

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100819\
 Data File : BG043092.D
 Acq On : 8 Oct 2019 19:17
 Operator : JU
 Sample : K5147-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 09 01:10:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

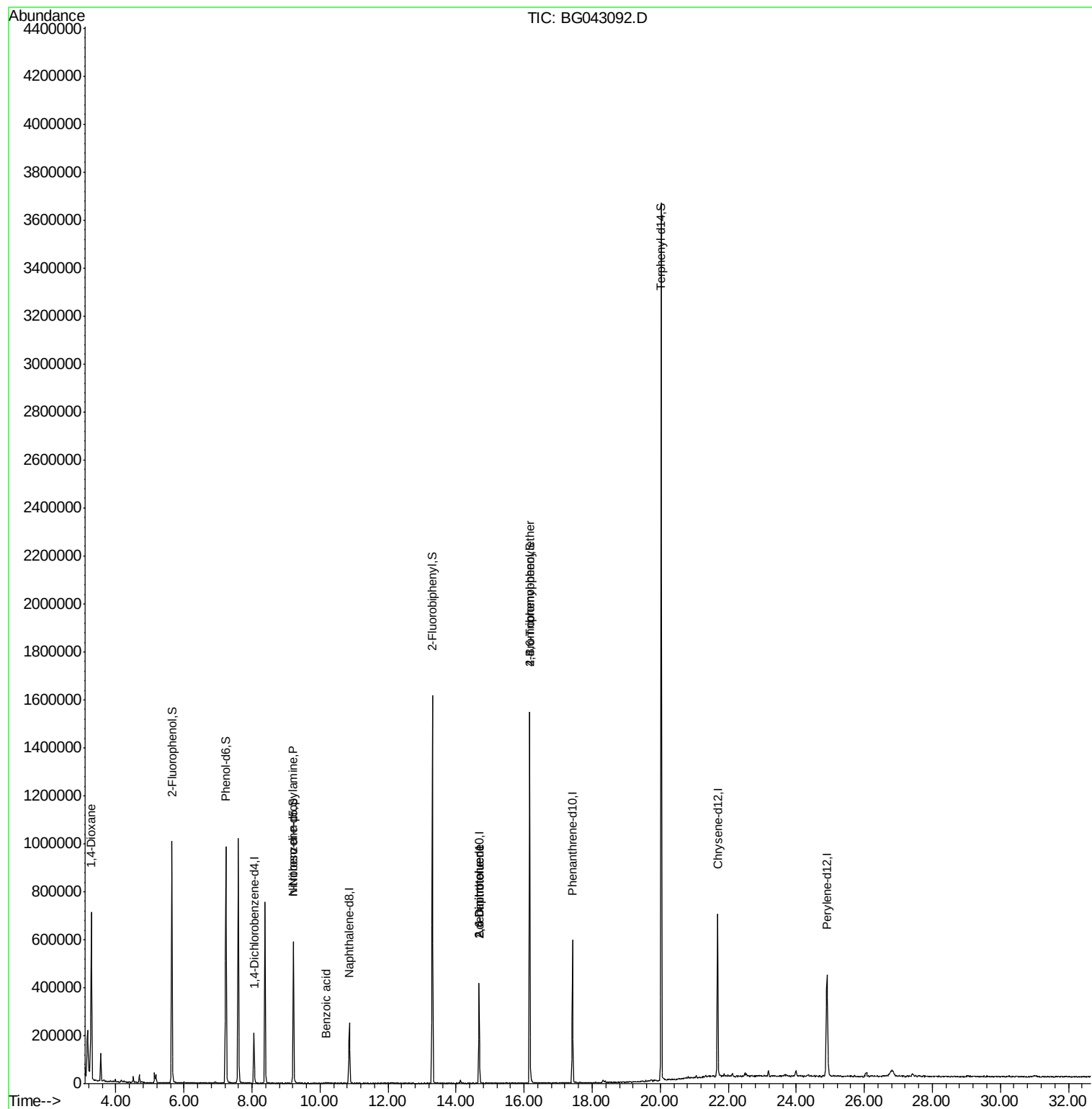
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	61774	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	220290	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	157776	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	389301	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	425294	20.00	ng	-0.03
87) Perylene-d12	24.90	264	486932	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	428189	123.70	ng	-0.01
7) Phenol-d6	7.23	99	590692	118.50	ng	-0.01
23) Nitrobenzene-d5	9.22	82	371181	81.90	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	358233	132.04	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	913956	83.98	ng	-0.02
79) Terphenyl-d14	20.03	244	1868737	93.63	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.28	88	7845	5.436	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	51616	15.770	ng	# 66
32) Benzoic acid	10.18	122	879	3.235	ng	# 76
51) 2,6-Dinitrotoluene	14.68	165	20721	8.231	ng	# 22
57) 2,4-Dinitrotoluene	14.68	165	20721	5.621	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	23276	4.764	ng	# 1

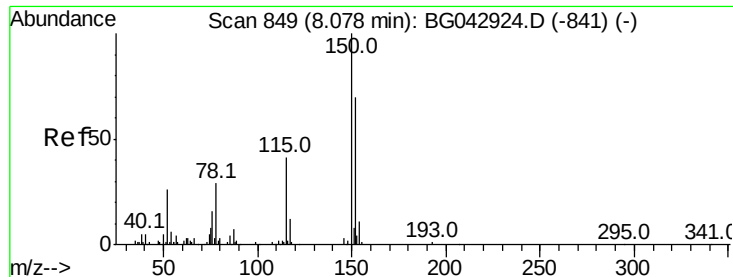
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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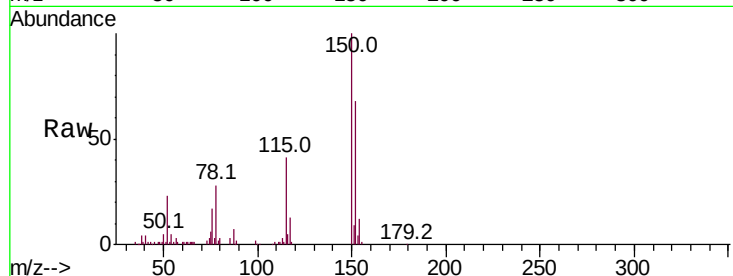


