

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042507.D
 Acq On : 27 Aug 2019 16:56
 Operator : HP/JU
 Sample : K4086-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 04:50:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33694	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	124140	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88817	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219034	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	309307	20.00	ng	-0.01
87) Perylene-d12	24.93	264	366416	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	220915	132.79	ng	0.00
7) Phenol-d6	7.16	99	264669	117.78	ng	-0.01
23) Nitrobenzene-d5	9.16	82	183029	101.89	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	191901	152.01	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	545970	103.97	ng	0.00
79) Terphenyl-d14	20.02	244	1277162	89.27	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	15694	22.605	ng	# 1
4) n-Nitrosodimethylamine	3.74	42	277	0.436	ng	# 1
6) Aniline	7.31	93	851	0.284	ng	# 45
9) Benzaldehyde	7.16	77	301	0.268	ng	# 1
10) Phenol	7.54	94	470	0.206	ng	# 1
11) bis(2-Chloroethyl)ether	7.31	93	851	0.474	ng	# 22
15) Benzyl Alcohol	8.32	79	2788	1.724	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	8.51	45	142	0.058	ng	# 66
19) n-Nitroso-di-n-propylamine	9.17	70	23266	15.981	ng	# 74
22) Acetophenone	8.82	105	309	0.116	ng	# 54
24) Nitrobenzene	9.16	77	695	0.382	ng	# 33
25) Isophorone	9.83	82	58	0.016	ng	# 59
27) 2,4-Dimethylphenol	10.03	122	53	0.034	ng	# 3
32) Benzoic acid	10.03	122	53	8.208	ng	# 1
33) 4-Chloroaniline	11.03	127	61	0.023	ng	# 48
37) 2-Methylnaphthalene	12.50	142	64	0.014	ng	# 15
38) 1-Methylnaphthalene	12.50	142	64	0.015	ng	# 5
46) 1,1'-Biphenyl	13.48	154	906	0.158	ng	# 80
48) 2-Nitroaniline	13.28	65	760	0.637	ng	# 1
50) Dimethylphthalate	14.11	163	270	0.042	ng	# 75
51) 2,6-Dinitrotoluene	14.65	165	11540	7.769	ng	# 36
52) Acenaphthene	14.66	154	206	0.046	ng	# 4
57) 2,4-Dinitrotoluene	14.65	165	11540	5.425	ng	# 38
58) Fluorene	16.15	166	7005	1.145	ng	# 86
60) Diethylphthalate	15.46	149	217	0.035	ng	# 56
63) Azobenzene	16.14	77	682	0.159	ng	# 7
65) 4,6-Dinitro-2-methylphenol	16.14	198	369	0.269	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	5749	0.954	ng	# 48
67) 4-Bromophenyl-phenylether	16.15	248	13330	4.798	ng	# 1
71) Phenanthrene	17.45	178	630	0.058	ng	# 59
72) Anthracene	17.54	178	206	0.019	ng	# 60
73) Carbazole	17.83	167	151	0.016	ng	# 58
74) Di-n-butylphthalate	18.37	149	2264	0.198	ng	# 96
75) Fluoranthene	19.47	202	342	0.026	ng	# 63

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

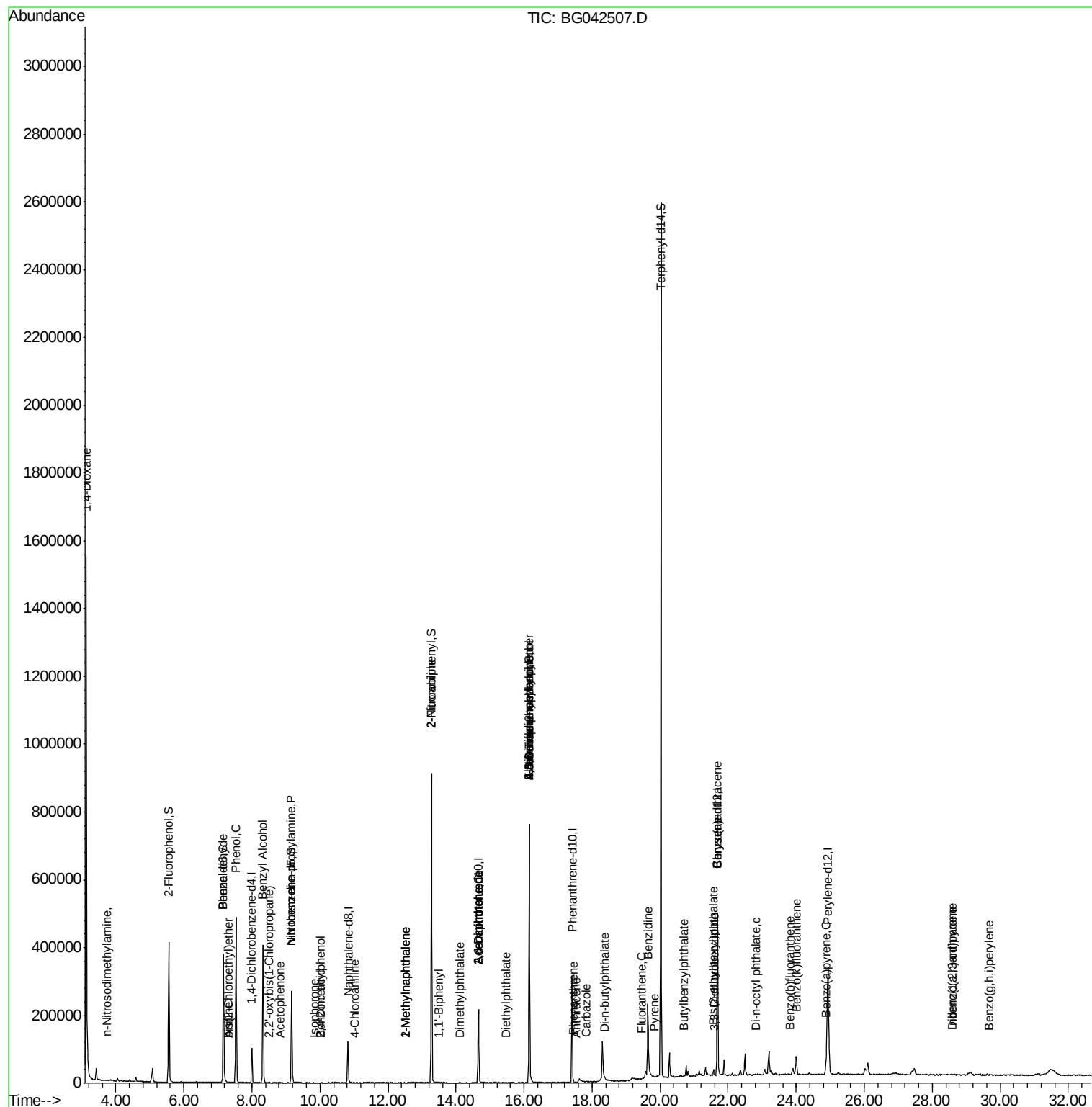
77) Benzidine	19.64	184	192109	21.663	nq	99
78) Pyrene	19.83	202	212	0.011	nq #	55
80) Butylbenzylphthalate	20.70	149	408	0.055	nq #	62
81) Benzo(a)anthracene	21.69	228	947	0.050	nq #	53
82) 3,3'-Dichlorobenzidine	21.60	252	645	0.085	nq #	89
83) Chrysene	21.69	228	947	0.052	nq #	51
84) Bis(2-ethylhexyl)phthalate	21.57	149	8880	0.857	nq	90
85) Di-n-octyl phthalate	22.81	149	340	0.019	nq #	84
86) Indeno(1,2,3-cd)pyrene	28.59	276	123	0.005	nq #	39
88) Benzo(b)fluoranthene	23.81	252	527	0.026	nq #	59
89) Benzo(k)fluoranthene	23.99	252	55	0.003	nq #	1
90) Benzo(a)pyrene	24.88	252	74	0.004	nq #	1
91) Dibenzo(a,h)anthracene	28.59	278	1908	0.099	nq #	84
92) Benzo(q,h,i)perylene	29.67	276	136	0.007	nq #	56

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

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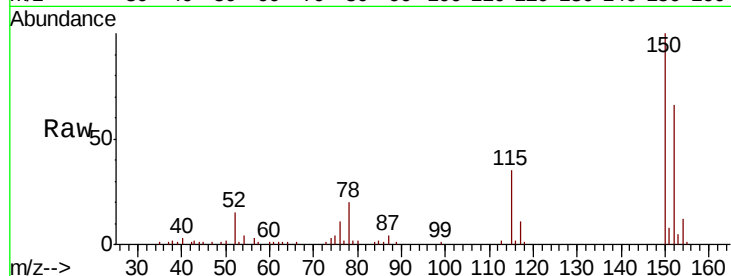


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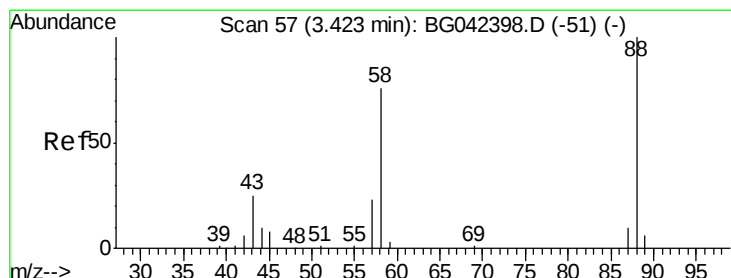
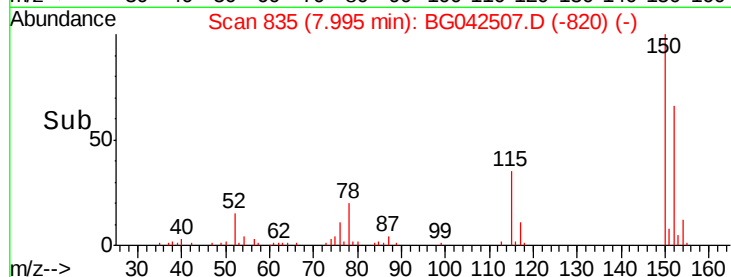
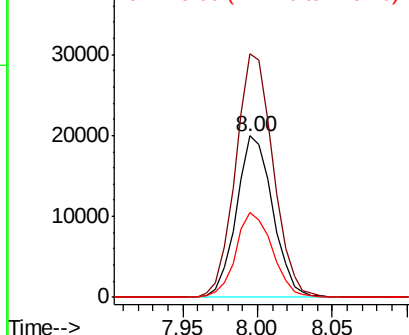
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33694
Ion Ratio Lower Upper
152 100
150 150.7 125.4 188.0
115 52.2 38.5 57.7



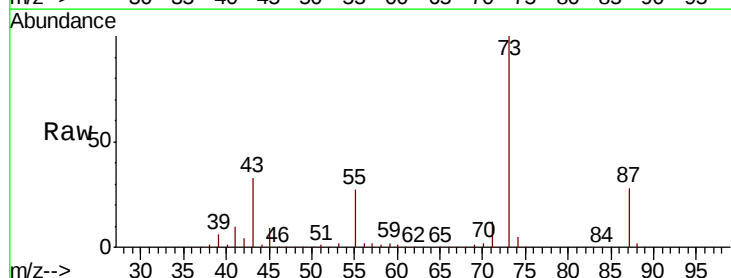
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



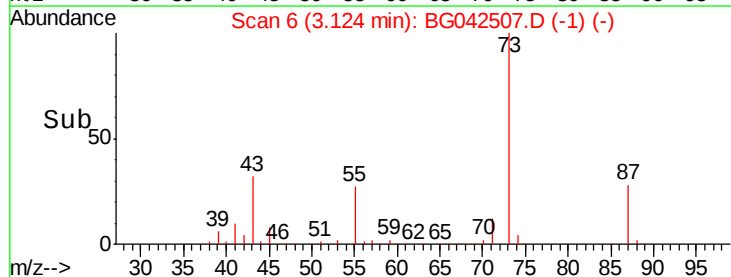
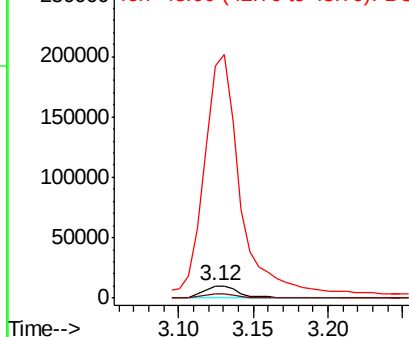
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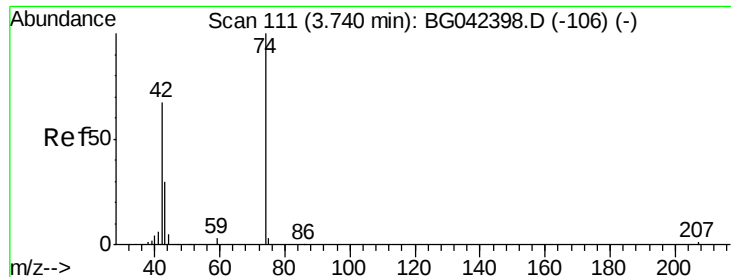
1,4-Dioxane
Concen: 22.605 ng
RT: 3.12 min Scan# 6
Delta R.T. -0.30 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 88 Resp: 15694
Ion Ratio Lower Upper
88 100
58 28.6 58.3 87.5#
43 2093.8 20.2 30.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC



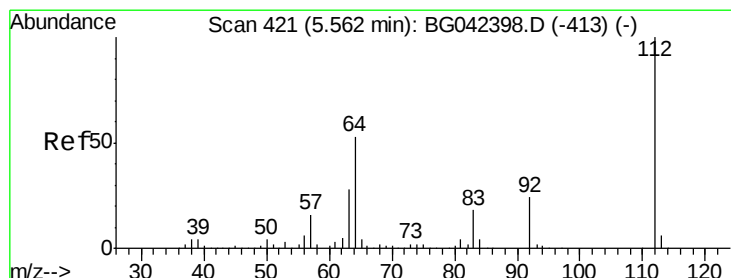
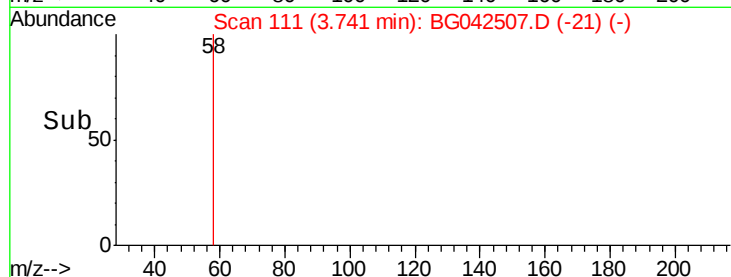
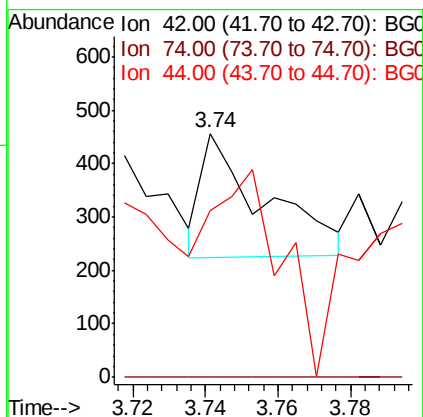
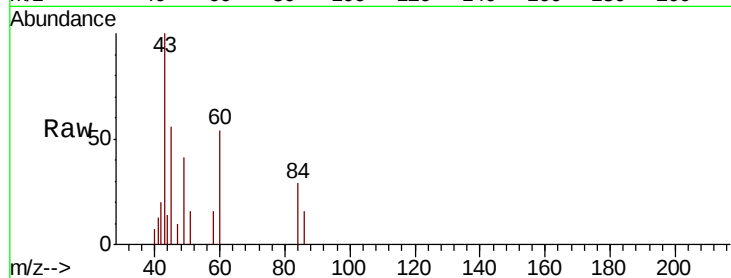


#4

n-Nitrosodimethylamine
 Concen: 0.436 ng
 RT: 3.74 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampled :

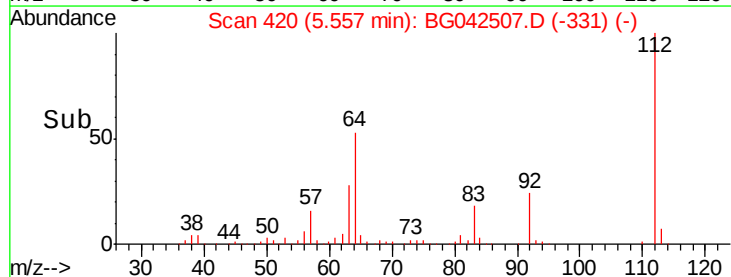
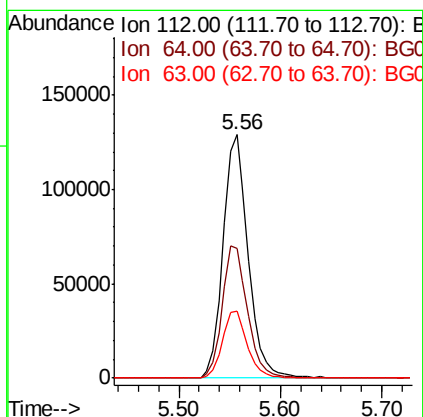
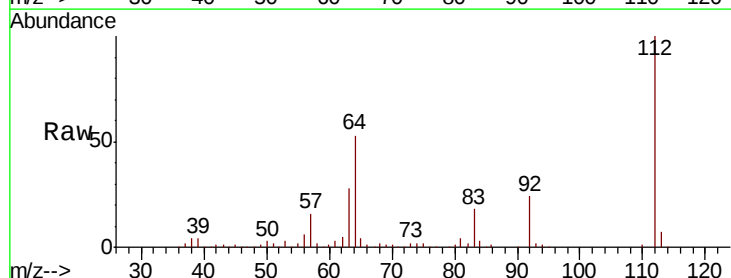
Tot Ion: 42 Resp: 277
 Ion Ratio Lower Upper
 42 100
 74 0.0 119.6 179.4#
 44 68.2 6.5 9.7#

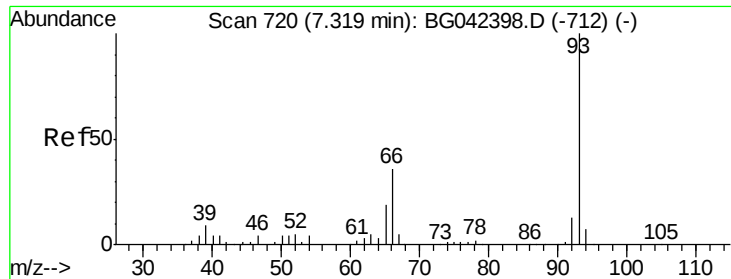


#5

2-Fluorophenol
 Concen: 132.788 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion: 112 Resp: 220915
 Ion Ratio Lower Upper
 112 100
 64 53.3 42.8 64.2
 63 27.7 22.7 34.1





#6

Aniline

Concen: 0.284 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

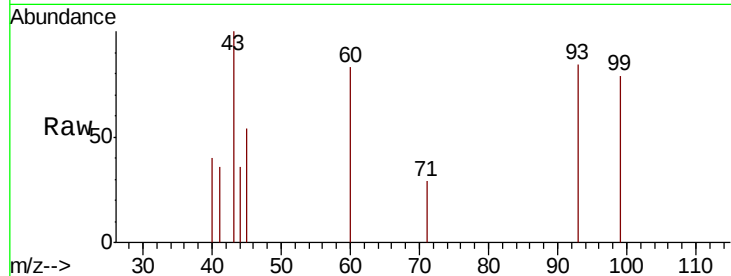
Tot Ion: 93 Resp: 851

Ion Ratio Lower Upper

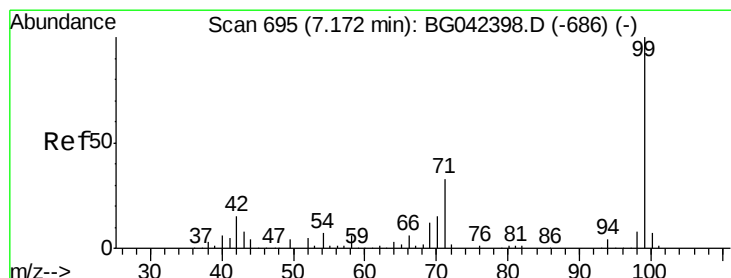
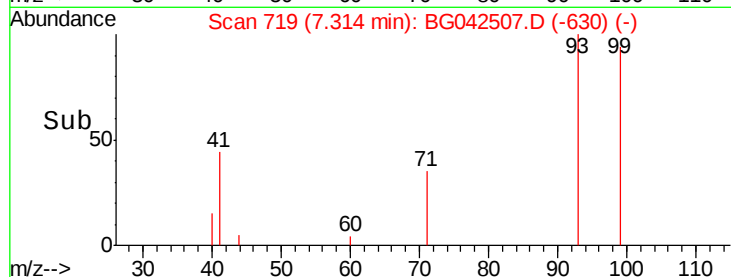
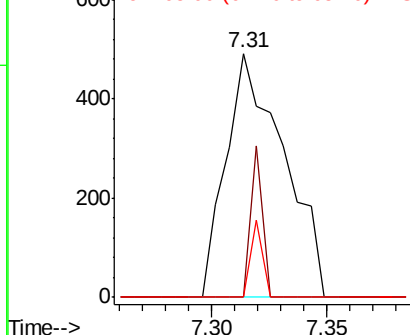
93 100

