

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
 Data File : BG043342.D
 Acq On : 25 Oct 2019 16:45
 Operator : JU
 Sample : K5145-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Quant Time: Oct 25 17:42:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37696	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	128767	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	101794	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	255293	20.00	ng	0.00
76) Chrysene-d12	21.66	240	293422	20.00	ng	0.00
87) Perylene-d12	24.87	264	340849	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	288517	140.25	ng	0.01
7) Phenol-d6	7.22	99	396126	133.84	ng	0.01
23) Nitrobenzene-d5	9.19	82	239937	96.06	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	277389	143.19	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	676844	91.88	ng	0.00
79) Terphenyl-d14	20.01	244	1510685	96.59	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	4.10	79	66	0.033	ng	# 1
4) n-Nitrosodimethylamine	3.86	42	434	0.425	ng	# 1
6) Aniline	7.47	93	220	0.065	ng	# 40
9) Benzaldehyde	7.21	77	764	0.525	ng	# 7
10) Phenol	7.24	94	2757	1.019	ng	# 1
11) bis(2-Chloroethyl)ether	7.47	93	220	0.105	ng	# 21
15) Benzyl Alcohol	8.34	79	4103	1.974	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	8.56	45	435	0.143	ng	# 67
22) Acetophenone	8.36	105	55	0.017	ng	# 16
24) Nitrobenzene	9.25	77	56	0.024	ng	# 41
25) Isophorone	9.72	82	395	0.087	ng	# 65
27) 2,4-Dimethylphenol	10.51	122	65	0.039	ng	# 1
30) 1,2,4-Trichlorobenzene	10.19	180	84	0.032	ng	# 11
31) Naphthalene	10.90	128	243	0.037	ng	# 68
35) Caprolactam	11.75	113	98	0.135	ng	# 1
36) 4-Chloro-3-methylphenol	12.05	107	72	0.031	ng	# 20
37) 2-Methylnaphthalene	12.71	142	214	0.043	ng	# 15
38) 1-Methylnaphthalene	12.71	142	214	0.045	ng	# 8
46) 1,1'-Biphenyl	13.49	154	806	0.104	ng	# 36
48) 2-Nitroaniline	13.85	65	63	0.036	ng	# 6
50) Dimethylphthalate	14.10	163	39313	4.986	ng	# 98
52) Acenaphthene	14.71	154	63	0.011	ng	# 4
55) Dibenzofuran	15.08	168	63	0.007	ng	# 43
56) 4-Nitrophenol	14.94	139	65	0.059	ng	# 2
58) Fluorene	16.14	166	7996	1.051	ng	# 90
60) Diethylphthalate	15.46	149	1571	0.198	ng	# 83
63) Azobenzene	16.14	77	1236	0.193	ng	# 41
65) 4,6-Dinitro-2-methylphenol	16.14	198	612	0.407	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	7633	1.059	ng	# 47
68) Hexachlorobenzene	17.03	284	54	0.014	ng	# 46
70) Pentachlorophenol	17.22	266	79	0.044	ng	# 20
71) Phenanthrene	17.44	178	569	0.044	ng	# 59
72) Anthracene	17.52	178	164	0.013	ng	# 60
73) Carbazole	18.28	167	59	0.005	ng	# 58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

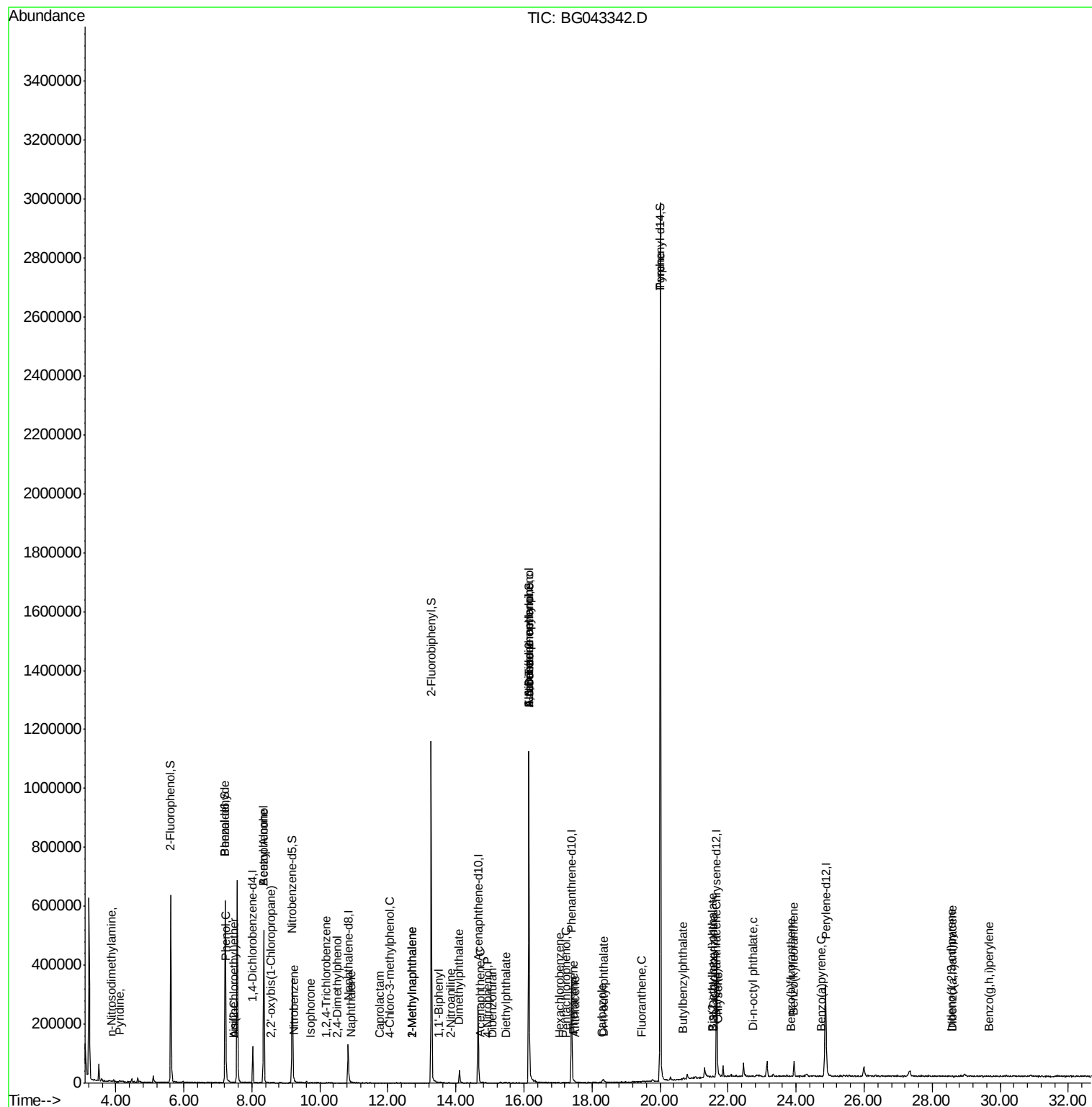
74) Di-n-butylphthalate	18.36	149	1255	0.087	ng	# 77
75) Fluoranthene	19.45	202	149	0.009	ng	65
78) Pyrene	20.01	202	5534	0.305	ng	# 54
80) Butylbenzylphthalate	20.69	149	204	0.030	ng	# 25
81) Benzo(a)anthracene	21.63	228	147	0.008	ng	# 50
82) 3,3'-Dichlorobenzidine	21.58	252	216	0.030	ng	# 23
83) Chrysene	21.70	228	165	0.009	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.55	149	1573	0.161	ng	# 90
85) Di-n-octyl phthalate	22.74	149	441	0.027	ng	# 75
86) Indeno(1,2,3-cd)pyrene	28.57	276	72	0.003	ng	# 56
88) Benzo(b)fluoranthene	23.85	252	183	0.009	ng	# 60
89) Benzo(k)fluoranthene	23.94	252	72	0.004	ng	# 1
90) Benzo(a)pyrene	24.74	252	161	0.009	ng	# 61
91) Dibenzo(a,h)anthracene	28.58	278	119	0.006	ng	# 58
92) Benzo(a,h,i)perylene	29.67	276	53	0.003	ng	# 58

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

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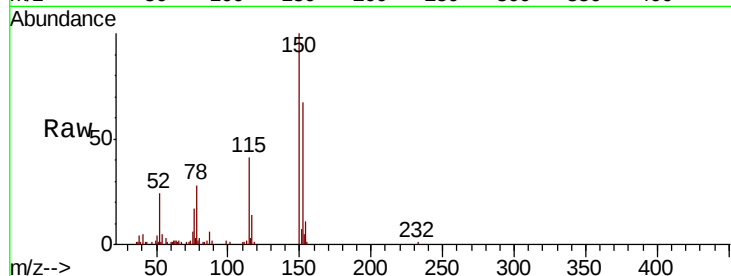


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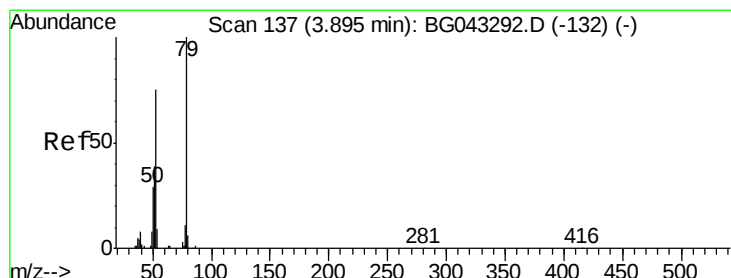
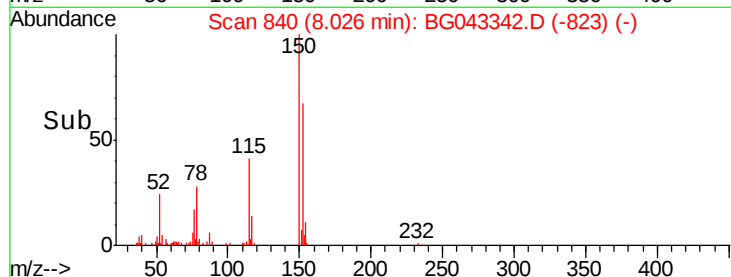
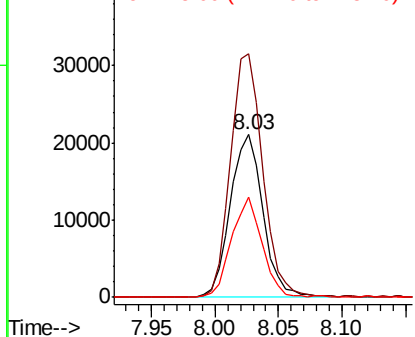
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion:152 Resp: 37696
Ion Ratio Lower Upper
152 100
150 149.8 113.6 170.4
115 61.9 45.9 68.9



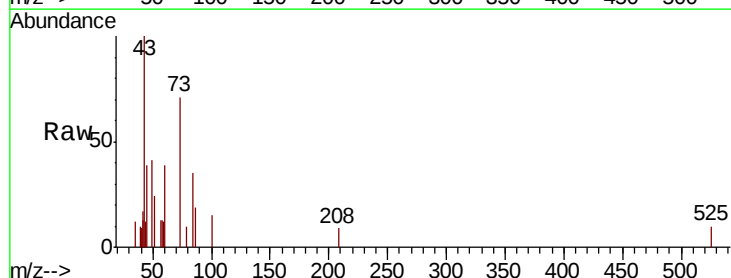
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



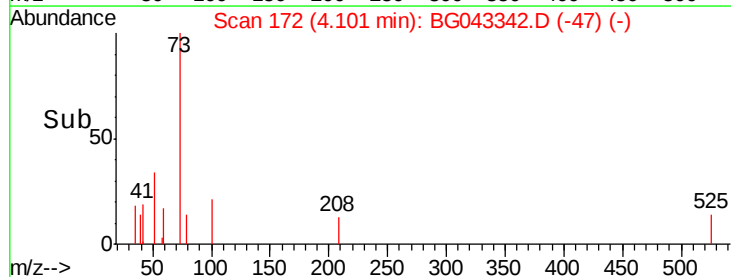
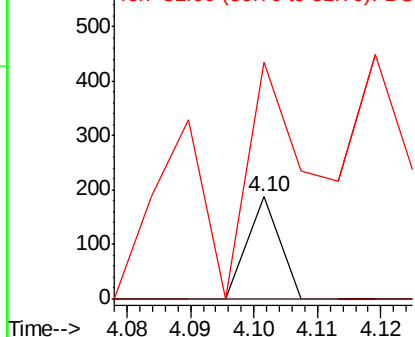
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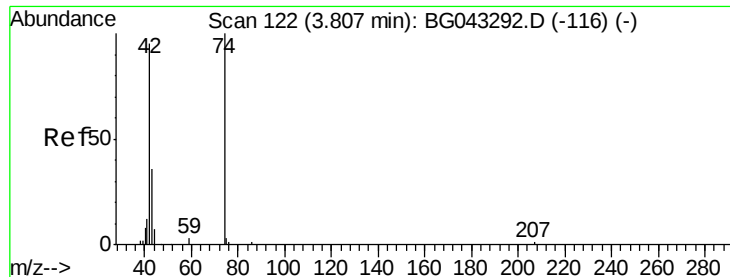
Pyridine
Concen: 0.033 ng
RT: 4.10 min Scan# 172
Delta R.T. 0.21 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion: 79 Resp: 66
Ion Ratio Lower Upper
79 100
52 0.0 59.7 89.5#
51 233.9 31.8 47.6#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



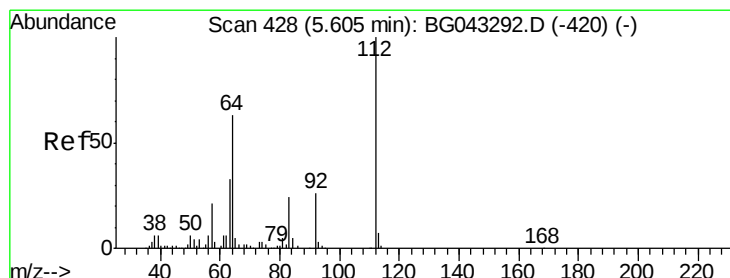
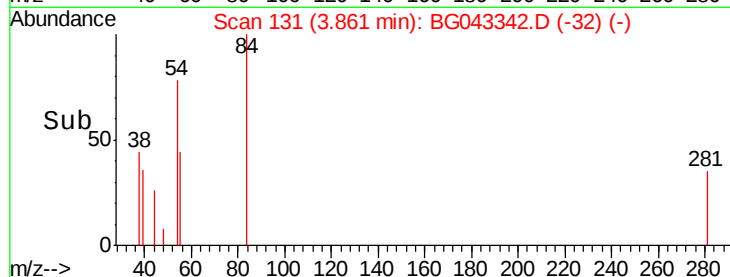
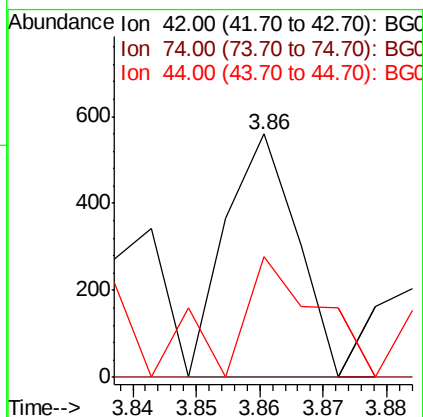
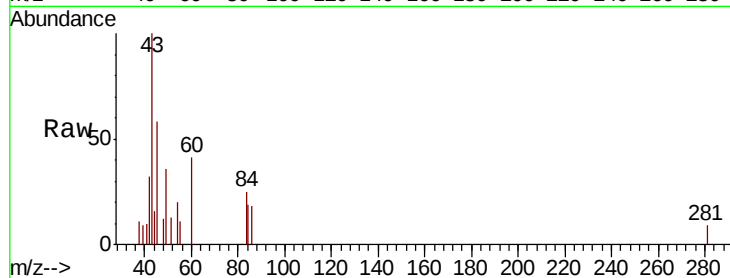


#4

n-Nitrosodimethylamine
 Concen: 0.425 ng
 RT: 3.86 min Scan# 131
 Delta R.T. 0.05 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Instrument :
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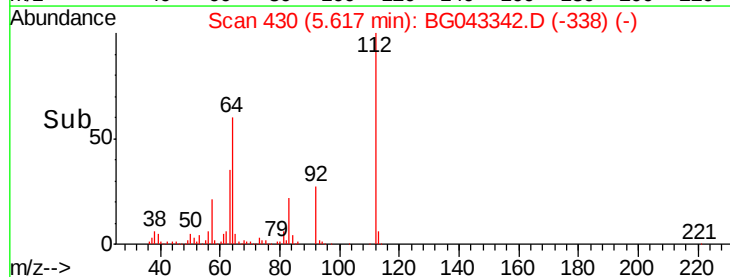
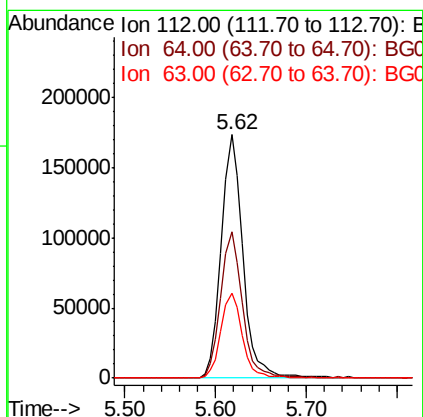
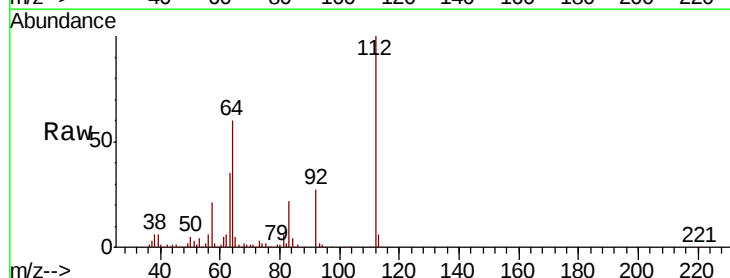
Tot Ion: 42 Resp: 434
 Ion Ratio Lower Upper
 42 100
 74 0.0 84.2 126.2#
 44 49.5 6.0 9.0#

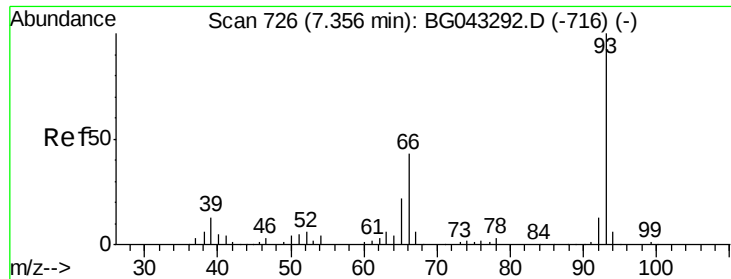


#5

2-Fluorophenol
 Concen: 140.252 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion: 112 Resp: 288517
 Ion Ratio Lower Upper
 112 100
 64 60.2 50.2 75.2
 63 35.0 26.7 40.1





#6

Aniline

Concen: 0.065 ng

RT: 7.47 min Scan# 746

Delta R.T. 0.12 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

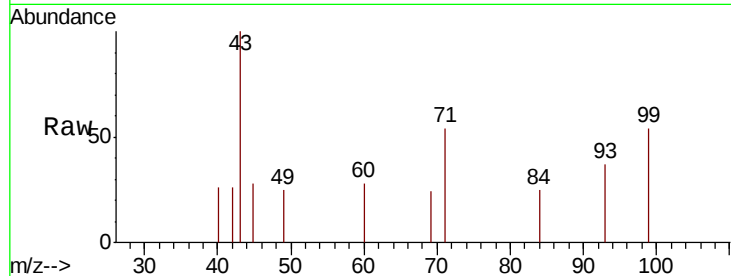
Tot Ion: 93 Resp: 220

Ion Ratio Lower Upper

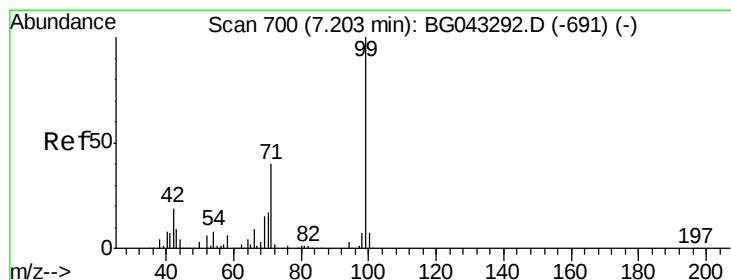
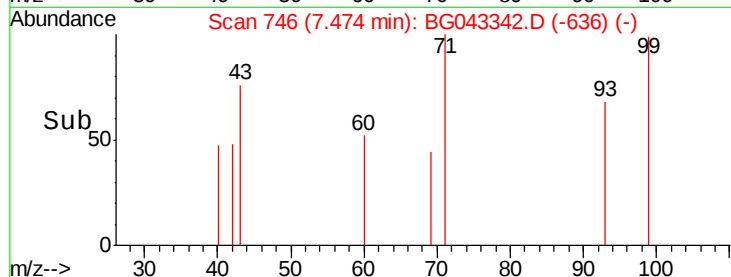
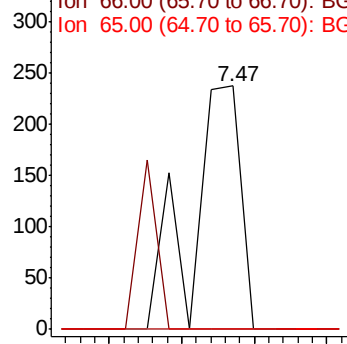
93 100