#1

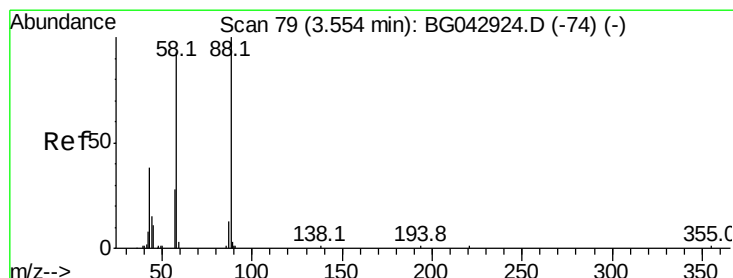
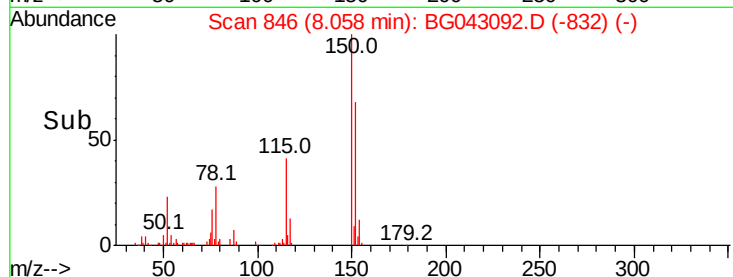
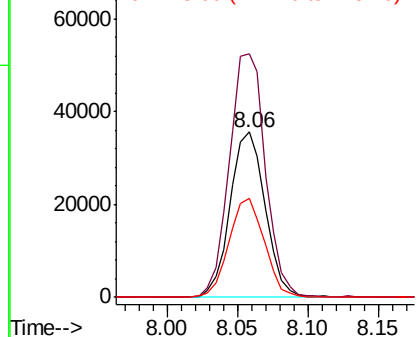
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61774
Ion Ratio Lower Upper
152 100
150 147.4 115.0 172.4
115 60.1 47.0 70.6



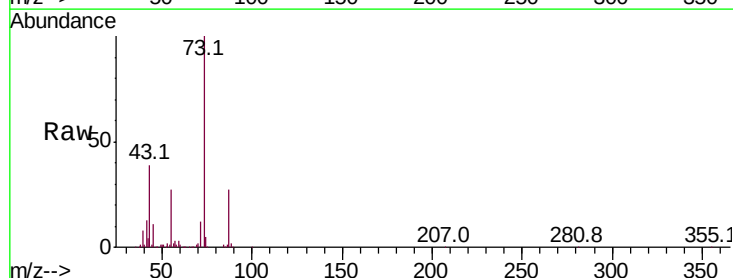
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



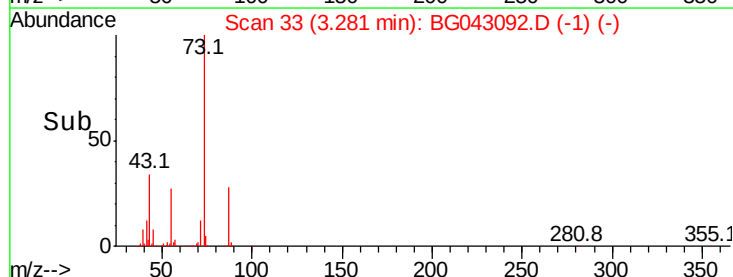
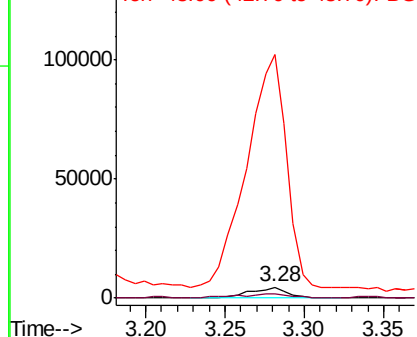
#2

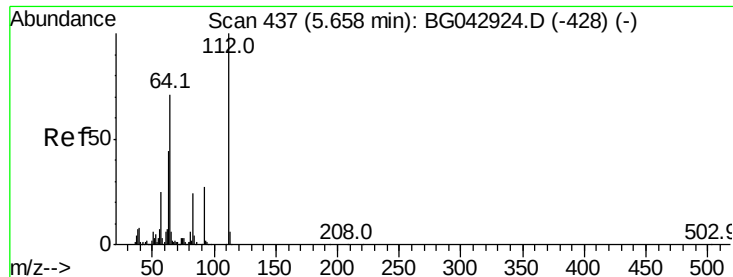
1,4-Dioxane
Concen: 5.436 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.27 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

Tgt Ion: 88 Resp: 7845
Ion Ratio Lower Upper
88 100
58 38.4 74.3 111.5#
43 2302.0 29.8 44.8#



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: 123.702 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

Instrument :

BNA_G

ClientSampleId :

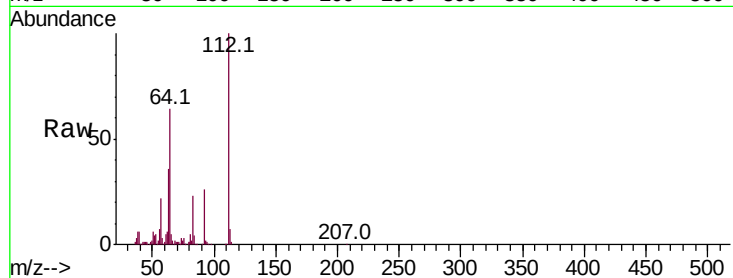
Tot Ion:112 Resp: 428189

Ion Ratio Lower Upper

112 100

64 63.7 56.6 84.8

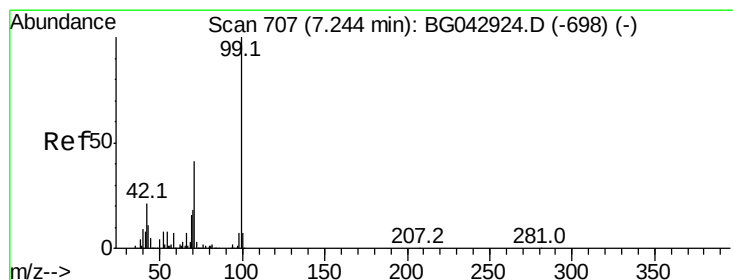
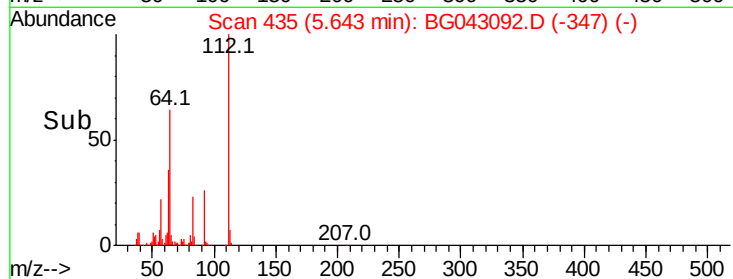
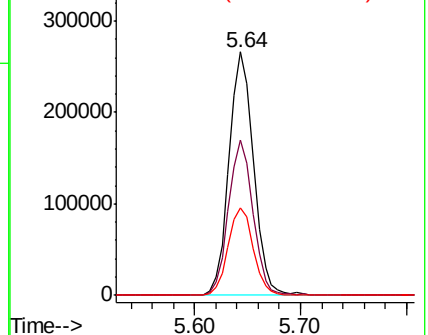
63 36.1 35.1 52.7



