

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042826.D
 Acq On : 13 Sep 2019 21:06
 Operator : HP/JU
 Sample : K4847-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 22:59:47 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

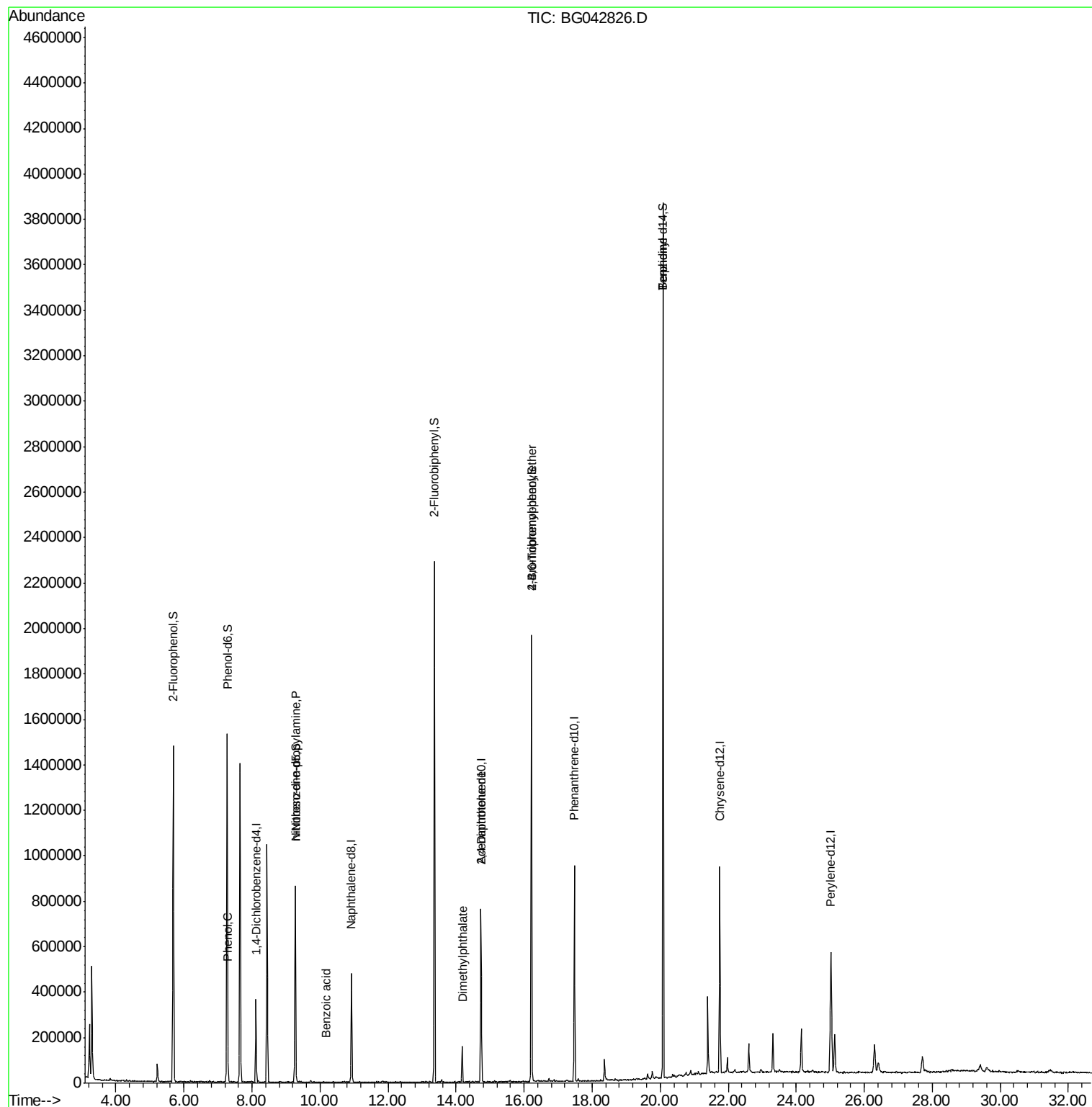
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	97484	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	385574	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	264919	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	588875	20.00	ng	0.00
76) Chrysene-d12	21.75	240	553807	20.00	ng	-0.01
87) Perylene-d12	25.02	264	613634	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	586628	104.62	ng	0.00
7) Phenol-d6	7.27	99	868222	107.88	ng	0.00
23) Nitrobenzene-d5	9.27	82	540682	73.01	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	368929	104.67	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1196909	71.52	ng	0.00
79) Terphenyl-d14	20.09	244	1873173	74.96	ng	0.00
Target Compounds						
10) Phenol	7.29	94	37943	4.597	ng	94
19) n-Nitroso-di-n-propylamine	9.27	70	75866	12.793	ng	# 67
32) Benzoic acid	10.18	122	57	5.976	ng	# 1
50) Dimethylphthalate	14.18	163	102561	5.168	ng	97
57) 2,4-Dinitrotoluene	14.73	165	35950	6.623	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	25117	3.524	ng	# 1
77) Benzidine	20.08	184	31922	2.063	ng	# 93

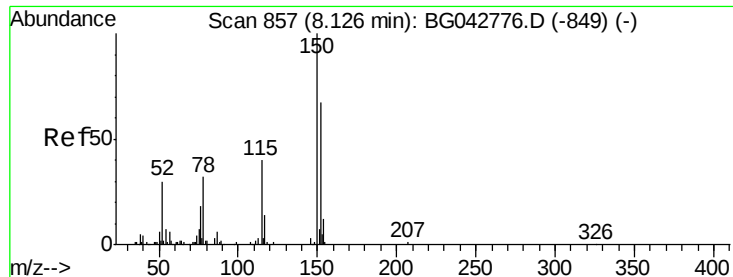
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



