

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043667.D
 Acq On : 16 Nov 2019 1:43
 Operator : JU
 Sample : K5828-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-58-1D

Quant Time: Nov 16 05:26:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

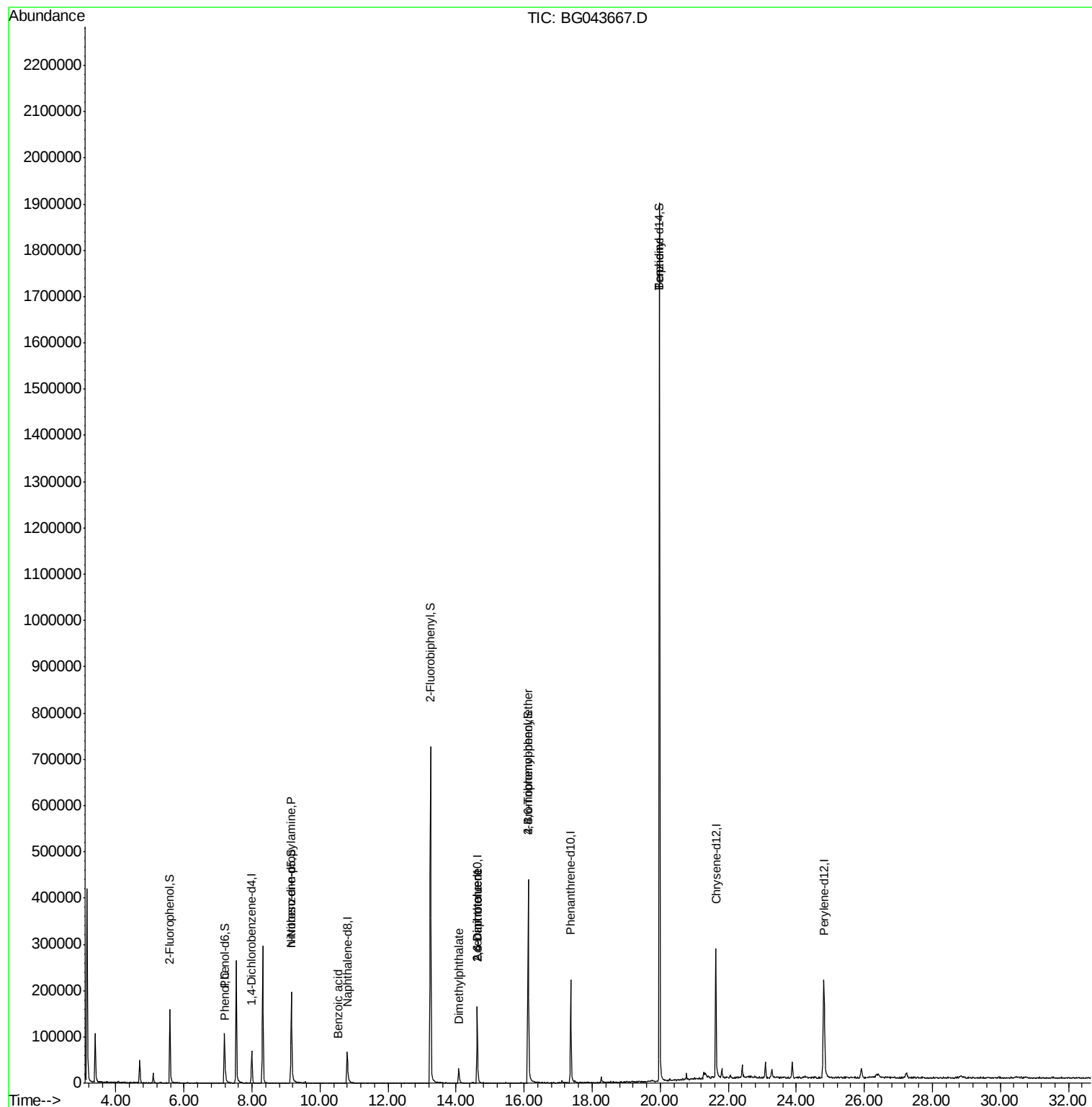
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	23097	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	83055	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	67604	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	177011	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	197966	20.00	ng	-0.02
87) Perylene-d12	24.81	264	235247	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	78902	62.60	ng	0.00
7) Phenol-d6	7.19	99	73828	40.71	ng	0.00
23) Nitrobenzene-d5	9.16	82	144219	89.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	116325	90.42	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	439697	89.87	ng	-0.02
79) Terphenyl-d14	19.98	244	1000124	94.78	ng	-0.02
Target Compounds						
10) Phenol	7.22	94	8934	5.391	ng	93
19) n-Nitroso-di-n-propylamine	9.16	70	19829	16.921	ng	# 79
32) Benzoic acid	10.54	122	62	9.111	ng	# 1
50) Dimethylphthalate	14.07	163	29067	5.551	ng	# 97
51) 2,6-Dinitrotoluene	14.63	165	8307	7.302	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	8307	5.110	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	8062	3.384	ng	# 1
77) Benzidine	19.98	184	15513	3.894	ng	# 91

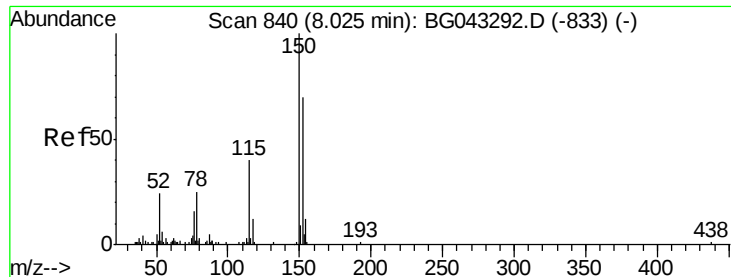
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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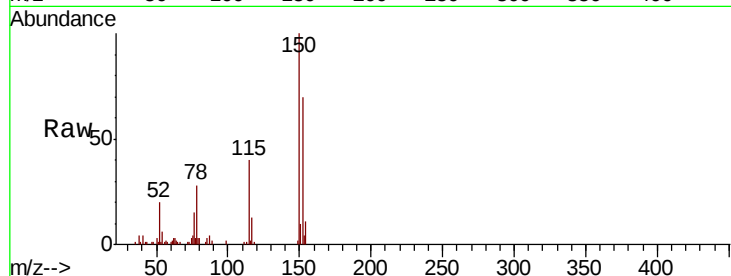


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

Instrument :
BNA_G
ClientSampleId :
GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.3	129.4	194.0
115	56.8	48.8	73.2

