

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043493.D
 Acq On : 4 Nov 2019 22:58
 Operator : JU
 Sample : K5602-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190941-AMENDED-COMPOSITE-

Quant Time: Nov 05 00:58:18 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	8.01	152	39256	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	153979	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	113701	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	280515	20.00	ng	0.00
76) Chrysene-d12	21.65	240	301018	20.00	ng	0.00
87) Perylene-d12	24.85	264	372474	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	170424	79.55	ng	0.00
7) Phenol-d6	7.19	99	152938	49.62	ng	0.00
23) Nitrobenzene-d5	9.17	82	226172	75.73	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	267109	123.45	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	630657	76.64	ng	0.00
79) Terphenyl-d14	20.00	244	1329505	82.86	ng	0.00

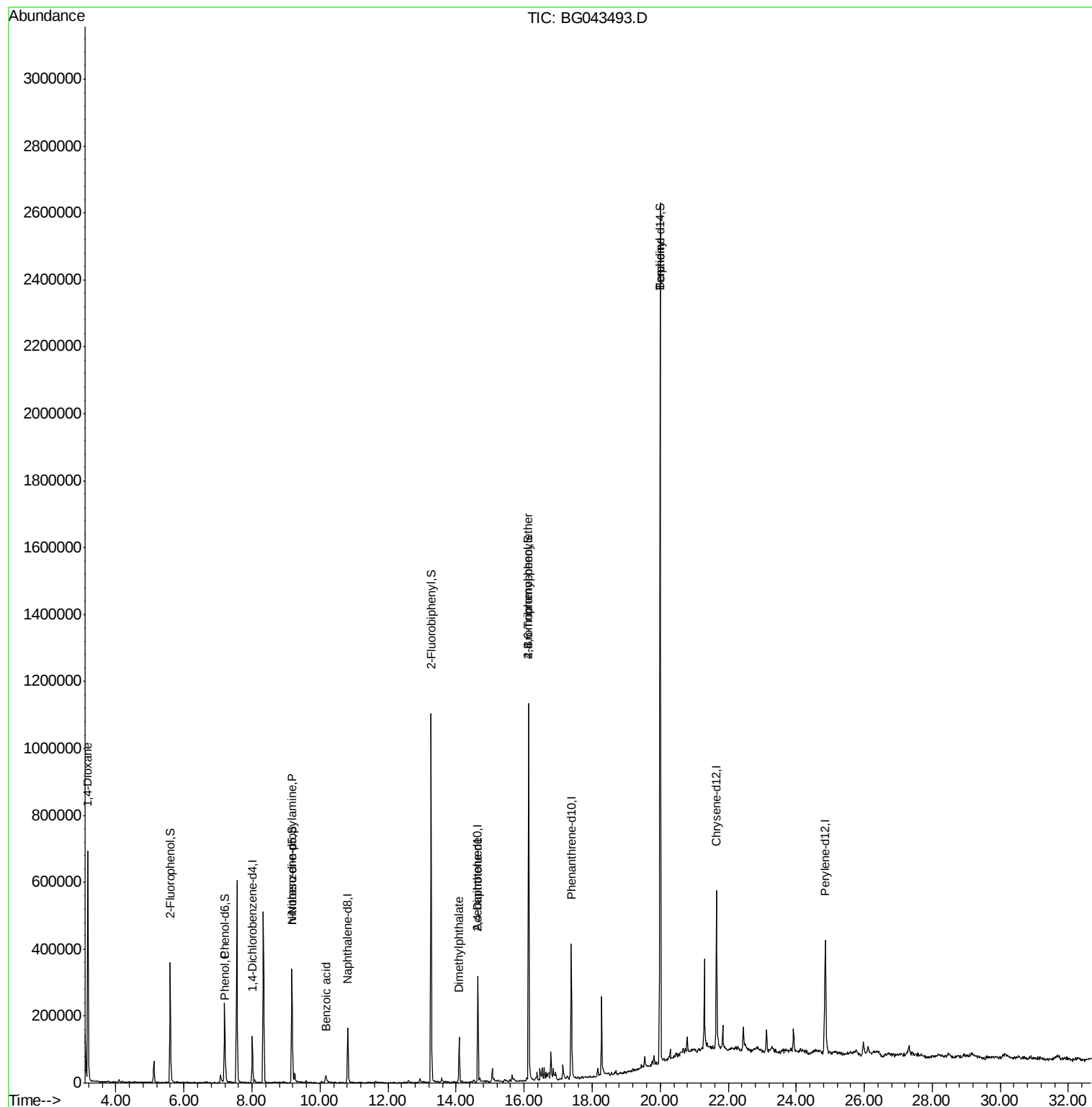
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	6940	8.313	ng	# 1
10) Phenol	7.22	94	13659	4.850	ng	# 89
19) n-Nitroso-di-n-propylamine	9.17	70	31601	15.867	ng	# 70
32) Benzoic acid	10.17	122	422	9.277	ng	# 71
50) Dimethylphthalate	14.09	163	97056	11.020	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	16158	5.909	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	17585	4.658	ng	# 1
77) Benzidine	20.00	184	20387	3.365	ng	# 89

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

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Response via : Initial Calibration



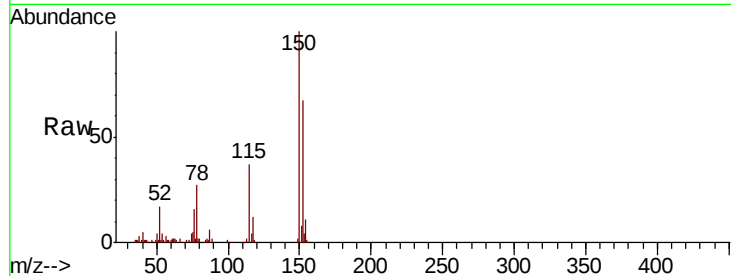


#1

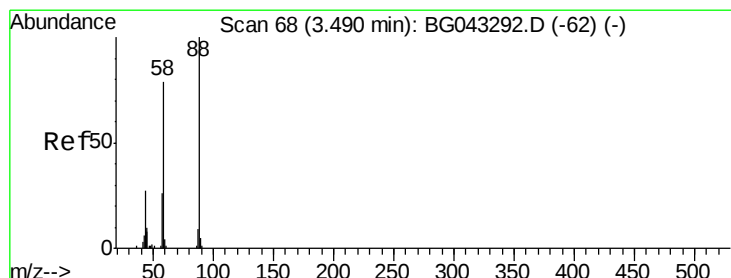
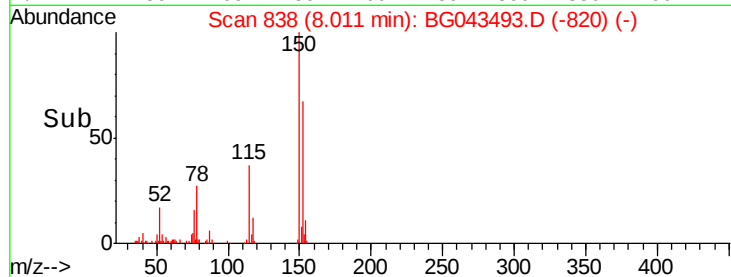
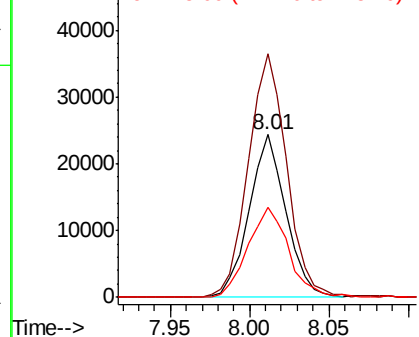
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Instrument :
BNA_G
ClientSampleId :
20190941-AMENDED-COMPOSITE-

