

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042853.D
 Acq On : 16 Sep 2019 17:55
 Operator : HP/JU
 Sample : K4859-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:20:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	100693	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	367258	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	246222	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	548537	20.00	ng	0.00
76) Chrysene-d12	21.75	240	545761	20.00	ng	0.00
87) Perylene-d12	25.03	264	601832	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	366650	63.31	ng	0.00
7) Phenol-d6	7.26	99	323786	38.95	ng	0.00
23) Nitrobenzene-d5	9.27	82	792923	112.40	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	508344	155.18	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1624059	104.41	ng	0.00
79) Terphenyl-d14	20.08	244	2462093	99.98	ng	0.00

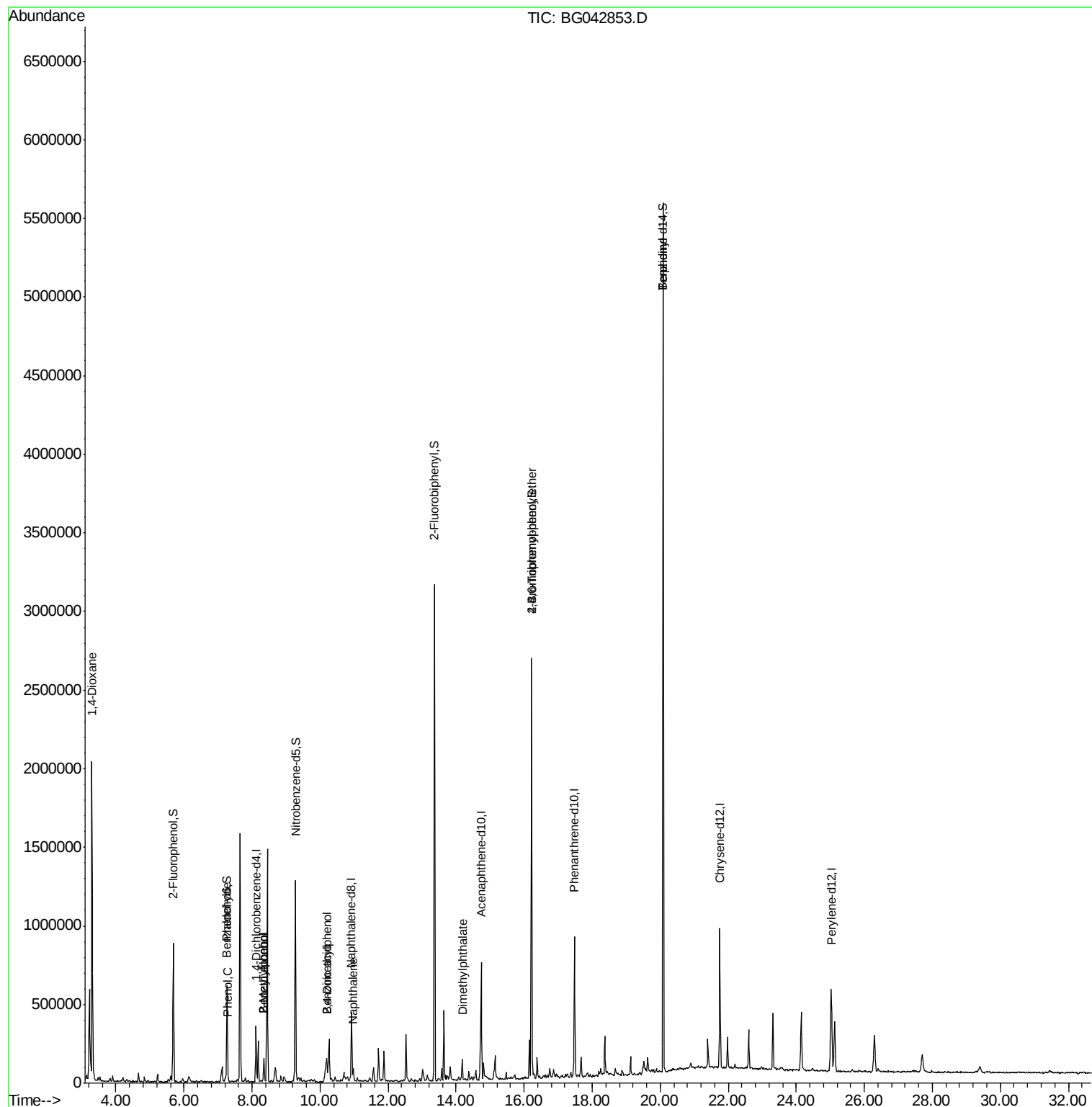
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	18070	6.836	ng	# 1
9) Benzaldehyde	7.25	77	25007	4.623	ng	88
10) Phenol	7.29	94	23197	2.721	ng	90
15) Benzyl Alcohol	8.35	79	52947	7.422	ng	99
17) 2-Methylphenol	8.35	107	25883	4.538	ng	# 1
27) 2,4-Dimethylphenol	10.20	122	87364	16.963	ng	# 1
31) Naphthalene	10.98	128	61017	3.365	ng	94
32) Benzoic acid	10.20	122	87364	24.330	ng	93
50) Dimethylphthalate	14.18	163	85163	4.617	ng	100
67) 4-Bromophenyl-phenylether	16.22	248	35440	5.338	ng	# 1
77) Benzidine	20.08	184	45823	3.005	ng	# 94

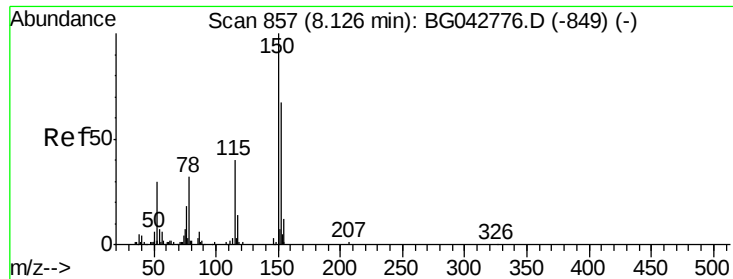
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 01:20:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
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QLast Update : Thu Sep 12 14:06:09 2019
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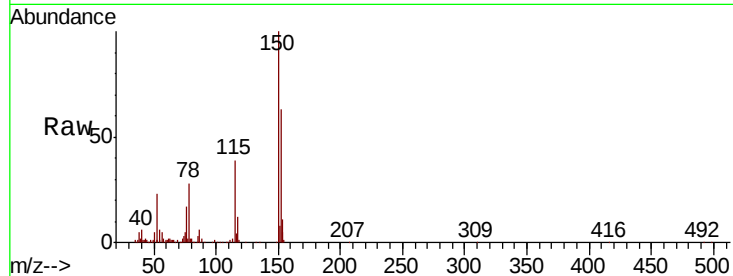


#1

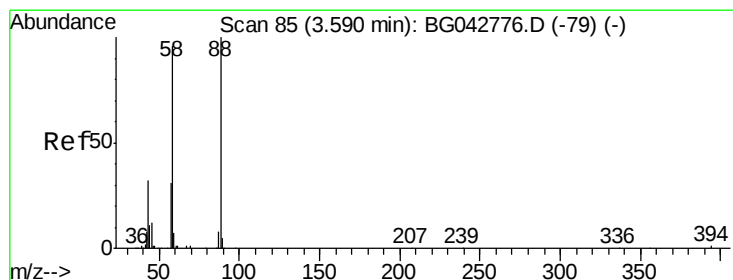
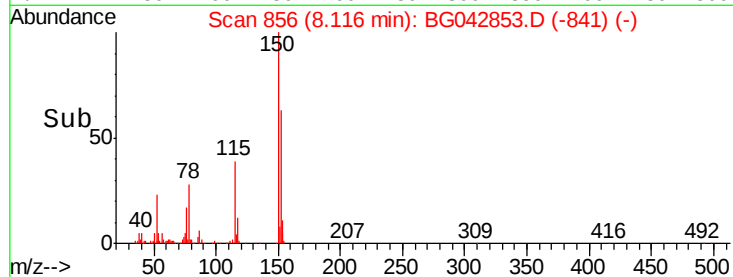
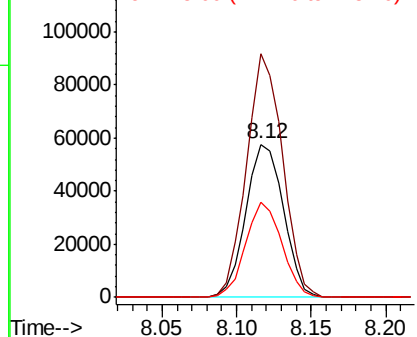
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 100693
Ion Ratio Lower Upper
152 100
150 158.8 118.9 178.3
115 62.4 47.4 71.2



