

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042474.D
 Acq On : 25 Aug 2019 12:36
 Operator : HP/JU
 Sample : K4498-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 06:31:19 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	50606	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	195319	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	149568	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	336599	20.00	ng	0.00
76) Chrysene-d12	21.69	240	371284	20.00	ng	0.00
87) Perylene-d12	24.93	264	433091	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	371664	148.74	ng	0.00
7) Phenol-d6	7.17	99	508493	150.66	ng	0.00
23) Nitrobenzene-d5	9.16	82	287305	101.65	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	314586	147.98	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	835228	94.45	ng	0.00
79) Terphenyl-d14	20.03	244	1439576	83.82	ng	0.00

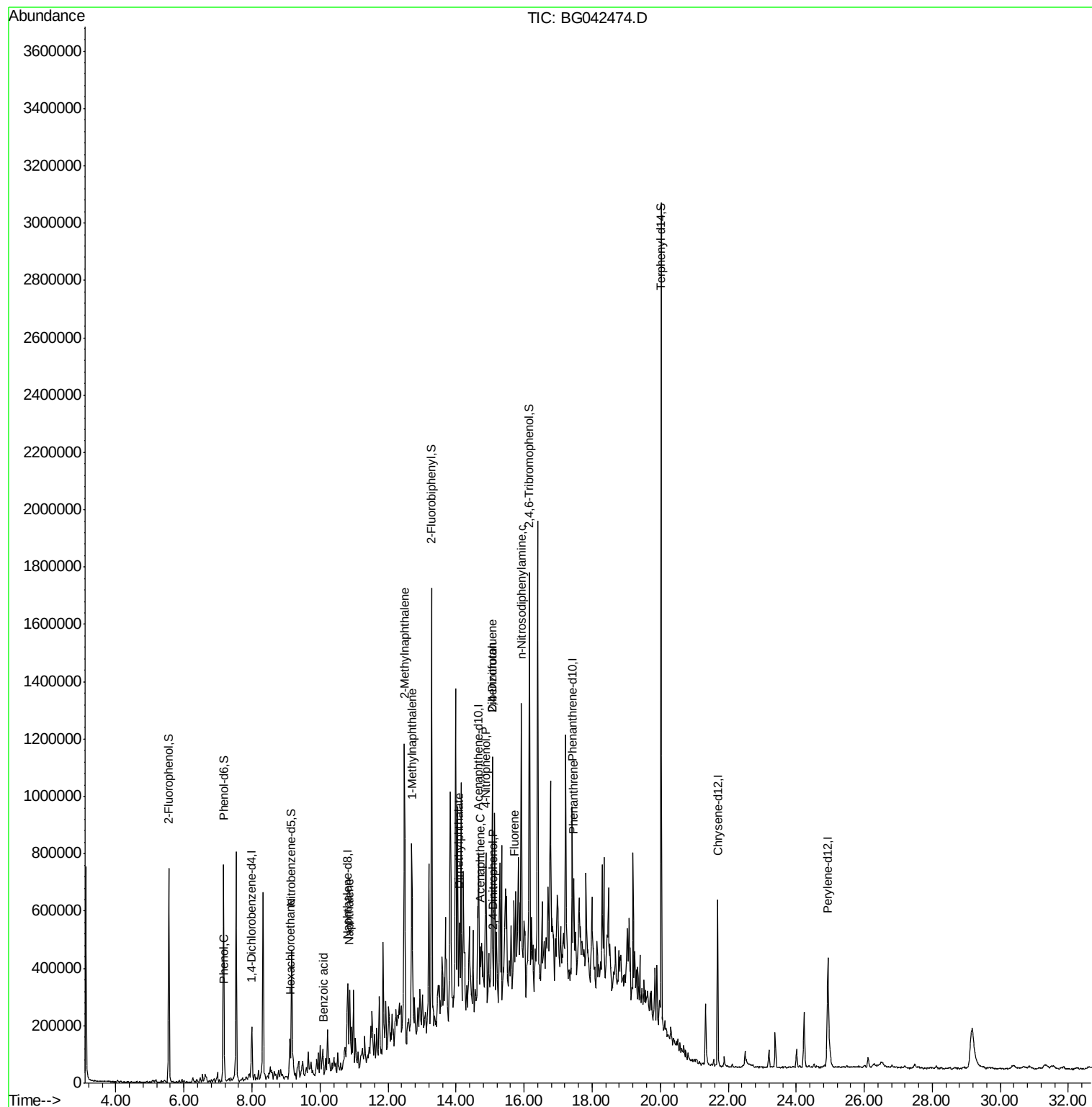
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	10934	3.186	ng	82
18) Hexachloroethane	9.12	117	11608	8.690	ng	# 1
31) Naphthalene	10.87	128	157744	17.395	ng	# 96
32) Benzoic acid	10.12	122	55	8.195	ng	# 1
37) 2-Methylnaphthalene	12.48	142	541041	74.305	ng	99
38) 1-Methylnaphthalene	12.70	142	328815	47.542	ng	100
50) Dimethylphthalate	14.10	163	104714	9.703	ng	# 95
52) Acenaphthene	14.72	154	34552	4.537	ng	97
54) 2,4-Dinitrophenol	15.09	184	1719	7.201	ng	# 1
55) Dibenzofuran	15.06	168	36279	2.878	ng	# 1
56) 4-Nitrophenol	14.87	139	22737	12.790	ng	# 55
57) 2,4-Dinitrotoluene	15.06	165	17318	4.835	ng	# 57
58) Fluorene	15.71	166	71624	6.950	ng	# 94
66) n-Nitrosodiphenylamine	15.92	169	112775	12.183	ng	# 52
71) Phenanthrene	17.45	178	202652	12.121	ng	# 95

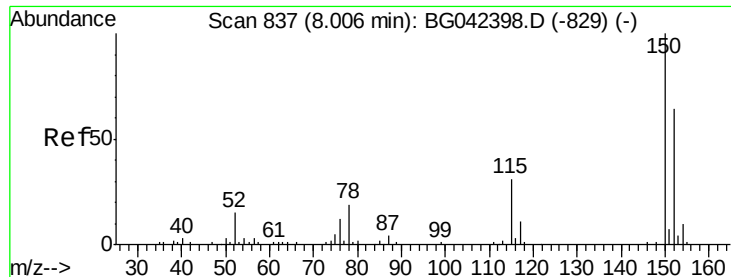
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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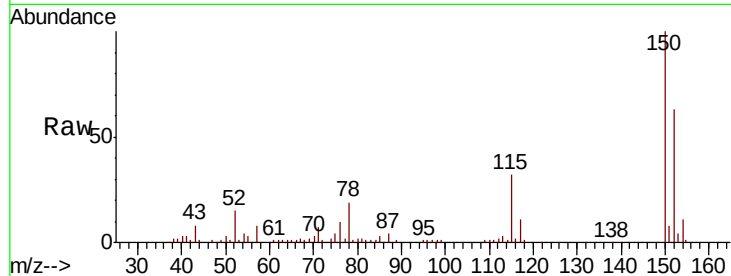


#1

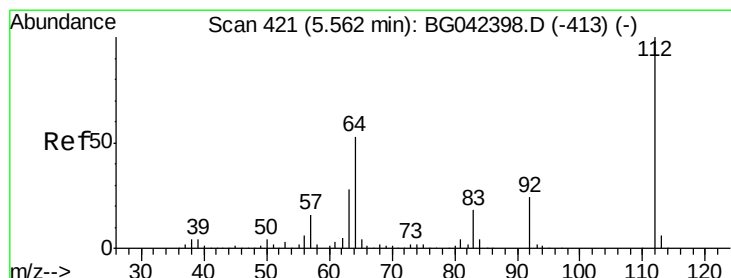
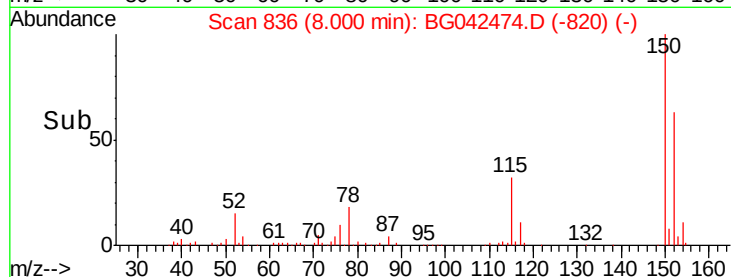
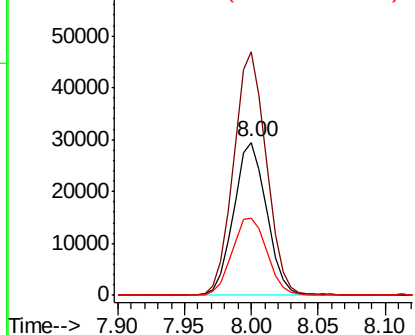
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50606
Ion Ratio Lower Upper
152 100
150 158.9 125.4 188.0
115 50.7 38.5 57.7



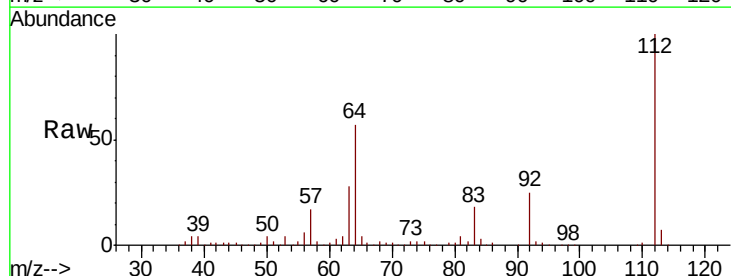
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



