

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043720.D
 Acq On : 20 Nov 2019 6:38
 Operator : JU
 Sample : K5665-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 07:58:12 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

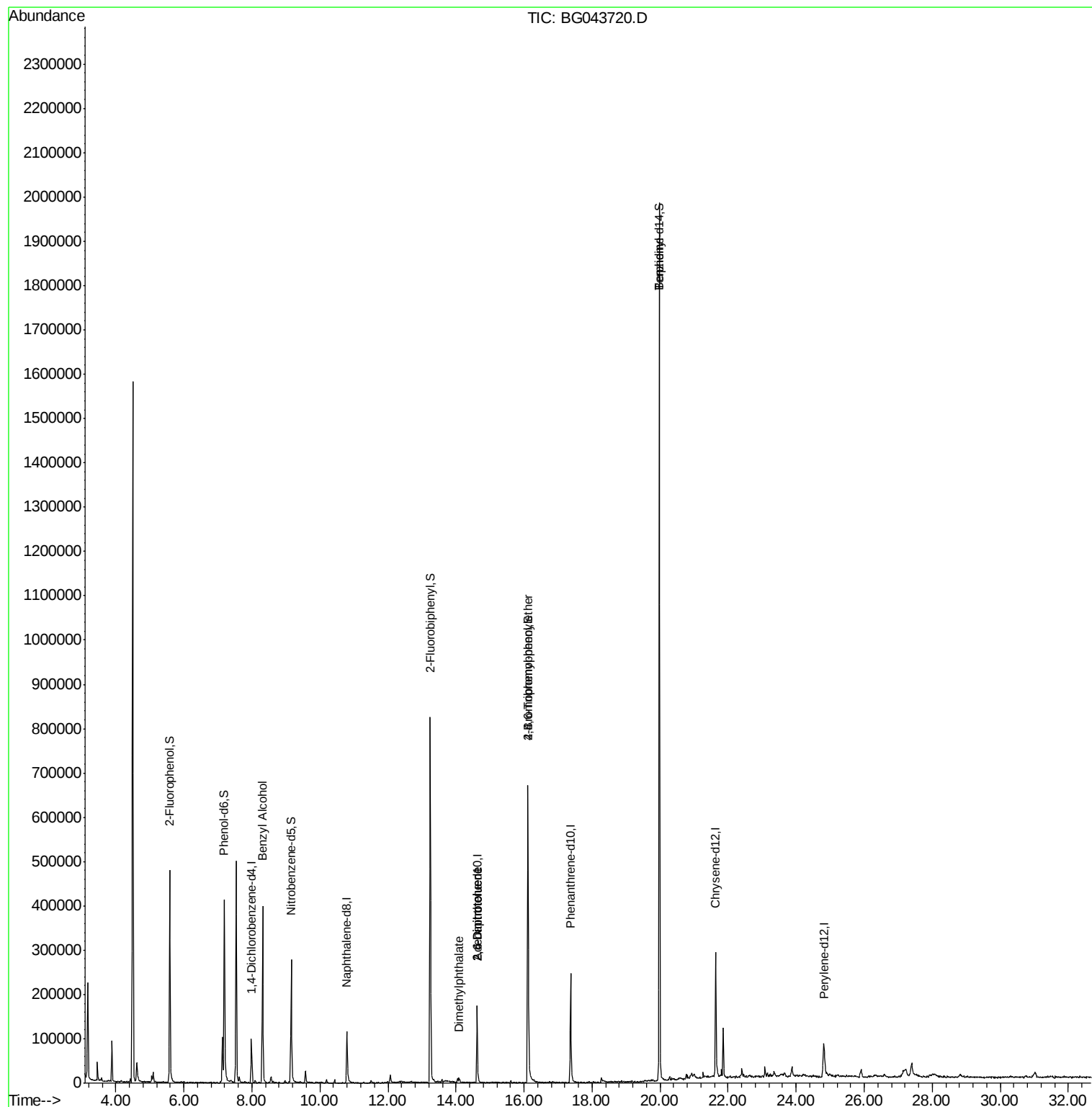
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	29813	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	113584	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	64542	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	200011	20.00	ng	0.00
76) Chrysene-d12	21.63	240	197105	20.00	ng	0.00
87) Perylene-d12	24.81	264	58092	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	220815	135.72	ng	0.00
7) Phenol-d6	7.19	99	261503	111.72	ng	0.00
23) Nitrobenzene-d5	9.15	82	183021	83.07	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	181583	147.84	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	484016	103.62	ng	0.00
79) Terphenyl-d14	19.98	244	1087728	103.53	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.32	79	3851	2.343	ng	# 59
50) Dimethylphthalate	14.08	163	12244	2.449	ng	# 93
51) 2,6-Dinitrotoluene	14.62	165	8436	7.767	ng	# 30
57) 2,4-Dinitrotoluene	14.62	165	8436	5.435	ng	# 30
67) 4-Bromophenyl-phenylether	16.12	248	11746	4.364	ng	# 1
77) Benzidine	19.98	184	15957	4.023	ng	# 93

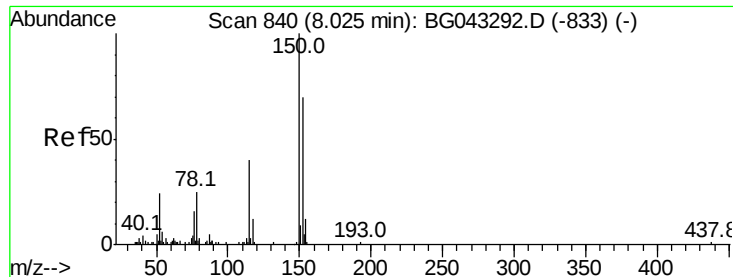
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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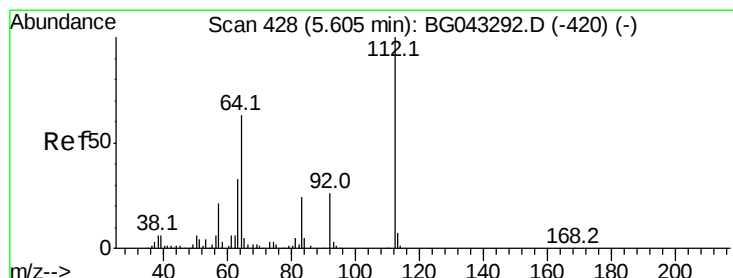
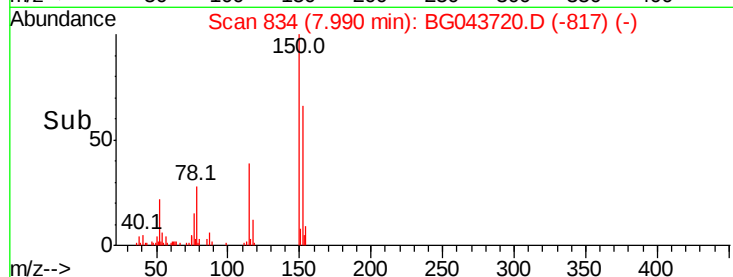
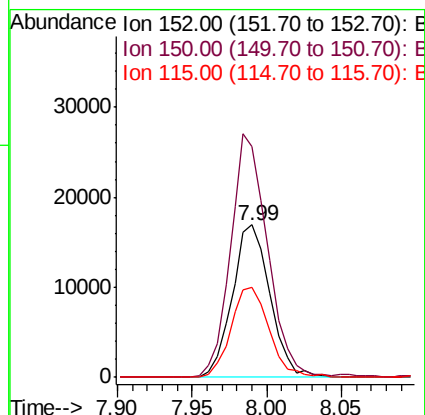
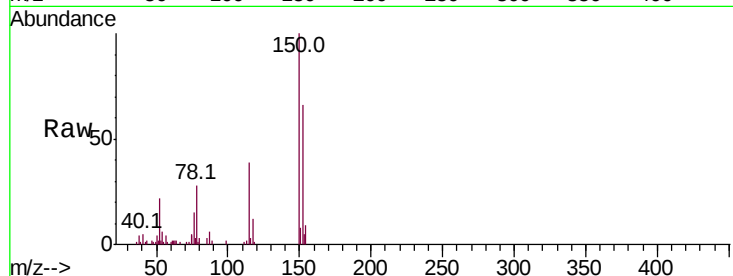


