

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043322.D
 Acq On : 23 Oct 2019 23:48
 Operator : JU
 Sample : K5505-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 55-ST-22

Quant Time: Oct 24 06:54:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

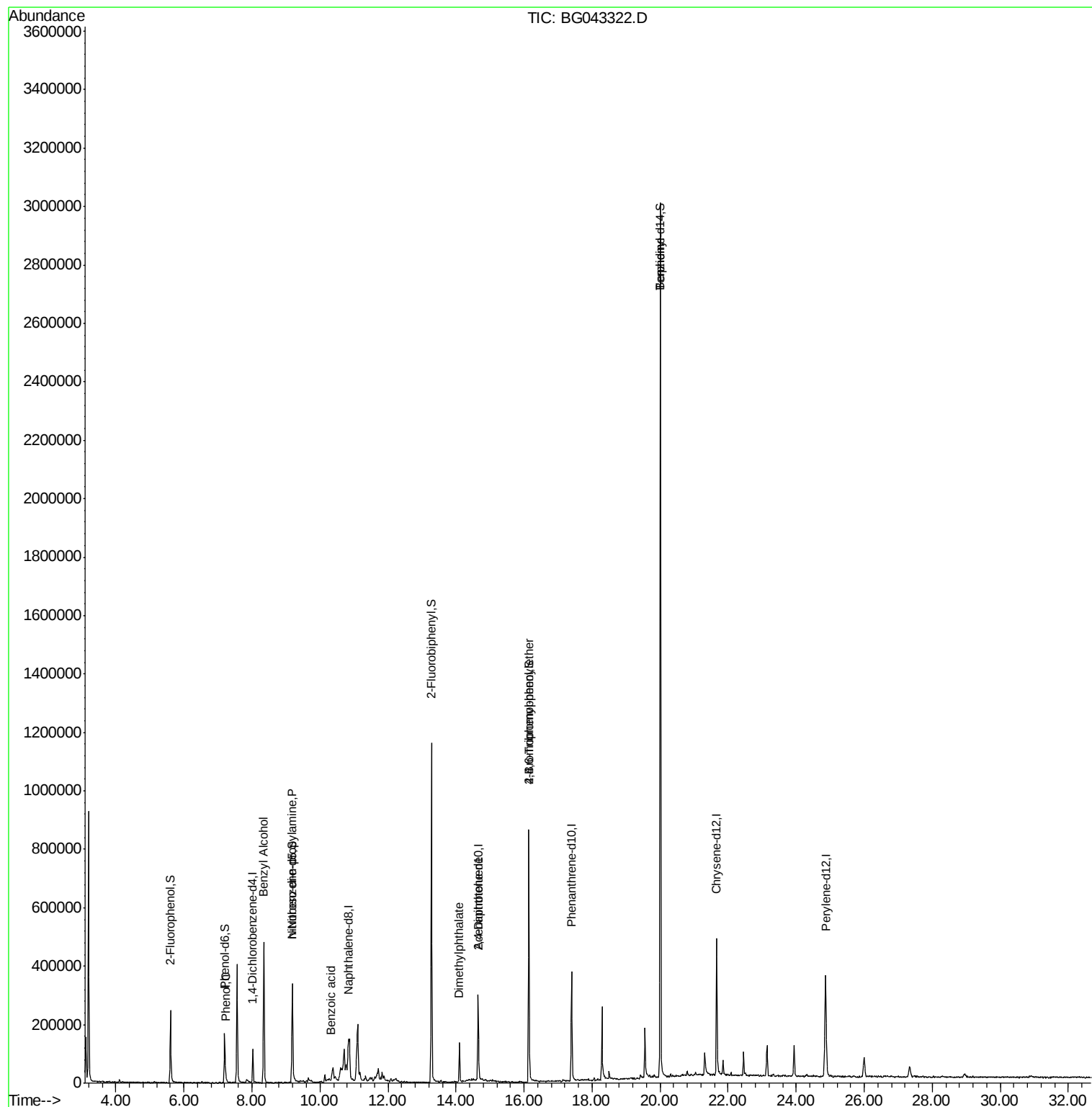
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36053	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	114892	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	102510	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	262436	20.00	ng	0.00
76) Chrysene-d12	21.66	240	319389	20.00	ng	0.00
87) Perylene-d12	24.86	264	361438	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	122075	62.05	ng	0.00
7) Phenol-d6	7.20	99	112260	39.66	ng	0.00
23) Nitrobenzene-d5	9.19	82	234273	105.12	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	203122	104.12	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	679096	91.54	ng	0.00
79) Terphenyl-d14	20.00	244	1570414	92.24	ng	0.00
Target Compounds						
10) Phenol	7.23	94	5662	2.189	ng	Qvalue 81
15) Benzyl Alcohol	8.35	79	4112	2.068	ng	# 42
19) n-Nitroso-di-n-propylamine	9.19	70	30642	16.752	ng	# 72
32) Benzoic acid	10.31	122	60	9.092	ng	# 1
50) Dimethylphthalate	14.10	163	93127	11.729	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	13927	5.649	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	13186	3.734	ng	# 1
77) Benzidine	20.00	184	25289	3.934	ng	# 81

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

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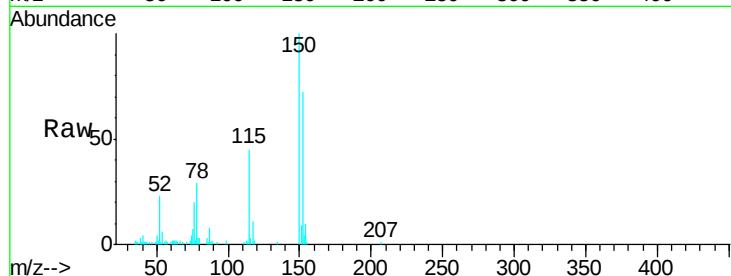


#1

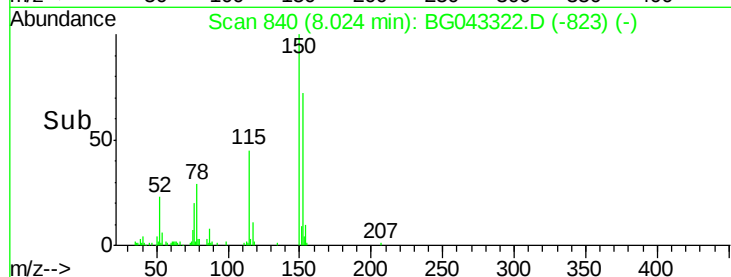
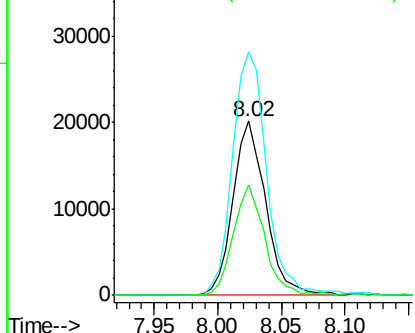
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

Instrument :
BNA_G
ClientSampleId :
55-ST-22

Tgt Ion:152 Resp: 36053
Ion Ratio Lower Upper
152 100
150 139.8 113.6 170.4
115 63.6 45.9 68.9



