

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043242.D
 Acq On : 16 Oct 2019 8:08
 Operator : JU
 Sample : K5326-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 09:05:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55713	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	206417	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	145959	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	320157	20.00	ng	0.00
76) Chrysene-d12	21.70	240	342096	20.00	ng	0.00
87) Perylene-d12	24.92	264	408642	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	411713	131.88	ng	0.00
7) Phenol-d6	7.23	99	563286	125.30	ng	0.00
23) Nitrobenzene-d5	9.22	82	366252	86.24	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	345947	137.84	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	972668	96.61	ng	0.00
79) Terphenyl-d14	20.03	244	1685094	104.96	ng	0.00

Target Compounds

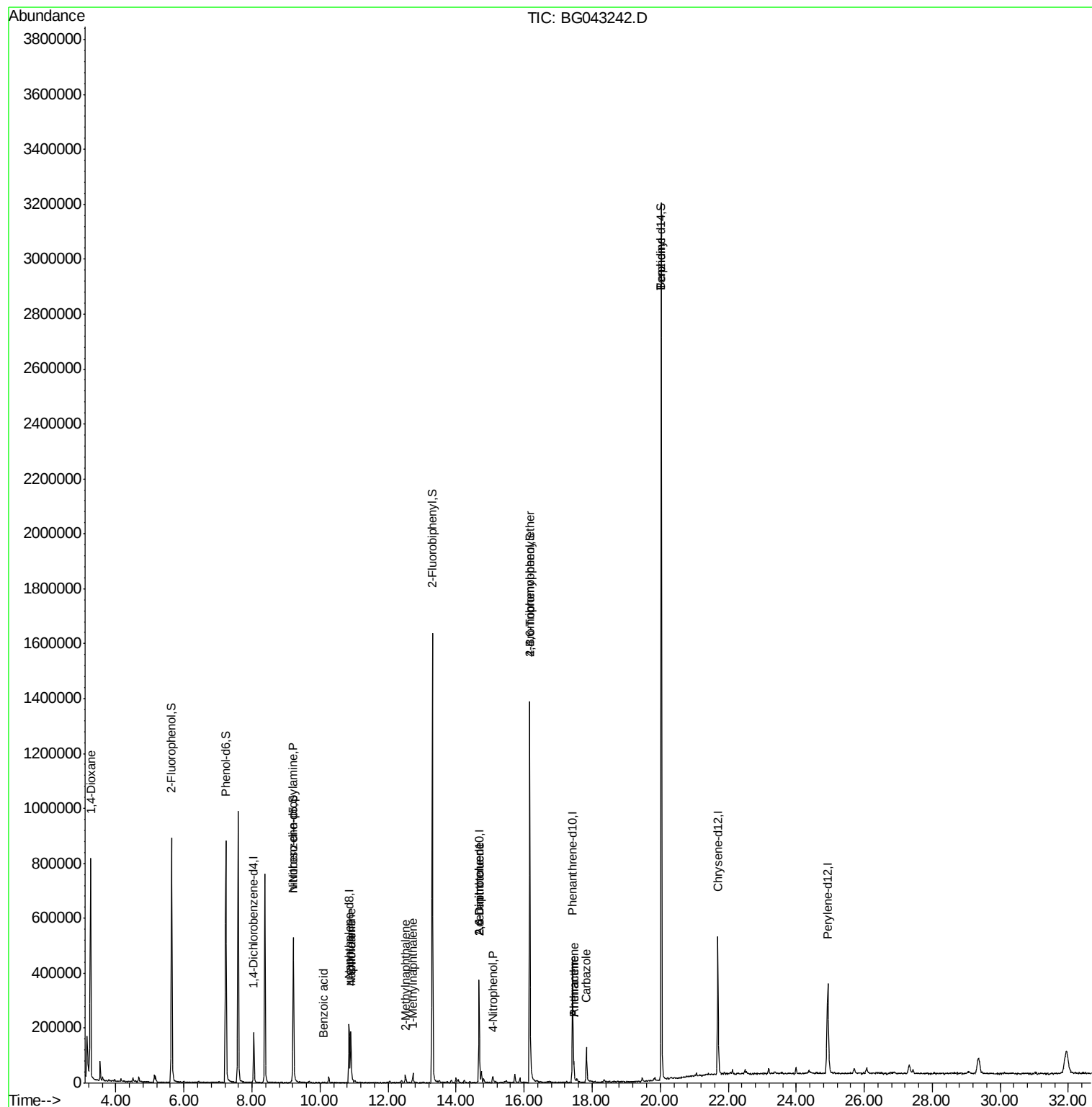
						Qvalue
2) 1,4-Dioxane	3.26	88	8869	6.814	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	51232	17.355	ng	# 68
31) Naphthalene	10.91	128	164256	16.165	ng	97
32) Benzoic acid	10.11	122	54	2.827	ng	# 1
33) 4-Chloroaniline	10.91	127	21510	4.878	ng	# 26
37) 2-Methylnaphthalene	12.51	142	17447	2.251	ng	94
38) 1-Methylnaphthalene	12.73	142	18011	2.456	ng	94
51) 2,6-Dinitrotoluene	14.68	165	19797	8.500	ng	# 22
56) 4-Nitrophenol	15.08	139	7342	4.004	ng	# 1
57) 2,4-Dinitrotoluene	14.68	165	19797	5.805	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	21417	5.330	ng	# 1
71) Phenanthrene	17.46	178	42885	2.744	ng	95
72) Anthracene	17.46	178	42885	2.748	ng	95
73) Carbazole	17.83	167	120577	8.333	ng	95
77) Benzidine	20.03	184	23973	2.799	ng	# 95

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

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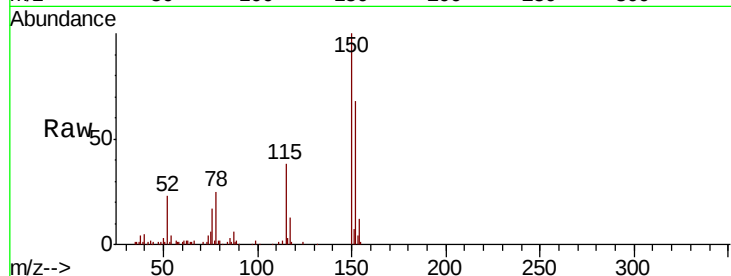


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.3	115.0	172.4
115	56.5	47.0	70.6

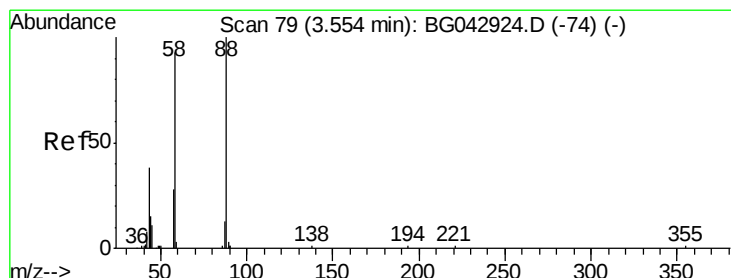
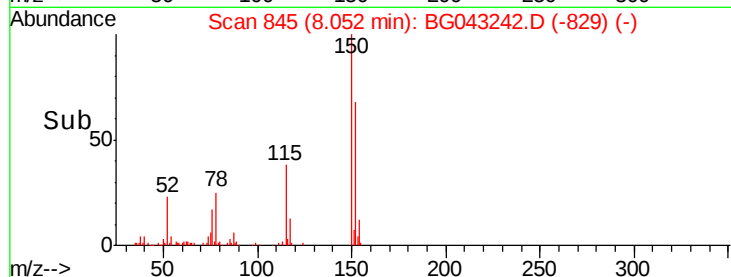
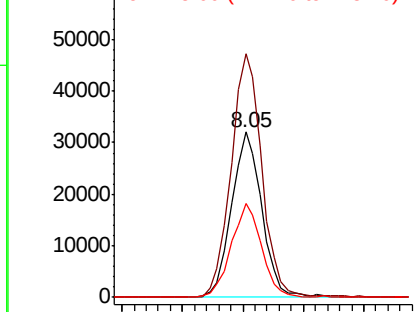


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

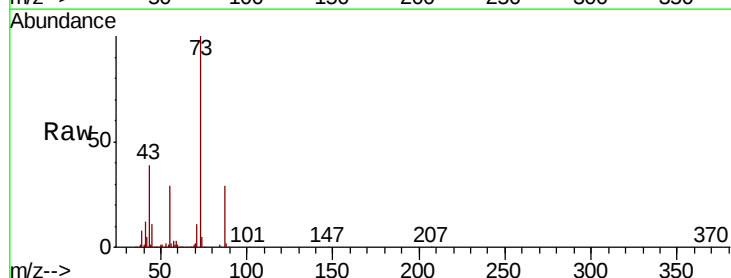
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 6.814 ng
RT: 3.26 min Scan# 29
Delta R.T. -0.28 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	44.1	74.3	111.5#
43	2289.9	29.8	44.8#

