

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042807.D
 Acq On : 13 Sep 2019 8:19
 Operator : HP/JU
 Sample : K4825-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 13:07:09 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

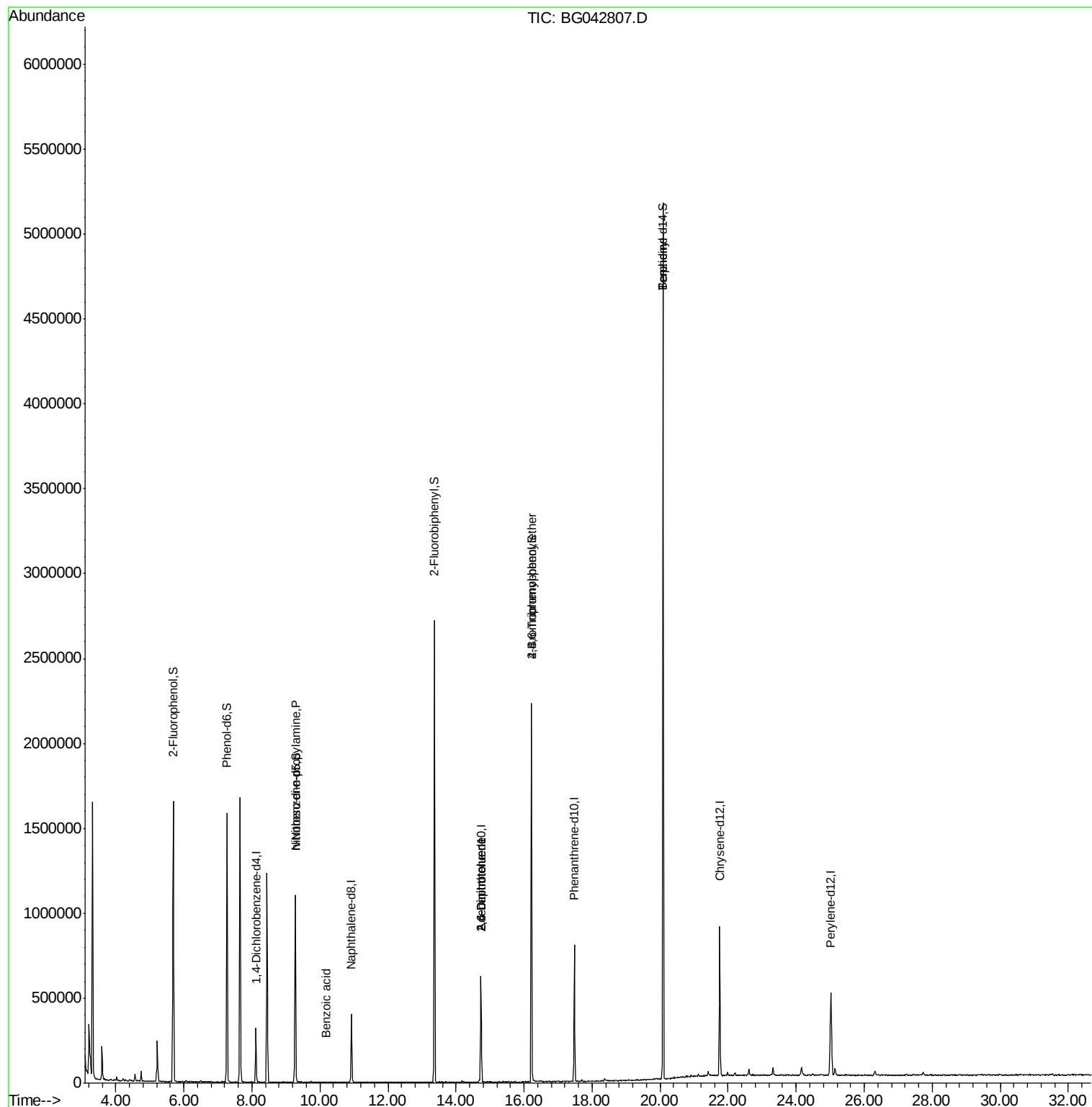
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	86314	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	320303	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	217325	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	504156	20.00	ng	0.00
76) Chrysene-d12	21.75	240	524986	20.00	ng	-0.01
87) Perylene-d12	25.02	264	566409	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	641531	129.22	ng	0.00
7) Phenol-d6	7.27	99	851443	119.48	ng	0.00
23) Nitrobenzene-d5	9.28	82	660488	107.36	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	419336	145.03	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1382251	100.68	ng	0.00
79) Terphenyl-d14	20.09	244	2348211	99.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	91684	17.461	ng	# 72
32) Benzoic acid	10.18	122	175	6.007	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	28841	8.634	ng	# 19
57) 2,4-Dinitrotoluene	14.73	165	28841	6.477	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	29920	4.903	ng	# 1
77) Benzidine	20.09	184	43858	2.990	ng	# 94

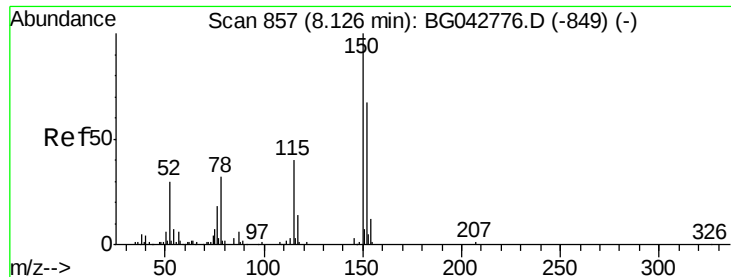
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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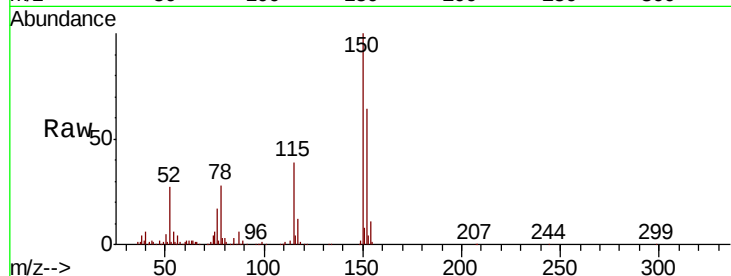


