

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092519\
 Data File : BG042931.D
 Acq On : 25 Sep 2019 17:33
 Operator : JU
 Sample : K4839-03DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 25 18:10:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	54871	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	205671	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	147088	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	364332	20.00	ng	0.00
76) Chrysene-d12	21.71	240	415434	20.00	ng	0.00
87) Perylene-d12	24.94	264	460940	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	86149	28.02	ng	0.00
7) Phenol-d6	7.24	99	121690	27.48	ng	0.00
23) Nitrobenzene-d5	9.23	82	78740	18.61	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	61106	24.16	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	218317	21.52	ng	0.00
79) Terphenyl-d14	20.05	244	492102	25.24	ng	0.00

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.87	42	36689	21.160	ng	97
12) 1,3-Dichlorobenzene	7.96	146	76544	18.713	ng	99
13) 1,4-Dichlorobenzene	8.11	146	91742	22.499	ng	98
14) 1,2-Dichlorobenzene	8.43	146	48633	12.527	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.61	45	59018	9.777	ng	98
18) Hexachloroethane	9.16	117	44245	28.811	ng	97
19) n-Nitroso-di-n-propylamine	8.88	70	48449	16.664	ng	# 94
24) Nitrobenzene	9.27	77	85723	21.239	ng	97
25) Isophorone	9.80	82	26542	3.571	ng	# 95
28) bis(2-Chloroethoxy)methane	10.28	93	27833	6.600	ng	95
30) 1,2,4-Trichlorobenzene	10.74	180	55250	13.037	ng	98
32) Benzoic acid	10.36	122	55	2.828	ng	# 37
34) Hexachlorobutadiene	11.22	225	87754	27.655	ng	94
37) 2-Methylnaphthalene	12.53	142	137719	17.831	ng	97
38) 1-Methylnaphthalene	12.53	142	137719	18.844	ng	97
41) Hexachlorocyclopentadiene	12.88	237	73208	20.776	ng	95
47) 2-Chloronaphthalene	13.57	162	74951	8.962	ng	97
49) Acenaphthylene	14.42	152	375806	29.368	ng	98
50) Dimethylphthalate	14.14	163	304316	27.613	ng	98
51) 2,6-Dinitrotoluene	14.26	165	19215	8.187	ng	96
52) Acenaphthene	14.76	154	274606	32.060	ng	99
55) Dibenzofuran	15.09	168	264525	20.877	ng	99
56) 4-Nitrophenol	15.09	139	106846	57.816	ng	# 1
57) 2,4-Dinitrotoluene	15.05	165	53130	15.459	ng	94
60) Diethylphthalate	15.51	149	321211	28.639	ng	100
61) 4-Chlorophenyl-phenylether	15.73	204	119751	18.458	ng	95
66) n-Nitrosodiphenylamine	15.95	169	77990	8.109	ng	98
68) Hexachlorobenzene	16.75	284	84639	16.624	ng	98
75) Fluoranthene	19.48	202	374055	15.899	ng	98
78) Pyrene	19.85	202	413369	16.671	ng	98
80) Butylbenzylphthalate	20.73	149	237428	25.227	ng	99
81) Benzo(a)anthracene	21.76	228	171251	6.616	ng	97
83) Chrysene	21.76	228	171251	6.817	ng	97
84) Bis(2-ethylhexyl)phthalate	21.60	149	137896	10.297	ng	94

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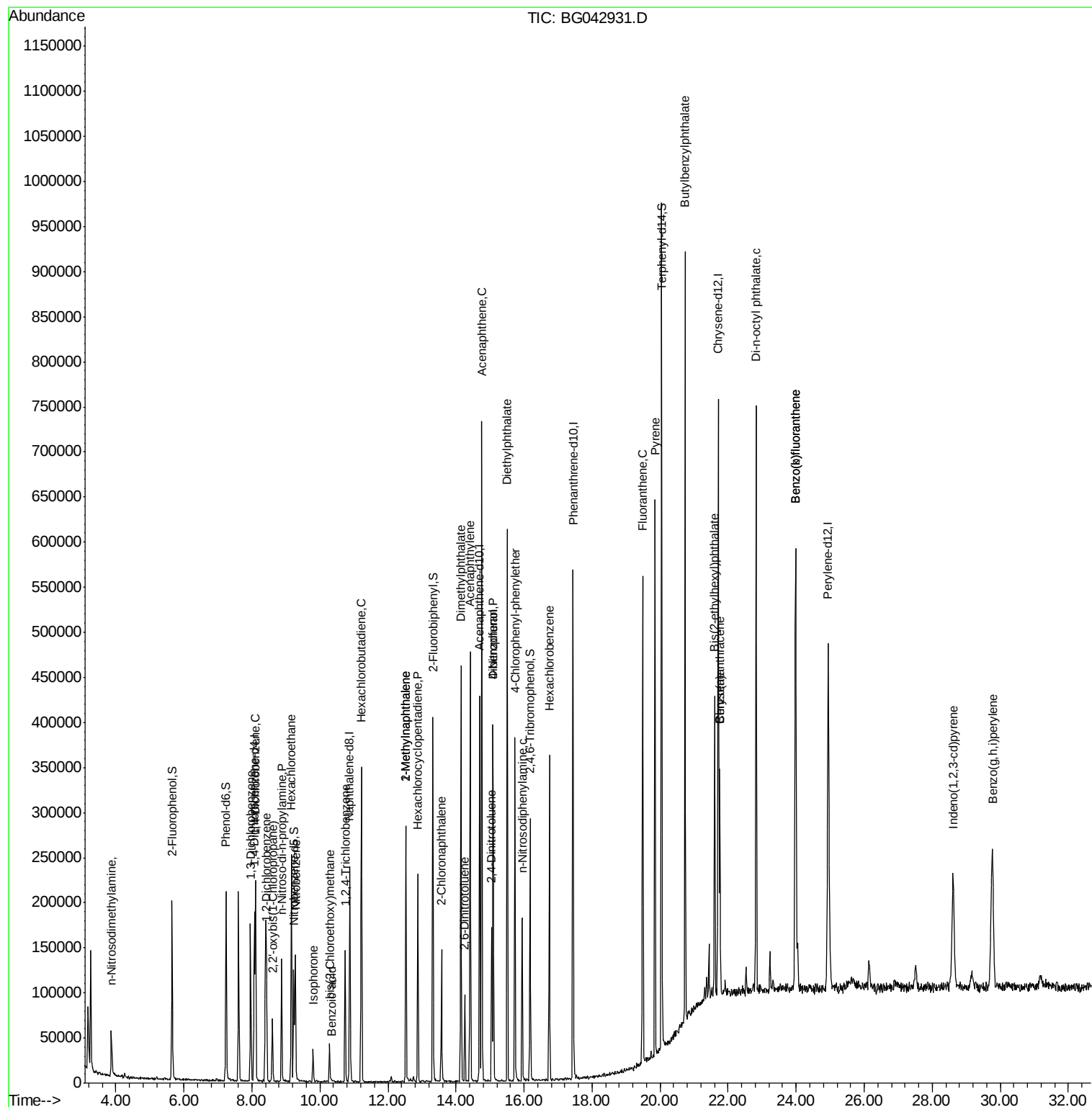
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.82	149	524661	23.958	nq	100
86) Indeno(1,2,3-cd)pyrene	28.61	276	246682	7.888	nq #	95
88) Benzo(b)fluoranthene	23.98	252	534794	20.505	nq	100
89) Benzo(k)fluoranthene	23.98	252	534794	20.727	nq	99
92) Benzo(g,h,i)perylene	29.77	276	337494	13.805	nq	97

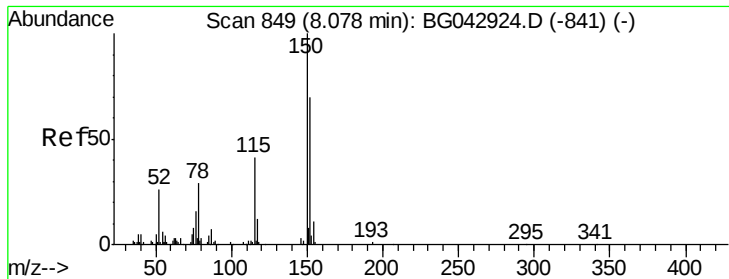
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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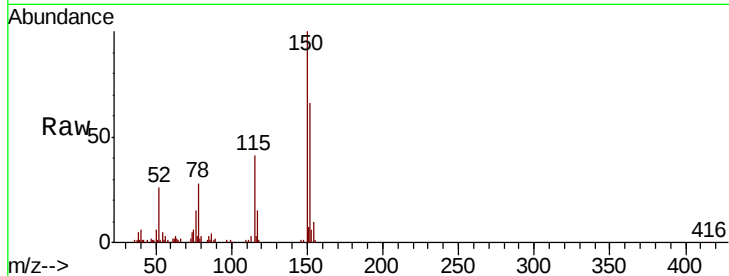


#1

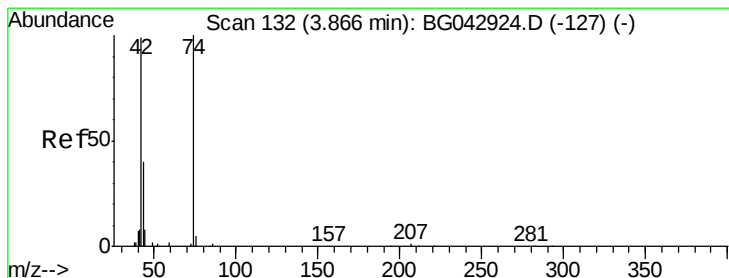
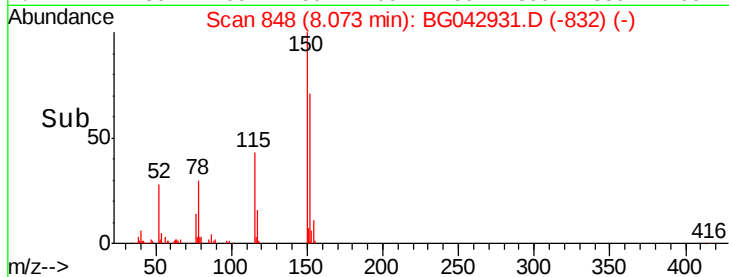
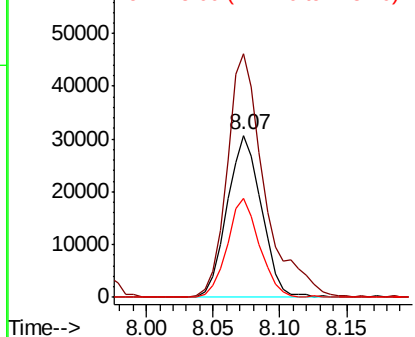
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54871
Ion Ratio Lower Upper
152 100
150 150.6 115.0 172.4
115 61.1 47.0 70.6



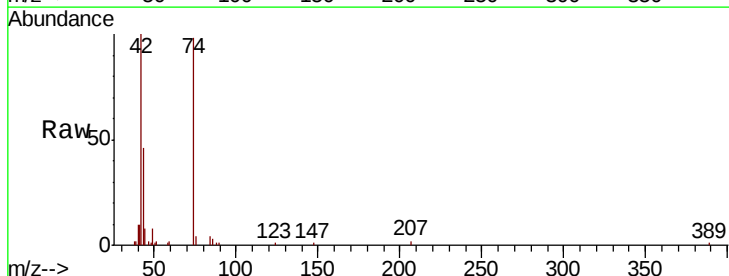
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



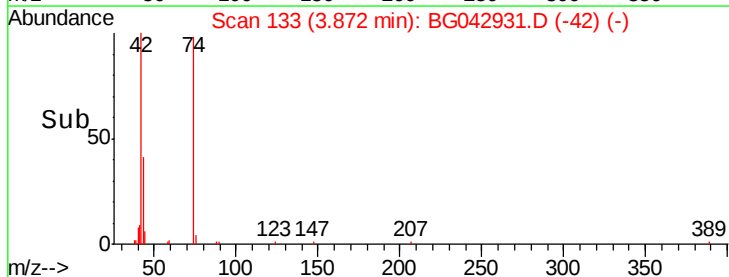
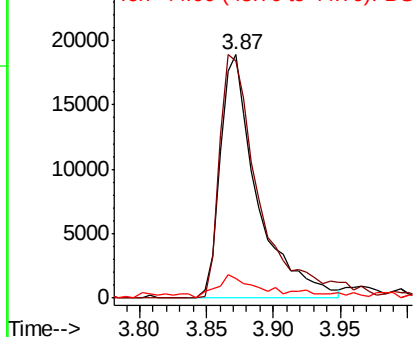
#4

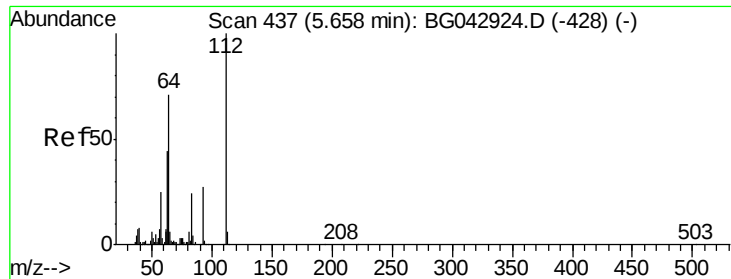
n-Nitrosodimethylamine
Concen: 21.160 ng
RT: 3.87 min Scan# 133
Delta R.T. 0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion: 42 Resp: 36689
Ion Ratio Lower Upper
42 100
74 97.5 80.5 120.7
44 8.0 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 28.019 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

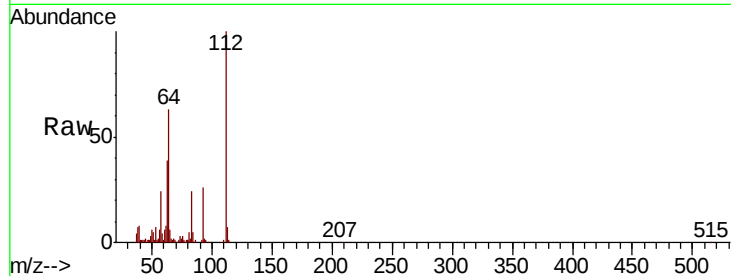
Tot Ion:112 Resp: 86149

Ion Ratio Lower Upper

112 100

64 63.3 56.6 84.8

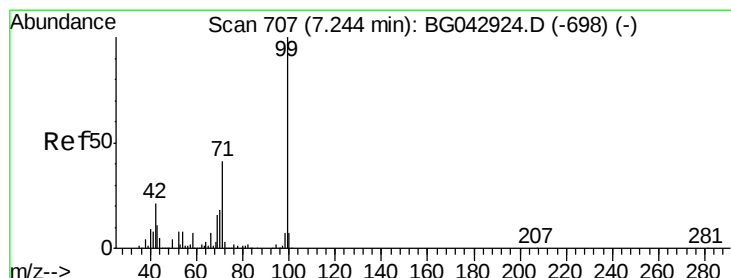
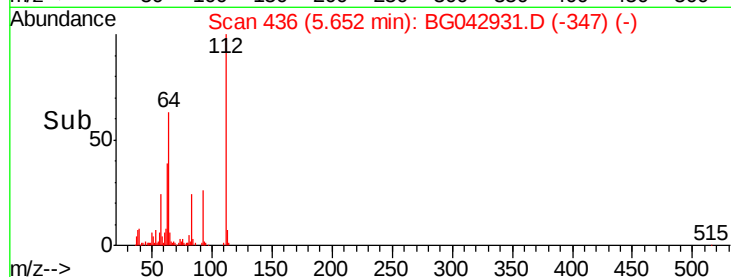
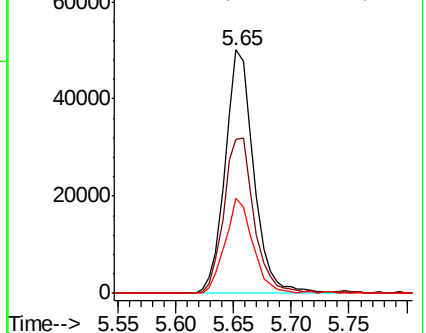
63 39.1 35.1 52.7



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



#7

Phenol-d6

Concen: 27.484 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

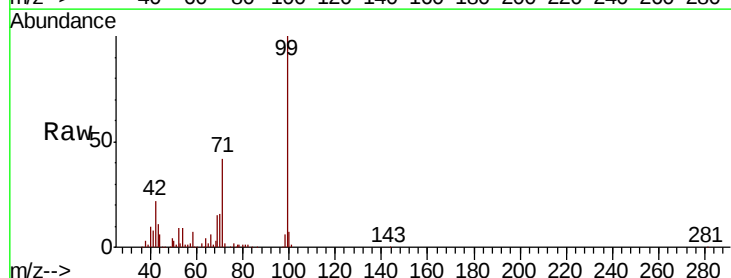
Tgt Ion: 99 Resp: 121690

Ion Ratio Lower Upper

99 100

42 21.6 17.2 25.8

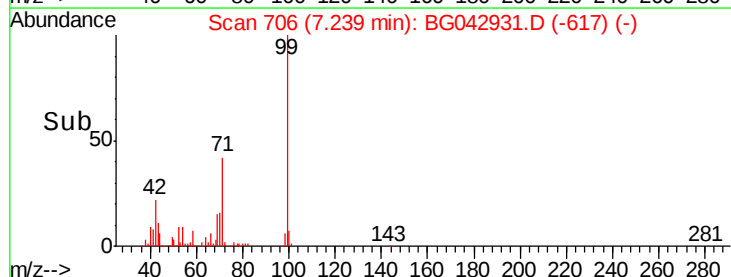
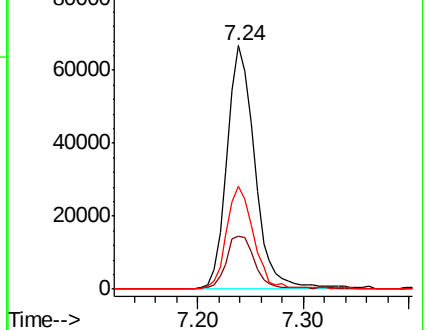
71 42.4 33.1 49.7