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Instrument :
BNA_G
ClientSampleId :

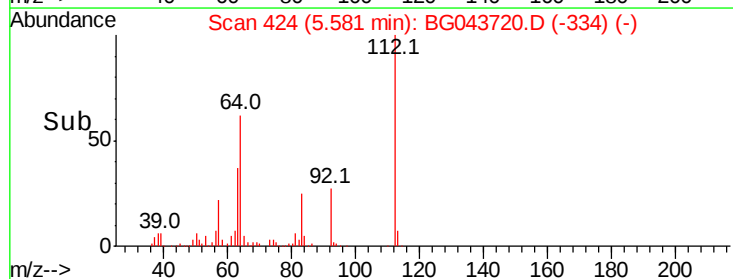
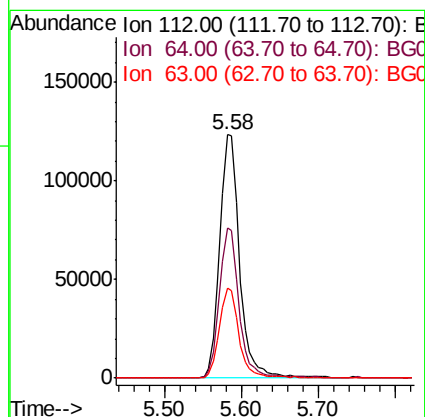
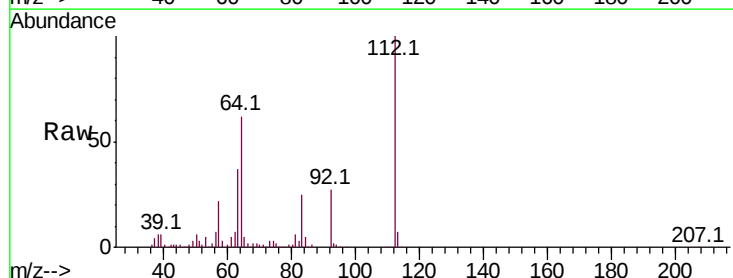
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	116.6	175.0
115	58.8	40.5	60.7

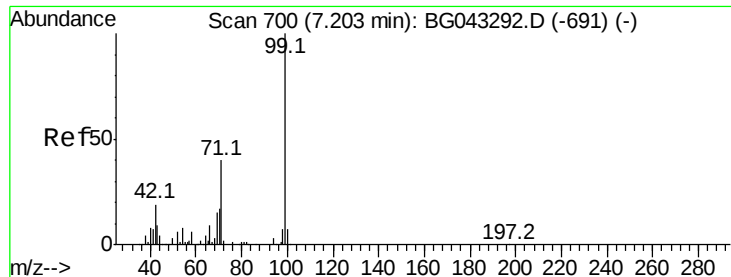


#5

2-Fluorophenol
Concen: 135.723 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	50.6	75.8
63	37.0	30.5	45.7





#7

Phenol-d6

Concen: 111.715 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

Instrument :

BNA_G

ClientSampleId :

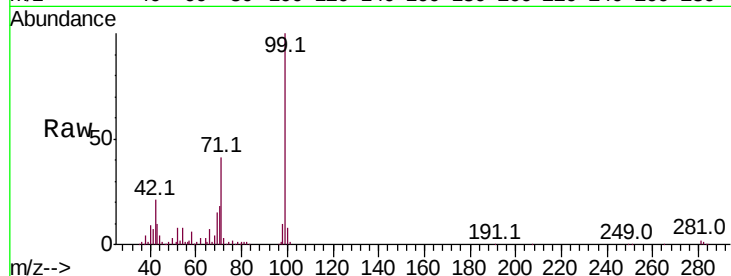
Tot Ion: 99 Resp: 261503

Ion Ratio Lower Upper

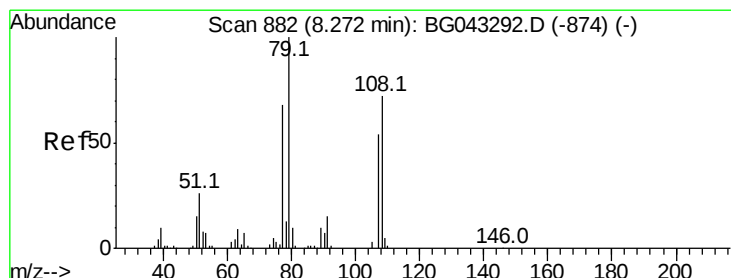
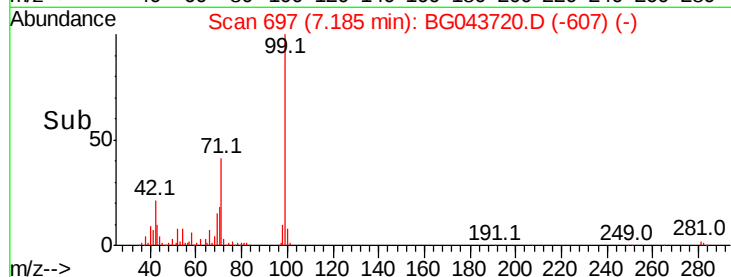
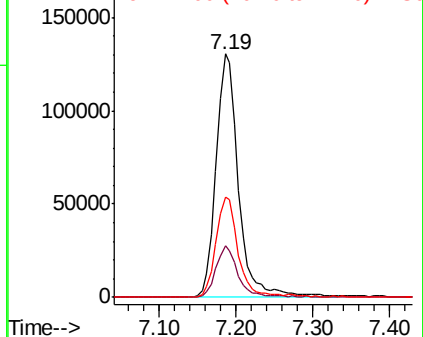
99 100