#1

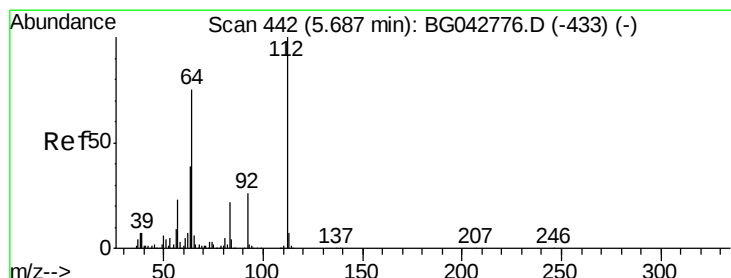
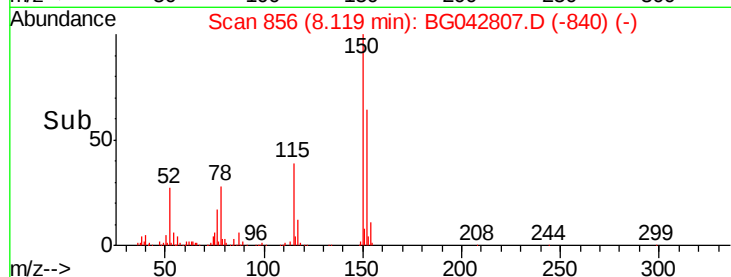
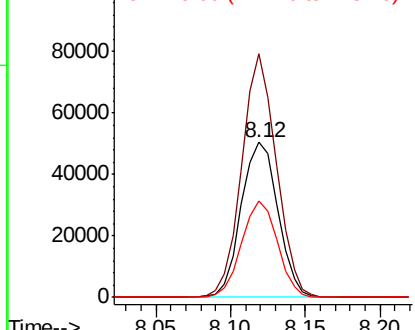
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 86314
Ion Ratio Lower Upper
152 100
150 157.2 118.9 178.3
115 61.9 47.4 71.2



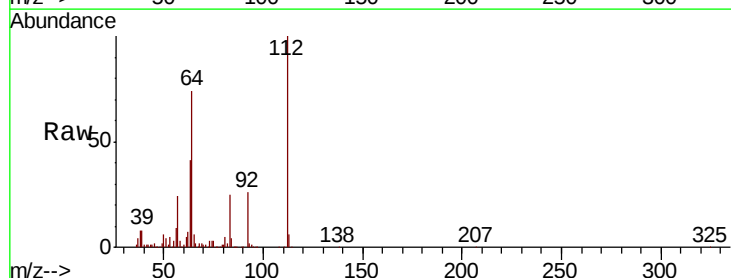
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



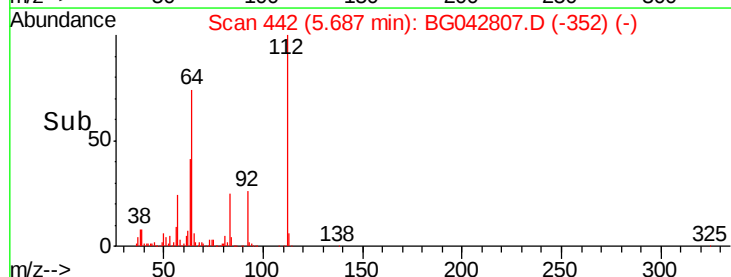
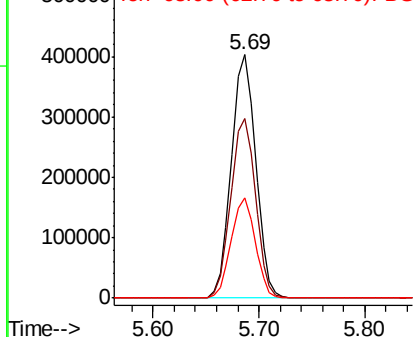
#5

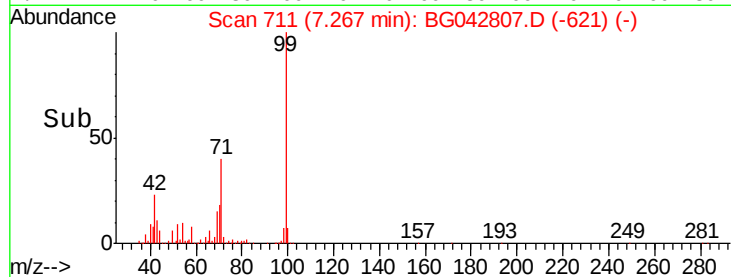
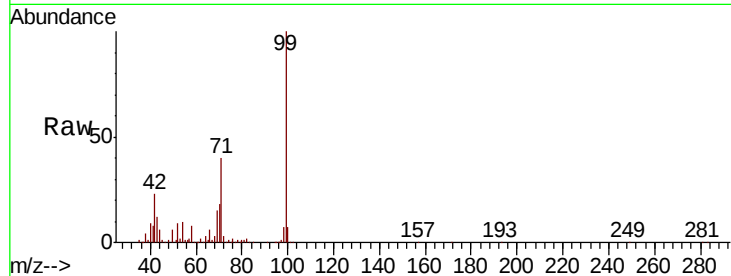
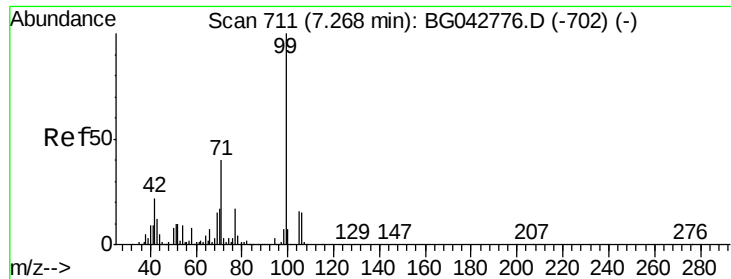
2-Fluorophenol
Concen: 129.218 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

Tgt Ion:112 Resp: 641531
Ion Ratio Lower Upper
112 100
64 73.9 60.2 90.2
63 41.3 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: 119.483 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Instrument :

BNA_G

ClientSampleId :

