

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043470.D
 Acq On : 1 Nov 2019 17:57
 Operator : JU
 Sample : K5602-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190938-COMPOSITE-A

Quant Time: Nov 22 05:36:33 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

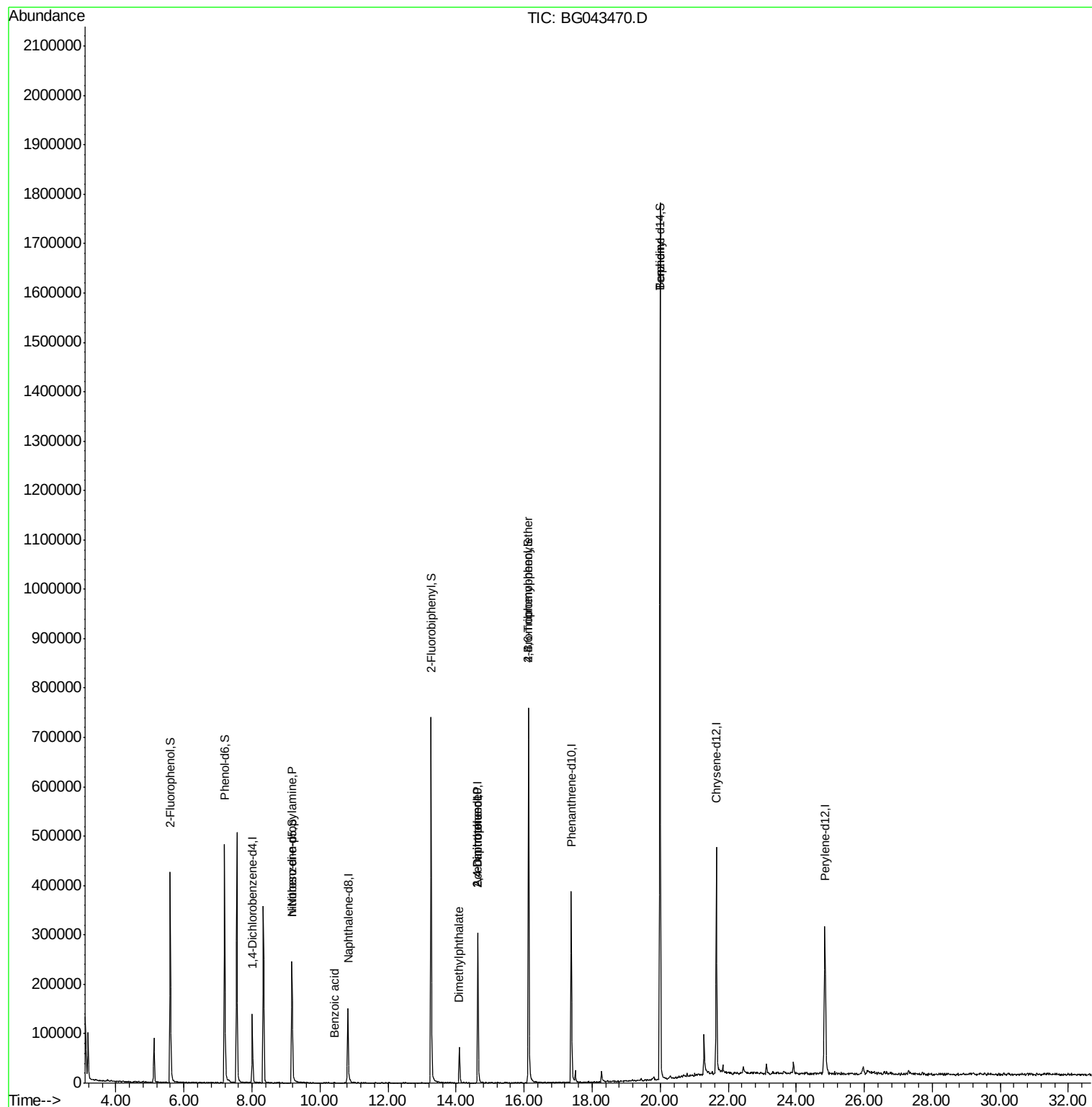
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	41613	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	153263	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	118830	20.00	ng	0.02
64) Phenanthrene-d10	17.39	188	288717	20.00	ng	0.02
76) Chrysene-d12	21.65	240	308259	20.00	ng	0.02
87) Perylene-d12	24.84	264	371247	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	213264	93.91	ng	0.02
7) Phenol-d6	7.19	99	304136	93.09	ng	0.00
23) Nitrobenzene-d5	9.17	82	175805	59.14	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	188612	83.41	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	461072	53.62	ng	0.02
79) Terphenyl-d14	20.00	244	959174	58.38	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	23672	11.212	ng	# 70
32) Benzoic acid	10.43	122	55	9.079	ng	# 1
50) Dimethylphthalate	14.09	163	65142	7.077	ng	# 95
54) 2,4-Dinitrophenol	14.64	184	70	7.334	ng	# 1
57) 2,4-Dinitrotoluene	14.64	165	15743	5.509	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	12214	3.143	ng	# 1
77) Benzidine	20.00	184	13722	2.212	ng	# 92

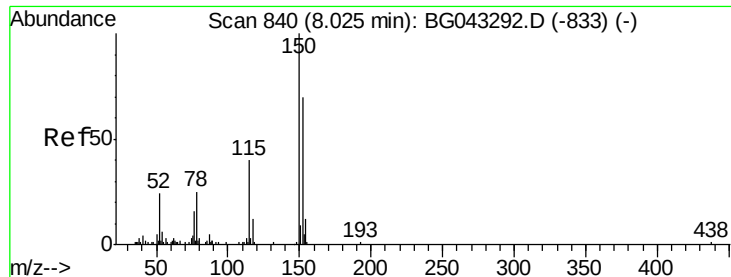
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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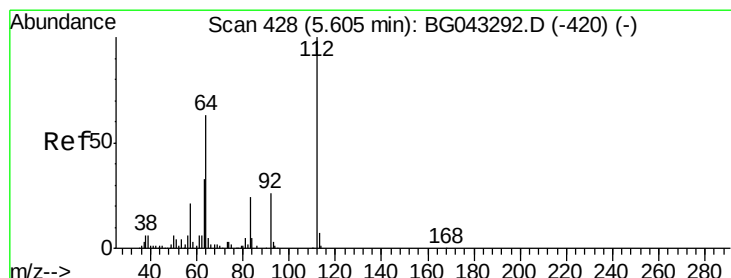
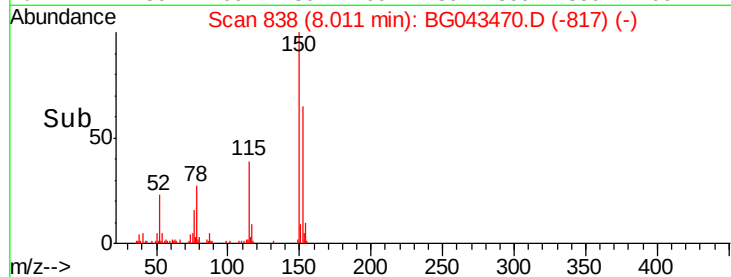
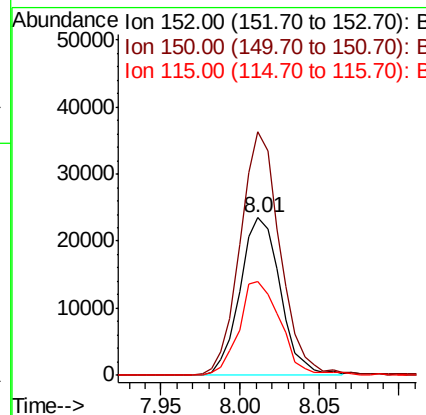
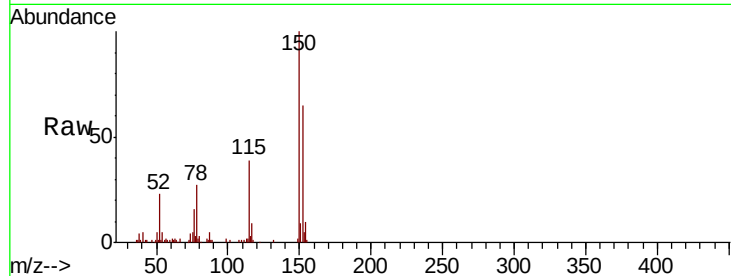


