

Data File : BG044160.D
Acq On : 22 Jan 2020 16:21
Operator : JU
Sample : L1216-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

Quant Time: Jan 23 07:52:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

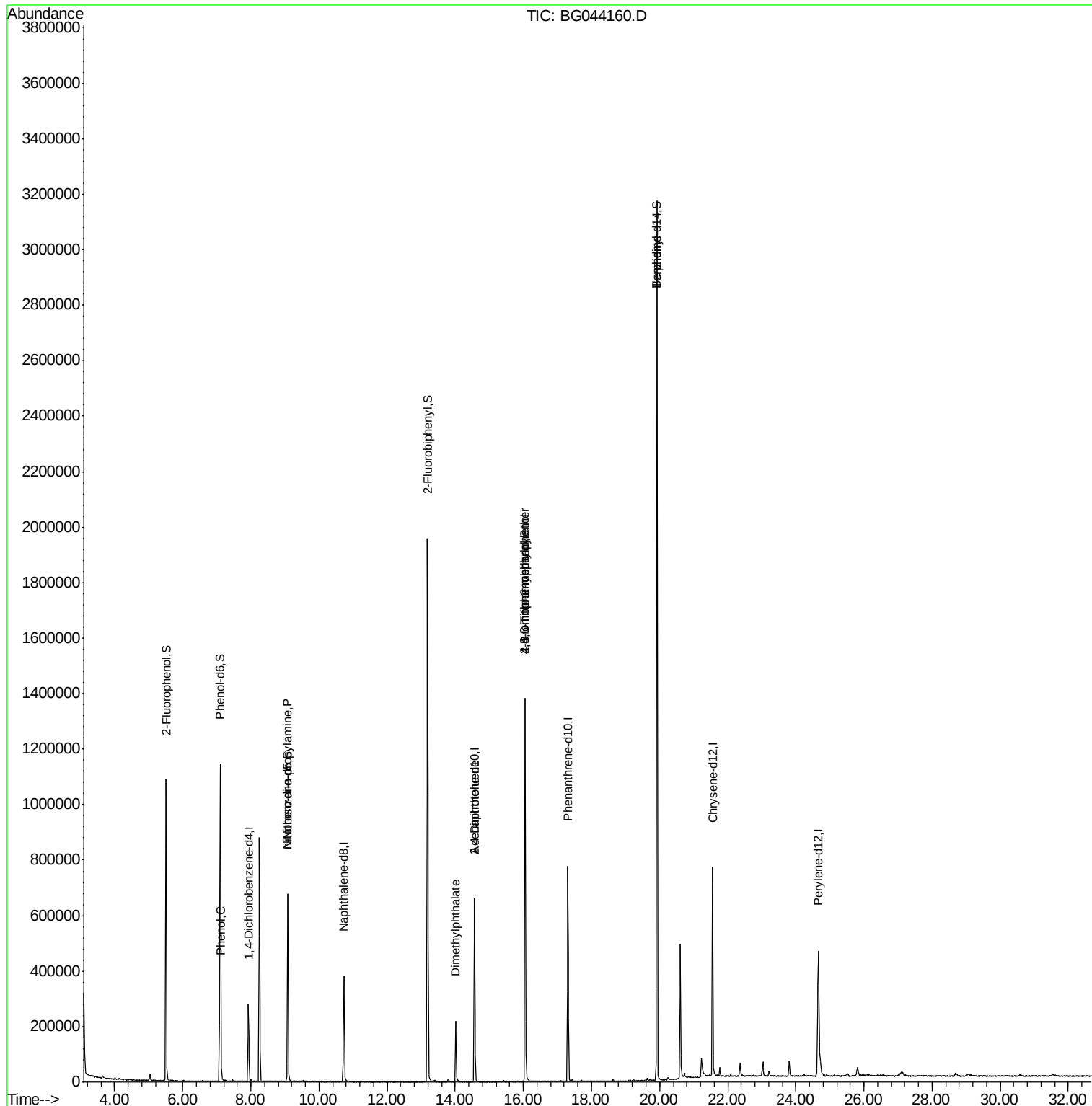
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	82239	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	365777	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	248131	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	499266	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	429199	20.00	ng	-0.04
87) Perylene-d12	24.66	264	475019	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	527334	117.74	ng	-0.03
7) Phenol-d6	7.10	99	729166	116.47	ng	-0.02
23) Nitrobenzene-d5	9.08	82	447377	65.43	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	271732	104.65	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1069119	78.06	ng	-0.04
79) Terphenyl-d14	19.92	244	1506430	84.49	ng	-0.04
Target Compounds						
10) Phenol	7.12	94	27376	4.244	ng	90
19) n-Nitroso-di-n-propylamine	9.09	70	57587	12.351	ng	# 77
50) Dimethylphthalate	14.02	163	177271	10.062	ng	97
57) 2,4-Dinitrotoluene	14.56	165	32015	5.908	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	789	4.668	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	18977	3.380	ng	# 1
77) Benzidine	19.92	184	24550	2.276	ng	# 94

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

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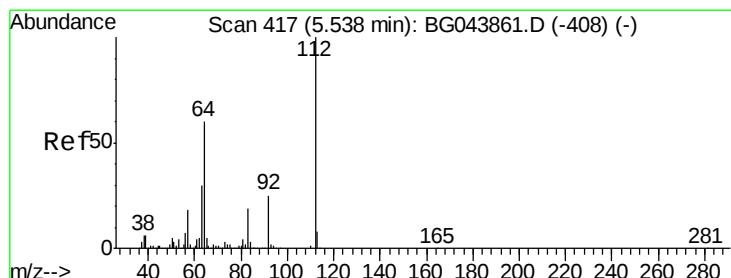
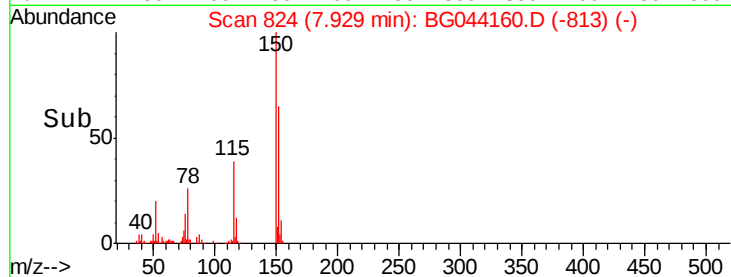
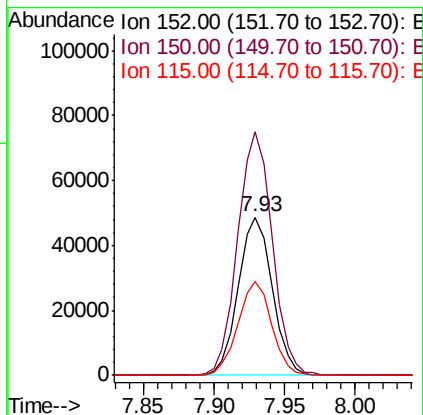
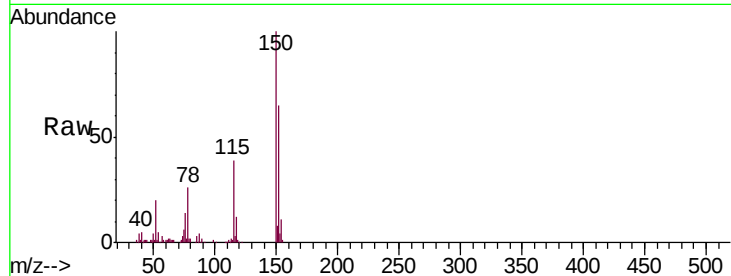