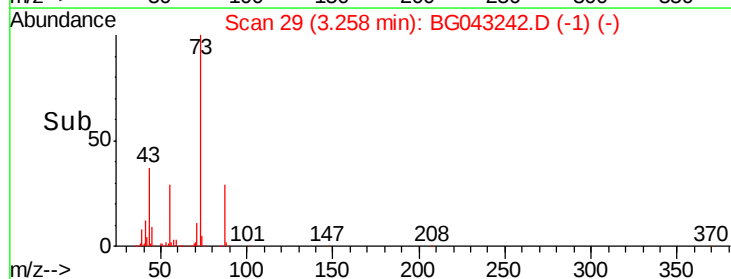
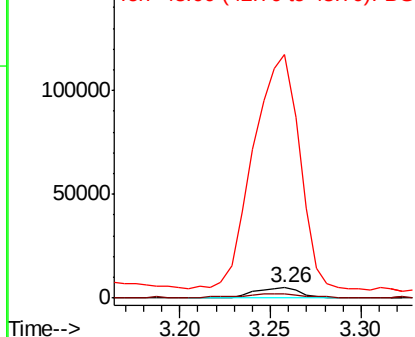


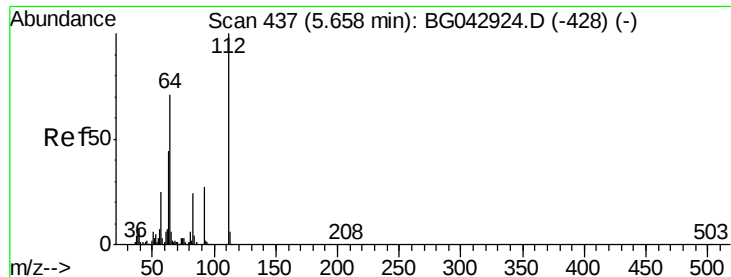
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.882 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampleId :

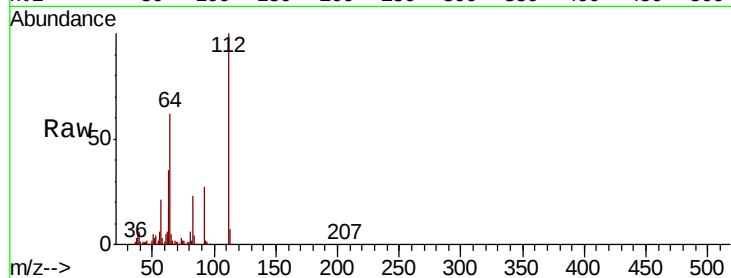
Tot Ion:112 Resp: 411713

Ion Ratio Lower Upper

112 100

64 62.0 56.6 84.8

63 35.2 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

300000

250000

200000

150000

100000

50000

0

5.64

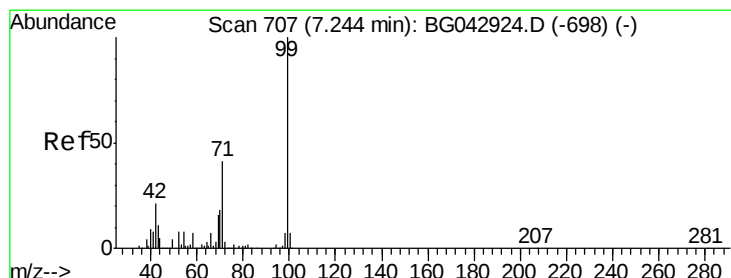
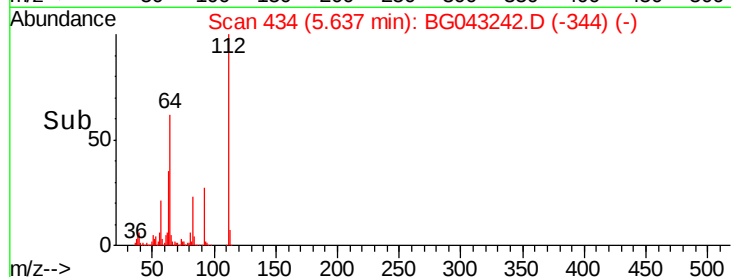
5.50

5.60

5.70

5.80

Time-->



#7

Phenol-d6

Concen: 125.296 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

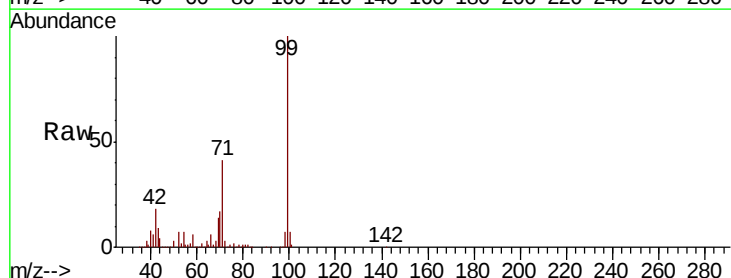
Tgt Ion: 99 Resp: 563286

Ion Ratio Lower Upper

99 100

42 18.2 17.2 25.8

71 41.0 33.1 49.7



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

400000

300000

200000

100000

0

7.23

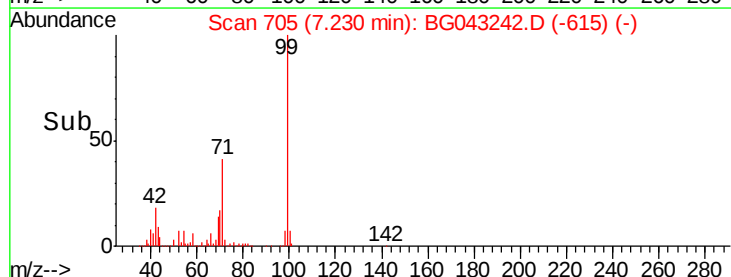
7.10

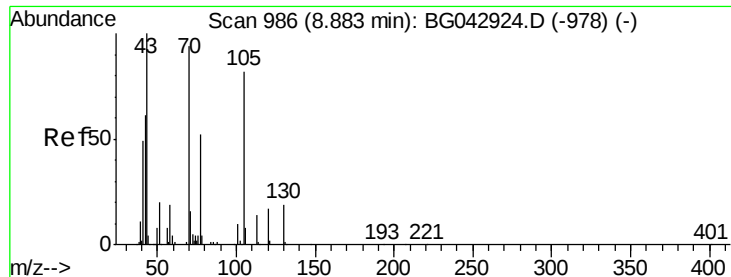
7.20

7.30

7.40

Time-->

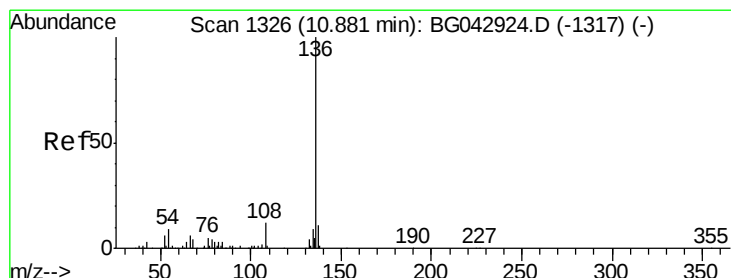
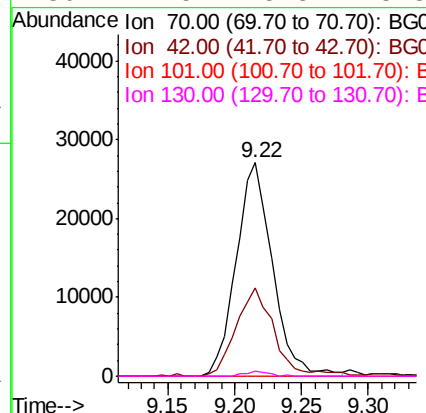
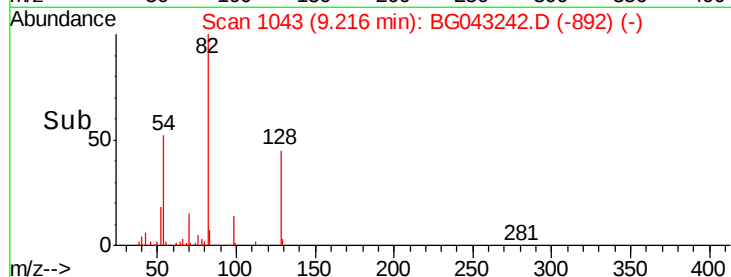
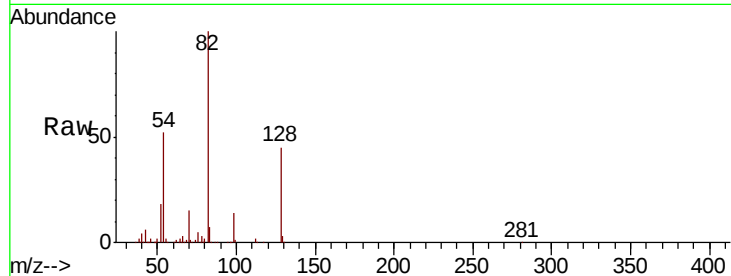




#19
n-Nitroso-di-n-propylamine
Concen: 17.355 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.36 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

