

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042517.D
 Acq On : 27 Aug 2019 23:21
 Operator : HP/JU
 Sample : K4526-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 01:30:00 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	33422	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	127972	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	97806	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	249389	20.00	ng	0.00
76) Chrysene-d12	21.68	240	297448	20.00	ng	-0.01
87) Perylene-d12	24.92	264	352483	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	149574	90.64	ng	0.00
7) Phenol-d6	7.16	99	200058	89.75	ng	-0.01
23) Nitrobenzene-d5	9.16	82	109494	59.13	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	123848	89.09	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	323549	55.95	ng	0.00
79) Terphenyl-d14	20.02	244	692983	50.37	ng	0.00

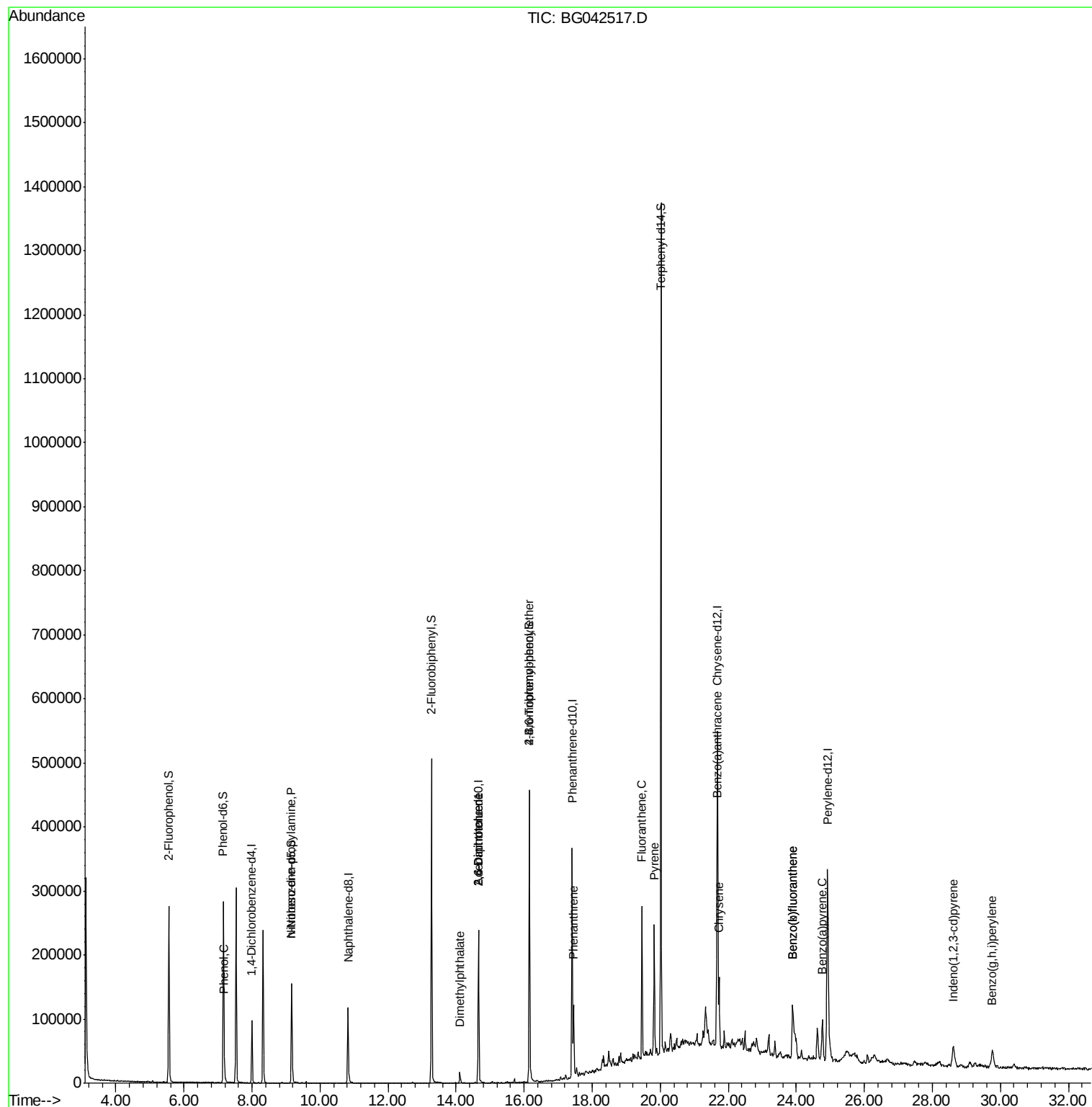
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	5962	2.631	ng	# 75
19) n-Nitroso-di-n-propylamine	9.16	70	13952	9.661	ng	# 73
50) Dimethylphthalate	14.11	163	20698	2.933	ng	# 96
51) 2,6-Dinitrotoluene	14.66	165	12664	7.742	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12664	5.406	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	8720	2.757	ng	# 1
71) Phenanthrene	17.45	178	77964	6.294	ng	97
75) Fluoranthene	19.46	202	160282	10.602	ng	97
78) Pyrene	19.83	202	141248	7.745	ng	97
81) Benzo(a)anthracene	21.67	228	73049	4.037	ng	99
83) Chrysene	21.73	228	80334	4.604	ng	98
86) Indeno(1,2,3-cd)pyrene	28.62	276	57232	2.413	ng	# 94
88) Benzo(b)fluoranthene	23.89	252	112238	5.792	ng	99
89) Benzo(k)fluoranthene	23.89	252	112238	6.026	ng	99
90) Benzo(a)pyrene	24.77	252	75985	4.132	ng	97
92) Benzo(g,h,i)perylene	29.76	276	55817	2.998	ng	94

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042517.D
Acq On : 27 Aug 2019 23:21
Operator : HP/JU
Sample : K4526-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 28 01:30:00 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