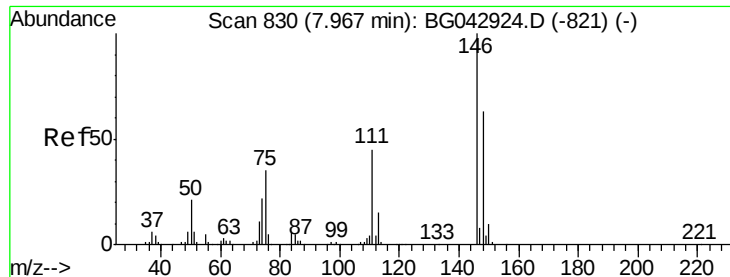


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#12

1,3-Dichlorobenzene

Concen: 18.713 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BG042931.D

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Instrument :

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ClientSampleId :

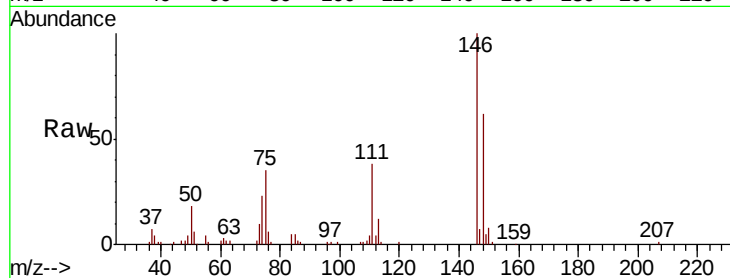
Tot Ion:146 Resp: 76544

Ion Ratio Lower Upper

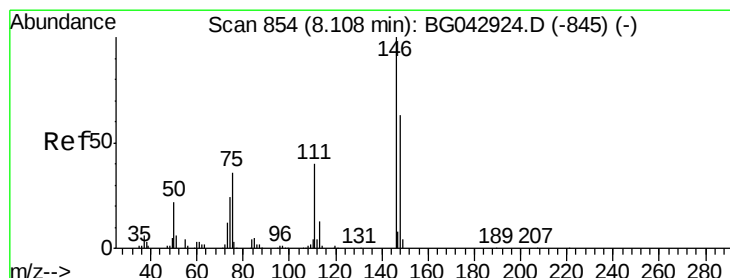
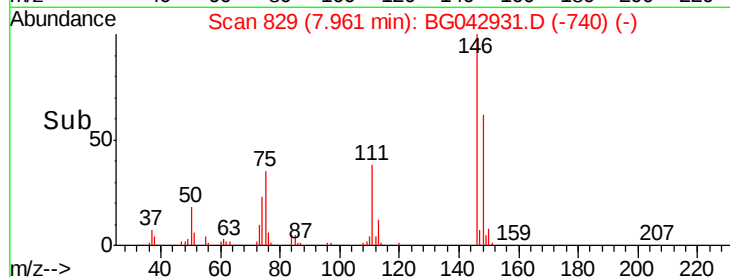
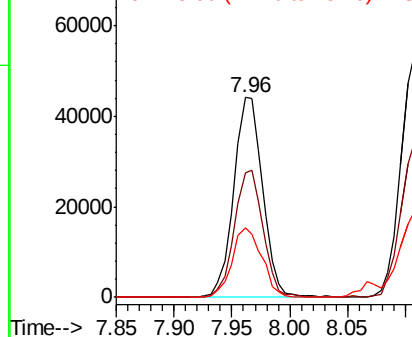
146 100

148 62.1 50.7 76.1

75 35.1 27.7 41.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 22.499 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

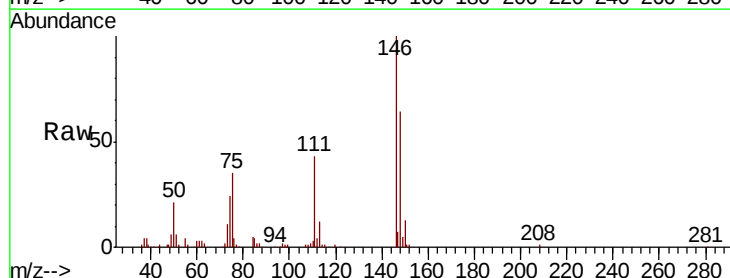
Tgt Ion:146 Resp: 91742

Ion Ratio Lower Upper

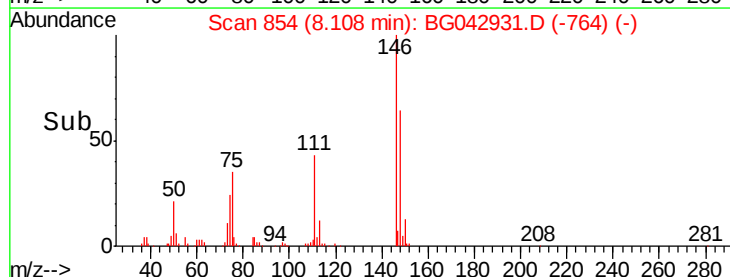
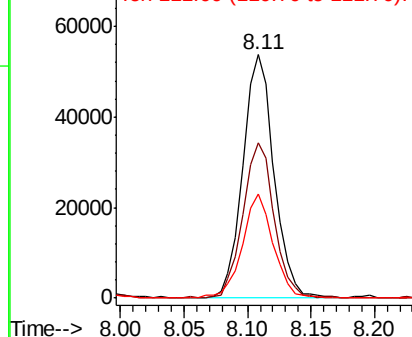
146 100

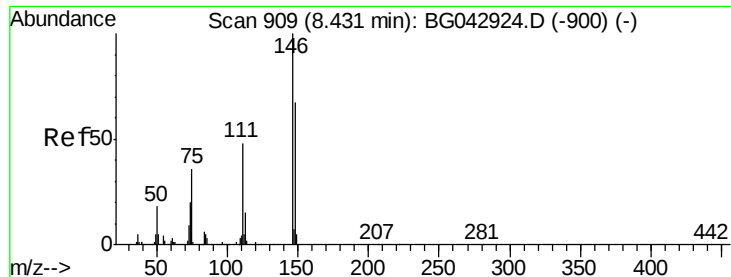
148 63.5 50.9 76.3

111 42.7 31.8 47.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 12.527 ng

RT: 8.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

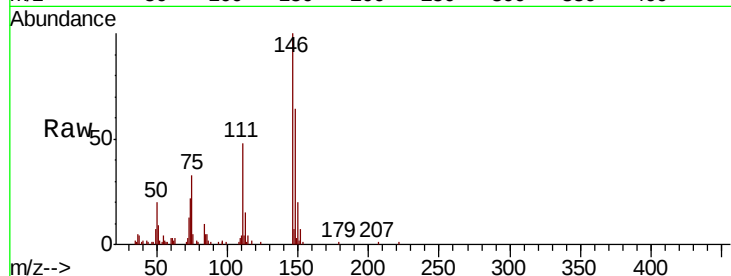
Tot Ion:146 Resp: 48633

Ion Ratio Lower Upper

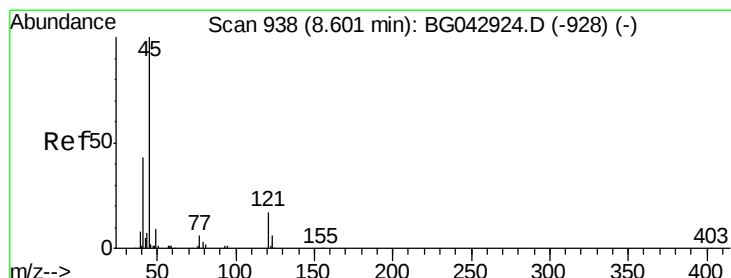
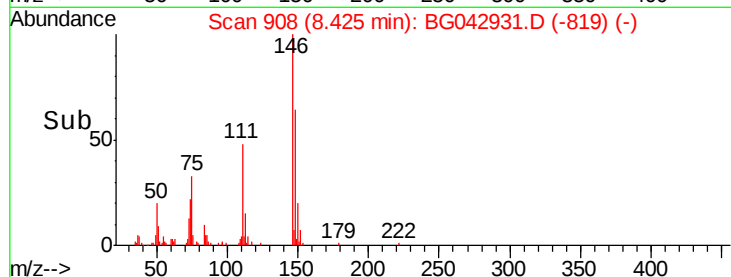
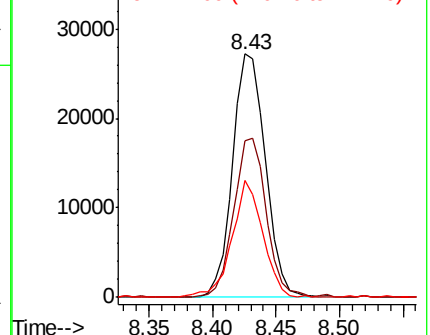
146 100

148 64.5 53.4 80.2

111 47.8 38.5 57.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.777 ng

RT: 8.61 min Scan# 939

Delta R.T. 0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

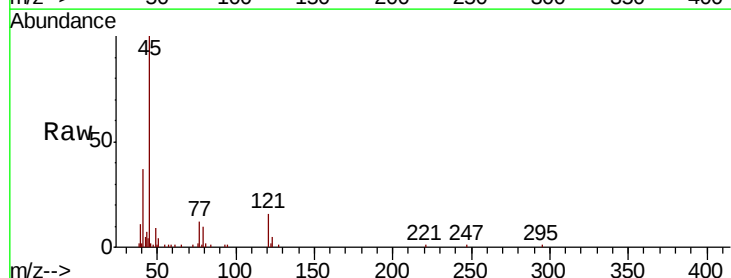
Tgt Ion: 45 Resp: 59018

Ion Ratio Lower Upper

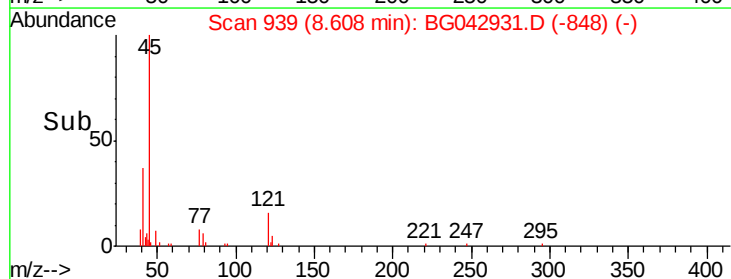
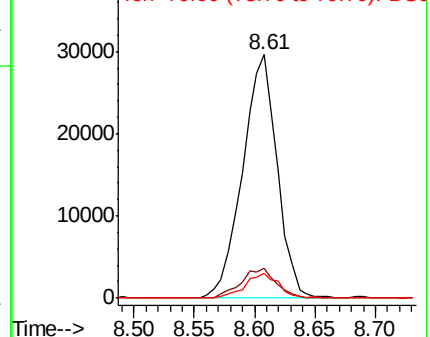
45 100

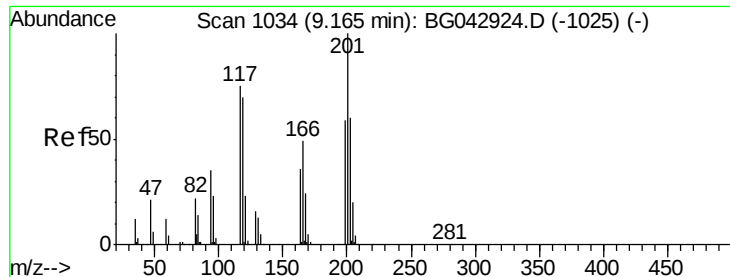
77 12.1 0.0 32.8

79 10.1 0.0 29.4



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

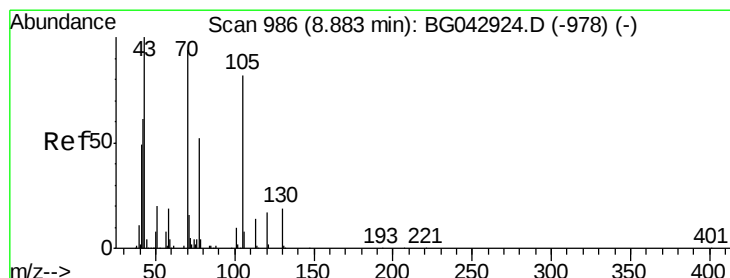
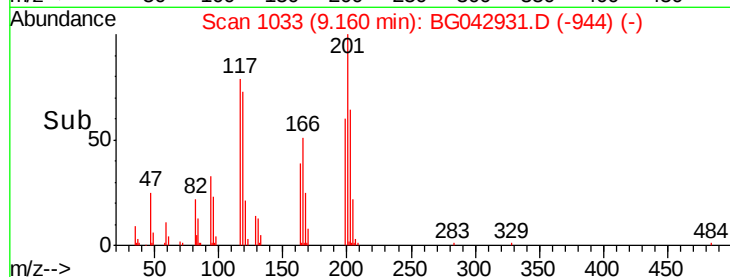
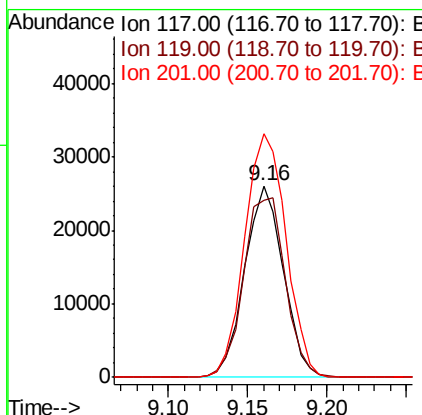
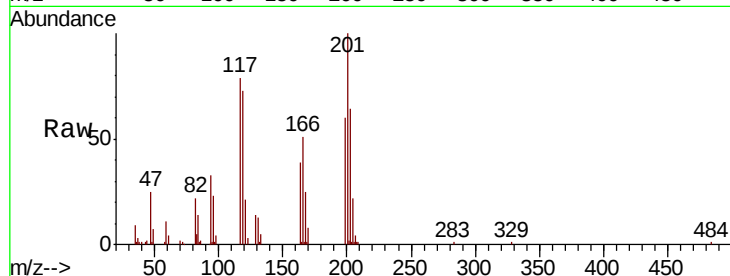




#18
Hexachloroethane
Concen: 28.811 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

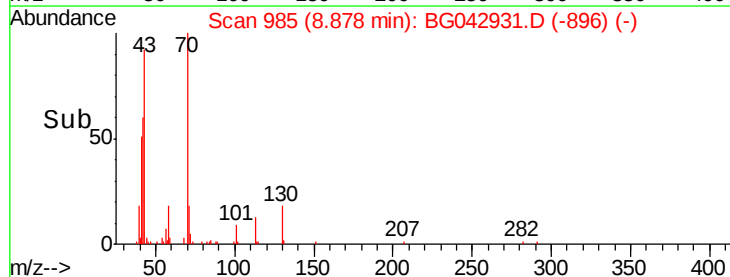
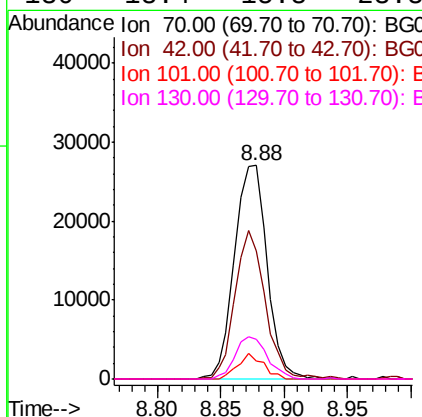
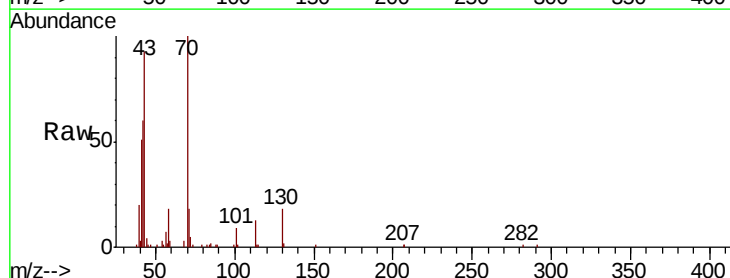
Instrument :
BNA_G
ClientSampleId :

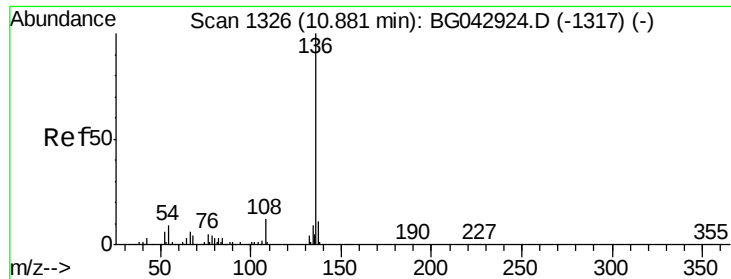
Tot Ion:117 Resp: 44245
Ion Ratio Lower Upper
117 100
119 92.5 74.6 111.8
201 127.2 106.0 159.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.664 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion: 70 Resp: 48449
Ion Ratio Lower Upper
70 100
42 59.8 52.6 79.0
101 8.5 8.7 13.1#
130 18.4 15.8 23.8

