

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042819.D
 Acq On : 13 Sep 2019 16:39
 Operator : HP/JU
 Sample : K4826-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 22:57:45 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

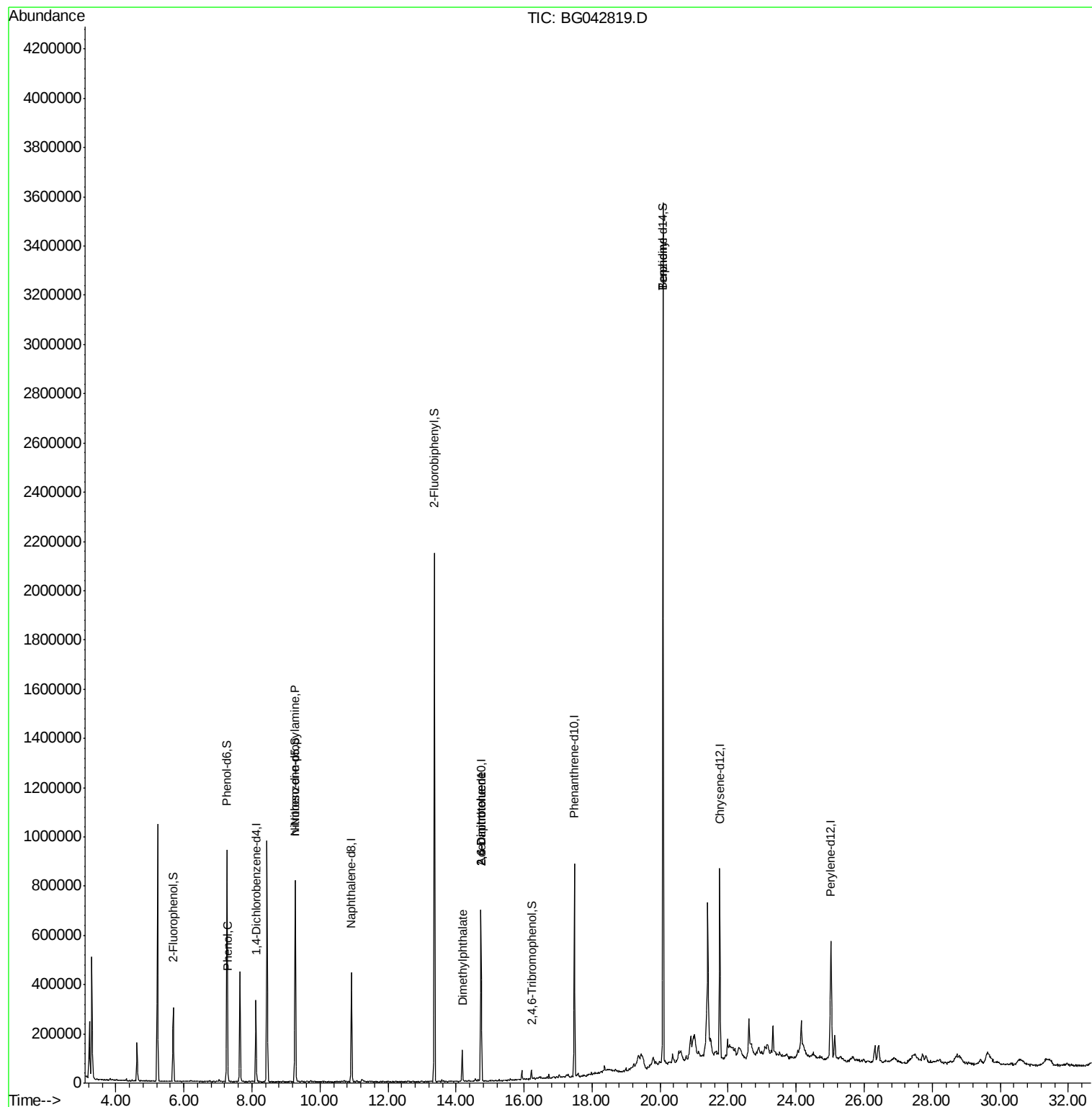
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	92608	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	364721	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	247091	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	530740	20.00	ng	0.00
76) Chrysene-d12	21.75	240	479856	20.00	ng	-0.01
87) Perylene-d12	25.02	264	539778	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	123562	23.20	ng	0.00
7) Phenol-d6	7.27	99	512771	67.07	ng	0.00
23) Nitrobenzene-d5	9.27	82	515263	73.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	7037	2.14	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1136144	72.78	ng	0.00
79) Terphenyl-d14	20.08	244	1658749	76.61	ng	-0.01
Target Compounds						
10) Phenol	7.29	94	19536	2.492	ng	88
19) n-Nitroso-di-n-propylamine	9.27	70	70388	12.494	ng	# 69
50) Dimethylphthalate	14.18	163	79378	4.288	ng	100
51) 2,6-Dinitrotoluene	14.73	165	34202	9.005	ng	# 21
57) 2,4-Dinitrotoluene	14.73	165	34202	6.756	ng	# 24
77) Benzidine	20.08	184	28613	2.134	ng	# 93

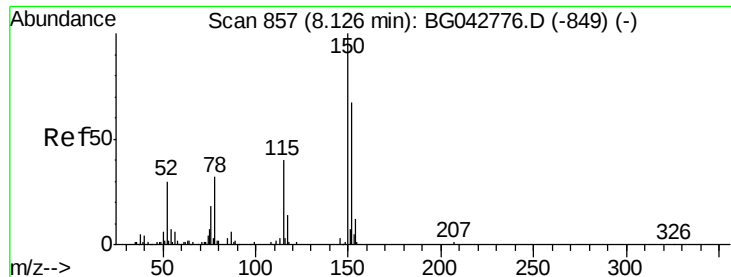
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