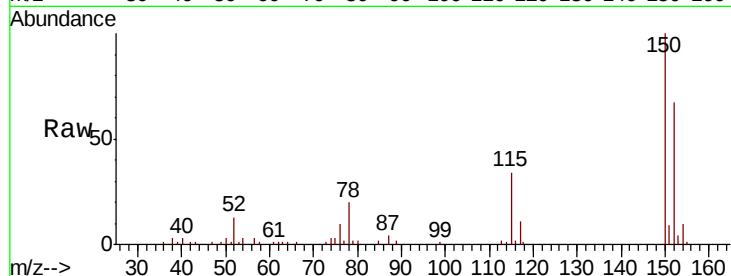


#1

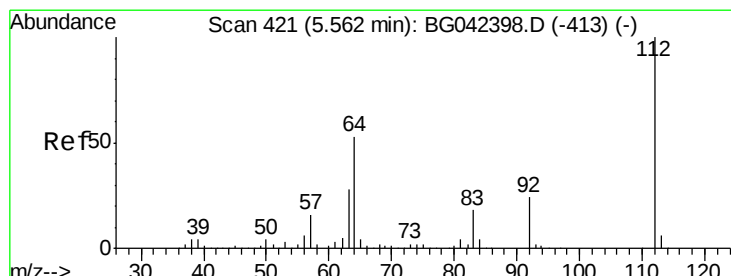
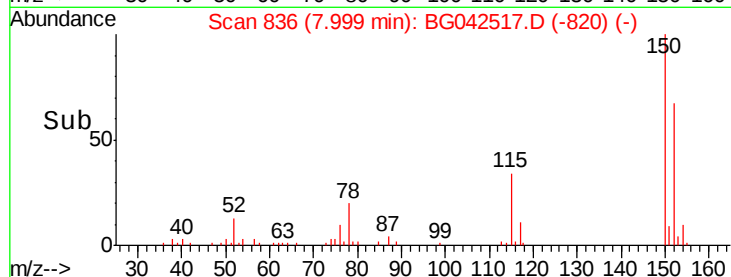
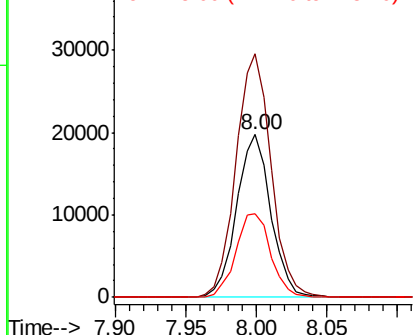
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33422
Ion Ratio Lower Upper
152 100
150 149.9 125.4 188.0
115 51.5 38.5 57.7



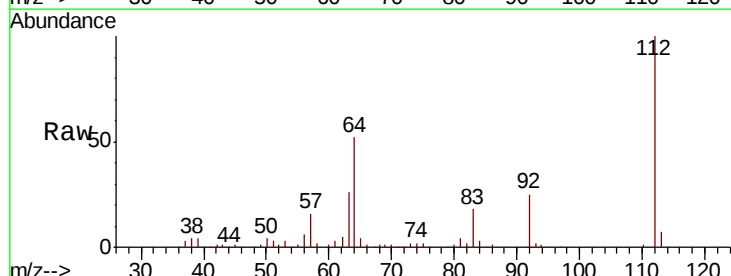
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



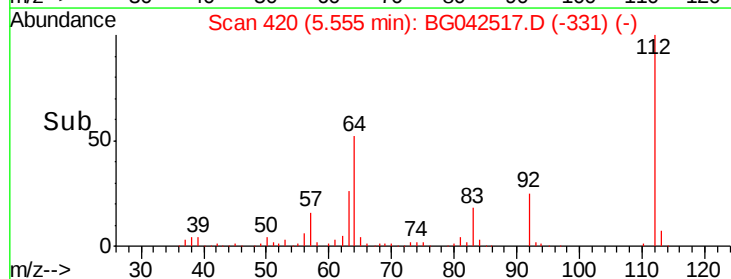
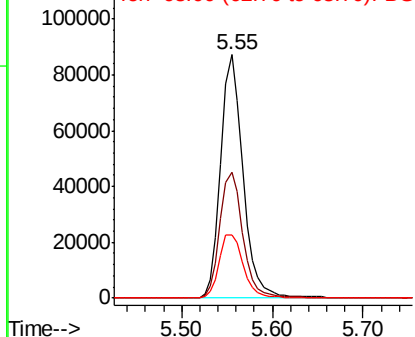
#5

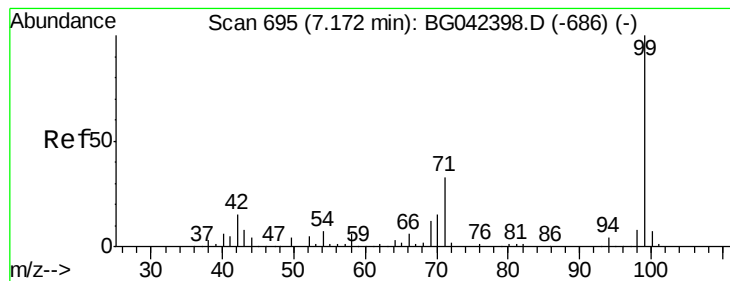
2-Fluorophenol
Concen: 90.638 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion:112 Resp: 149574
Ion Ratio Lower Upper
112 100
64 51.7 42.8 64.2
63 26.2 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: 89.749 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

Instrument :

BNA_G

ClientSampled :