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

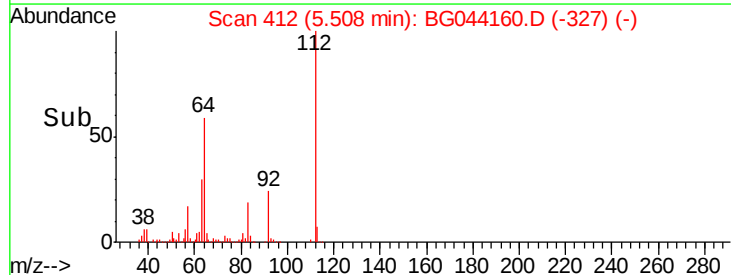
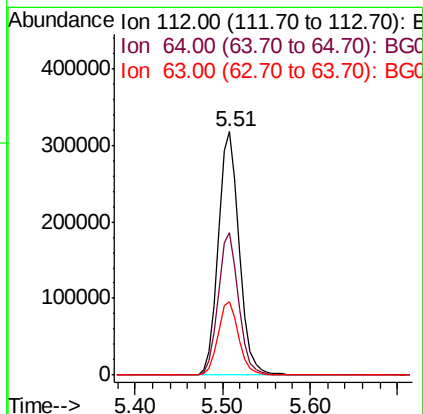
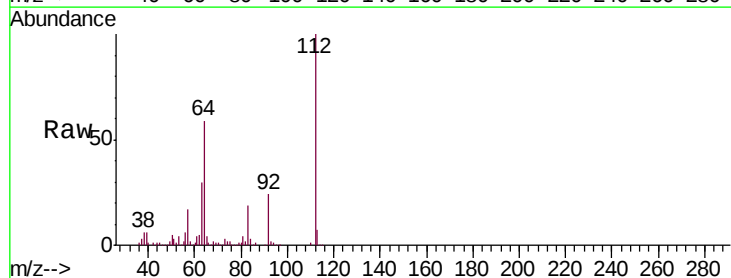
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	127.0	190.4
115	59.3	47.8	71.8

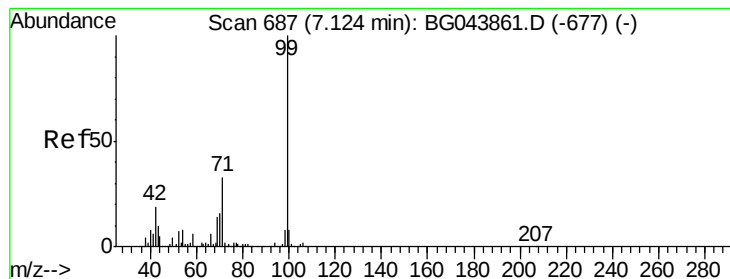


#5

2-Fluorophenol
Concen: 117.736 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.8	71.6
63	30.0	24.3	36.5





#7

Phenol-d6

Concen: 116.466 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

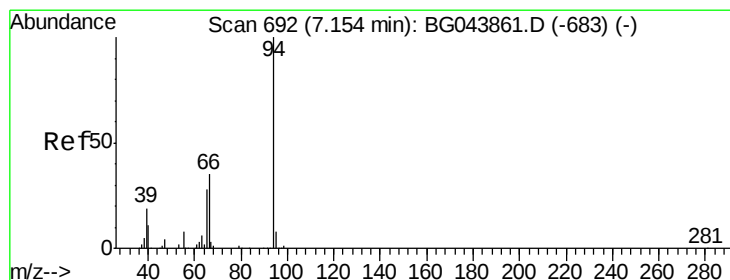
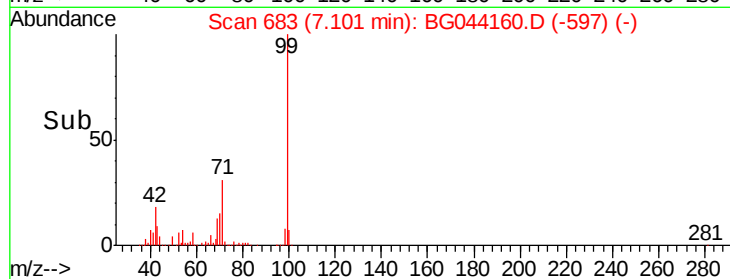
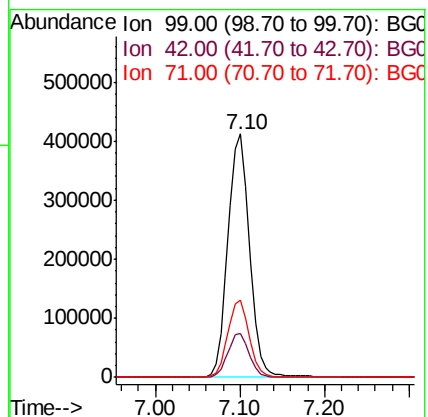
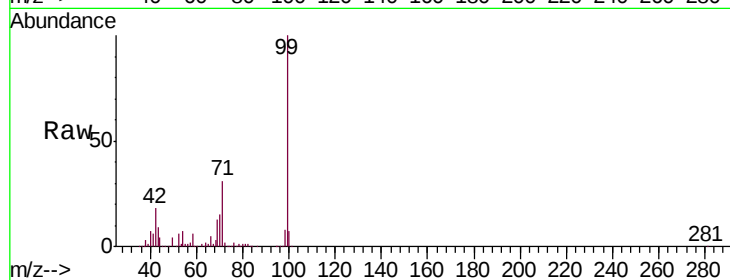
Tgt Ion: 99 Resp: 729166

