

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042785.D
 Acq On : 12 Sep 2019 17:01
 Operator : HP/JU
 Sample : PB122965BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 07:01:19 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

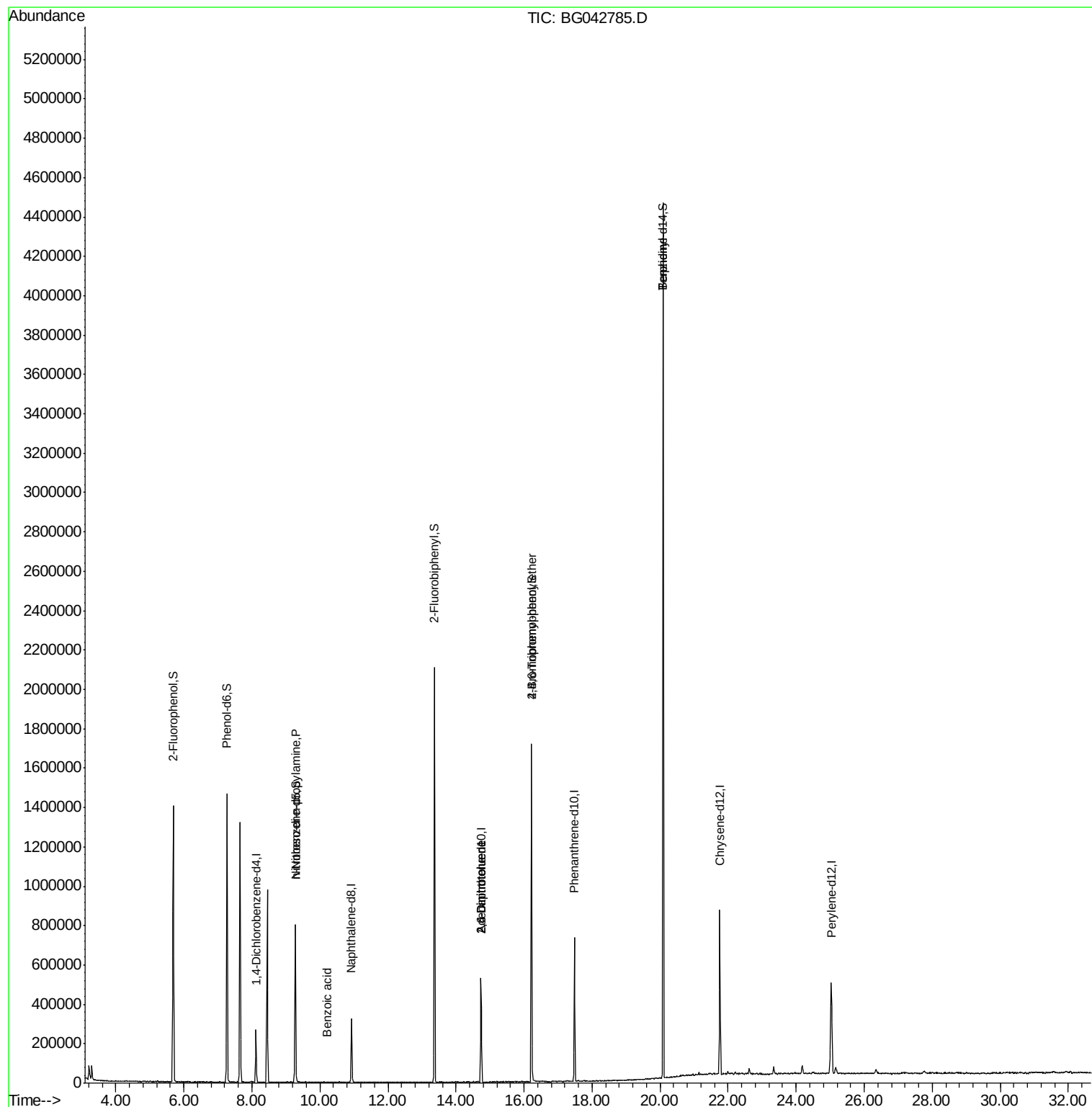
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	72701	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	271726	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	185426	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	451795	20.00	ng	0.00
76) Chrysene-d12	21.76	240	506595	20.00	ng	0.00
87) Perylene-d12	25.04	264	536525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	551026	131.77	ng	0.00
7) Phenol-d6	7.27	99	793968	132.28	ng	0.00
23) Nitrobenzene-d5	9.28	82	489396	93.77	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	334698	135.67	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1093538	93.35	ng	0.00
79) Terphenyl-d14	20.09	244	2078576	90.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	68997	15.600	ng	# 66
32) Benzoic acid	10.20	122	54	5.980	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	25202	8.842	ng	# 19
57) 2,4-Dinitrotoluene	14.74	165	25202	6.634	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	23359	4.272	ng	# 1
77) Benzidine	20.09	184	35169	2.485	ng	# 94

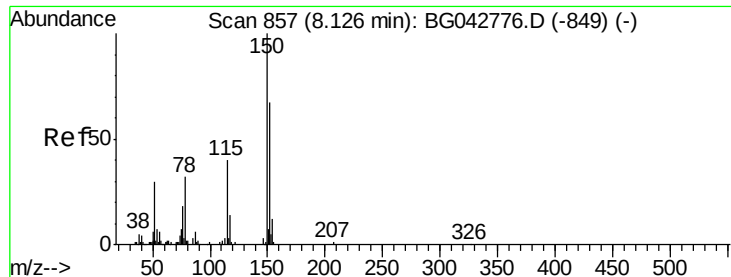
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
Data File : BG042785.D
Acq On : 12 Sep 2019 17:01
Operator : HP/JU
Sample : PB122965BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 13 07:01:19 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