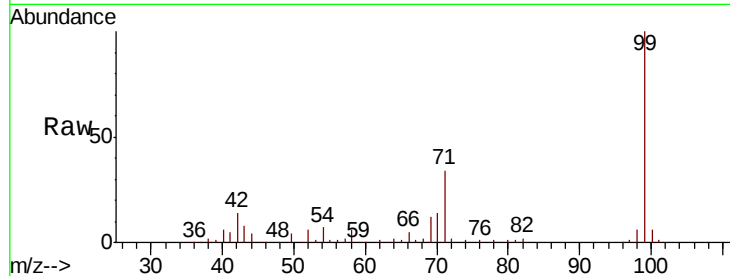
Tot Ion: 99 Resp: 200058

Ion Ratio Lower Upper

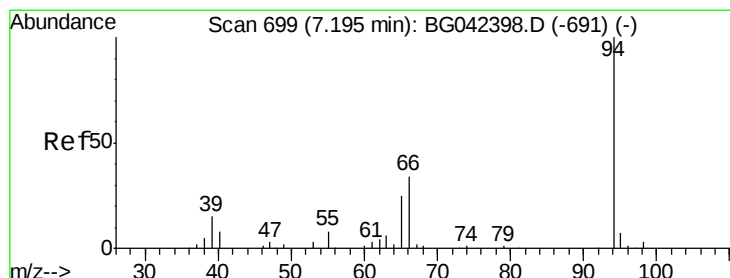
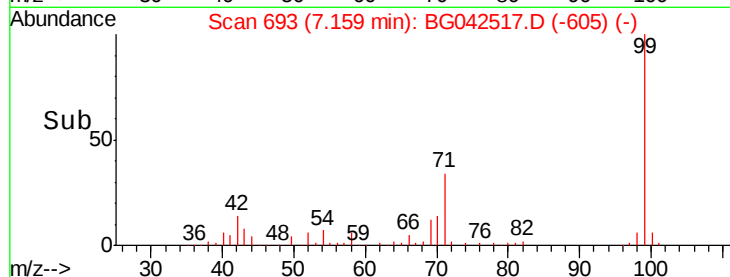
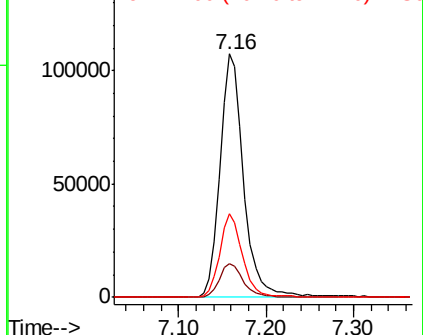
99 100

42 13.9 12.0 18.0

71 34.5 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: 2.631 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

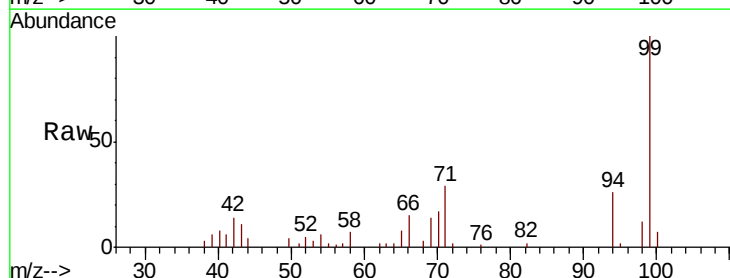
Tgt Ion: 94 Resp: 5962

Ion Ratio Lower Upper

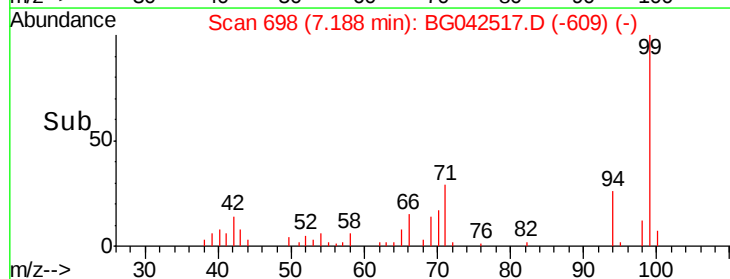
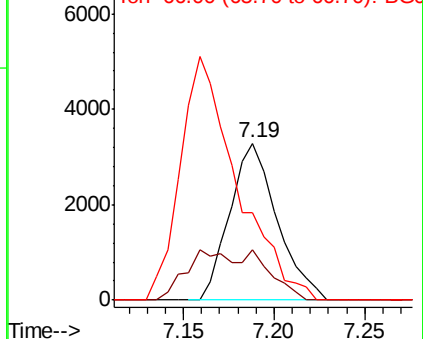
94 100

65 32.2 5.6 45.6

66 56.0 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

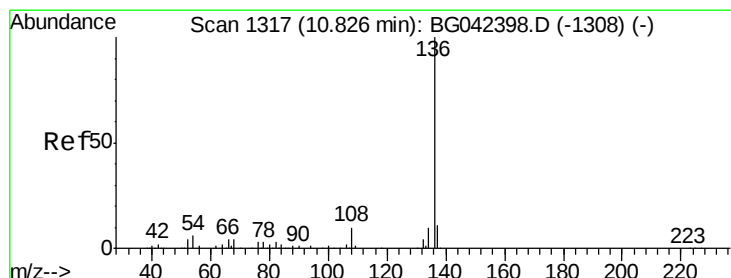
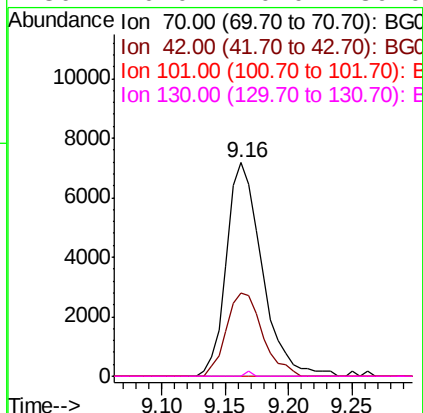
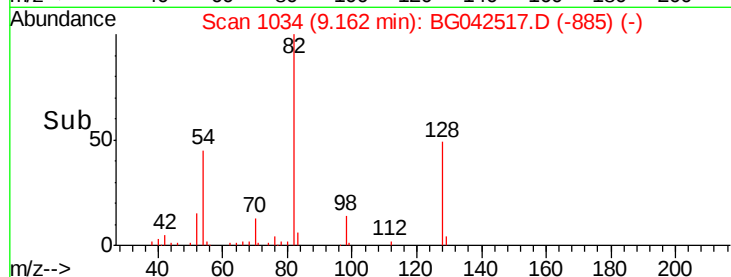
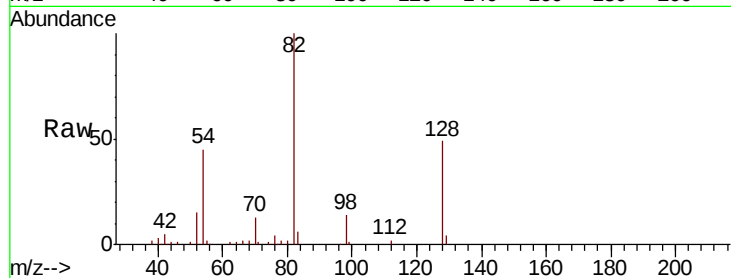




#19
n-Nitroso-di-n-propylamine
Concen: 9.661 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

