

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111866.D
 Acq On : 5 Jan 2019 1:03
 Operator : JU/SJ
 Sample : K1036-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 02:56:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

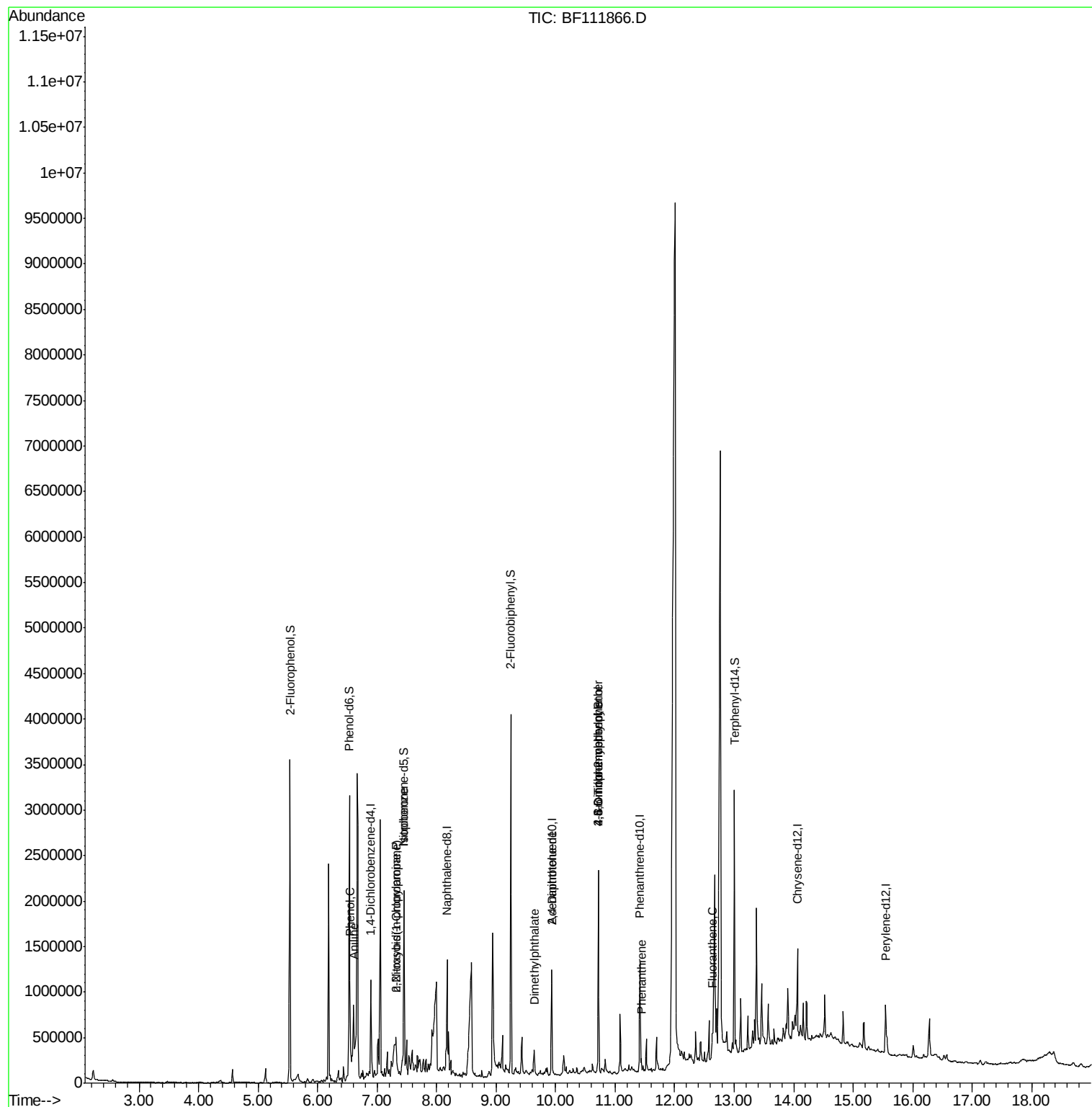
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	144678	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	533980	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	220756	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	407846	20.00	ng	0.00
76) Chrysene-d12	14.06	240	327362	20.00	ng	0.01
87) Perylene-d12	15.54	264	252445	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	865424	101.96	ng	0.02
7) Phenol-d6	6.54	99	1021061	94.52	ng	0.02
23) Nitrobenzene-d5	7.45	82	636640	69.40	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	267681	102.62	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1157951	76.46	ng	0.00
79) Terphenyl-d14	13.00	244	918672	53.22	ng	0.00
Target Compounds						
6) Aniline	6.60	93	97095	7.052	ng	Qvalue # 49
10) Phenol	6.55	94	30176	2.476	ng	# 99
16) 2,2'-oxybis(1-Chloropropan	7.32	45	38961	2.316	ng	# 93
19) n-Nitroso-di-n-propylamine	7.32	70	14925	2.080	ng	# 65
25) Isophorone	7.45	82	626357	38.460	ng	# 65
50) Dimethylphthalate	9.64	163	74192	4.596	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	29616	7.655	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	655	7.027	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	16383	3.239	ng	# 1
71) Phenanthrene	11.44	178	44958	2.079	ng	95
75) Fluoranthene	12.63	202	47423	2.165	ng	97

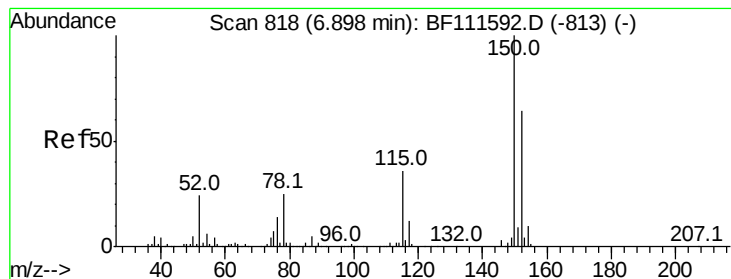
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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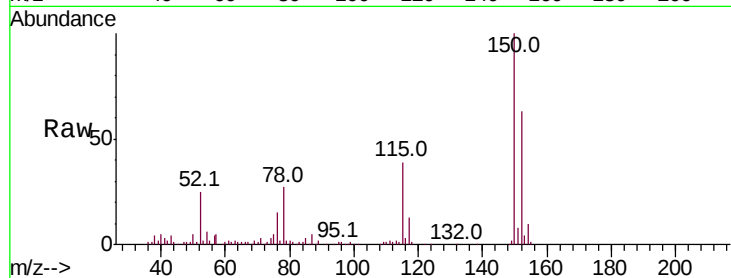


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.6	189.8
115	61.7	50.7	76.1

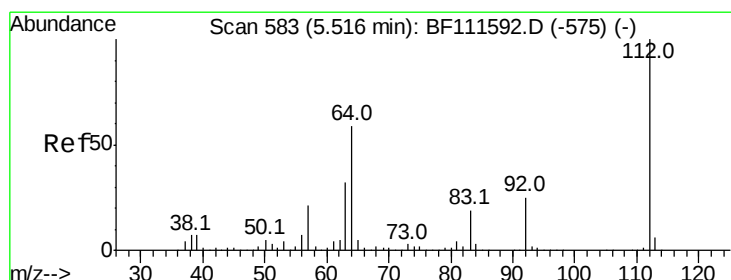
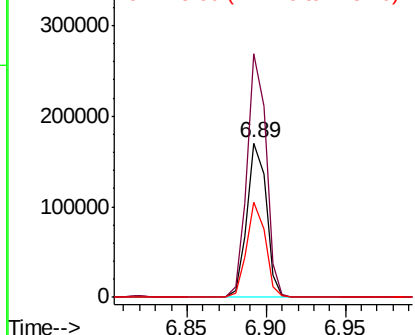
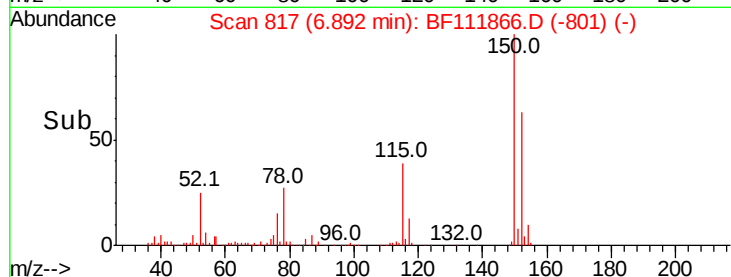