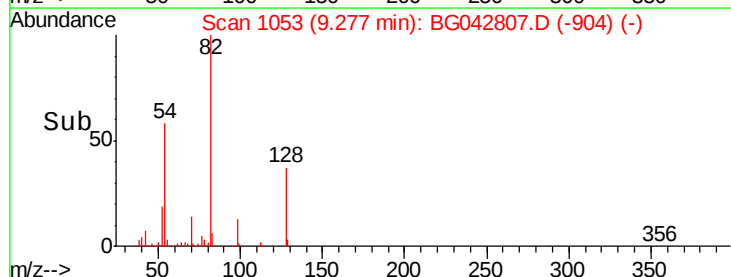
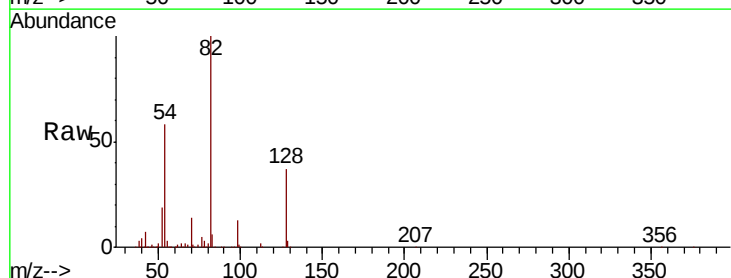
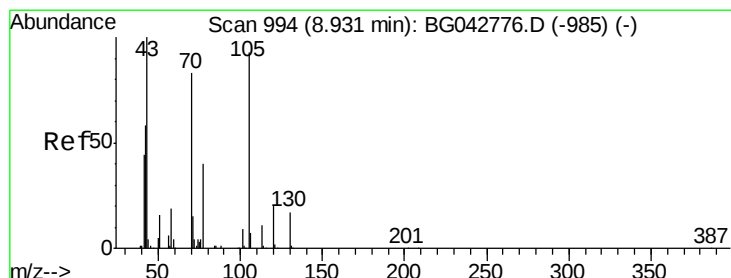
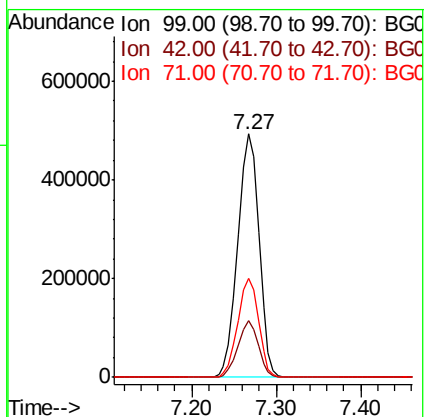
Tot Ion: 99 Resp: 851443

Ion Ratio Lower Upper

99 100

42 23.5 17.5 26.3

71 40.5 32.0 48.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.461 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.35 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Tgt Ion: 70 Resp: 91684

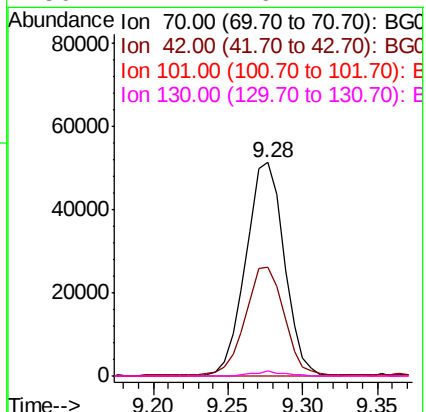
Ion Ratio Lower Upper

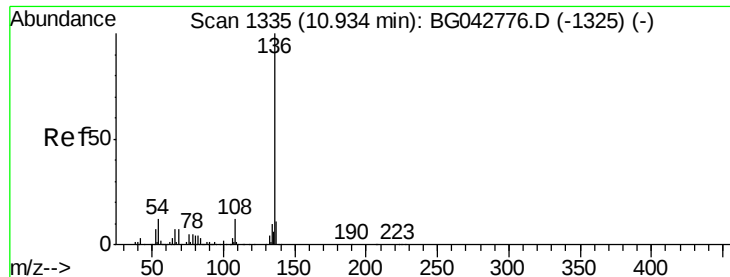
70 100

42 51.1 57.0 85.6#

101 0.0 8.4 12.6#

130 2.4 16.1 24.1#

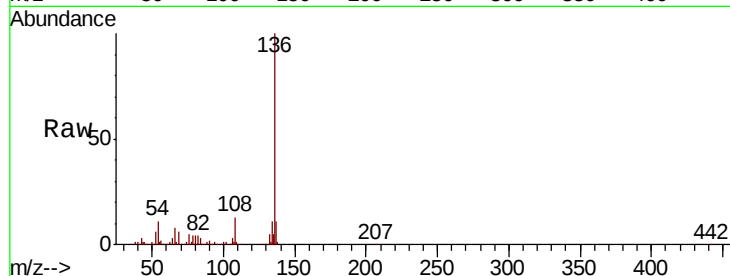




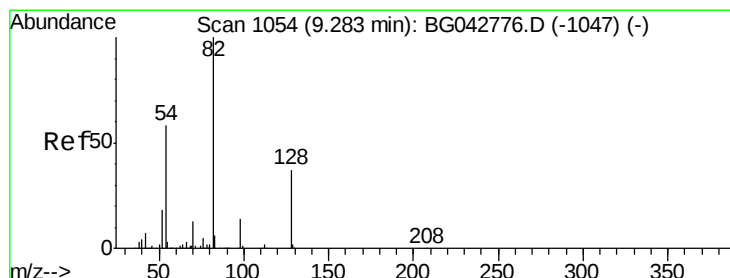
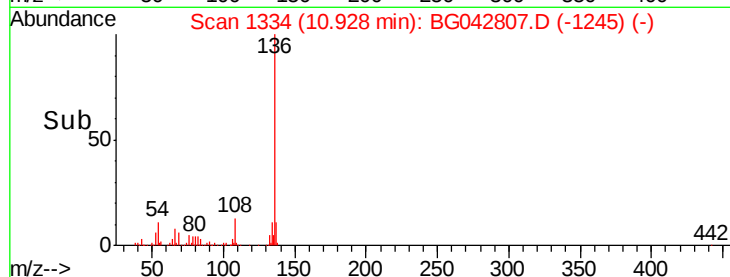
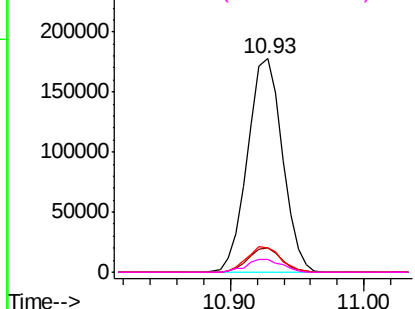
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	320303
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.6
54	11.2	9.4 14.0
68	5.9	5.4 8.2