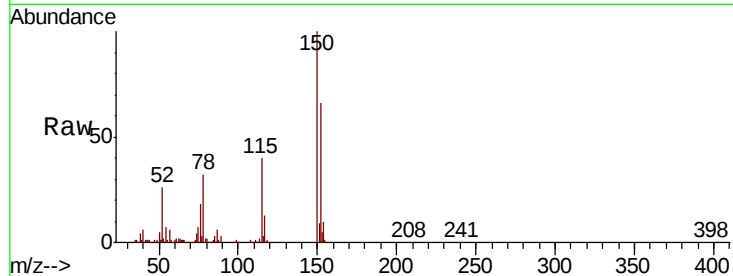


#1

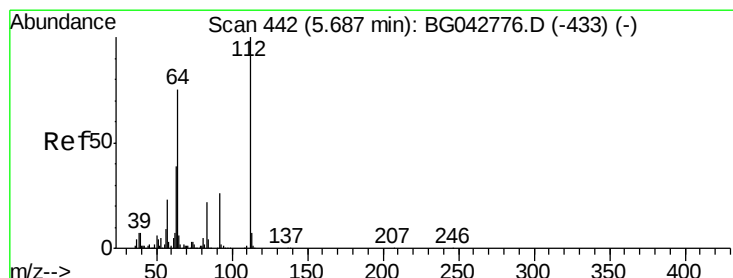
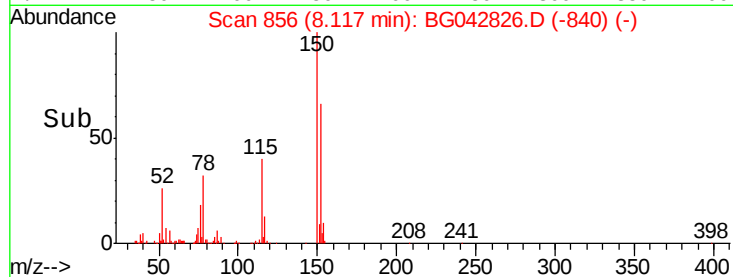
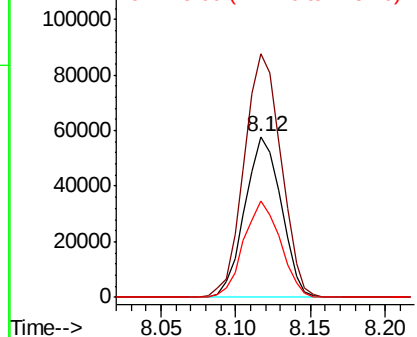
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 97484
Ion Ratio Lower Upper
152 100
150 151.6 118.9 178.3
115 60.3 47.4 71.2



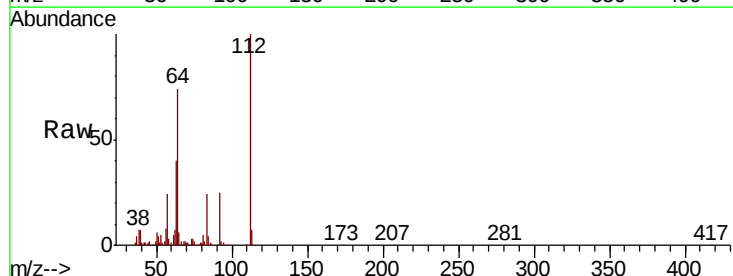
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



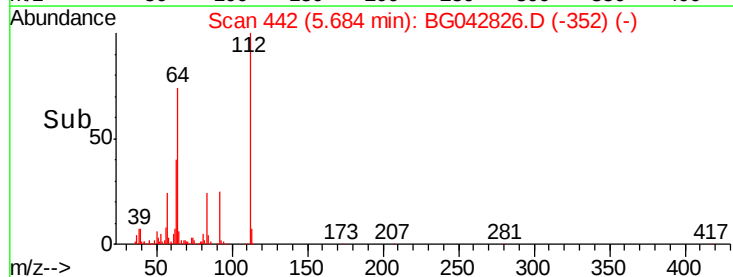
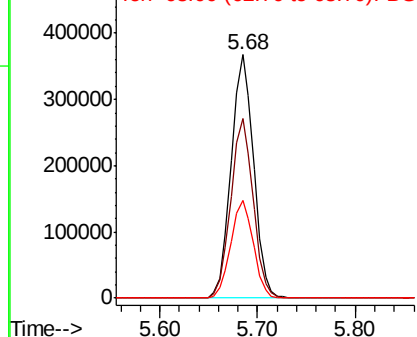
#5

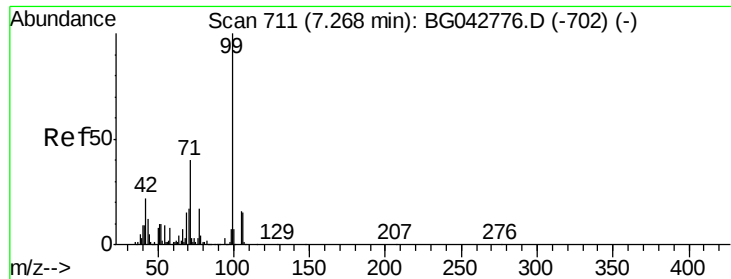
2-Fluorophenol
Concen: 104.620 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

Tgt Ion:112 Resp: 586628
Ion Ratio Lower Upper
112 100
64 73.8 60.2 90.2
63 40.0 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: 107.877 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

Instrument :

BNA_G

ClientSampleId :

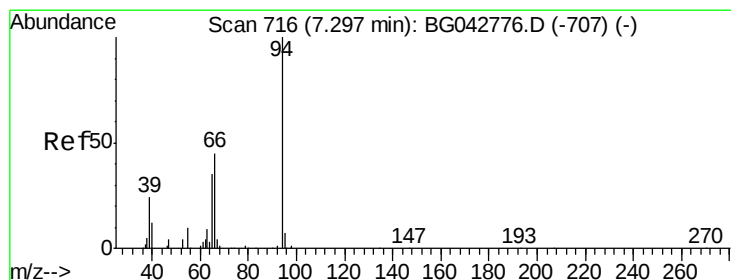
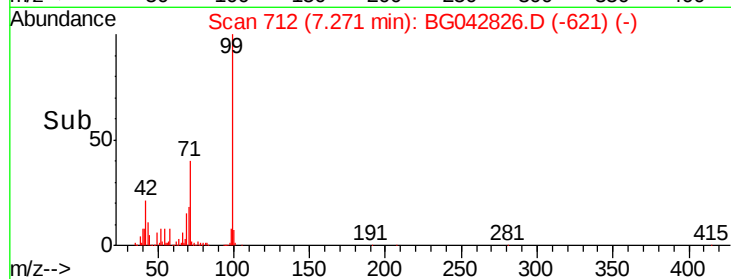
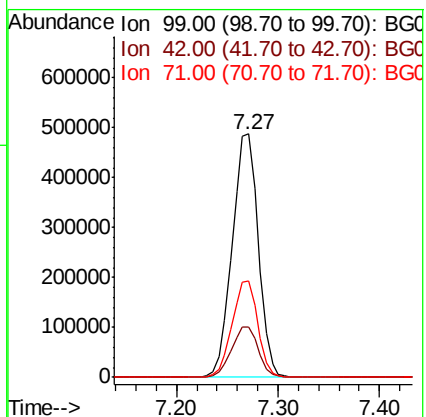
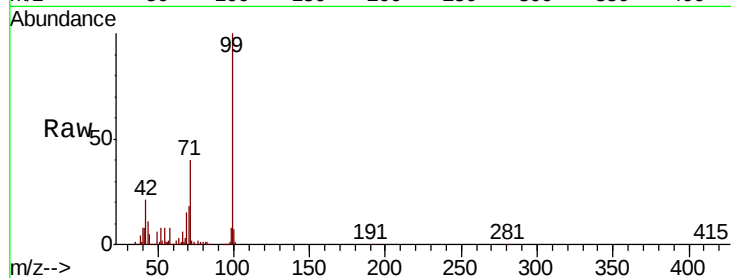
Tot Ion: 99 Resp: 868222

