

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043456.D
 Acq On : 1 Nov 2019 6:44
 Operator : JU
 Sample : PB124468TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 07:59:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	39888	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	146048	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	111607	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	270353	20.00	ng	0.00
76) Chrysene-d12	21.66	240	276925	20.00	ng	0.00
87) Perylene-d12	24.86	264	325703	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	263633	121.11	ng	0.00
7) Phenol-d6	7.21	99	396513	126.61	ng	0.00
23) Nitrobenzene-d5	9.18	82	256430	90.52	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	268744	126.53	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	691306	85.59	ng	0.00
79) Terphenyl-d14	20.00	244	1373078	93.02	ng	0.00

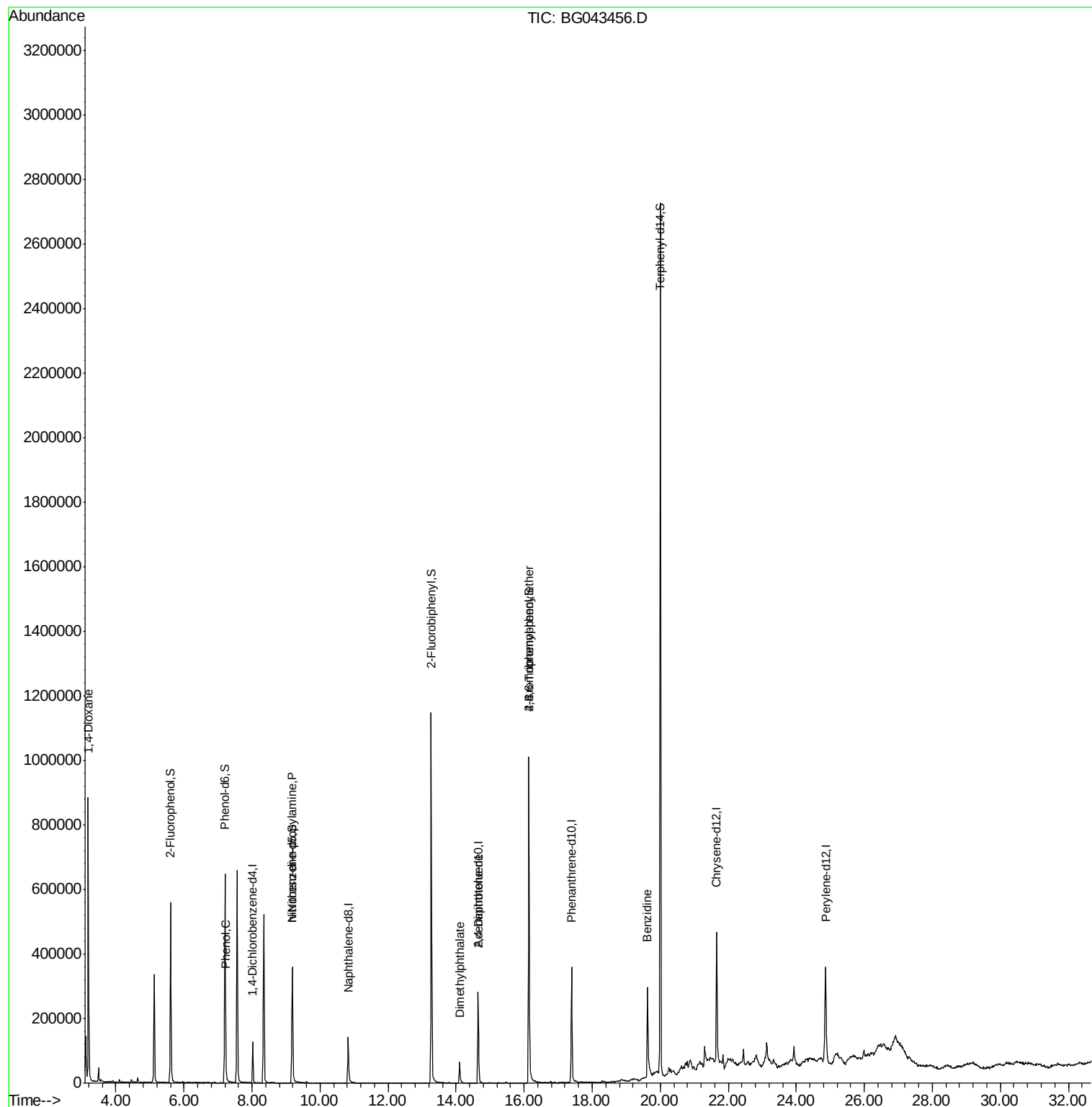
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	7612	8.974	ng	# 1
10) Phenol	7.23	94	6066	2.120	ng	# 32
19) n-Nitroso-di-n-propylamine	9.18	70	36032	17.805	ng	# 78
50) Dimethylphthalate	14.10	163	63940	7.396	ng	# 97
57) 2,4-Dinitrotoluene	14.64	165	14258	5.312	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	16223	4.459	ng	# 1
77) Benzidine	19.63	184	242551	43.521	ng	# 99

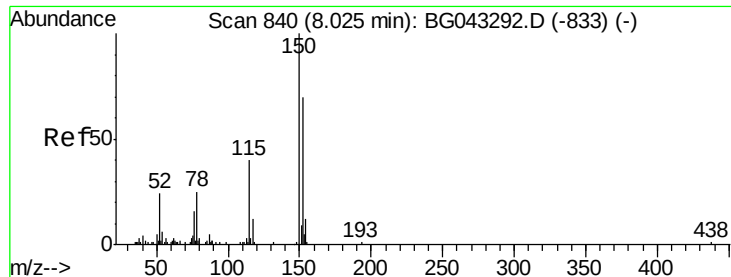
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

Instrument :

BNA_G

ClientSampleId :

