

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043472.D
 Acq On : 1 Nov 2019 19:14
 Operator : JU
 Sample : K5603-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190949-AMENDED-COMPOSITE-

Quant Time: Nov 22 05:36:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	40745	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	163859	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	123177	20.00	ng	0.02
64) Phenanthrene-d10	17.38	188	287576	20.00	ng	0.02
76) Chrysene-d12	21.65	240	305494	20.00	ng	0.02
87) Perylene-d12	24.84	264	365068	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	179653	80.80	ng	0.02
7) Phenol-d6	7.19	99	161489	50.48	ng	0.00
23) Nitrobenzene-d5	9.17	82	249677	78.56	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	287500	122.65	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	719854	80.75	ng	0.02
79) Terphenyl-d14	20.00	244	1410288	86.61	ng	0.02

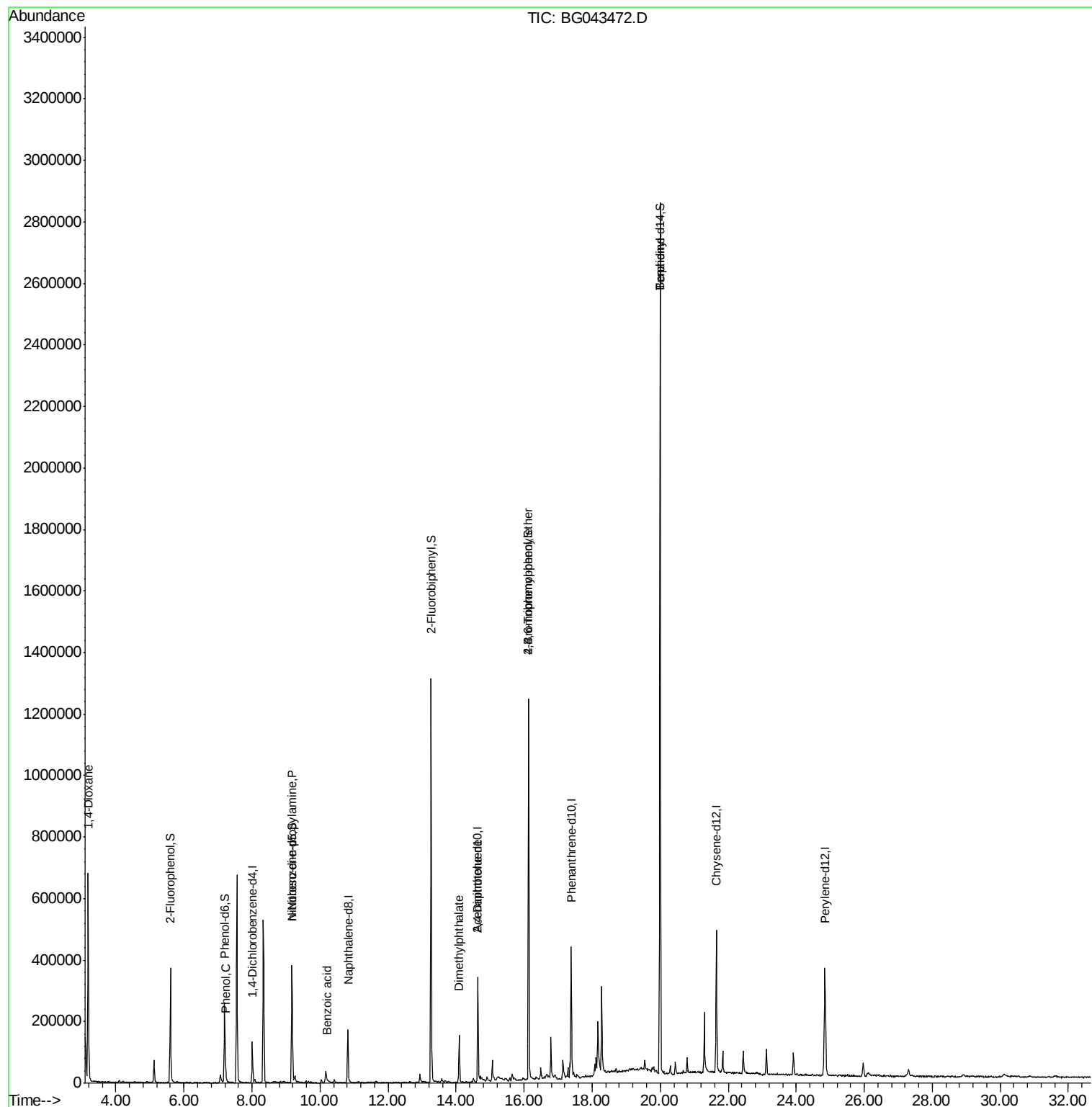
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	8114	9.364	ng	# 1
10) Phenol	7.22	94	15625	5.345	ng	95
19) n-Nitroso-di-n-propylamine	9.17	70	36223	17.523	ng	# 72
32) Benzoic acid	10.23	122	171	9.136	ng	# 1
50) Dimethylphthalate	14.09	163	106525	11.165	ng	99
57) 2,4-Dinitrotoluene	14.64	165	16644	5.619	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	18836	4.867	ng	# 1
77) Benzidine	20.00	184	21616	3.516	ng	99

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

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Response via : Initial Calibration



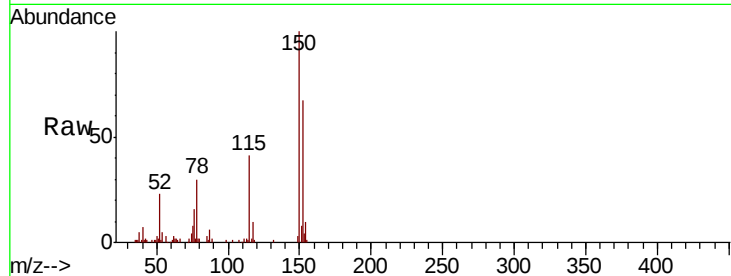


#1

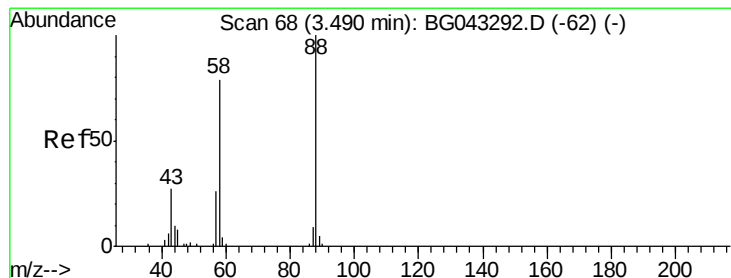
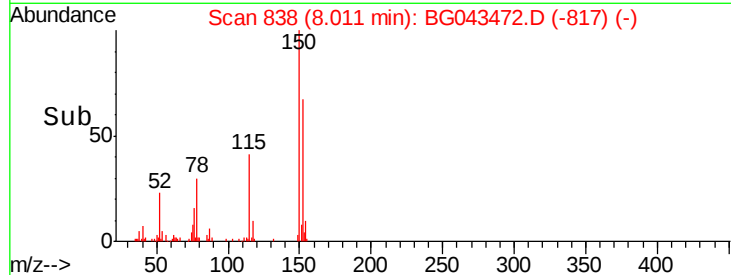
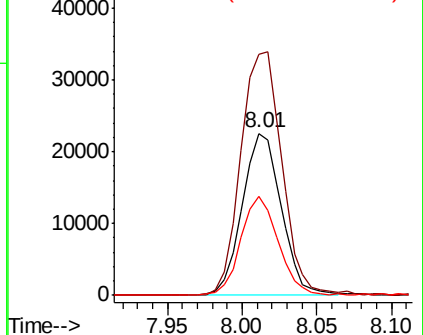
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Instrument :
BNA_G
ClientSampleId :
20190949-AMENDED-COMPOSITE-