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: 118.501 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

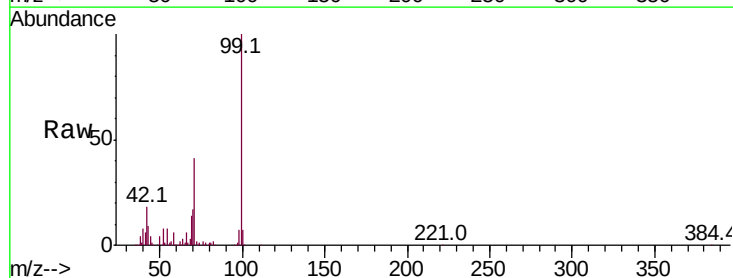
Tgt Ion: 99 Resp: 590692

Ion Ratio Lower Upper

99 100

42 18.2 17.2 25.8

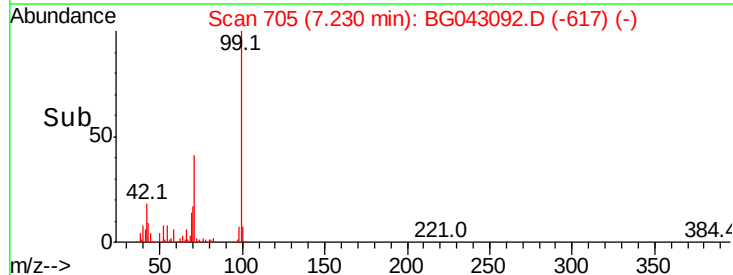
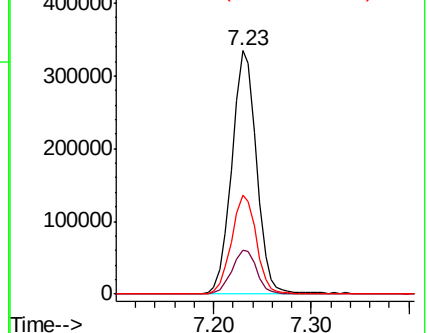
71 40.7 33.1 49.7

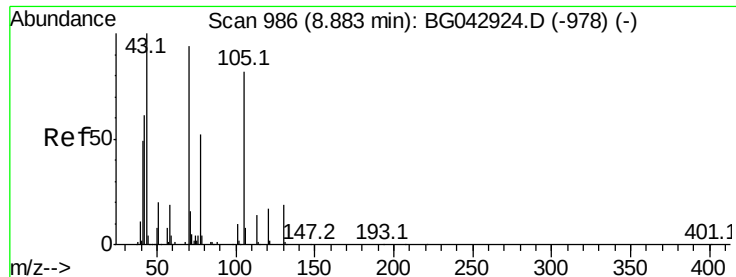


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

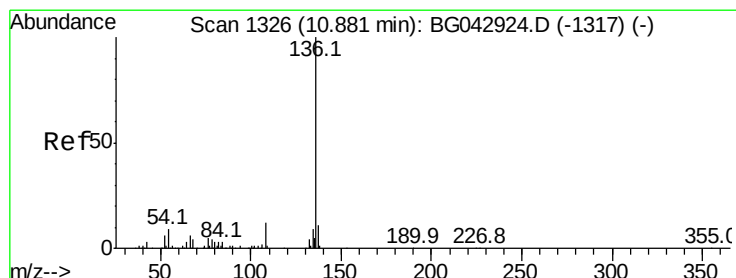
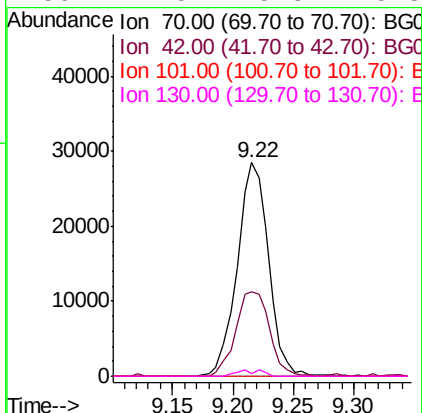
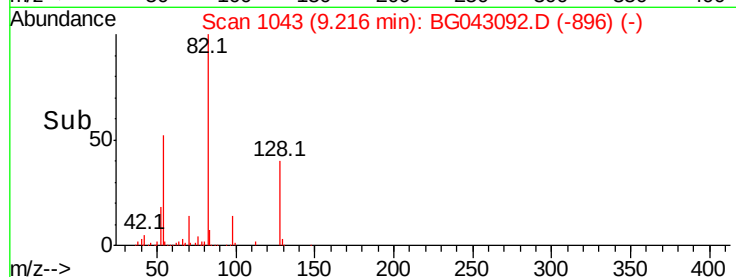
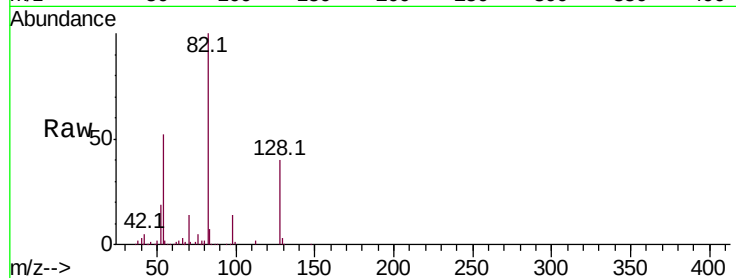




#19
n-Nitroso-di-n-propylamine
Concen: 15.770 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.33 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

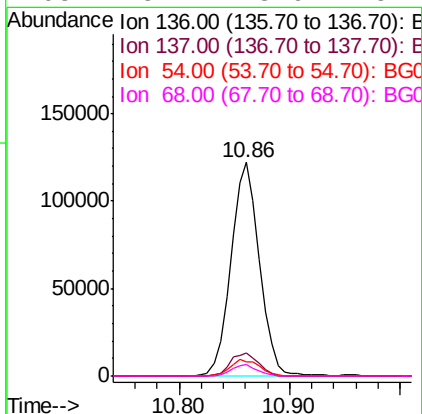
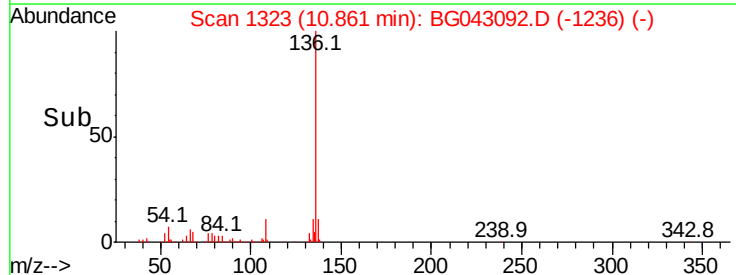
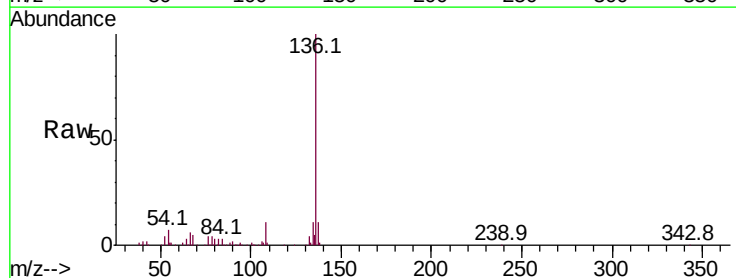
Instrument :
BNA_G
ClientSampleId :