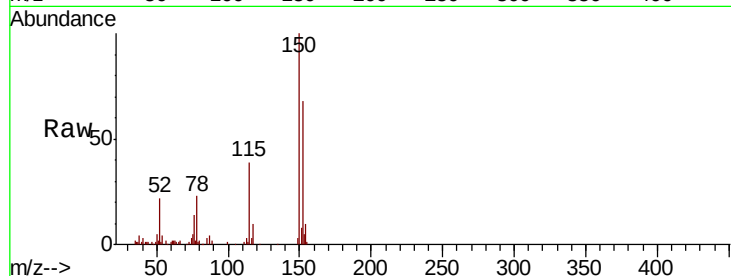
Tot Ion:152 Resp: 39888

Ion Ratio Lower Upper

152 100

150 147.6 113.6 170.4

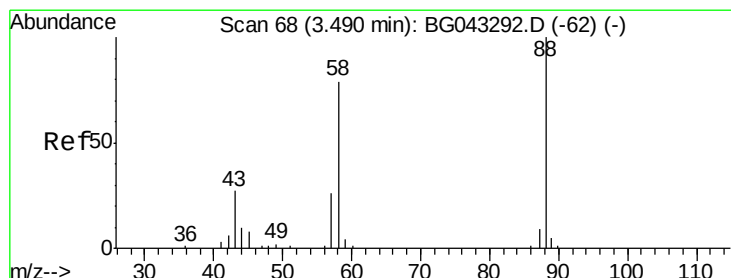
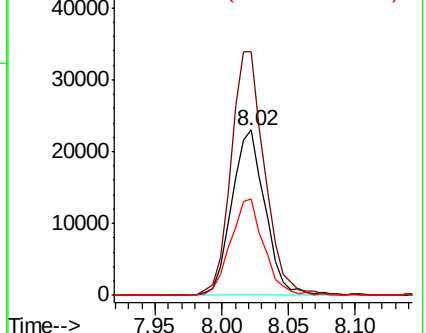
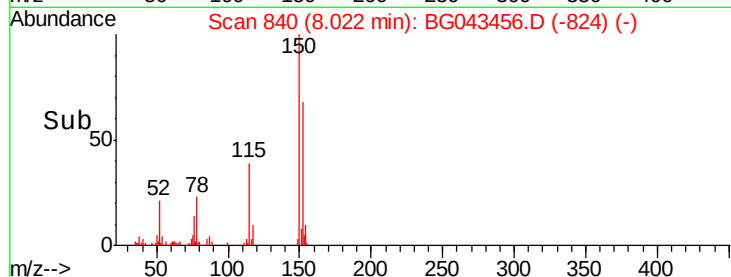
115 58.1 45.9 68.9



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: 8.974 ng

RT: 3.19 min Scan# 17

Delta R.T. -0.30 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

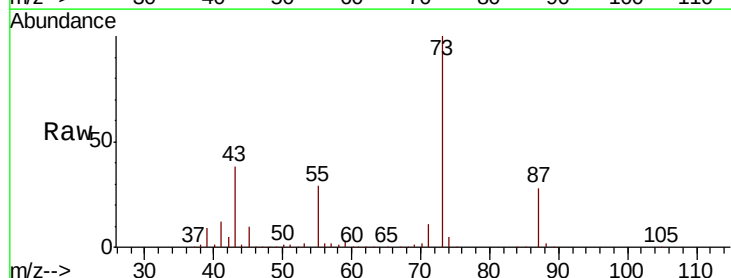
Tgt Ion: 88 Resp: 7612

Ion Ratio Lower Upper

88 100

58 33.6 60.2 90.2#

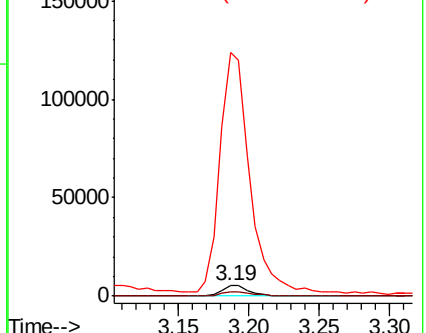
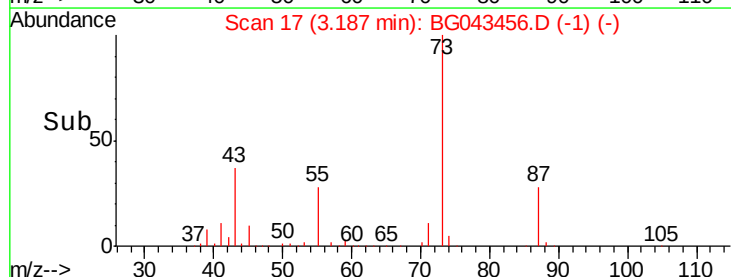
43 2347.8 22.7 34.1#

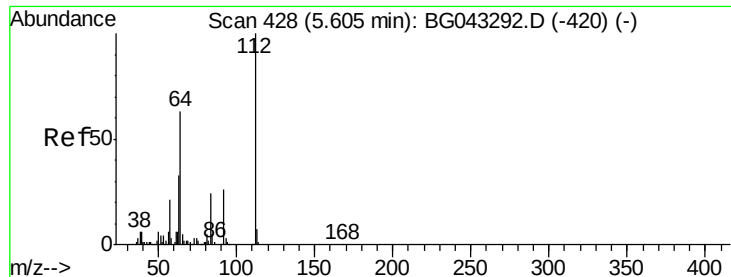


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 121.113 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

Instrument :

BNA_G

ClientSampleId :

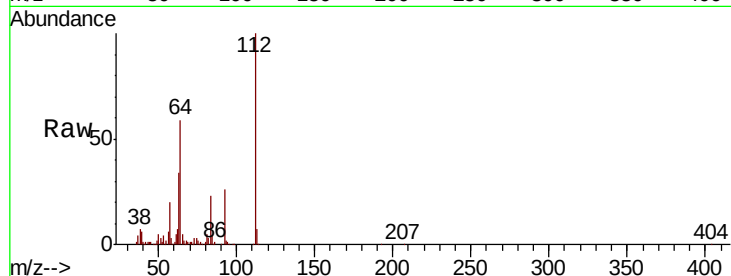
Tot Ion:112 Resp: 263633

Ion Ratio Lower Upper

112 100

64 59.3 50.2 75.2

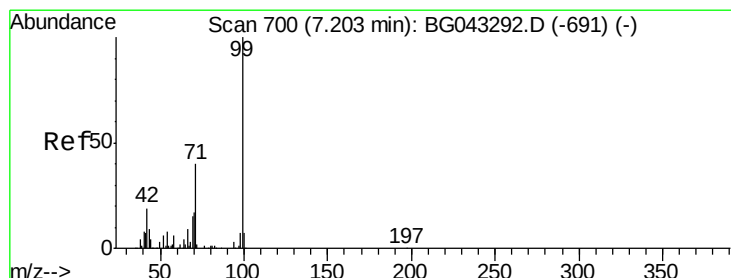
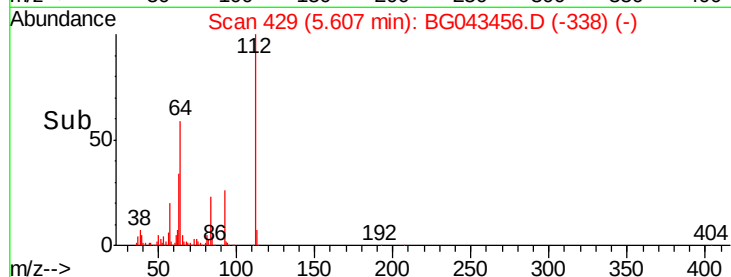
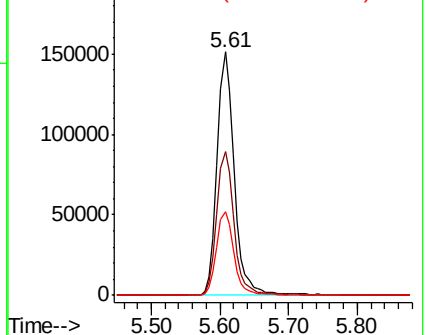
63 34.2 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.607 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