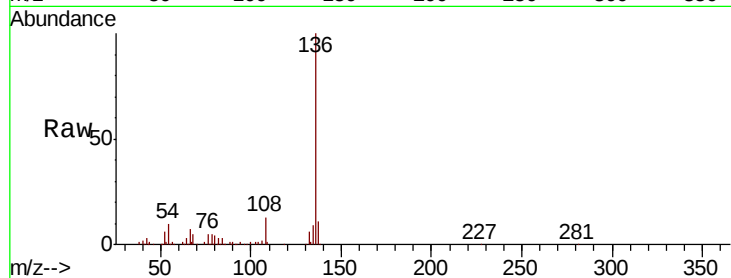




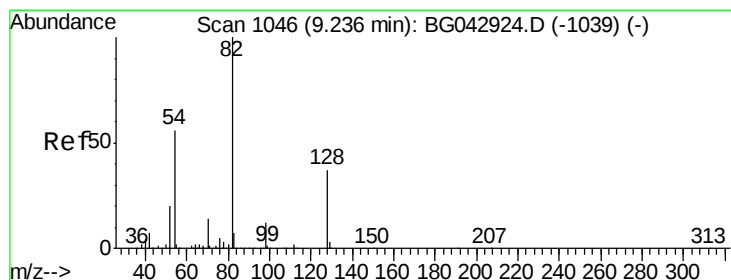
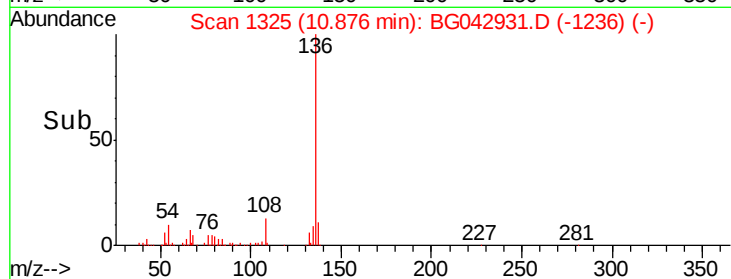
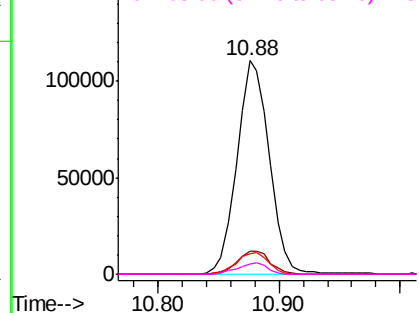
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	205671
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.5 12.7
54	9.7	7.4 11.2
68	5.1	3.6 5.4

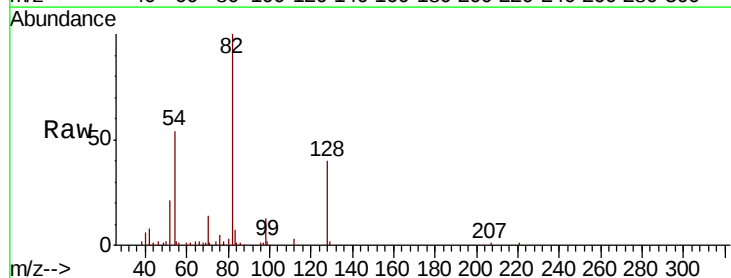


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

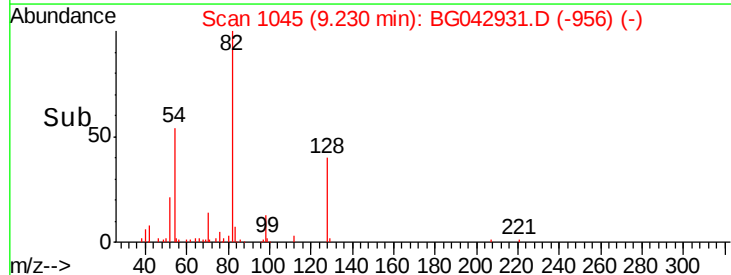
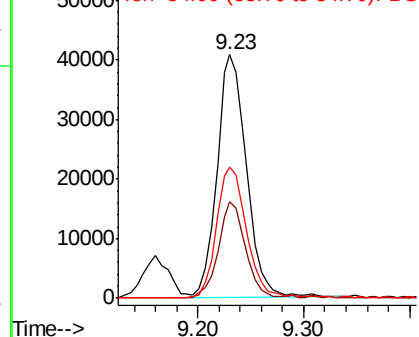


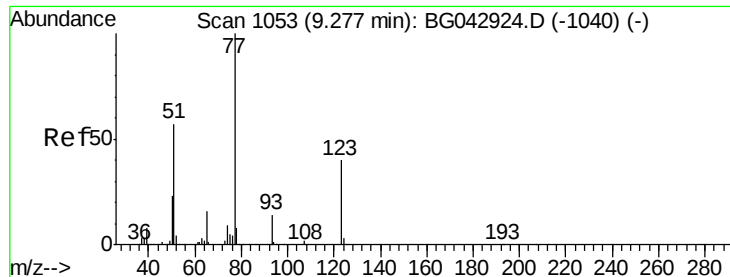
#23
Nitrobenzene-d5
Concen: 18.608 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion: 82	Resp:	78740
Ion	Ratio	Lower Upper
82	100	
128	39.8	29.5 44.3
54	54.0	44.6 67.0



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

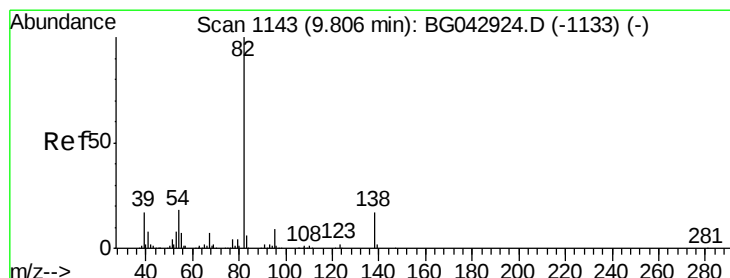
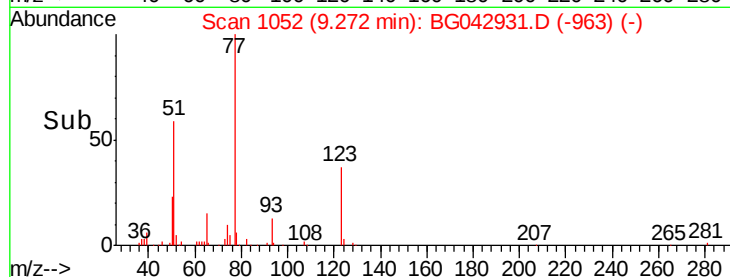
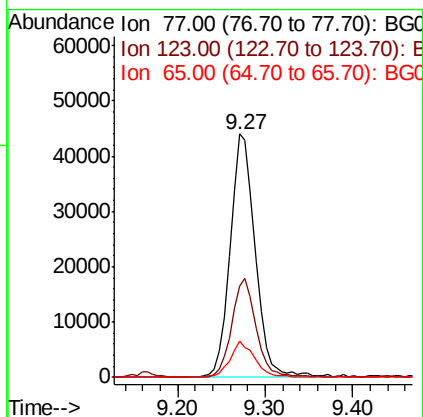
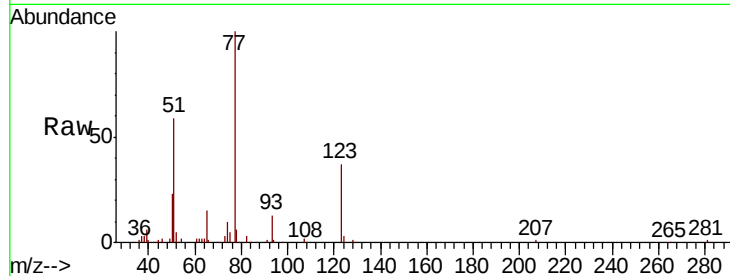




#24
Nitrobenzene
Concen: 21.239 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

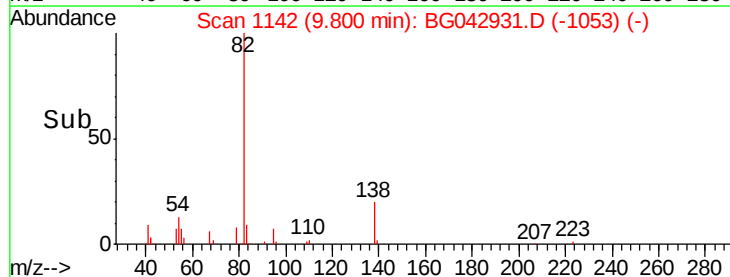
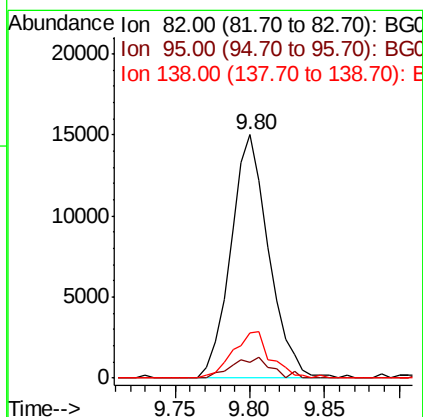
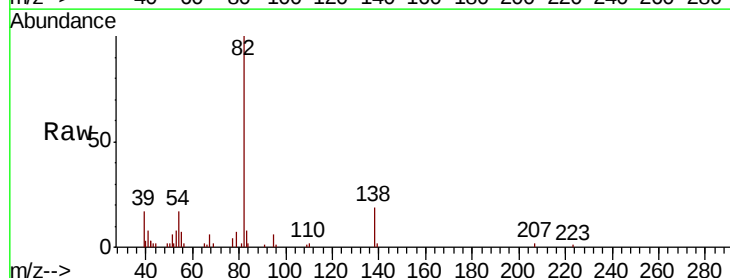
Instrument :
BNA_G
ClientSampleId :

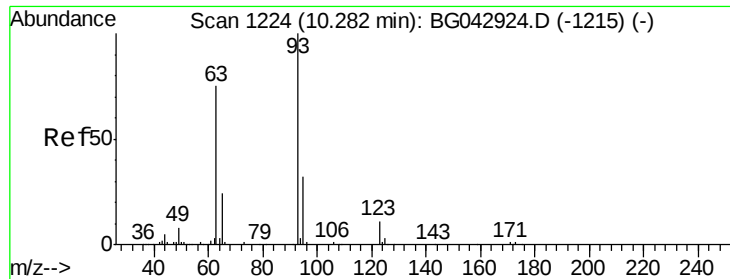
Tot Ion	77	Resp	85723
Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.9	47.9
65	15.0	12.4	18.6



#25
Isophorone
Concen: 3.571 ng
RT: 9.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	82	Resp	26542
Ion	Ratio	Lower	Upper
82	100		
95	6.4	7.0	10.4#
138	18.7	13.8	20.6

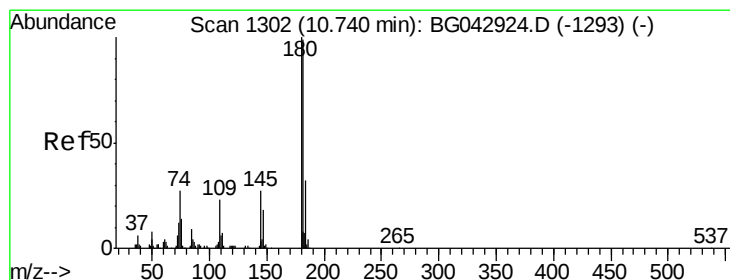
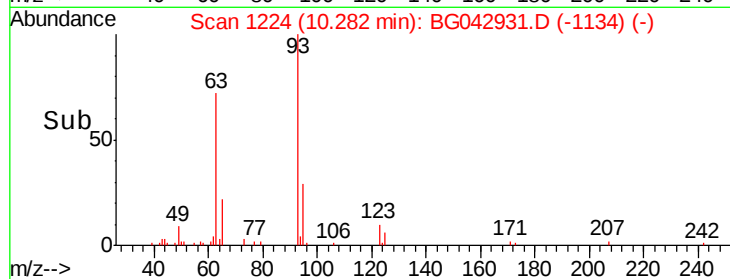
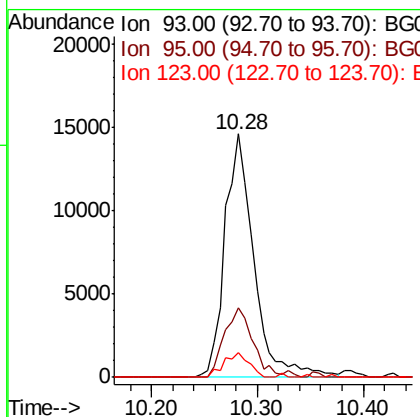
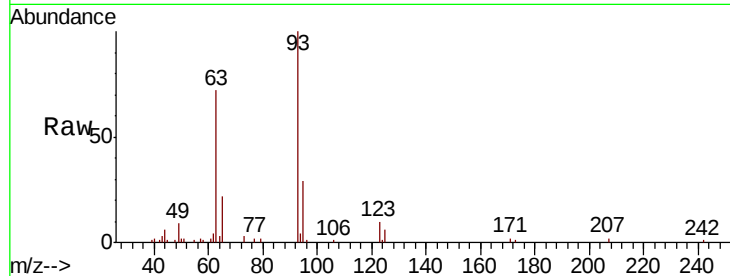




#28
bis(2-Chloroethoxy)methane
Concen: 6.600 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

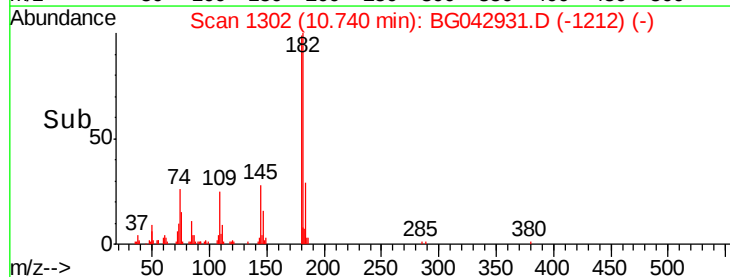
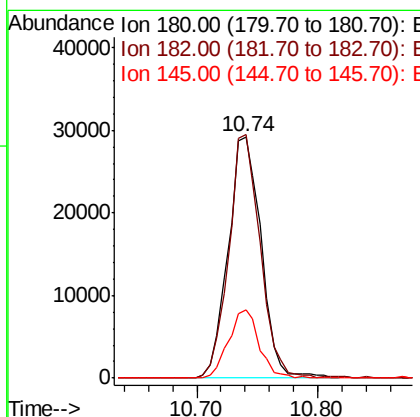
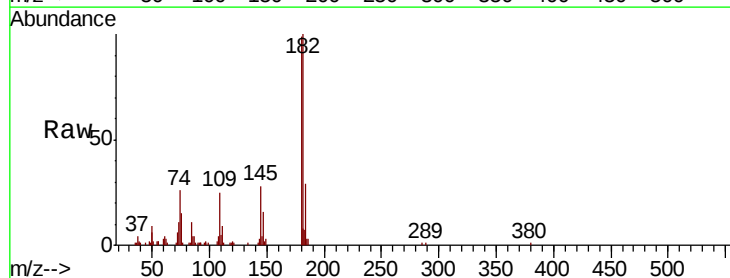
Instrument :
BNA_G
ClientSampleId :

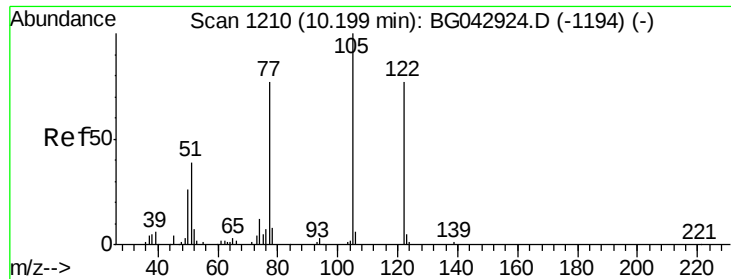
Tot Ion	93	Resp	27833
Ion	Ratio	Lower	Upper
93	100		
95	28.8	25.4	38.0
123	10.1	9.3	13.9



#30
1,2,4-Trichlorobenzene
Concen: 13.037 ng
RT: 10.74 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	180	Resp	55250
Ion	Ratio	Lower	Upper
180	100		
182	100.9	79.3	118.9
145	28.5	22.0	33.0

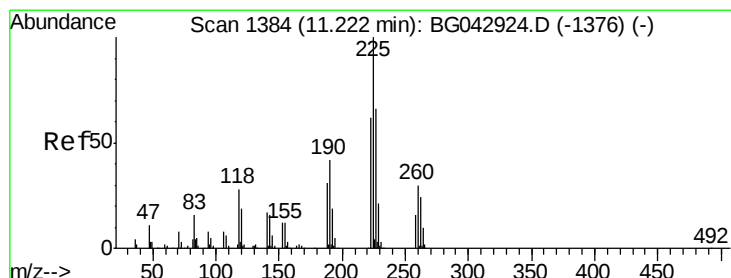
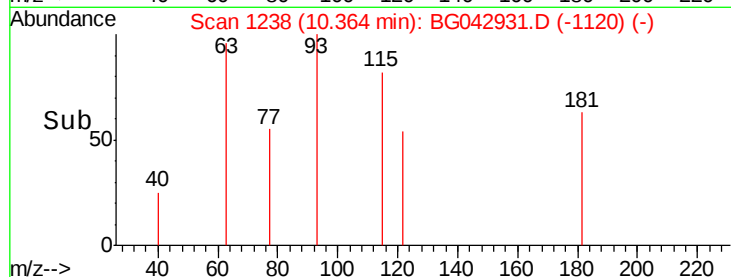
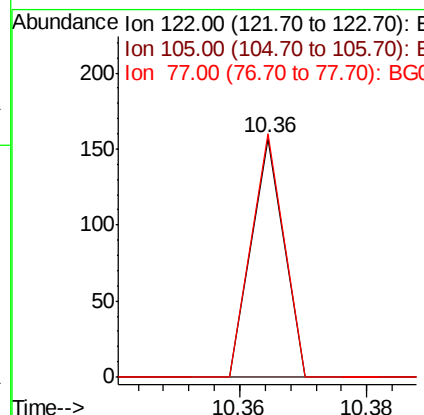
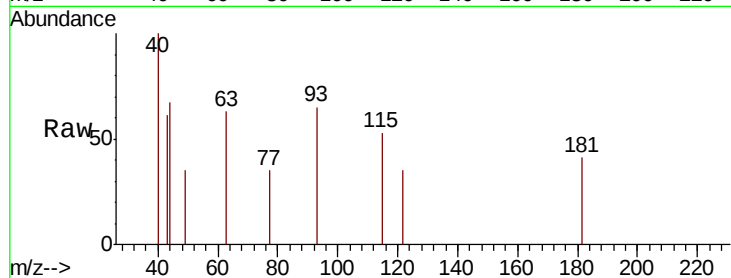