Tot Ion:152 Resp: 39256
Ion Ratio Lower Upper
152 100
150 149.9 129.4 194.0
115 55.3 48.8 73.2



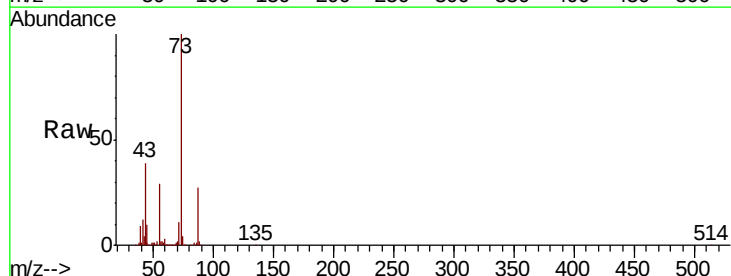
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



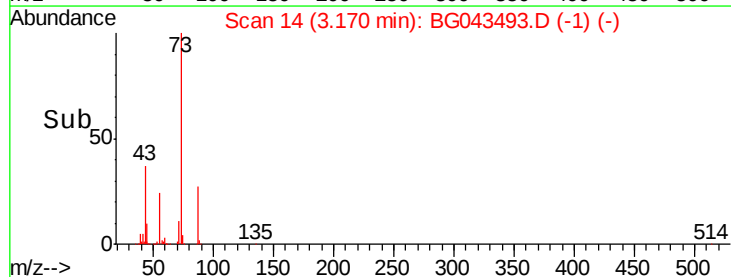
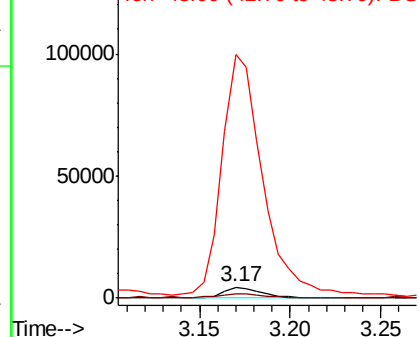
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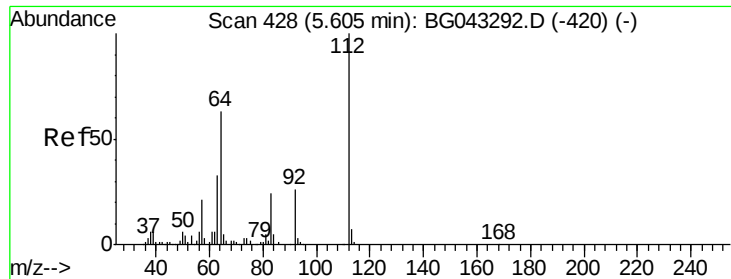
1,4-Dioxane
Concen: 8.313 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.30 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Tgt Ion: 88 Resp: 6940
Ion Ratio Lower Upper
88 100
58 34.9 62.7 94.1#
43 2300.4 23.7 35.5#



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: 79.553 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

Instrument :

BNA_G

ClientSampleId :

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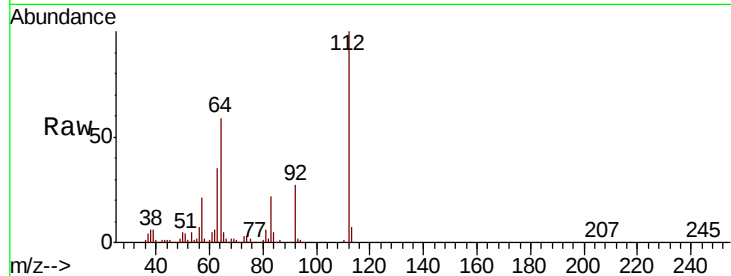
Tot Ion:112 Resp: 170424

Ion Ratio Lower Upper

112 100

64 58.8 50.0 75.0

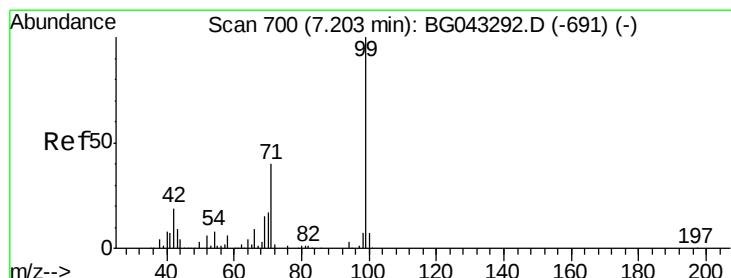
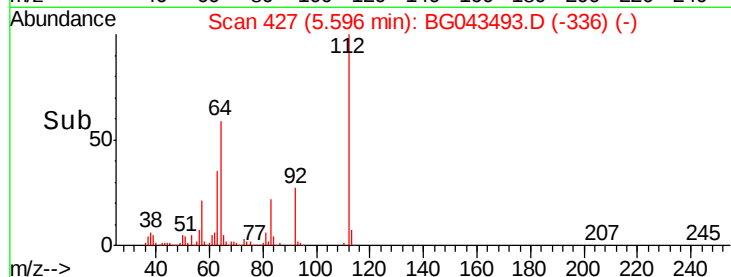
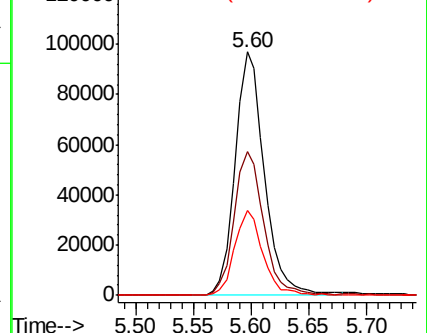
63 34.9 26.6 40.0



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: 49.619 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

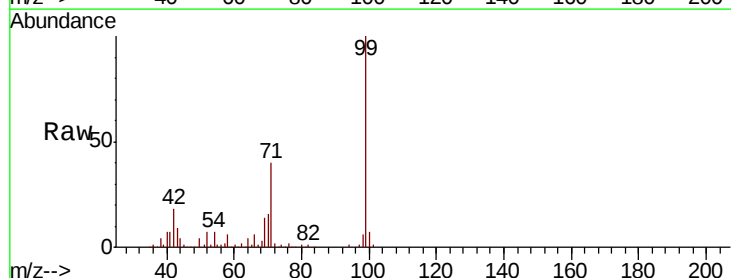
Tgt Ion: 99 Resp: 152938

Ion Ratio Lower Upper

99 100

42 18.3 14.6 21.8

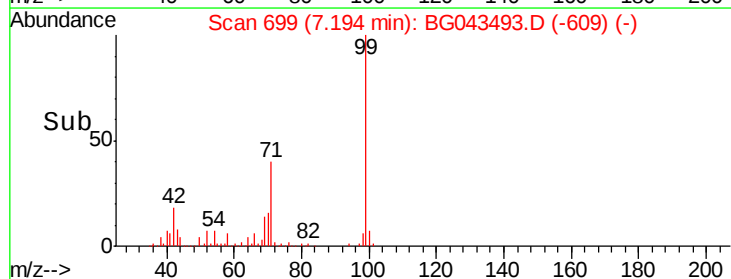
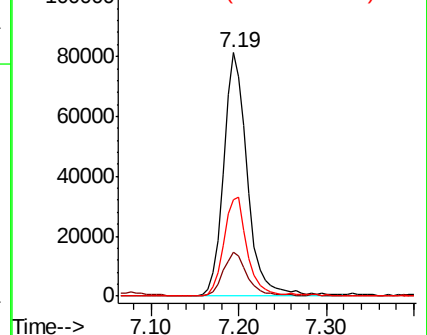
71 39.5 32.5 48.7