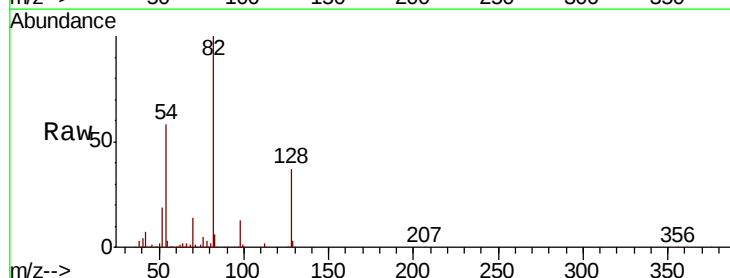


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

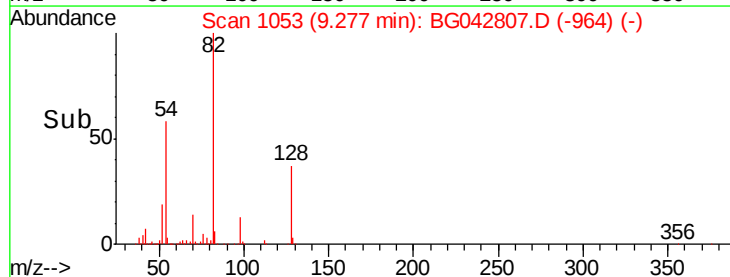
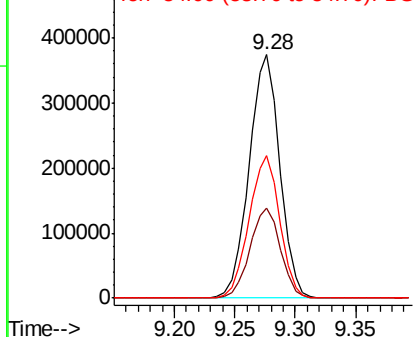


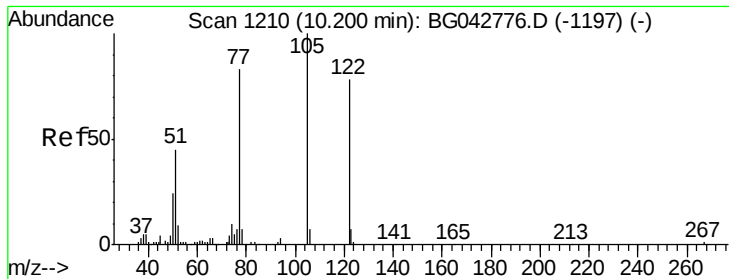
#23
Nitrobenzene-d5
Concen: 107.357 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

Tgt Ion: 82	Resp:	660488
Ion Ratio	Lower	Upper
82	100	
128	36.9	29.8 44.8
54	58.4	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: 6.007 ng

RT: 10.18 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BG042807.D

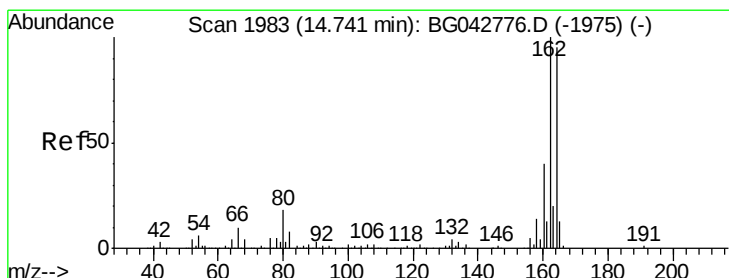
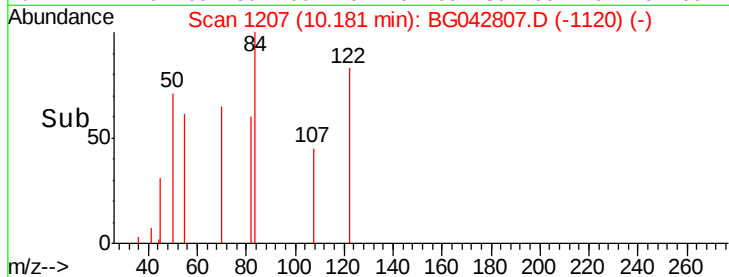
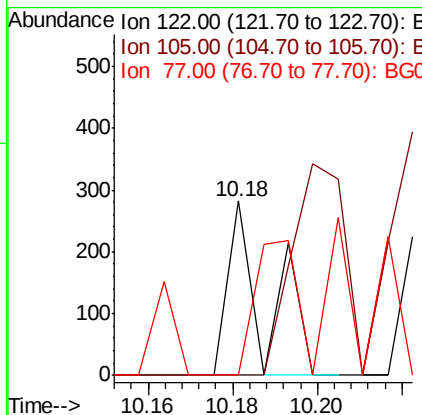
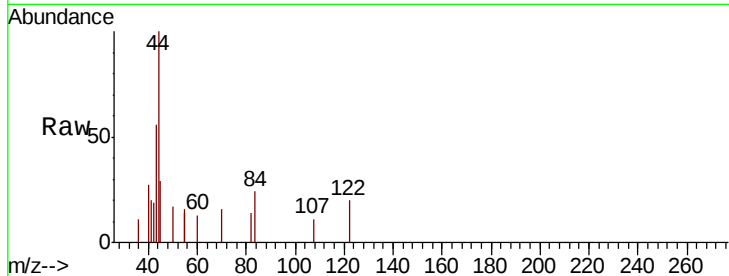
Acq: 13 Sep 2019 8:19

Instrument :

BNA_G

ClientSampled :

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



#39

Acenaphthene-d10

Concen: 20.000 ng

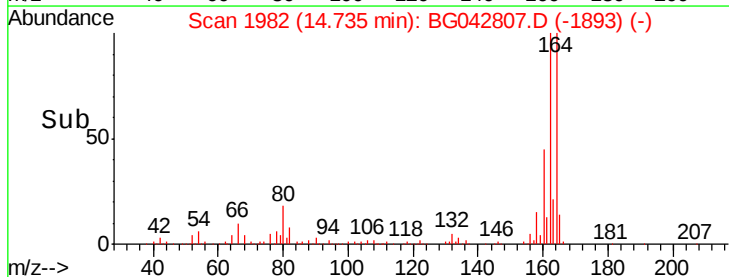
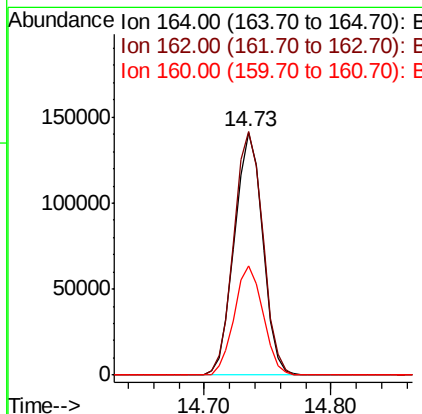
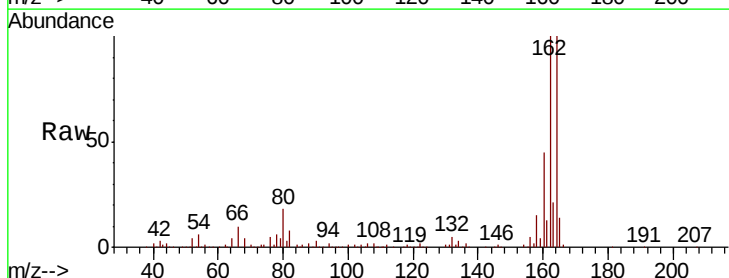
RT: 14.73 min Scan# 1982