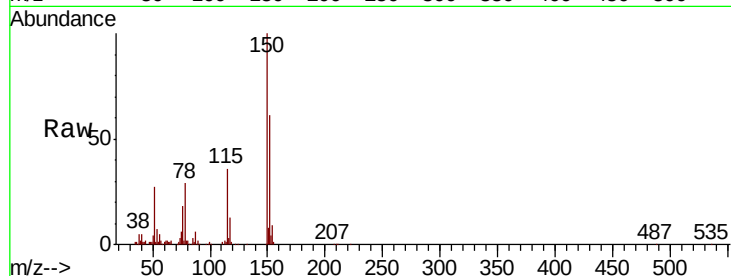


#1

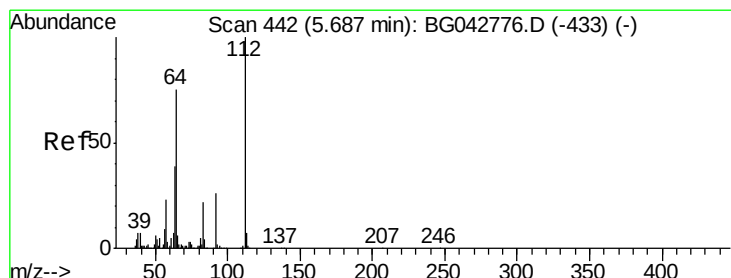
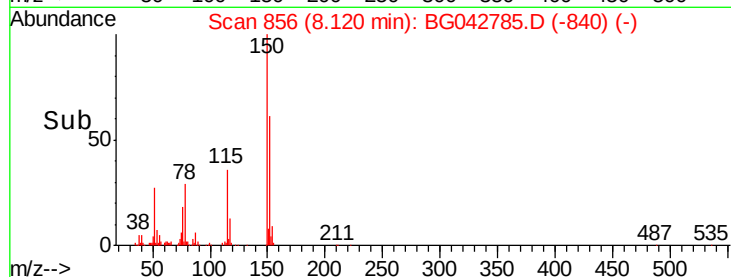
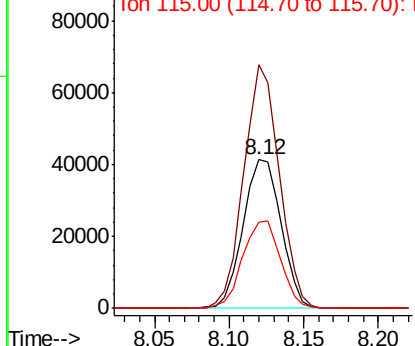
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BG042785.D
 Acq: 12 Sep 2019 17:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 72701
 Ion Ratio Lower Upper
 152 100
 150 163.9 118.9 178.3
 115 58.5 47.4 71.2



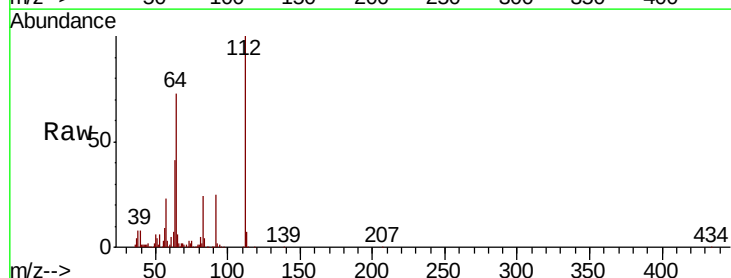
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



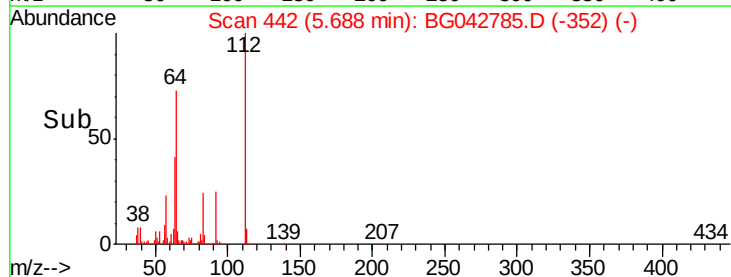
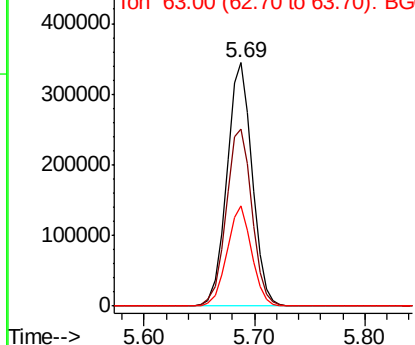
#5

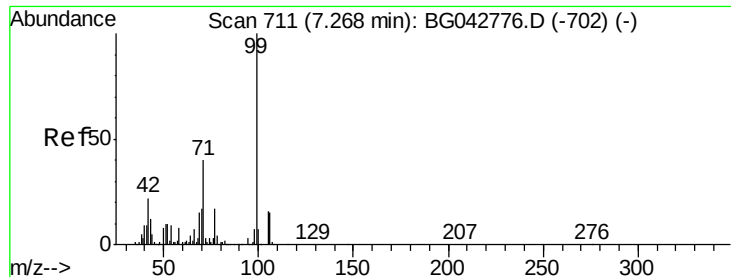
2-Fluorophenol
 Concen: 131.771 ng
 RT: 5.69 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BG042785.D
 Acq: 12 Sep 2019 17:01

Tgt Ion:112 Resp: 551026
 Ion Ratio Lower Upper
 112 100
 64 72.7 60.2 90.2
 63 41.2 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: 132.280 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Instrument :

BNA_G

ClientSampled :