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

71 31.5 26.4 39.6



#10

Phenol

Concen: 4.244 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

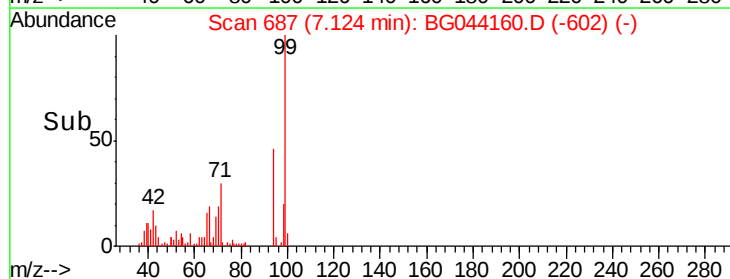
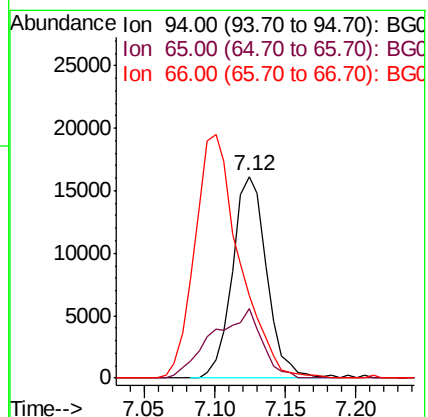
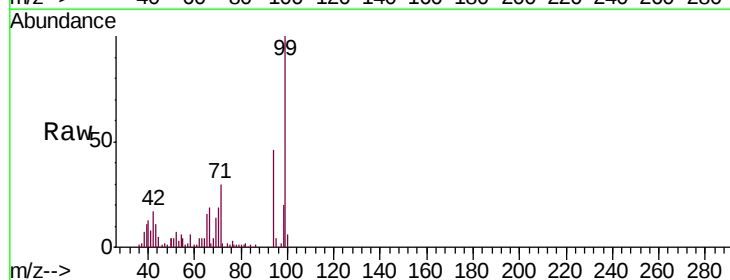
Tgt Ion: 94 Resp: 27376

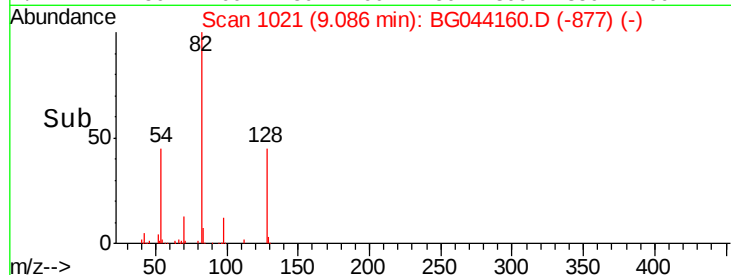
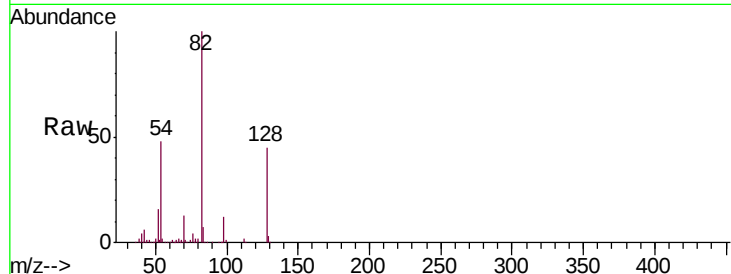
Ion Ratio Lower Upper

94 100

65 34.5 8.1 48.1

66 40.9 15.6 55.6

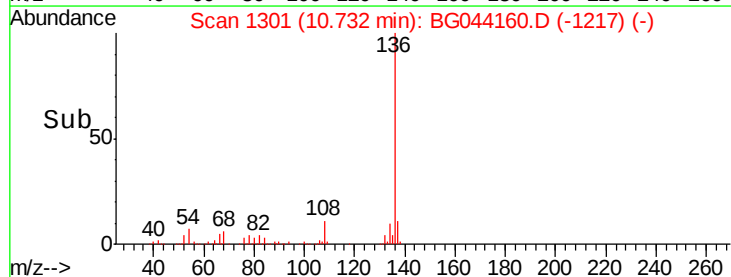
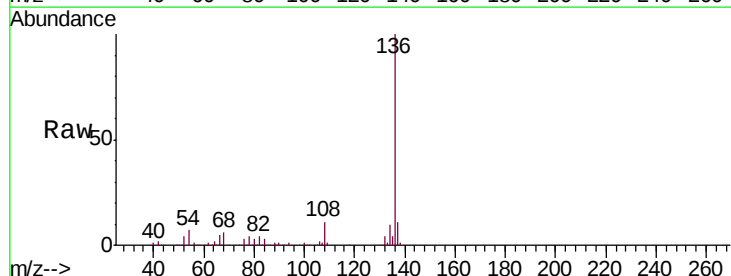
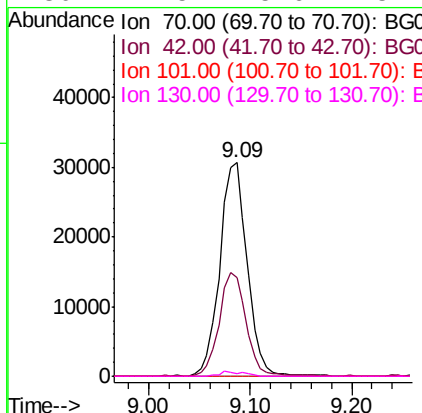




#19
n-Nitroso-di-n-propylamine
Concen: 12.351 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

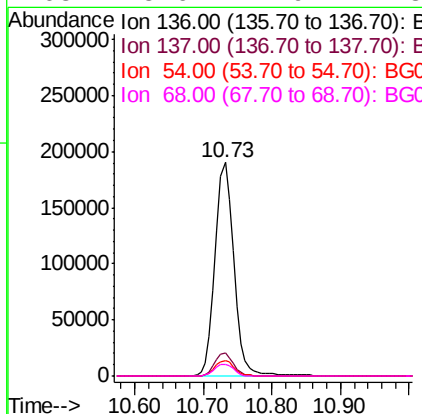
Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

