

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043494.D
 Acq On : 4 Nov 2019 23:36
 Operator : JU
 Sample : K5602-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190942-AMENDED-COMPOSITE-

Quant Time: Nov 05 17:32:49 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

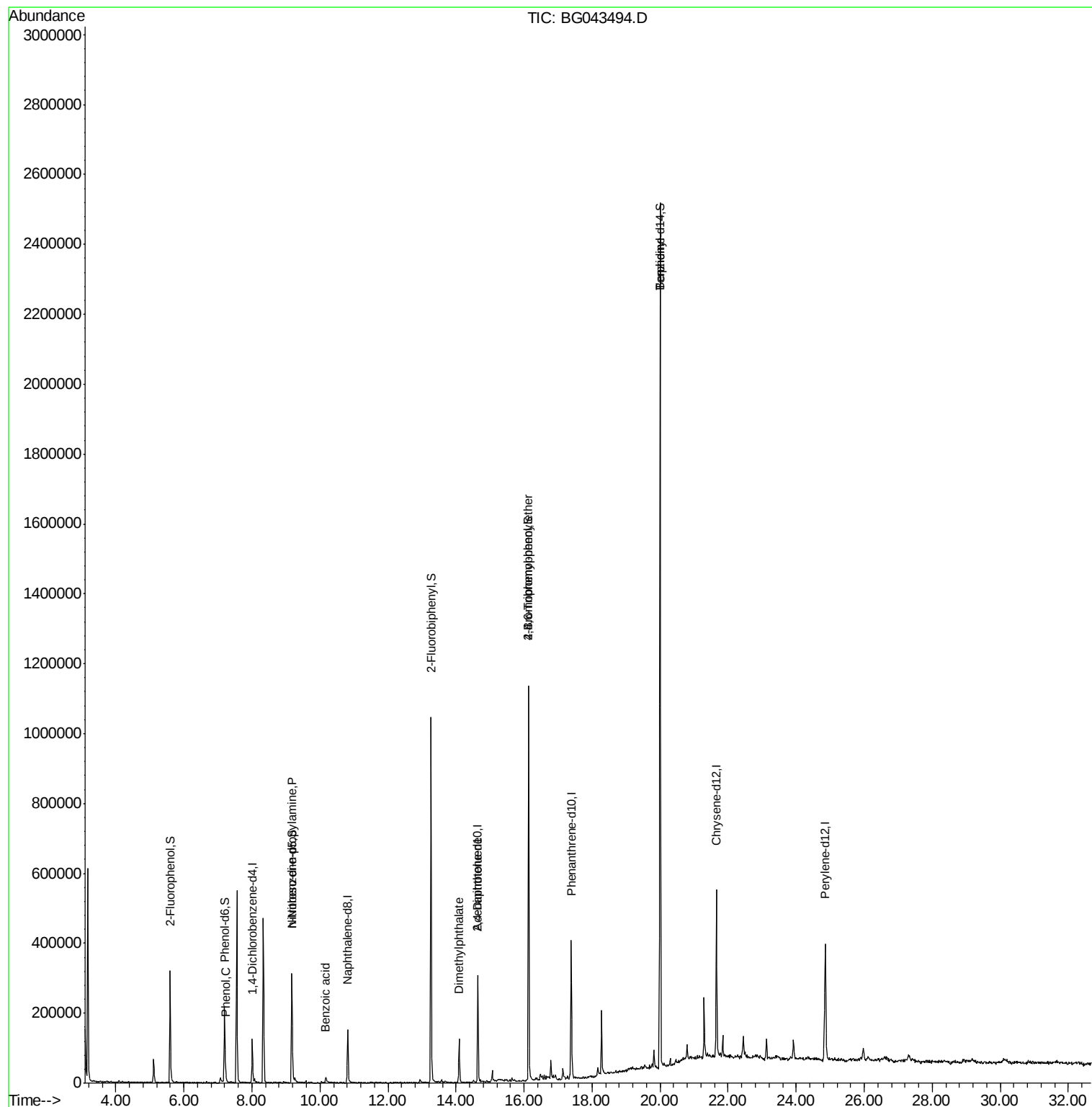
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	38599	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	143878	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	113334	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	274854	20.00	ng	0.00
76) Chrysene-d12	21.66	240	299891	20.00	ng	0.00
87) Perylene-d12	24.85	264	365630	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	151605	71.97	ng	0.00
7) Phenol-d6	7.20	99	137385	45.33	ng	0.00
23) Nitrobenzene-d5	9.17	82	211798	75.89	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	258328	119.78	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	604392	73.69	ng	0.00
79) Terphenyl-d14	20.00	244	1299419	81.29	ng	0.00
Target Compounds						
10) Phenol	7.23	94	12862	4.644	ng	96
19) n-Nitroso-di-n-propylamine	9.17	70	28936	14.776	ng	# 73
32) Benzoic acid	10.17	122	452	9.310	ng	91
50) Dimethylphthalate	14.09	163	89625	10.210	ng	99
57) 2,4-Dinitrotoluene	14.64	165	15227	5.587	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	17060	4.612	ng	# 1
77) Benzidine	20.00	184	19370	3.209	ng	# 88

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

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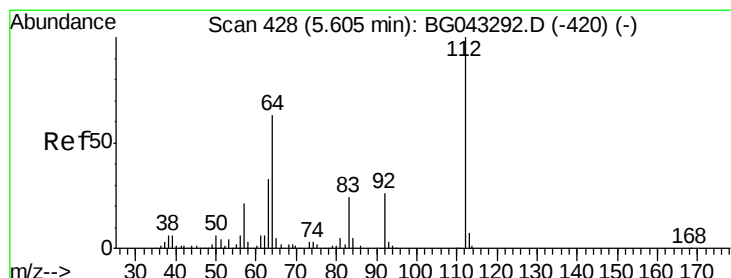
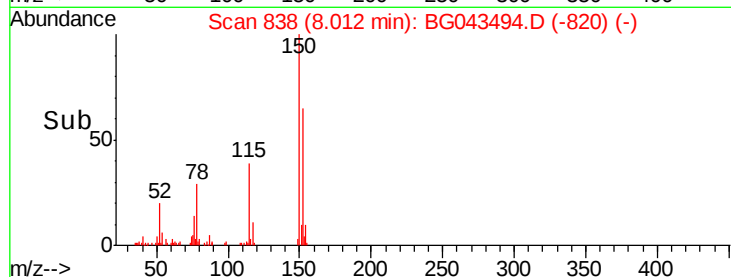
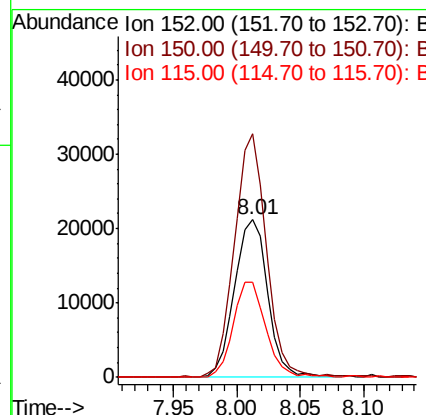
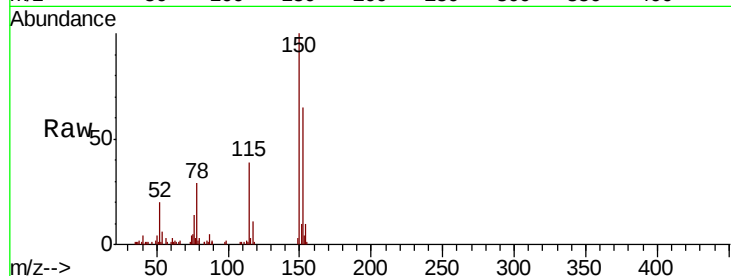