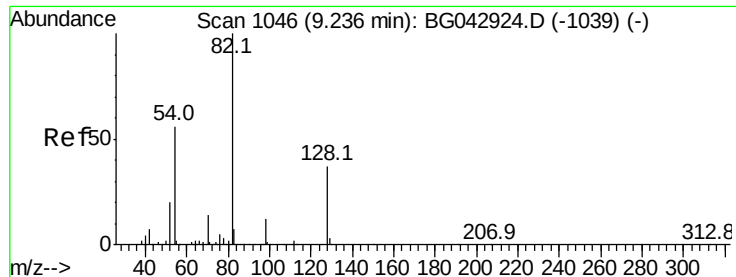
Tot Ion: 70 Resp: 51616
Ion Ratio Lower Upper
70 100
42 39.3 52.6 79.0#
101 0.0 8.7 13.1#
130 1.5 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

Tgt Ion:136 Resp: 220290
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.9 7.4 11.2#
68 5.1 3.6 5.4

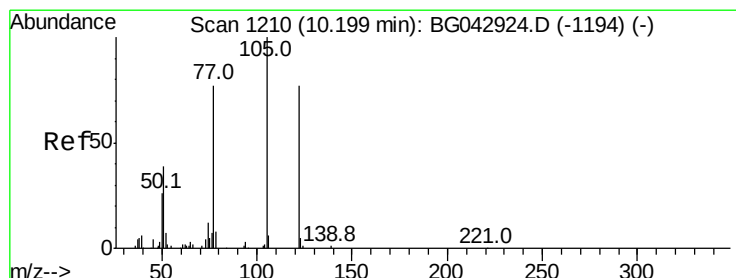
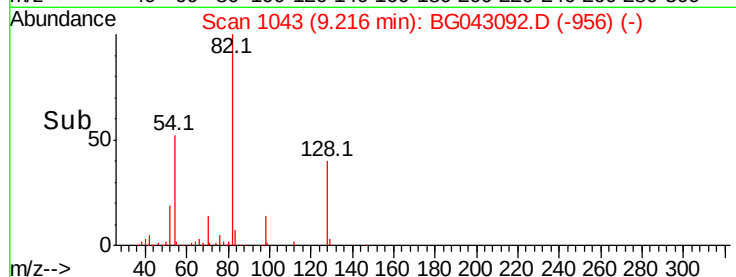
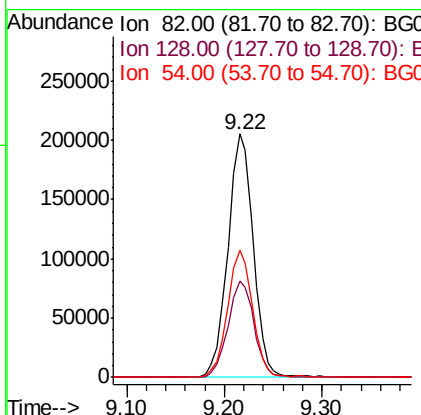
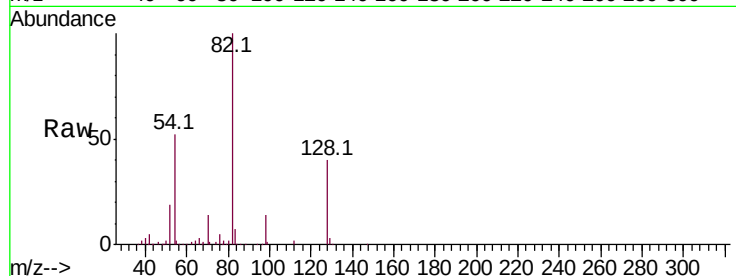




#23
 Nitrobenzene-d5
 Concen: 81.898 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.02 min
 Lab File: BG043092.D
 Acq: 8 Oct 2019 19:17

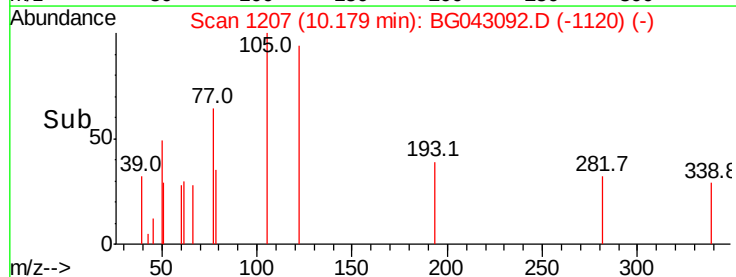
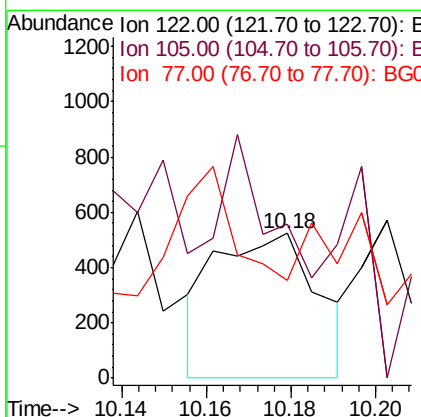
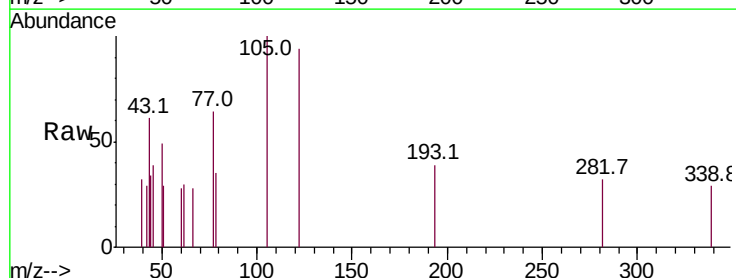
Instrument :
 BNA_G
 ClientSampled :