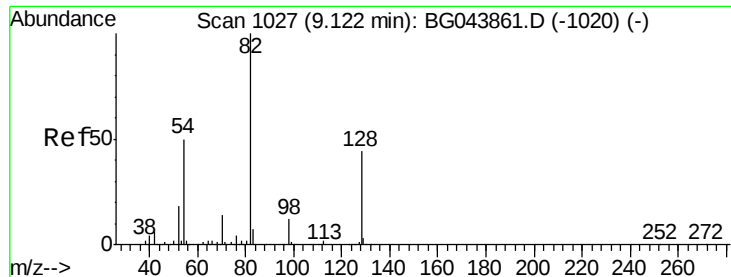
Tgt Ion: 70 Resp: 57587
Ion Ratio Lower Upper
70 100
42 46.4 47.0 70.4#
101 0.0 7.2 10.8#
130 1.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Tgt Ion: 136 Resp: 365777
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.2 7.0 10.4
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 65.430 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

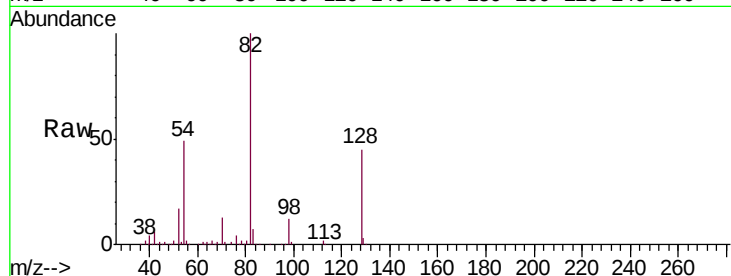
Tgt Ion: 82 Resp: 447377

Ion Ratio Lower Upper

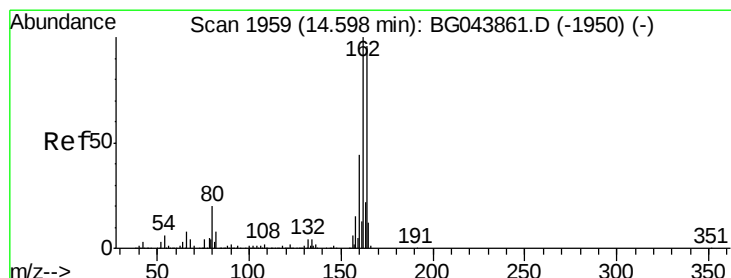
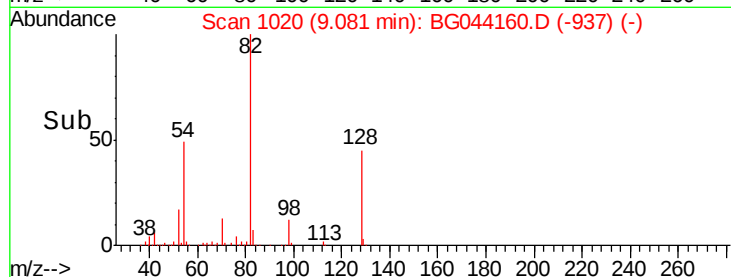
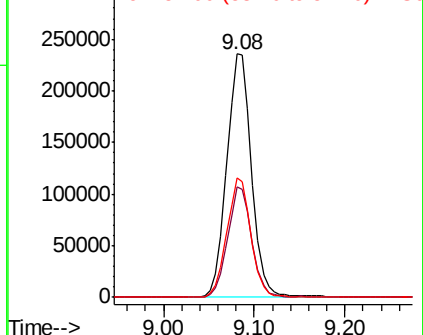
82 100

128 45.3 35.1 52.7

54 48.9 40.1 60.1



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.04 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

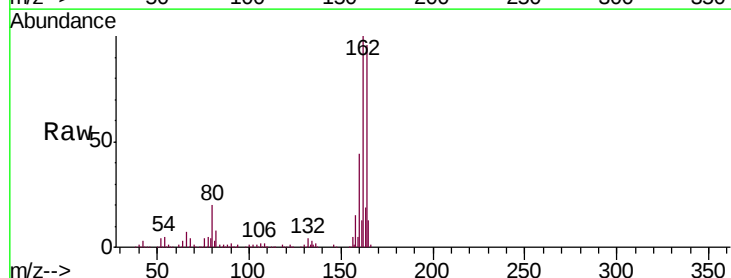
Tgt Ion: 164 Resp: 248131

Ion Ratio Lower Upper

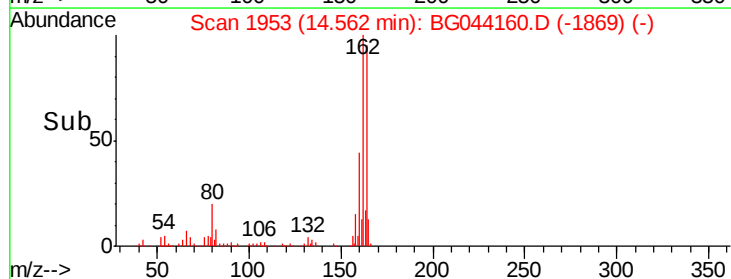
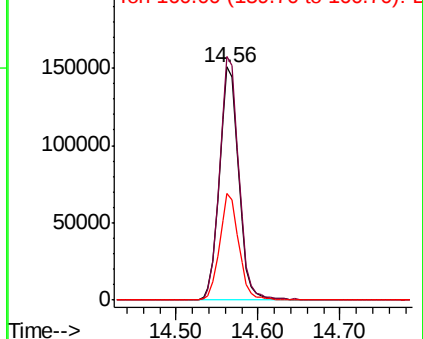
164 100