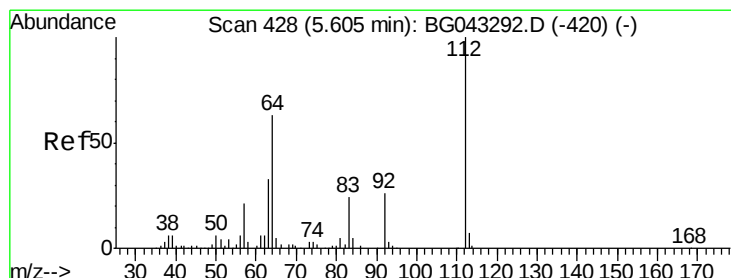
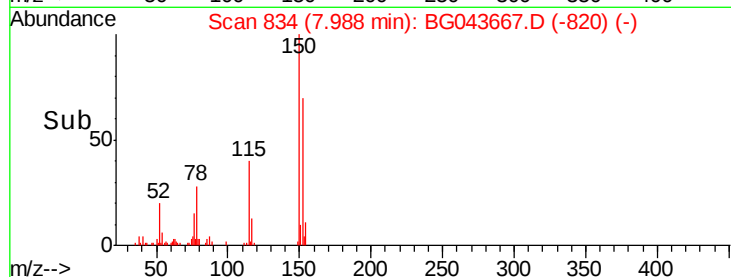
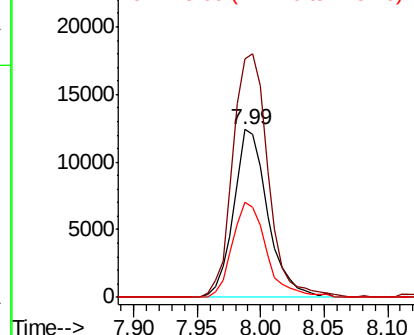


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

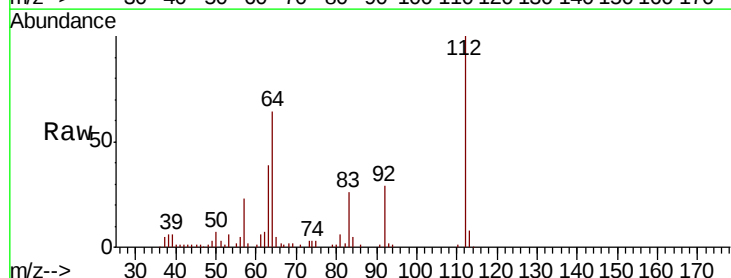
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.598 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	50.0	75.0
63	39.0	26.6	40.0

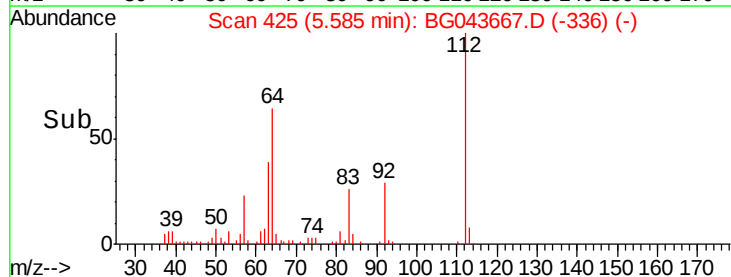
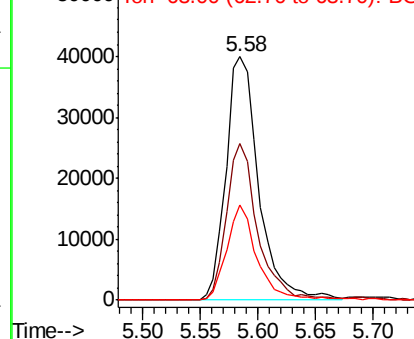


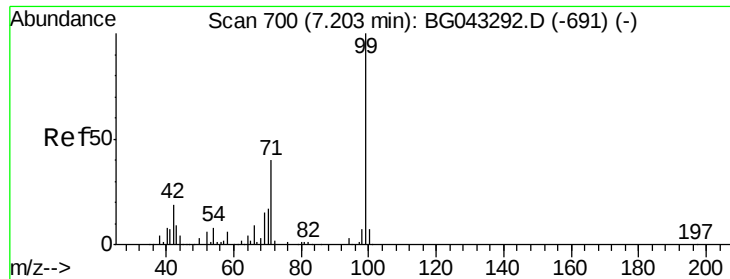
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 40.711 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Instrument :

BNA_G

ClientSampleId :

GE-MW-58-1D

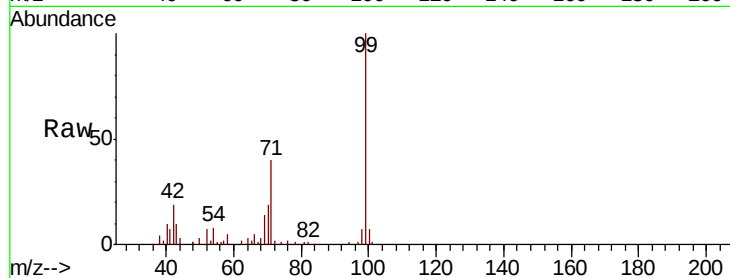
Tot Ion: 99 Resp: 73828

Ion Ratio Lower Upper

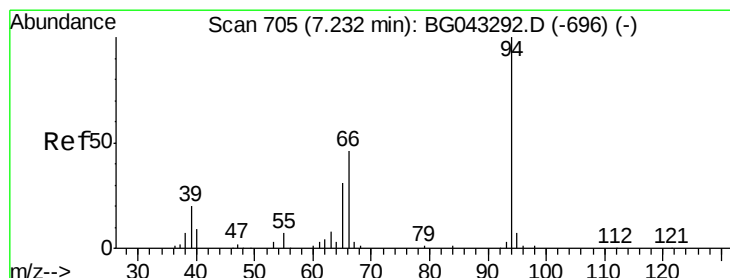
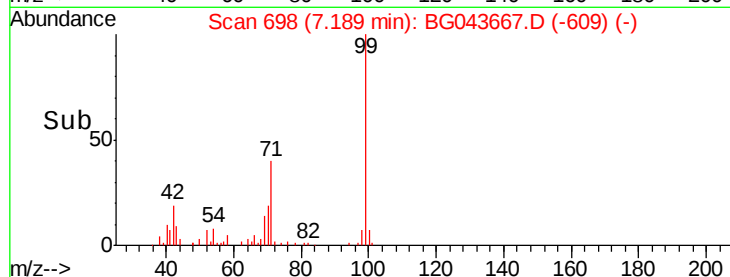
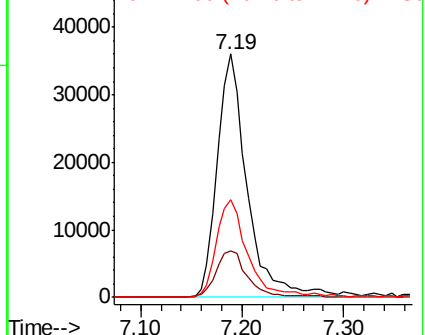
99 100

42 19.2 14.6 21.8

71 39.9 32.5 48.7



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



#10

Phenol

Concen: 5.391 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

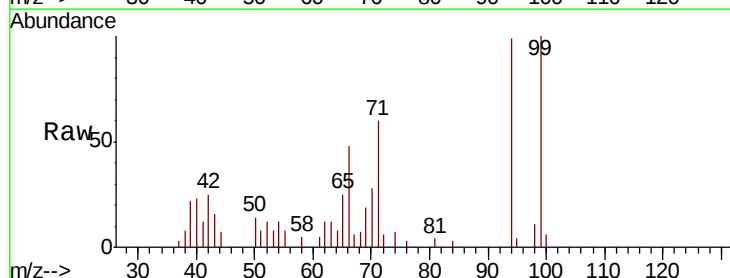
Tgt Ion: 94 Resp: 8934

Ion Ratio Lower Upper

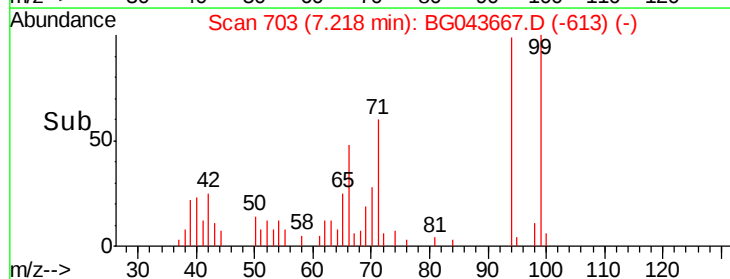
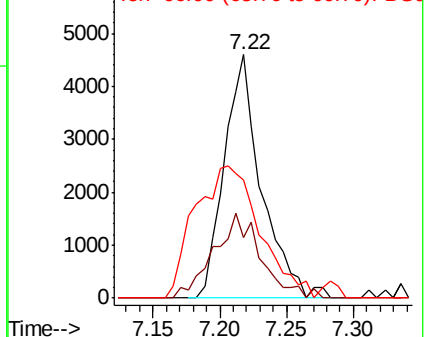
94 100