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Instrument :
BNA_G
ClientSampleId :
20190942-AMENDED-COMPOSITE-

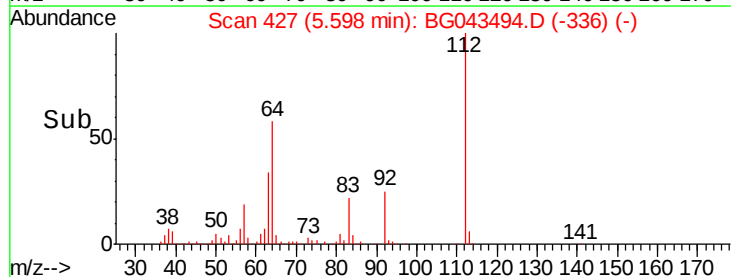
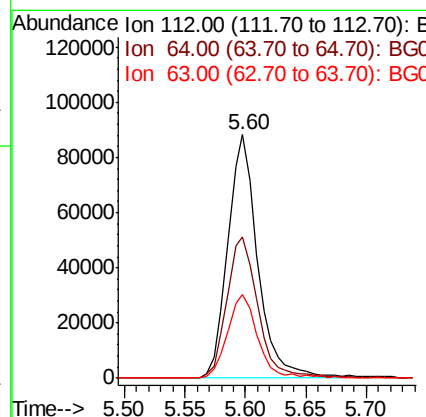
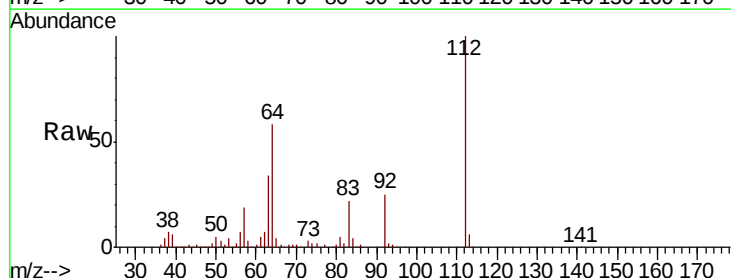
Tot Ion:152 Resp: 38599
Ion Ratio Lower Upper
152 100
150 154.7 129.4 194.0
115 60.1 48.8 73.2



#5

2-Fluorophenol
Concen: 71.973 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Tgt Ion:112 Resp: 151605
Ion Ratio Lower Upper
112 100
64 57.8 50.0 75.0
63 34.1 26.6 40.0





#7

Phenol-d6

Concen: 45.332 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

Instrument :

BNA_G

ClientSampleId :

20190942-AMENDED-COMPOSITE-

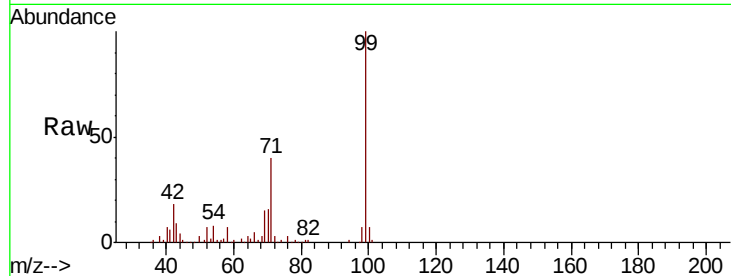
Tot Ion: 99 Resp: 137385

Ion Ratio Lower Upper

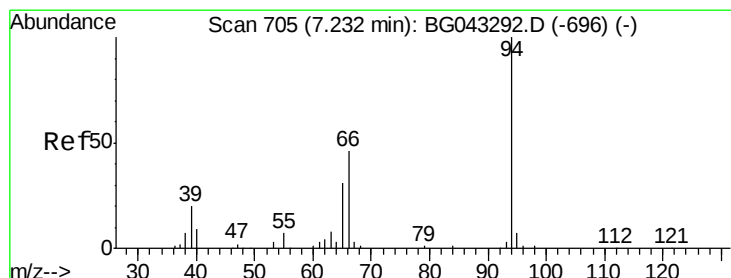
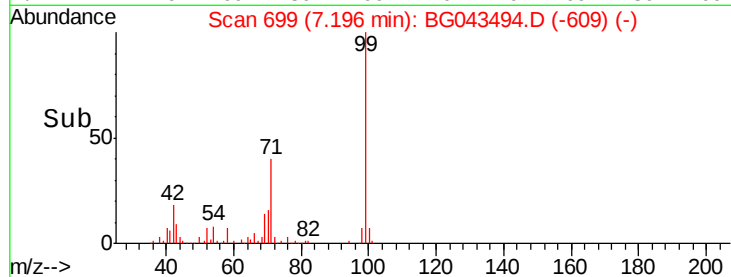
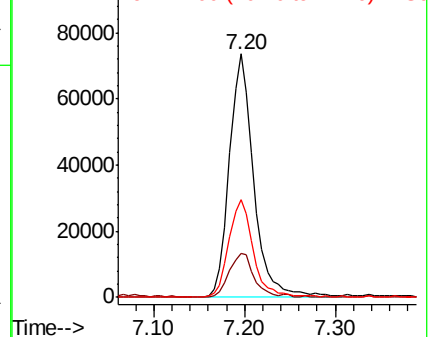
99 100

42 18.0 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: 4.644 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