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

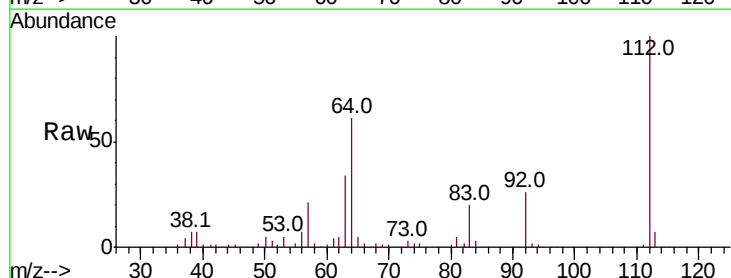
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.960 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	51.8	77.6
63	33.9	26.8	40.2

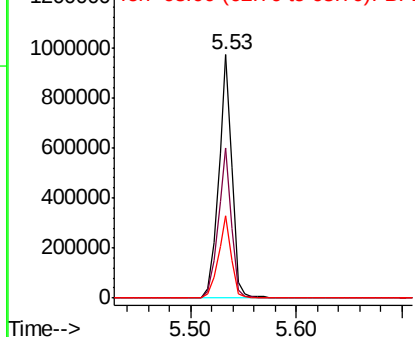
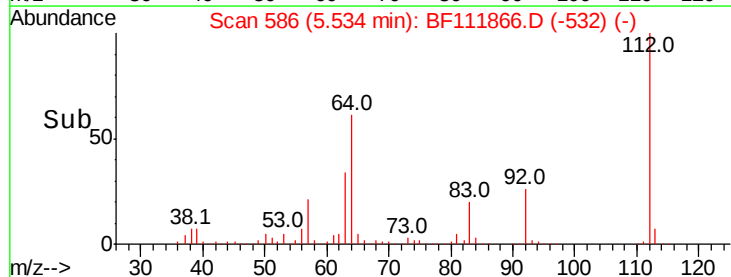


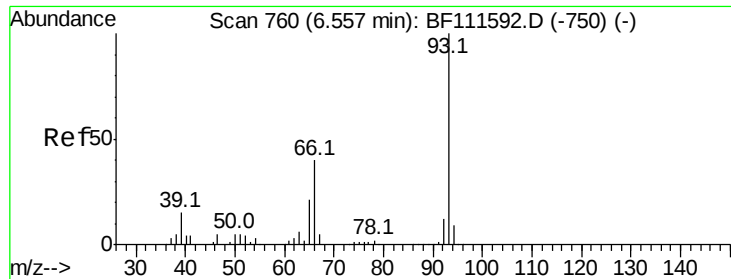
Abundance

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





#6

Aniline

Concen: 7.052 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.05 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Instrument :

BNA_G

ClientSampleId :

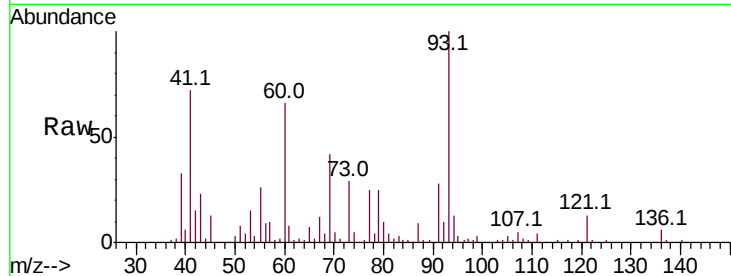
Tot Ion: 93 Resp: 97095

Ion Ratio Lower Upper

93 100

66 2.4 33.2 49.8#

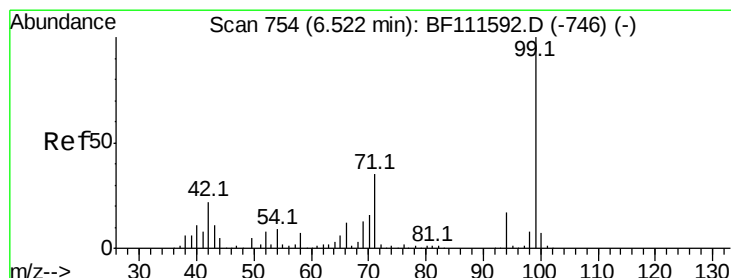
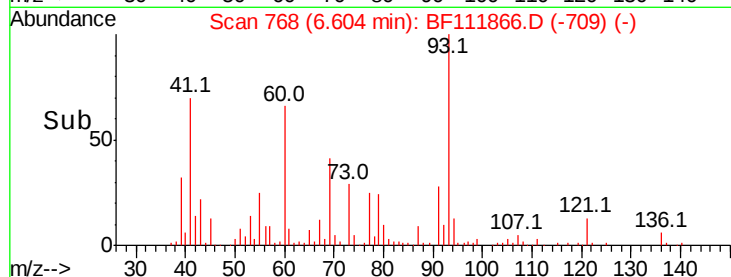
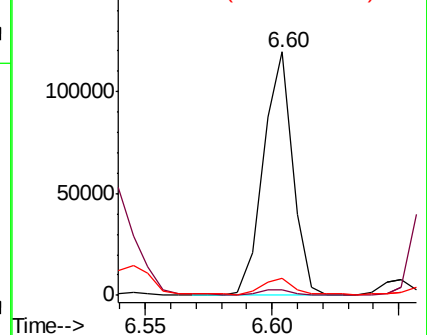
65 7.1 17.0 25.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 94.525 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

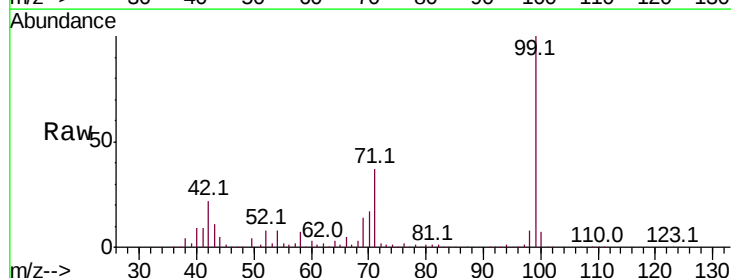
Tgt Ion: 99 Resp: 1021061

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

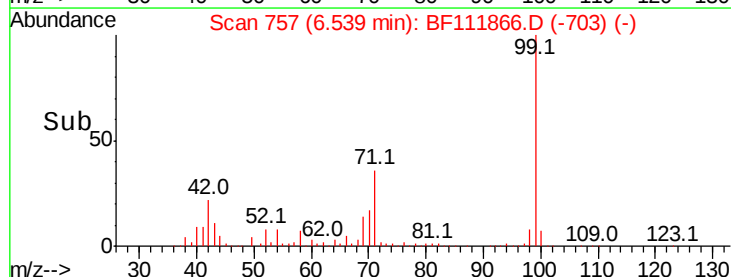
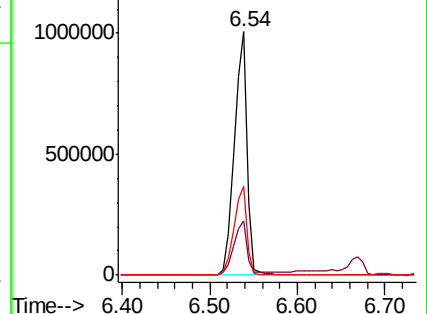
71 36.5 26.1 39.1

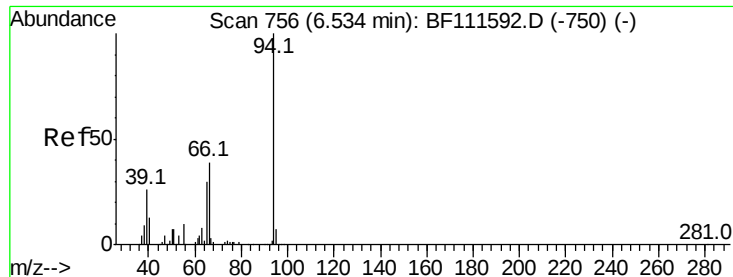


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 2.476 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Instrument :

BNA_G

ClientSampleId :