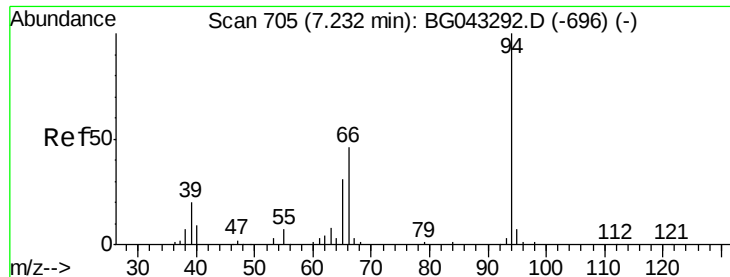


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.850 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

Instrument :

BNA_G

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20190941-AMENDED-COMPOSITE-

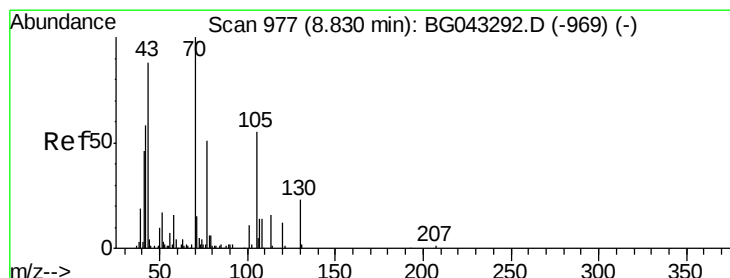
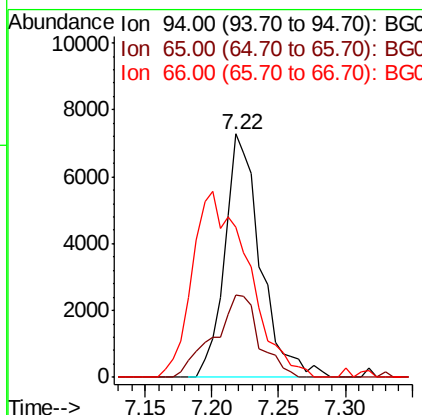
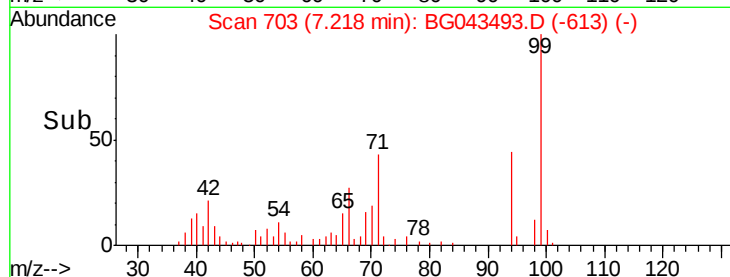
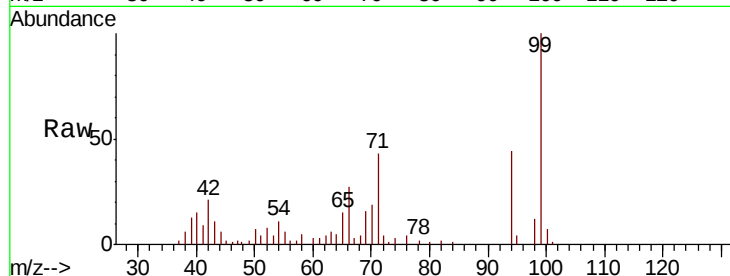
Tot Ion: 94 Resp: 13659

Ion Ratio Lower Upper

94 100

65 34.0 12.6 52.6

66 61.6 30.7 70.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.867 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

Tgt Ion: 70 Resp: 31601

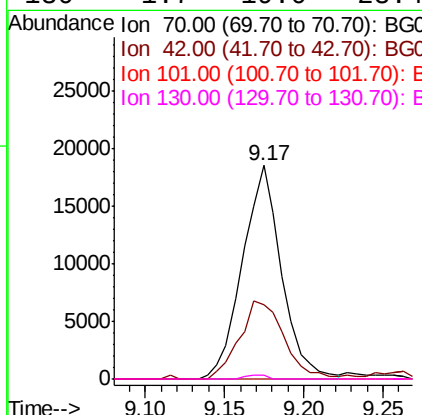
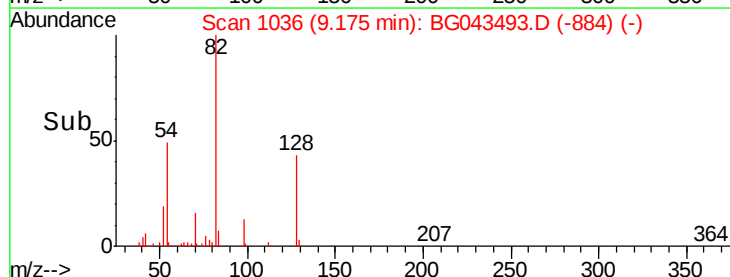
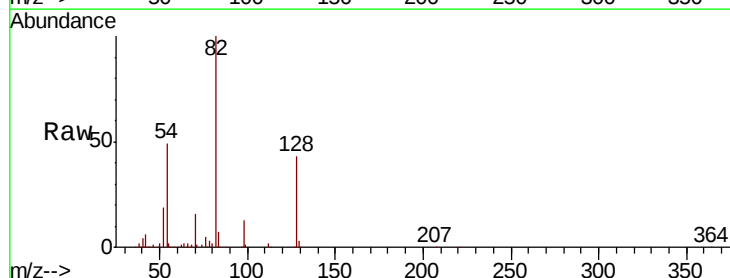
Ion Ratio Lower Upper