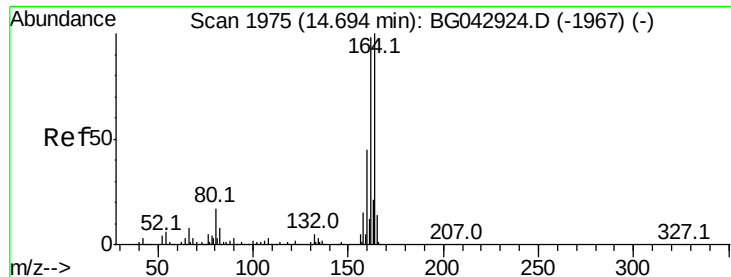
Tot Ion	82	Resp	371181
Ion Ratio	100	Lower	Upper
128	39.8	29.5	44.3
54	52.4	44.6	67.0



#32
 Benzoic acid
 Concen: 3.235 ng
 RT: 10.18 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BG043092.D
 Acq: 8 Oct 2019 19:17

Tgt Ion	122	Resp	879
Ion Ratio	100	Lower	Upper
105	106.3	107.5	147.5#
77	68.1	79.8	119.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

Instrument :

BNA_G

ClientSampled :

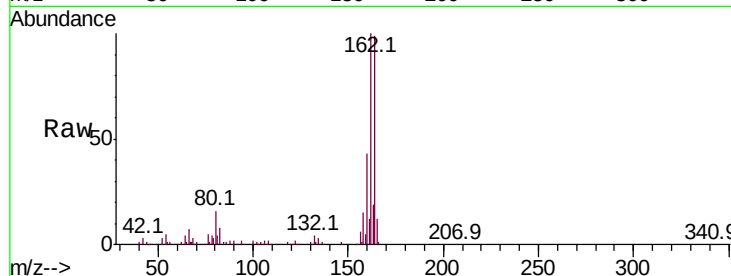
Tot Ion:164 Resp: 157776

Ion Ratio Lower Upper

164 100

162 101.5 78.5 117.7

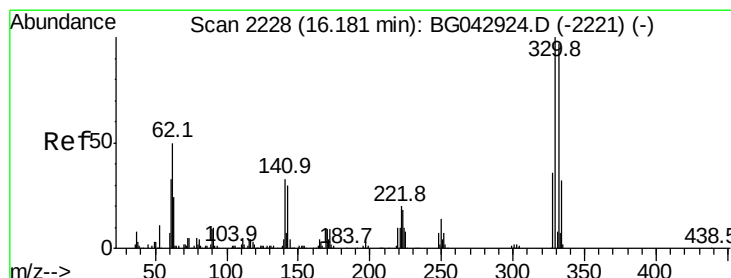
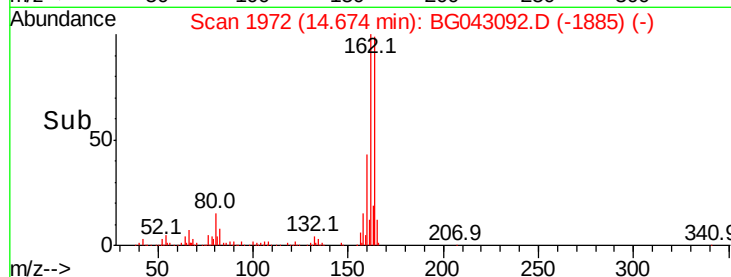
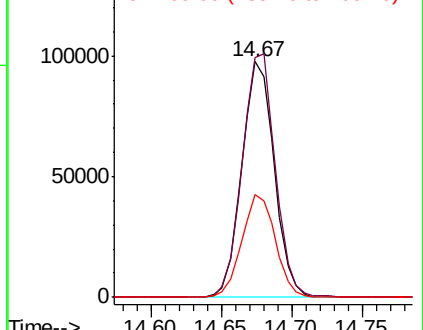
160 43.7 35.9 53.9



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: 132.040 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

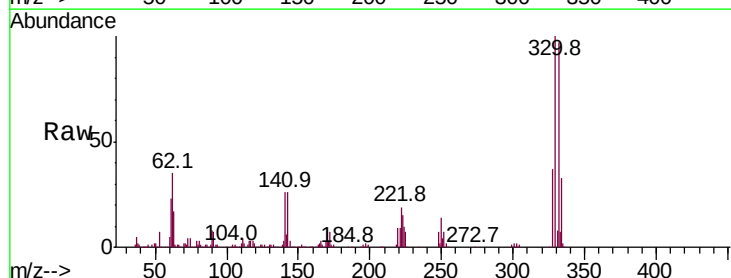
Tgt Ion:330 Resp: 358233

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

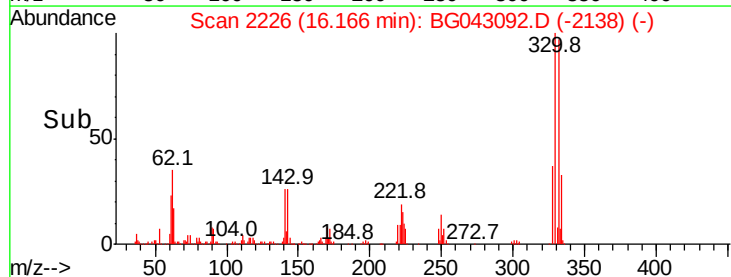
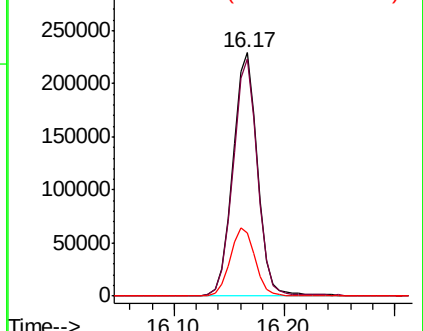
141 28.8 26.0 39.0

