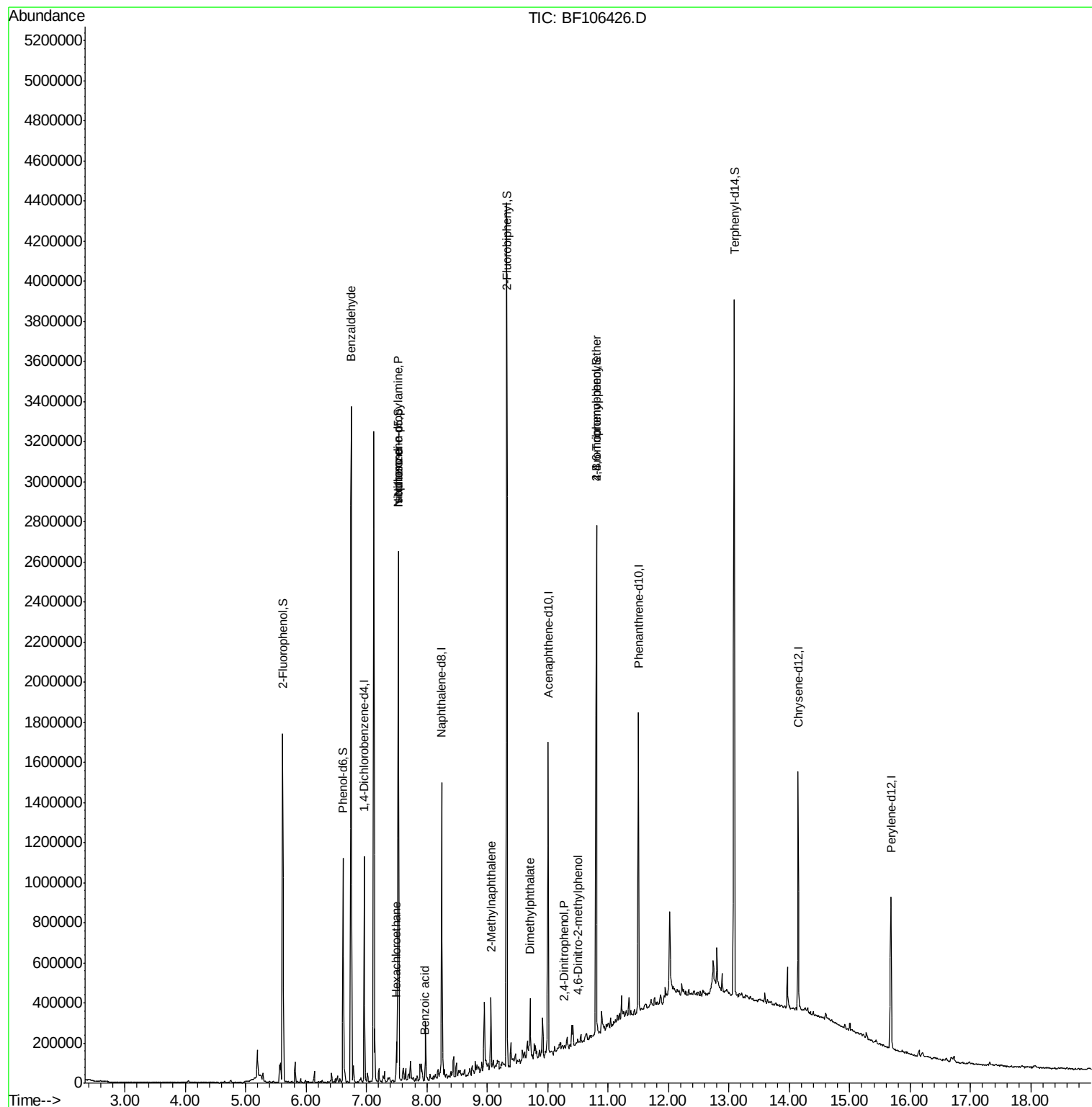
Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	21381	2.454	ng	84
18) Hexachloroethane	7.50	117	14366	3.452	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	132323	15.354	ng	# 74
25) Isophorone	7.53	82	951581	48.821	ng	# 64
32) Benzoic acid	7.95	122	350	7.338	ng	# 79
37) 2-Methylnaphthalene	9.06	142	78470	4.341	ng	94
49) Dimethylphthalate	9.71	163	97386	4.763	ng	99
53) 2,4-Dinitrophenol	10.28	184	119	8.669	ng	# 66
64) 4,6-Dinitro-2-methylphenol	10.50	198	122	6.332	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	26255	4.391	ng	# 1

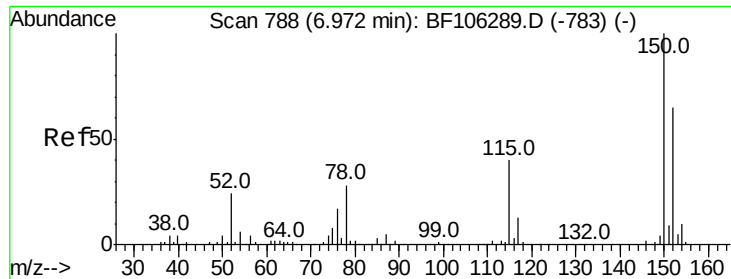
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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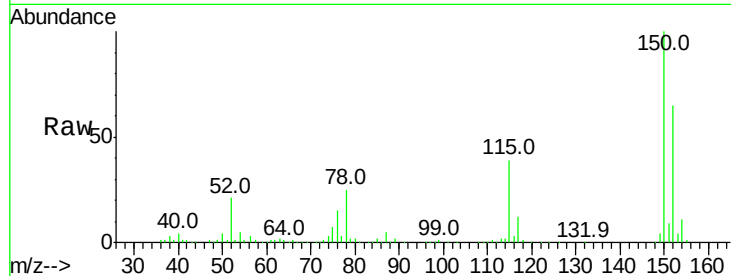


#1

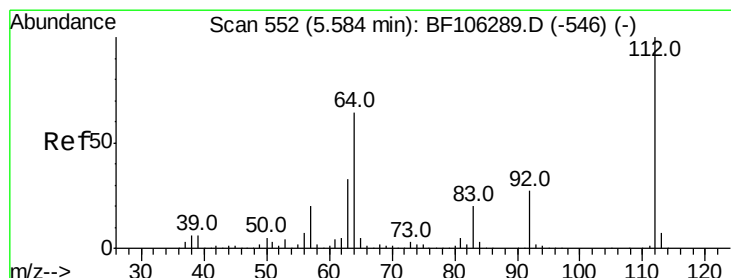
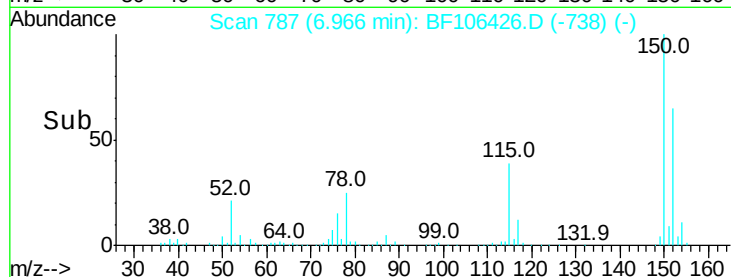
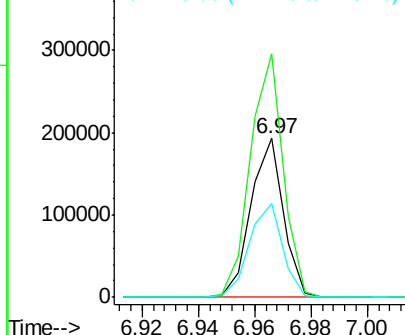
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	59.1	50.1	75.1