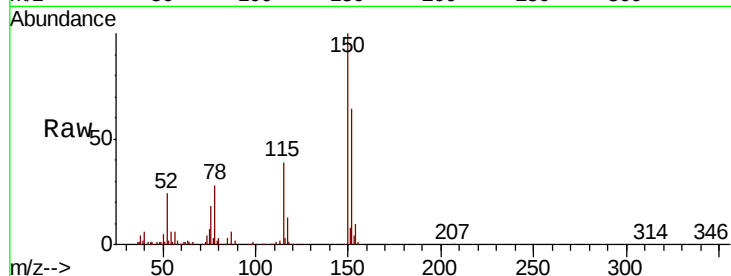


#1

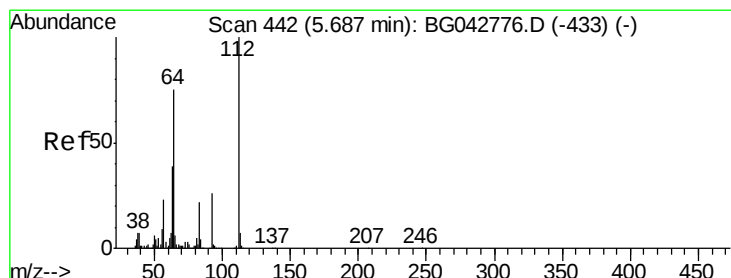
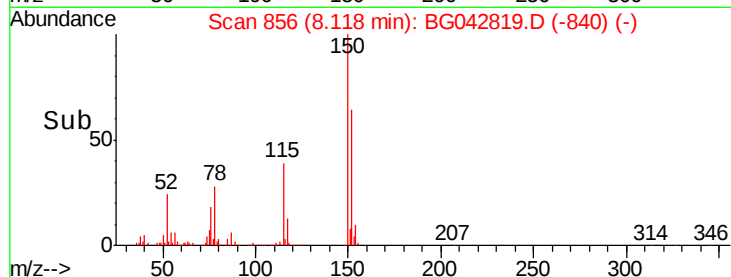
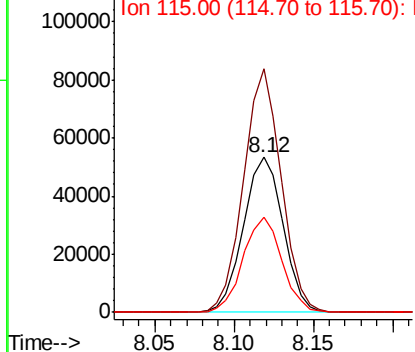
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042819.D
Acq: 13 Sep 2019 16:39

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	118.9	178.3
115	61.7	47.4	71.2



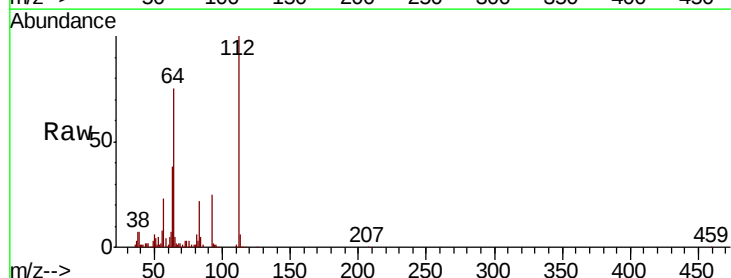
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



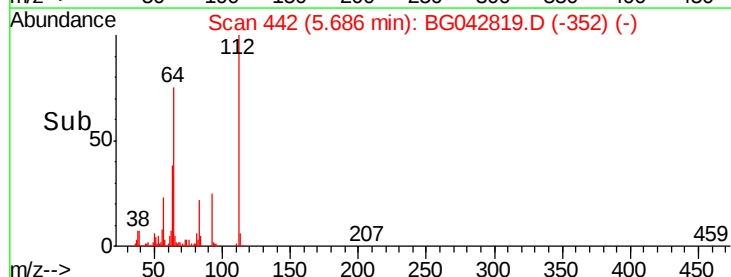
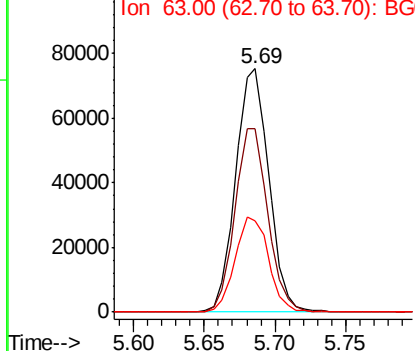
#5

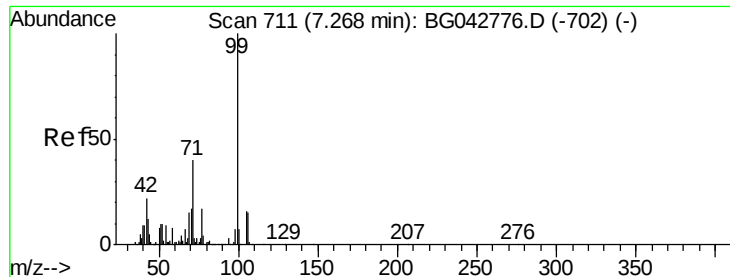
2-Fluorophenol
Concen: 23.197 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042819.D
Acq: 13 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.4	60.2	90.2
63	37.6	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: 67.067 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

Instrument :

BNA_G

ClientSampled :

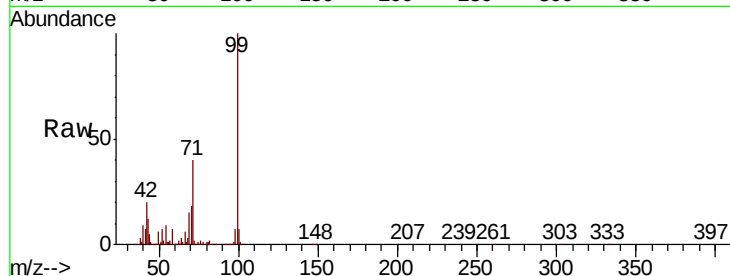
Tot Ion: 99 Resp: 512771

Ion Ratio Lower Upper

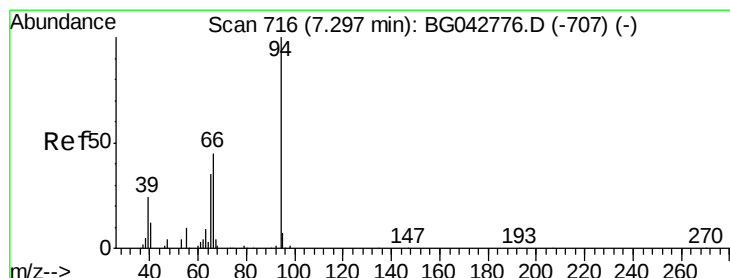
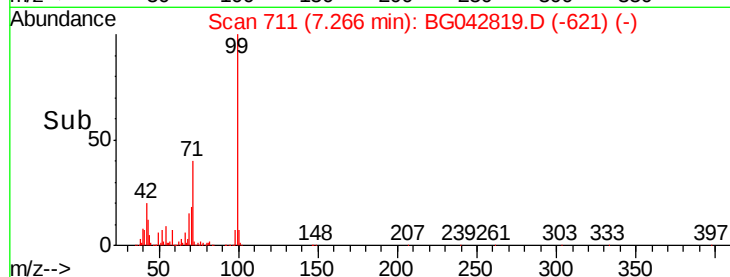
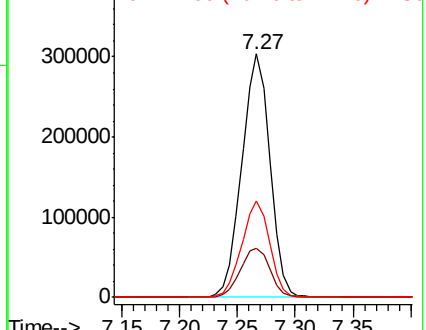
99 100