66 0.0 29.0 43.6#

65 0.0 15.2 22.8#



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: 117.776 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

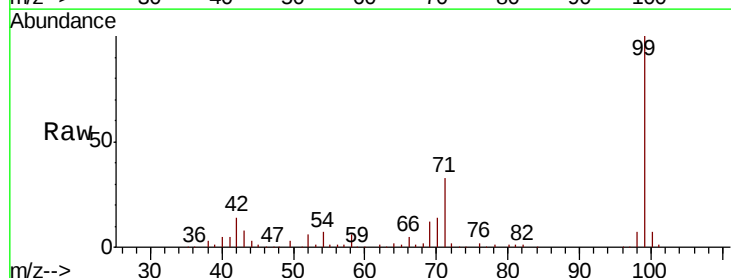
Tgt Ion: 99 Resp: 264669

Ion Ratio Lower Upper

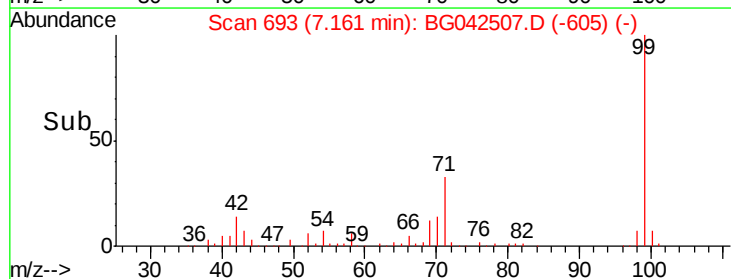
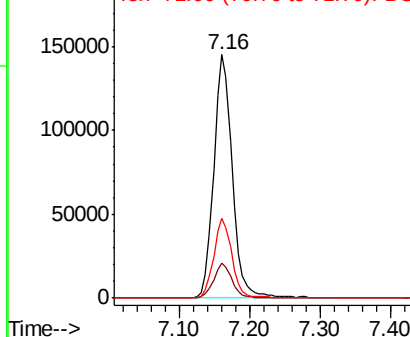
99 100

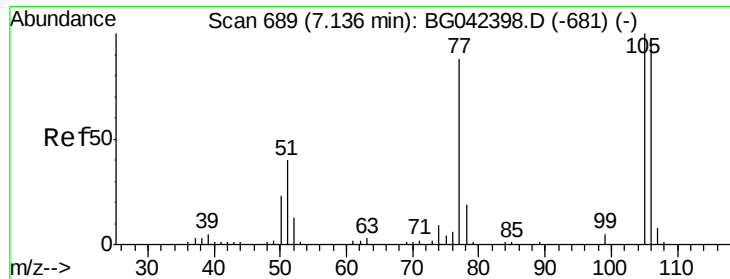
42 14.2 12.0 18.0

71 32.7 26.3 39.5



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

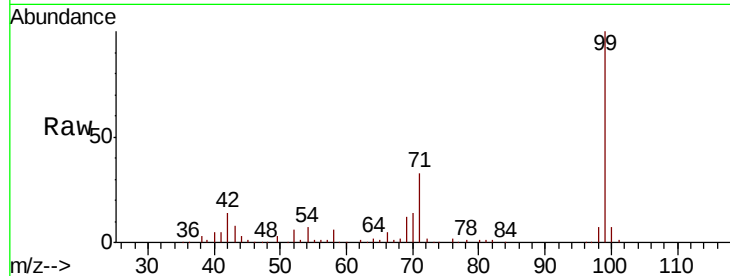




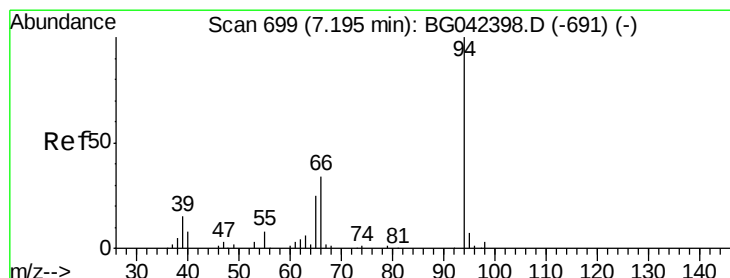
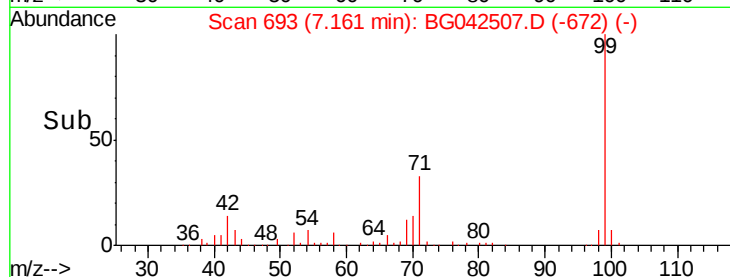
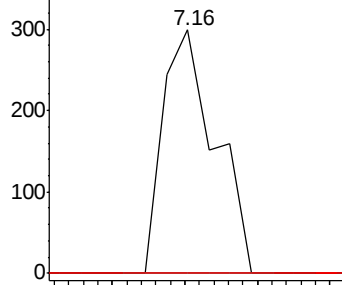
#9
Benzaldehyde
Concen: 0.268 ng
RT: 7.16 min Scan# 693
Delta R.T. 0.02 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 301
Ion Ratio Lower Upper
77 100
105 0.0 93.4 133.4#
106 0.0 88.4 128.4#

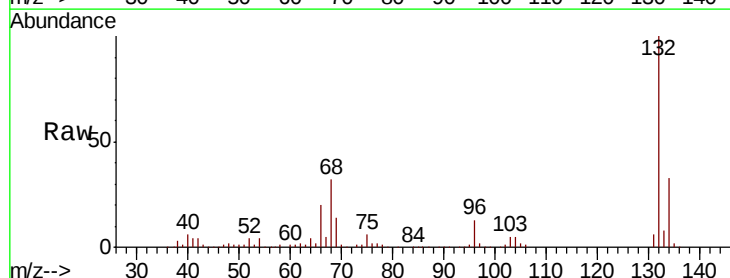


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

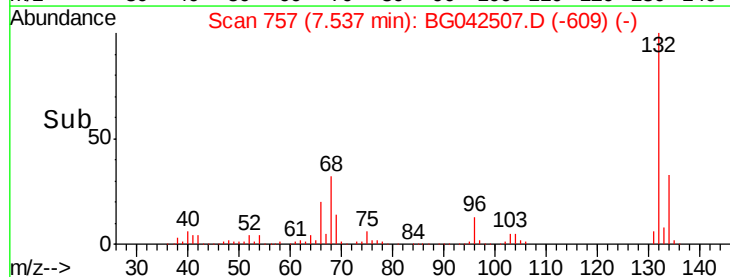
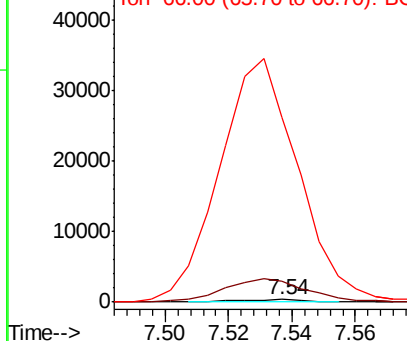


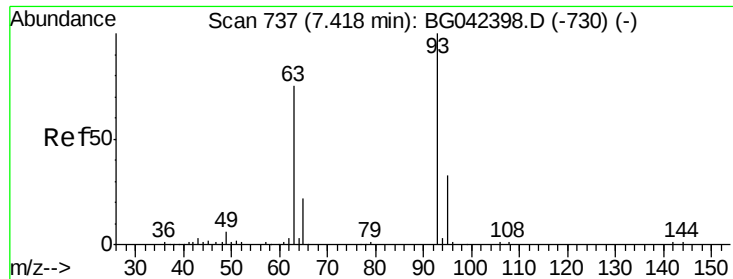
#10
Phenol
Concen: 0.206 ng
RT: 7.54 min Scan# 757
Delta R.T. 0.34 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 94 Resp: 470
Ion Ratio Lower Upper
94 100
65 897.0 5.6 45.6#
66 7753.1 16.0 56.0#



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

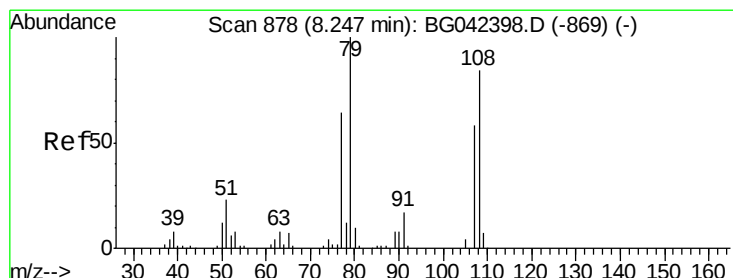
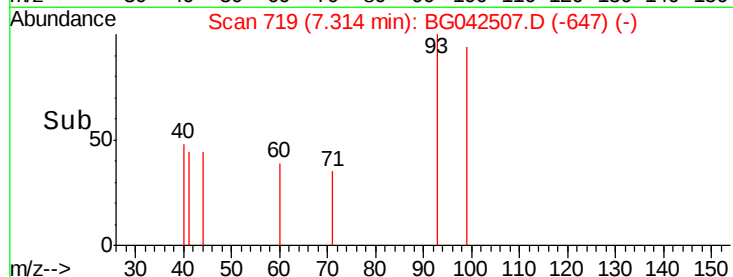
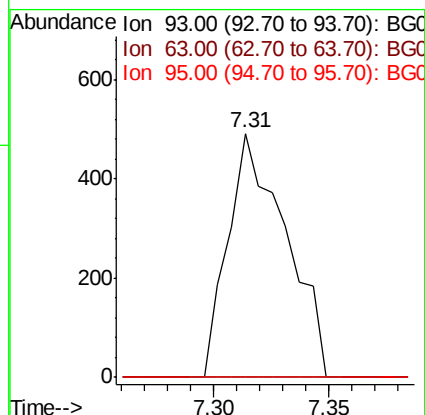
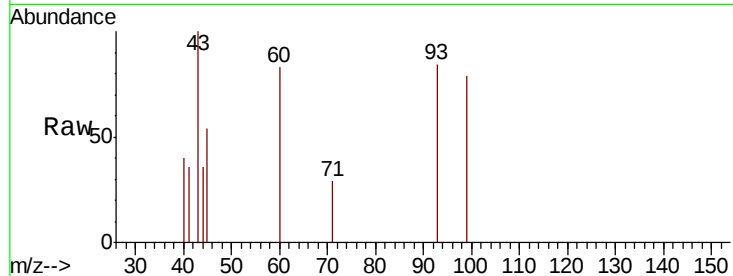




#11
bis(2-Chloroethyl)ether
Concen: 0.474 ng
RT: 7.31 min Scan# 719
Delta R.T. -0.10 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

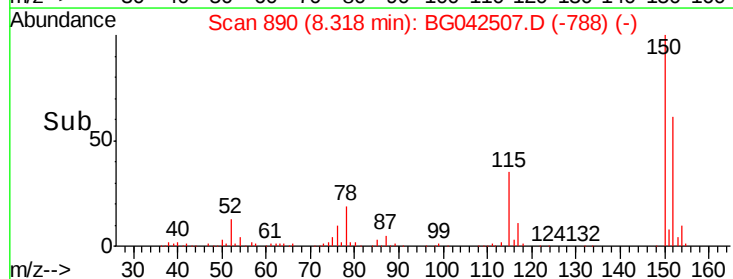
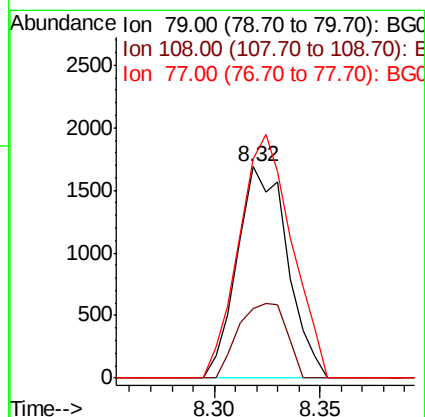
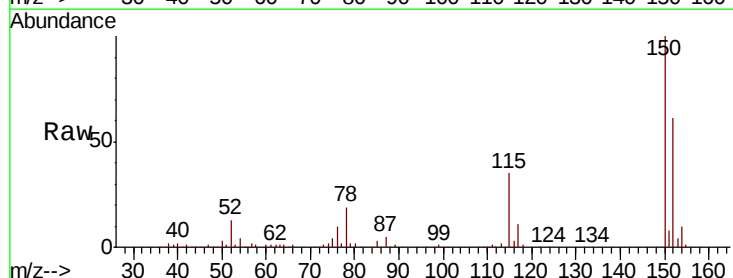
Instrument :
BNA_G
ClientSampleId :

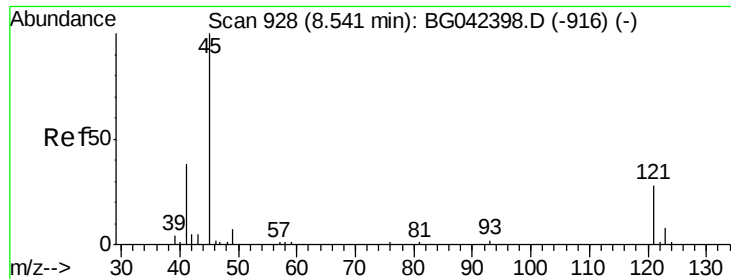
Tot Ion: 93 Resp: 851
Ion Ratio Lower Upper
93 100
63 0.0 53.8 93.8#
95 0.0 13.1 53.1#



#15
Benzyl Alcohol
Concen: 1.724 ng
RT: 8.32 min Scan# 890
Delta R.T. 0.07 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 79 Resp: 2788
Ion Ratio Lower Upper
79 100
108 33.0 67.4 101.2#
77 104.0 50.8 76.2#

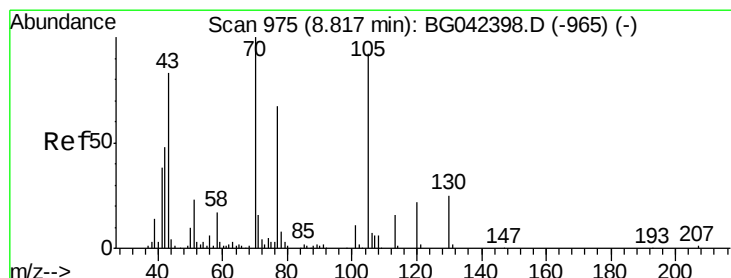
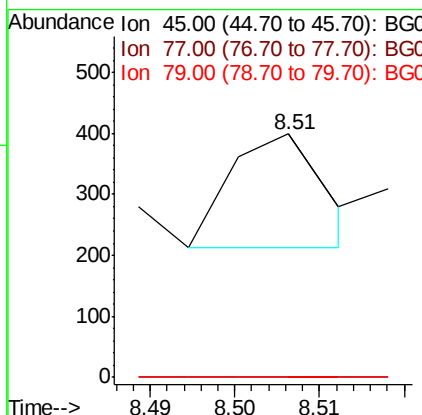
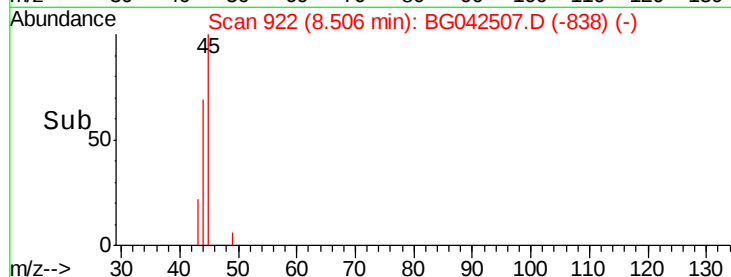
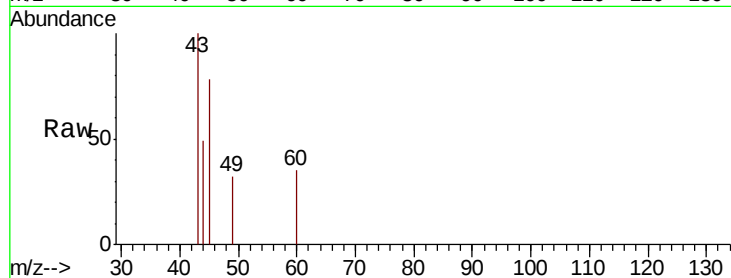




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 0.058 ng
 RT: 8.51 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

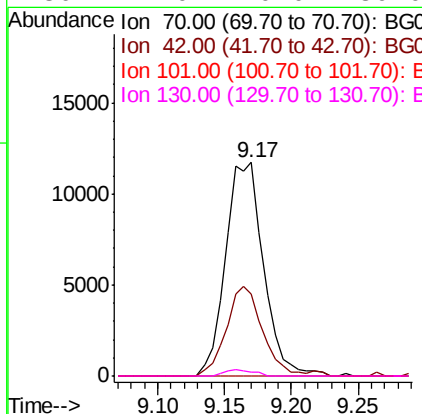
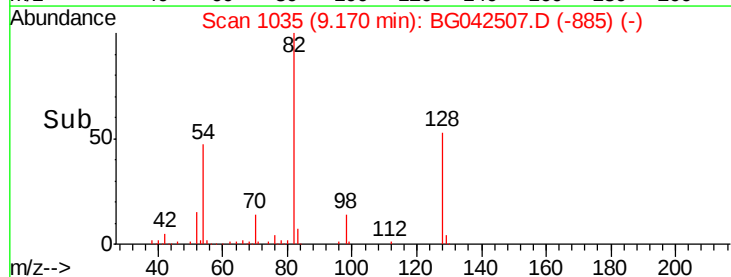
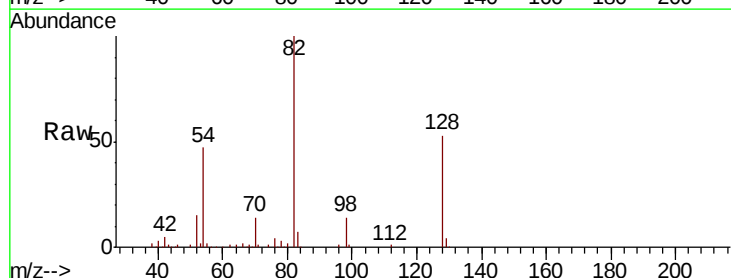
Instrument :
 BNA_G
 ClientSampled :

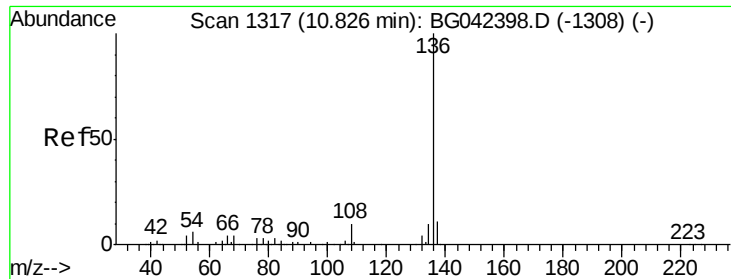
Tot Ion: 45 Resp: 142
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 35.6
 79 0.0 0.0 31.6



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.981 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. 0.35 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion: 70 Resp: 23266
 Ion Ratio Lower Upper
 70 100
 42 38.6 38.8 58.2#
 101 0.0 9.0 13.6#
 130 2.0 20.0 30.0#