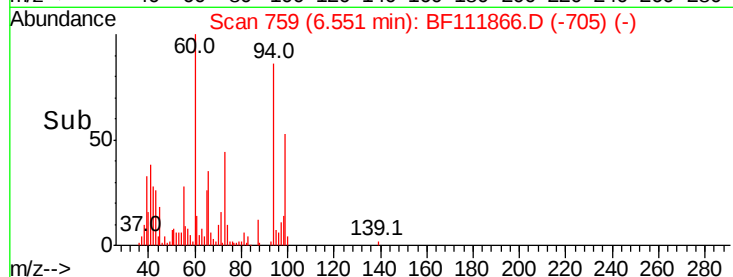
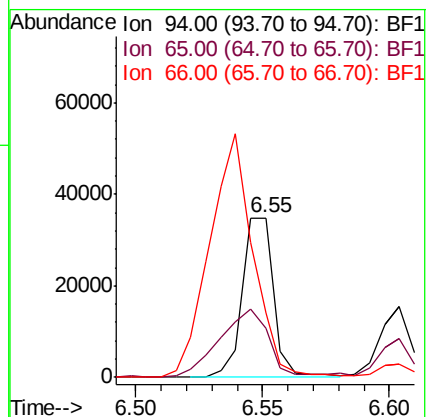
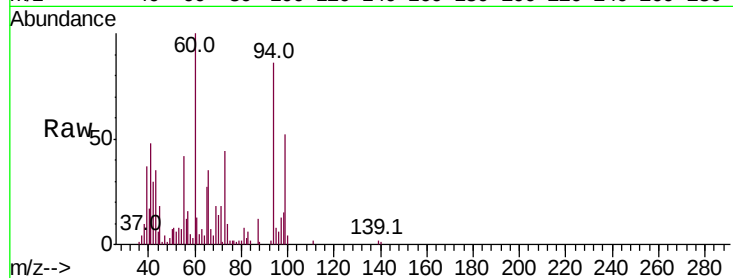
Tot Ion: 94 Resp: 30176

Ion Ratio Lower Upper

94 100

65 31.1 11.7 51.7

66 40.6 21.0 61.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.316 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

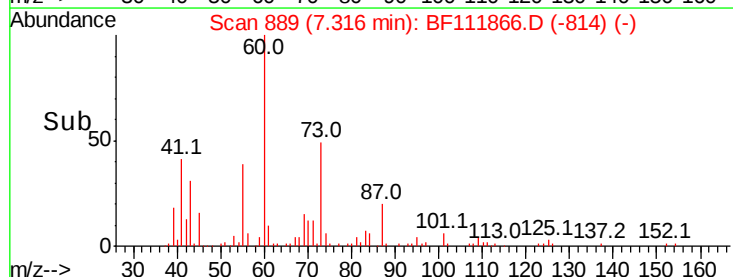
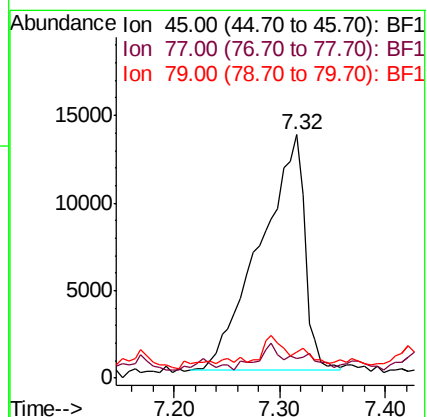
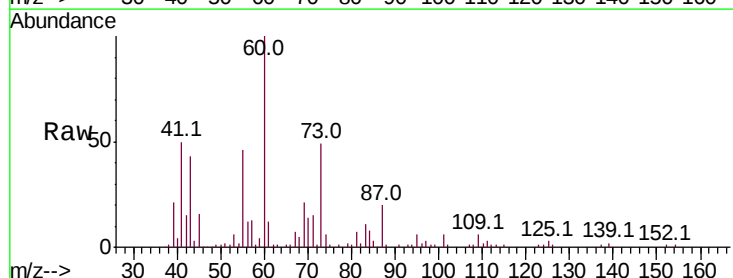
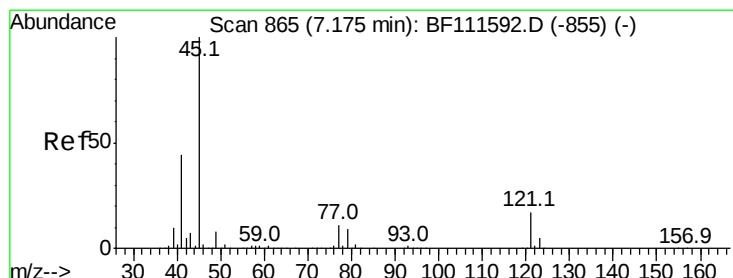
Tgt Ion: 45 Resp: 38961

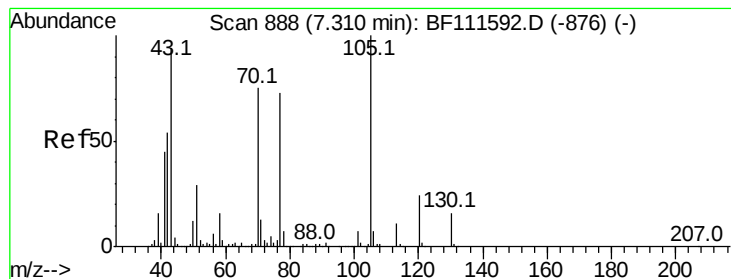
Ion Ratio Lower Upper

45 100

77 8.1 0.0 31.5

79 10.8 0.0 28.9





#19

n-Nitroso-di-n-propylamine

Concen: 2.080 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.01 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 14925

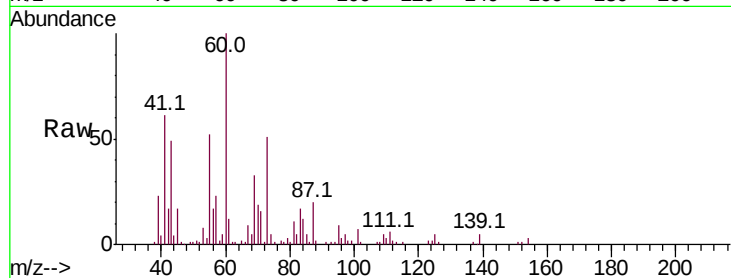
Ion Ratio Lower Upper

70 100

42 86.2 53.2 79.8#

101 37.0 8.2 12.4#

130 0.0 18.1 27.1#

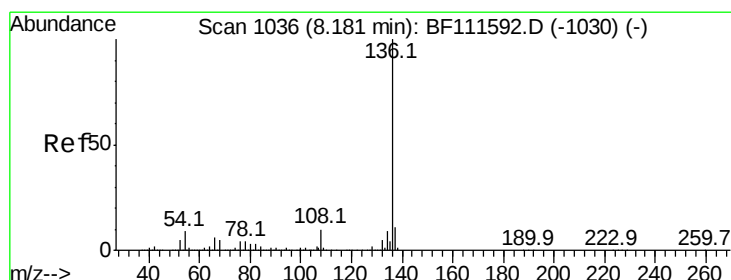
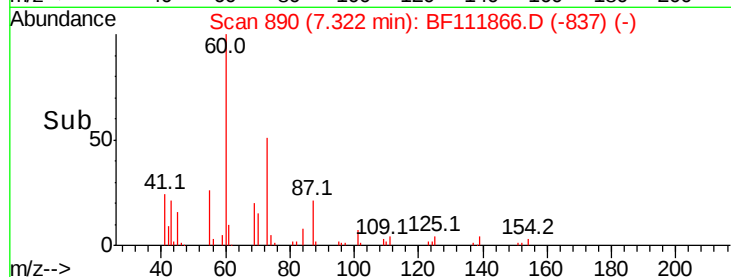
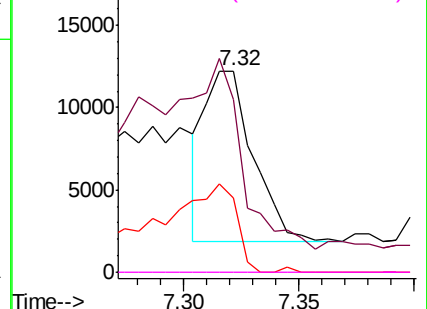


