

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042873.D
 Acq On : 17 Sep 2019 18:45
 Operator : HP/JU
 Sample : PB123133BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 01:51:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

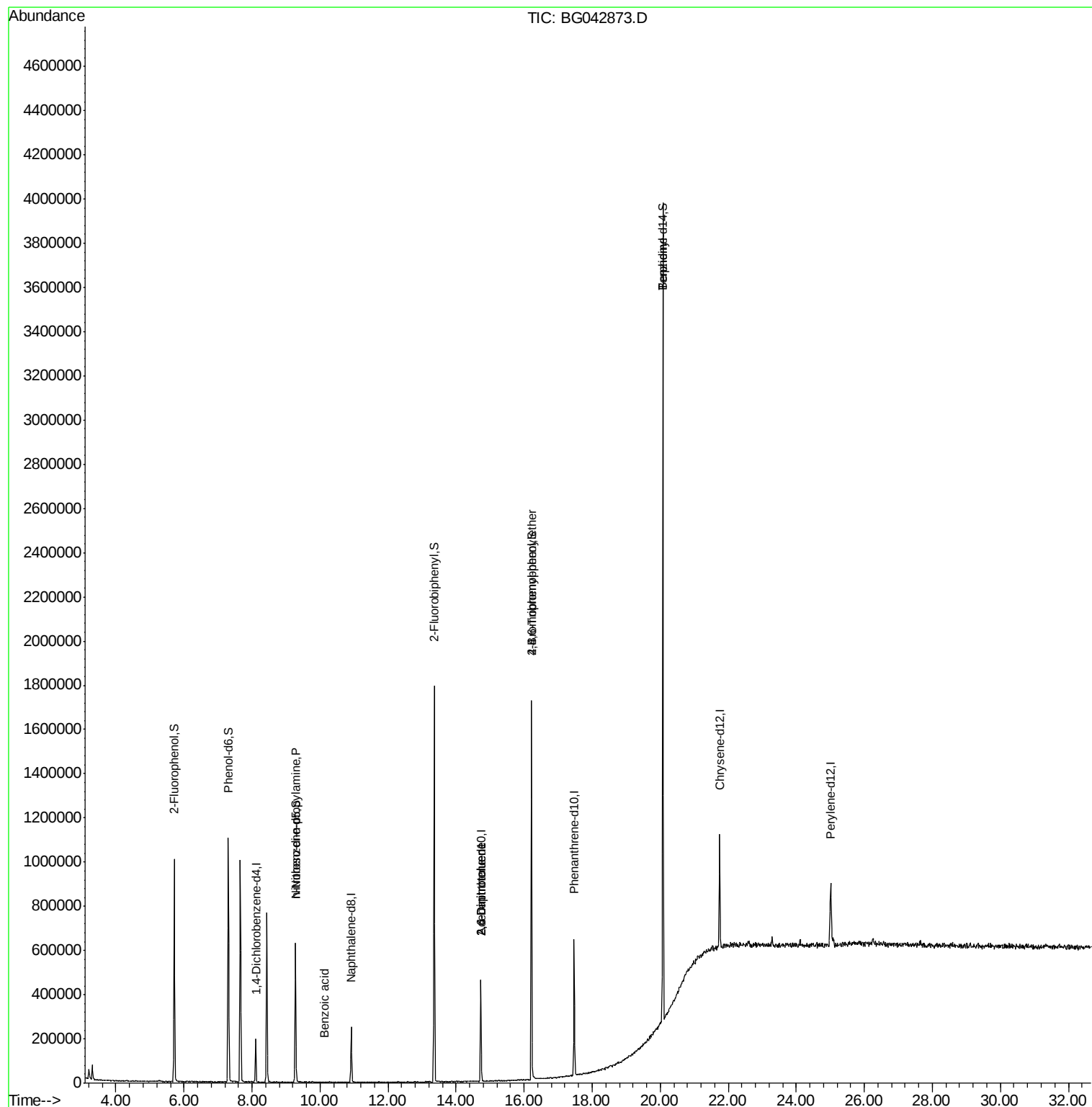
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51420	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	206007	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	156325	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	387322	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	316263	20.00	ng	-0.01
87) Perylene-d12	25.01	264	329925	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	373768	126.37	ng	0.03
7) Phenol-d6	7.31	99	575088	135.47	ng	0.04
23) Nitrobenzene-d5	9.27	82	370309	93.59	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	333988	160.59	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	974831	98.71	ng	-0.01
79) Terphenyl-d14	20.08	244	1675219	117.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	52248	16.703	ng	# 77
32) Benzoic acid	10.12	122	97	6.001	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	21747	9.050	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	21747	6.790	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	21429	4.571	ng	# 1
77) Benzidine	20.08	184	31591	3.575	ng	# 95

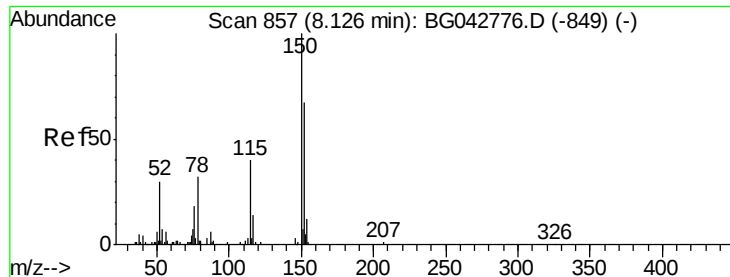
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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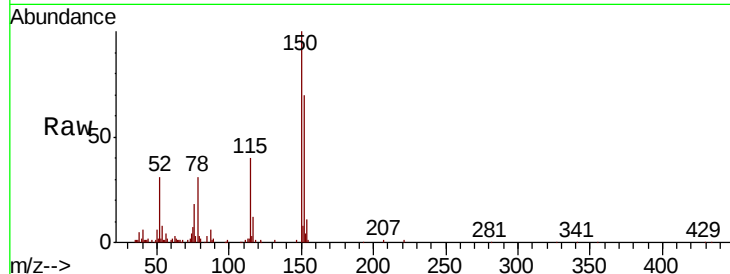