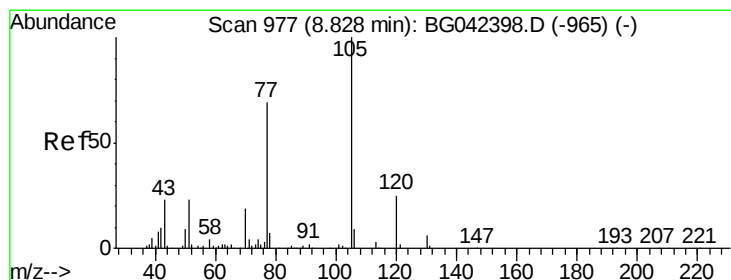
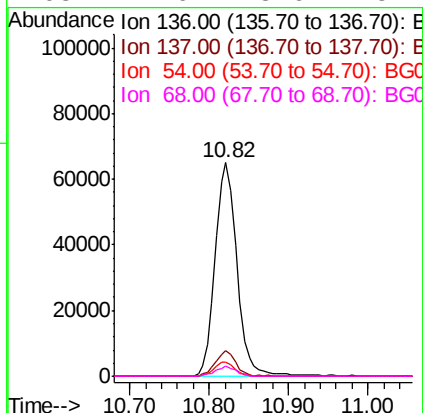
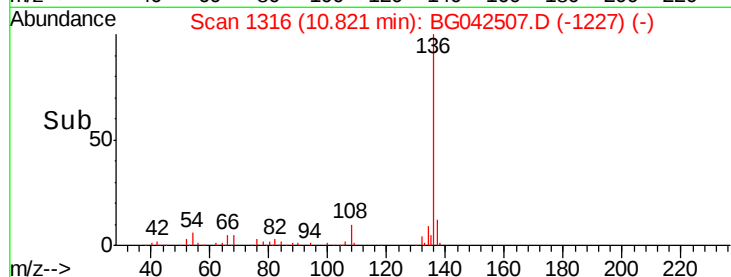
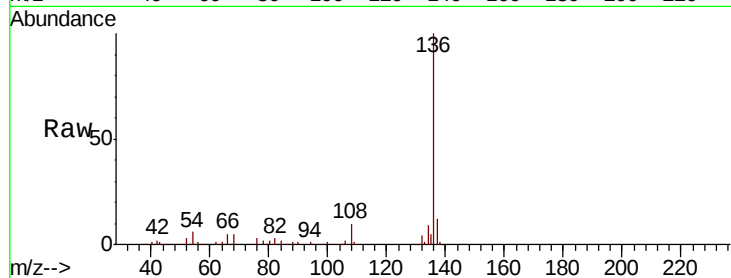




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

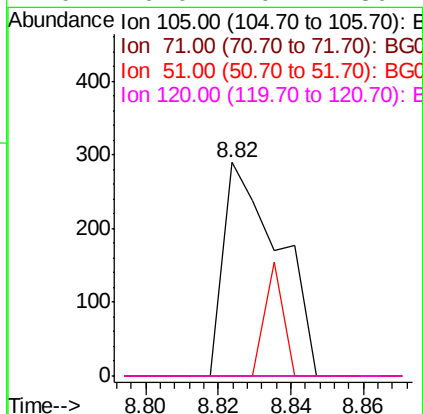
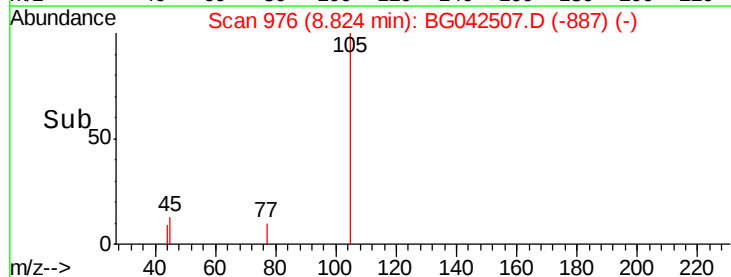
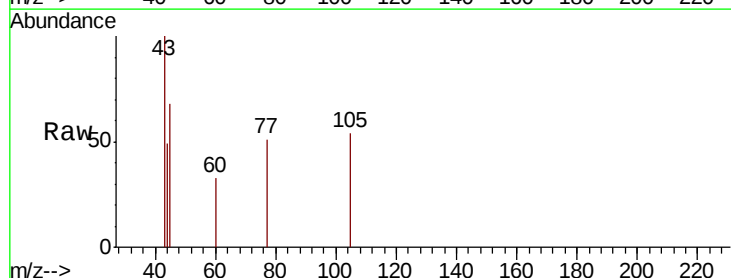
Instrument :
BNA_G
ClientSampleId :

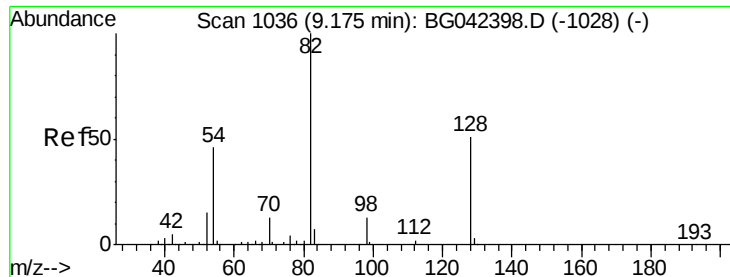
Tot Ion:136	Resp:	124140
Ion	Ratio	Lower Upper
136	100	
137	11.9	8.7 13.1
54	6.4	4.9 7.3
68	4.6	3.6 5.4



#22
Acetophenone
Concen: 0.116 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:105	Resp:	309
Ion	Ratio	Lower Upper
105	100	
71	0.0	2.8 4.2#
51	0.0	18.7 28.1#
120	0.0	20.1 30.1#

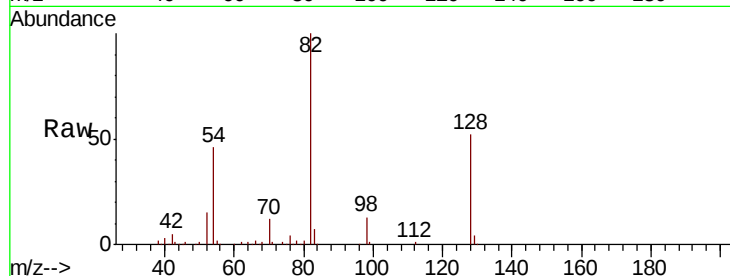




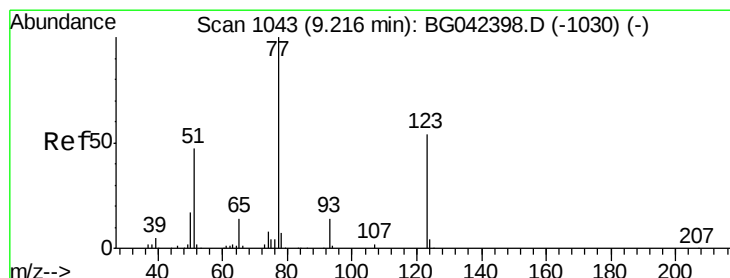
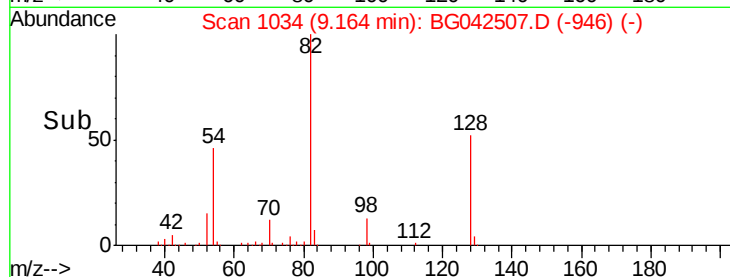
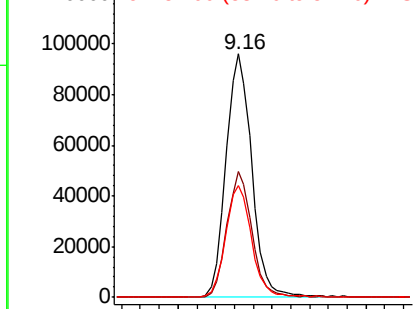
#23
Nitrobenzene-d5
Concen: 101.885 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	183029
Ion Ratio	Lower	Upper	
82	100		
128	51.8	40.7	61.1
54	45.7	36.3	54.5

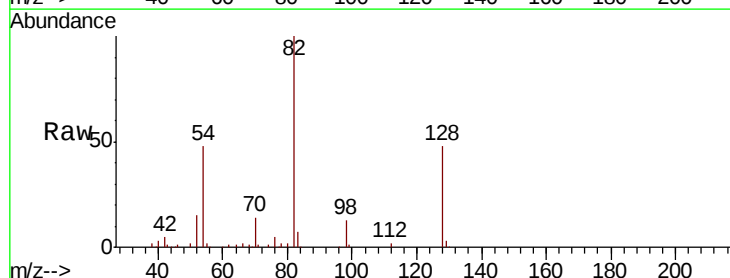


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

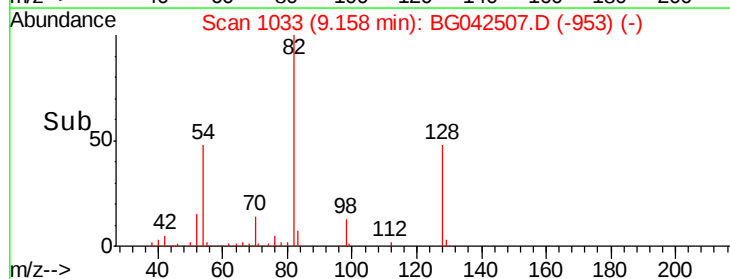
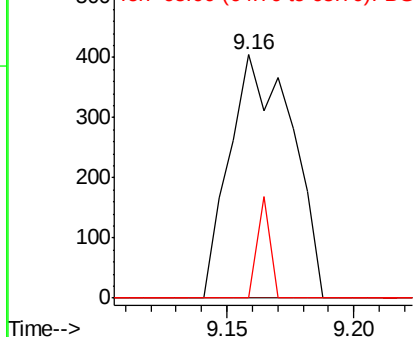


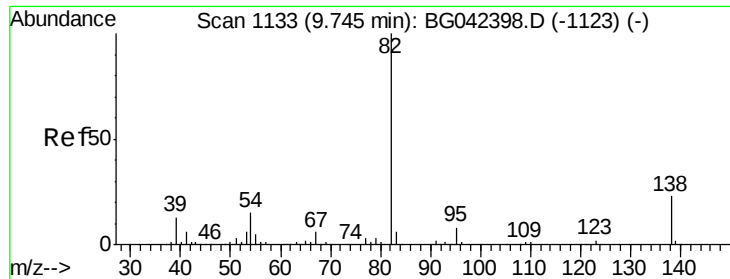
#24
Nitrobenzene
Concen: 0.382 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion	77	Resp	695
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.4	65.0#
65	0.0	11.0	16.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.016 ng

RT: 9.83 min Scan# 1147

Delta R.T. 0.08 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

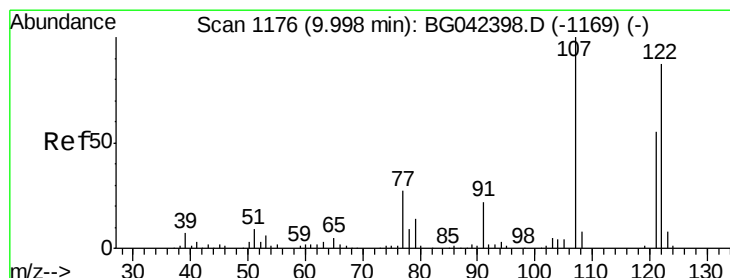
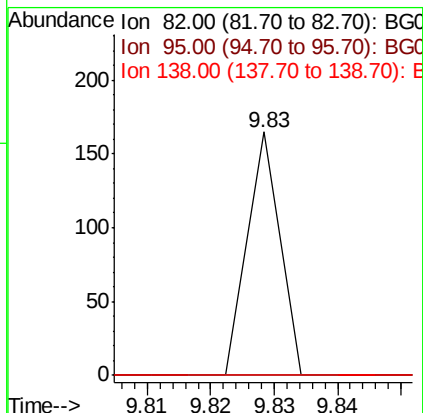
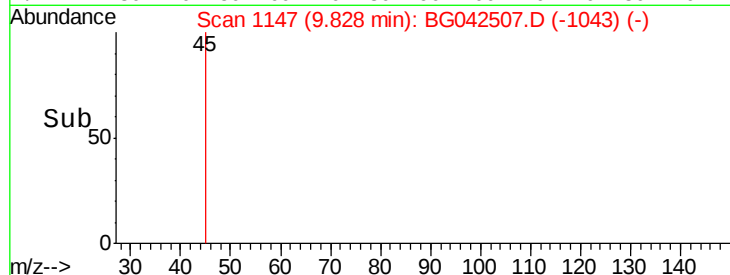
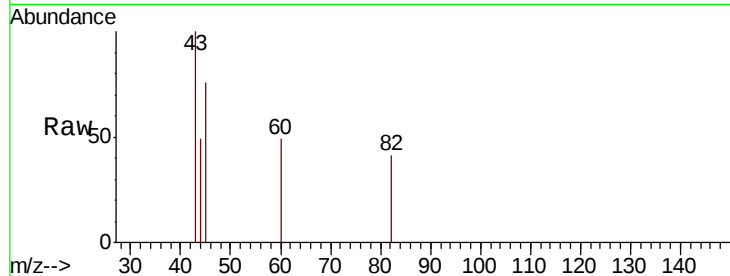
Tot Ion: 82 Resp: 58

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

138 0.0 18.6 27.8#



#27

2,4-Dimethylphenol

Concen: 0.034 ng

RT: 10.03 min Scan# 1182

Delta R.T. 0.04 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

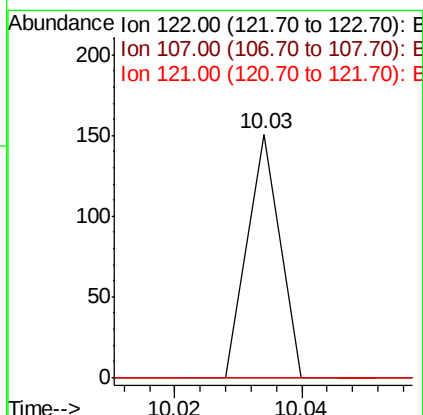
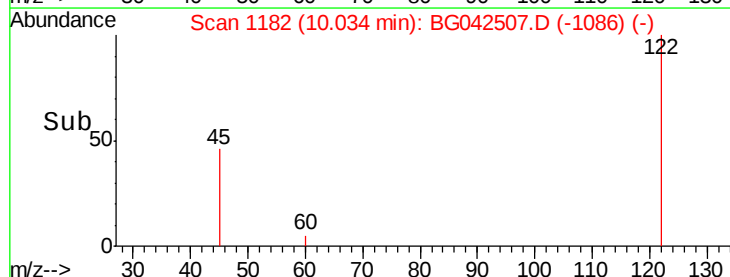
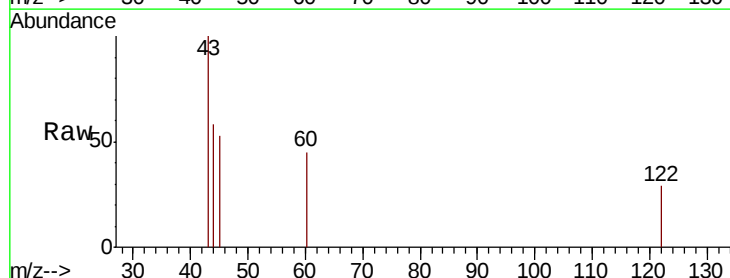
Tgt Ion: 122 Resp: 53

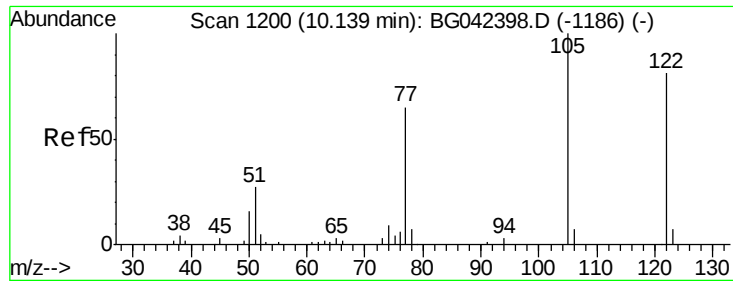
Ion Ratio Lower Upper

122 100

107 0.0 90.8 136.2#

121 0.0 49.6 74.4#





#32

Benzoic acid

Concen: 8.208 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.10 min

Lab File: BG042507.D

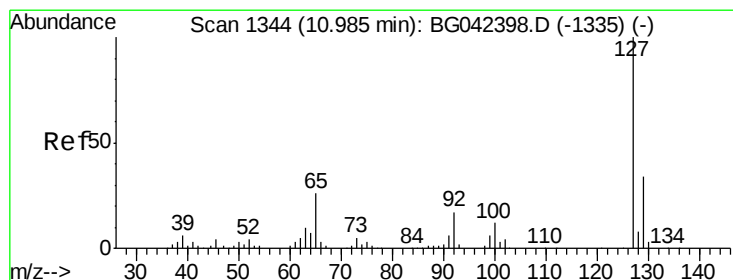
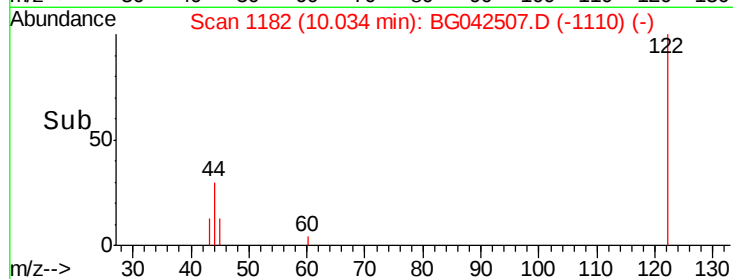
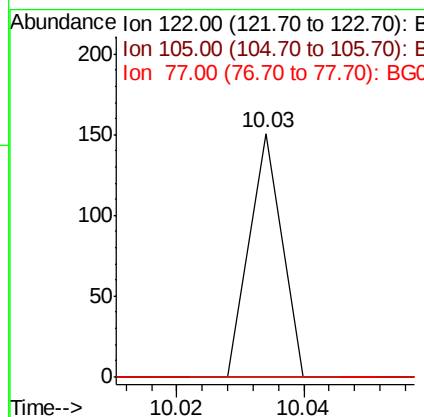
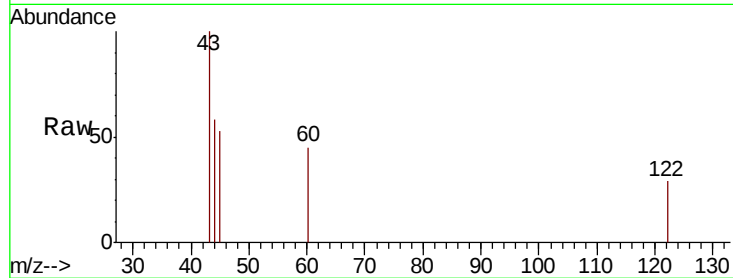
Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	53
Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.6	139.6#
77	0.0	59.5	99.5#



#33

4-Chloroaniline

Concen: 0.023 ng

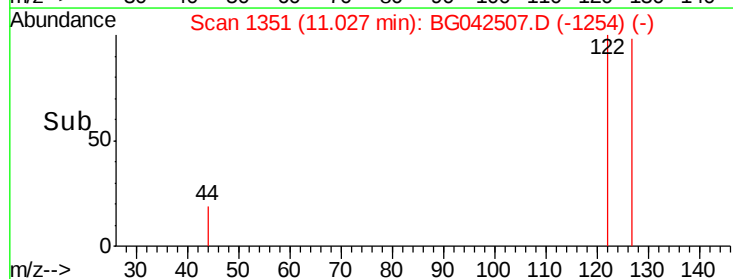
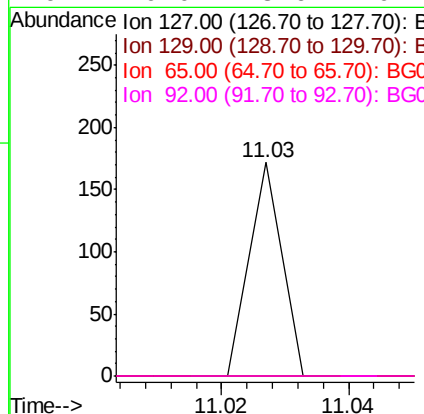
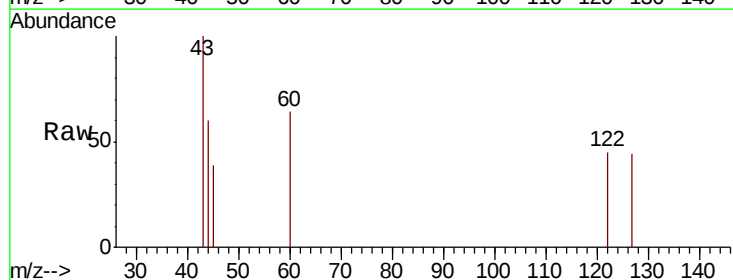
RT: 11.03 min Scan# 1351

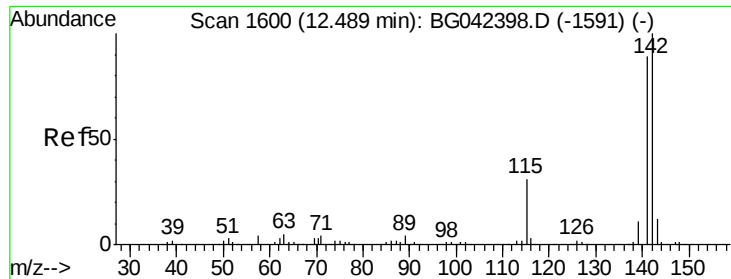
Delta R.T. 0.04 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Tgt Ion:	127	Resp:	61
Ion	Ratio	Lower	Upper
127	100		
129	0.0	26.8	40.2#
65	0.0	20.7	31.1#
92	0.0	13.6	20.4#