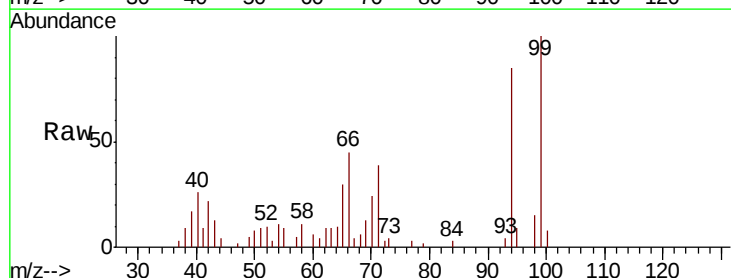
Tgt Ion: 94 Resp: 12862

Ion Ratio Lower Upper

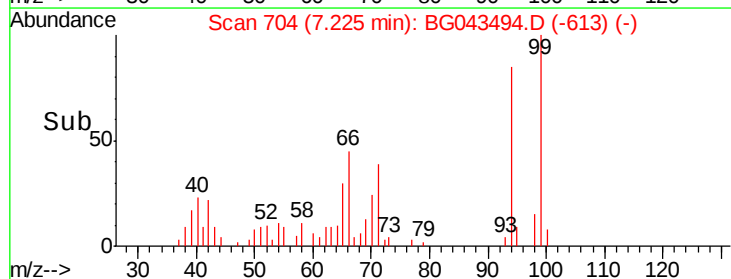
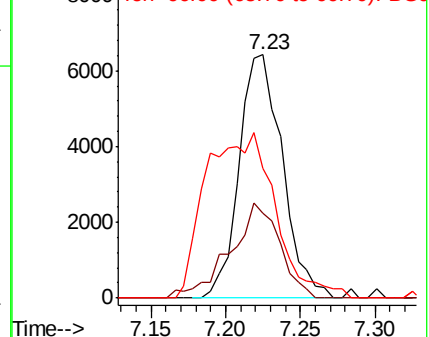
94 100

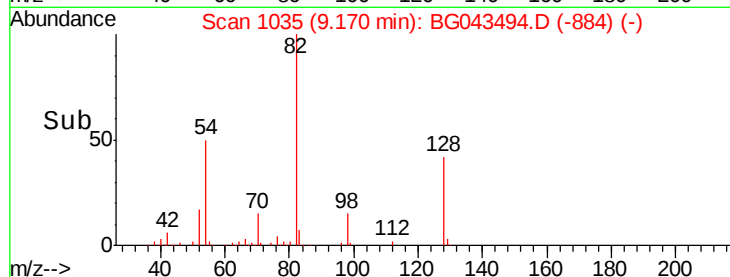
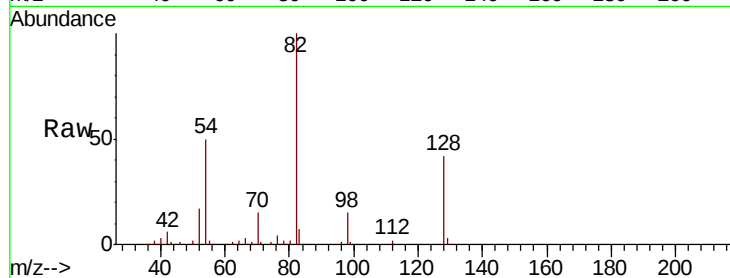
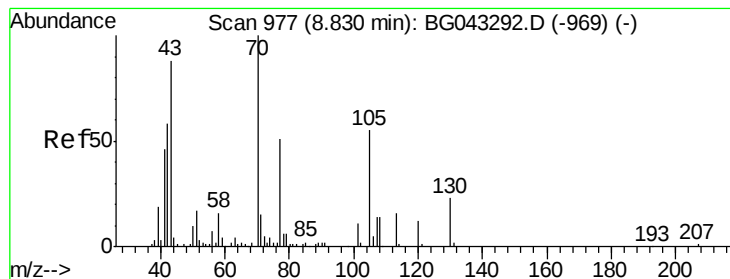
65 35.1 12.6 52.6

66 53.1 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: 14.776 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

Instrument :

BNA_G

ClientSampleId :

20190942-AMENDED-COMPOSITE-

Tot Ion: 70 Resp: 28936

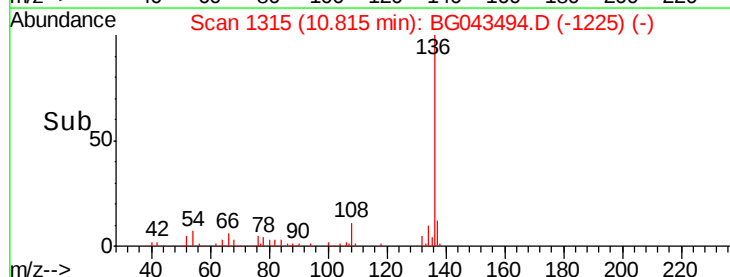
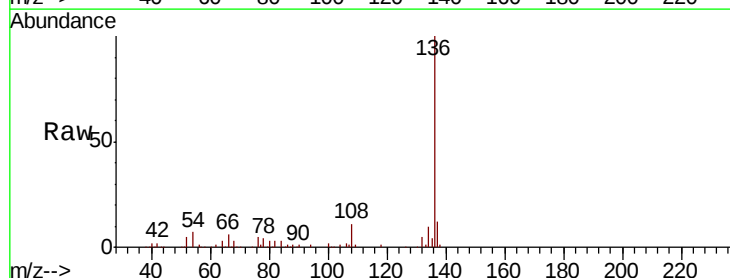
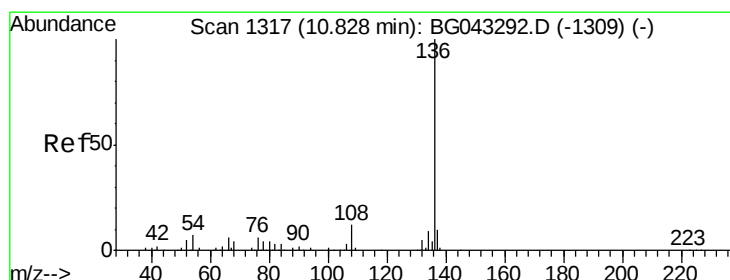
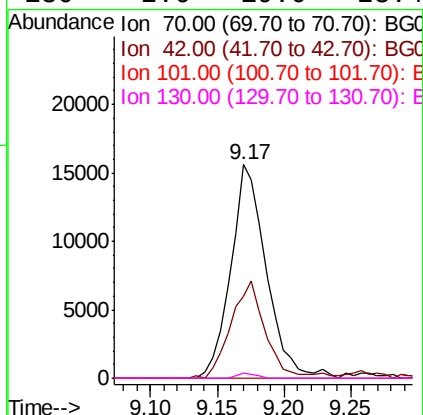
Ion Ratio Lower Upper