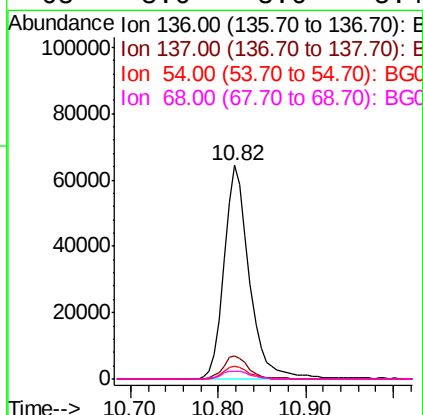
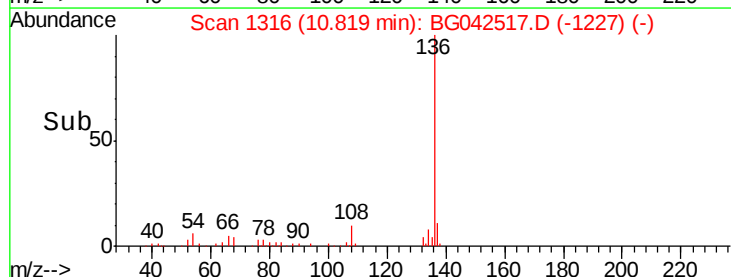
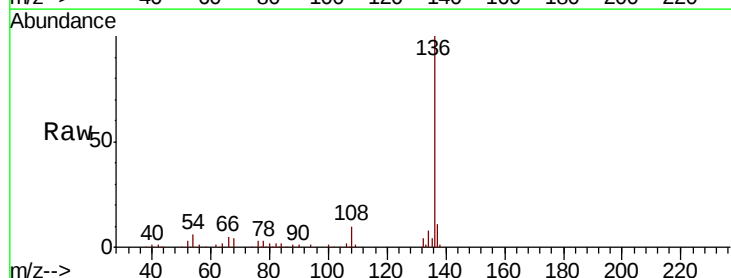
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 13952
Ion Ratio Lower Upper
70 100
42 39.0 38.8 58.2
101 0.0 9.0 13.6#
130 0.0 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion: 136 Resp: 127972
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 5.9 4.9 7.3
68 3.6 3.6 5.4

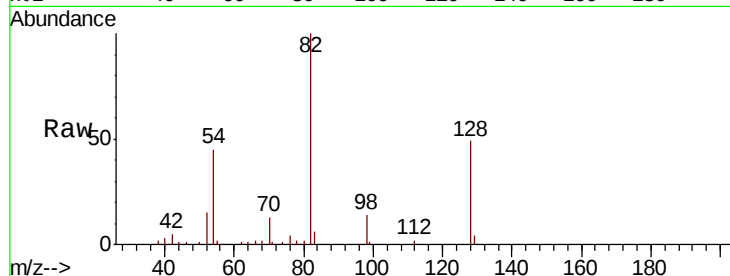




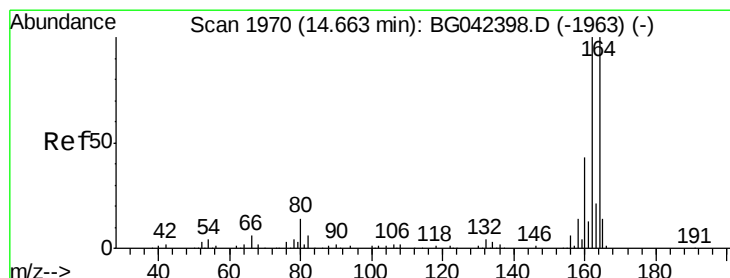
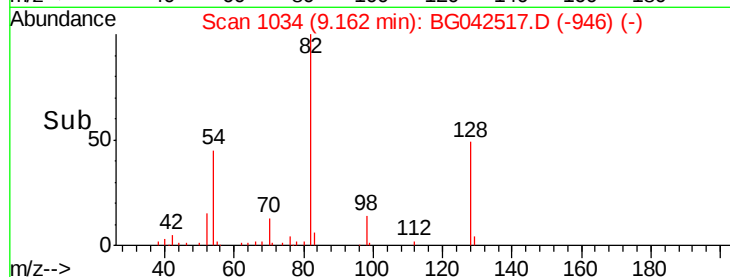
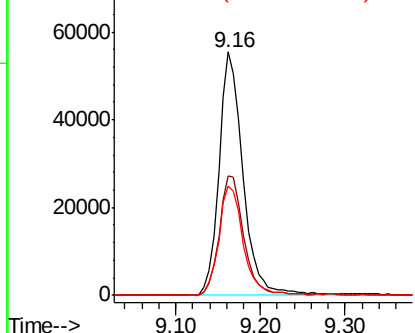
#23
Nitrobenzene-d5
Concen: 59.126 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	109494
Ion Ratio	Lower	Upper	
82	100		
128	49.3	40.7	61.1
54	45.1	36.3	54.5

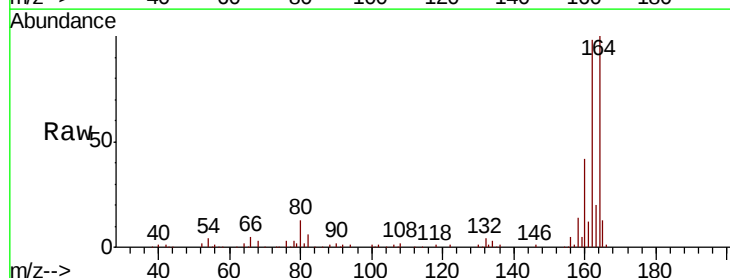


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

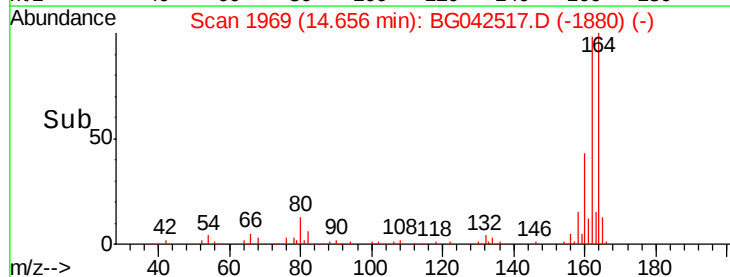
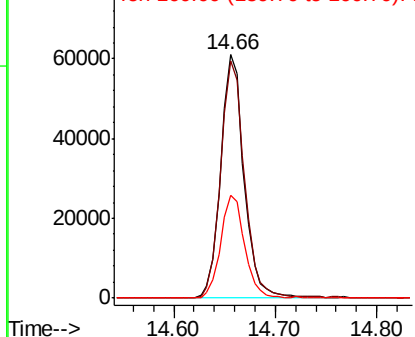


