

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\
 Data File : BG043360.D
 Acq On : 28 Oct 2019 21:30
 Operator : JU
 Sample : K5539-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 13:18:56 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

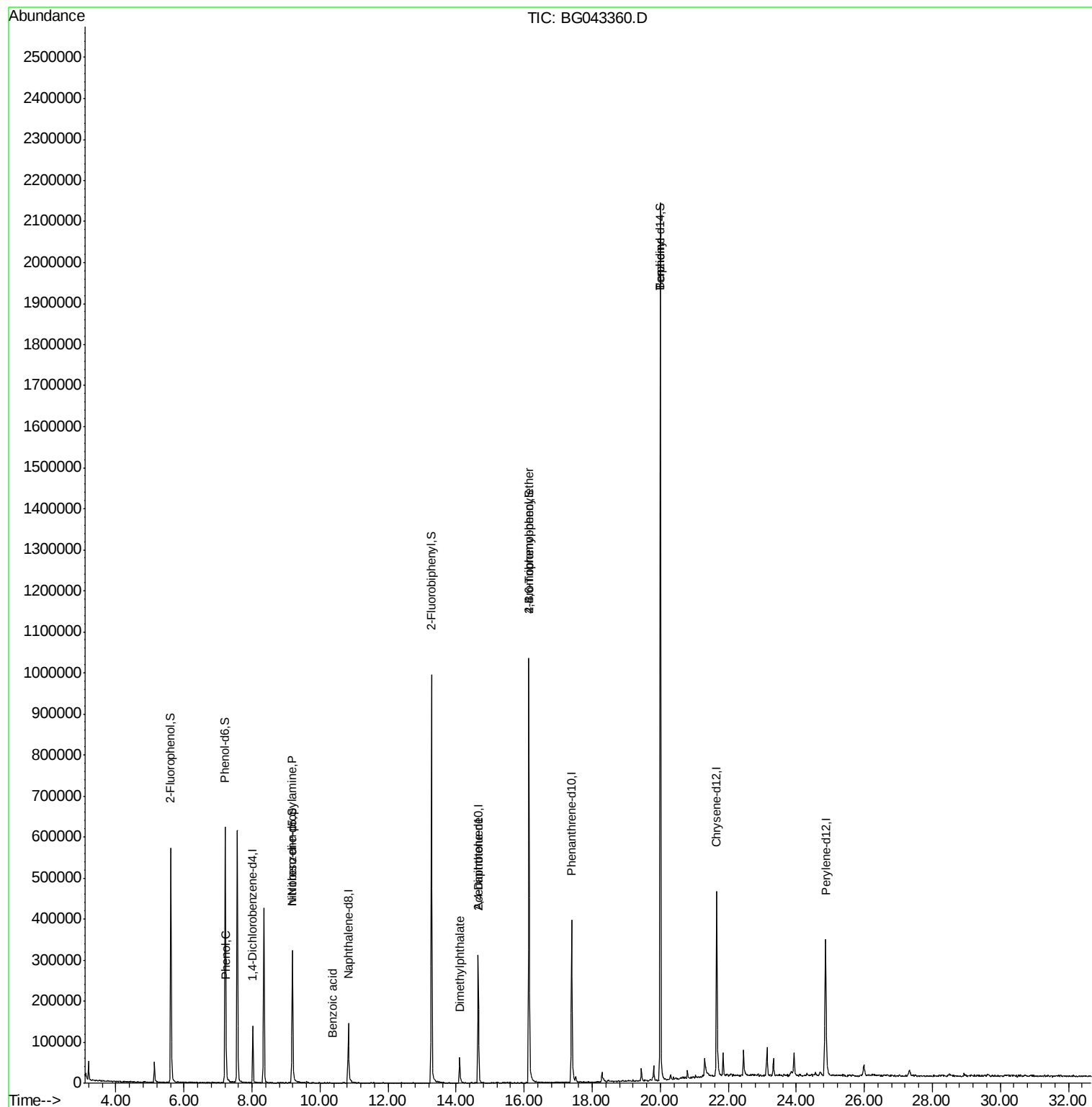
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	42899	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	155230	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	116888	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	284977	20.00	ng	0.00
76) Chrysene-d12	21.66	240	310618	20.00	ng	0.00
87) Perylene-d12	24.86	264	367425	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	267702	114.35	ng	0.00
7) Phenol-d6	7.21	99	389379	115.60	ng	0.00
23) Nitrobenzene-d5	9.19	82	225104	74.76	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	264512	118.91	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	596062	70.46	ng	0.00
79) Terphenyl-d14	20.00	244	1187896	71.75	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10744	3.491	ng	82
19) n-Nitroso-di-n-propylamine	9.19	70	30555	14.039	ng	# 75
32) Benzoic acid	10.37	122	68	9.085	ng	# 1
50) Dimethylphthalate	14.10	163	57319	6.331	ng	99
57) 2,4-Dinitrotoluene	14.65	165	15750	5.603	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	17212	4.488	ng	# 1
77) Benzidine	20.00	184	16915	2.706	ng	96

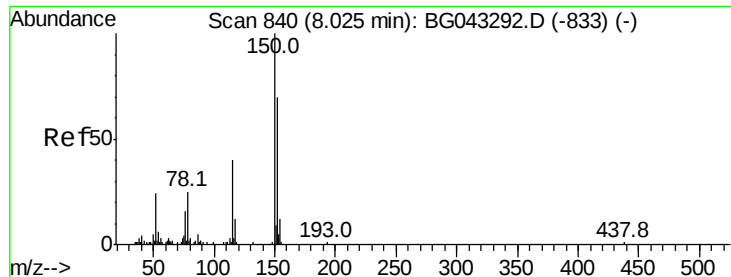
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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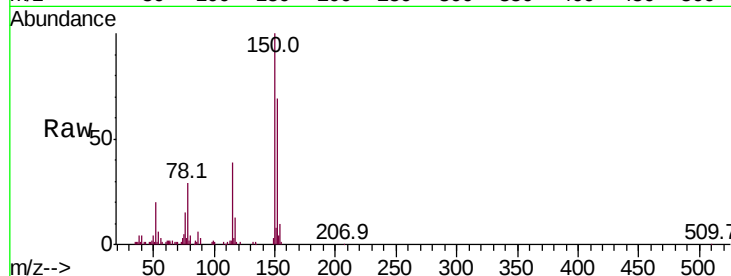