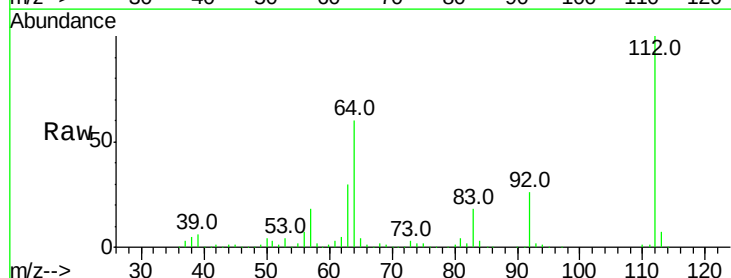
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



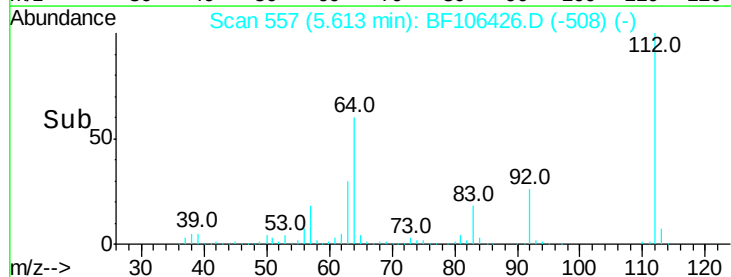
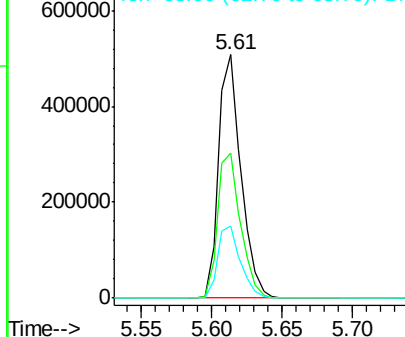
#5

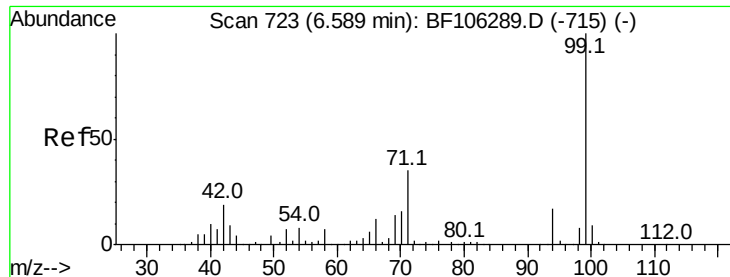
2-Fluorophenol
Concen: 61.404 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.6	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: 39.052 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Instrument :

BNA_F

ClientSampled :

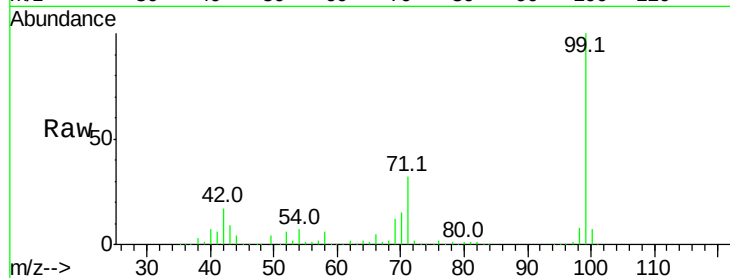
Tot Ion: 99 Resp: 448608

Ion Ratio Lower Upper

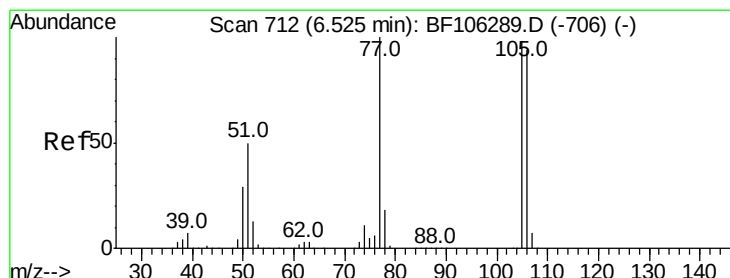
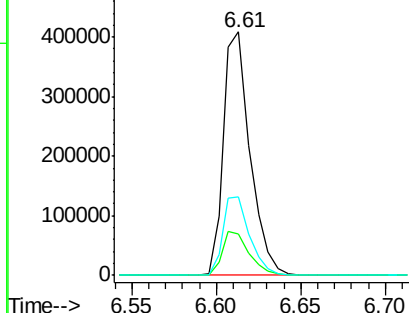
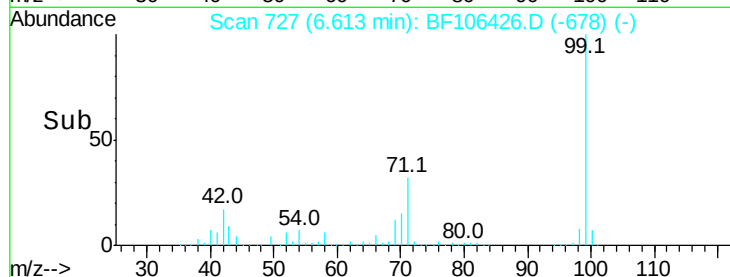
99 100

42 17.0 14.5 21.7

71 32.4 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: 2.454 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

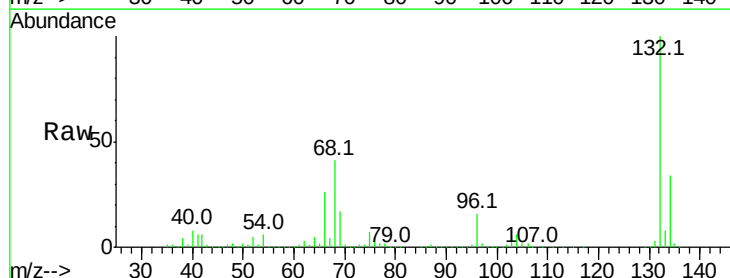
Tgt Ion: 77 Resp: 21381

Ion Ratio Lower Upper

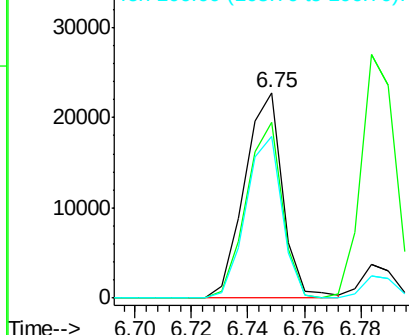
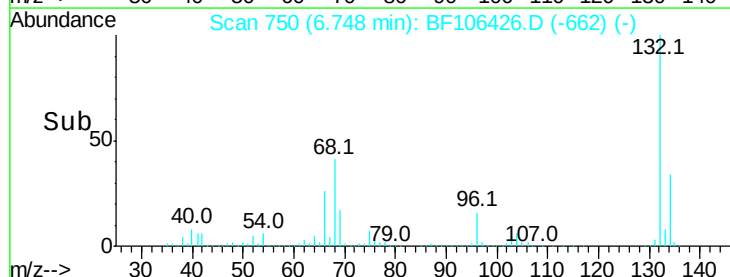
77 100

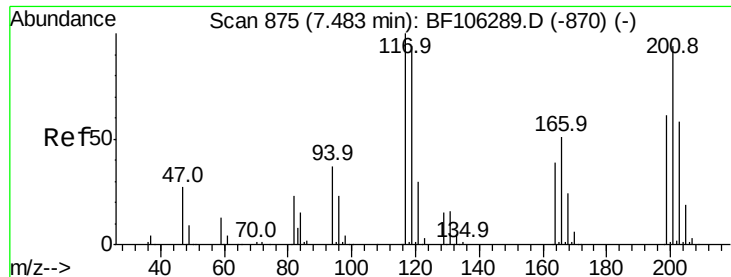
105 85.8 81.1 121.1

106 78.7 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





#18

Hexachloroethane

Concen: 3.452 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Instrument :