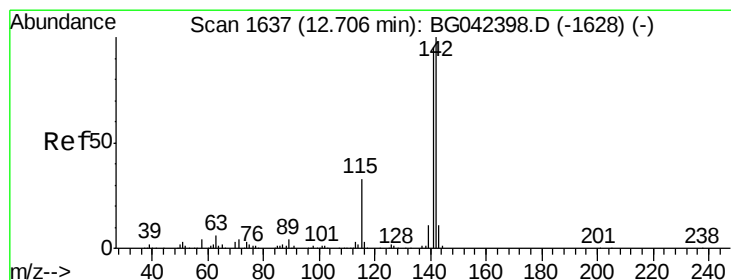
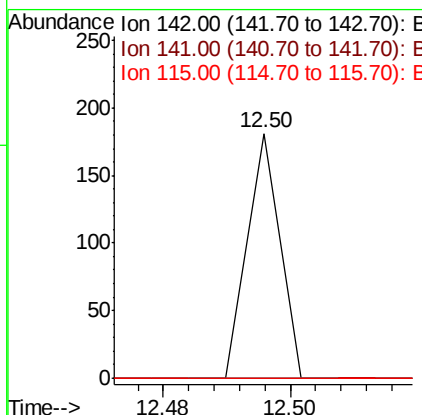
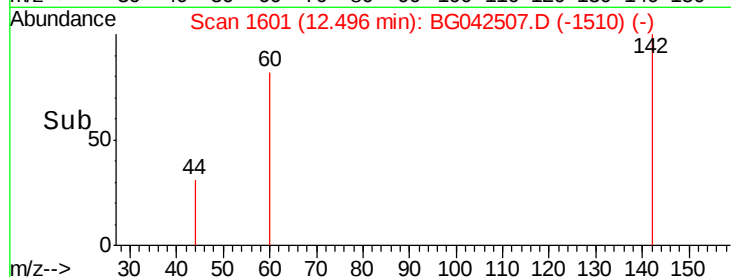
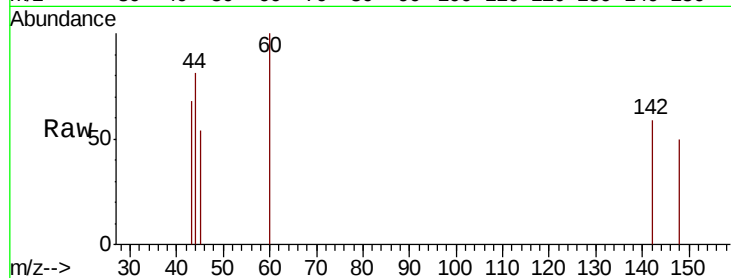




#37
2-Methylnaphthalene
Concen: 0.014 ng
RT: 12.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

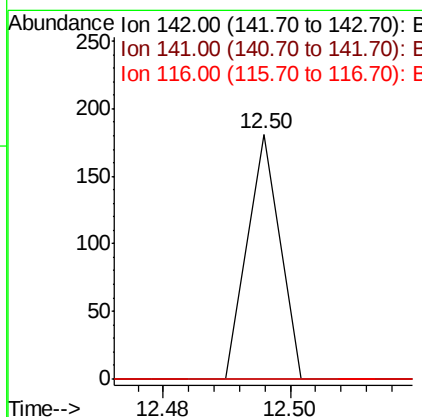
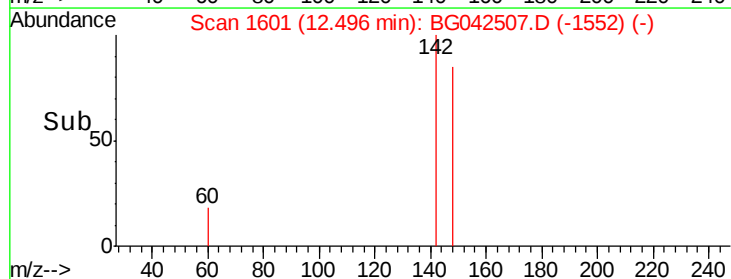
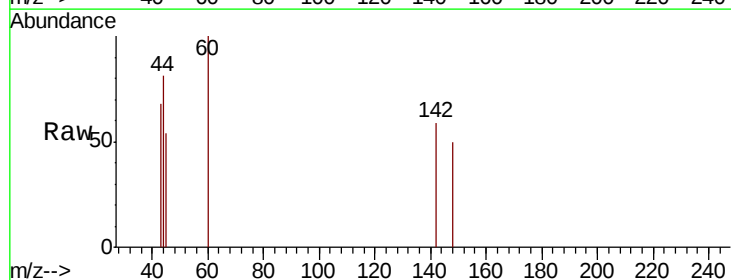
Instrument :
BNA_G
ClientSampleId :

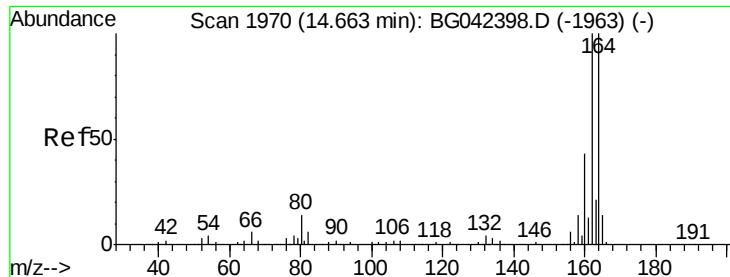
Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
141 0.0 71.4 107.2#
115 0.0 25.2 37.8#



#38
1-Methylnaphthalene
Concen: 0.015 ng
RT: 12.50 min Scan# 1601
Delta R.T. -0.21 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
141 0.0 76.2 114.2#
116 0.0 2.8 4.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

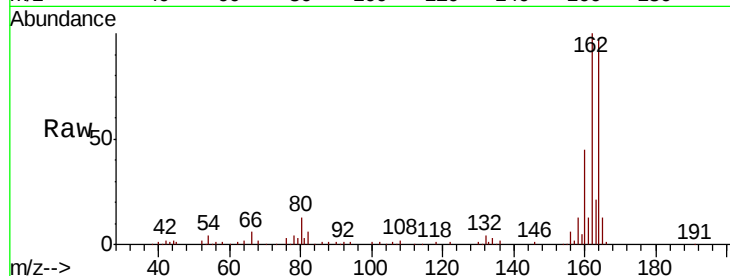
Tot Ion:164 Resp: 88817

Ion Ratio Lower Upper

164 100

162 103.2 79.9 119.9

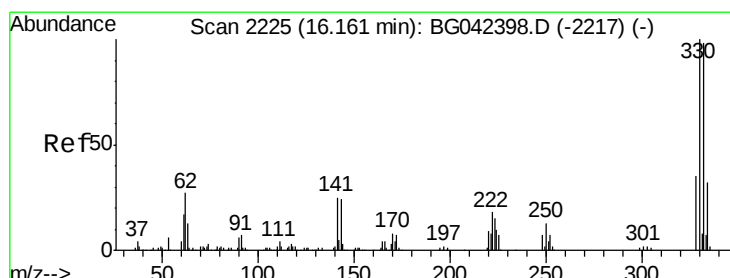
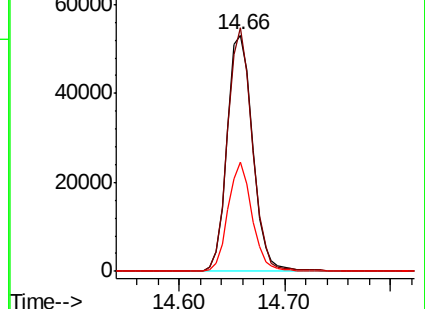
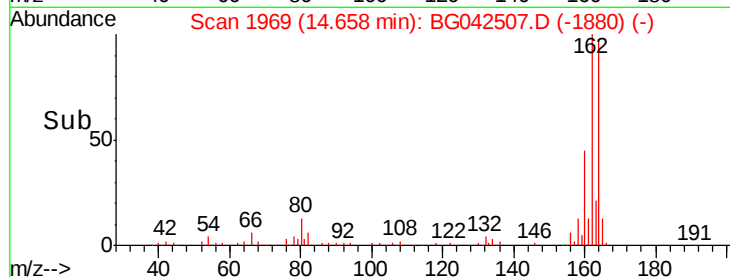
160 46.5 34.3 51.5



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: 152.014 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

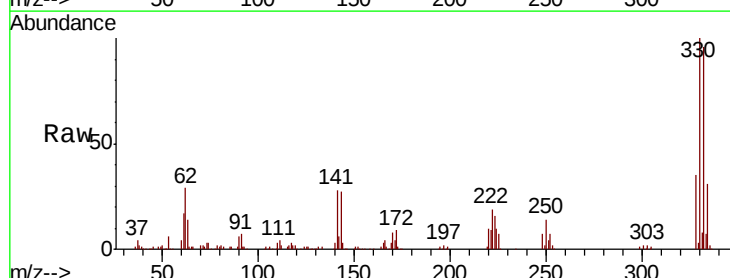
Tgt Ion:330 Resp: 191901

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

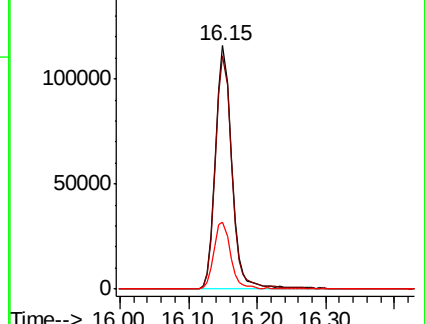
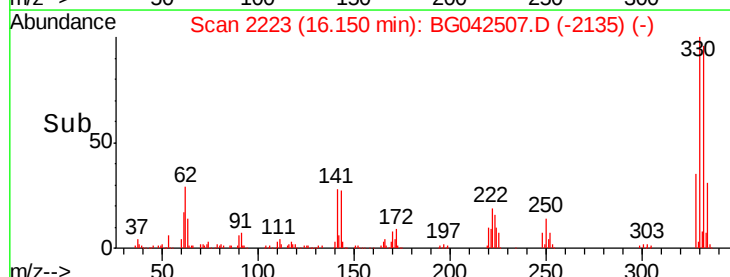
141 28.4 21.4 32.0

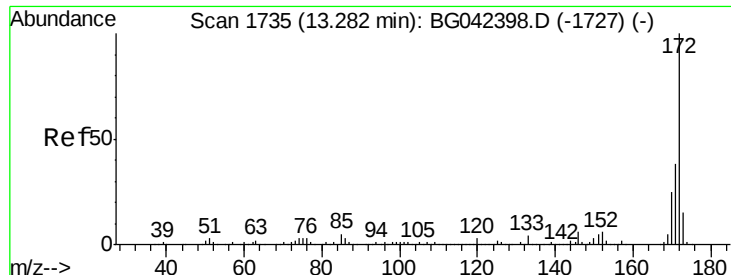


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

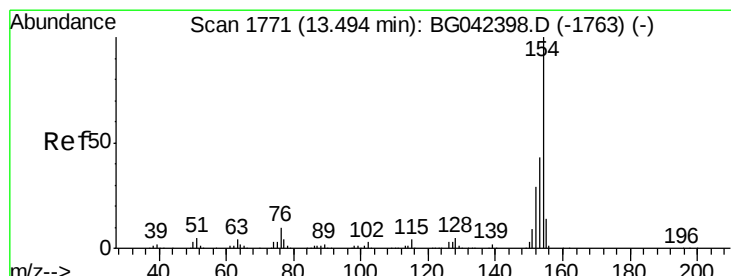
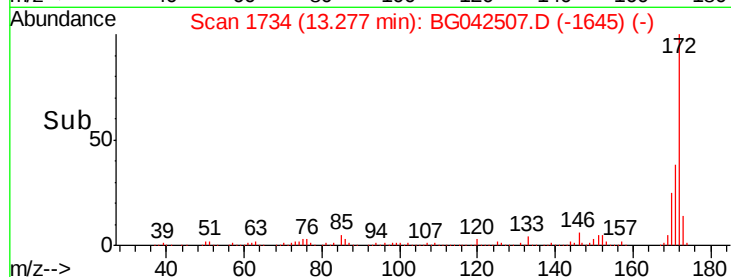
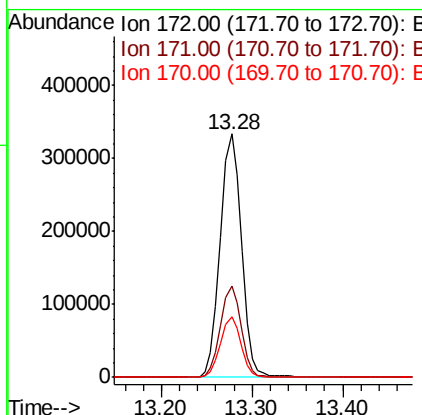
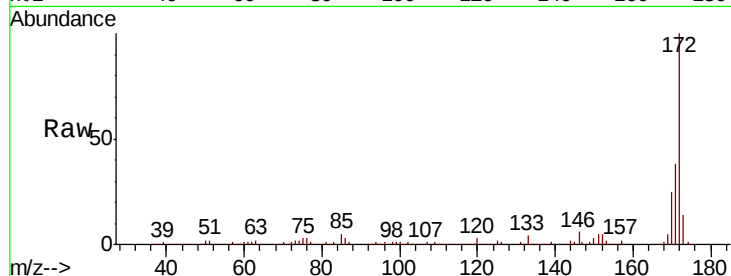




#45
 2-Fluorobiphenyl
 Concen: 103.966 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

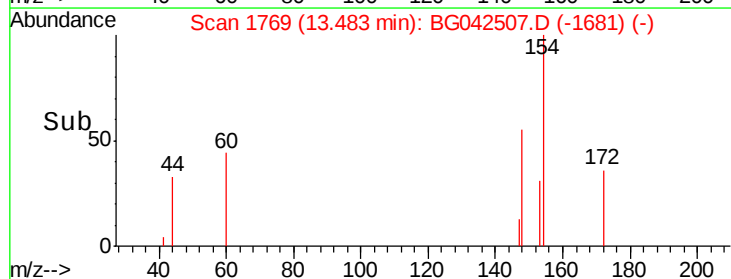
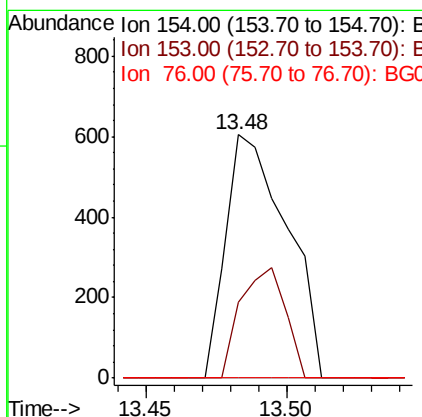
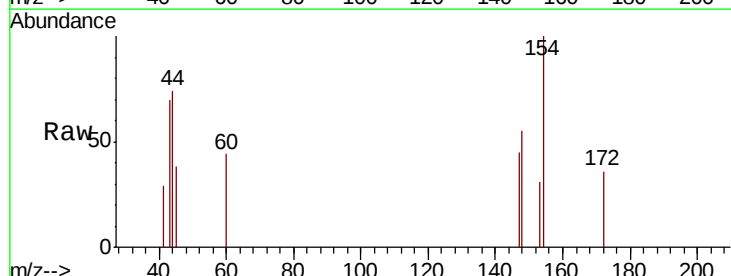
Instrument :
 BNA_G
 ClientSampleId :

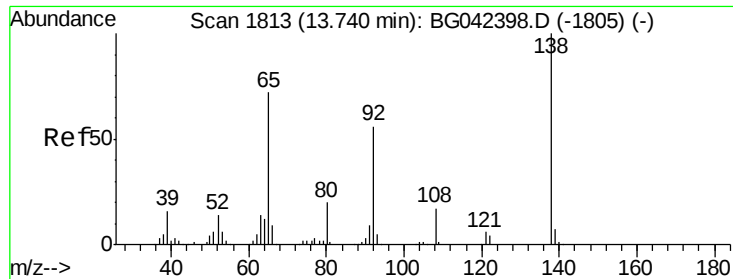
Tot Ion	172	Resp	545970
Ion Ratio	Lower	Upper	
172	100		
171	37.7	30.5	45.7
170	24.7	20.2	30.2



#46
 1,1'-Biphenyl
 Concen: 0.158 ng
 RT: 13.48 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	154	Resp	906
Ion Ratio	Lower	Upper	
154	100		
153	31.4	23.0	63.0
76	0.0	0.0	29.6





#48

2-Nitroaniline

Concen: 0.637 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.46 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

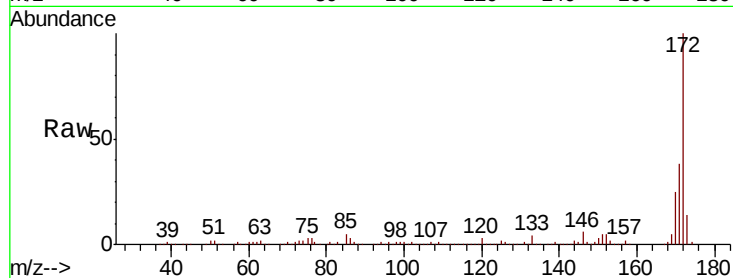
Tot Ion: 65 Resp: 760

Ion Ratio Lower Upper

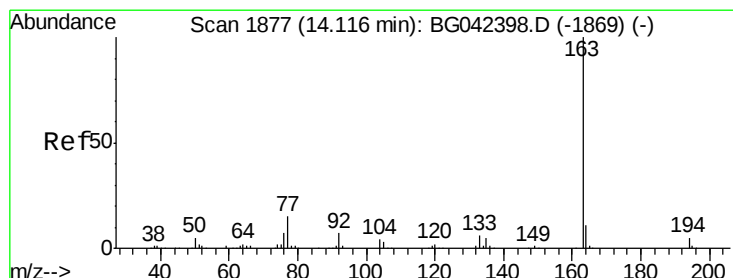
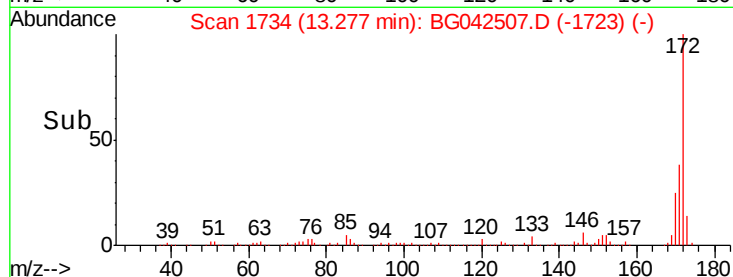
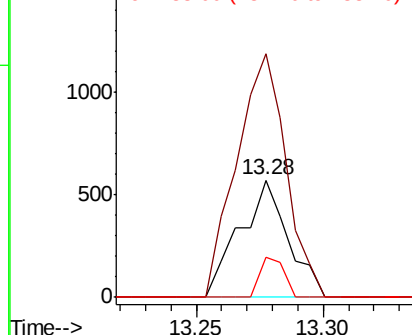
65 100

92 207.7 61.8 92.6#

138 34.3 111.0 166.6#



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): BGC



#50

Dimethylphthalate

Concen: 0.042 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

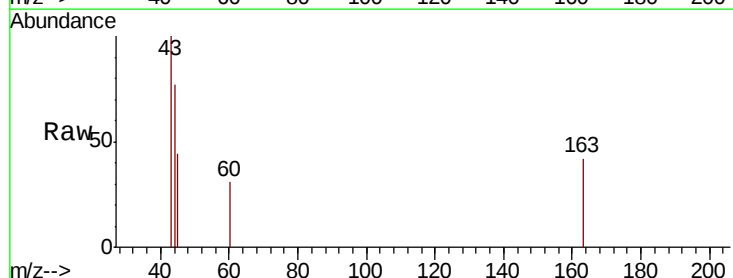
Tgt Ion: 163 Resp: 270

Ion Ratio Lower Upper

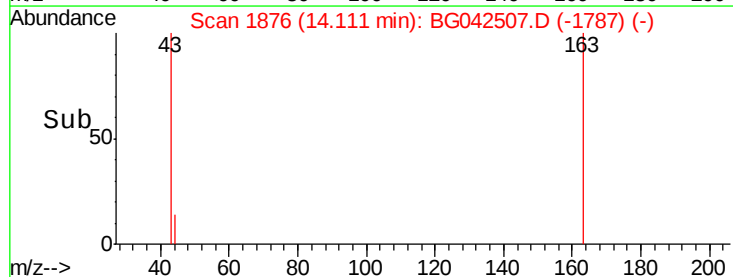
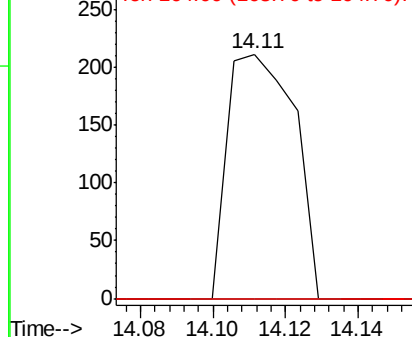
163 100