Tot Ion:152 Resp: 40745
Ion Ratio Lower Upper
152 100
150 148.8 116.6 175.0
115 61.4 40.5 60.7#



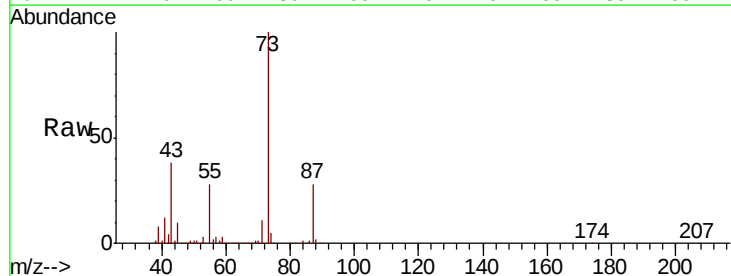
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



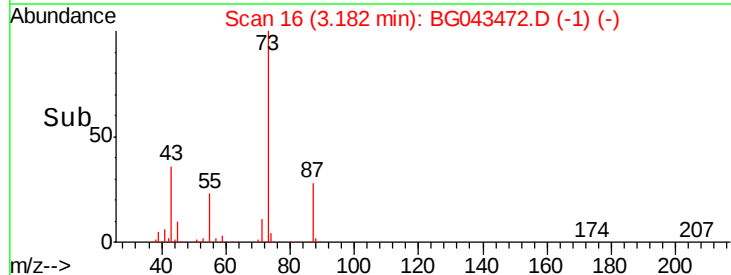
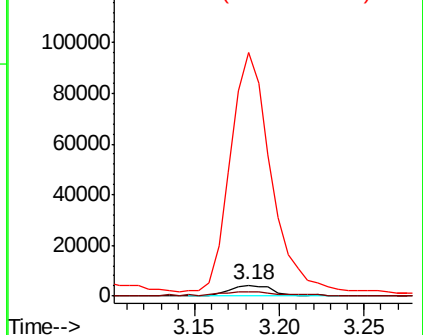
#2

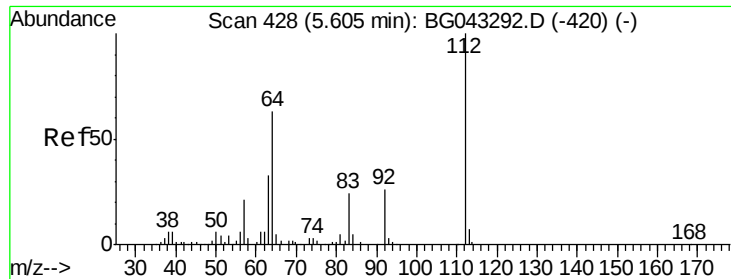
1,4-Dioxane
Concen: 9.364 ng
RT: 3.18 min Scan# 16
Delta R.T. -0.27 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Tgt Ion: 88 Resp: 8114
Ion Ratio Lower Upper
88 100
58 60.8 62.2 93.4#
43 2039.3 30.1 45.1#



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: 80.796 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.02 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

Instrument :

BNA_G

ClientSampleId :

20190949-AMENDED-COMPOSITE-

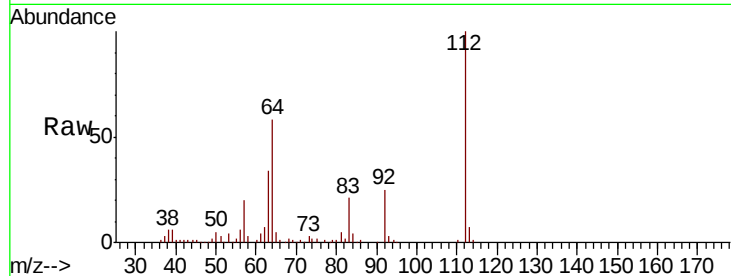
Tot Ion:112 Resp: 179653

Ion Ratio Lower Upper

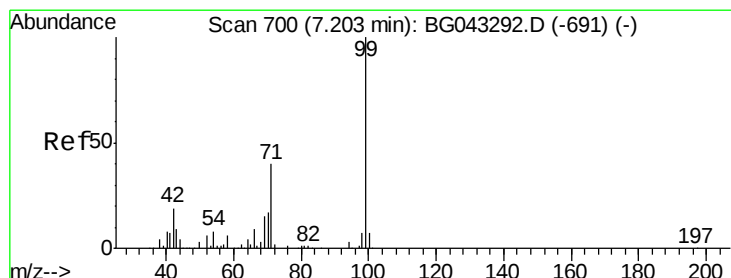
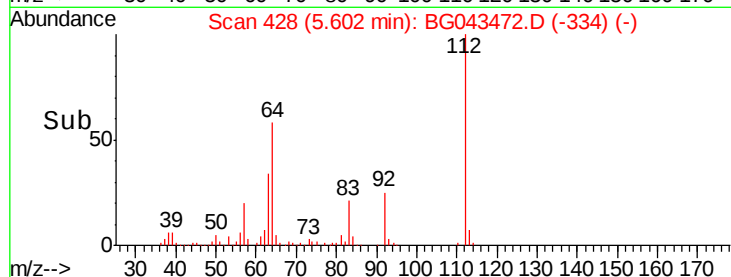
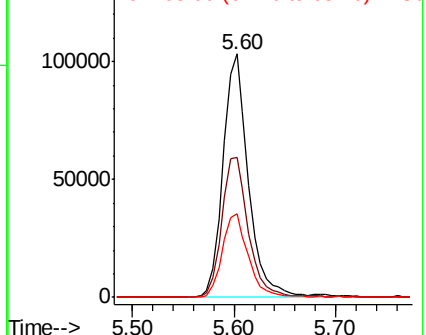
112 100

64 57.6 50.6 75.8

63 34.2 30.5 45.7



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: 50.479 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

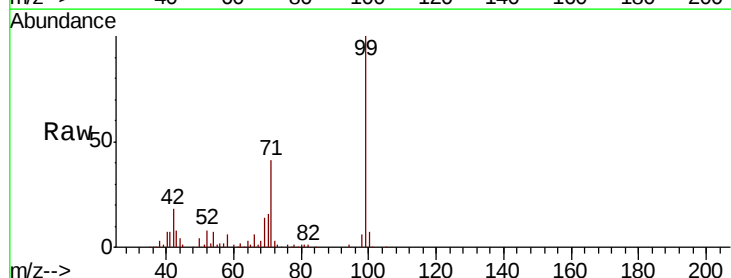
Tgt Ion: 99 Resp: 161489

Ion Ratio Lower Upper

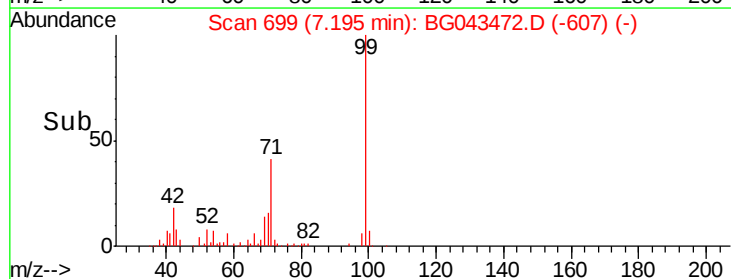
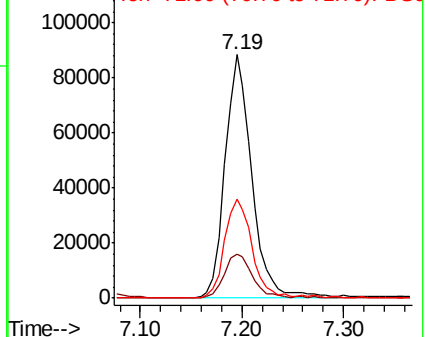
99 100