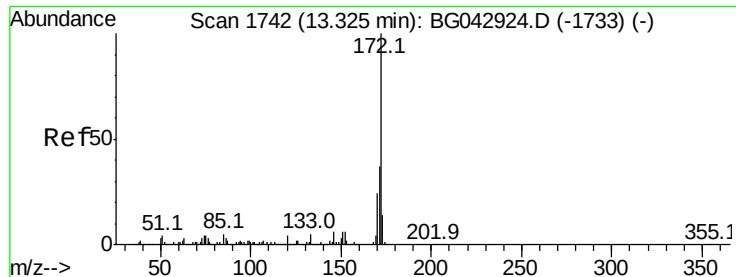


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

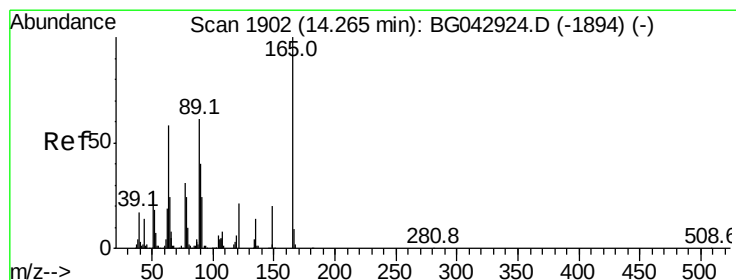
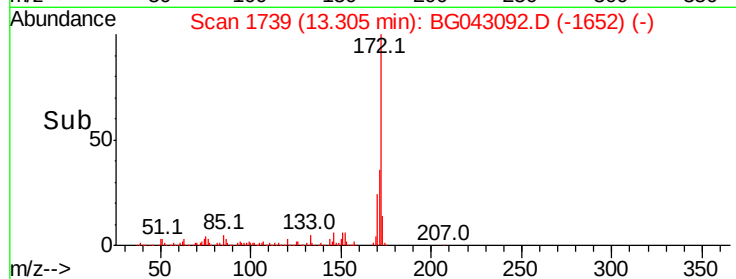
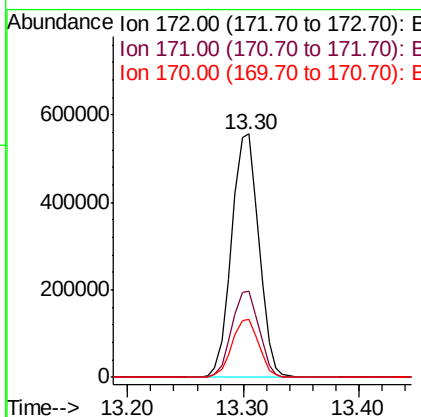
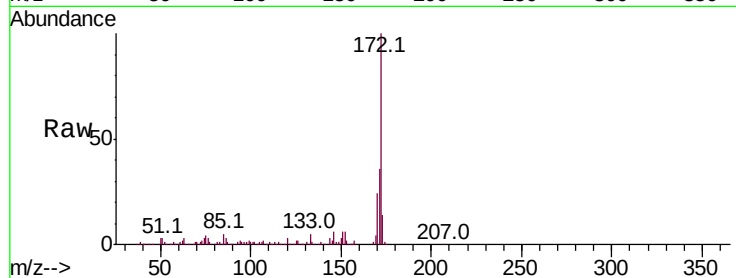




#45
2-Fluorobiphenyl
Concen: 83.977 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

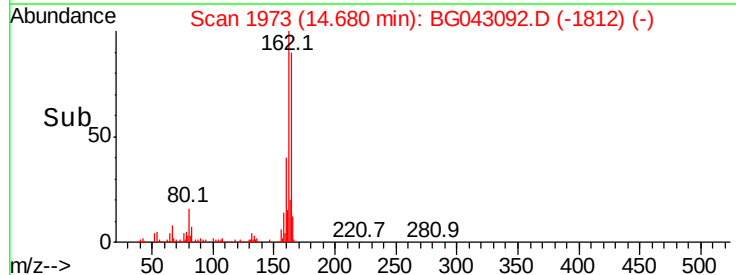
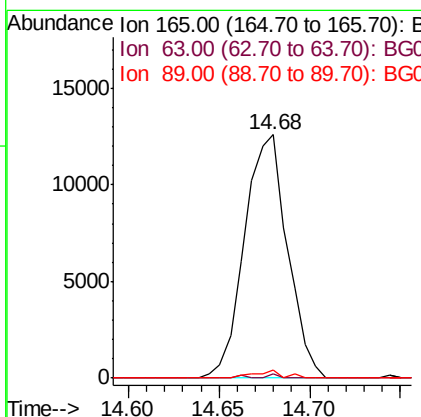
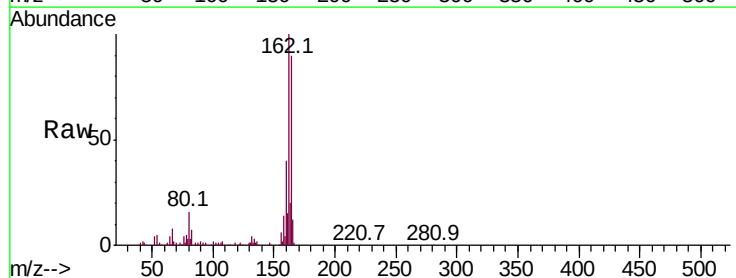
Instrument :
BNA_G
ClientSampleId :

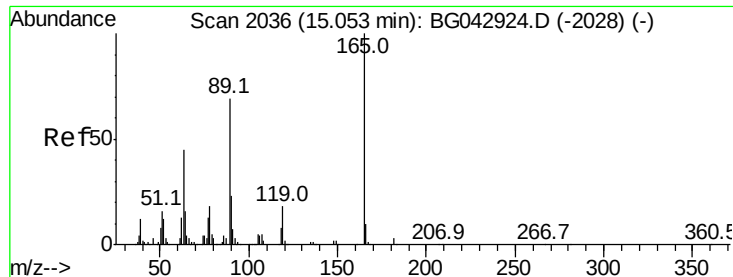
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.7	19.6	29.4



#51
2,6-Dinitrotoluene
Concen: 8.231 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.41 min
Lab File: BG043092.D
Acq: 8 Oct 2019 19:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.3	75.5#
89	3.1	48.9	73.3#





#57

2,4-Dinitrotoluene

Concen: 5.621 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043092.D

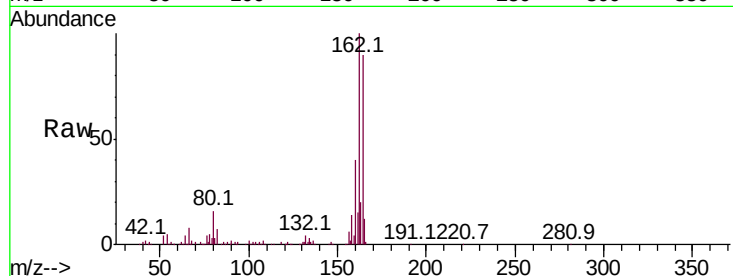
Acq: 8 Oct 2019 19:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	20721
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.5 54.7#
89	3.1	55.5 83.3#
182	0.0	2.4 3.6#