42 20.3 17.5 26.3

71 39.7 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



#10

Phenol

Concen: 2.492 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

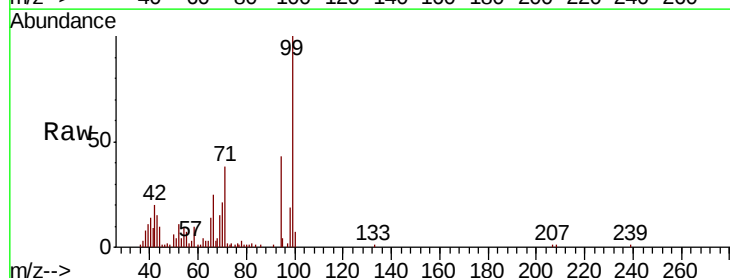
Tgt Ion: 94 Resp: 19536

Ion Ratio Lower Upper

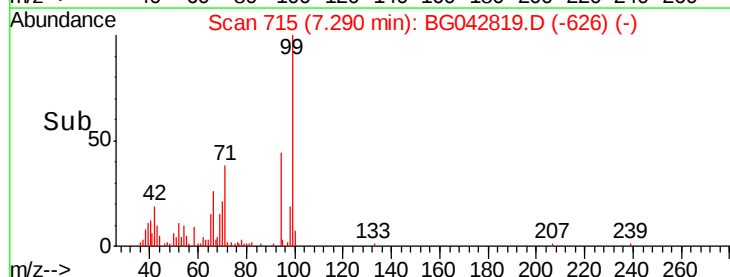
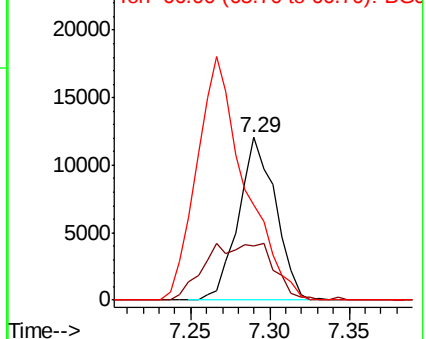
94 100

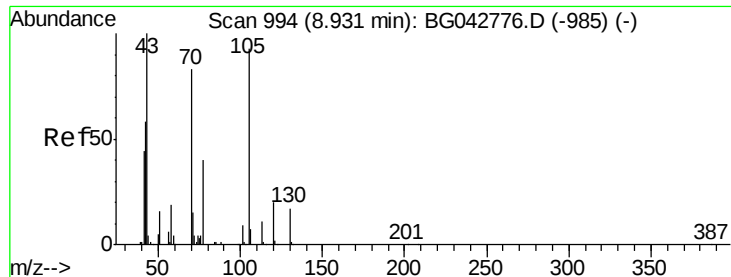
65 33.4 15.0 55.0

66 58.7 26.1 66.1



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: 12.494 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 70388

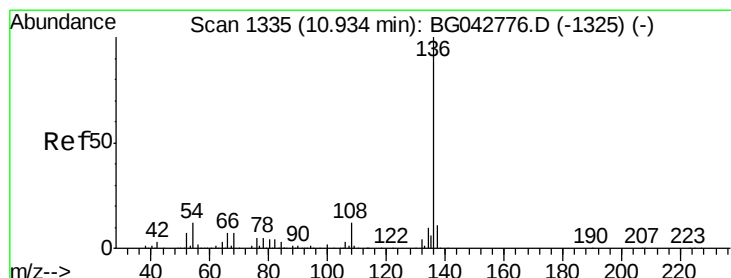
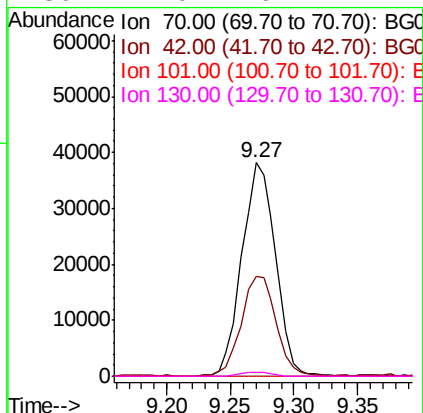
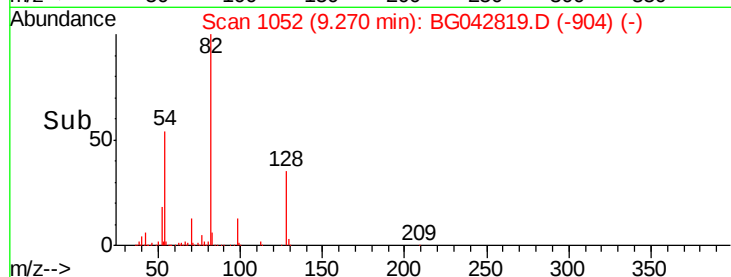
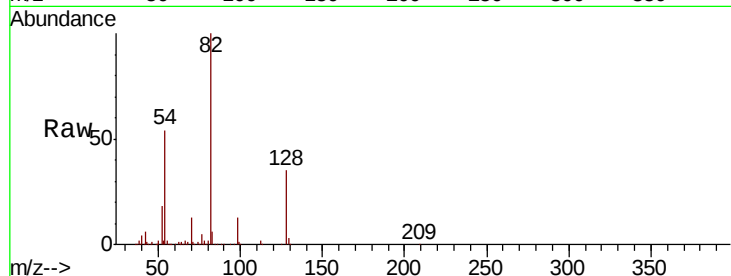
Ion Ratio Lower Upper