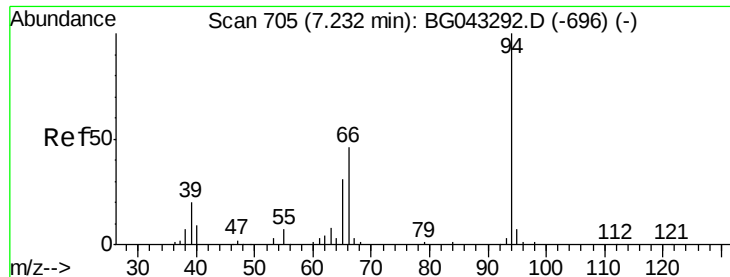
42 18.1 15.8 23.8

71 40.8 34.4 51.6



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: 5.345 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

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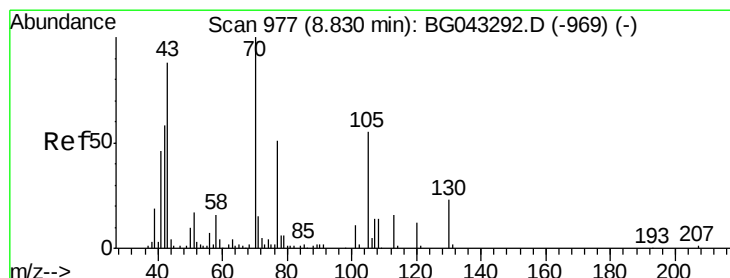
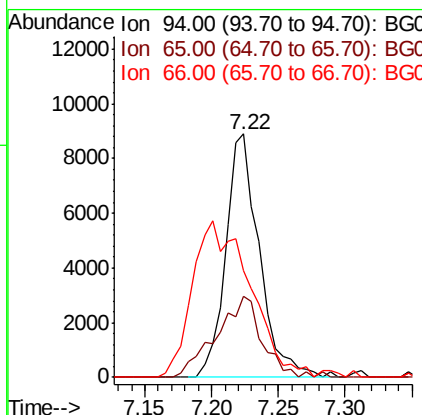
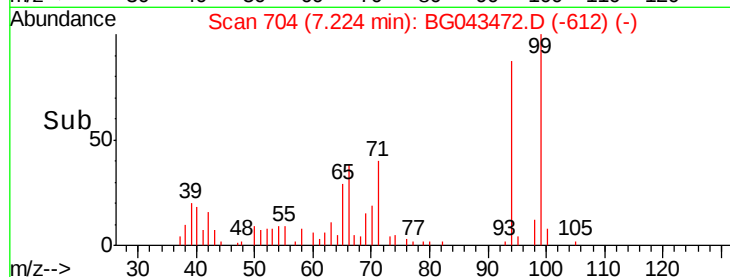
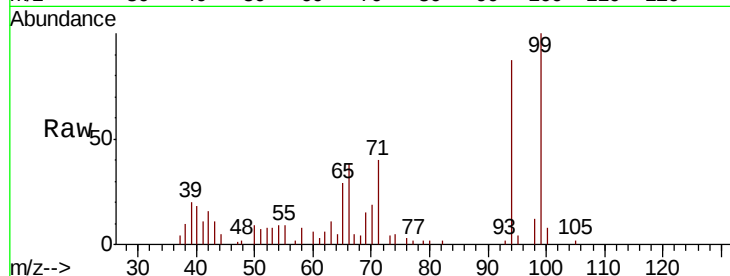
Tot Ion: 94 Resp: 15625

Ion Ratio Lower Upper

94 100

65 33.1 11.4 51.4

66 43.9 28.4 68.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.523 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

Tgt Ion: 70 Resp: 36223

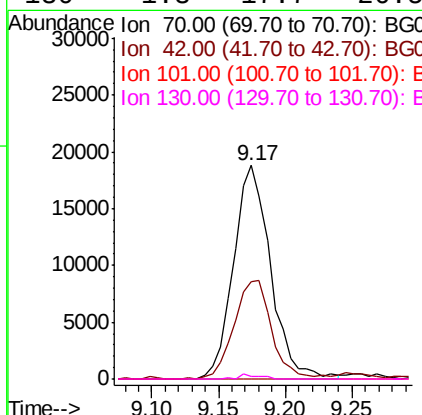
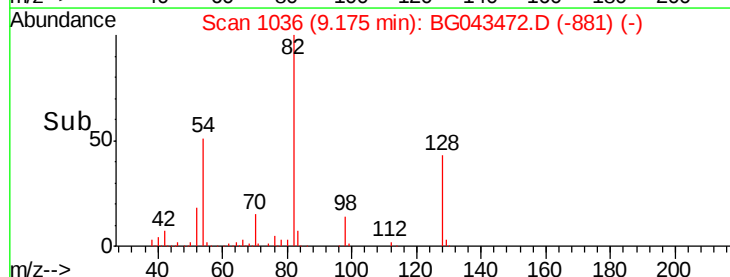
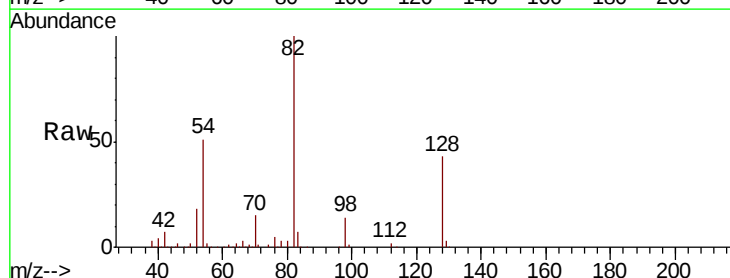
Ion Ratio Lower Upper

