

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043505.D
 Acq On : 5 Nov 2019 13:20
 Operator : JU
 Sample : PB124540TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:44:39 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	38792	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	133317	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	93133	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	244967	20.00	ng	0.00
76) Chrysene-d12	21.65	240	296090	20.00	ng	0.00
87) Perylene-d12	24.85	264	347269	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	243656	115.10	ng	0.00
7) Phenol-d6	7.20	99	308432	101.26	ng	0.00
23) Nitrobenzene-d5	9.17	82	202670	78.37	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	216902	122.38	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	520822	77.27	ng	0.00
79) Terphenyl-d14	20.00	244	1350311	85.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	6880	8.340	ng	# 1
10) Phenol	7.22	94	7812	2.807	ng	# 78
19) n-Nitroso-di-n-propylamine	9.17	70	28623	14.543	ng	# 78
50) Dimethylphthalate	14.10	163	22447	3.112	ng	# 95
51) 2,6-Dinitrotoluene	14.64	165	12580	8.027	ng	# 22
54) 2,4-Dinitrophenol	14.45	184	66	7.344	ng	# 17
57) 2,4-Dinitrotoluene	14.64	165	12581	5.617	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	13583	4.120	ng	# 1
77) Benzidine	20.00	184	19501	3.273	ng	95

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

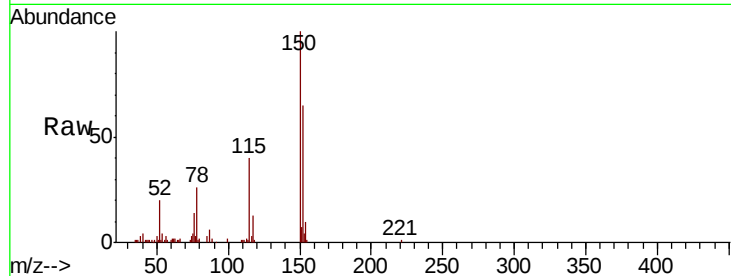


#1

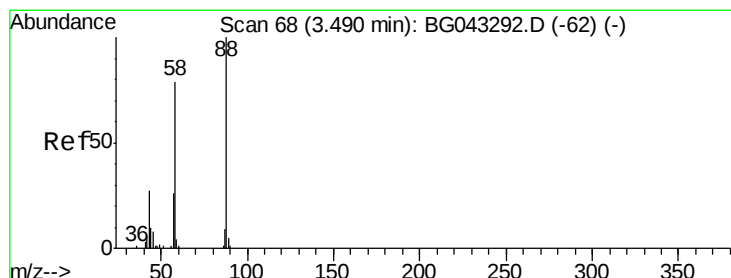
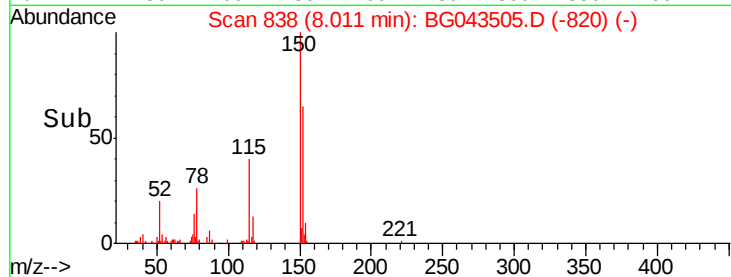
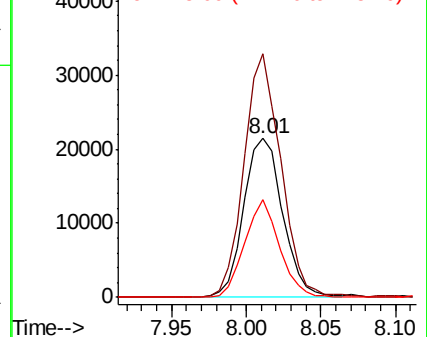
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38792
Ion Ratio Lower Upper
152 100
150 153.3 129.4 194.0
115 61.4 48.8 73.2



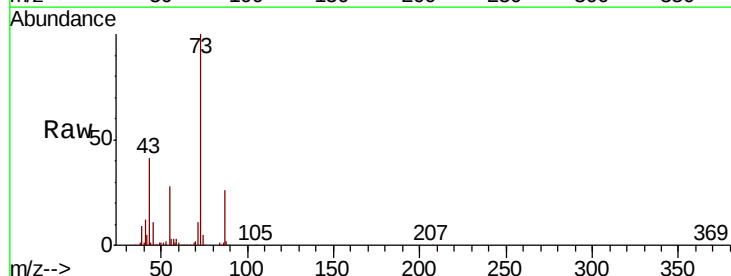
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



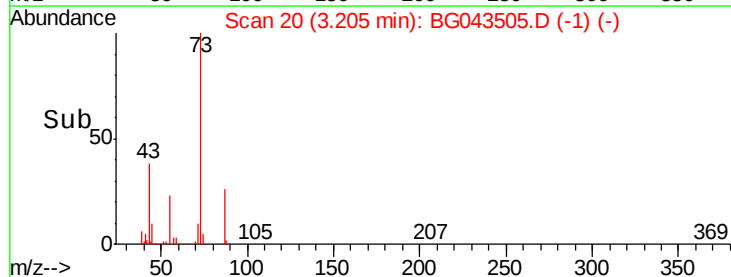
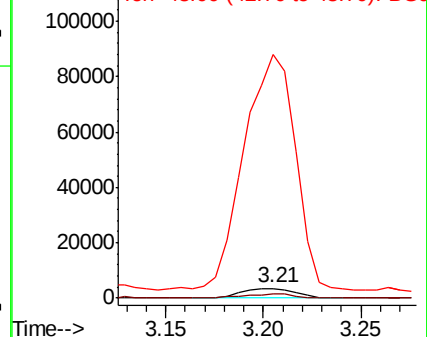
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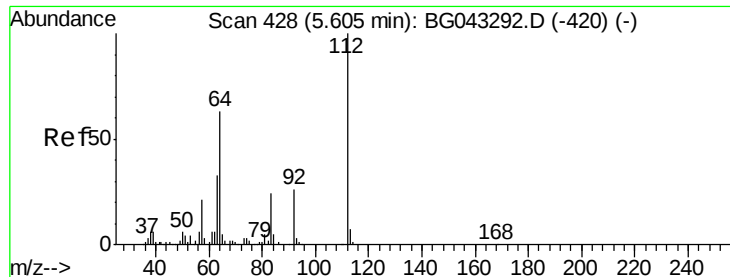
1,4-Dioxane
Concen: 8.340 ng
RT: 3.21 min Scan# 20
Delta R.T. -0.27 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion: 88 Resp: 6880
Ion Ratio Lower Upper
88 100
58 48.0 62.7 94.1#
43 2260.1 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: 115.098 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.01 min

Lab File: BG043505.D

Acq: 5 Nov 2019 13:20

Instrument :

BNA_G

ClientSampleId :