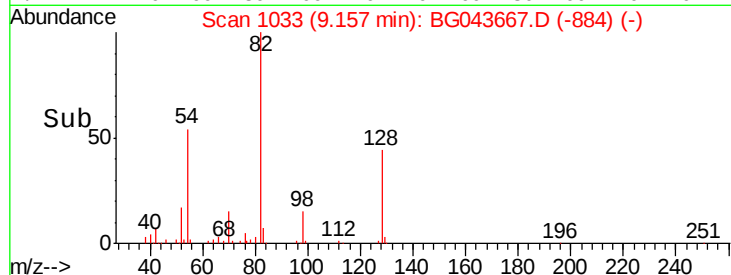
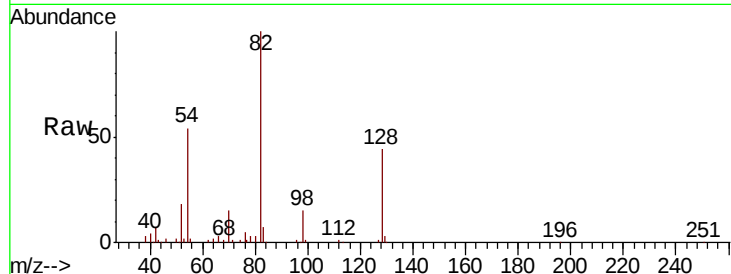
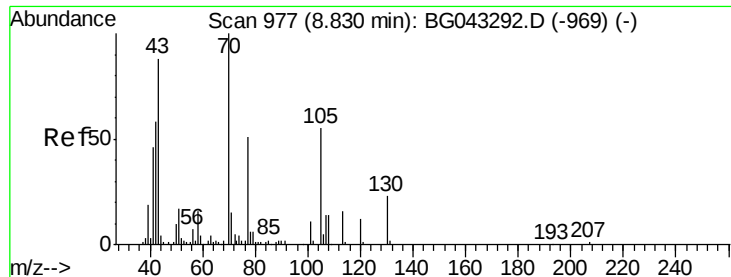
65 25.1 12.6 52.6

66 48.3 30.7 70.7



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

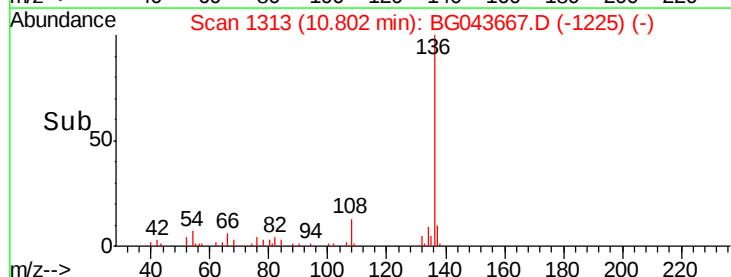
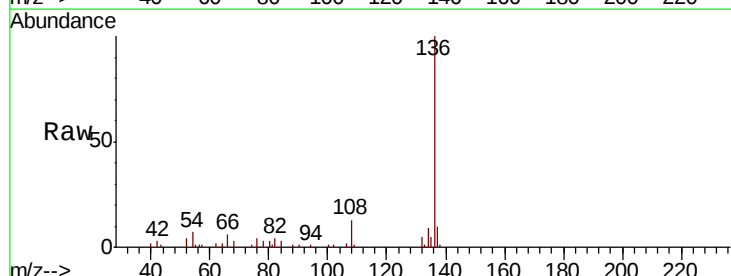
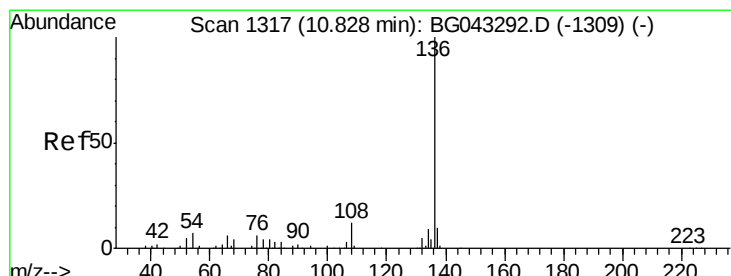
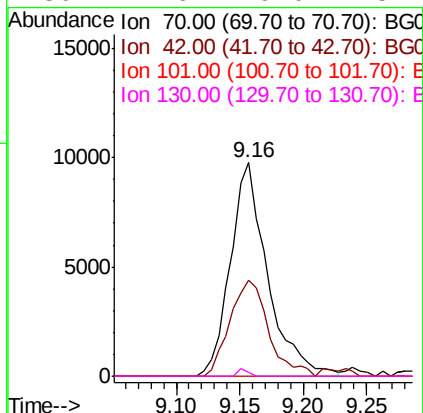




#19
n-Nitroso-di-n-propylamine
Concen: 16.921 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

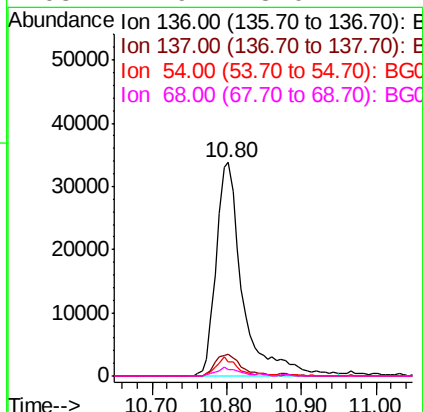
Instrument :
BNA_G
ClientSampleId :
GE-MW-58-1D

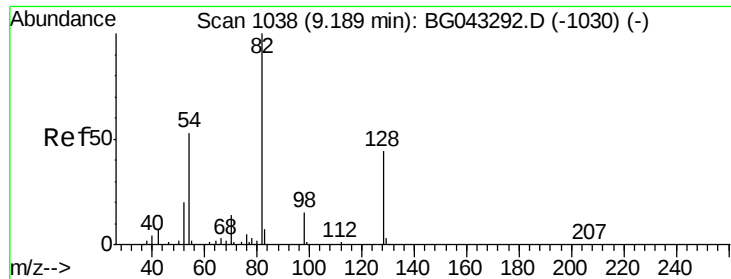
Tot Ion: 70 Resp: 19829
Ion Ratio Lower Upper
70 100
42 45.0 41.4 62.2
101 0.0 7.9 11.9#
130 1.6 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