42 21.0 15.8 23.8

71 41.4 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



#15

Benzyl Alcohol

Concen: 2.343 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.08 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

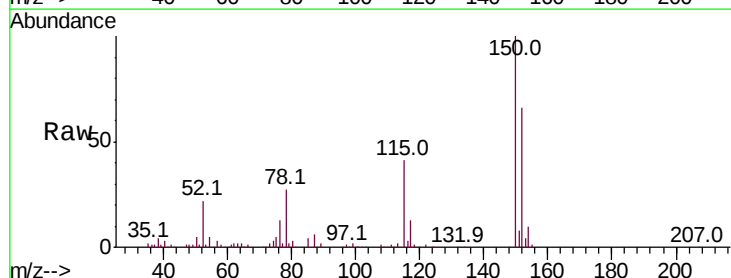
Tgt Ion: 79 Resp: 3851

Ion Ratio Lower Upper

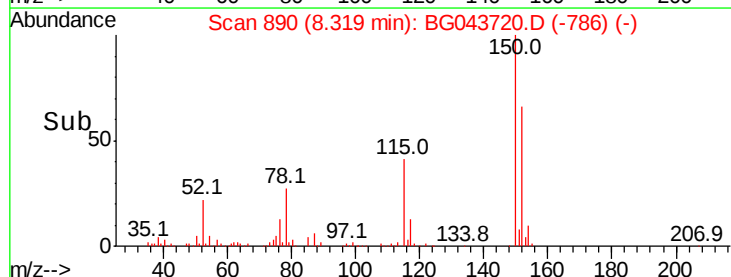
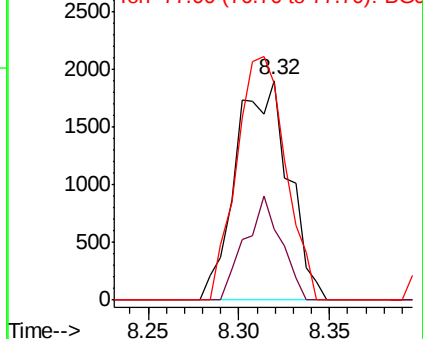
79 100

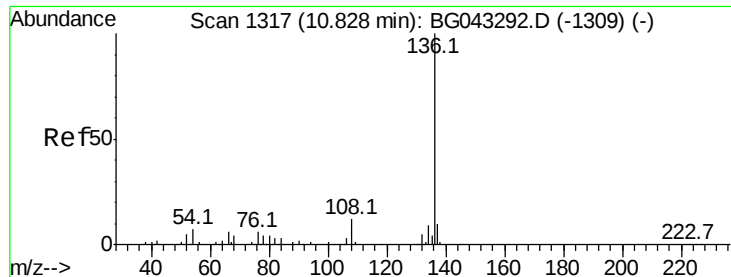
108 44.2 56.0 84.0#

77 98.6 47.9 71.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

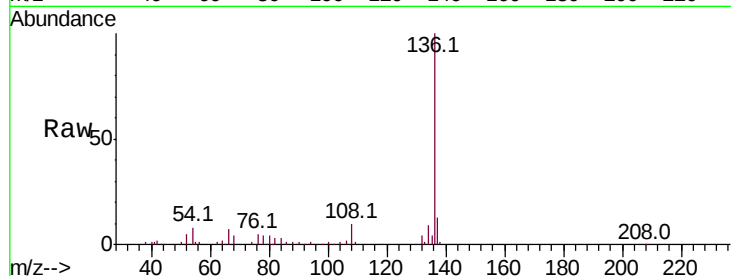




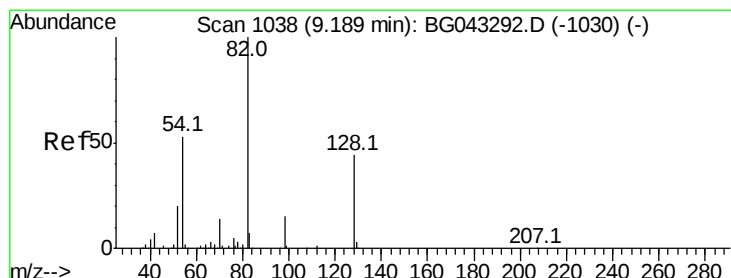
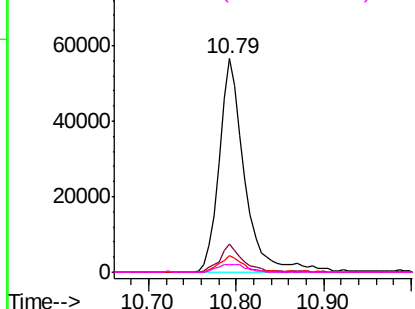
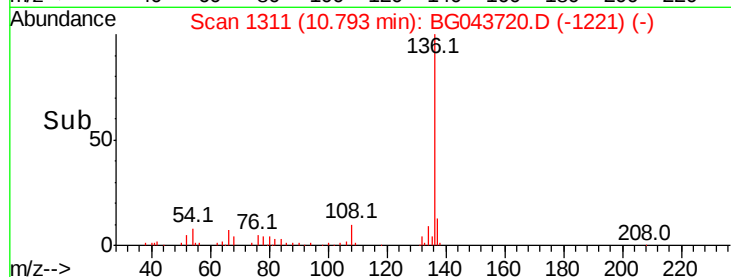
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	113584
Ion Ratio	Lower	Upper
136	100	
137	12.9	8.8 13.2
54	7.6	6.2 9.2
68	3.9	3.4 5.0

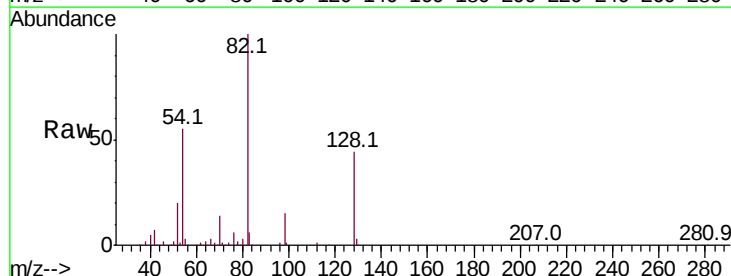


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

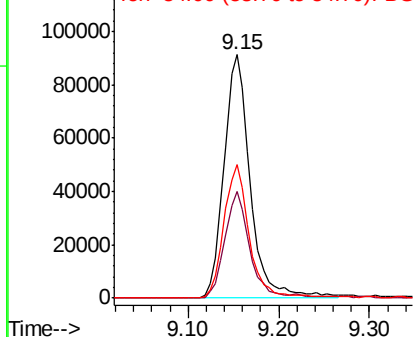
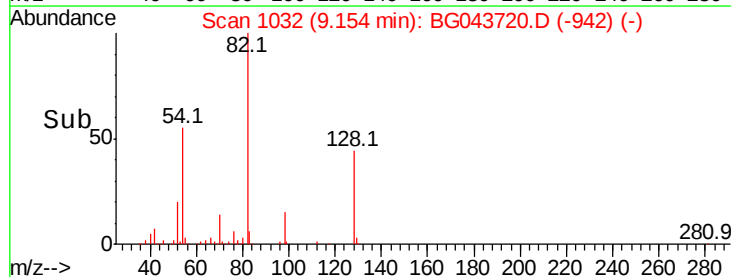