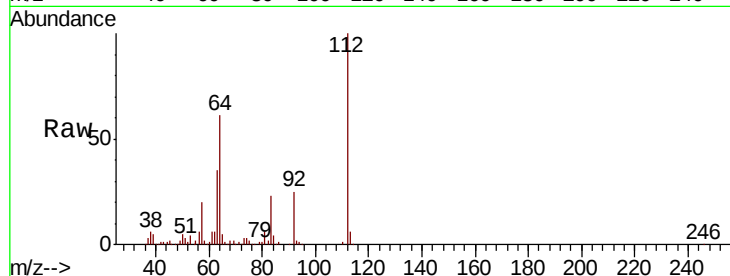
Tot Ion:112 Resp: 243656

Ion Ratio Lower Upper

112 100

64 61.3 50.0 75.0

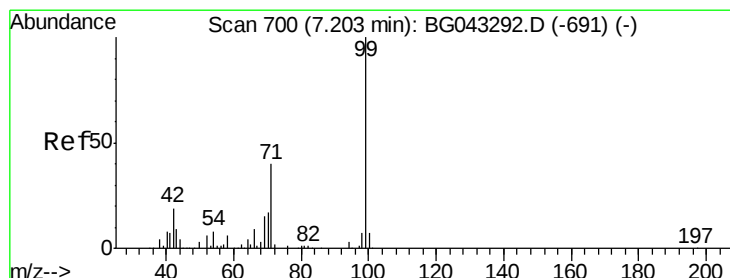
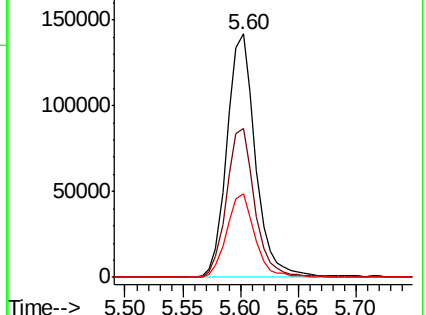
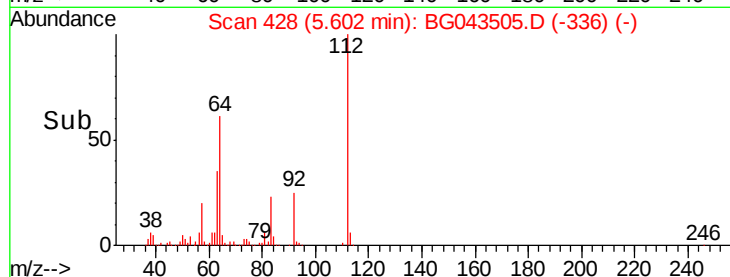
63 34.5 26.6 40.0



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: 101.265 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043505.D

Acq: 5 Nov 2019 13:20

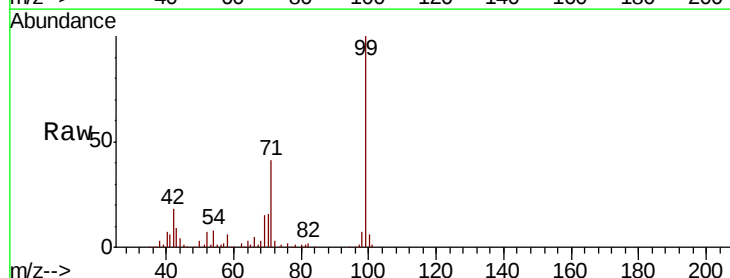
Tgt Ion: 99 Resp: 308432

Ion Ratio Lower Upper

99 100

42 17.7 14.6 21.8

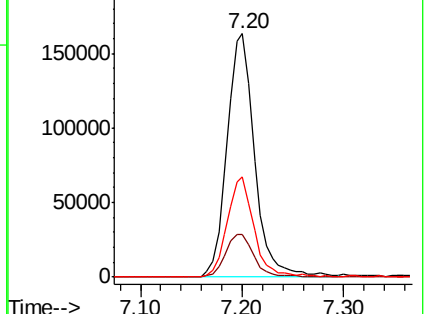
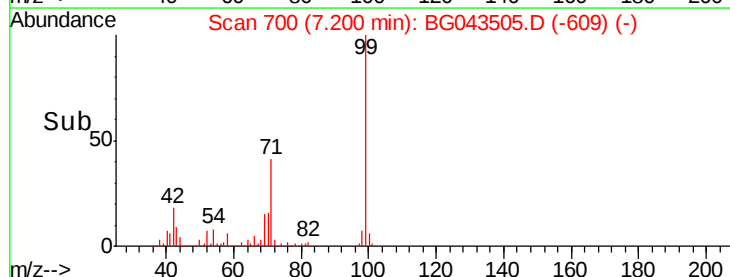
71 41.1 32.5 48.7

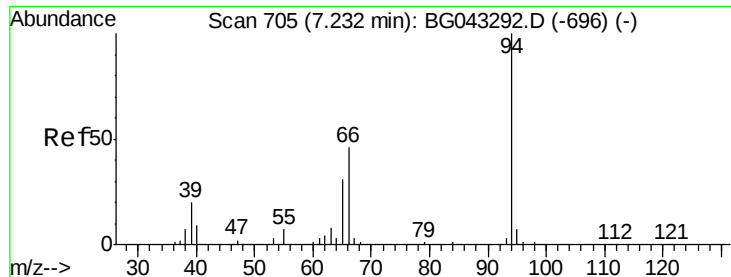


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

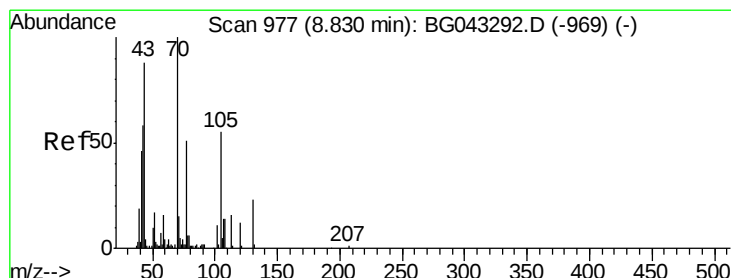
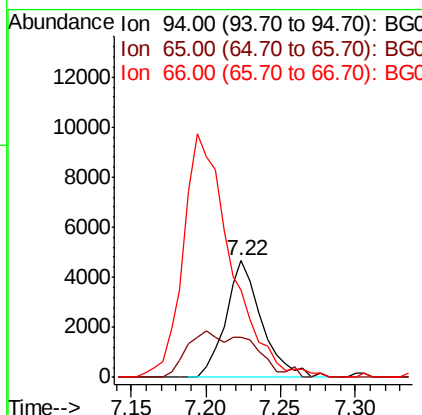
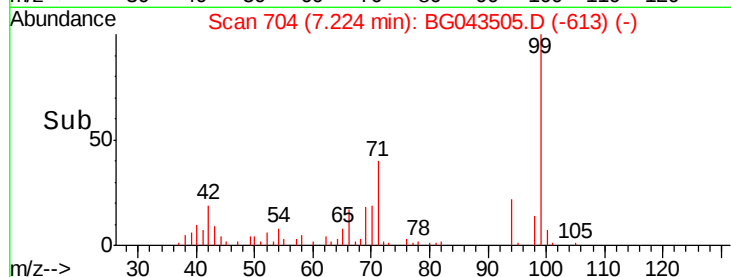
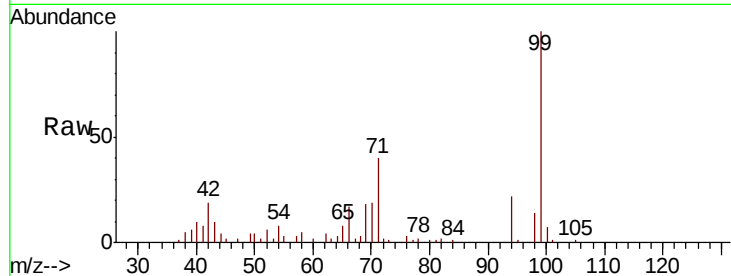