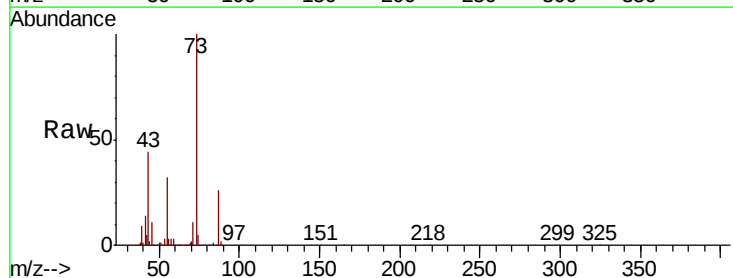
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



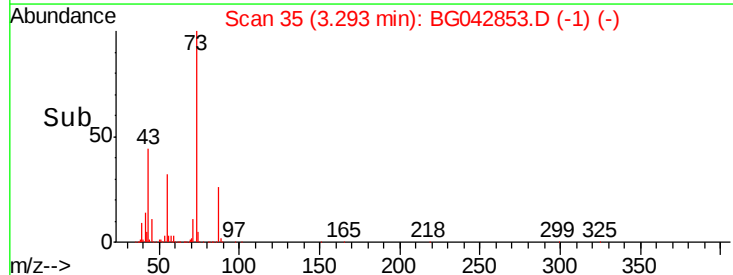
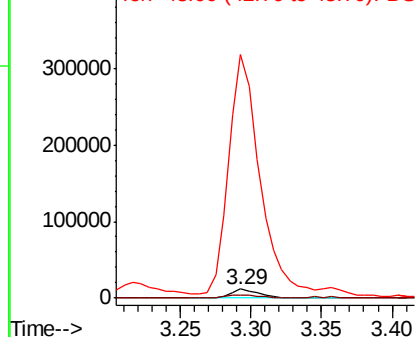
#2

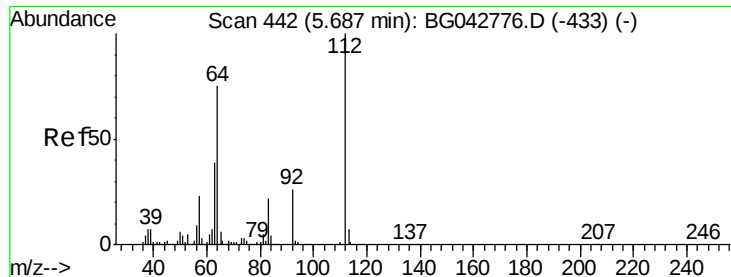
1,4-Dioxane
Concen: 6.836 ng
RT: 3.29 min Scan# 35
Delta R.T. -0.30 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

Tgt Ion: 88 Resp: 18070
Ion Ratio Lower Upper
88 100
58 27.2 79.1 118.7#
43 2632.3 30.4 45.6#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 63.305 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA_G

ClientSampleId :

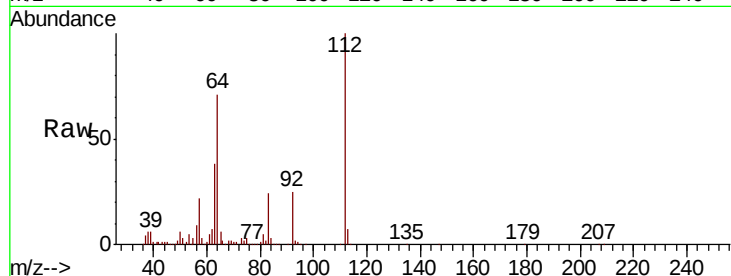
Tot Ion:112 Resp: 366650

Ion Ratio Lower Upper

112 100

64 71.3 60.2 90.2

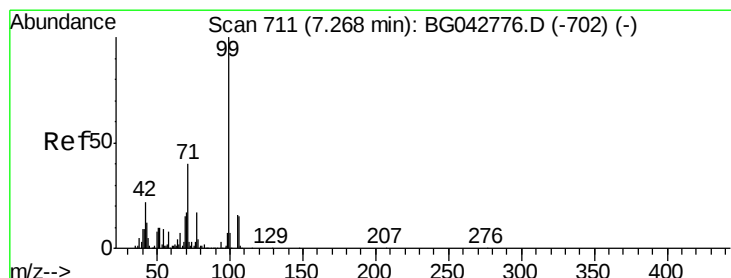
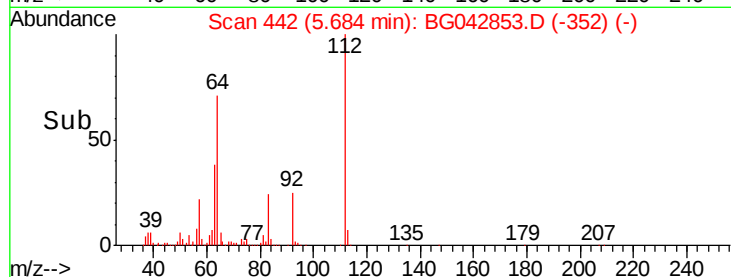
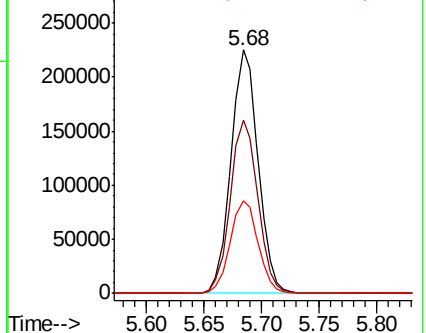
63 38.0 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 38.949 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

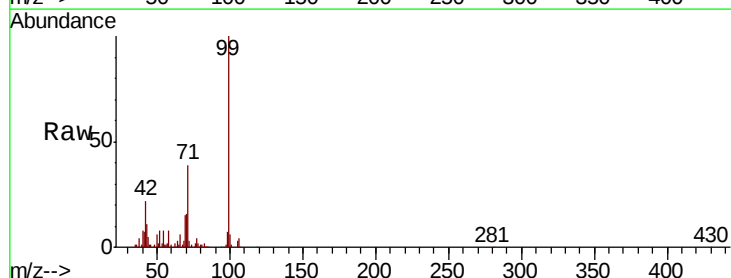
Tgt Ion: 99 Resp: 323786

Ion Ratio Lower Upper

99 100

42 21.7 17.5 26.3

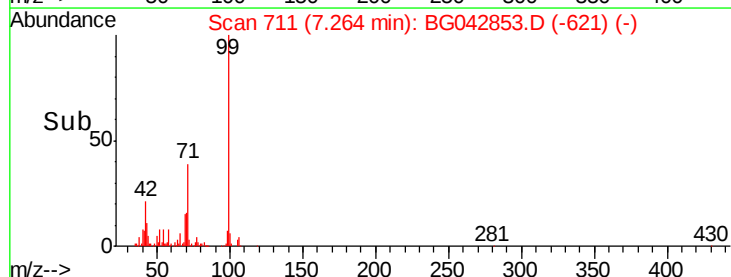
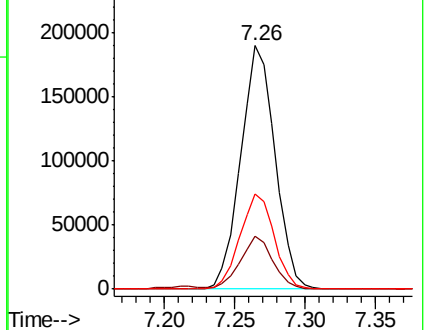
71 39.2 32.0 48.0

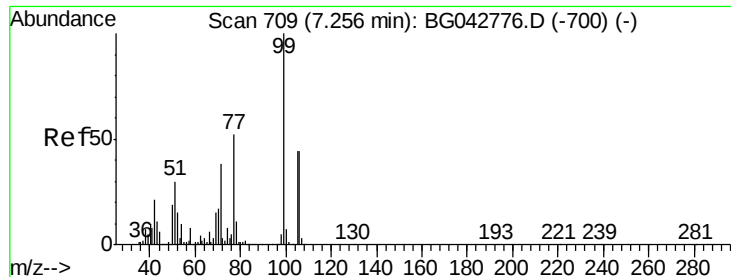


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 4.623 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