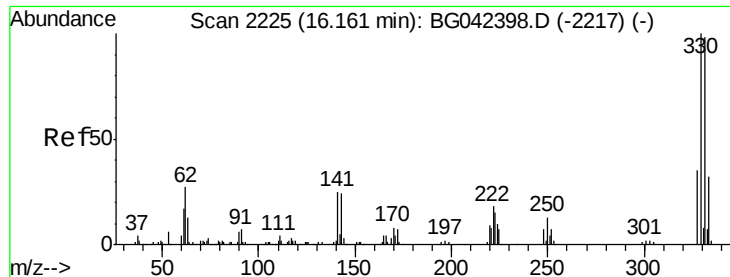
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion	164	Resp	97806
Ion Ratio	Lower	Upper	
164	100		
162	97.5	79.9	119.9
160	42.3	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 89.090 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

Instrument :

BNA_G

ClientSampleId :

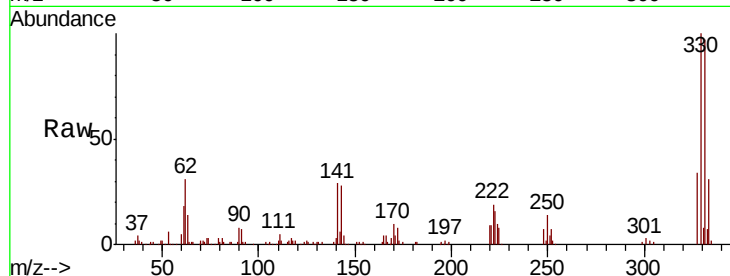
Tot Ion:330 Resp: 123848

Ion Ratio Lower Upper

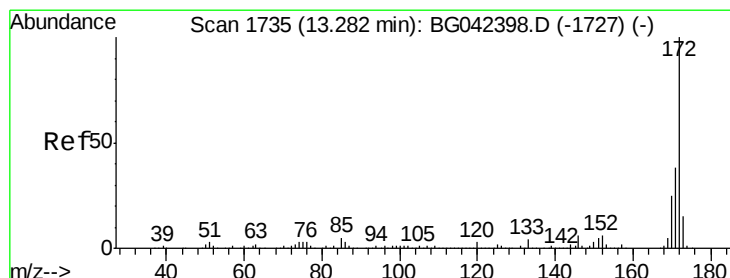
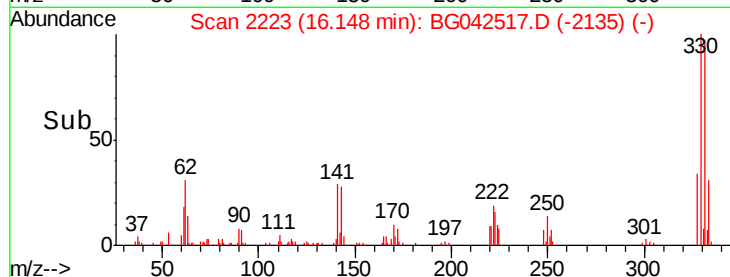
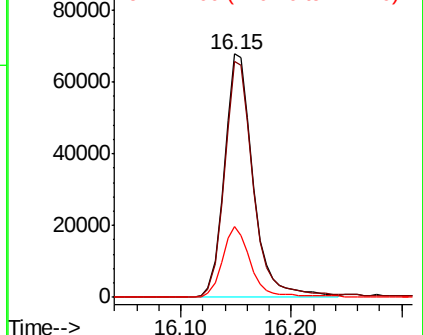
330 100

332 97.5 77.4 116.0

141 29.0 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: 55.949 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

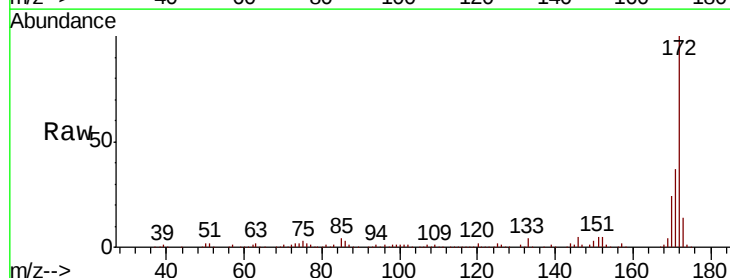
Tgt Ion:172 Resp: 323549

Ion Ratio Lower Upper

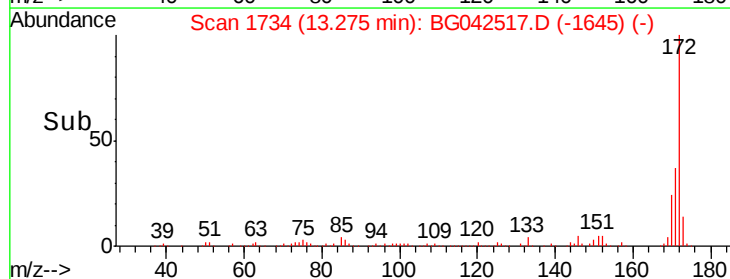
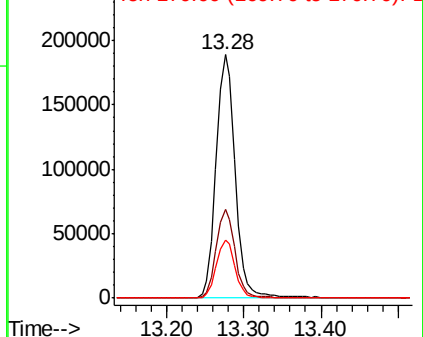
172 100