Ion Ratio Lower Upper

99 100

42 20.8 17.5 26.3

71 39.8 32.0 48.0



#10

Phenol

Concen: 4.597 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

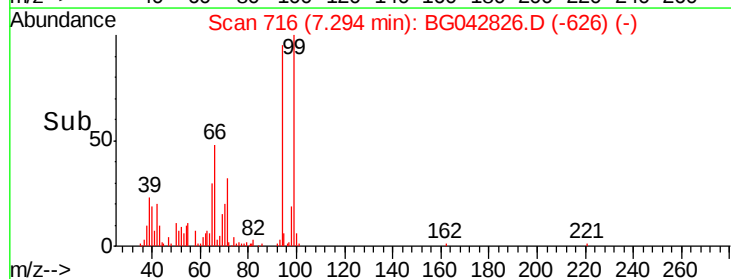
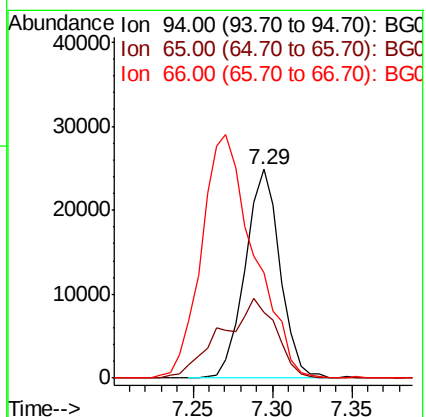
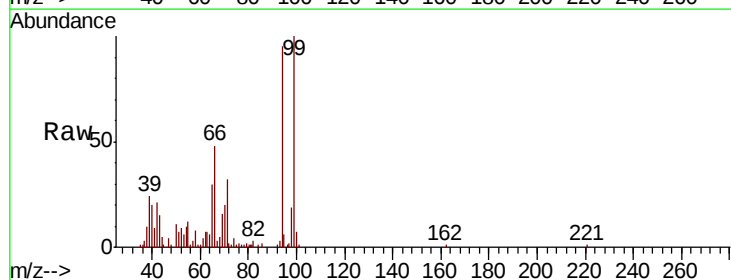
Tgt Ion: 94 Resp: 37943

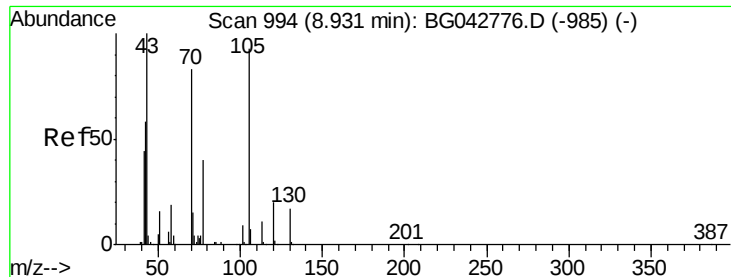
Ion Ratio Lower Upper

94 100

65 31.4 15.0 55.0

66 50.3 26.1 66.1





#19

n-Nitroso-di-n-propylamine

Concen: 12.793 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 75866

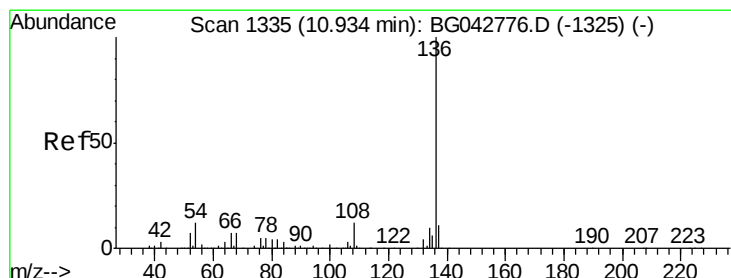
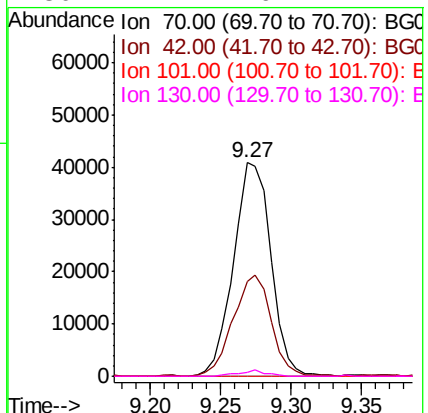
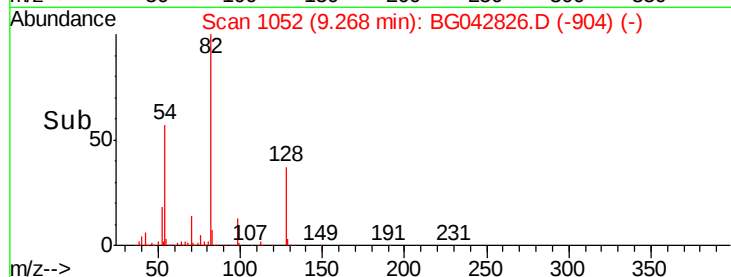
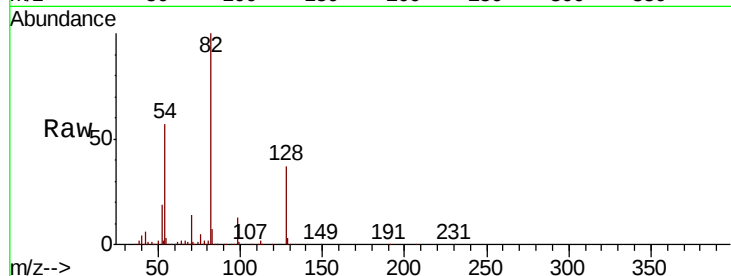
Ion Ratio Lower Upper

70 100

42 44.6 57.0 85.6#

101 0.0 8.4 12.6#

130 2.1 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: BG042826.D

Acq: 13 Sep 2019 21:06

Tgt Ion: 136 Resp: 385574

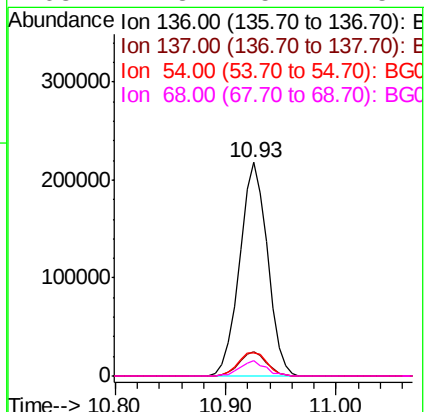
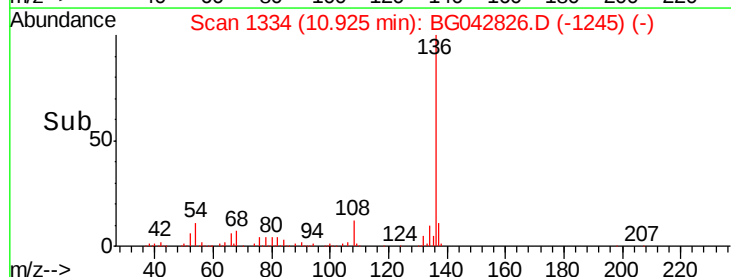
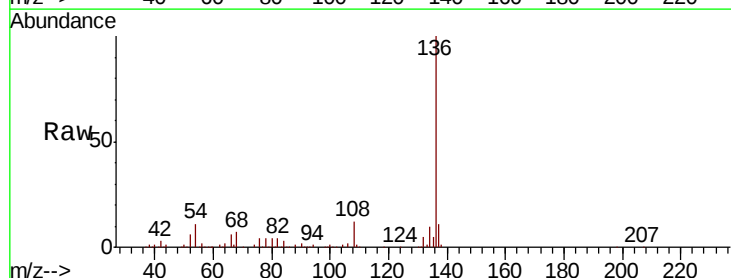
Ion Ratio Lower Upper