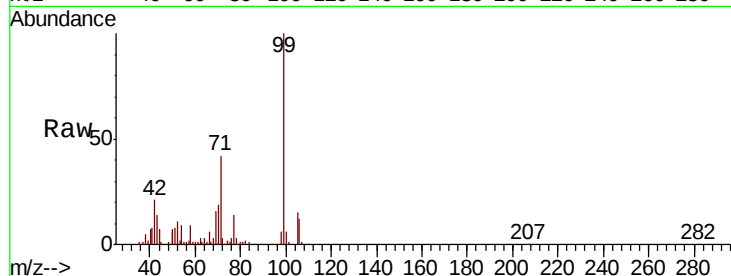
Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 25007

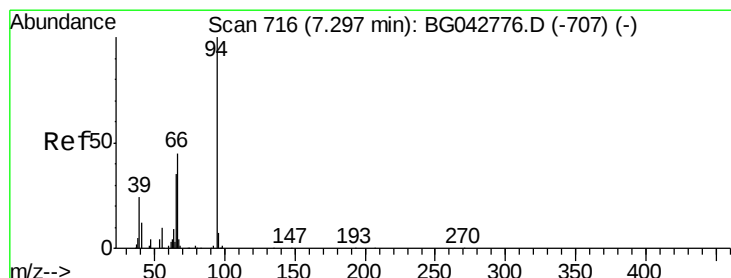
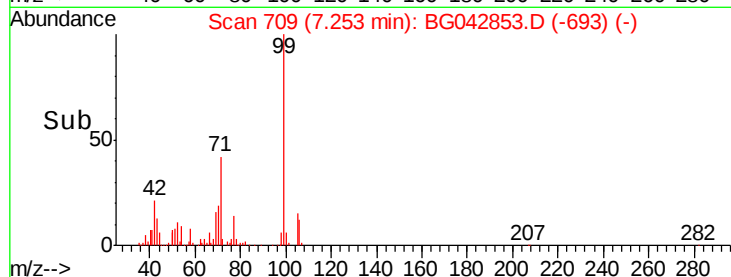
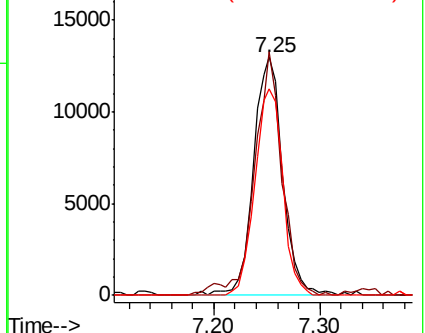
Ion	Ratio	Lower	Upper
77	100		
105	102.2	64.5	104.5
106	86.6	63.4	103.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 2.721 ng

RT: 7.29 min Scan# 716

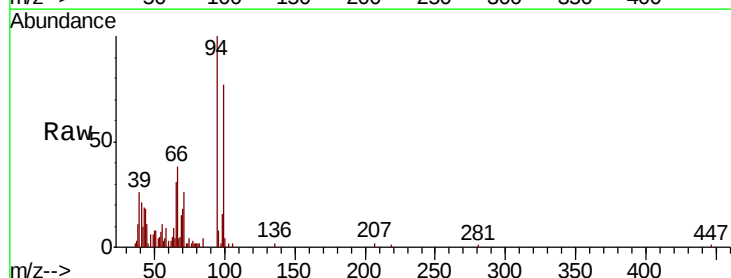
Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Tgt Ion: 94 Resp: 23197

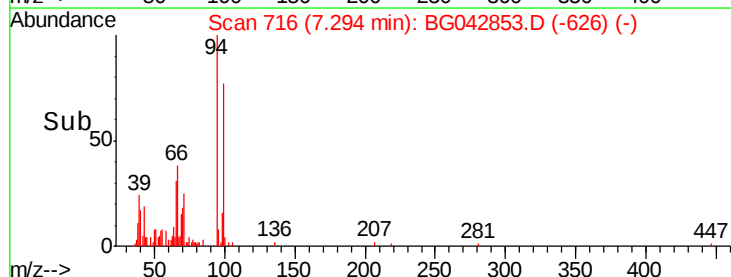
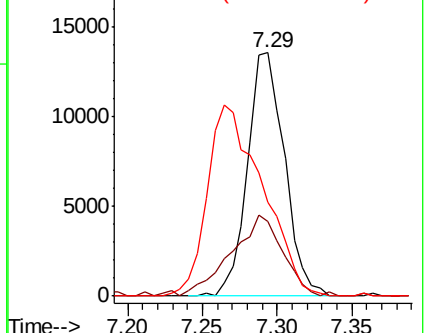
Ion	Ratio	Lower	Upper
94	100		
65	30.6	15.0	55.0
66	38.4	26.1	66.1

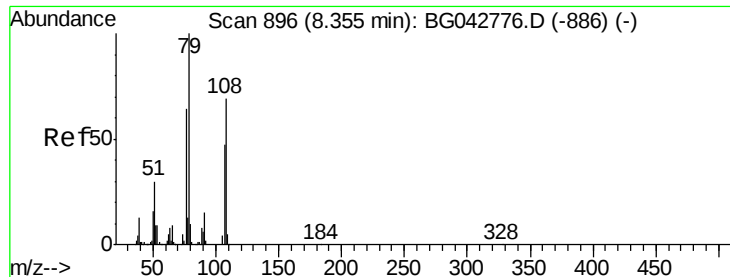


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 7.422 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA_G

ClientSampleId :

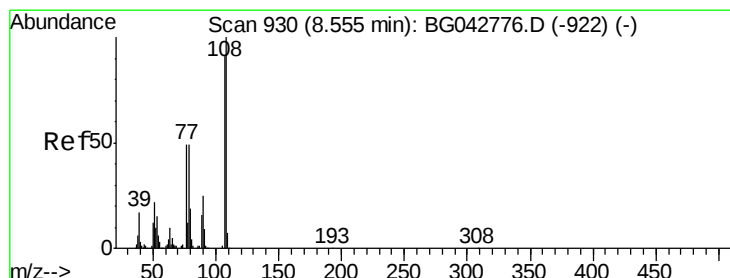
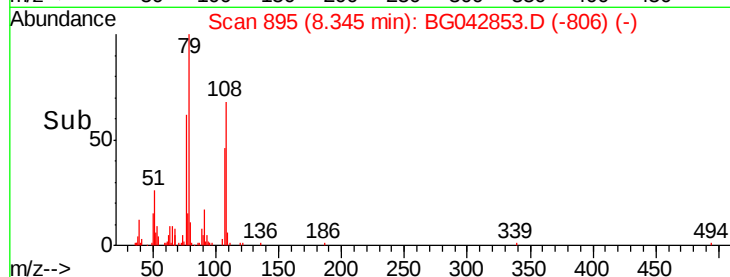
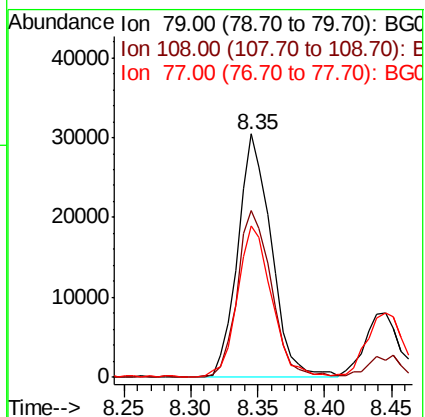
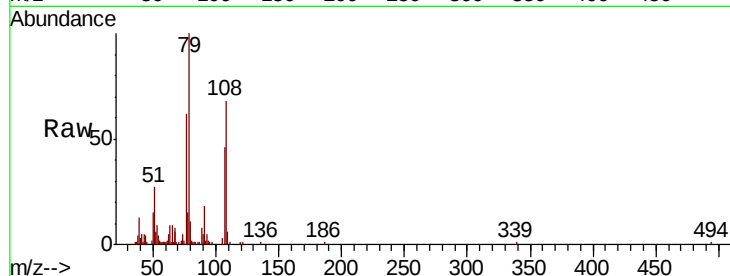
Tot Ion: 79 Resp: 52947

Ion Ratio Lower Upper

79 100

108 68.3 54.9 82.3

77 62.2 51.0 76.6



#17

2-Methylphenol

Concen: 4.538 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.21 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Tgt Ion: 107 Resp: 25883