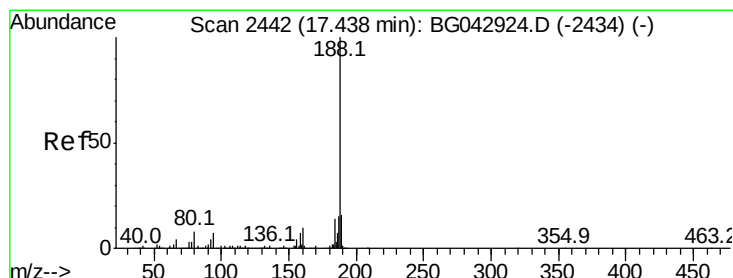
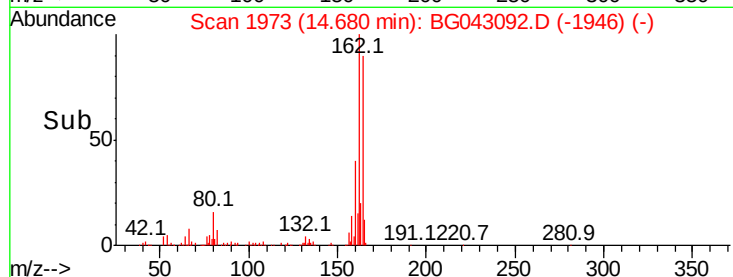
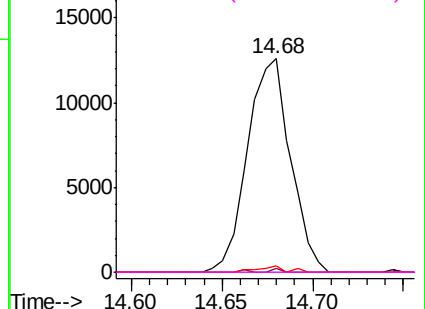


Abundance Ion 165.00 (164.70 to 165.70): E

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

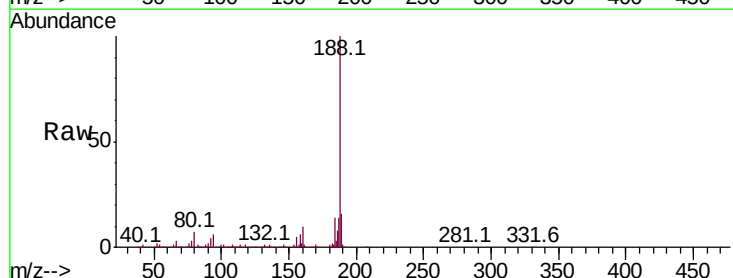
RT: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

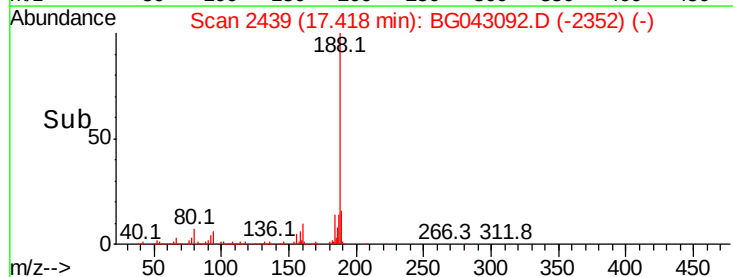
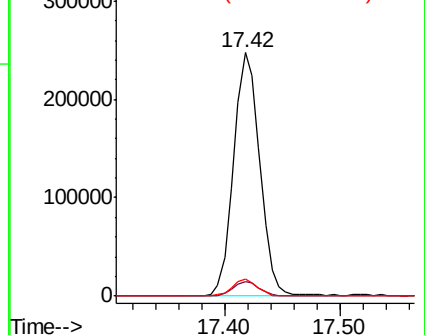
Tgt Ion:188	Resp:	389301
Ion Ratio	Lower	Upper
188	100	
94	6.0	5.7 8.5
80	6.9	6.5 9.7

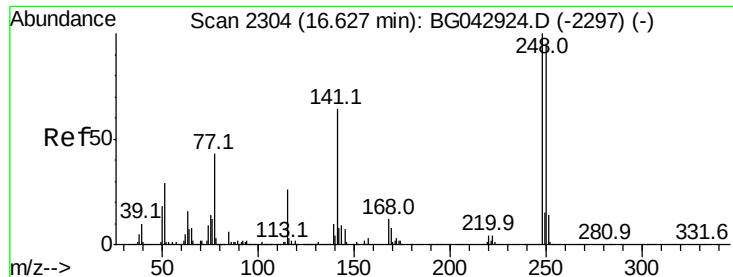


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

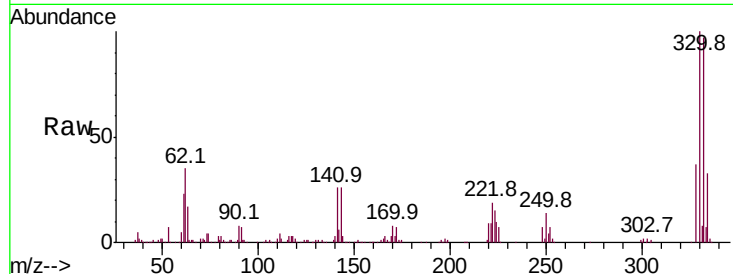




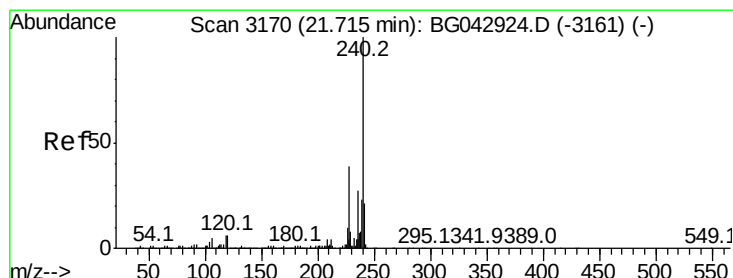
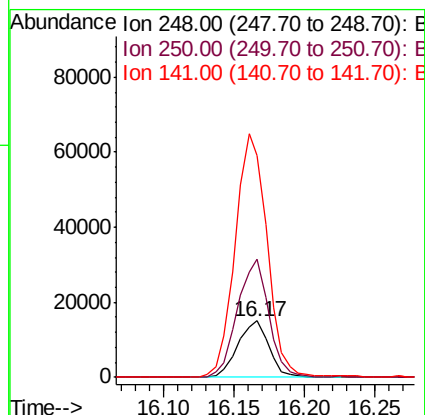
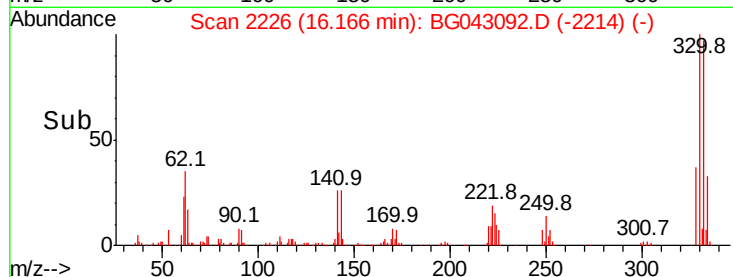
#67
 4-Bromophenyl-phenylether
 Concen: 4.764 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043092.D
 Acq: 8 Oct 2019 19:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 23276
 Ion Ratio Lower Upper
 248 100
 250 208.8 75.8 113.8#
 141 391.6 51.1 76.7#