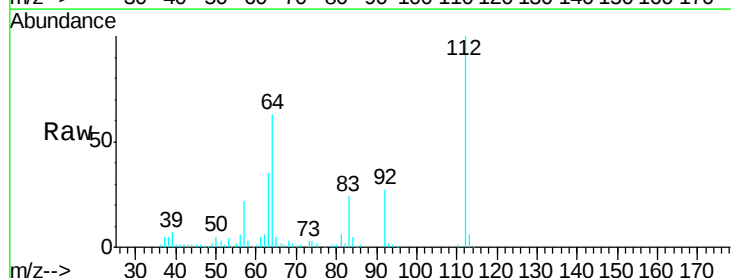
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



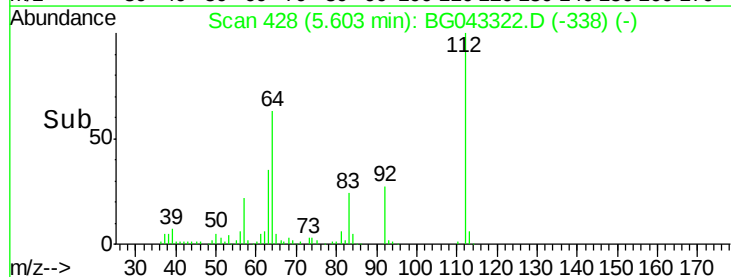
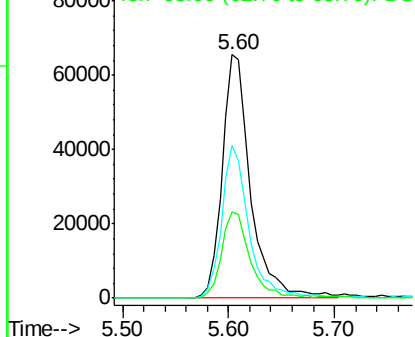
#5

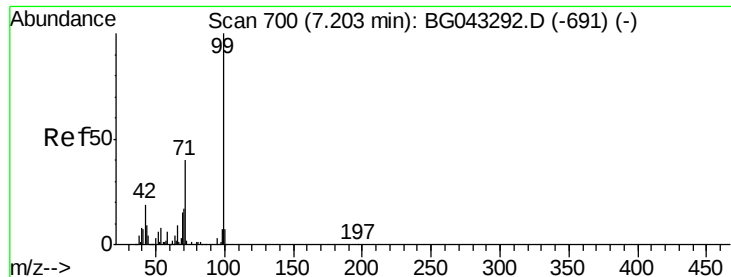
2-Fluorophenol
Concen: 62.046 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

Tgt Ion:112 Resp: 122075
Ion Ratio Lower Upper
112 100
64 62.6 50.2 75.2
63 35.5 26.7 40.1



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: 39.658 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

BNA_G

ClientSampleId :

55-ST-22

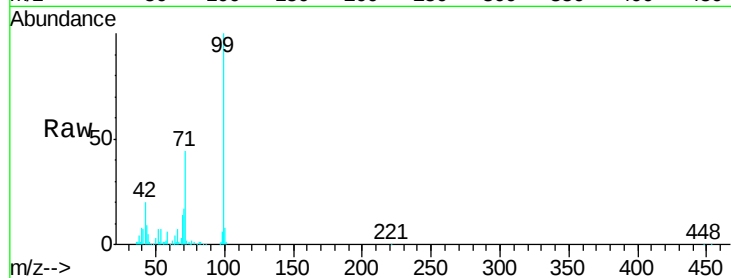
Tgt Ion: 99 Resp: 112260

Ion Ratio Lower Upper

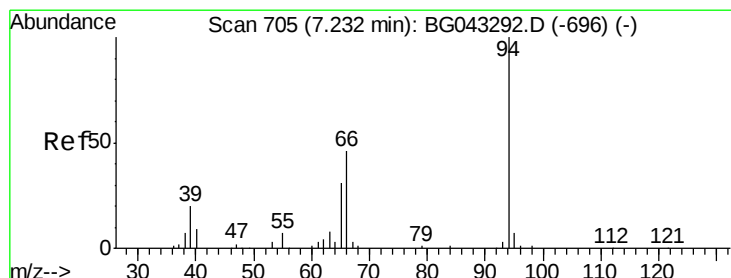
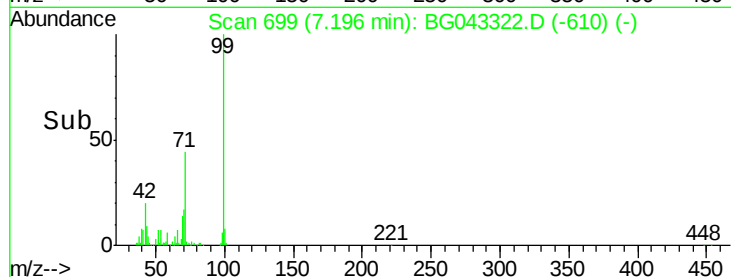
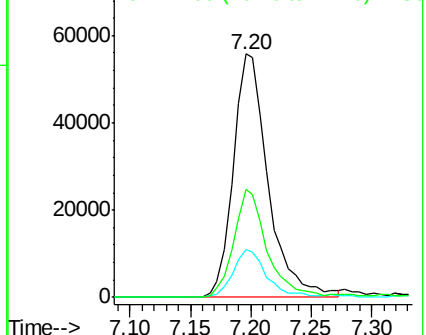
99 100

42 19.7 14.9 22.3

71 44.4 32.2 48.2



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: 2.189 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

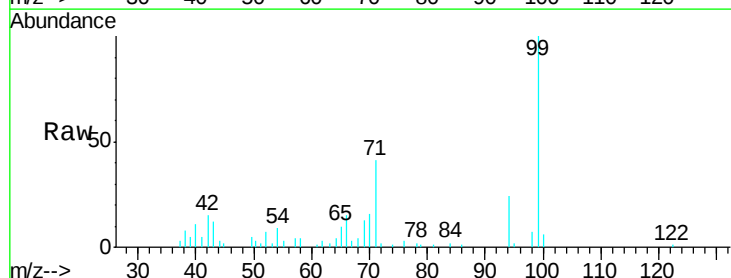
Tgt Ion: 94 Resp: 5662

Ion Ratio Lower Upper

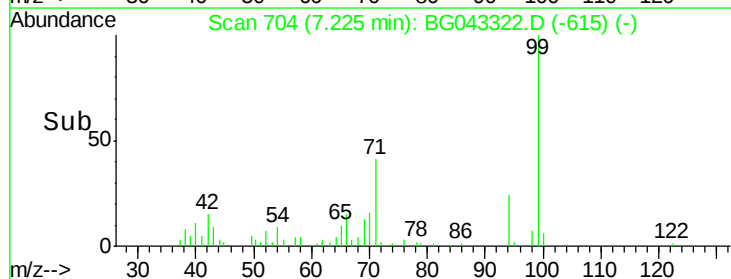
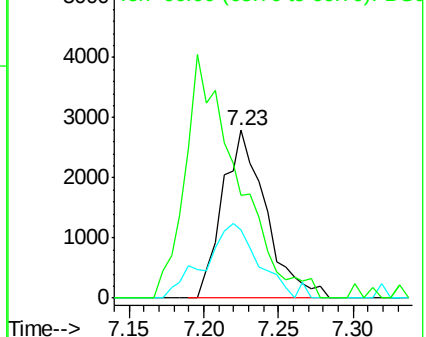
94 100