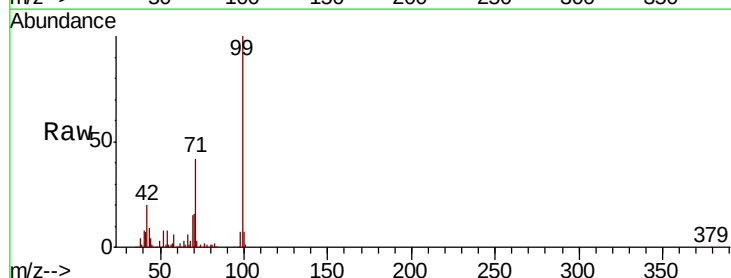
Tgt Ion: 99 Resp: 396513

Ion Ratio Lower Upper

99 100

42 19.8 14.9 22.3

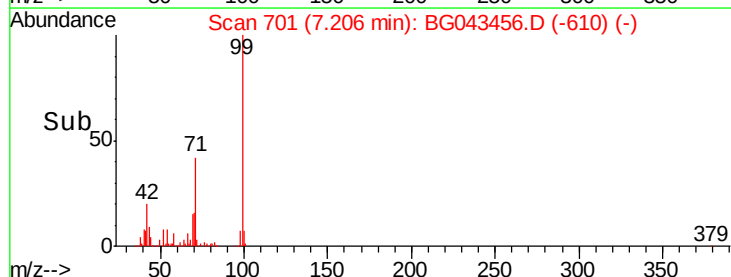
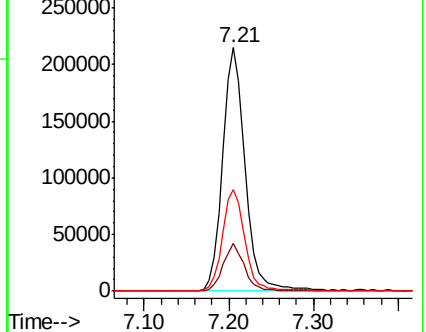
71 41.9 32.2 48.2

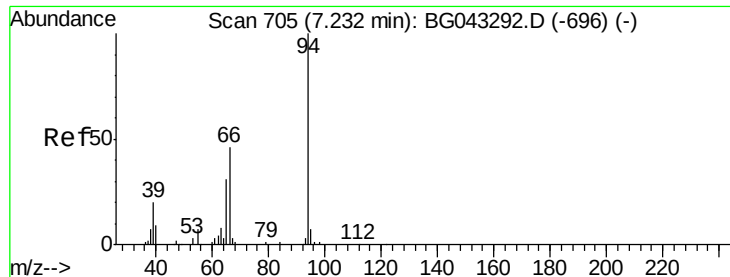


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

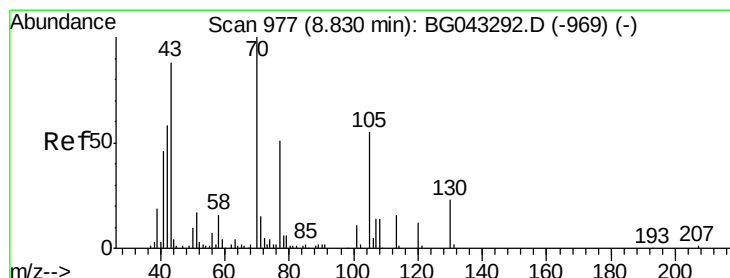
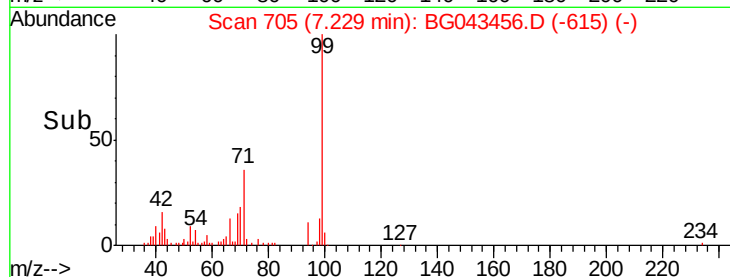
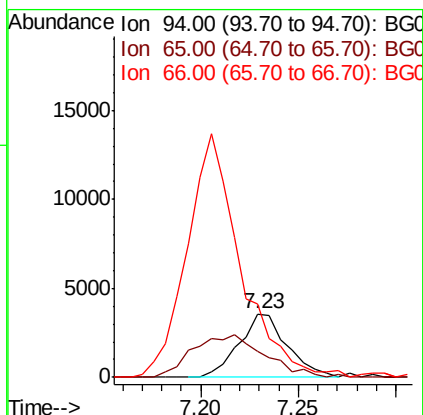
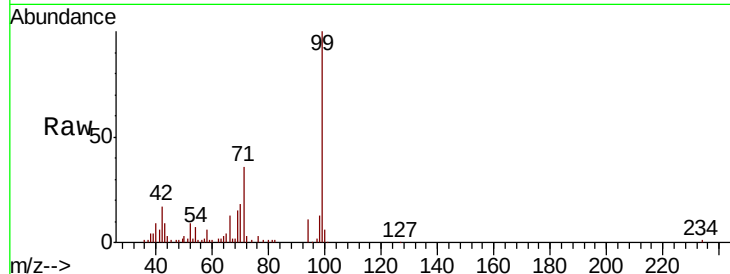




#10
Phenol
Concen: 2.120 ng
RT: 7.23 min Scan# 705
Delta R.T. -0.00 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

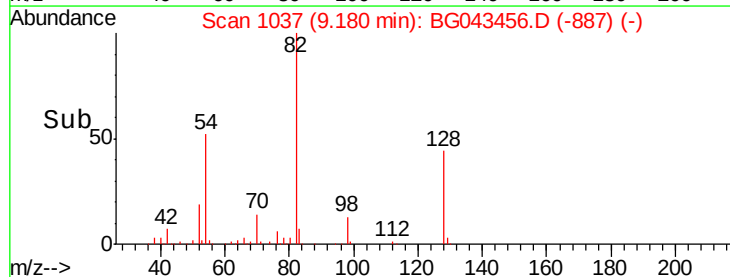
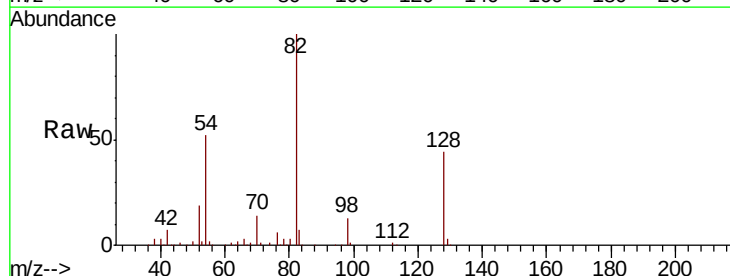
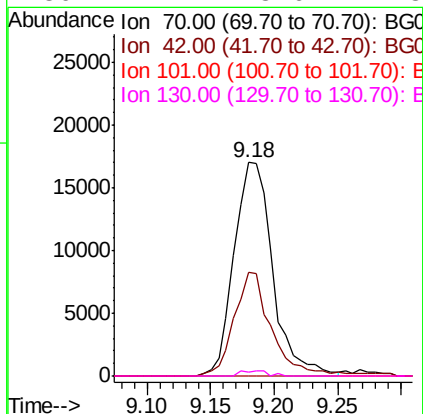
Instrument :
BNA_G
ClientSampleId :