#32
Benzoic acid
Concen: 2.828 ng
RT: 10.36 min Scan# 1238
Delta R.T. 0.17 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

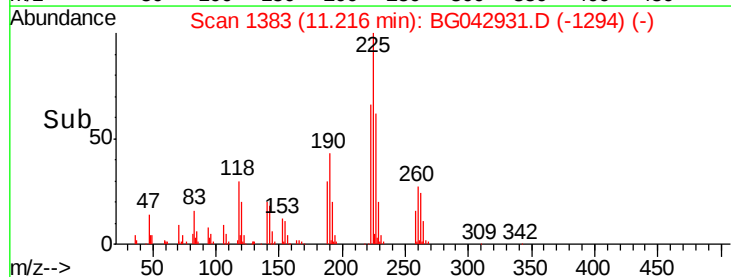
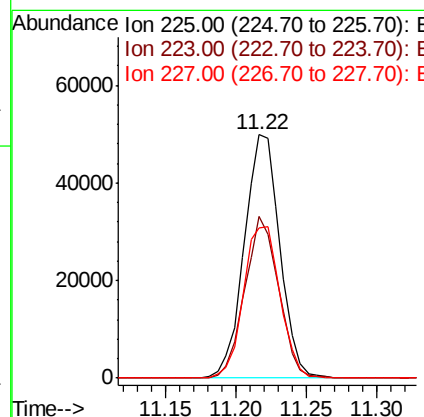
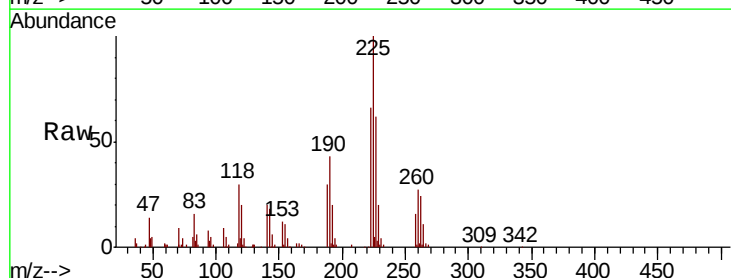
Instrument :
BNA_G
ClientSampleId :

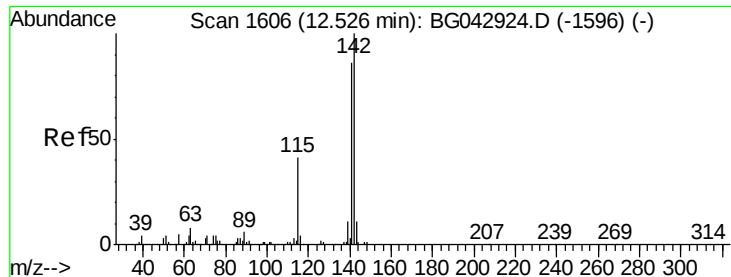
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	101.9	79.8	119.8



#34
Hexachlorobutadiene
Concen: 27.655 ng
RT: 11.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	49.3	73.9
227	61.5	52.8	79.2

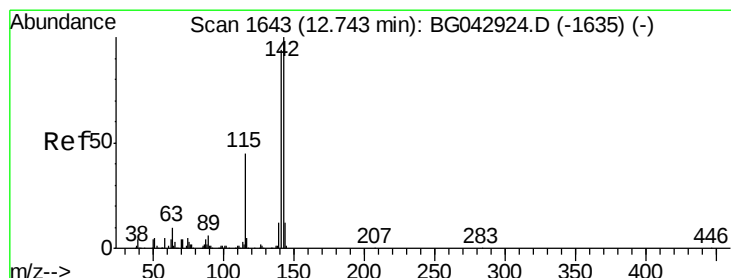
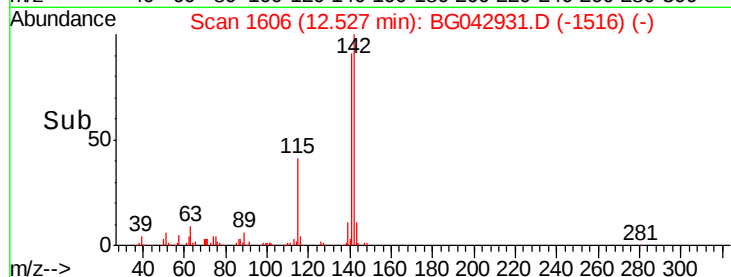
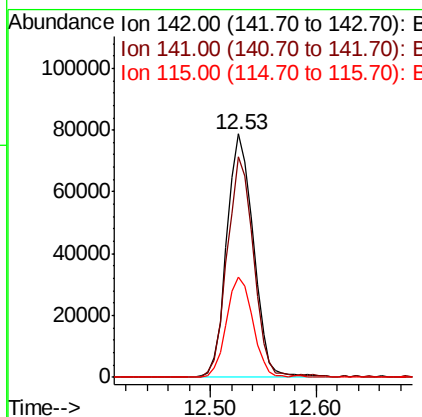
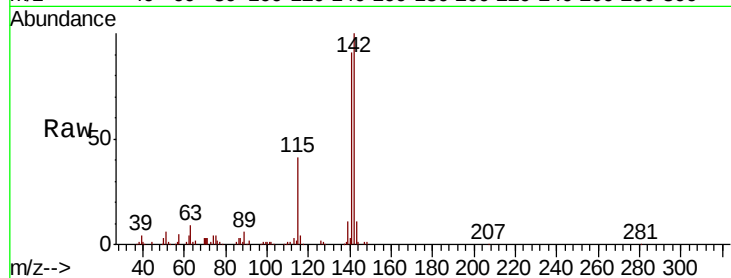




#37
2-Methylnaphthalene
Concen: 17.831 ng
RT: 12.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

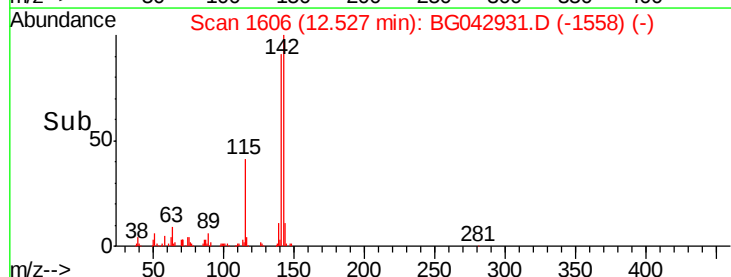
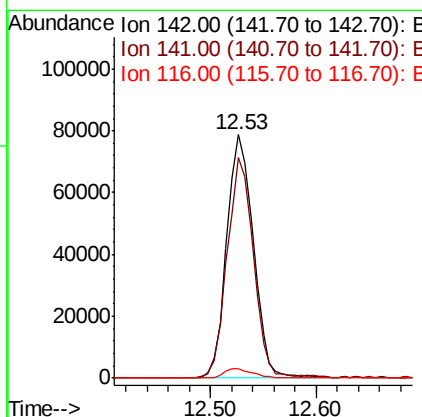
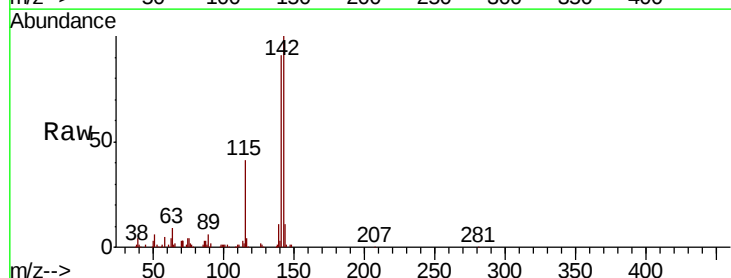
Instrument :
BNA_G
ClientSampled :

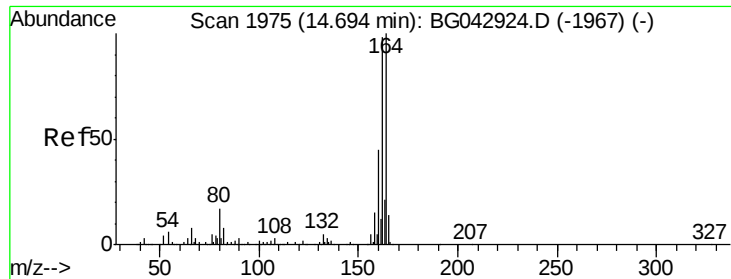
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	69.0	103.4
115	41.2	32.8	49.2



#38
1-Methylnaphthalene
Concen: 18.844 ng
RT: 12.53 min Scan# 1606
Delta R.T. -0.22 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.9	112.3
116	4.0	3.7	5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

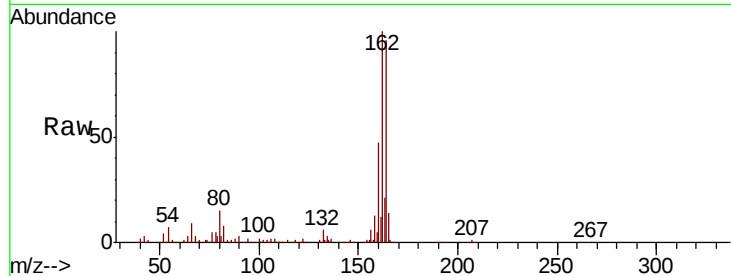
Tot Ion:164 Resp: 147088

Ion Ratio Lower Upper

164 100

162 103.9 78.5 117.7

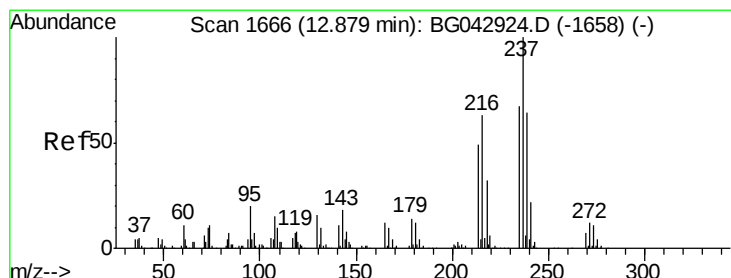
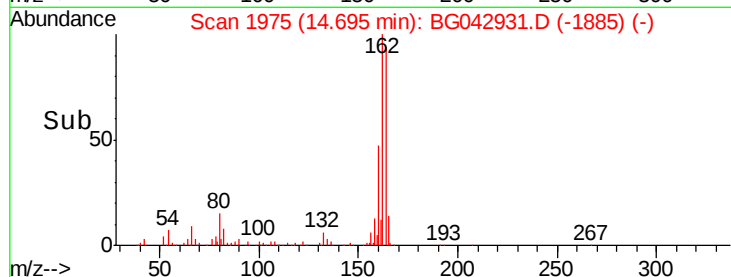
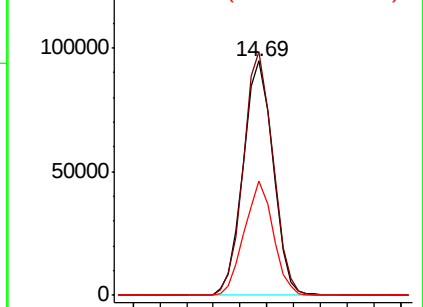
160 48.7 35.9 53.9



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



#41

Hexachlorocyclopentadiene

Concen: 20.776 ng

RT: 12.88 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

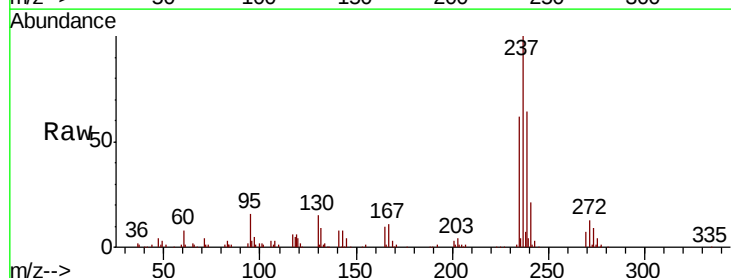
Tgt Ion:237 Resp: 73208

Ion Ratio Lower Upper

237 100

235 61.9 46.7 86.7

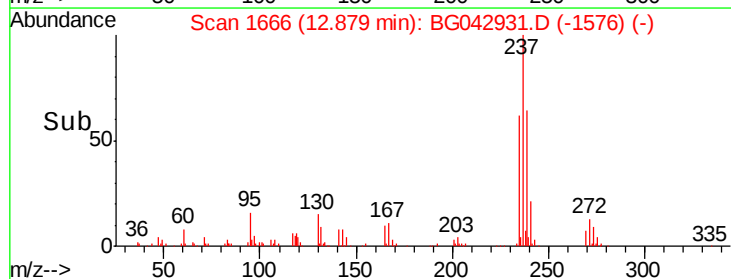
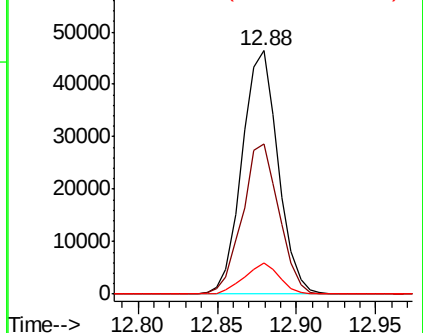
272 12.7 0.0 32.3

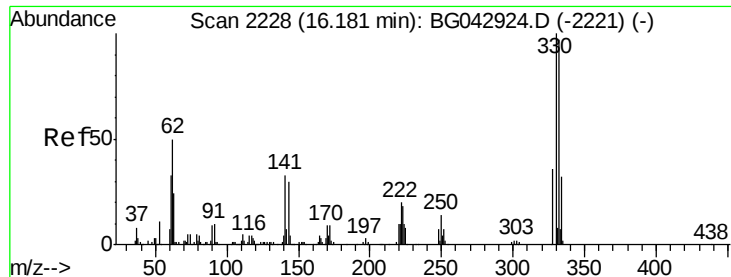


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

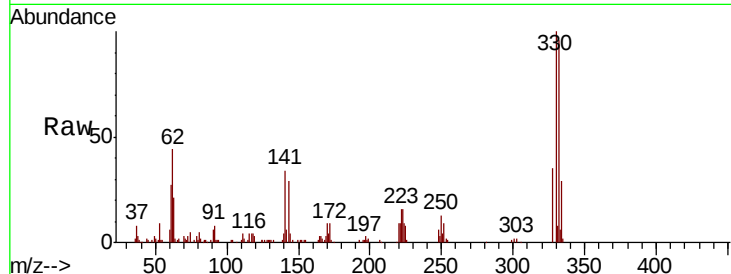




#42
 2,4,6-Tribromophenol
 Concen: 24.160 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.2	78.2	117.2
141	32.3	26.0	39.0

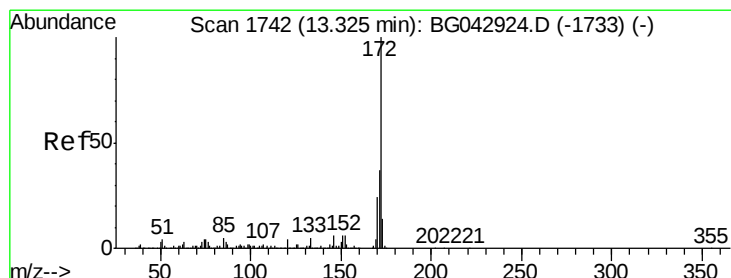
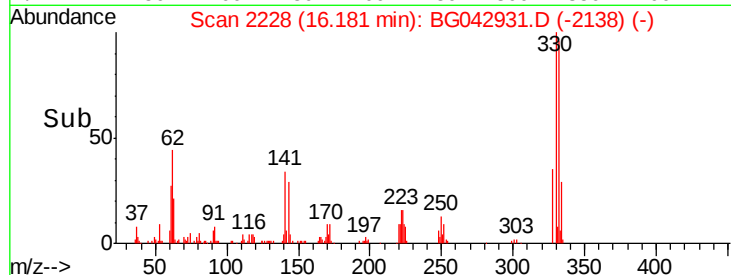
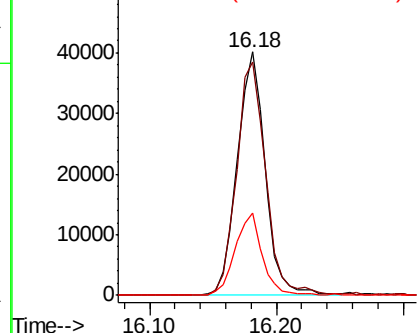


Abundance

Ion 329.80 (329.50 to 330.50): E

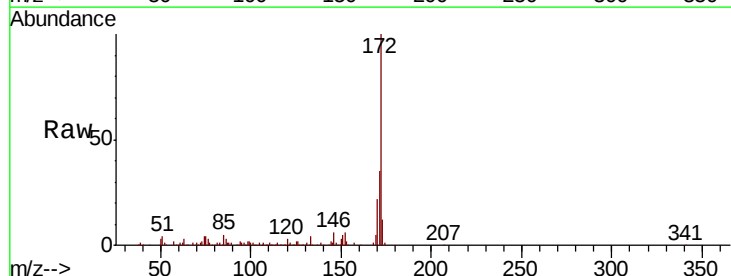
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 21.517 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.2	19.6	29.4

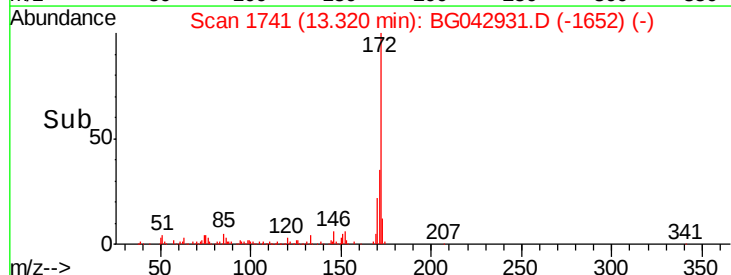
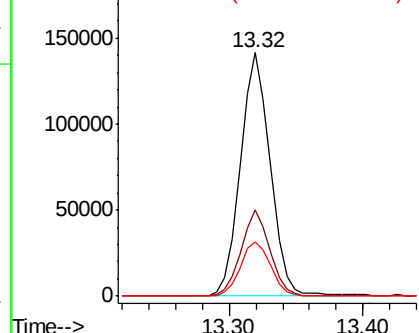