#1

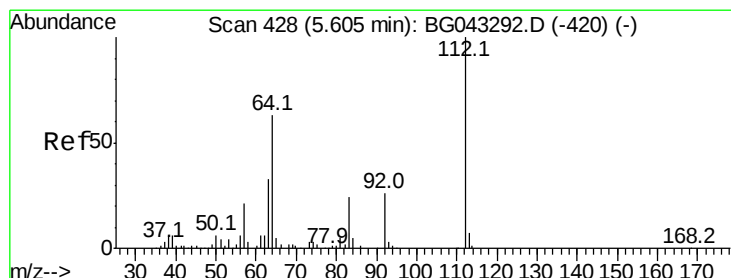
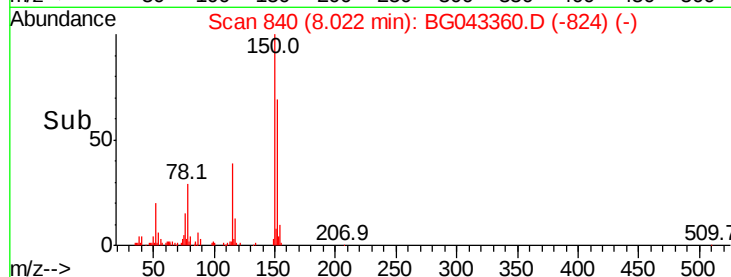
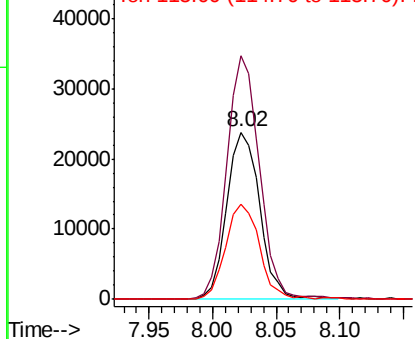
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42899
Ion Ratio Lower Upper
152 100
150 145.7 113.6 170.4
115 57.3 45.9 68.9



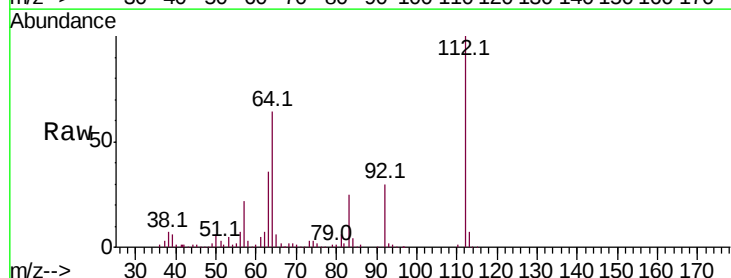
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



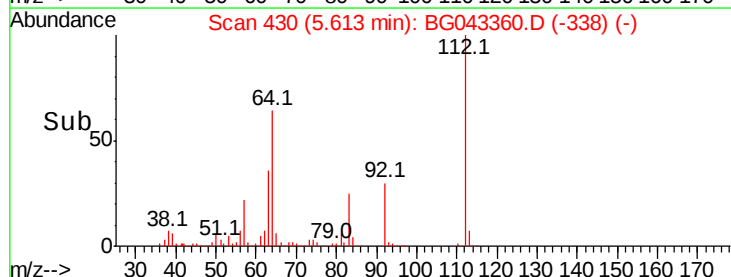
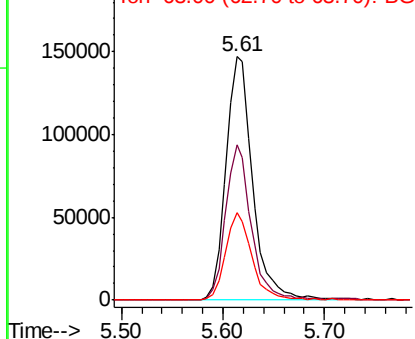
#5

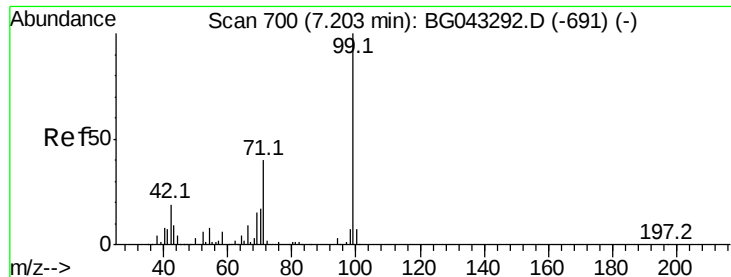
2-Fluorophenol
Concen: 114.350 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

Tgt Ion:112 Resp: 267702
Ion Ratio Lower Upper
112 100
64 63.8 50.2 75.2
63 36.1 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 115.602 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Instrument :

BNA_G

ClientSampled :

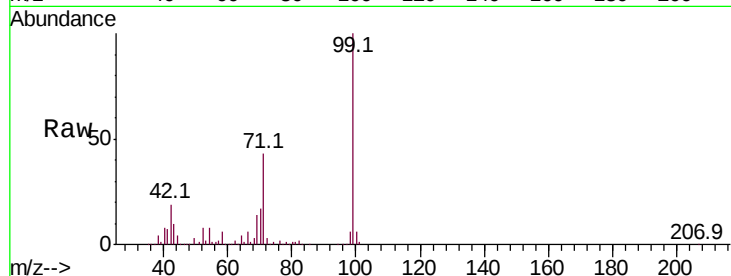
Tot Ion: 99 Resp: 389379

Ion Ratio Lower Upper

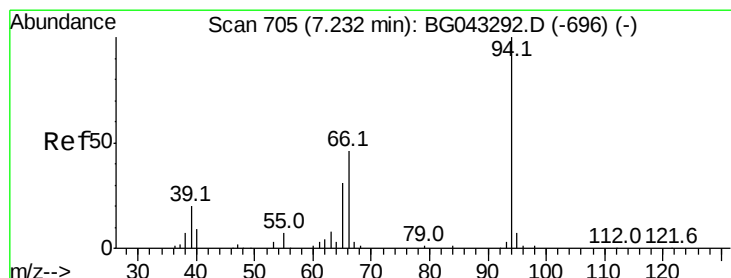
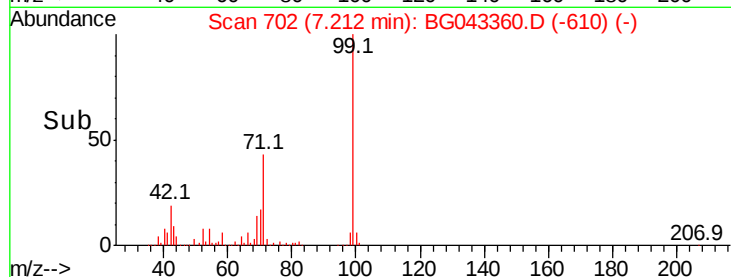
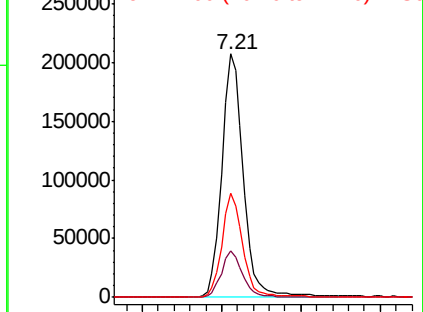
99 100

42 19.0 14.9 22.3

71 42.9 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: 3.491 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