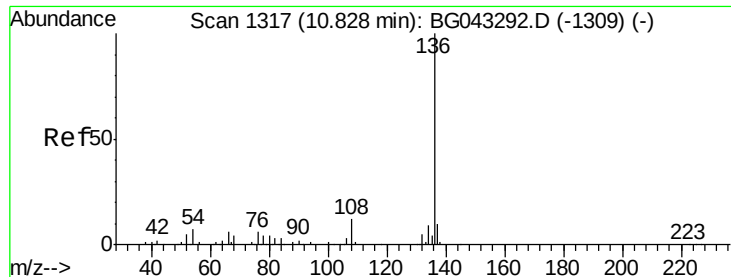
Tot Ion: 94 Resp: 6066
Ion Ratio Lower Upper
94 100
65 40.4 11.1 51.1
66 115.8 27.8 67.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.805 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

Tgt Ion: 70 Resp: 36032
Ion Ratio Lower Upper
70 100
42 48.6 46.2 69.2
101 0.0 8.6 13.0#
130 1.7 18.6 27.8#

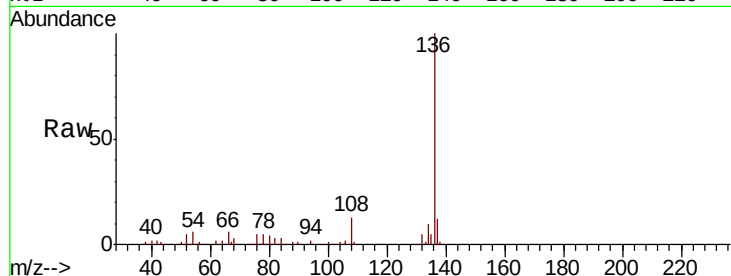




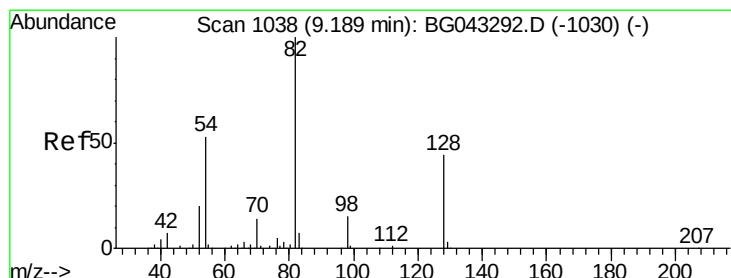
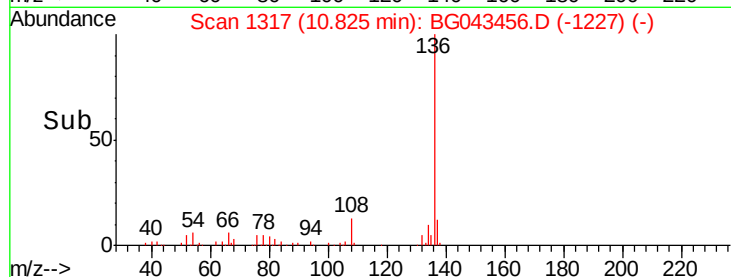
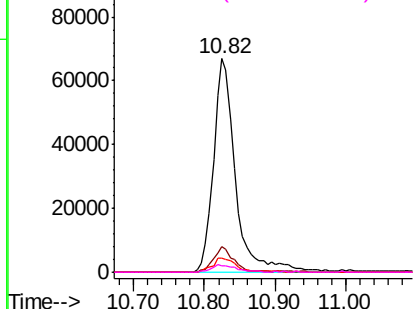
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	146048
Ion	Ratio	Lower Upper
136	100	
137	12.0	8.2 12.2
54	6.3	5.4 8.2
68	3.3	3.3 4.9

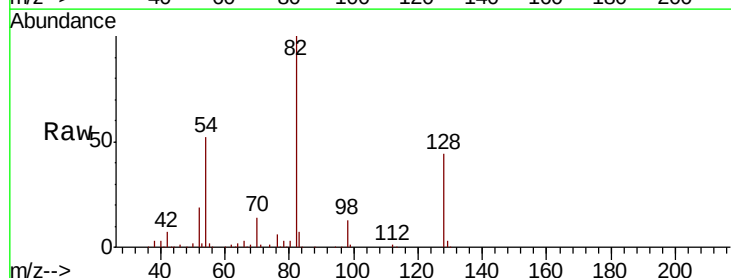


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

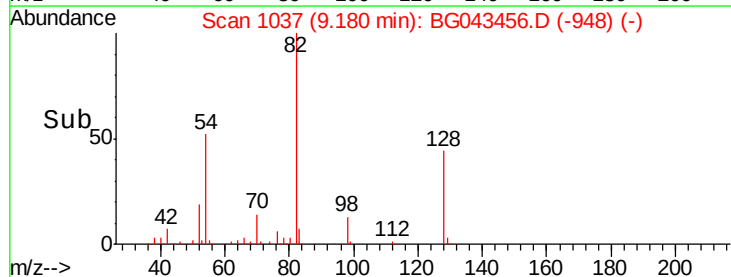
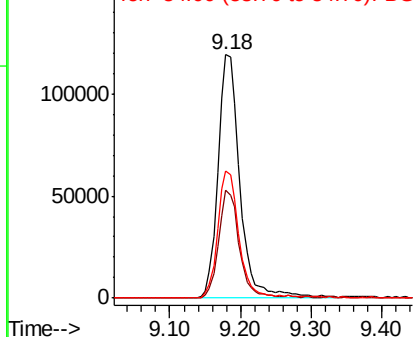


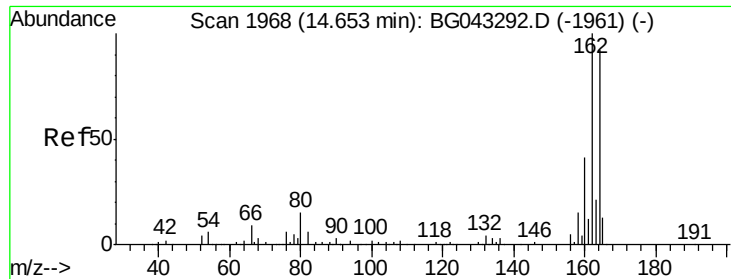
#23
Nitrobenzene-d5
Concen: 90.519 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

Tgt Ion: 82	Resp:	256430
Ion	Ratio	Lower Upper
82	100	
128	44.4	35.3 52.9
54	52.2	42.3 63.5