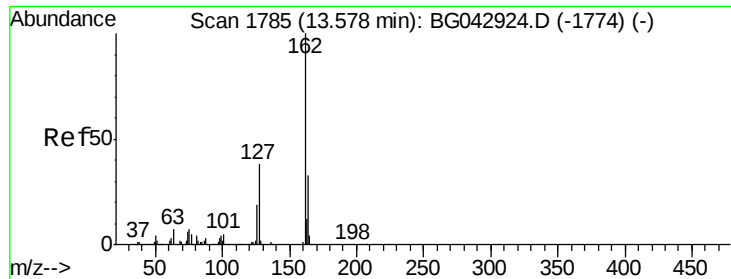
Abundance

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

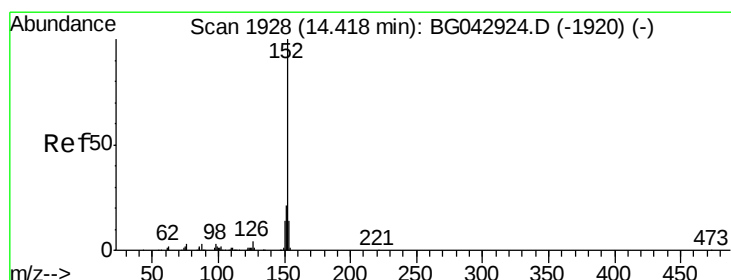
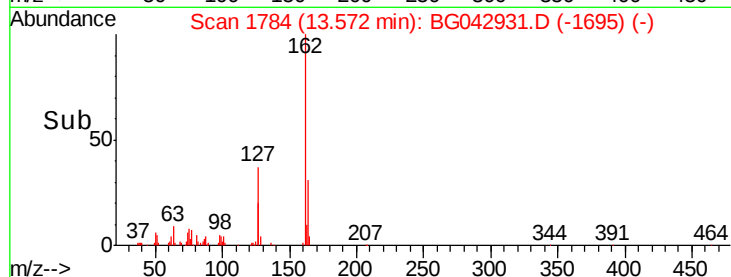
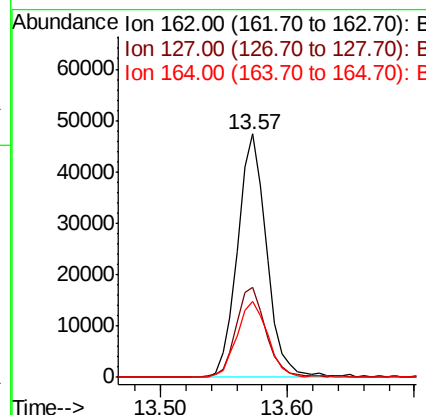
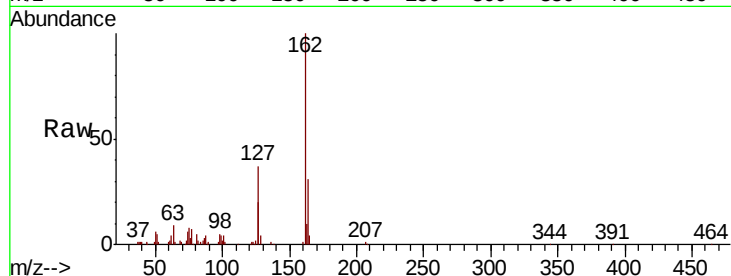




#47
 2-Chloronaphthalene
 Concen: 8.962 ng
 RT: 13.57 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

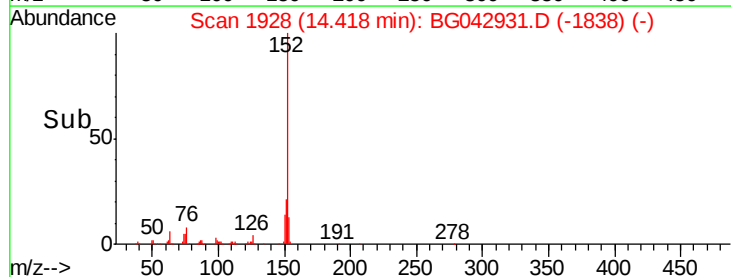
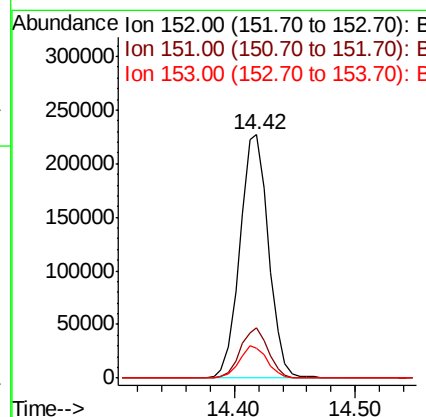
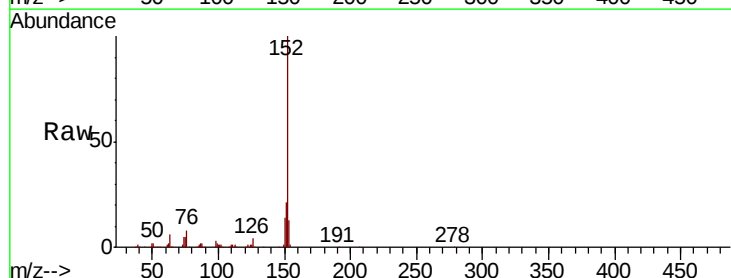
Instrument :
 BNA_G
 ClientSampleId :

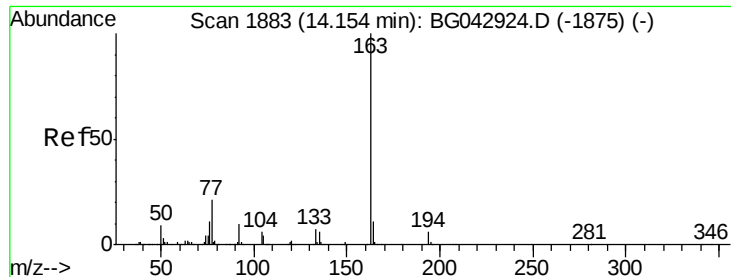
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.0	31.0	46.6
164	31.2	26.2	39.2



#49
 Acenaphthylene
 Concen: 29.368 ng
 RT: 14.42 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	12.5	11.3	16.9

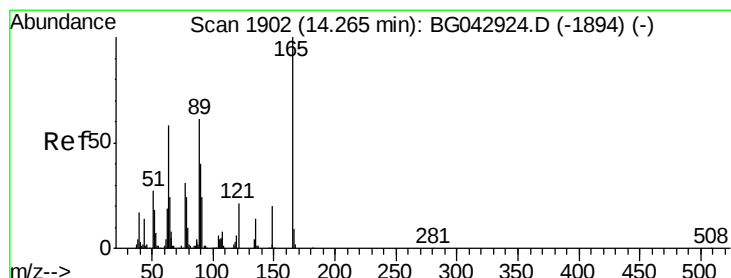
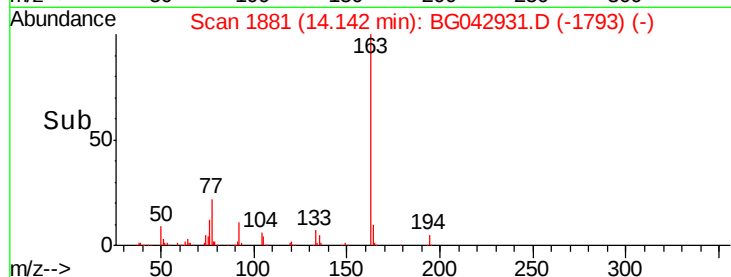
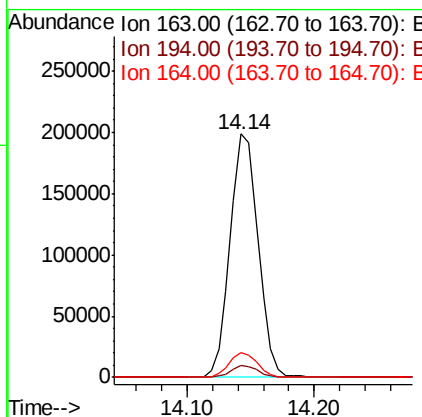
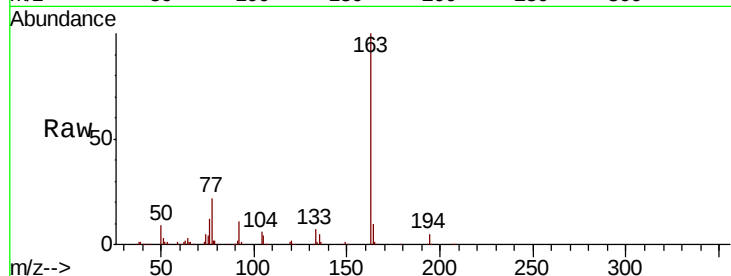




#50
Dimethylphthalate
Concen: 27.613 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

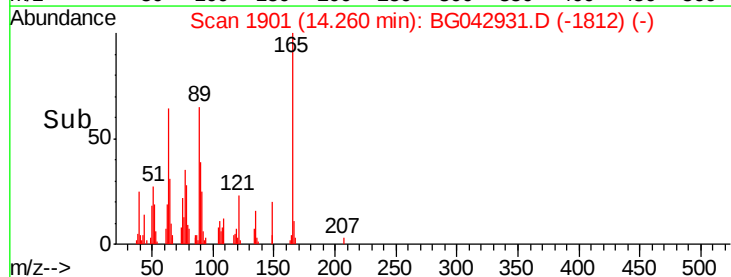
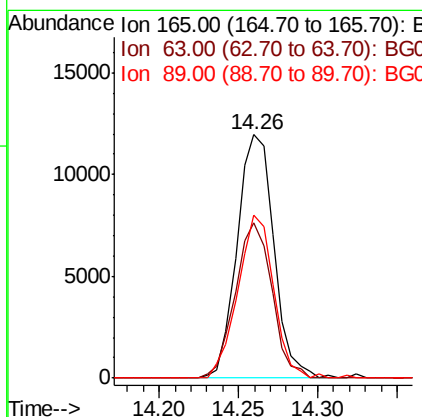
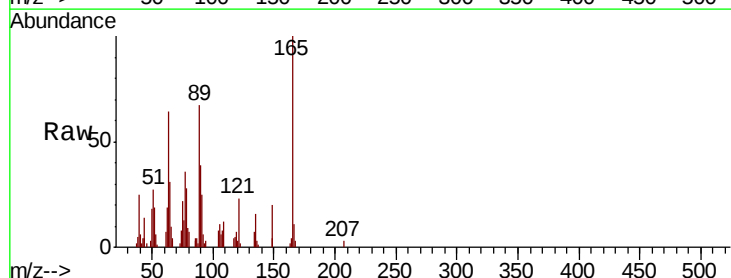
Instrument :
BNA_G
ClientSampled :

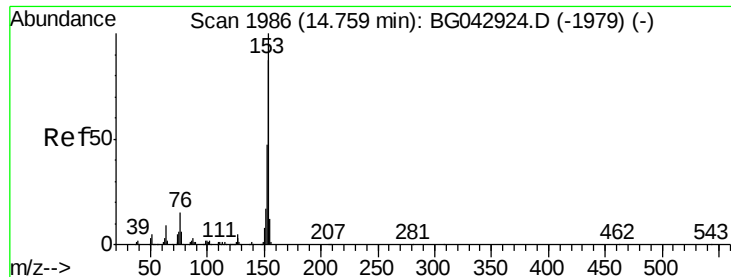
Tot Ion	163	Resp	304316
Ion Ratio	Lower	Upper	
163	100		
194	5.0	4.4	6.6
164	10.0	8.6	12.8



#51
2,6-Dinitrotoluene
Concen: 8.187 ng
RT: 14.26 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	165	Resp	19215
Ion Ratio	Lower	Upper	
165	100		
63	63.6	50.3	75.5
89	66.8	48.9	73.3





#52

Acenaphthene

Concen: 32.060 ng

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

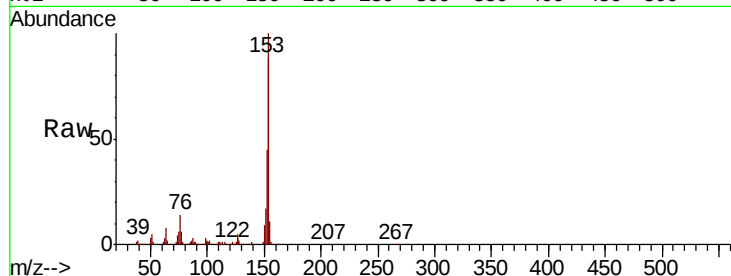
Tot Ion:154 Resp: 274606

Ion Ratio Lower Upper

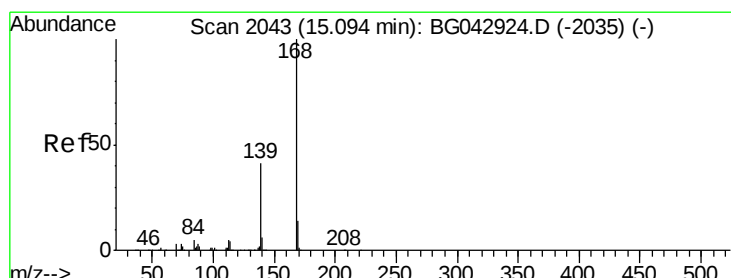
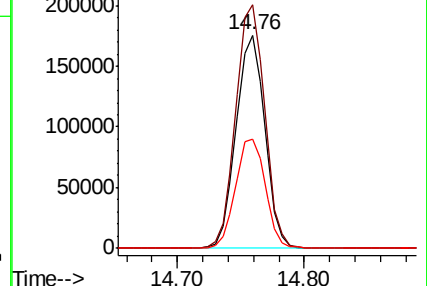
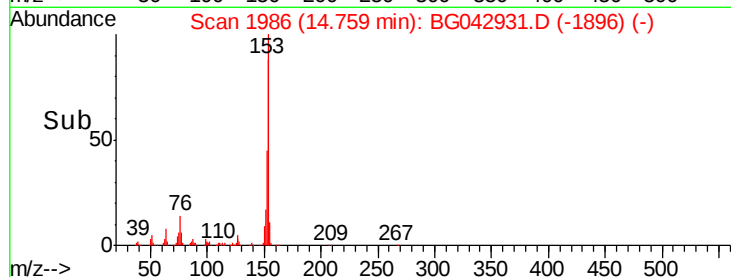
154 100

153 114.3 91.4 137.0

152 51.4 42.8 64.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 20.877 ng

RT: 15.09 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

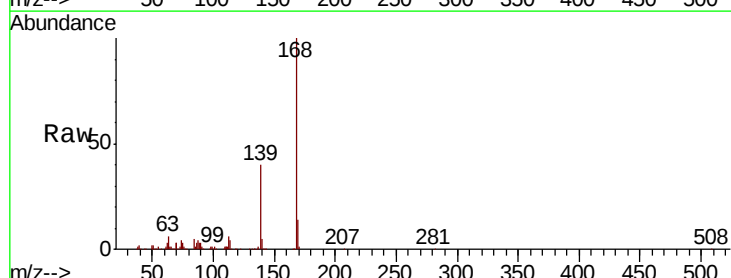
Tgt Ion:168 Resp: 264525

Ion Ratio Lower Upper

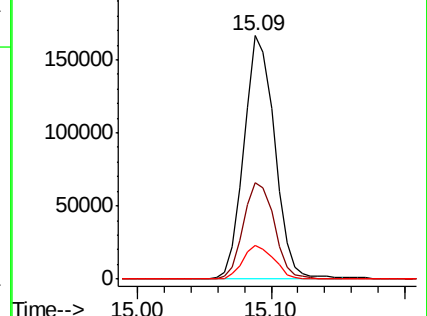
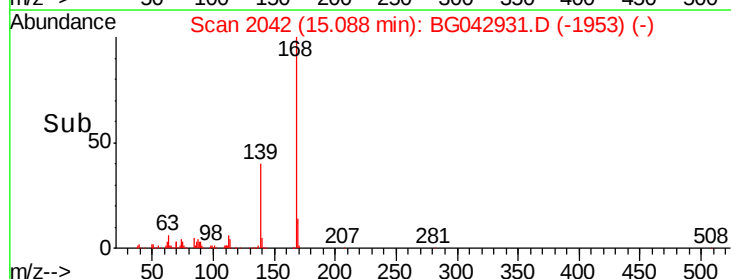
168 100