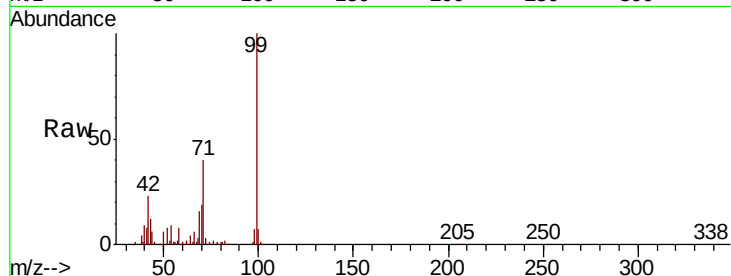
Tot Ion: 99 Resp: 793968

Ion Ratio Lower Upper

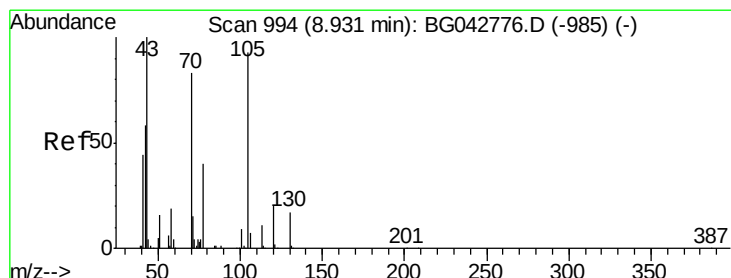
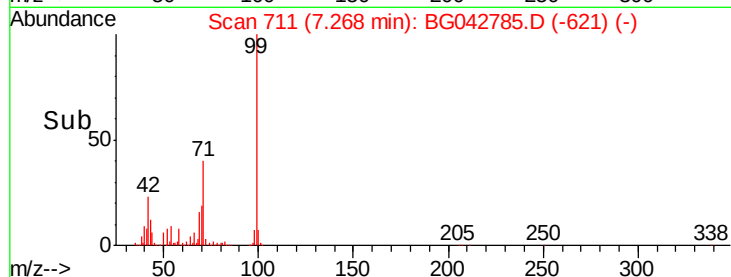
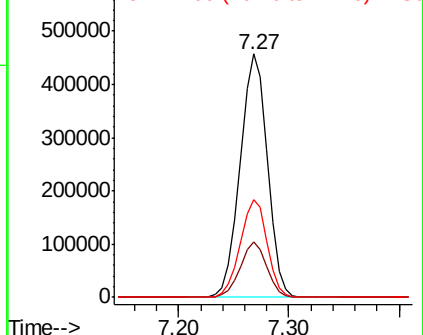
99 100

42 22.7 17.5 26.3

71 40.0 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: 15.600 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.35 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Tgt Ion: 70 Resp: 68997

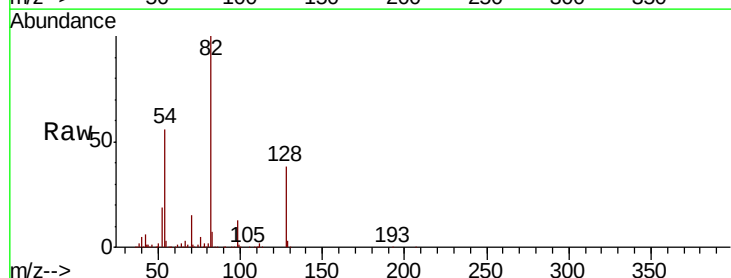
Ion Ratio Lower Upper

70 100

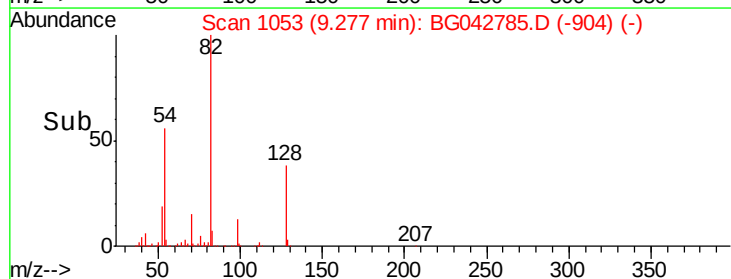
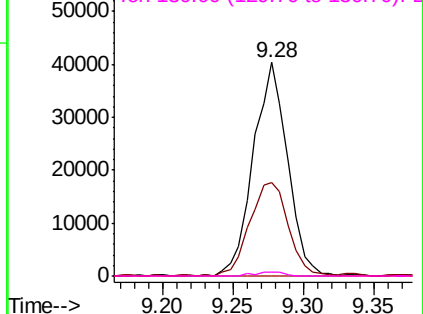
42 43.7 57.0 85.6#

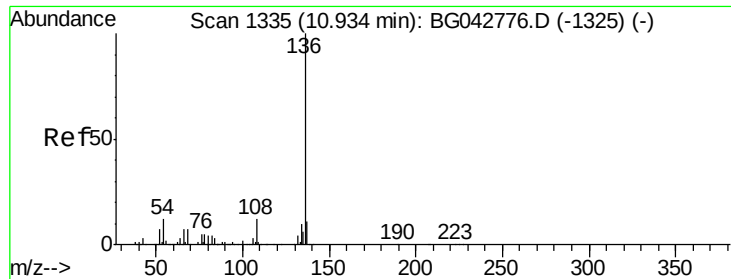
101 0.0 8.4 12.6#

130 2.1 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

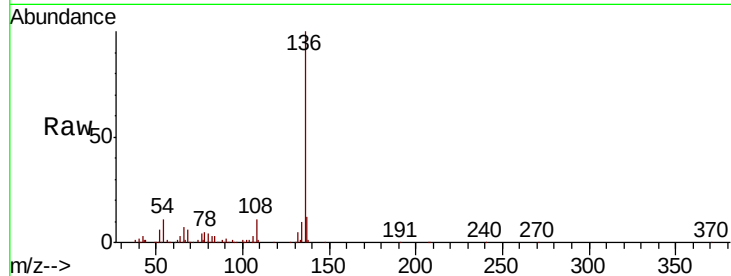




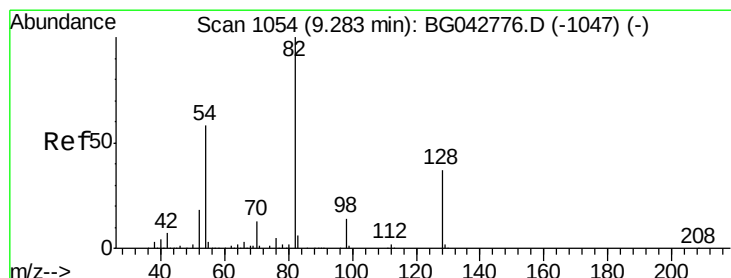
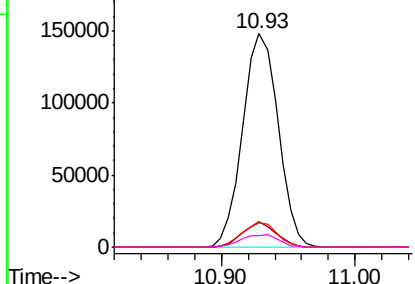
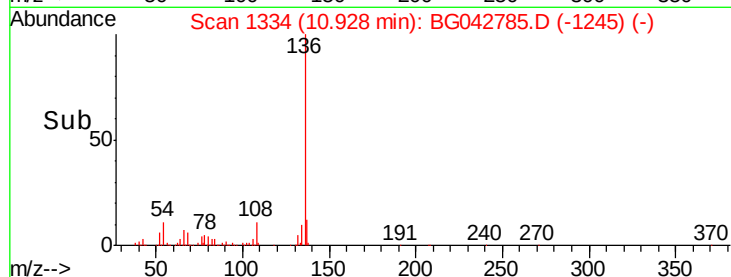
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042785.D
Acq: 12 Sep 2019 17:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	271726
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.0 13.6
54	11.4	9.4 14.0
68	5.6	5.4 8.2