70 100

42 38.4 41.4 62.2#

101 0.0 7.9 11.9#

130 2.6 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: BG043494.D

Acq: 4 Nov 2019 23:36

Tgt Ion: 136 Resp: 143878

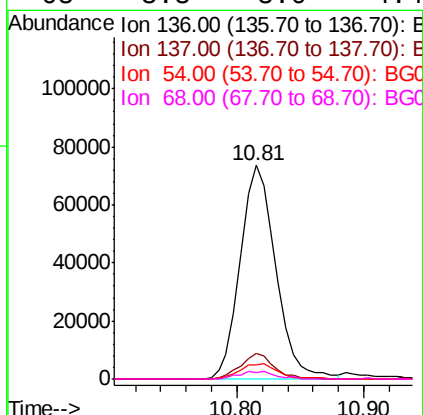
Ion Ratio Lower Upper

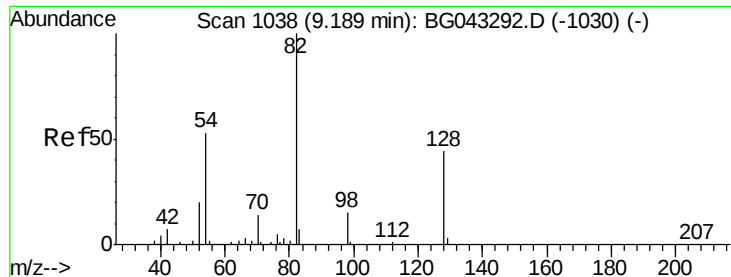
136 100

137 12.2 8.7 13.1

54 6.7 5.4 8.2

68 3.3 3.0 4.4

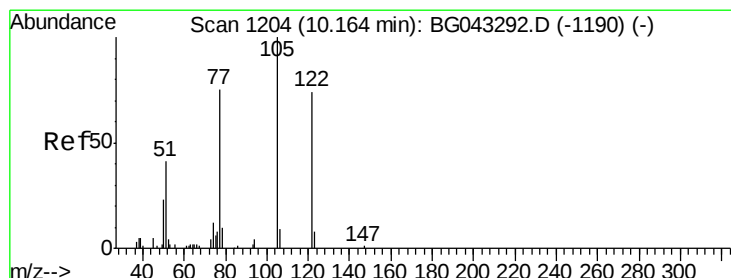
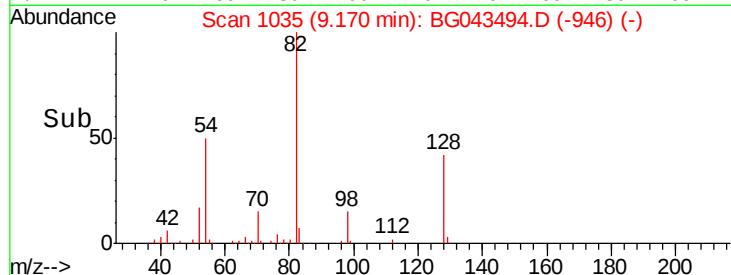
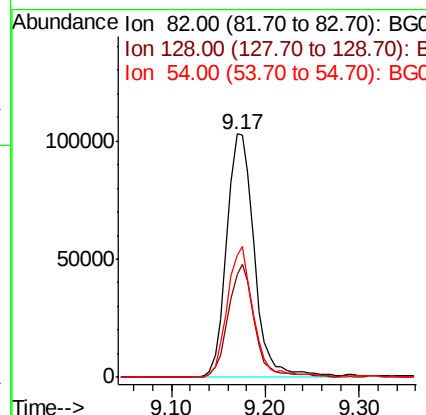
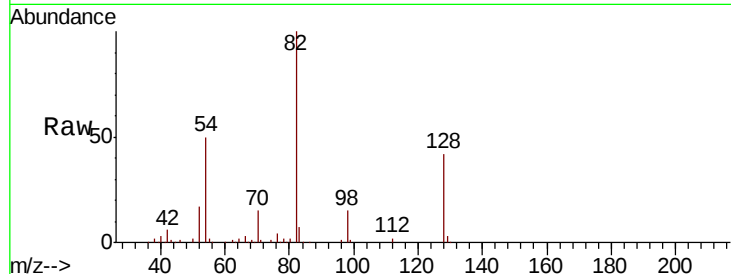




#23
Nitrobenzene-d5
Concen: 75.892 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

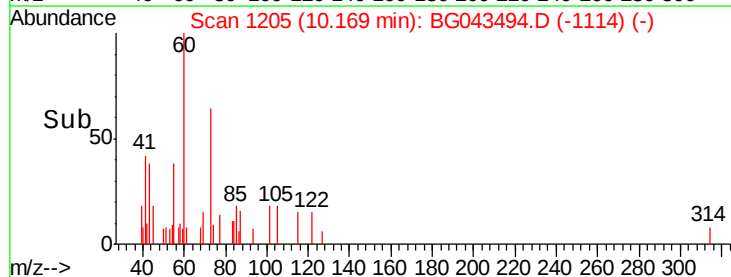
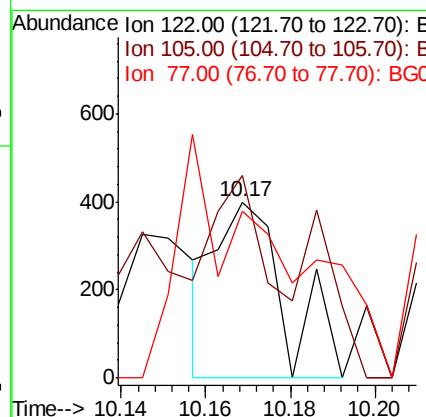
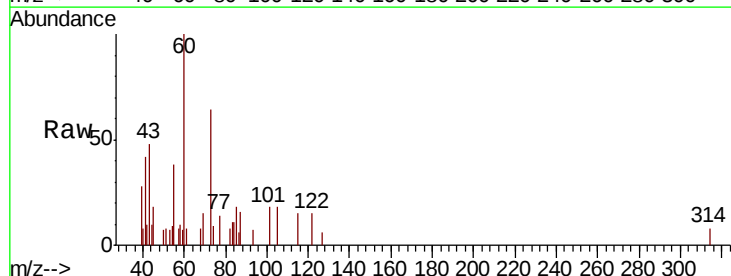
Instrument :
BNA_G
ClientSampleId :
20190942-AMENDED-COMPOSITE-

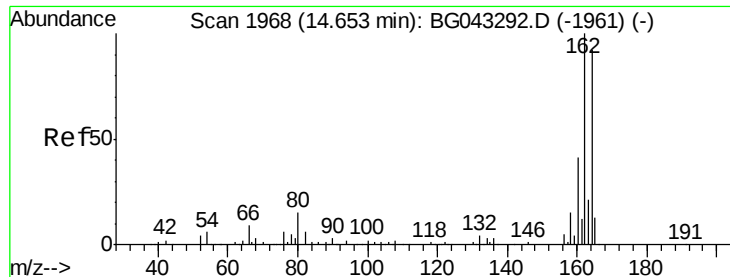
Tot Ion	82	Resp	211798
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.0	52.6
54	50.2	40.2	60.2



#32
Benzoic acid
Concen: 9.310 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Tgt Ion	122	Resp	452
Ion Ratio	Lower	Upper	
122	100		
105	115.0	103.3	143.3
77	94.8	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: BG043494.D

Acq: 4 Nov 2019 23:36

Instrument :

BNA_G

ClientSampleId :