#10
Phenol
Concen: 2.807 ng
RT: 7.22 min Scan# 704
Delta R.T. 0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

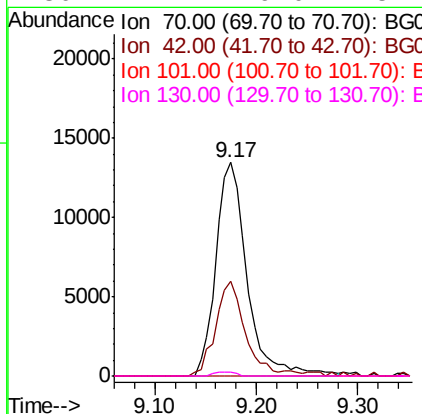
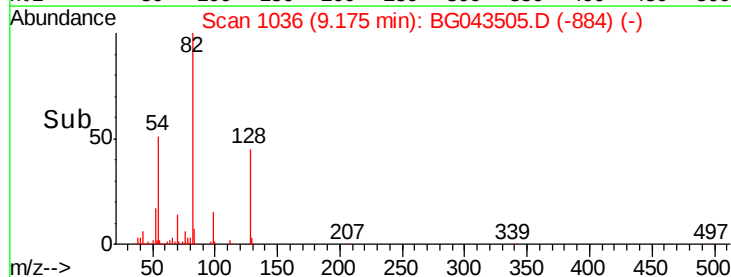
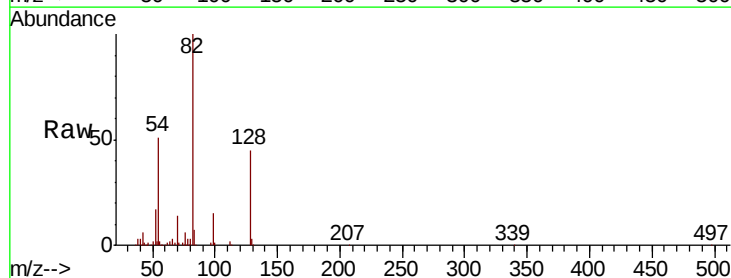
Instrument :
BNA_G
ClientSampled :

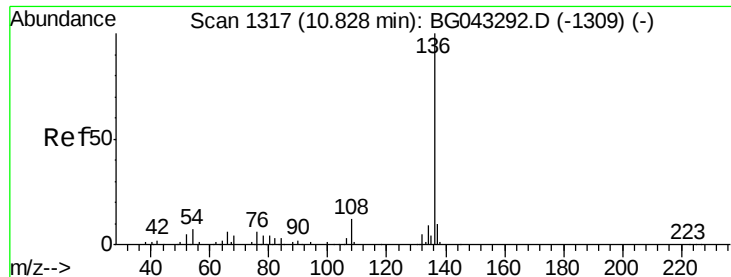
Tot Ion: 94 Resp: 7812
Ion Ratio Lower Upper
94 100
65 33.9 12.6 52.6
66 74.7 30.7 70.7#



#19
n-Nitroso-di-n-propylamine
Concen: 14.543 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion: 70 Resp: 28623
Ion Ratio Lower Upper
70 100
42 44.4 41.4 62.2
101 0.0 7.9 11.9#
130 1.7 19.0 28.4#

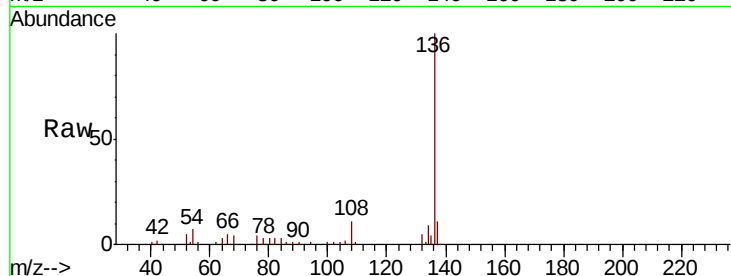




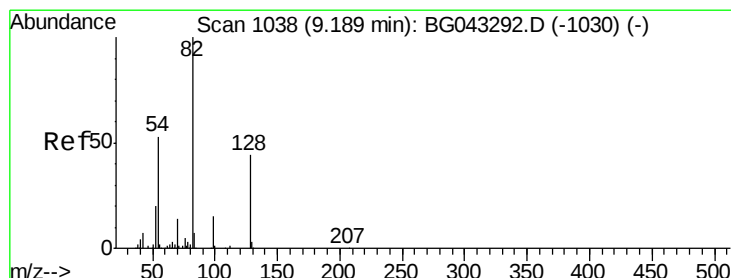
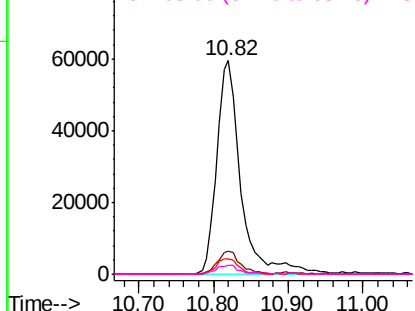
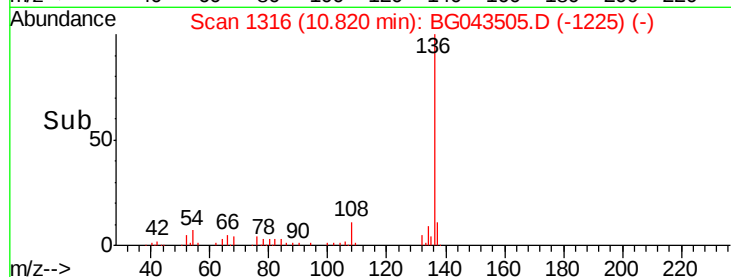
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	133317
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.7 13.1
54	7.2	5.4 8.2
68	4.2	3.0 4.4