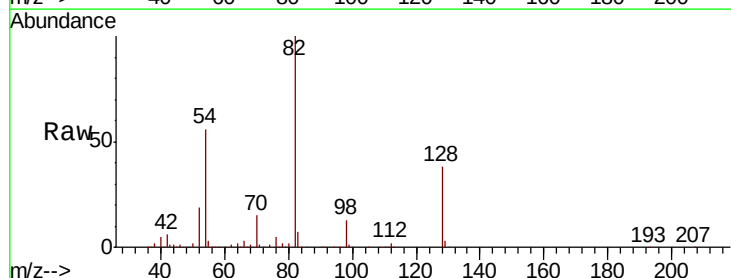


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

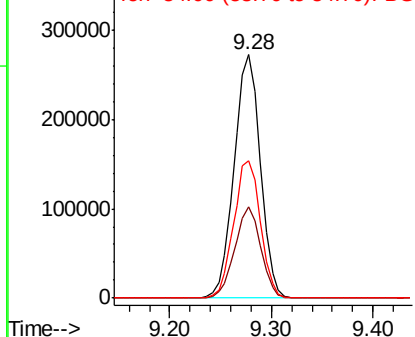
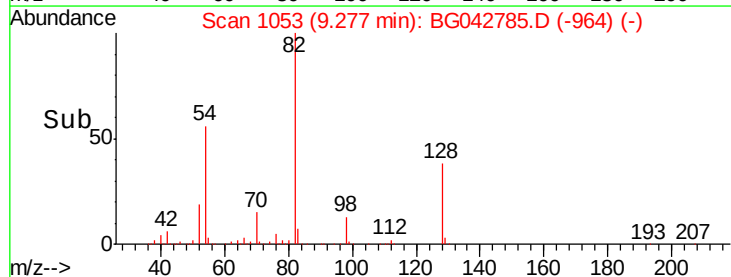


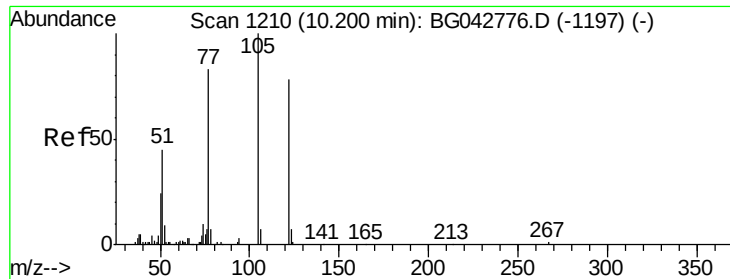
#23
Nitrobenzene-d5
Concen: 93.768 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042785.D
Acq: 12 Sep 2019 17:01

Tgt Ion: 82	Resp:	489396
Ion Ratio	Lower	Upper
82	100	
128	37.7	29.8 44.8
54	56.4	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

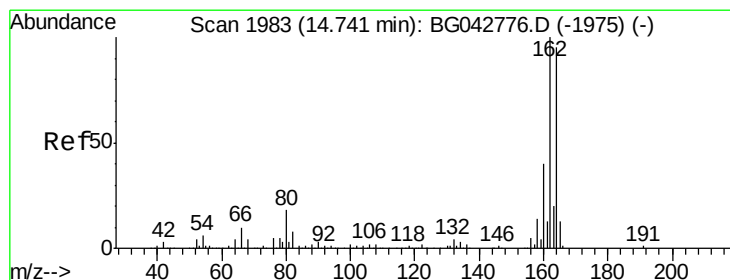
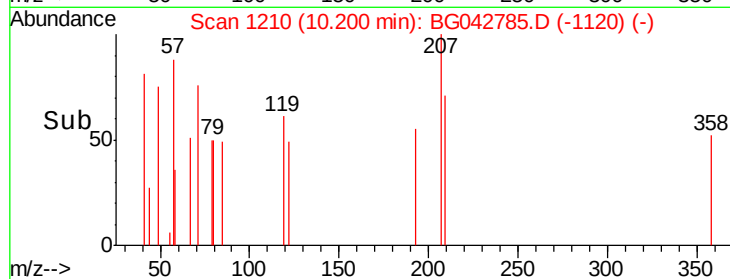
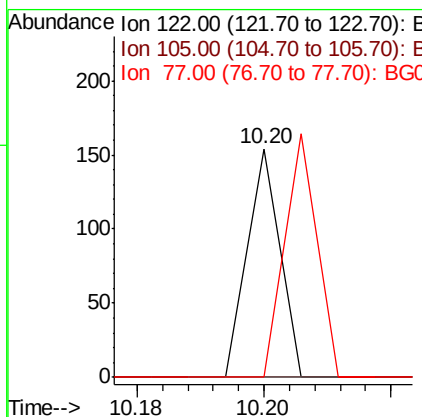
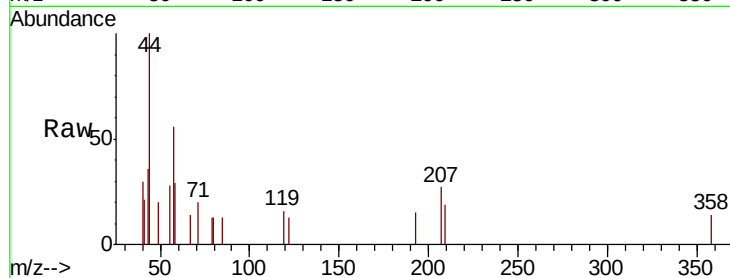




#32
Benzoic acid
Concen: 5.980 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BG042785.D
Acq: 12 Sep 2019 17:01

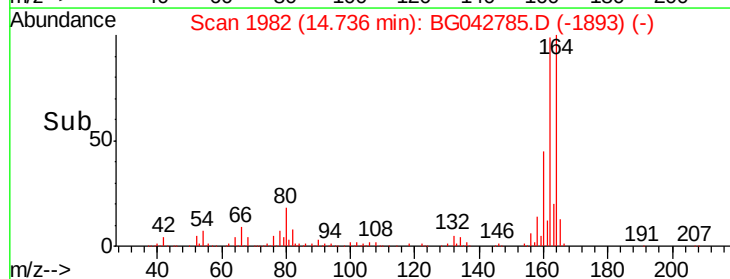
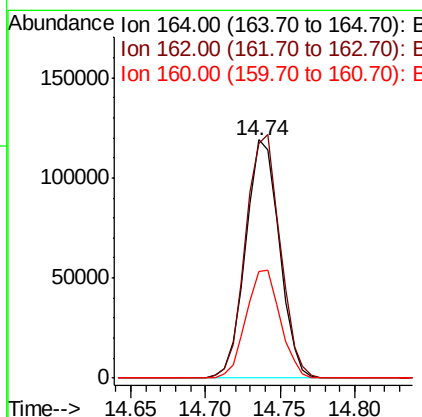
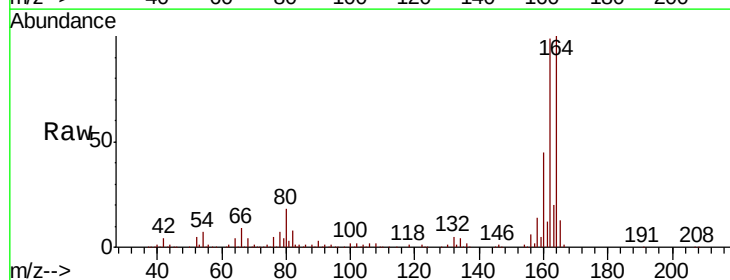
Instrument :
BNA_G
ClientSampled :