#1

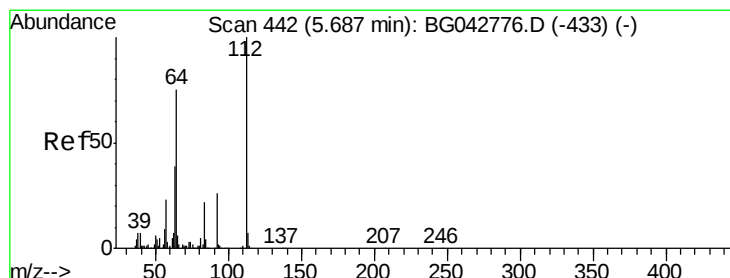
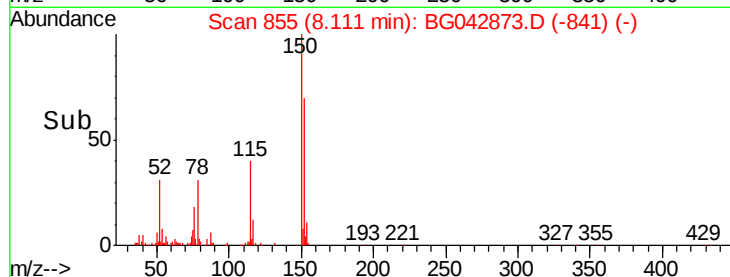
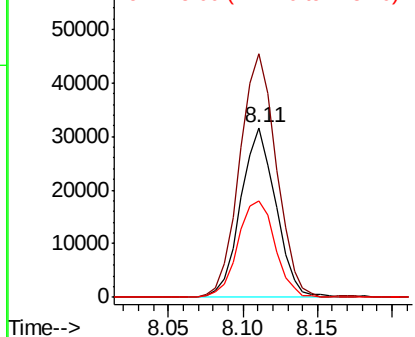
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51420
Ion Ratio Lower Upper
152 100
150 143.4 118.9 178.3
115 57.0 47.4 71.2



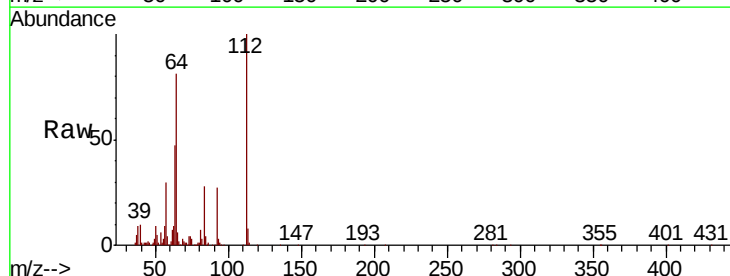
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



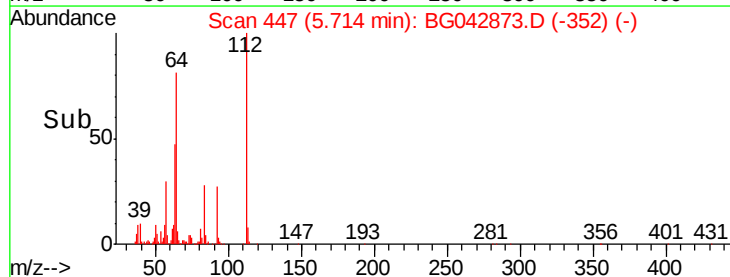
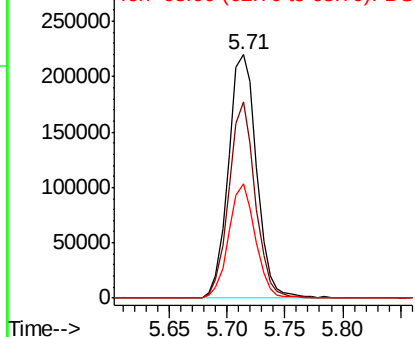
#5

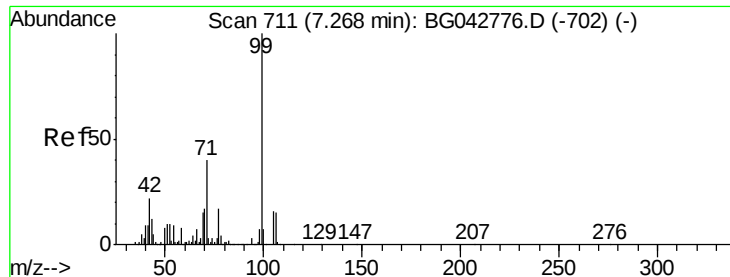
2-Fluorophenol
Concen: 126.374 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.03 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:112 Resp: 373768
Ion Ratio Lower Upper
112 100
64 80.5 60.2 90.2
63 46.7 31.2 46.8



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: 135.467 ng

RT: 7.31 min Scan# 718

Delta R.T. 0.04 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA_G

ClientSampleId :

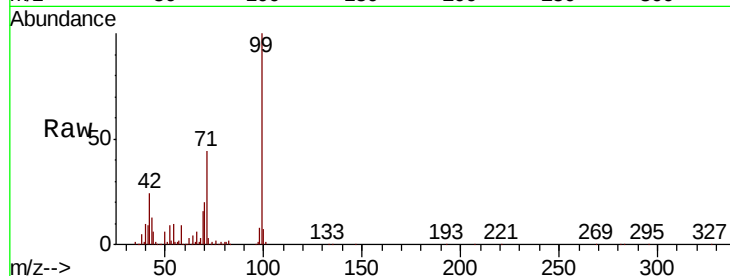
Tot Ion: 99 Resp: 575088

Ion Ratio Lower Upper

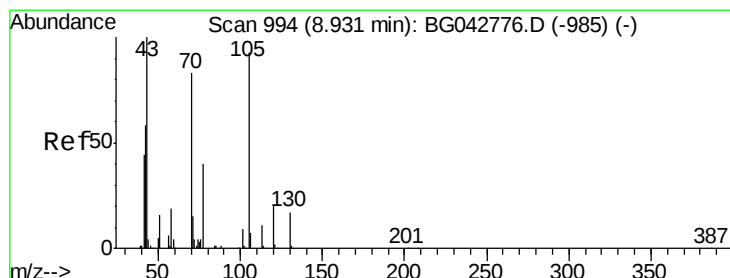
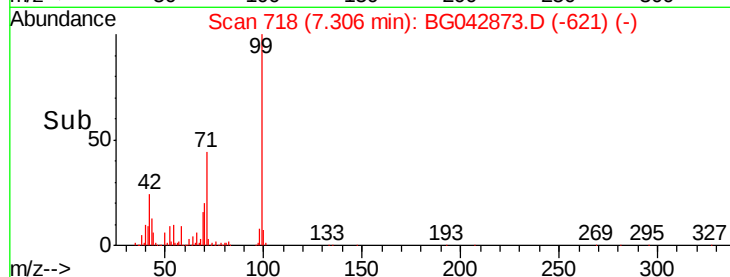
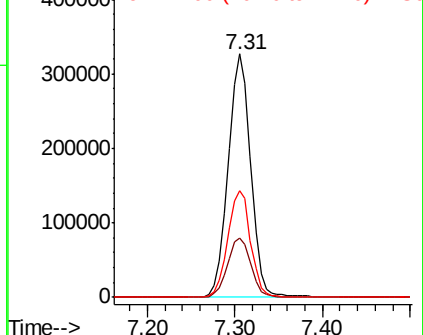
99 100