20190942-AMENDED-COMPOSITE-

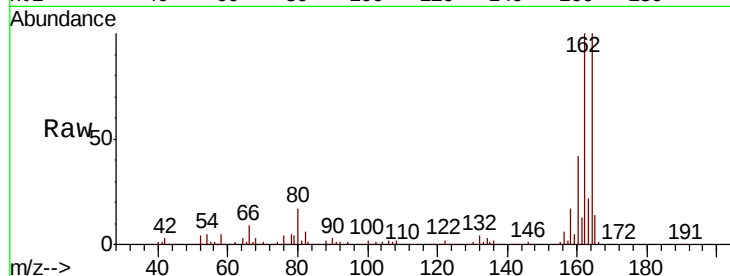
Tot Ion:164 Resp: 113334

Ion Ratio Lower Upper

164 100

162 99.7 83.5 125.3

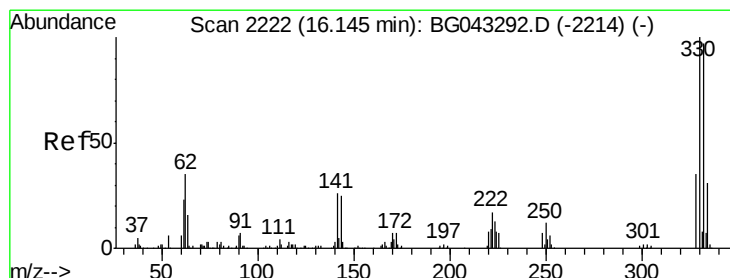
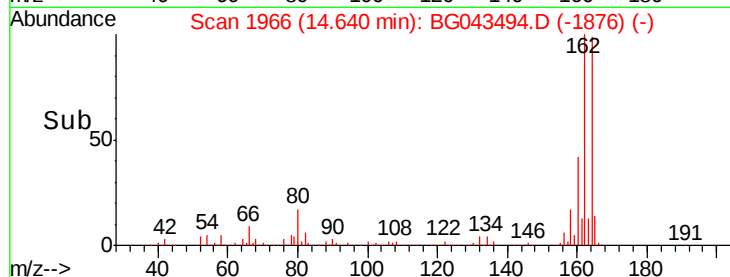
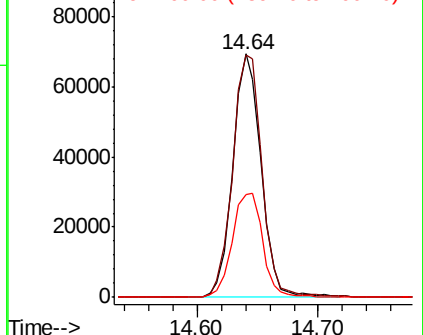
160 42.3 36.5 54.7



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: 119.777 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

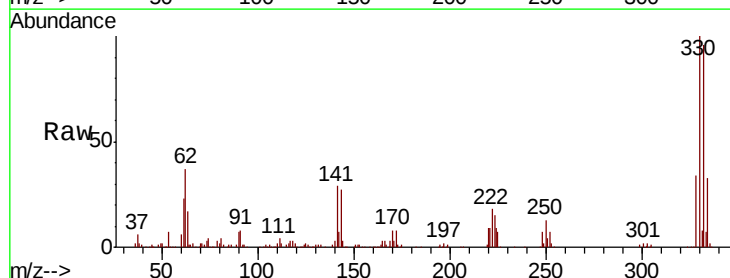
Tgt Ion:330 Resp: 258328

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

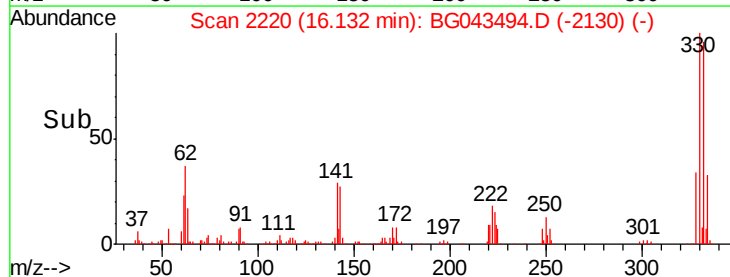
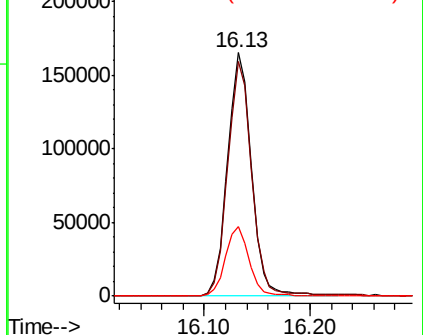
141 28.2 22.8 34.2

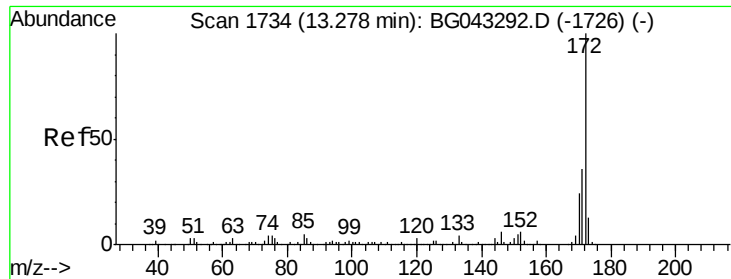


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

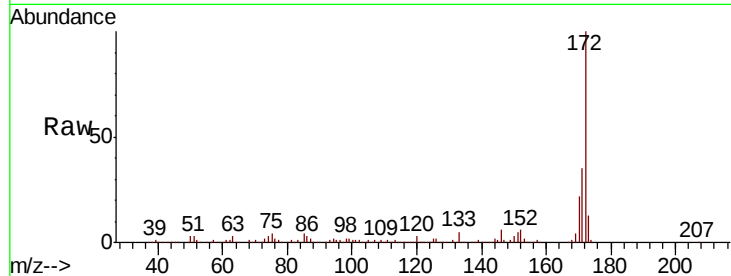




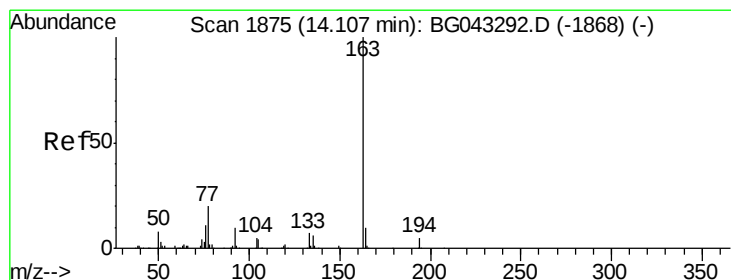
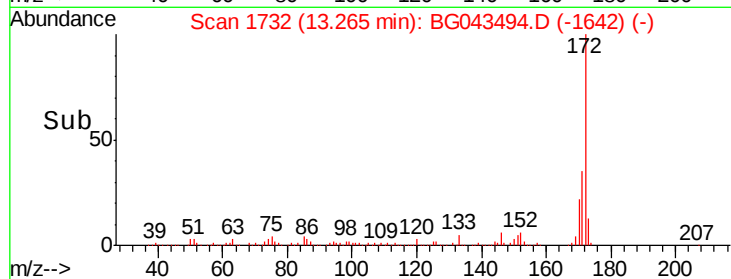
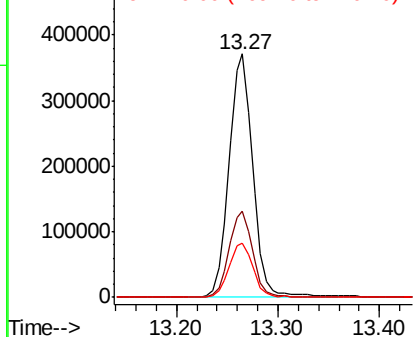
#45
2-Fluorobiphenyl
Concen: 73.689 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Instrument :
BNA_G
ClientSampleId :
20190942-AMENDED-COMPOSITE-