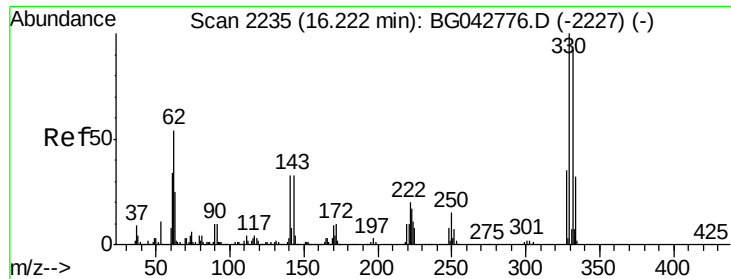
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042785.D
Acq: 12 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	84.6	126.8
160	44.6	34.2	51.2

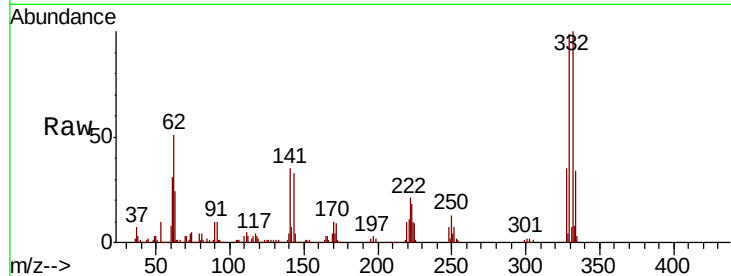




#42
 2,4,6-Tribromophenol
 Concen: 135.673 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BG042785.D
 Acq: 12 Sep 2019 17:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	35.1	27.0	40.6

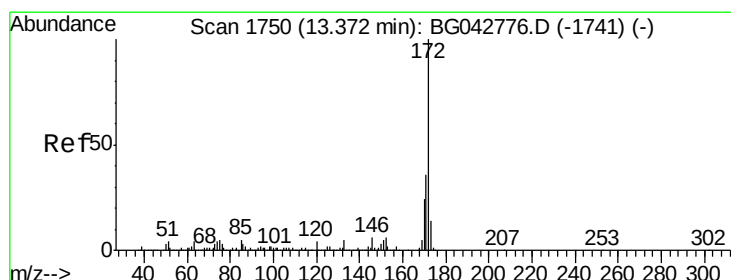
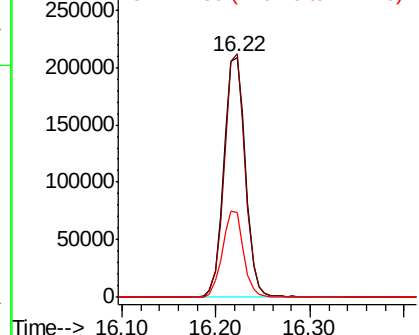
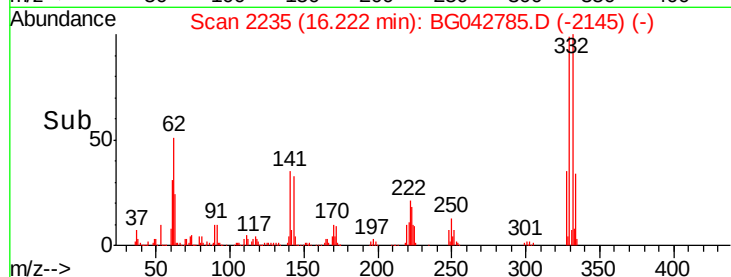


Abundance

Ion 329.80 (329.50 to 330.50): E

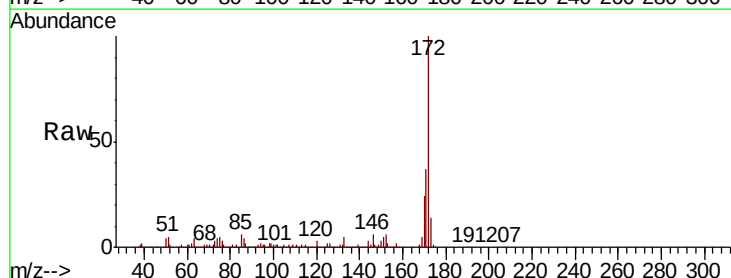
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.353 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042785.D
 Acq: 12 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.9	43.3
170	24.0	19.1	28.7

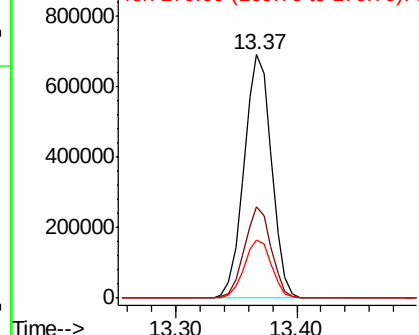
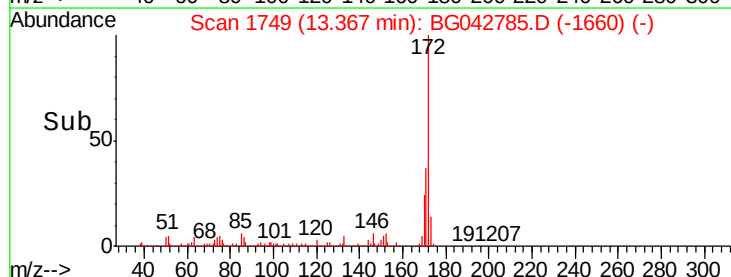