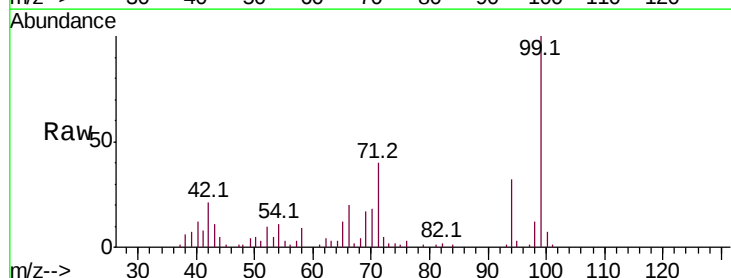
Tgt Ion: 94 Resp: 10744

Ion Ratio Lower Upper

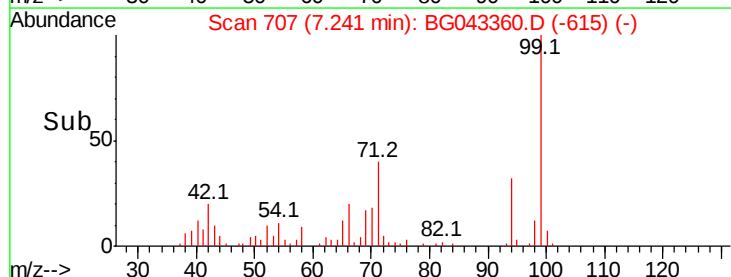
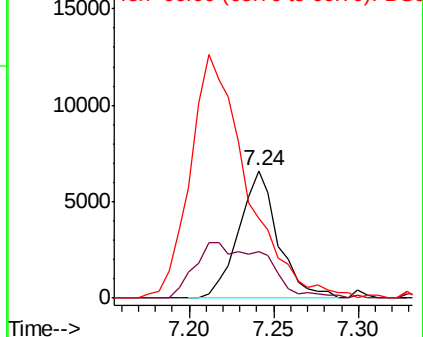
94 100

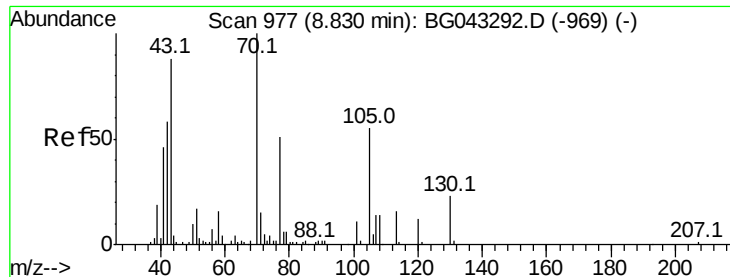
65 36.8 11.1 51.1

66 63.0 27.8 67.8



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

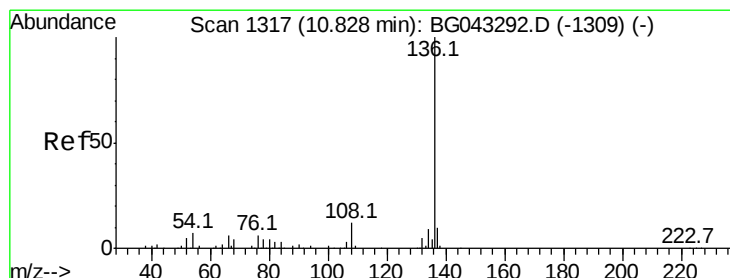
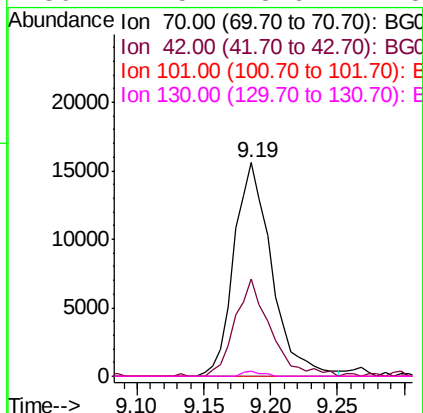
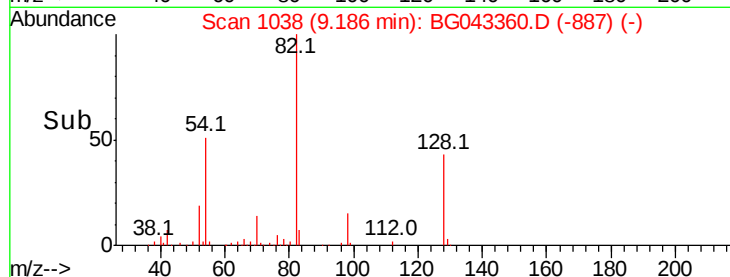
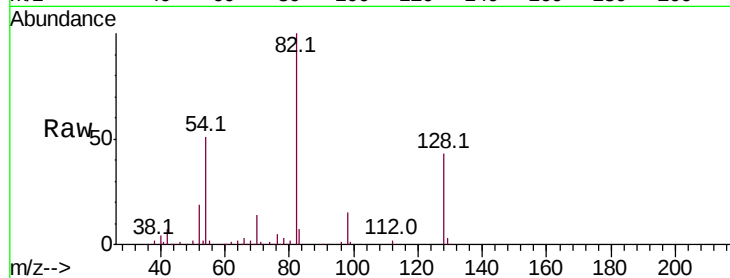




#19
n-Nitroso-di-n-propylamine
Concen: 14.039 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

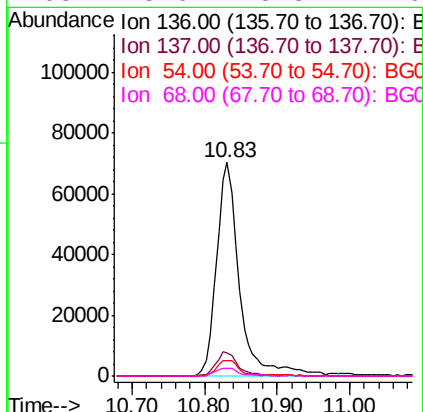
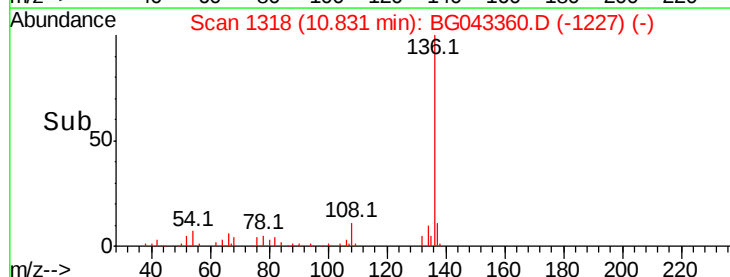
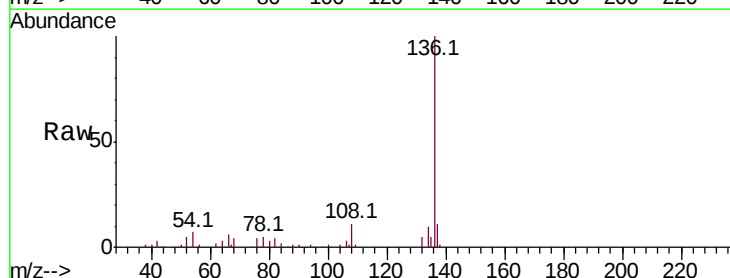
Instrument :
BNA_G
ClientSampleId :