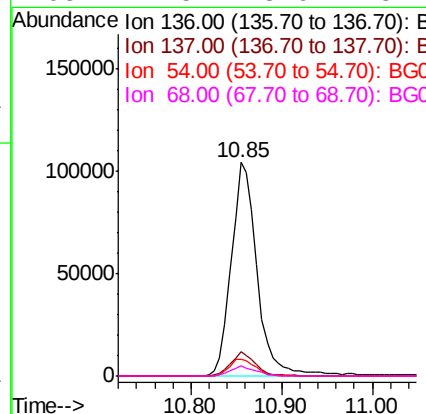
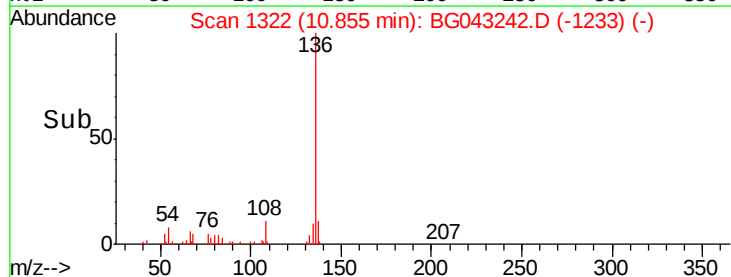
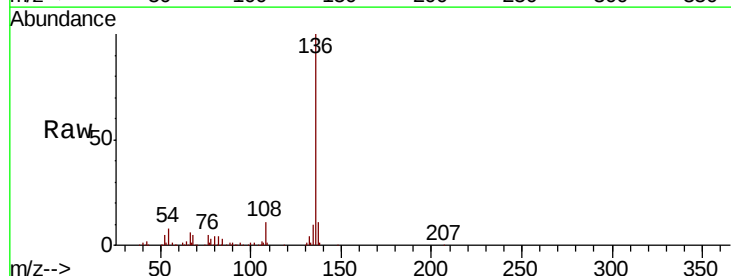
Instrument :
BNA_G
ClientSampleId :

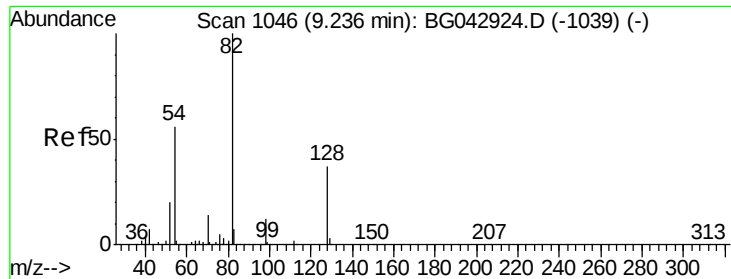
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.4	52.6	79.0#
101	0.0	8.7	13.1#
130	2.5	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	7.7	7.4	11.2
68	4.5	3.6	5.4

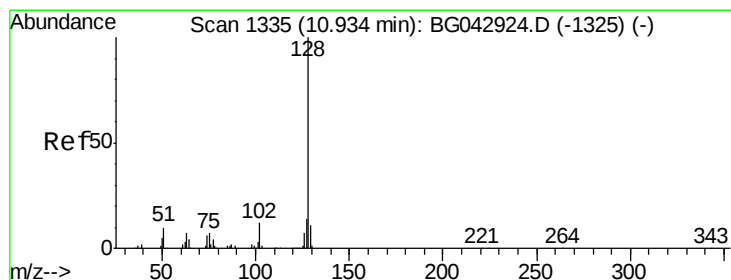
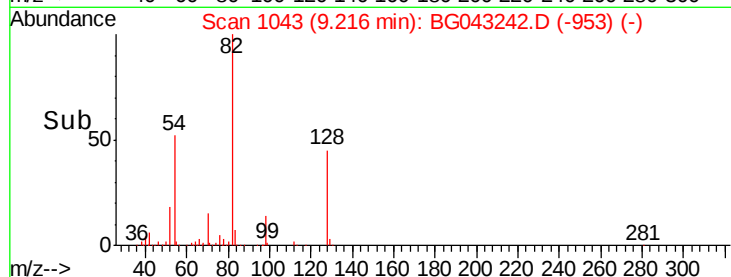
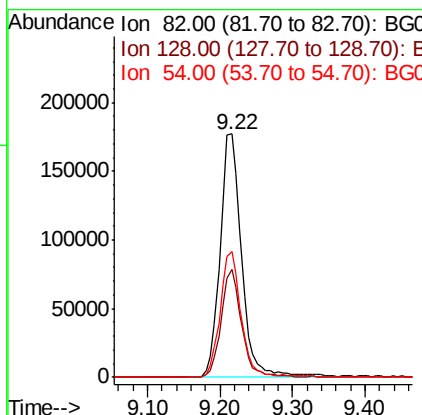
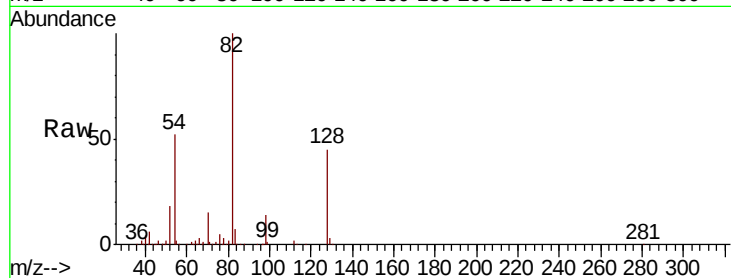




#23
 Nitrobenzene-d5
 Concen: 86.242 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

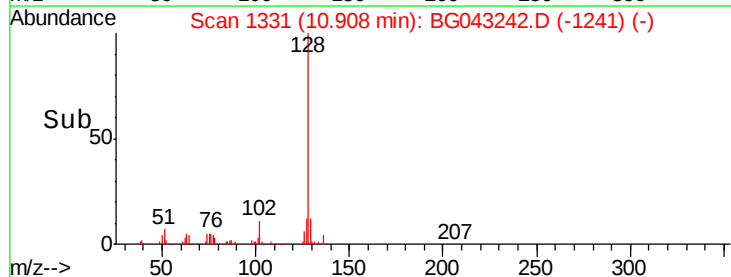
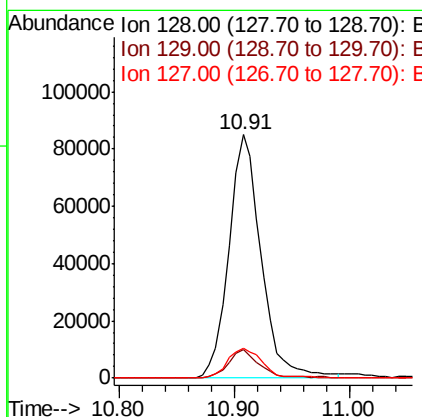
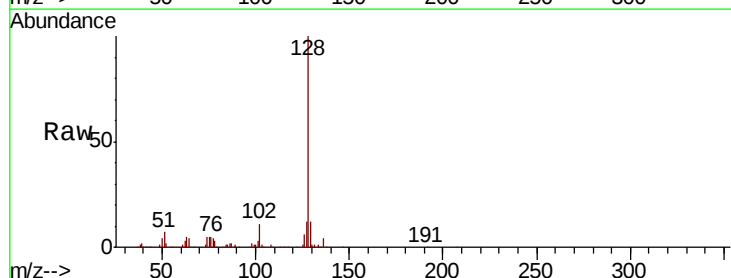
Instrument :
 BNA_G
 ClientSampleId :

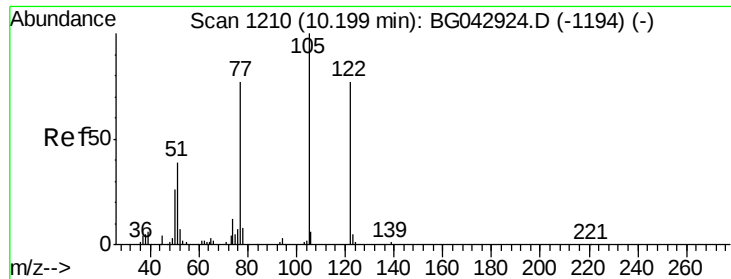
Tot Ion	82	Resp	366252
Ion Ratio	Lower	Upper	
82	100		
128	44.5	29.5	44.3#
54	51.7	44.6	67.0



#31
 Naphthalene
 Concen: 16.165 ng
 RT: 10.91 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

Tgt Ion	128	Resp	164256
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.8	13.2
127	12.3	11.3	16.9





#32

Benzoic acid

Concen: 2.827 ng

RT: 10.11 min Scan# 1196

Delta R.T. -0.06 min

Lab File: BG043242.D

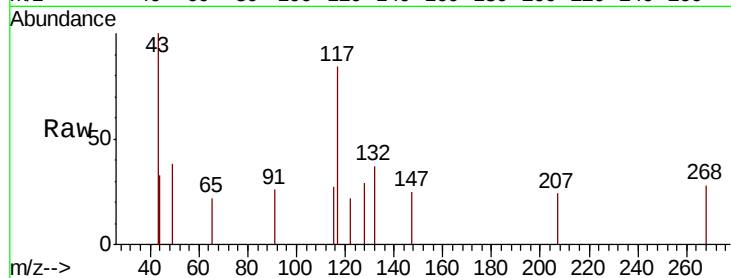
Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	54
Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