66 0.0 34.5 51.7#

65 0.0 18.0 27.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 133.838 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

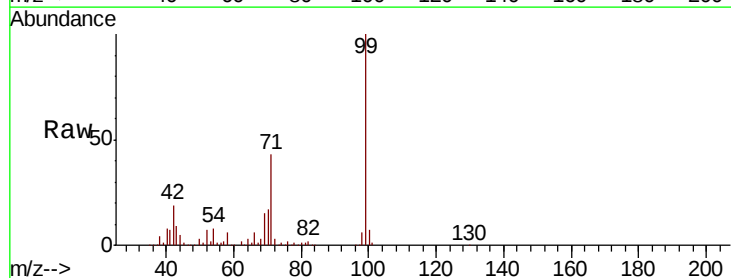
Tgt Ion: 99 Resp: 396126

Ion Ratio Lower Upper

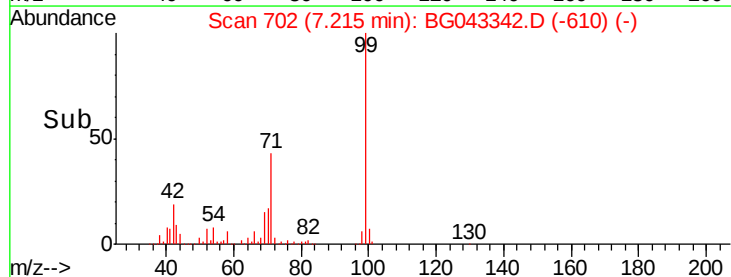
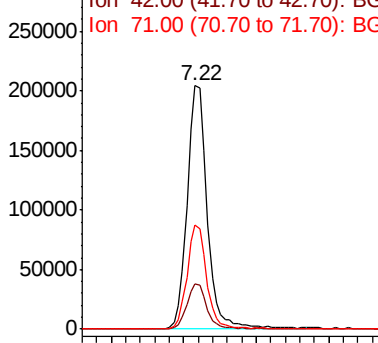
99 100

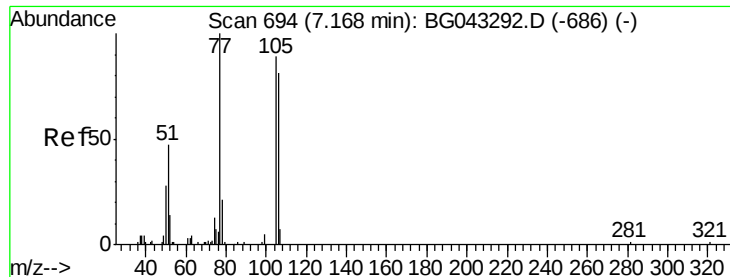
42 18.8 14.9 22.3

71 42.7 32.2 48.2



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





#9

Benzaldehyd

Concen: 0.525 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.04 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

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HD-02-102319

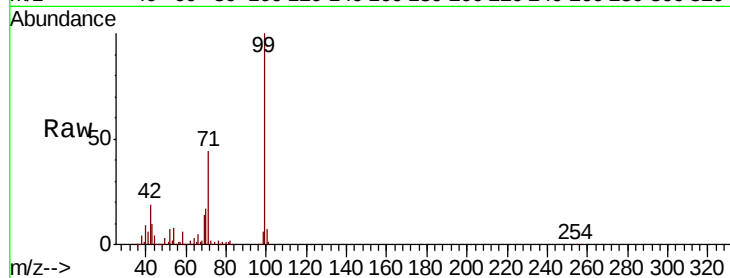
Tot Ion: 77 Resp: 764

Ion Ratio Lower Upper

77 100

105 0.0 68.7 108.7#

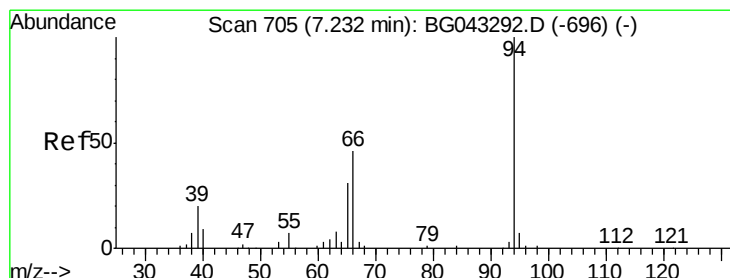
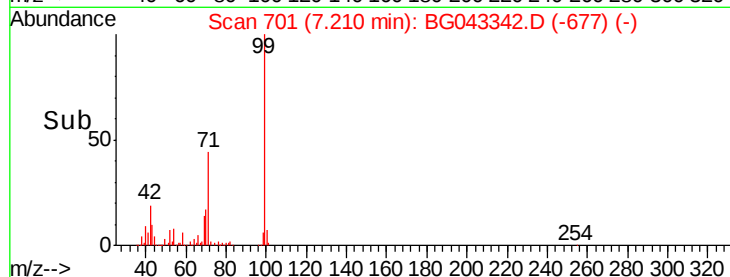
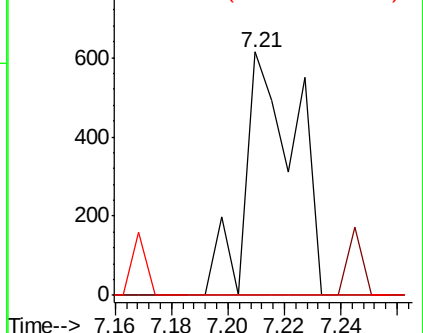
106 0.0 60.5 100.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 1.019 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

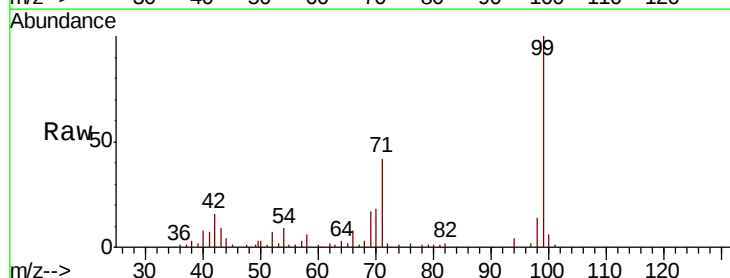
Tgt Ion: 94 Resp: 2757

Ion Ratio Lower Upper

94 100

65 66.6 11.1 51.1#

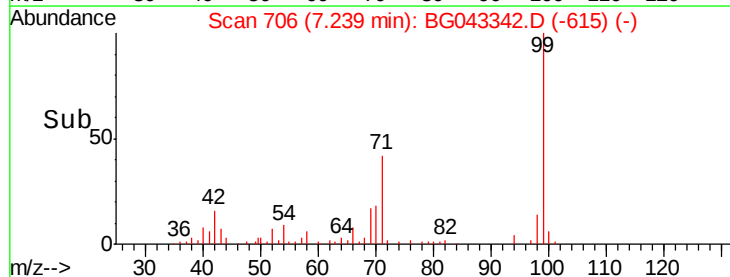
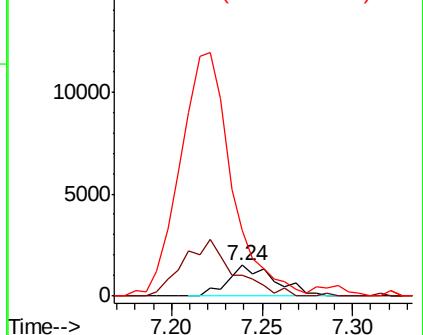
66 212.1 27.8 67.8#

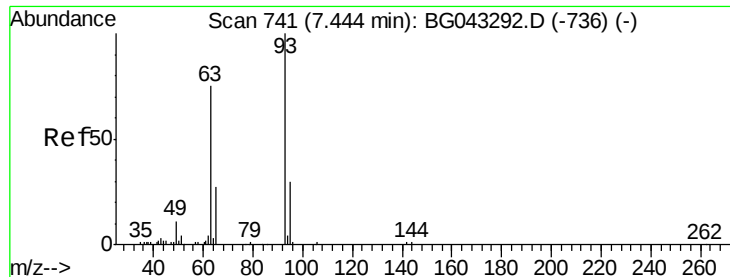


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

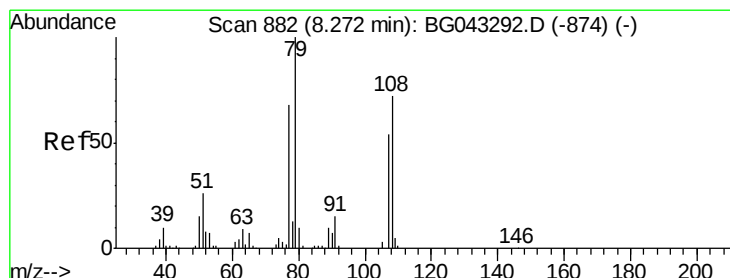
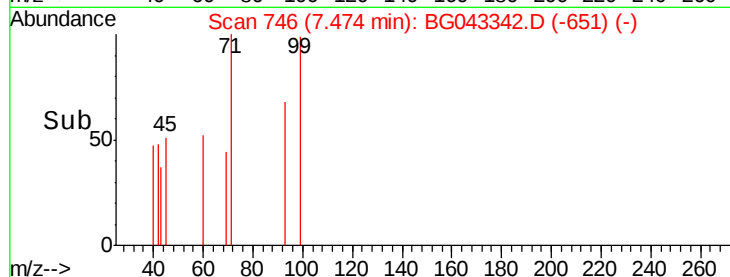
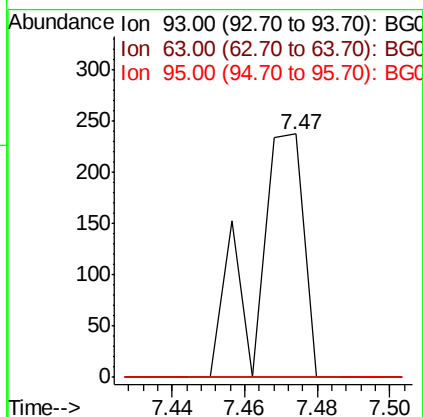
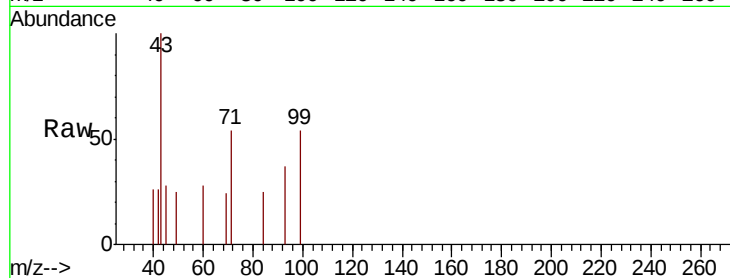




#11
bis(2-Chloroethyl)ether
Concen: 0.105 ng
RT: 7.47 min Scan# 746
Delta R.T. 0.03 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

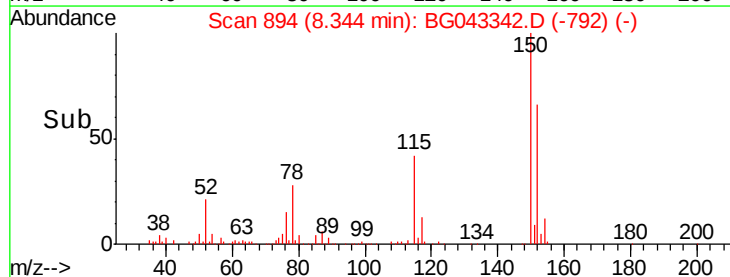
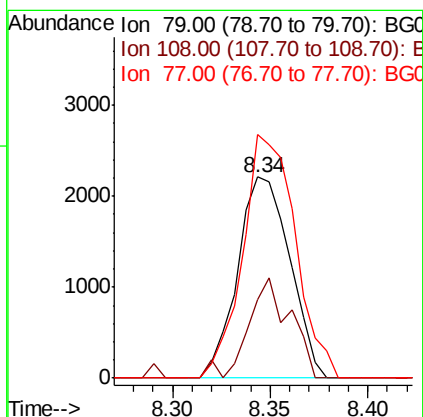
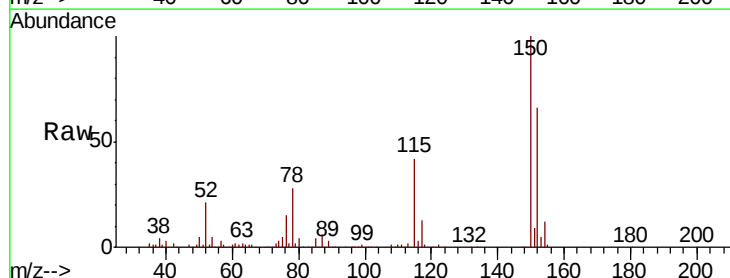
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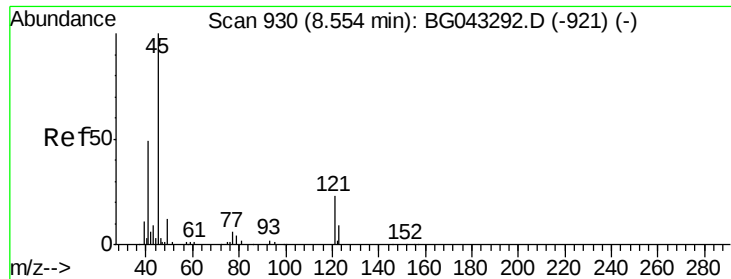
Tot Ion: 93 Resp: 220
Ion Ratio Lower Upper
93 100
63 0.0 54.6 94.6#
95 0.0 9.7 49.7#



#15
Benzyl Alcohol
Concen: 1.974 ng
RT: 8.34 min Scan# 894
Delta R.T. 0.07 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion: 79 Resp: 4103
Ion Ratio Lower Upper
79 100
108 38.9 57.3 85.9#
77 121.1 54.6 81.8#

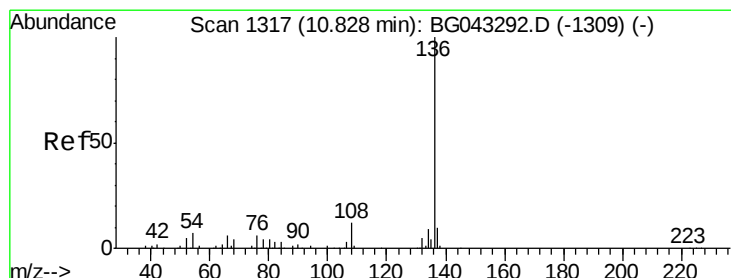
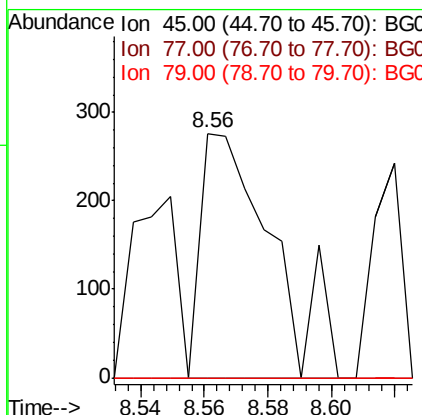
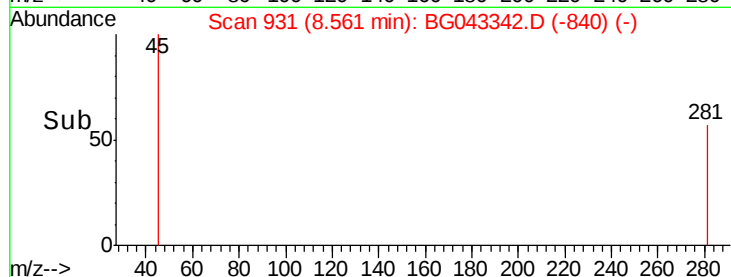
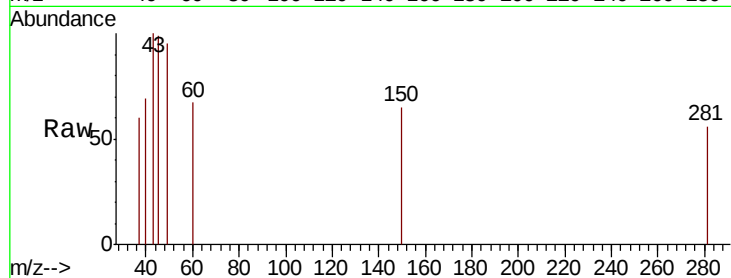




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 0.143 ng
 RT: 8.56 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

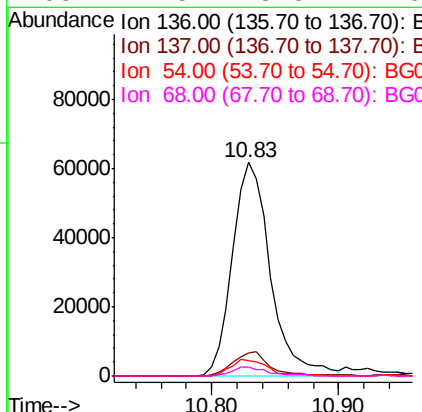
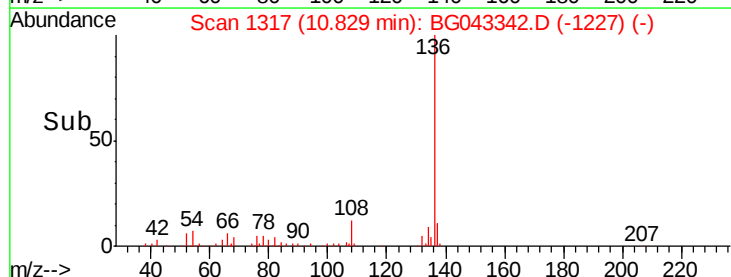
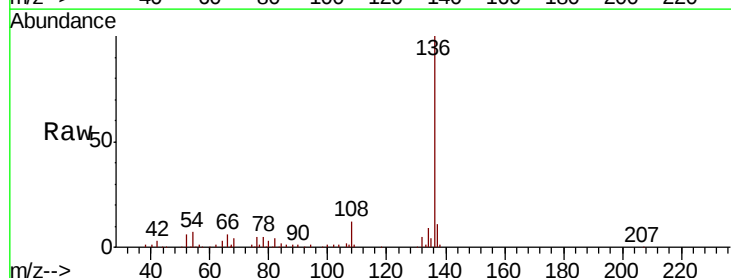
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

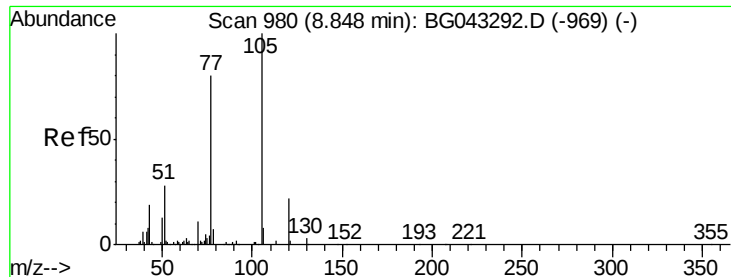
Tot Ion: 45 Resp: 435
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 34.2
 79 0.0 0.0 32.3



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion: 136 Resp: 128767
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.2 12.2
 54 7.4 5.4 8.2
 68 4.5 3.3 4.9