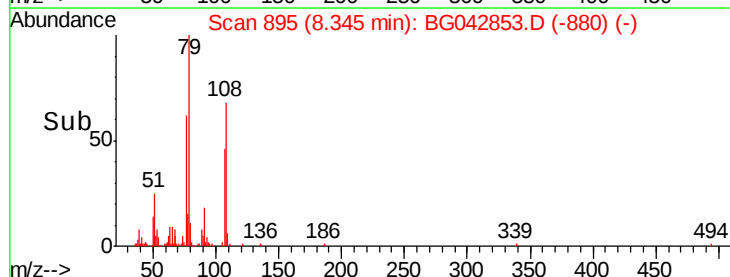
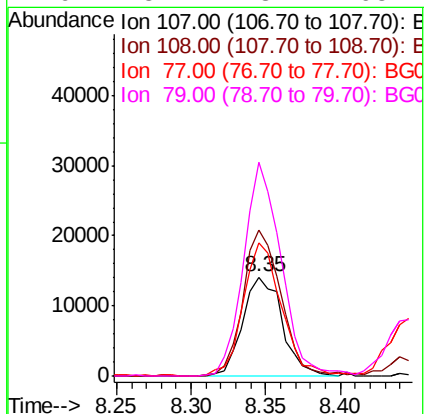
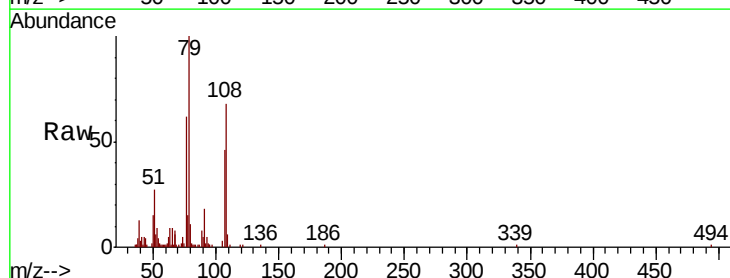
Ion Ratio Lower Upper

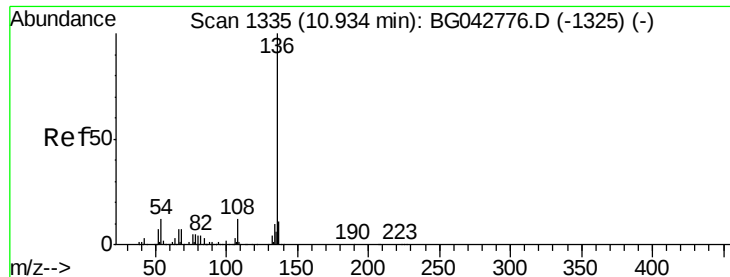
107 100

108 147.1 87.7 131.5#

77 134.0 42.6 64.0#

79 215.4 43.4 65.2#

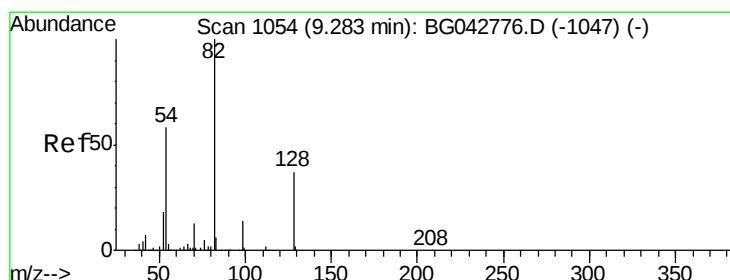
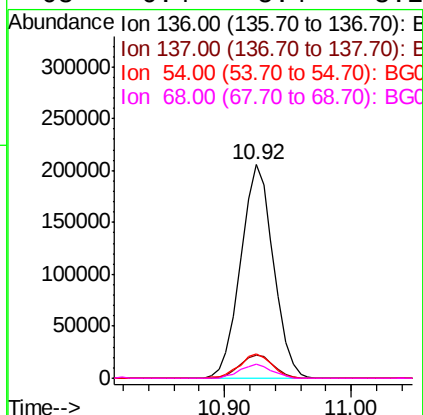
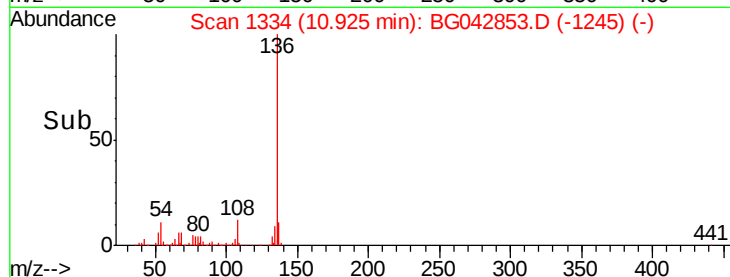
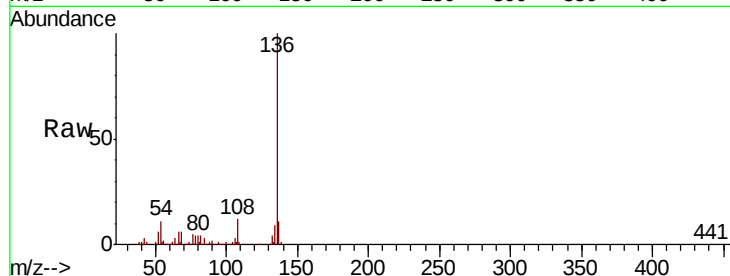




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

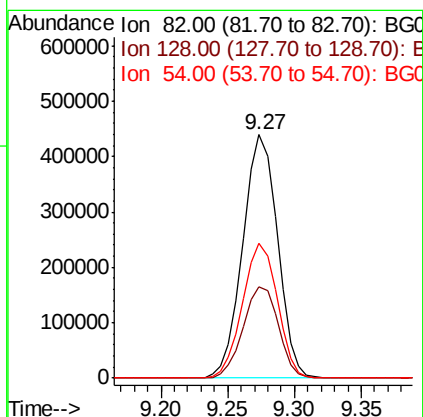
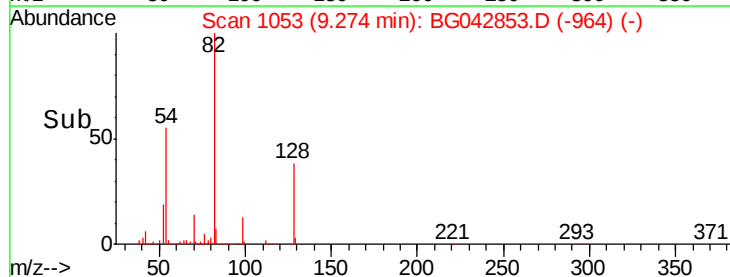
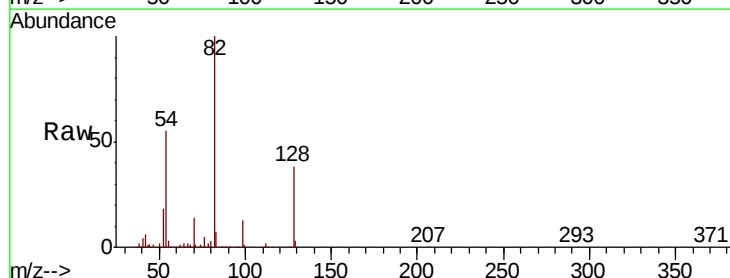
Instrument :
BNA_G
ClientSampleId :

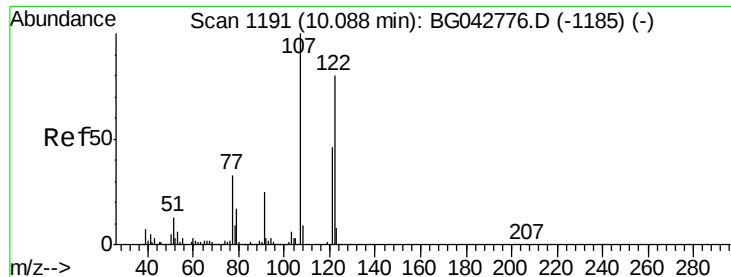
Tot Ion:136	Resp:	367258	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.0	13.6	
54 11.5	9.4	14.0	
68 6.4	5.4	8.2	



#23
Nitrobenzene-d5
Concen: 112.405 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

Tgt Ion: 82	Resp: 792923
Ion Ratio	Lower Upper
82 100	
128 37.7	29.8 44.8
54 55.2	46.1 69.1