42 24.4 17.5 26.3

71 43.7 32.0 48.0



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: 16.703 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Tgt Ion: 70 Resp: 52248

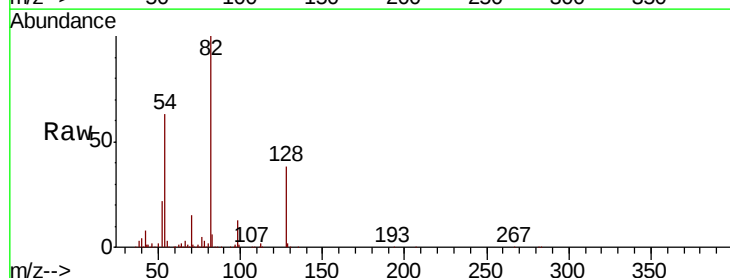
Ion Ratio Lower Upper

70 100

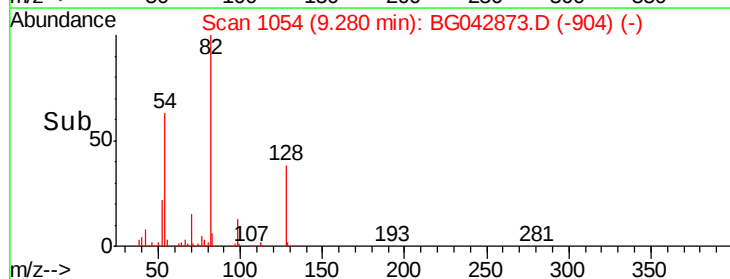
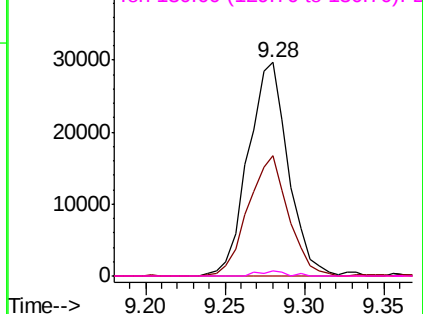
42 56.1 57.0 85.6#

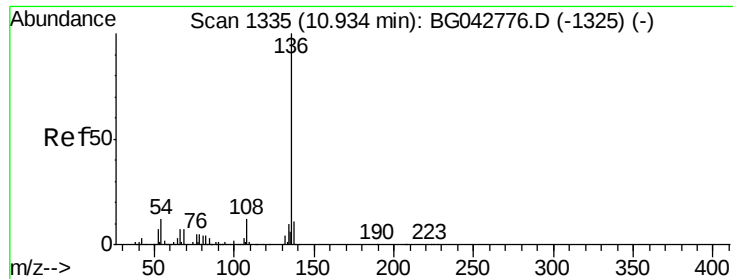
101 0.0 8.4 12.6#

130 2.3 16.1 24.1#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

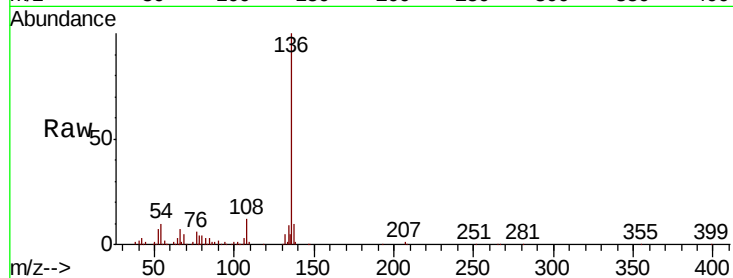




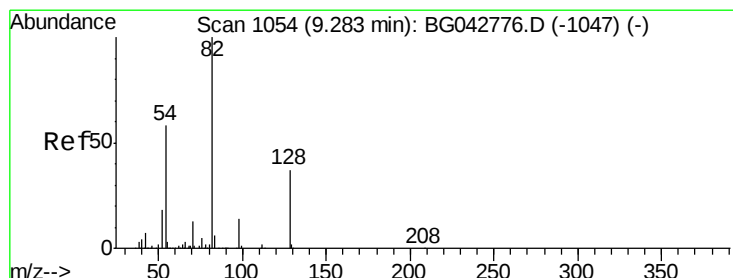
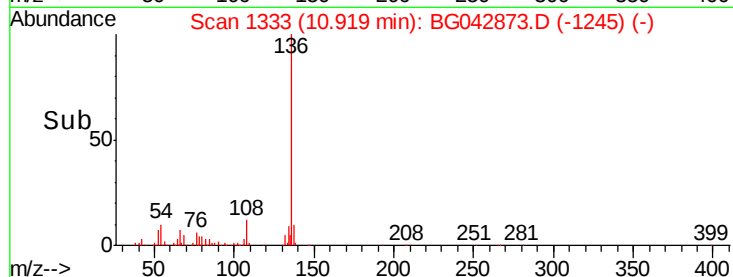
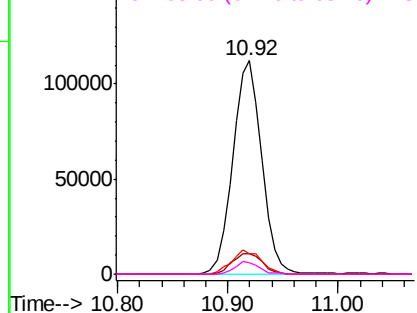
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	206007
Ion Ratio	Lower	Upper
136	100	
137	9.8	9.0 13.6
54	9.9	9.4 14.0
68	5.3	5.4 8.2#