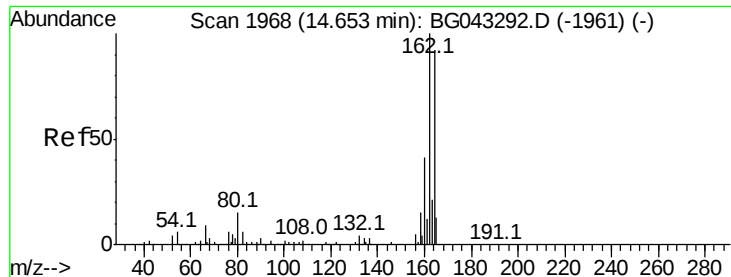
#23
Nitrobenzene-d5
Concen: 83.071 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Tgt Ion: 82	Resp:	183021
Ion Ratio	Lower	Upper
82	100	
128	43.7	34.2 51.4
54	54.7	44.7 67.1



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

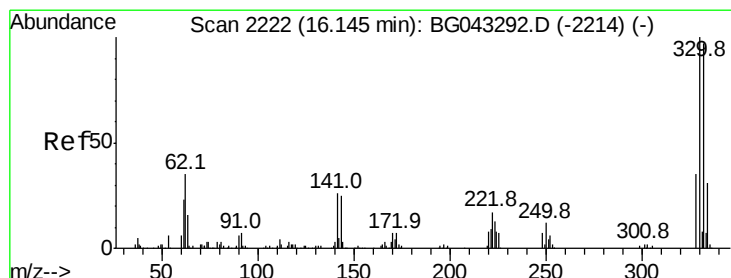
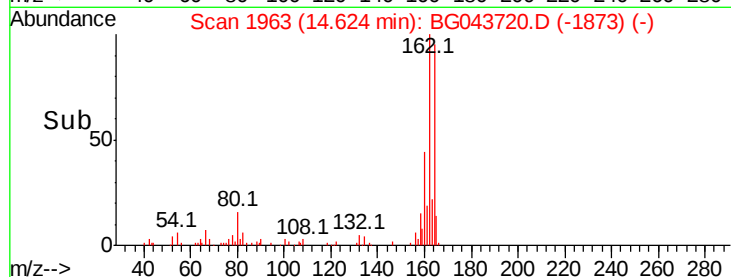
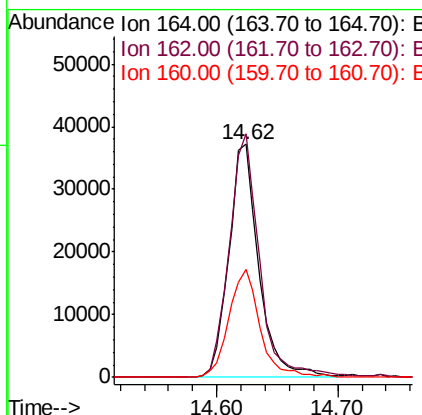
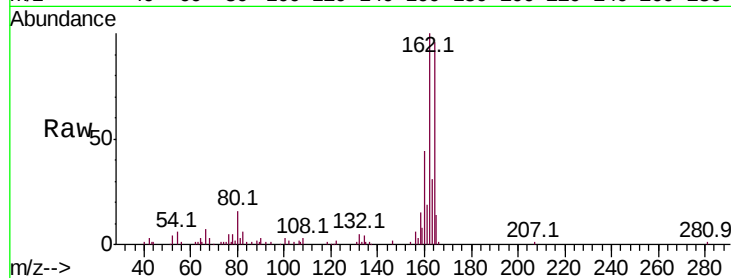




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG043720.D
 Acq: 20 Nov 2019 6:38

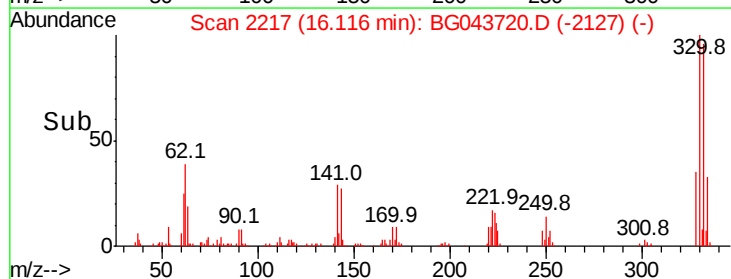
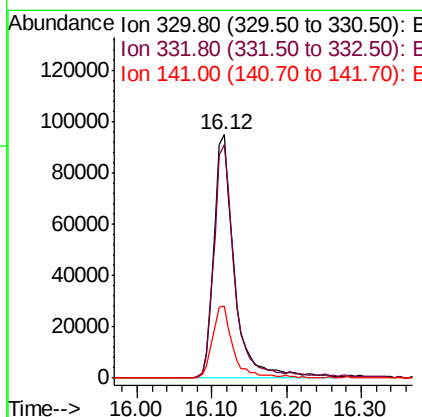
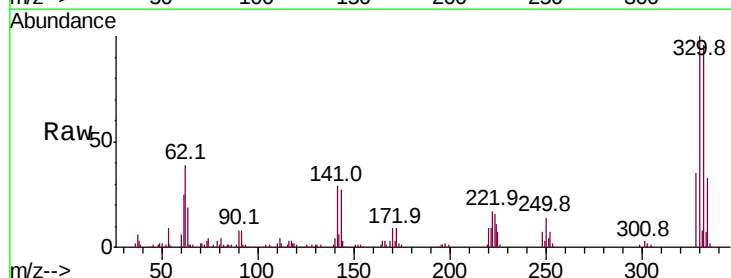
Instrument :
 BNA_G
 ClientSampleId :