70 100

42 46.9 57.0 85.6#

101 0.0 8.4 12.6#

130 2.0 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: BG042819.D

Acq: 13 Sep 2019 16:39

Tgt Ion: 136 Resp: 364721

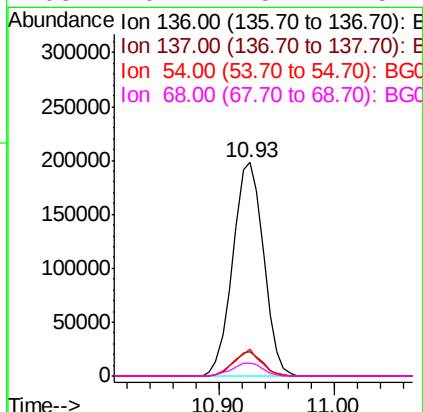
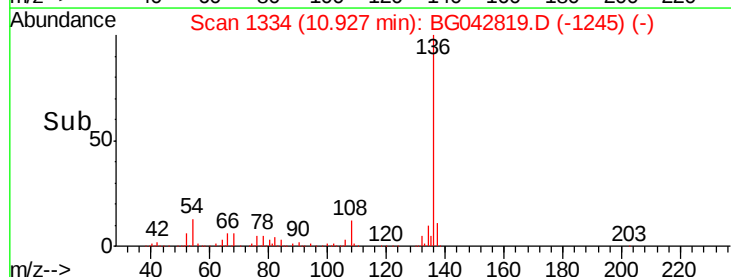
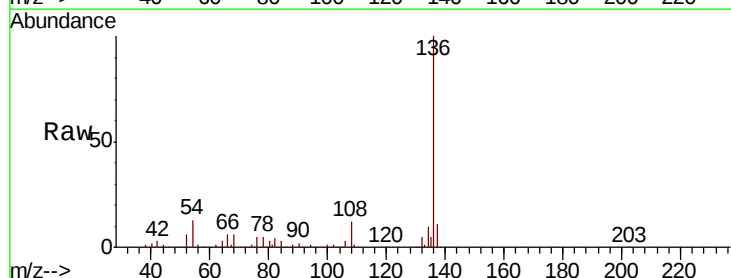
Ion Ratio Lower Upper

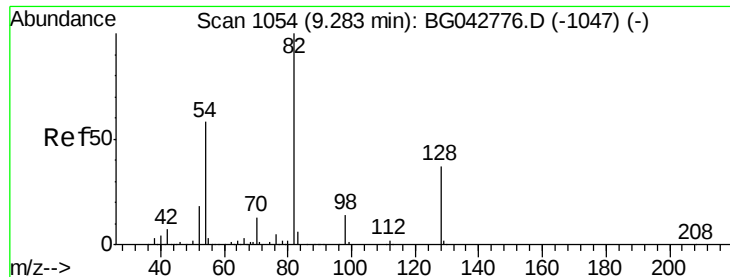
136 100

137 11.1 9.0 13.6

54 12.5 9.4 14.0

68 6.1 5.4 8.2

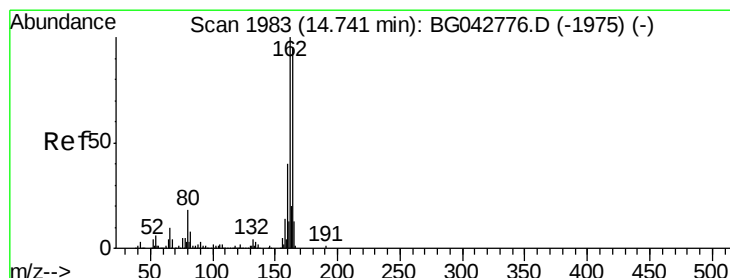
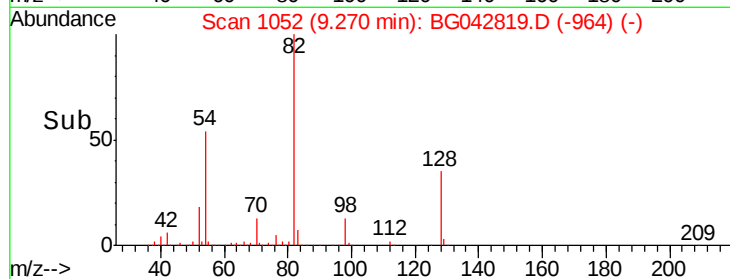
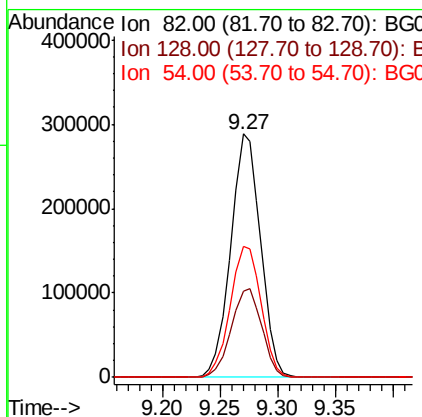
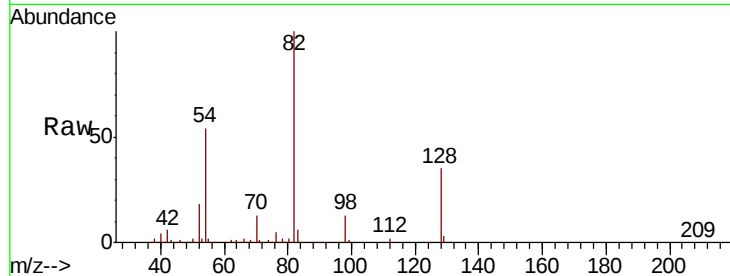




#23
 Nitrobenzene-d5
 Concen: 73.552 ng
 RT: 9.27 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

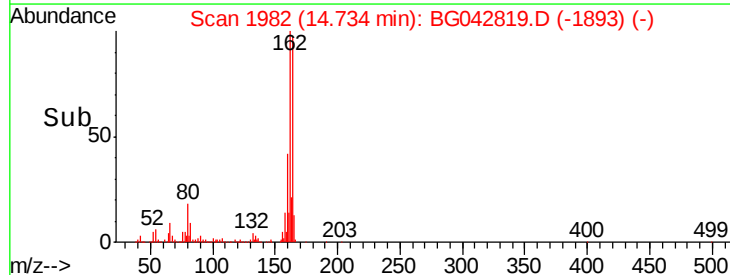
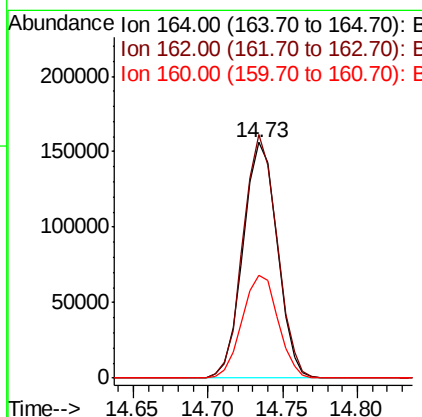
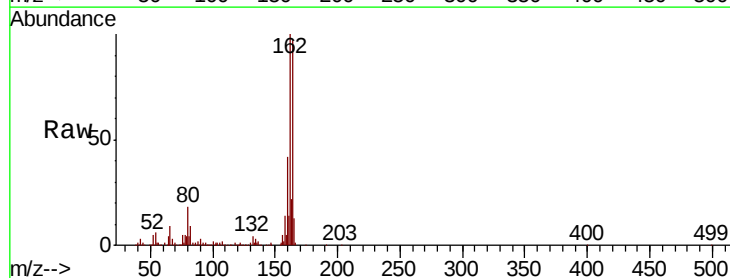
Instrument :
 BNA_G
 ClientSampleId :