BNA_F

ClientSampleId :

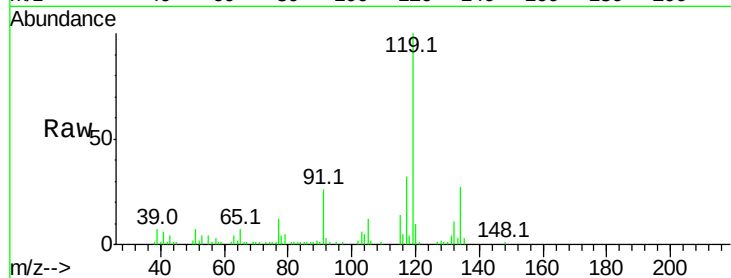
Tot Ion:117 Resp: 14366

Ion Ratio Lower Upper

117 100

119 310.7 75.8 113.8#

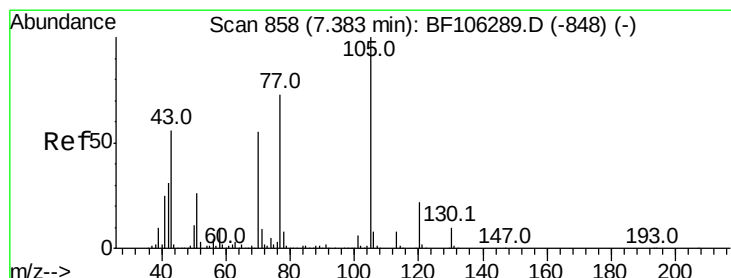
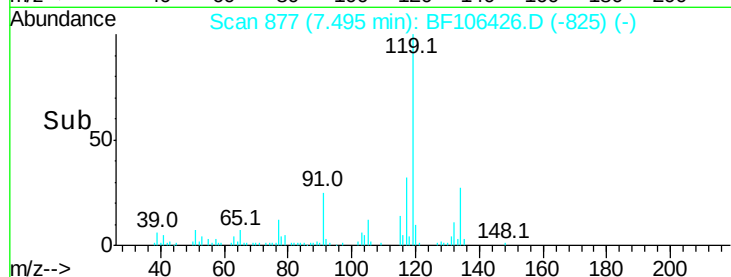
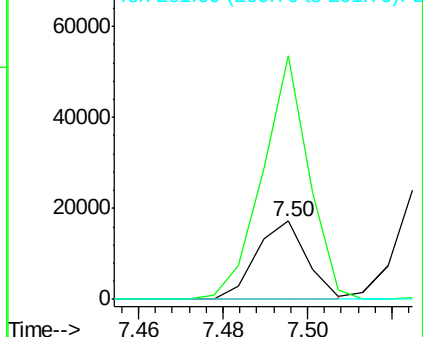
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 15.354 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Tgt Ion: 70 Resp: 132323

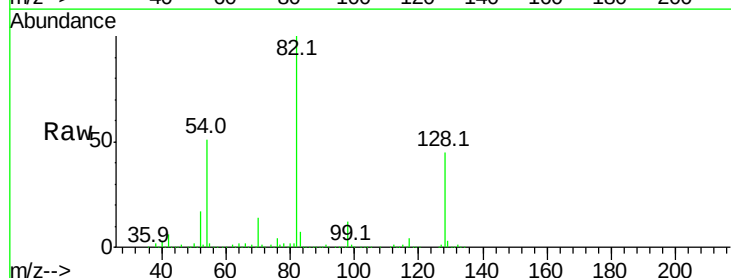
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

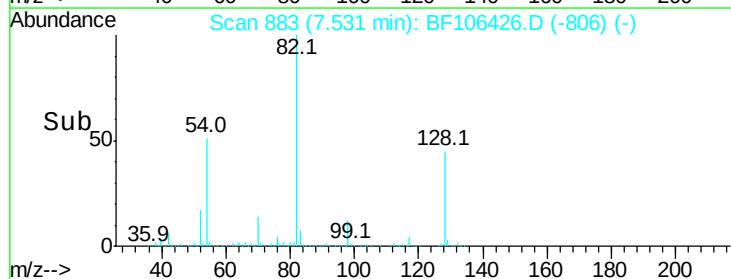
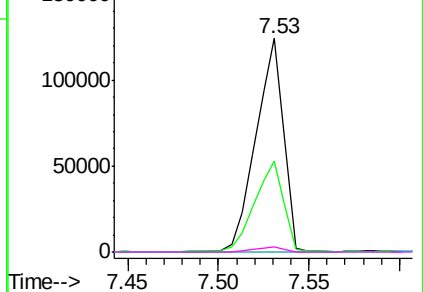


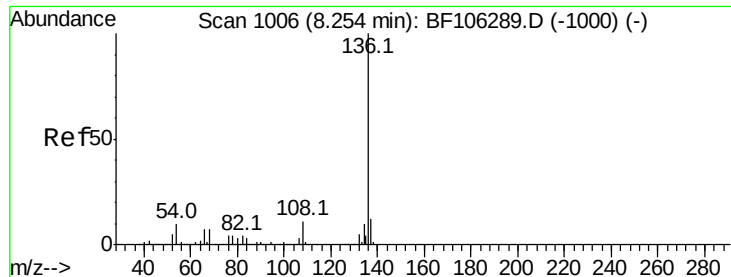
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

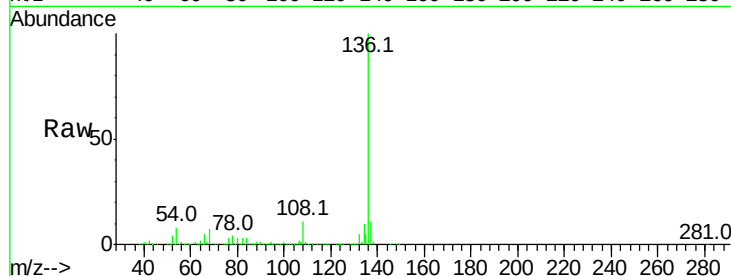




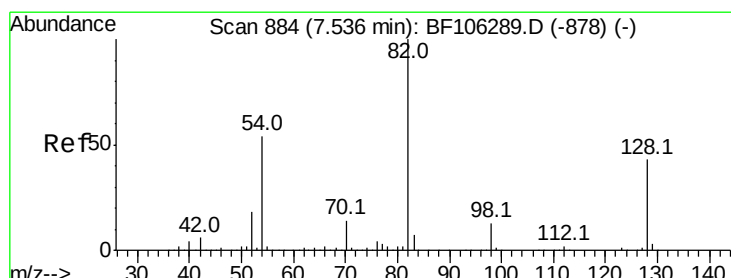
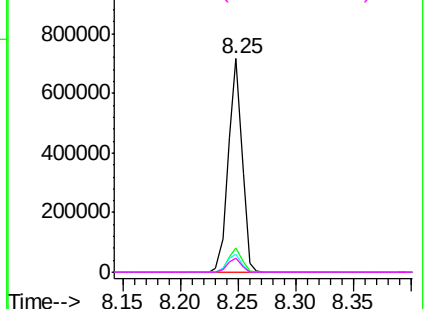
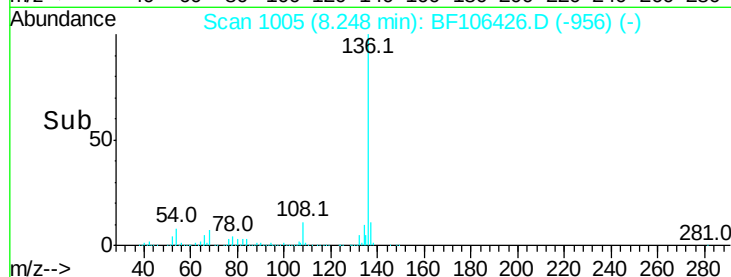
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	587049
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 8.4	6.6	9.8
68 6.7	5.0	7.4