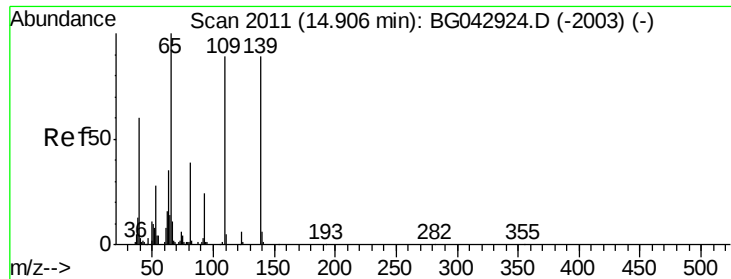
139 39.5 32.6 48.8

169 13.9 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

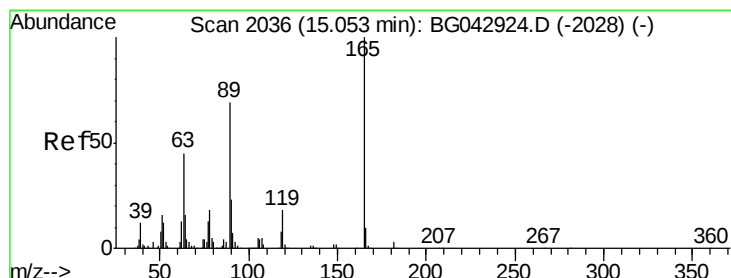
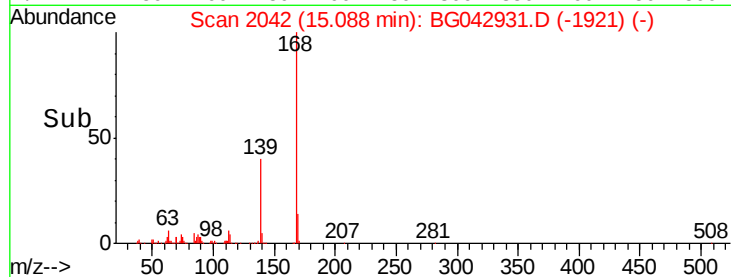
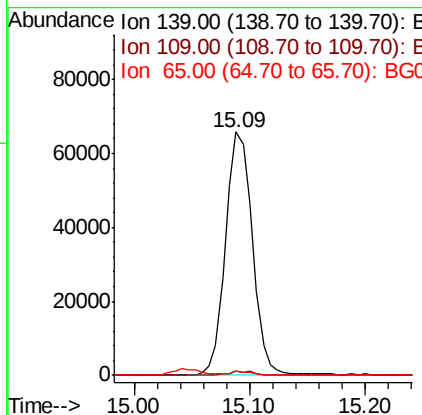
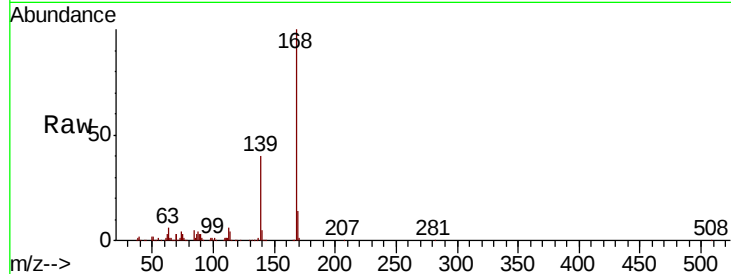




#56
4-Nitrophenol
Concen: 57.816 ng
RT: 15.09 min Scan# 2042
Delta R.T. 0.18 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

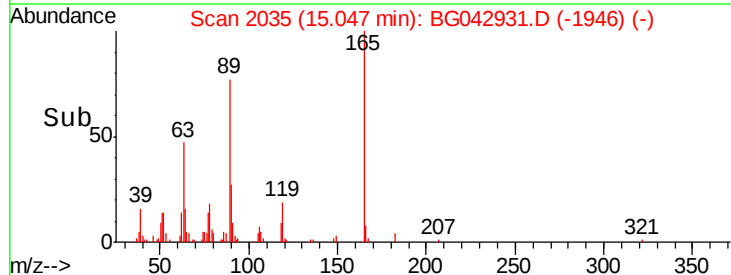
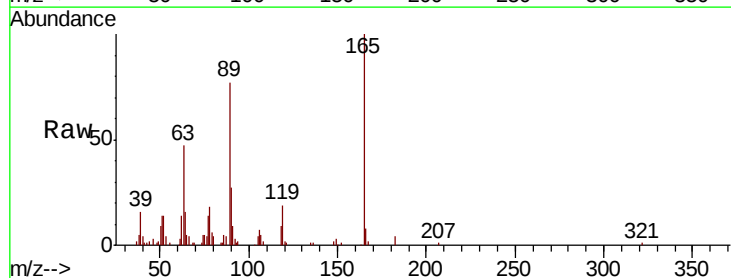
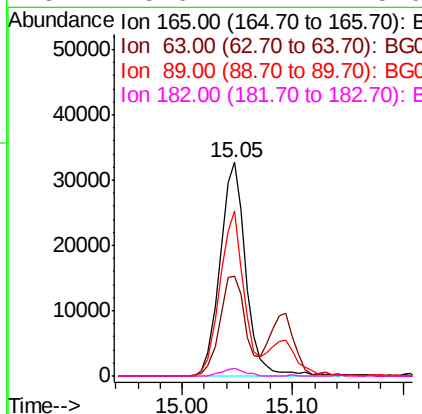
Instrument :
BNA_G
ClientSampleId :

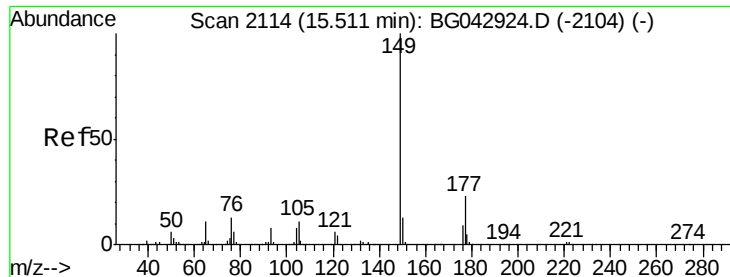
Tot Ion	Ratio	Lower	Upper
139	100		
109	1.6	79.4	119.4#
65	1.5	92.5	132.5#



#57
2,4-Dinitrotoluene
Concen: 15.459 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG042931.D
Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.7	36.5	54.7
89	77.1	55.5	83.3
182	3.6	2.4	3.6

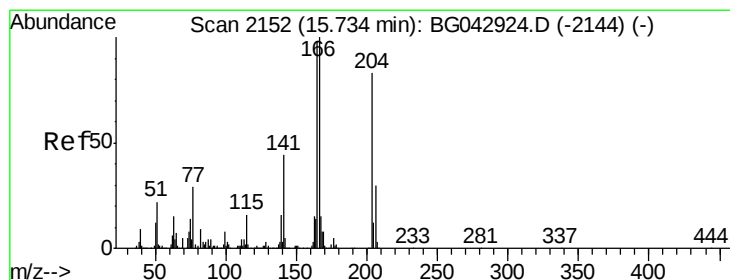
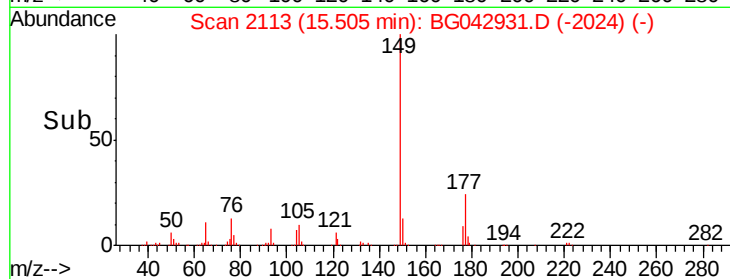
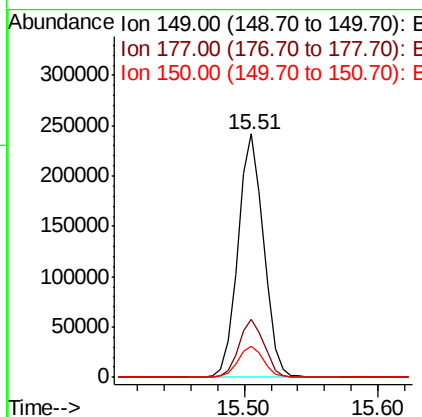
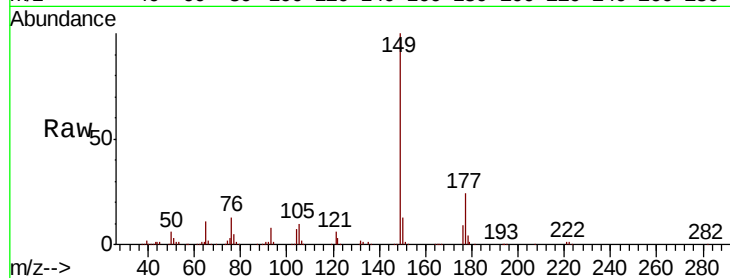




#60
 Diethylphthalate
 Concen: 28.639 ng
 RT: 15.51 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

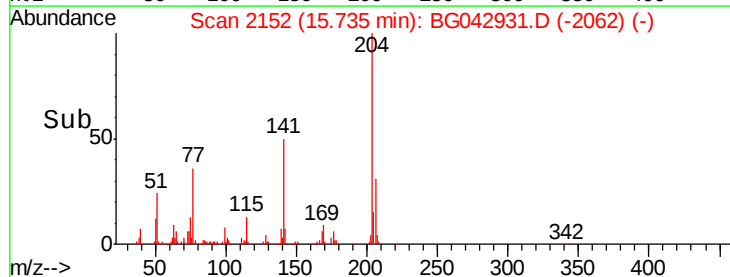
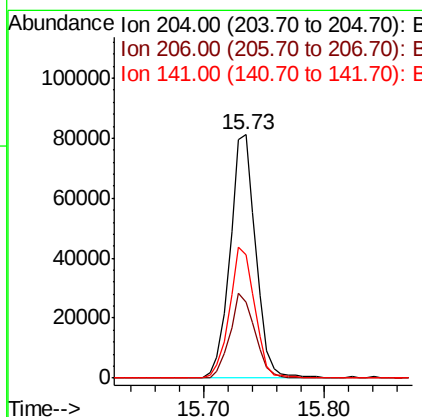
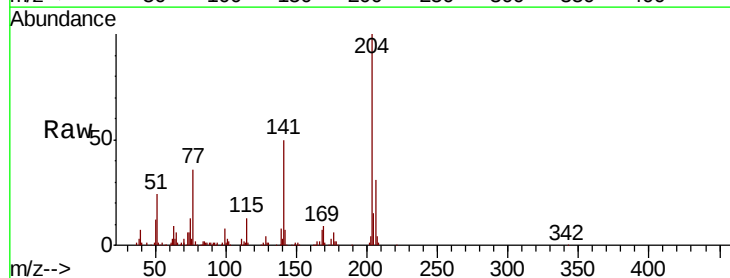
Instrument :
 BNA_G
 ClientSampleId :

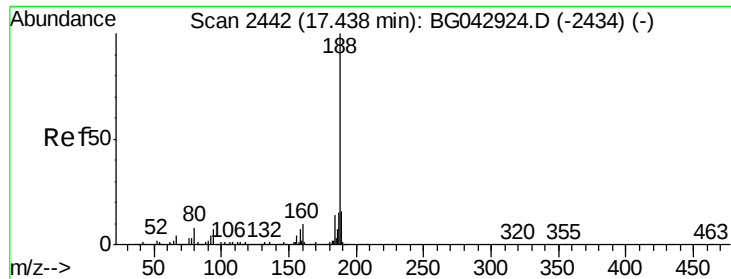
Tot Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.8	28.2
150	12.9	10.6	15.8



#61
 4-Chlorophenyl-phenylether
 Concen: 18.458 ng
 RT: 15.73 min Scan# 2152
 Delta R.T. 0.00 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.5	28.5	42.7
141	50.5	42.4	63.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

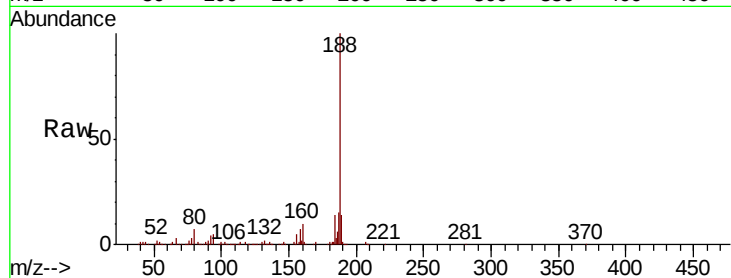
Tot Ion:188 Resp: 364332

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

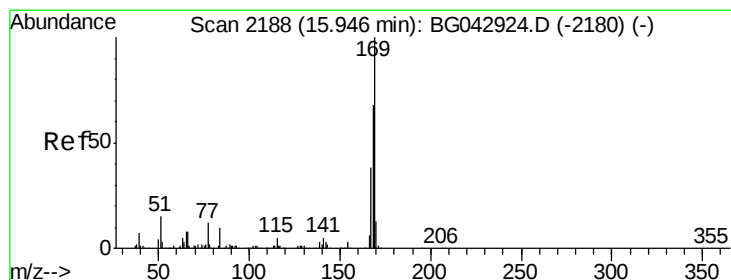
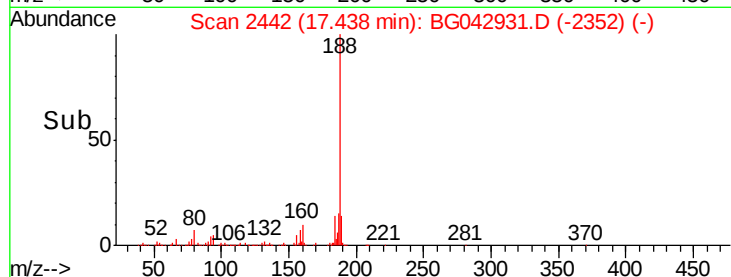
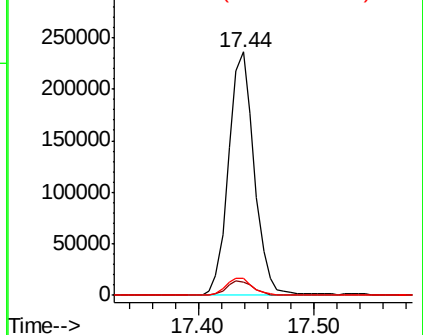
80 6.8 6.5 9.7



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



#66

n-Nitrosodiphenylamine

Concen: 8.109 ng

RT: 15.95 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

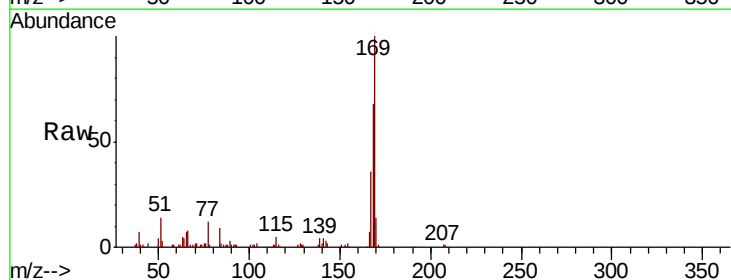
Tgt Ion:169 Resp: 77990

Ion Ratio Lower Upper

169 100

168 68.0 54.8 82.2

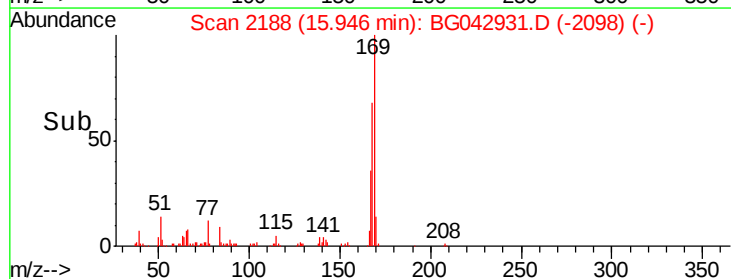
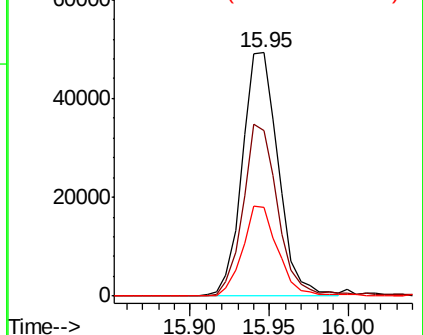
167 36.4 30.6 46.0

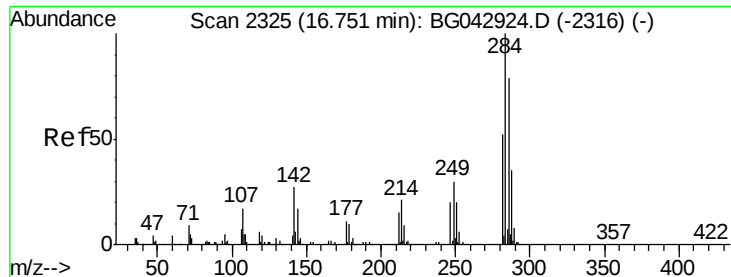


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Hexachlorobenzene

Concen: 16.624 ng

RT: 16.75 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

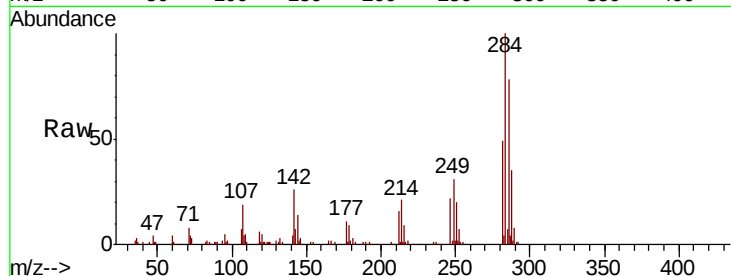
Tot Ion:284 Resp: 84639

Ion Ratio Lower Upper

284 100

142 25.6 21.6 32.4

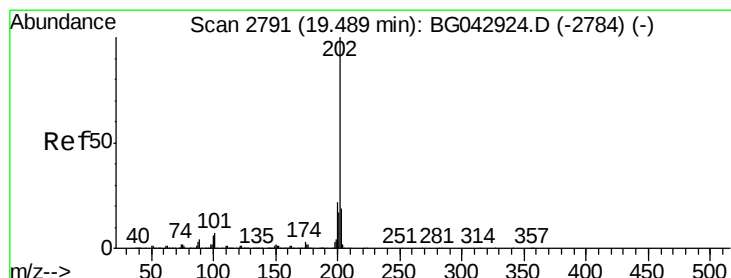
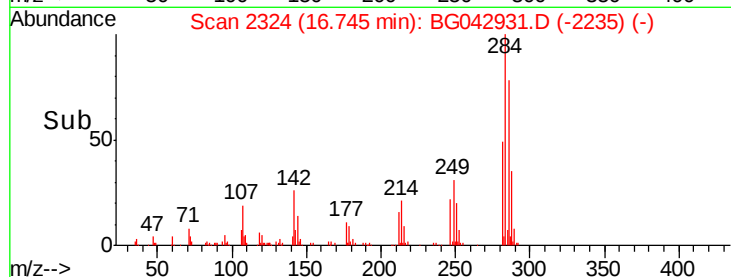
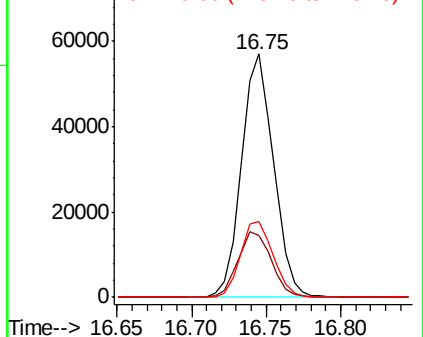
249 31.1 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#75