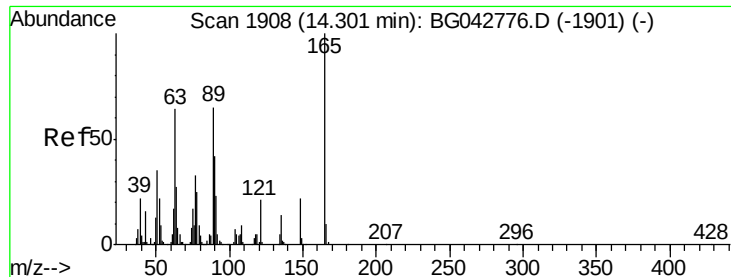
Abundance

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: 8.842 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Instrument :

BNA_G

ClientSampleId :

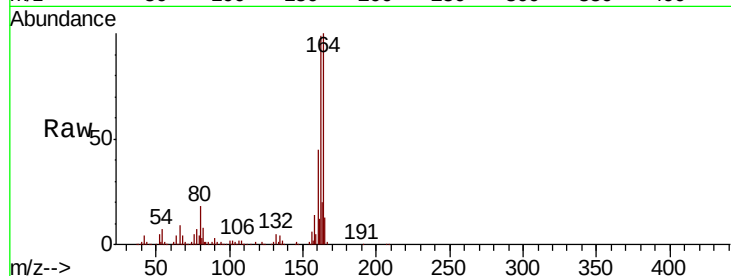
Tot Ion:165 Resp: 25202

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

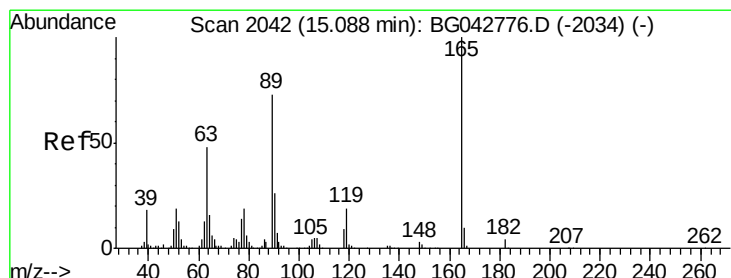
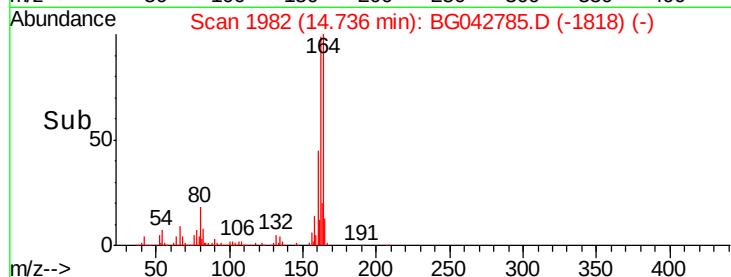
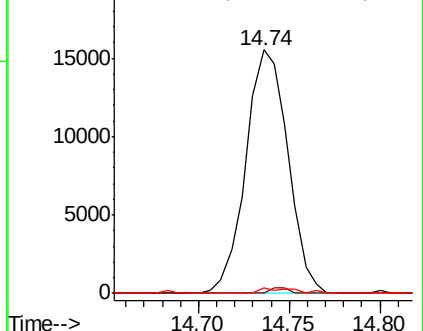
89 2.0 51.7 77.5#



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: 6.634 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Tgt Ion:165 Resp: 25202

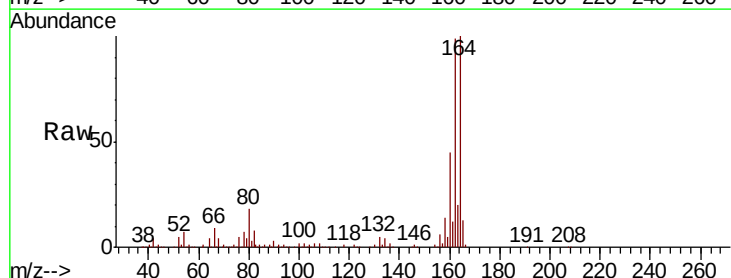
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 2.0 58.4 87.6#

182 0.0 2.9 4.3#

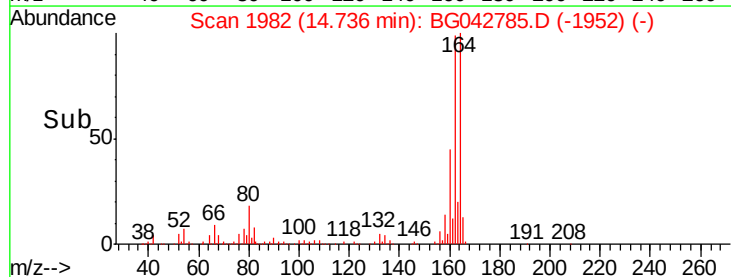
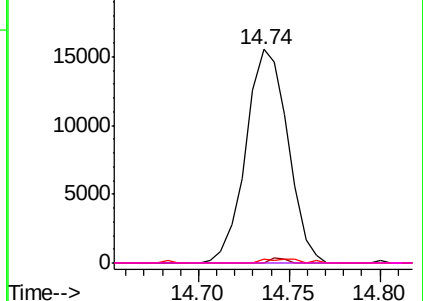


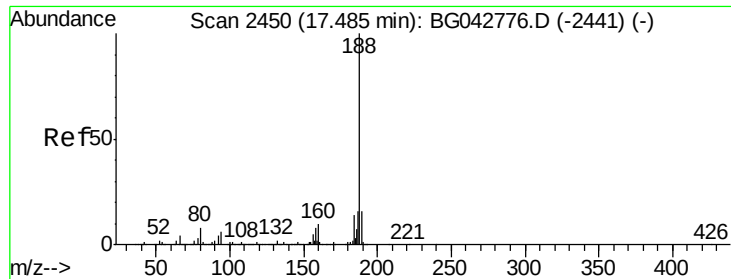
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042785.D

Acq: 12 Sep 2019 17:01

Instrument :

BNA_G

ClientSampleId :