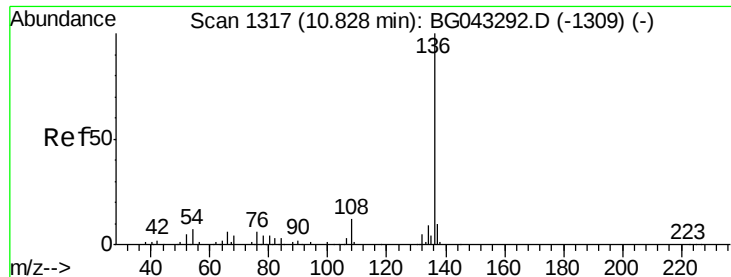
70 100

42 45.4 49.7 74.5#

101 0.0 9.7 14.5#

130 1.3 17.7 26.5#

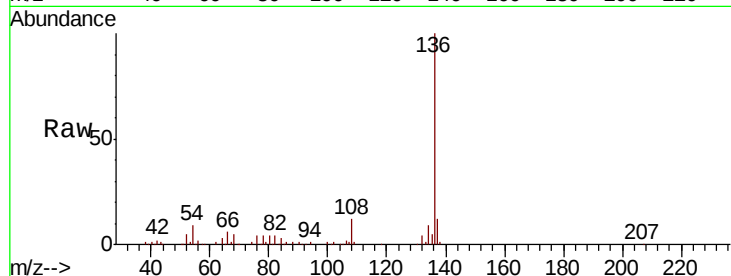




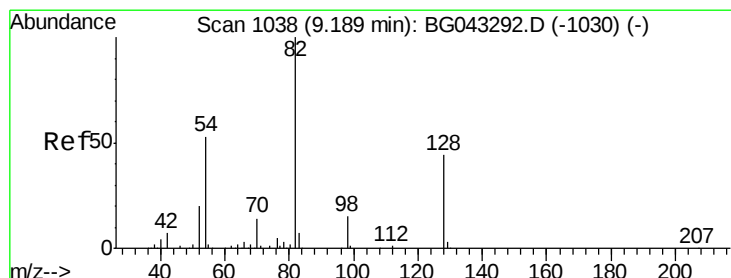
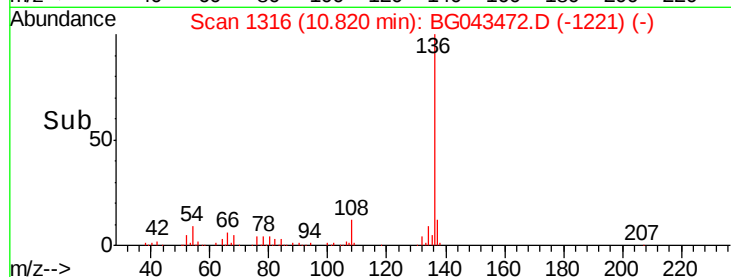
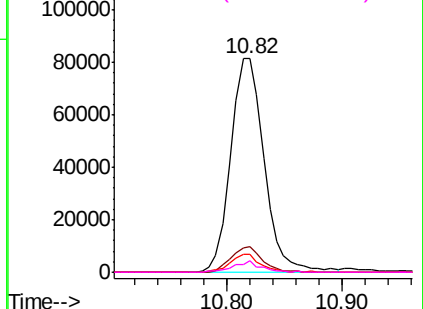
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

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Tot Ion:136	Resp:	163859
Ion	Ratio	Lower Upper
136	100	
137	11.8	8.8 13.2
54	8.6	6.2 9.2
68	5.4	3.4 5.0

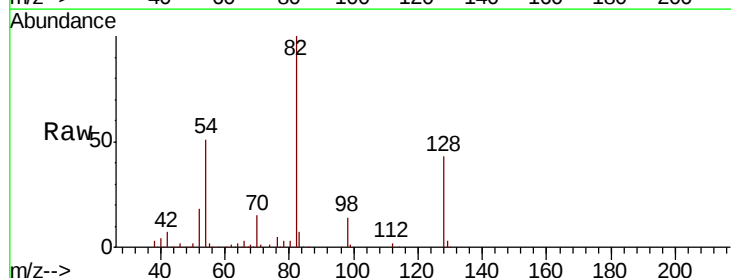


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

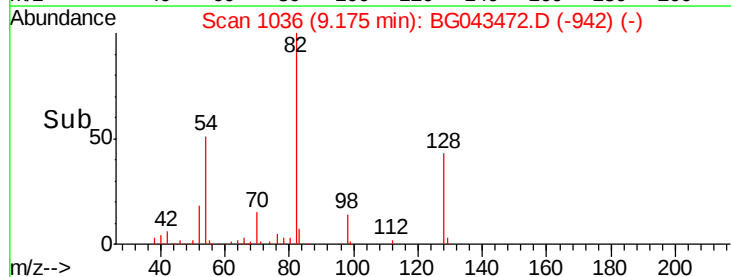
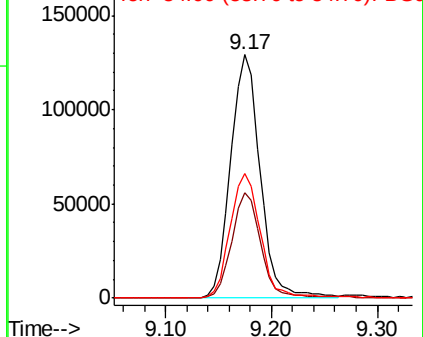


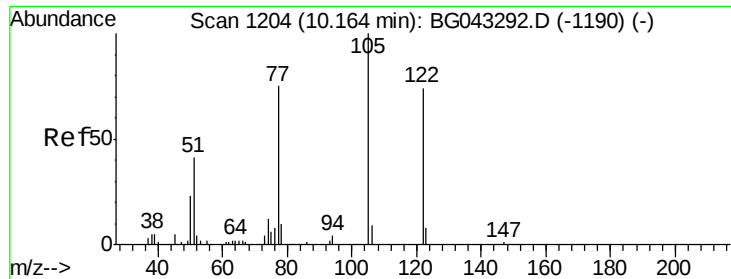
#23
Nitrobenzene-d5
Concen: 78.555 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Tgt Ion: 82	Resp:	249677
Ion	Ratio	Lower Upper
82	100	
128	43.2	34.2 51.4
54	51.4	44.7 67.1



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

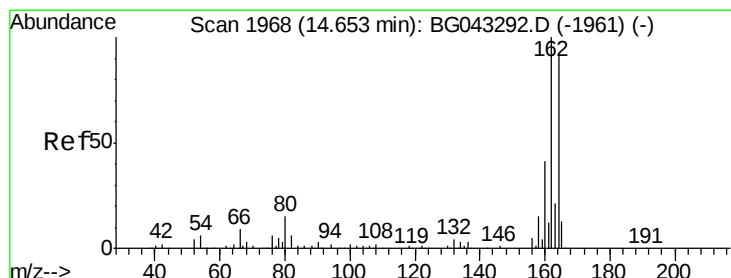
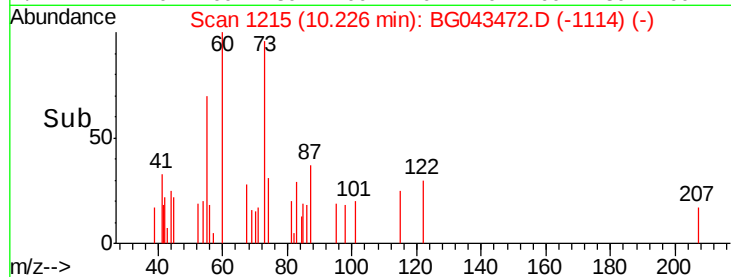
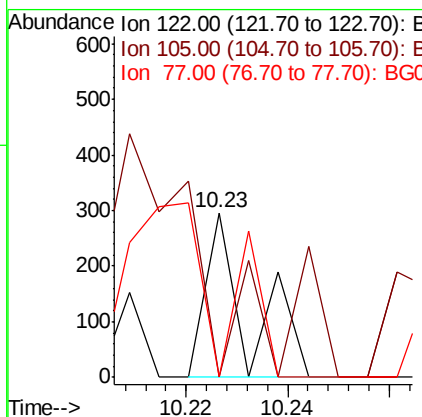
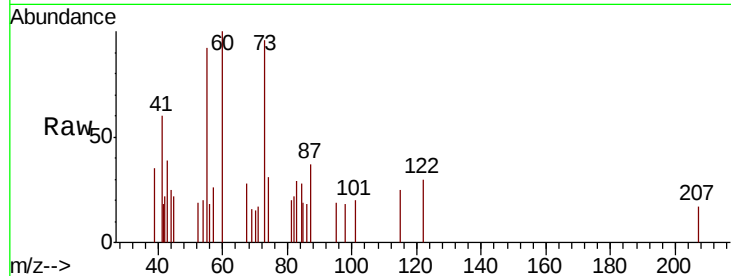