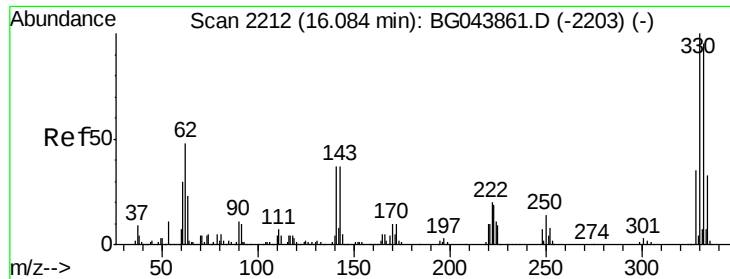
162 104.6 83.0 124.4

160 45.9 36.1 54.1



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

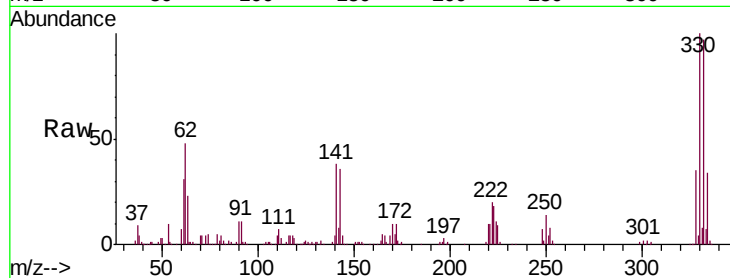




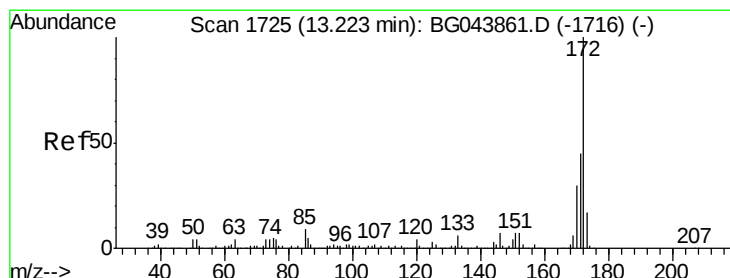
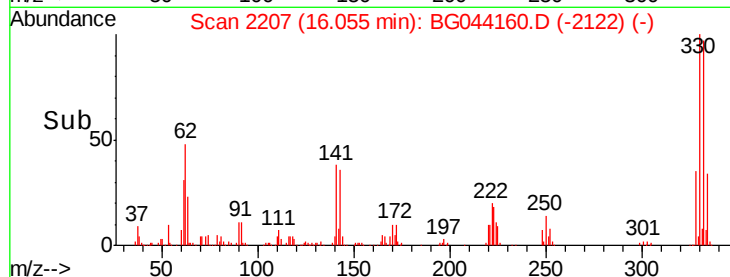
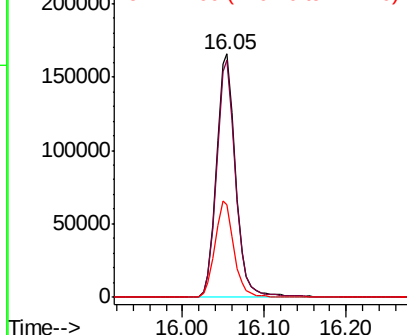
#42
 2,4,6-Tribromophenol
 Concen: 104.648 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044160.D
 Acq: 22 Jan 2020 16:21

Instrument :
 BNA_G
 ClientSampleId :
 SB-04-COMP

Tgt Ion:330 Resp: 271732
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.2 115.8
 141 39.3 33.1 49.7

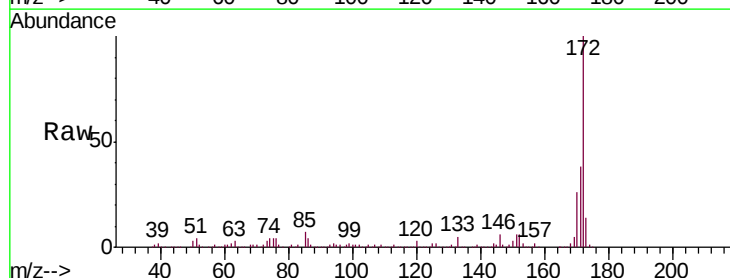


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

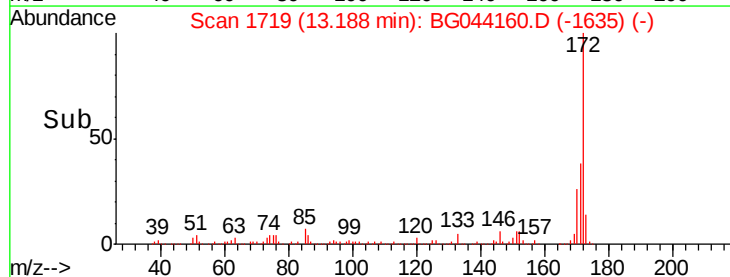
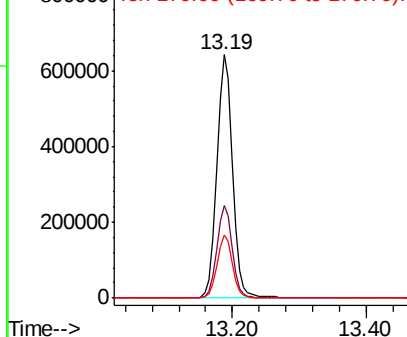


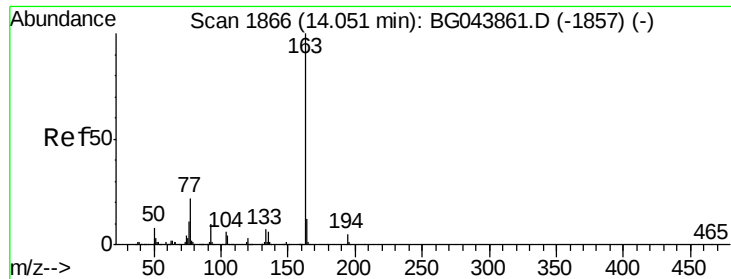
#45
 2-Fluorobiphenyl
 Concen: 78.063 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044160.D
 Acq: 22 Jan 2020 16:21

Tgt Ion:172 Resp: 1069119
 Ion Ratio Lower Upper
 172 100
 171 38.2 35.8 53.8
 170 26.1 24.2 36.4