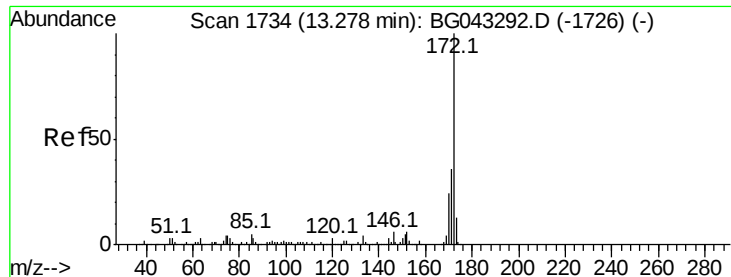
Tot Ion:164 Resp: 64542
 Ion Ratio Lower Upper
 164 100
 162 104.4 79.4 119.2
 160 46.4 36.3 54.5



#42
 2,4,6-Tribromophenol
 Concen: 147.840 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043720.D
 Acq: 20 Nov 2019 6:38

Tgt Ion:330 Resp: 181583
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 28.9 23.4 35.2

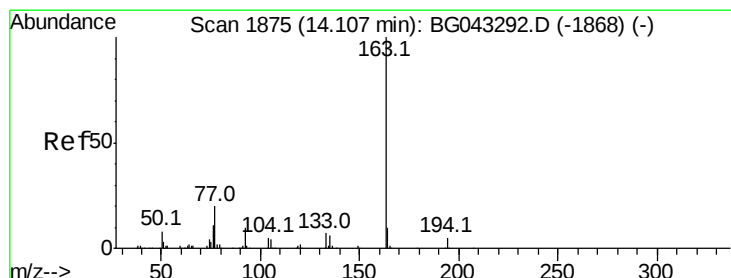
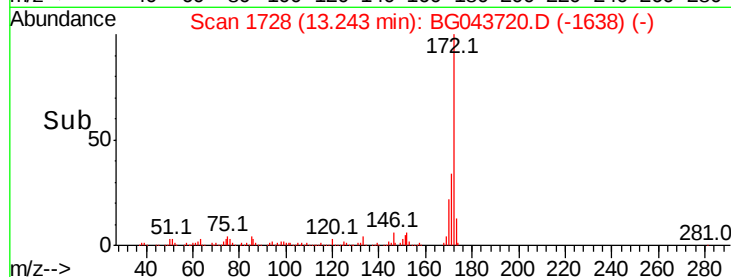
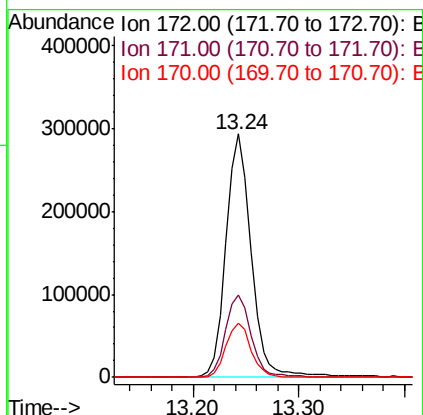
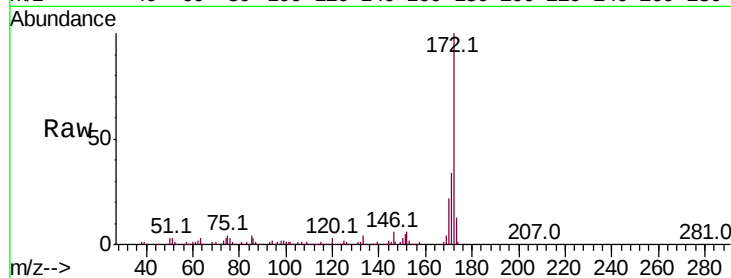




#45
2-Fluorobiphenyl
Concen: 103.625 ng
RT: 13.24 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

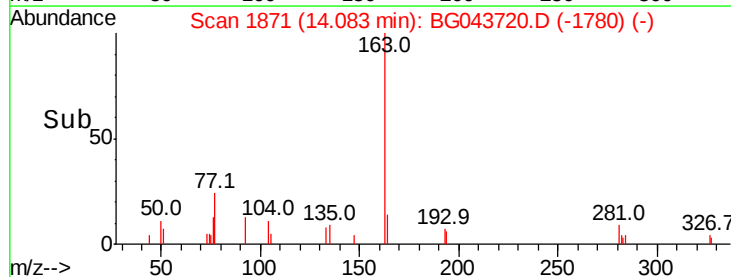
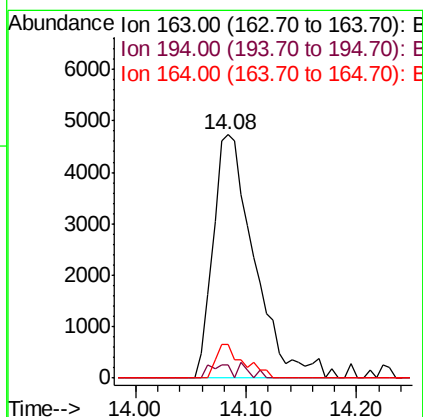
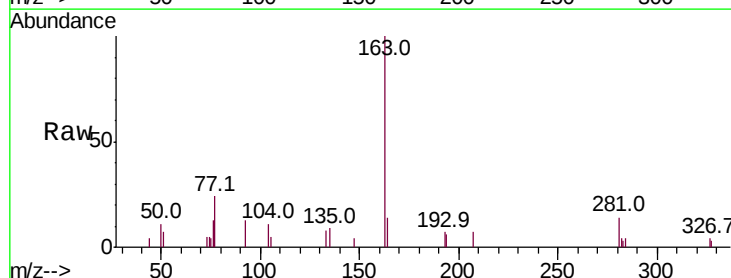
Instrument :
BNA_G
ClientSampleId :

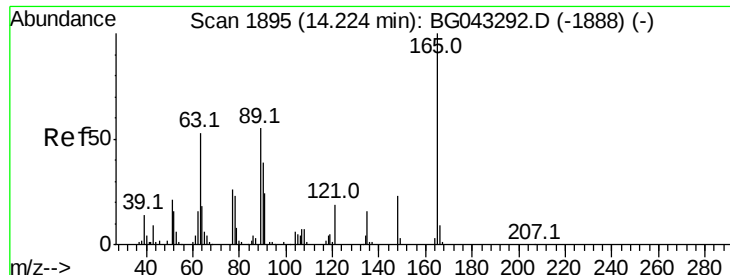
Tot Ion:172 Resp: 484016
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 22.1 18.8 28.2



#50
Dimethylphthalate
Concen: 2.449 ng
RT: 14.08 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Tgt Ion:163 Resp: 12244
Ion Ratio Lower Upper
163 100
194 5.6 3.8 5.8
164 13.9 8.5 12.7#