Tgt Ion: 136 Resp: 83055
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 6.7 5.4 8.2
68 2.9 3.0 4.4#

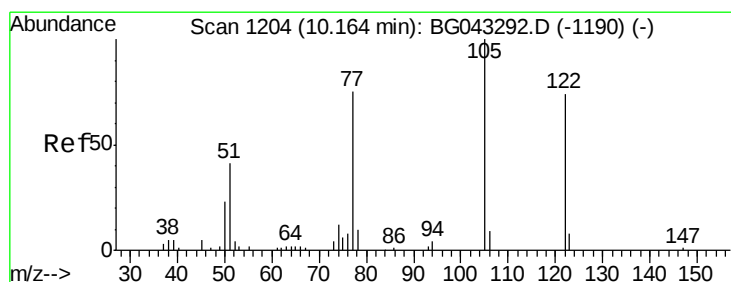
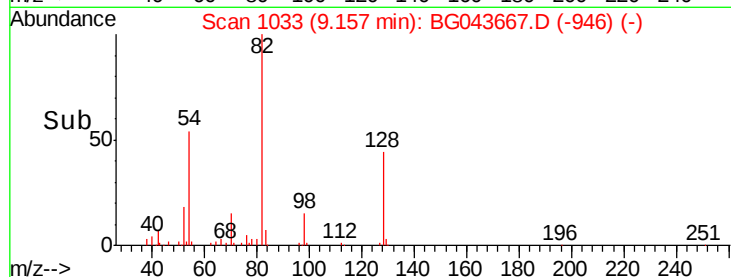
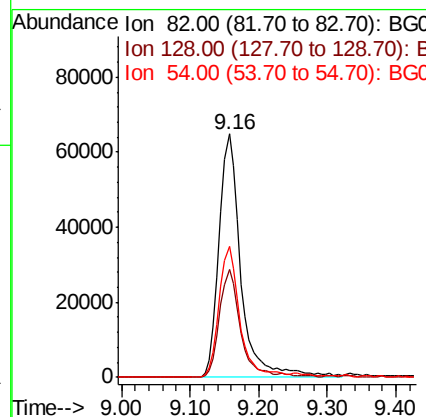
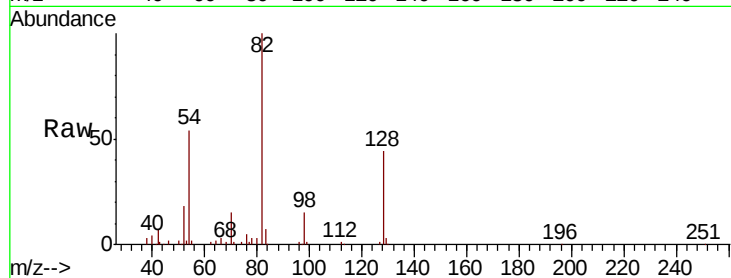




#23
 Nitrobenzene-d5
 Concen: 89.521 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG043667.D
 Acq: 16 Nov 2019 1:43

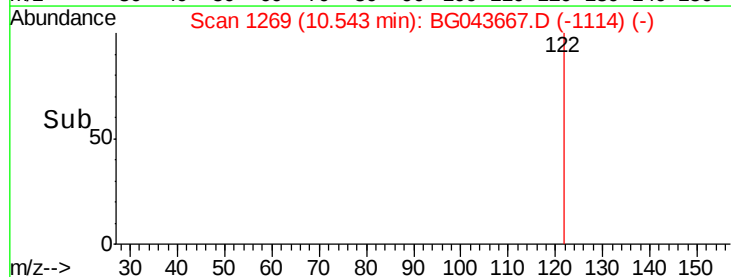
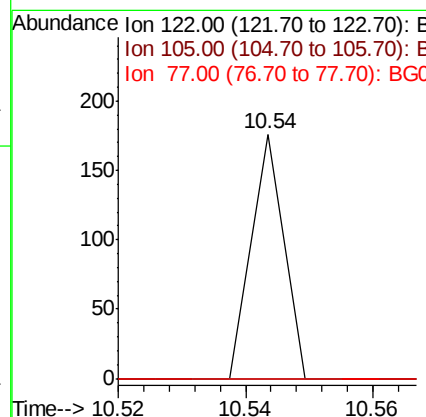
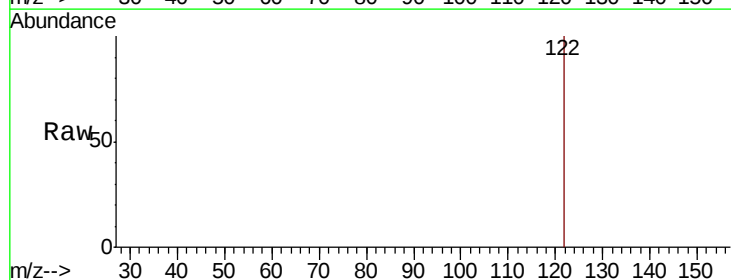
Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-58-1D

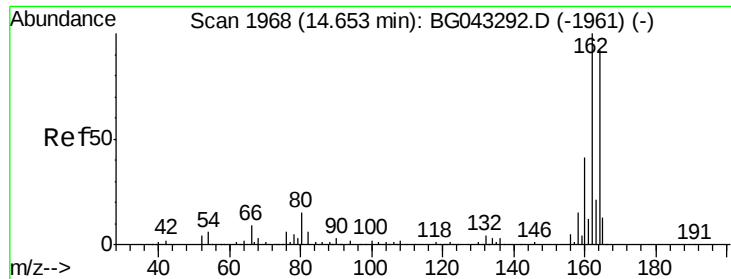
Tot Ion: 82 Resp: 144219
 Ion Ratio Lower Upper
 82 100
 128 44.2 35.0 52.6
 54 53.5 40.2 60.2



#32
 Benzoic acid
 Concen: 9.111 ng
 RT: 10.54 min Scan# 1269
 Delta R.T. 0.38 min
 Lab File: BG043667.D
 Acq: 16 Nov 2019 1:43

Tgt Ion: 122 Resp: 62
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 0.0 84.9 124.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Instrument :

BNA_G

ClientSampleId :