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





#50

Dimethylphthalate

Concen: 10.062 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

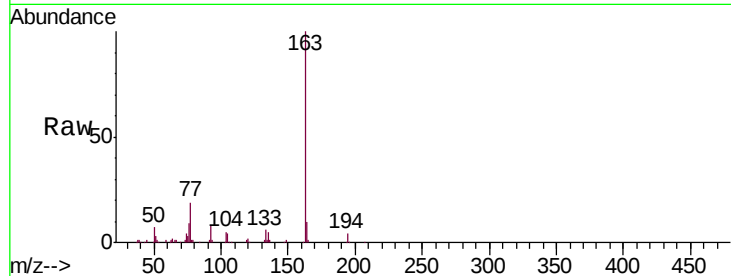
Tgt Ion:163 Resp: 177271

Ion Ratio Lower Upper

163 100

194 3.7 3.7 5.5

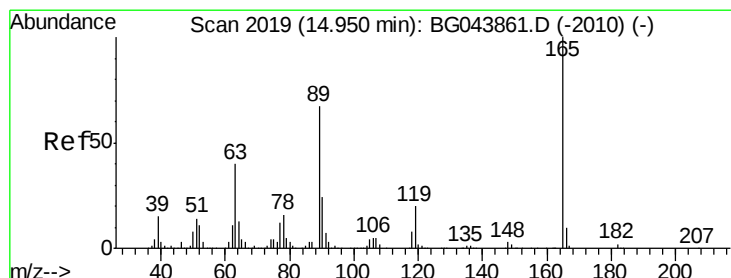
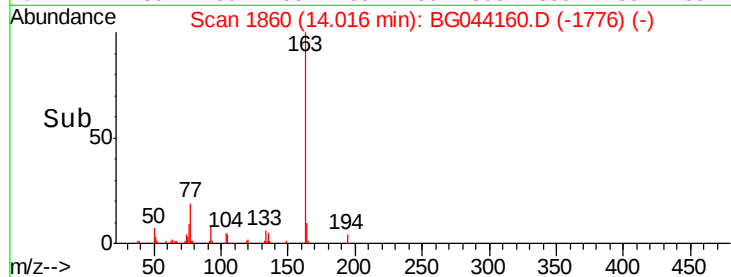
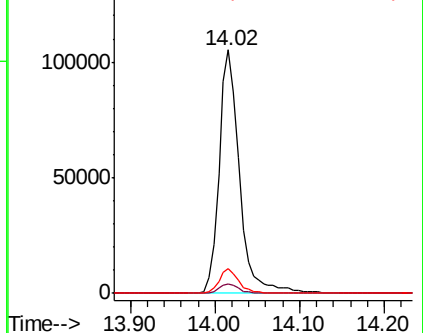
164 10.3 9.3 13.9



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: 5.908 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

Tgt Ion:165 Resp: 32015

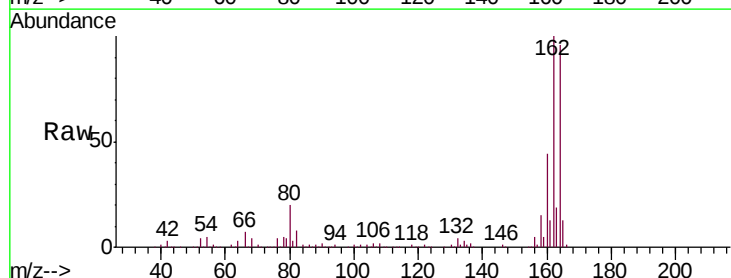
Ion Ratio Lower Upper

165 100

63 1.5 31.9 47.9#

89 1.8 53.8 80.6#

182 0.0 2.0 3.0#

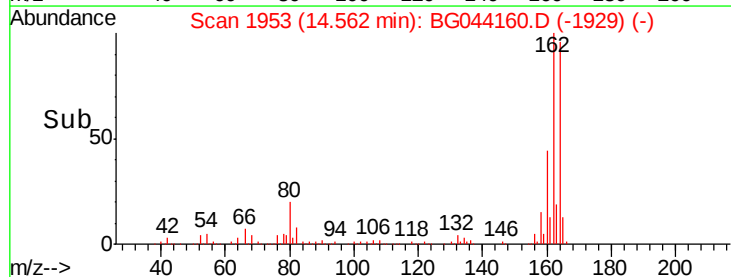
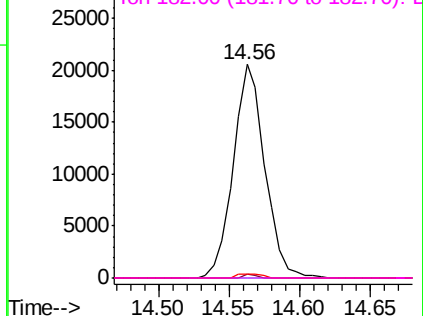


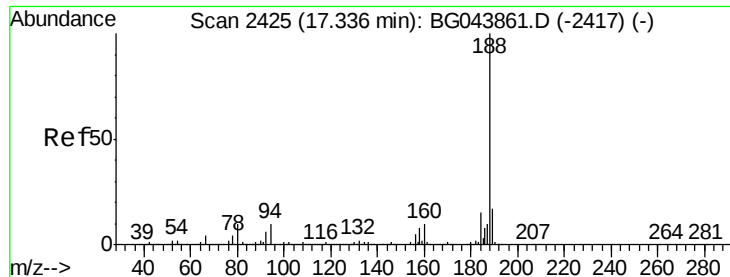
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044160.D

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SB-04-COMP

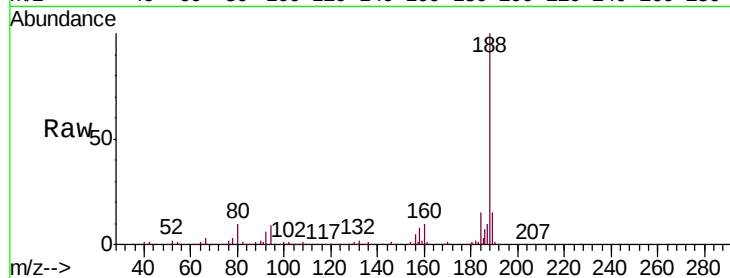
Tgt Ion:188 Resp: 499266

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

80 9.7 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

400000

300000

200000

100000

0

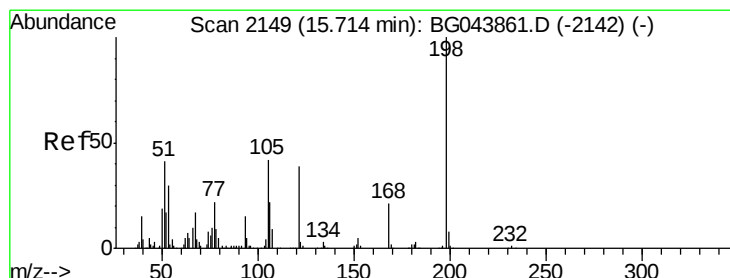
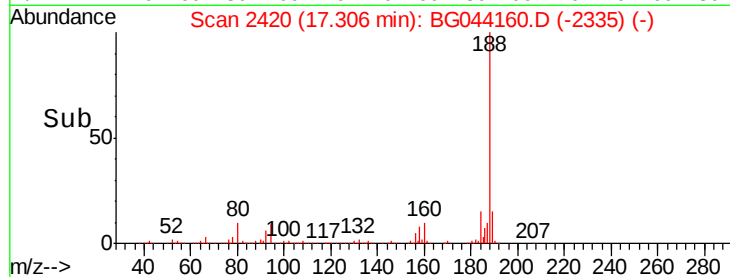
17.31

17.20

17.30

17.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.668 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