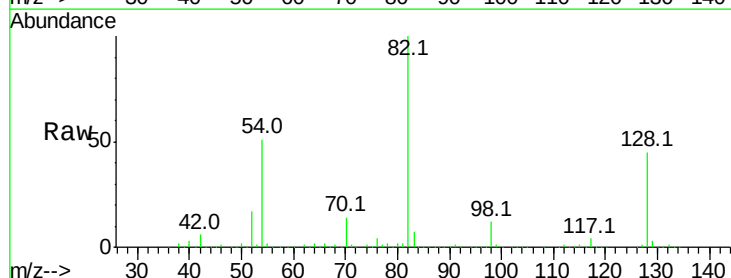


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

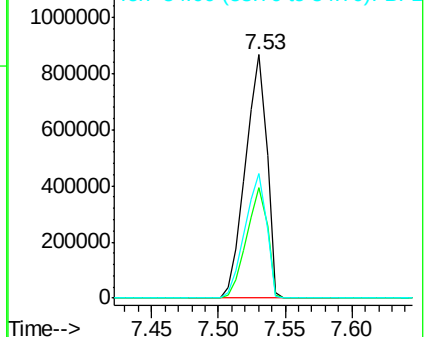
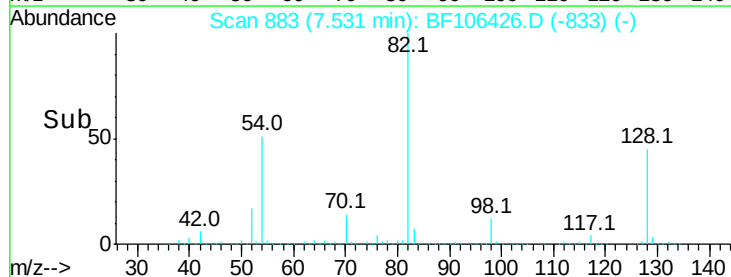


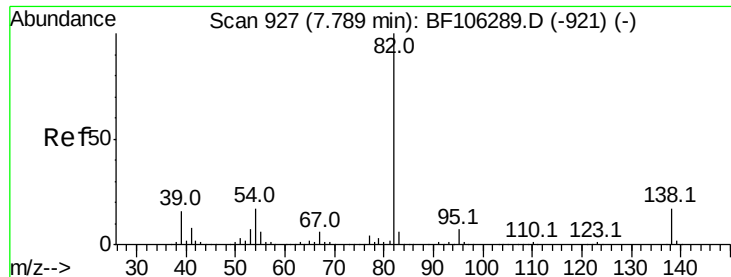
#23
Nitrobenzene-d5
Concen: 95.607 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Tgt Ion: 82	Resp:	954057
Ion Ratio	Lower	Upper
82 100		
128 45.4	36.1	54.1
54 51.0	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: 48.821 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Instrument :

BNA_F

ClientSampleId :

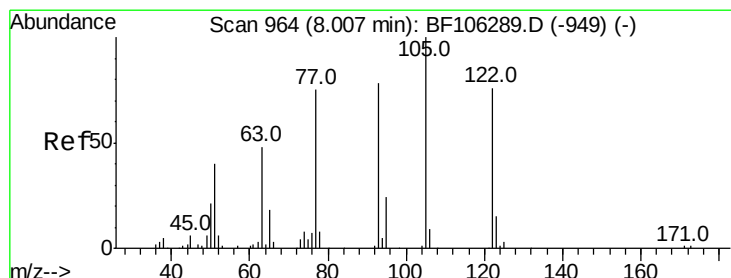
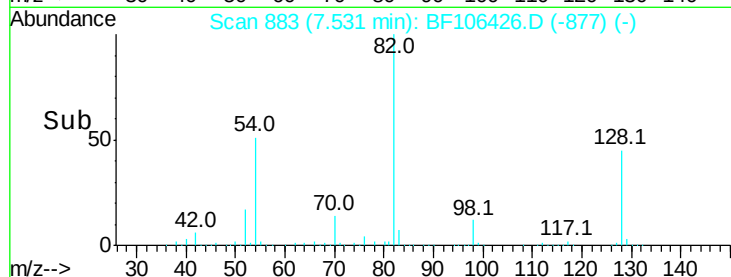
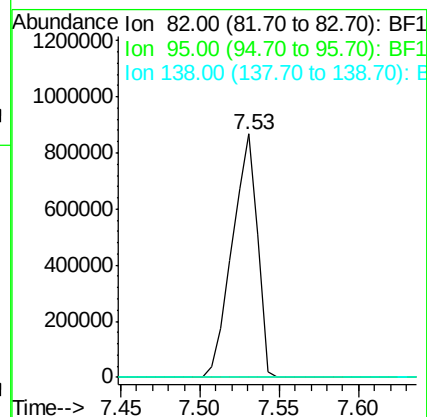
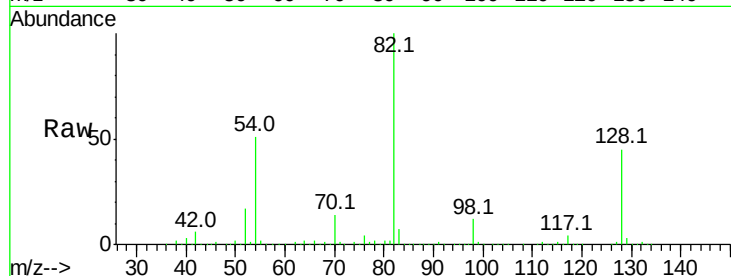
Tot Ion: 82 Resp: 951581

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.338 ng

RT: 7.95 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

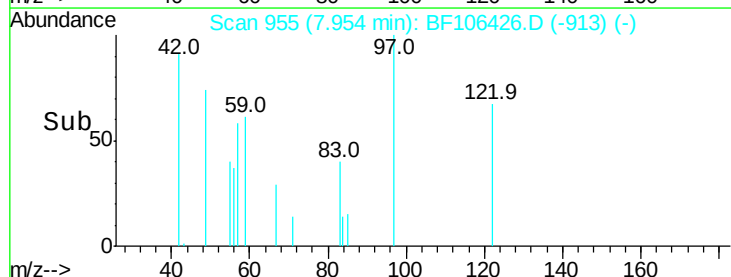
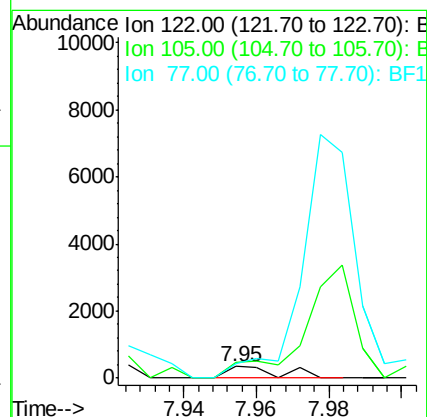
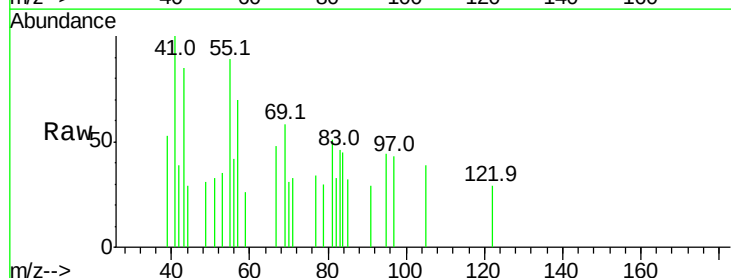
Tgt Ion: 122 Resp: 350