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Tgt Ion: 136 Resp: 533980

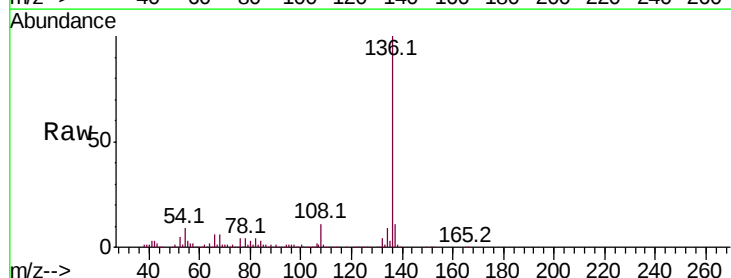
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.1 7.7 11.5

68 5.7 4.9 7.3

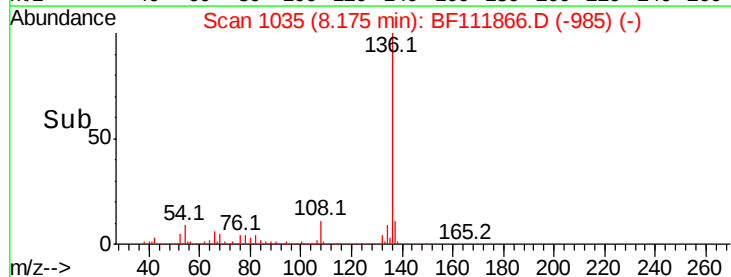
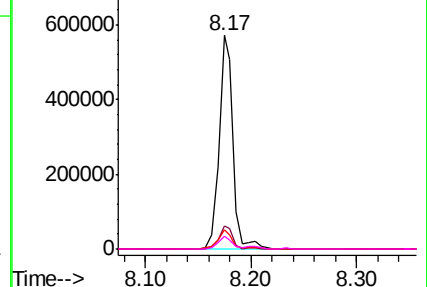


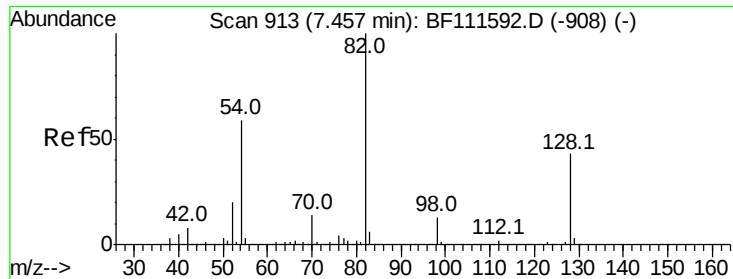
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

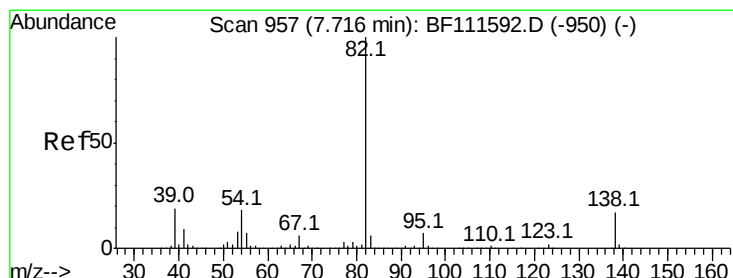
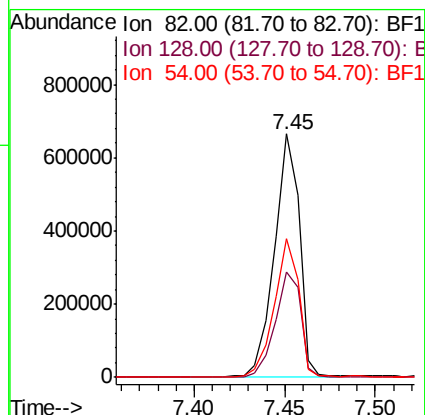
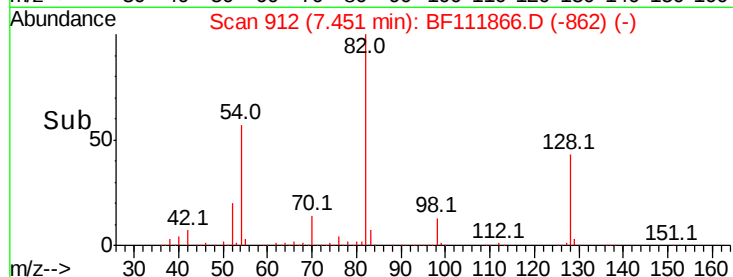
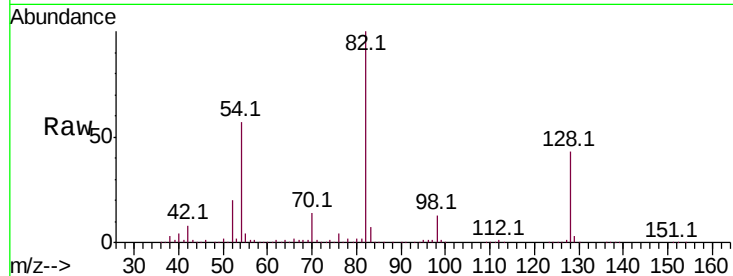




#23
Nitrobenzene-d5
Concen: 69.398 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

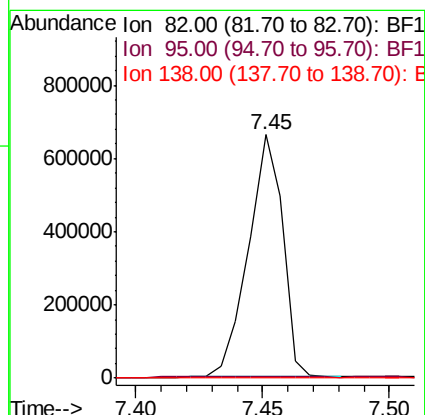
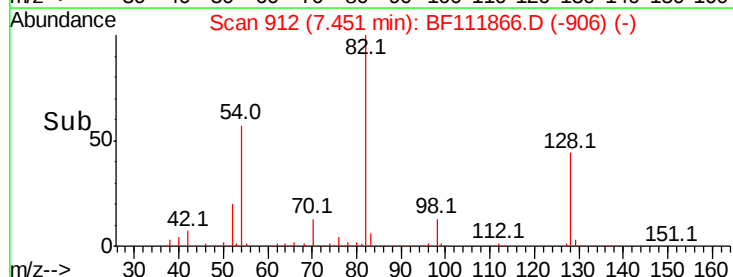
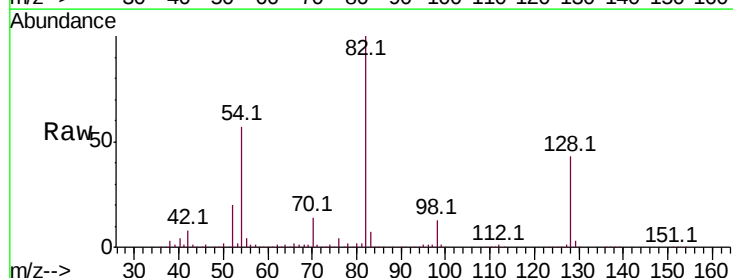
Instrument :
BNA_G
ClientSampleId :

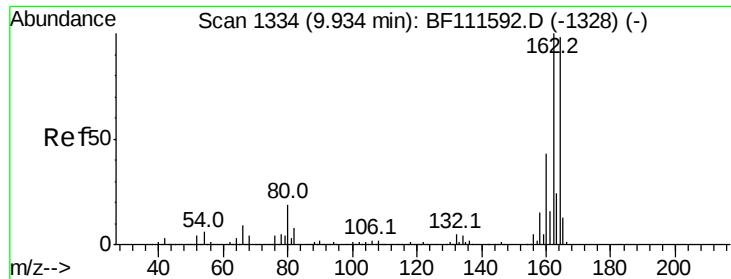
Tot Ion: 82 Resp: 636640
Ion Ratio Lower Upper
82 100
128 43.4 37.4 56.2
54 56.8 47.6 71.4



#25
Isophorone
Concen: 38.460 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

Tgt Ion: 82 Resp: 626357
Ion Ratio Lower Upper
82 100
95 0.8 5.4 8.2#
138 0.1 15.1 22.7#