Fluoranthene

Concen: 15.899 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

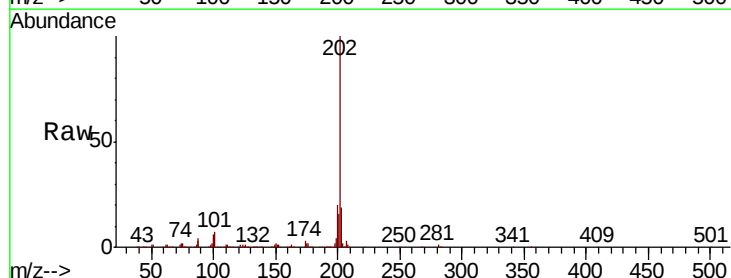
Tgt Ion:202 Resp: 374055

Ion Ratio Lower Upper

202 100

101 6.5 0.0 27.3

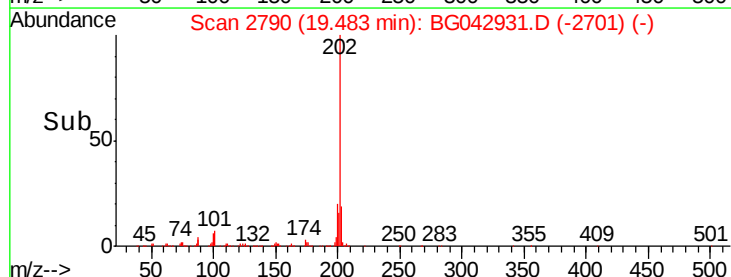
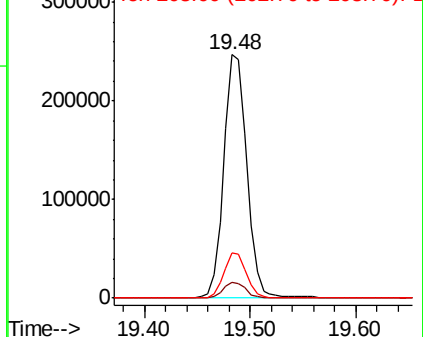
203 18.6 0.0 39.5

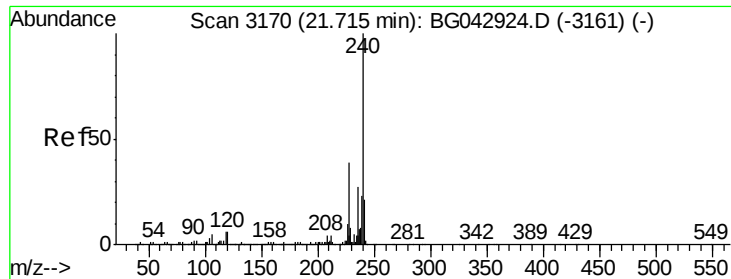


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

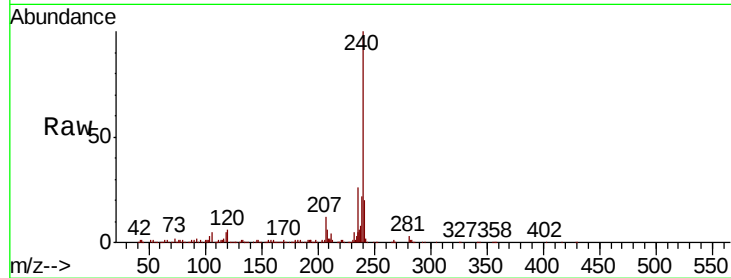
Tot Ion:240 Resp: 415434

Ion Ratio Lower Upper

240 100

120 6.1 4.8 7.2

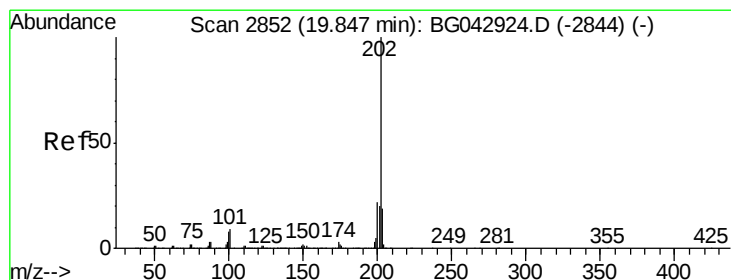
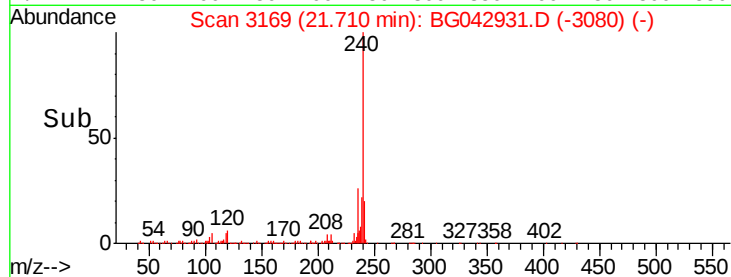
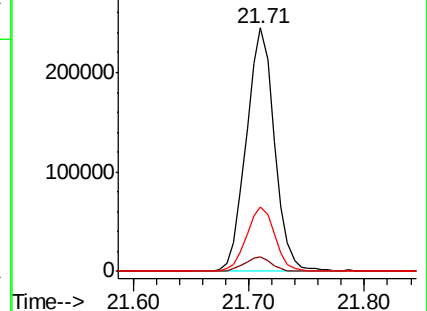
236 26.3 21.4 32.0



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



#78

Pyrene

Concen: 16.671 ng

RT: 19.85 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

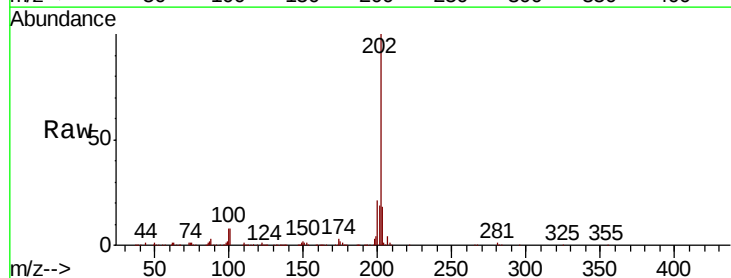
Tgt Ion:202 Resp: 413369

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

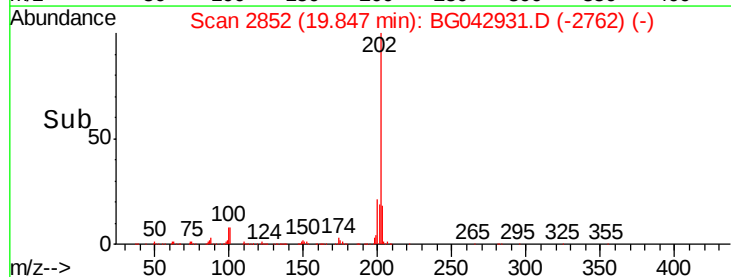
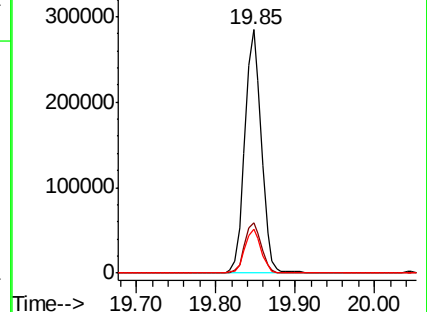
203 18.3 15.2 22.8

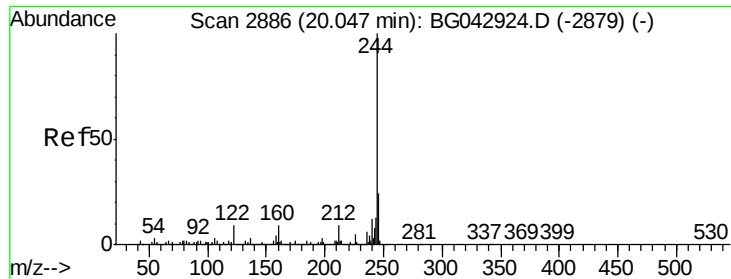


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 25.241 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

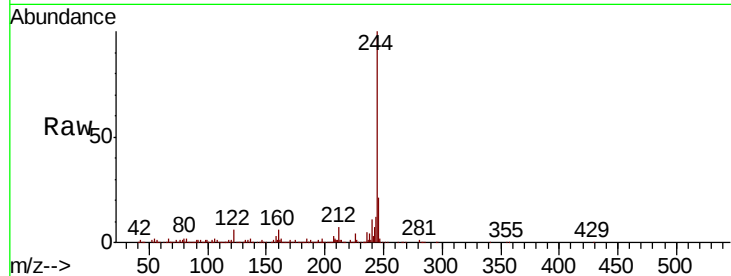
Tot Ion:244 Resp: 492102

Ion Ratio Lower Upper

244 100

212 6.8 7.4 11.0#

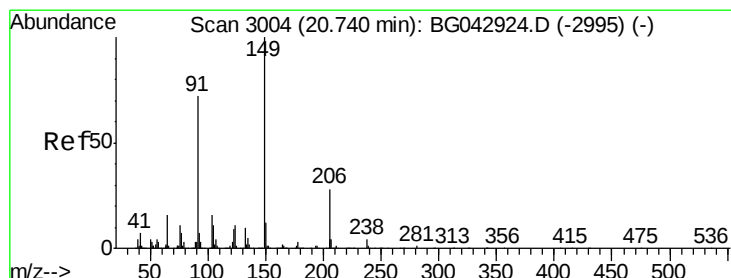
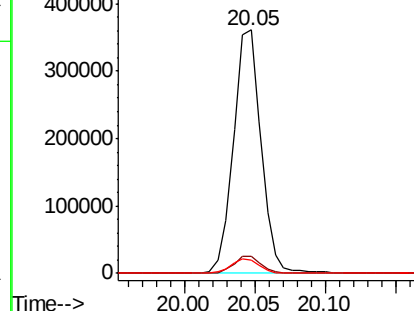
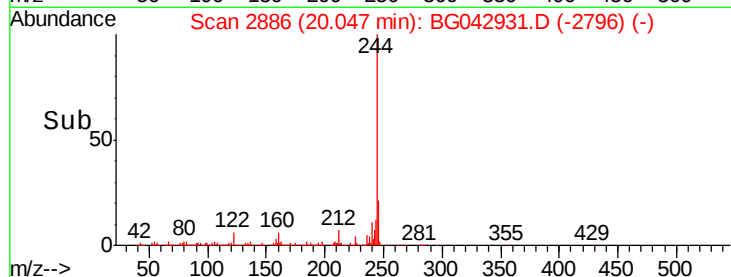
122 5.6 7.0 10.4#



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



#80

Butylbenzylphthalate

Concen: 25.227 ng

RT: 20.73 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

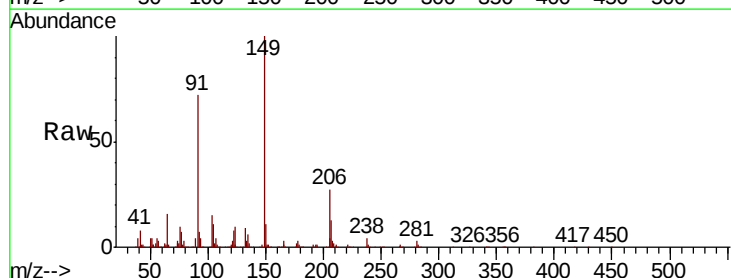
Tgt Ion:149 Resp: 237428

Ion Ratio Lower Upper

149 100

91 71.7 57.7 86.5

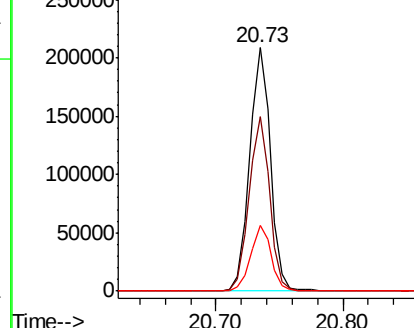
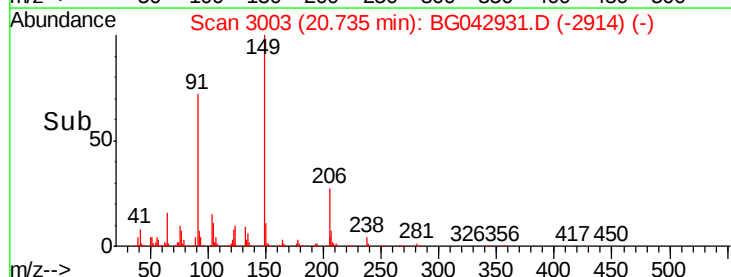
206 27.1 22.6 33.8

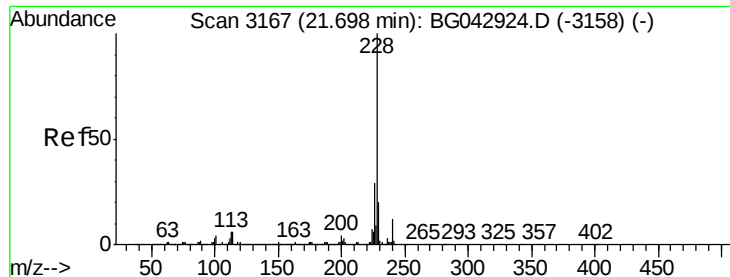


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 6.616 ng

RT: 21.76 min Scan# 3177

Delta R.T. 0.06 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

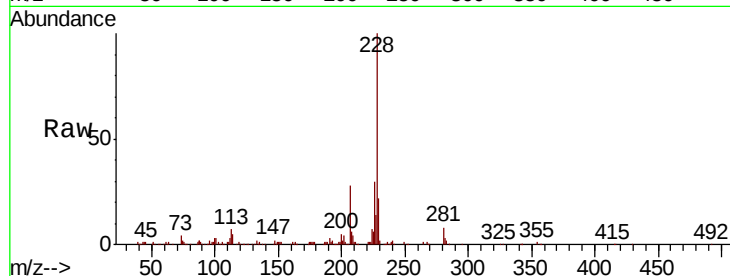
Tot Ion:228 Resp: 171251

Ion Ratio Lower Upper

228 100

226 30.1 23.0 34.4

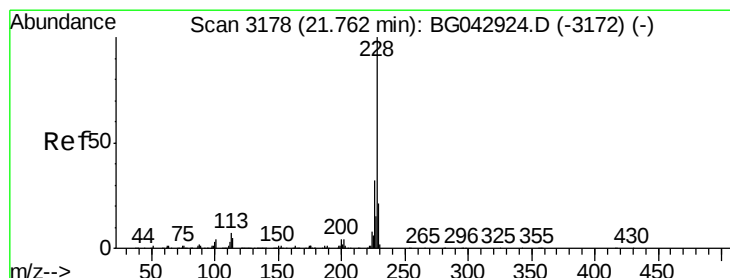
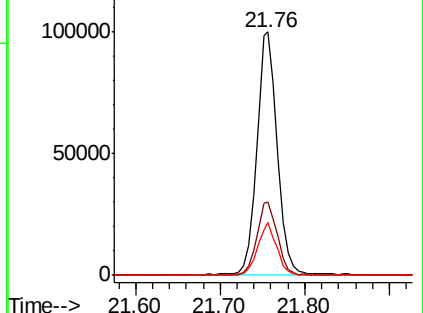
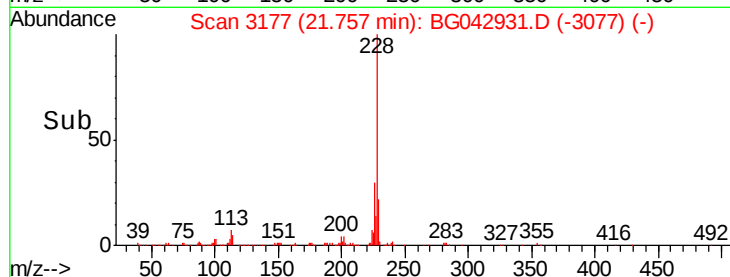
229 21.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.817 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

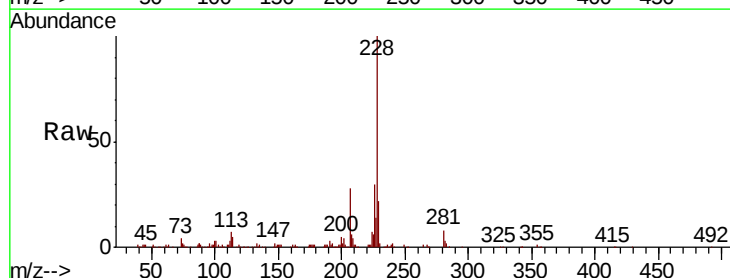
Tgt Ion:228 Resp: 171251

Ion Ratio Lower Upper

228 100

226 30.1 25.6 38.4

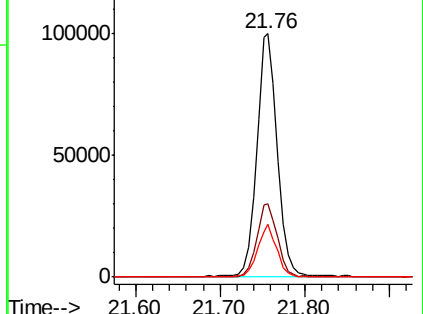
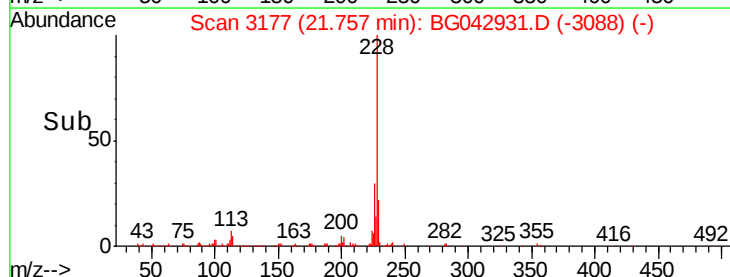
229 21.7 16.9 25.3