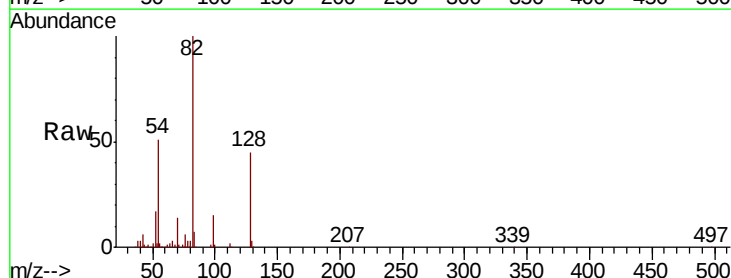


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

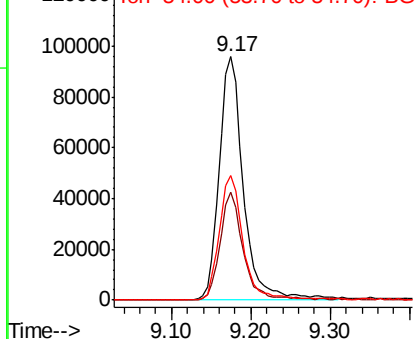
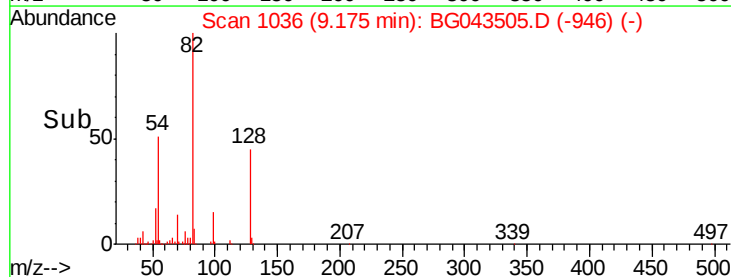


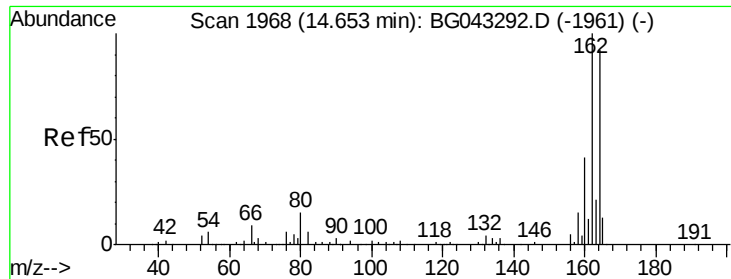
#23
Nitrobenzene-d5
Concen: 78.374 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion: 82	Resp:	202670
Ion	Ratio	Lower Upper
82	100	
128	44.5	35.0 52.6
54	51.2	40.2 60.2



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

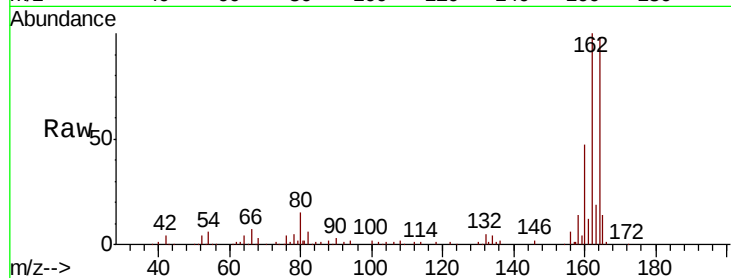




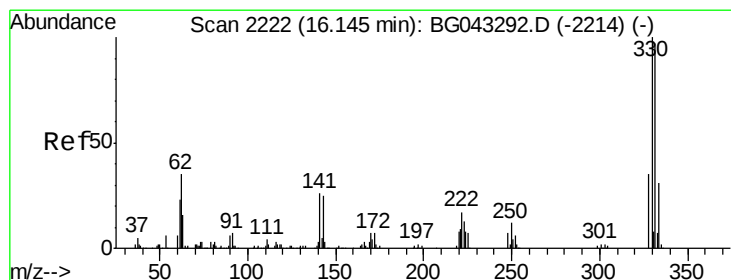
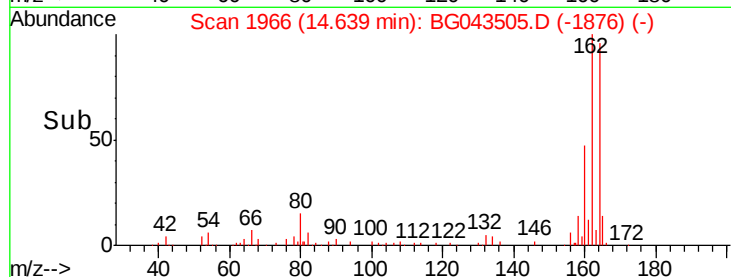
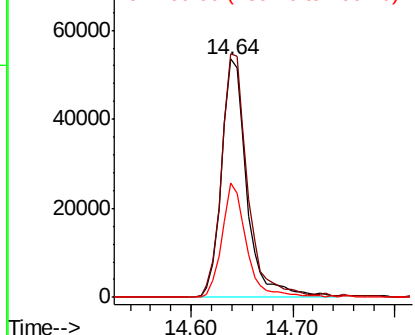
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 93133
Ion Ratio Lower Upper
164 100
162 102.3 83.5 125.3
160 48.2 36.5 54.7

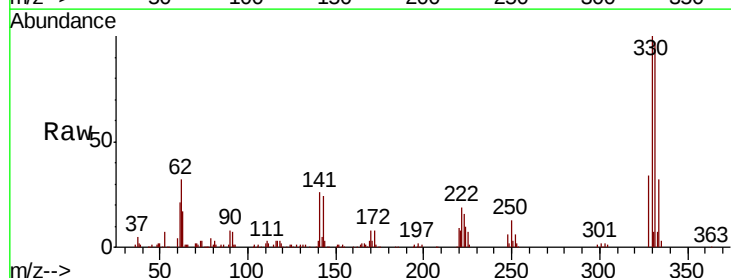


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

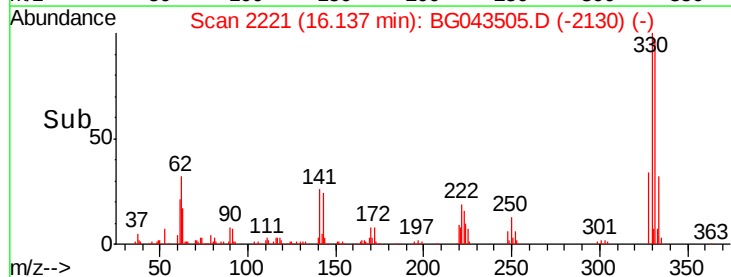
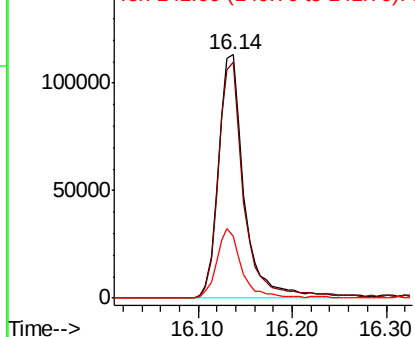