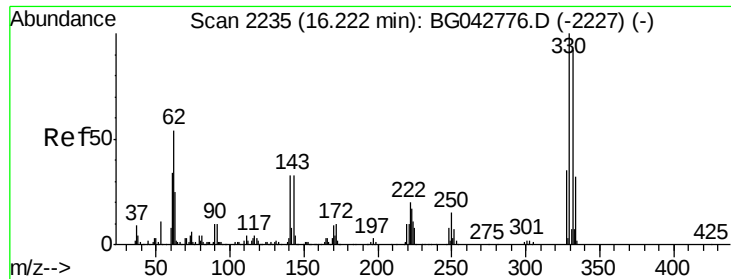
Tot Ion	82	Resp	515263
Ion Ratio	Lower	Upper	
82	100		
128	35.1	29.8	44.8
54	53.7	46.1	69.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

Tgt Ion	164	Resp	247091
Ion Ratio	Lower	Upper	
164	100		
162	103.4	84.6	126.8
160	43.6	34.2	51.2

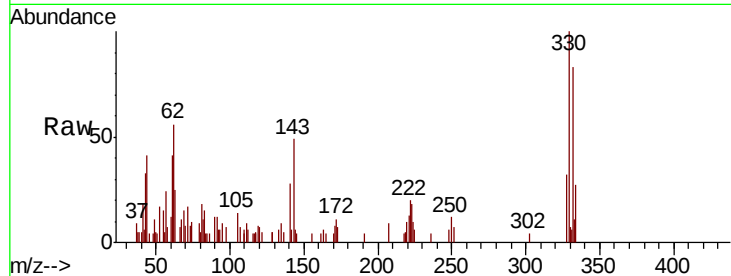




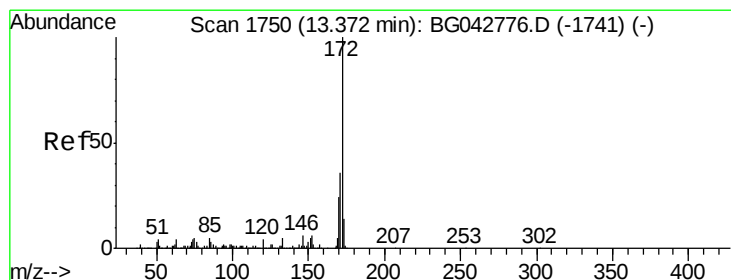
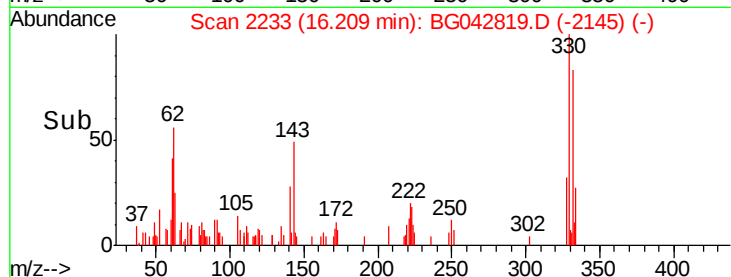
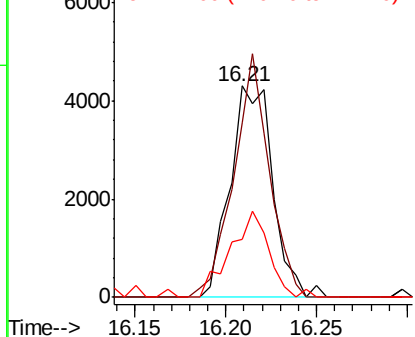
#42
 2,4,6-Tribromophenol
 Concen: 2.141 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 7037
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.7 115.1
 141 36.9 27.0 40.6

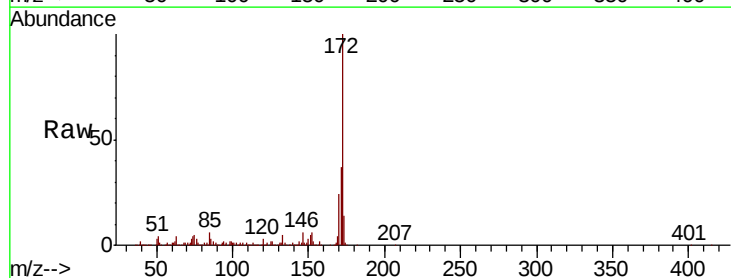


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

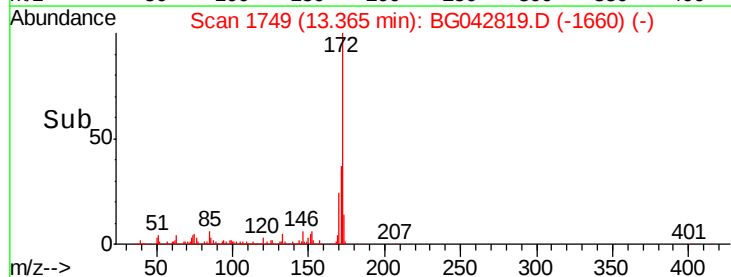
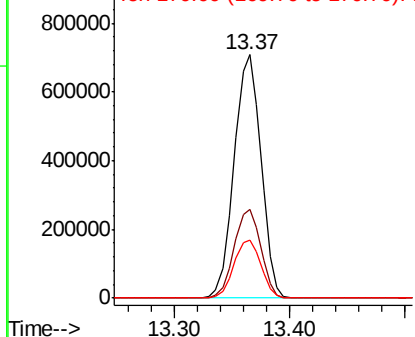


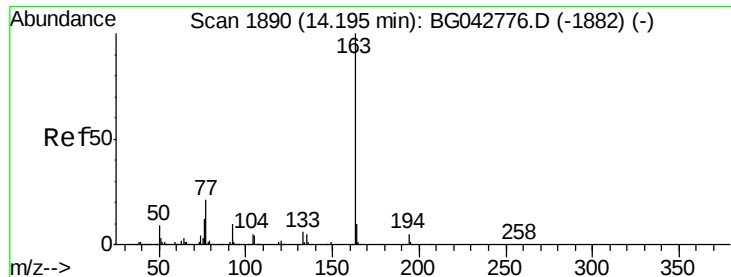
#45
 2-Fluorobiphenyl
 Concen: 72.785 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

Tgt Ion:172 Resp: 1136144
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 23.7 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





#50

Dimethylphthalate

Concen: 4.288 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

Instrument :

BNA_G

ClientSampleId :