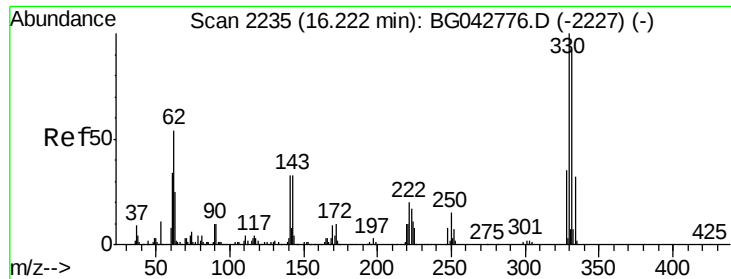
Delta R.T. -0.01 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	84.6	126.8
160	44.8	34.2	51.2

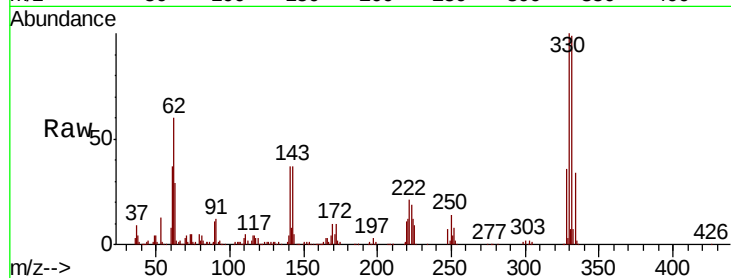




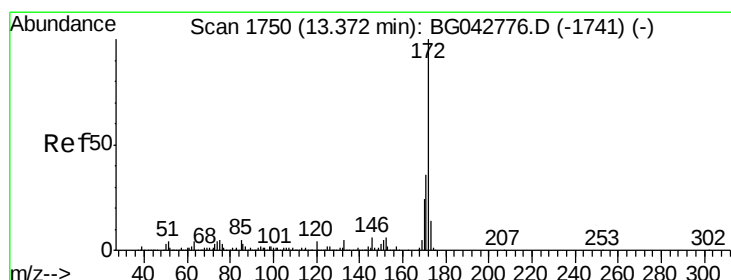
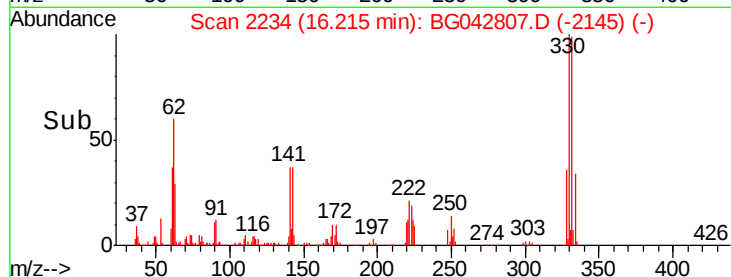
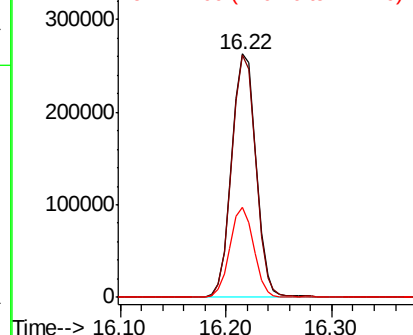
#42
 2,4,6-Tribromophenol
 Concen: 145.032 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042807.D
 Acq: 13 Sep 2019 8:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 419336
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.7 115.1
 141 36.3 27.0 40.6

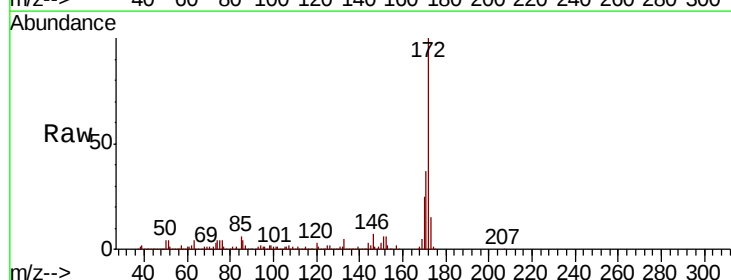


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

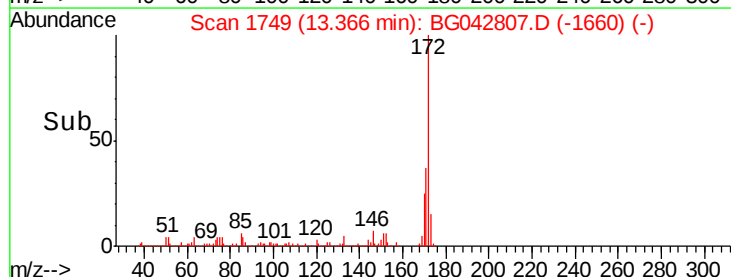
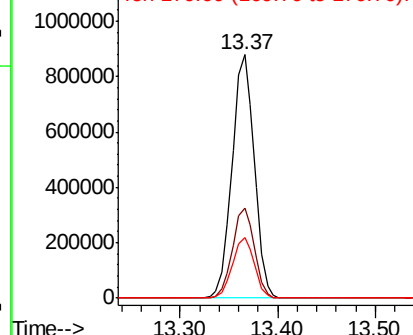


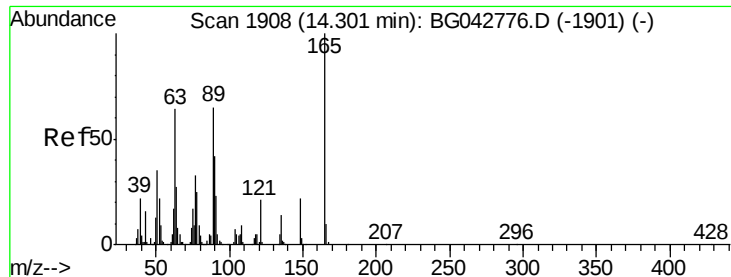
#45
 2-Fluorobiphenyl
 Concen: 100.679 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042807.D
 Acq: 13 Sep 2019 8:19

Tgt Ion:172 Resp: 1382251
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.7 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: 8.634 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Instrument :

BNA_G

ClientSampleId :