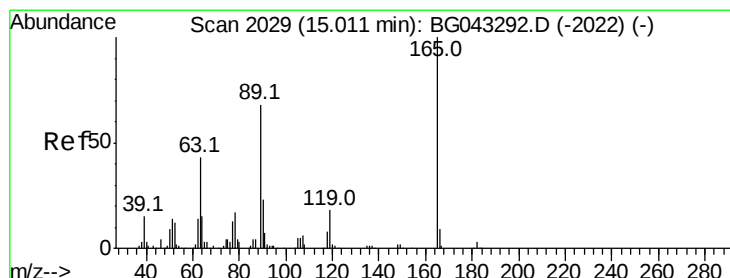
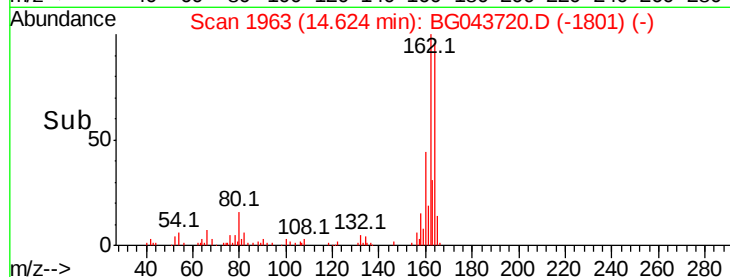
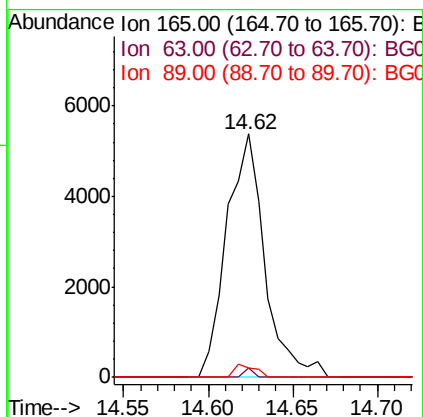
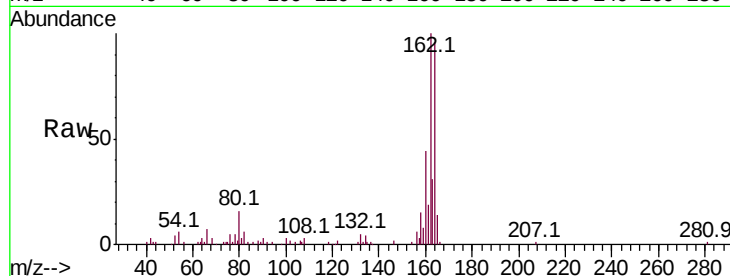




#51
2,6-Dinitrotoluene
Concen: 7.767 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.42 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

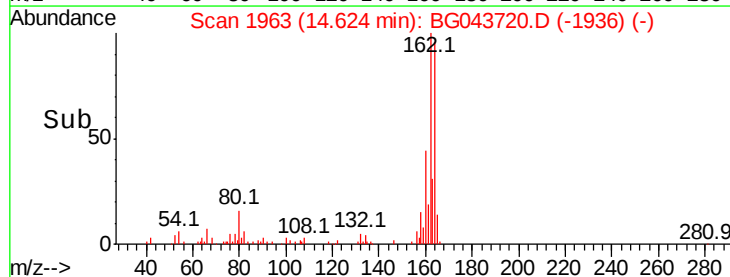
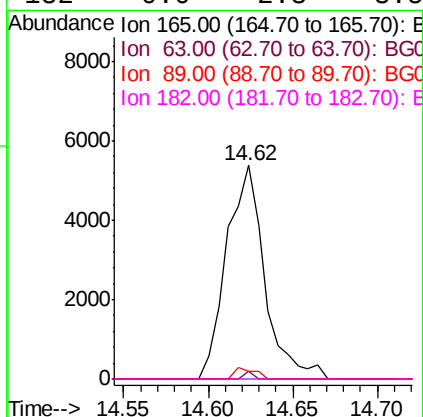
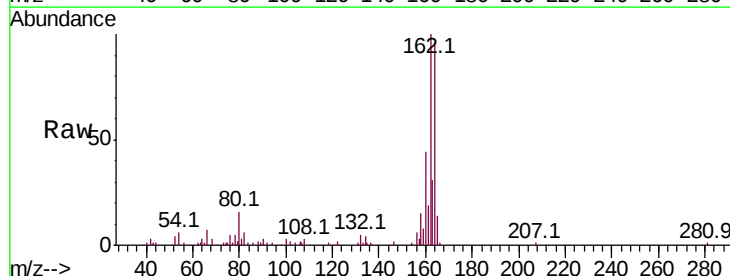
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BNA_G
ClientSampleId :

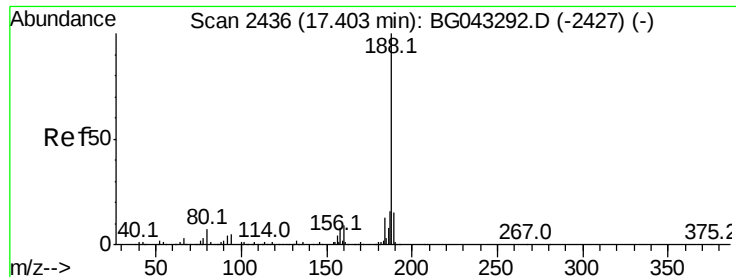
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.7	45.0	67.6#
89	3.6	39.8	59.8#



#57
2,4-Dinitrotoluene
Concen: 5.435 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.37 min
Lab File: BG043720.D
Acq: 20 Nov 2019 6:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.7	37.4	56.0#
89	3.6	50.9	76.3#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

Instrument :

BNA_G

ClientSampleId :