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

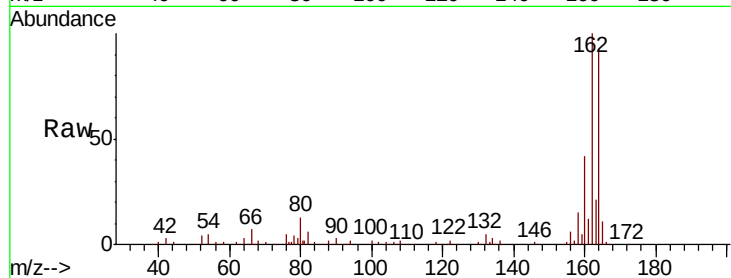
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 111607

Ion	Ratio	Lower	Upper
164	100		
162	107.1	87.0	130.4
160	45.1	35.5	53.3

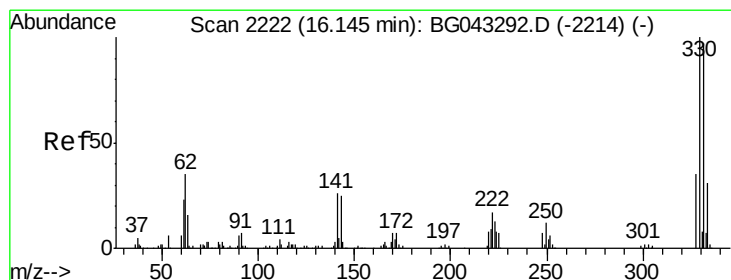
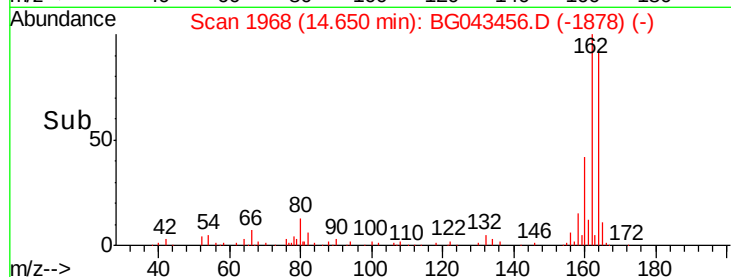
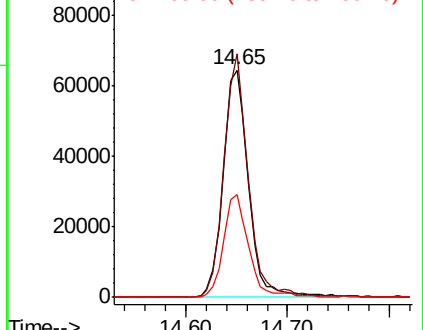


Abundance

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: 126.534 ng

RT: 16.14 min Scan# 2222

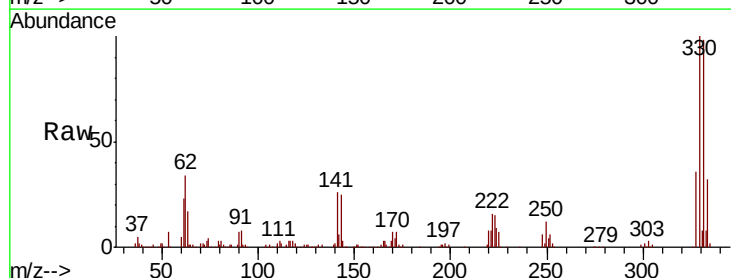
Delta R.T. -0.00 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

Tgt Ion:330 Resp: 268744

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.4	114.6
141	27.9	21.4	32.0

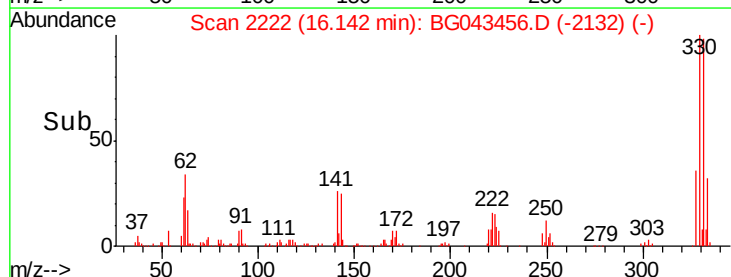
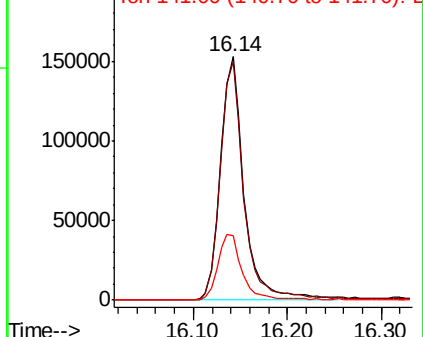


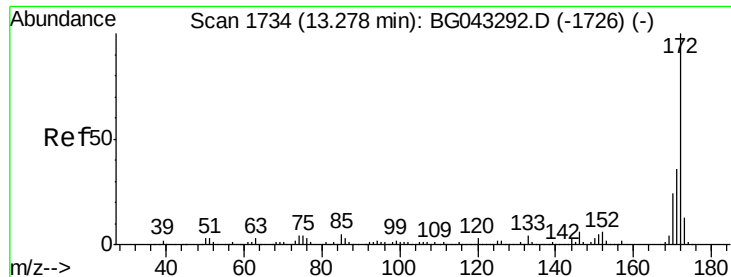
Abundance

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

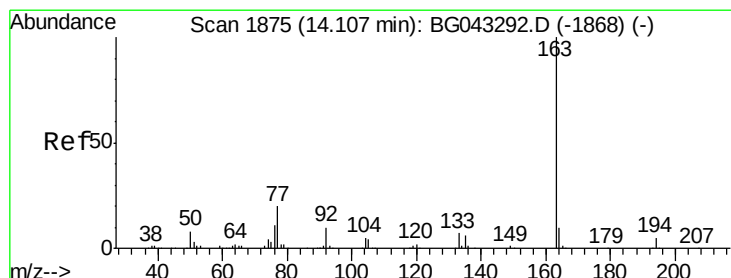
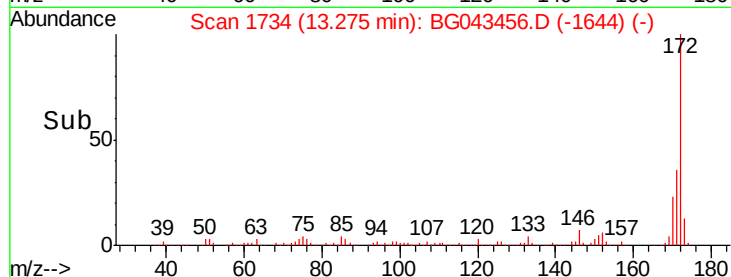
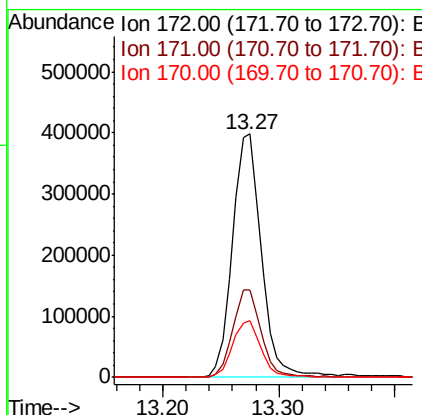
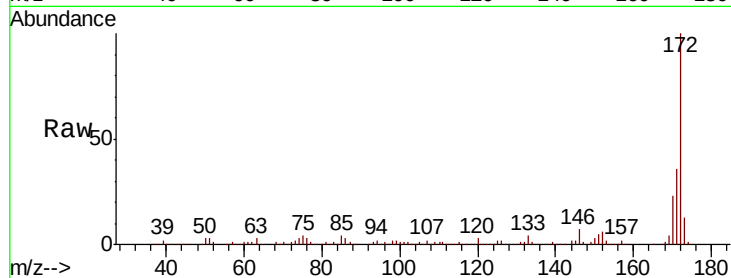