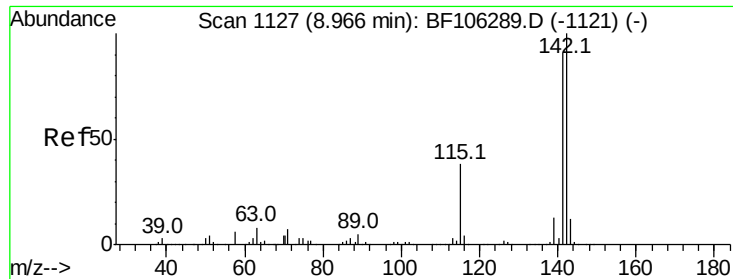
Ion Ratio Lower Upper

122 100

105 136.1 101.1 141.1

77 120.2 70.7 110.7#

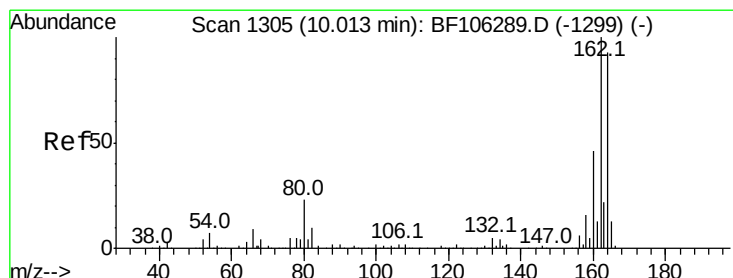
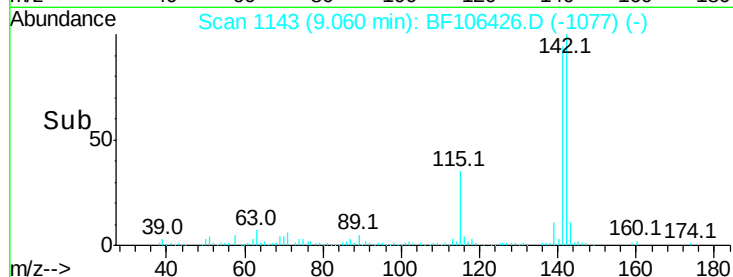
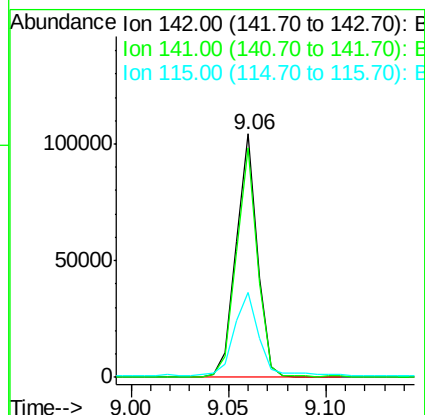
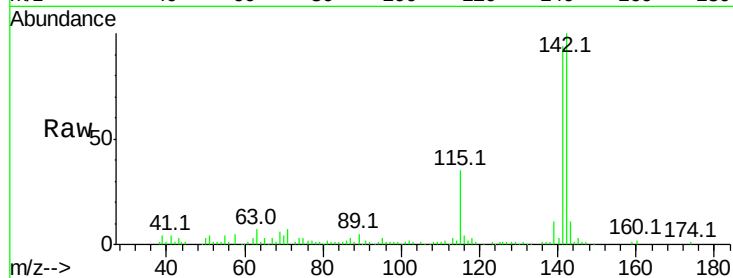




#37
2-Methylnaphthalene
Concen: 4.341 ng
RT: 9.06 min Scan# 1143
Delta R.T. 0.09 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

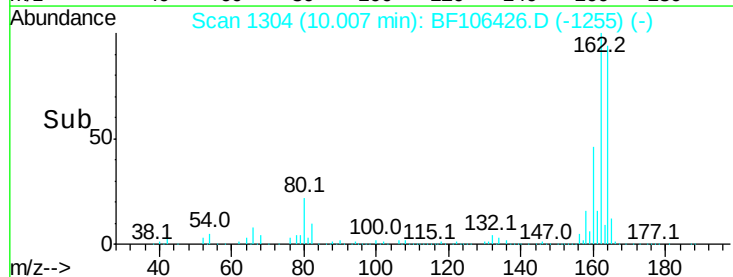
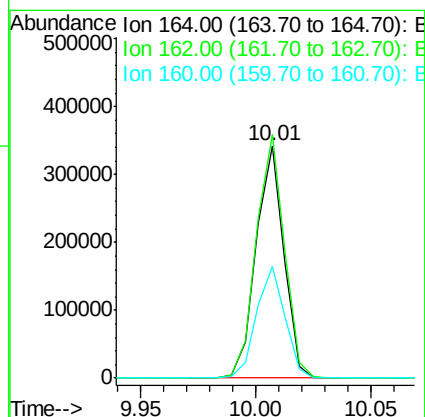
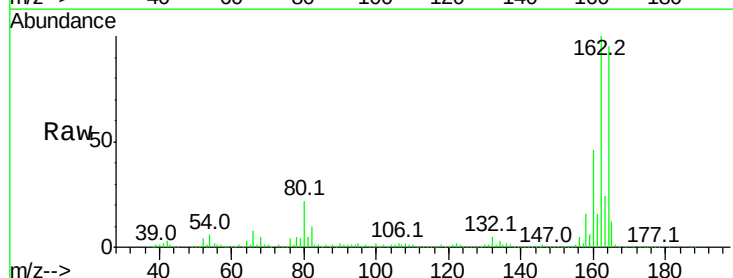
Instrument :
BNA_F
ClientSampled :

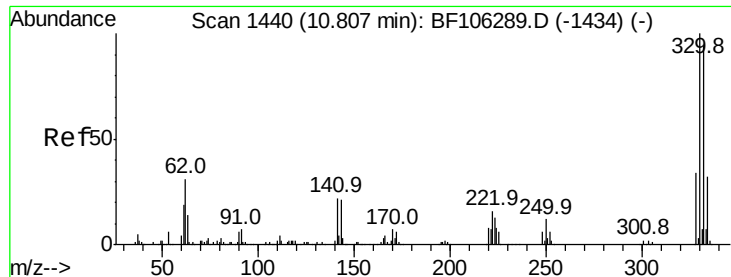
Tot Ion:142 Resp: 78470
Ion Ratio Lower Upper
142 100
141 94.1 70.8 106.2
115 35.1 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Tgt Ion:164 Resp: 286178
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 48.1 38.3 57.5

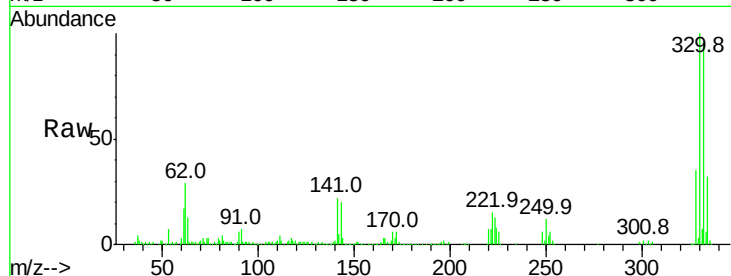




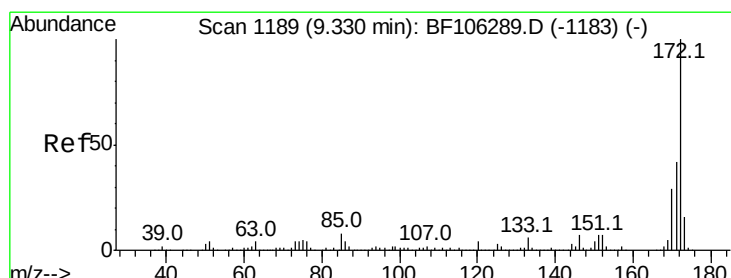
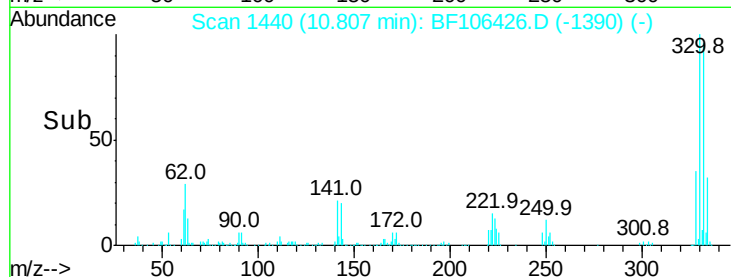
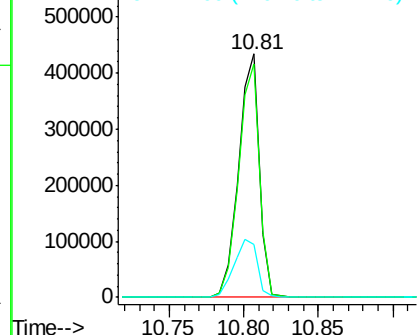
#41
 2,4,6-Tribromophenol
 Concen: 154.182 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF106426.D
 Acq: 14 Jun 2018 7:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	26.5	29.9	44.9#