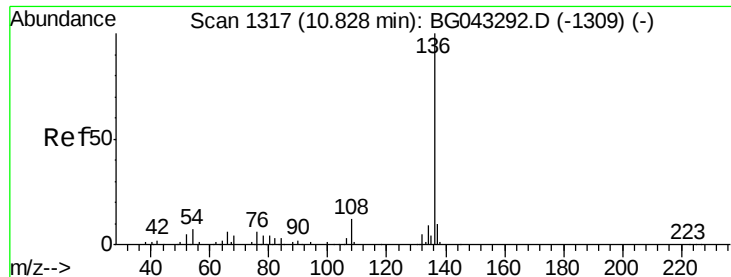
70 100

42 34.6 41.4 62.2#

101 0.0 7.9 11.9#

130 1.7 19.0 28.4#

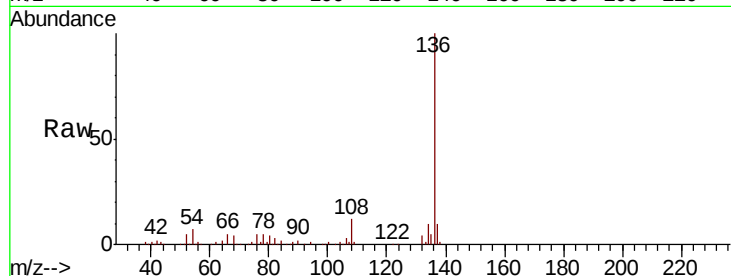




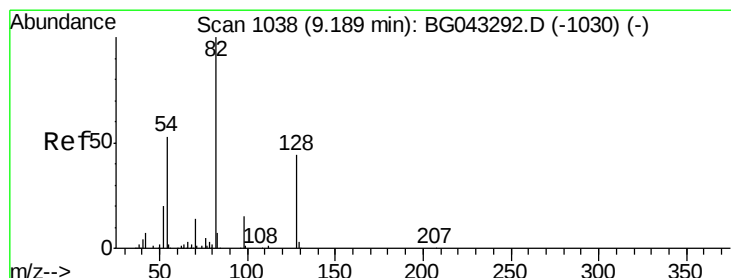
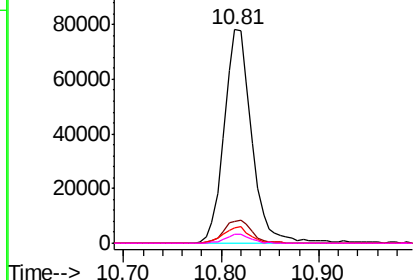
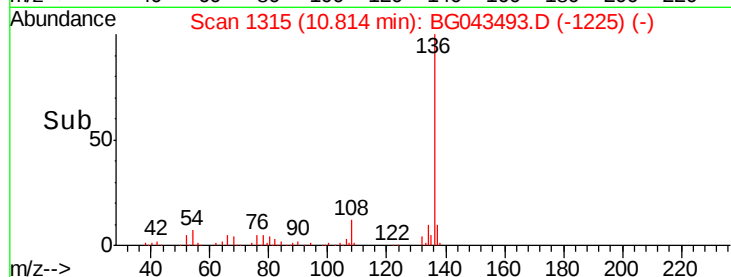
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Instrument :
BNA_G
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20190941-AMENDED-COMPOSITE-

Tot Ion:136	Resp:	153979
Ion	Ratio	Lower Upper
136	100	
137	10.1	8.7 13.1
54	7.2	5.4 8.2
68	4.0	3.0 4.4

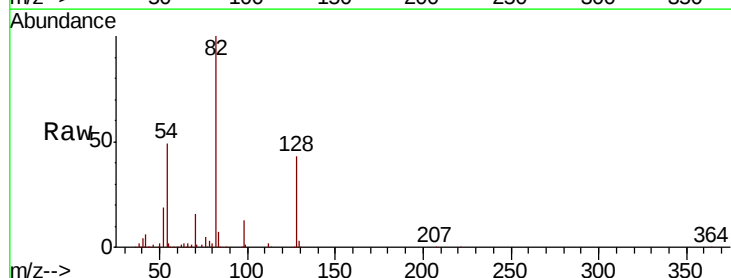


Abundance Ion 136.00 (135.70 to 136.70): E
120000 Ion 137.00 (136.70 to 137.70): E
100000 Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

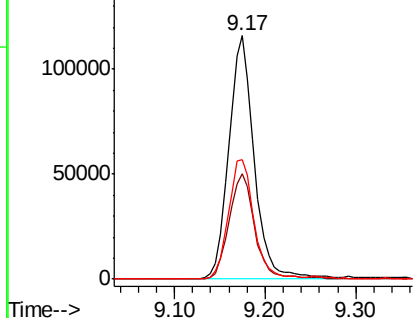
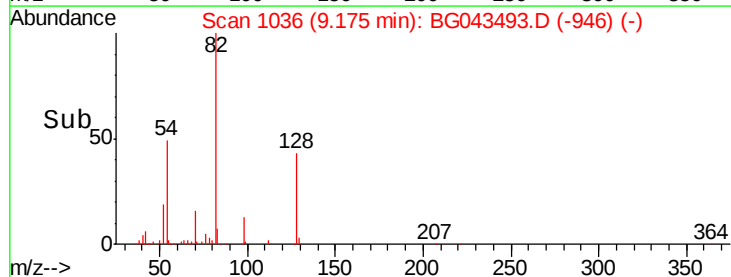


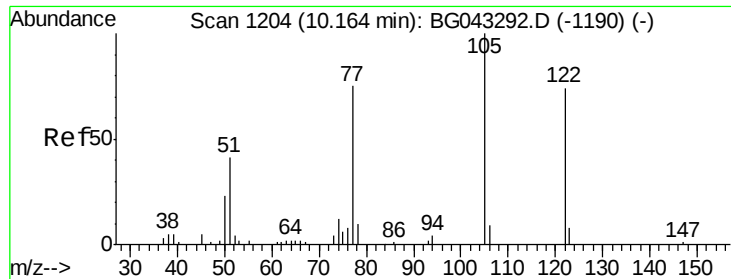
#23
Nitrobenzene-d5
Concen: 75.726 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Tgt Ion: 82	Resp:	226172
Ion	Ratio	Lower Upper
82	100	
128	43.1	35.0 52.6
54	49.0	40.2 60.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
150000 Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

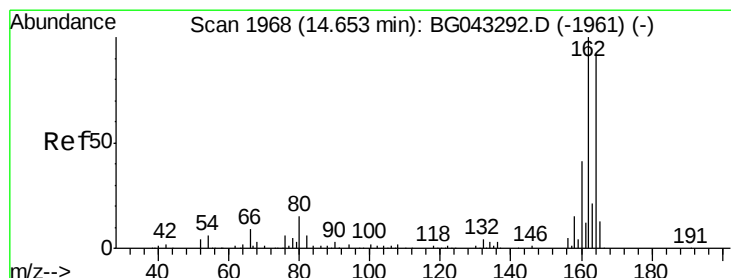
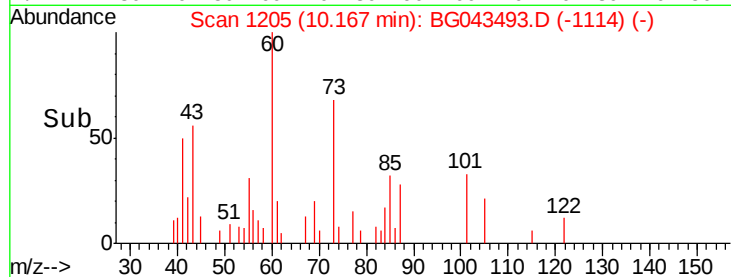
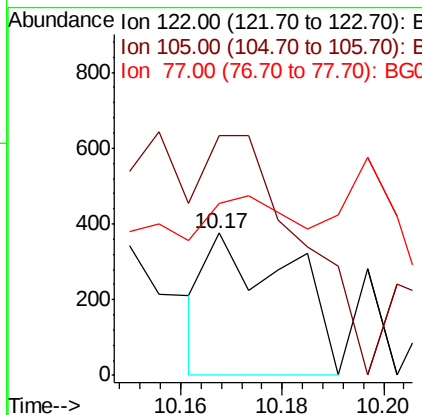
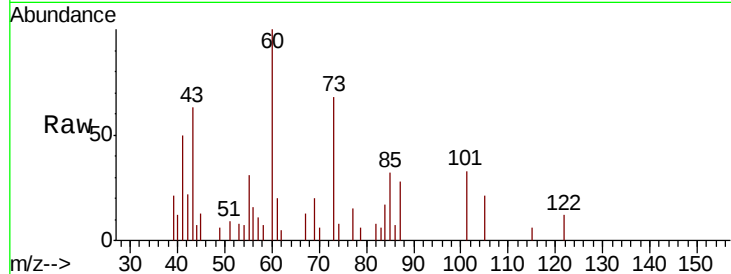