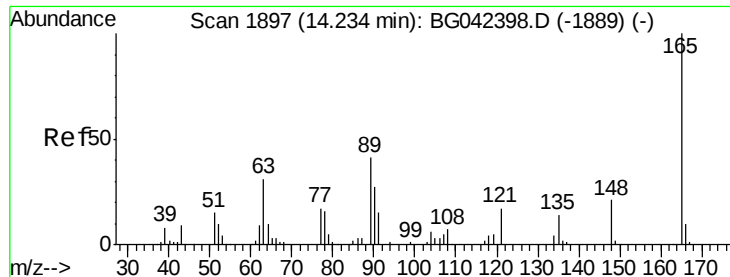
194 0.0 4.2 6.2#

164 0.0 8.8 13.2#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

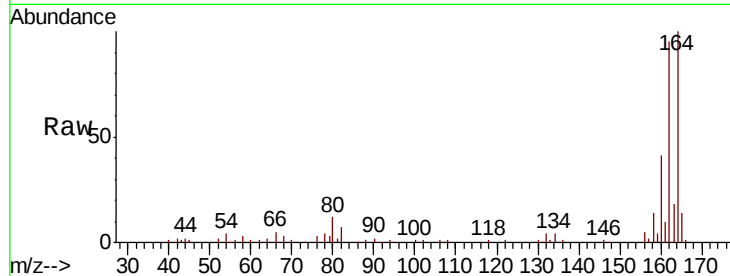




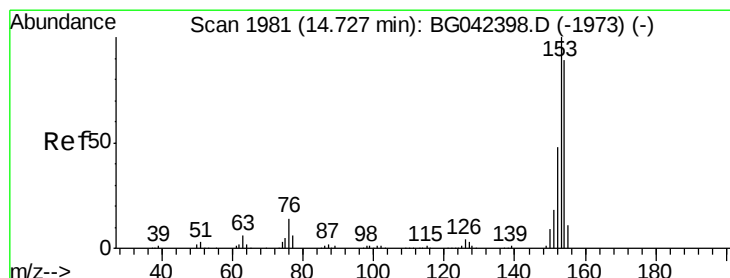
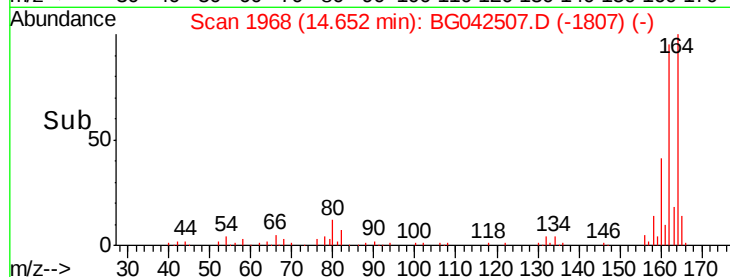
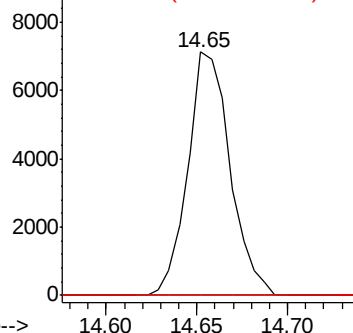
#51
 2,6-Dinitrotoluene
 Concen: 7.769 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#

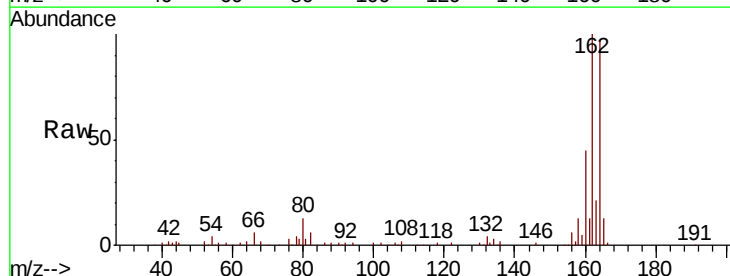


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

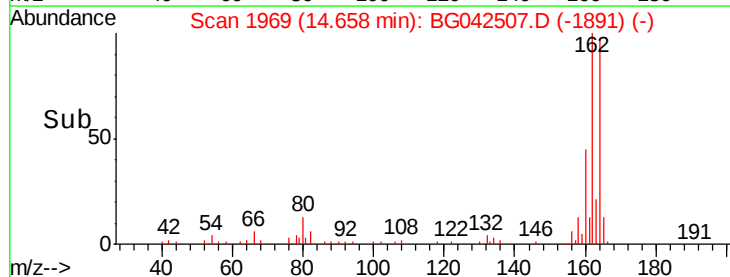
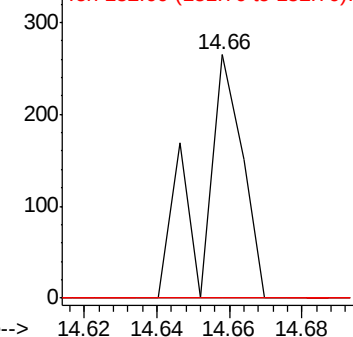


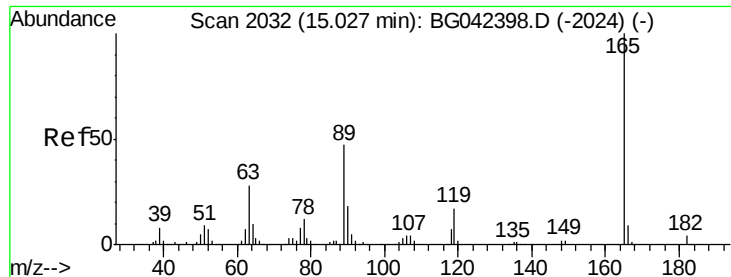
#52
 Acenaphthene
 Concen: 0.046 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.07 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.2	135.4#
152	0.0	43.2	64.8#



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

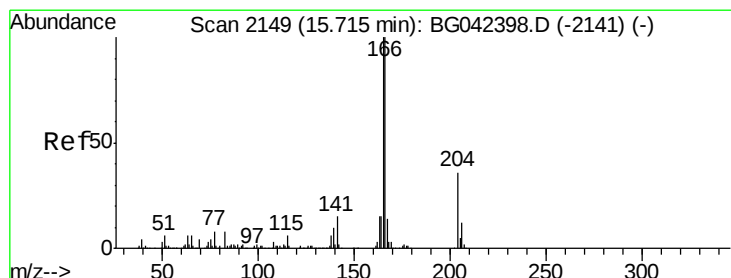
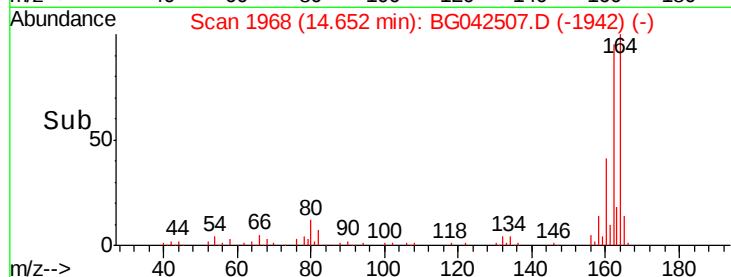
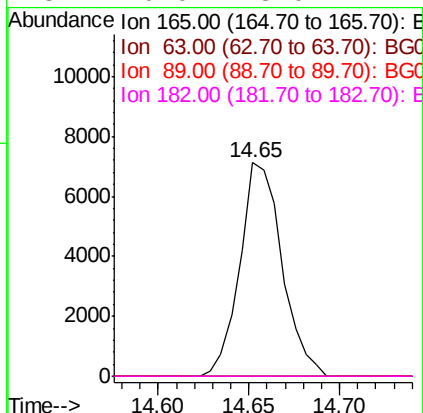
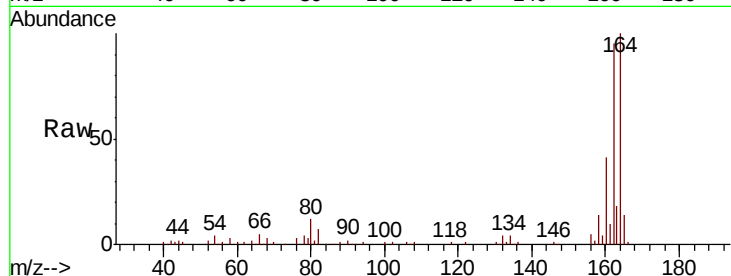




#57
 2,4-Dinitrotoluene
 Concen: 5.425 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

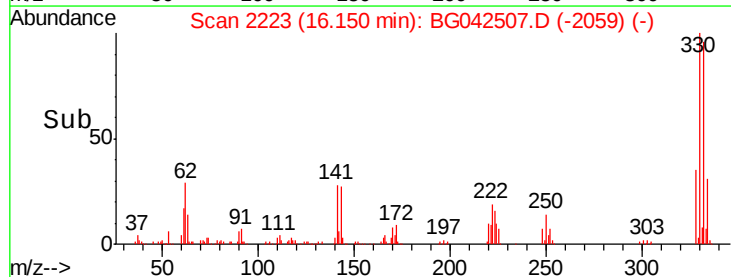
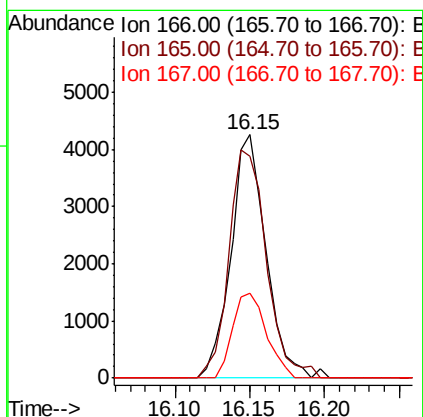
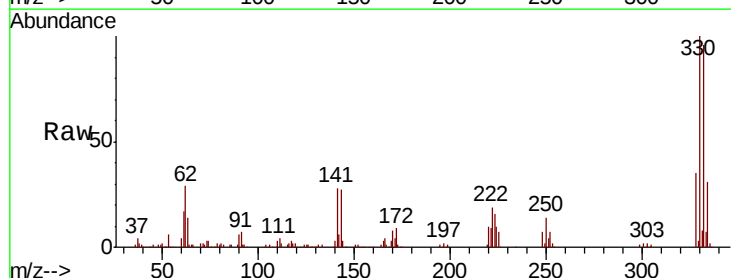
Instrument :
 BNA_G
 ClientSampleId :

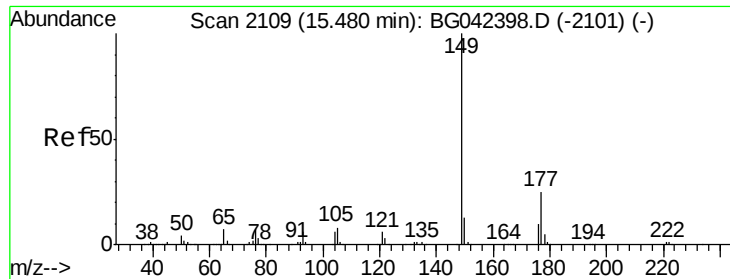
Tot Ion:165	Resp:	11540
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.5 33.7#
89	0.0	37.8 56.6#
182	0.0	3.0 4.4#



#58
 Fluorene
 Concen: 1.145 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.44 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion:166	Resp:	7005
Ion Ratio	Lower	Upper
166	100	
165	91.2	79.7 119.5
167	34.7	10.9 16.3#

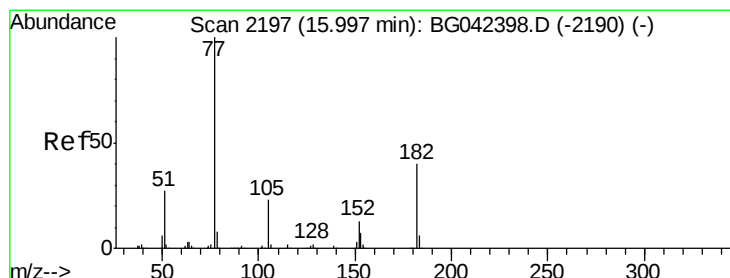
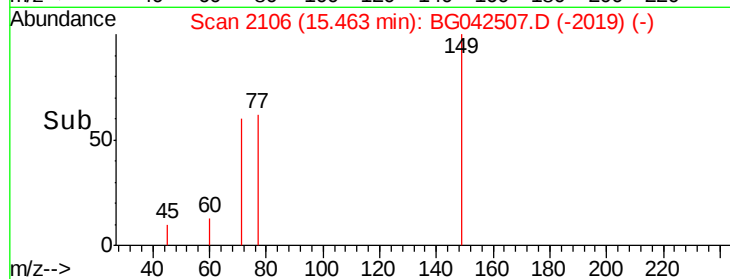
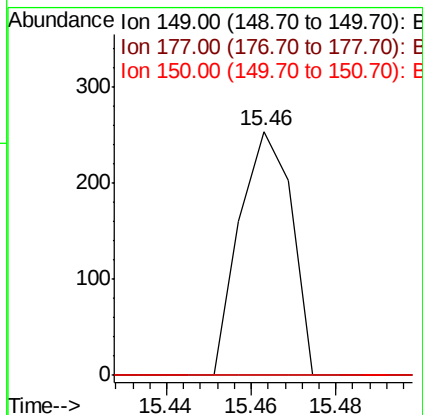
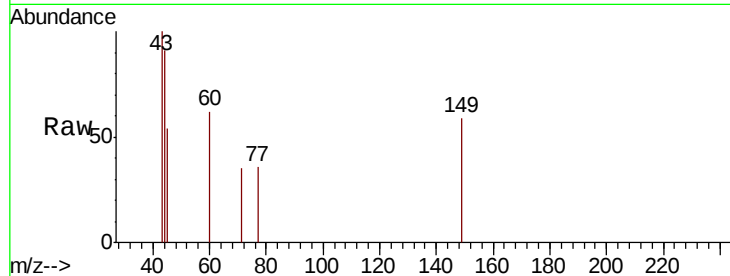




#60
Diethylphthalate
Concen: 0.035 ng
RT: 15.46 min Scan# 2106
Delta R.T. -0.02 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

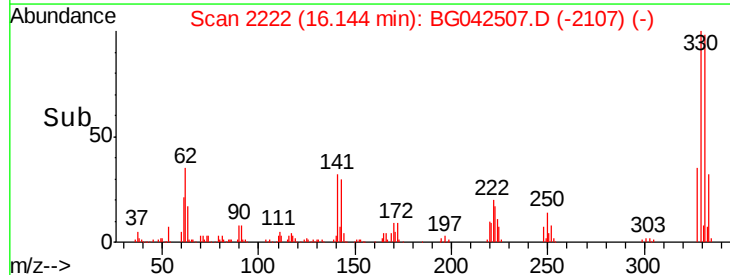
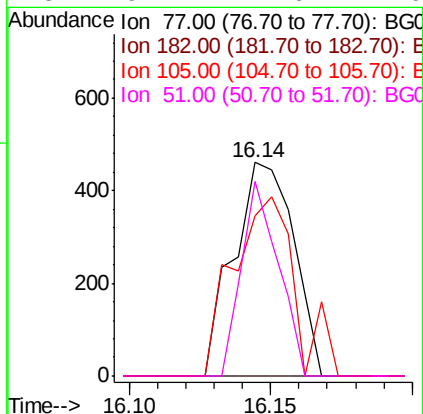
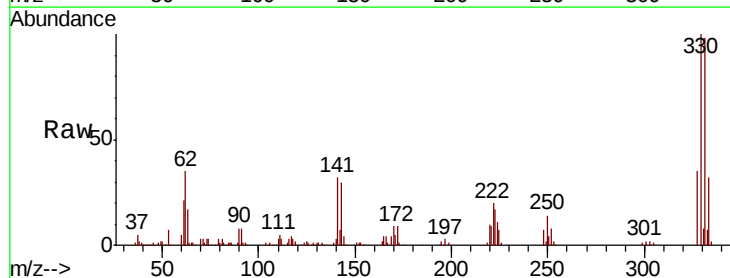
Instrument :
BNA_G
ClientSampleId :

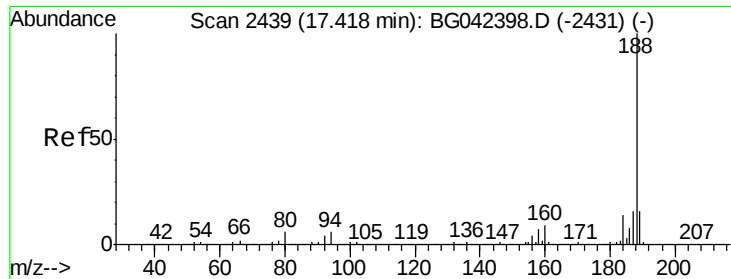
Tot Ion:149 Resp: 217
Ion Ratio Lower Upper
149 100
177 0.0 20.4 30.6#
150 0.0 10.3 15.5#



#63
Azobenzene
Concen: 0.159 ng
RT: 16.14 min Scan# 2222
Delta R.T. 0.15 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 77 Resp: 682
Ion Ratio Lower Upper
77 100
182 0.0 19.9 59.9#
105 75.1 2.9 42.9#
51 91.1 7.6 47.6#

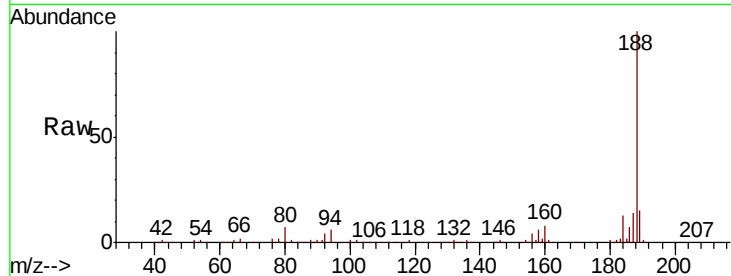




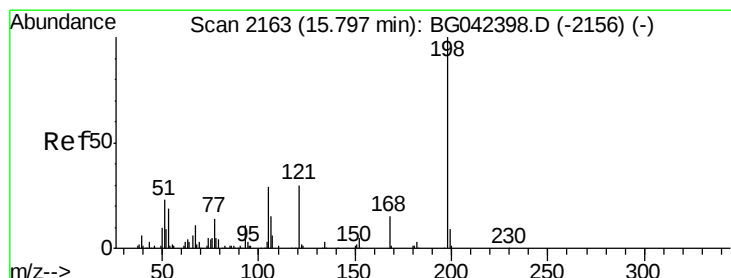
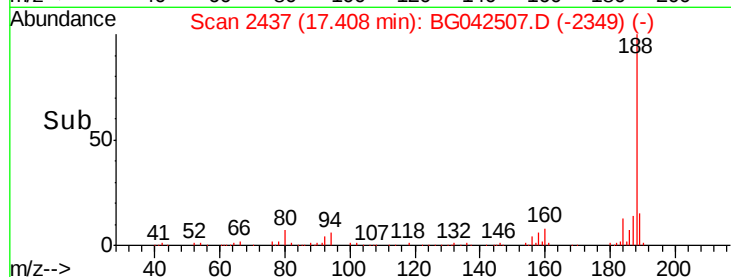
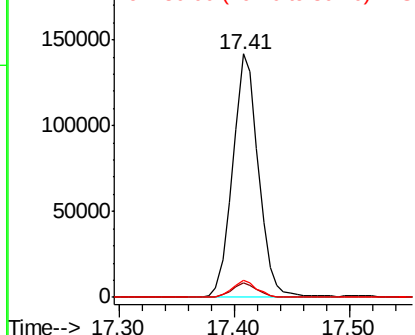
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 219034
 Ion Ratio Lower Upper
 188 100
 94 5.9 4.5 6.7
 80 6.8 4.9 7.3

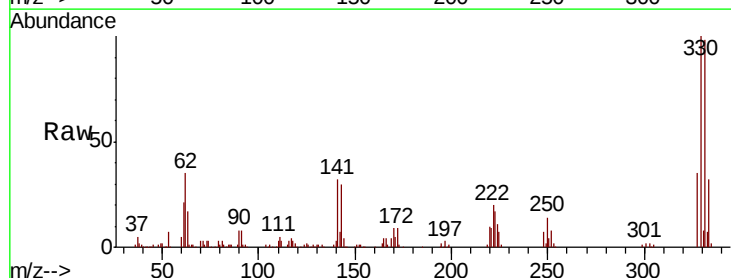


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

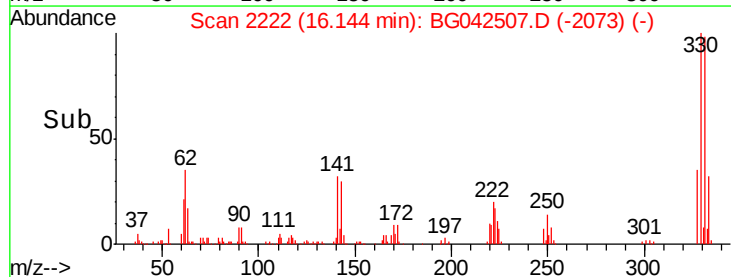
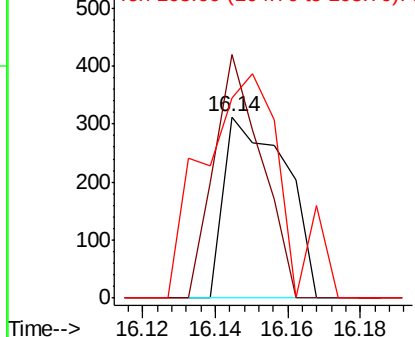