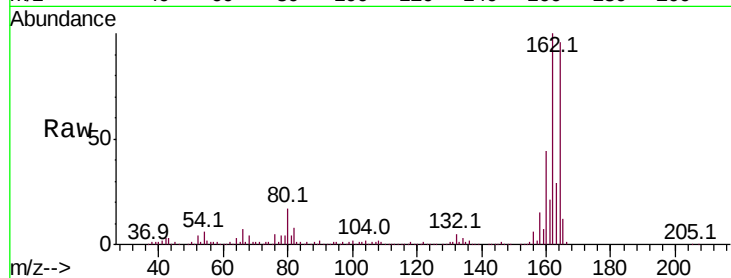




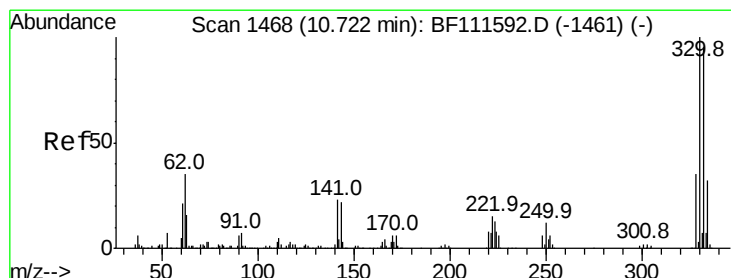
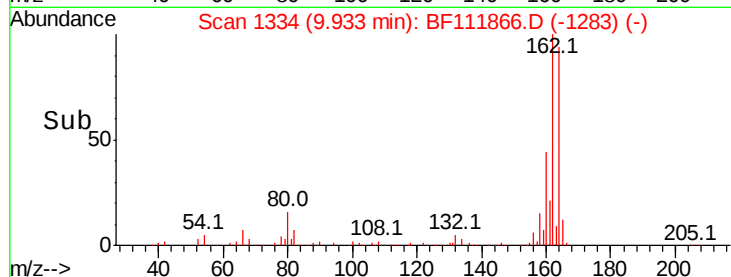
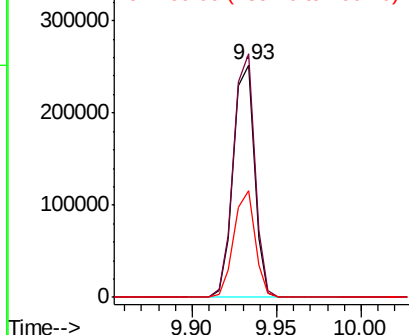
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 220756
 Ion Ratio Lower Upper
 164 100
 162 104.6 81.4 122.0
 160 45.9 35.7 53.5

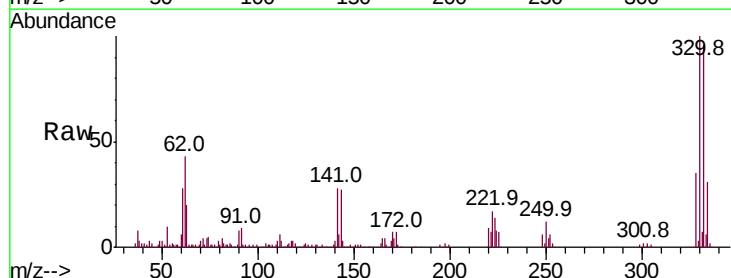


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

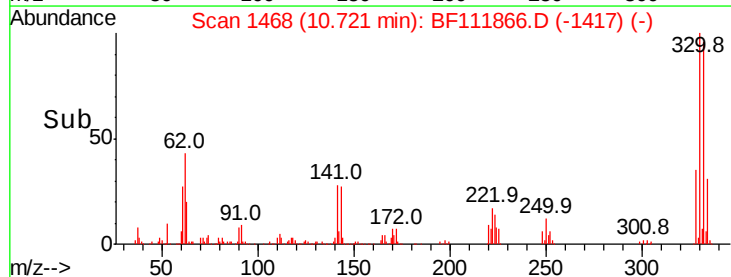
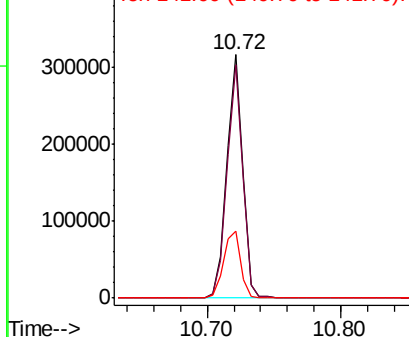


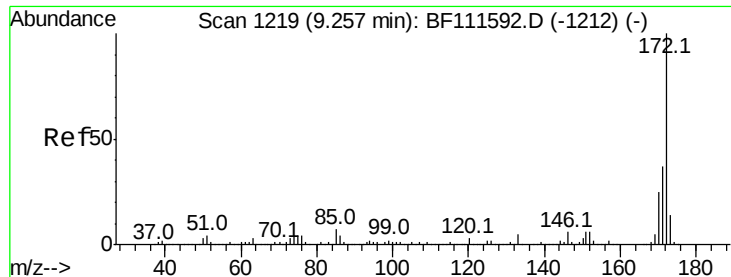
#42
 2,4,6-Tribromophenol
 Concen: 102.623 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

Tgt Ion:330 Resp: 267681
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.0 114.0
 141 29.6 31.0 46.6#



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

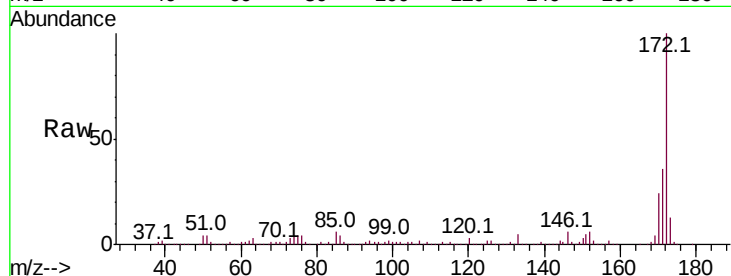




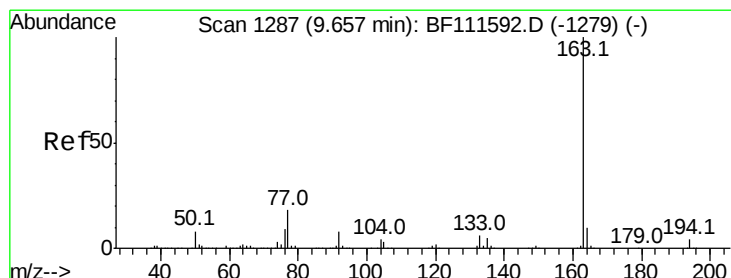
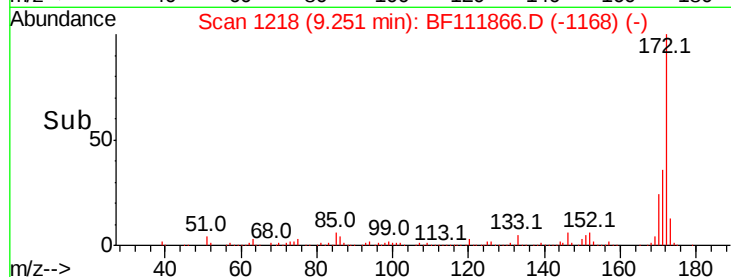
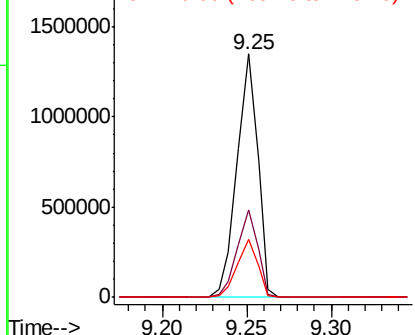
#45
2-Fluorobiphenyl
Concen: 76.456 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1157951
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 23.7 22.3 33.5