#32
Benzoic acid
Concen: 9.277 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

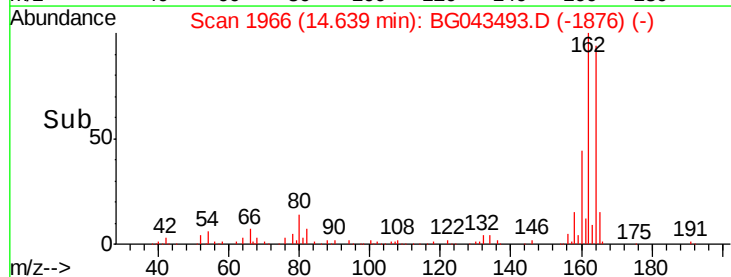
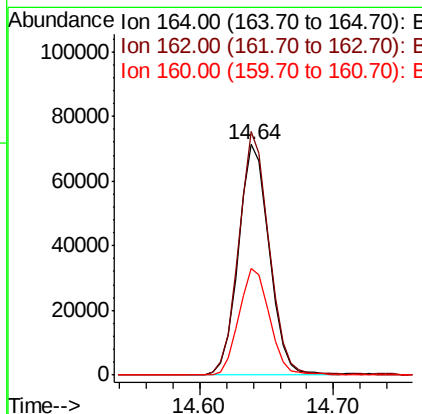
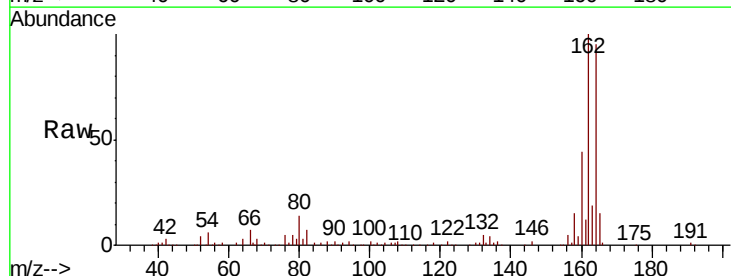
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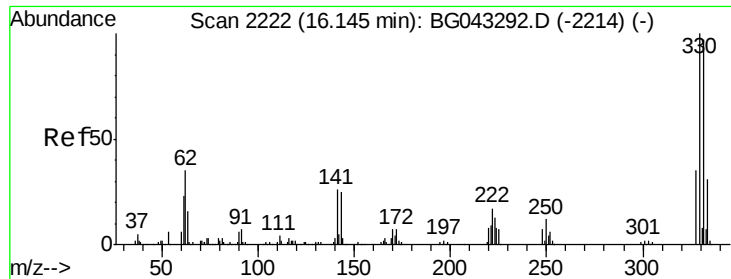
Tot Ion:122 Resp: 422
Ion Ratio Lower Upper
122 100
105 168.5 103.3 143.3#
77 120.8 84.9 124.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Tgt Ion:164 Resp: 113701
Ion Ratio Lower Upper
164 100
162 105.6 83.5 125.3
160 46.1 36.5 54.7

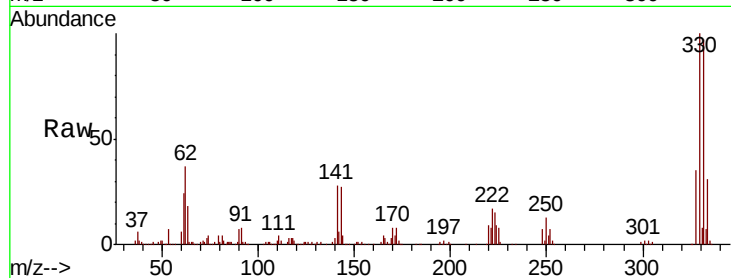




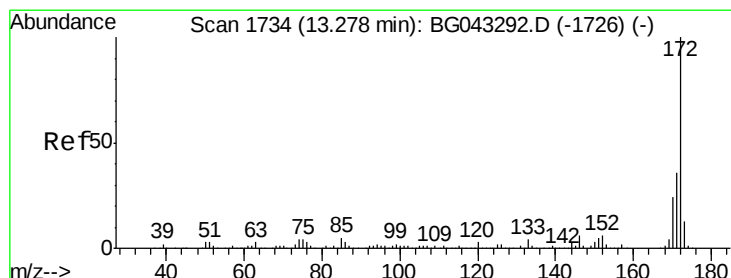
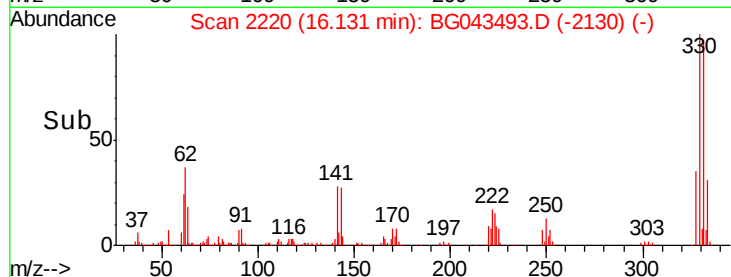
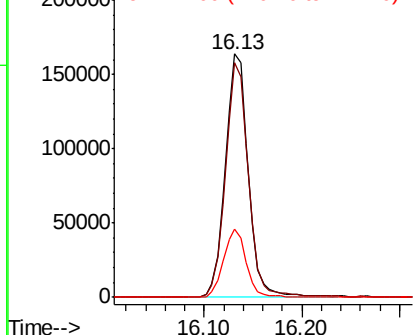
#42
 2,4,6-Tribromophenol
 Concen: 123.448 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043493.D
 Acq: 4 Nov 2019 22:58

Instrument :
 BNA_G
 ClientSampleId :
 20190941-AMENDED-COMPOSITE-

Tot Ion:330 Resp: 267109
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.0
 141 27.8 22.8 34.2

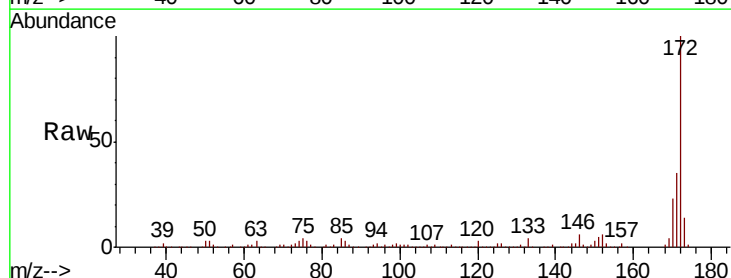


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

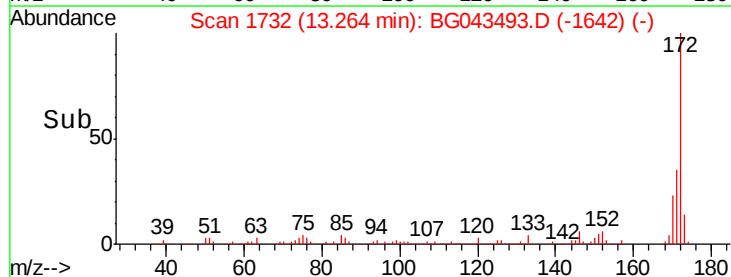
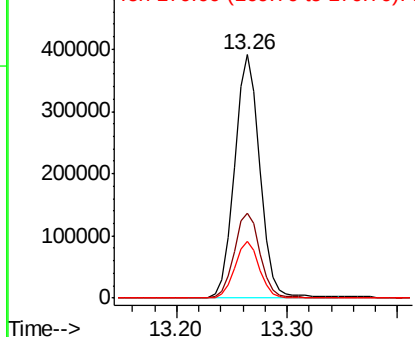