#27

2,4-Dimethylphenol

Concen: 16.963 ng

RT: 10.20 min Scan# 1211

Delta R.T. 0.11 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA_G

ClientSampleId :

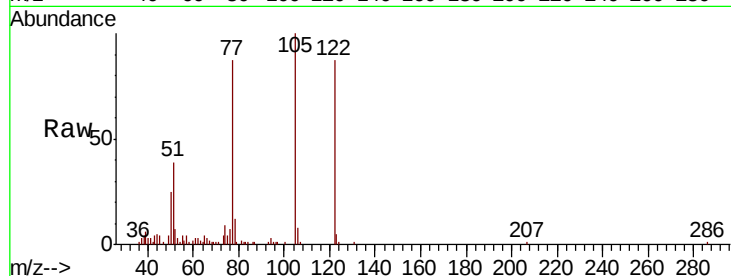
Tot Ion:122 Resp: 87364

Ion Ratio Lower Upper

122 100

107 0.7 98.9 148.3#

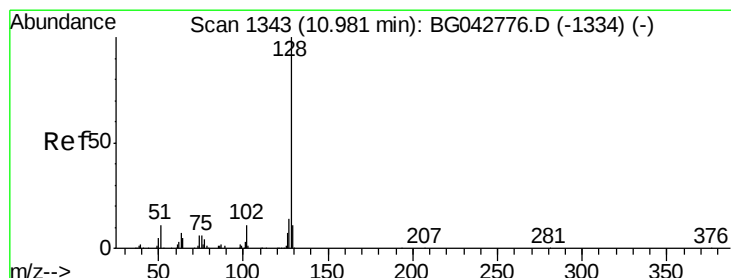
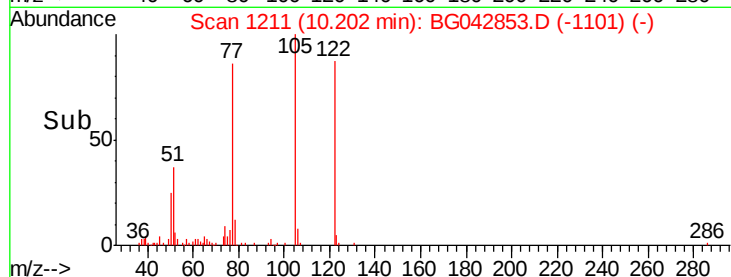
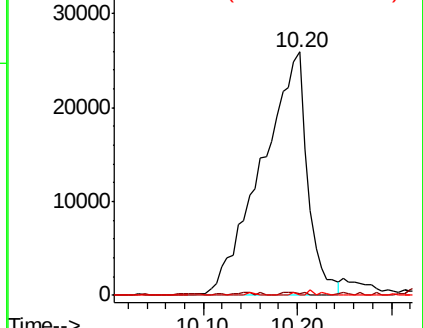
121 0.0 46.2 69.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 3.365 ng

RT: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

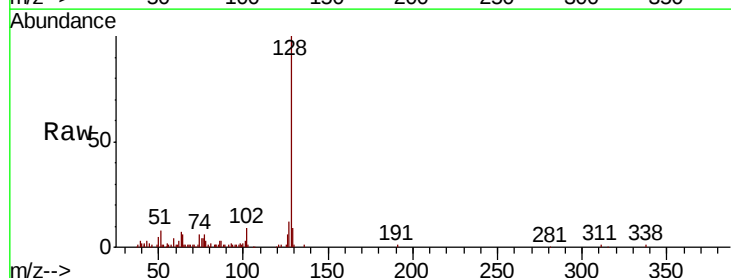
Tgt Ion:128 Resp: 61017

Ion Ratio Lower Upper

128 100

129 9.3 9.0 13.6

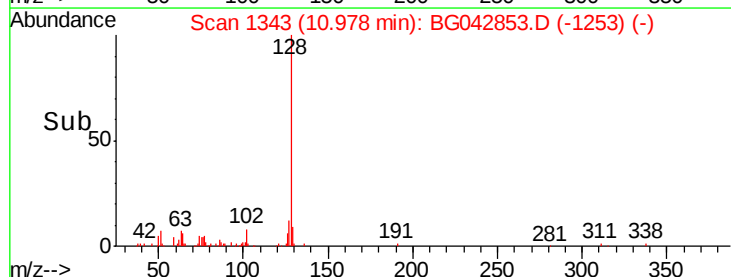
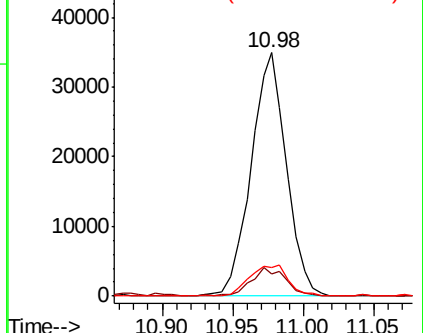
127 11.7 11.4 17.2

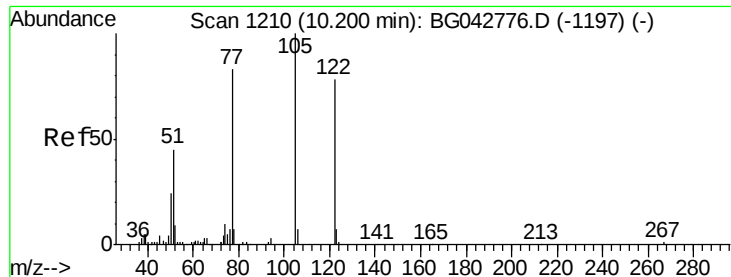


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 24.330 ng

RT: 10.20 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA_G

ClientSampleId :

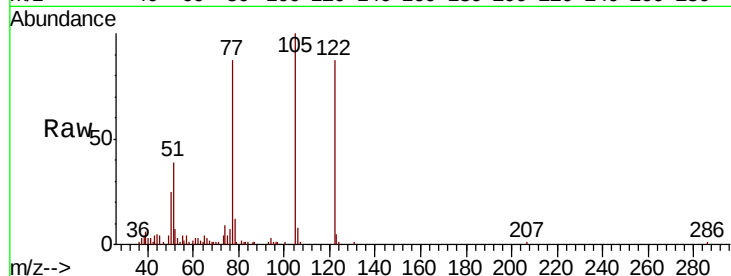
Tot Ion:122 Resp: 87364

Ion Ratio Lower Upper

122 100

105 114.5 104.0 144.0

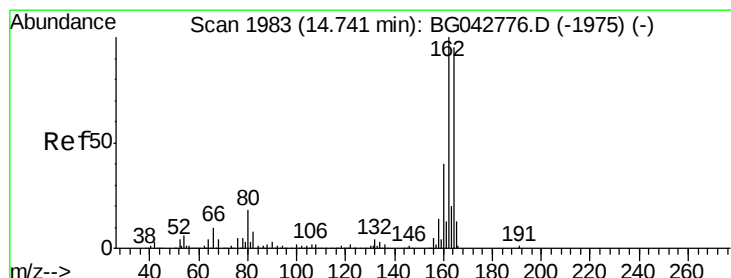
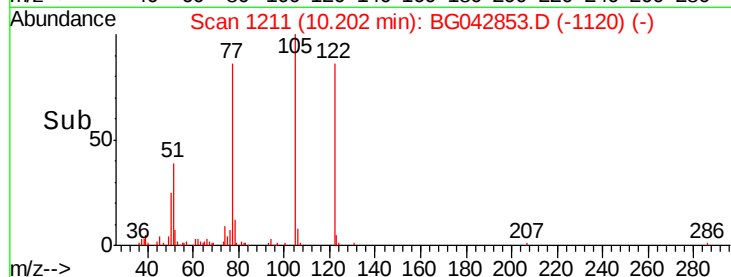
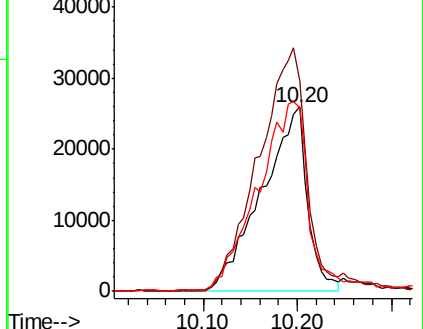
77 99.6 84.2 124.2