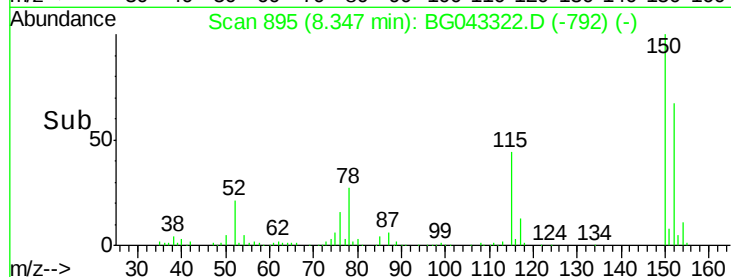
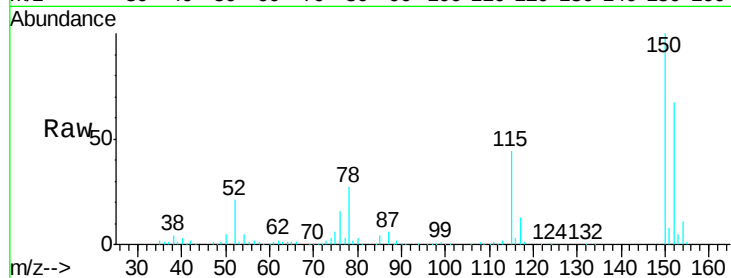
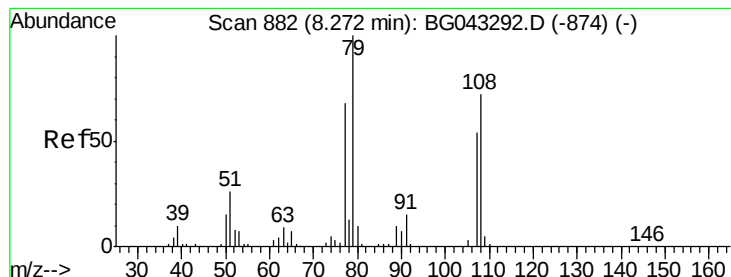
65 40.5 11.1 51.1

66 61.1 27.8 67.8



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: 2.068 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

BNA_G

ClientSampleId :

55-ST-22

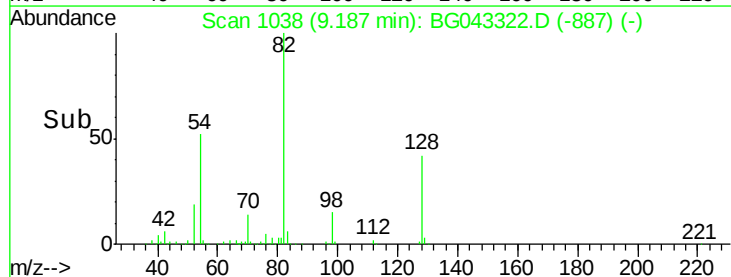
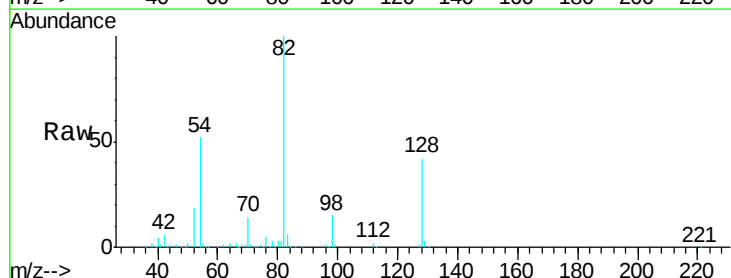
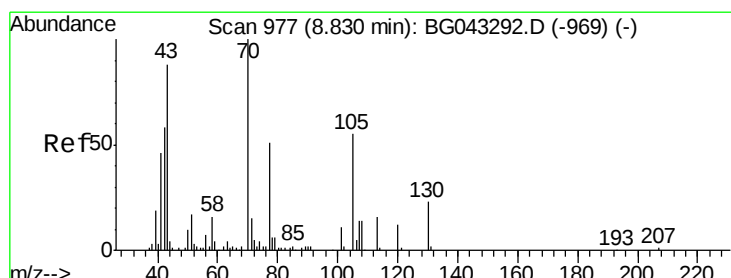
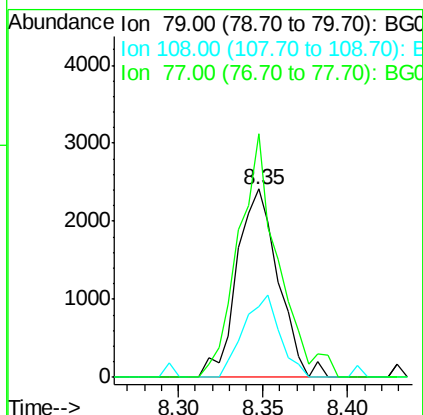
Tgt Ion: 79 Resp: 4112

Ion Ratio Lower Upper

79 100

108 37.4 57.3 85.9#

77 129.3 54.6 81.8#



#19

n-Nitroso-di-n-propylamine

Concen: 16.752 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Tgt Ion: 70 Resp: 30642