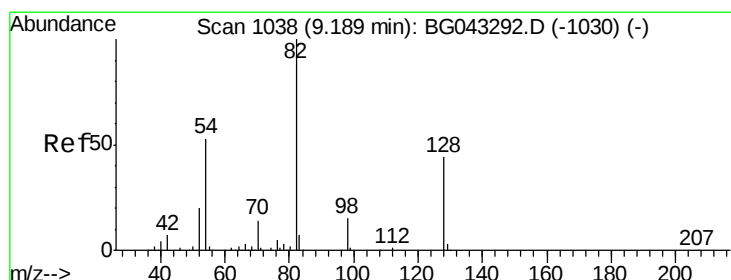
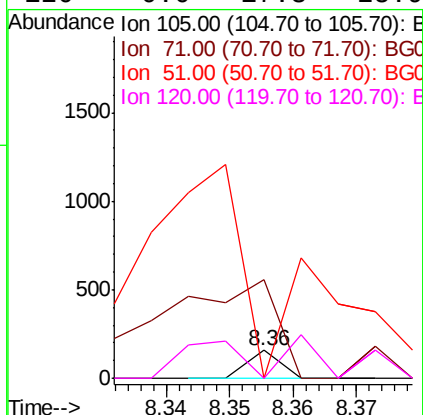
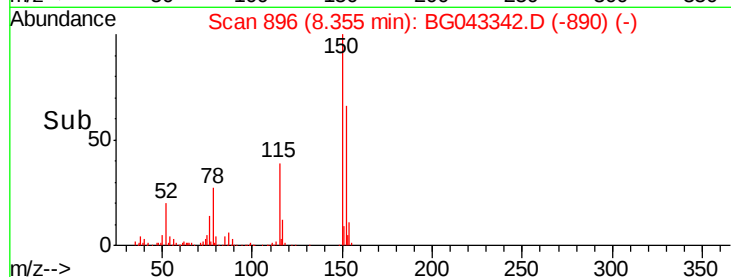
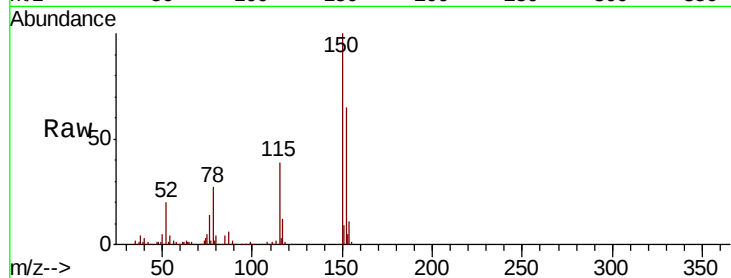




#22
Acetophenone
Concen: 0.017 ng
RT: 8.36 min Scan# 896
Delta R.T. -0.49 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

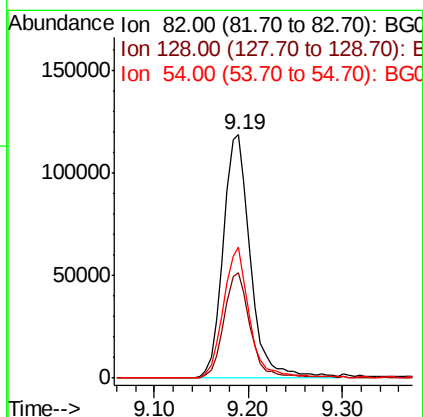
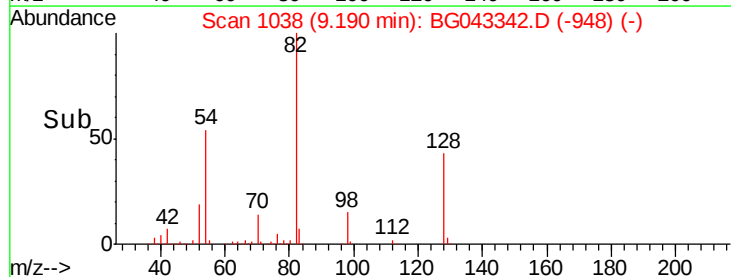
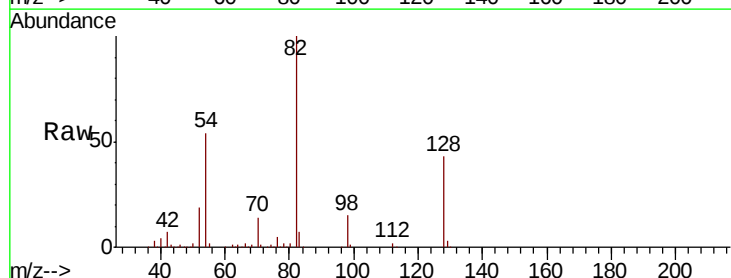
Instrument :
BNA_G
ClientSampleId :
HD-02-102319

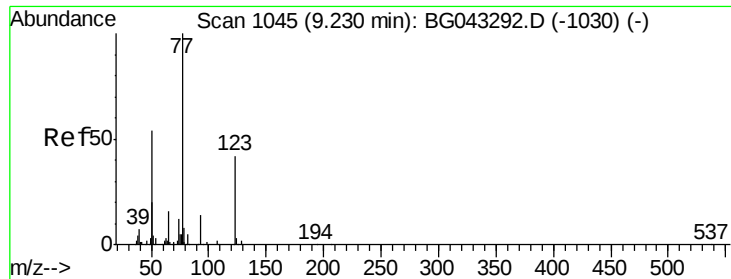
Tot Ion:105 Resp: 55
Ion Ratio Lower Upper
105 100
71 353.5 1.5 2.3#
51 0.0 23.9 35.9#
120 0.0 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 96.064 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion: 82 Resp: 239937
Ion Ratio Lower Upper
82 100
128 43.4 35.3 52.9
54 54.0 42.3 63.5

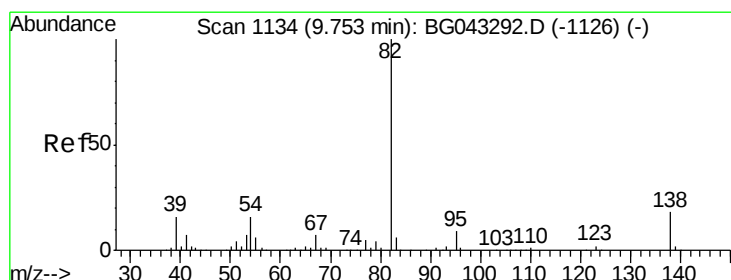
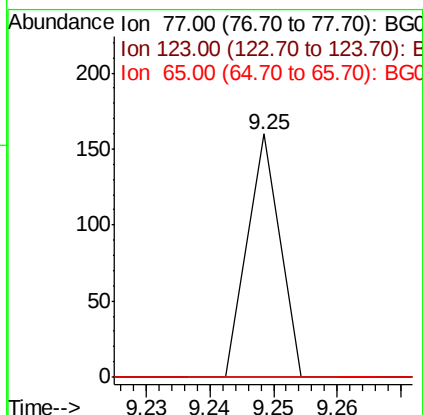
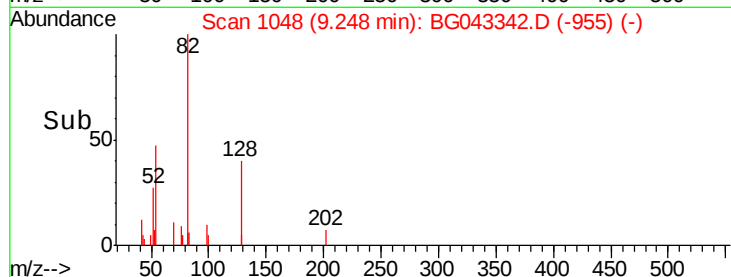
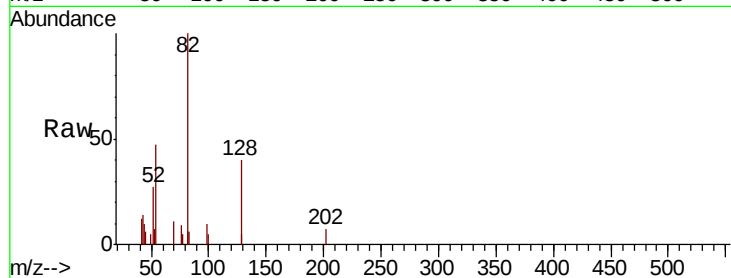




#24
Nitrobenzene
Concen: 0.024 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.02 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

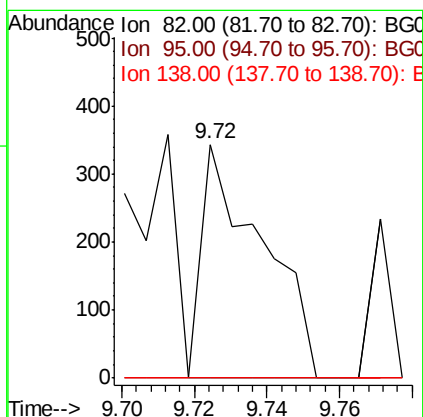
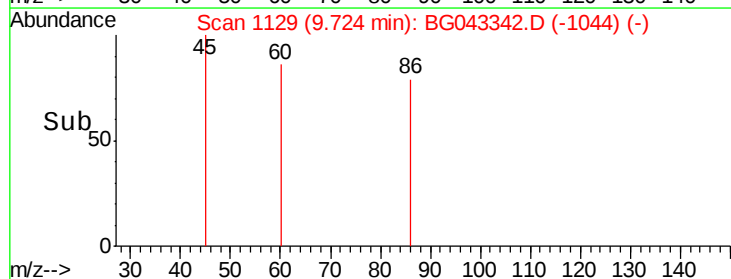
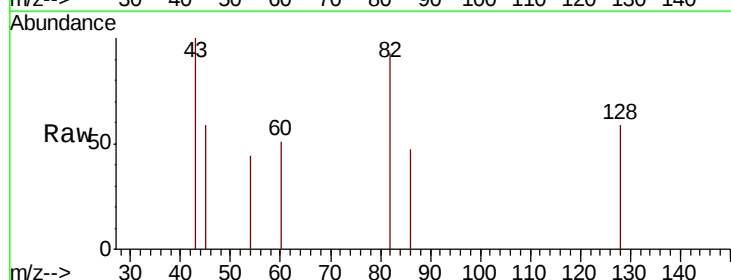
Instrument :
BNA_G
ClientSampleId :
HD-02-102319

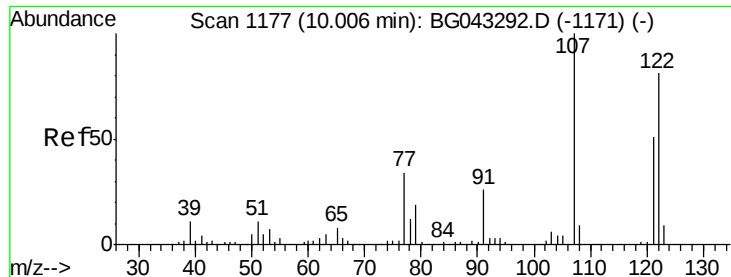
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.8	50.8#
65	0.0	13.0	19.4#



#25
Isophorone
Concen: 0.087 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.03 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.9	10.3#
138	0.0	14.2	21.2#





#27

2,4-Dimethylphenol

Concen: 0.039 ng

RT: 10.51 min Scan# 1262

Delta R.T. 0.50 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

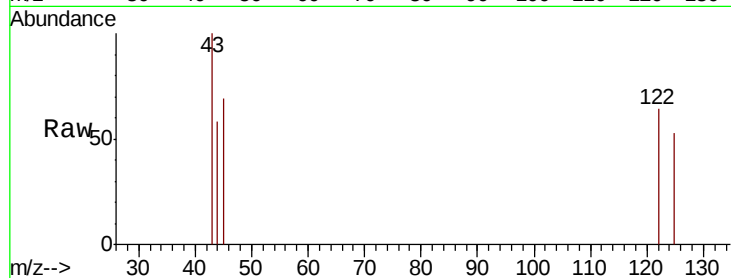
Tot Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

107 0.0 98.6 147.8#

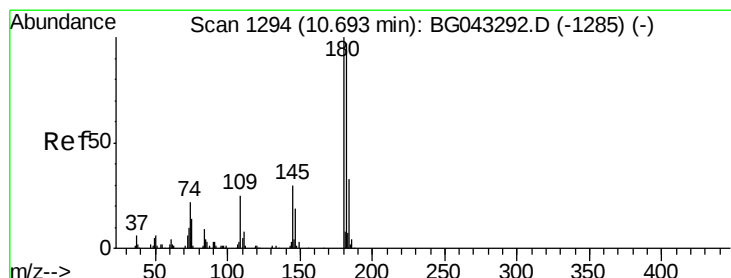
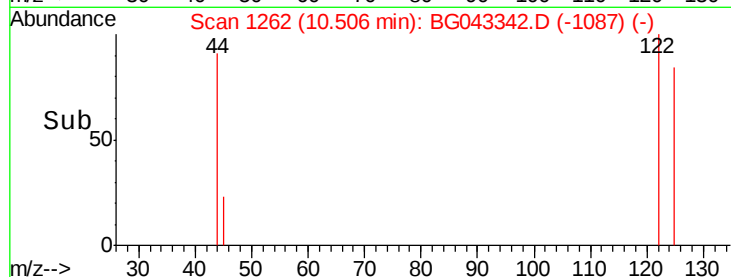
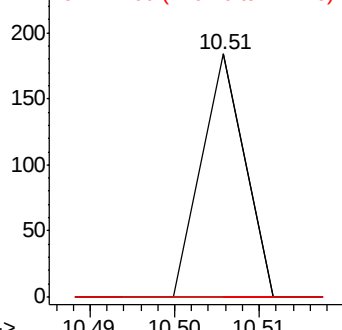
121 0.0 50.1 75.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#30

1,2,4-Trichlorobenzene

Concen: 0.032 ng

RT: 10.19 min Scan# 1208

Delta R.T. -0.50 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

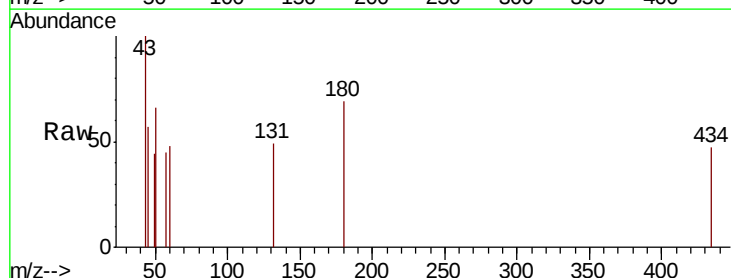
Tgt Ion:180 Resp: 84

Ion Ratio Lower Upper

180 100

182 0.0 77.8 116.8#

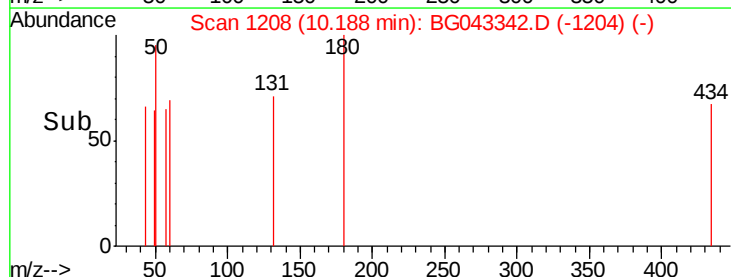
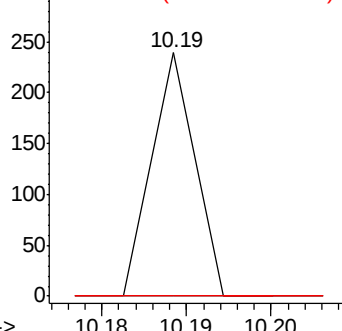
145 0.0 23.6 35.4#

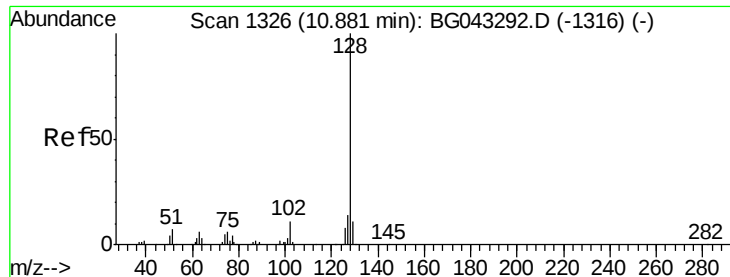


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 0.037 ng

RT: 10.90 min Scan# 1329

Delta R.T. 0.02 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

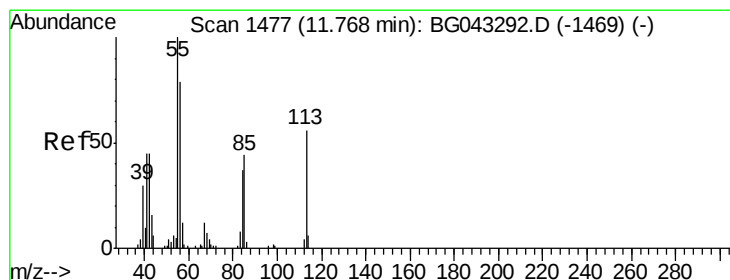
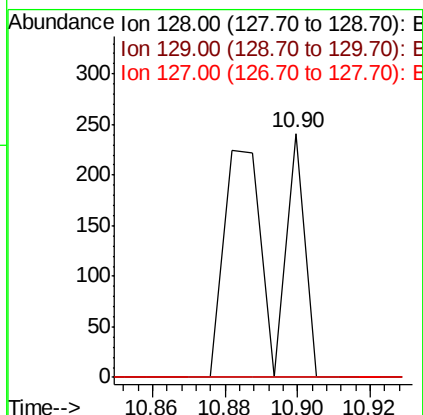
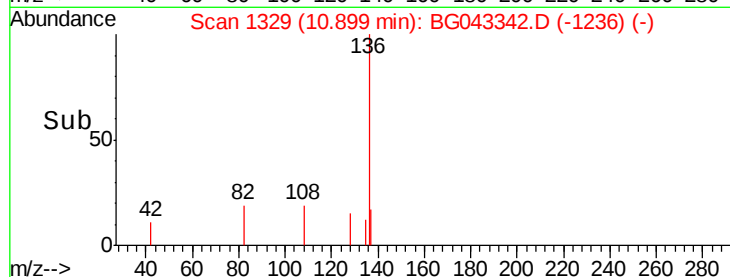
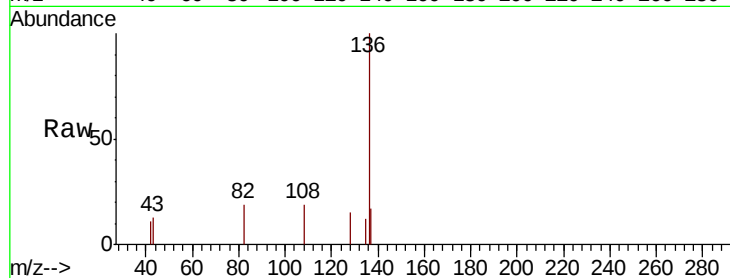
Tot Ion:128 Resp: 243

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 0.0 11.5 17.3#



#35

Caprolactam

Concen: 0.135 ng

RT: 11.75 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

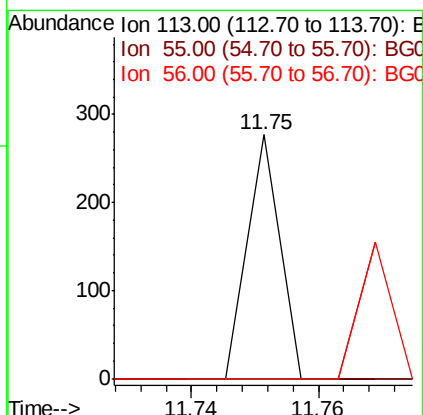
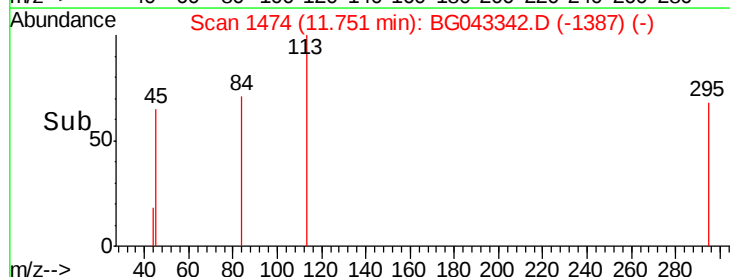
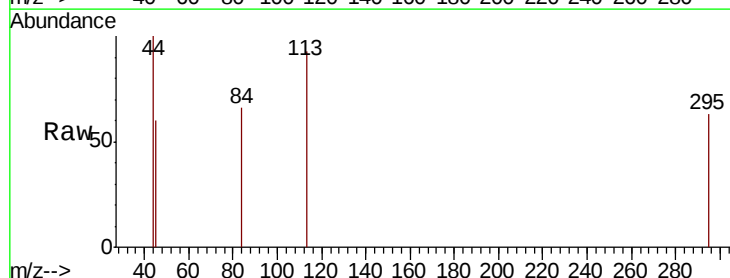
Tgt Ion:113 Resp: 98