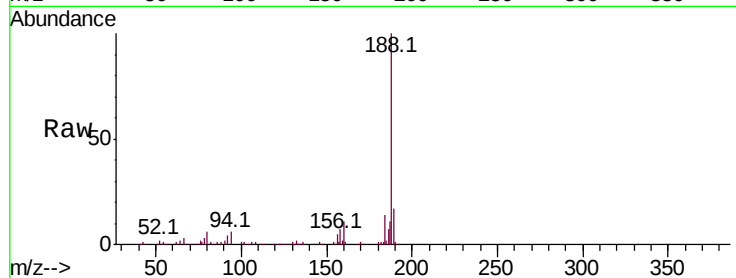
Tot Ion:188 Resp: 200011

Ion Ratio Lower Upper

188 100

94 6.0 4.6 7.0

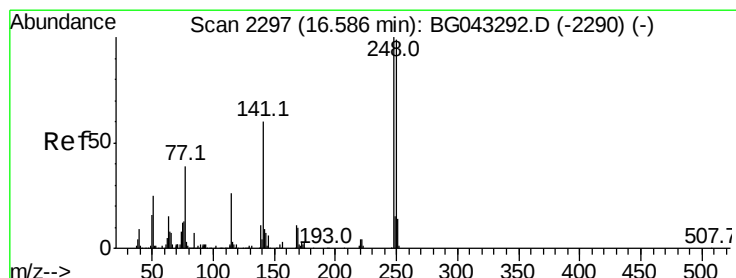
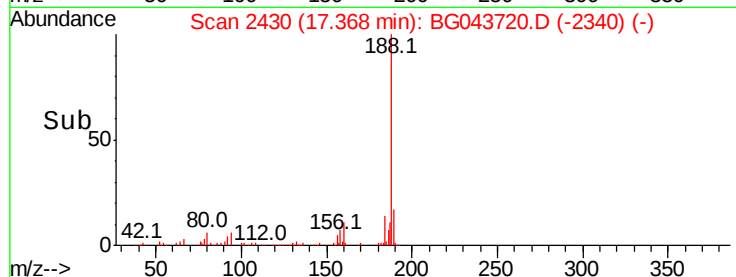
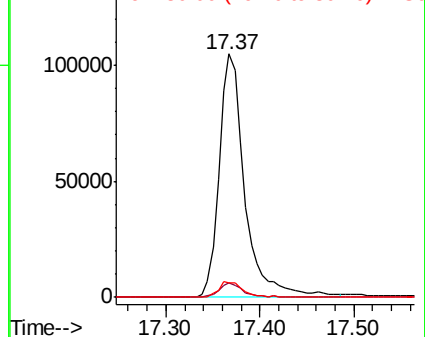
80 5.9 5.2 7.8



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: 4.364 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

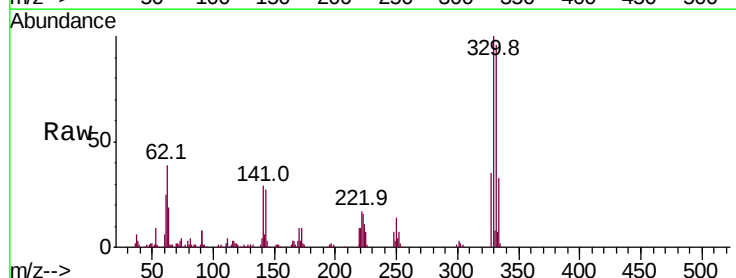
Tgt Ion:248 Resp: 11746

Ion Ratio Lower Upper

248 100

250 186.0 76.3 114.5#

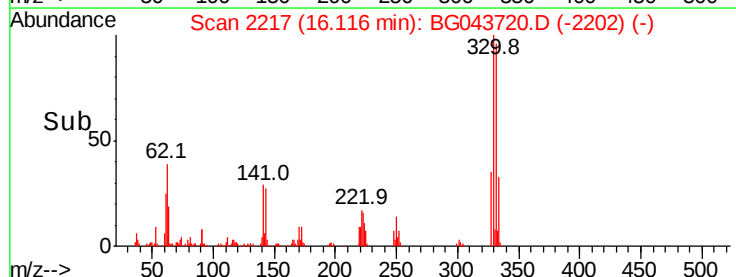
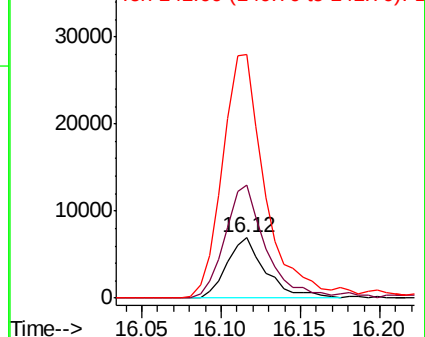
141 402.6 49.5 74.3#

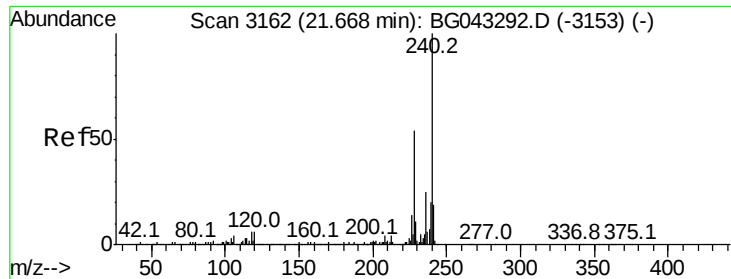


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

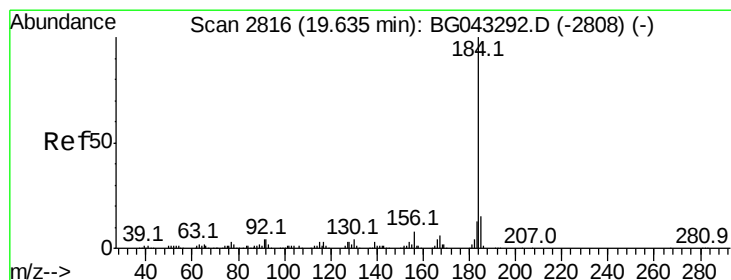
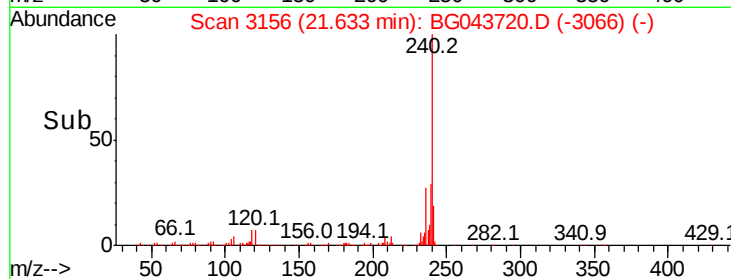
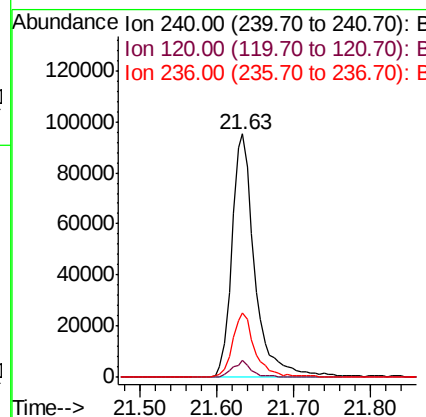
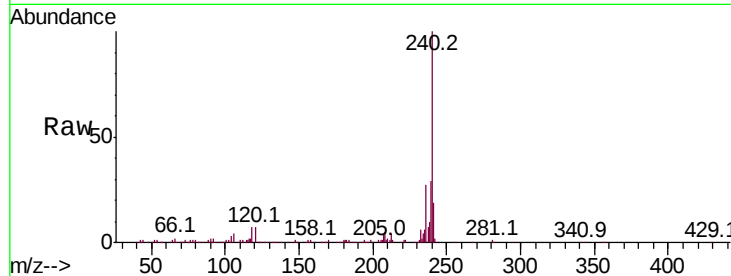