171 36.7 30.5 45.7

170 23.6 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

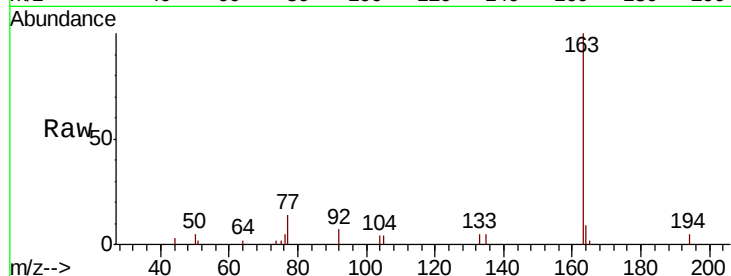




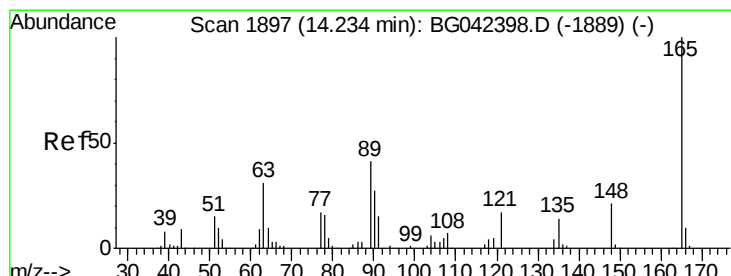
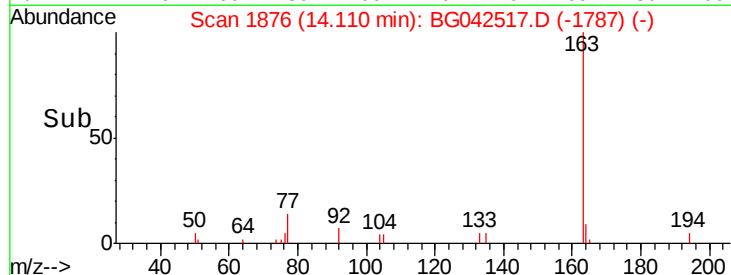
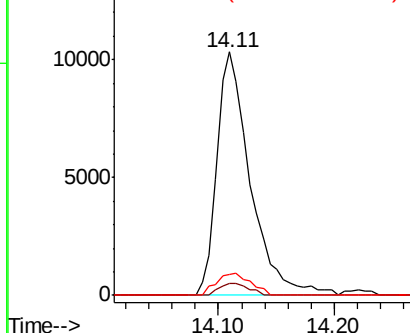
#50
Dimethylphthalate
Concen: 2.933 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	8.8	8.8	13.2#

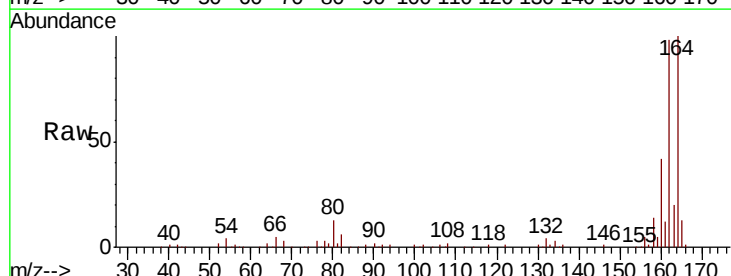


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

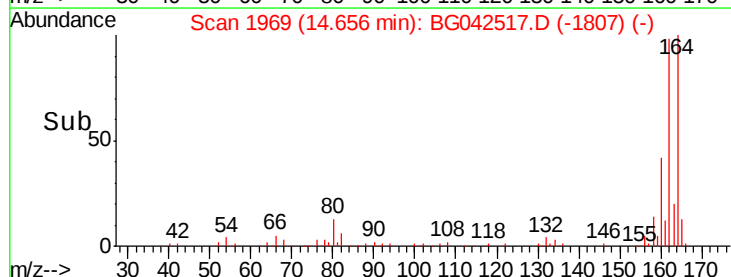
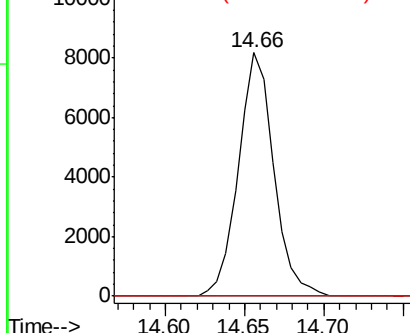


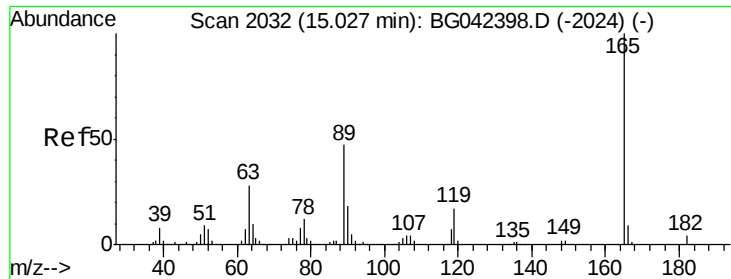
#51
2,6-Dinitrotoluene
Concen: 7.742 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt 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): BGC
Ion 89.00 (88.70 to 89.70): BGC

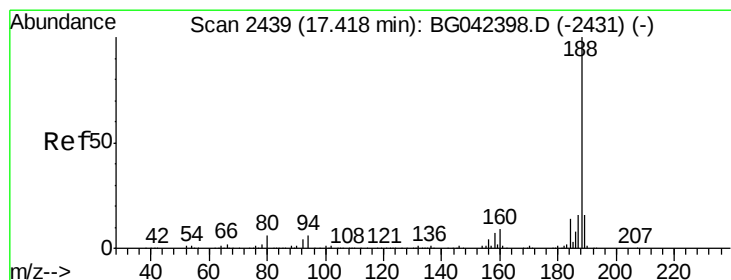
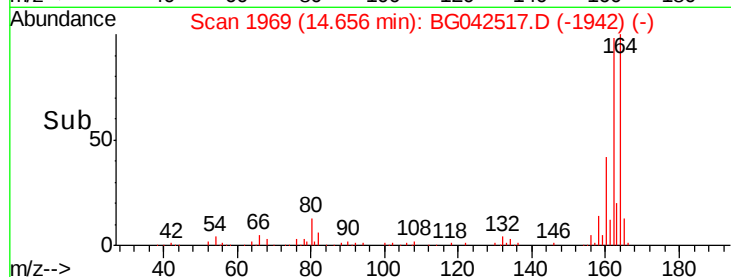
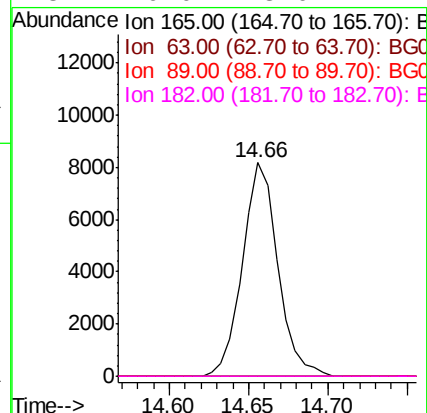
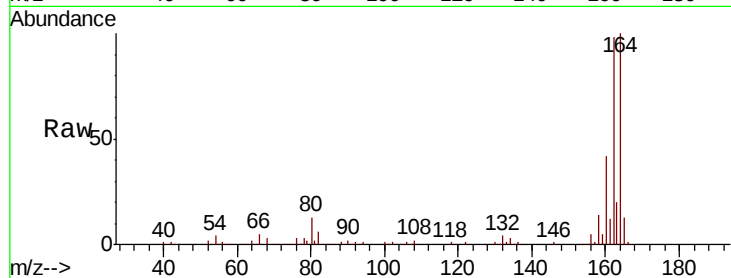