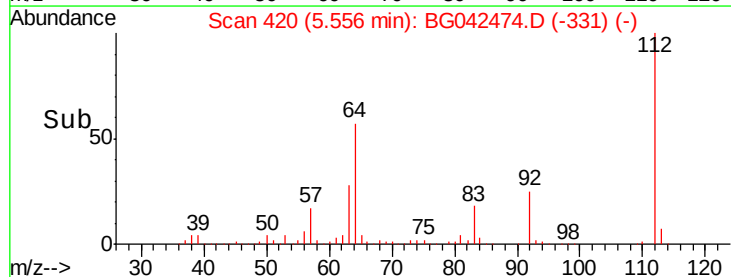
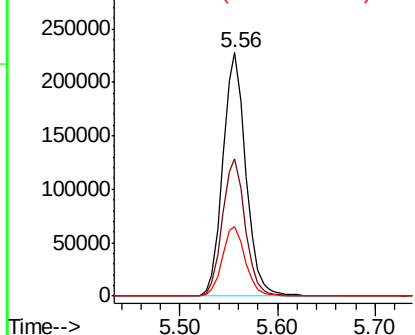
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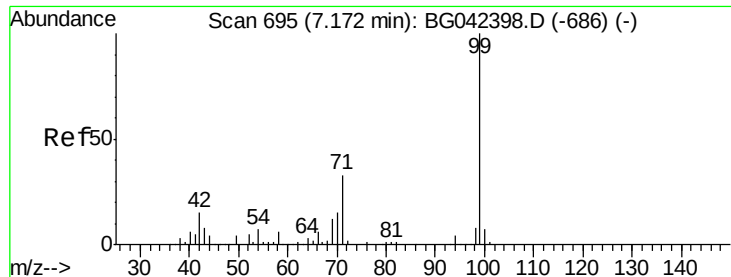
2-Fluorophenol
Concen: 148.743 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion:112 Resp: 371664
Ion Ratio Lower Upper
112 100
64 56.6 42.8 64.2
63 28.3 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 150.656 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

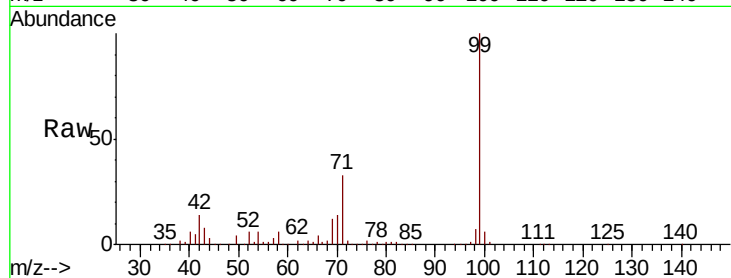
Tot Ion: 99 Resp: 508493

Ion Ratio Lower Upper

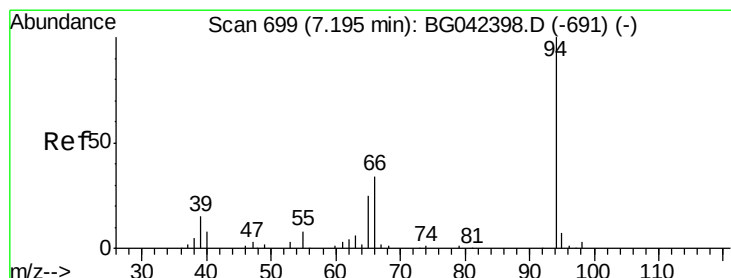
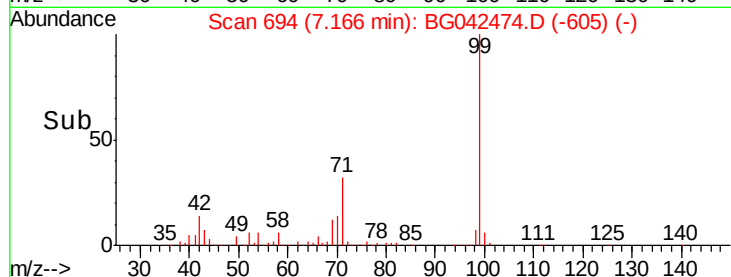
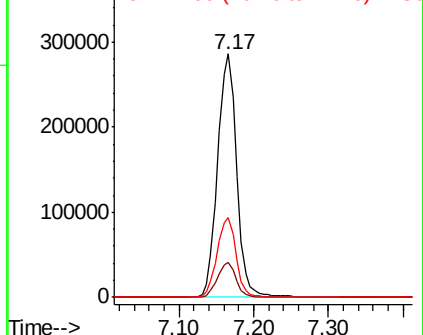
99 100

42 14.2 12.0 18.0

71 32.6 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



#10

Phenol

Concen: 3.186 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

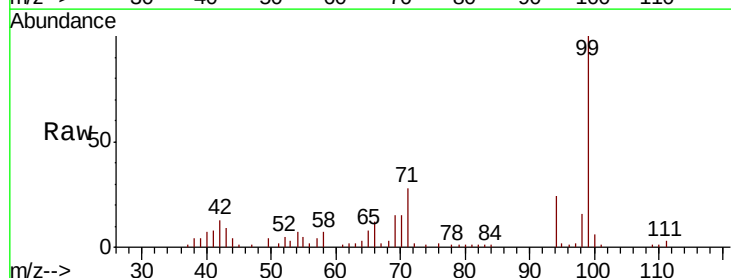
Tgt Ion: 94 Resp: 10934

Ion Ratio Lower Upper

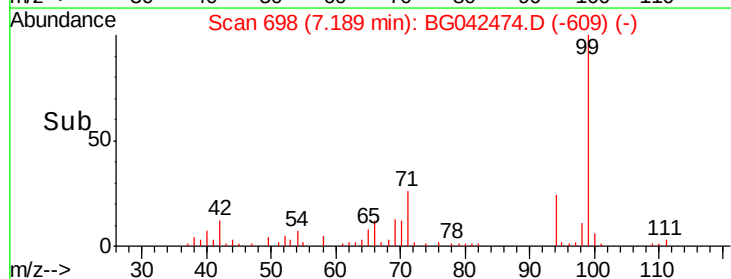
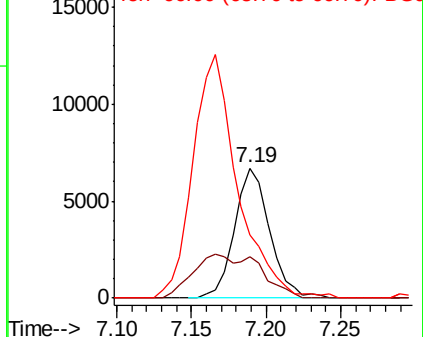
94 100

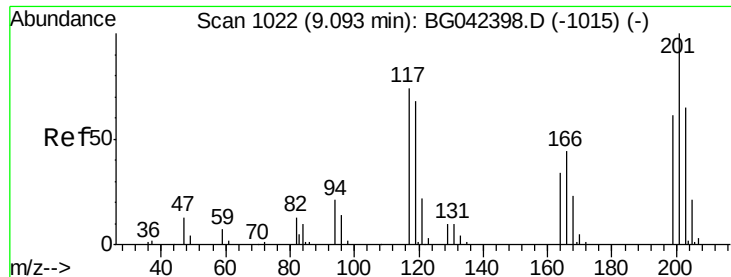
65 32.2 5.6 45.6

66 48.7 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

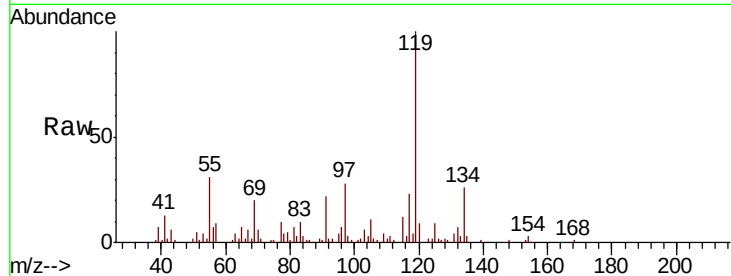




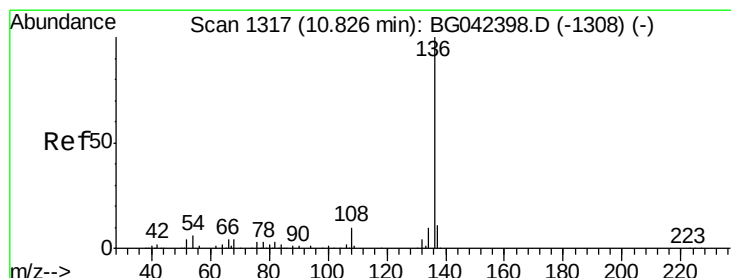
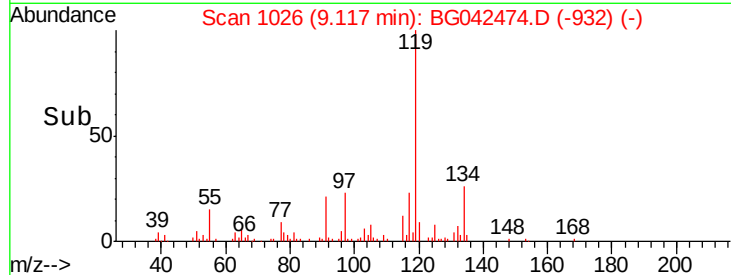
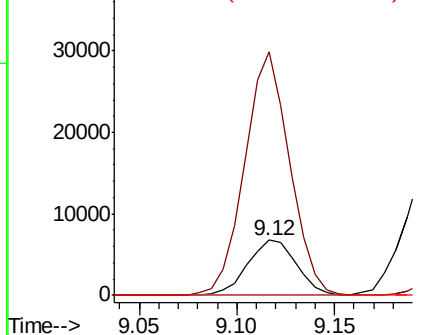
#18
Hexachloroethane
Concen: 8.690 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.02 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:117 Resp: 11608
Ion Ratio Lower Upper
117 100
119 440.8 73.8 110.8#
201 0.0 108.3 162.5#