GE-MW-58-1D

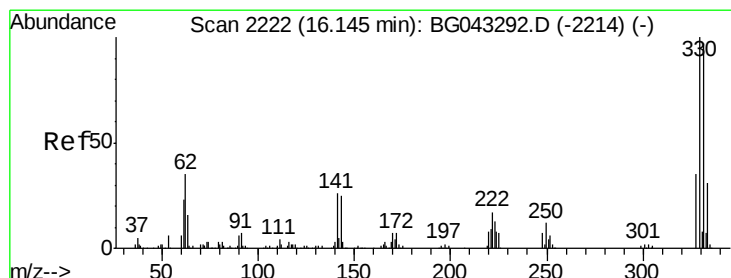
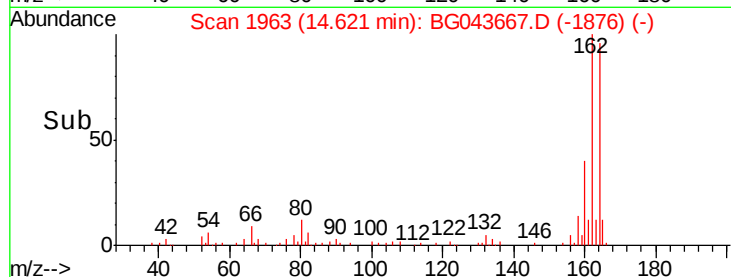
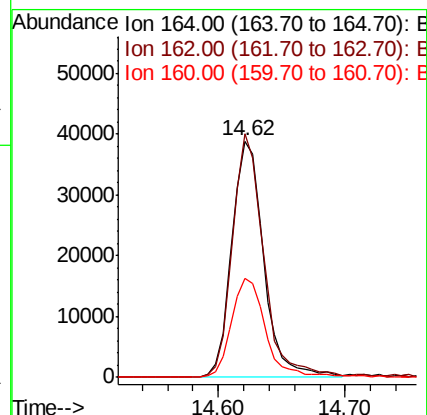
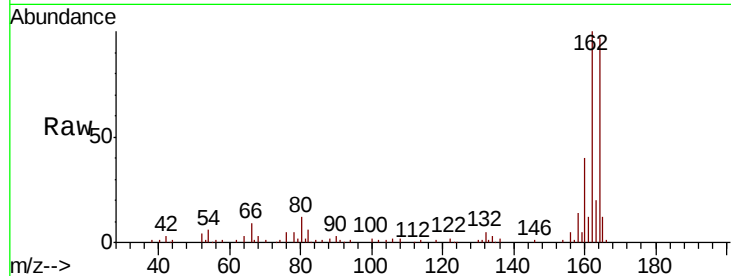
Tot Ion:164 Resp: 67604

Ion Ratio Lower Upper

164 100

162 103.2 83.5 125.3

160 41.8 36.5 54.7



#42

2,4,6-Tribromophenol

Concen: 90.419 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

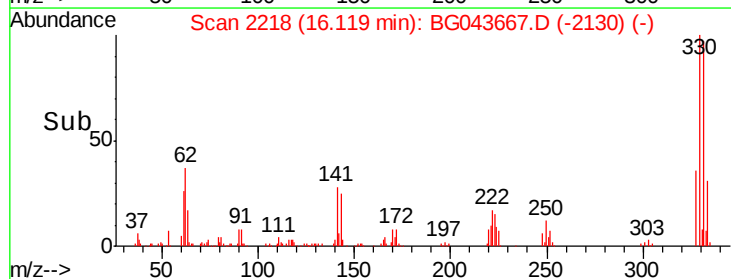
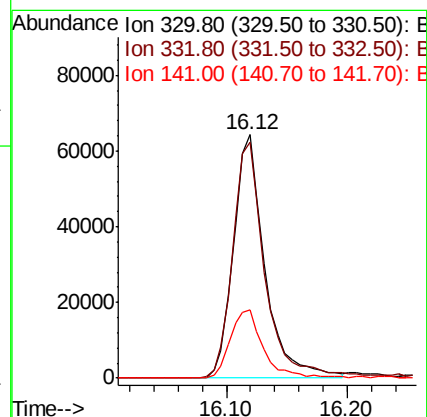
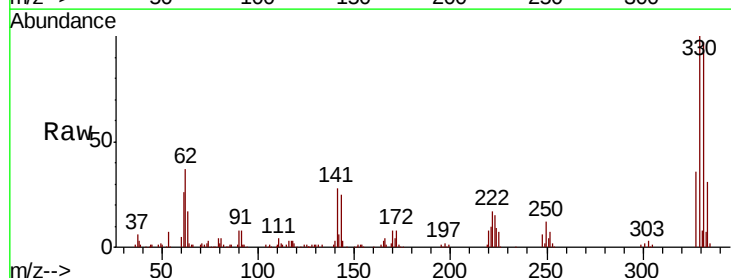
Tgt Ion:330 Resp: 116325

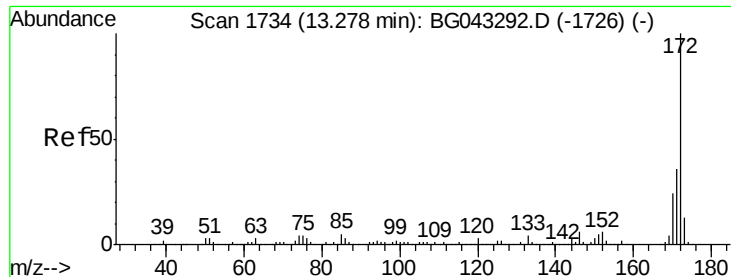
Ion Ratio Lower Upper

330 100

332 100.1 77.4 116.0

141 29.5 22.8 34.2

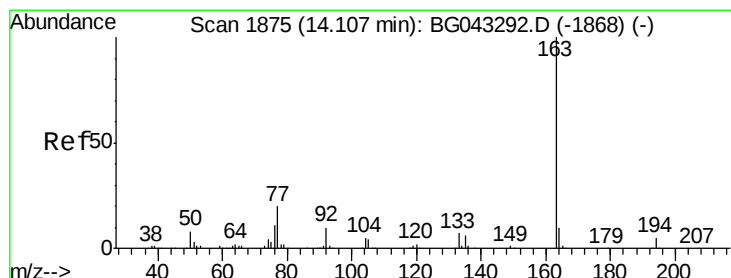
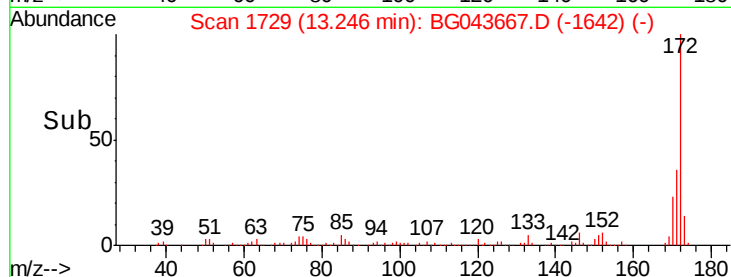
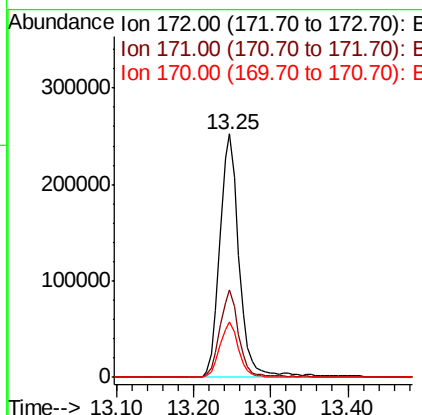
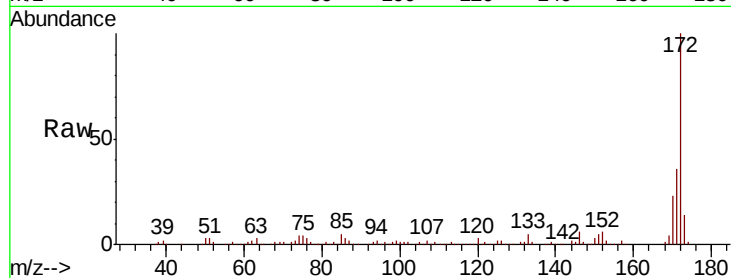




#45
2-Fluorobiphenyl
Concen: 89.873 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