#32
Benzoic acid
Concen: 9.136 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.06 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

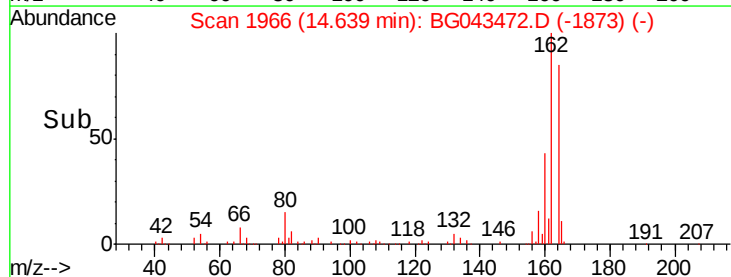
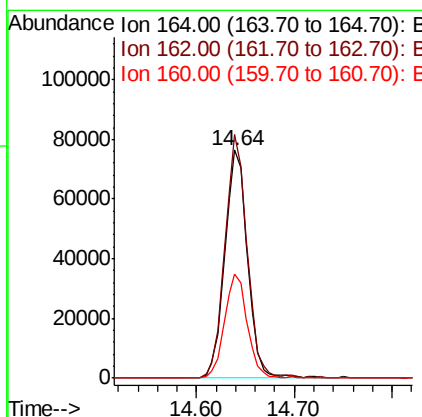
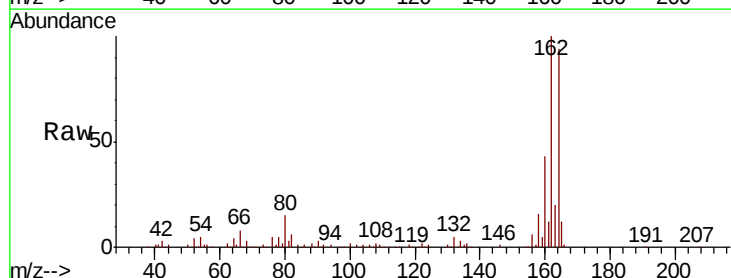
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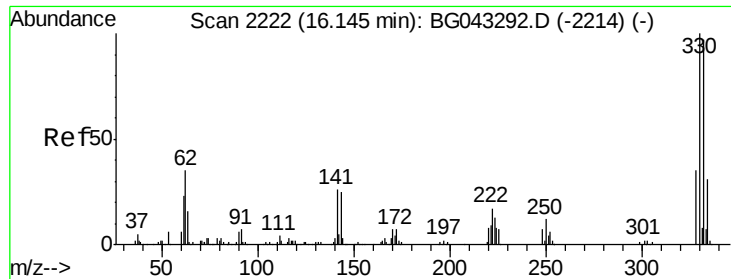
Tot Ion:122 Resp: 171
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 86.8 126.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Tgt Ion:164 Resp: 123177
Ion Ratio Lower Upper
164 100
162 106.9 79.4 119.2
160 45.9 36.3 54.5

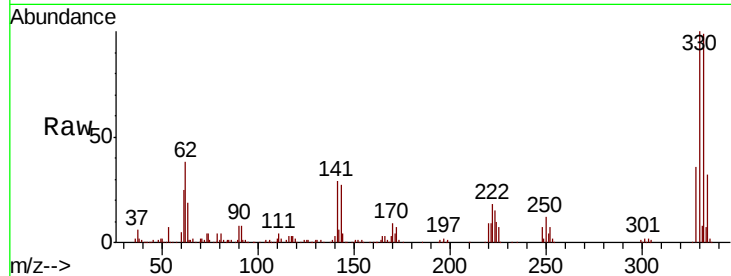




#42
 2,4,6-Tribromophenol
 Concen: 122.650 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.02 min
 Lab File: BG043472.D
 Acq: 1 Nov 2019 19:14

Instrument :
 BNA_G
 ClientSampleId :
 20190949-AMENDED-COMPOSITE-

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	28.1	23.4	35.2

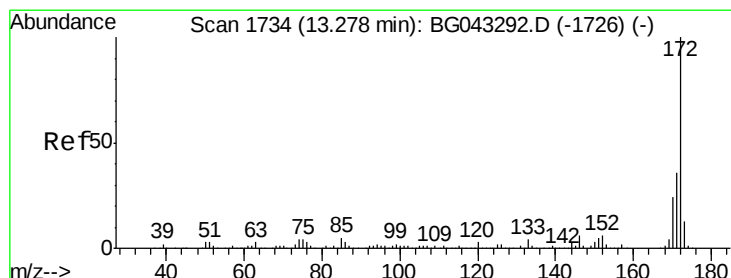
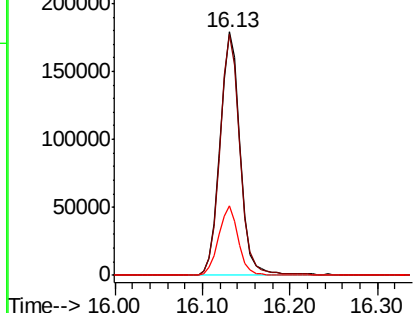
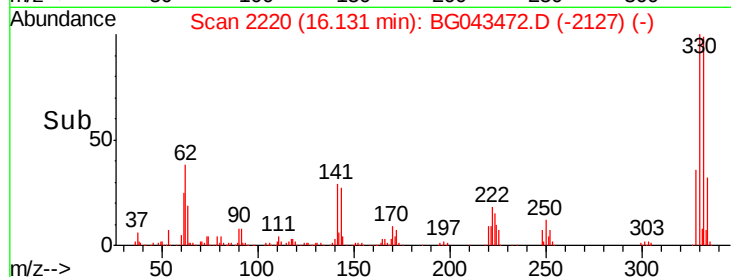


Abundance

Ion 329.80 (329.50 to 330.50): E

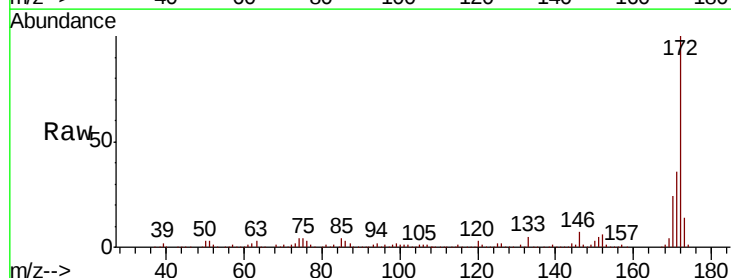
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.753 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. 0.02 min
 Lab File: BG043472.D
 Acq: 1 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.1	42.1
170	24.1	18.8	28.2