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Instrument :
BNA_G
ClientSampleId :
20190938-COMPOSITE-A

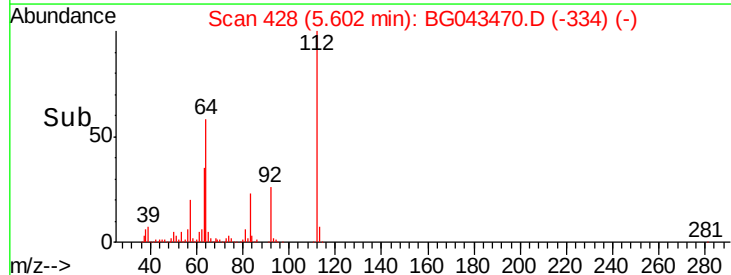
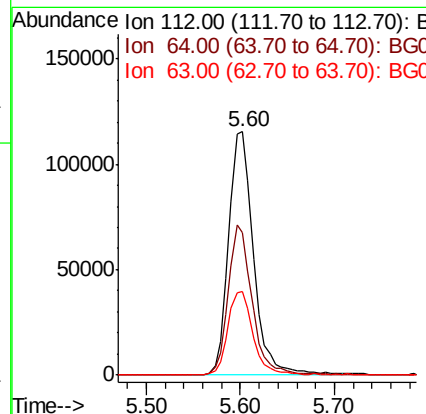
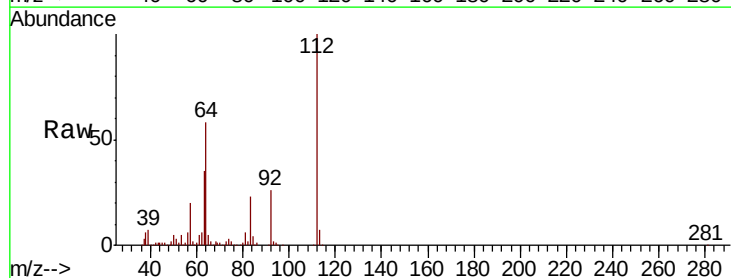
Tot Ion:152 Resp: 41613
Ion Ratio Lower Upper
152 100
150 154.7 116.6 175.0
115 59.7 40.5 60.7

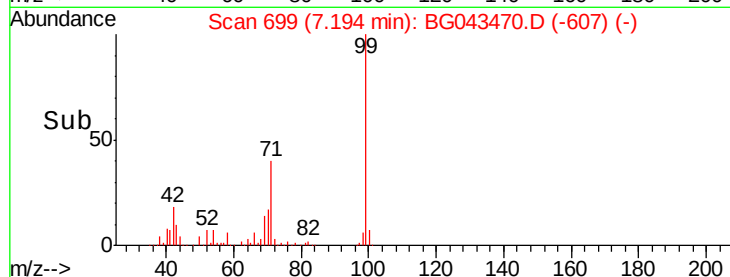
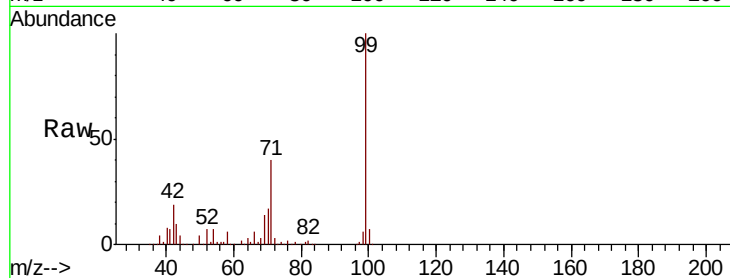
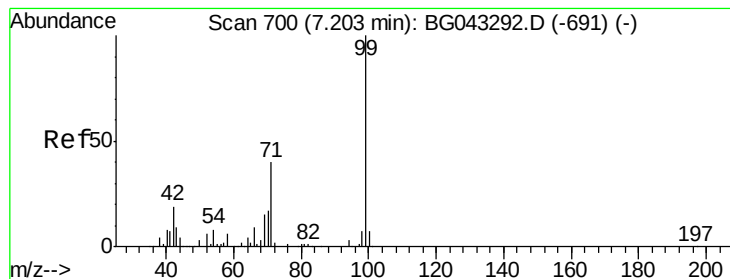


#5

2-Fluorophenol
Concen: 93.912 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Tgt Ion:112 Resp: 213264
Ion Ratio Lower Upper
112 100
64 58.5 50.6 75.8
63 34.5 30.5 45.7





#7

Phenol-d6

Concen: 93.085 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

Instrument :

BNA_G

ClientSampleId :