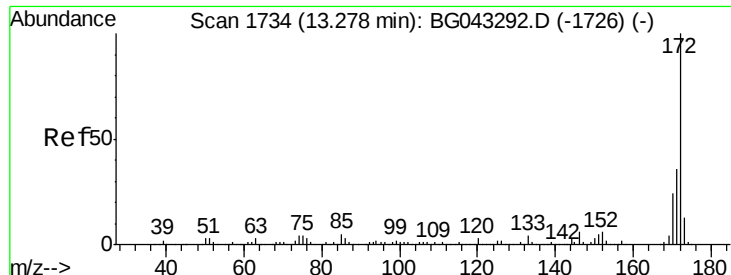
#42
2,4,6-Tribromophenol
Concen: 122.383 ng
RT: 16.14 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion:330 Resp: 216902
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 27.2 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

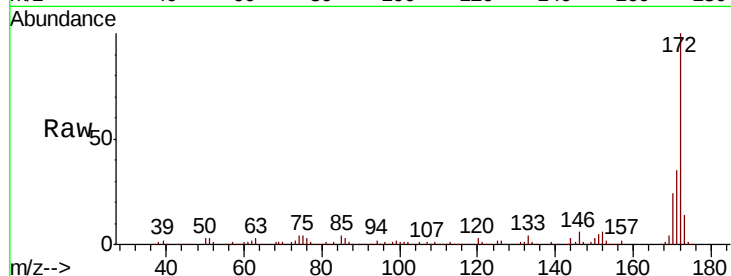




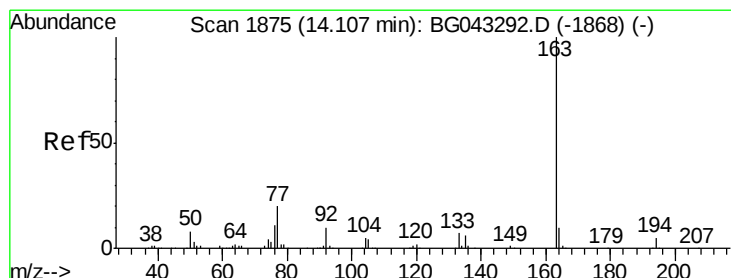
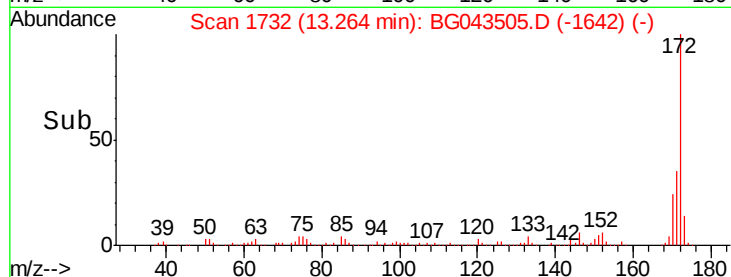
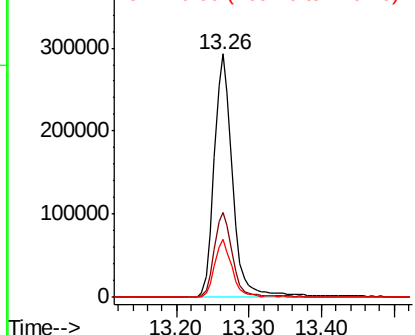
#45
2-Fluorobiphenyl
Concen: 77.274 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 520822
Ion Ratio Lower Upper
172 100
171 35.0 28.9 43.3
170 23.8 18.5 27.7

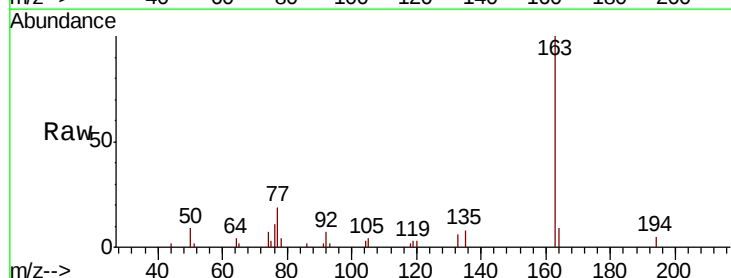


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

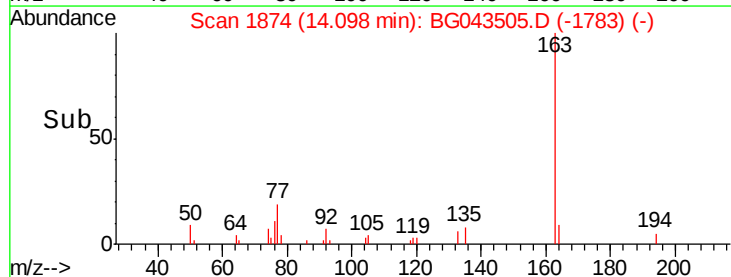
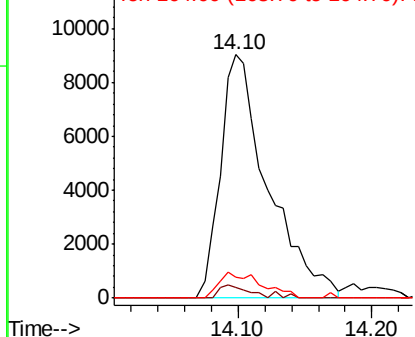


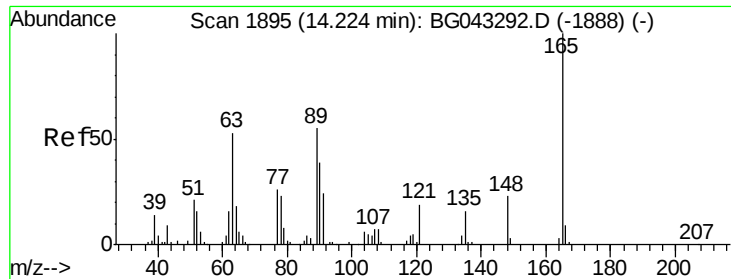
#50
Dimethylphthalate
Concen: 3.112 ng
RT: 14.10 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion:163 Resp: 22447
Ion Ratio Lower Upper
163 100
194 4.5 3.8 5.6
164 8.6 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