#45
2-Fluorobiphenyl
Concen: 85.590 ng
RT: 13.27 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

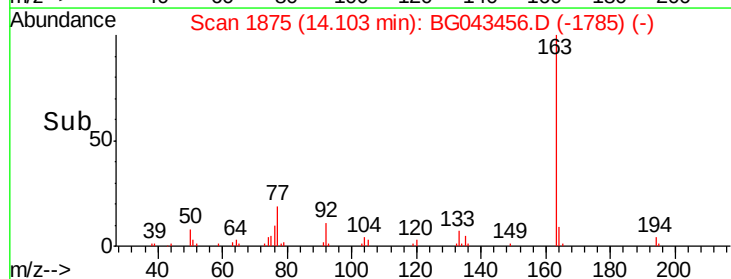
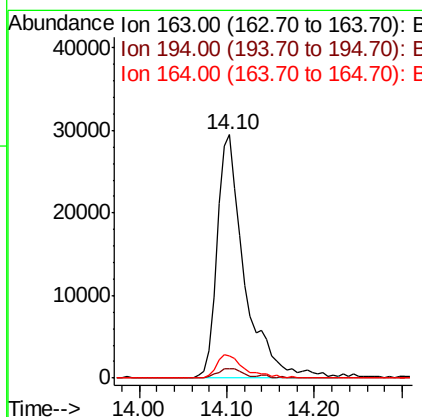
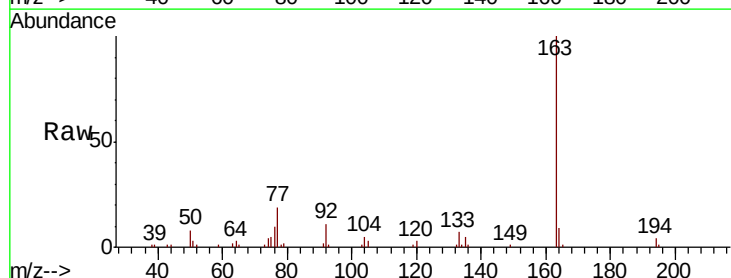
Instrument :
BNA_G
ClientSampled :

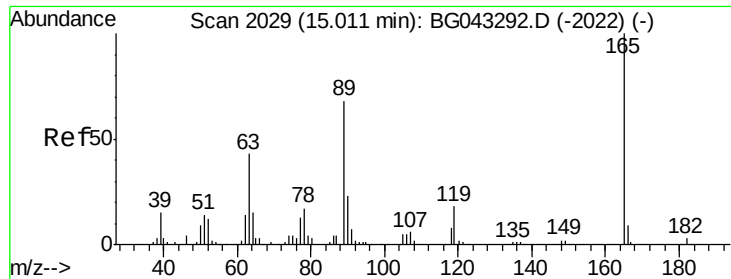
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.1	18.8	28.2



#50
Dimethylphthalate
Concen: 7.396 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043456.D
Acq: 1 Nov 2019 6:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.7	5.5
164	8.9	8.1	12.1

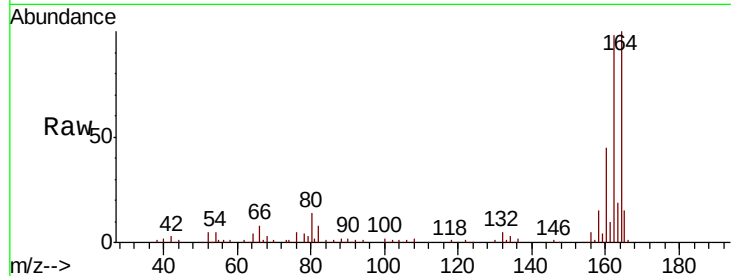




#57
 2,4-Dinitrotoluene
 Concen: 5.312 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043456.D
 Acq: 1 Nov 2019 6:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	35.0	52.6#
89	2.0	54.1	81.1#
182	0.0	2.2	3.2#

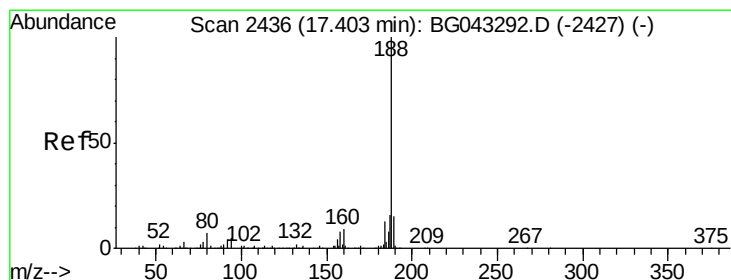
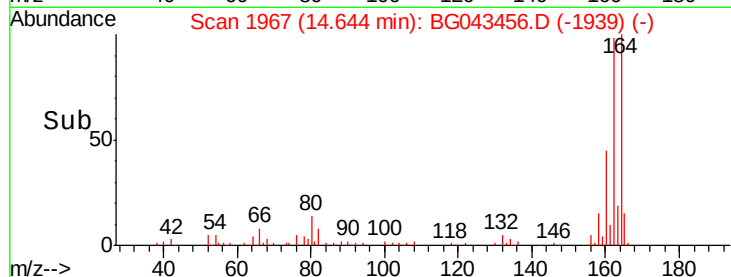
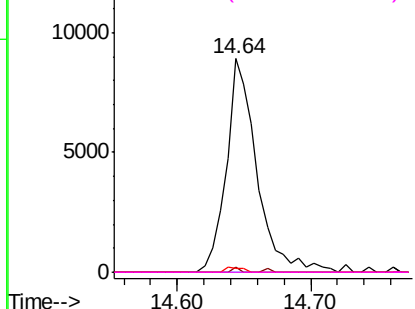