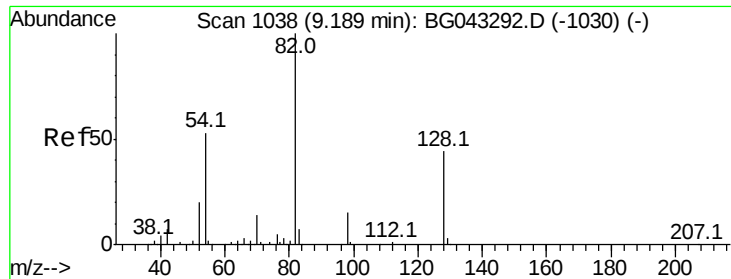
Tot Ion: 70 Resp: 30555
Ion Ratio Lower Upper
70 100
42 45.4 46.2 69.2#
101 0.0 8.6 13.0#
130 2.5 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

Tgt Ion: 136 Resp: 155230
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.2
54 7.2 5.4 8.2
68 3.6 3.3 4.9

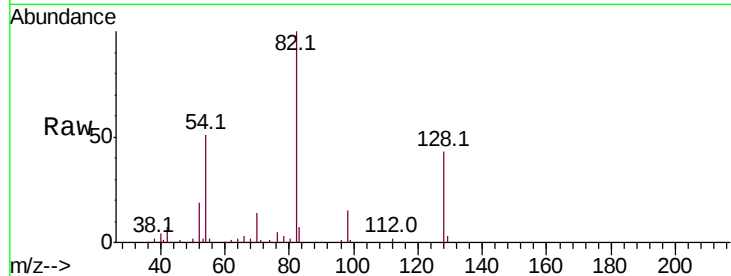




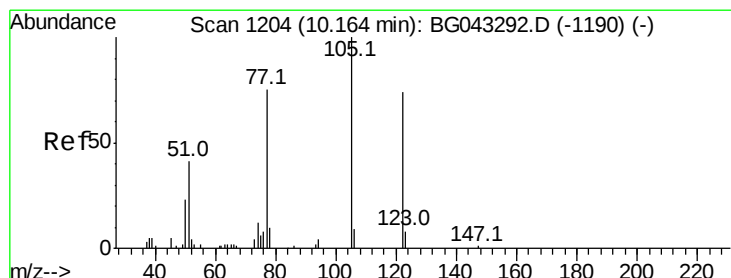
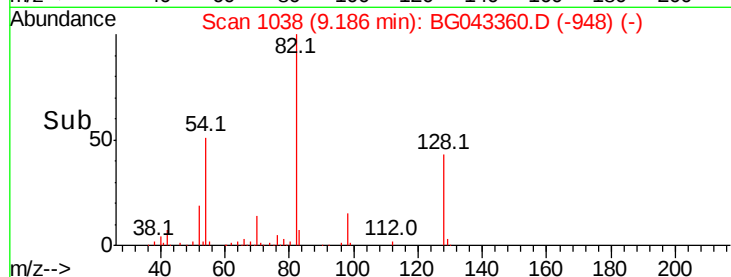
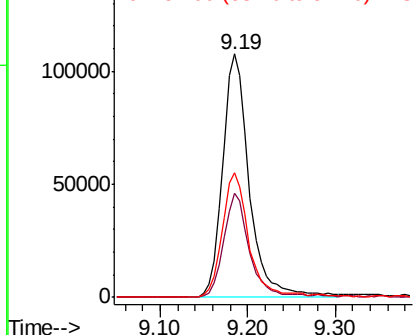
#23
 Nitrobenzene-d5
 Concen: 74.761 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 225104
 Ion Ratio Lower Upper
 82 100
 128 42.7 35.3 52.9
 54 51.2 42.3 63.5

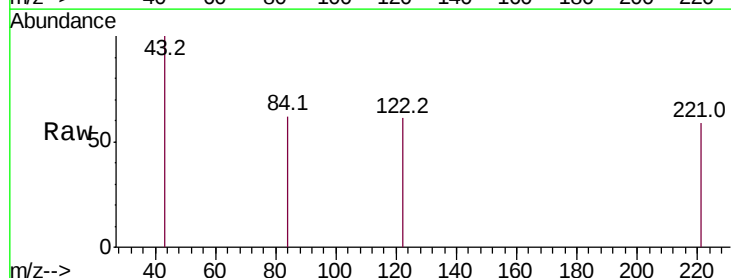


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

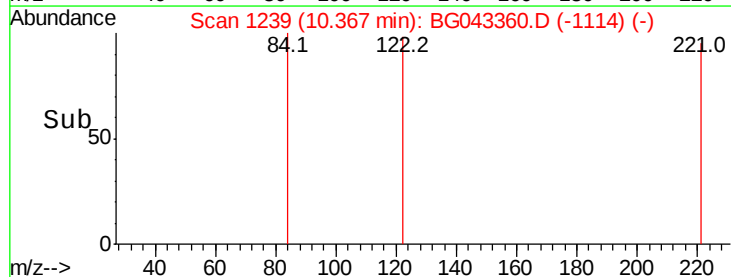
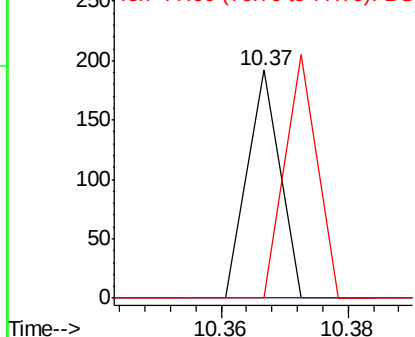


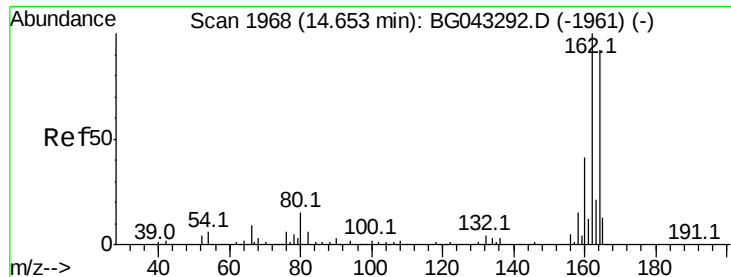
#32
 Benzoic acid
 Concen: 9.085 ng
 RT: 10.37 min Scan# 1239
 Delta R.T. 0.20 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

Tgt Ion:122 Resp: 68
 Ion Ratio Lower Upper
 122 100
 105 0.0 112.4 152.4#
 77 0.0 82.7 122.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Instrument :

BNA_G

ClientSampleId :