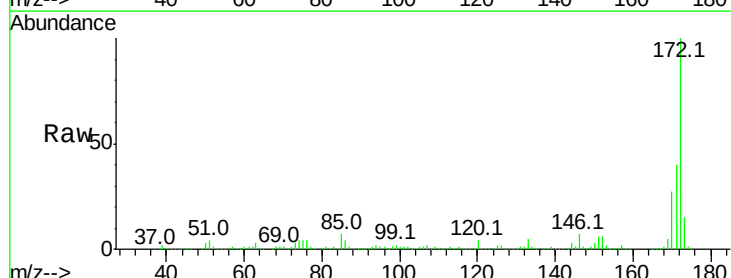


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

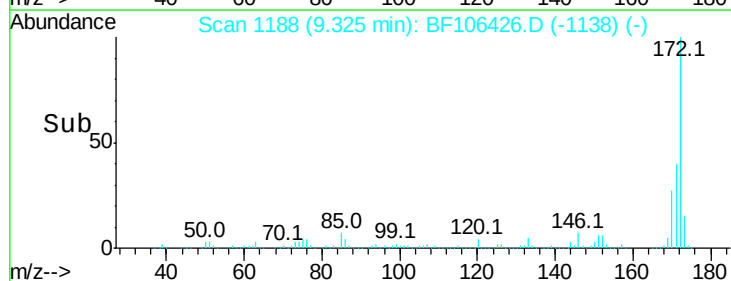
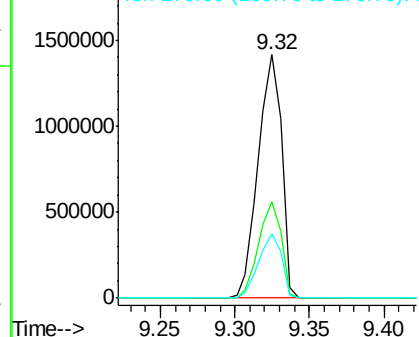


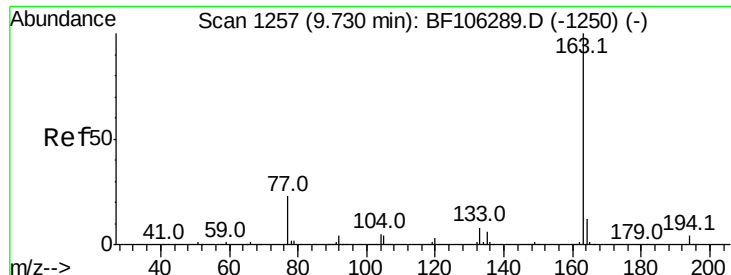
#44
 2-Fluorobiphenyl
 Concen: 99.572 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106426.D
 Acq: 14 Jun 2018 7:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.8	29.7	44.5
170	26.7	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

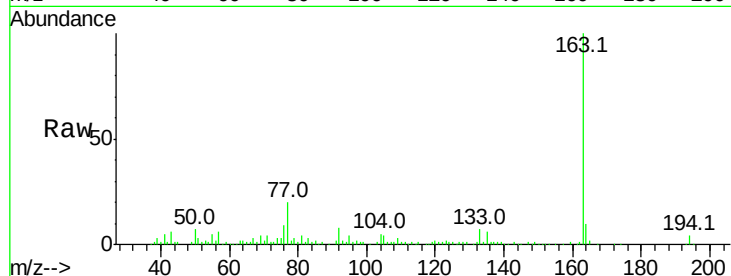




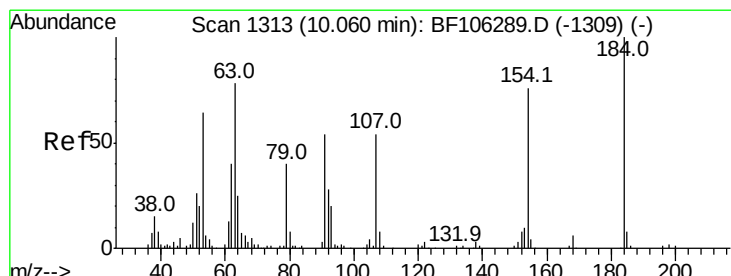
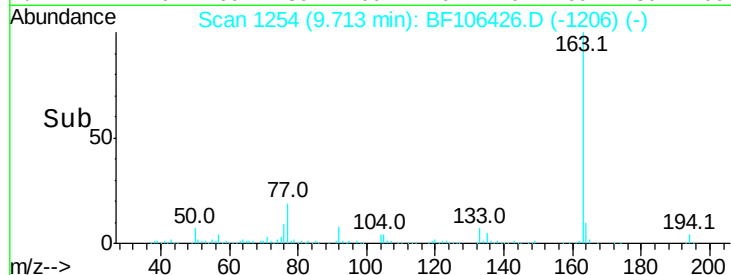
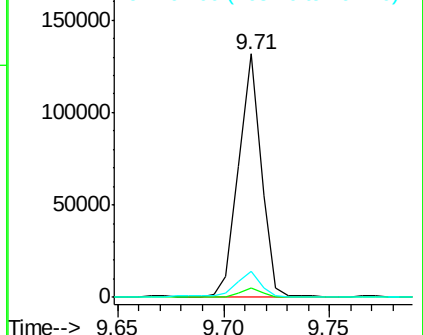
#49
Dimethylphthalate
Concen: 4.763 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 97386
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.5 8.2 12.2

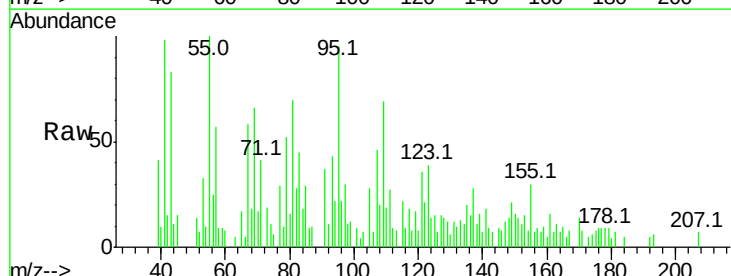


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

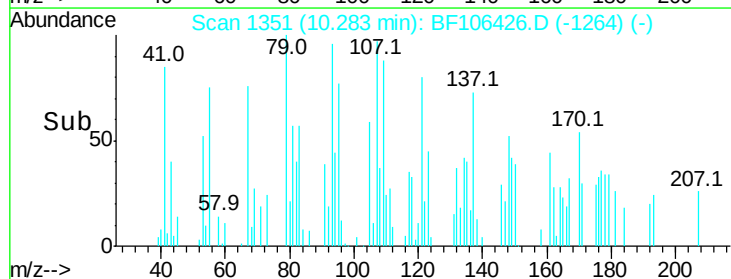
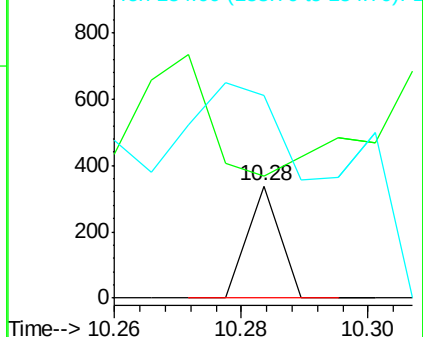