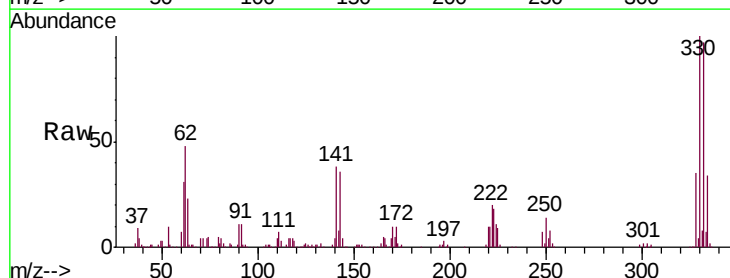
Tgt Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 86.8 22.5 62.5#

105 135.1 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

1500

1000

500

0

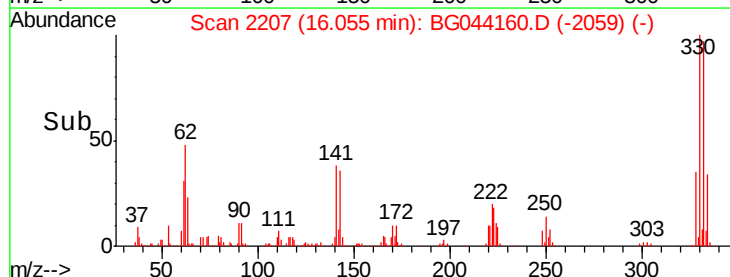
16.05

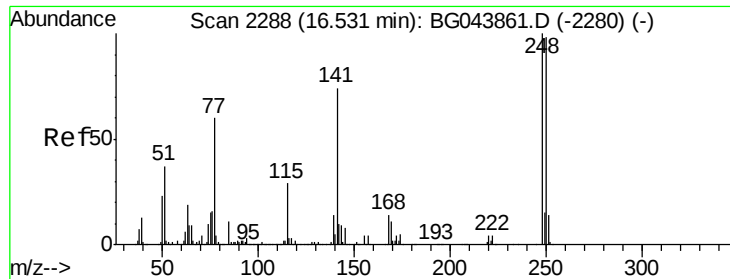
16.00

16.05

16.10

Time-->

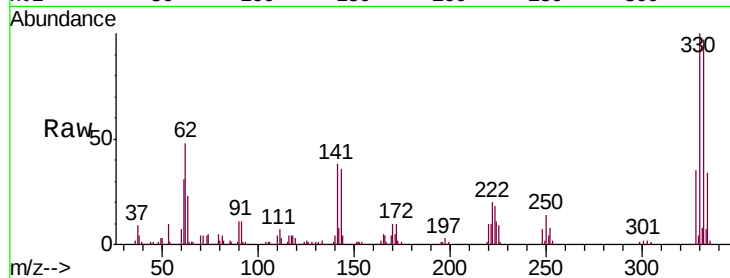




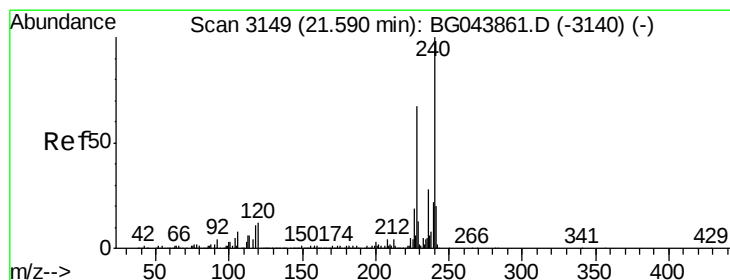
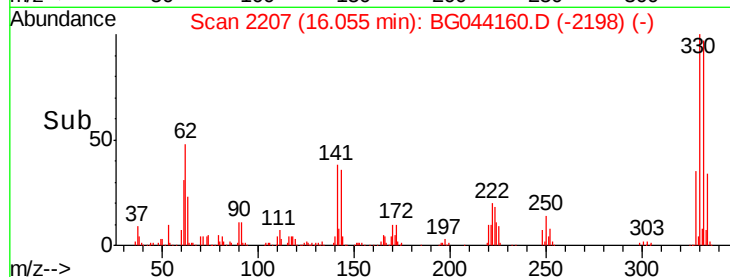
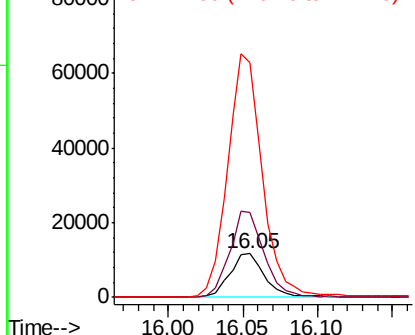
#67
4-Bromophenyl-phenylether
Concen: 3.380 ng
RT: 16.05 min Scan# 2207
Delta R.T. -0.48 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

Tgt Ion:248 Resp: 18977
Ion Ratio Lower Upper
248 100
250 194.4 78.2 117.2#
141 537.4 59.3 88.9#

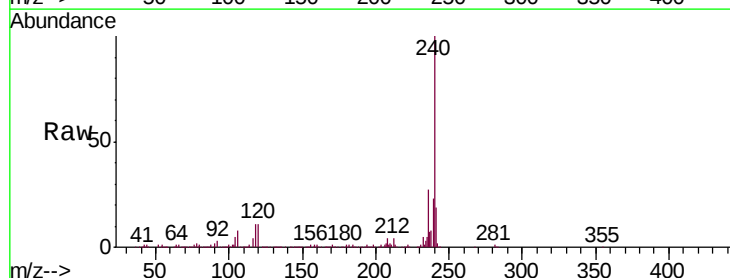


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

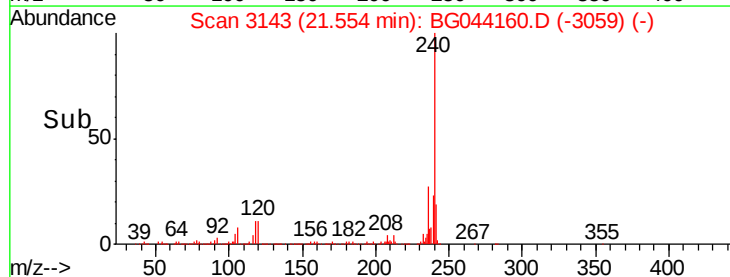
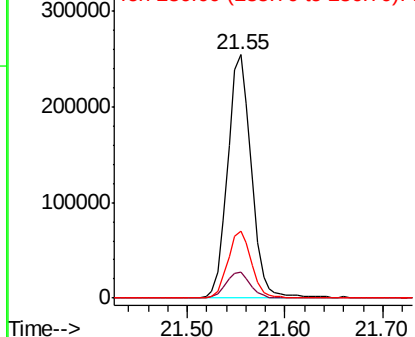