20190938-COMPOSITE-A

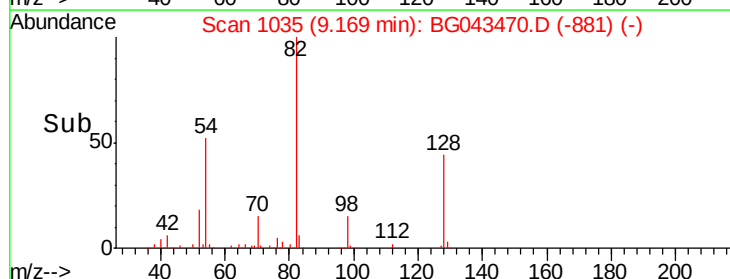
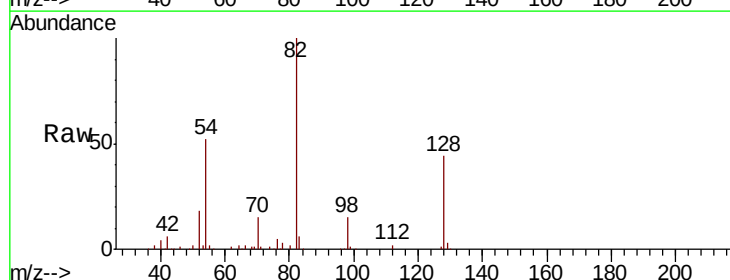
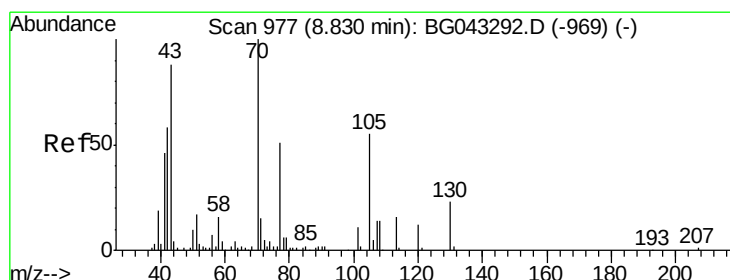
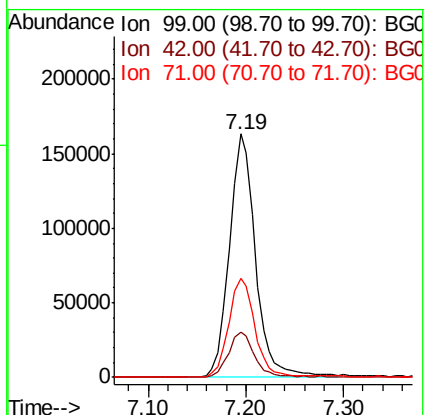
Tot Ion: 99 Resp: 304136

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.8

71 40.5 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.212 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.37 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

Tgt Ion: 70 Resp: 23672

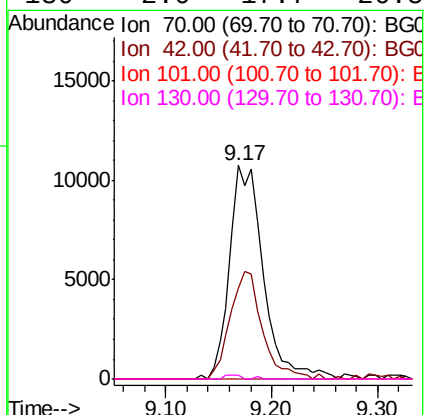
Ion Ratio Lower Upper

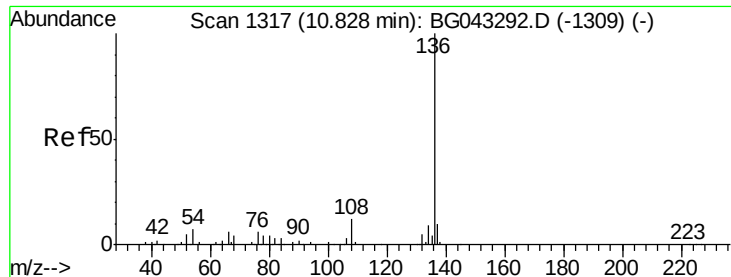
70 100

42 42.5 49.7 74.5#

101 0.0 9.7 14.5#

130 2.0 17.7 26.5#

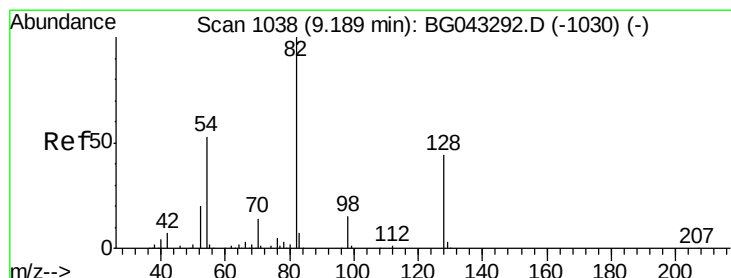
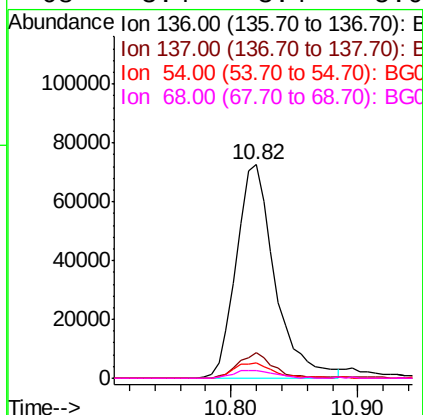
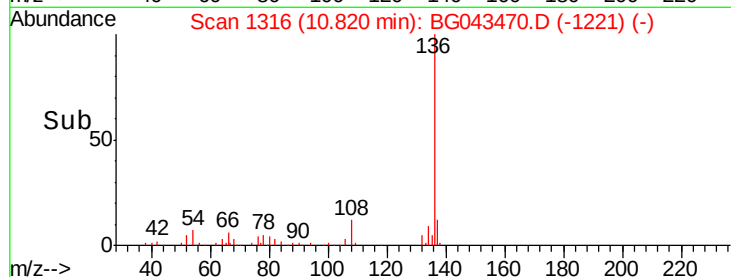
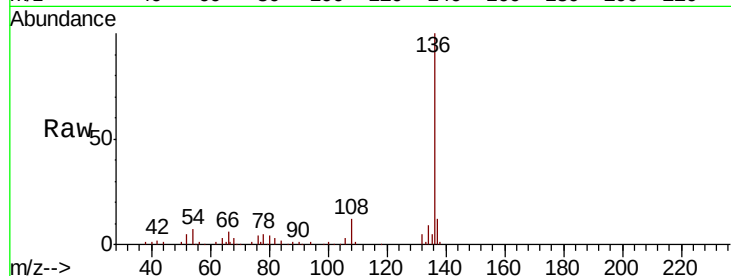




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

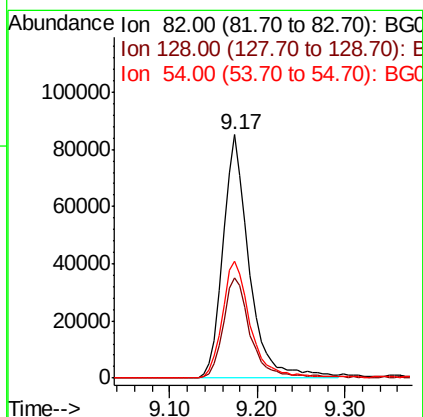
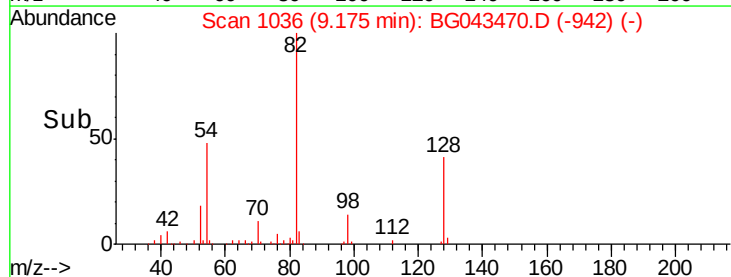
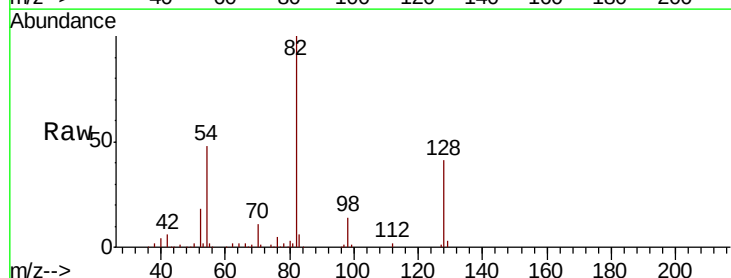
Instrument :
BNA_G
ClientSampleId :
20190938-COMPOSITE-A