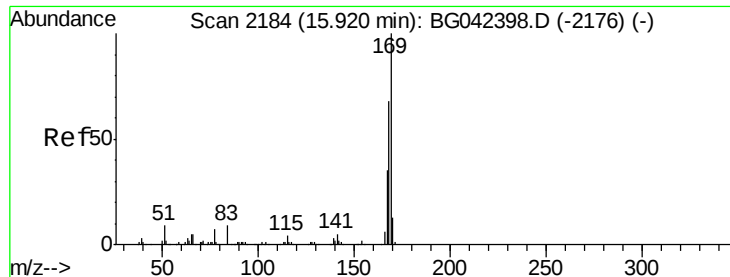
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.269 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.35 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion:198 Resp: 369
 Ion Ratio Lower Upper
 198 100
 51 134.6 4.2 44.2#
 105 110.9 8.8 48.8#



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

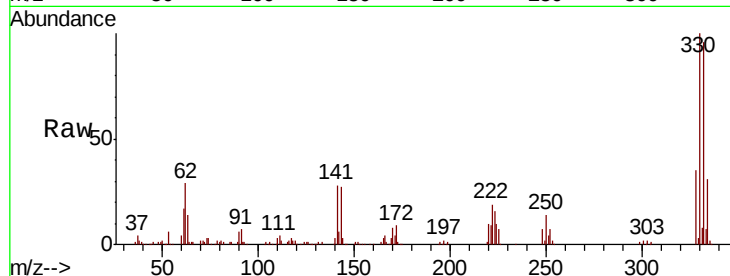




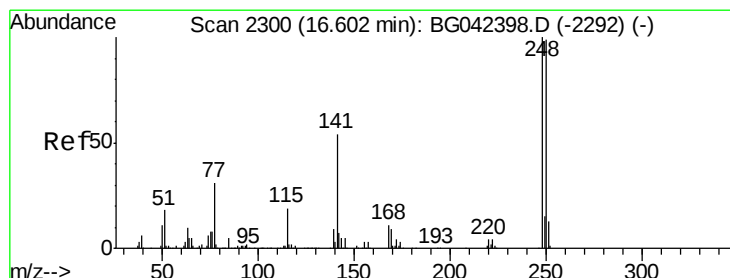
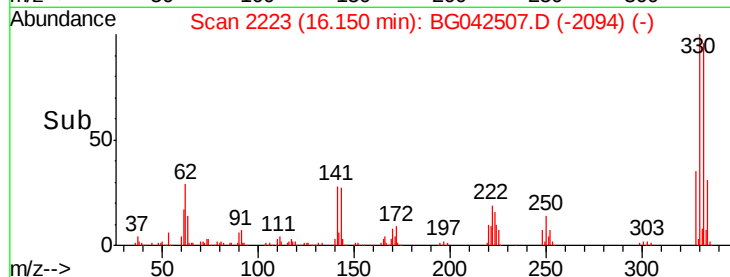
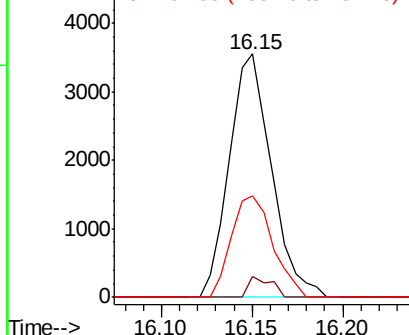
#66
 n-Nitrosodiphenylamine
 Concen: 0.954 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.23 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 5749
 Ion Ratio Lower Upper
 169 100
 168 8.7 54.3 81.5#
 167 41.6 28.2 42.2

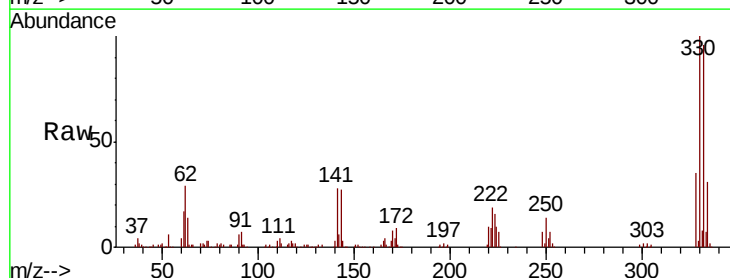


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

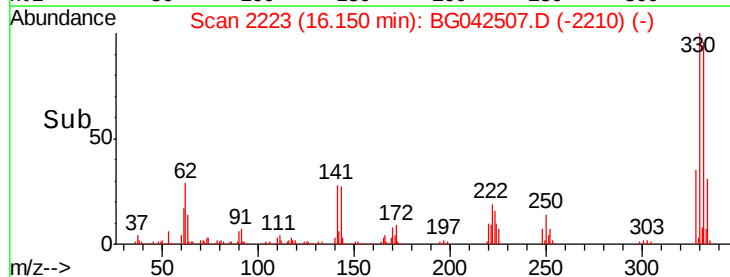
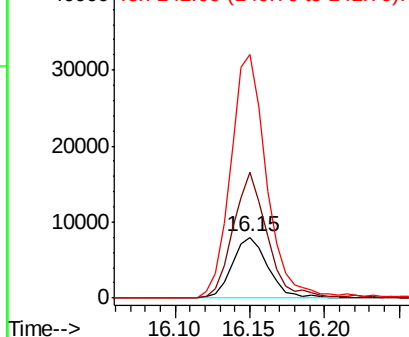


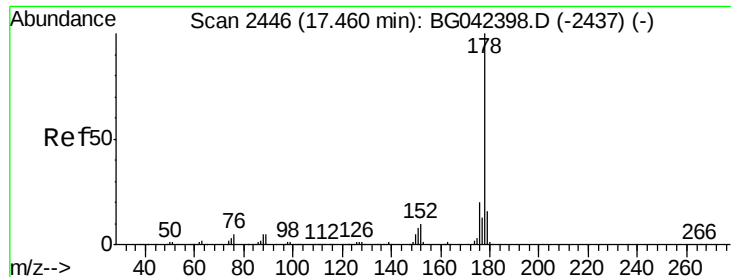
#67
 4-Bromophenyl-phenylether
 Concen: 4.798 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion:248 Resp: 13330
 Ion Ratio Lower Upper
 248 100
 250 205.2 78.9 118.3#
 141 398.3 43.3 64.9#



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

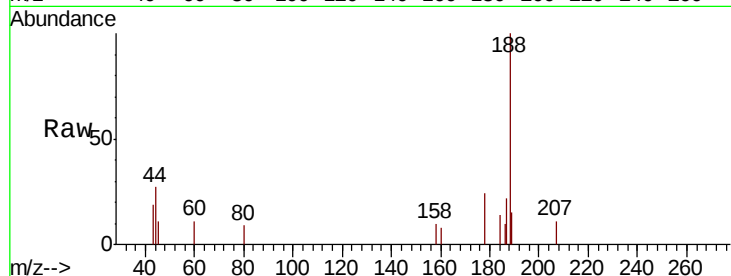




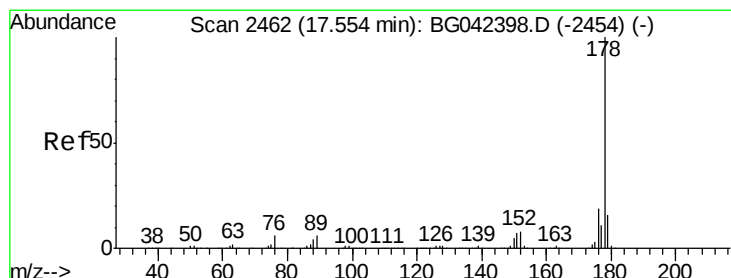
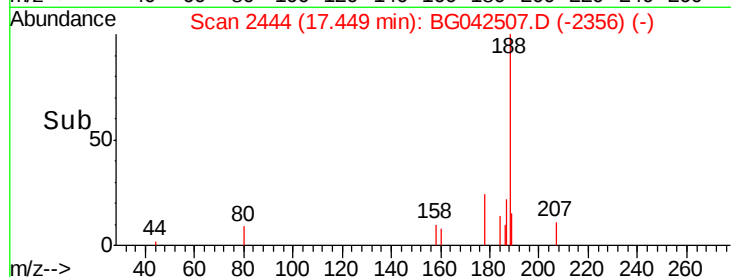
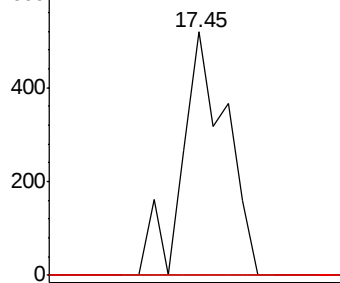
#71
Phenanthrene
Concen: 0.058 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 630
Ion Ratio Lower Upper
178 100
176 0.0 15.9 23.9#
179 0.0 12.7 19.1#

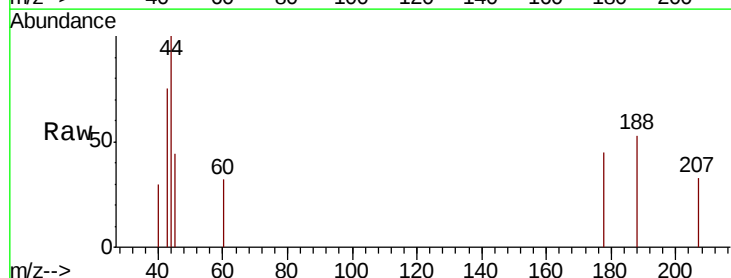


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

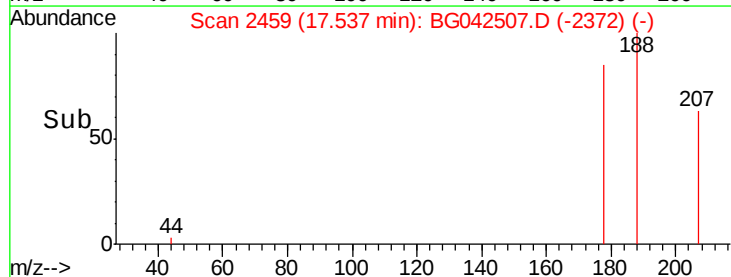
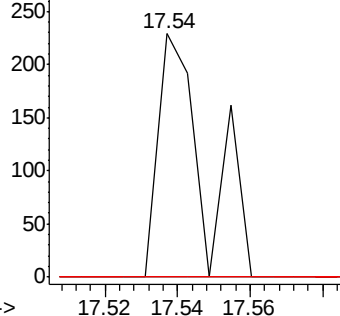


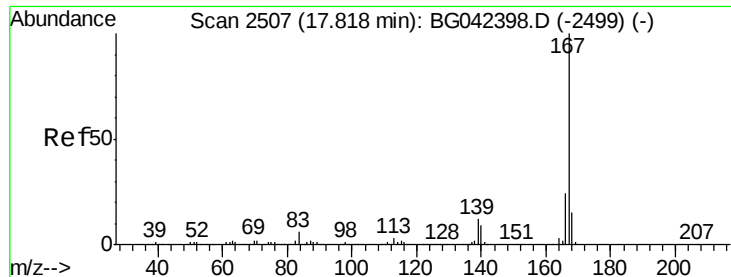
#72
Anthracene
Concen: 0.019 ng
RT: 17.54 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:178 Resp: 206
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 12.9 19.3#



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

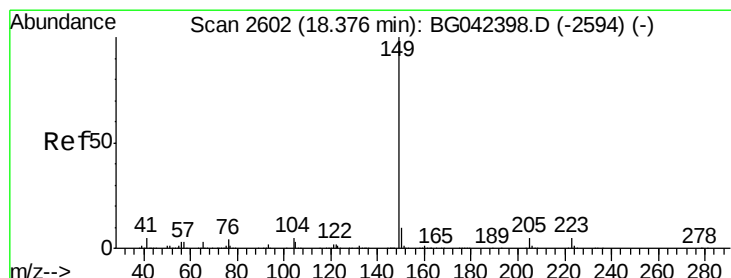
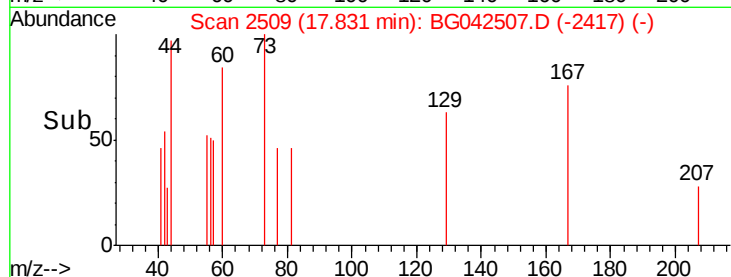
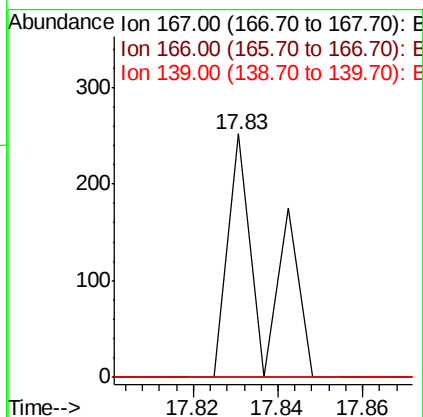
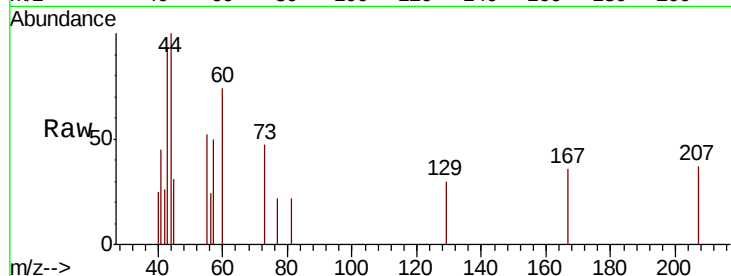




#73
 Carbazole
 Concen: 0.016 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

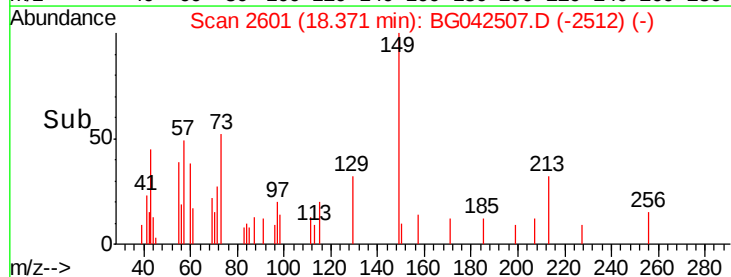
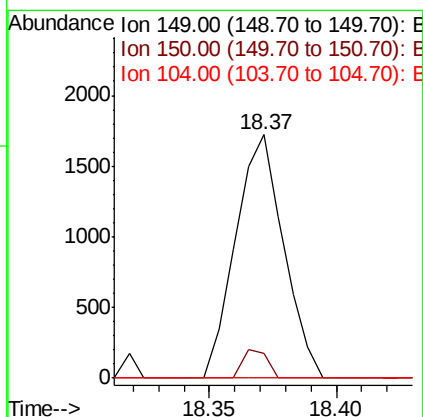
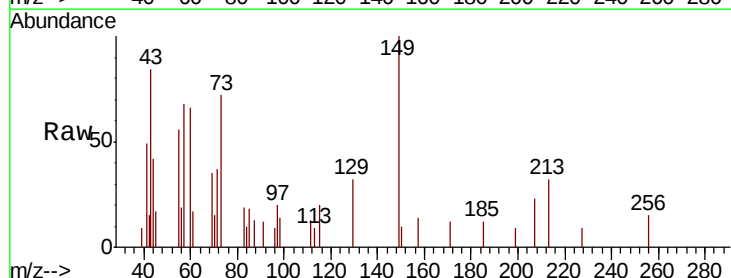
Instrument :
 BNA_G
 ClientSampleId :

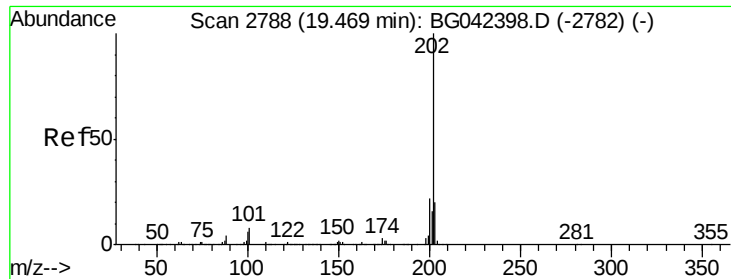
Tot Ion:167 Resp: 151
 Ion Ratio Lower Upper
 167 100
 166 0.0 18.9 28.3#
 139 0.0 9.8 14.6#



#74
 Di-n-butylphthalate
 Concen: 0.198 ng
 RT: 18.37 min Scan# 2601
 Delta R.T. -0.00 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion:149 Resp: 2264
 Ion Ratio Lower Upper
 149 100
 150 10.1 8.1 12.1
 104 0.0 3.7 5.5#





#75

Fluoranthene

Concen: 0.026 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG042507.D

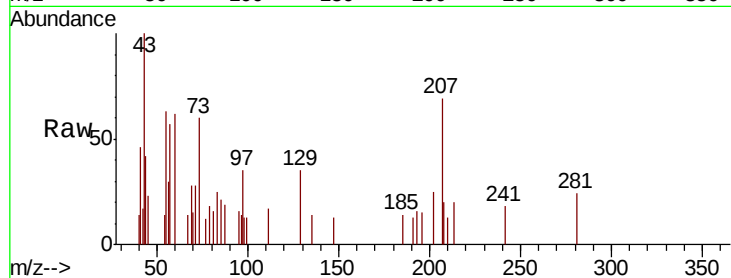
Acq: 27 Aug 2019 16:56

Instrument :

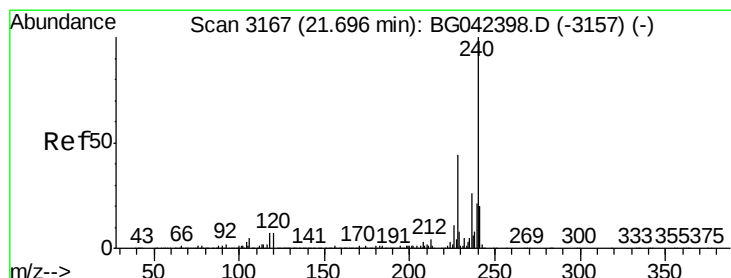
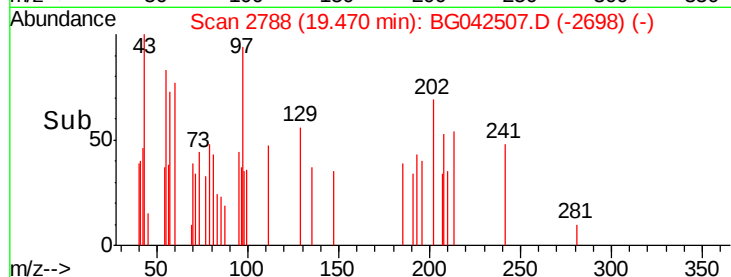
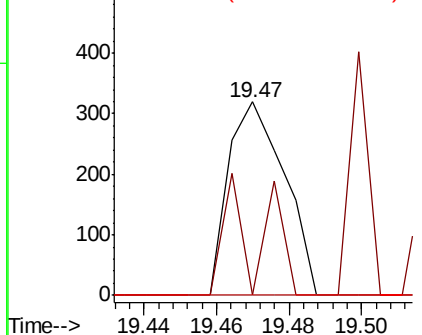
BNA_G

ClientSampled :

Tot Ion:	202	Resp:	342
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.3
203	0.0	0.0	39.6



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

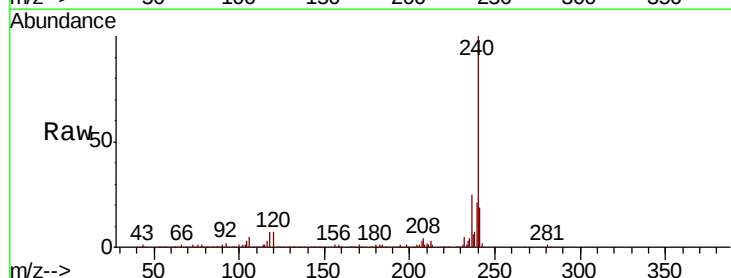
RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