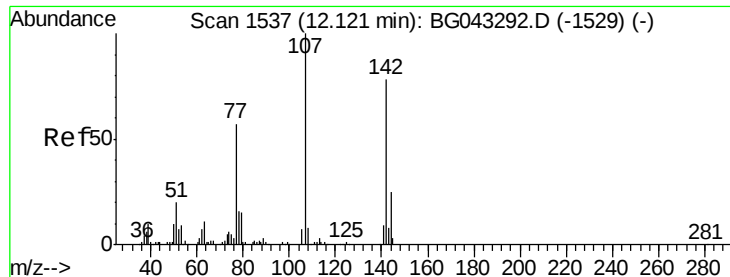
Ion Ratio Lower Upper

113 100

55 0.0 158.9 198.9#

56 0.0 121.4 161.4#





#36

4-Chloro-3-methylphenol

Concen: 0.031 ng

RT: 12.05 min Scan# 1525

Delta R.T. -0.07 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

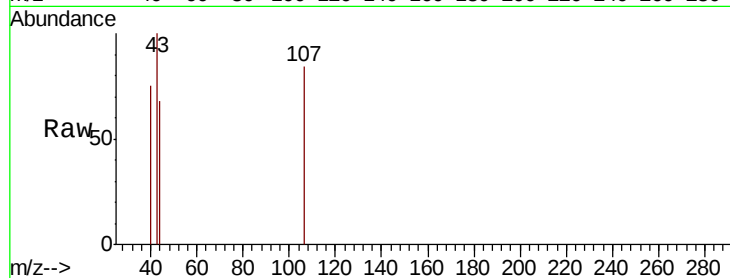
Tot Ion:107 Resp: 72

Ion Ratio Lower Upper

107 100

144 0.0 19.9 29.9#

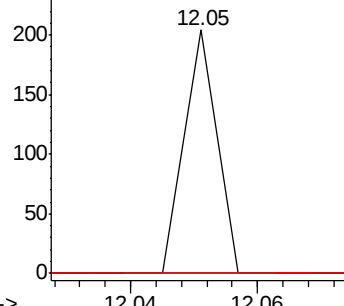
142 0.0 62.1 93.1#



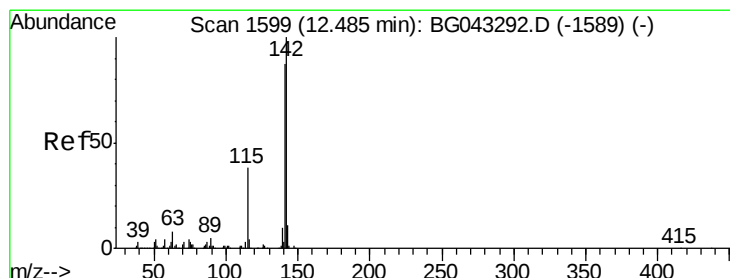
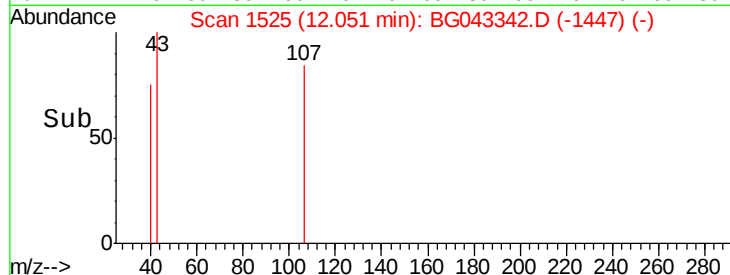
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->



#37

2-Methylnaphthalene

Concen: 0.043 ng

RT: 12.71 min Scan# 1637

Delta R.T. 0.22 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

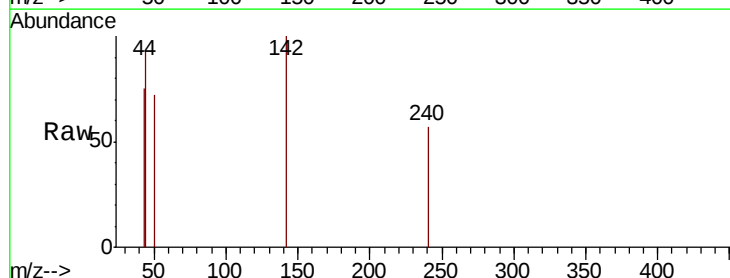
Tgt Ion:142 Resp: 214

Ion Ratio Lower Upper

142 100

141 0.0 69.7 104.5#

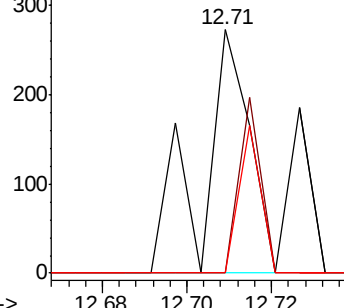
115 0.0 30.6 46.0#



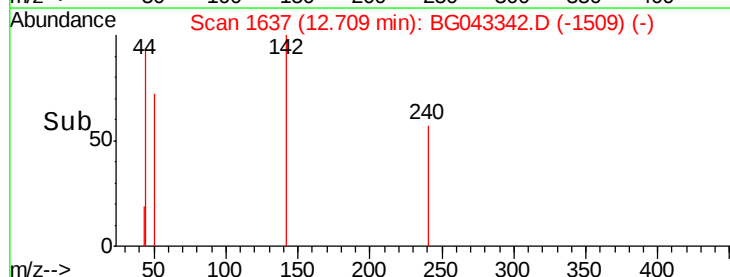
Abundance Ion 142.00 (141.70 to 142.70): E

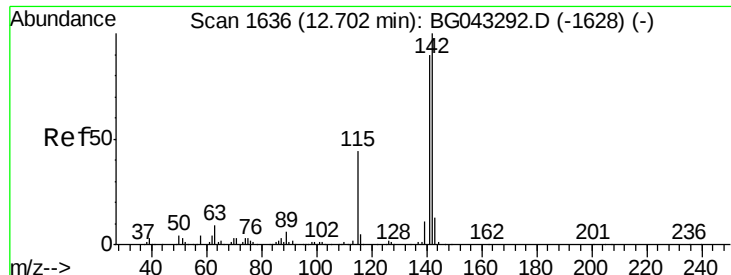
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->

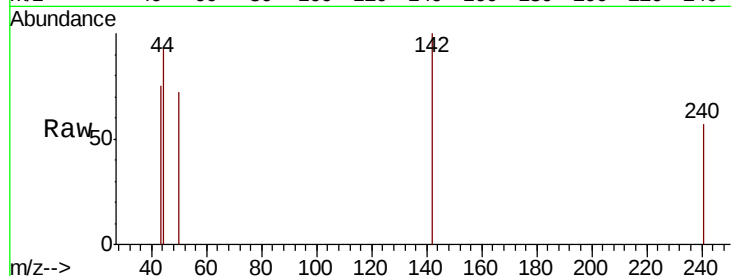




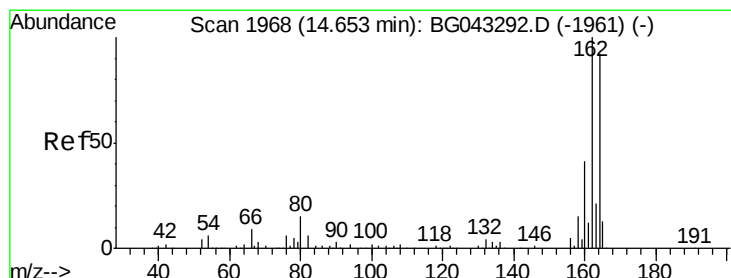
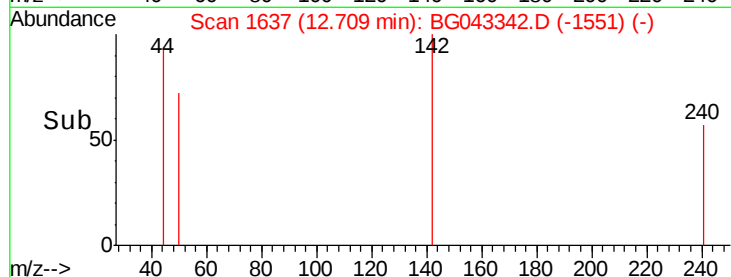
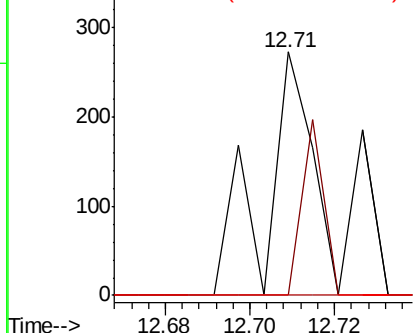
#38
1-Methylnaphthalene
Concen: 0.045 ng
RT: 12.71 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
141 0.0 72.3 108.5#
116 0.0 3.8 5.6#

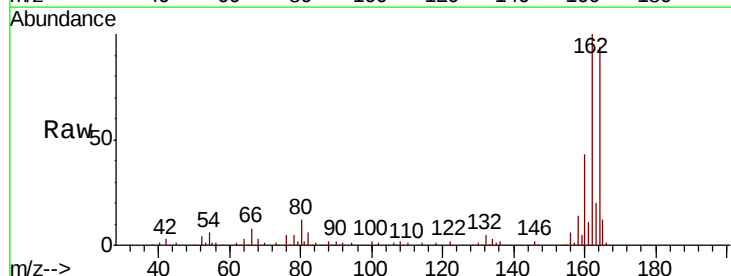


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

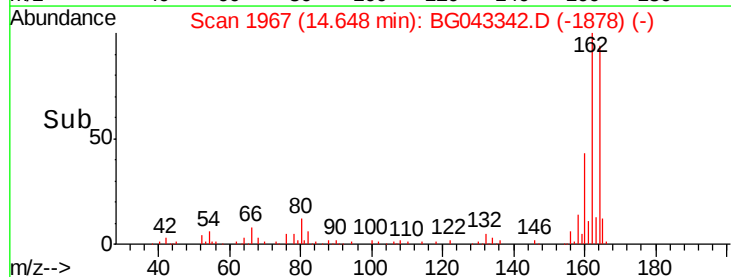
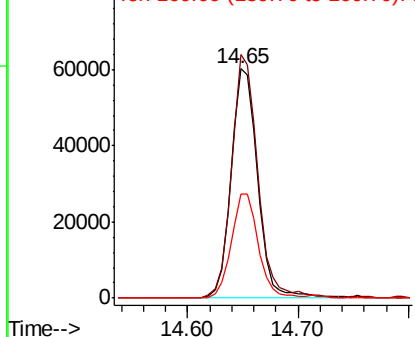


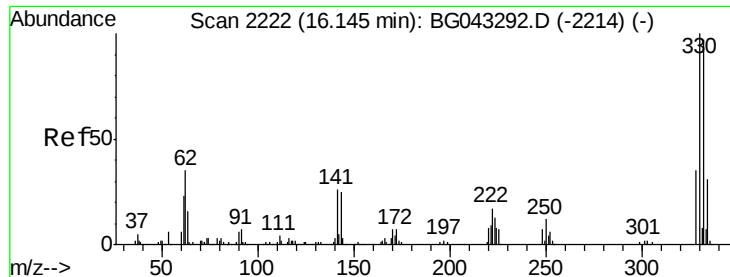
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion:164 Resp: 101794
Ion Ratio Lower Upper
164 100
162 106.2 87.0 130.4
160 45.6 35.5 53.3



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

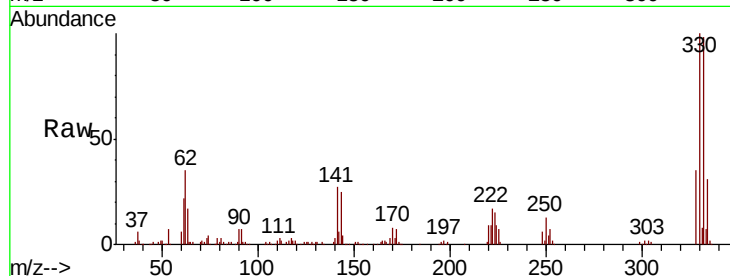




#42
 2,4,6-Tribromophenol
 Concen: 143.195 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

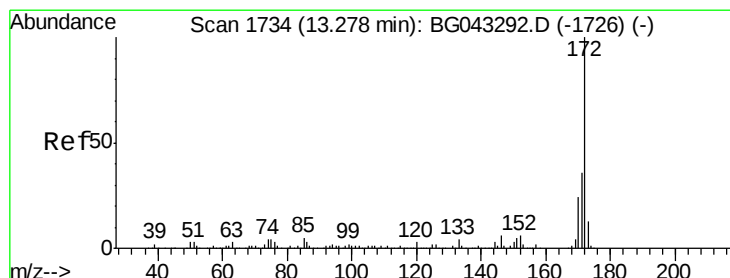
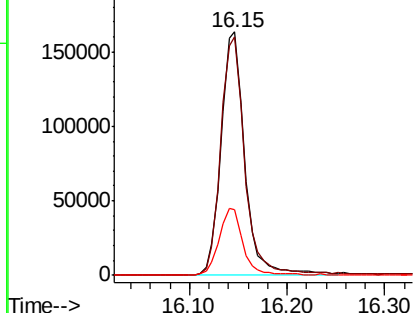
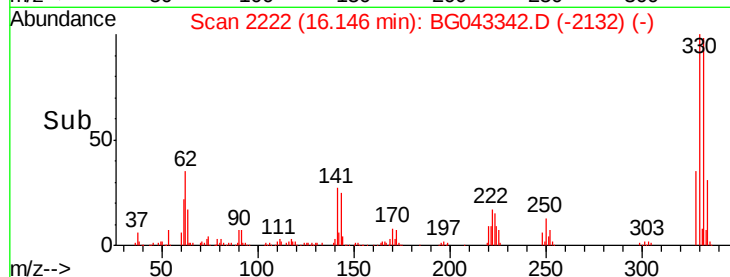
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.4	114.6
141	28.1	21.4	32.0



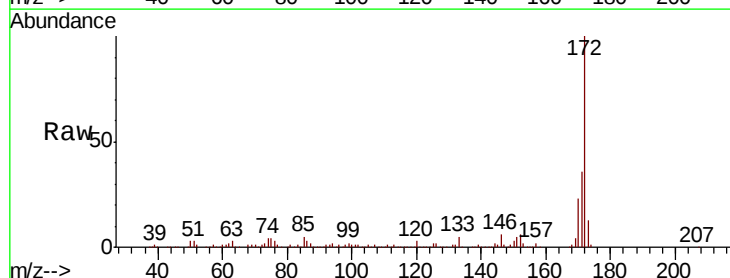
Abundance

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



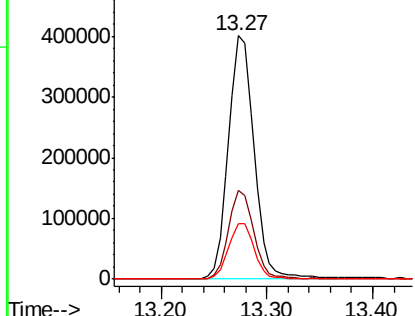
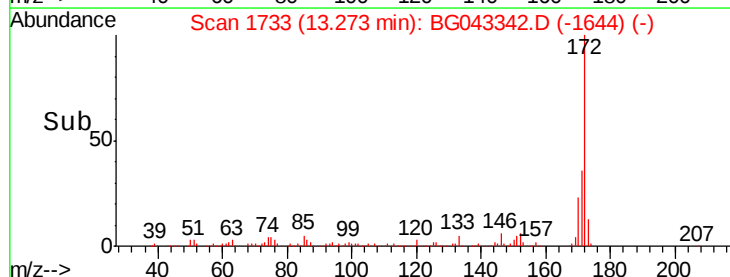
#45
 2-Fluorobiphenyl
 Concen: 91.878 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

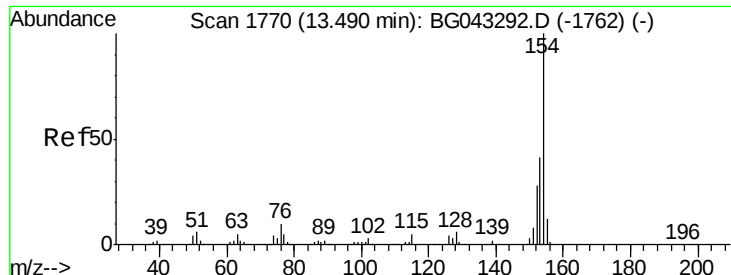
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.5	42.7
170	22.9	18.8	28.2



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

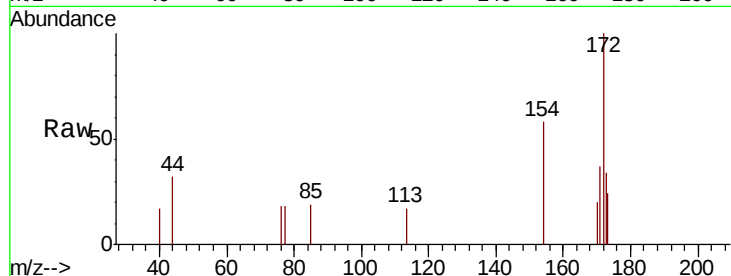




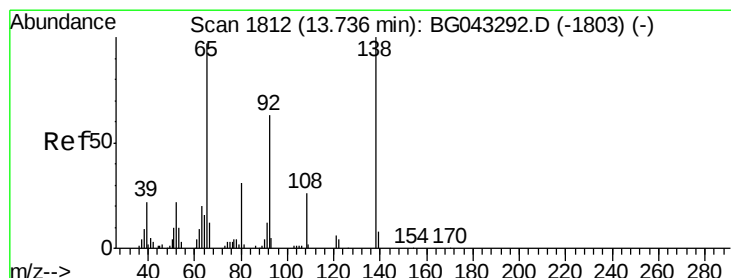
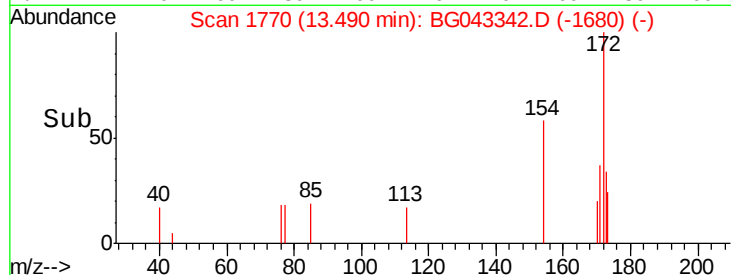
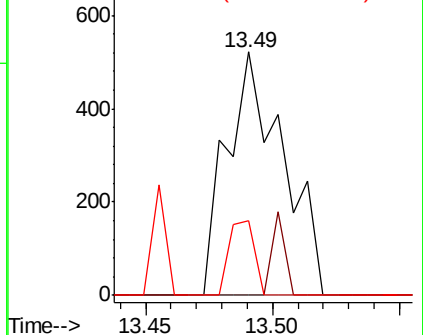
#46
1,1'-Biphenyl
Concen: 0.104 ng
RT: 13.49 min Scan# 1770
Delta R.T. 0.00 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion:154 Resp: 806
Ion Ratio Lower Upper
154 100
153 0.0 21.0 61.0#
76 30.7 0.0 29.8#

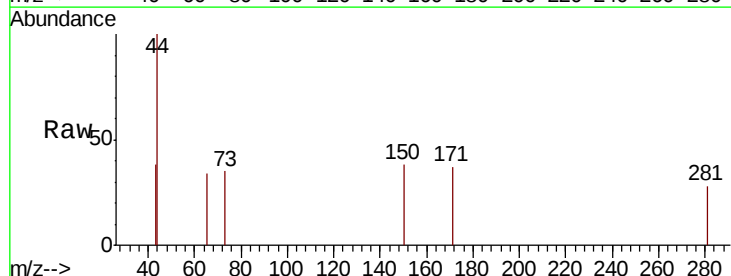


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

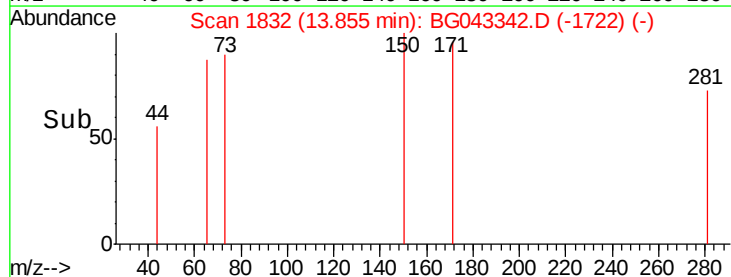
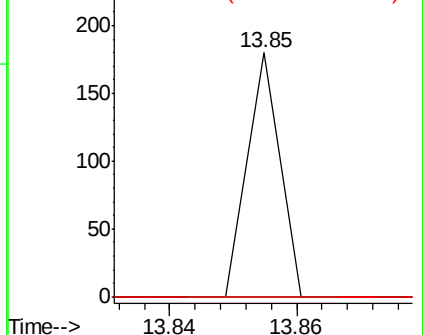


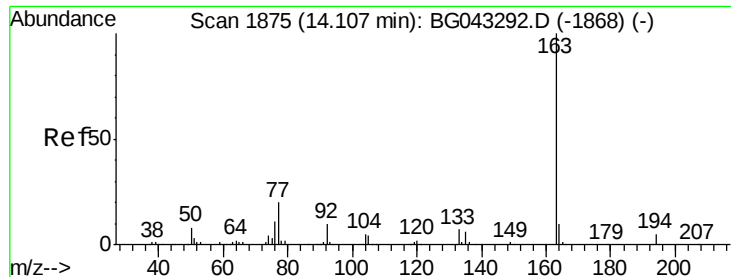
#48
2-Nitroaniline
Concen: 0.036 ng
RT: 13.85 min Scan# 1832
Delta R.T. 0.12 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 0.0 52.6 79.0#
138 0.0 82.9 124.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