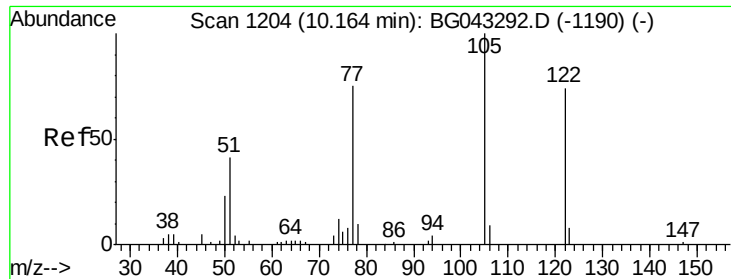
Tot Ion:136	Resp:	153263
Ion Ratio	Lower	Upper
136 100		
137 11.7	8.8	13.2
54 7.0	6.2	9.2
68 3.4	3.4	5.0



#23
Nitrobenzene-d5
Concen: 59.137 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Tgt	Ion: 82	Resp:	175805
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.2	51.4
54	48.2	44.7	67.1

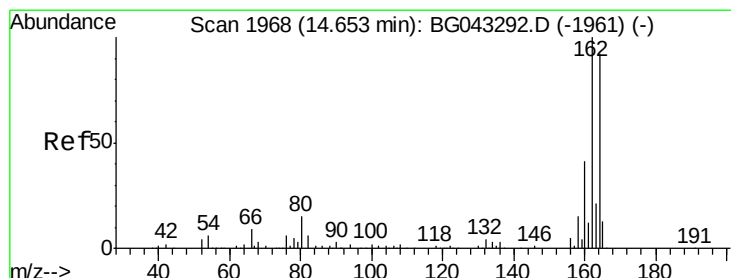
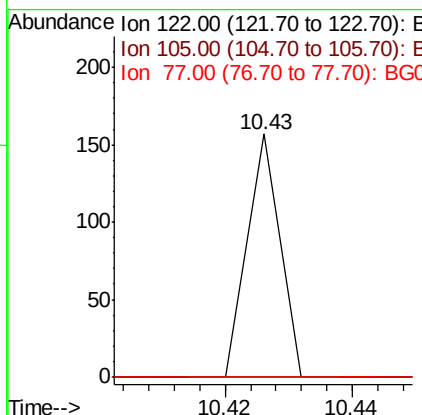
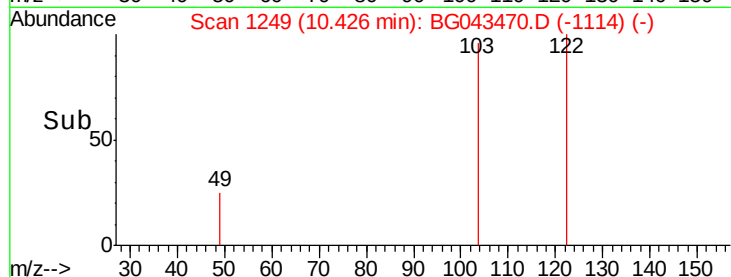
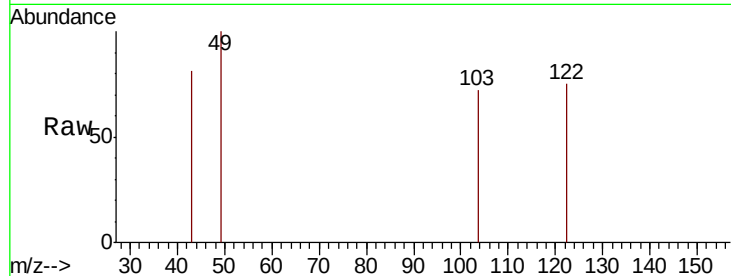




#32
Benzoic acid
Concen: 9.079 ng
RT: 10.43 min Scan# 1249
Delta R.T. 0.26 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

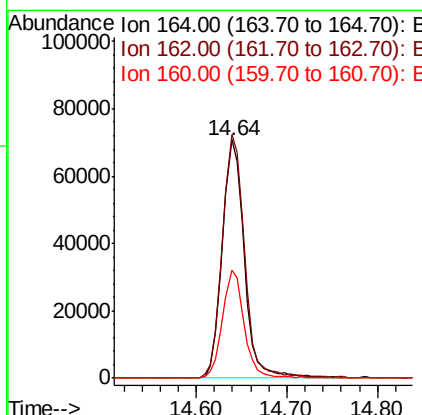
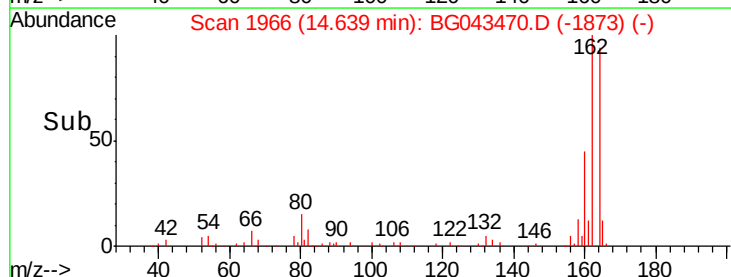
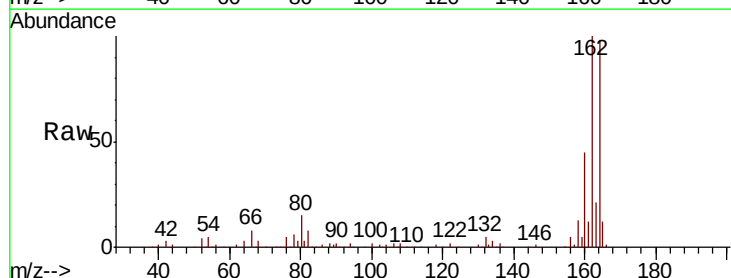
Instrument :
BNA_G
ClientSampleId :
20190938-COMPOSITE-A

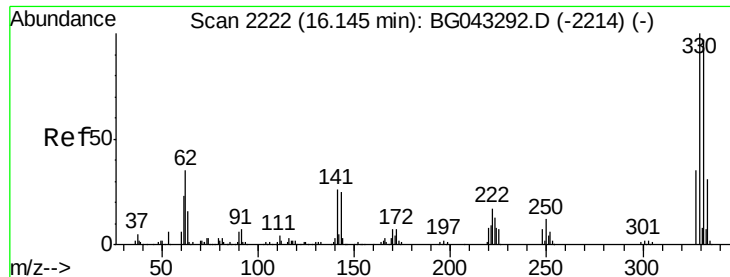
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	86.8	126.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.4	119.2
160	45.5	36.3	54.5