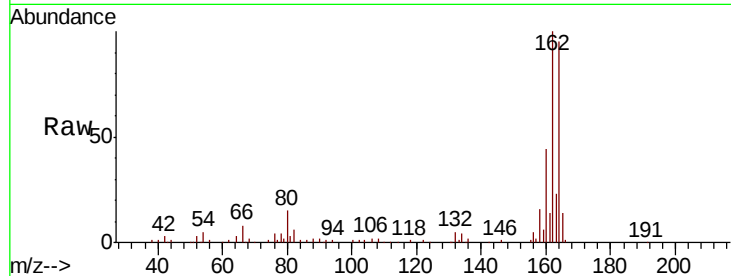




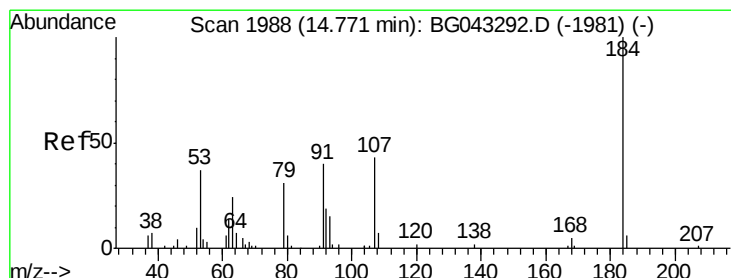
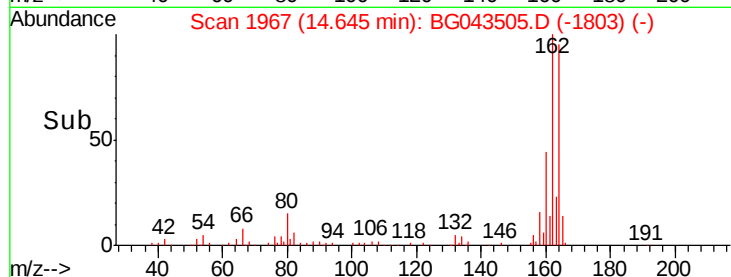
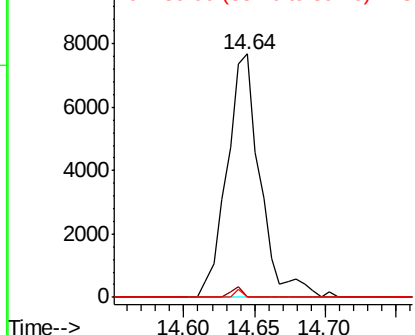
#51
 2,6-Dinitrotoluene
 Concen: 8.027 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043505.D
 Acq: 5 Nov 2019 13:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 12580
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 0.0 45.1 67.7#

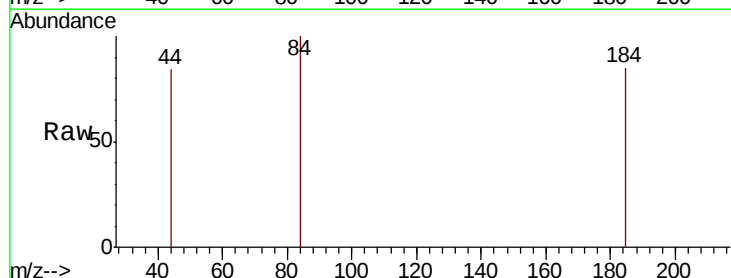


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

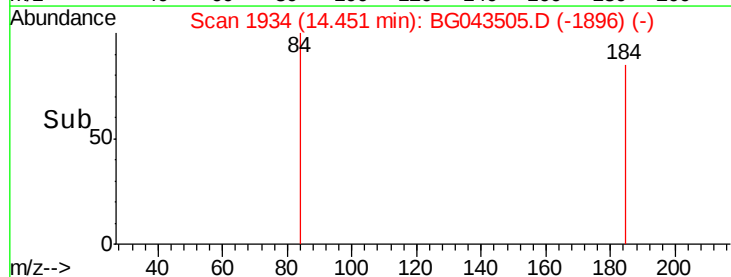
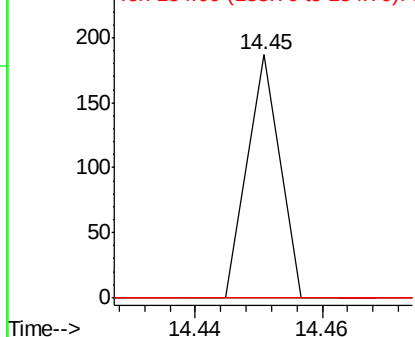


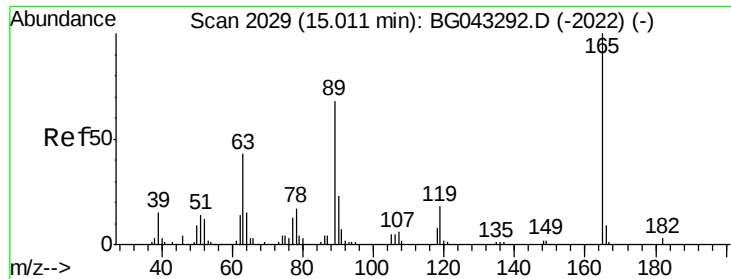
#54
 2,4-Dinitrophenol
 Concen: 7.344 ng
 RT: 14.45 min Scan# 1934
 Delta R.T. -0.31 min
 Lab File: BG043505.D
 Acq: 5 Nov 2019 13:20

Tgt Ion:184 Resp: 66
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.3 76.9#
 154 0.0 55.4 83.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 154.00 (153.70 to 154.70): E

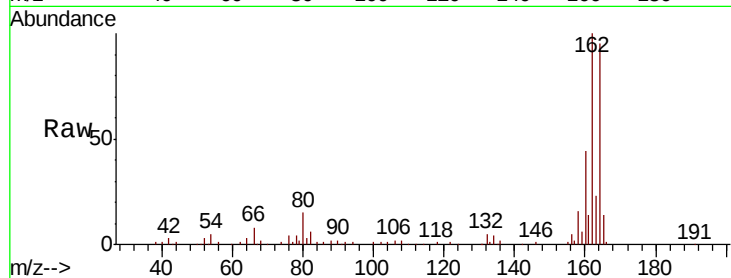




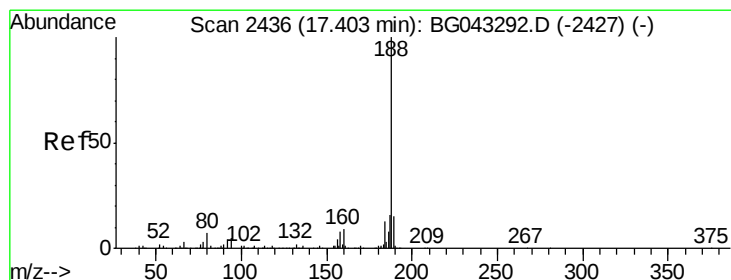
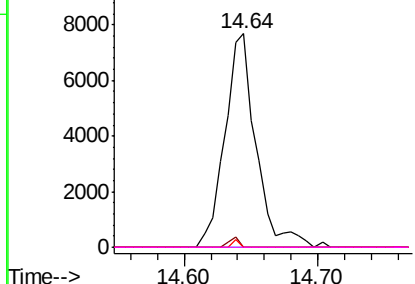
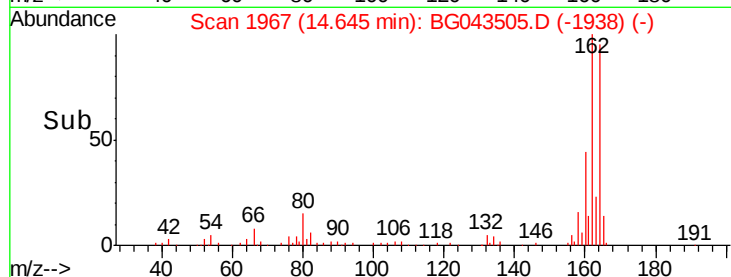
#57
 2,4-Dinitrotoluene
 Concen: 5.617 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043505.D
 Acq: 5 Nov 2019 13:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12581
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#