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

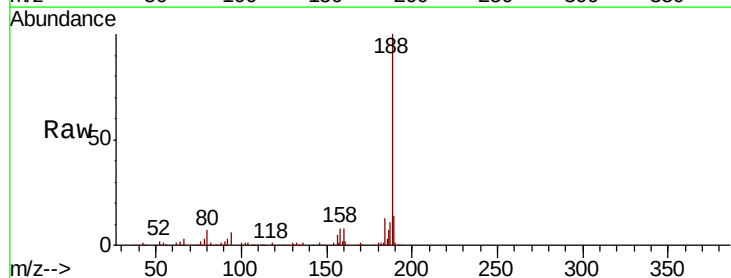
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043456.D
 Acq: 1 Nov 2019 6:44

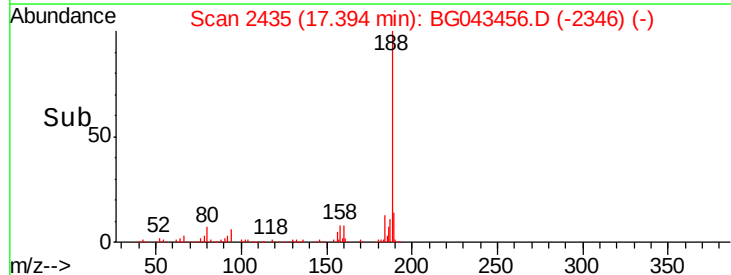
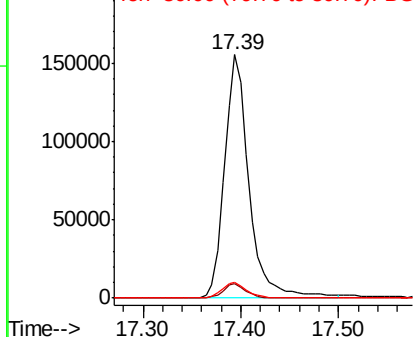
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.2	6.2
80	6.6	5.2	7.8

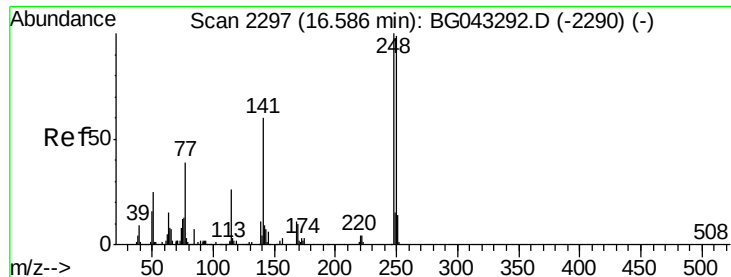


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

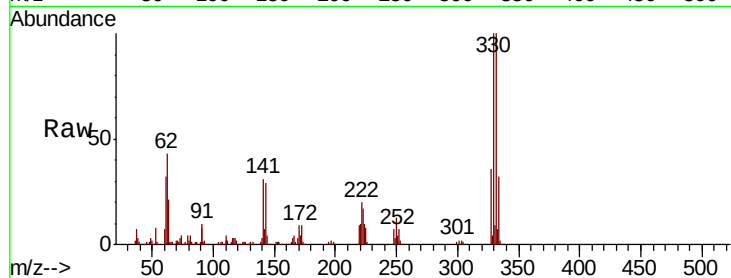




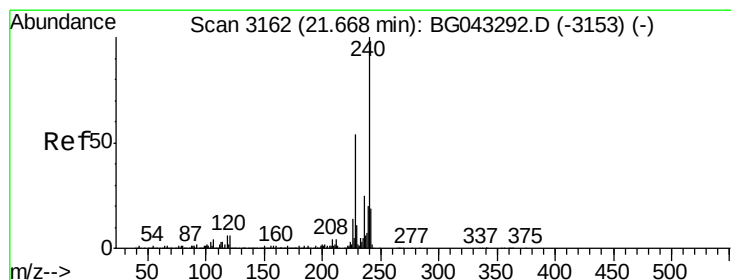
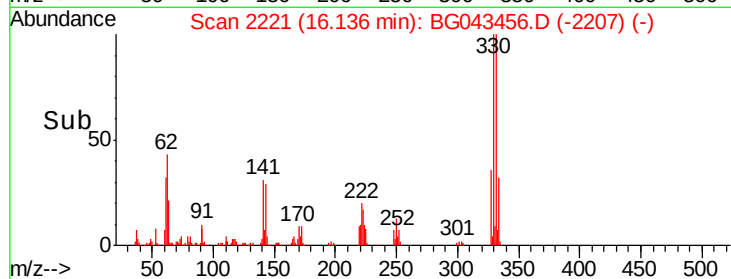
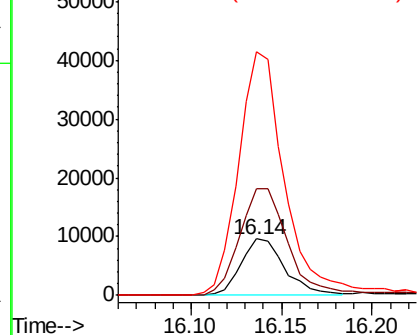
#67
 4-Bromophenyl-phenylether
 Concen: 4.459 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043456.D
 Acq: 1 Nov 2019 6:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 16223
 Ion Ratio Lower Upper
 248 100
 250 188.0 79.3 118.9#
 141 430.6 47.9 71.9#

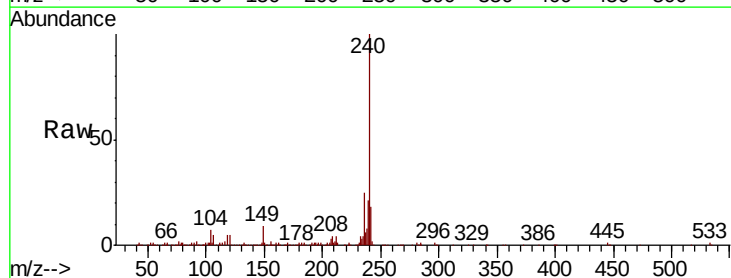


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

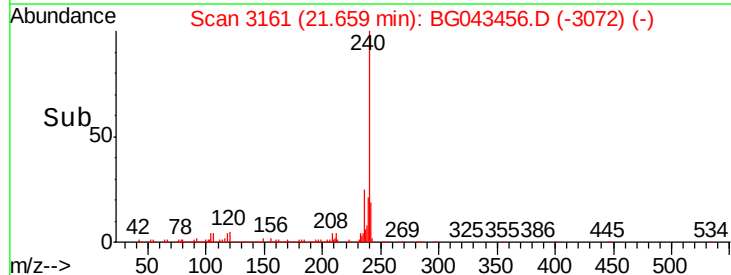
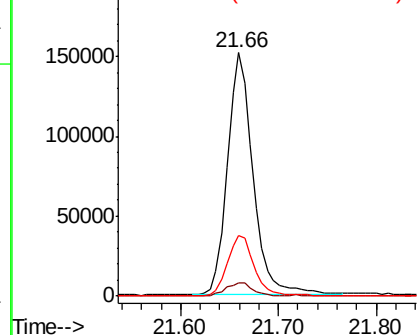