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

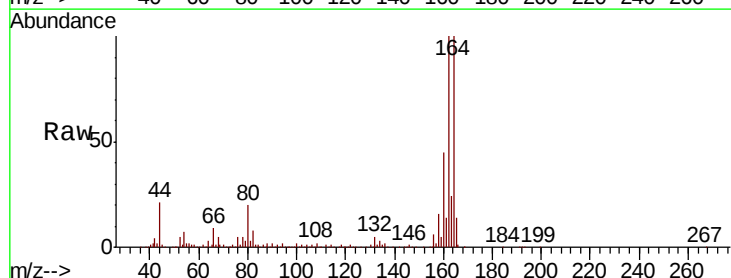
Tgt Ion:164 Resp: 246222

Ion Ratio Lower Upper

164 100

162 99.8 84.6 126.8

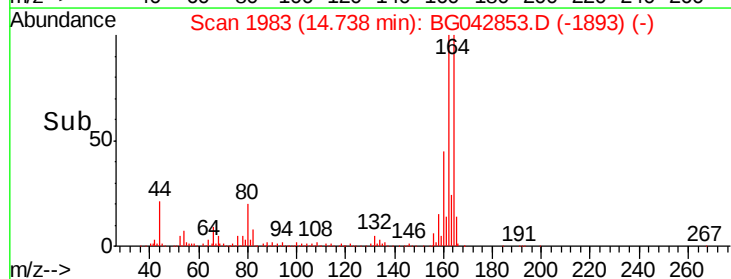
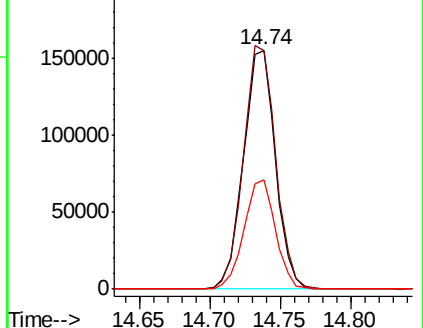
160 45.4 34.2 51.2

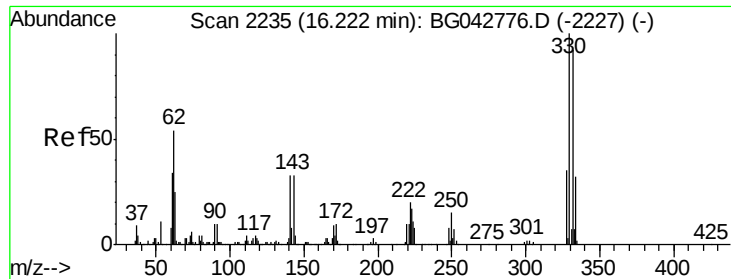


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

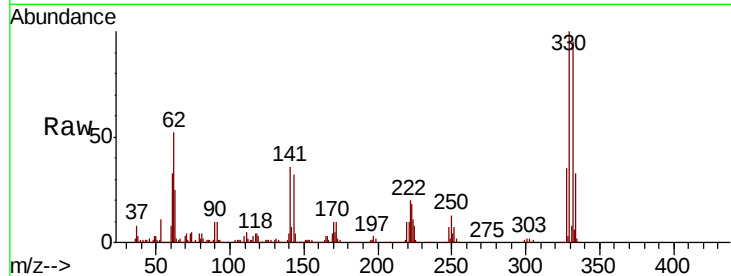




#42
 2,4,6-Tribromophenol
 Concen: 155.182 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042853.D
 Acq: 16 Sep 2019 17:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	35.2	27.0	40.6

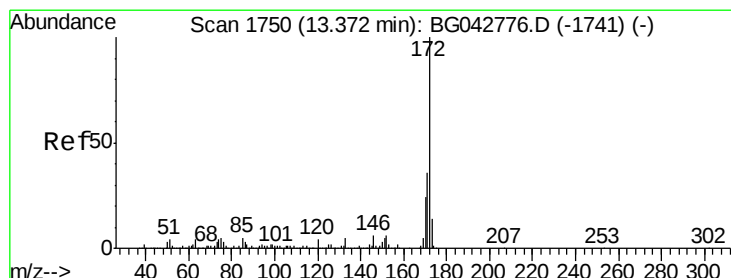
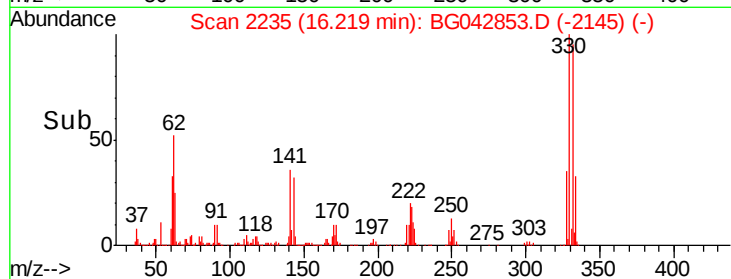
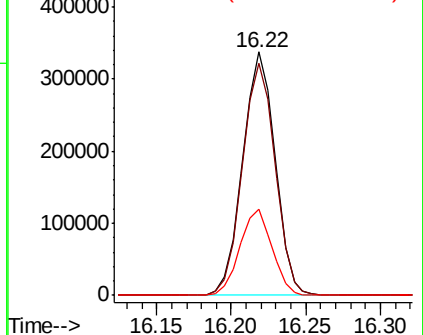


Abundance

Ion 329.80 (329.50 to 330.50): E

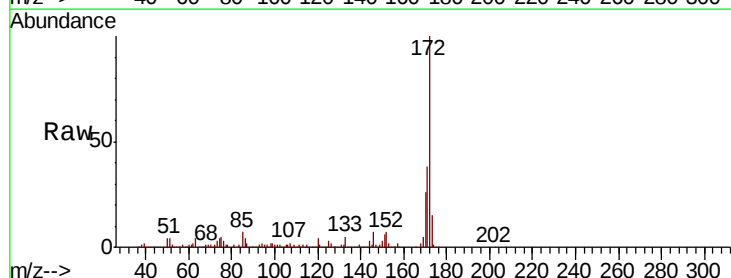
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.409 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042853.D
 Acq: 16 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.9	43.3
170	26.0	19.1	28.7

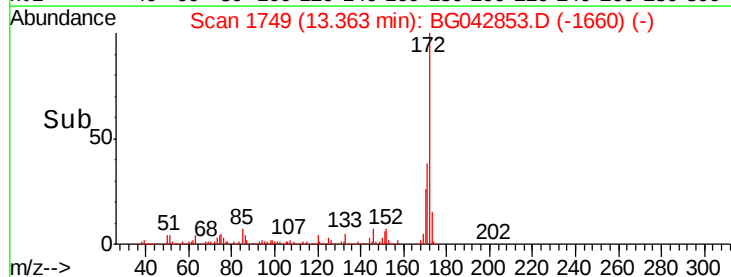
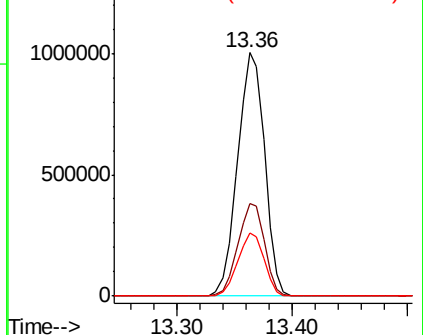


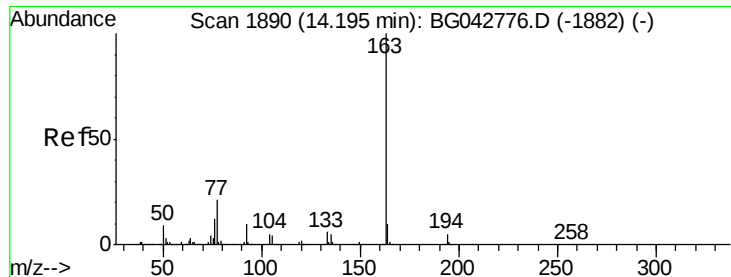
Abundance

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

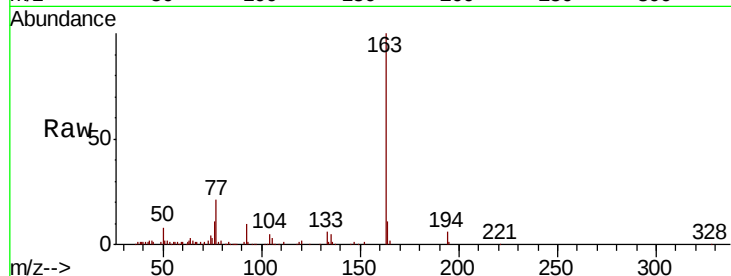




#50
Dimethylphthalate
Concen: 4.617 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.2	6.4
164	10.5	8.4	12.6