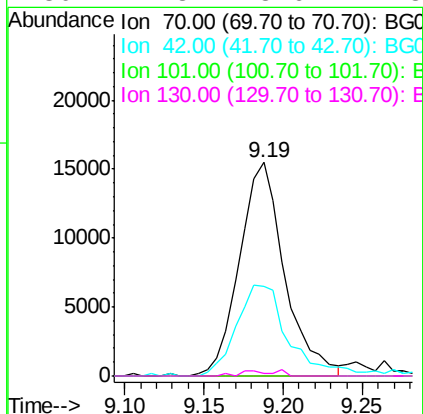
Ion Ratio Lower Upper

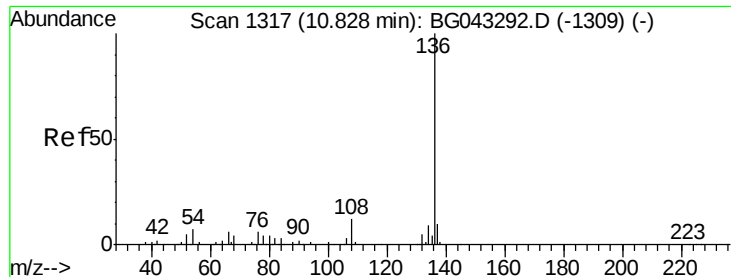
70 100

42 41.7 46.2 69.2#

101 0.0 8.6 13.0#

130 1.3 18.6 27.8#

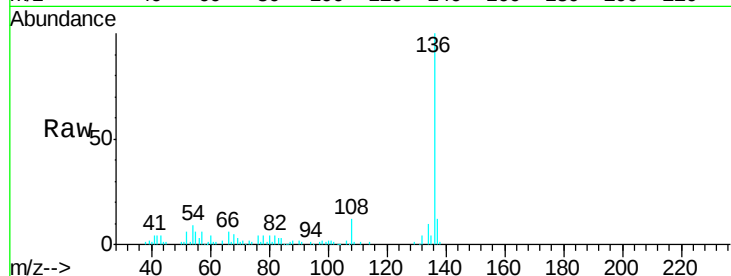




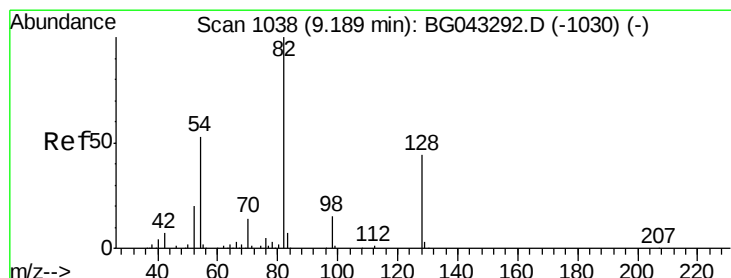
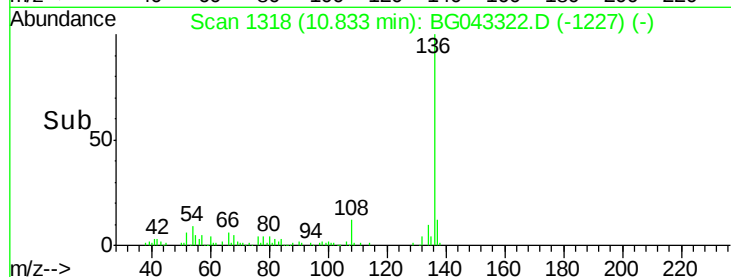
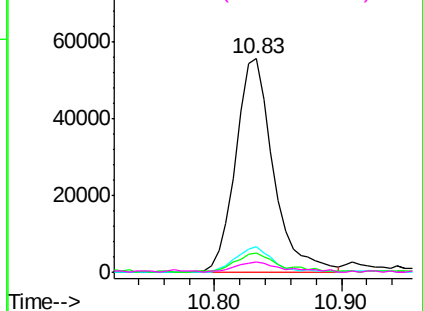
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

Instrument :
BNA_G
ClientSampleId :
55-ST-22

Tgt Ion:	136	Resp:	114892
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.2
54	9.1	5.4	8.2#
68	4.7	3.3	4.9

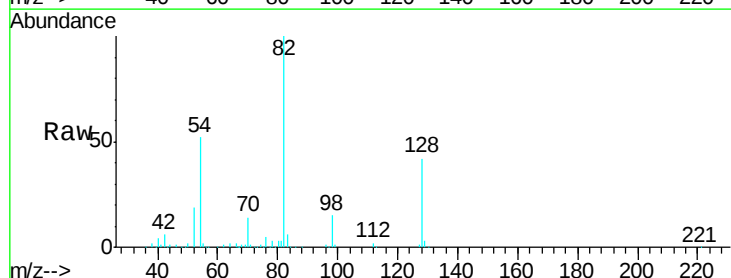


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

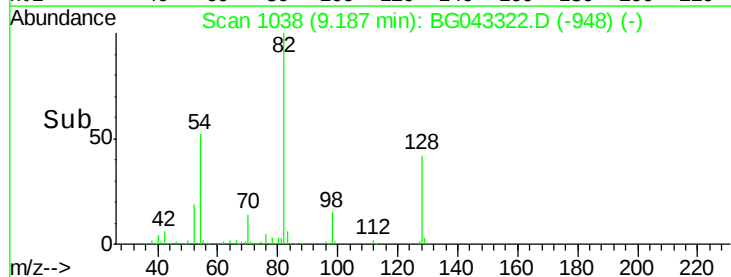
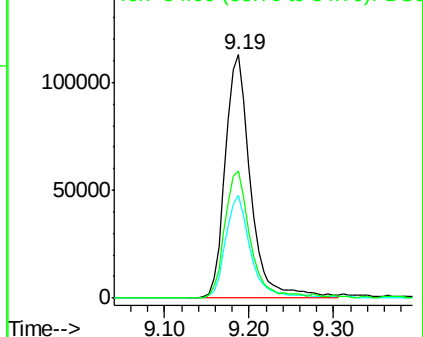


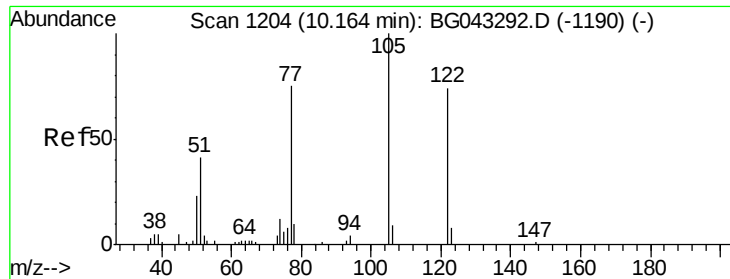
#23
Nitrobenzene-d5
Concen: 105.123 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

Tgt Ion:	82	Resp:	234273
Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	52.0	42.3	63.5



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





#32

Benzoic acid

Concen: 9.092 ng

RT: 10.31 min Scan# 1229

Delta R.T. 0.15 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

BNA_G

ClientSampleId :

55-ST-22

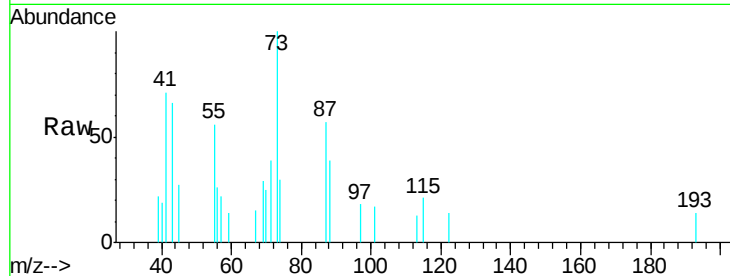
Tgt Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 112.4 152.4#

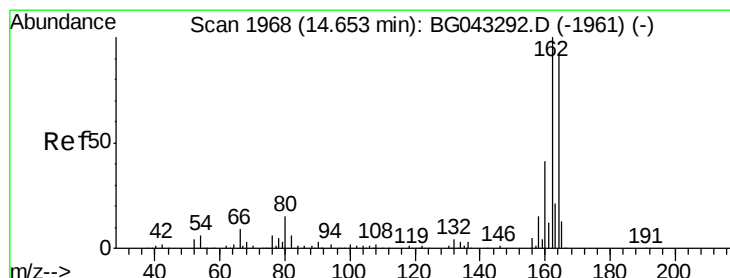
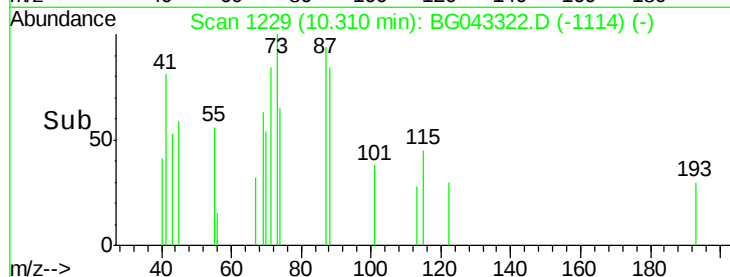
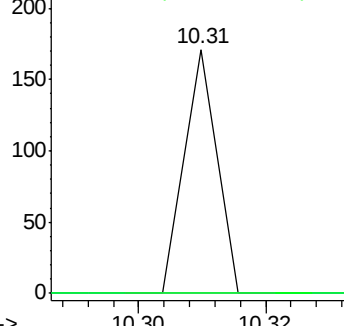
77 0.0 82.7 122.7#