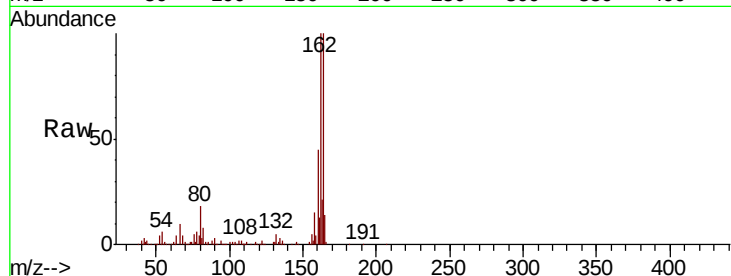
Tot Ion:165 Resp: 28841

Ion Ratio Lower Upper

165 100

63 0.8 52.1 78.1#

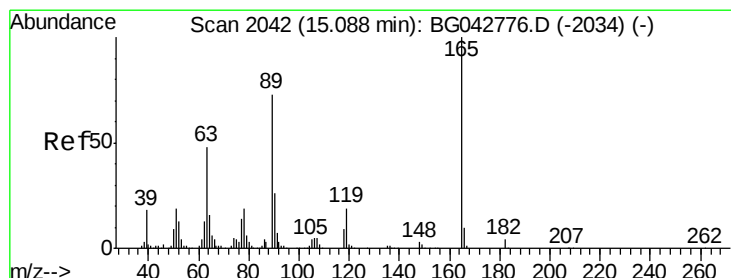
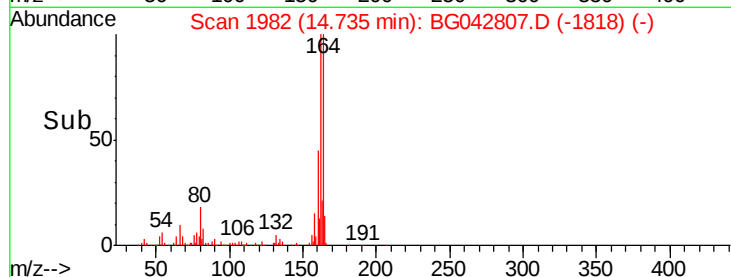
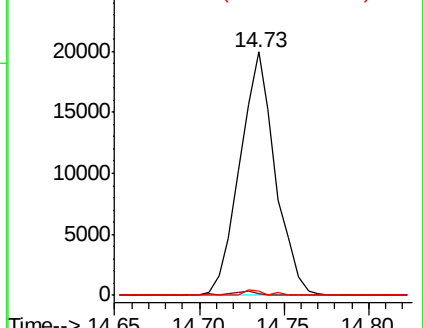
89 1.5 51.7 77.5#



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: 6.477 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Tgt Ion:165 Resp: 28841

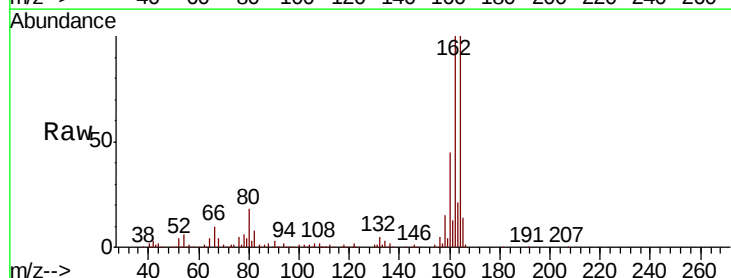
Ion Ratio Lower Upper

165 100

63 0.8 38.3 57.5#

89 1.5 58.4 87.6#

182 0.0 2.9 4.3#

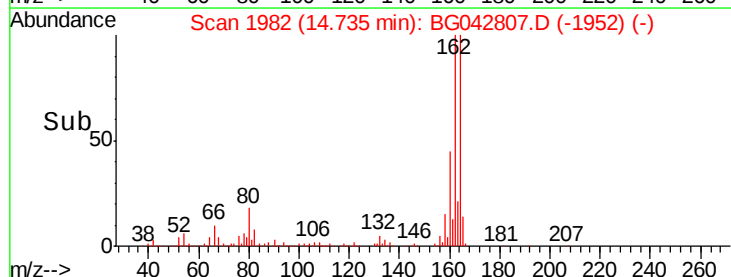
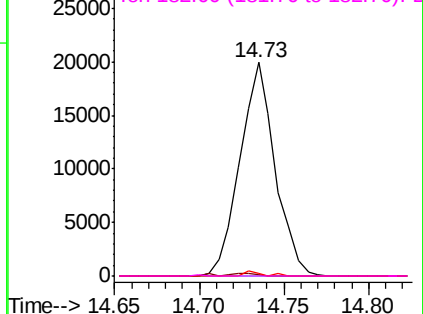


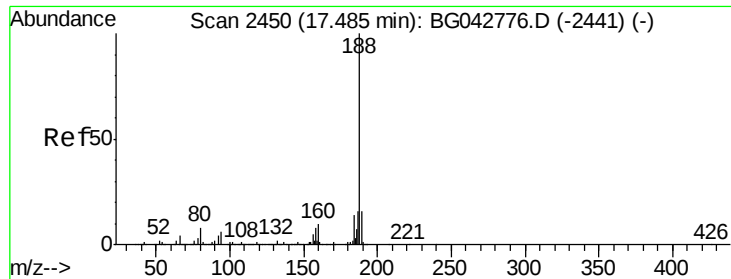
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Instrument :

BNA_G

ClientSampleId :