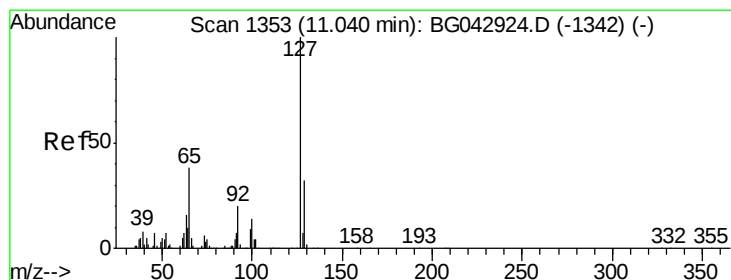
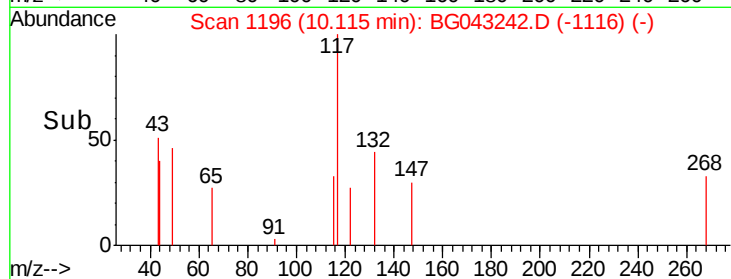
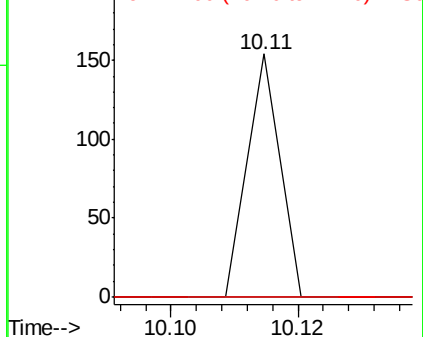


Abundance

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



#33

4-Chloroaniline

Concen: 4.878 ng

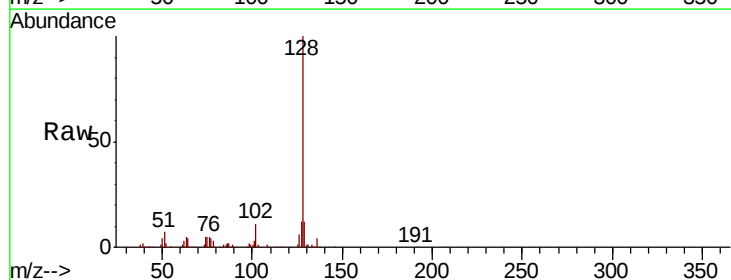
RT: 10.91 min Scan# 1331

Delta R.T. -0.11 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Tgt Ion:	127	Resp:	21510
Ion	Ratio	Lower	Upper
127	100		
129	96.4	26.2	39.2#
65	3.9	30.6	45.8#
92	0.0	16.2	24.4#



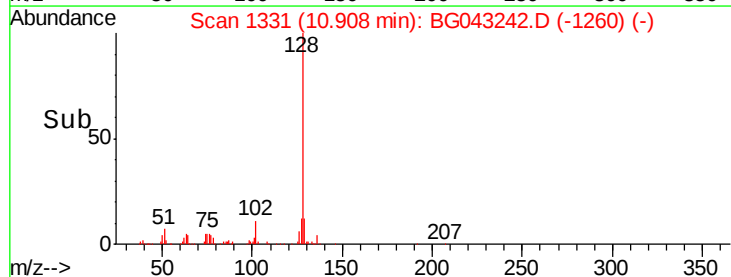
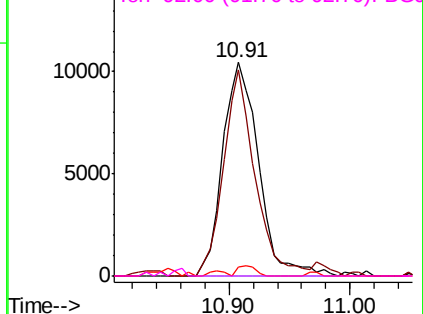
Abundance

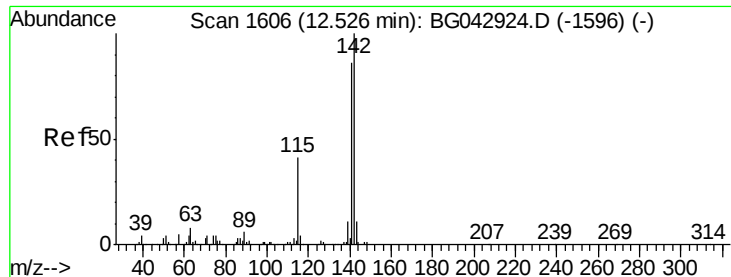
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

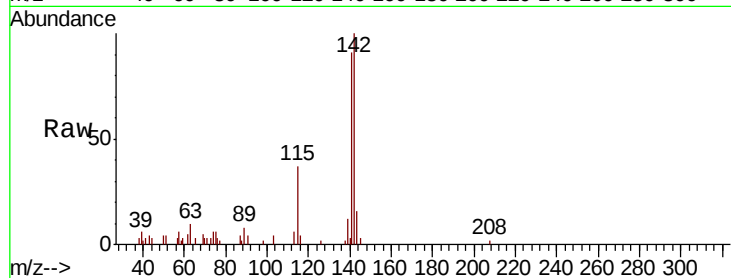




#37
2-Methylnaphthalene
Concen: 2.251 ng
RT: 12.51 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	69.0	103.4
115	37.3	32.8	49.2

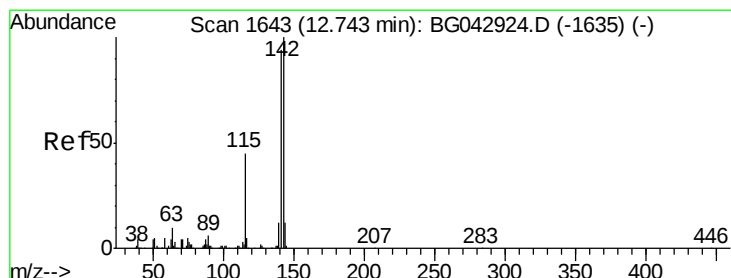
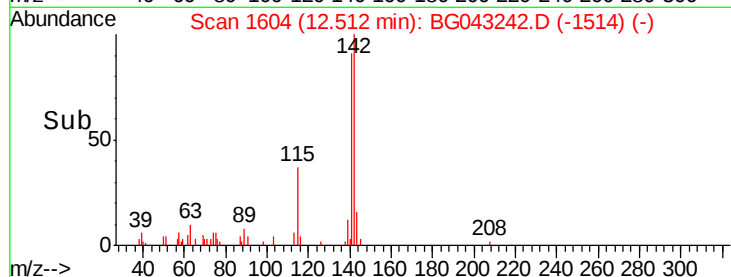
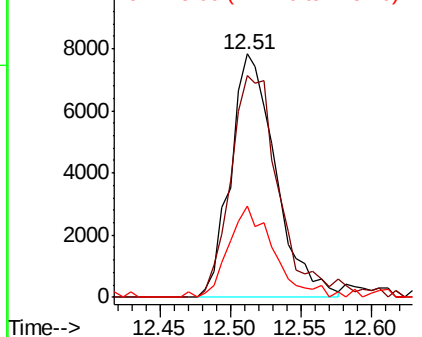


Abundance

Ion 142.00 (141.70 to 142.70): E

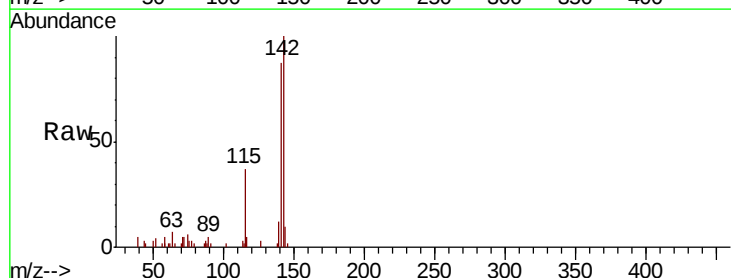
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 2.456 ng
RT: 12.73 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	74.9	112.3
116	5.1	3.7	5.5

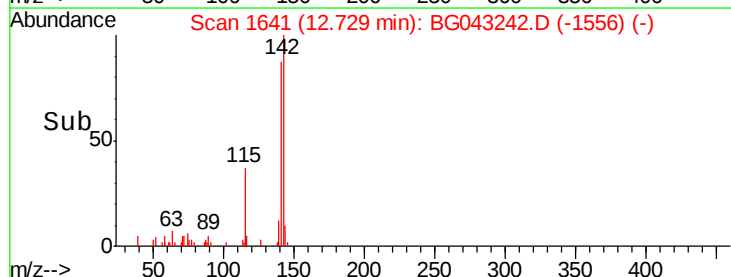
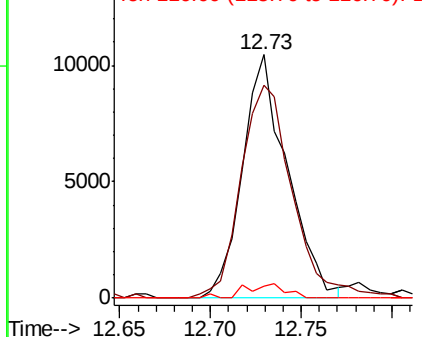


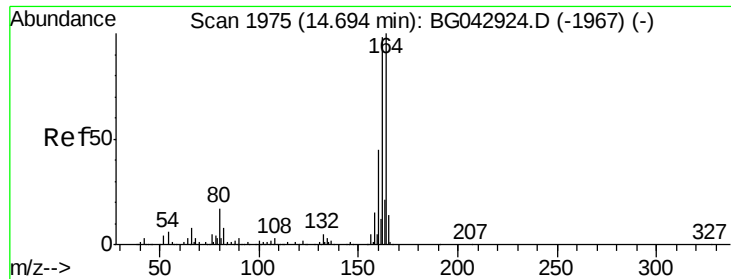
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampled :

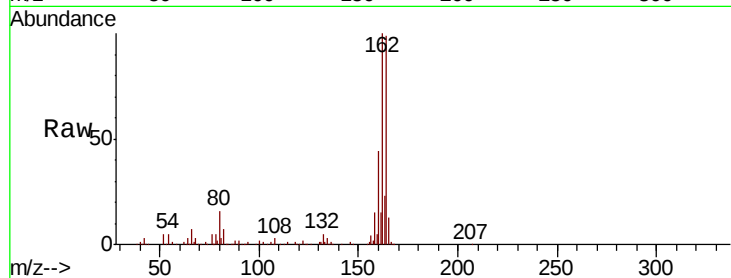
Tot Ion:164 Resp: 145959

Ion Ratio Lower Upper

164 100

162 101.1 78.5 117.7

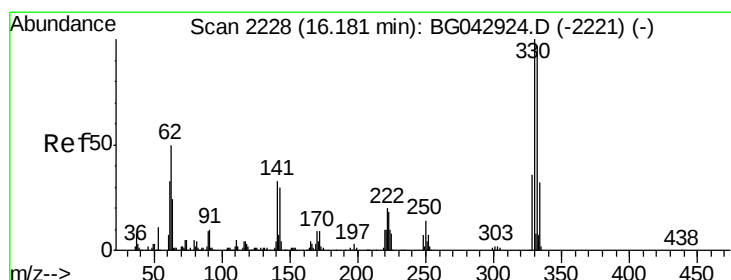
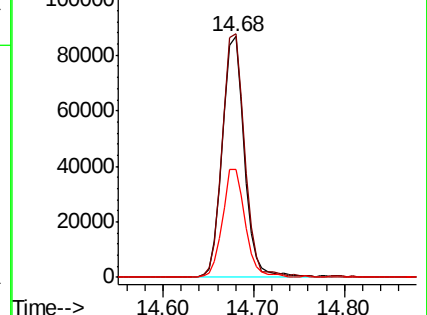
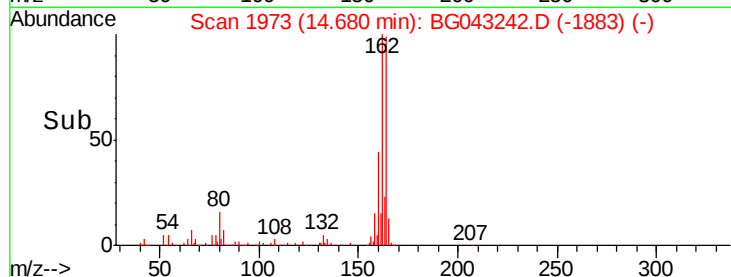
160 44.7 35.9 53.9



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: 137.835 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

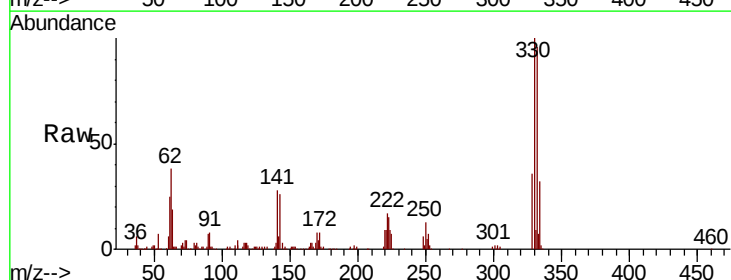
Tgt Ion:330 Resp: 345947

Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

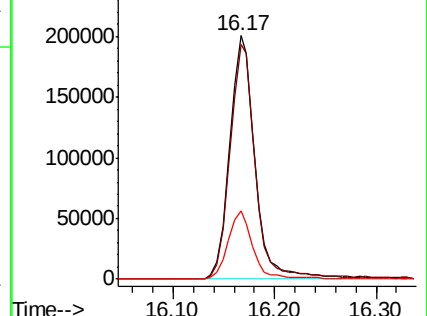
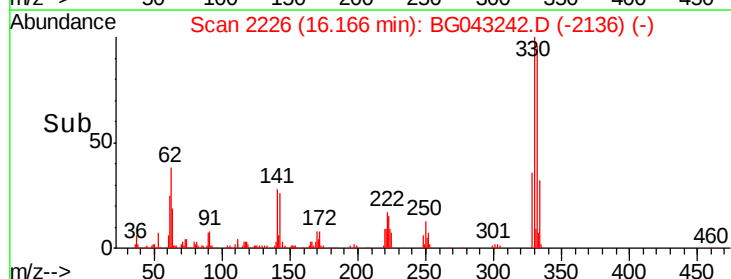
141 27.5 26.0 39.0

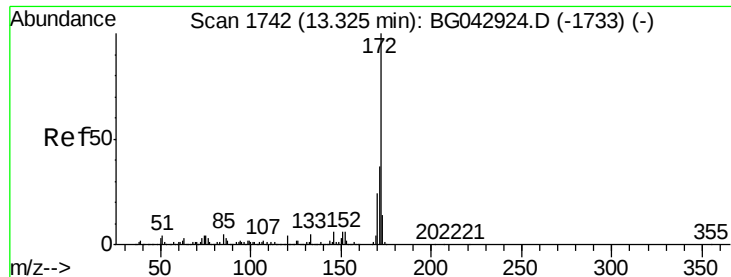


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

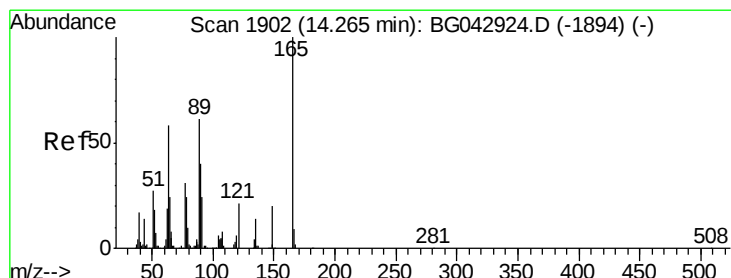
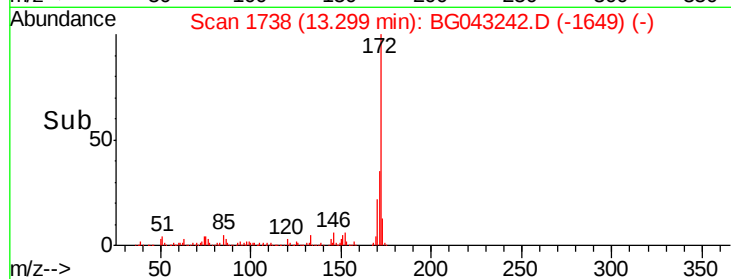
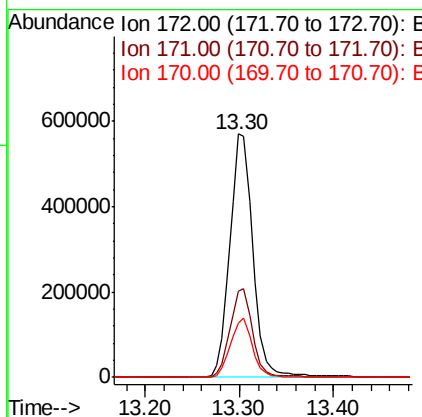
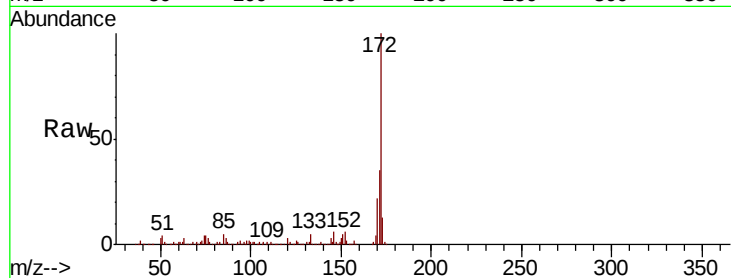




#45
 2-Fluorobiphenyl
 Concen: 96.608 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

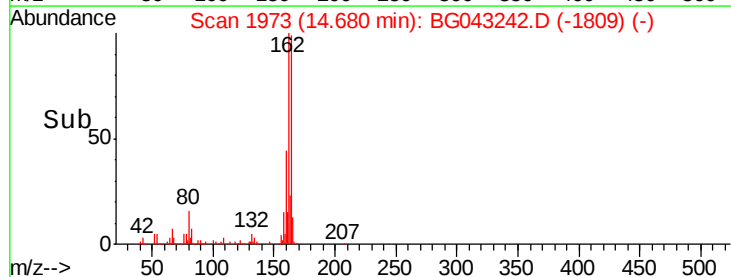
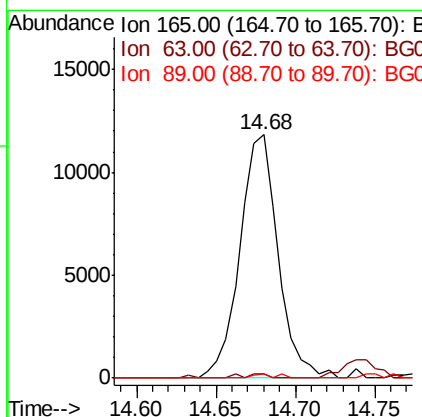
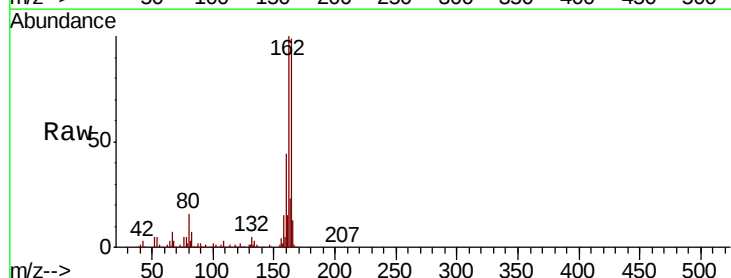
Instrument :
 BNA_G
 ClientSampleId :