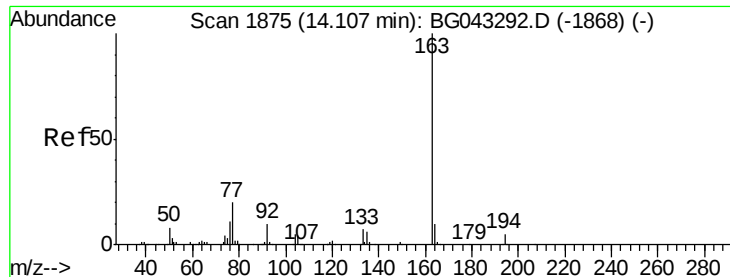
#45
 2-Fluorobiphenyl
 Concen: 76.643 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043493.D
 Acq: 4 Nov 2019 22:58

Tgt Ion:172 Resp: 630657
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 23.1 18.5 27.7



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

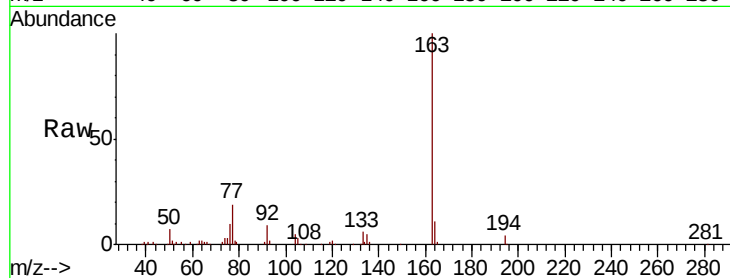




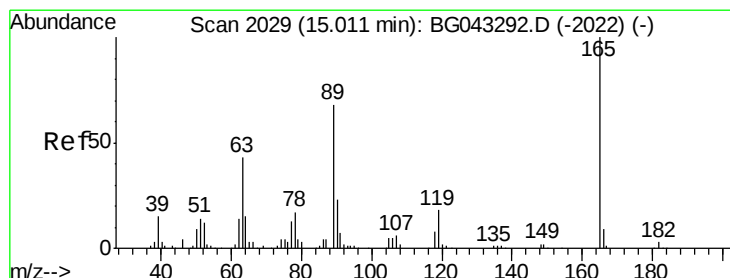
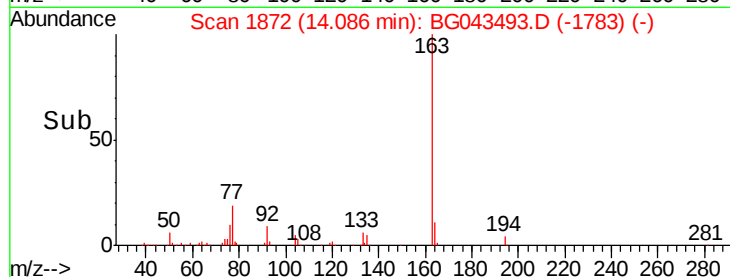
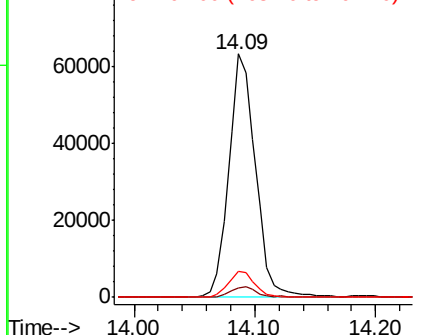
#50
Dimethylphthalate
Concen: 11.020 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Instrument :
BNA_G
ClientSampleId :
20190941-AMENDED-COMPOSITE-

Tot Ion:163 Resp: 97056
Ion Ratio Lower Upper
163 100
194 3.9 3.8 5.6
164 10.7 8.9 13.3

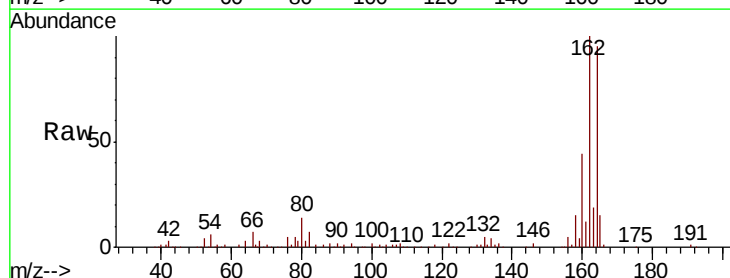


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

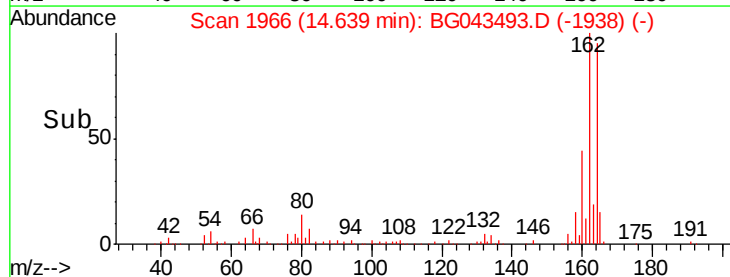
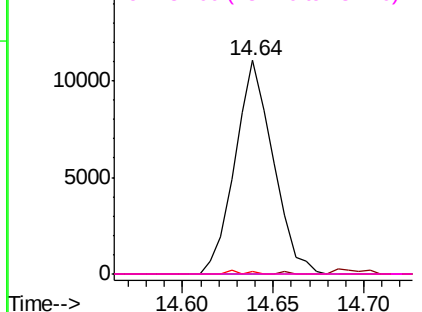


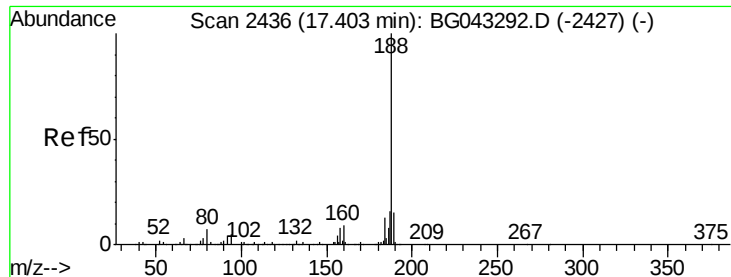
#57
2,4-Dinitrotoluene
Concen: 5.909 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.37 min
Lab File: BG043493.D
Acq: 4 Nov 2019 22:58