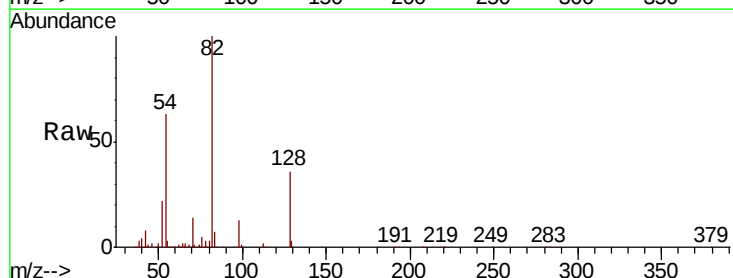


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

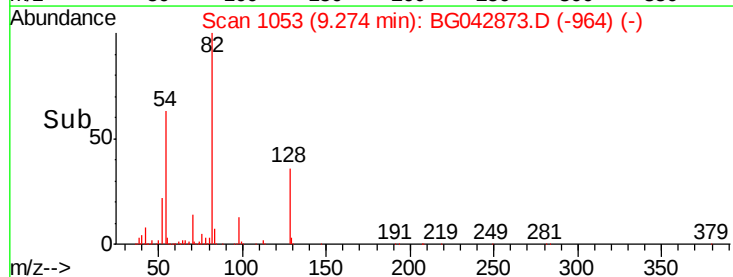
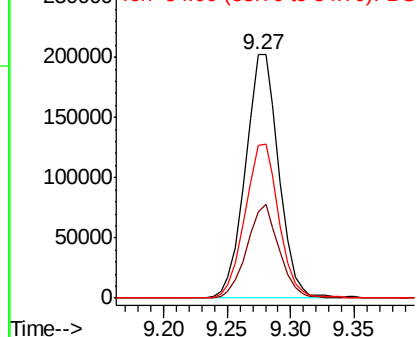


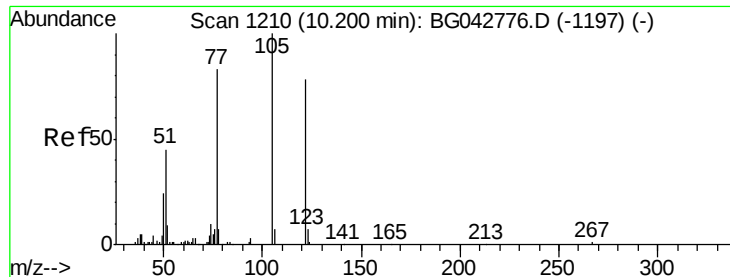
#23
Nitrobenzene-d5
Concen: 93.585 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion: 82	Resp:	370309
Ion Ratio	Lower	Upper
82	100	
128	35.6	29.8 44.8
54	62.8	46.1 69.1



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

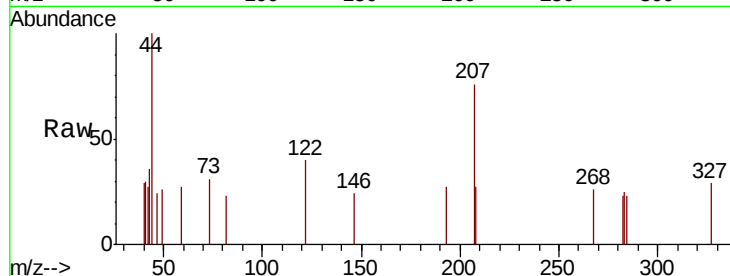




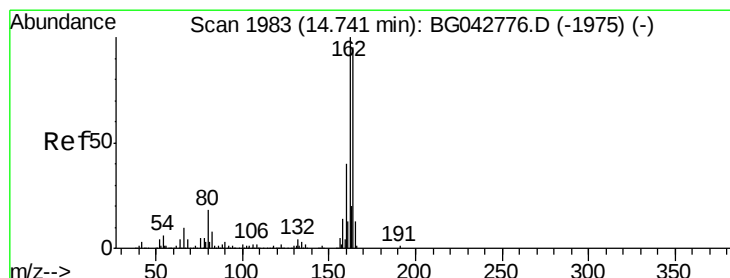
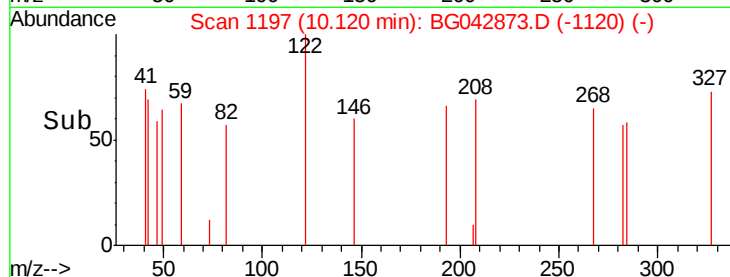
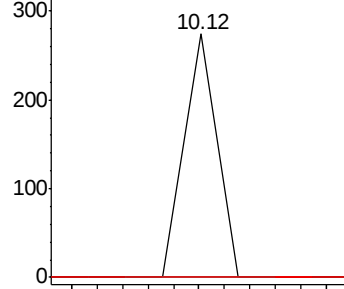
#32
Benzoic acid
Concen: 6.001 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.08 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#

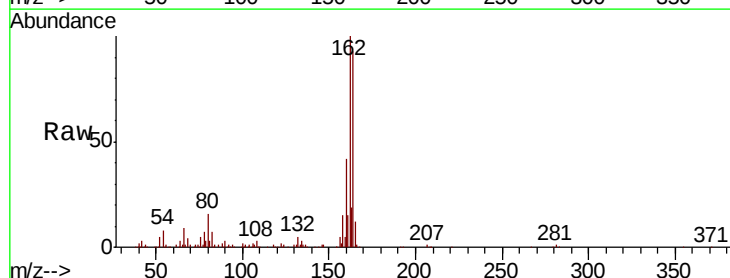


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

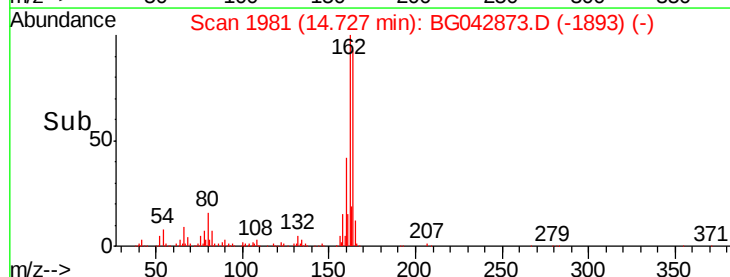
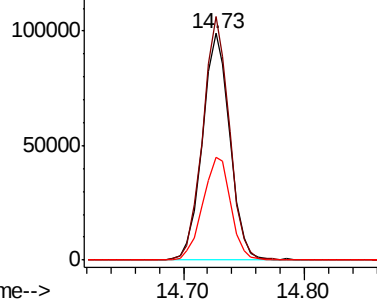