#57
 2,4-Dinitrotoluene
 Concen: 5.406 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042517.D
 Acq: 27 Aug 2019 23:21

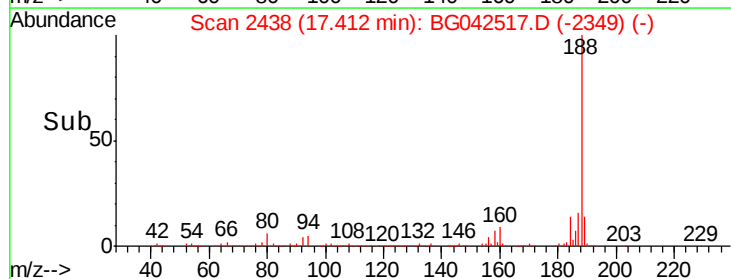
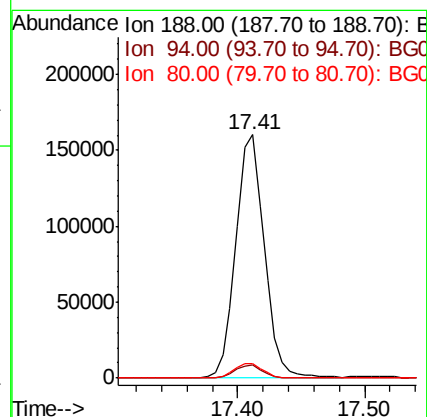
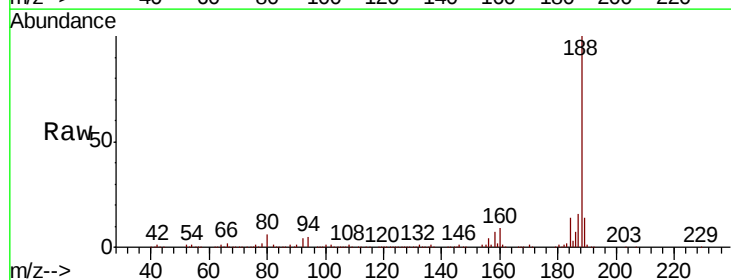
Instrument :
 BNA_G
 ClientSampleId :

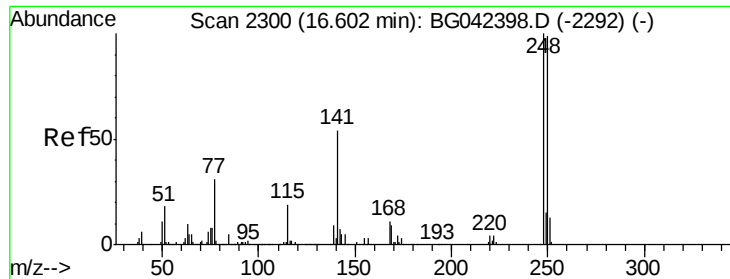
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042517.D
 Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.5	6.7
80	5.9	4.9	7.3

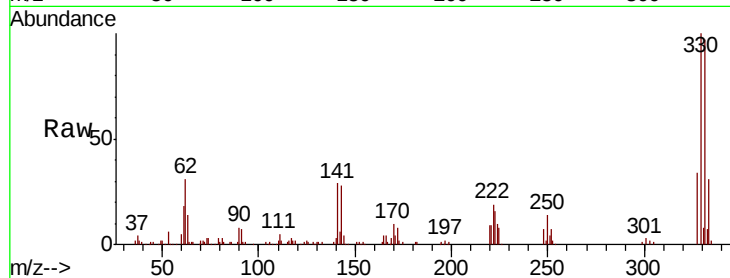




#67
 4-Bromophenyl-phenylether
 Concen: 2.757 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042517.D
 Acq: 27 Aug 2019 23:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	190.0	78.9	118.3#
141	392.8	43.3	64.9#

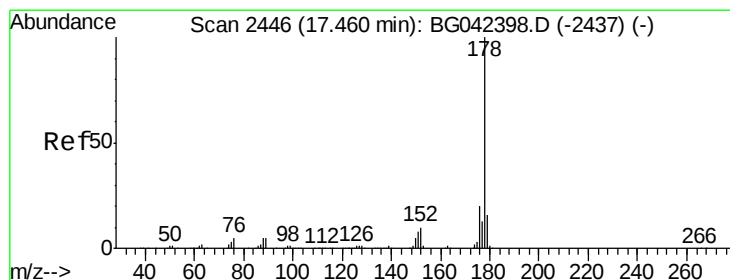
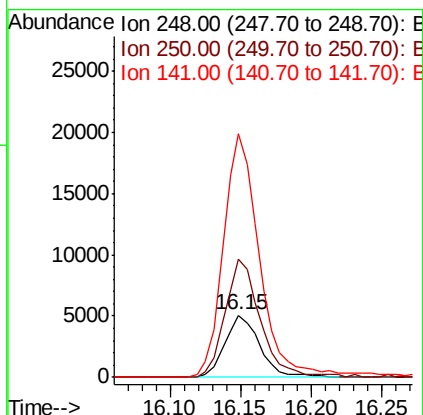
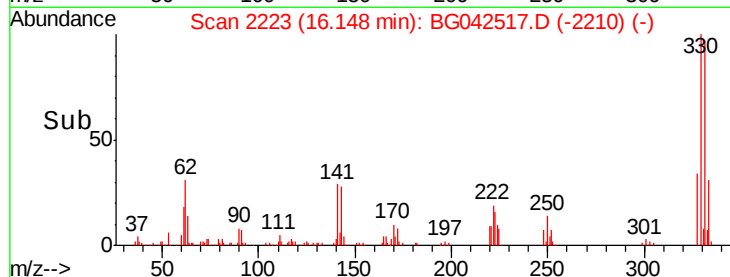


Abundance

Ion 248.00 (247.70 to 248.70): E

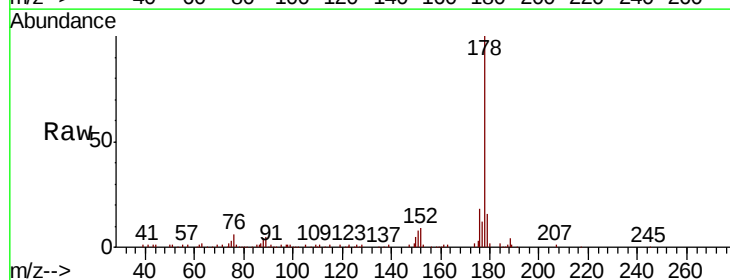
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 6.294 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042517.D
 Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	16.3	12.7	19.1