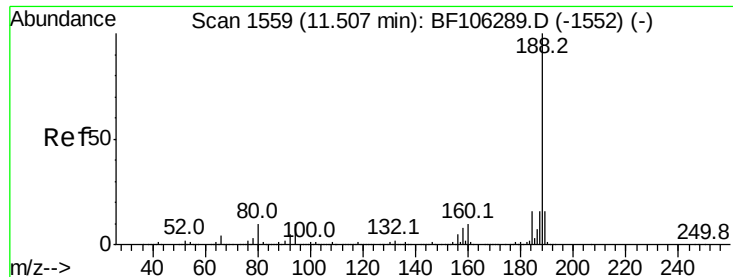
#53
2,4-Dinitrophenol
Concen: 8.669 ng
RT: 10.28 min Scan# 1351
Delta R.T. 0.21 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 108.6 54.2 81.2#
154 181.4 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Instrument :

BNA_F

ClientSampleId :

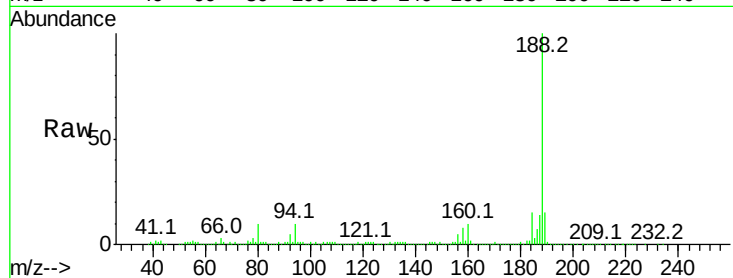
Tot Ion:188 Resp: 525759

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

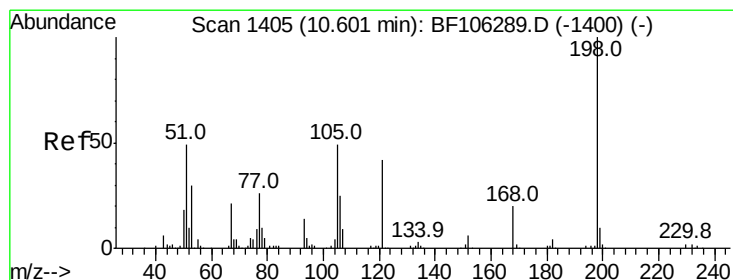
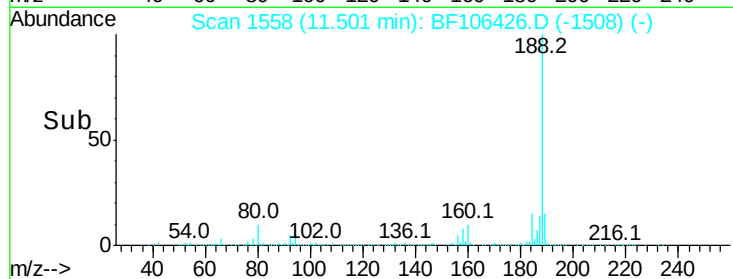
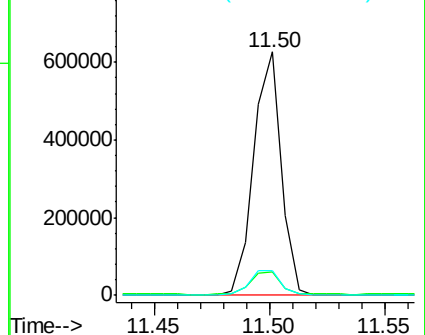
80 10.2 9.2 13.8



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: 6.332 ng

RT: 10.50 min Scan# 1388

Delta R.T. -0.11 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

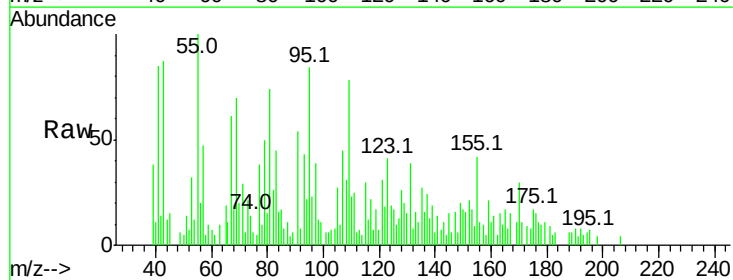
Tgt Ion:198 Resp: 122

Ion Ratio Lower Upper

198 100

51 307.8 37.7 77.7#

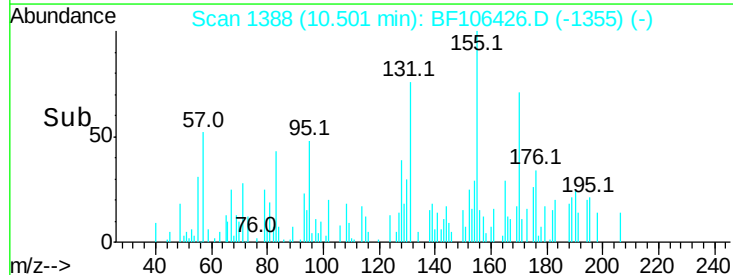
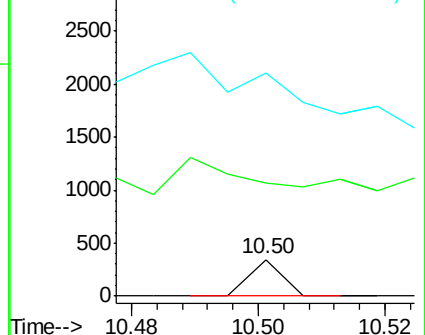
105 607.2 36.3 76.3#