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

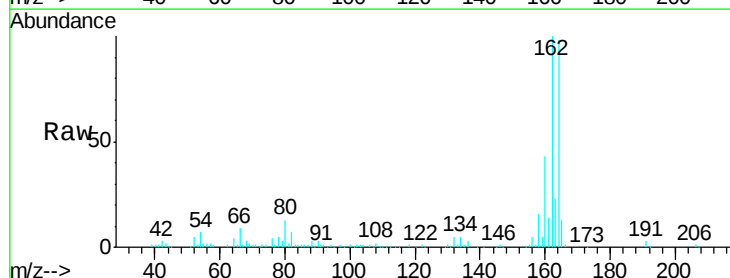
Tgt Ion:164 Resp: 102510

Ion Ratio Lower Upper

164 100

162 101.5 87.0 130.4

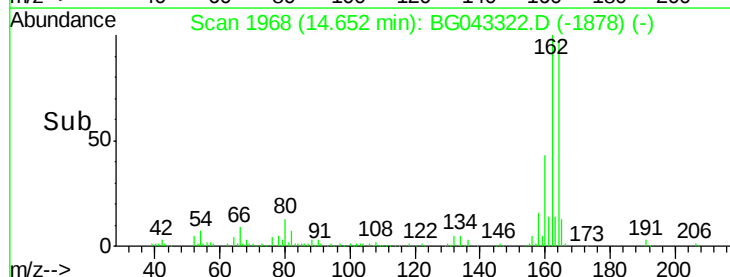
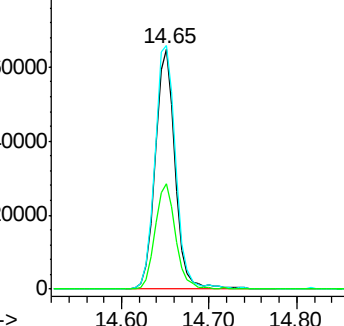
160 44.0 35.5 53.3

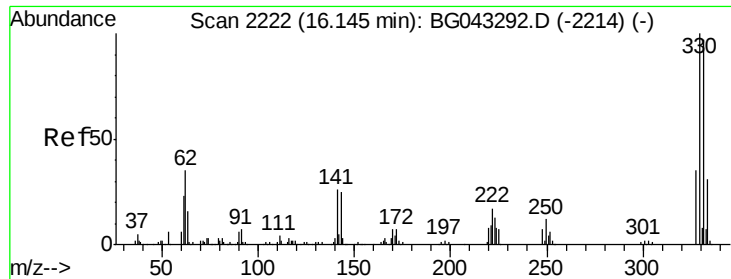


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

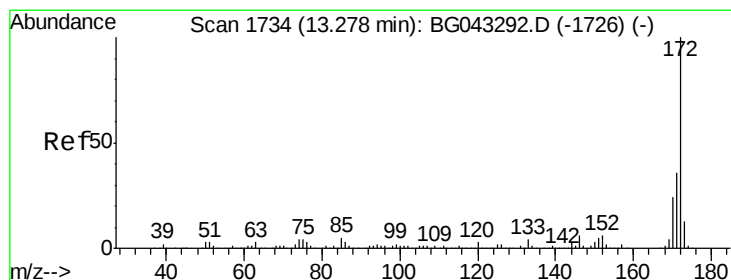
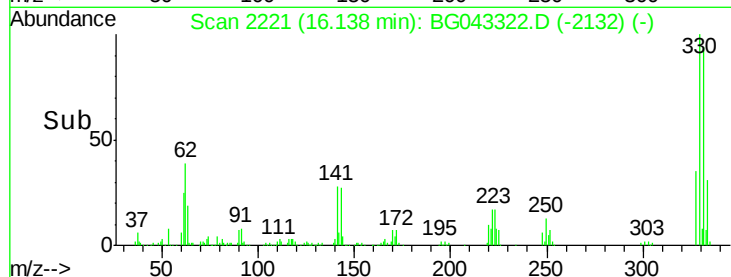
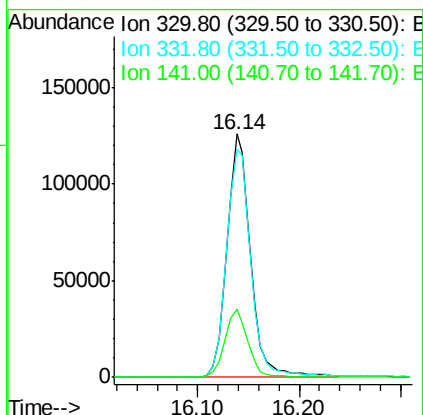
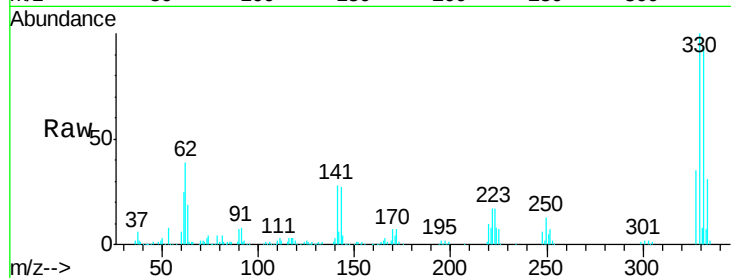




#42
 2,4,6-Tribromophenol
 Concen: 104.124 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043322.D
 Acq: 23 Oct 2019 23:48

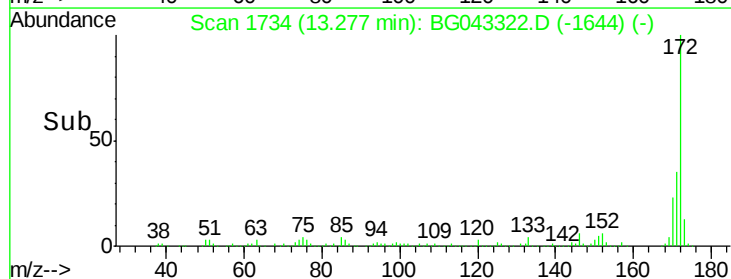
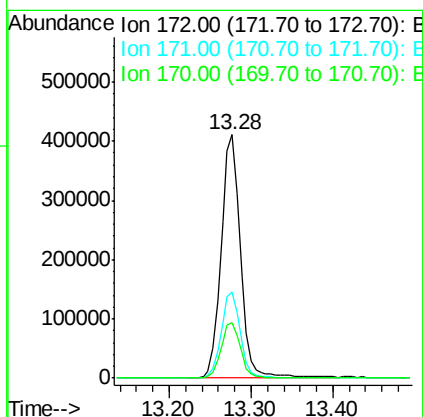
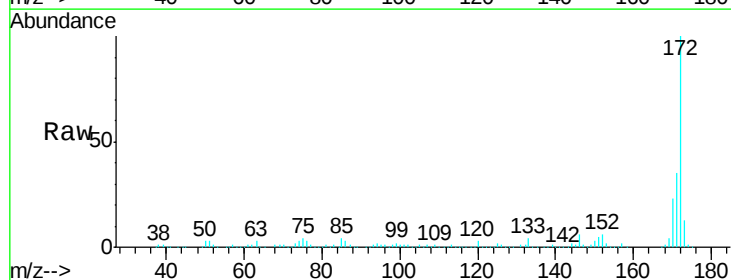
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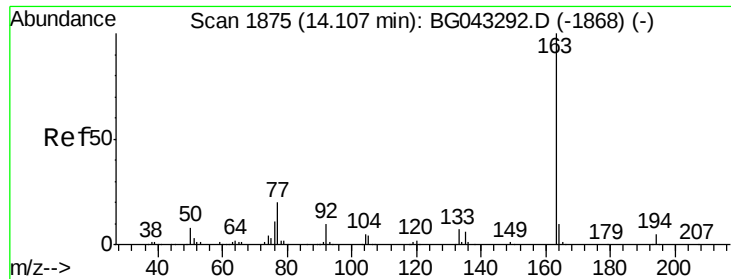
Tgt Ion:330 Resp: 203122
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.4 114.6
 141 27.6 21.4 32.0