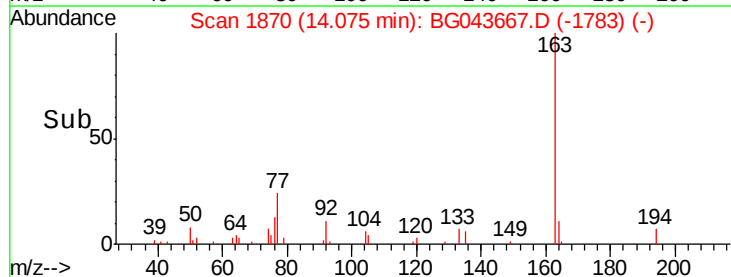
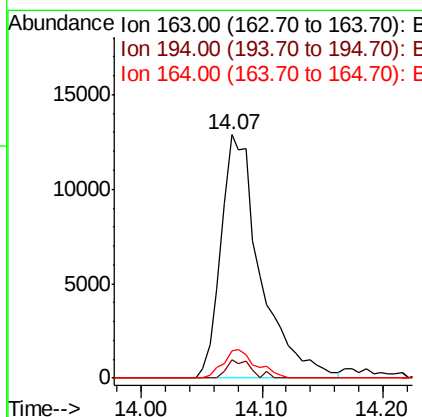
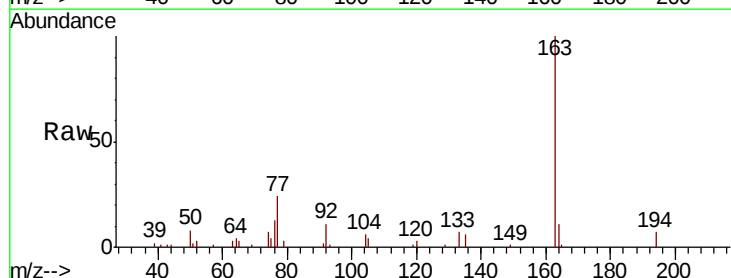
Instrument :
BNA_G
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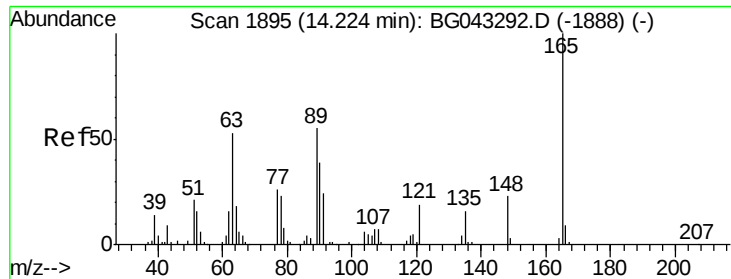
Tot Ion:172 Resp: 439697
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 23.0 18.5 27.7



#50
Dimethylphthalate
Concen: 5.551 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

Tgt Ion:163 Resp: 29067
Ion Ratio Lower Upper
163 100
194 7.4 3.8 5.6#
164 11.3 8.9 13.3





#51

2,6-Dinitrotoluene

Concen: 7.302 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.41 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Instrument :

BNA_G

ClientSampleId :

GE-MW-58-1D

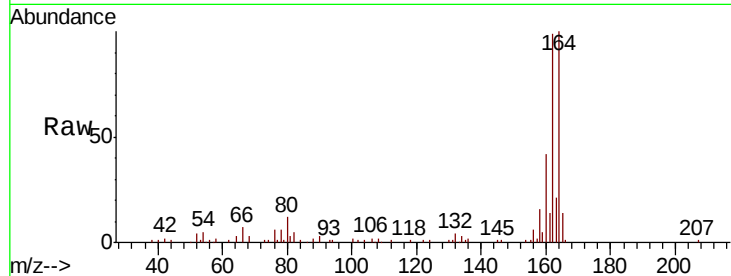
Tot Ion:165 Resp: 8307

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

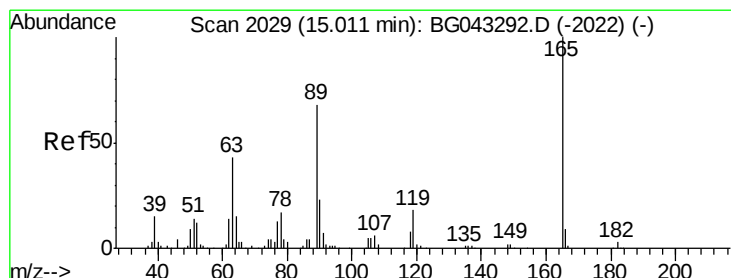
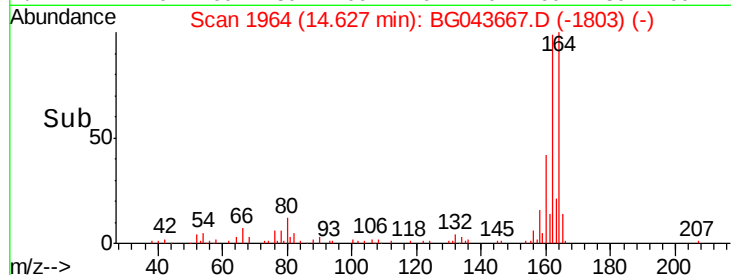
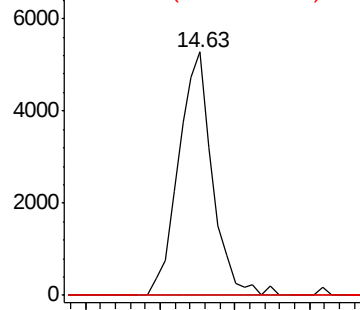
89 0.0 45.1 67.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.110 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.38 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Tgt Ion:165 Resp: 8307

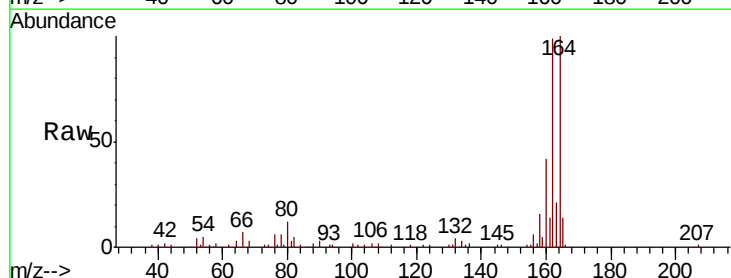
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

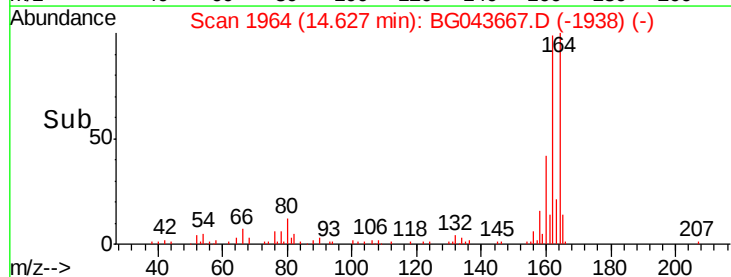
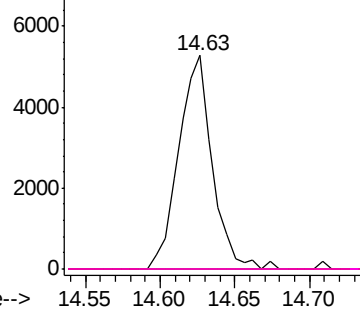