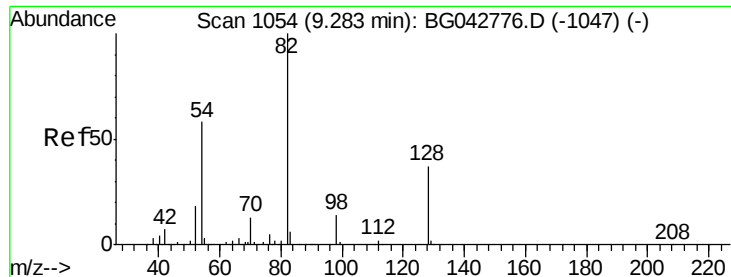
136 100

137 11.4 9.0 13.6

54 11.1 9.4 14.0

68 7.3 5.4 8.2

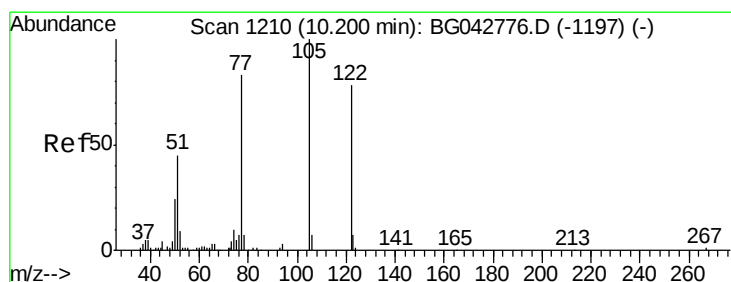
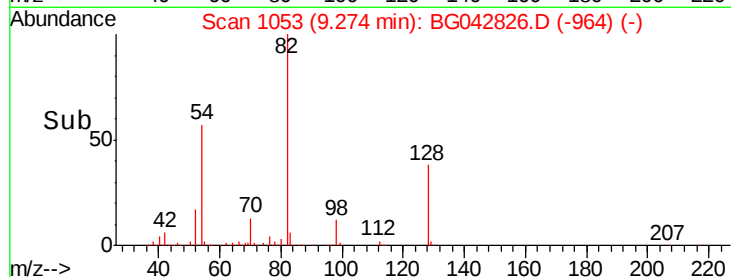
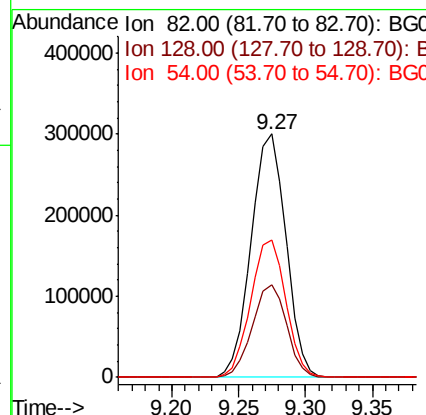
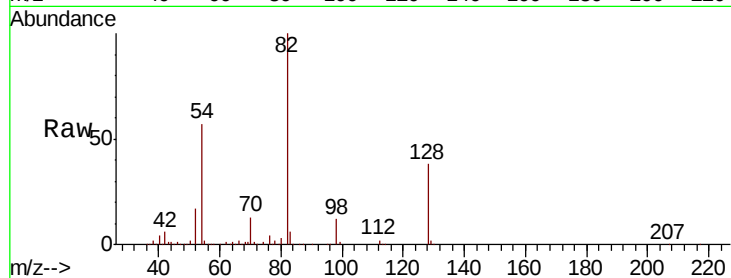




#23
 Nitrobenzene-d5
 Concen: 73.006 ng
 RT: 9.27 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042826.D
 Acq: 13 Sep 2019 21:06

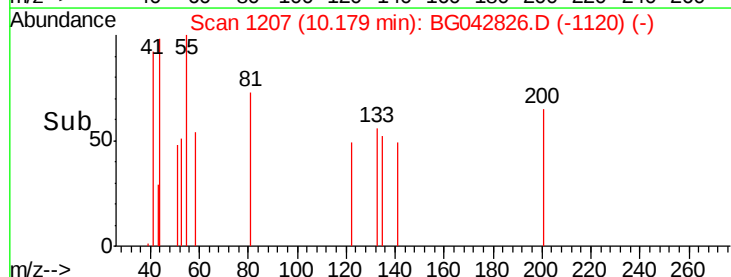
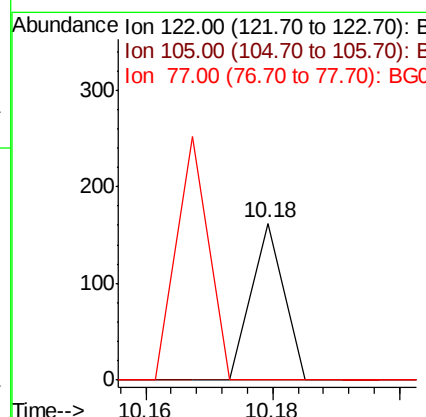
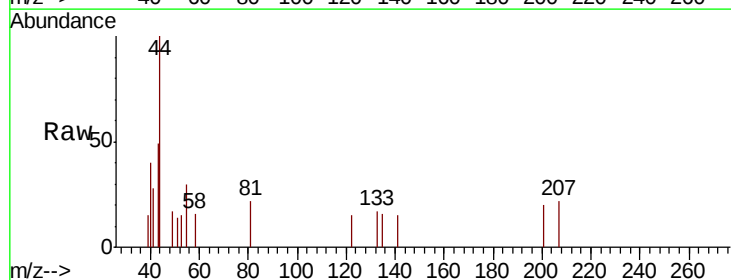
Instrument :
 BNA_G
 ClientSampleId :

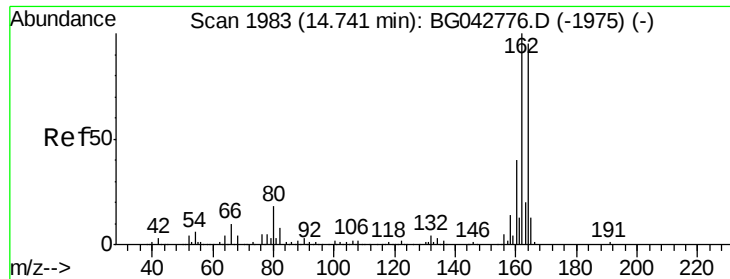
Tot Ion	82	Resp	540682
Ion Ratio	100	Lower	Upper
128	38.1	29.8	44.8
54	56.6	46.1	69.1