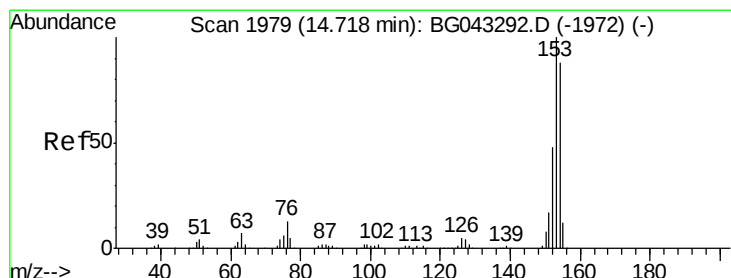
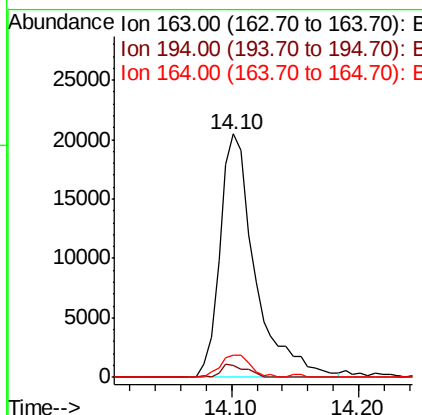
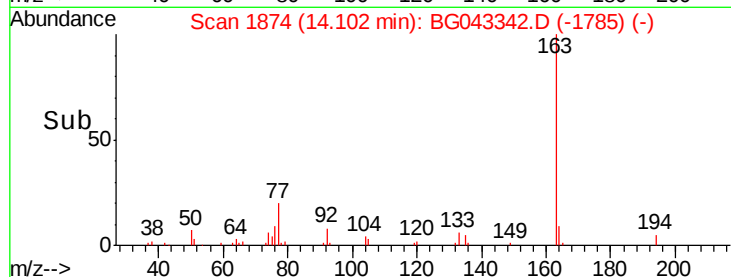
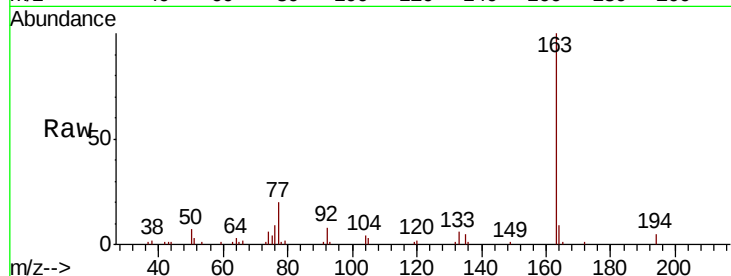




#50
Dimethylphthalate
Concen: 4.986 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

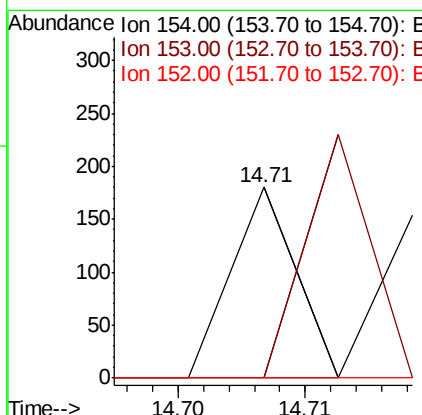
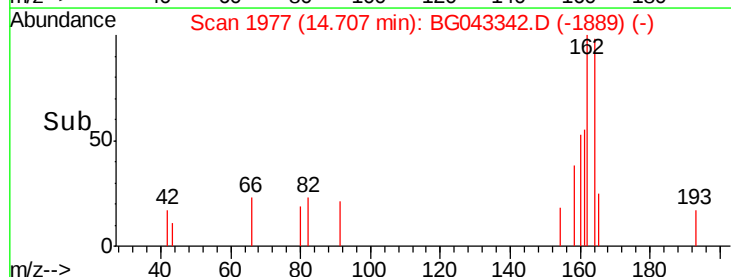
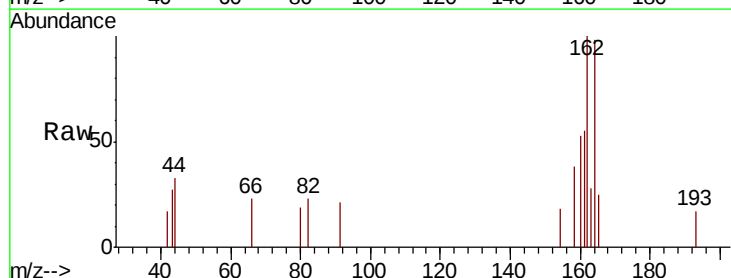
Instrument :
BNA_G
ClientSampleId :
HD-02-102319

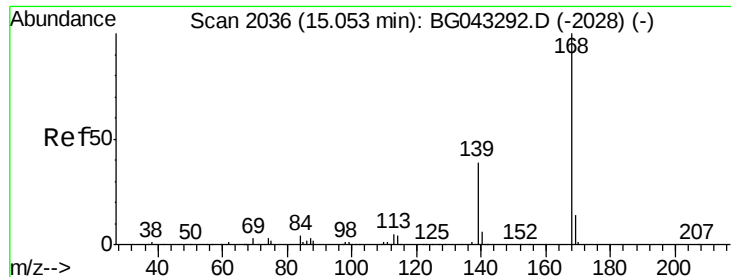
Tot Ion:163 Resp: 39313
Ion Ratio Lower Upper
163 100
194 4.8 3.7 5.5
164 9.3 8.1 12.1



#52
Acenaphthene
Concen: 0.011 ng
RT: 14.71 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion:154 Resp: 63
Ion Ratio Lower Upper
154 100
153 0.0 90.9 136.3#
152 0.0 43.9 65.9#

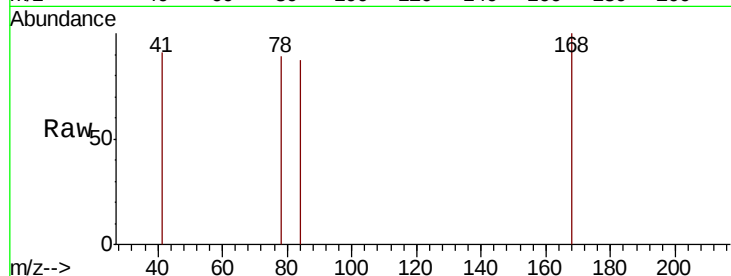




#55
Dibenzenofuran
Concen: 0.007 ng
RT: 15.08 min Scan# 2040
Delta R.T. 0.02 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion	Ratio	Lower	Upper
168	100		
139	0.0	31.7	47.5#
169	0.0	11.0	16.4#



Abundance

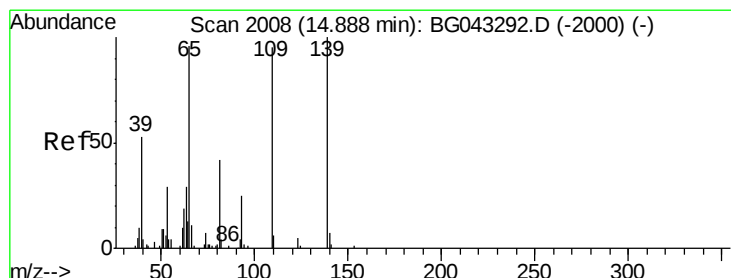
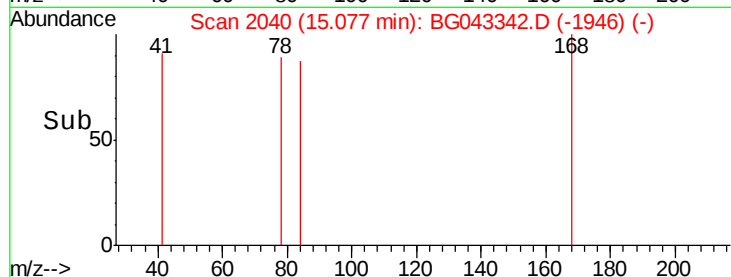
Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

15.08

Time-->



#56
4-Nitrophenol
Concen: 0.059 ng
RT: 14.94 min Scan# 2016
Delta R.T. 0.05 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	75.4	115.4#
65	0.0	76.6	116.6#

Abundance

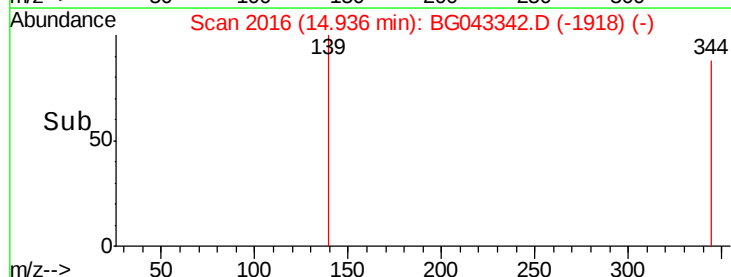
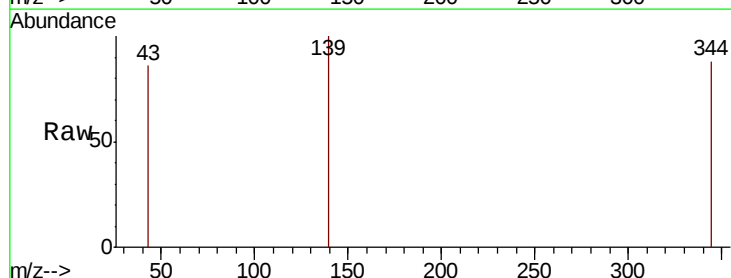
Ion 139.00 (138.70 to 139.70): E

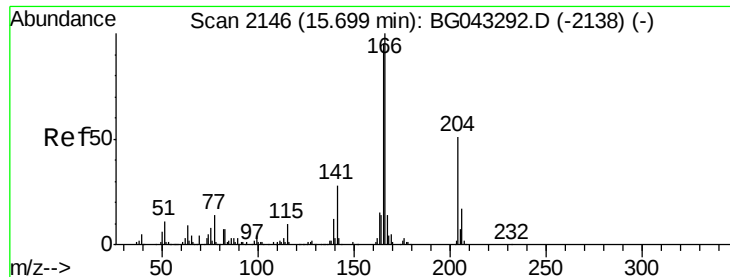
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

14.94

Time-->

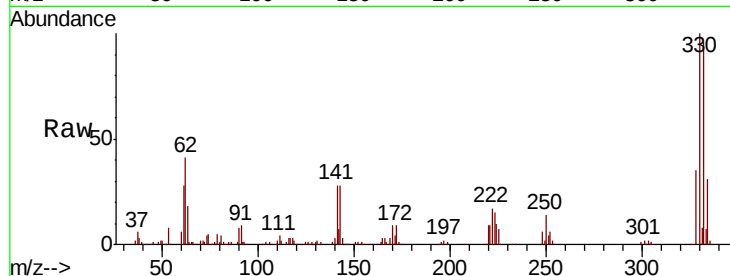




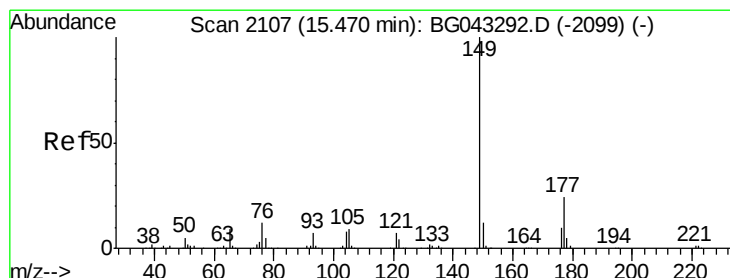
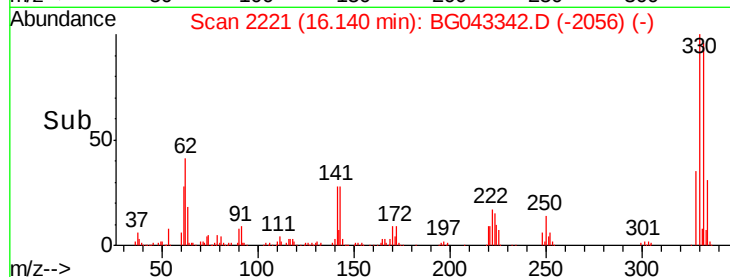
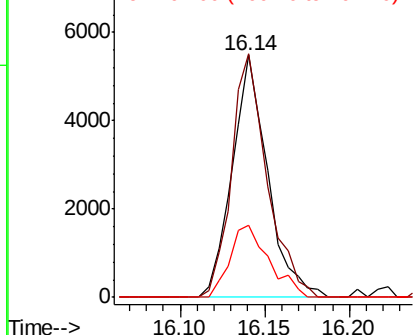
#58
 Fluorene
 Concen: 1.051 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.44 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Tot Ion:166 Resp: 7996
 Ion Ratio Lower Upper
 166 100
 165 100.6 76.4 114.6
 167 29.6 11.1 16.7#

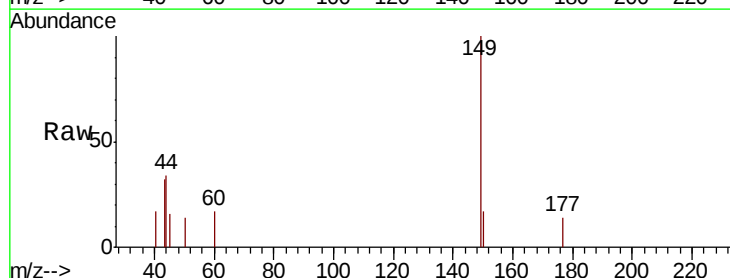


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

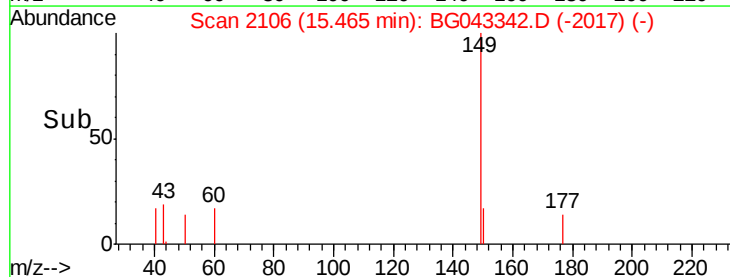
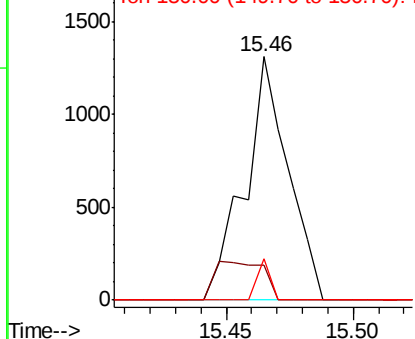


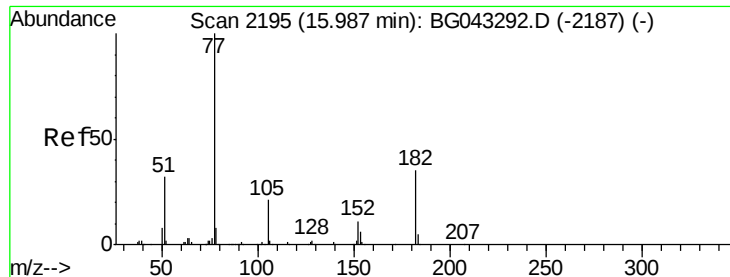
#60
 Diethylphthalate
 Concen: 0.198 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion:149 Resp: 1571
 Ion Ratio Lower Upper
 149 100
 177 14.4 19.0 28.4#
 150 16.9 9.4 14.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

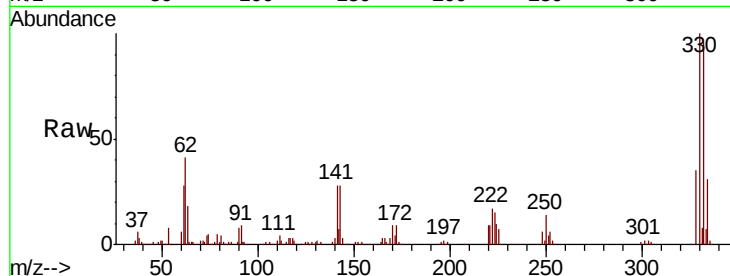




#63
Azobenzene
Concen: 0.193 ng
RT: 16.14 min Scan# 2221
Delta R.T. 0.15 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion	Ratio	Lower	Upper
77	100		
182	19.5	14.9	54.9
105	73.0	0.6	40.6
51	66.8	12.5	52.5



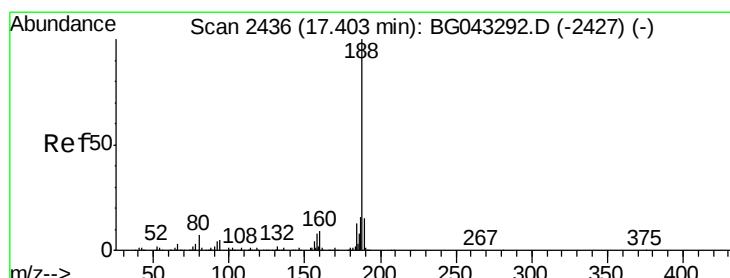
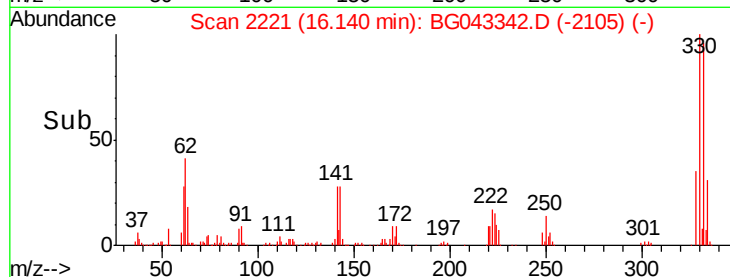
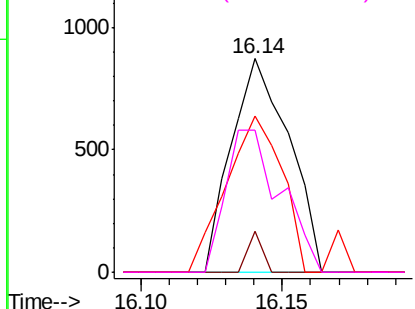
Abundance

Ion 77.00 (76.70 to 77.70): BG043342.D (-2187) (-)

Ion 182.00 (181.70 to 182.70): BG043342.D (-2187) (-)

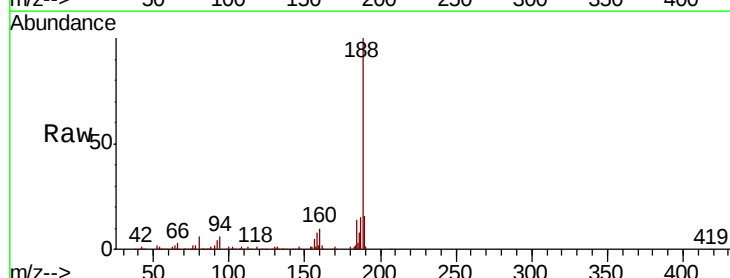
Ion 105.00 (104.70 to 105.70): BG043342.D (-2187) (-)

Ion 51.00 (50.70 to 51.70): BG043342.D (-2187) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.2	6.2
80	6.4	5.2	7.8

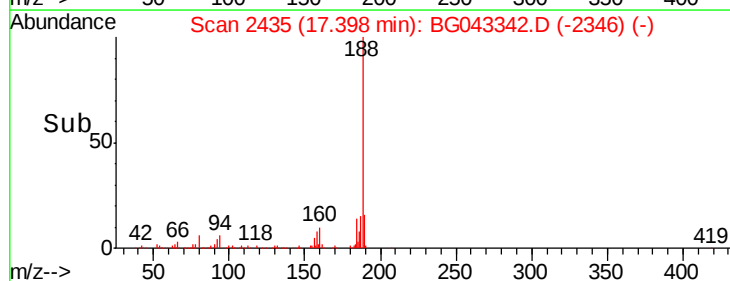
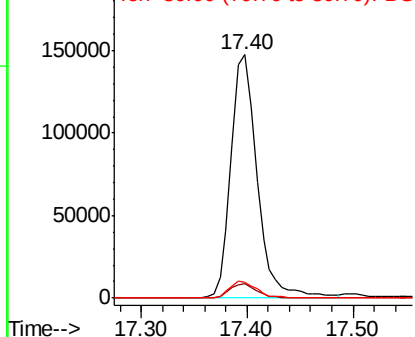


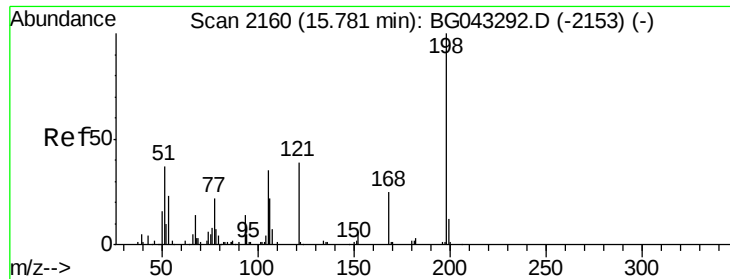
Abundance

Ion 188.00 (187.70 to 188.70): BG043342.D (-2346) (-)