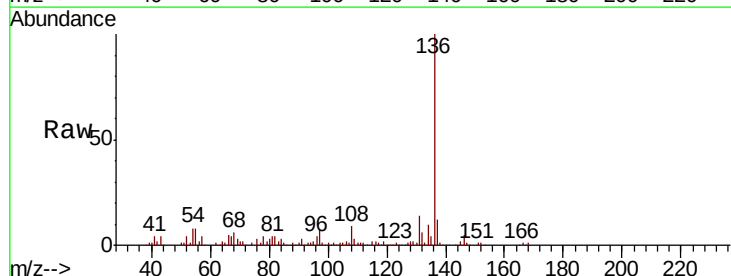


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

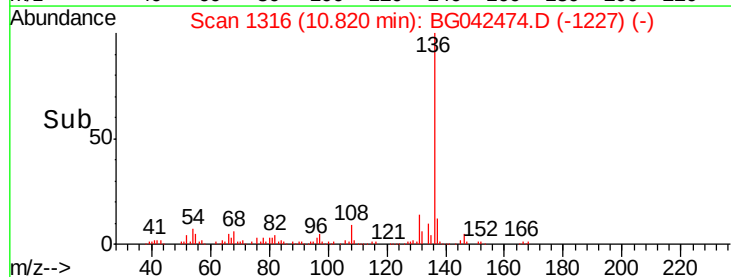
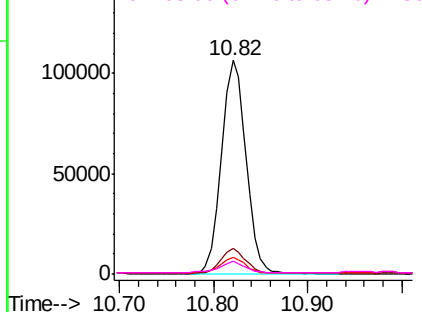


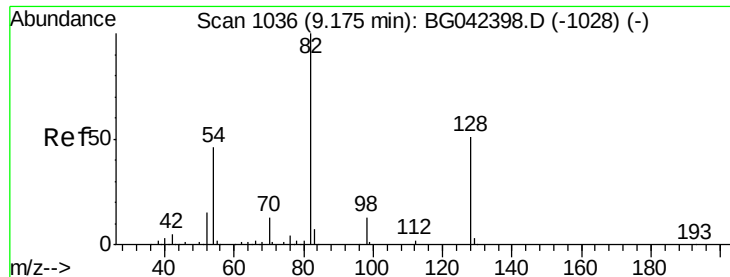
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion:136 Resp: 195319
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 7.5 4.9 7.3#
68 6.2 3.6 5.4#



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

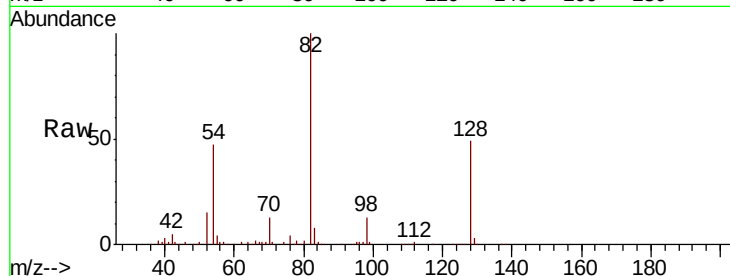




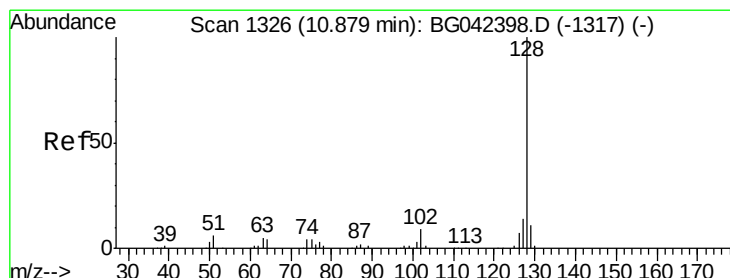
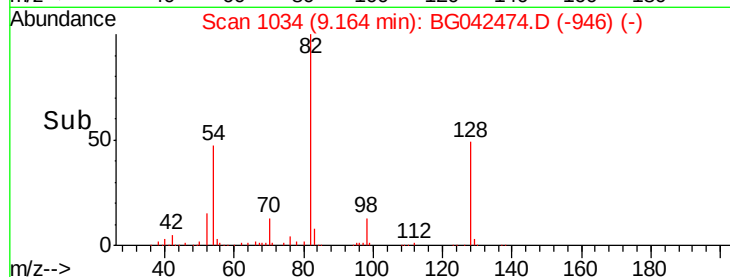
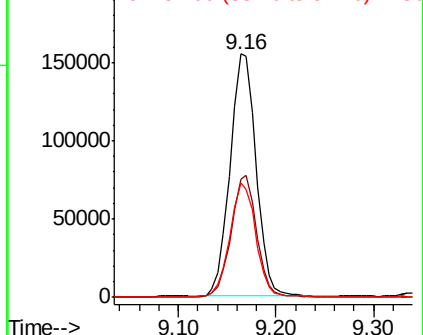
#23
Nitrobenzene-d5
Concen: 101.649 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	287305
Ion Ratio	Lower	Upper	
82	100		
128	48.7	40.7	61.1
54	46.8	36.3	54.5

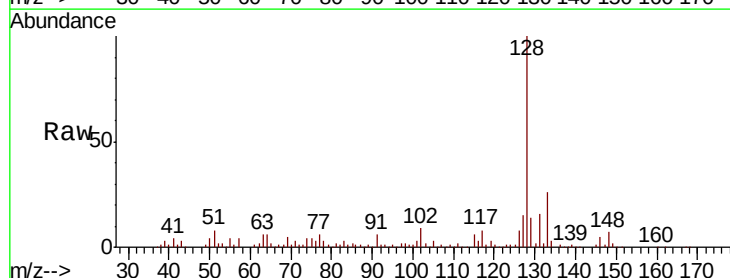


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

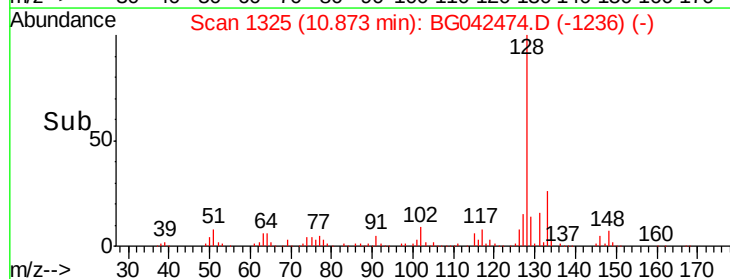
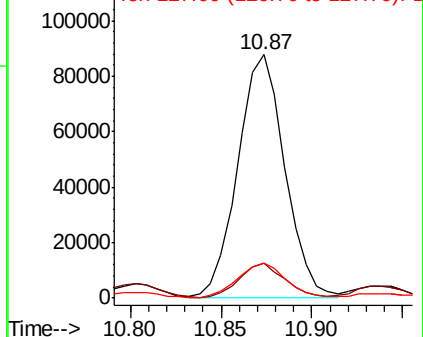


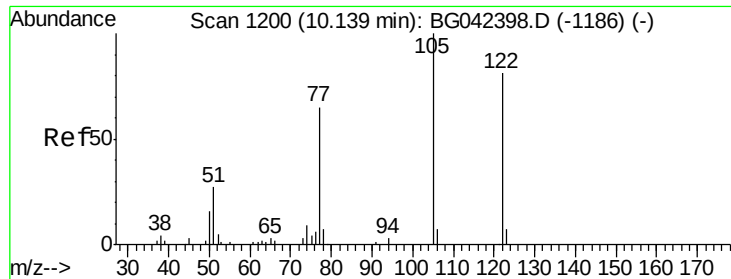
#31
Naphthalene
Concen: 17.395 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion	128	Resp	157744
Ion Ratio	Lower	Upper	
128	100		
129	14.3	8.8	13.2#
127	14.6	11.4	17.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

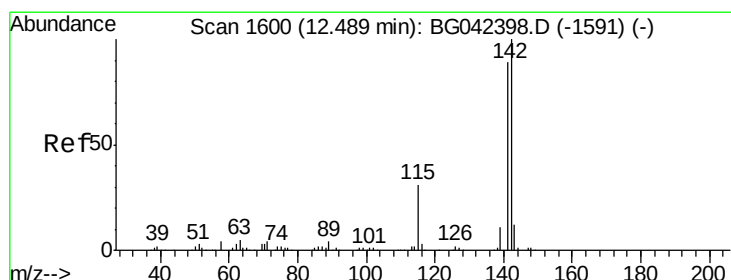
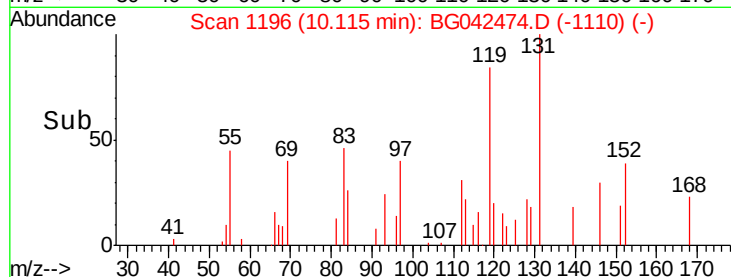
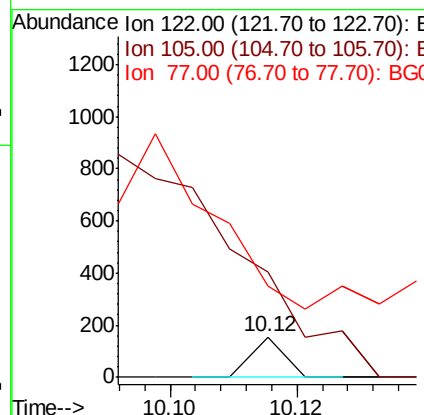
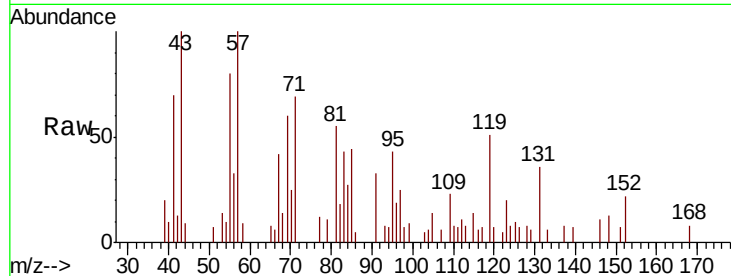