#45
 2-Fluorobiphenyl
 Concen: 91.540 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043322.D
 Acq: 23 Oct 2019 23:48

Tgt Ion:172 Resp: 679096
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 22.7 18.8 28.2





#50

Dimethylphthalate

Concen: 11.729 ng

RT: 14.10 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

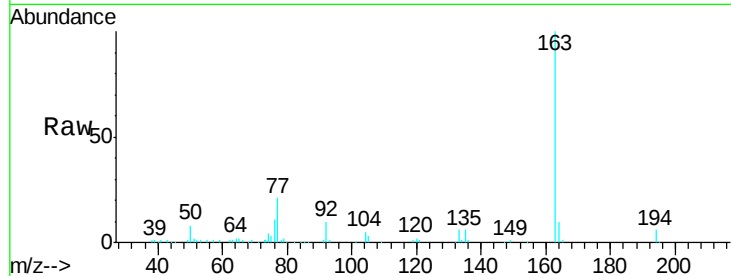
BNA_G

ClientSampleId :

55-ST-22

Tgt Ion:163 Resp: 93127

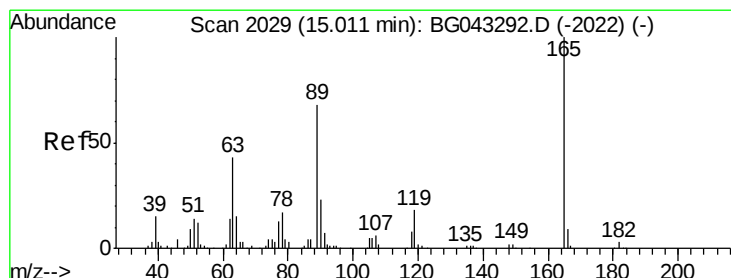
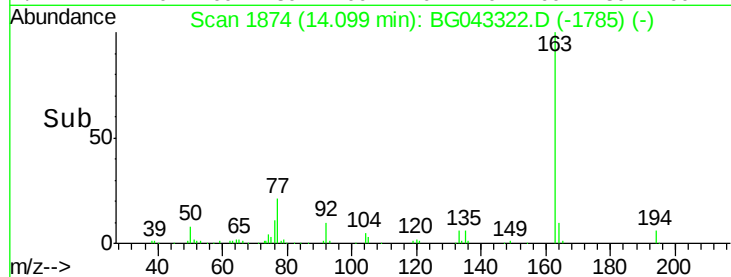
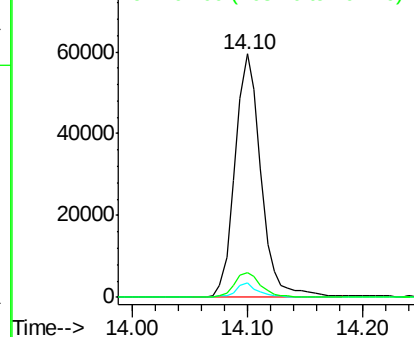
Ion	Ratio	Lower	Upper
163	100		
194	5.8	3.7	5.5#
164	9.9	8.1	12.1



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: 5.649 ng

RT: 14.65 min Scan# 1967

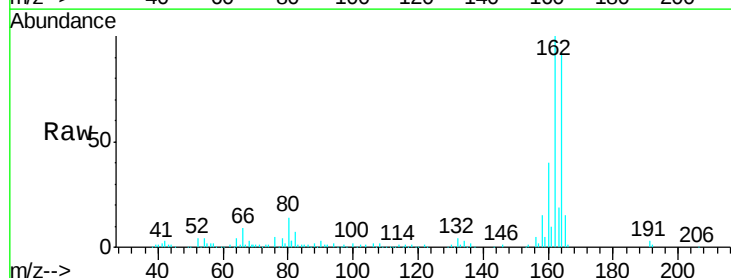
Delta R.T. -0.37 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Tgt Ion:165 Resp: 13927

Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.0	52.6#
89	2.3	54.1	81.1#
182	0.0	2.2	3.2#

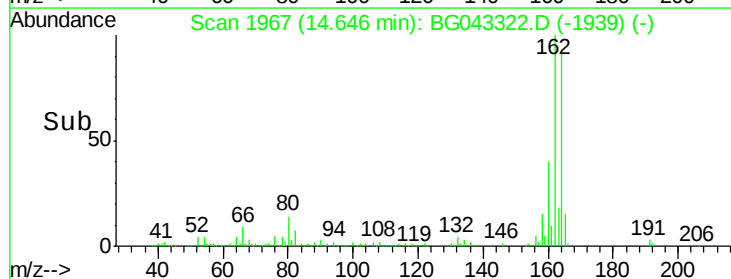
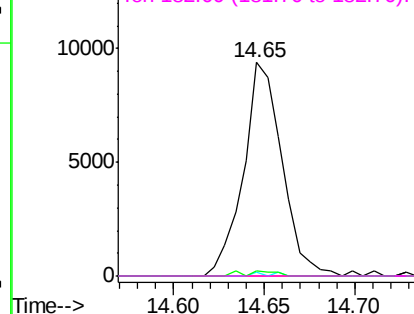


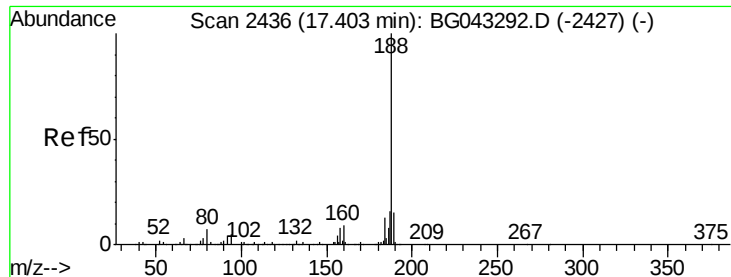
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

BNA_G

ClientSampleId :