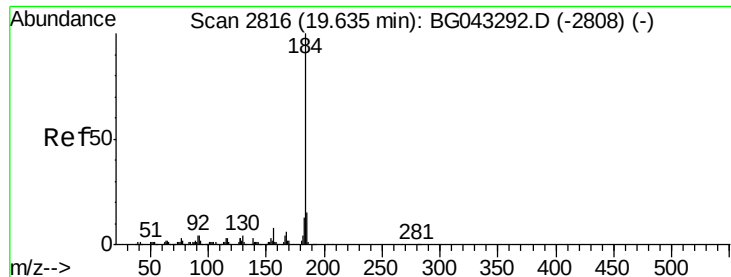
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043456.D
 Acq: 1 Nov 2019 6:44

Tgt Ion:240 Resp: 276925
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.6 7.0
 236 25.0 20.2 30.4



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: 43.521 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

Instrument :

BNA_G

ClientSampleId :

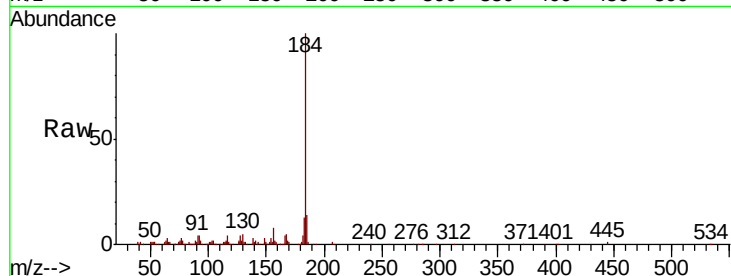
Tot Ion:184 Resp: 242551

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.6

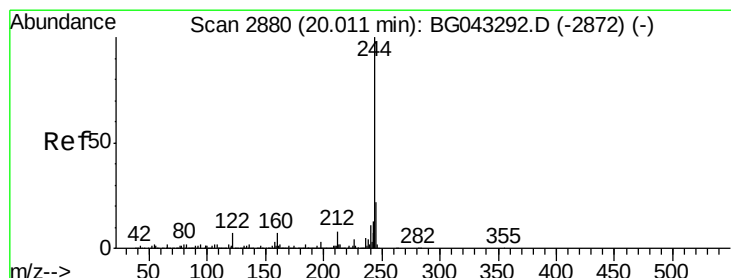
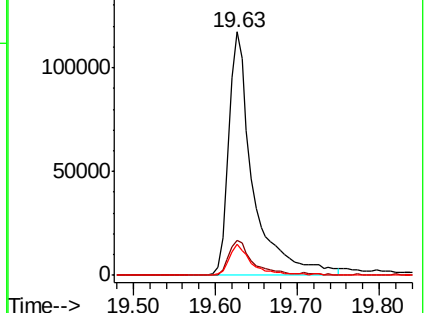
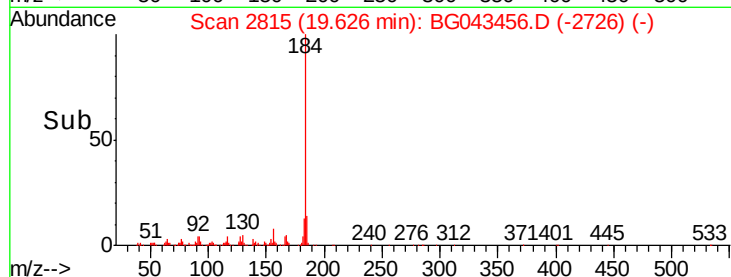
183 13.0 10.6 16.0



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: 93.021 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043456.D

Acq: 1 Nov 2019 6:44

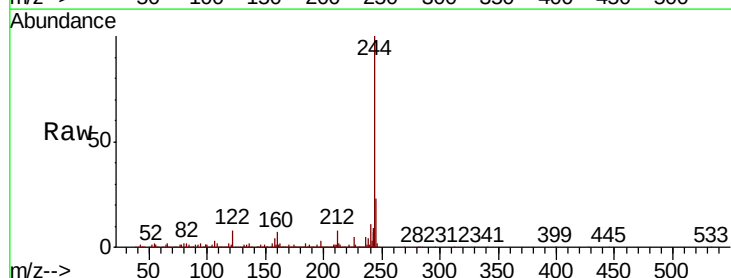
Tgt Ion:244 Resp: 1373078

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

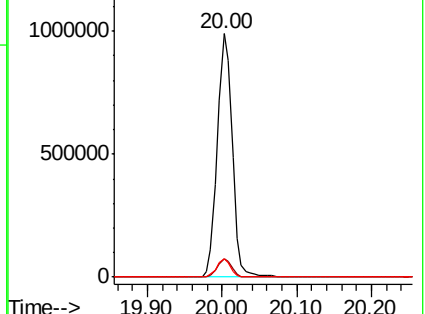
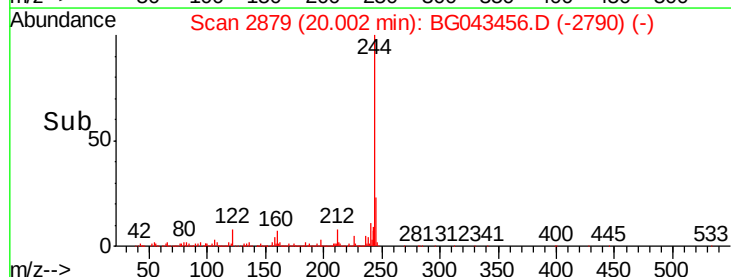
122 7.7 5.3 7.9

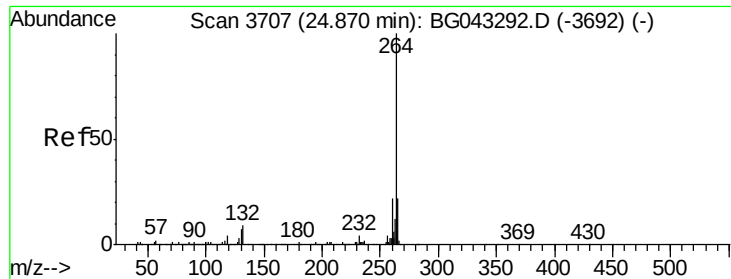


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

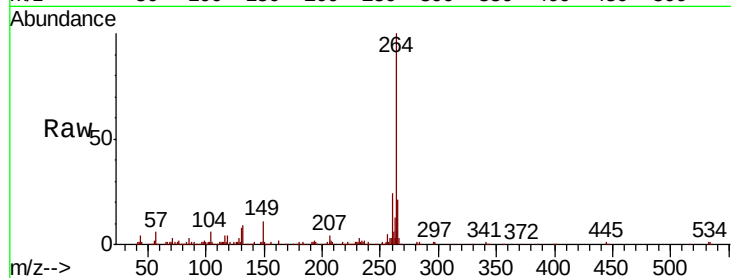




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043456.D
 Acq: 1 Nov 2019 6:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.9	26.9
265	21.3	17.4	26.2



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