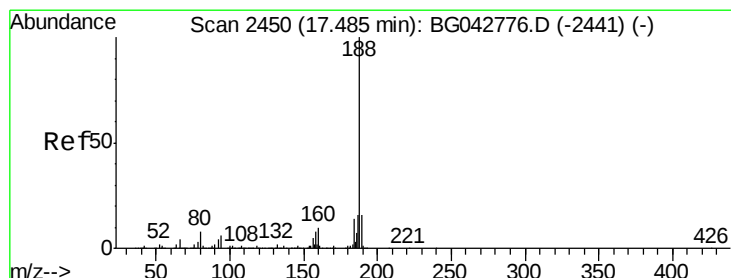
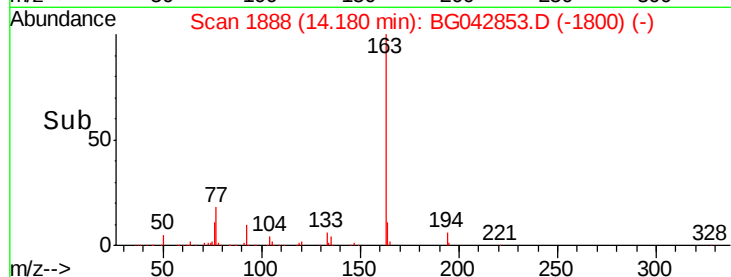
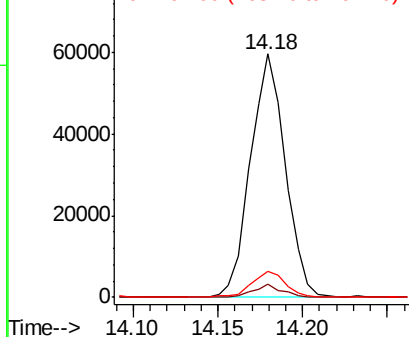


Abundance

Ion 163.00 (162.70 to 163.70): E

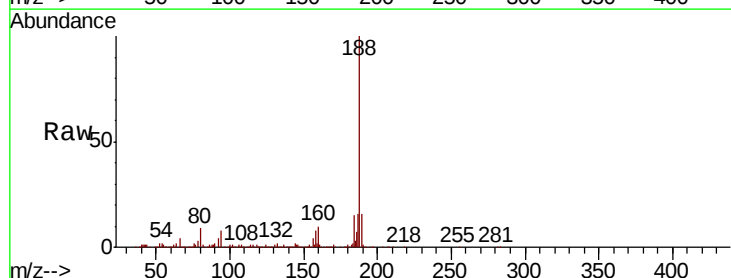
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG042853.D
Acq: 16 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	4.8	7.2#
80	9.0	6.6	9.8

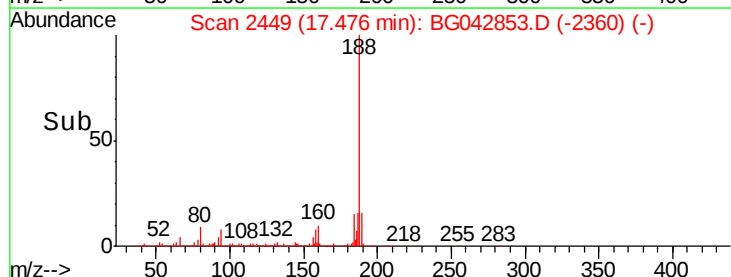
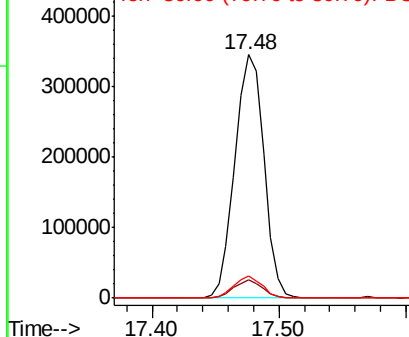


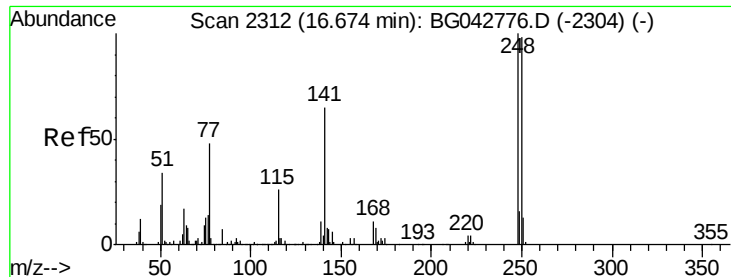
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

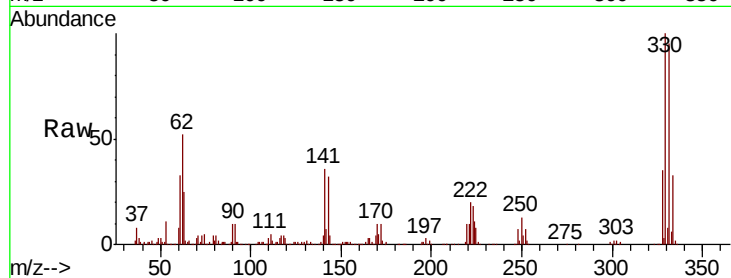




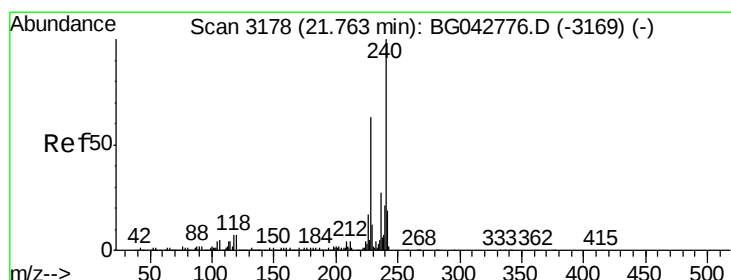
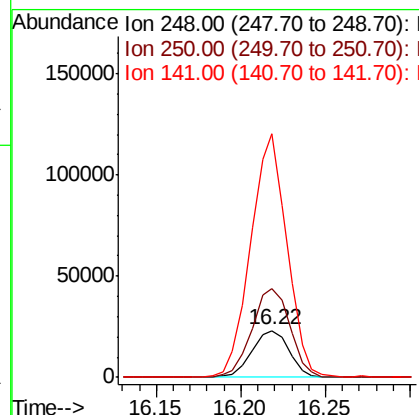
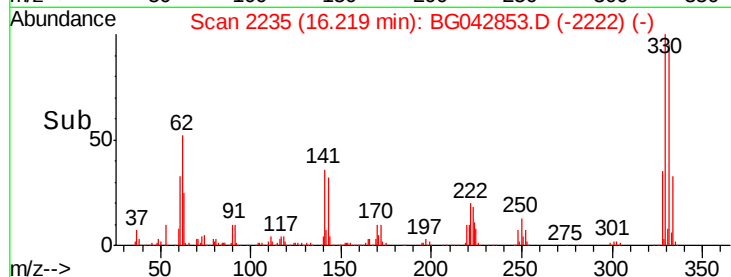
#67
 4-Bromophenyl-phenylether
 Concen: 5.338 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.46 min
 Lab File: BG042853.D
 Acq: 16 Sep 2019 17:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 35440
 Ion Ratio Lower Upper
 248 100
 250 190.3 78.0 117.0#
 141 522.7 51.8 77.6#