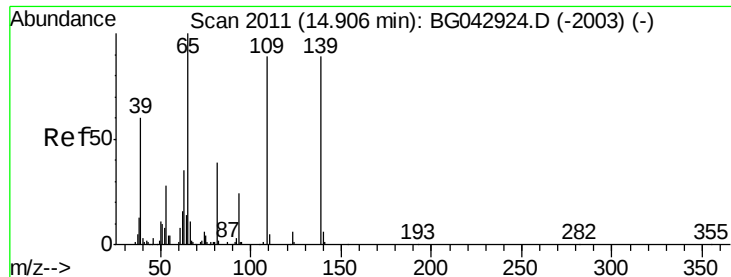
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.5	19.6	29.4



#51
 2,6-Dinitrotoluene
 Concen: 8.500 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.43 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.3	75.5#
89	2.0	48.9	73.3#

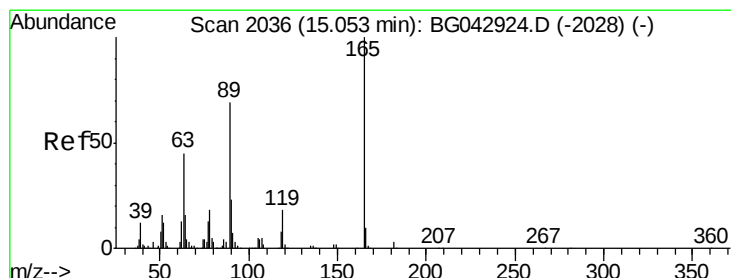
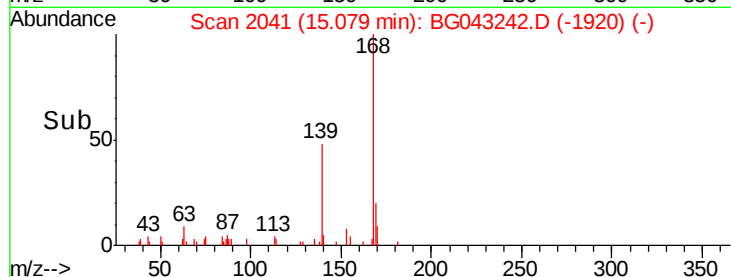
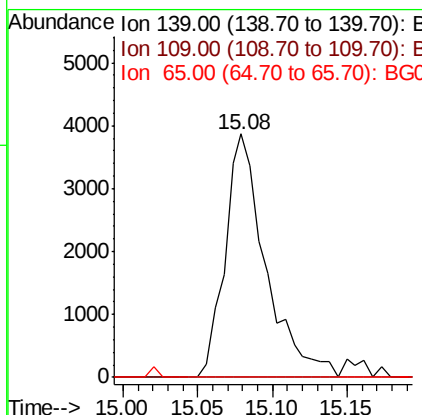
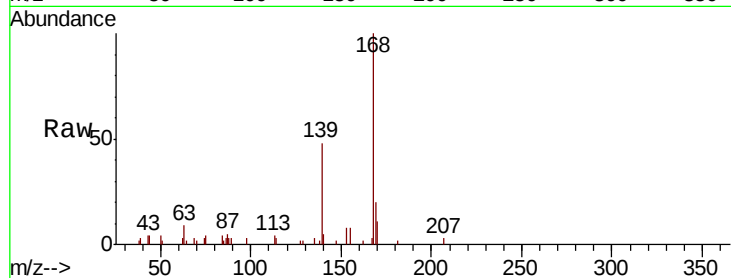




#56
4-Nitrophenol
Concen: 4.004 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.18 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

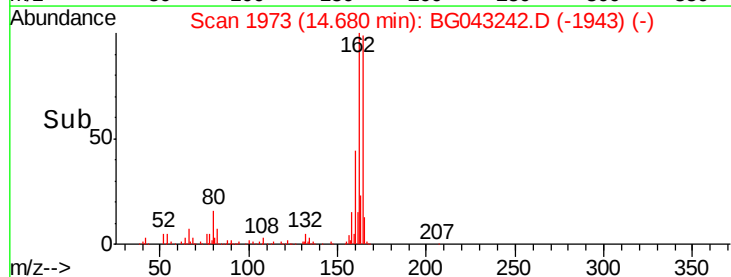
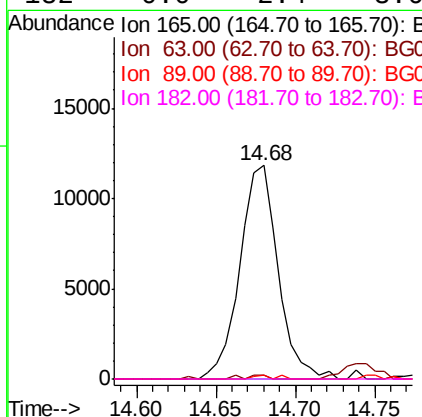
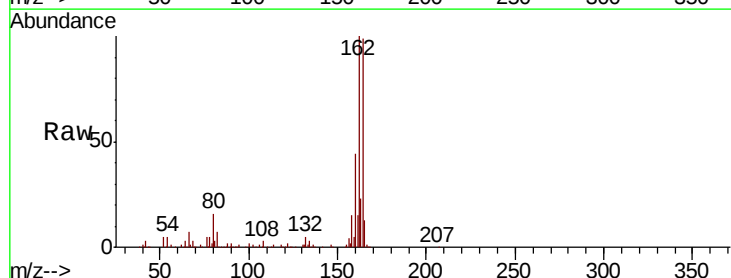
Instrument :
BNA_G
ClientSampleId :

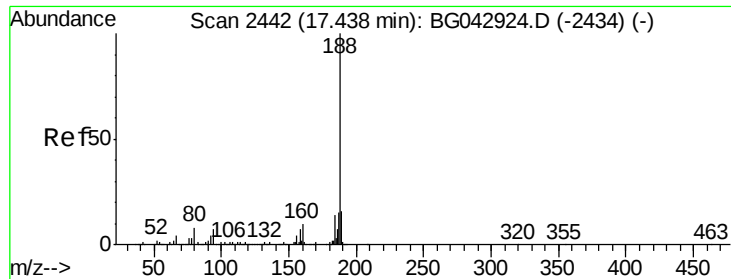
Tot Ion:139 Resp: 7342
Ion Ratio Lower Upper
139 100
109 0.0 79.4 119.4#
65 0.0 92.5 132.5#



#57
2,4-Dinitrotoluene
Concen: 5.805 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:165 Resp: 19797
Ion Ratio Lower Upper
165 100
63 2.0 36.5 54.7#
89 2.0 55.5 83.3#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampleId :

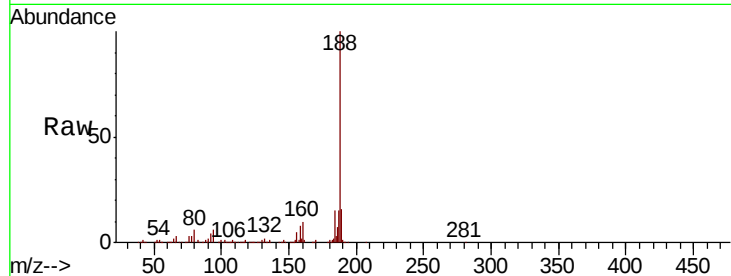
Tot Ion:188 Resp: 320157

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

80 6.4 6.5 9.7#



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

250000

200000

150000

100000

50000

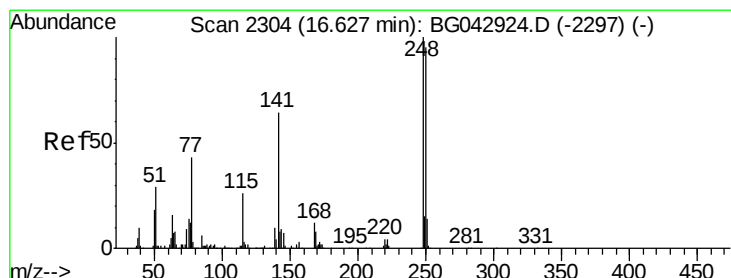
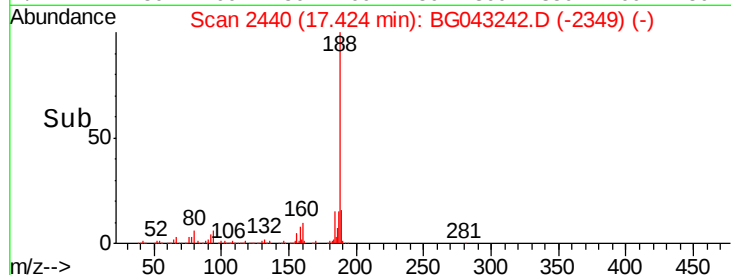
0

17.42

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 5.330 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.44 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