Tot Ion:172 Resp: 604392
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 22.4 18.5 27.7

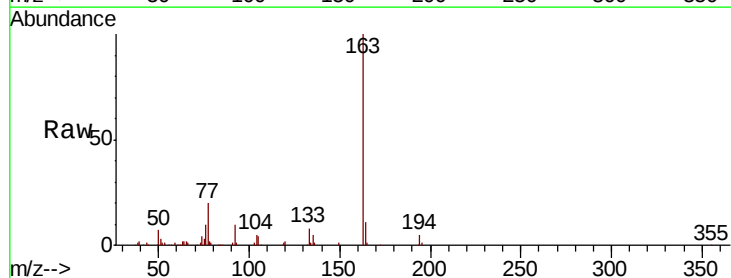


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

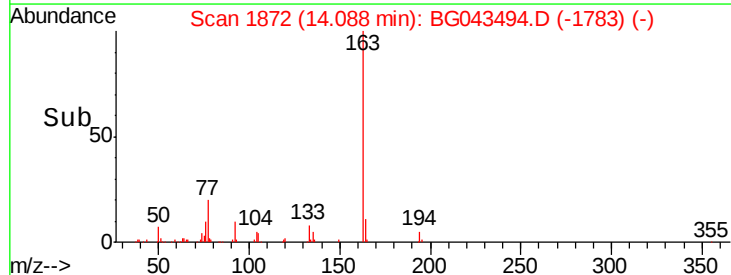
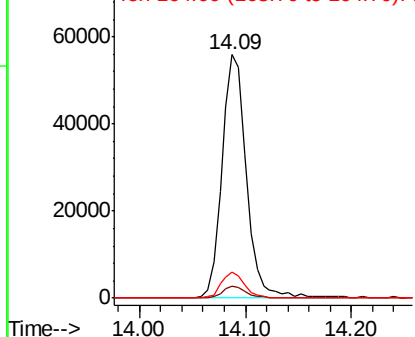


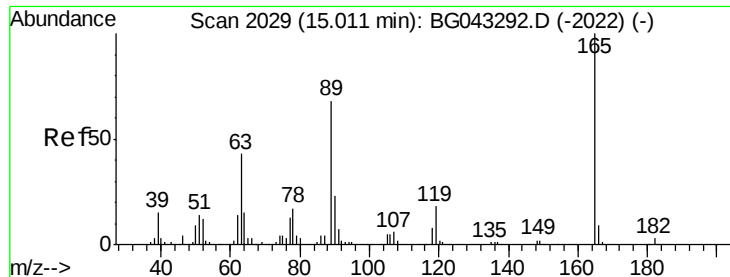
#50
Dimethylphthalate
Concen: 10.210 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Tgt Ion:163 Resp: 89625
Ion Ratio Lower Upper
163 100
194 4.7 3.8 5.6
164 10.6 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

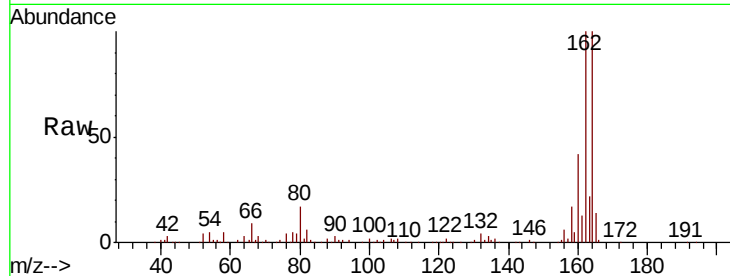




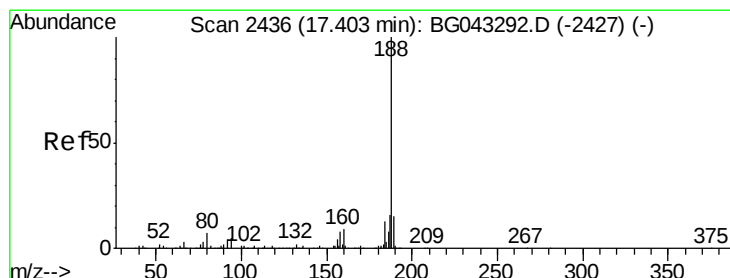
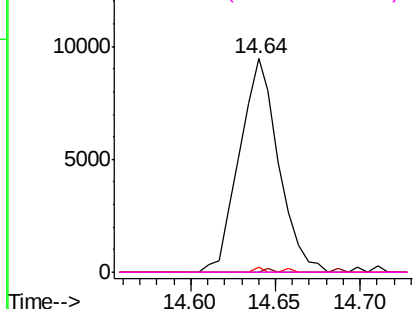
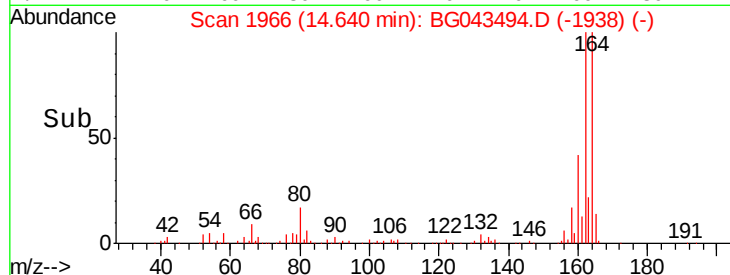
#57
 2,4-Dinitrotoluene
 Concen: 5.587 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.37 min
 Lab File: BG043494.D
 Acq: 4 Nov 2019 23:36

Instrument :
 BNA_G
 ClientSampleId :
 20190942-AMENDED-COMPOSITE-

Tot Ion:165 Resp: 15227
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 2.3 52.2 78.4#
 182 0.0 2.0 3.0#