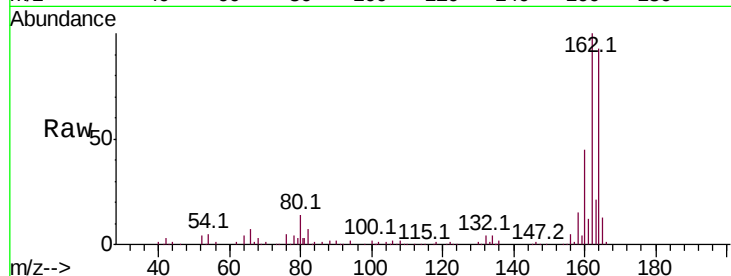
Tot Ion:164 Resp: 116888

Ion Ratio Lower Upper

164 100

162 107.2 87.0 130.4

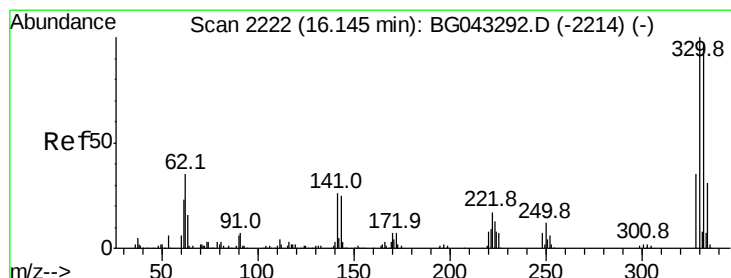
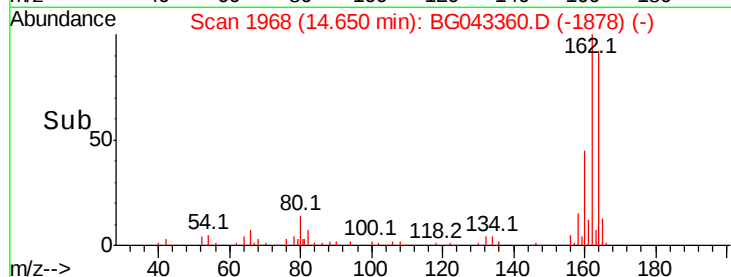
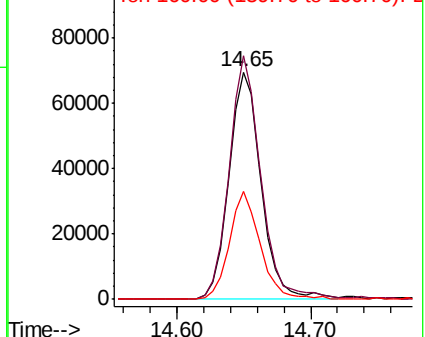
160 47.7 35.5 53.3



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: 118.915 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

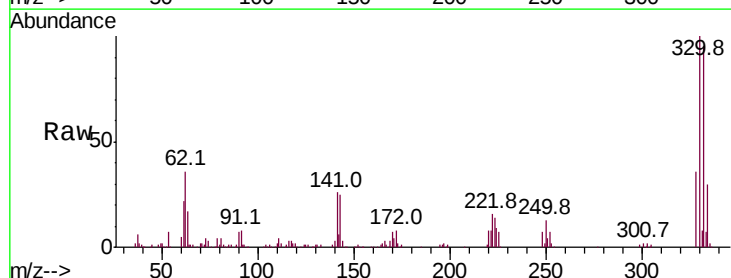
Tgt Ion:330 Resp: 264512

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

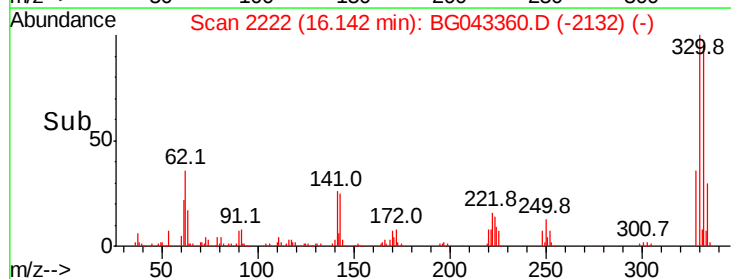
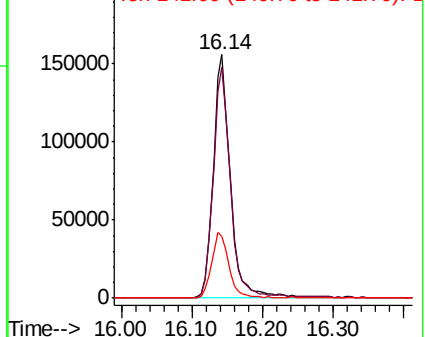
141 26.7 21.4 32.0

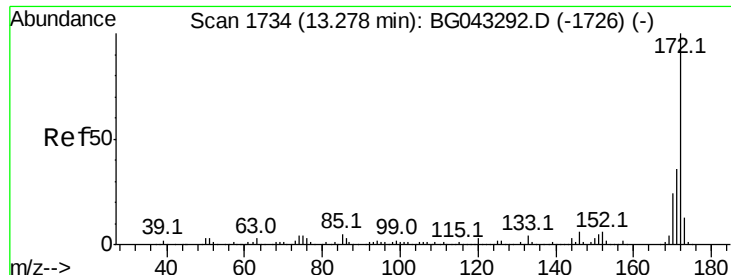


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

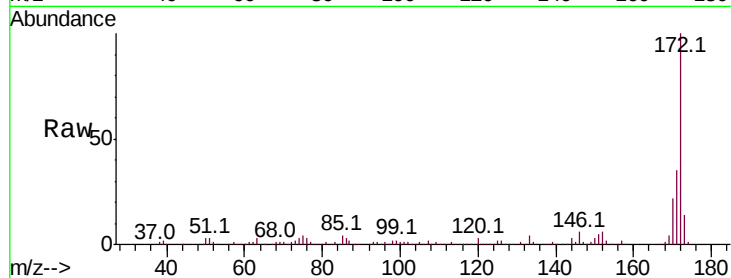




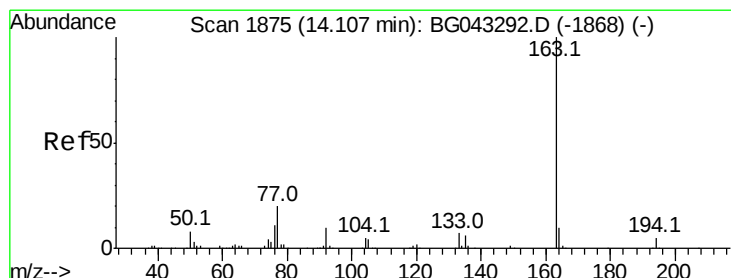
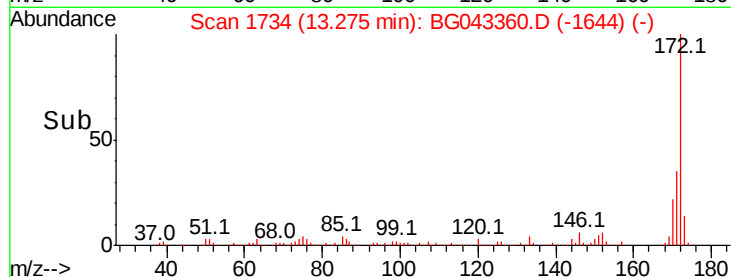
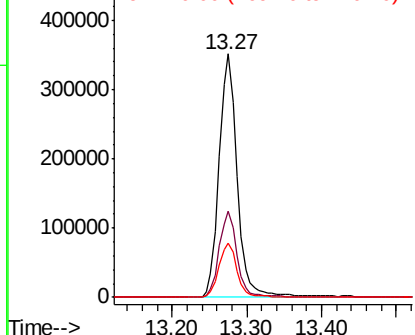
#45
2-Fluorobiphenyl
Concen: 70.464 ng
RT: 13.27 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 596062
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.4 18.8 28.2