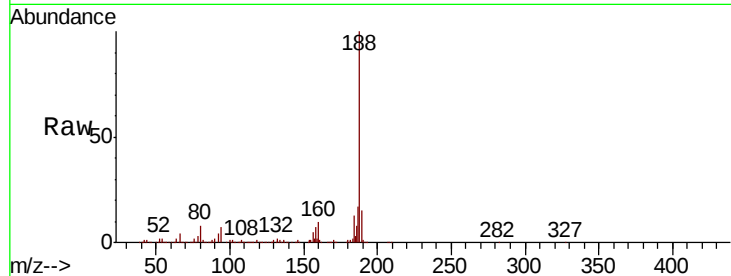
Tot Ion:188 Resp: 504156

Ion Ratio Lower Upper

188 100

94 7.1 4.8 7.2

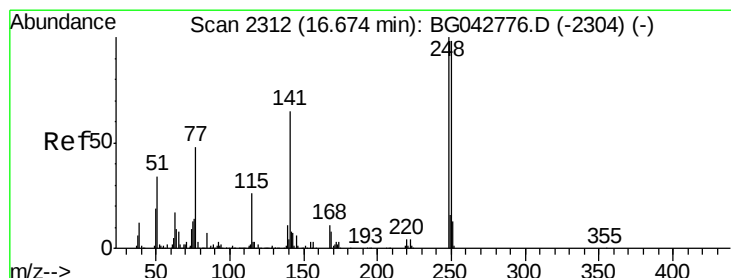
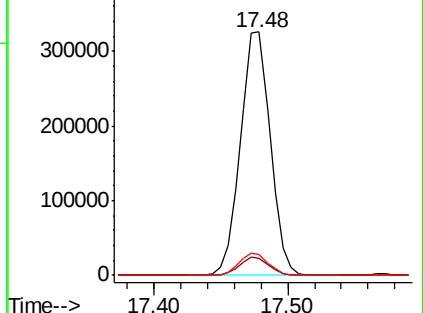
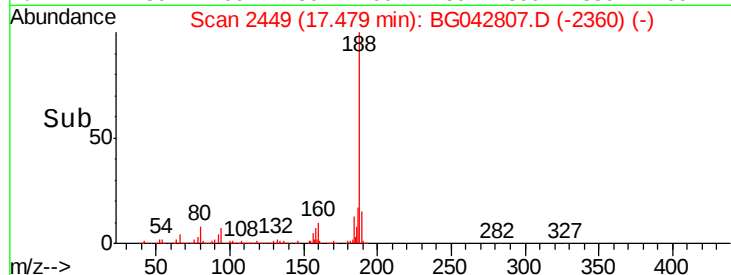
80 8.4 6.6 9.8



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: 4.903 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

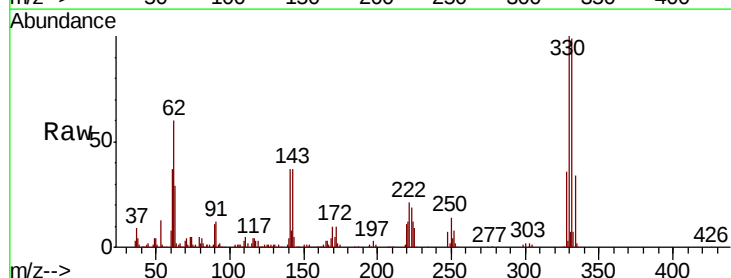
Tgt Ion:248 Resp: 29920

Ion Ratio Lower Upper

248 100

250 196.2 78.0 117.0#

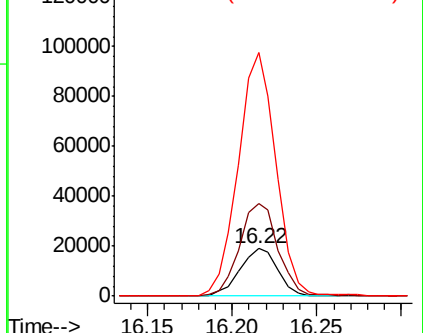
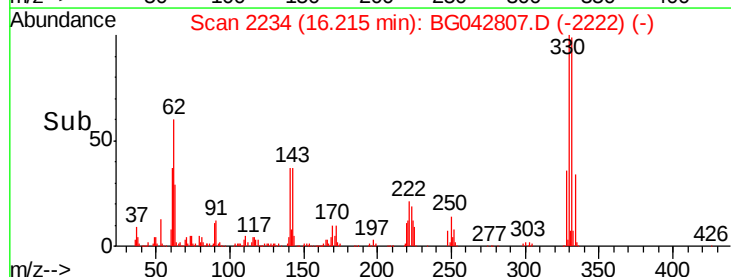
141 513.6 51.8 77.6#

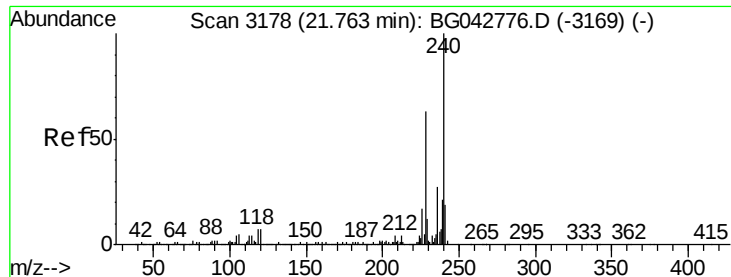


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

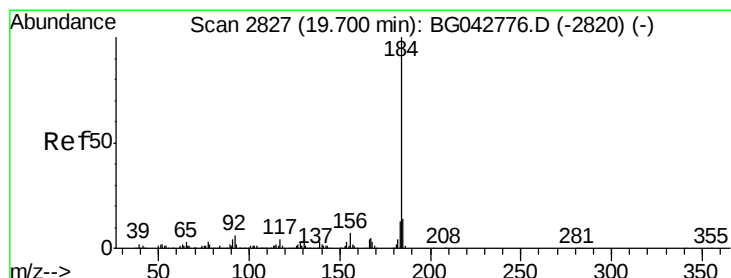
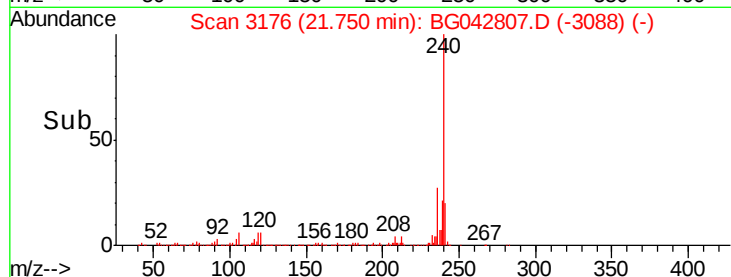
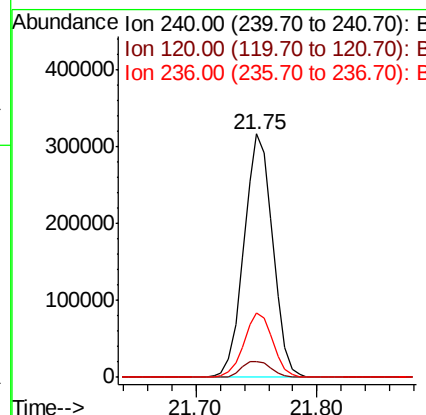
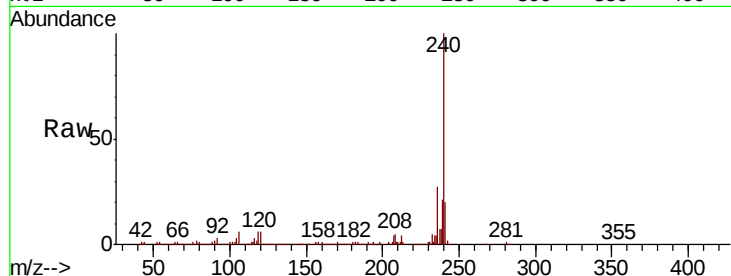