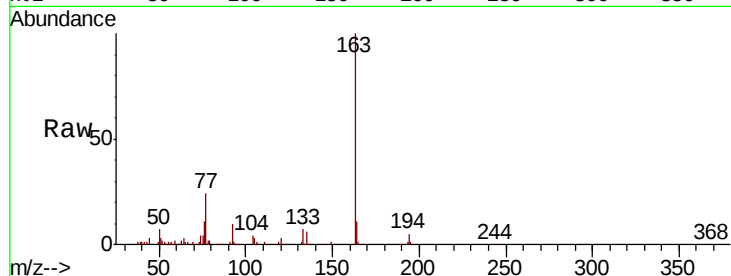
Tot Ion:163 Resp: 79378

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.4

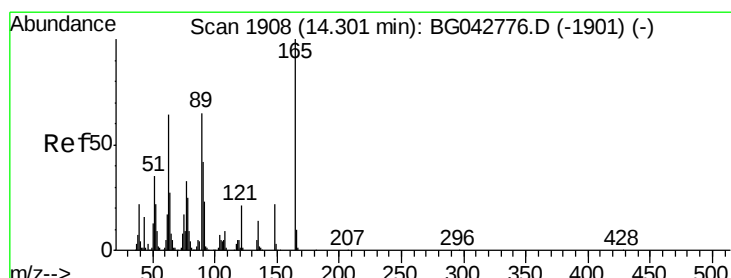
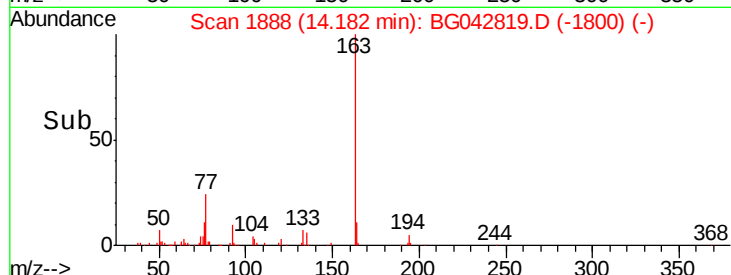
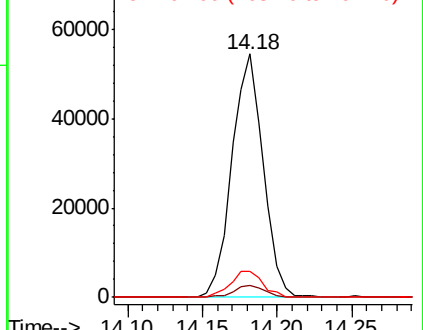
164 10.5 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 9.005 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

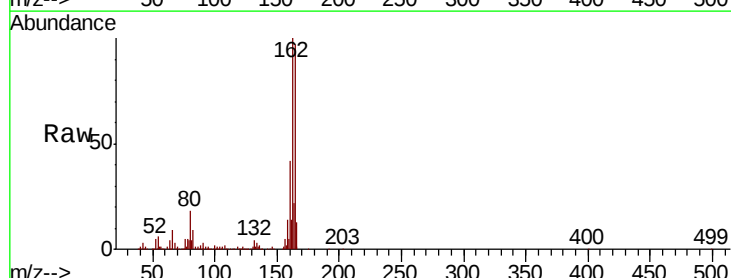
Tgt Ion:165 Resp: 34202

Ion Ratio Lower Upper

165 100

63 2.0 52.1 78.1#

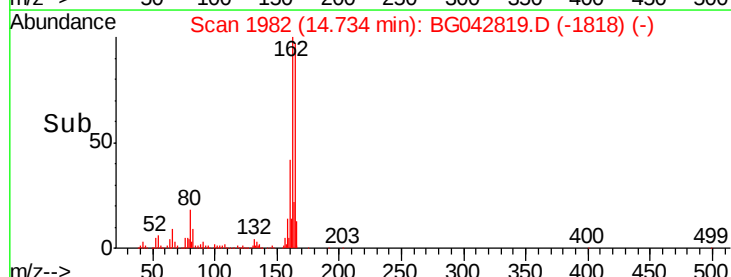
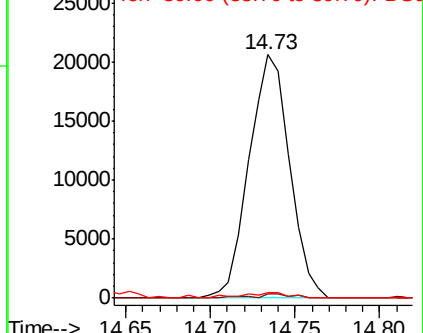
89 2.5 51.7 77.5#

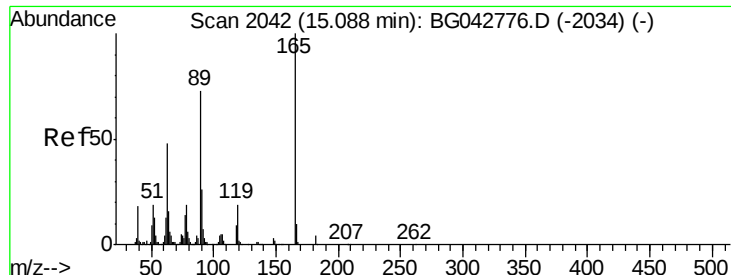


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#57

2,4-Dinitrotoluene

Concen: 6.756 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 34202

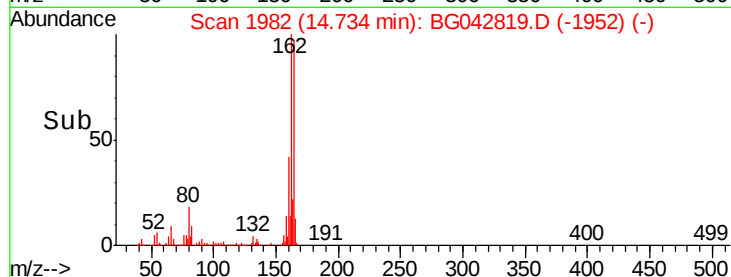
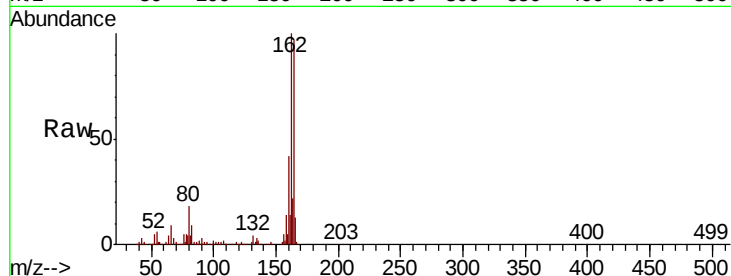
Ion Ratio Lower Upper