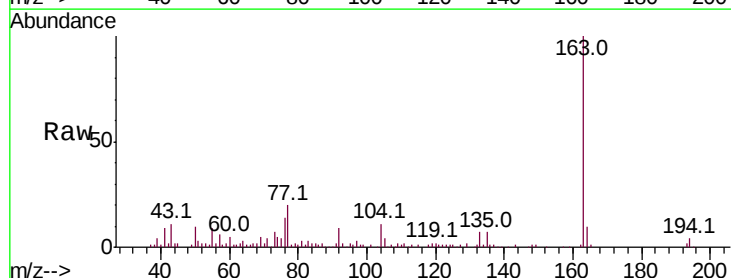


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

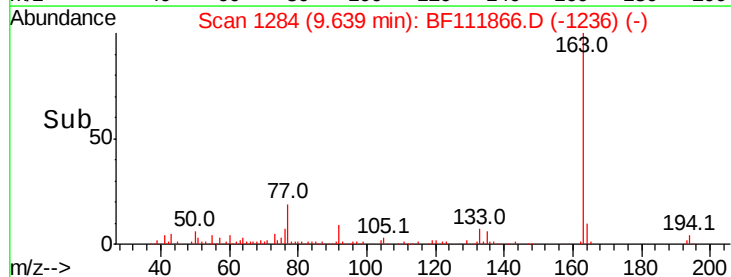
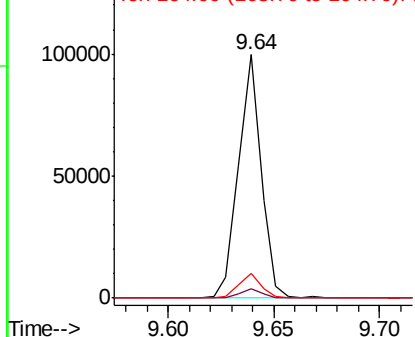


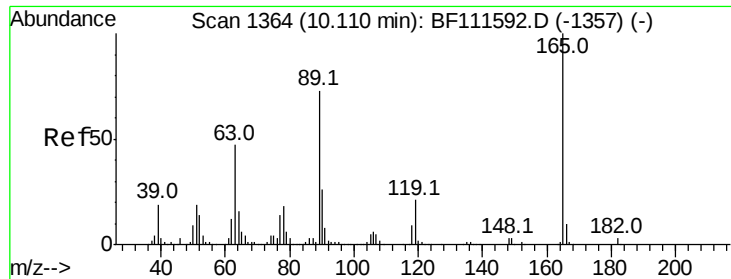
#50
Dimethylphthalate
Concen: 4.596 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111866.D
Acq: 5 Jan 2019 1:03

Tgt Ion:163 Resp: 74192
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 10.2 8.9 13.3



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

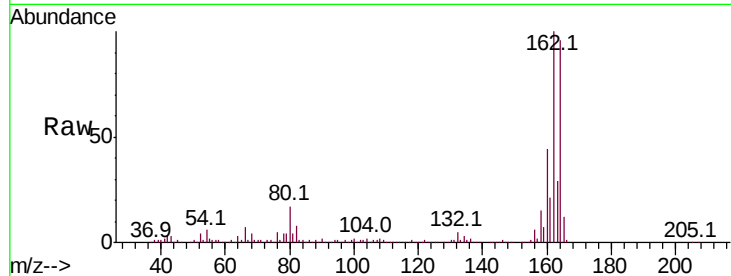




#57
 2,4-Dinitrotoluene
 Concen: 7.655 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	34.6	52.0#
89	1.7	56.2	84.4#
182	0.0	1.8	2.6#

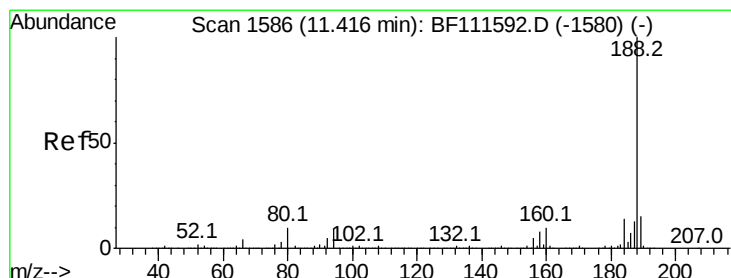
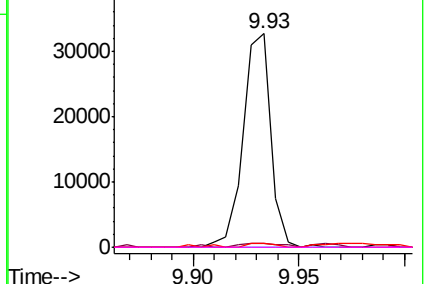
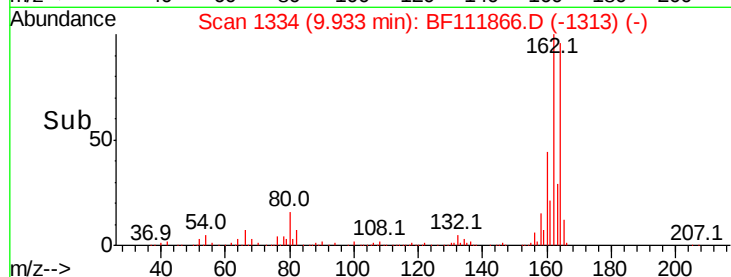


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

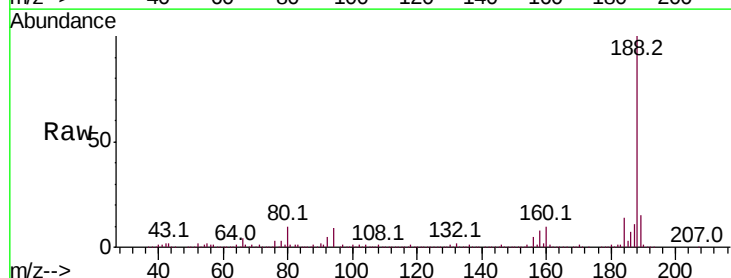
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

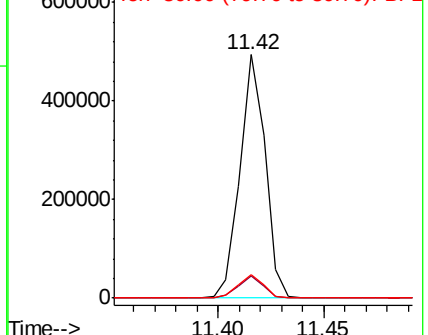
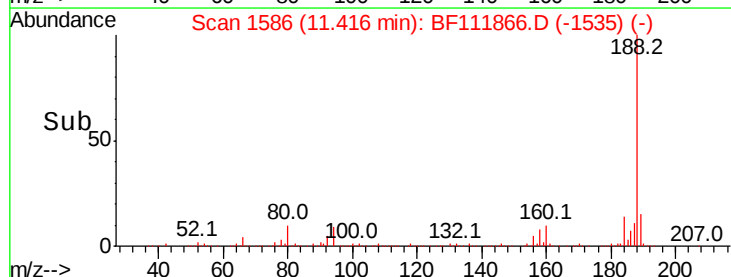
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.6	14.4#
80	9.6	9.8	14.6#

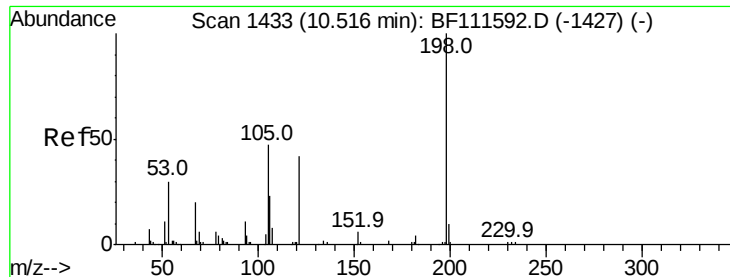


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.027 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Instrument :

BNA_G

ClientSampled :