#32
Benzoic acid
Concen: 8.195 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.02 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

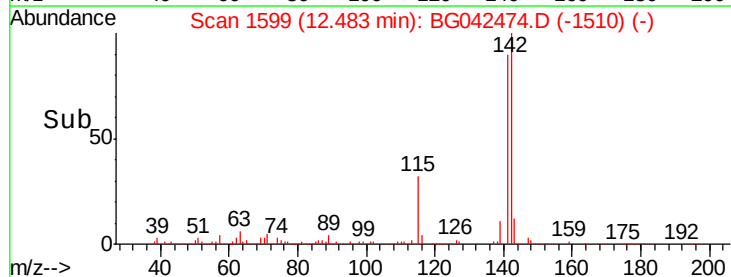
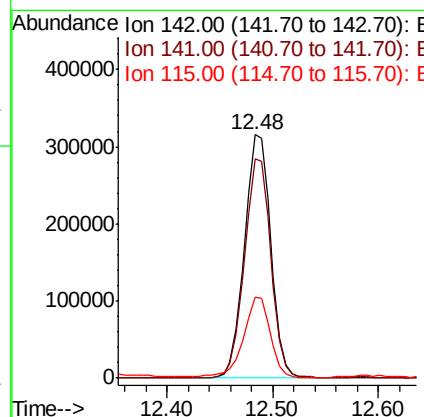
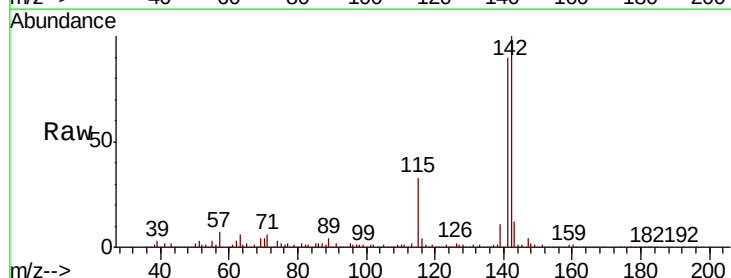
Instrument :
BNA_G
ClientSampleId :

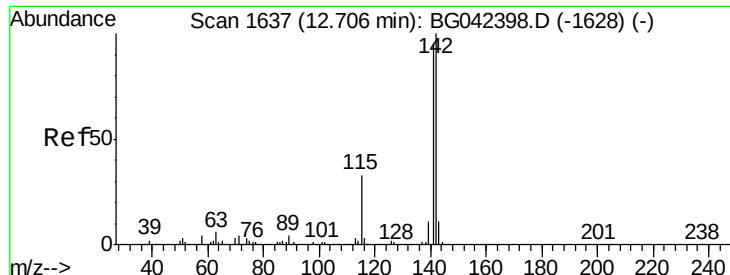
Tot Ion	Ratio	Lower	Upper
122	100		
105	260.6	99.6	139.6#
77	227.1	59.5	99.5#



#37
2-Methylnaphthalene
Concen: 74.305 ng
RT: 12.48 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.4	107.2
115	33.1	25.2	37.8

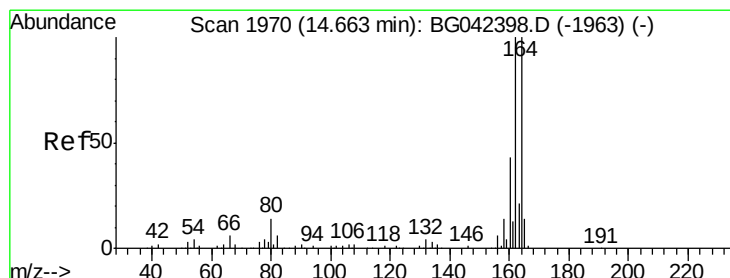
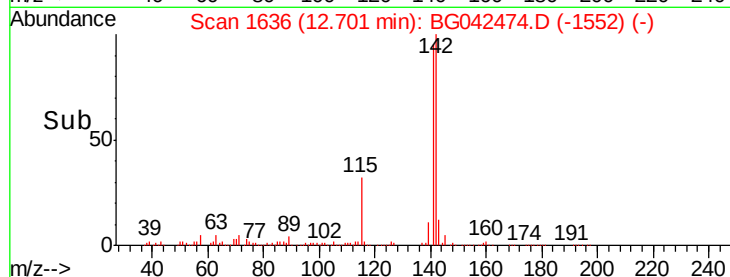
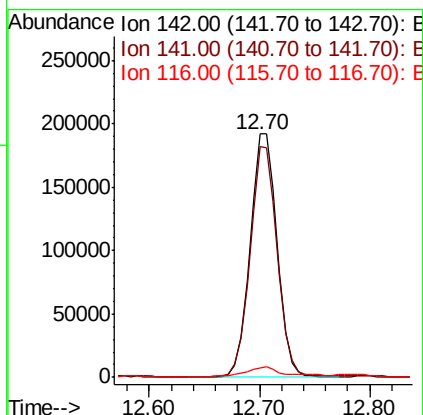
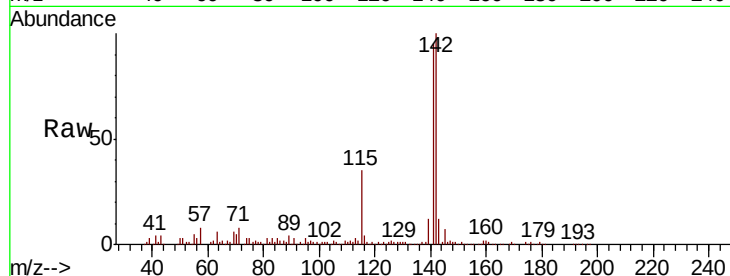




#38
1-Methylnaphthalene
Concen: 47.542 ng
RT: 12.70 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

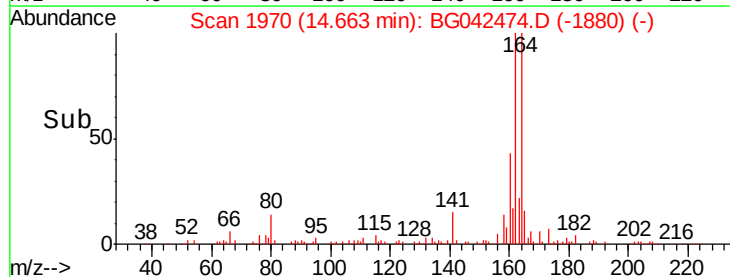
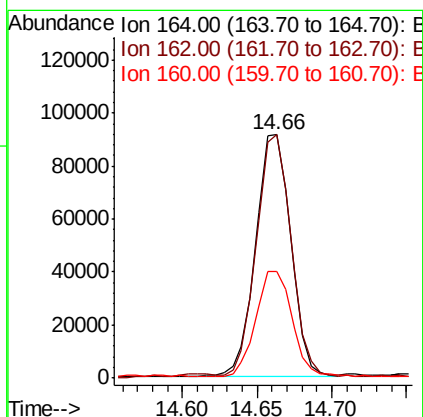
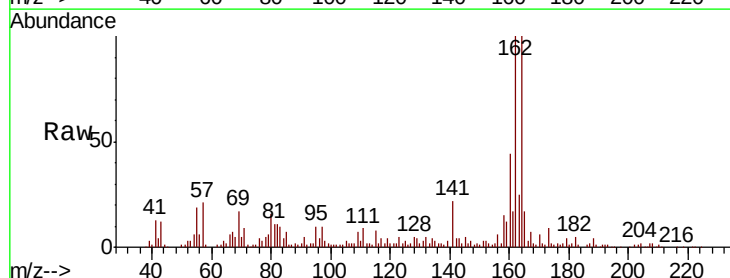
Instrument :
BNA_G
ClientSampleId :

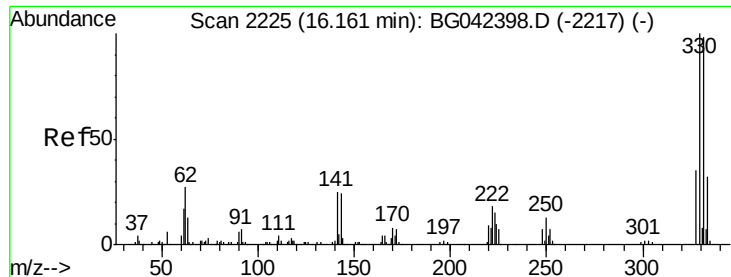
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.0	76.2	114.2
116	3.9	2.8	4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.9	119.9
160	44.0	34.3	51.5