55-ST-22

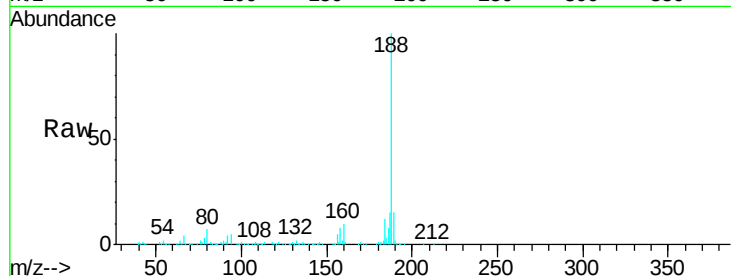
Tgt Ion:188 Resp: 262436

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

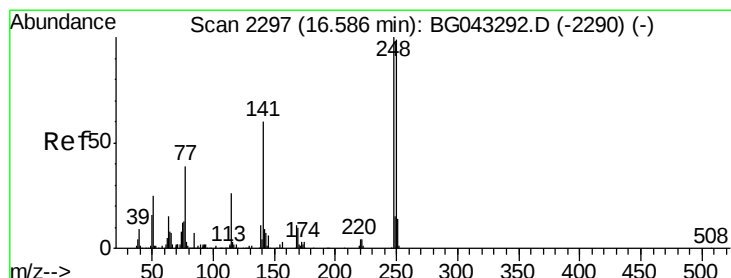
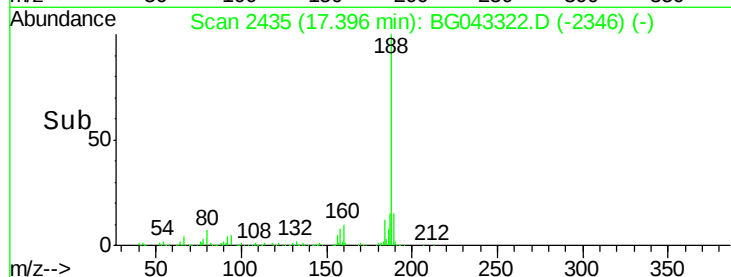
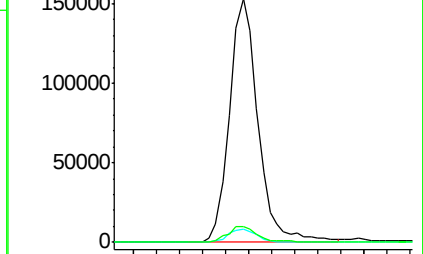
80 6.7 5.2 7.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.734 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

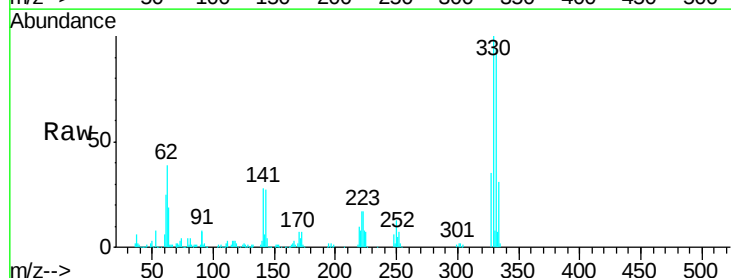
Tgt Ion:248 Resp: 13186

Ion Ratio Lower Upper

248 100

250 216.9 79.3 118.9#

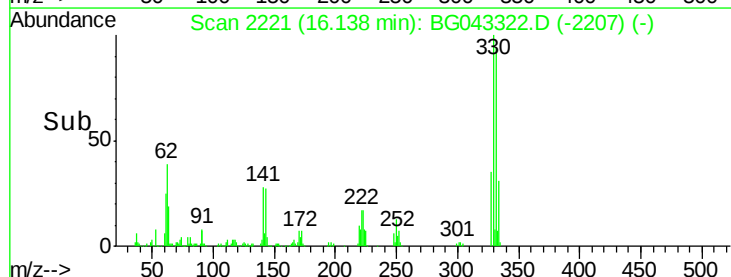
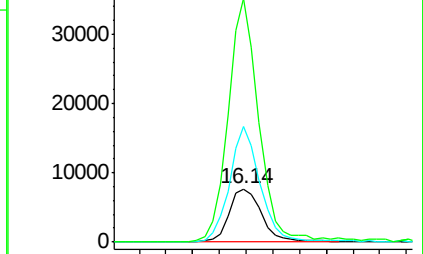
141 458.9 47.9 71.9#

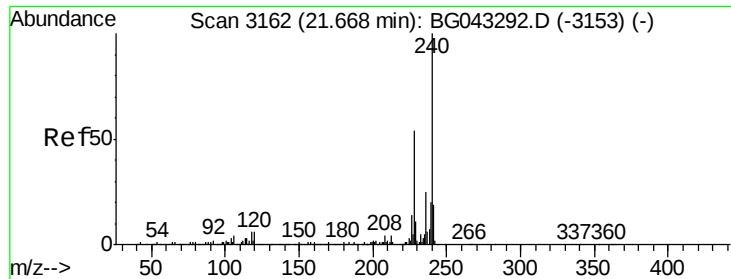


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

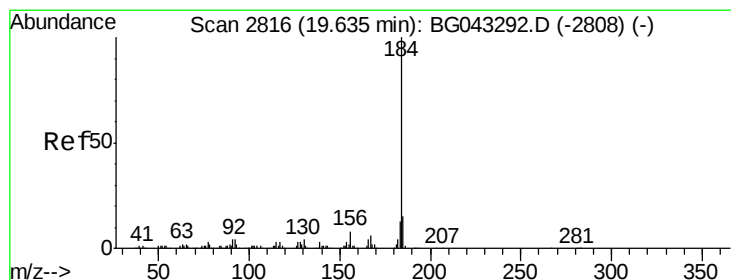
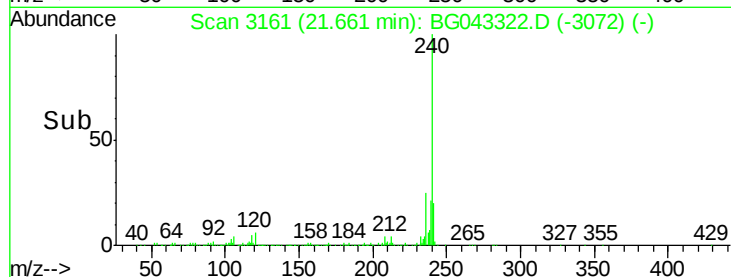
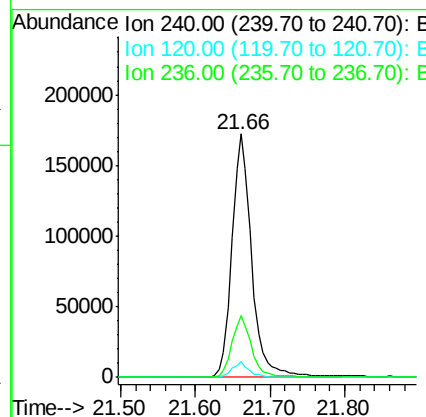
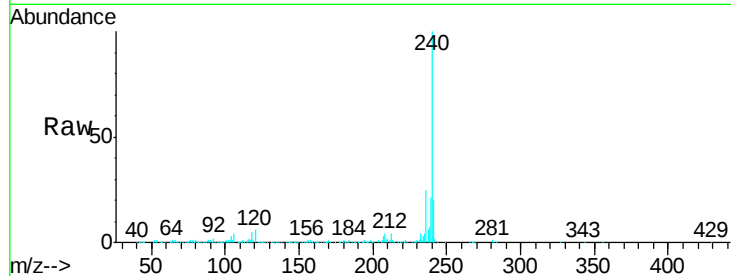