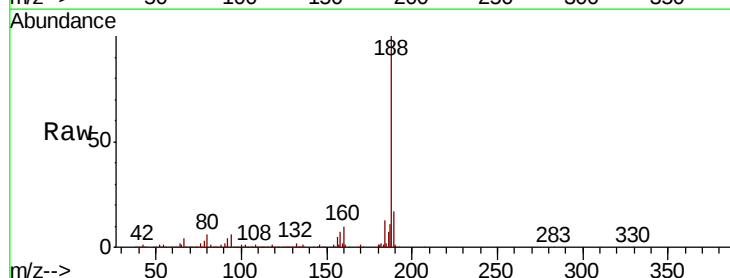


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

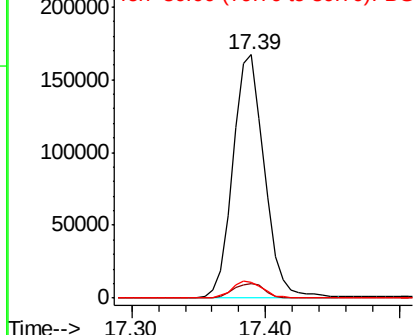
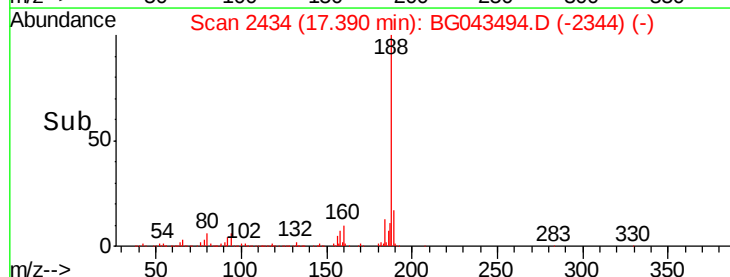


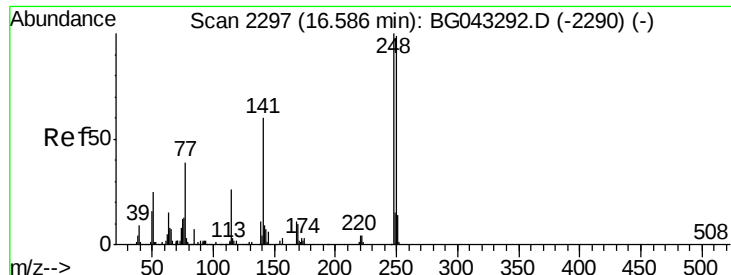
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG043494.D
 Acq: 4 Nov 2019 23:36

Tgt Ion:188 Resp: 274854
 Ion Ratio Lower Upper
 188 100
 94 5.9 4.2 6.4
 80 6.2 4.5 6.7



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

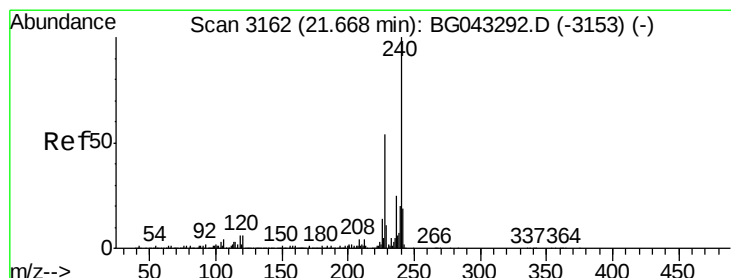
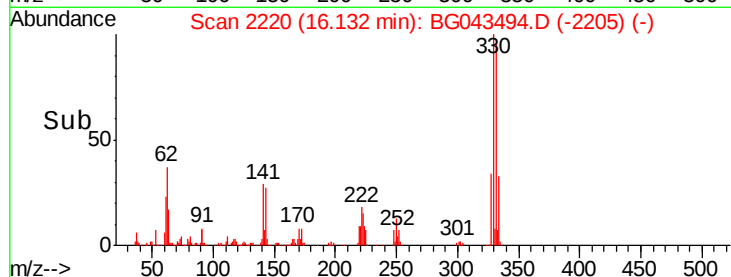
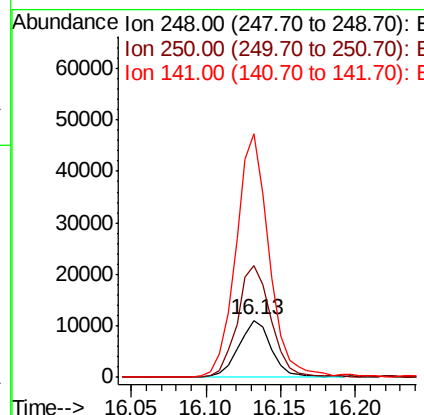
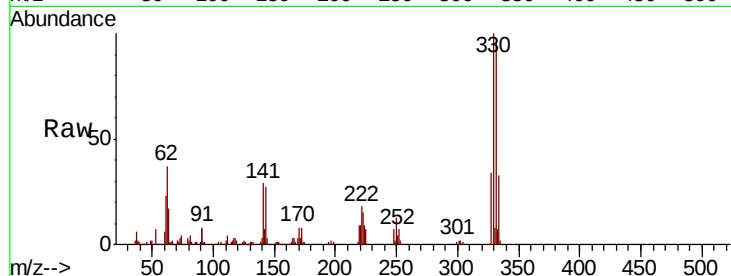




#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

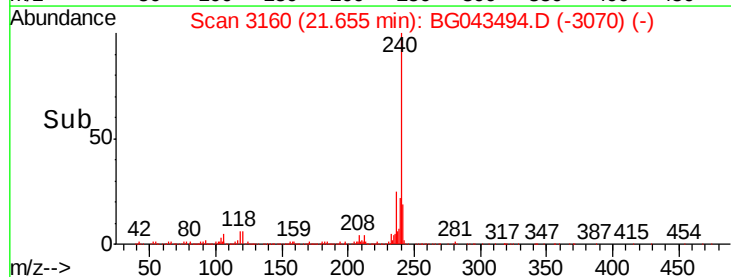
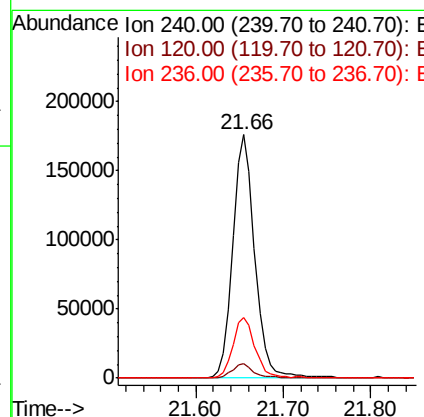
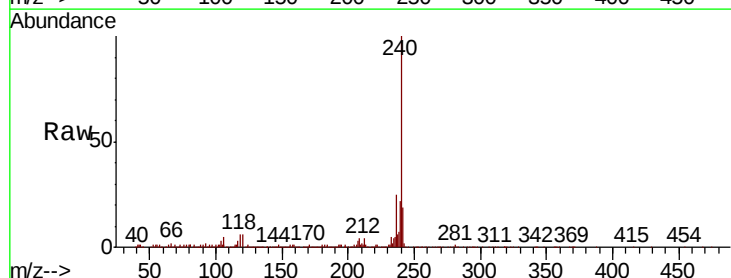
Instrument :
BNA_G
ClientSampleId :
20190942-AMENDED-COMPOSITE-