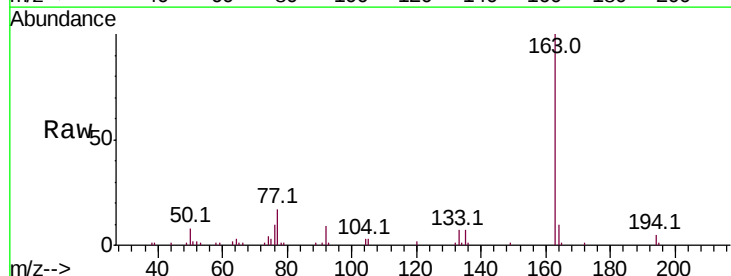


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

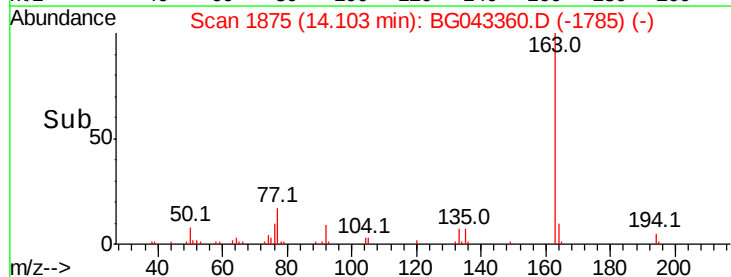
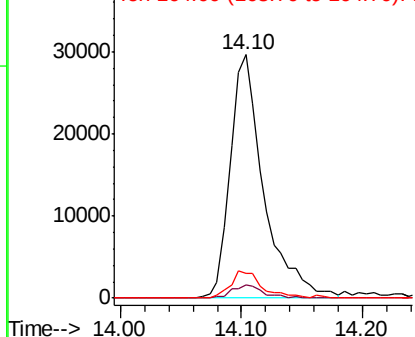


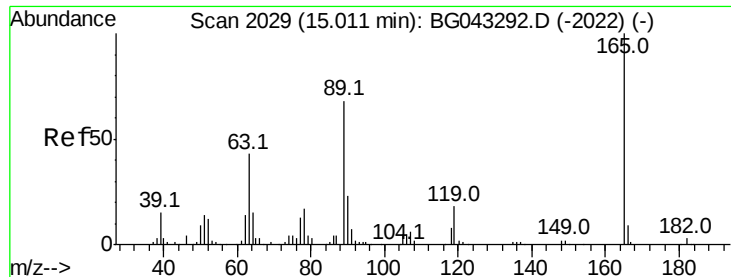
#50
Dimethylphthalate
Concen: 6.331 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043360.D
Acq: 28 Oct 2019 21:30

Tgt Ion:163 Resp: 57319
Ion Ratio Lower Upper
163 100
194 5.2 3.7 5.5
164 10.1 8.1 12.1



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

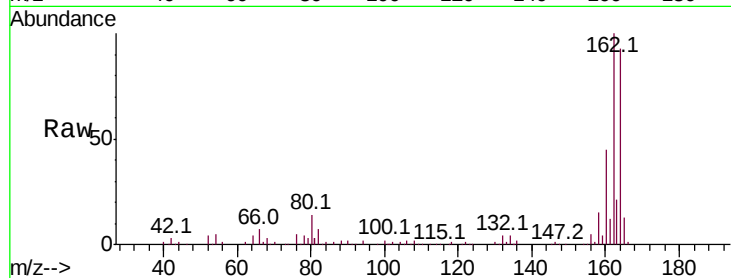




#57
 2,4-Dinitrotoluene
 Concen: 5.603 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

Instrument :
 BNA_G
 ClientSampleId :

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



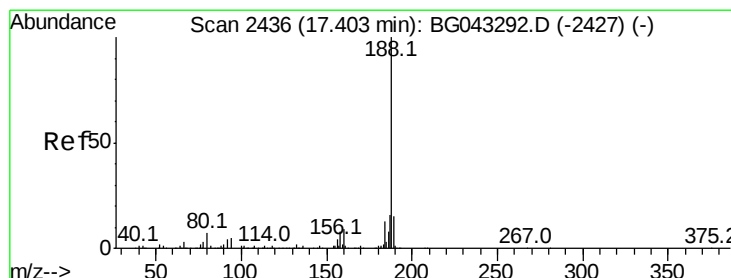
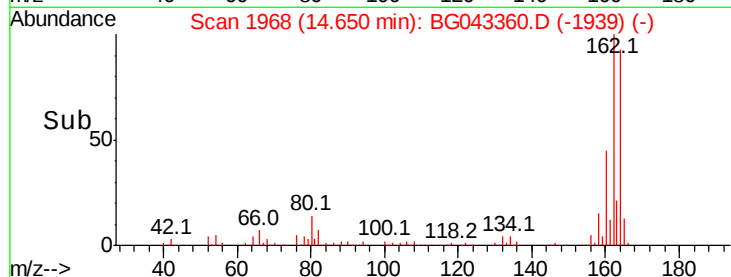
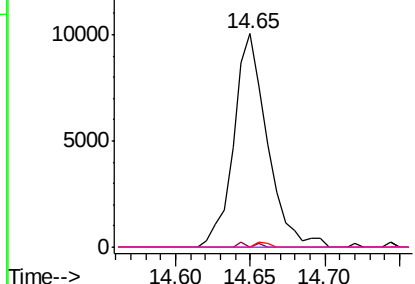
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

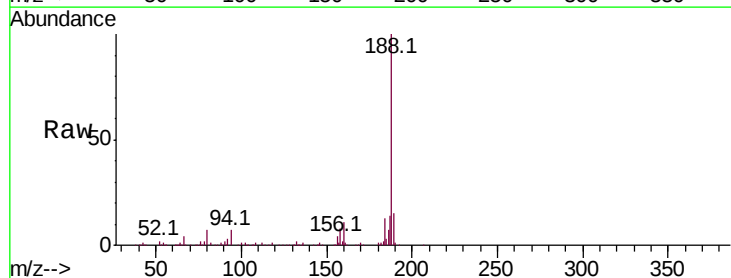
Ion 89.00 (88.70 to 89.70): BGC

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: BG043360.D
 Acq: 28 Oct 2019 21:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.2	6.2#
80	7.0	5.2	7.8