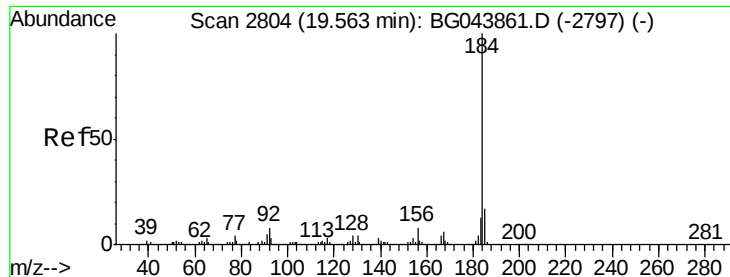
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Tgt Ion:240 Resp: 429199
Ion Ratio Lower Upper
240 100
120 10.6 9.6 14.4
236 27.5 22.2 33.2



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: 2.276 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

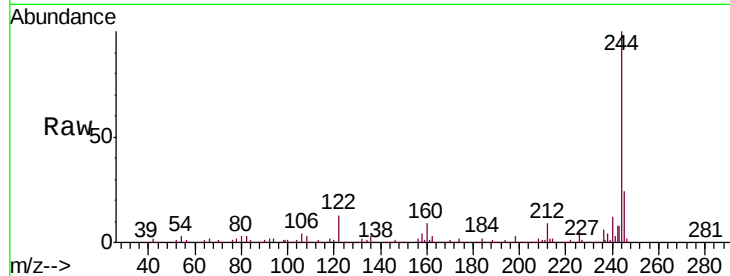
Tgt Ion:184 Resp: 24550

Ion Ratio Lower Upper

184 100

185 16.7 13.4 20.0

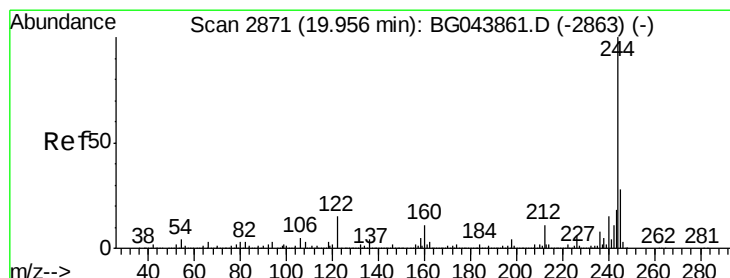
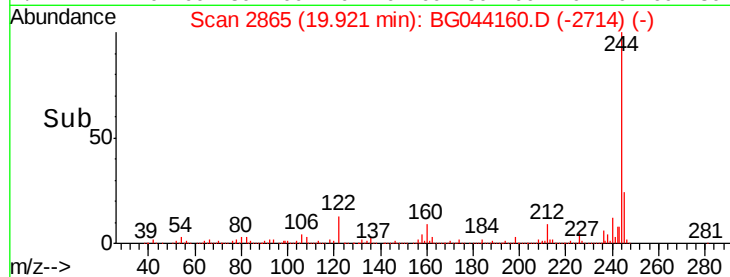
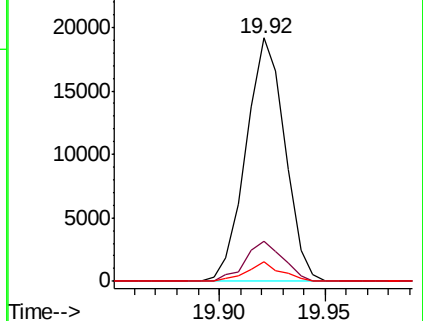
183 7.9 10.6 15.8#



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: 84.491 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.04 min

Lab File: BG044160.D

Acq: 22 Jan 2020 16:21

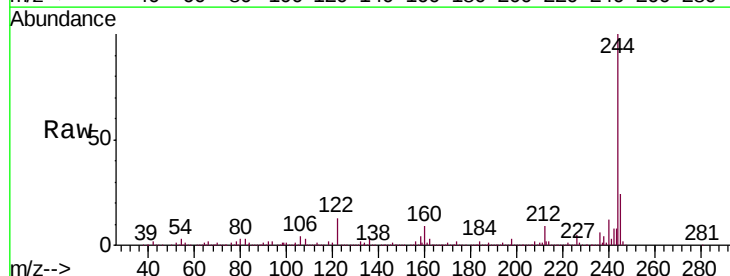
Tgt Ion:244 Resp: 1506430

Ion Ratio Lower Upper

244 100

212 8.7 8.6 13.0

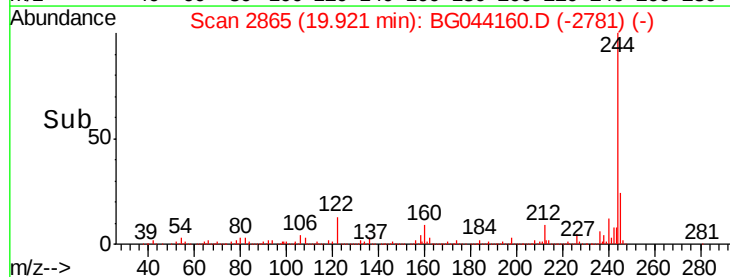
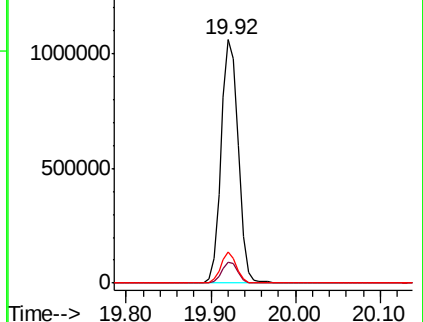
122 12.6 11.9 17.9

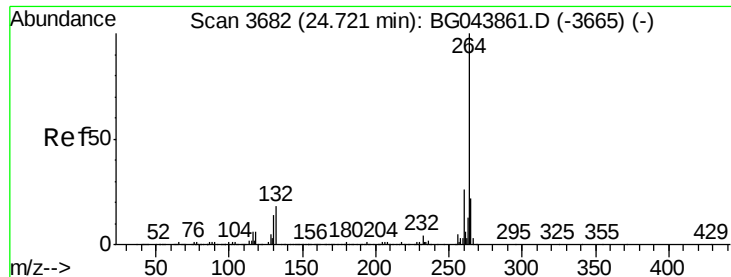


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044160.D
Acq: 22 Jan 2020 16:21

Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	22.0	17.4	26.2