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

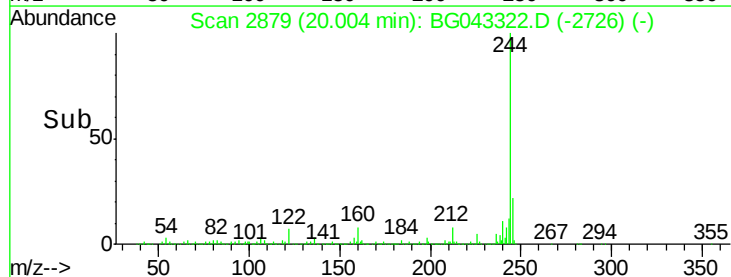
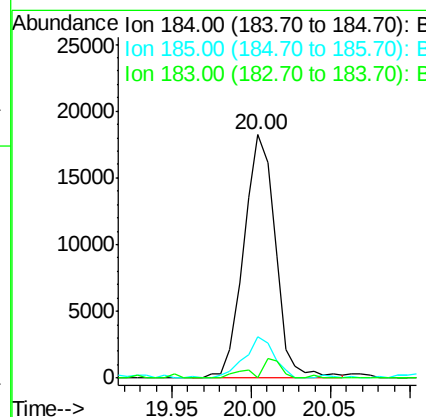
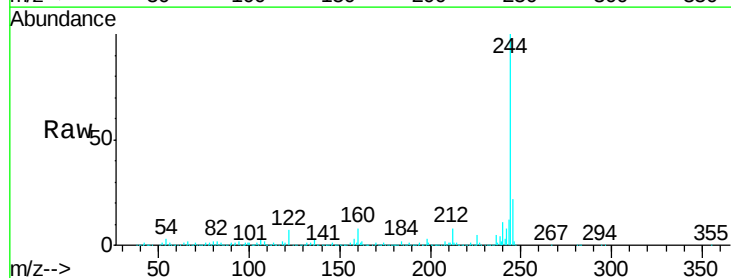
Instrument :
BNA_G
ClientSampleId :
55-ST-22

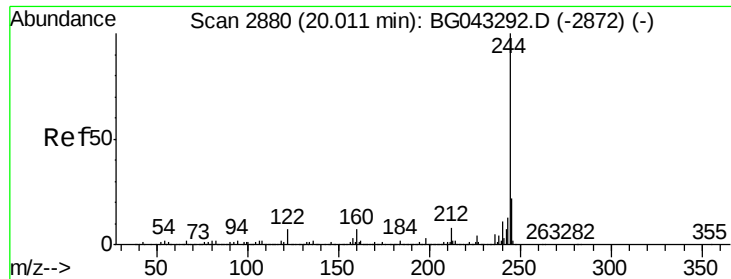
Tgt Ion:240 Resp: 319389
Ion Ratio Lower Upper
240 100
120 6.3 4.6 7.0
236 25.3 20.2 30.4



#77
Benzidine
Concen: 3.934 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.37 min
Lab File: BG043322.D
Acq: 23 Oct 2019 23:48

Tgt Ion:184 Resp: 25289
Ion Ratio Lower Upper
184 100
185 17.1 11.8 17.6
183 0.0 10.6 16.0#





#79

Terphenyl-d14

Concen: 92.244 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

Instrument :

BNA_G

ClientSampleId :

55-ST-22

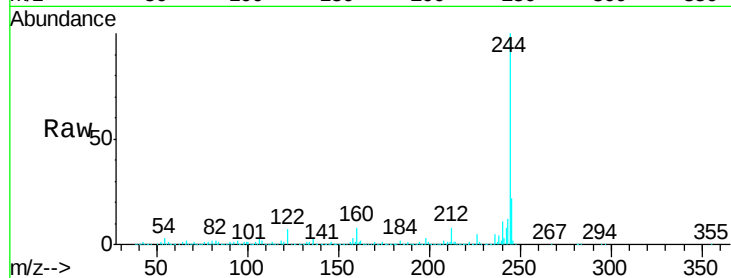
Tgt Ion:244 Resp: 1570414

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

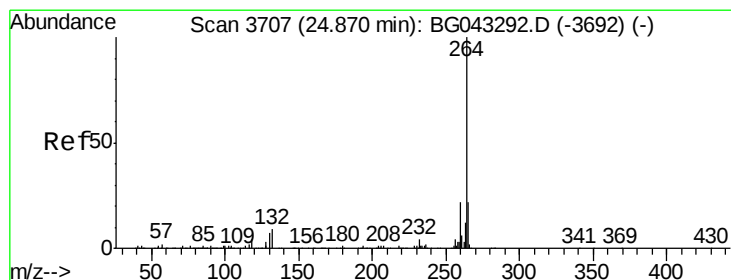
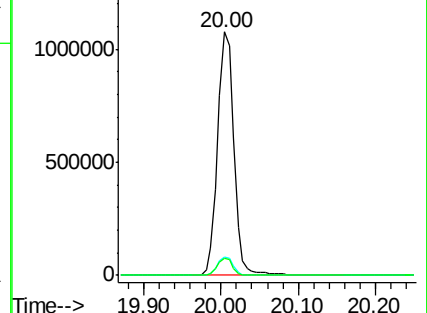
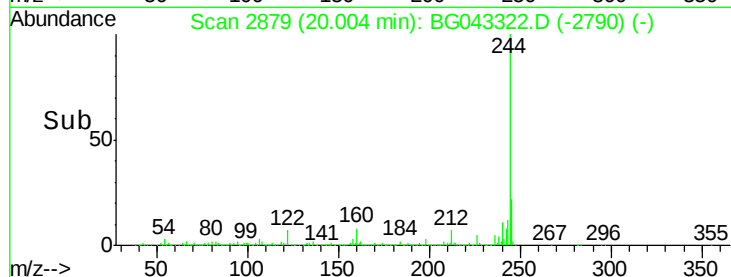
122 7.2 5.3 7.9



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: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043322.D

Acq: 23 Oct 2019 23:48

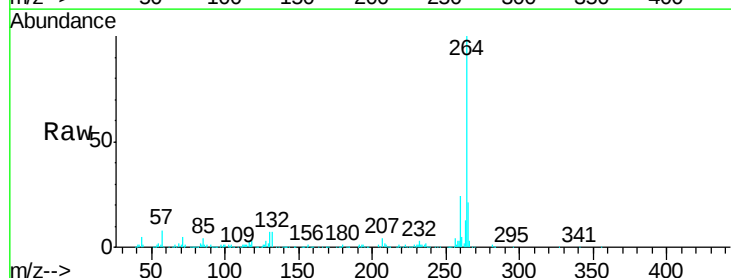
Tgt Ion:264 Resp: 361438

Ion Ratio Lower Upper

264 100

260 24.0 17.9 26.9

265 21.1 17.4 26.2



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