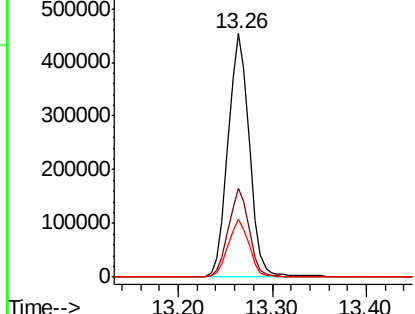
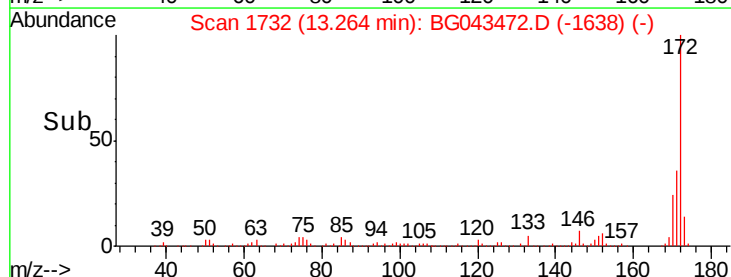


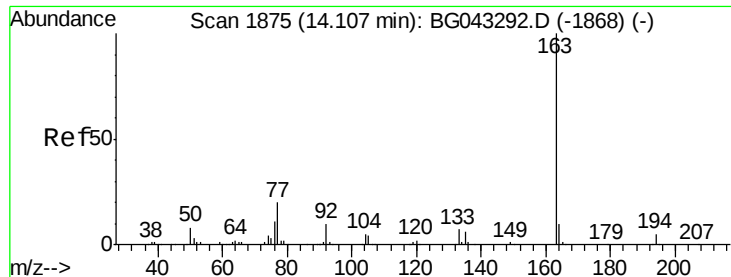
Abundance

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

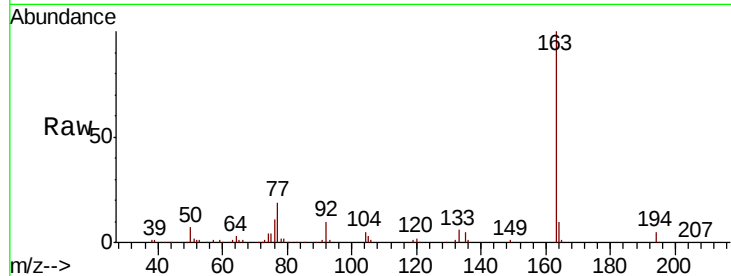




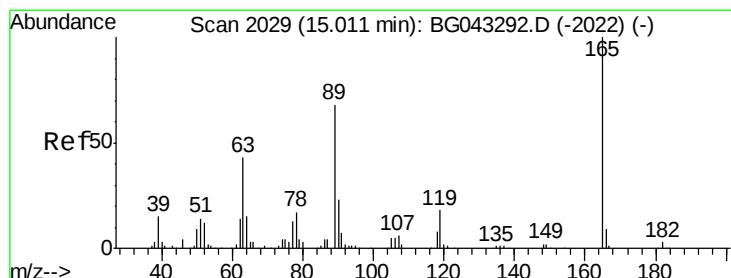
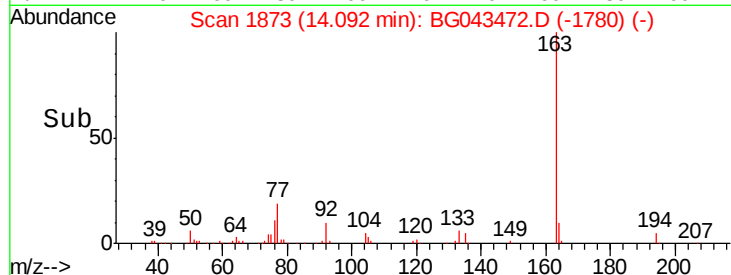
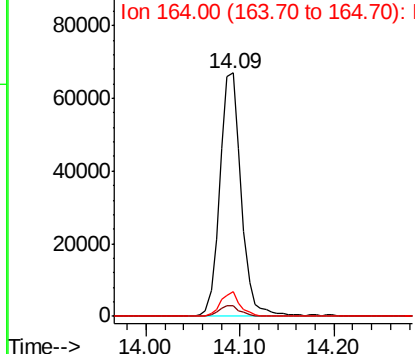
#50
Dimethylphthalate
Concen: 11.165 ng
RT: 14.09 min Scan# 1873
Delta R.T. 0.02 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Instrument :
BNA_G
ClientSampleId :
20190949-AMENDED-COMPOSITE-

Tot Ion:163 Resp: 106525
Ion Ratio Lower Upper
163 100
194 4.6 3.8 5.8
164 10.0 8.5 12.7

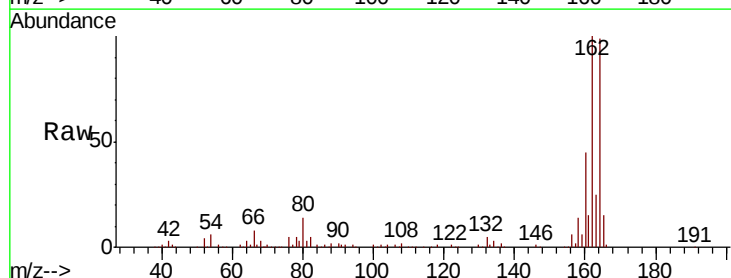


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

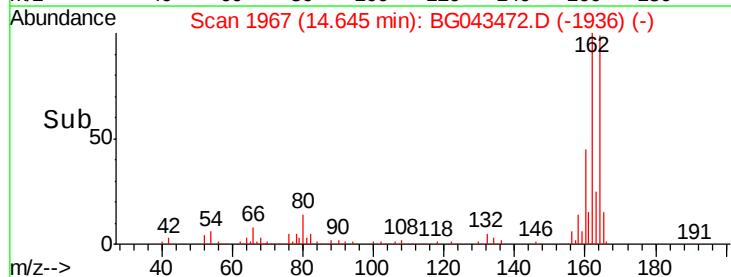
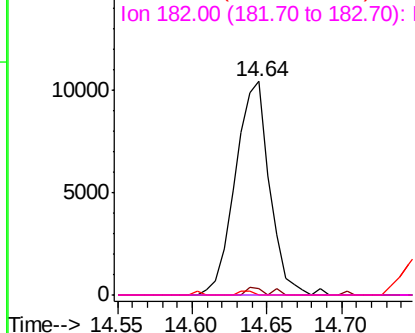


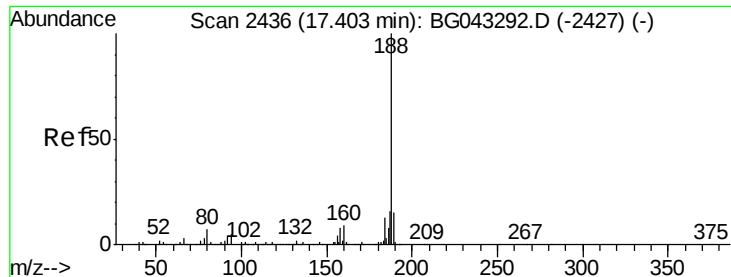
#57
2,4-Dinitrotoluene
Concen: 5.619 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.35 min
Lab File: BG043472.D
Acq: 1 Nov 2019 19:14

Tgt Ion:165 Resp: 16644
Ion Ratio Lower Upper
165 100
63 2.8 37.4 56.0#
89 0.0 50.9 76.3#
182 0.0 2.3 3.5#