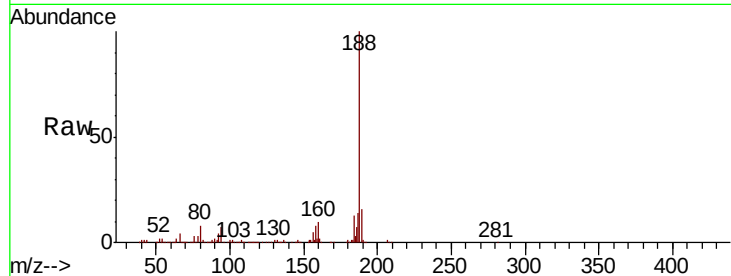
Tot Ion:188 Resp: 451795

Ion Ratio Lower Upper

188 100

94 7.0 4.8 7.2

80 7.9 6.6 9.8



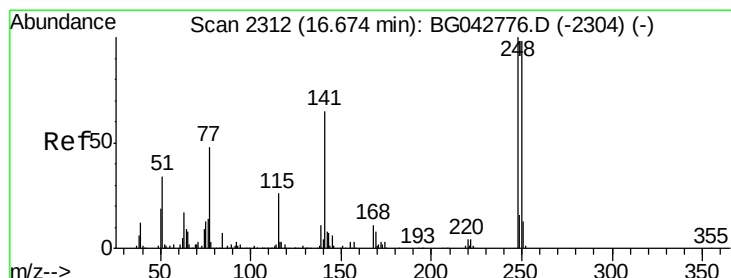
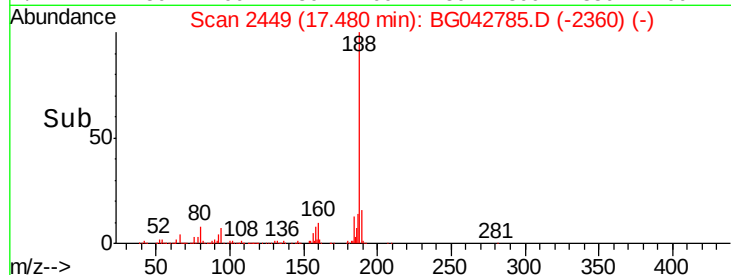
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.48

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.272 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.45 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

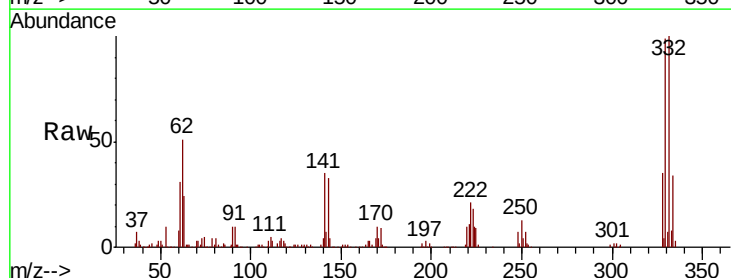
Tgt Ion:248 Resp: 23359

Ion Ratio Lower Upper

248 100

250 179.3 78.0 117.0#

141 462.4 51.8 77.6#



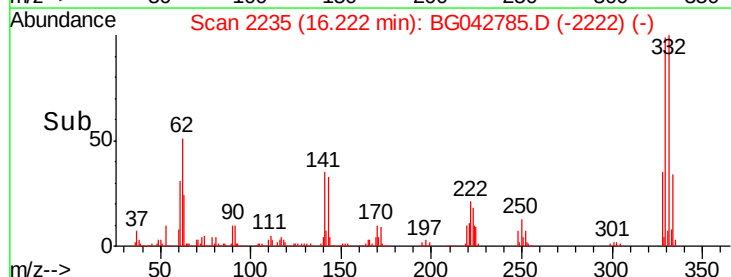
Abundance Ion 248.00 (247.70 to 248.70): E

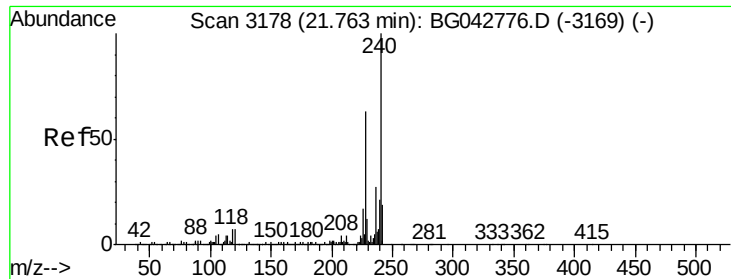
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.22

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Instrument :

BNA_G

ClientSampleId :

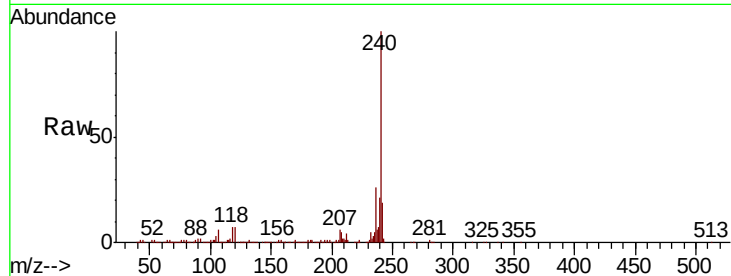
Tot Ion:240 Resp: 506595

Ion Ratio Lower Upper

240 100

120 6.8 5.4 8.2

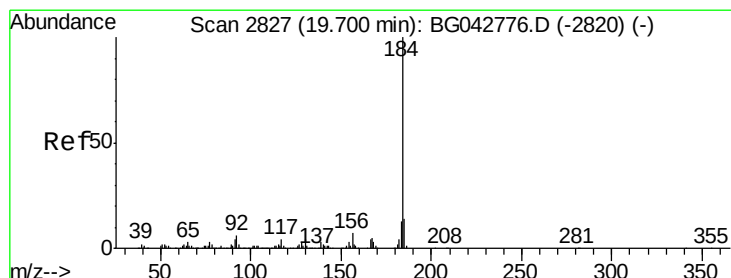
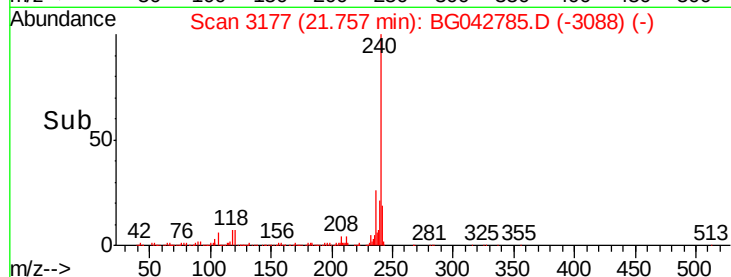
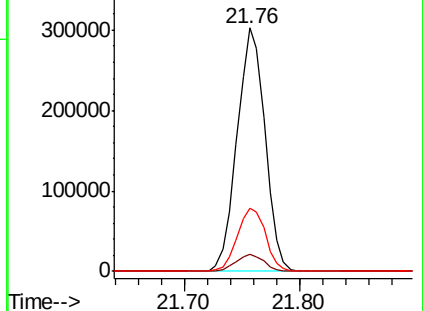
236 25.7 21.7 32.5