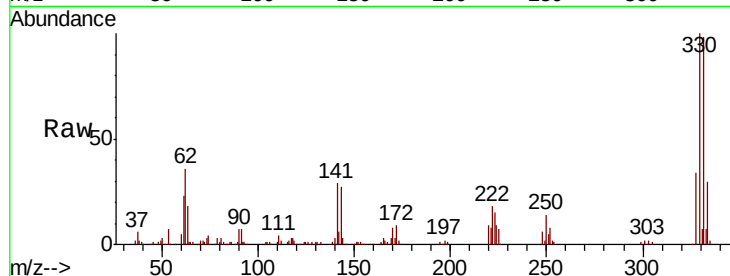




#42
 2,4,6-Tribromophenol
 Concen: 83.407 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.02 min
 Lab File: BG043470.D
 Acq: 1 Nov 2019 17:57

Instrument :
 BNA_G
 ClientSampleId :
 20190938-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	28.4	23.4	35.2

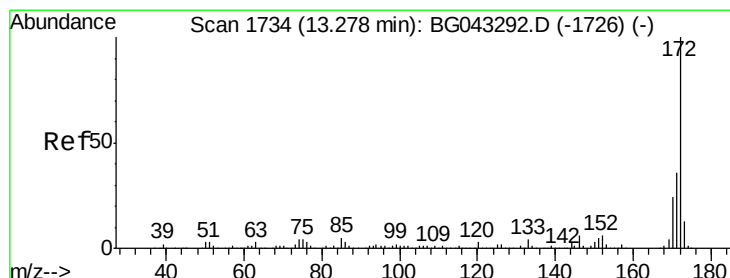
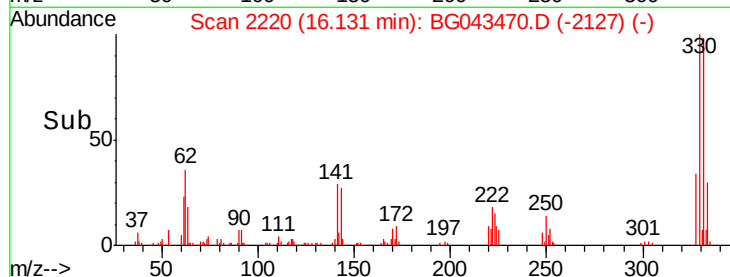
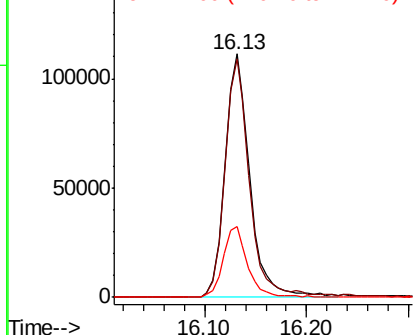


Abundance

Ion 329.80 (329.50 to 330.50): E

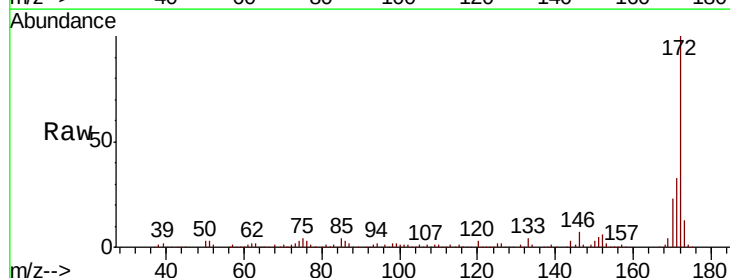
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 53.615 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. 0.02 min
 Lab File: BG043470.D
 Acq: 1 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.1	42.1
170	22.6	18.8	28.2

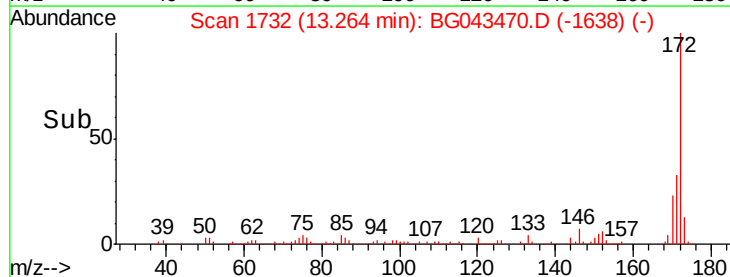
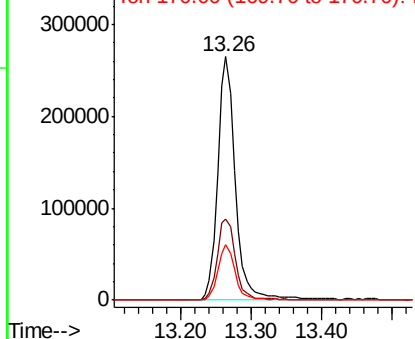


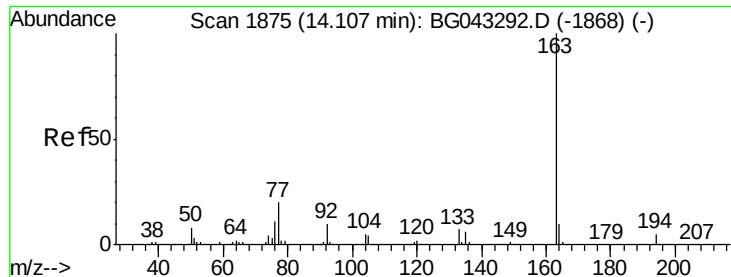
Abundance

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: 7.077 ng

RT: 14.09 min Scan# 1873

Delta R.T. 0.02 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

Instrument :

BNA_G

ClientSampleId :

20190938-COMPOSITE-A

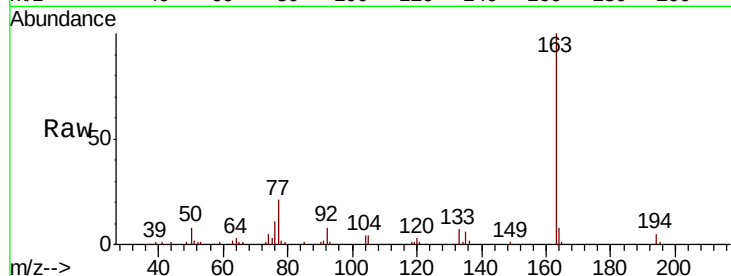
Tot Ion:163 Resp: 65142

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

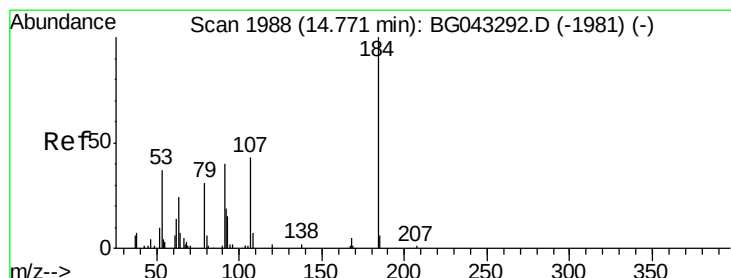
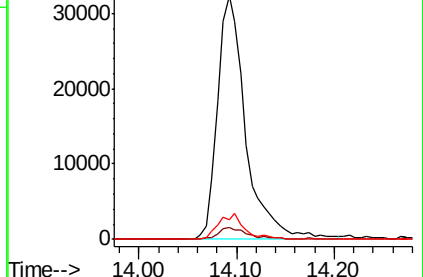
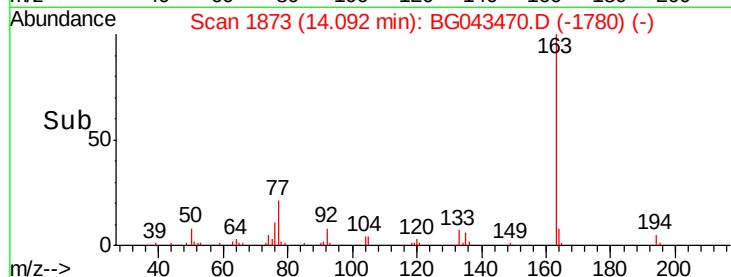
164 8.2 8.5 12.7#