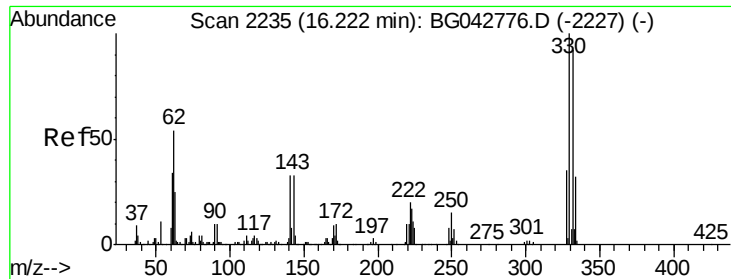
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.5	84.6	126.8
160	45.5	34.2	51.2



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

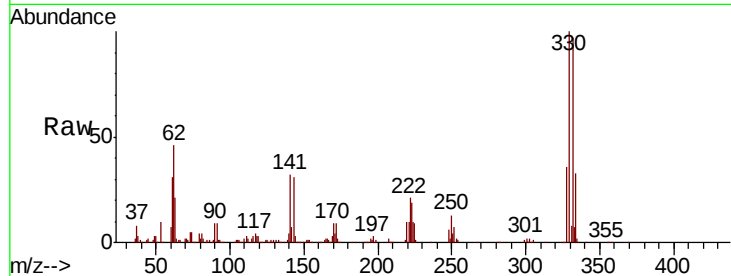




#42
 2,4,6-Tribromophenol
 Concen: 160.588 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042873.D
 Acq: 17 Sep 2019 18:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.7	115.1
141	33.1	27.0	40.6

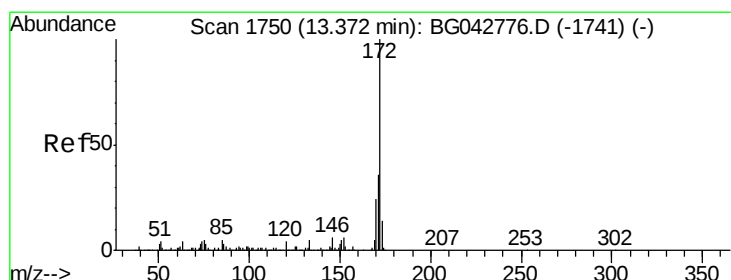
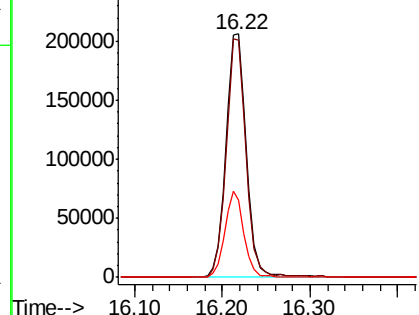
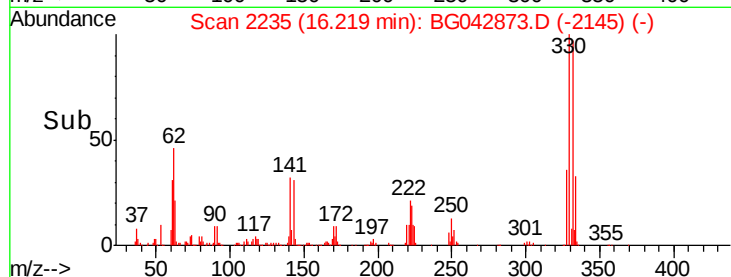


Abundance

Ion 329.80 (329.50 to 330.50): E

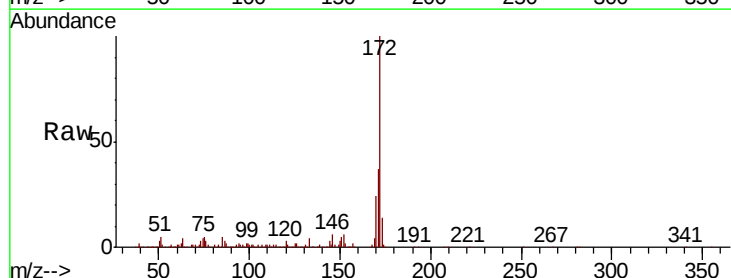
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.711 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042873.D
 Acq: 17 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.0	19.1	28.7

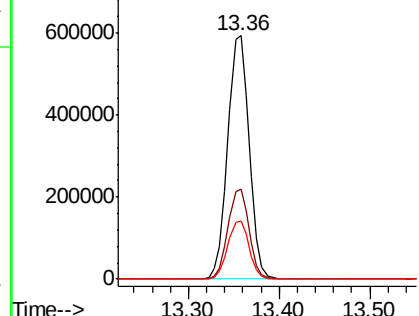
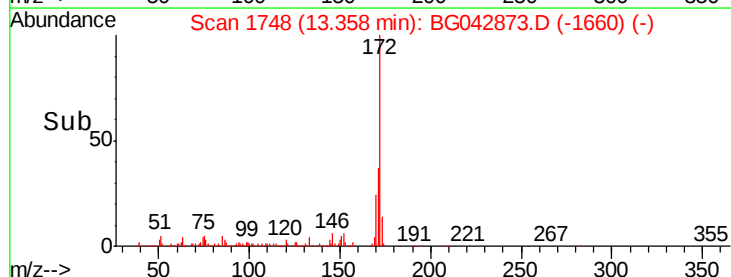


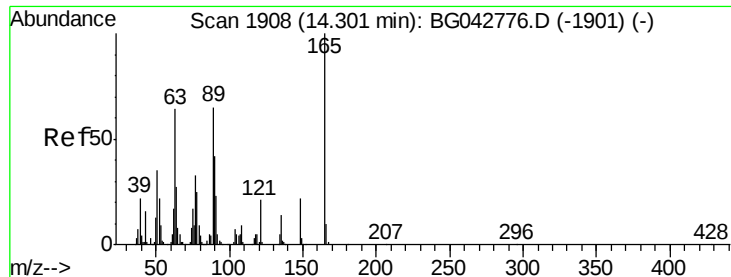
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 9.050 ng

RT: 14.73 min Scan# 1981

Delta R.T. 0.43 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA_G

ClientSampleId :