165 100

63 2.0 38.3 57.5#

89 2.5 58.4 87.6#

182 0.0 2.9 4.3#

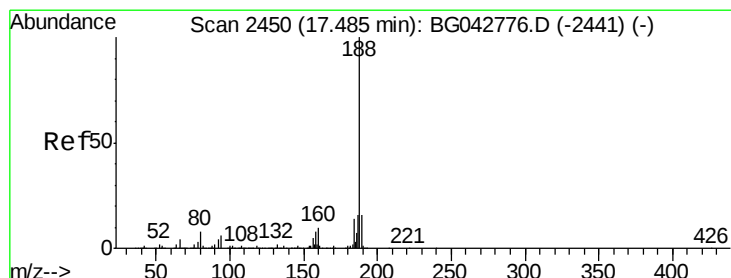
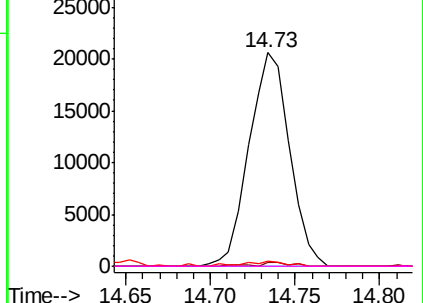


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042819.D

Acq: 13 Sep 2019 16:39

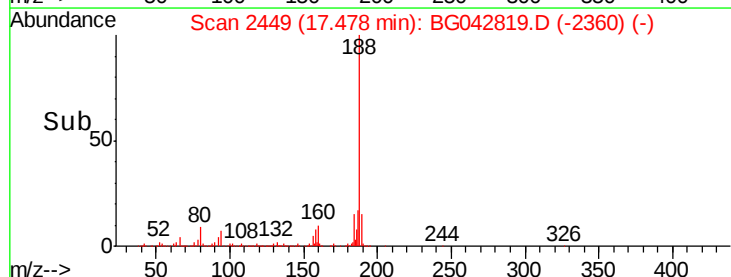
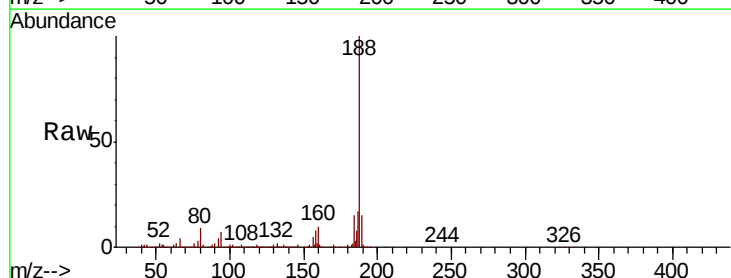
Tgt Ion:188 Resp: 530740

Ion Ratio Lower Upper

188 100

94 6.6 4.8 7.2

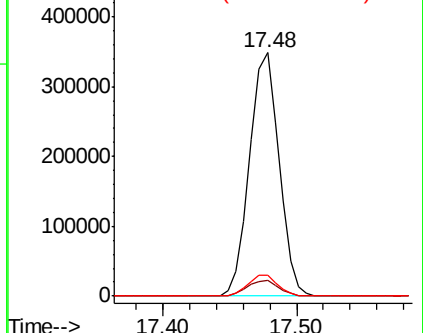
80 8.6 6.6 9.8

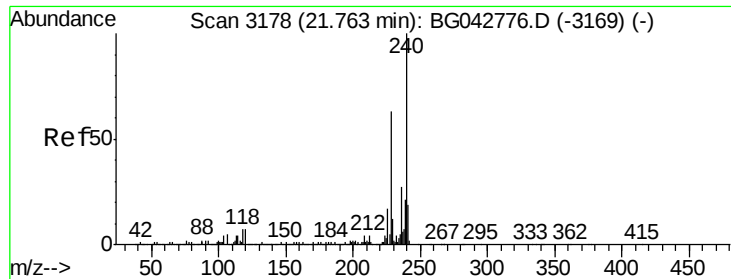


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

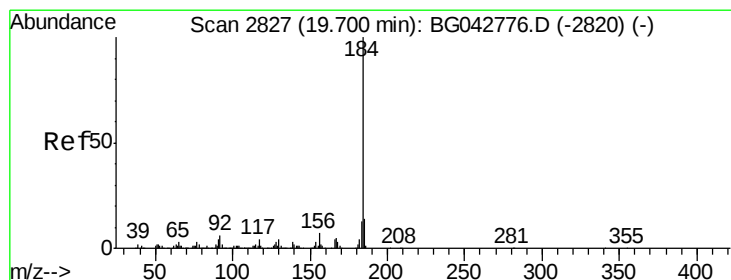
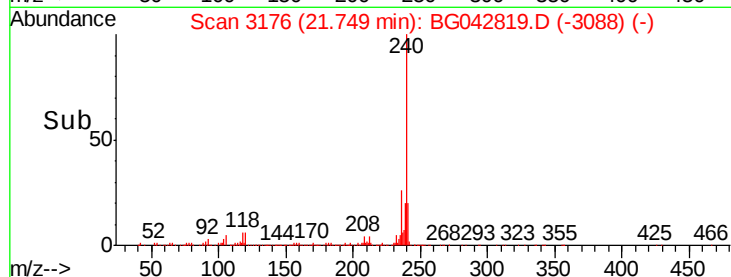
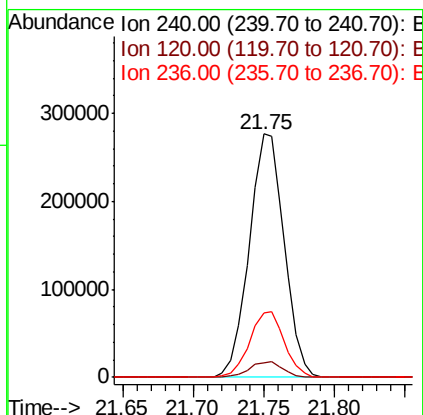
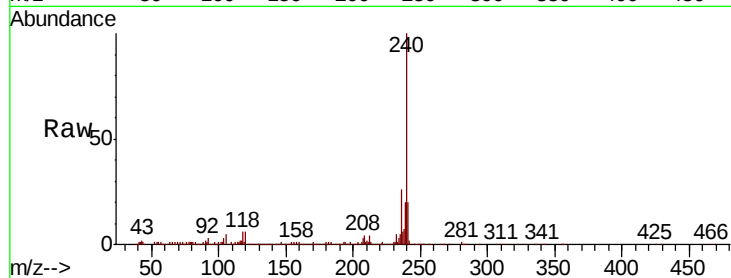