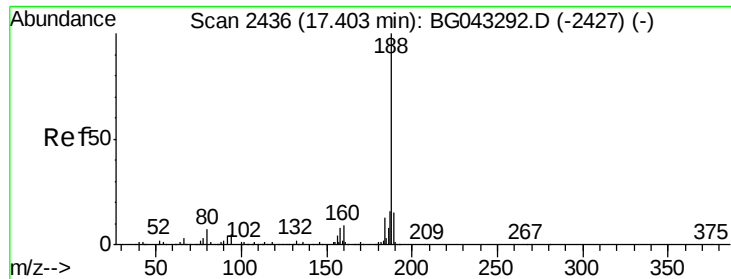
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Instrument :

BNA_G

ClientSampleId :

GE-MW-58-1D

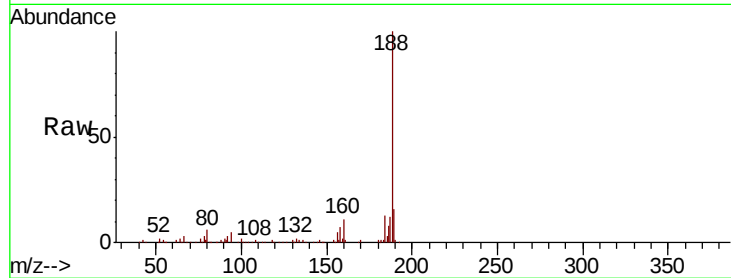
Tot Ion:188 Resp: 177011

Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.4

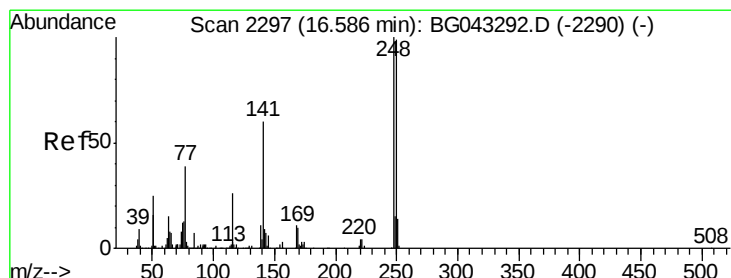
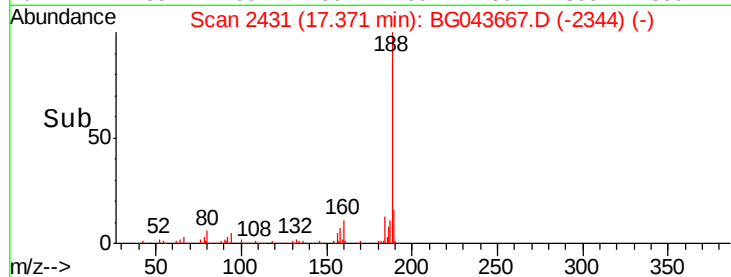
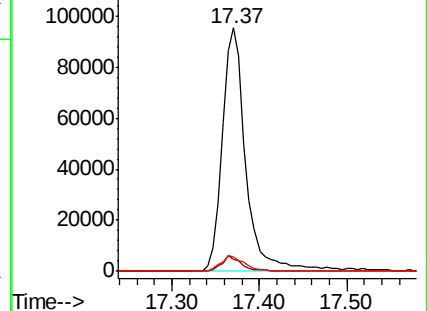
80 6.0 4.5 6.7



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: 3.384 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

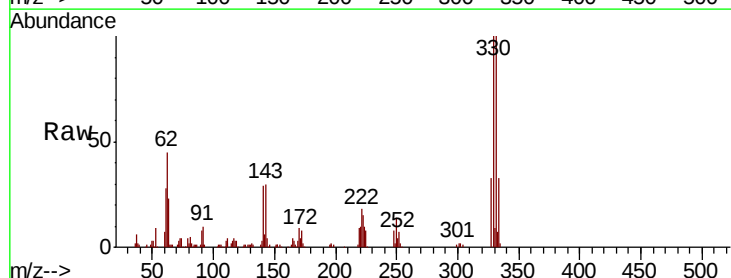
Tgt Ion:248 Resp: 8062

Ion Ratio Lower Upper

248 100

250 178.2 77.0 115.4#

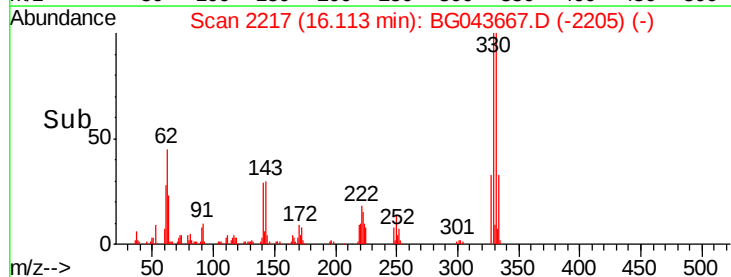
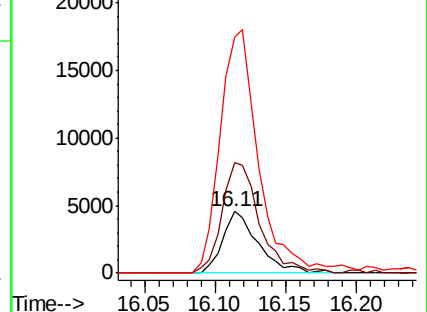
141 383.0 47.5 71.3#

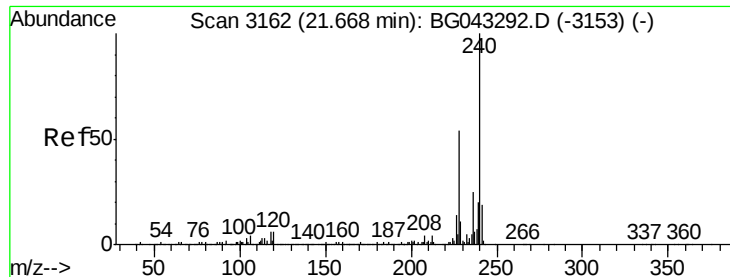


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

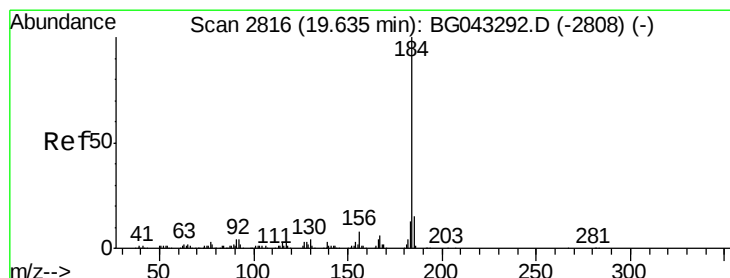
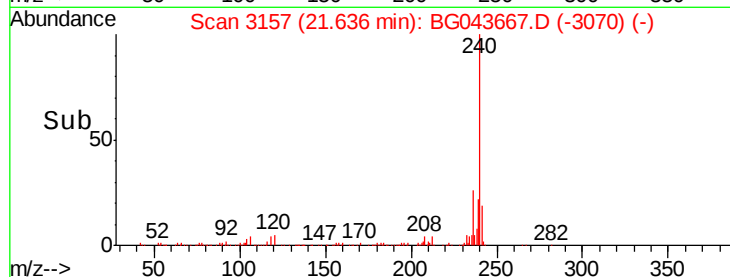
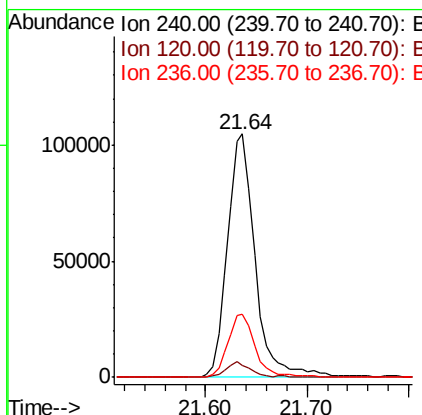
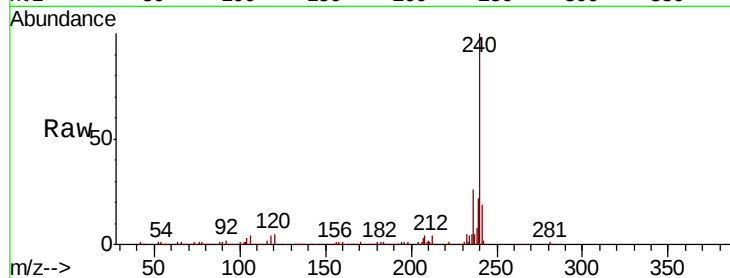