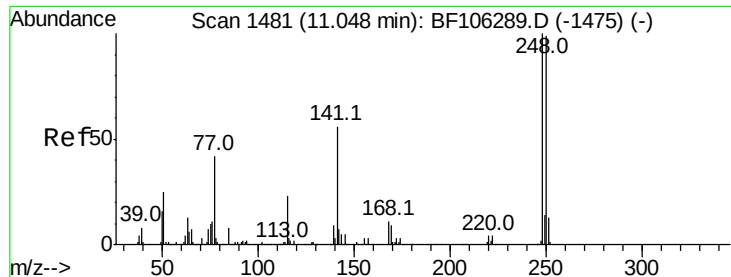


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

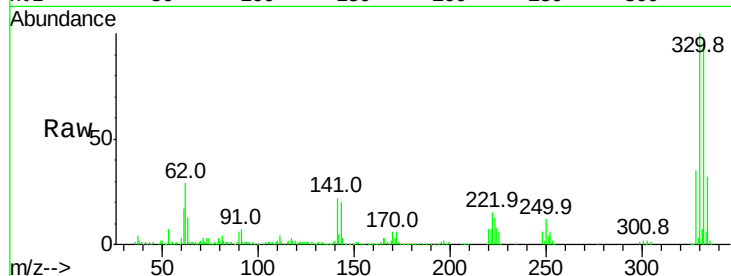




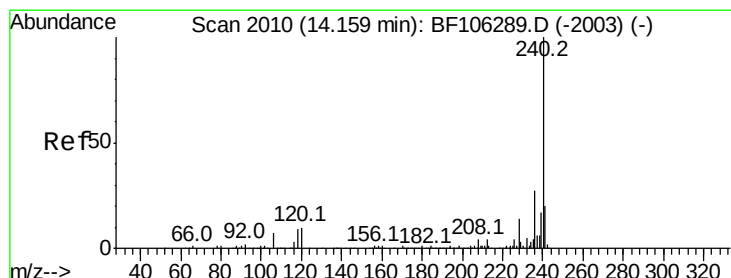
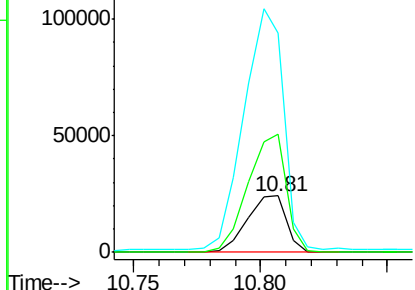
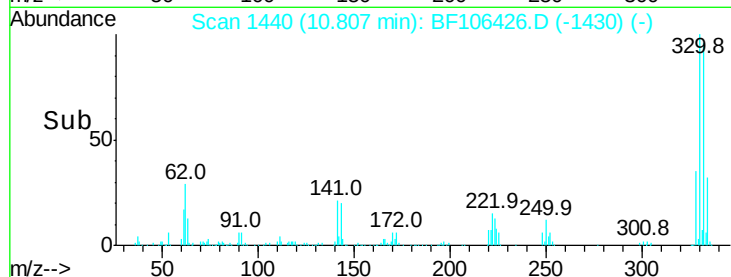
#66
4-Bromophenyl-phenylether
Concen: 4.391 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 26255
Ion Ratio Lower Upper
248 100
250 208.7 76.9 115.3#
141 386.2 74.4 111.6#

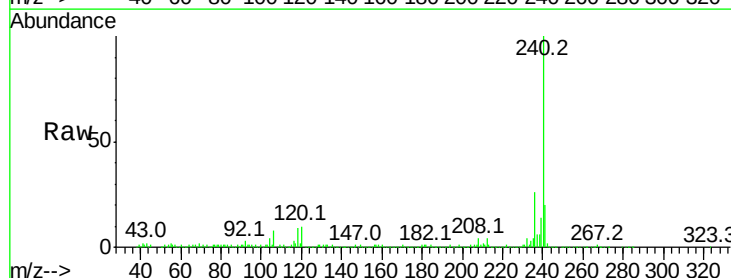


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

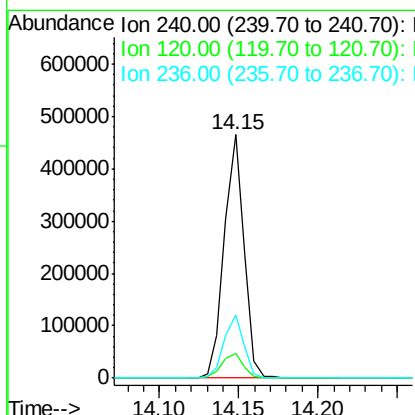
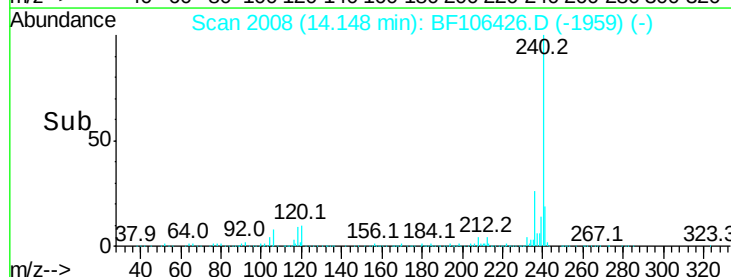


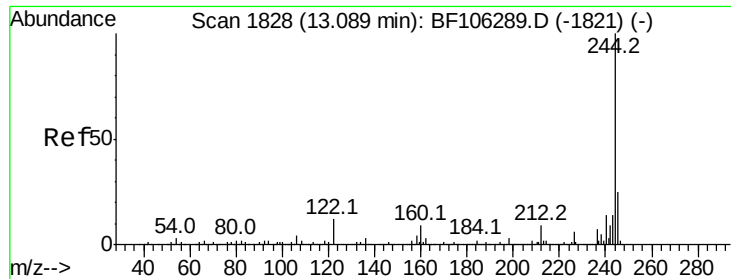
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106426.D
Acq: 14 Jun 2018 7:29

Tgt Ion:240 Resp: 400725
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 26.0 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: 87.676 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

Instrument :

BNA_F

ClientSampleId :

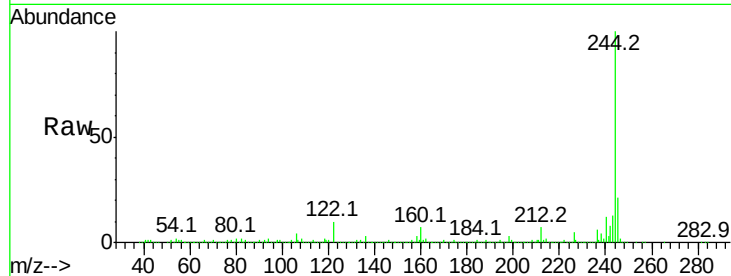
Tot Ion:244 Resp: 1414540

Ion Ratio Lower Upper

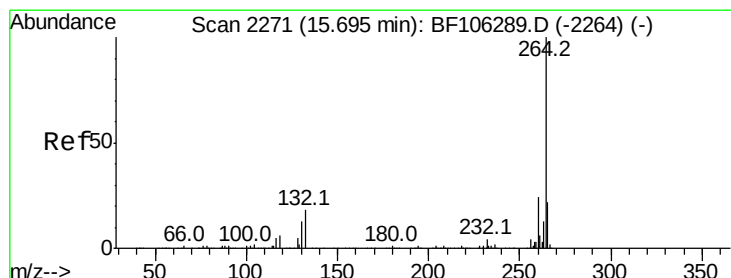
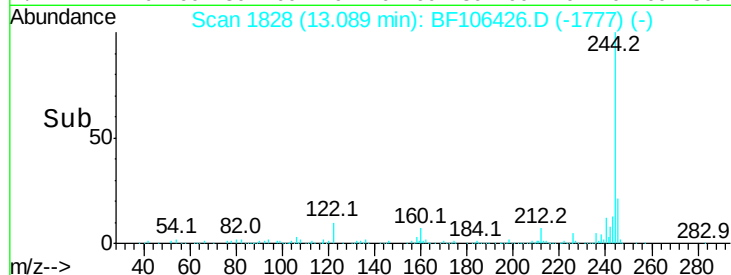
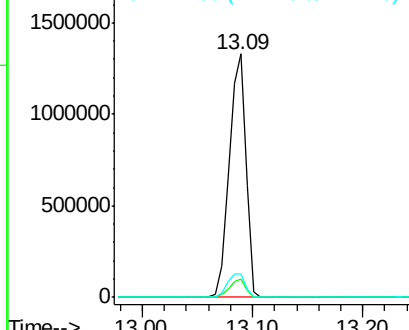
244 100

212 7.3 5.4 8.0

122 9.9 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: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF106426.D

Acq: 14 Jun 2018 7:29

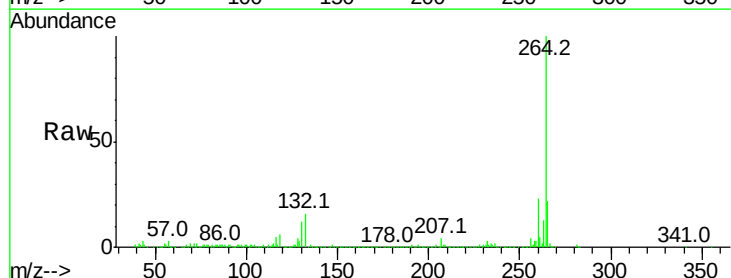
Tgt Ion:264 Resp: 374474

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.4 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