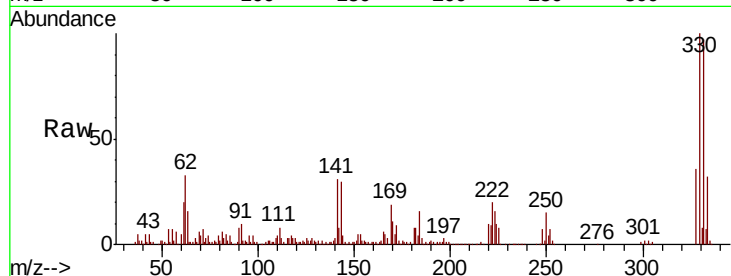




#42
 2,4,6-Tribromophenol
 Concen: 147.980 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	30.2	21.4	32.0

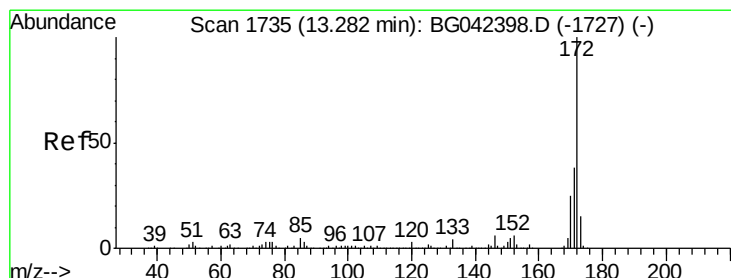
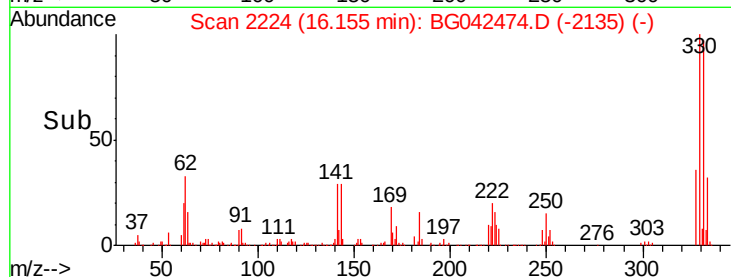
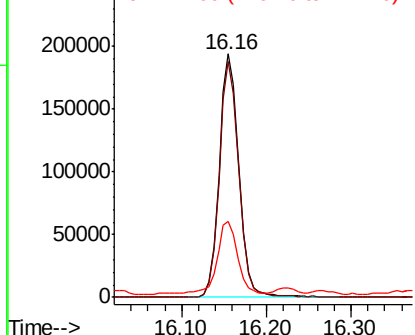


Abundance

Ion 329.80 (329.50 to 330.50): E

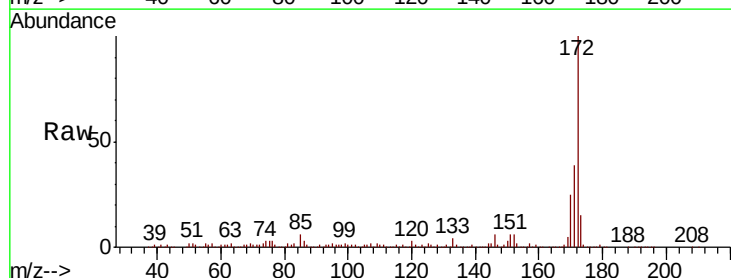
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.446 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.7
170	25.2	20.2	30.2

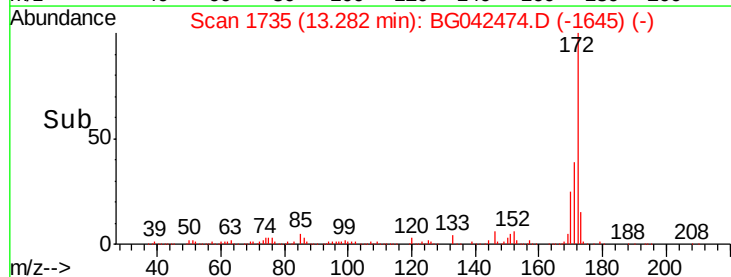
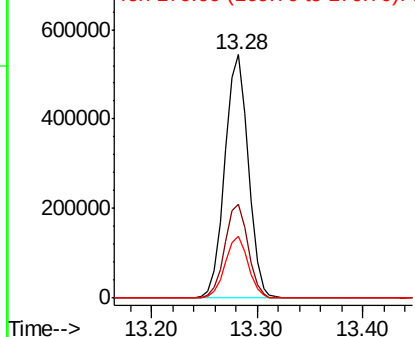


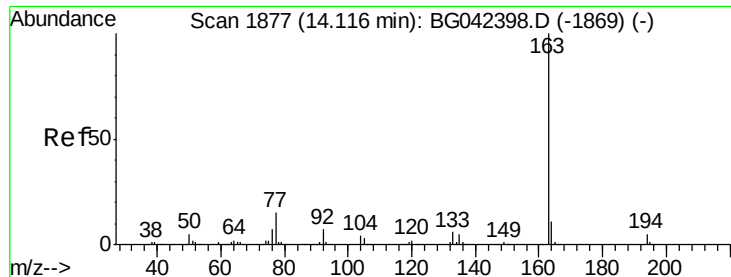
Abundance

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





#50

Dimethylphthalate

Concen: 9.703 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampled :

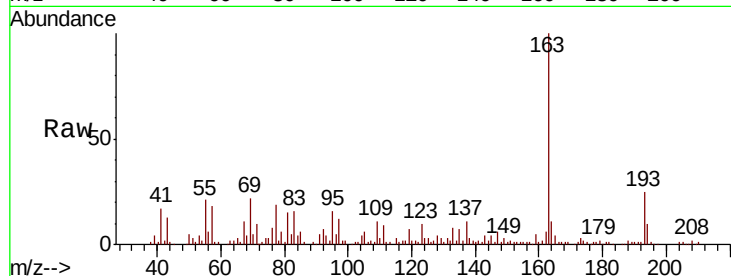
Tot Ion:163 Resp: 104714

Ion Ratio Lower Upper

163 100

194 10.0 4.2 6.2#

164 11.2 8.8 13.2

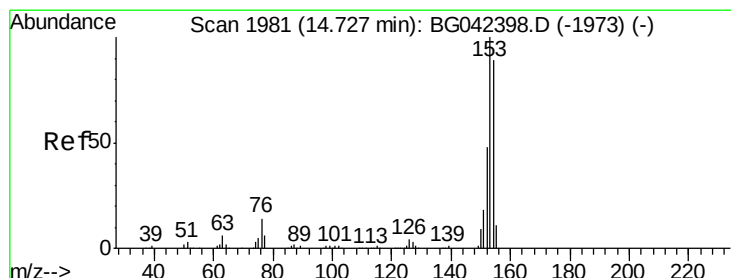
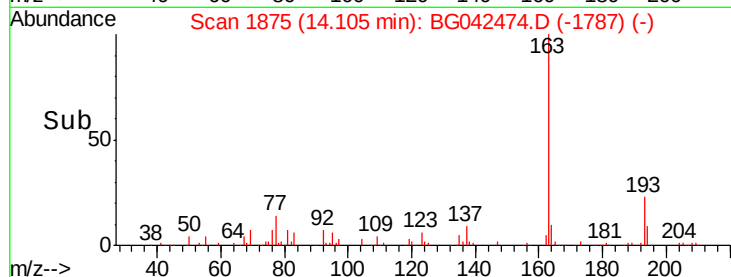
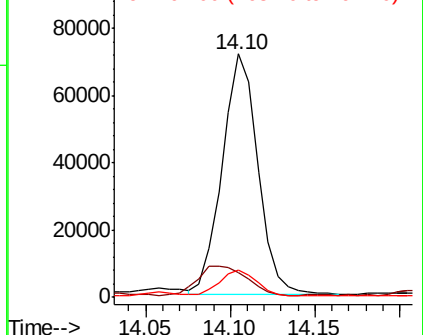


Abundance

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



#52

Acenaphthene

Concen: 4.537 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

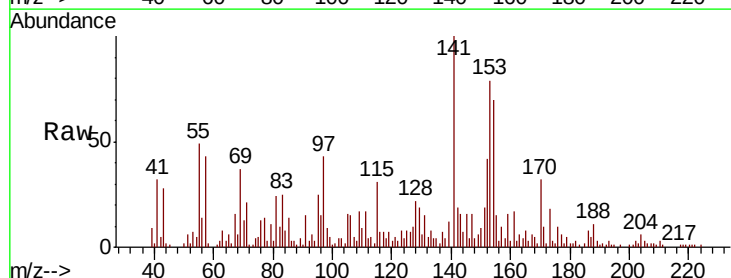
Tgt Ion:154 Resp: 34552

Ion Ratio Lower Upper

154 100

153 111.5 90.2 135.4

152 59.9 43.2 64.8

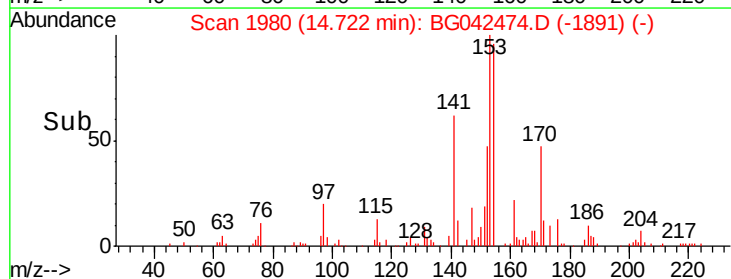
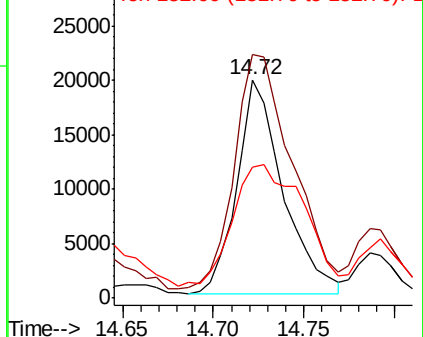