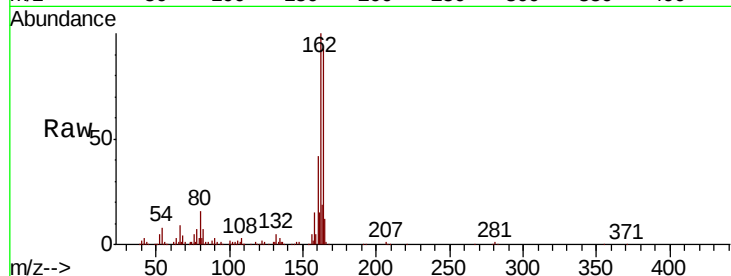
Tot Ion:165 Resp: 21747

Ion Ratio Lower Upper

165 100

63 1.4 52.1 78.1#

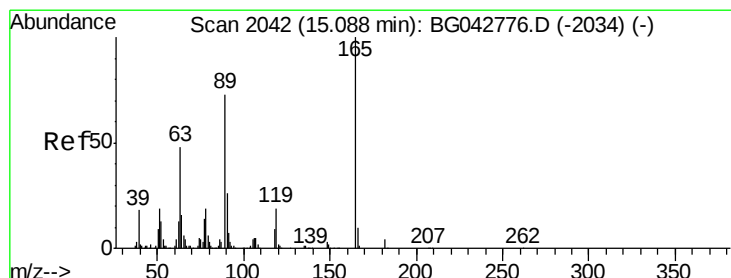
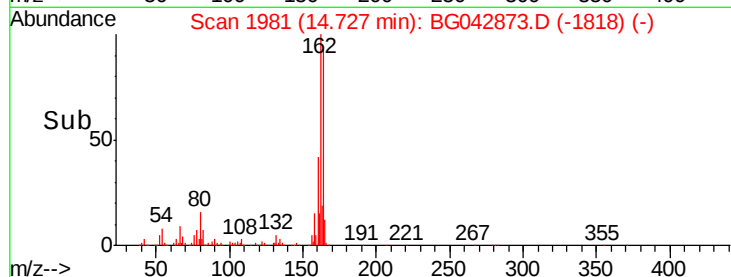
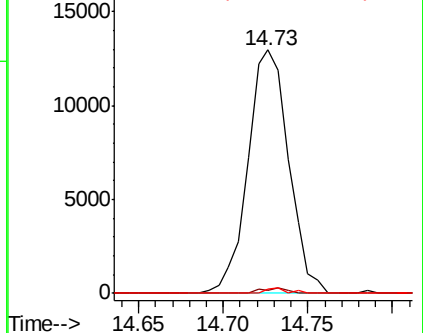
89 1.9 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.790 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.36 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Tgt Ion:165 Resp: 21747

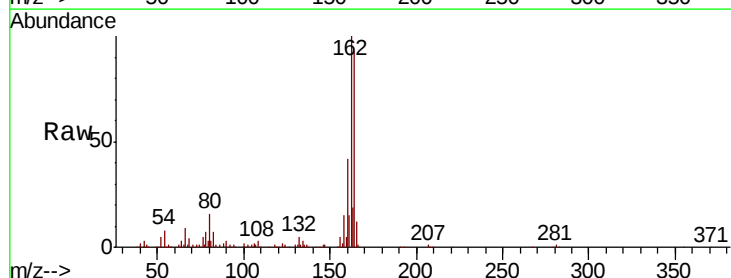
Ion Ratio Lower Upper

165 100

63 1.4 38.3 57.5#

89 1.9 58.4 87.6#

182 0.0 2.9 4.3#

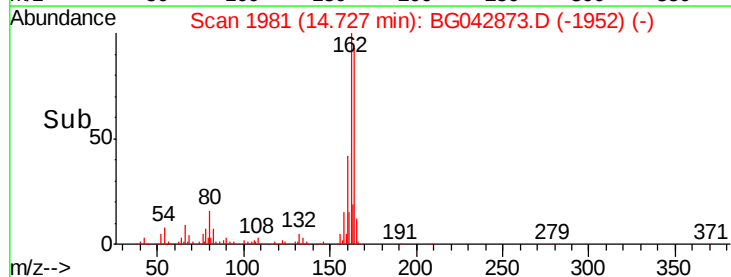
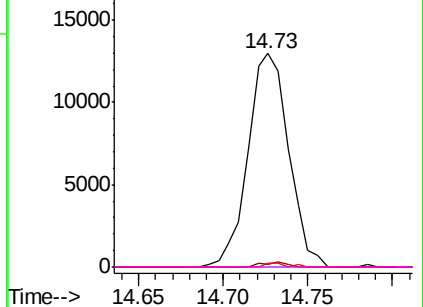


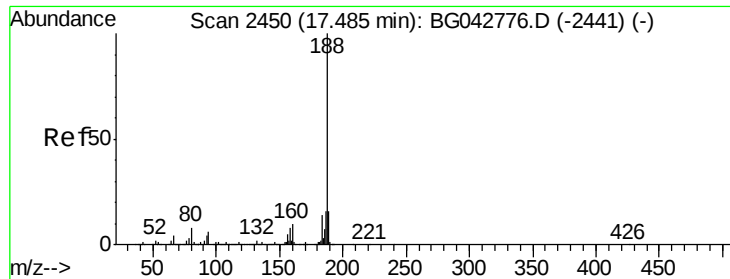
Abundance Ion 165.00 (164.70 to 165.70): E

20000 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: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA_G

ClientSampleId :