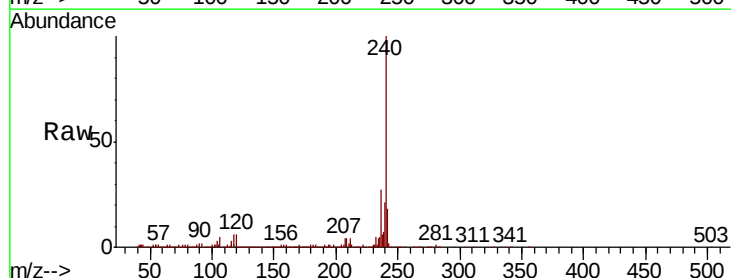


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

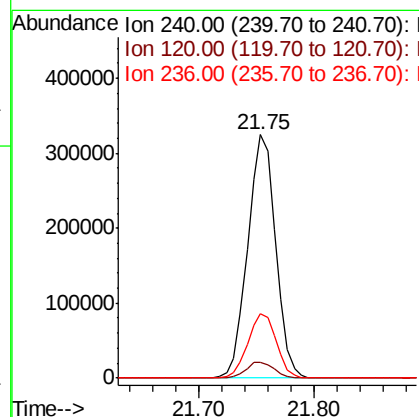
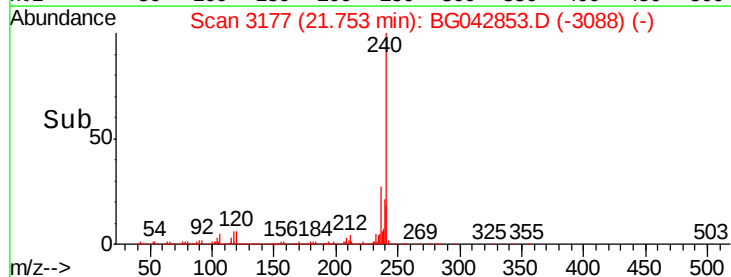


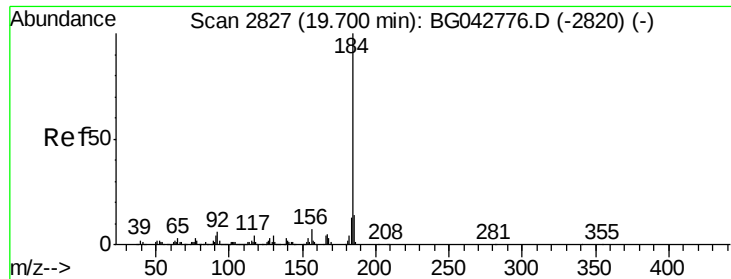
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042853.D
 Acq: 16 Sep 2019 17:55

Tgt Ion:240 Resp: 545761
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.4 8.2
 236 26.6 21.7 32.5



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





#77

Benzidine

Concen: 3.005 ng

RT: 20.08 min Scan# 2893

Delta R.T. 0.38 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA_G

ClientSampleId :

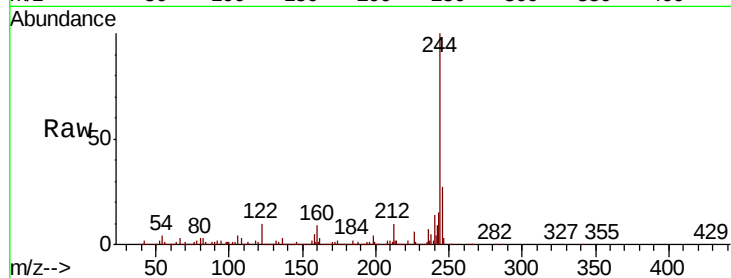
Tot Ion:184 Resp: 45823

Ion Ratio Lower Upper

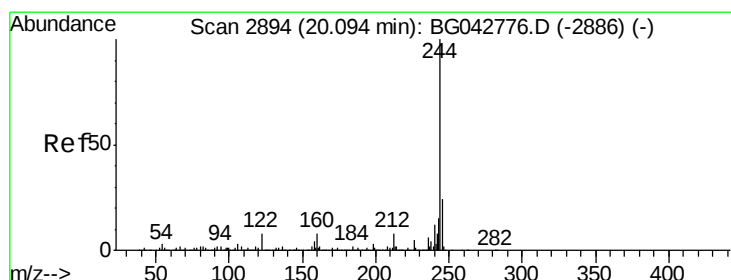
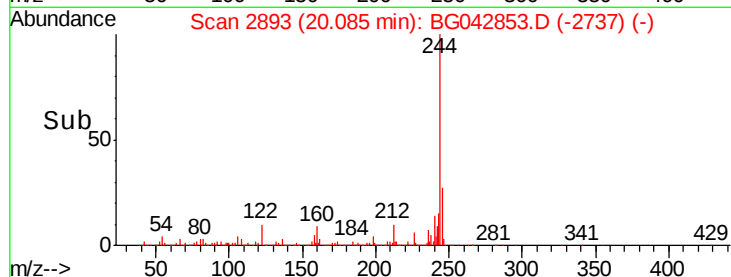
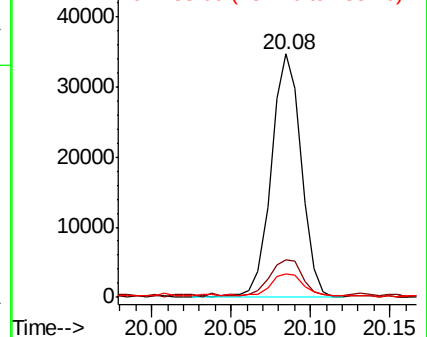
184 100

185 15.7 11.6 17.4

183 9.5 10.4 15.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 99.983 ng

RT: 20.08 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

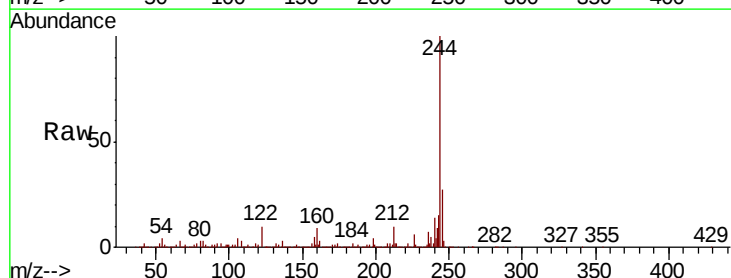
Tgt Ion:244 Resp: 2462093

Ion Ratio Lower Upper

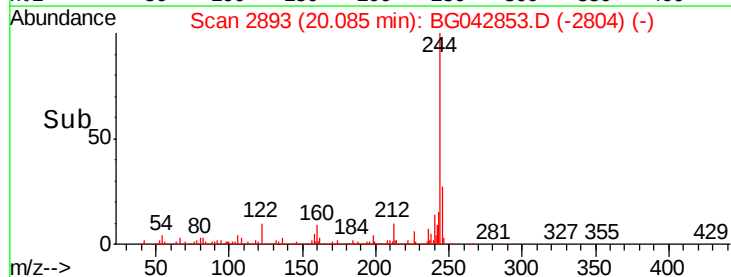
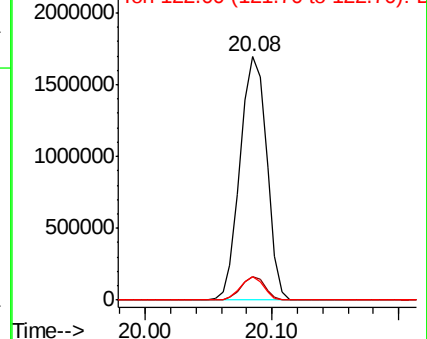
244 100

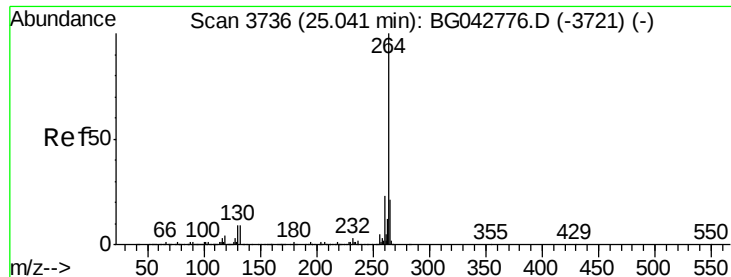
212 9.9 6.6 10.0

122 9.8 6.2 9.4#



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

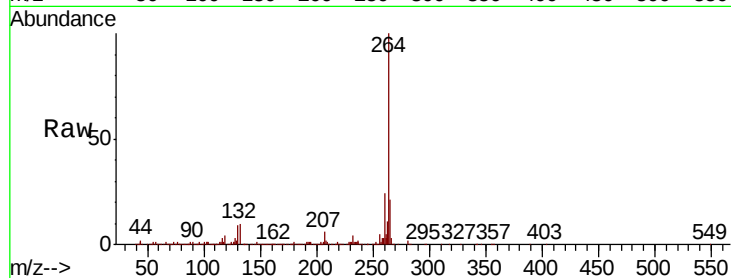




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3734
 Delta R.T. -0.02 min
 Lab File: BG042853.D
 Acq: 16 Sep 2019 17:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.4	16.9	25.3



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