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



#54

2,4-Dinitrophenol

Concen: 7.334 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.10 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

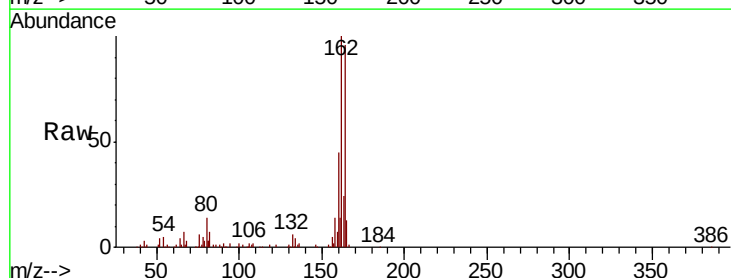
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 59.0 88.4#

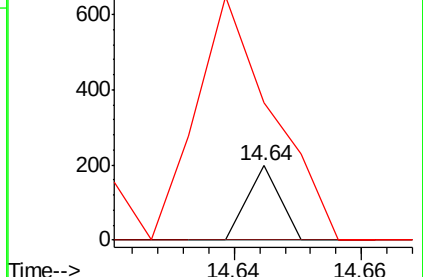
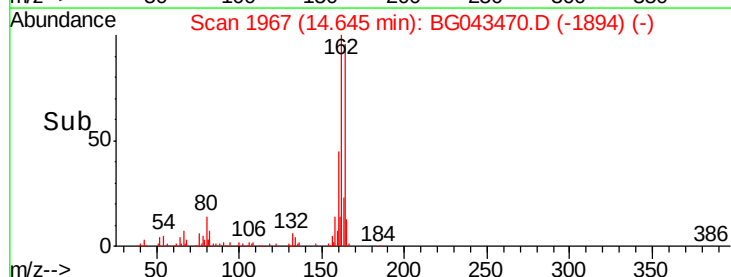
154 184.3 57.4 86.2#

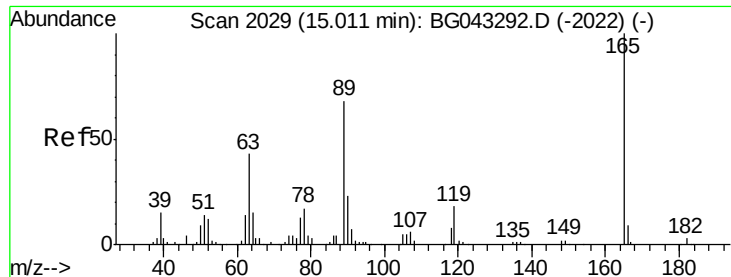


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

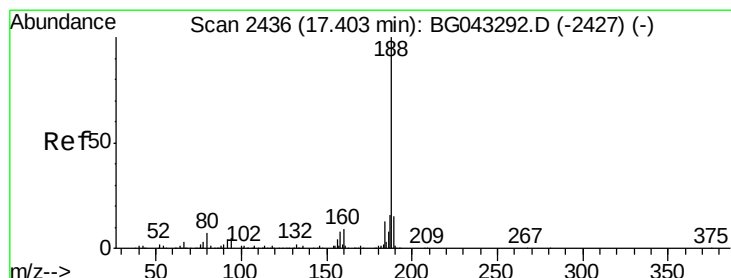
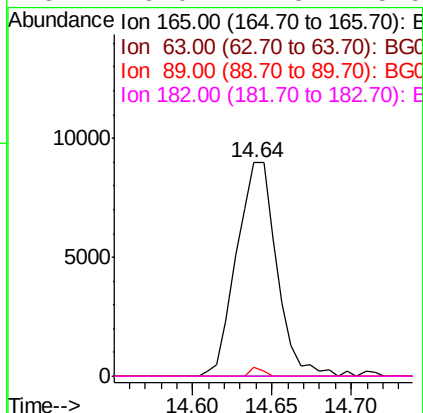
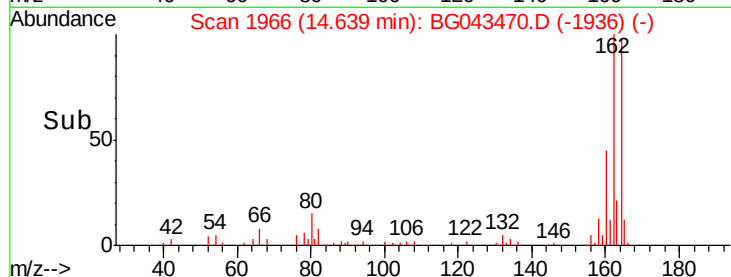
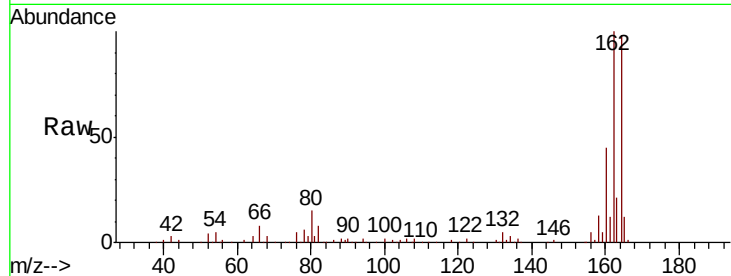




#57
 2,4-Dinitrotoluene
 Concen: 5.509 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.35 min
 Lab File: BG043470.D
 Acq: 1 Nov 2019 17:57