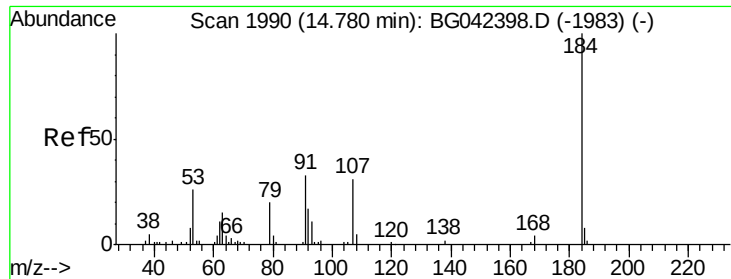
Abundance

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

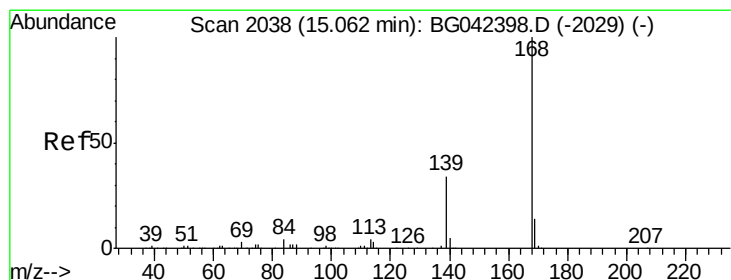
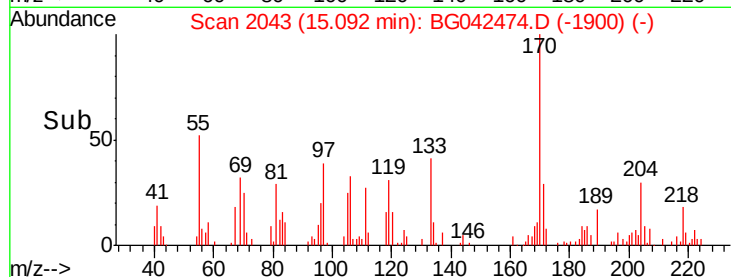
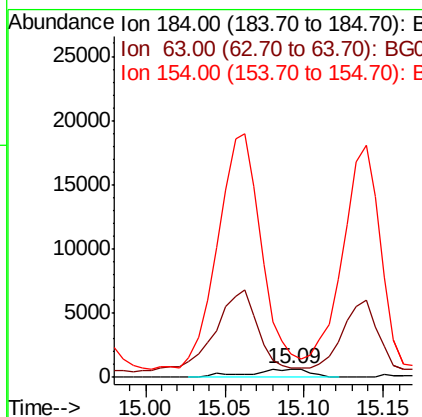
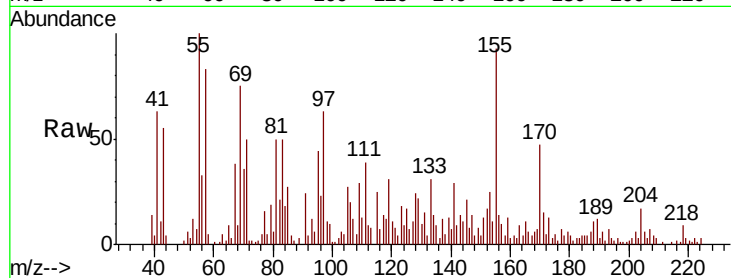




#54
 2,4-Dinitrophenol
 Concen: 7.201 ng
 RT: 15.09 min Scan# 2043
 Delta R.T. 0.31 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

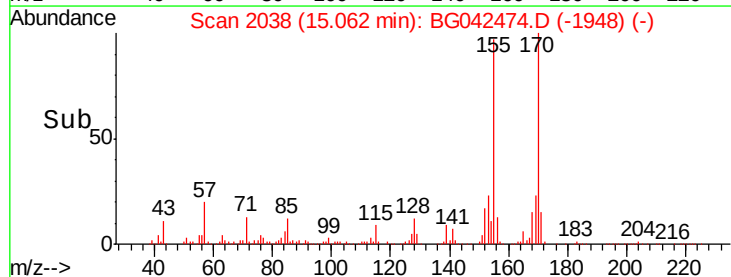
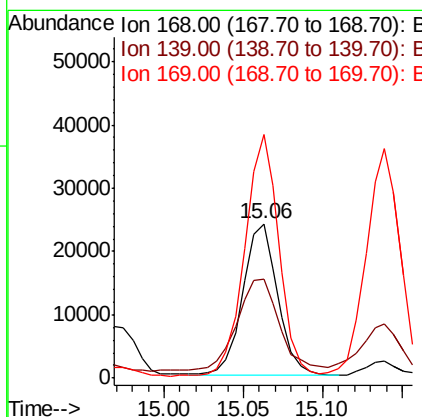
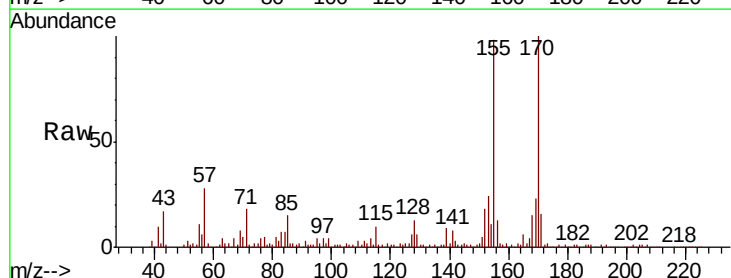
Instrument :
 BNA_G
 ClientSampleId :

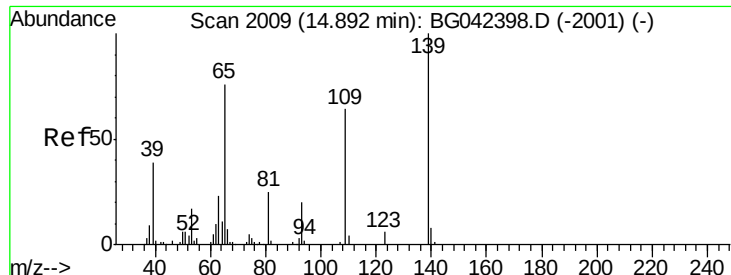
Tot Ion:184 Resp: 1719
 Ion Ratio Lower Upper
 184 100
 63 107.1 31.7 47.5#
 154 269.6 42.0 63.0#



#55
 Dibenzofuran
 Concen: 2.878 ng
 RT: 15.06 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Tgt Ion:168 Resp: 36279
 Ion Ratio Lower Upper
 168 100
 139 64.2 27.2 40.8#
 169 157.9 11.5 17.3#





#56

4-Nitrophenol

Concen: 12.790 ng

RT: 14.87 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BG042474.D

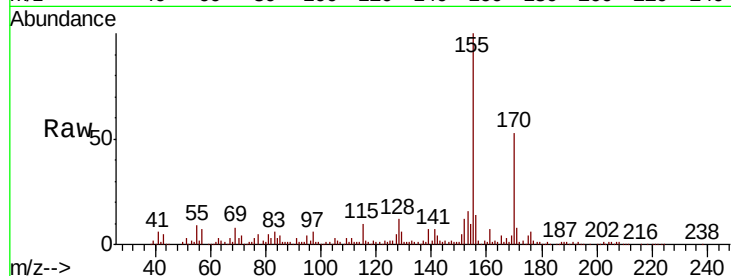
Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

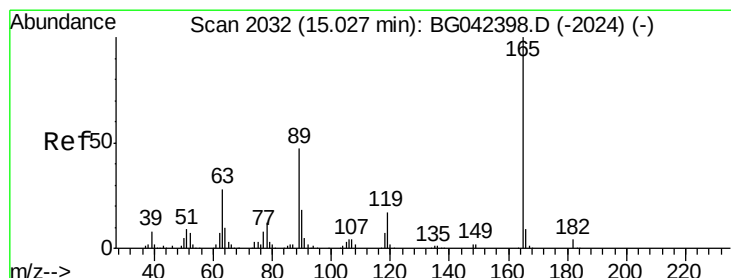
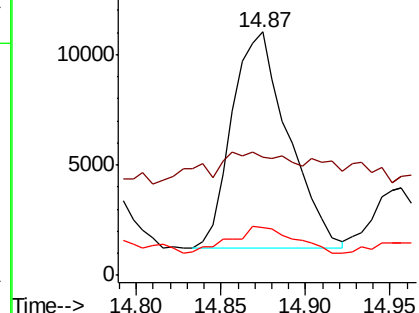
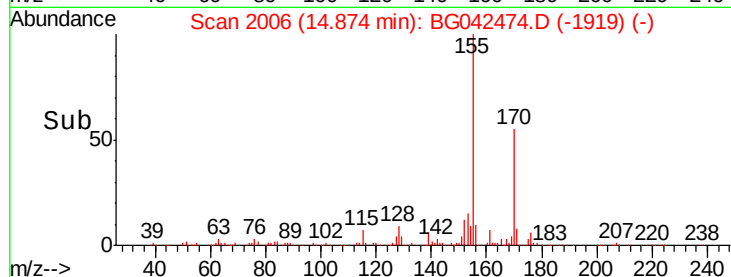
Tot Ion:139	Resp:	22737
Ion Ratio	Lower	Upper
139	100	
109	48.7	43.9 83.9
65	19.8	56.3 96.3#