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

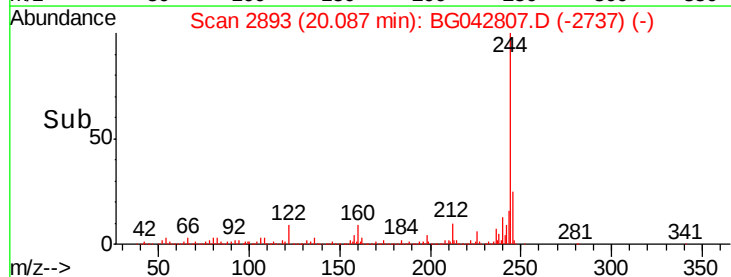
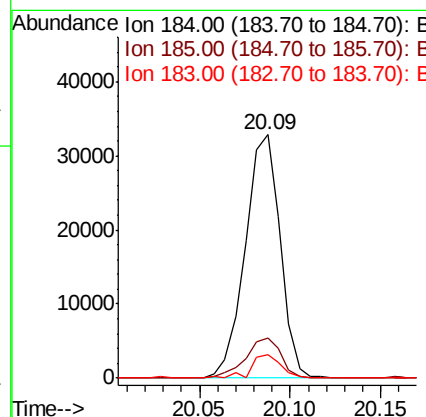
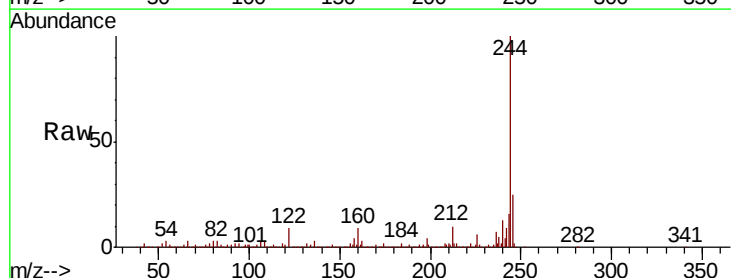
Instrument :
BNA_G
ClientSampleId :

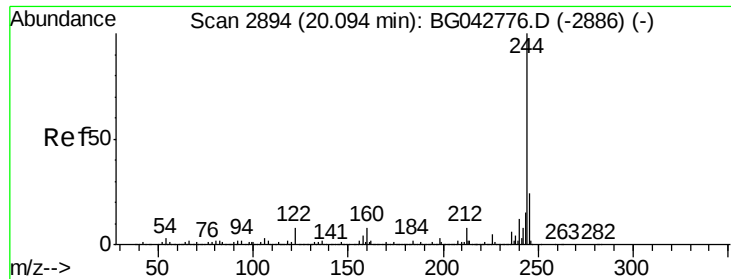
Tot Ion:240 Resp: 524986
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.2
236 26.6 21.7 32.5



#77
Benzidine
Concen: 2.990 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.39 min
Lab File: BG042807.D
Acq: 13 Sep 2019 8:19

Tgt Ion:184 Resp: 43858
Ion Ratio Lower Upper
184 100
185 16.2 11.6 17.4
183 9.5 10.4 15.6#





#79

Terphenyl-d14

Concen: 99.132 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

Instrument :

BNA_G

ClientSampleId :

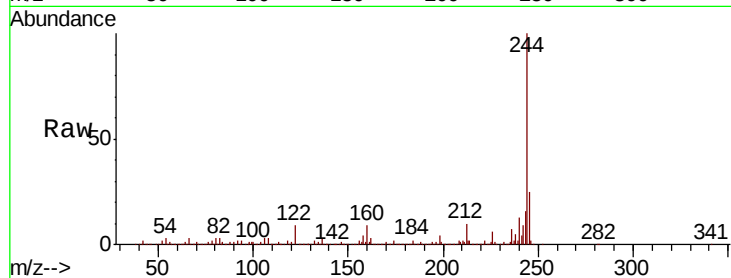
Tot Ion:244 Resp: 2348211

Ion Ratio Lower Upper

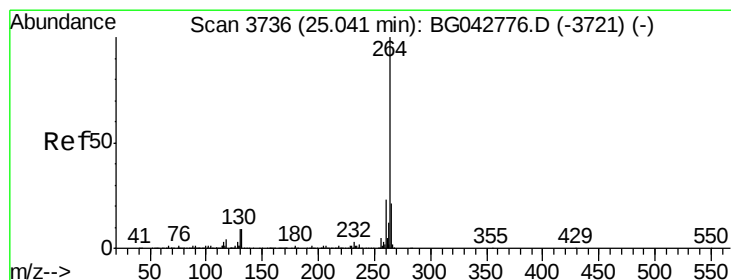
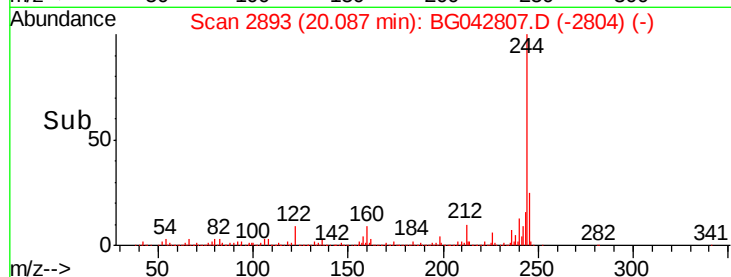
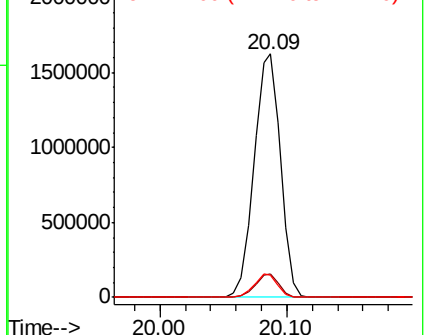
244 100

212 9.6 6.6 10.0

122 9.1 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: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG042807.D

Acq: 13 Sep 2019 8:19

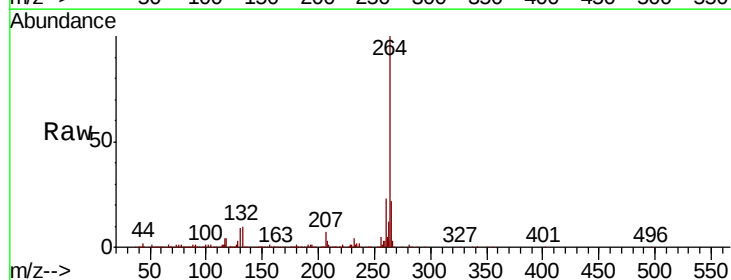
Tgt Ion:264 Resp: 566409

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 22.3 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