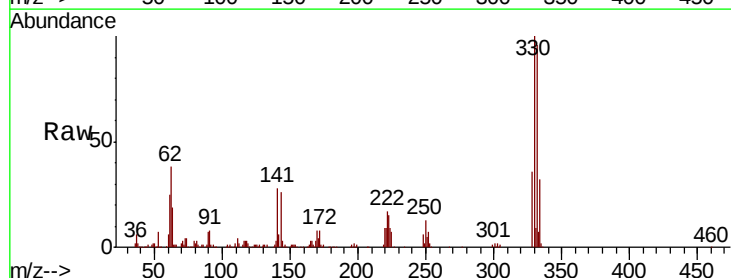
Tgt Ion:248 Resp: 21417

Ion Ratio Lower Upper

248 100

250 197.2 75.8 113.8#

141 436.8 51.1 76.7#



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

60000

40000

20000

0

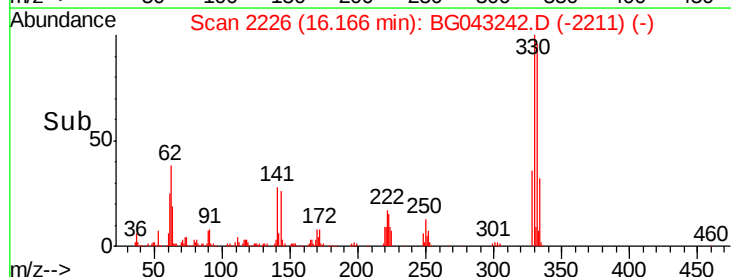
16.17

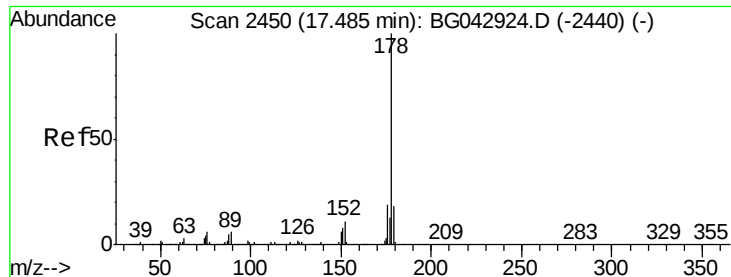
16.10

16.20

16.25

Time-->





#71

Phenanthrene

Concen: 2.744 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampleId :

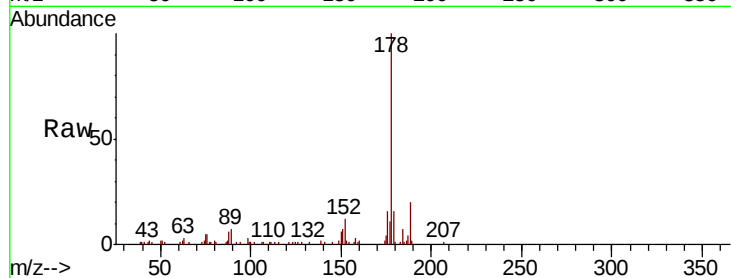
Tot Ion:178 Resp: 42885

Ion Ratio Lower Upper

178 100

176 16.1 15.1 22.7

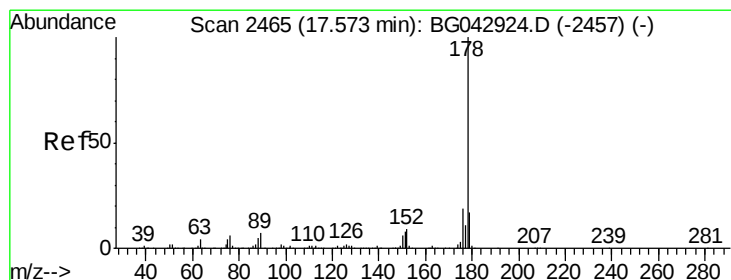
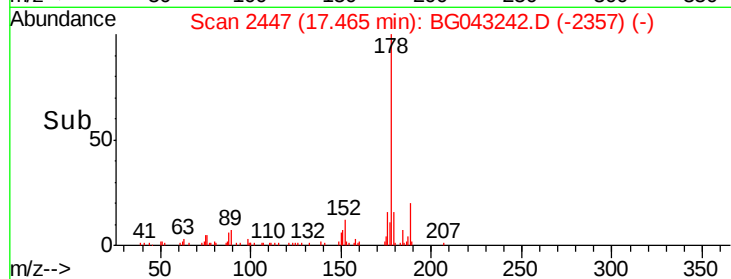
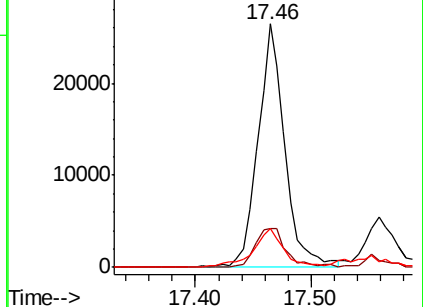
179 16.2 14.1 21.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.748 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.09 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

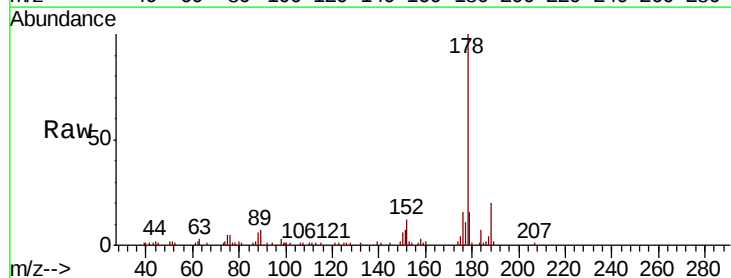
Tgt Ion:178 Resp: 42885

Ion Ratio Lower Upper

178 100

176 16.1 15.5 23.3

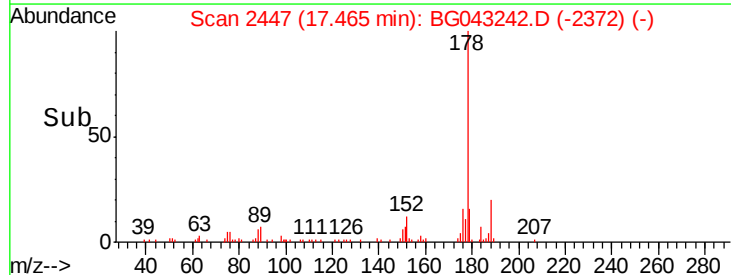
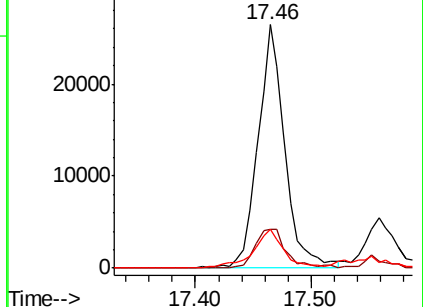
179 16.2 13.5 20.3

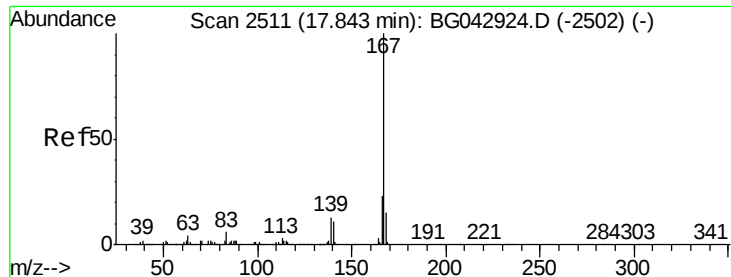


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

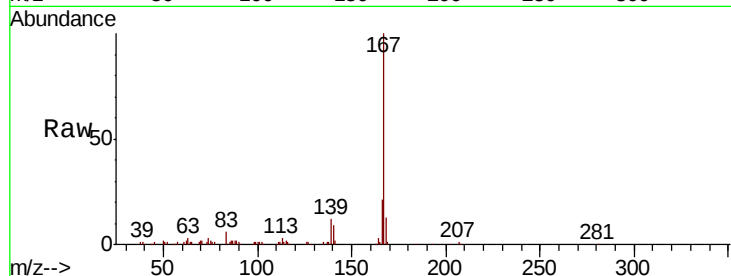




#73
 Carbazole
 Concen: 8.333 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.6	28.0
139	12.1	10.8	16.2

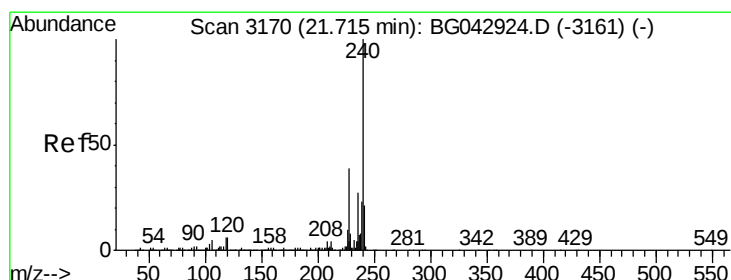
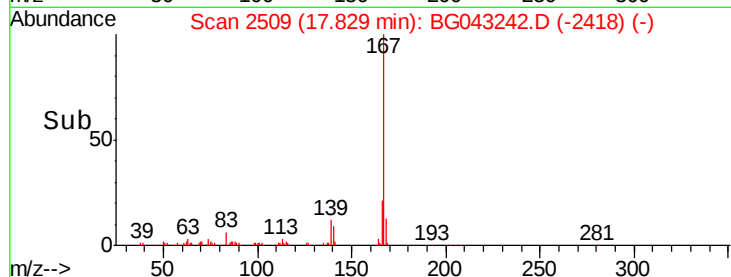
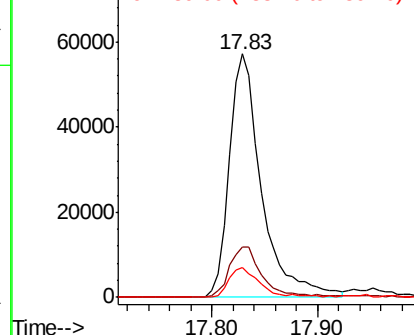