Ion 94.00 (93.70 to 94.70): BG043342.D (-2346) (-)

Ion 80.00 (79.70 to 80.70): BG043342.D (-2346) (-)

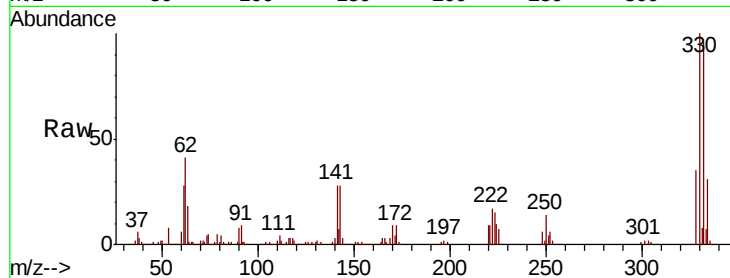




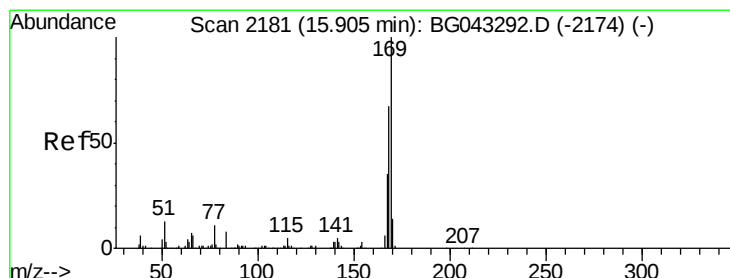
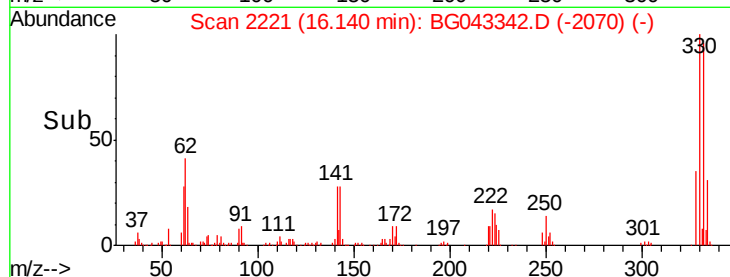
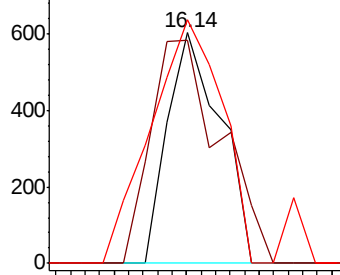
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.407 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.36 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Tot Ion:198 Resp: 612
 Ion Ratio Lower Upper
 198 100
 51 96.7 21.4 61.4#
 105 105.6 16.5 56.5#

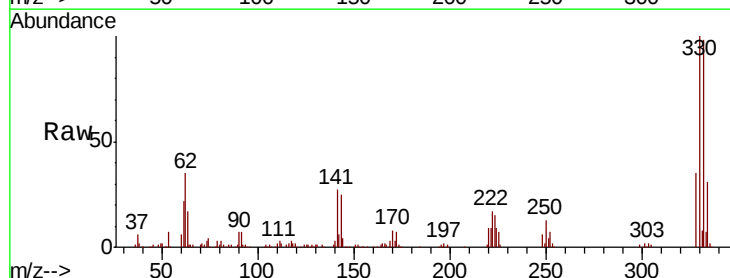


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

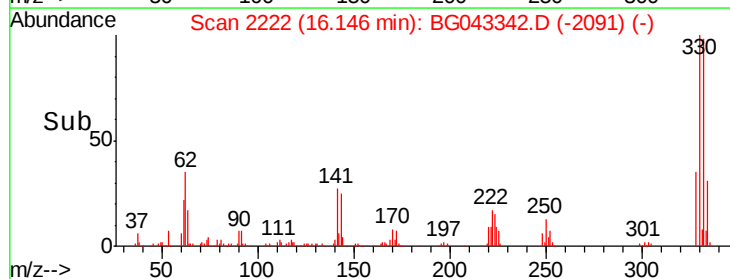
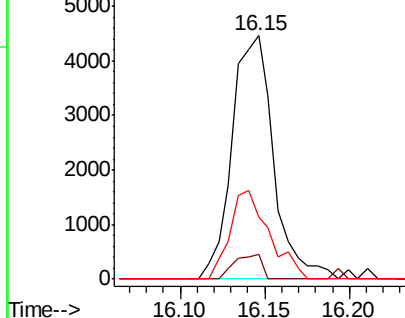


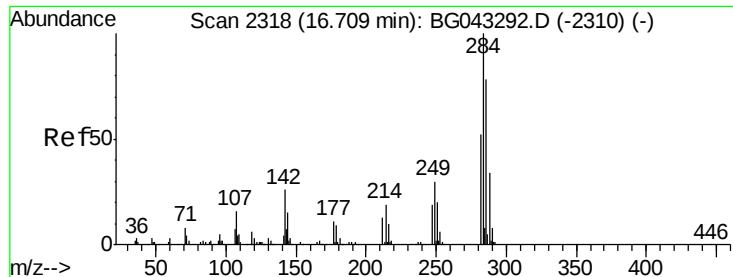
#66
 n-Nitrosodiphenylamine
 Concen: 1.059 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. 0.24 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion:169 Resp: 7633
 Ion Ratio Lower Upper
 169 100
 168 10.2 53.9 80.9#
 167 25.4 28.3 42.5#



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: 0.014 ng

RT: 17.03 min Scan# 2373

Delta R.T. 0.32 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

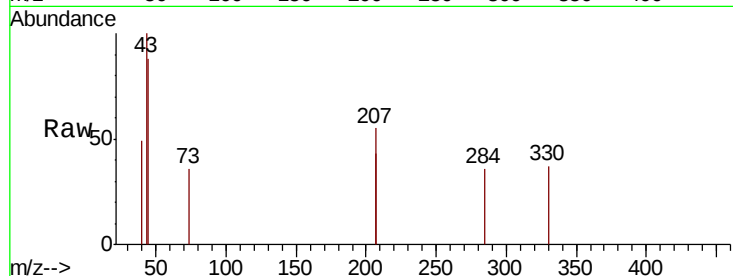
Tot Ion:284 Resp: 54

Ion Ratio Lower Upper

284 100

142 0.0 21.1 31.7#

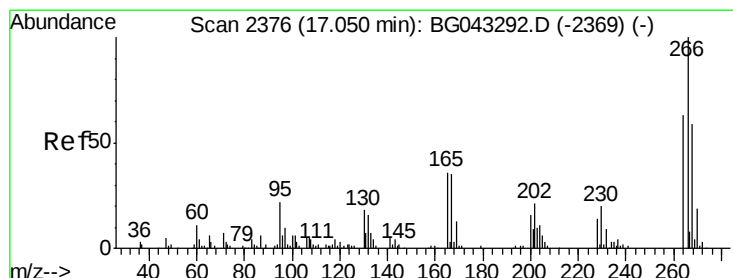
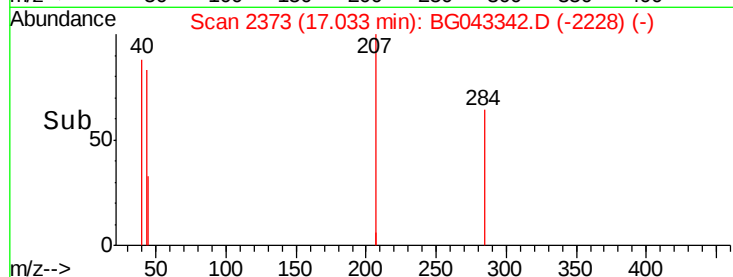
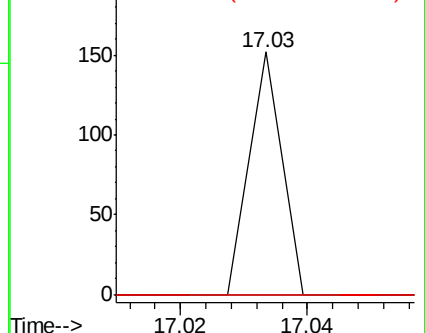
249 0.0 24.4 36.6#



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



#70

Pentachlorophenol

Concen: 0.044 ng

RT: 17.22 min Scan# 2405

Delta R.T. 0.17 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

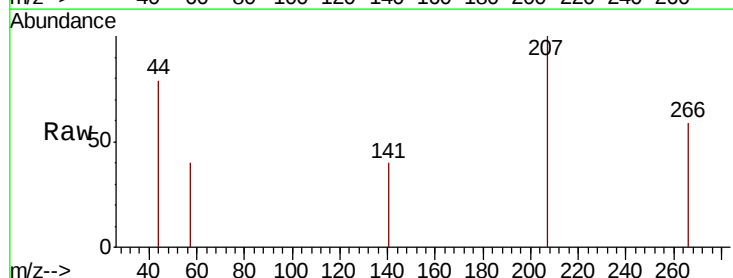
Tgt Ion:266 Resp: 79

Ion Ratio Lower Upper

266 100

268 0.0 47.1 70.7#

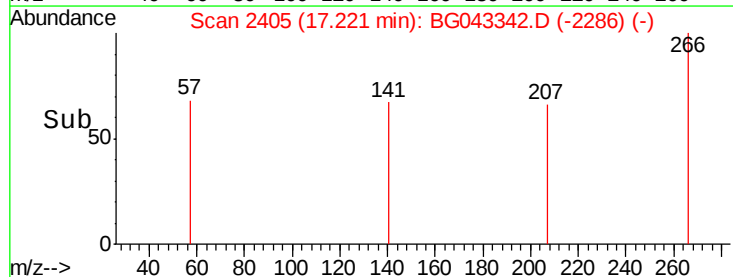
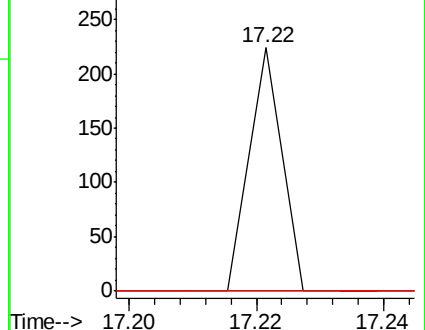
264 0.0 50.4 75.6#

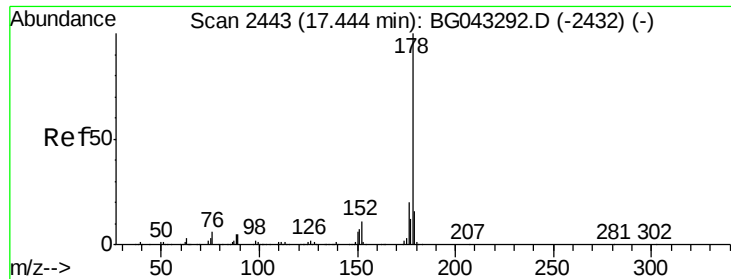


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

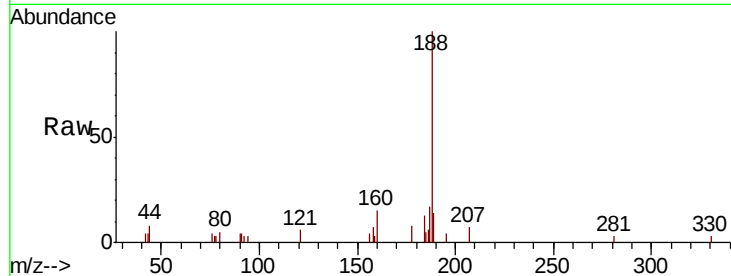




#71
Phenanthrene
Concen: 0.044 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

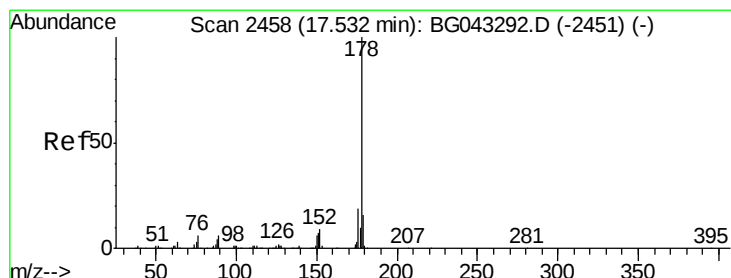
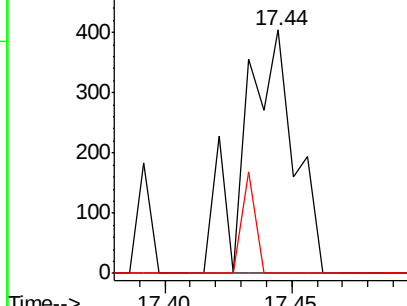
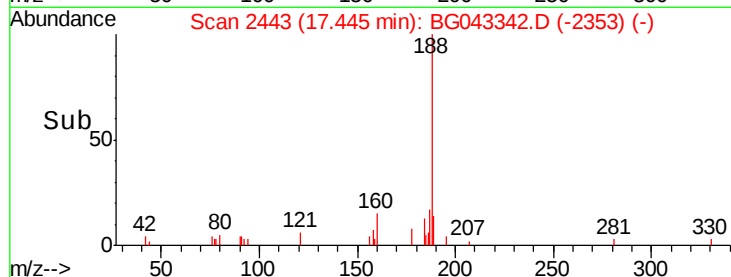
Instrument :
BNA_G
ClientSampleId :
HD-02-102319

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	0.0	13.1	19.7#



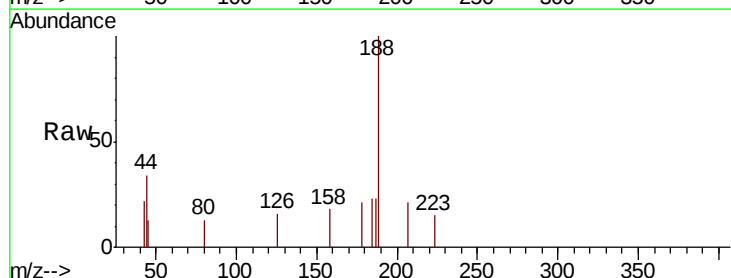
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

17.44



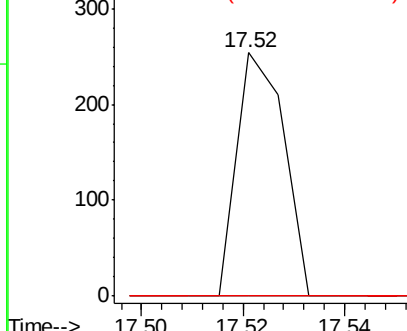
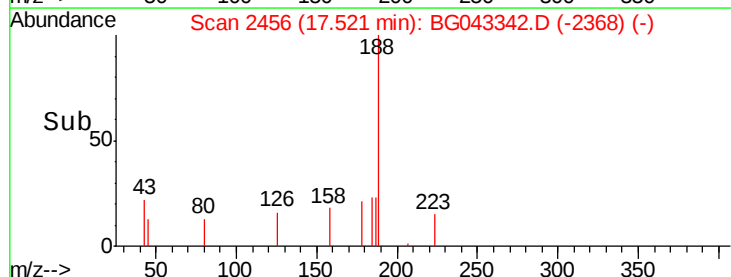
#72
Anthracene
Concen: 0.013 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BG043342.D
Acq: 25 Oct 2019 16:45

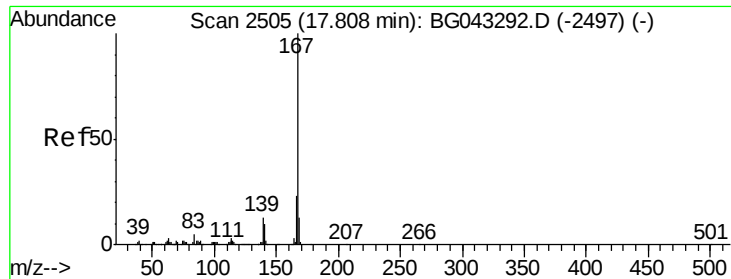
Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.1	22.7#
179	0.0	13.0	19.6#



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

17.52





#73

Carbazole

Concen: 0.005 ng

RT: 18.28 min Scan# 2585

Delta R.T. 0.47 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

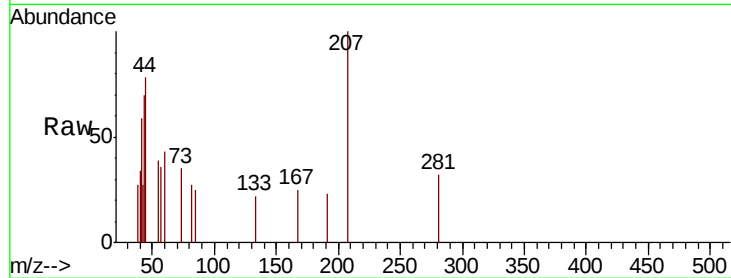
Tot Ion:167 Resp: 59

Ion Ratio Lower Upper

167 100

166 0.0 18.4 27.6#

139 0.0 10.2 15.4#



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

18.28

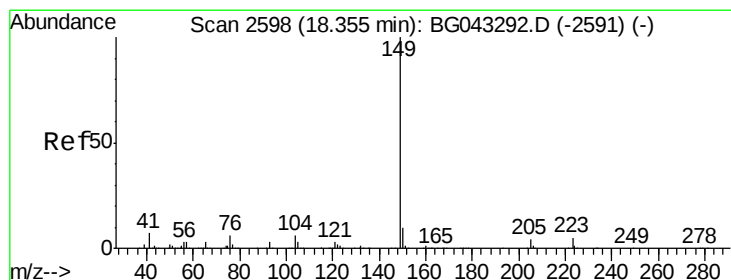
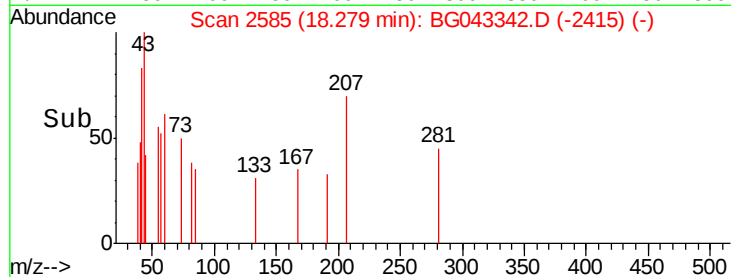
150