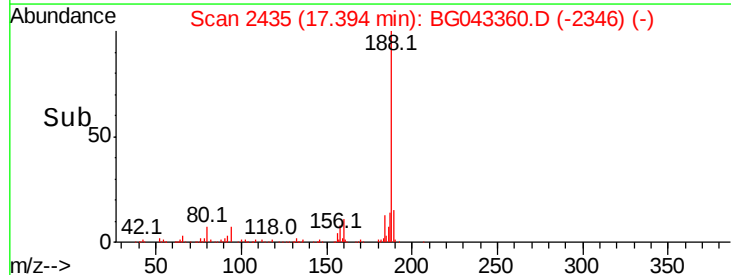
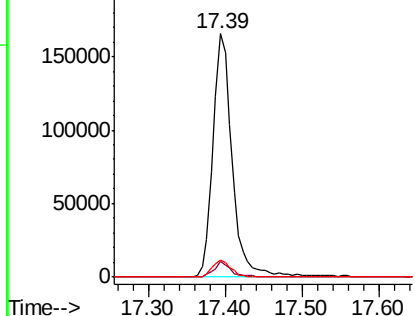


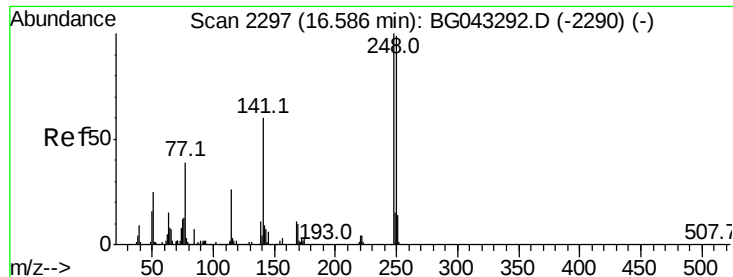
Abundance

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

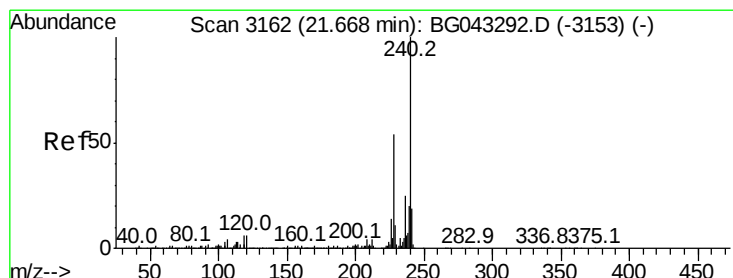
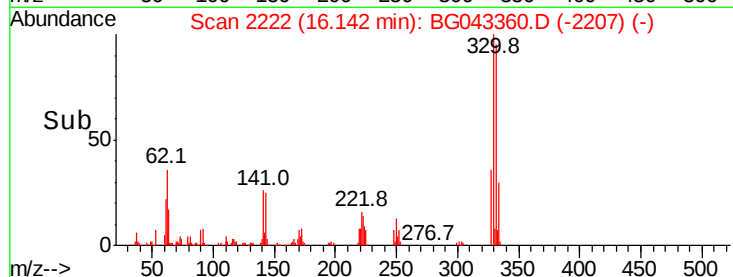
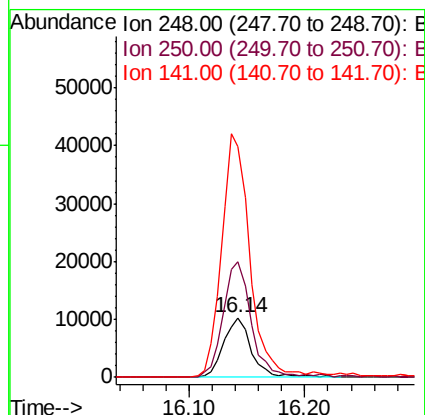
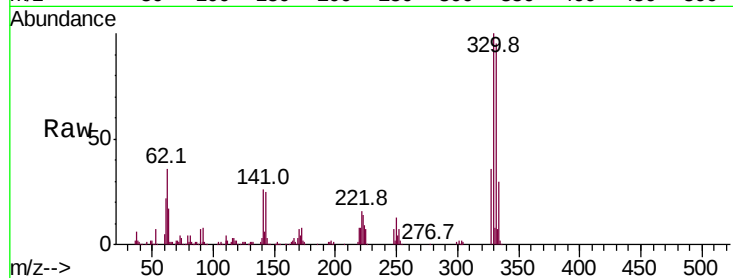




#67
 4-Bromophenyl-phenylether
 Concen: 4.488 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

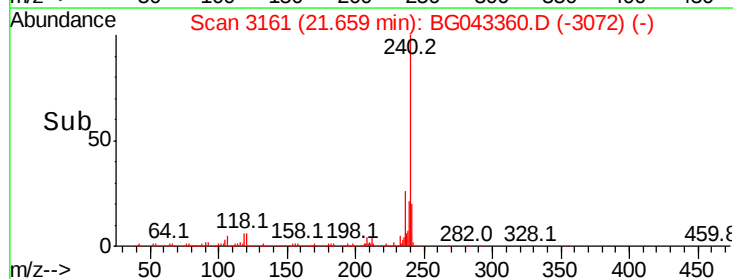
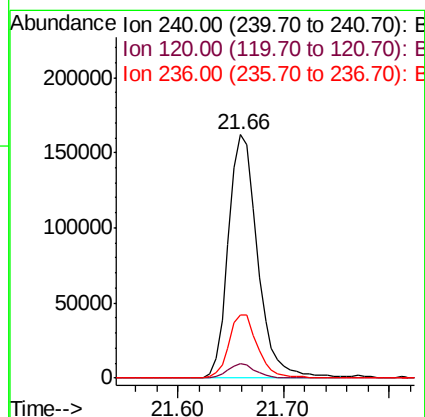
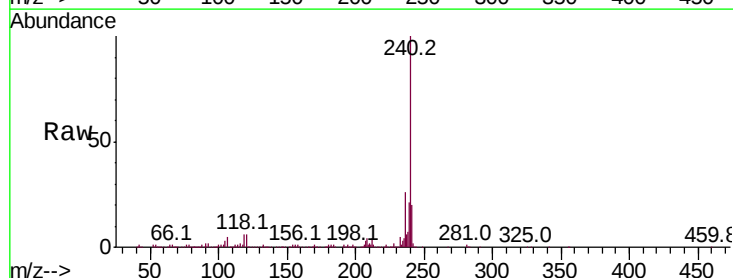
Instrument :
 BNA_G
 ClientSampled :