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

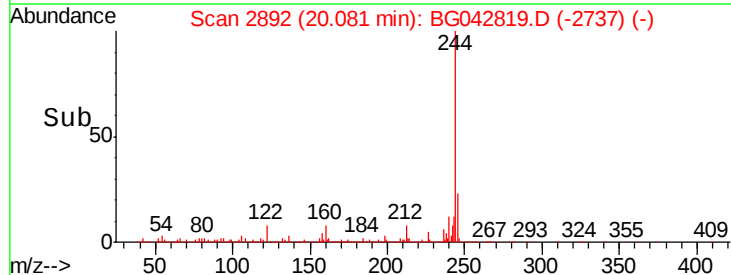
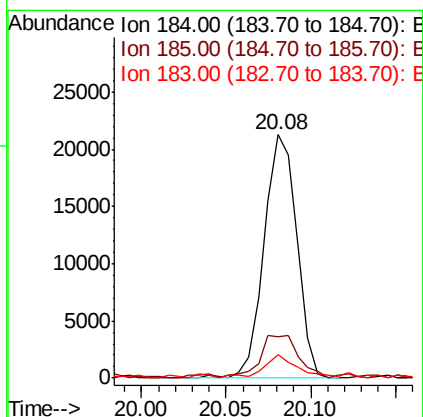
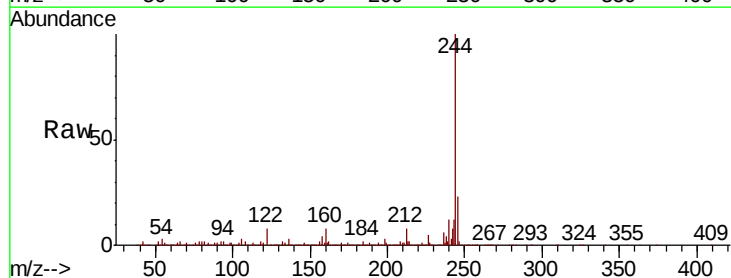
Instrument :
 BNA_G
 ClientSampleId :

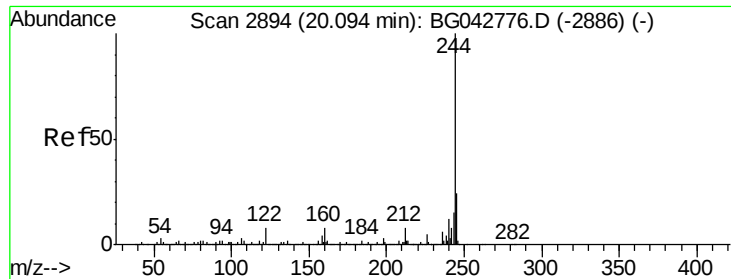
Tot Ion:240 Resp: 479856
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.4 8.2
 236 26.3 21.7 32.5



#77
 Benzidine
 Concen: 2.134 ng
 RT: 20.08 min Scan# 2892
 Delta R.T. 0.38 min
 Lab File: BG042819.D
 Acq: 13 Sep 2019 16:39

Tgt Ion:184 Resp: 28613
 Ion Ratio Lower Upper
 184 100
 185 17.0 11.6 17.4
 183 9.5 10.4 15.6#





#79

Terphenyl-d14

Concen: 76.612 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042819.D

Acq: 13 Sep 2019 16:39

Instrument :

BNA_G

ClientSampleId :

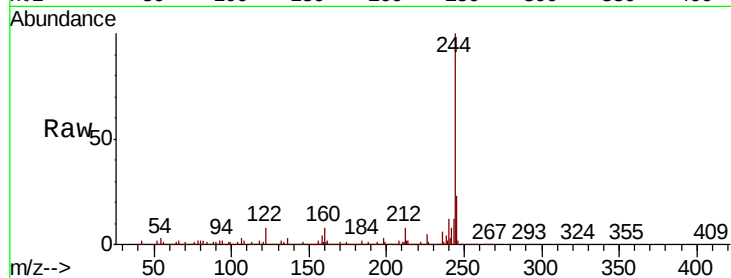
Tot Ion:244 Resp: 1658749

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

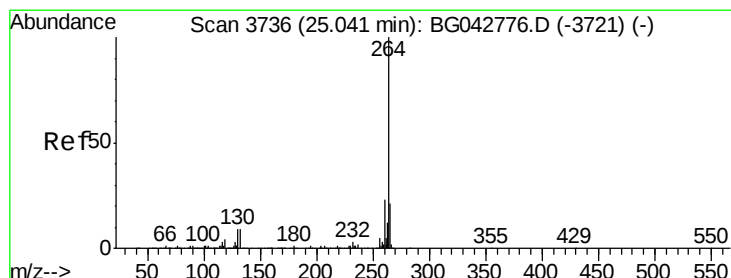
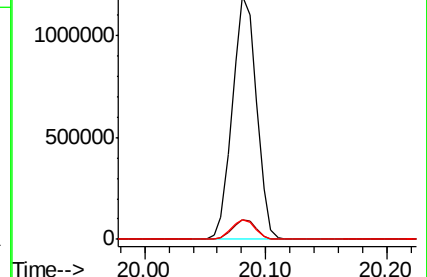
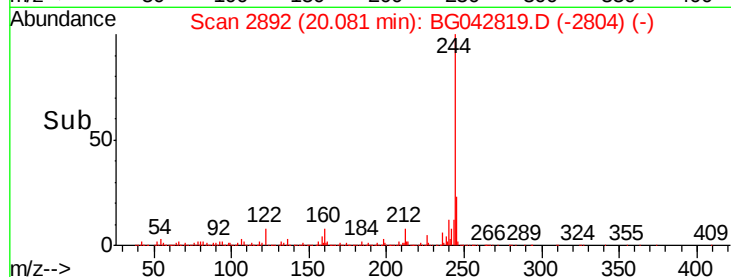
122 8.0 6.2 9.4



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: BG042819.D

Acq: 13 Sep 2019 16:39

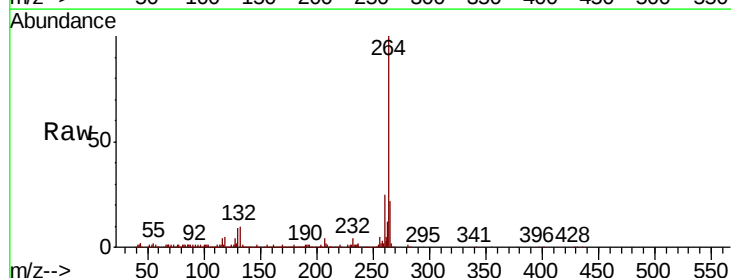
Tgt Ion:264 Resp: 539778

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 22.2 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