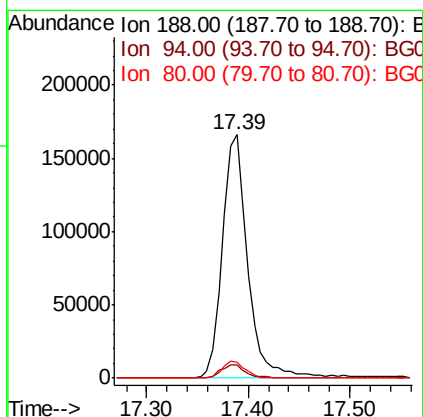
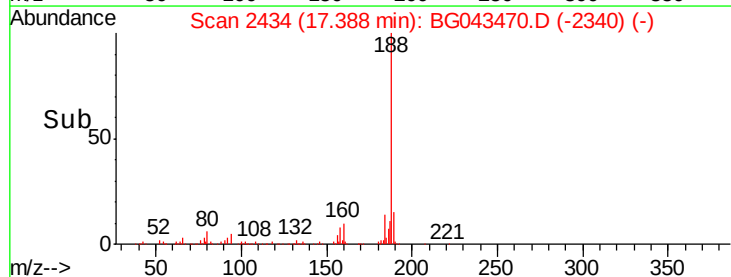
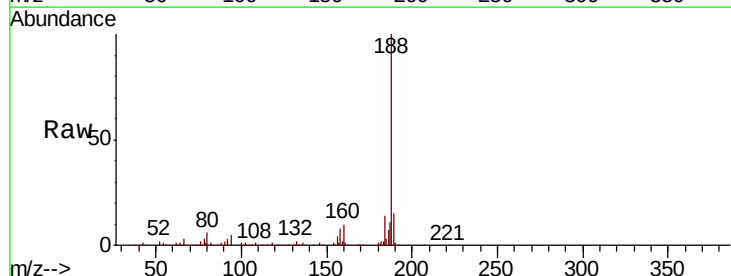
Instrument :
 BNA_G
 ClientSampleId :
 20190938-COMPOSITE-A

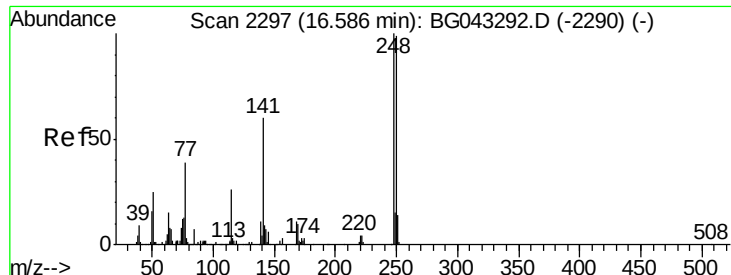
Tot Ion:165	Resp: 15743
Ion Ratio	Lower Upper
165 100	
63 0.0	37.4 56.0#
89 4.3	50.9 76.3#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. 0.02 min
 Lab File: BG043470.D
 Acq: 1 Nov 2019 17:57

Tgt	Ion:188	Resp:	288717
Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.6	7.0
80	6.5	5.2	7.8

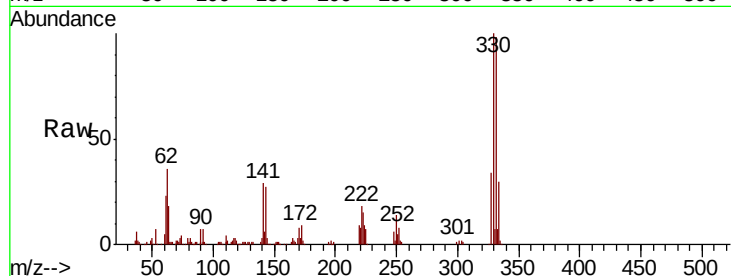




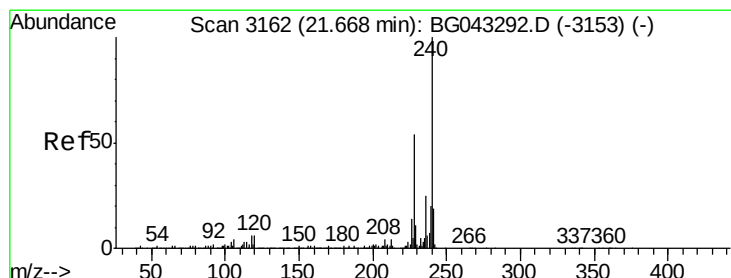
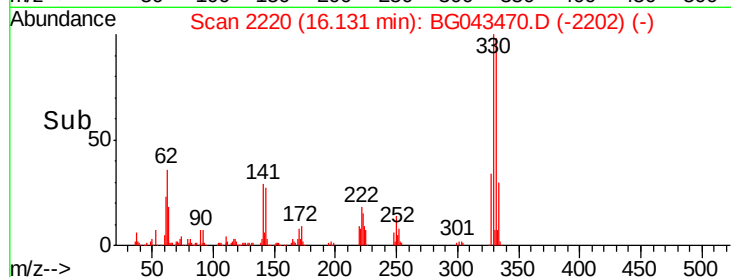
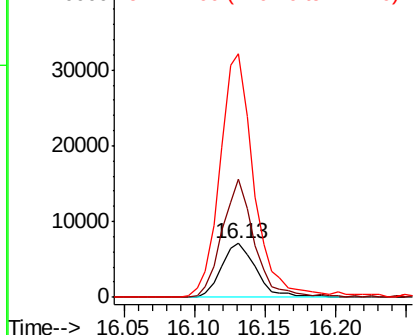
#67
4-Bromophenyl-phenylether
Concen: 3.143 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.43 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Instrument :
BNA_G
ClientSampleId :
20190938-COMPOSITE-A

Tot Ion:248 Resp: 12214
Ion Ratio Lower Upper
248 100
250 219.6 76.3 114.5#
141 453.3 49.5 74.3#

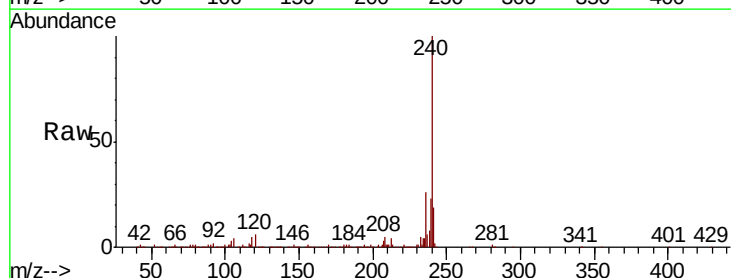


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

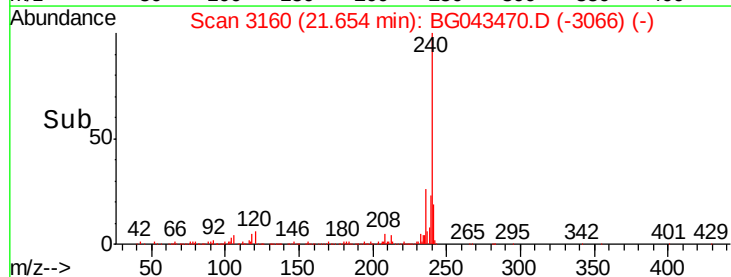
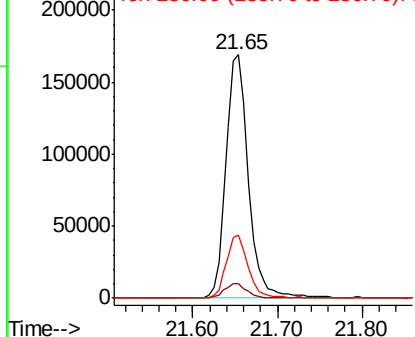