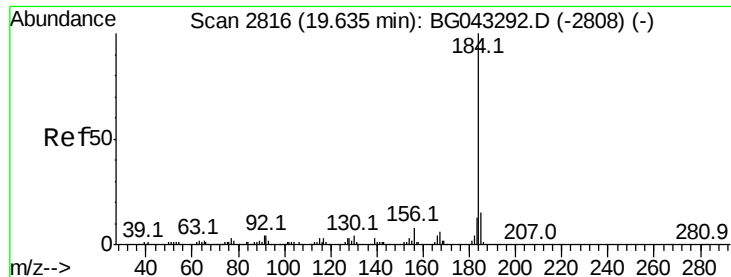
Tot Ion:248 Resp: 17212
 Ion Ratio Lower Upper
 248 100
 250 194.2 79.3 118.9#
 141 386.6 47.9 71.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

Tgt Ion:240 Resp: 310618
 Ion Ratio Lower Upper
 240 100
 120 5.7 4.6 7.0
 236 26.0 20.2 30.4





#77

Benzidine

Concen: 2.706 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

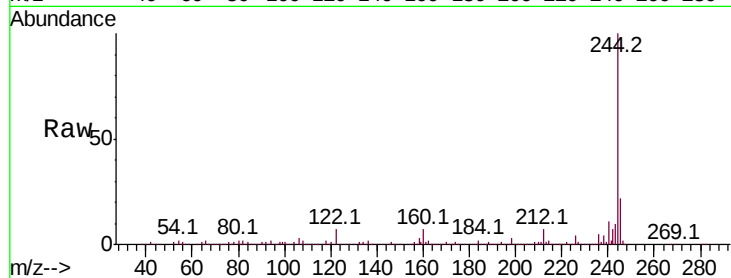
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 16915

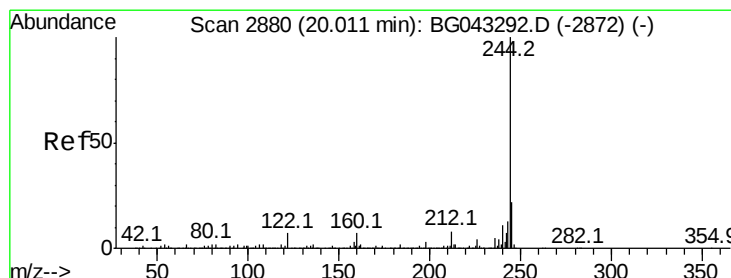
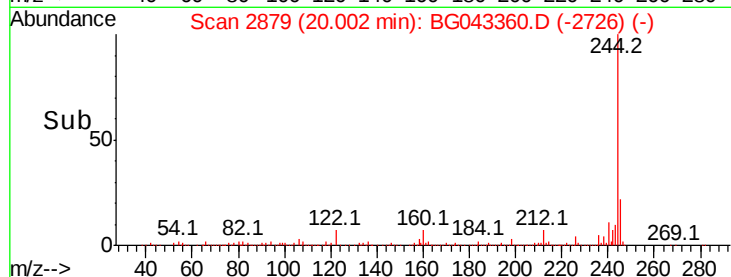
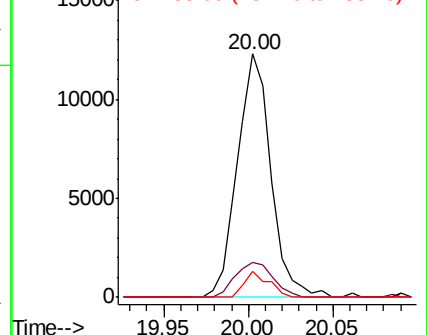
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	10.8	10.6	16.0



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: 71.746 ng

RT: 20.00 min Scan# 2879

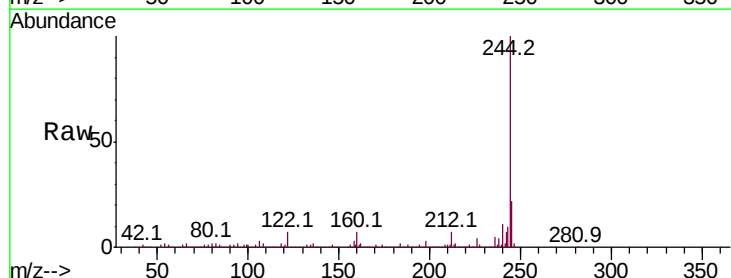
Delta R.T. -0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Tgt Ion:244 Resp: 1187896

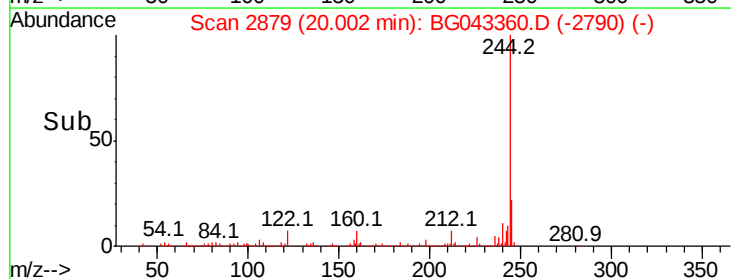
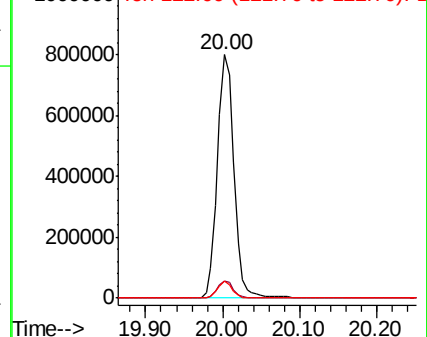
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	7.2	5.3	7.9

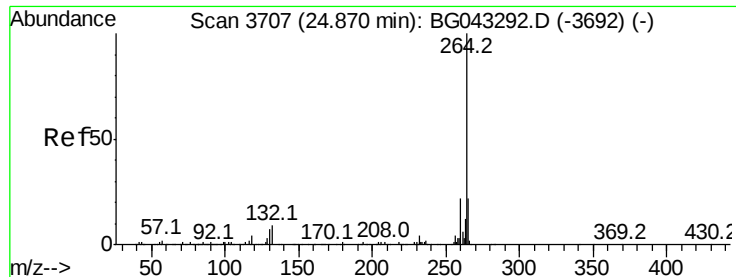


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

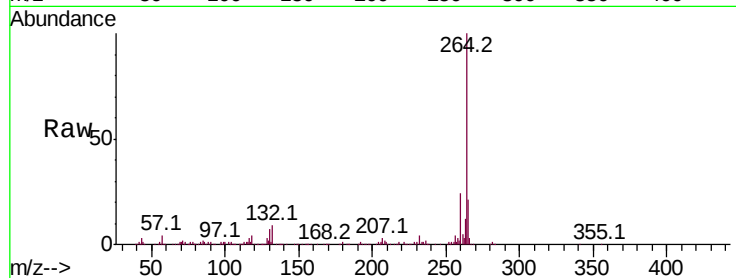




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043360.D
 Acq: 28 Oct 2019 21:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	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