Tgt Ion:165 Resp: 16158
Ion Ratio Lower Upper
165 100
63 0.0 33.2 49.8#
89 1.5 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: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

Instrument :

BNA_G

ClientSampleId :

20190941-AMENDED-COMPOSITE-

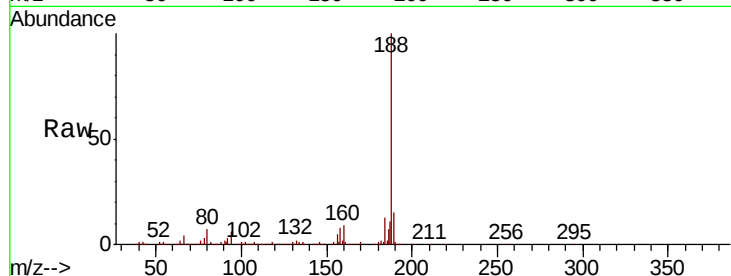
Tot Ion:188 Resp: 280515

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.4

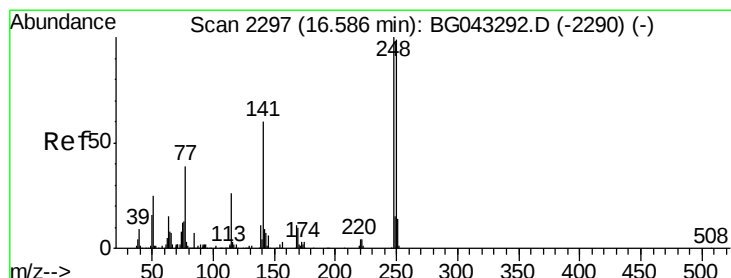
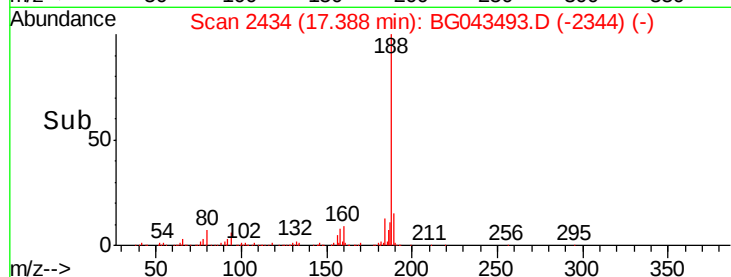
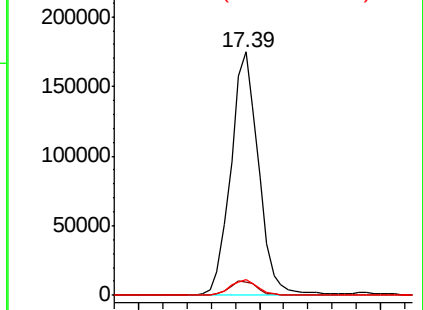
80 6.6 4.5 6.7



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: 4.658 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

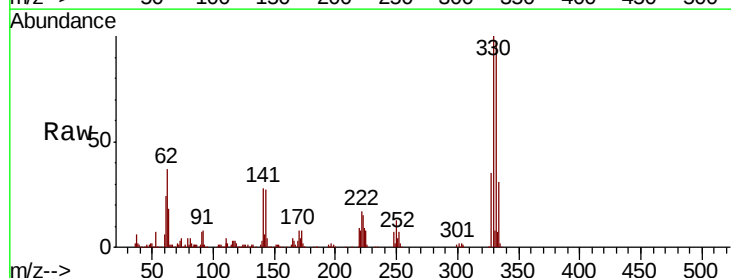
Tgt Ion:248 Resp: 17585

Ion Ratio Lower Upper

248 100

250 187.5 77.0 115.4#

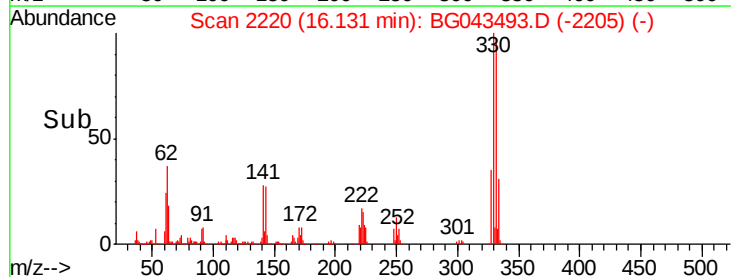
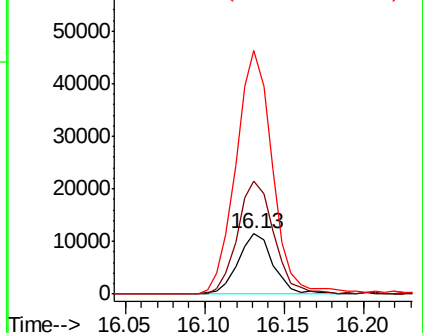
141 404.2 47.5 71.3#

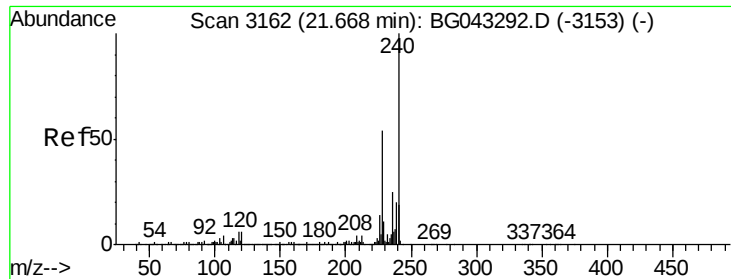


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

Instrument :

BNA_G

ClientSampleId :

20190941-AMENDED-COMPOSITE-

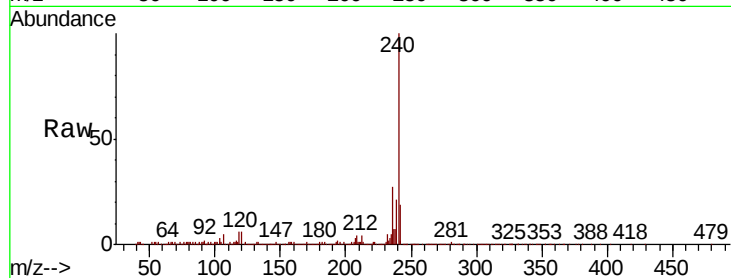
Tot Ion:240 Resp: 301018

Ion Ratio Lower Upper

240 100

120 6.4 4.6 6.8

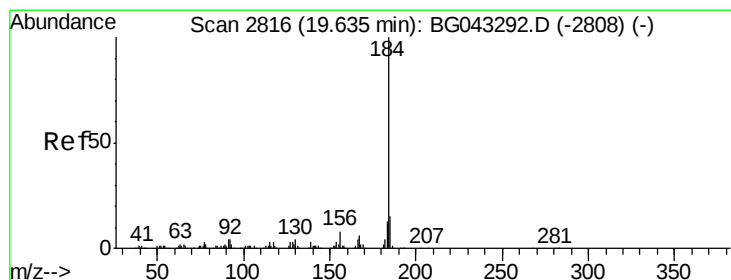
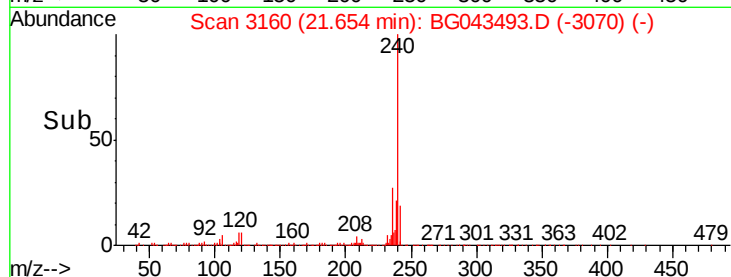
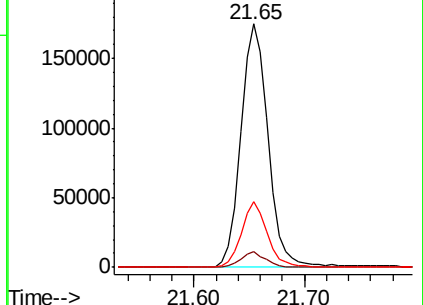
236 27.1 19.8 29.8