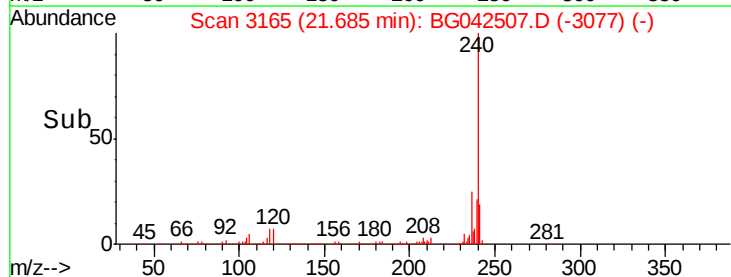
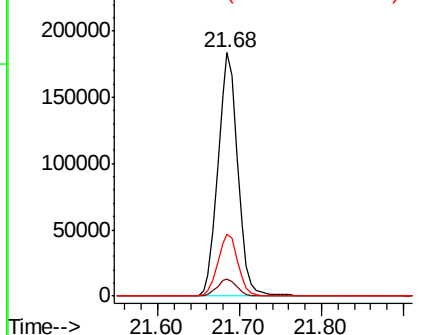
Lab File: BG042507.D

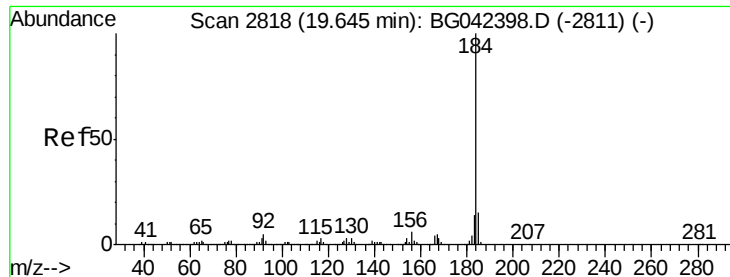
Acq: 27 Aug 2019 16:56

Tgt Ion:	240	Resp:	309307
Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	25.4	21.0	31.4



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





#77

Benzidine

Concen: 21.663 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

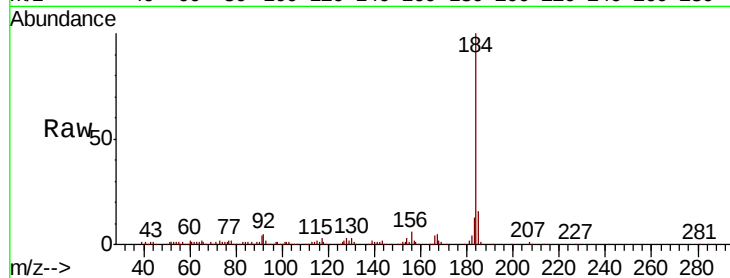
Tot Ion:184 Resp: 192109

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.4

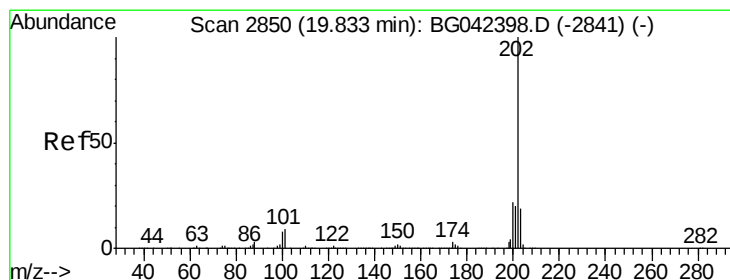
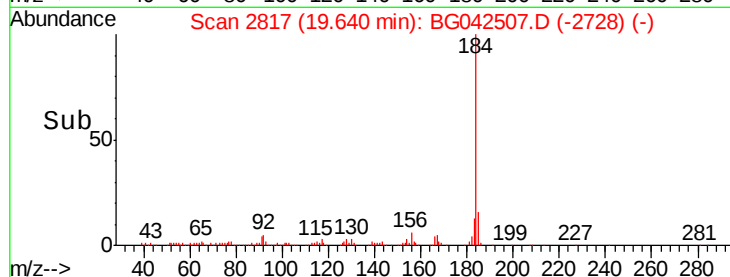
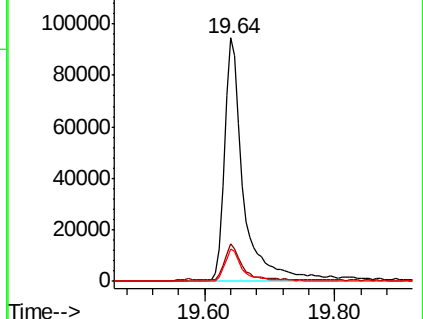
183 13.3 10.8 16.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.011 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

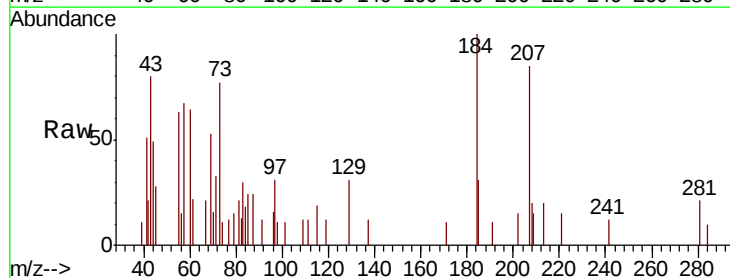
Tgt Ion:202 Resp: 212

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

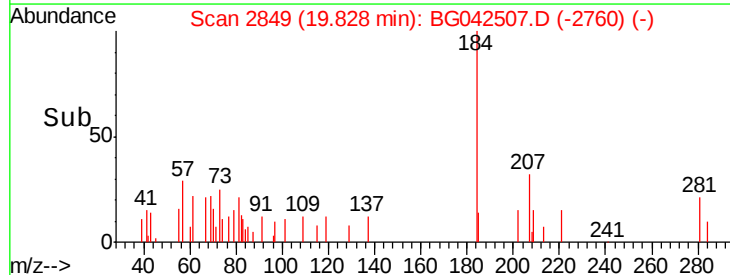
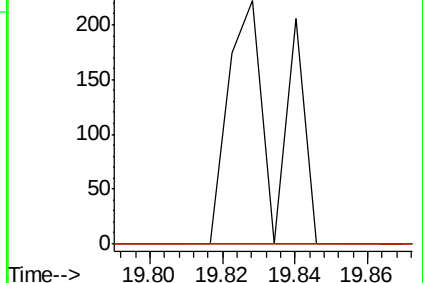
203 0.0 15.5 23.3#

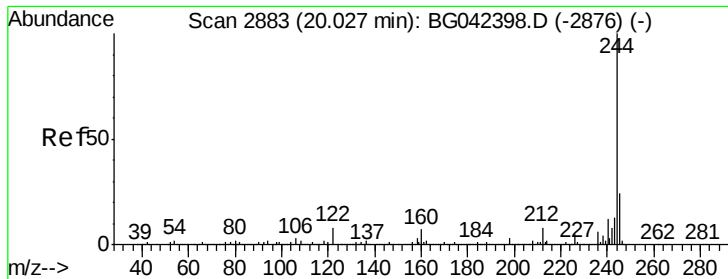


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.268 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

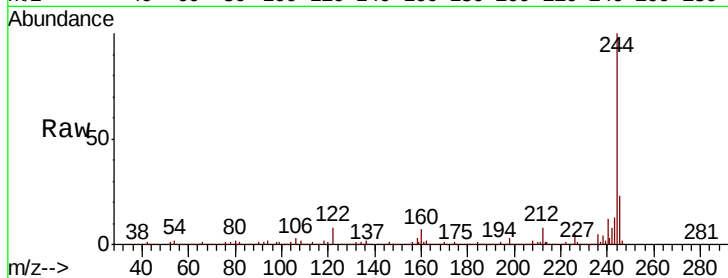
Tot Ion:244 Resp: 1277162

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

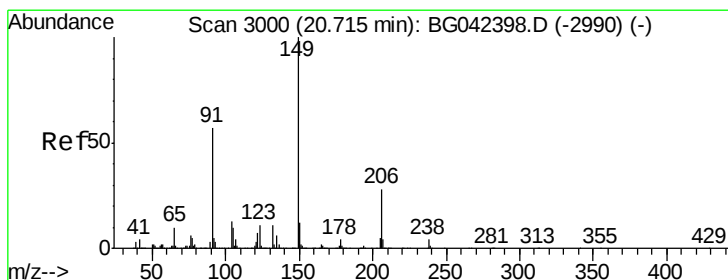
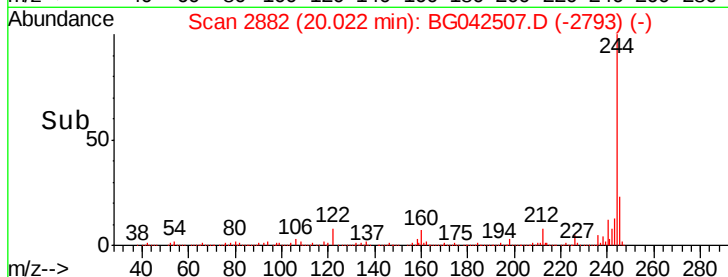
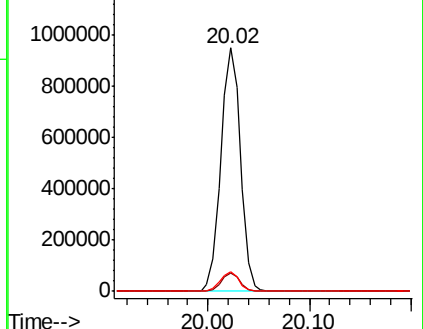
122 8.2 6.7 10.1



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: 0.055 ng

RT: 20.70 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

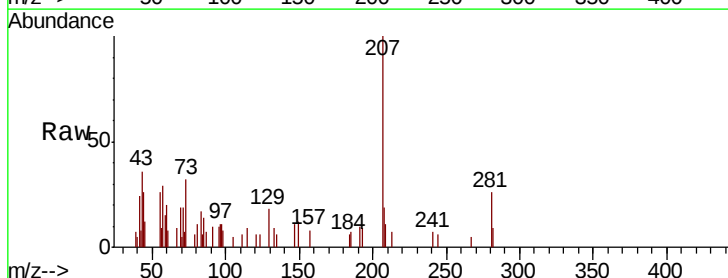
Tgt Ion:149 Resp: 408

Ion Ratio Lower Upper

149 100

91 79.8 45.9 68.9#

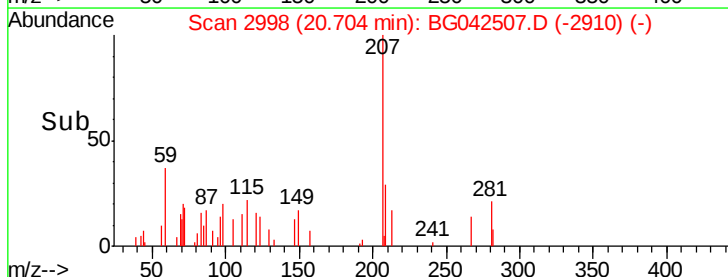
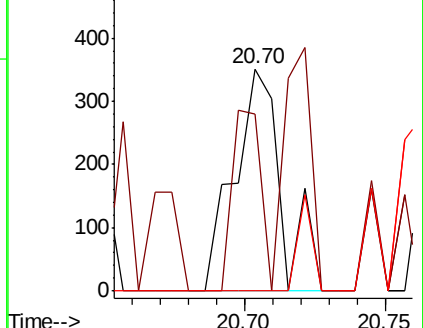
206 0.0 22.5 33.7#

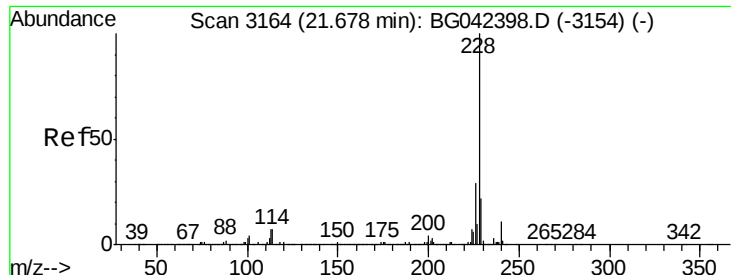


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

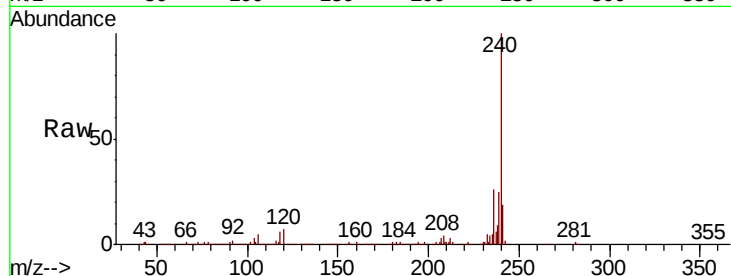




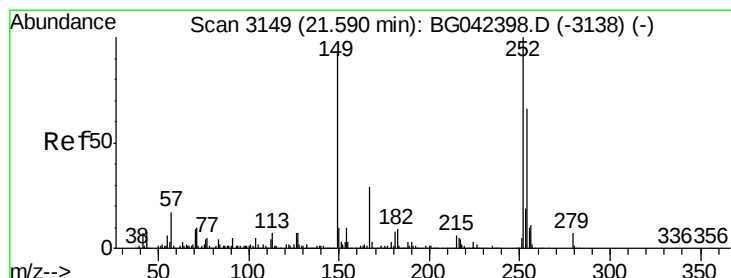
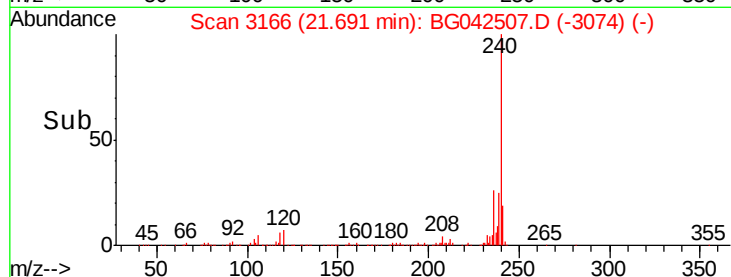
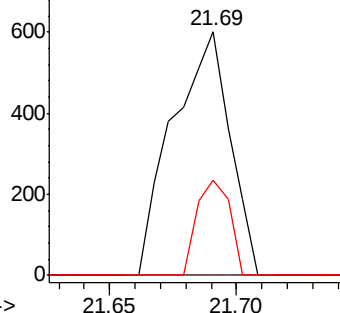
#81
Benzo(a)anthracene
Concen: 0.050 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 947
Ion Ratio Lower Upper
228 100
226 0.0 23.4 35.2#
229 39.3 17.4 26.2#

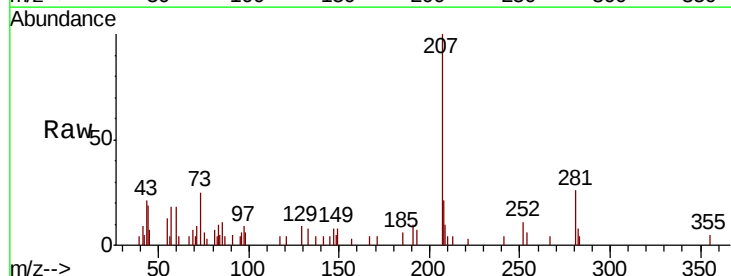


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

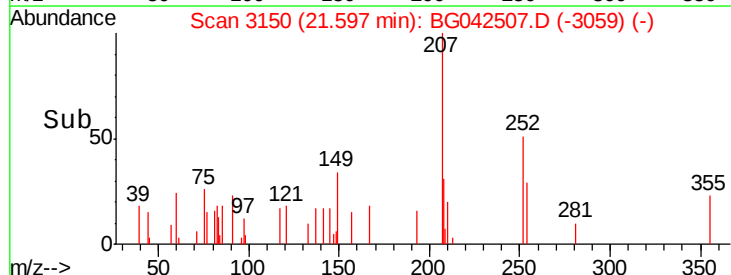
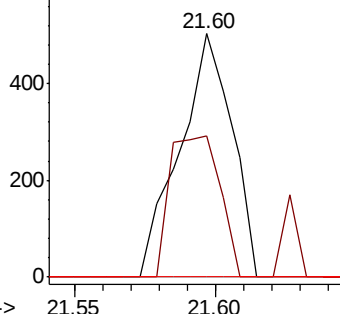


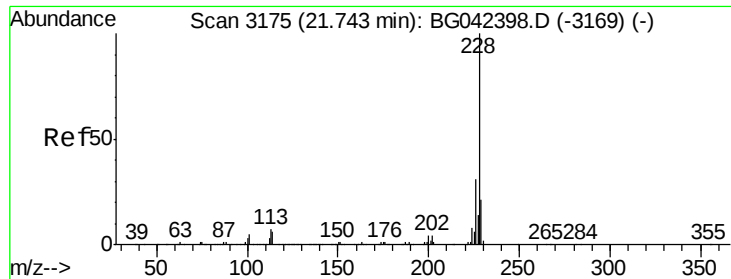
#82
3,3'-Dichlorobenzidine
Concen: 0.085 ng
RT: 21.60 min Scan# 3150
Delta R.T. 0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:252 Resp: 645
Ion Ratio Lower Upper
252 100
254 57.9 53.0 79.4
126 0.0 5.7 8.5#



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

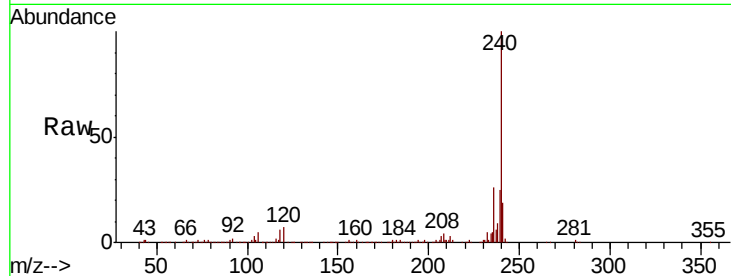




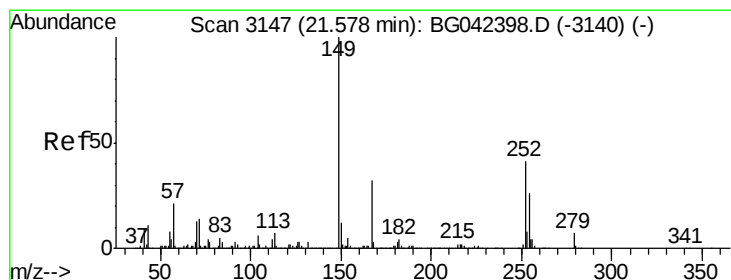
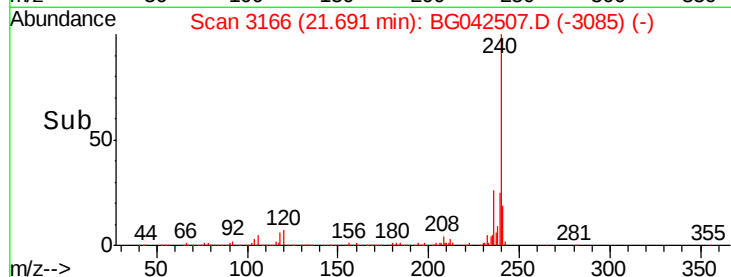
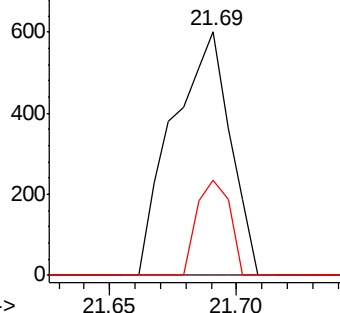
#83
 Chrysene
 Concen: 0.052 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.05 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	39.3	16.9	25.3#

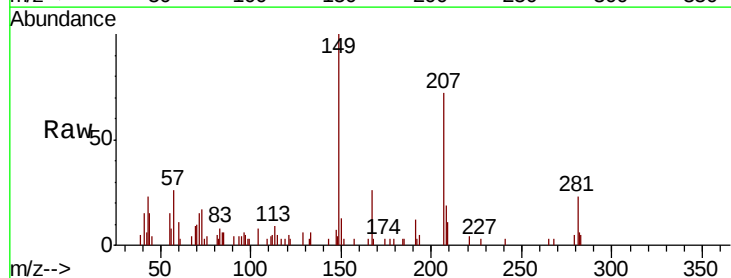


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

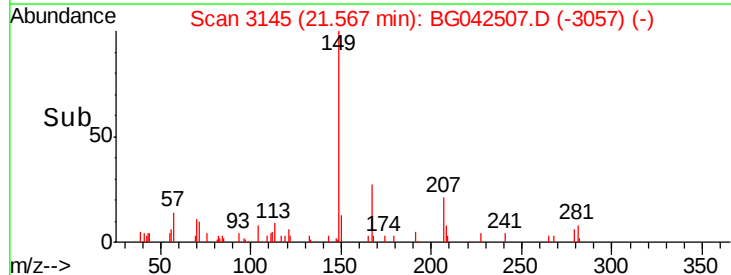
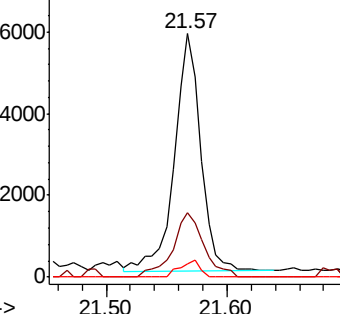