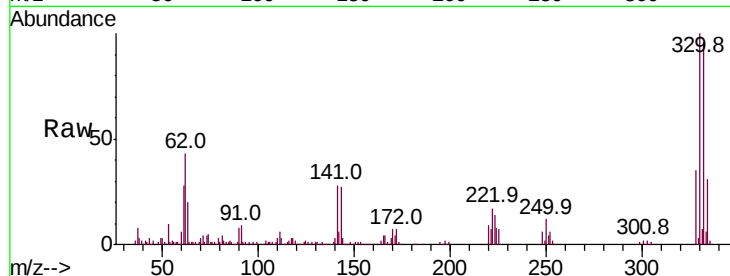
Tot Ion:198 Resp: 655

Ion Ratio Lower Upper

198 100

51 211.7 48.0 88.0#

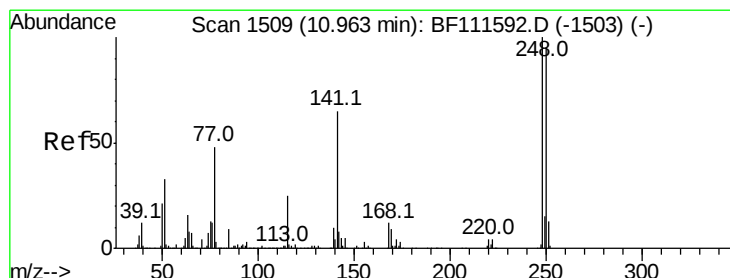
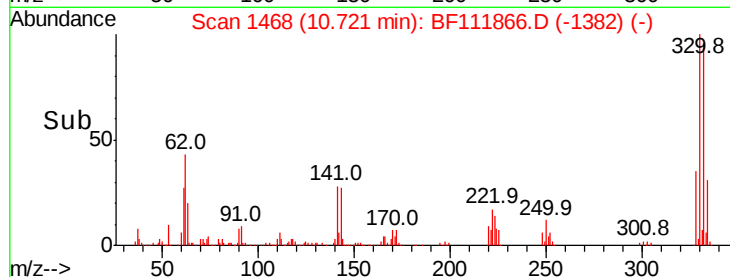
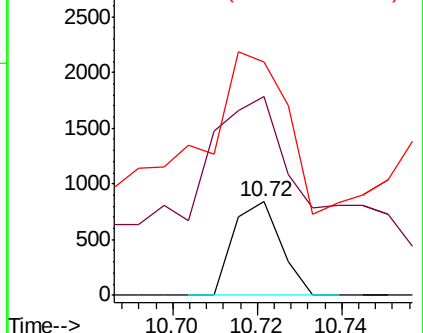
105 249.2 34.0 74.0#



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



#67

4-Bromophenyl-phenylether

Concen: 3.239 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

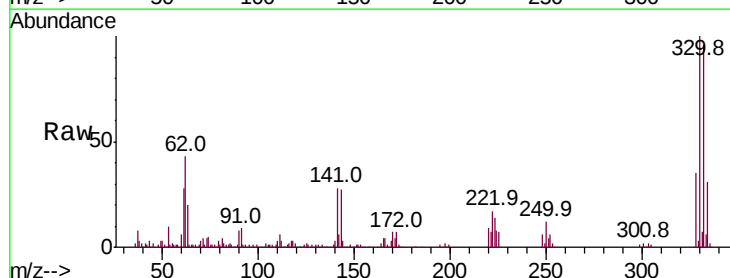
Tgt Ion:248 Resp: 16383

Ion Ratio Lower Upper

248 100

250 199.8 77.0 115.4#

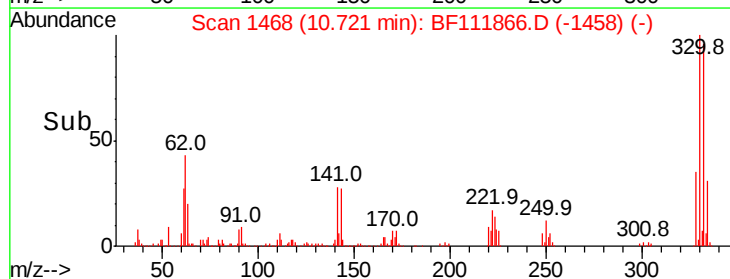
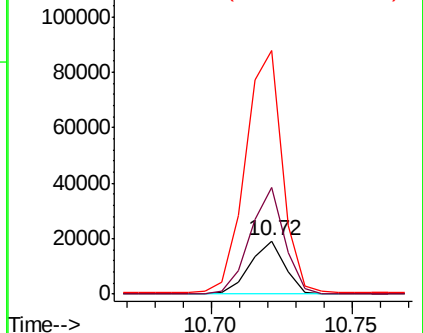
141 455.2 63.0 94.6#

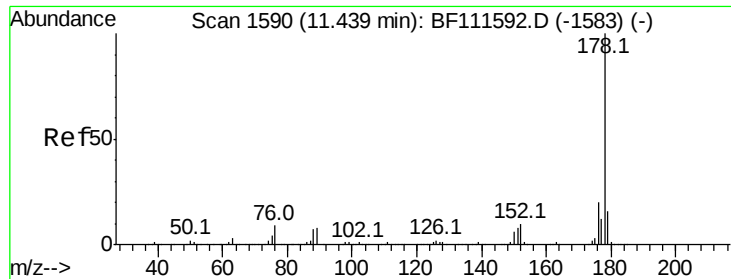


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.079 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

Instrument :

BNA_G

ClientSampleId :

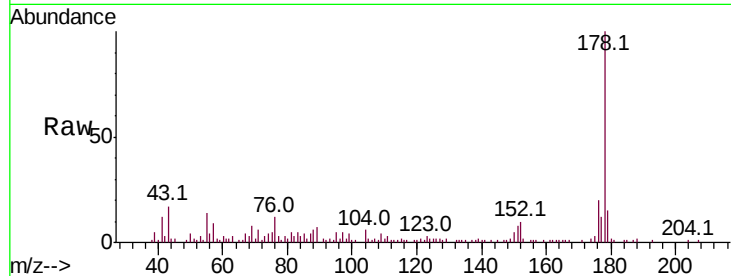
Tot Ion:178 Resp: 44958

Ion Ratio Lower Upper

178 100

176 20.3 18.1 27.1

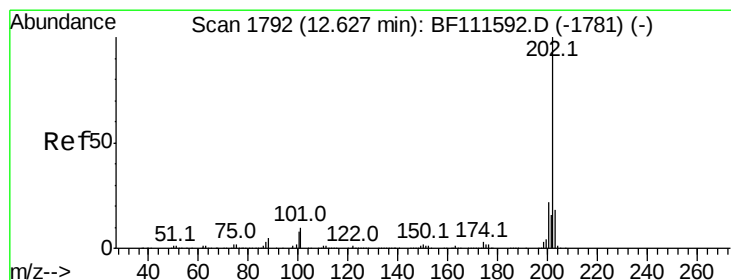
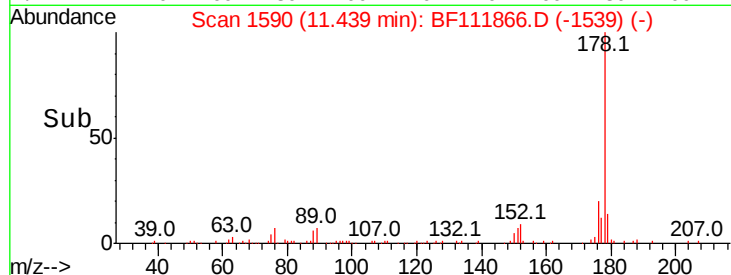
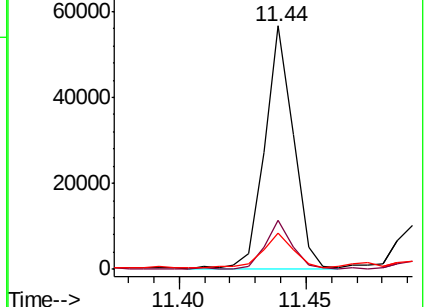
179 14.7 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 2.165 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111866.D