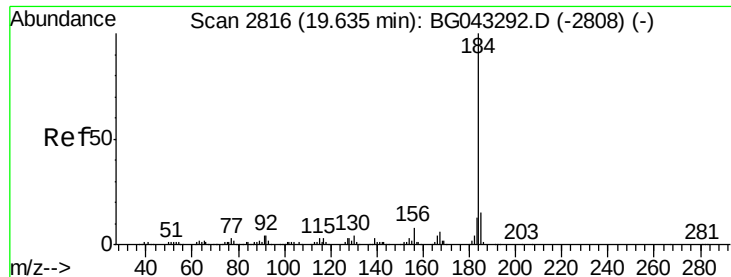
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BG043470.D
Acq: 1 Nov 2019 17:57

Tgt Ion:240 Resp: 308259
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 26.0 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: 2.212 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

Instrument :

BNA_G

ClientSampleId :

20190938-COMPOSITE-A

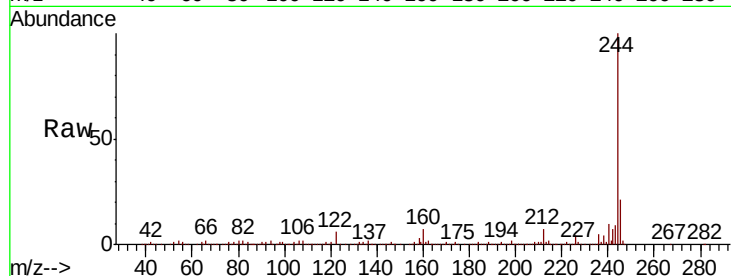
Tot Ion:184 Resp: 13722

Ion Ratio Lower Upper

184 100

185 19.7 12.7 19.1#

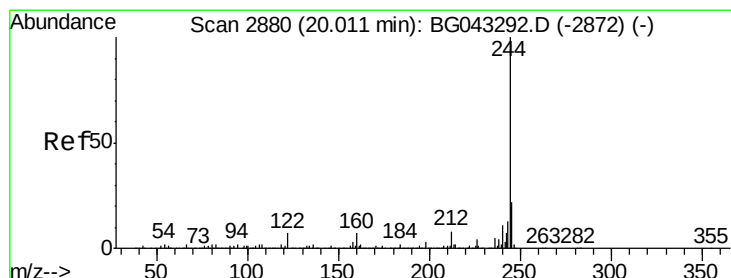
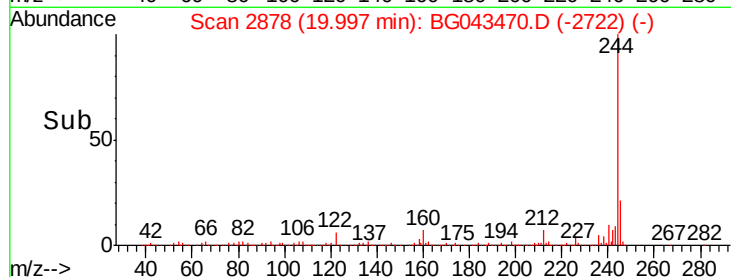
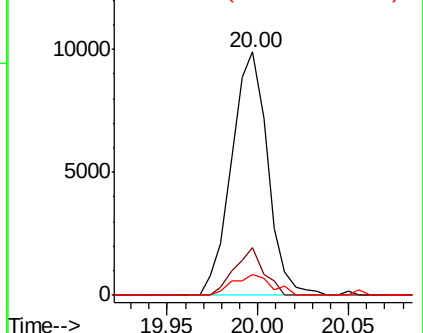
183 8.5 8.8 13.2#



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: 58.375 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043470.D

Acq: 1 Nov 2019 17:57

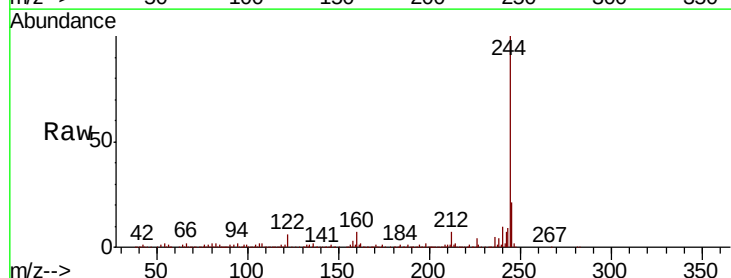
Tgt Ion:244 Resp: 959174

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

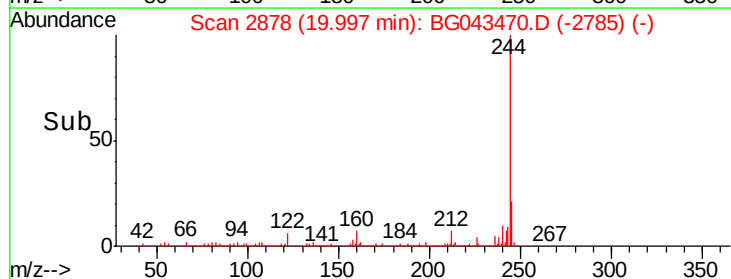
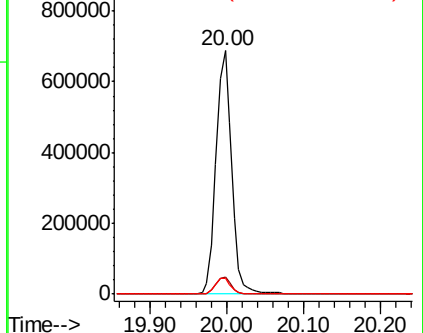
122 6.3 5.2 7.8

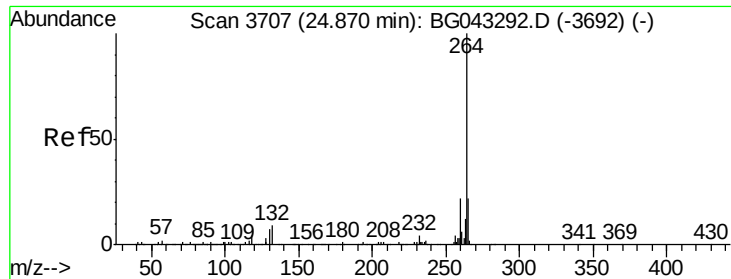


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

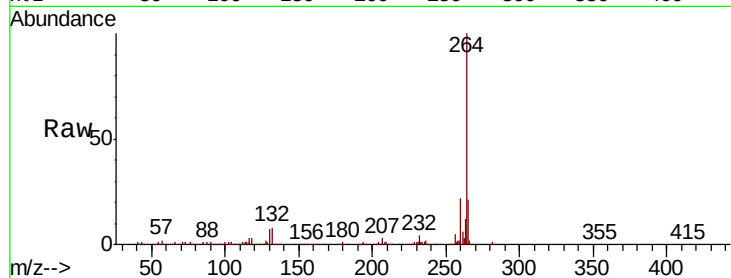




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3702
 Delta R.T. 0.03 min
 Lab File: BG043470.D
 Acq: 1 Nov 2019 17:57

Instrument :
 BNA_G
 ClientSampleId :
 20190938-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.4	27.6
265	20.7	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