Abundance

Ion 167.00 (166.70 to 167.70): E

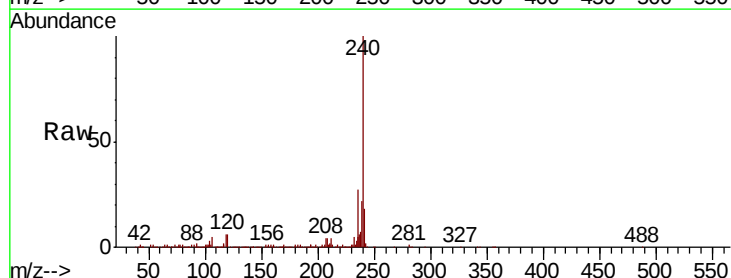
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: BG043242.D
 Acq: 16 Oct 2019 8:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.8	7.2
236	26.8	21.4	32.0

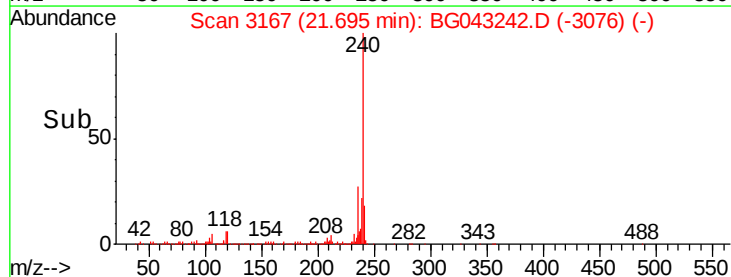
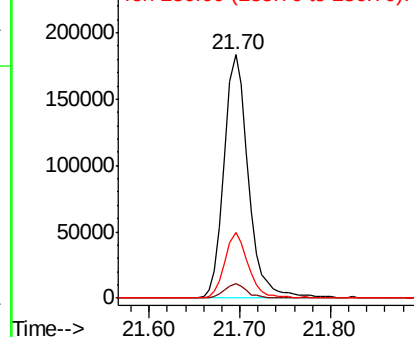


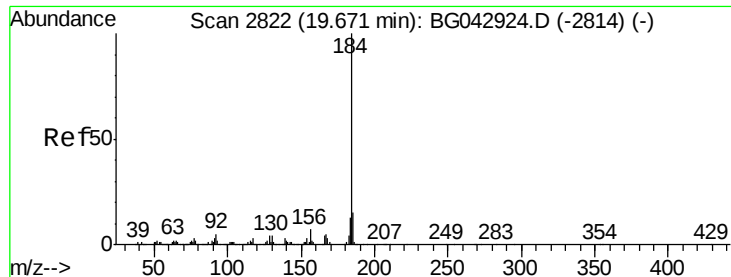
Abundance

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: 2.799 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

Instrument :

BNA_G

ClientSampleId :

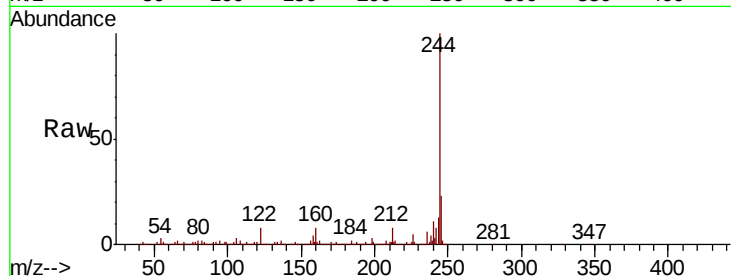
Tot Ion:184 Resp: 23973

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

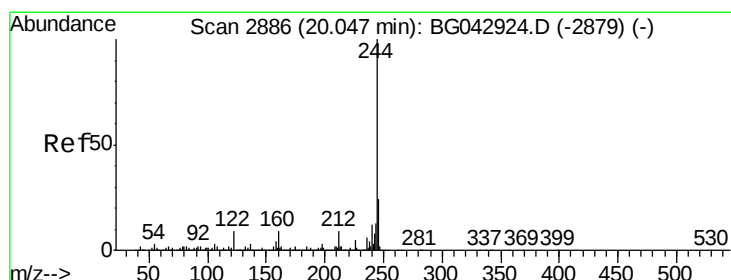
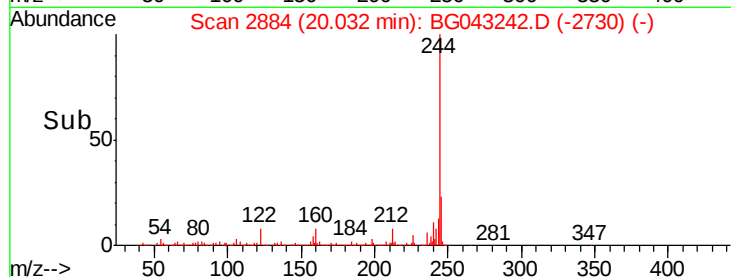
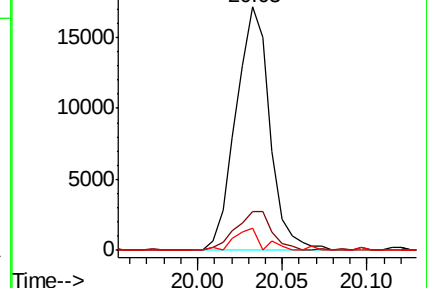
183 9.2 10.1 15.1#



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: 104.963 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG043242.D

Acq: 16 Oct 2019 8:08

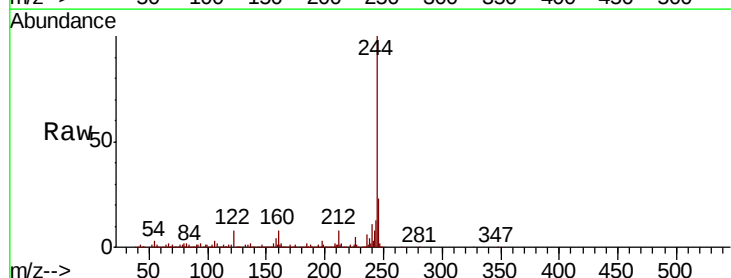
Tgt Ion:244 Resp: 1685094

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.0

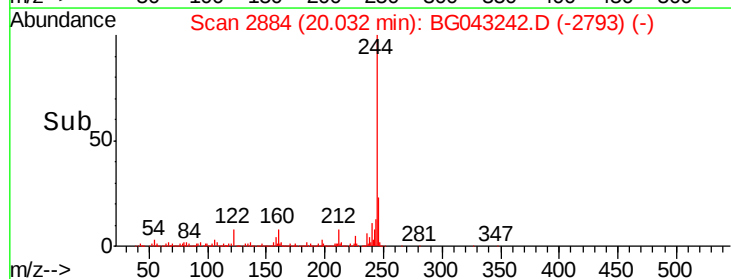
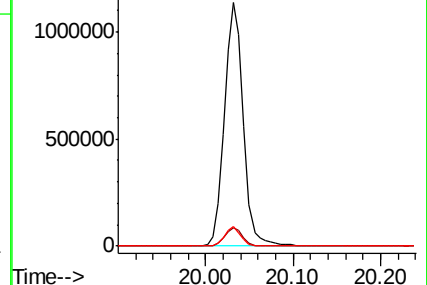
122 7.9 7.0 10.4

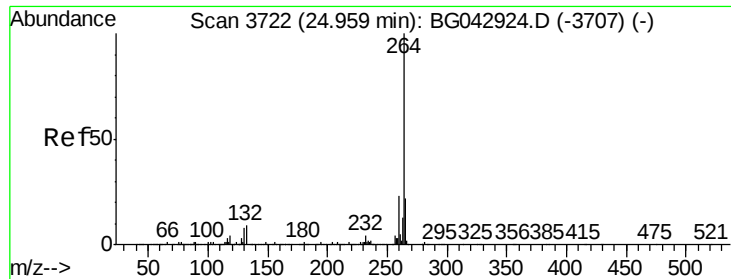


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

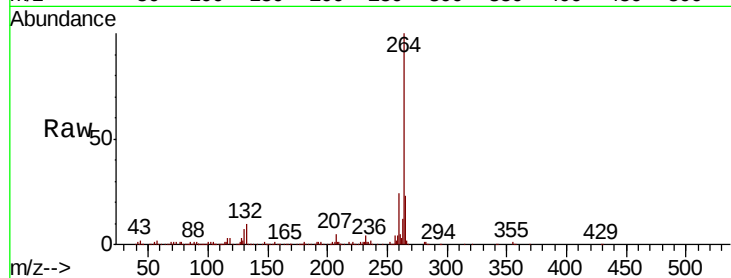




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. 0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	23.0	17.7	26.5



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