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



#57

2,4-Dinitrotoluene

Concen: 4.835 ng

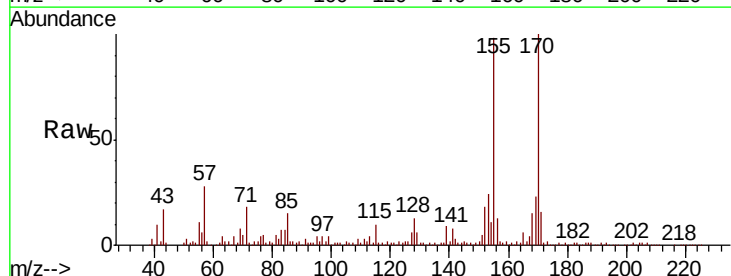
RT: 15.06 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Tgt Ion:165	Resp:	17318
Ion Ratio	Lower	Upper
165	100	
63	65.0	22.5 33.7#
89	27.4	37.8 56.6#
182	8.0	3.0 4.4#

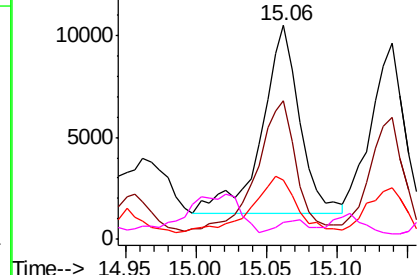
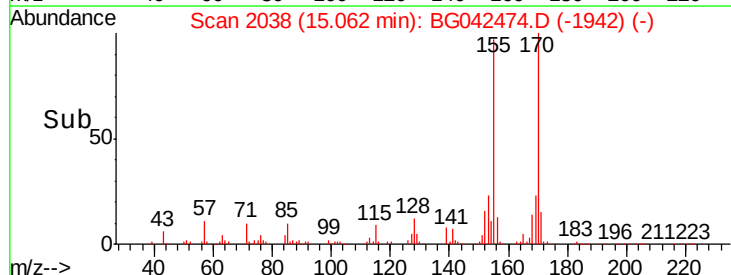


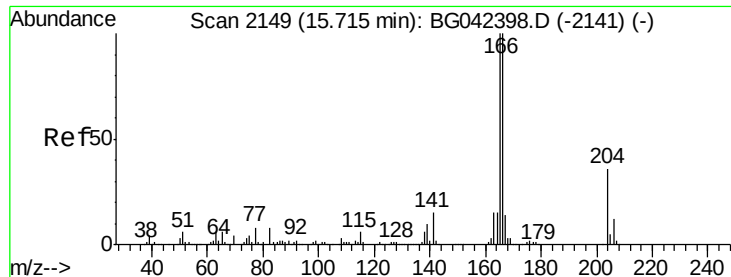
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

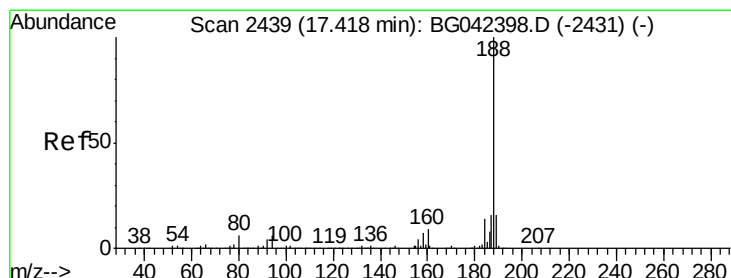
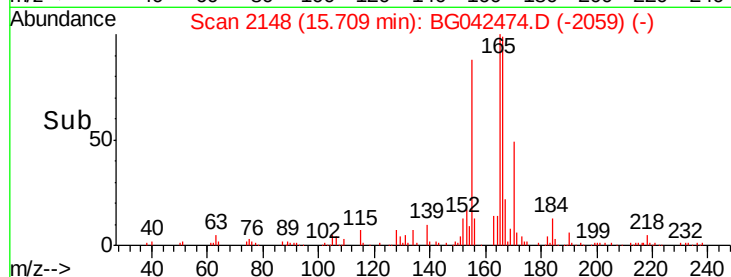
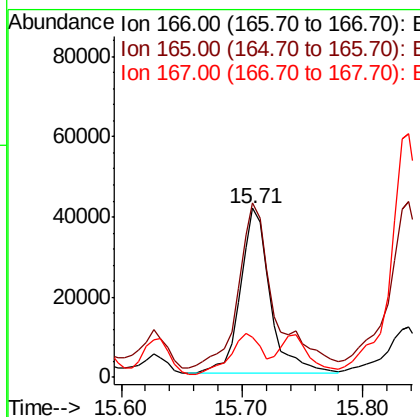
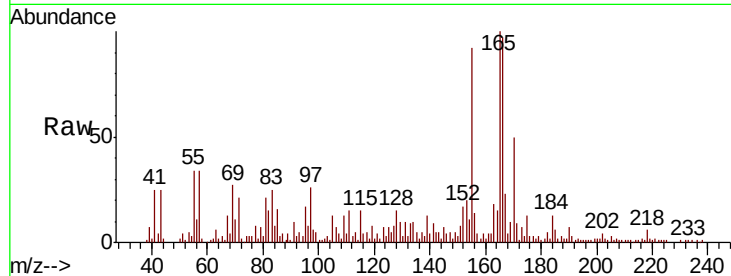




#58
 Fluorene
 Concen: 6.950 ng
 RT: 15.71 min Scan# 2148
 Delta R.T. -0.01 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

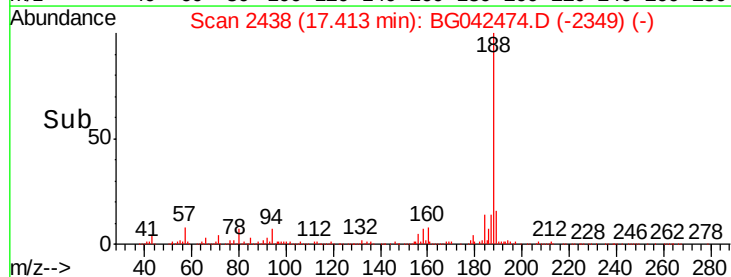
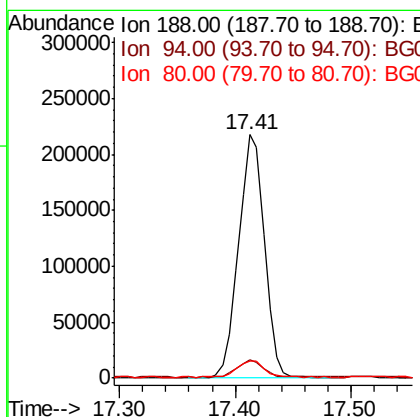
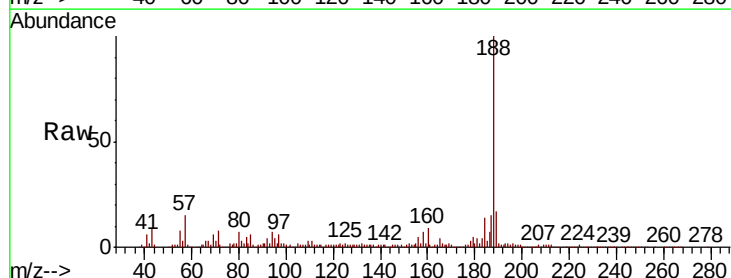
Instrument :
 BNA_G
 ClientSampleId :

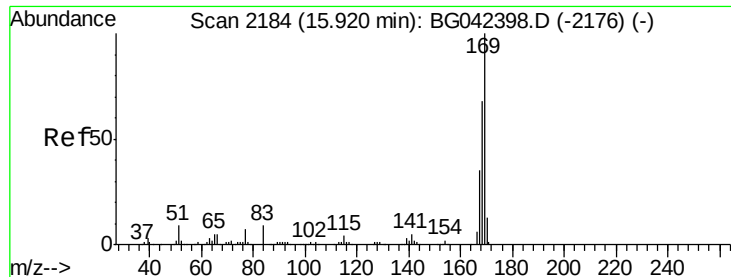
Tot Ion:166 Resp: 71624
 Ion Ratio Lower Upper
 166 100
 165 103.1 79.7 119.5
 167 24.0 10.9 16.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Tgt Ion:188 Resp: 336599
 Ion Ratio Lower Upper
 188 100
 94 7.4 4.5 6.7#
 80 7.2 4.9 7.3





#66

n-Nitrosodiphenylamine

Concen: 12.183 ng

RT: 15.92 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

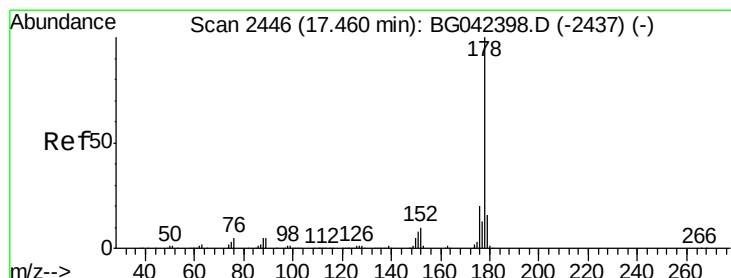
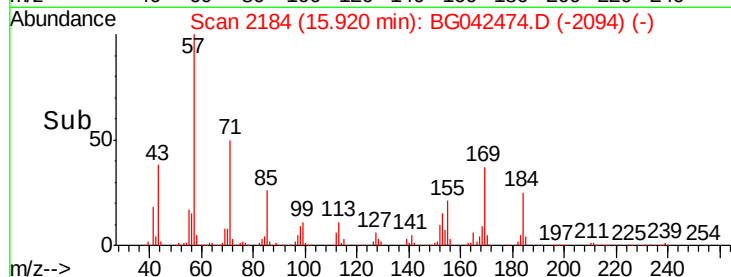
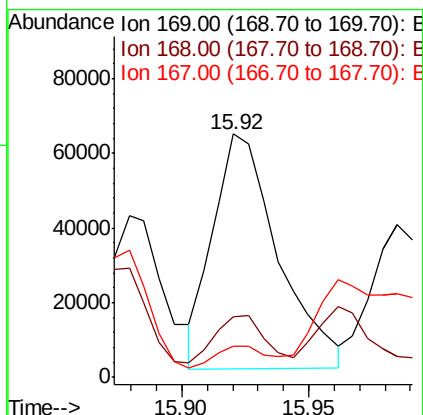
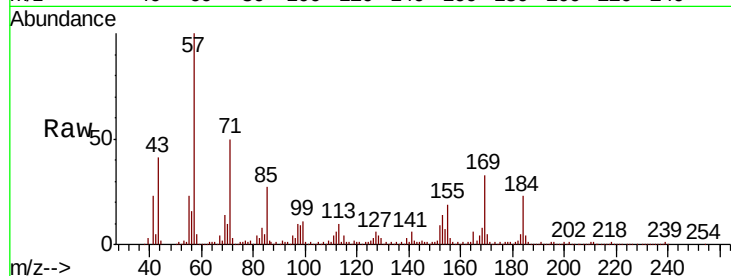
Tot Ion:169 Resp: 112775