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: 2.485 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.39 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

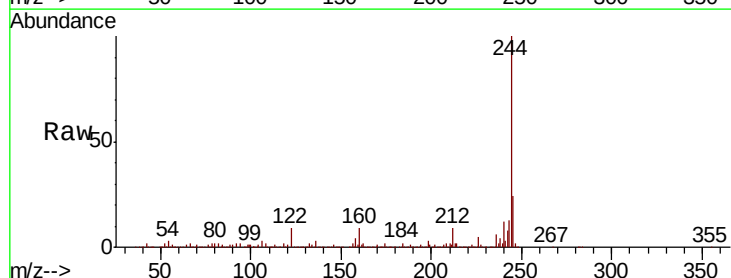
Tgt Ion:184 Resp: 35169

Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

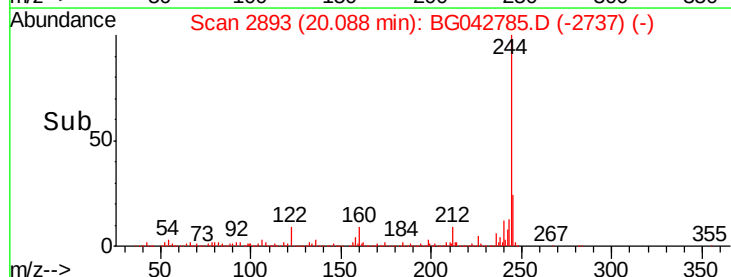
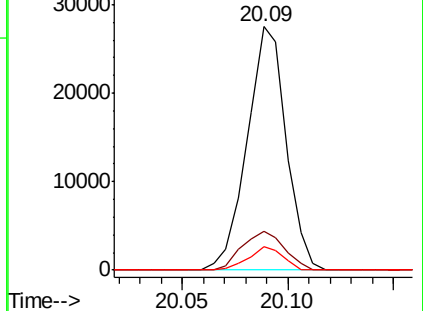
183 9.5 10.4 15.6#

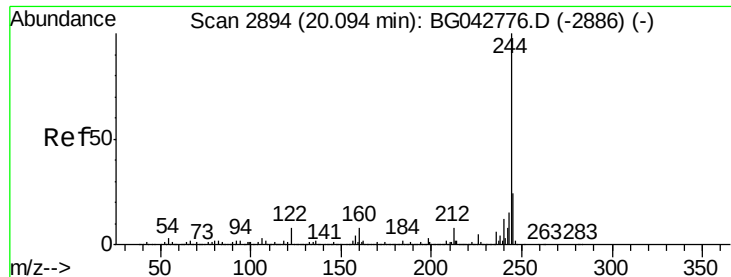


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.935 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

Instrument :

BNA_G

ClientSampleId :

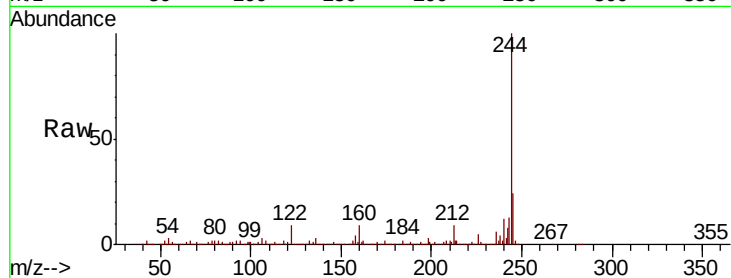
Tot Ion:244 Resp: 2078576

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

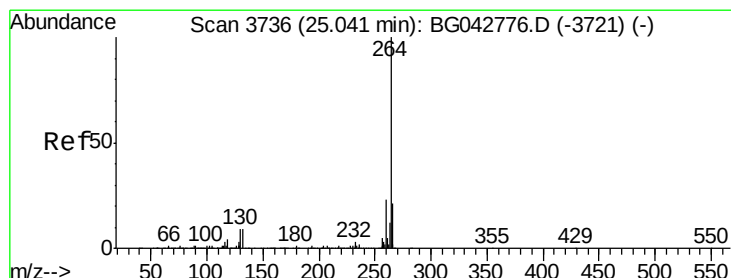
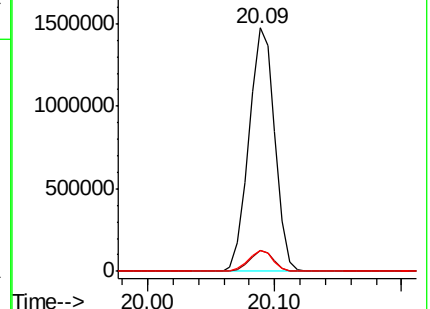
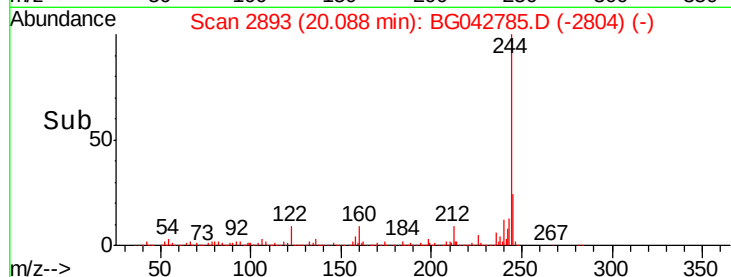
122 8.6 6.2 9.4



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: 25.04 min Scan# 3735

Delta R.T. -0.01 min

Lab File: BG042785.D

Acq: 12 Sep 2019 17:01

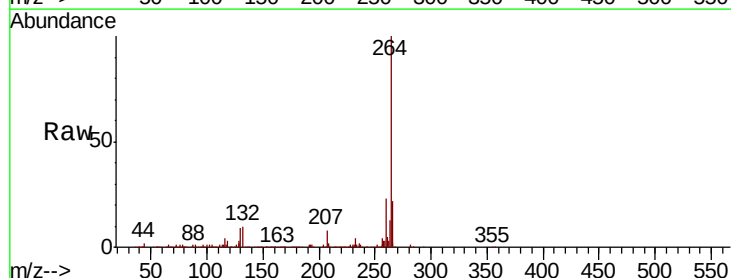
Tgt Ion:264 Resp: 536525

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

265 21.6 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