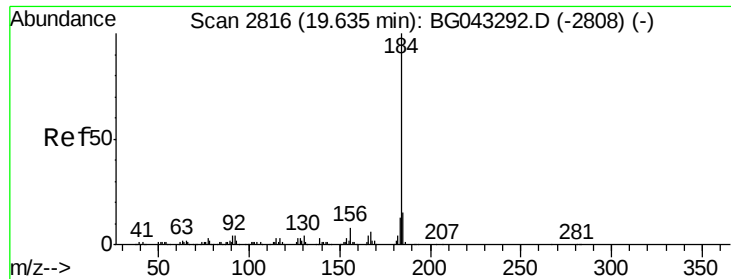
Tot Ion:248 Resp: 17060
Ion Ratio Lower Upper
248 100
250 195.4 77.0 115.4#
141 424.9 47.5 71.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043494.D
Acq: 4 Nov 2019 23:36

Tgt Ion:240 Resp: 299891
Ion Ratio Lower Upper
240 100
120 6.1 4.6 6.8
236 25.1 19.8 29.8





#77

Benzidine

Concen: 3.209 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

Instrument :

BNA_G

ClientSampleId :

20190942-AMENDED-COMPOSITE-

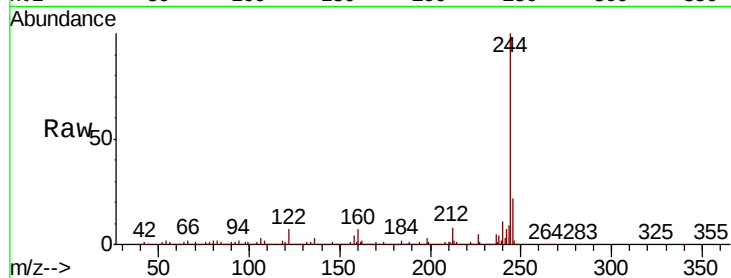
Tot Ion:184 Resp: 19370

Ion Ratio Lower Upper

184 100

185 19.1 11.0 16.4#

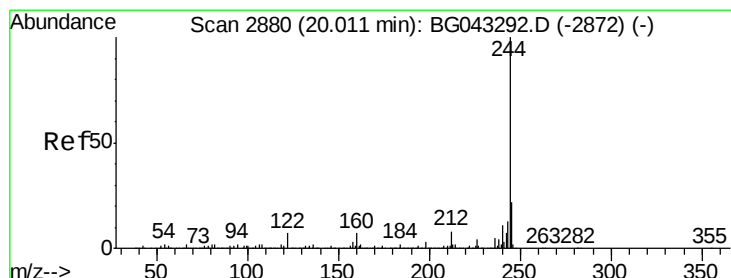
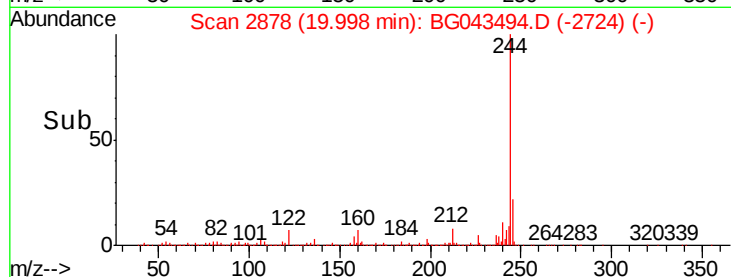
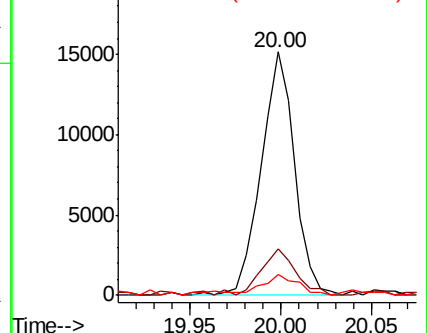
183 8.7 10.0 15.0#



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: 81.289 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043494.D

Acq: 4 Nov 2019 23:36

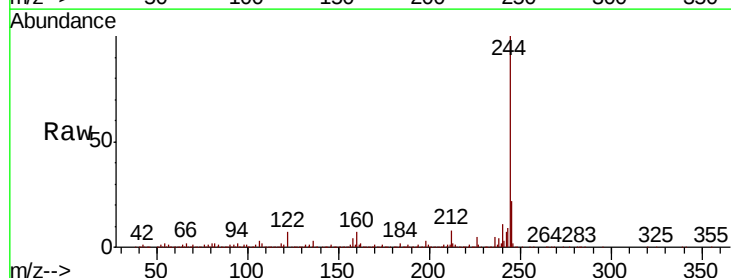
Tgt Ion:244 Resp: 1299419

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

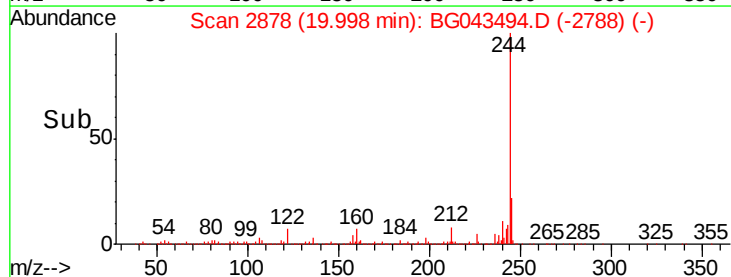
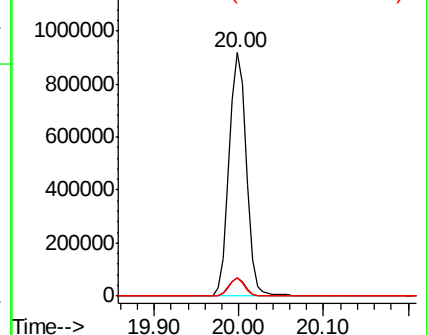
122 7.3 5.4 8.2

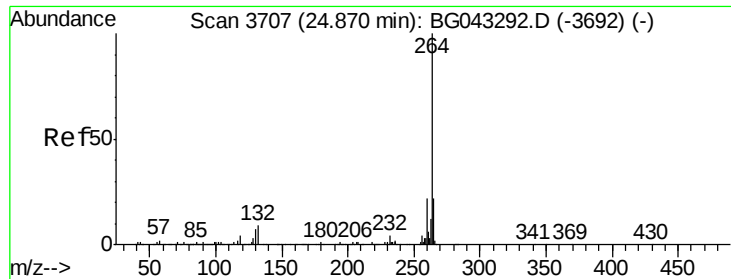


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043494.D
 Acq: 4 Nov 2019 23:36

Instrument :
 BNA_G
 ClientSampleId :
 20190942-AMENDED-COMPOSITE-

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	17.5	26.3#
265	22.7	17.4	26.0