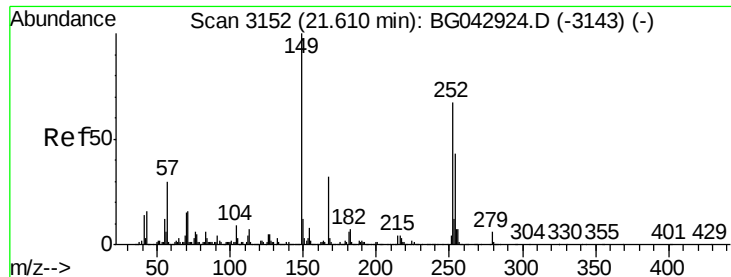


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.297 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

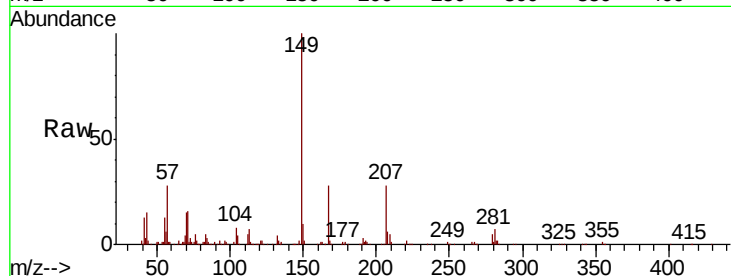
Tot Ion:149 Resp: 137896

Ion Ratio Lower Upper

149 100

167 28.5 25.4 38.2

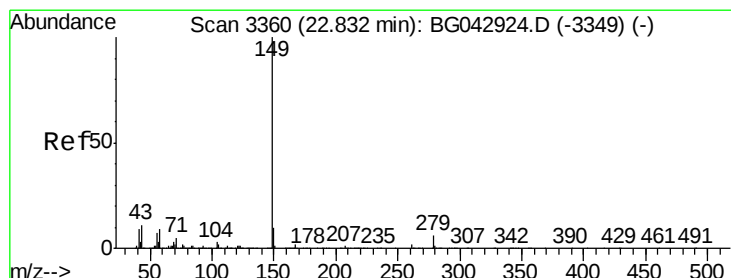
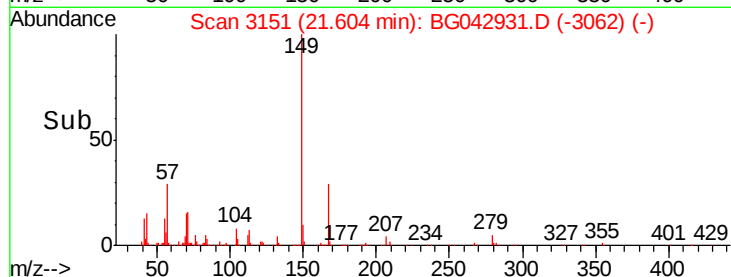
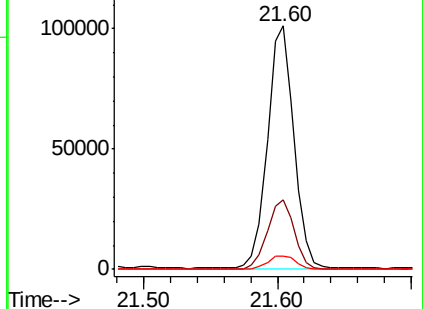
279 5.3 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 23.958 ng

RT: 22.82 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

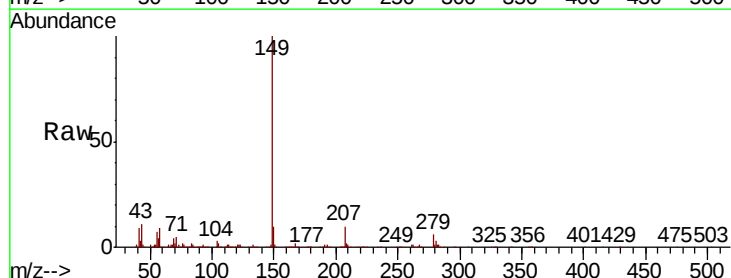
Tgt Ion:149 Resp: 524661

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

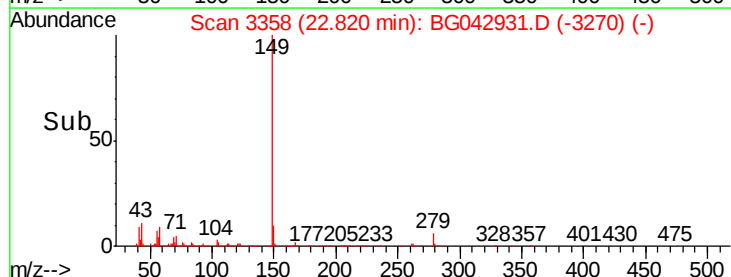
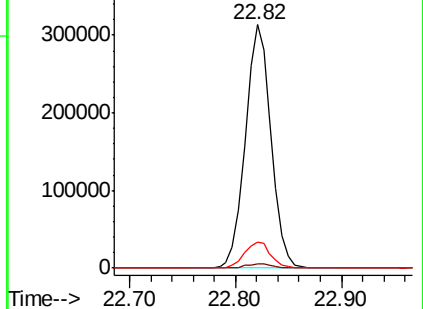
43 10.9 8.7 13.1

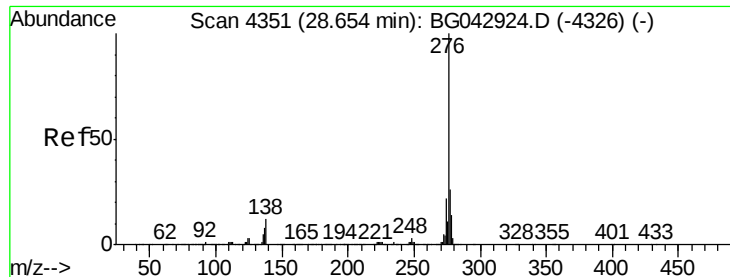


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

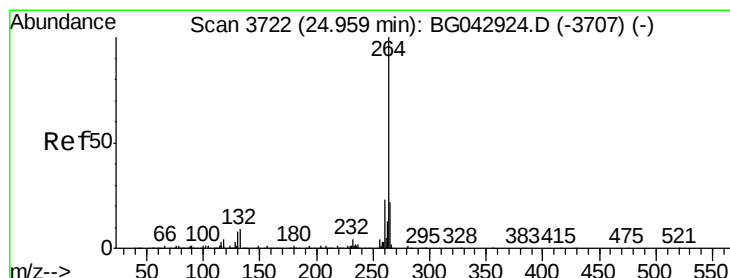
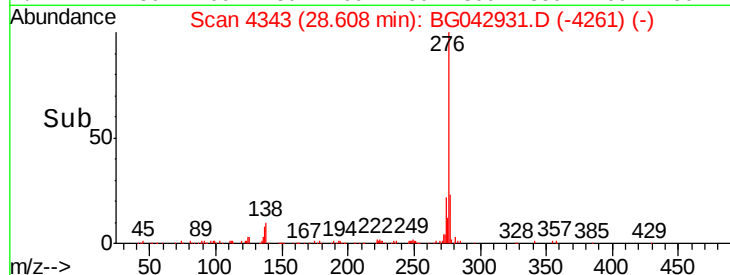
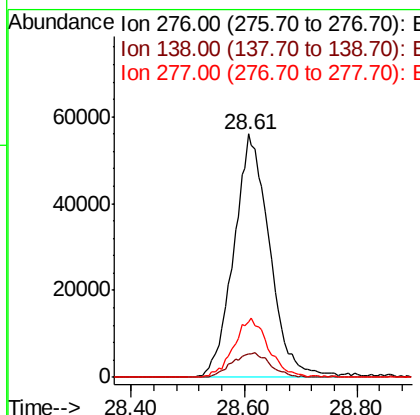
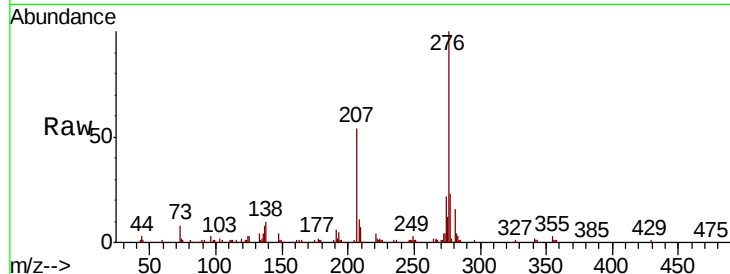




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.888 ng
 RT: 28.61 min Scan# 4343
 Delta R.T. -0.05 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

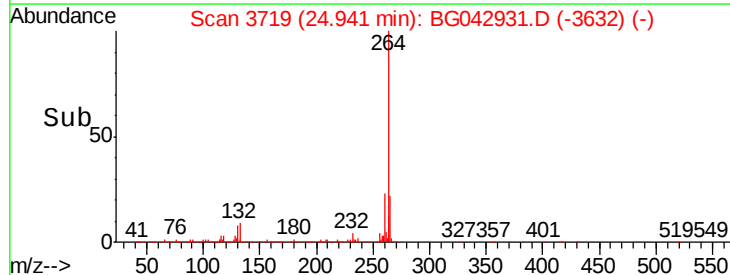
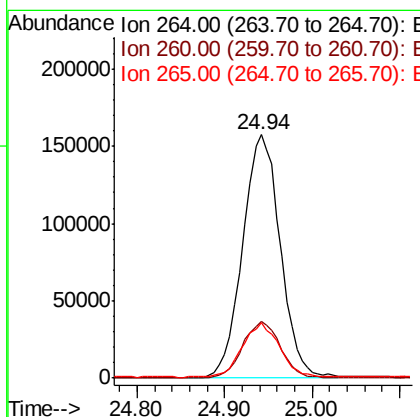
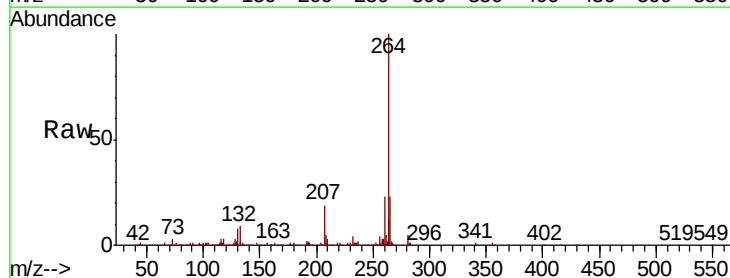
Instrument :
 BNA_G
 ClientSampleId :

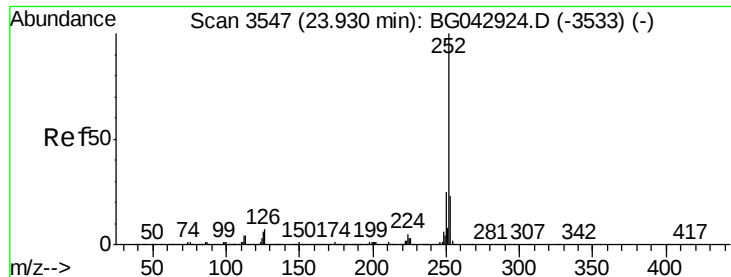
Tot Ion:276 Resp: 246682
 Ion Ratio Lower Upper
 276 100
 138 10.7 7.0 10.6#
 277 23.4 20.9 31.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.94 min Scan# 3719
 Delta R.T. -0.02 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Tgt Ion:264 Resp: 460940
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 22.6 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 20.505 ng

RT: 23.98 min Scan# 3556

Delta R.T. 0.05 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

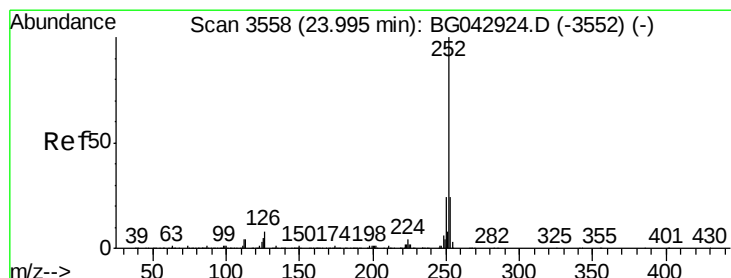
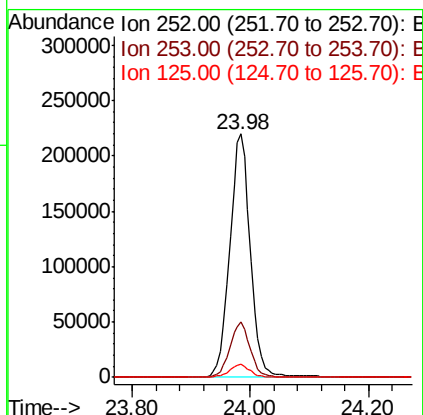
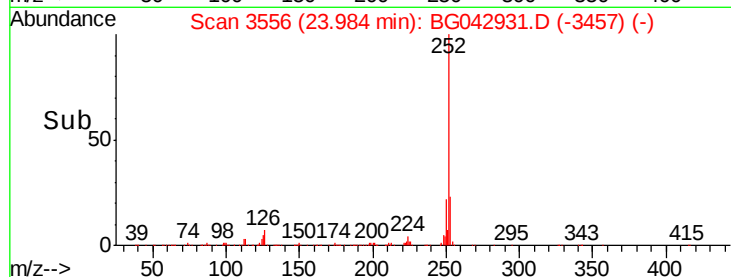
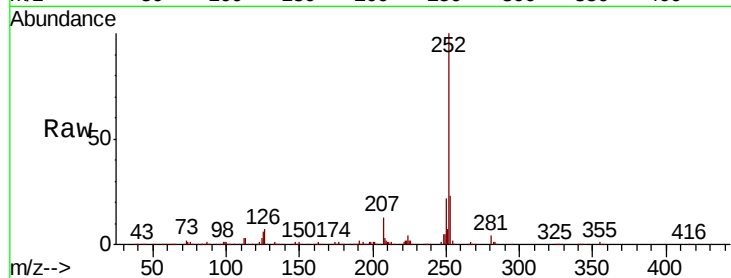
Tot Ion:252 Resp: 534794

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 5.6 4.6 7.0



#89

Benzo(k)fluoranthene

Concen: 20.727 ng

RT: 23.98 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BG042931.D

Acq: 25 Sep 2019 17:33

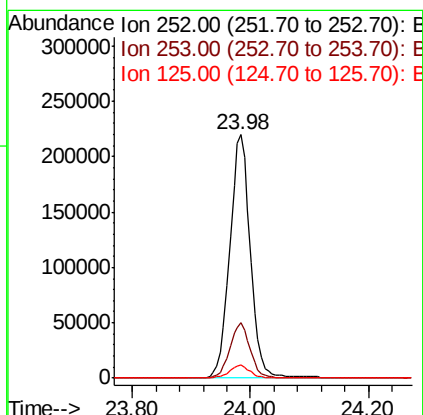
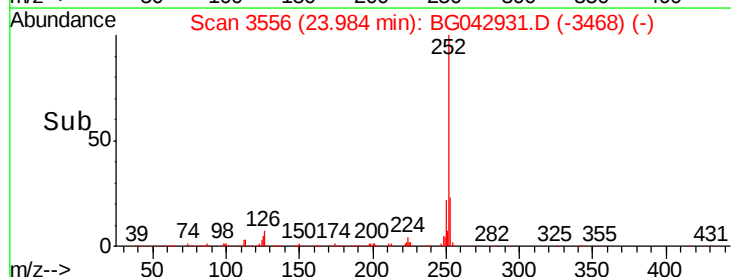
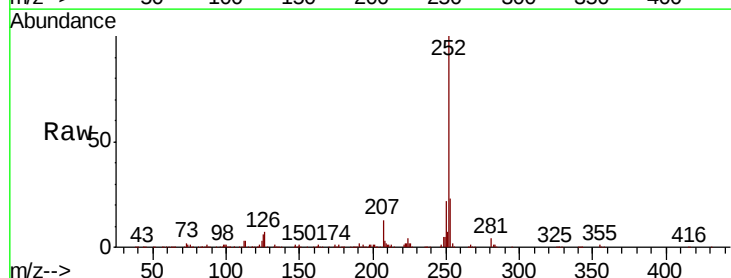
Tgt Ion:252 Resp: 534794

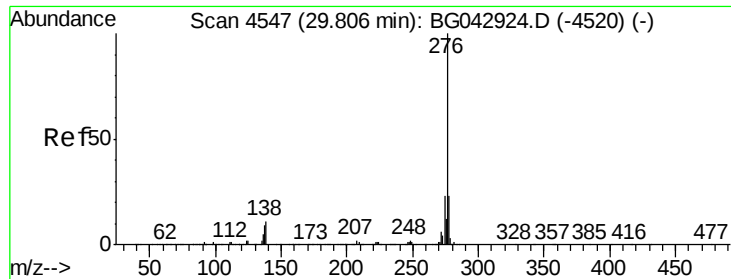
Ion Ratio Lower Upper

252 100

253 22.8 18.9 28.3

125 5.6 4.5 6.7

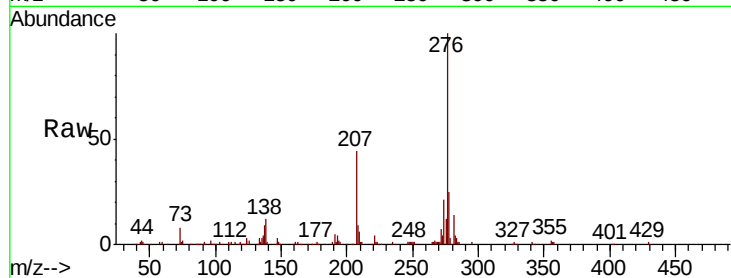




#92
 Benzo(a,h,i)perylene
 Concen: 13.805 ng
 RT: 29.77 min Scan# 4541
 Delta R.T. -0.03 min
 Lab File: BG042931.D
 Acq: 25 Sep 2019 17:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	11.8	8.6	12.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