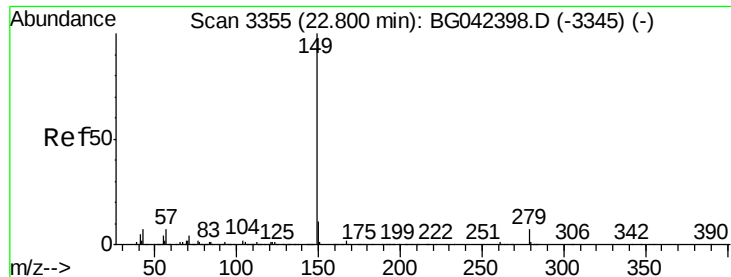
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.857 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	26.0	39.0
279	5.4	5.4	8.0



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

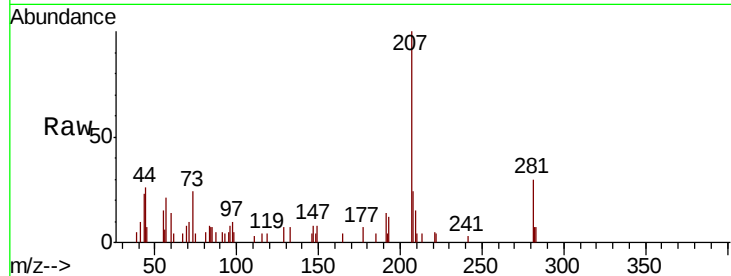




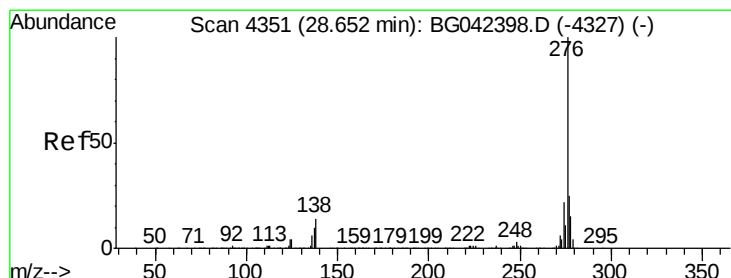
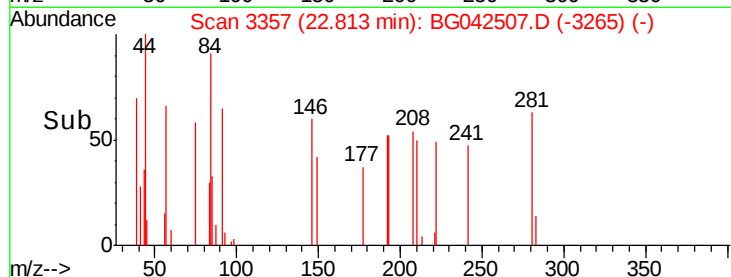
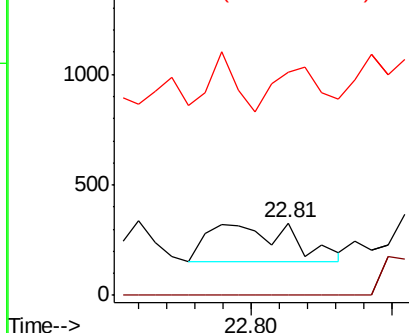
#85
Di-n-octyl phthalate
Concen: 0.019 ng
RT: 22.81 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 340
Ion Ratio Lower Upper
149 100
167 0.0 1.6 2.4#
43 0.0 5.3 7.9#

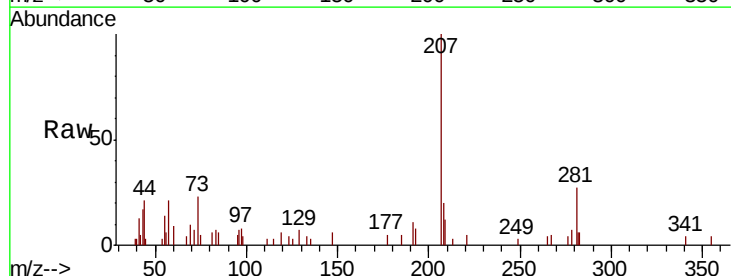


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

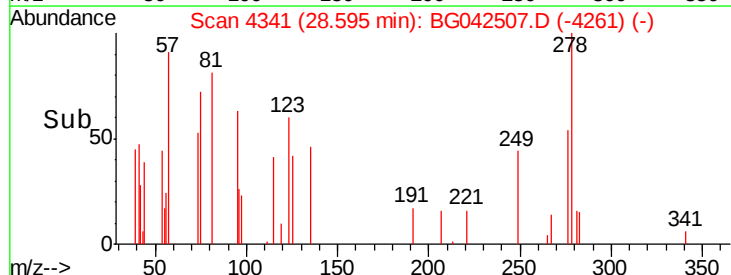
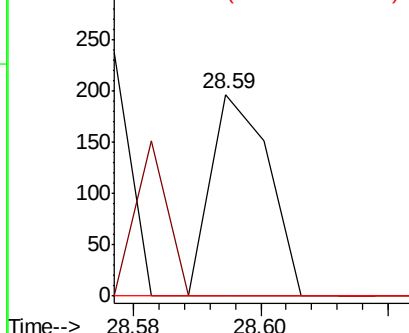


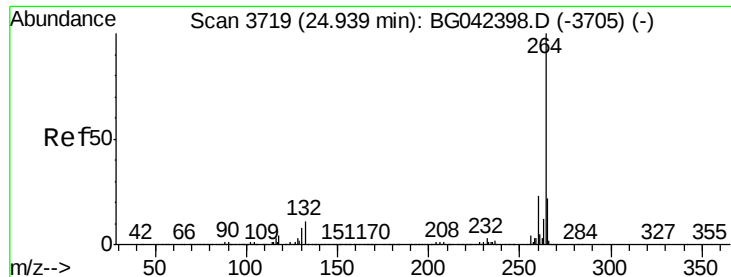
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.005 ng
RT: 28.59 min Scan# 4341
Delta R.T. -0.06 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:276 Resp: 123
Ion Ratio Lower Upper
276 100
138 43.9 9.2 13.8#
277 0.0 21.0 31.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

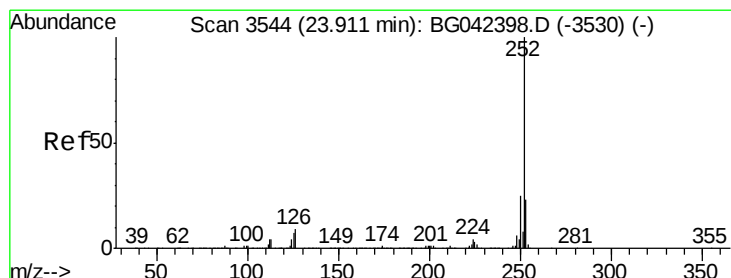
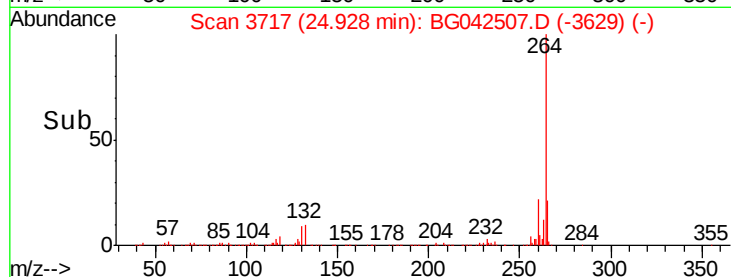
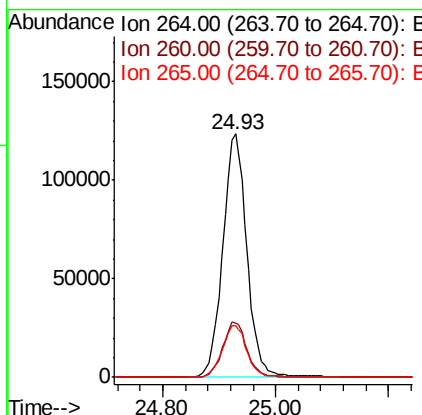
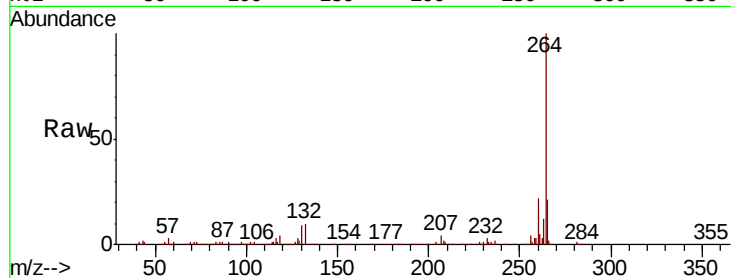




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

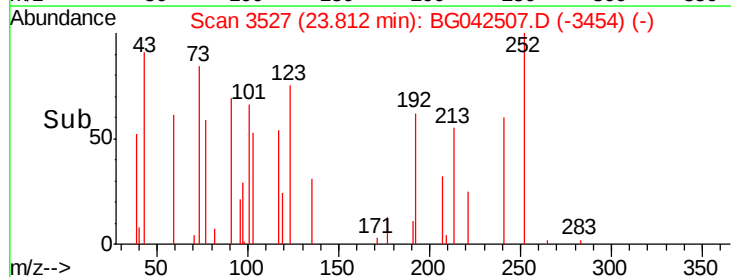
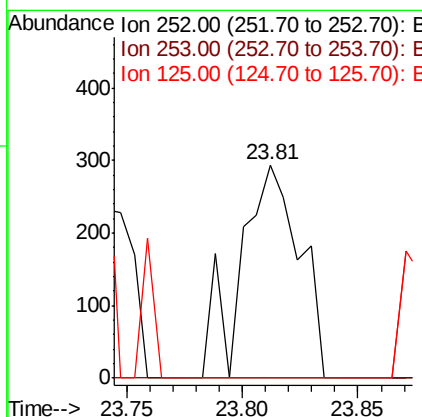
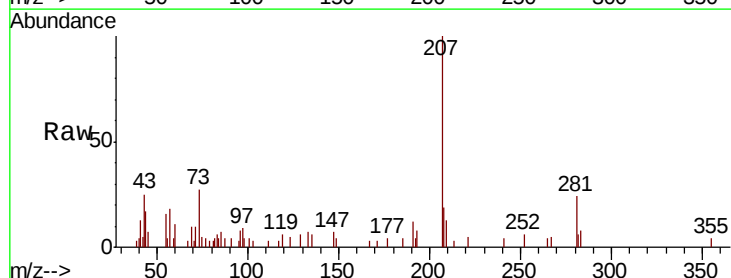
Instrument :
BNA_G
ClientSampleId :

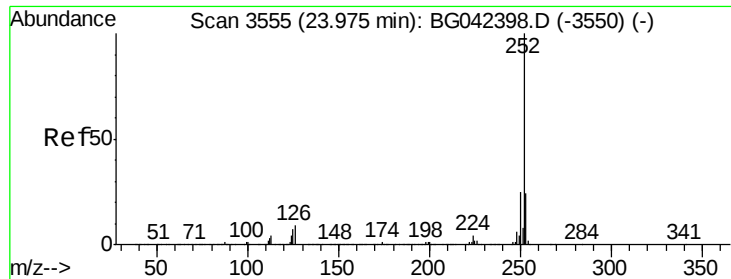
Tot Ion:264 Resp: 366416
Ion Ratio Lower Upper
264 100
260 22.5 18.5 27.7
265 21.1 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 23.81 min Scan# 3527
Delta R.T. -0.10 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:252 Resp: 527
Ion Ratio Lower Upper
252 100
253 0.0 18.6 27.8#
125 0.0 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 23.99 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

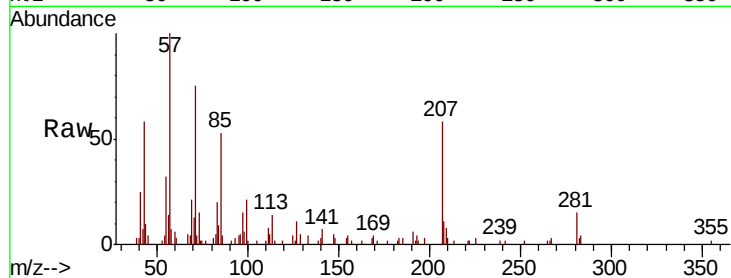
Tot Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

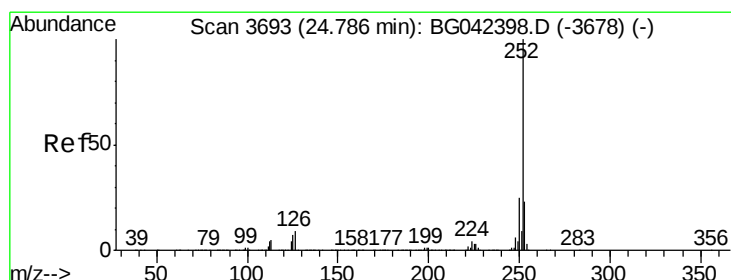
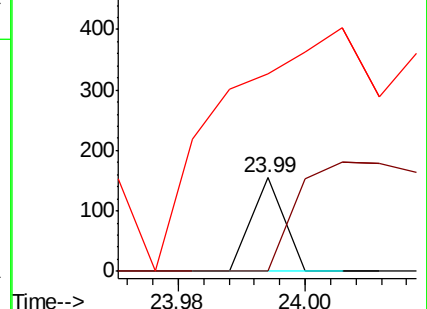
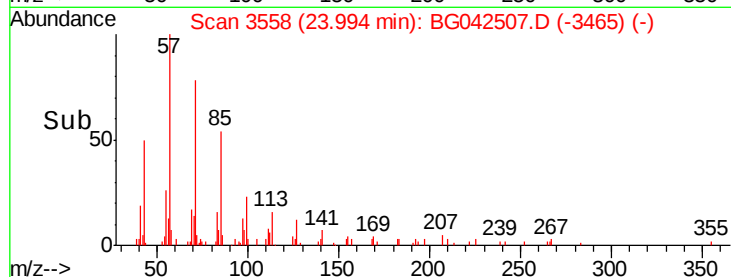
125 211.0 5.8 8.6#



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



#90

Benzo(a)pyrene

Concen: 0.004 ng

RT: 24.88 min Scan# 3708

Delta R.T. 0.09 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

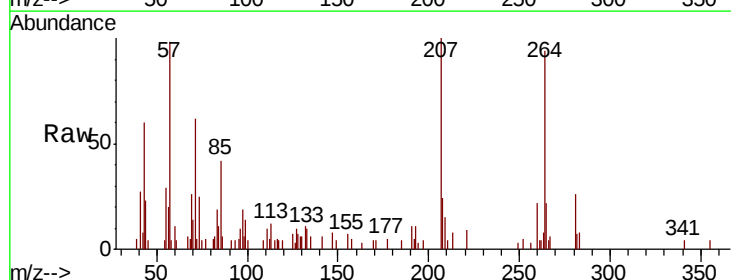
Tgt Ion:252 Resp: 74

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

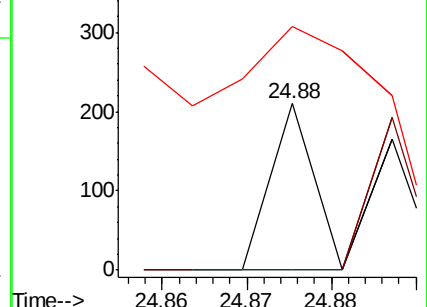
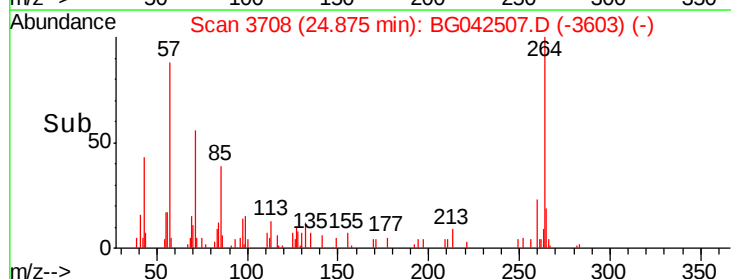
125 146.2 6.0 9.0#

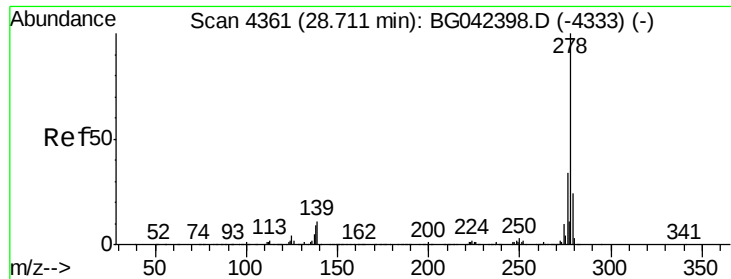


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

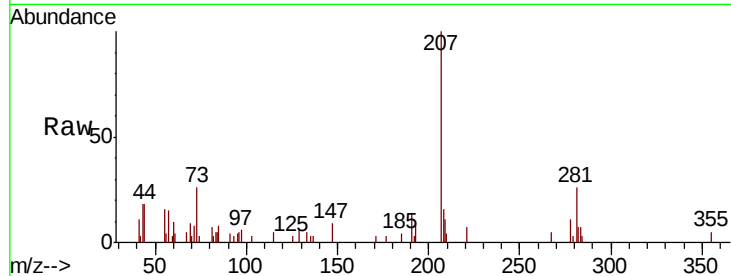




#91
Dibenzo(a,h)anthracene
Concen: 0.099 ng
RT: 28.59 min Scan# 4340
Delta R.T. -0.12 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.8	13.2#
279	28.8	19.1	28.7#

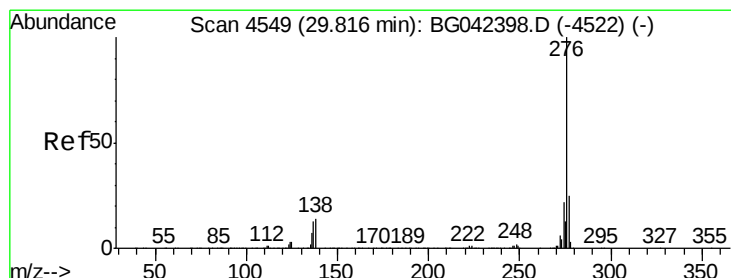
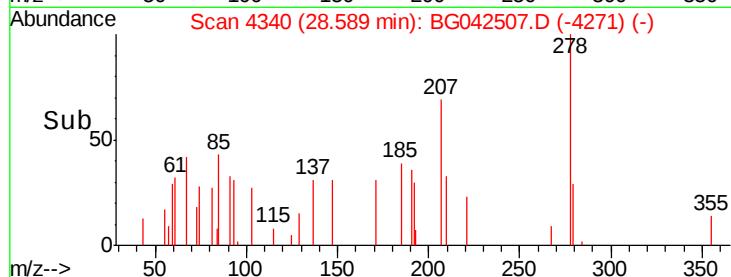
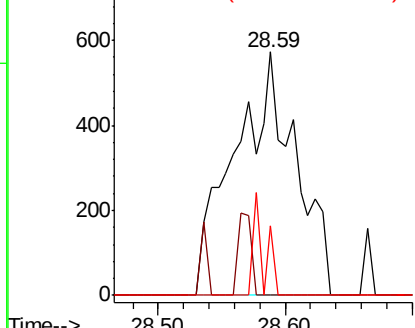


Abundance

Ion 278.00 (277.70 to 278.70): E

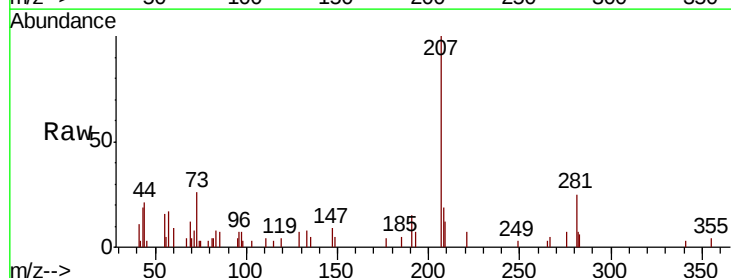
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.007 ng
RT: 29.67 min Scan# 4524
Delta R.T. -0.15 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.8	29.8#
138	0.0	11.4	17.0#



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