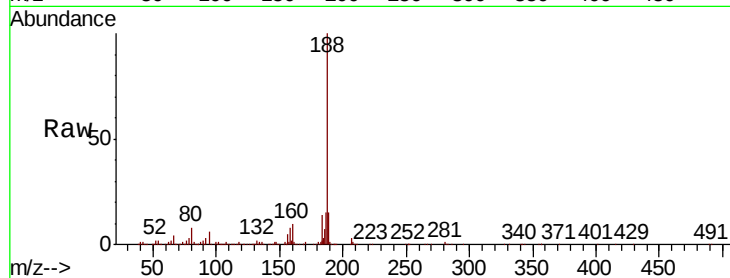
Tot Ion:188 Resp: 387322

Ion Ratio Lower Upper

188 100

94 5.9 4.8 7.2

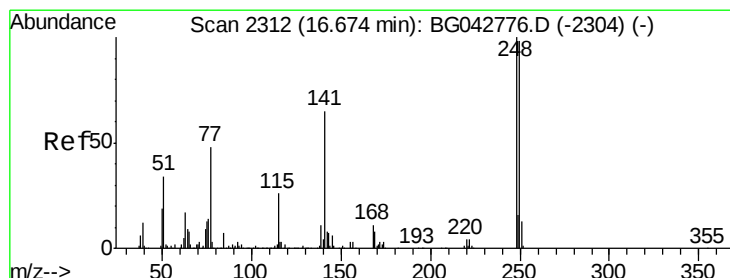
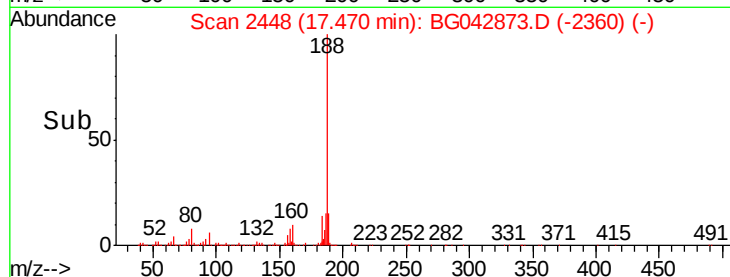
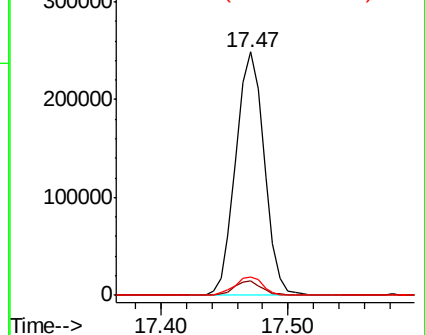
80 7.7 6.6 9.8



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: 4.571 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

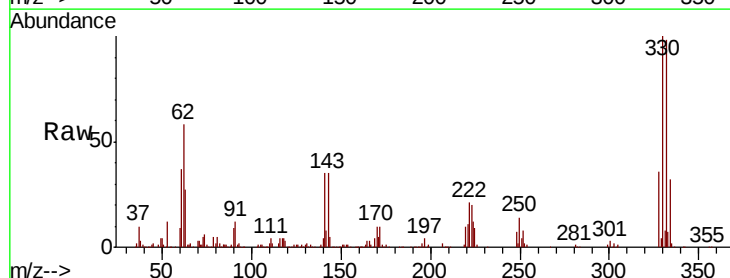
Tgt Ion:248 Resp: 21429

Ion Ratio Lower Upper

248 100

250 201.4 78.0 117.0#

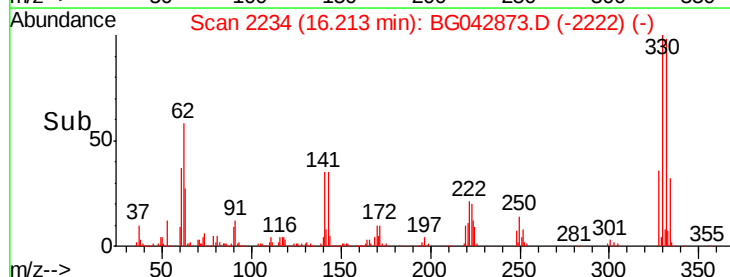
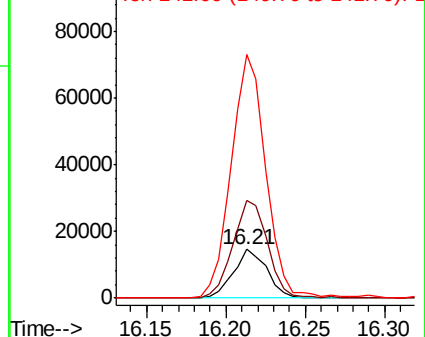
141 501.3 51.8 77.6#

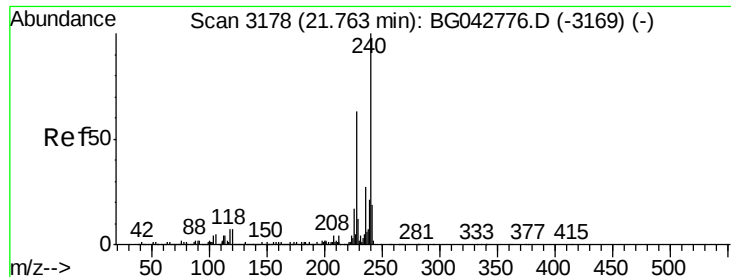


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

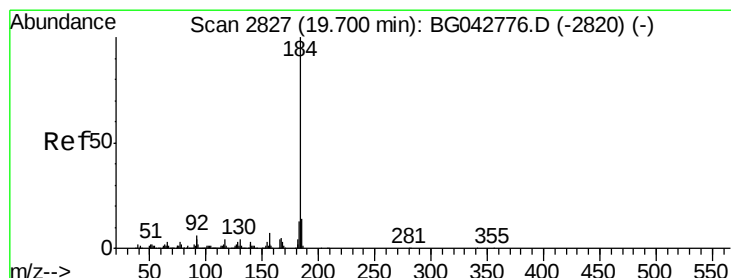
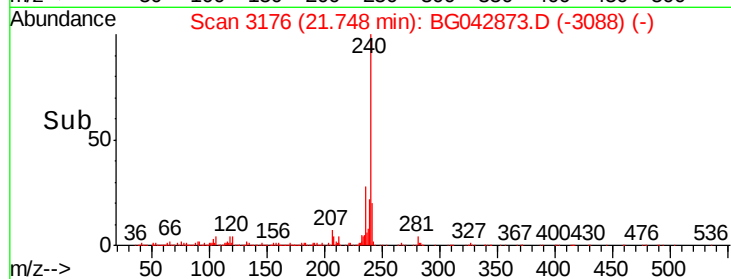
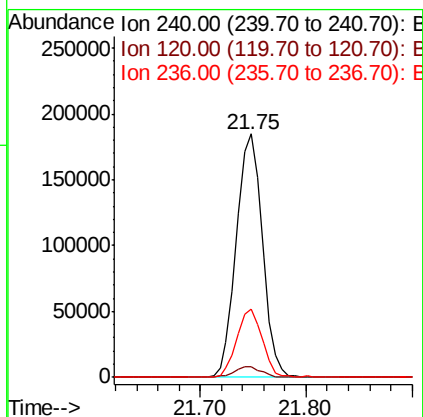
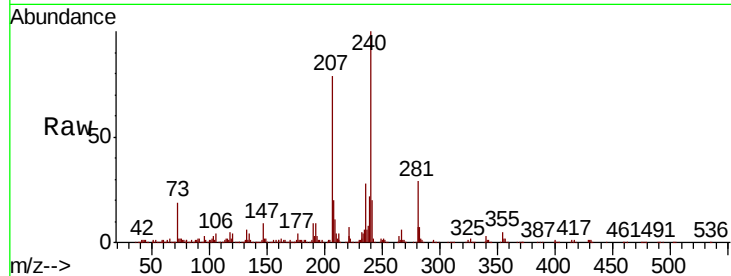