#32
 Benzoic acid
 Concen: 5.976 ng
 RT: 10.18 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BG042826.D
 Acq: 13 Sep 2019 21:06

Tgt Ion	122	Resp	57
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
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: BG042826.D

Acq: 13 Sep 2019 21:06

Instrument :

BNA_G

ClientSampleId :

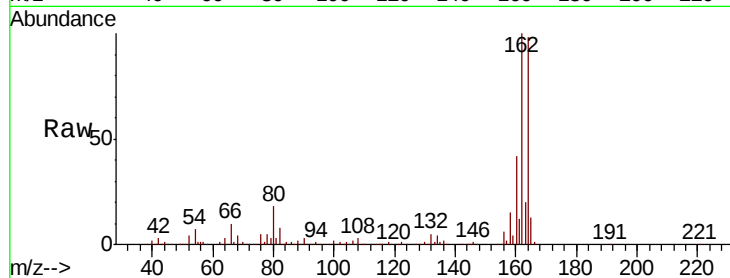
Tot Ion:164 Resp: 264919

Ion Ratio Lower Upper

164 100

162 101.7 84.6 126.8

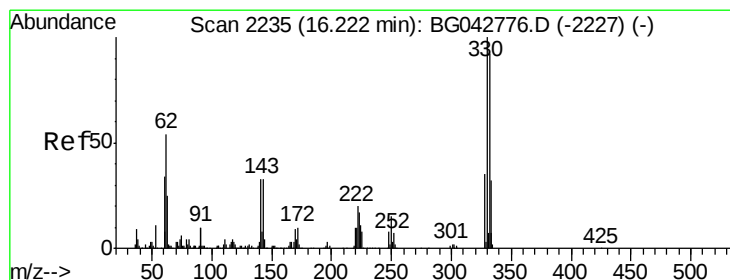
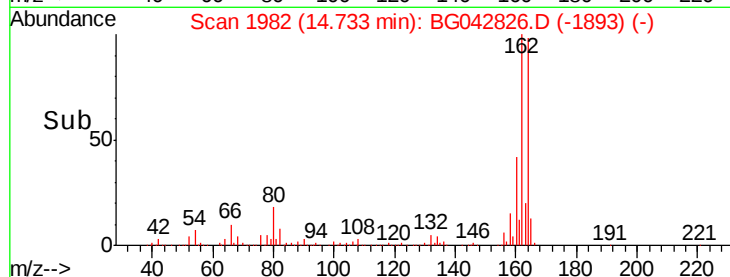
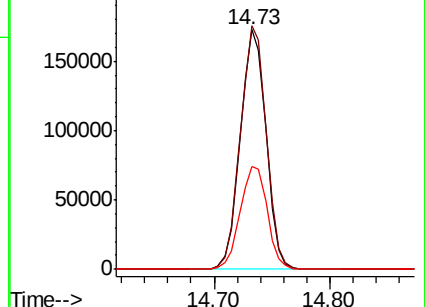
160 43.2 34.2 51.2



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: 104.674 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

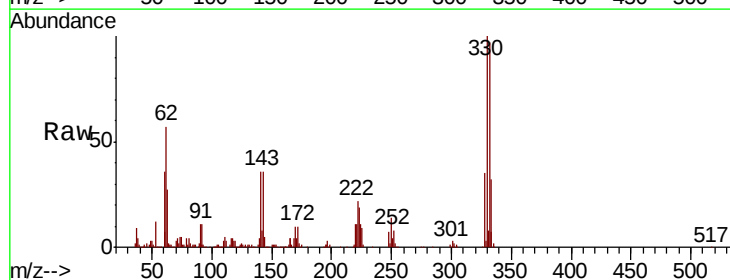
Tgt Ion:330 Resp: 368929

Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

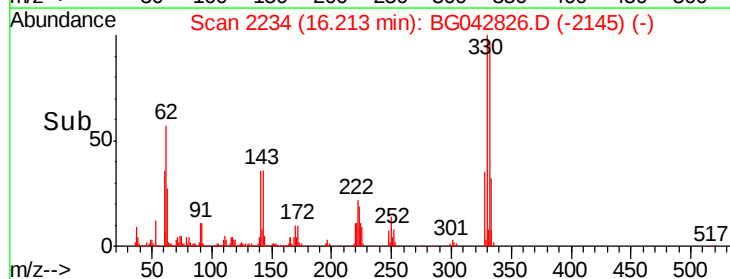
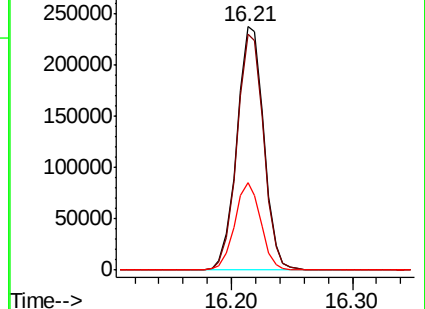
141 34.7 27.0 40.6