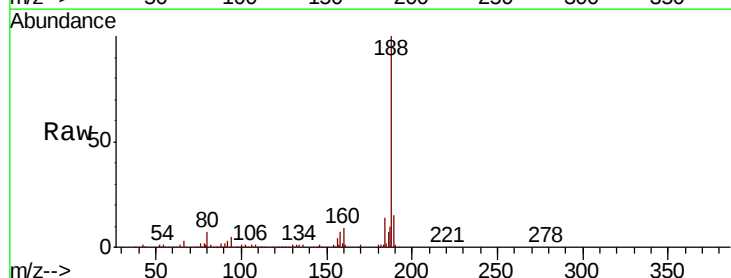


Abundance Ion 165.00 (164.70 to 165.70): E
 12000 Ion 63.00 (62.70 to 63.70): BGC
 10000 Ion 89.00 (88.70 to 89.70): BGC
 8000 Ion 182.00 (181.70 to 182.70): E

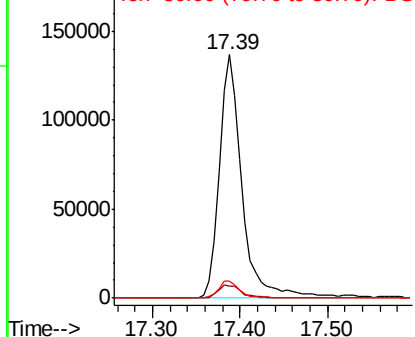
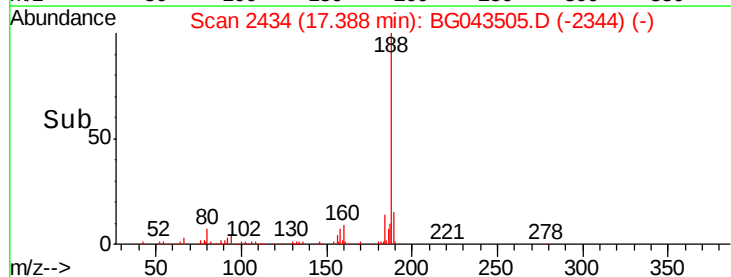


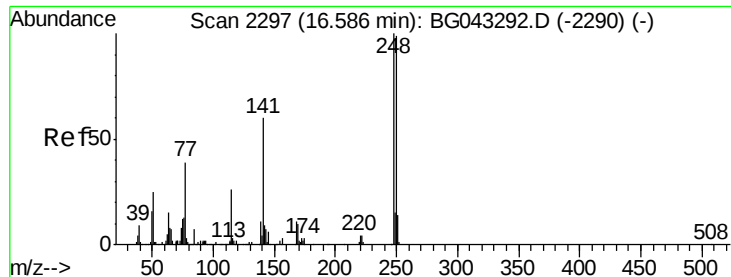
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG043505.D
 Acq: 5 Nov 2019 13:20

Tgt Ion:188 Resp: 244967
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.2 6.4
 80 6.9 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BGC
 100000 Ion 80.00 (79.70 to 80.70): BGC

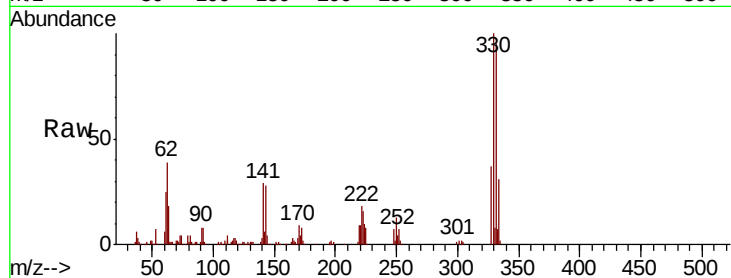




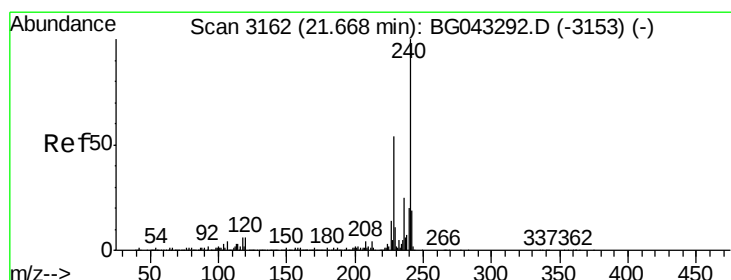
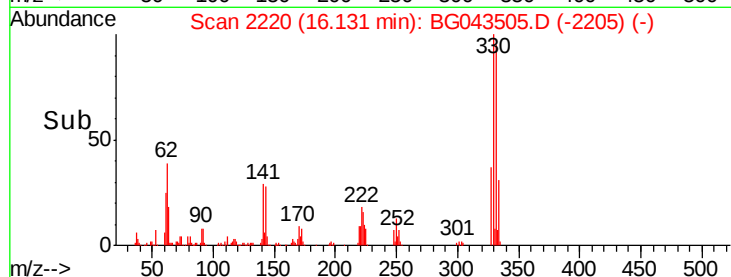
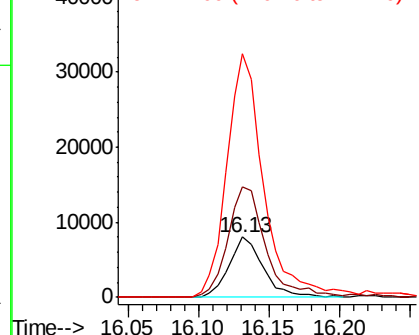
#67
4-Bromophenyl-phenylether
Concen: 4.120 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13583
Ion Ratio Lower Upper
248 100
250 184.9 77.0 115.4#
141 405.7 47.5 71.3#

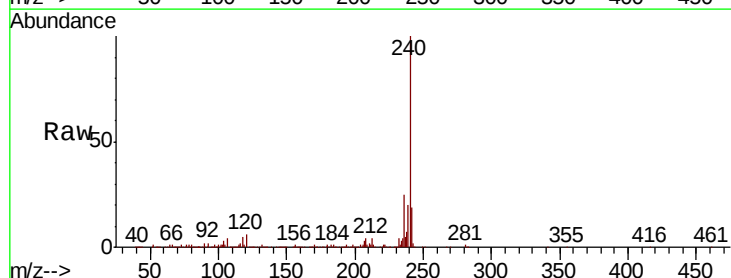


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

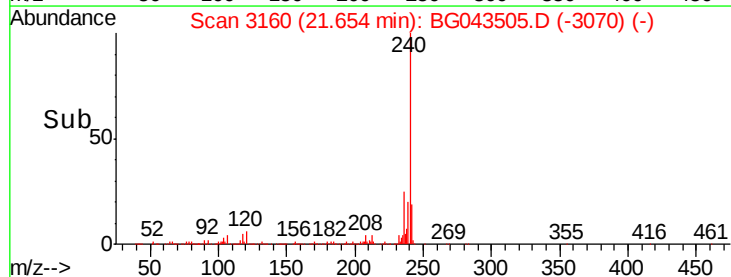
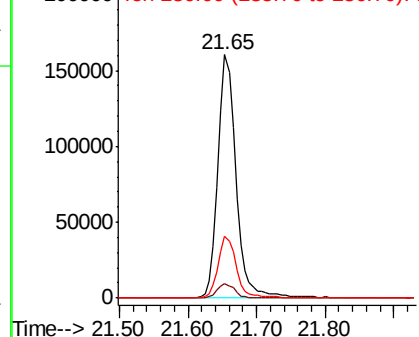