Acq: 5 Jan 2019 1:03

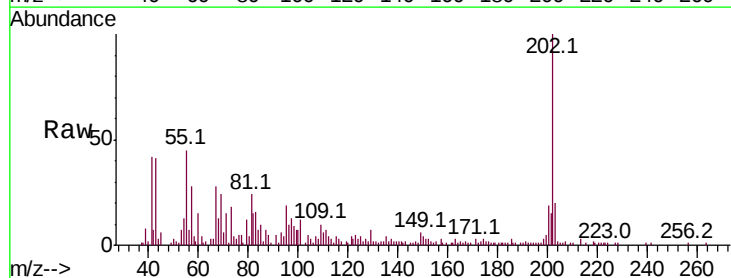
Tgt Ion:202 Resp: 47423

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.8

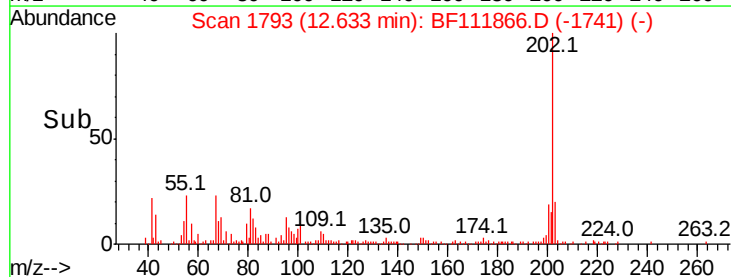
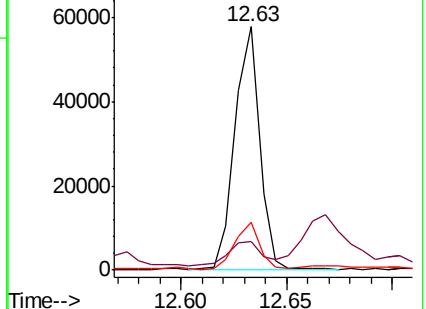
203 19.5 0.0 38.6

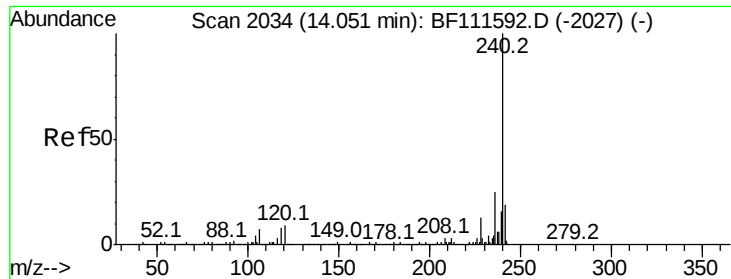


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

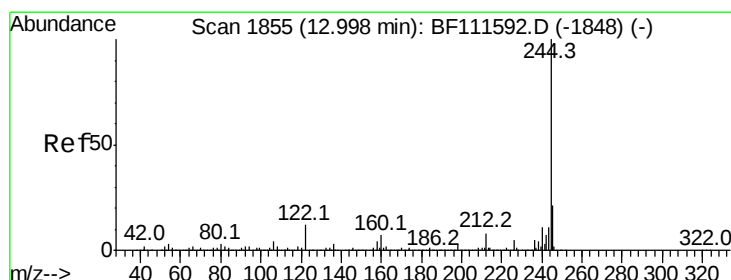
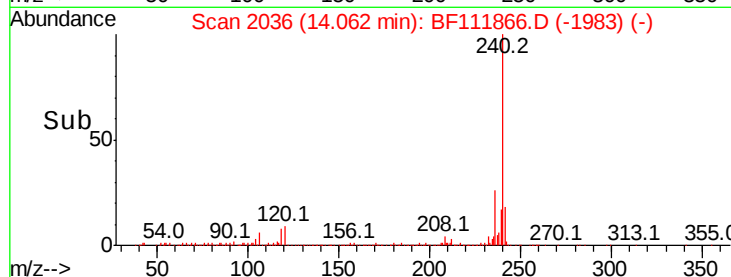
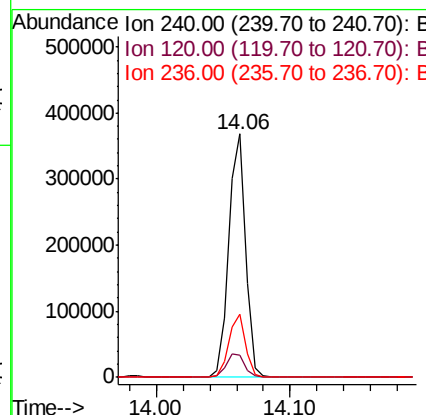
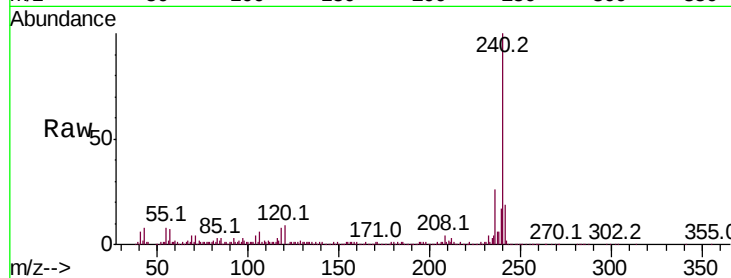




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

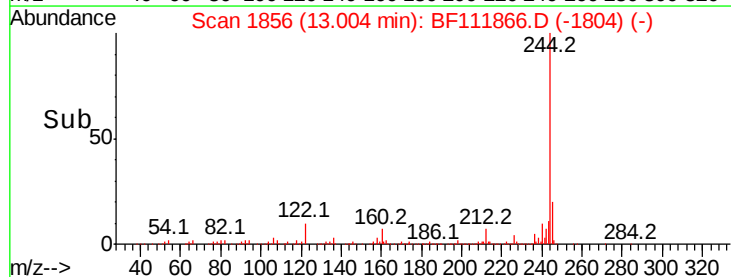
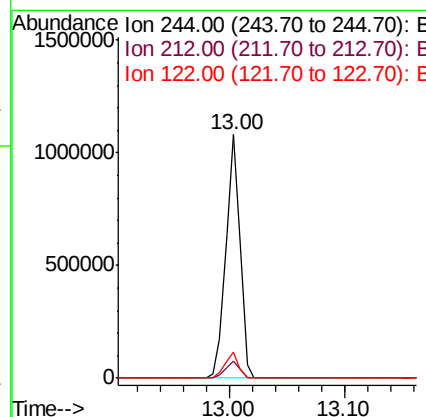
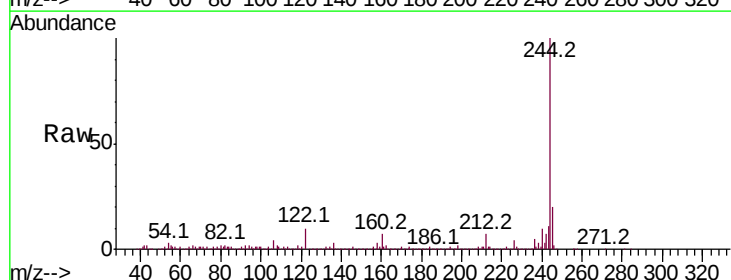
Instrument :
 BNA_G
 ClientSampleId :

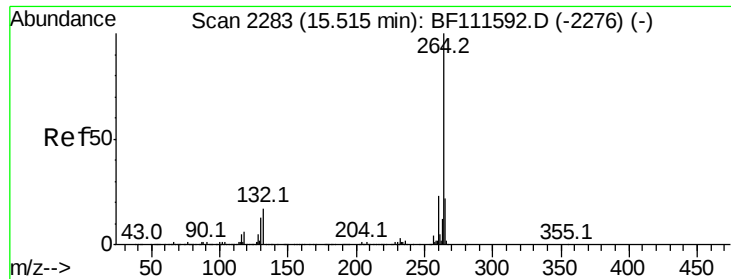
Tot Ion:240 Resp: 327362
 Ion Ratio Lower Upper
 240 100
 120 9.3 12.2 18.2#
 236 25.9 20.2 30.2



#79
 Terphenyl-d14
 Concen: 53.219 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

Tgt Ion:244 Resp: 918672
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.4 13.1 19.7#

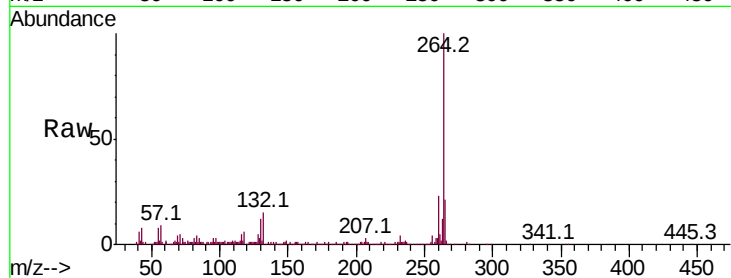




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.03 min
 Lab File: BF111866.D
 Acq: 5 Jan 2019 1:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	21.3	17.7	26.5



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