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: BG043720.D
 Acq: 20 Nov 2019 6:38

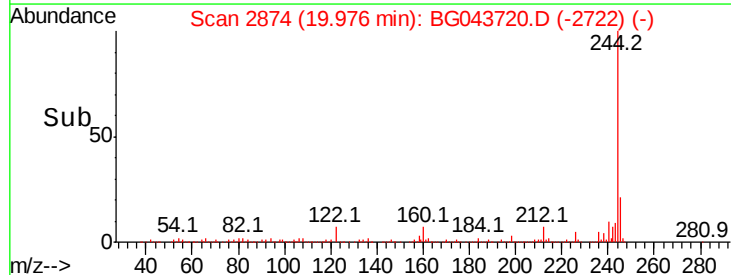
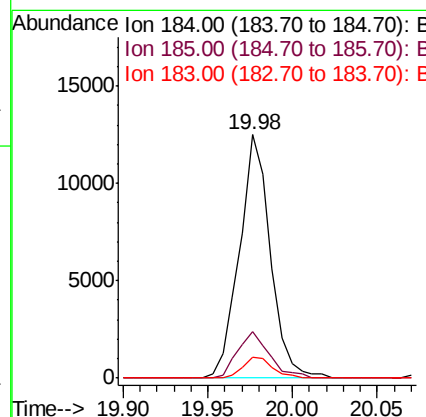
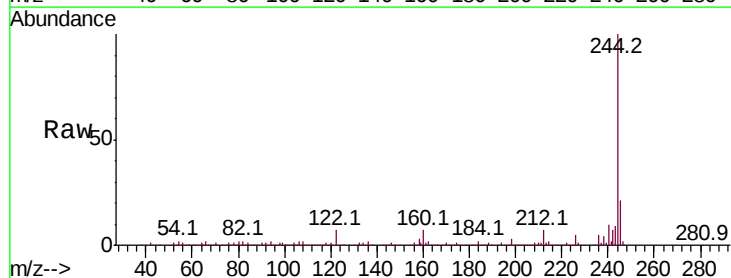
Instrument :
 BNA_G
 ClientSampleId :

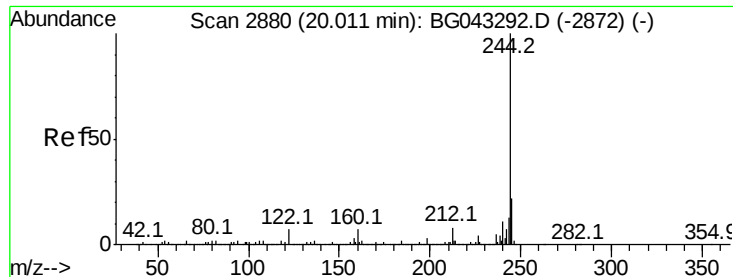
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	4.9	7.3
236	26.5	21.4	32.0



#77
 Benzidine
 Concen: 4.023 ng
 RT: 19.98 min Scan# 2874
 Delta R.T. 0.36 min
 Lab File: BG043720.D
 Acq: 20 Nov 2019 6:38

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.1	12.7	19.1#
183	8.8	8.8	13.2#





#79

Terphenyl-d14

Concen: 103.531 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

Instrument :

BNA_G

ClientSampleId :

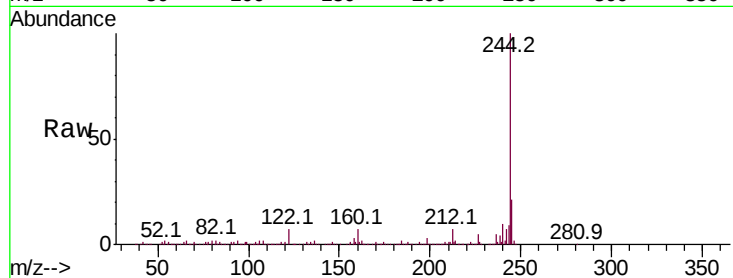
Tot Ion:244 Resp: 1087728

Ion Ratio Lower Upper

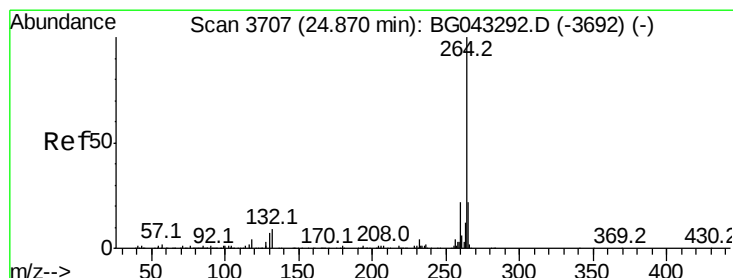
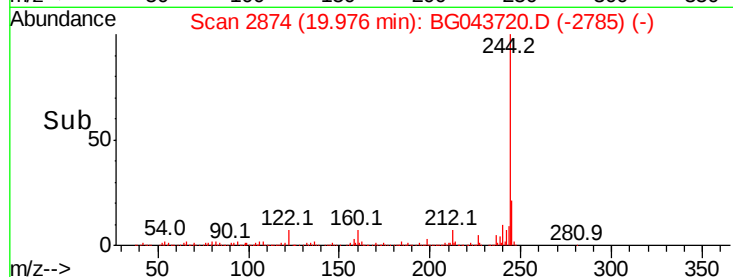
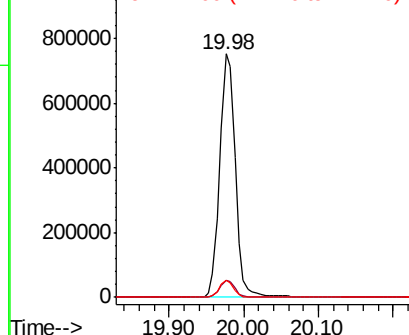
244 100

212 7.1 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: 24.81 min Scan# 3697

Delta R.T. 0.00 min

Lab File: BG043720.D

Acq: 20 Nov 2019 6:38

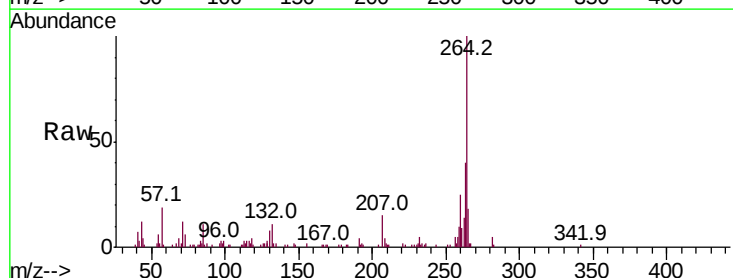
Tgt Ion:264 Resp: 58092

Ion Ratio Lower Upper

264 100

260 25.2 18.4 27.6

265 18.2 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