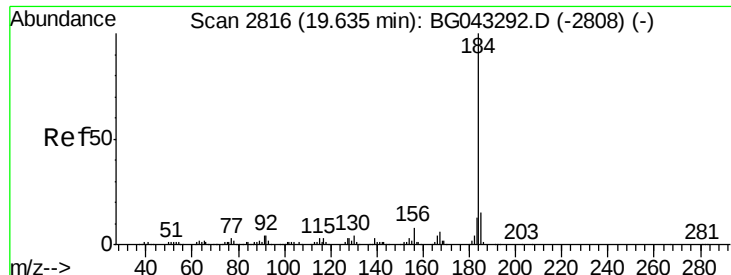
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043505.D
Acq: 5 Nov 2019 13:20

Tgt Ion:240 Resp: 296090
Ion Ratio Lower Upper
240 100
120 5.9 4.6 6.8
236 25.4 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: 3.273 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043505.D

Acq: 5 Nov 2019 13:20

Instrument :

BNA_G

ClientSampleId :

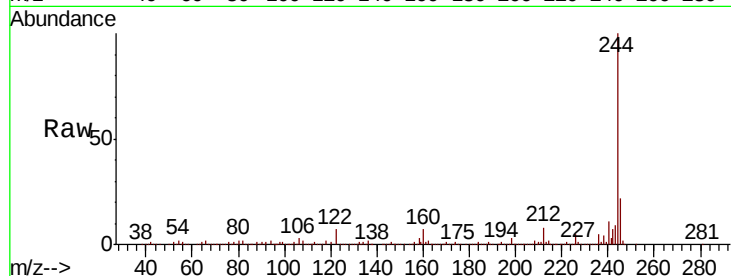
Tot Ion:184 Resp: 19501

Ion Ratio Lower Upper

184 100

185 16.1 11.0 16.4

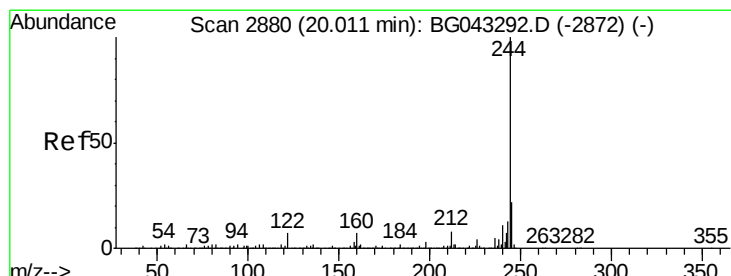
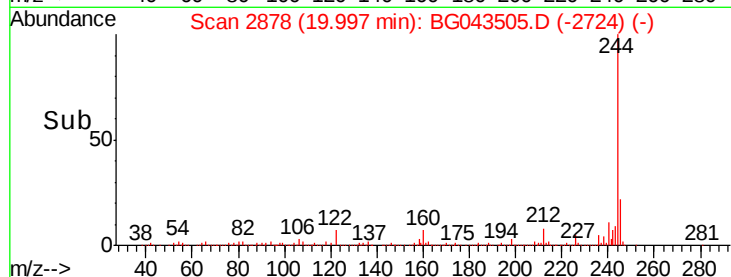
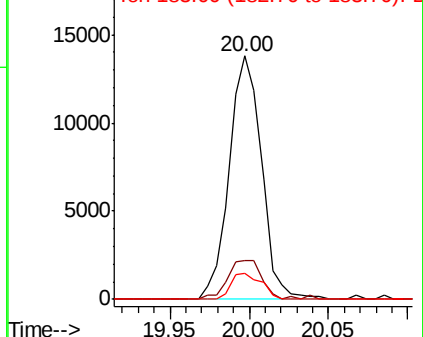
183 10.9 10.0 15.0



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: 85.557 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043505.D

Acq: 5 Nov 2019 13:20

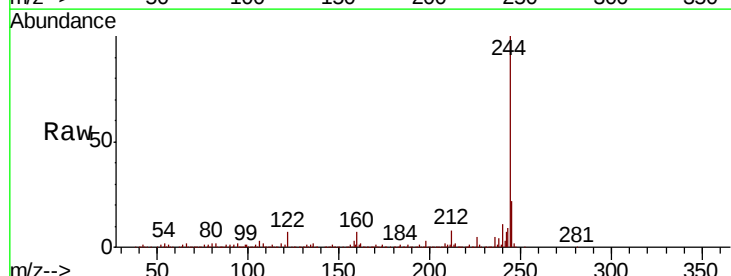
Tgt Ion:244 Resp: 1350311

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

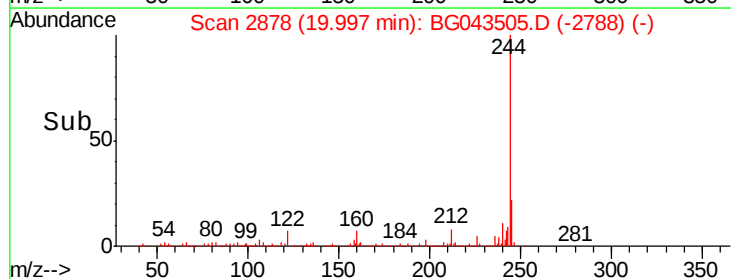
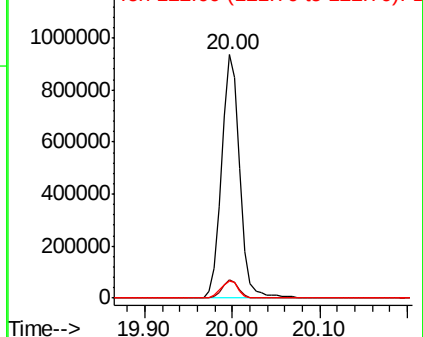
122 7.2 5.4 8.2

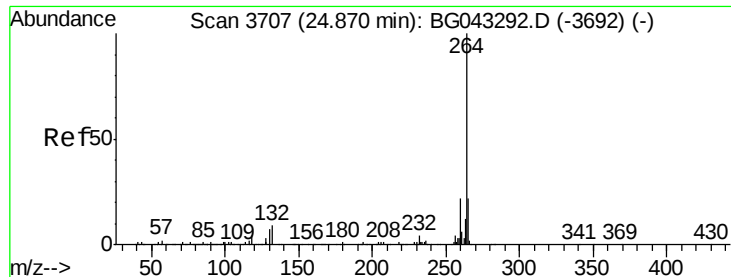


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG043505.D
 Acq: 5 Nov 2019 13:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.5	26.3
265	21.0	17.4	26.0