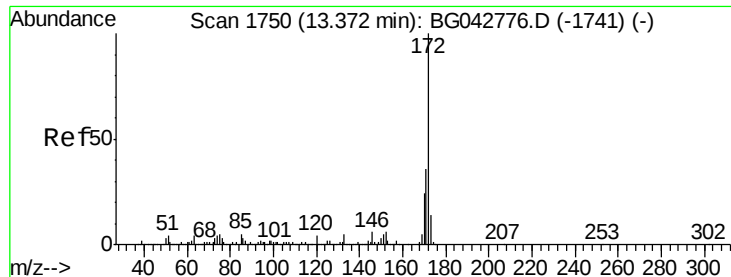


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

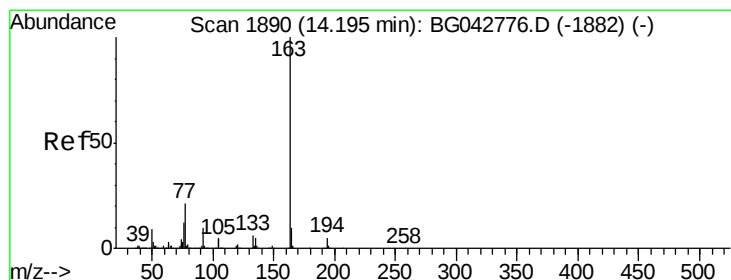
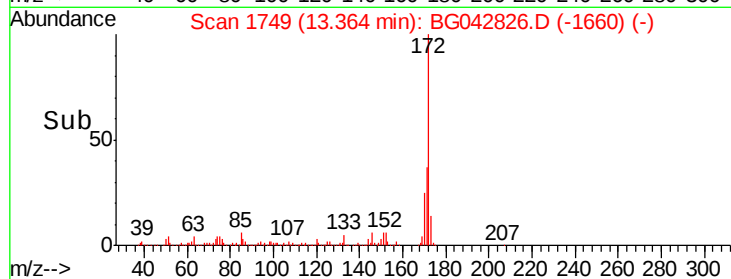
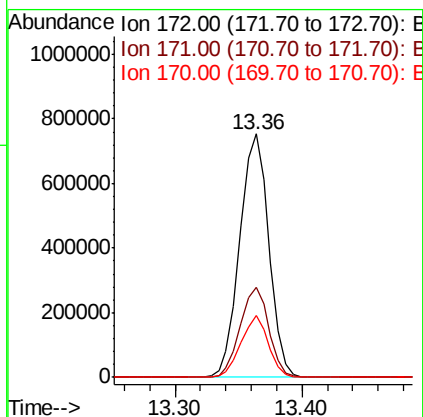
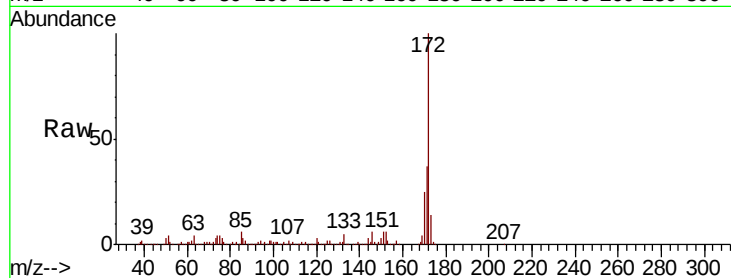




#45
2-Fluorobiphenyl
Concen: 71.517 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

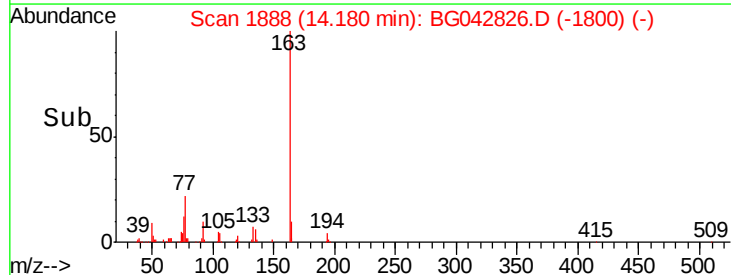
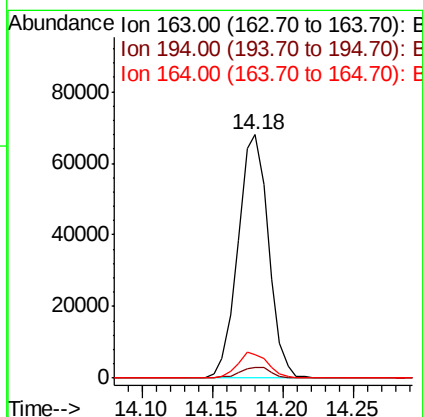
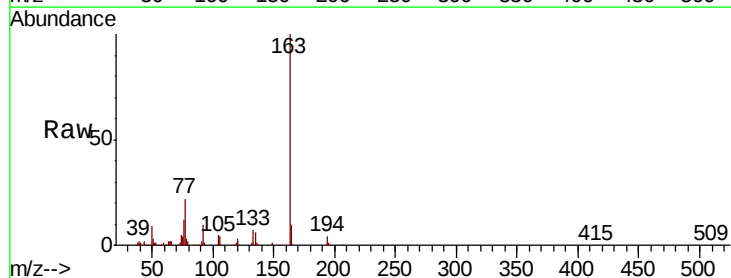
Instrument :
BNA_G
ClientSampleId :

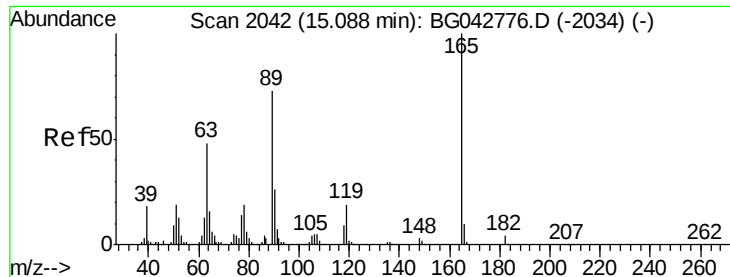
Tot Ion:172 Resp: 1196909
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 25.2 19.1 28.7



#50
Dimethylphthalate
Concen: 5.168 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

Tgt Ion:163 Resp: 102561
Ion Ratio Lower Upper
163 100
194 4.4 4.2 6.4
164 9.5 8.4 12.6

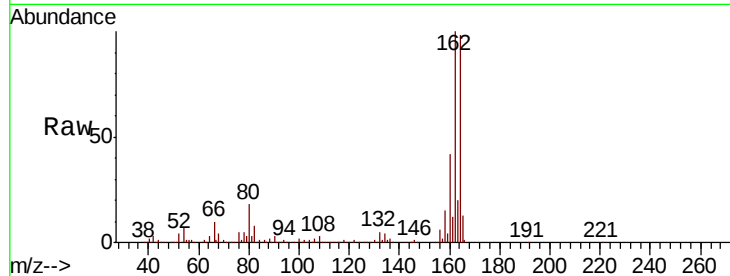




#57
 2,4-Dinitrotoluene
 Concen: 6.623 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG042826.D
 Acq: 13 Sep 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	38.3	57.5#
89	2.4	58.4	87.6#
182	0.0	2.9	4.3#

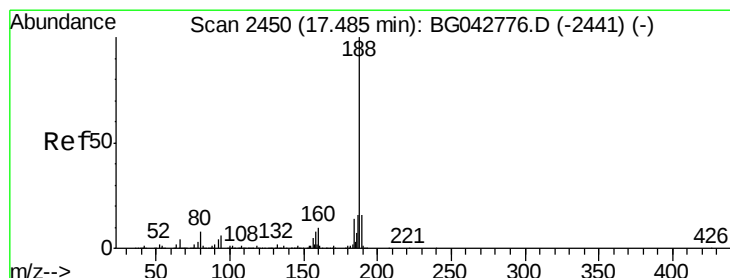
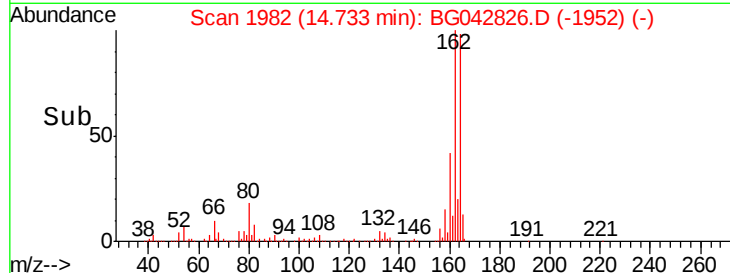
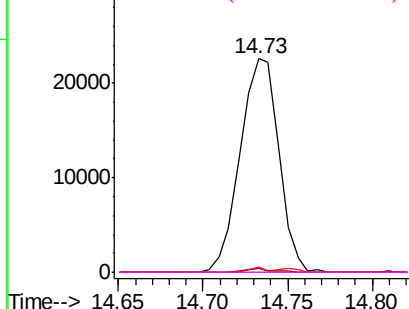