100

50

0

Time-->



#74

Di-n-butylphthalate

Concen: 0.087 ng

RT: 18.36 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

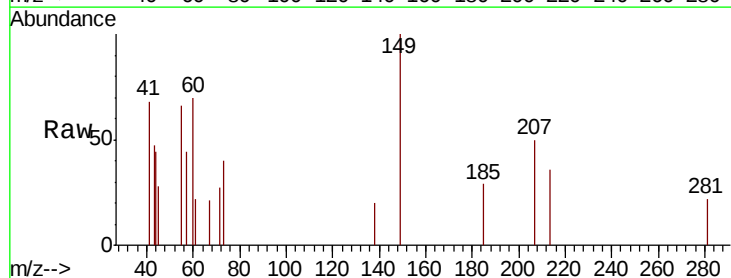
Tgt Ion:149 Resp: 1255

Ion Ratio Lower Upper

149 100

150 0.0 8.0 12.0#

104 0.0 4.7 7.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.36

1000

800

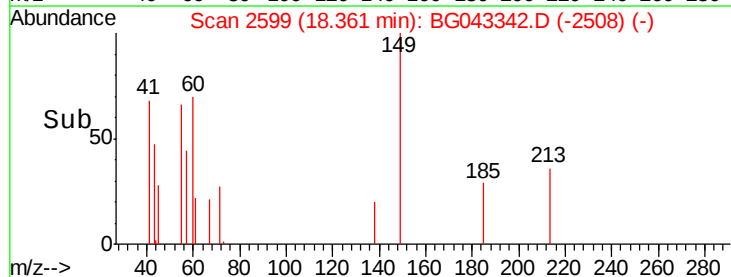
600

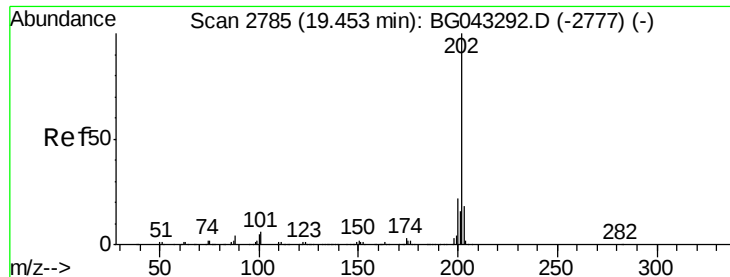
400

200

0

Time-->





#75

Fluoranthene

Concen: 0.009 ng

RT: 19.45 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

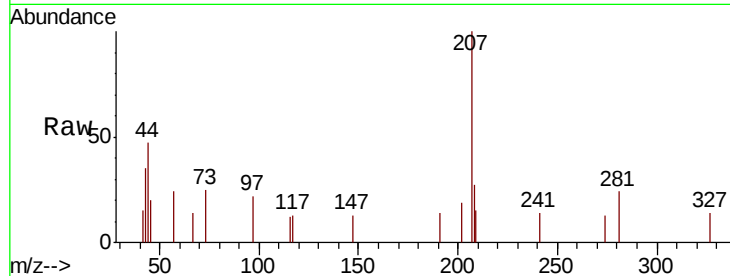
Tot Ion:202 Resp: 149

Ion Ratio Lower Upper

202 100

101 0.0 0.0 26.0

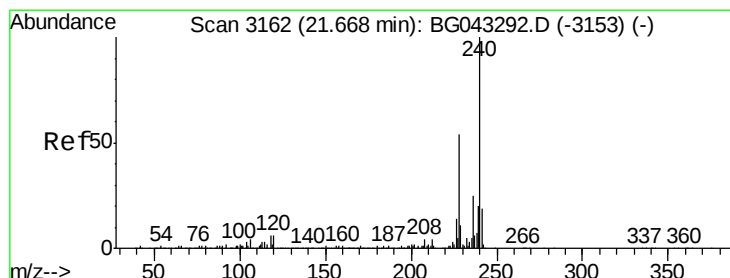
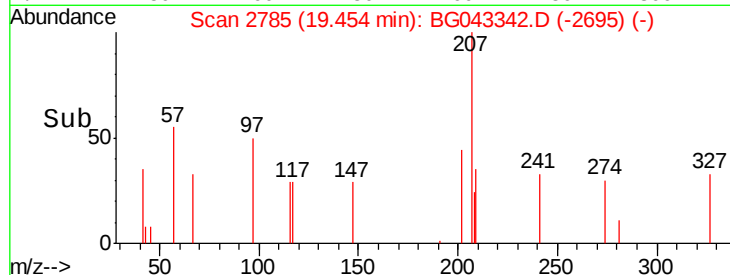
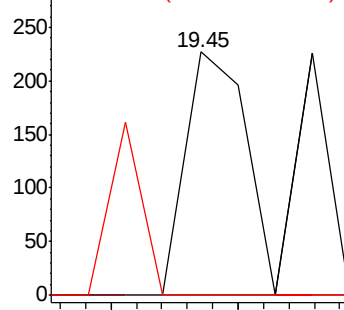
203 0.0 0.0 38.2



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

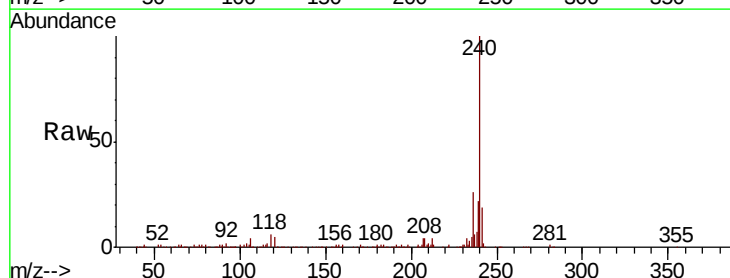
Tgt Ion:240 Resp: 293422

Ion Ratio Lower Upper

240 100

120 5.0 4.6 7.0

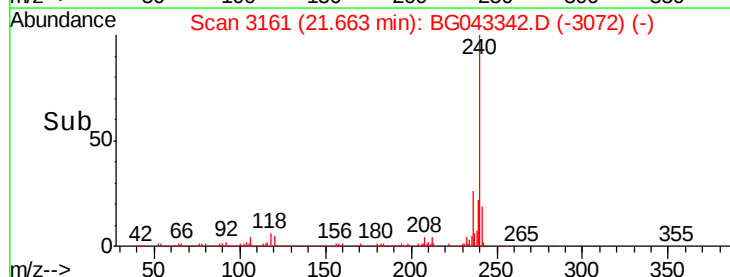
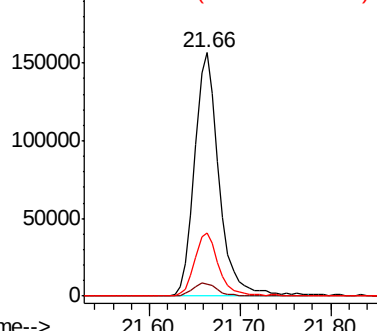
236 26.0 20.2 30.4

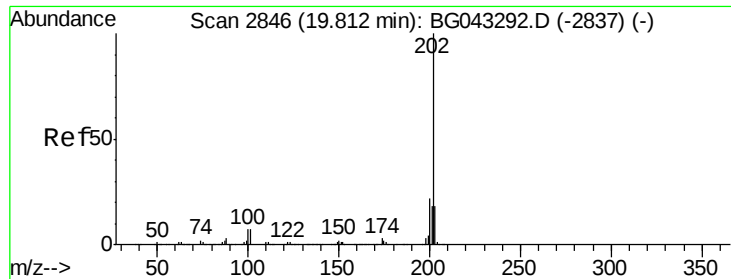


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 0.305 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.19 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

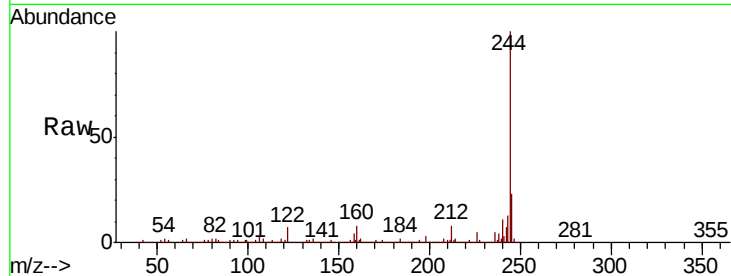
Tot Ion:202 Resp: 5534

Ion Ratio Lower Upper

202 100

200 58.7 17.3 25.9#

203 15.0 14.5 21.7

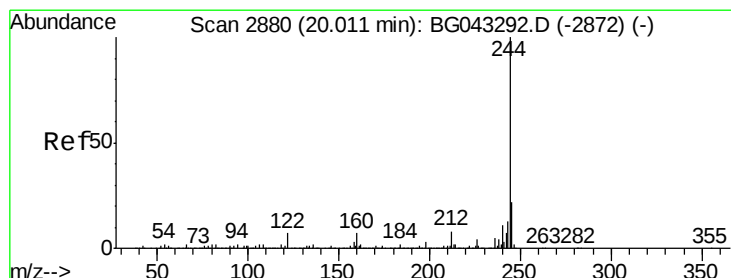
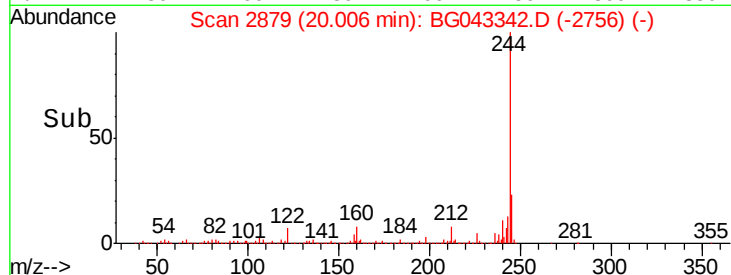
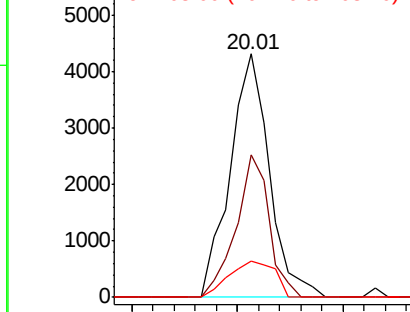


Abundance

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: 96.589 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

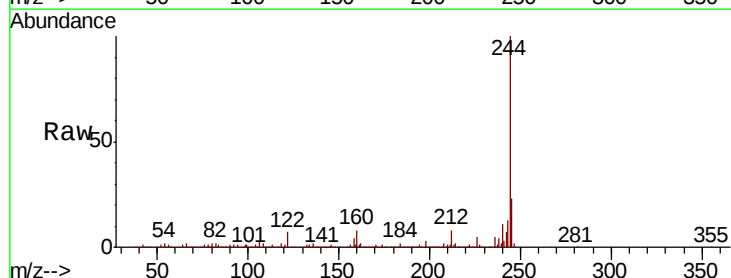
Tgt Ion:244 Resp: 1510685

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

122 7.2 5.3 7.9

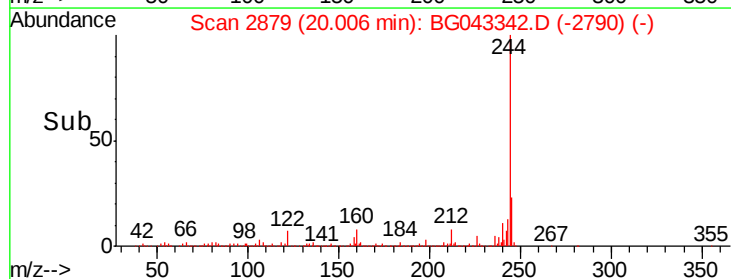
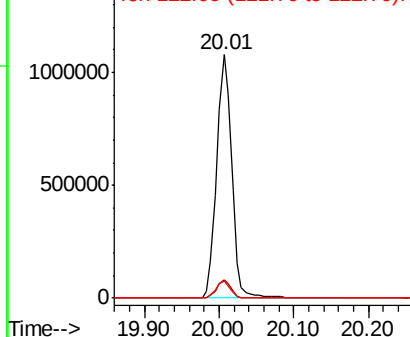


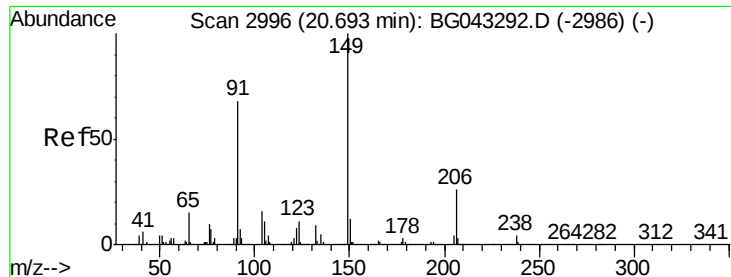
Abundance

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: 0.030 ng

RT: 20.69 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

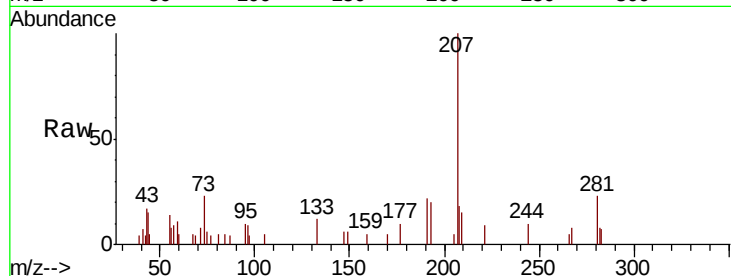
Tot Ion:149 Resp: 204

Ion Ratio Lower Upper

149 100

91 0.0 54.6 82.0#

206 0.0 20.5 30.7#

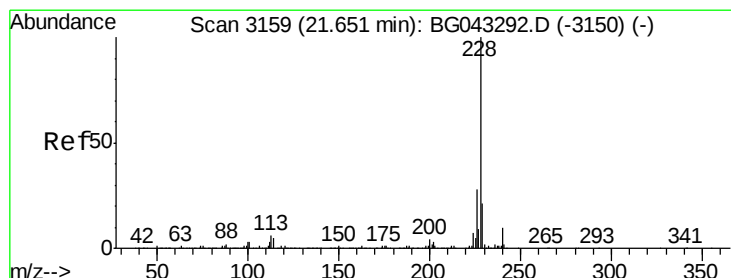
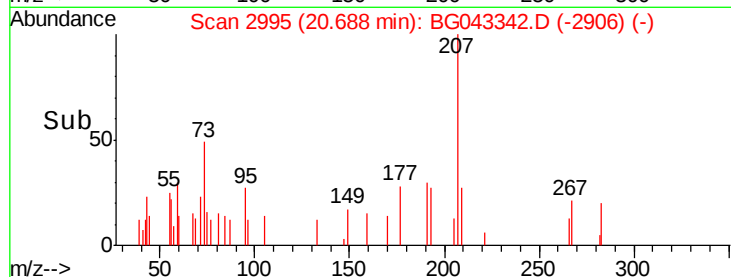
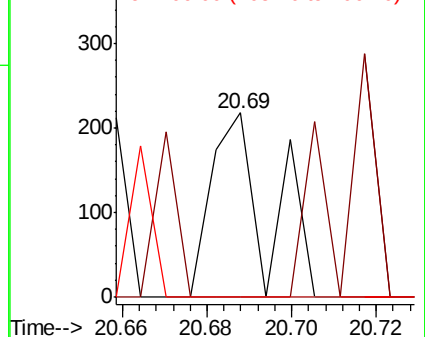


Abundance

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: 0.008 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.02 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

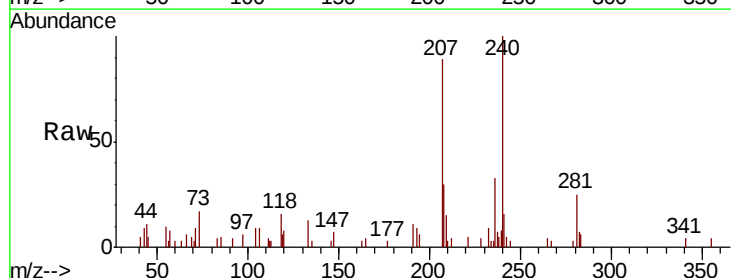
Tgt Ion:228 Resp: 147

Ion Ratio Lower Upper

228 100

226 0.0 22.2 33.4#

229 0.0 16.9 25.3#

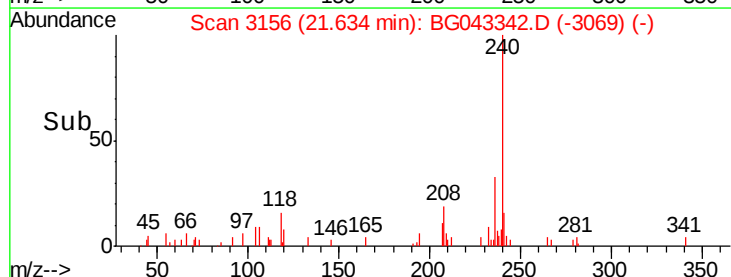
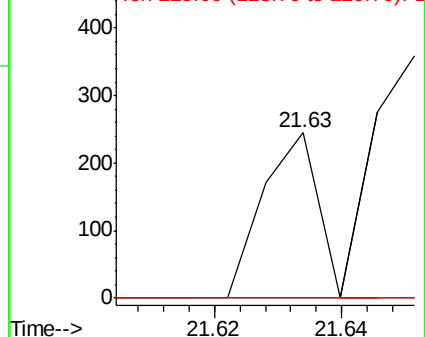


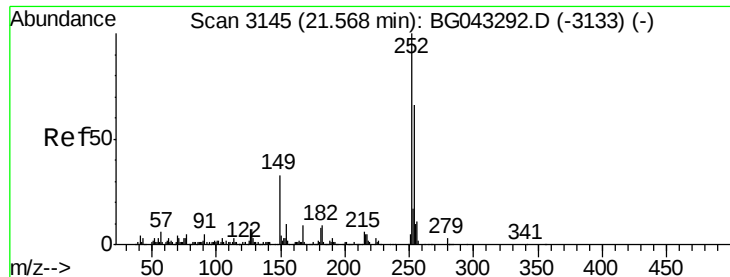
Abundance

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

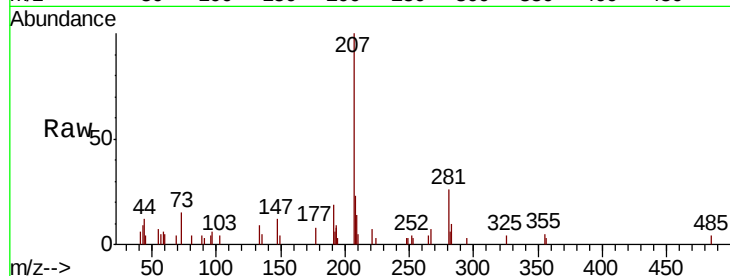




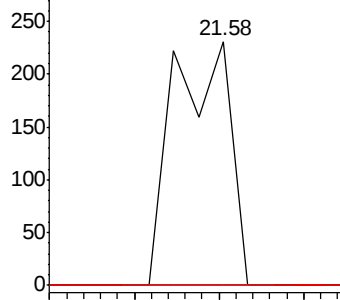
#82
 3,3'-Dichlorobenzidine
 Concen: 0.030 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

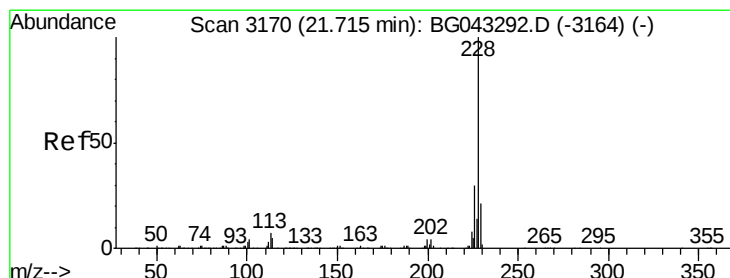
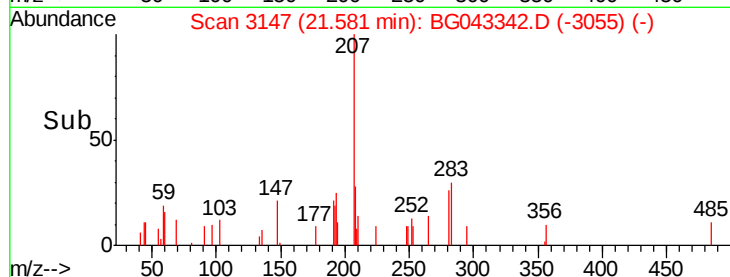
Tot Ion:252 Resp: 216
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.7 79.1#
 126 0.0 5.6 8.4#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

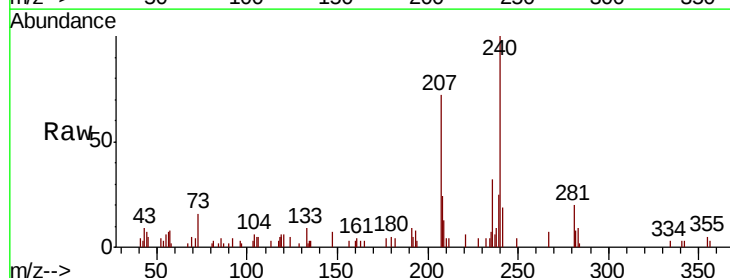


Time--> 21.54 21.56 21.58 21.60

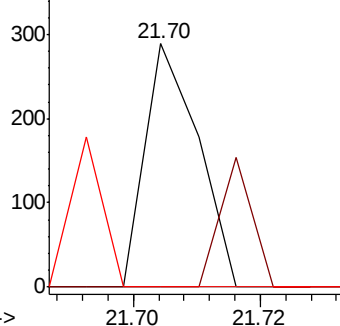


#83
 Chrysene
 Concen: 0.009 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

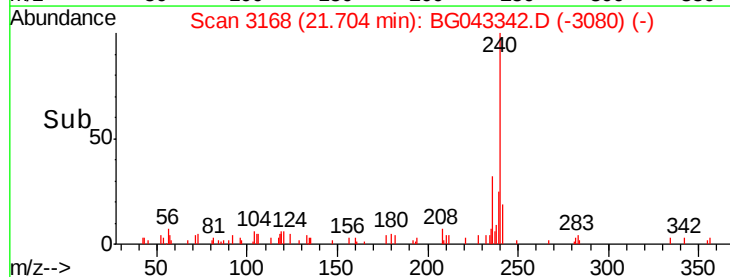
Tgt Ion:228 Resp: 165
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.8 35.8#
 229 0.0 16.3 24.5#