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: 3.365 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.38 min

Lab File: BG043493.D

Acq: 4 Nov 2019 22:58

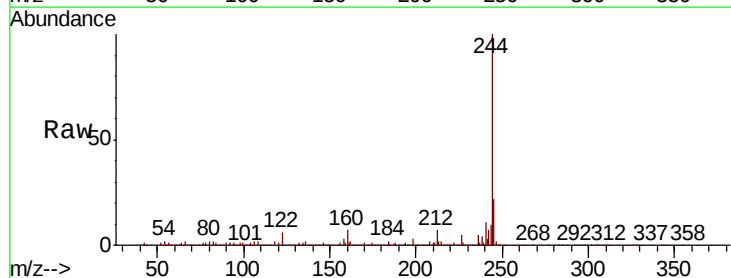
Tgt Ion:184 Resp: 20387

Ion Ratio Lower Upper

184 100

185 18.2 11.0 16.4#

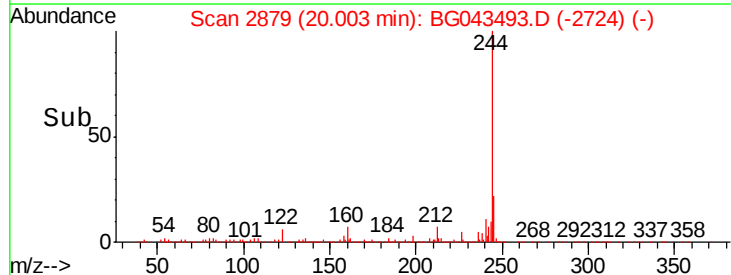
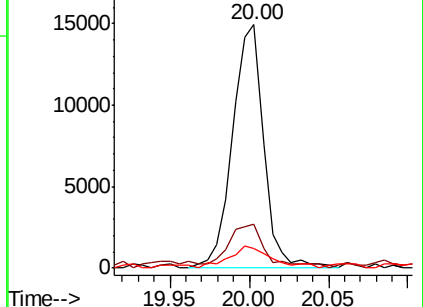
183 7.9 10.0 15.0#

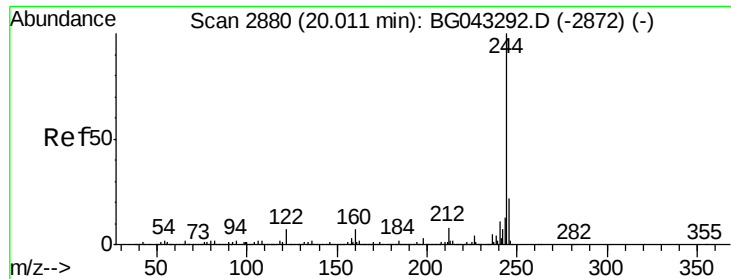


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

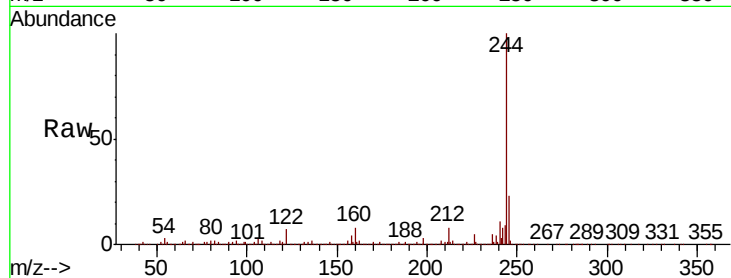




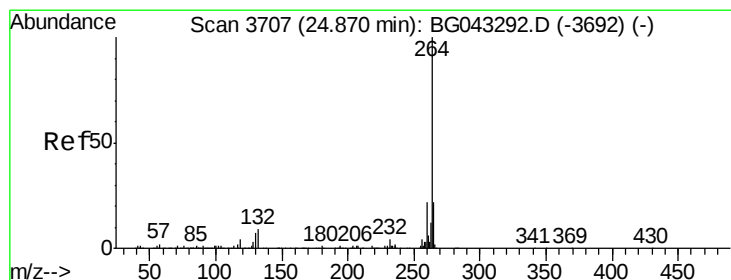
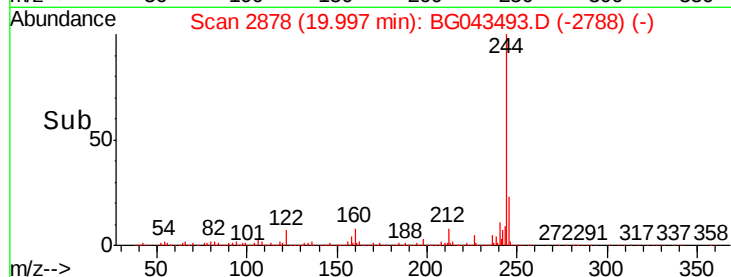
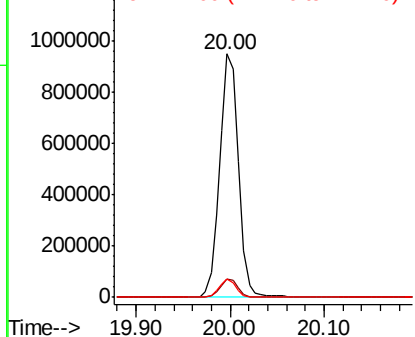
#79
 Terphenyl-d14
 Concen: 82.860 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG043493.D
 Acq: 4 Nov 2019 22:58

Instrument :
 BNA_G
 ClientSampleId :
 20190941-AMENDED-COMPOSITE-

Tot Ion:244 Resp: 1329505
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.6
 122 7.4 5.4 8.2

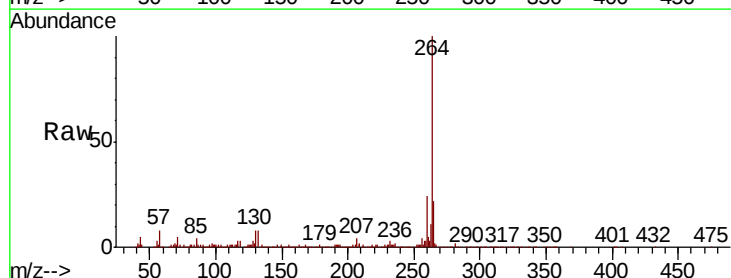


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043493.D
 Acq: 4 Nov 2019 22:58

Tgt Ion:264 Resp: 372474
 Ion Ratio Lower Upper
 264 100
 260 24.1 17.5 26.3
 265 21.5 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