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

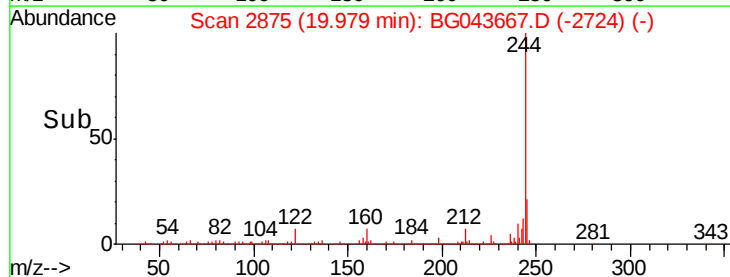
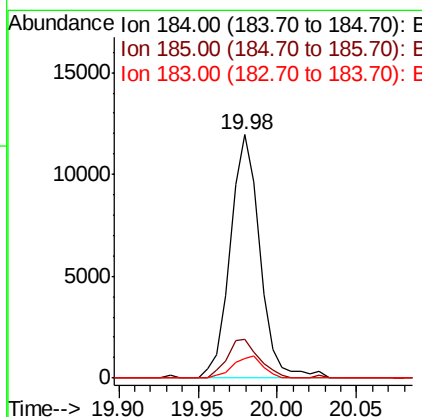
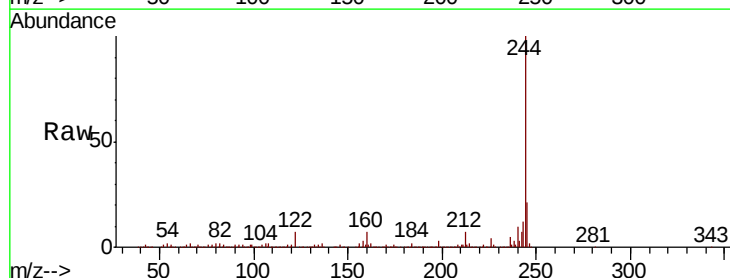
Instrument :
BNA_G
ClientSampleId :
GE-MW-58-1D

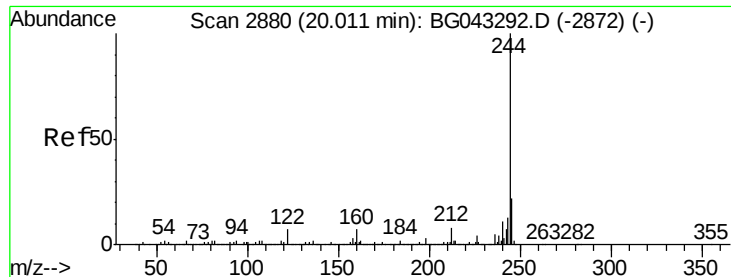
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.6	6.8
236	25.8	19.8	29.8



#77
Benzidine
Concen: 3.894 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.36 min
Lab File: BG043667.D
Acq: 16 Nov 2019 1:43

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.2	11.0	16.4
183	8.1	10.0	15.0#





#79

Terphenyl-d14

Concen: 94.778 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

Instrument :

BNA_G

ClientSampleId :

GE-MW-58-1D

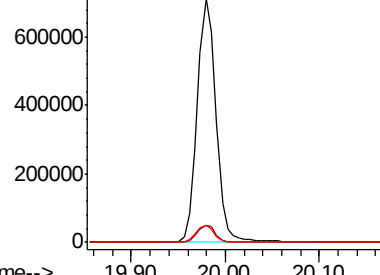
Tot Ion:244 Resp: 1000124

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	7.0	5.4	8.2

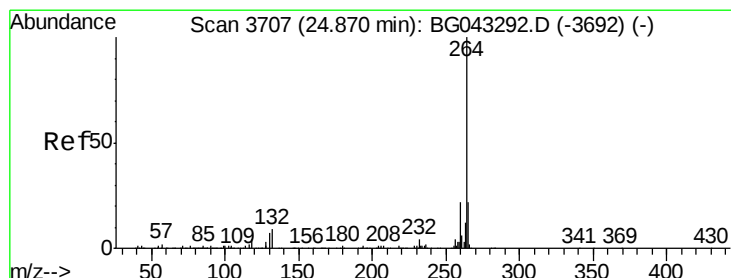
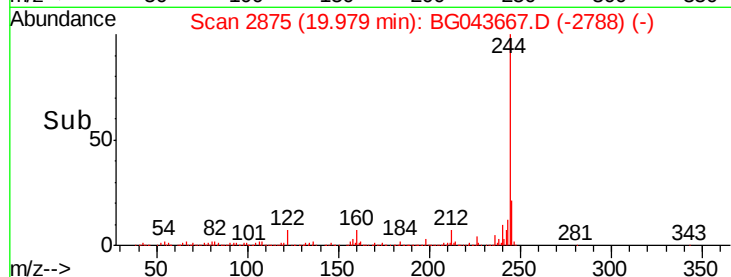
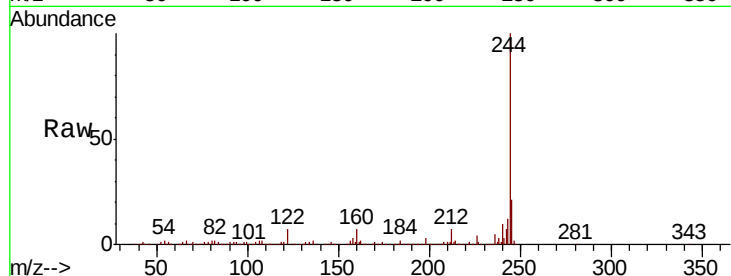
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.04 min

Lab File: BG043667.D

Acq: 16 Nov 2019 1:43

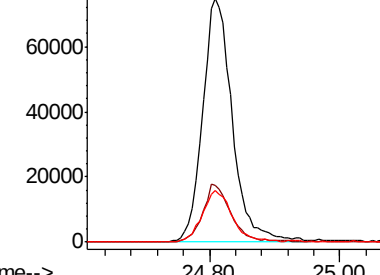
Tgt Ion:264 Resp: 235247

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.5	26.3
265	21.1	17.4	26.0

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



Time-->