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: 17.38 min Scan# 2433

Delta R.T. 0.02 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

Instrument :

BNA_G

ClientSampleId :

20190949-AMENDED-COMPOSITE-

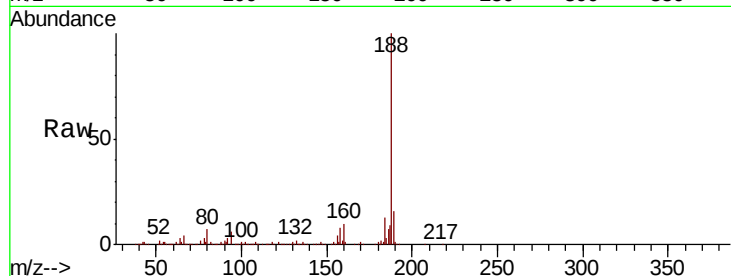
Tot Ion:188 Resp: 287576

Ion Ratio Lower Upper

188 100

94 5.7 4.6 7.0

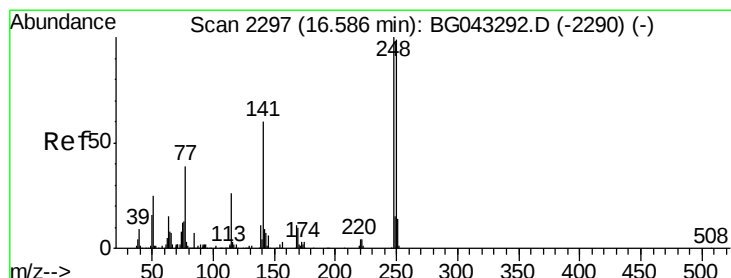
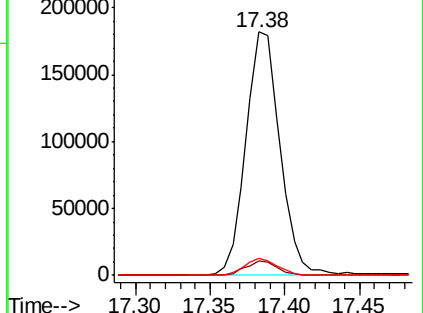
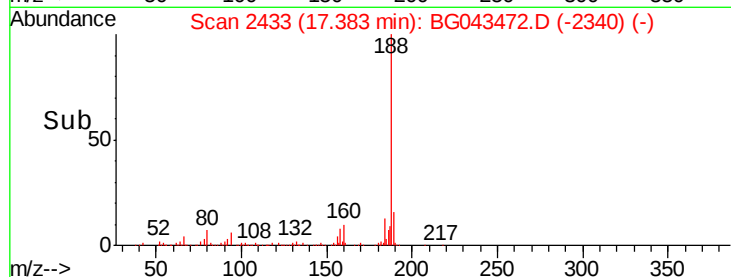
80 6.8 5.2 7.8



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: 4.867 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.43 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

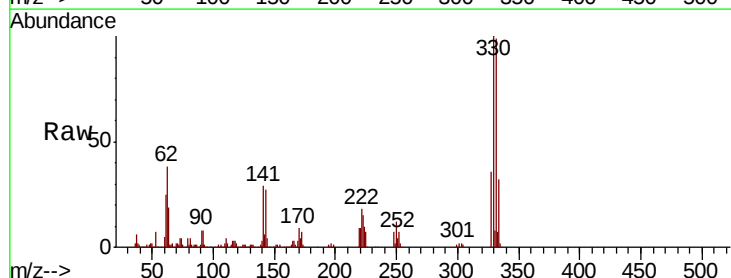
Tgt Ion:248 Resp: 18836

Ion Ratio Lower Upper

248 100

250 179.6 76.3 114.5#

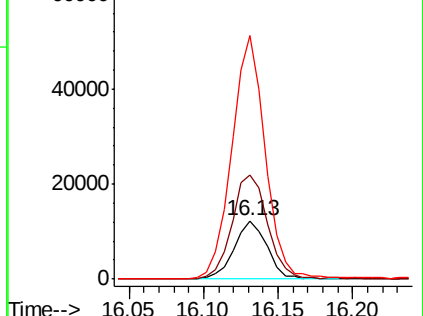
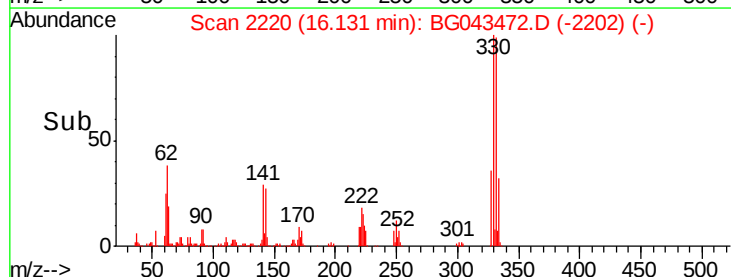
141 419.4 49.5 74.3#

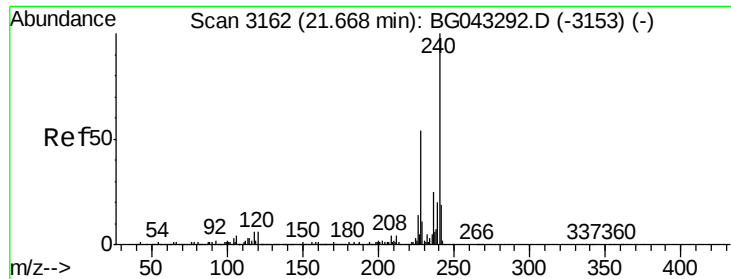


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3159

Delta R.T. 0.02 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

Instrument :

BNA_G

ClientSampleId :

20190949-AMENDED-COMPOSITE-

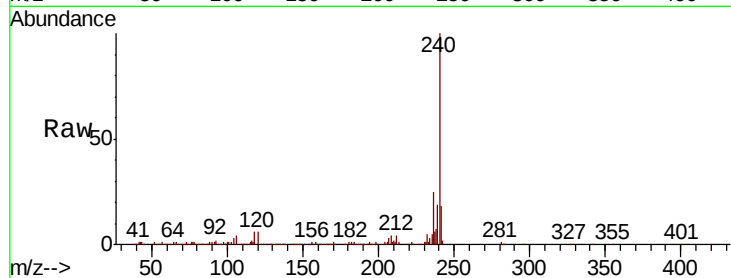
Tot Ion:240 Resp: 305494

Ion Ratio Lower Upper

240 100

120 5.9 4.9 7.3

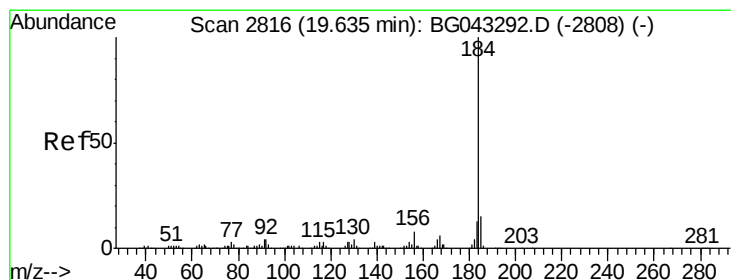
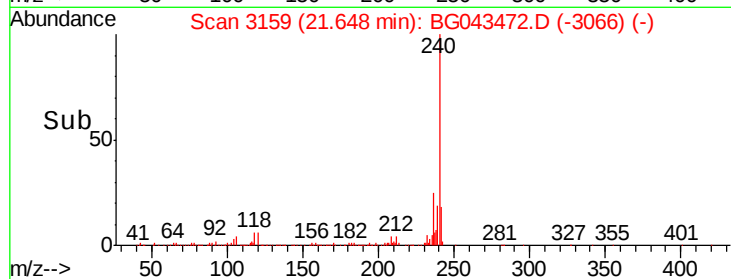
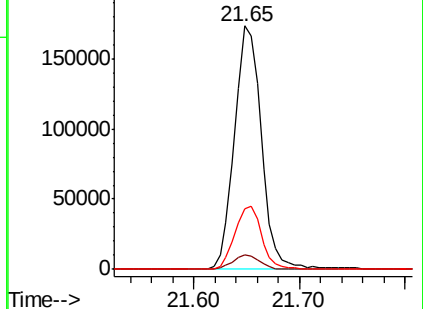
236 25.0 21.4 32.0