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

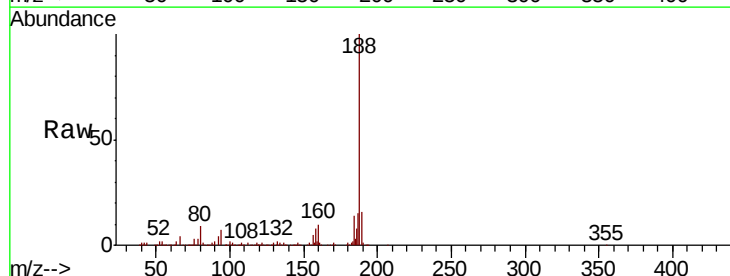
Ion 89.00 (88.70 to 89.70): BGC

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: BG042826.D
 Acq: 13 Sep 2019 21:06

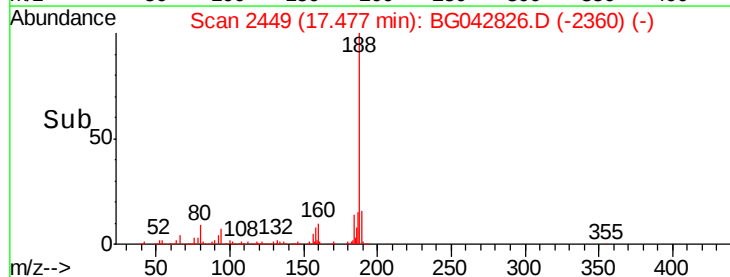
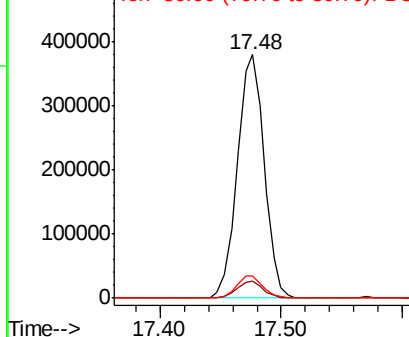
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	4.8	7.2#
80	9.0	6.6	9.8

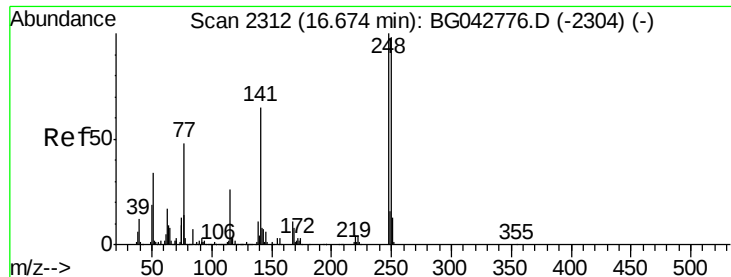


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

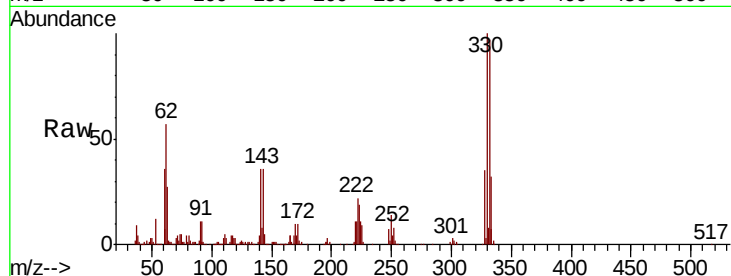




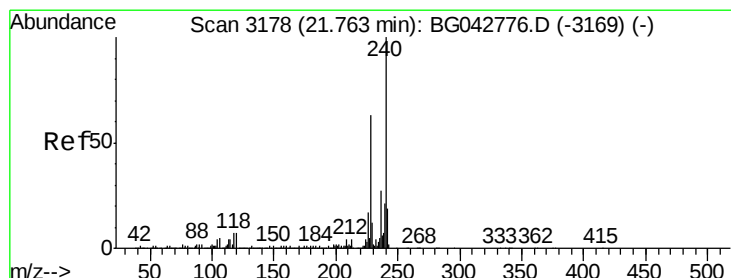
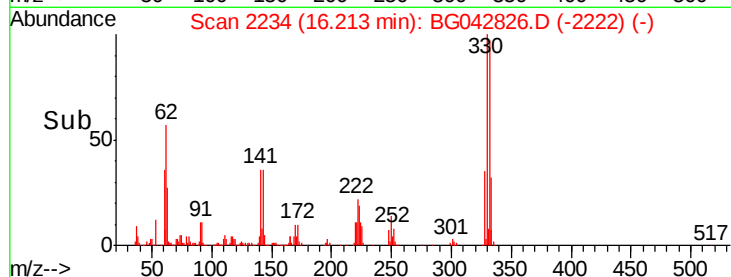
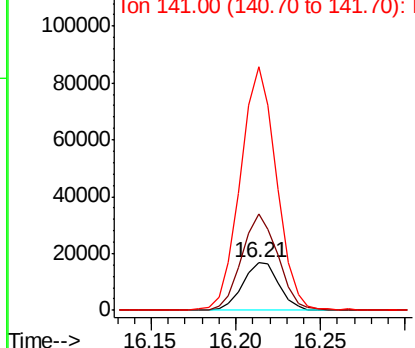
#67
4-Bromophenyl-phenylether
Concen: 3.524 ng
RT: 16.21 min Scan# 2234
Delta R.T. -0.46 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25117
Ion Ratio Lower Upper
248 100
250 205.4 78.0 117.0#
141 515.6 51.8 77.6#

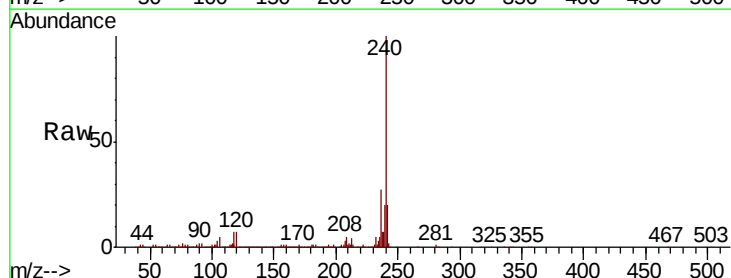


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

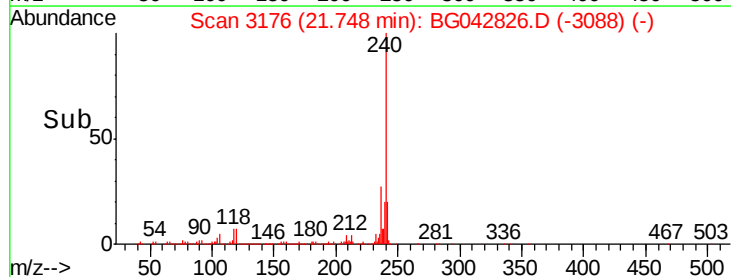
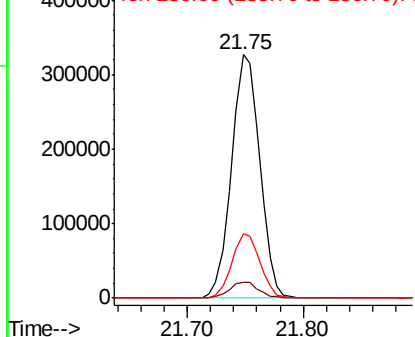