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

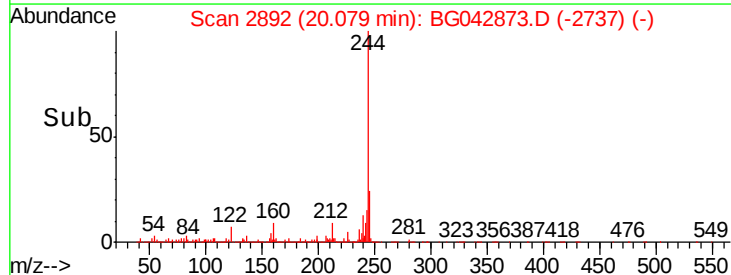
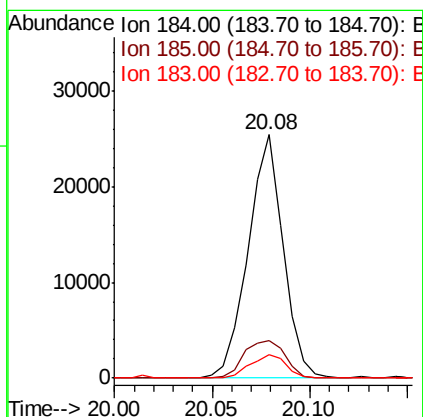
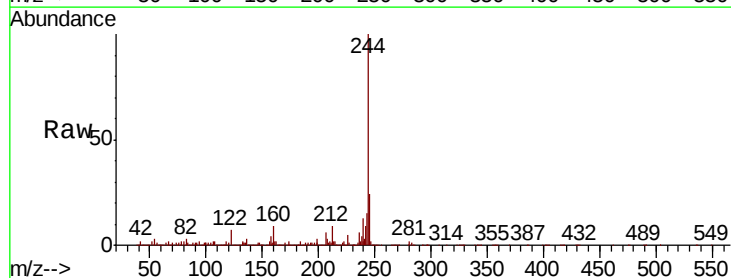
Instrument :
BNA_G
ClientSampleId :

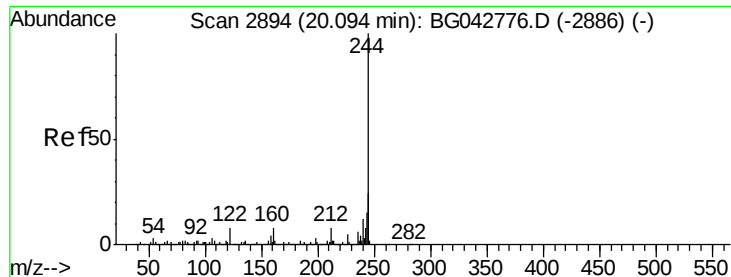
Tot Ion:240 Resp: 316263
Ion Ratio Lower Upper
240 100
120 4.4 5.4 8.2#
236 27.9 21.7 32.5



#77
Benzidine
Concen: 3.575 ng
RT: 20.08 min Scan# 2892
Delta R.T. 0.38 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:184 Resp: 31591
Ion Ratio Lower Upper
184 100
185 15.4 11.6 17.4
183 9.7 10.4 15.6#





#79

Terphenyl-d14

Concen: 117.395 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA_G

ClientSampleId :

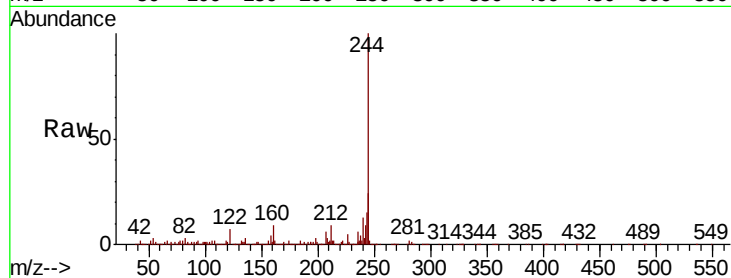
Tot Ion:244 Resp: 1675219

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

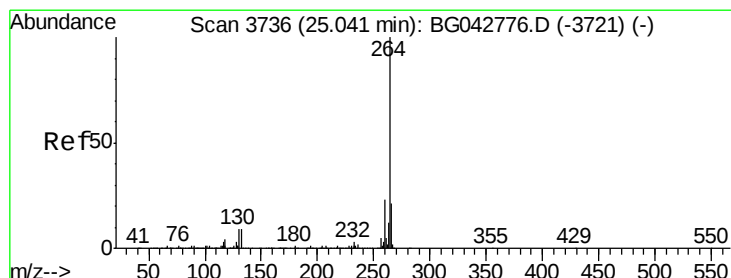
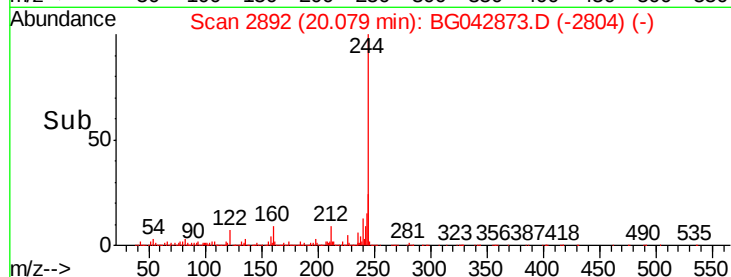
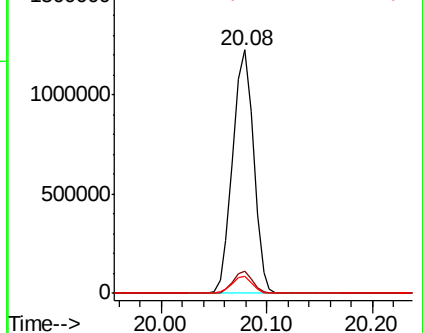
122 6.9 6.2 9.4



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: 25.01 min Scan# 3732

Delta R.T. -0.03 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

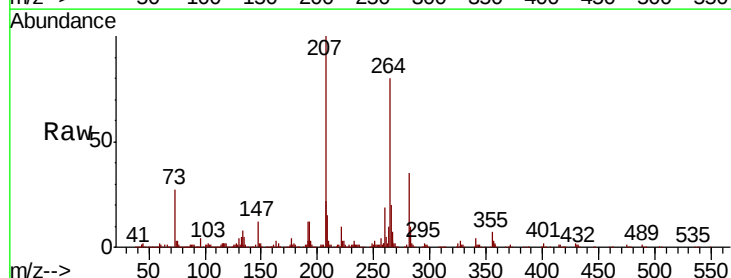
Tgt Ion:264 Resp: 329925

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 25.4 16.9 25.3#



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