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: 3.516 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

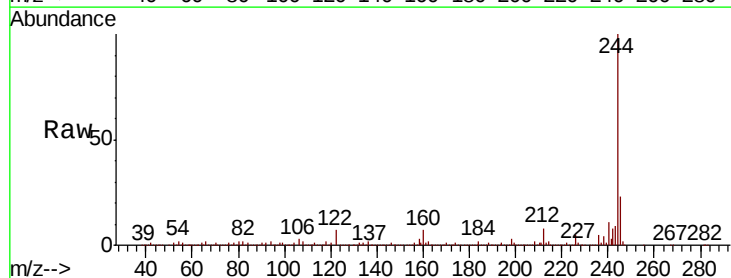
Tgt Ion:184 Resp: 21616

Ion Ratio Lower Upper

184 100

185 16.4 12.7 19.1

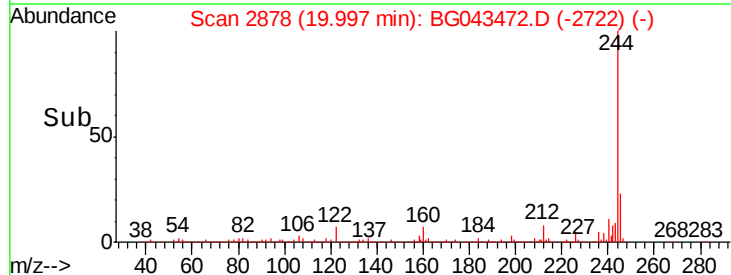
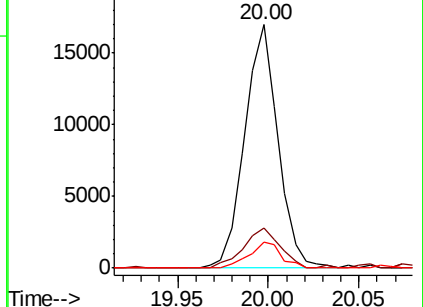
183 10.7 8.8 13.2

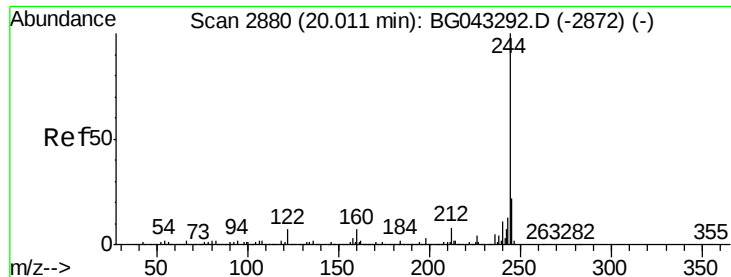


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.607 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

Instrument :

BNA_G

ClientSampleId :

20190949-AMENDED-COMPOSITE-

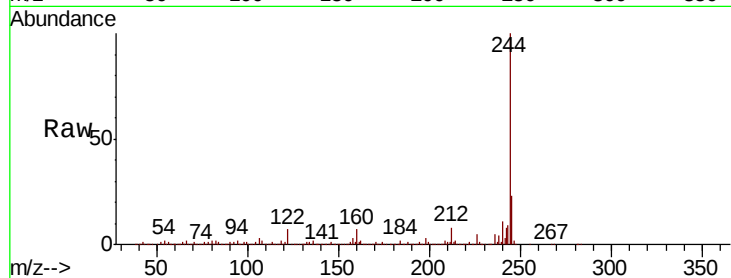
Tot Ion:244 Resp: 1410288

Ion Ratio Lower Upper

244 100

212 7.7 5.6 8.4

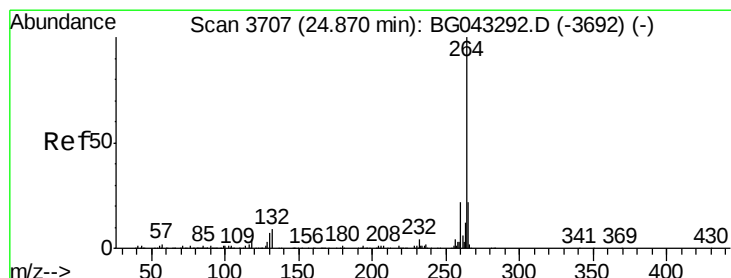
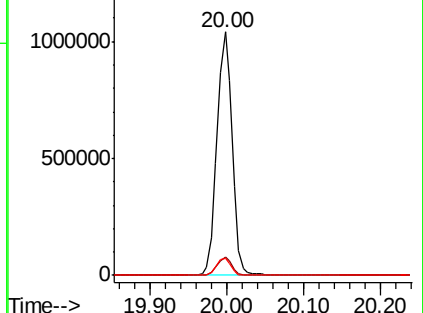
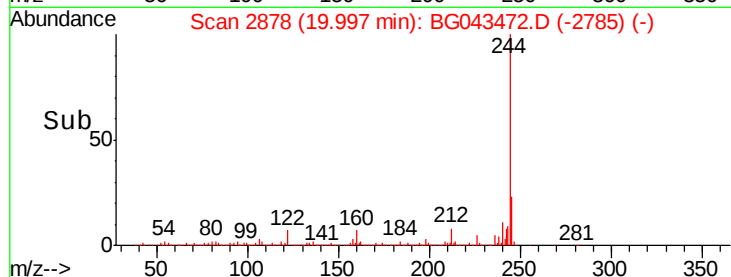
122 7.0 5.2 7.8



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: 24.84 min Scan# 3703

Delta R.T. 0.03 min

Lab File: BG043472.D

Acq: 1 Nov 2019 19:14

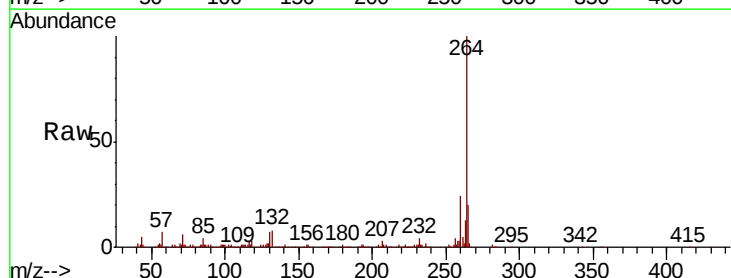
Tgt Ion:264 Resp: 365068

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 19.7 15.8 23.8



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