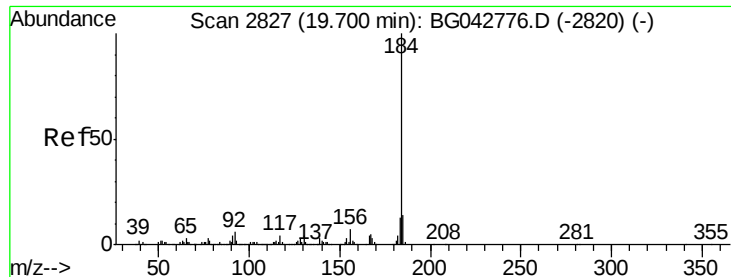
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG042826.D
Acq: 13 Sep 2019 21:06

Tgt Ion:240 Resp: 553807
Ion Ratio Lower Upper
240 100
120 6.6 5.4 8.2
236 26.6 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: 2.063 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

Instrument :

BNA_G

ClientSampleId :

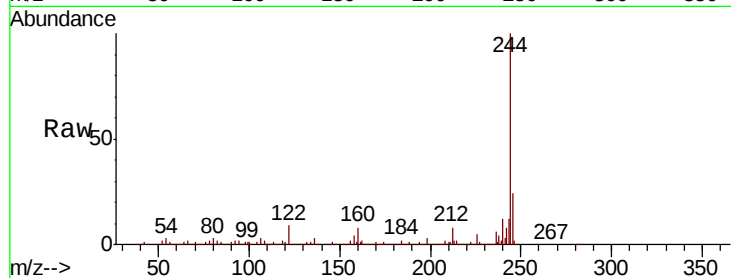
Tot Ion:184 Resp: 31922

Ion Ratio Lower Upper

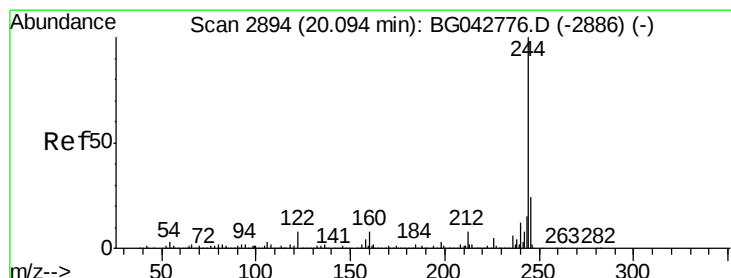
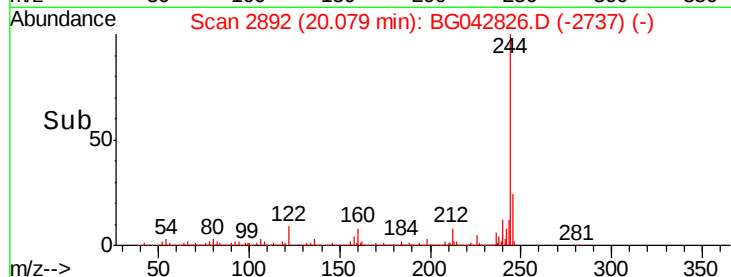
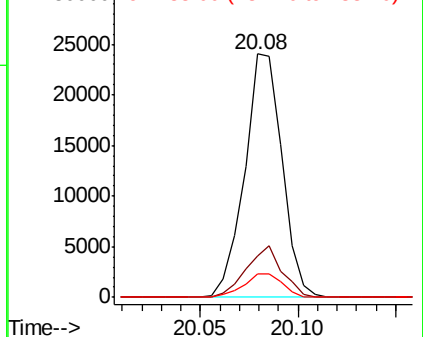
184 100

185 17.2 11.6 17.4

183 9.6 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: 74.962 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042826.D

Acq: 13 Sep 2019 21:06

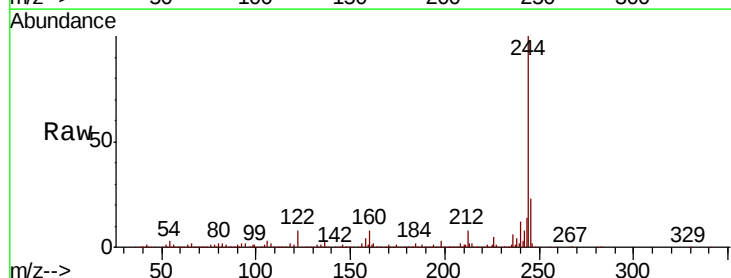
Tgt Ion:244 Resp: 1873173

Ion Ratio Lower Upper

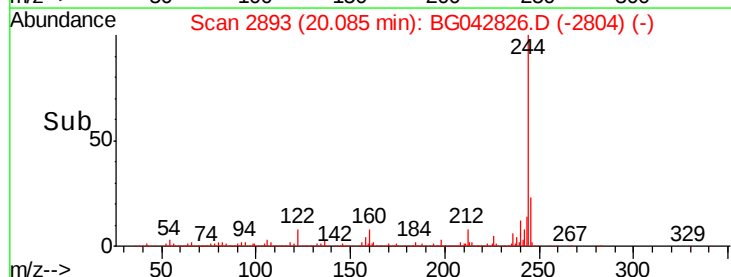
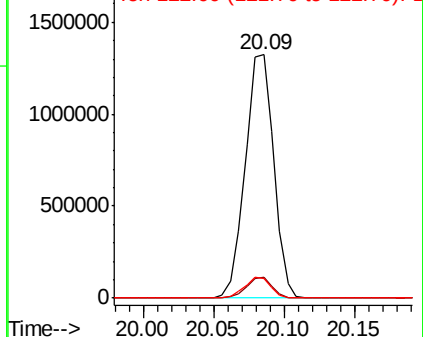
244 100

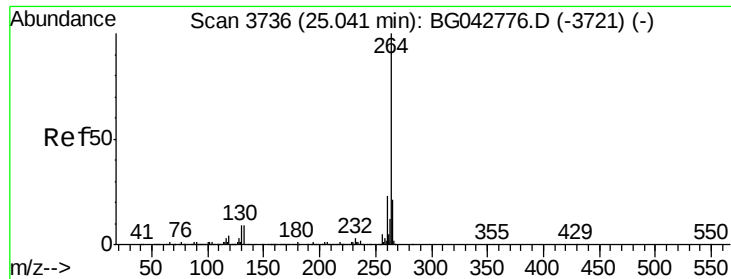
212 8.4 6.6 10.0

122 8.1 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.02 min
 Lab File: BG042826.D
 Acq: 13 Sep 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.2
265	22.7	16.9	25.3