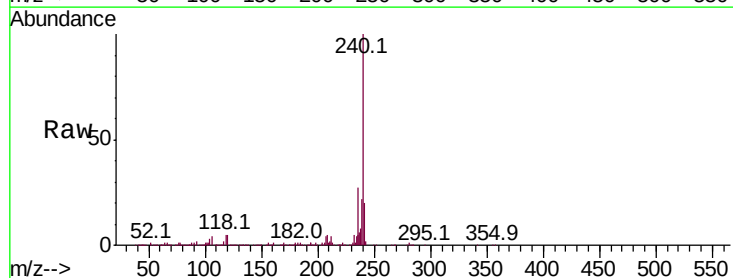


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

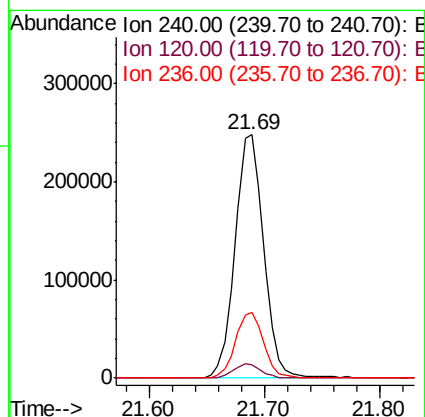
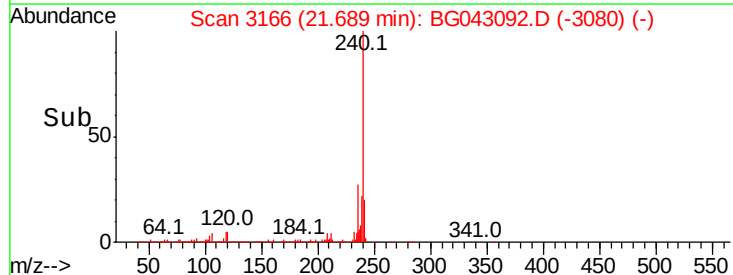


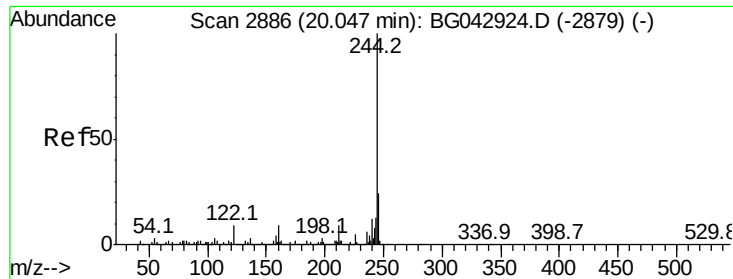
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.03 min
 Lab File: BG043092.D
 Acq: 8 Oct 2019 19:17

Tgt Ion:240 Resp: 425294
 Ion Ratio Lower Upper
 240 100
 120 5.4 4.8 7.2
 236 27.1 21.4 32.0



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





#79

Terphenyl-d14

Concen: 93.631 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

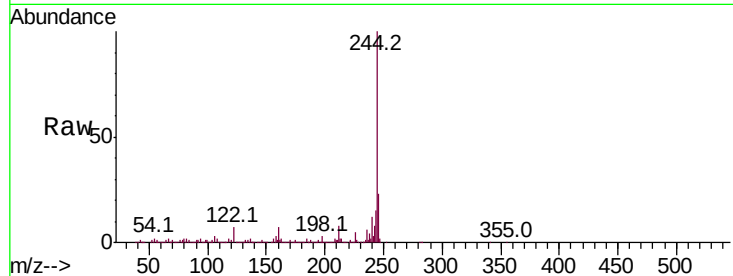
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1868737

Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.4	11.0
122	7.1	7.0	10.4

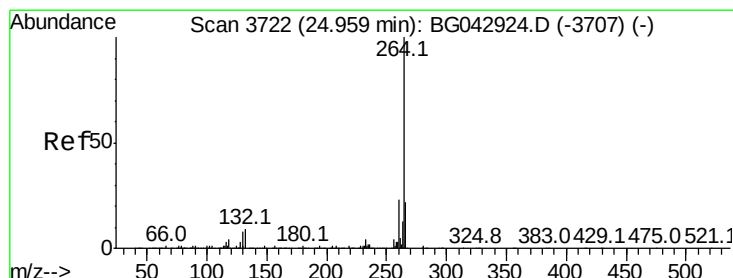
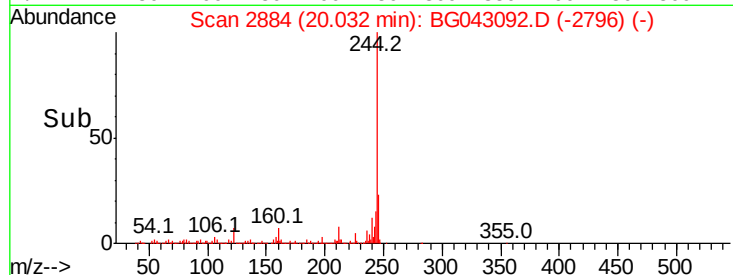
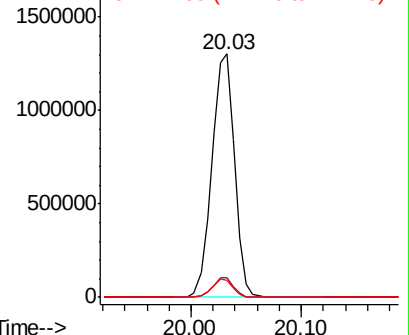


Abundance

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: 24.90 min Scan# 3712

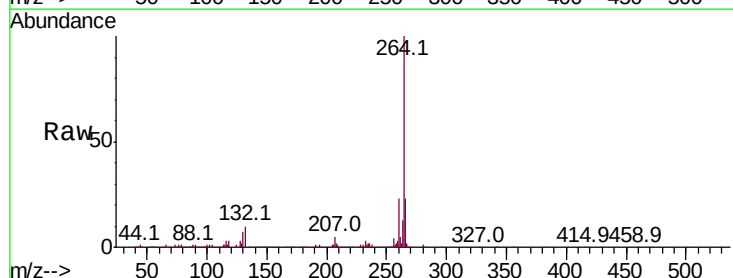
Delta R.T. -0.06 min

Lab File: BG043092.D

Acq: 8 Oct 2019 19:17

Tgt Ion:264 Resp: 486932

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	22.6	17.7	26.5



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