Ion Ratio Lower Upper

169 100

168 25.1 54.3 81.5#

167 12.7 28.2 42.2#



#71

Phenanthrene

Concen: 12.121 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

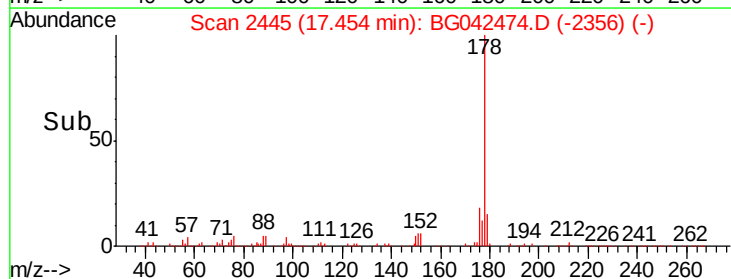
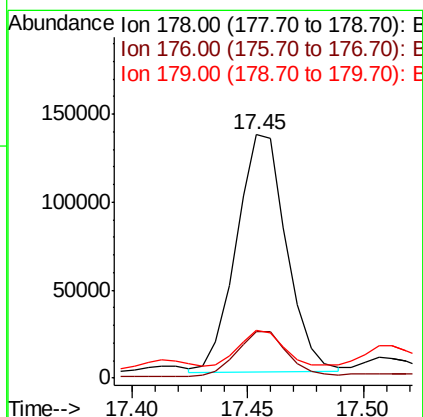
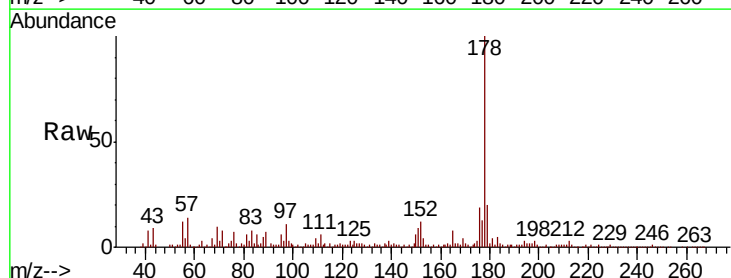
Tgt Ion:178 Resp: 202652

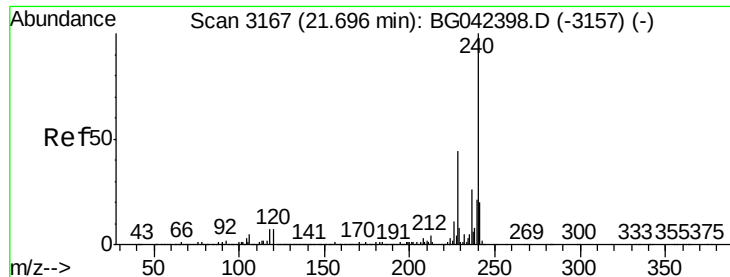
Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

179 19.6 12.7 19.1#

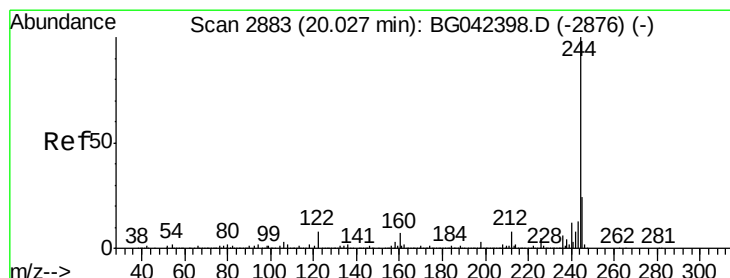
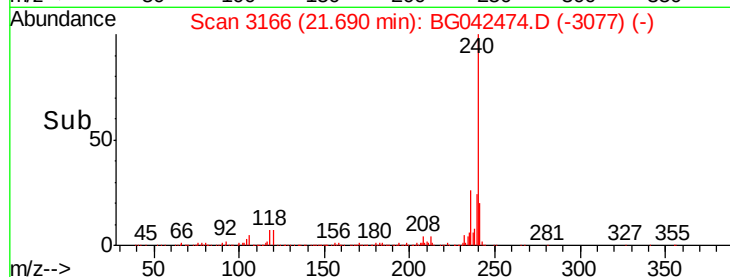
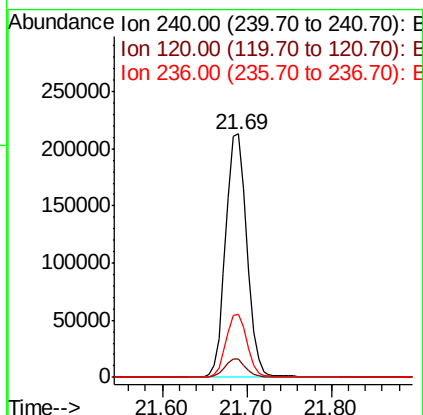
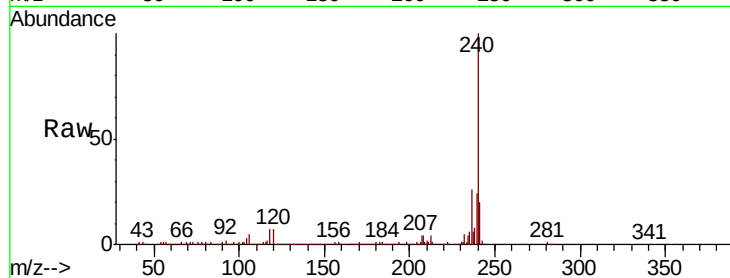




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

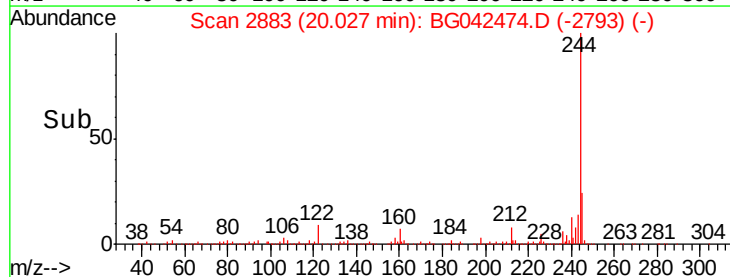
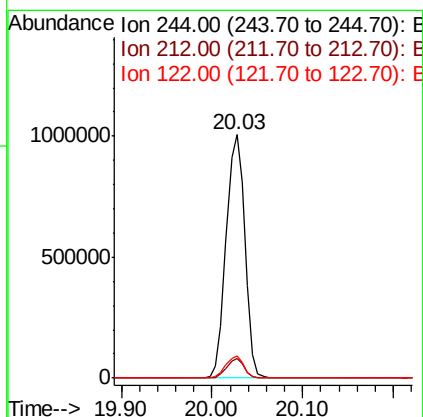
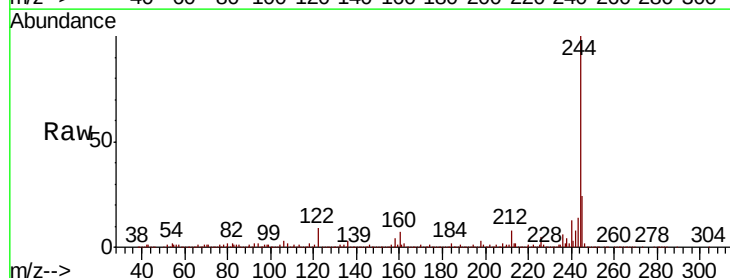
Instrument :
 BNA_G
 ClientSampleId :

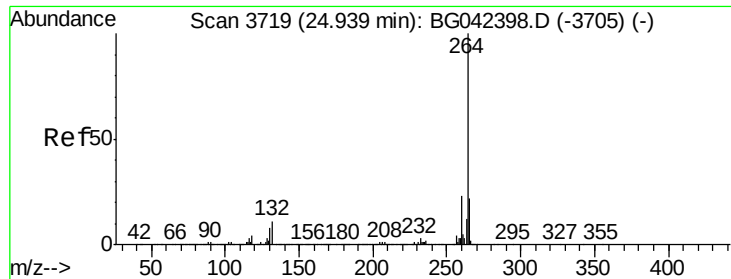
Tot Ion:240 Resp: 371284
 Ion Ratio Lower Upper
 240 100
 120 7.3 5.7 8.5
 236 25.9 21.0 31.4



#79
 Terphenyl-d14
 Concen: 83.824 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.00 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Tgt Ion:244 Resp: 1439576
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 9.0 6.7 10.1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	22.0	17.6	26.4