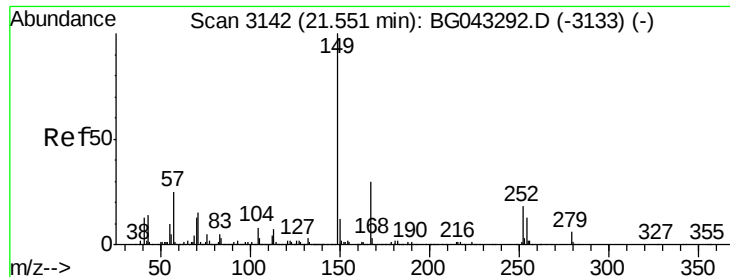


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time--> 21.70 21.72

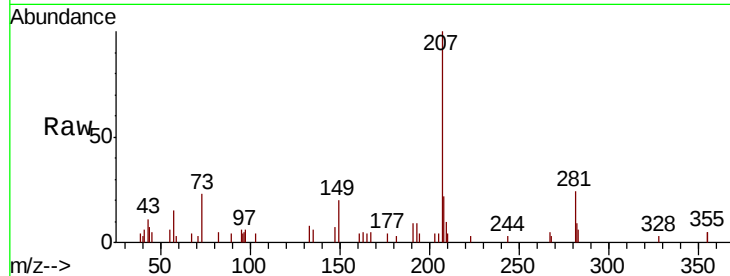




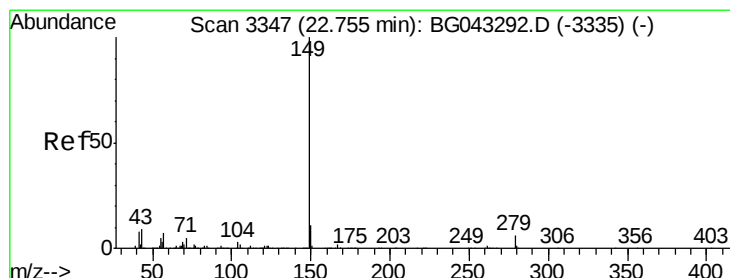
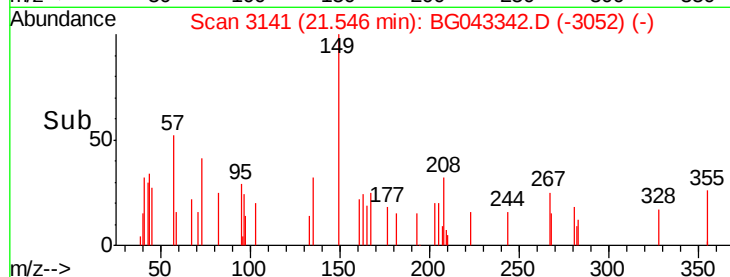
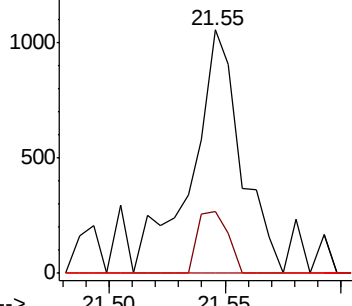
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.161 ng
 RT: 21.55 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.3	23.9	35.9
279	0.0	4.8	7.2#

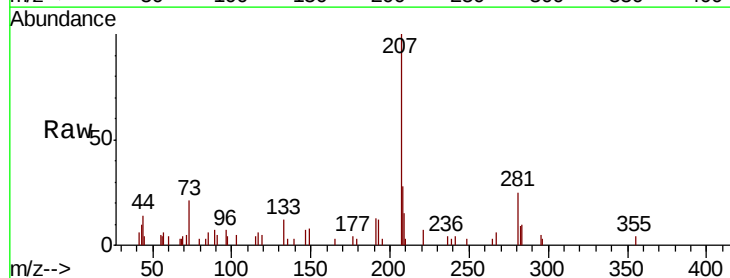


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

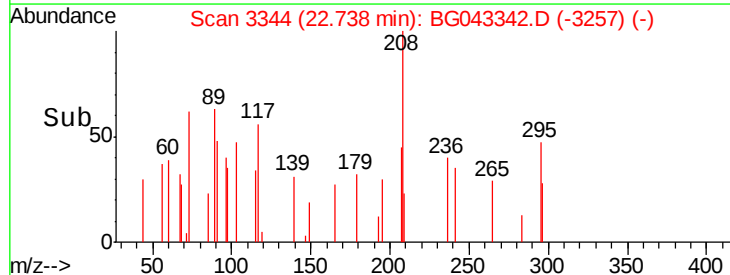
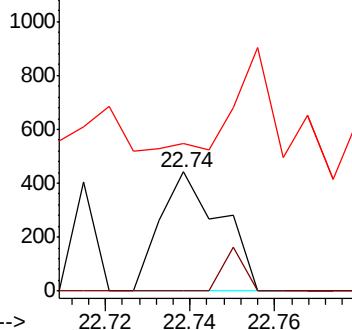


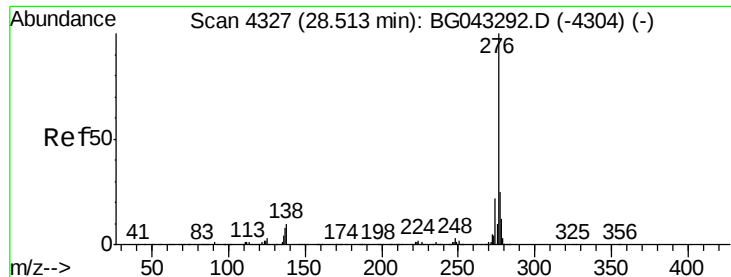
#85
 Di-n-octyl phthalate
 Concen: 0.027 ng
 RT: 22.74 min Scan# 3344
 Delta R.T. -0.02 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	12.9	1.4	2.0#
43	0.0	6.9	10.3#



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

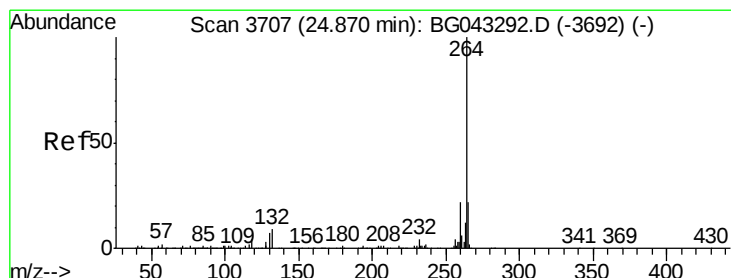
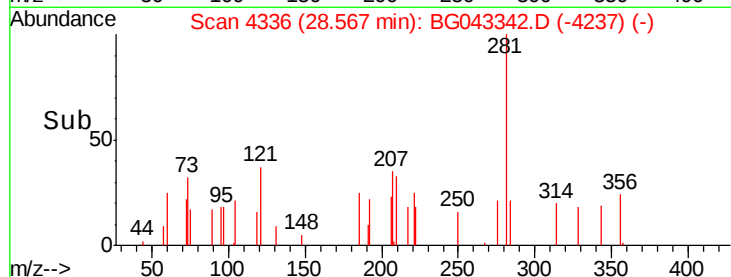
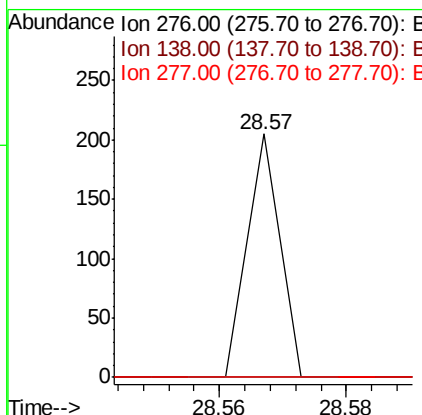
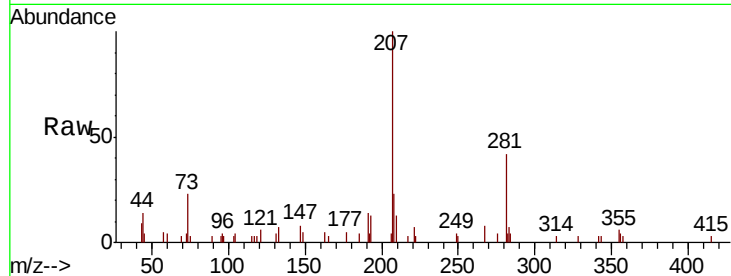




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.003 ng
 RT: 28.57 min Scan# 4336
 Delta R.T. 0.05 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

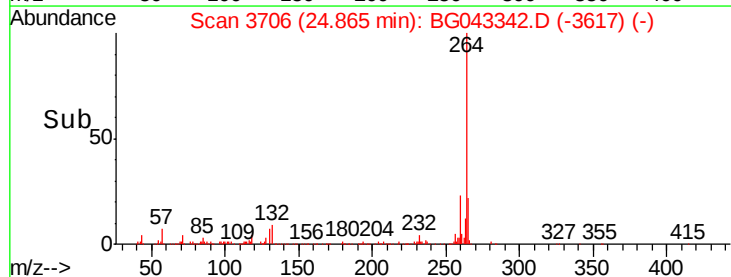
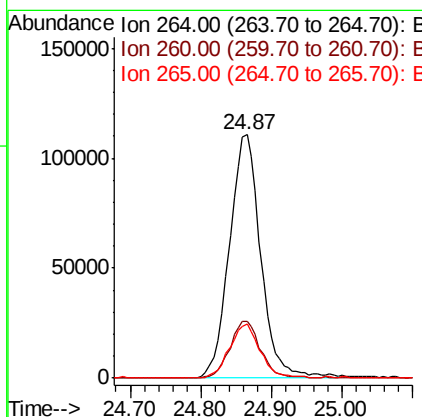
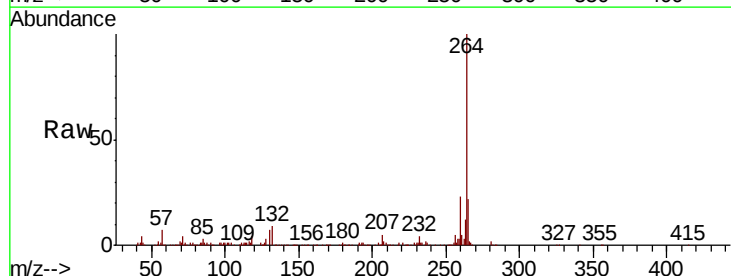
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

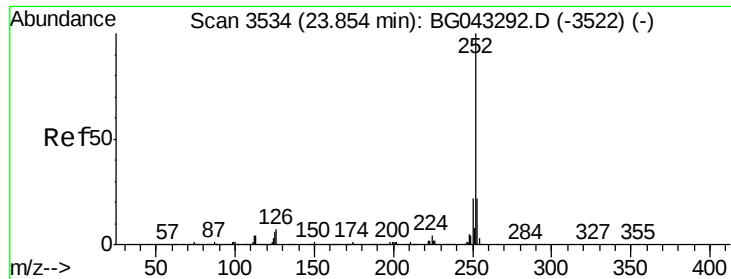
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	7.2	10.8#
277	0.0	20.9	31.3#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	22.0	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 0.009 ng

RT: 23.85 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

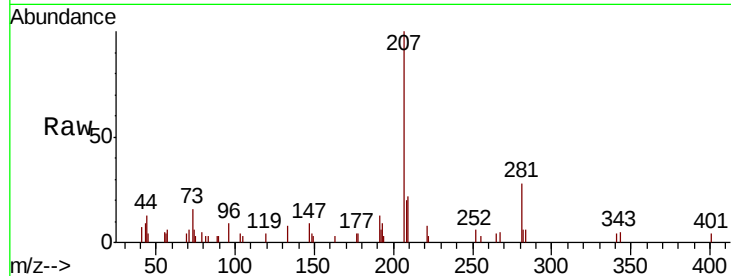
Tot Ion:252 Resp: 183

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

125 0.0 5.0 7.6#

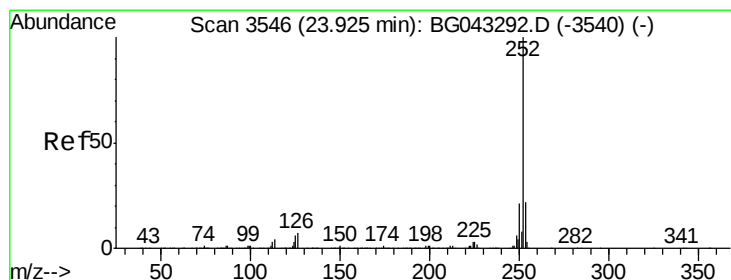
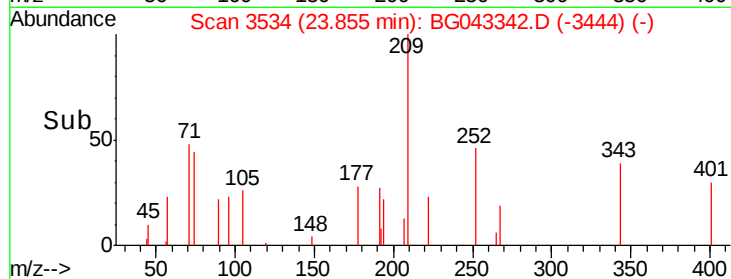
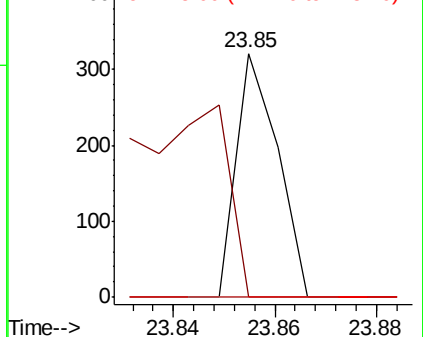


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 23.94 min Scan# 3548

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

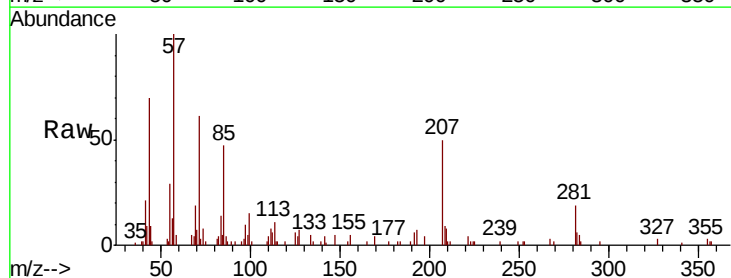
Tgt Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

253 76.0 17.6 26.4#

125 282.4 4.5 6.7#

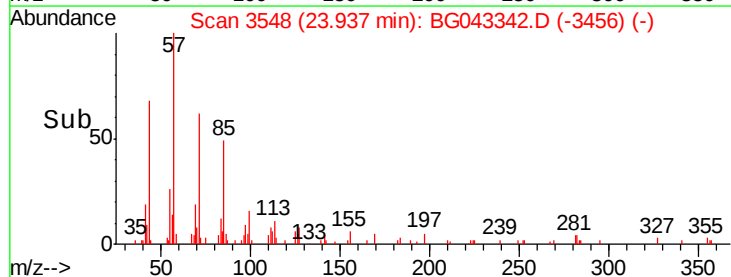
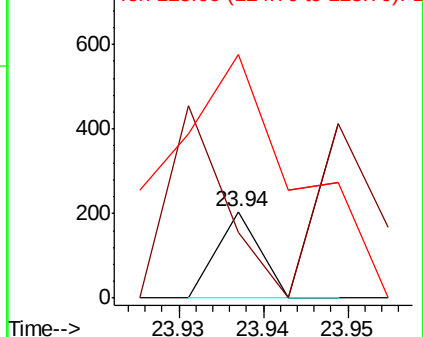


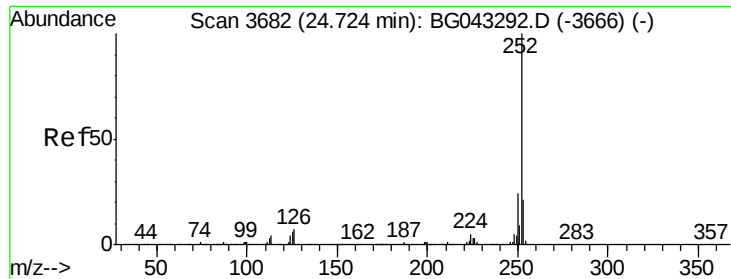
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.009 ng

RT: 24.74 min Scan# 3684

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

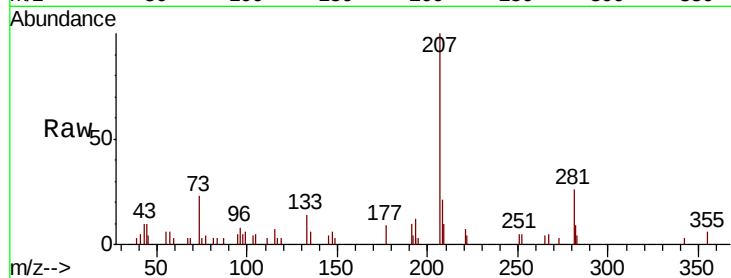
Tot Ion:252 Resp: 161

Ion Ratio Lower Upper

252 100

253 0.0 17.2 25.8#

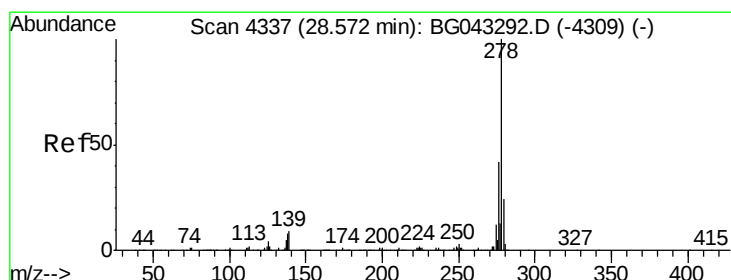
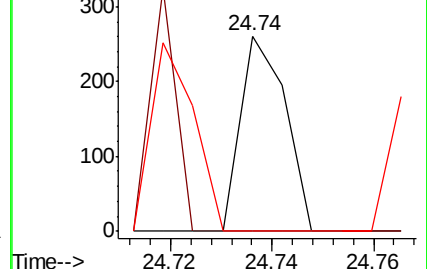
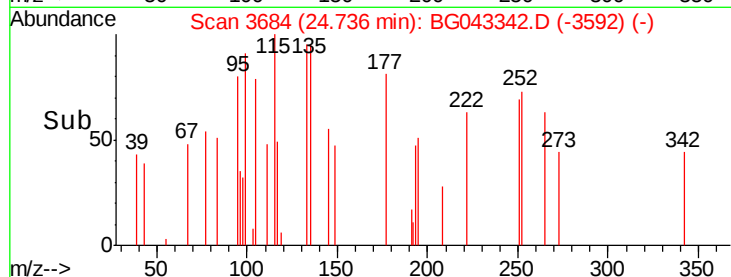
125 0.0 5.0 7.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 28.58 min Scan# 4339

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

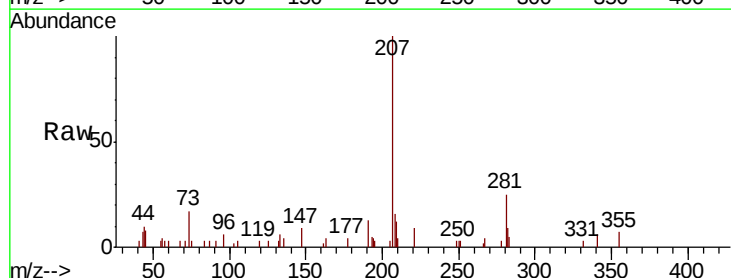
Tgt Ion:278 Resp: 119

Ion Ratio Lower Upper

278 100

139 0.0 6.8 10.2#

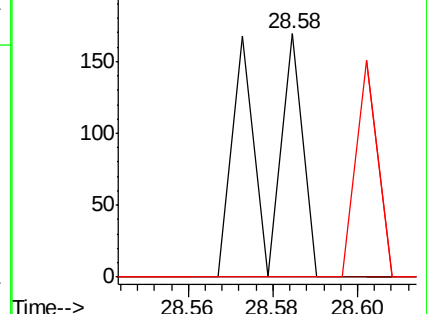
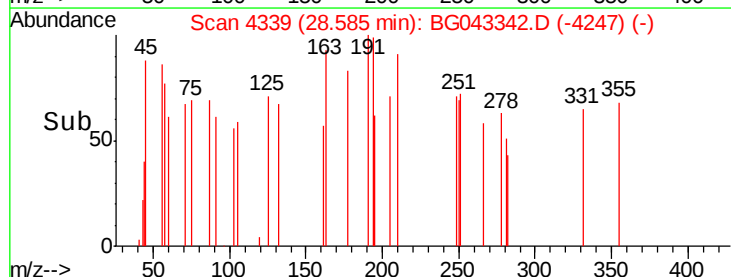
279 0.0 19.0 28.6#

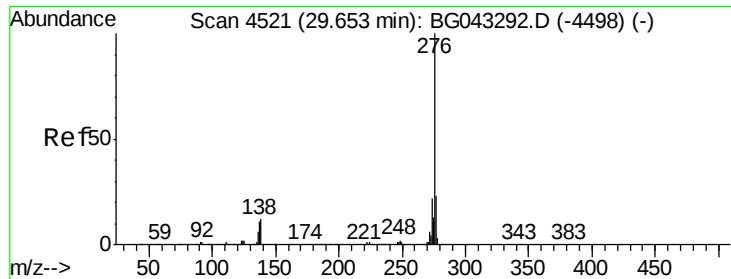


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.003 ng

RT: 29.67 min Scan# 4524

Delta R.T. 0.02 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

Tot Ion: 276 Resp: 53

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 0.0 9.3 13.9#