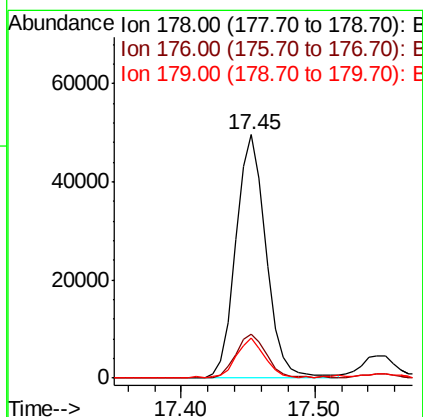
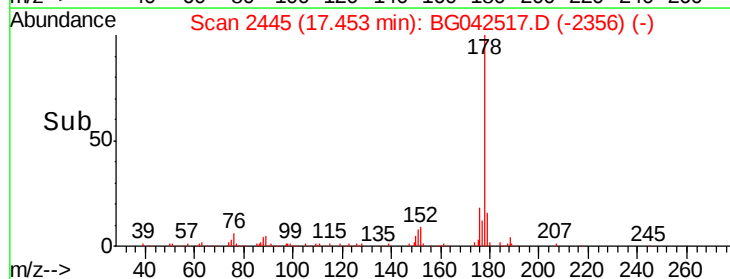


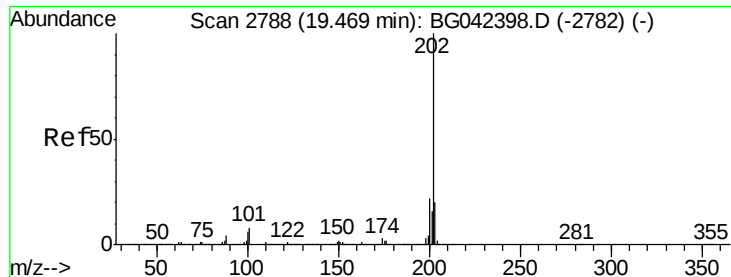
Abundance

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





#75

Fluoranthene

Concen: 10.602 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042517.D

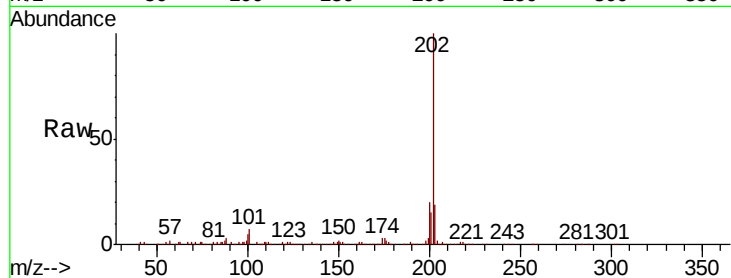
Acq: 27 Aug 2019 23:21

Instrument :

BNA_G

ClientSampleId :

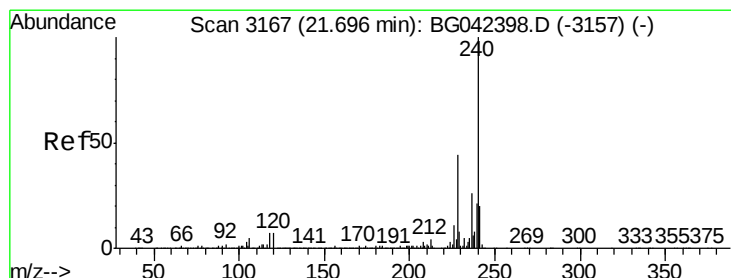
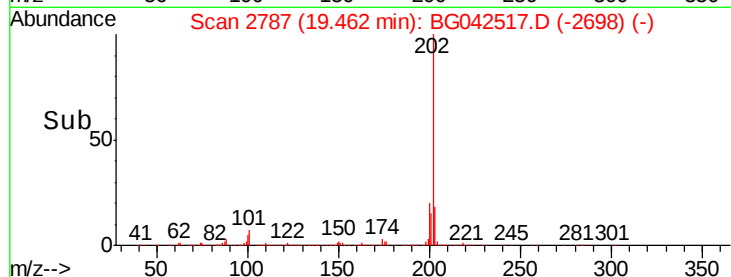
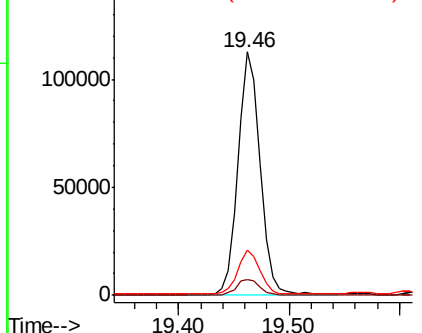
Tot Ion:	202	Resp:	160282
Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.3
203	18.5	0.0	39.6



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

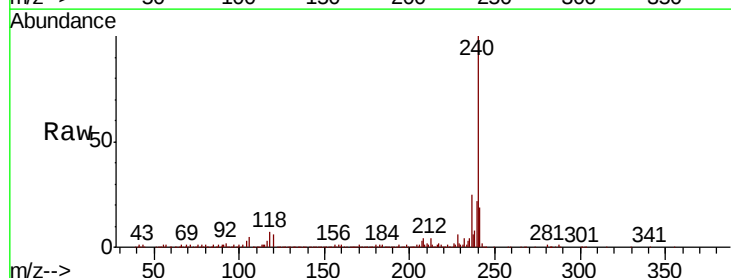
RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

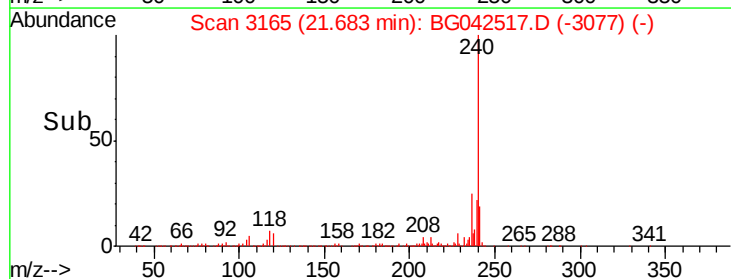
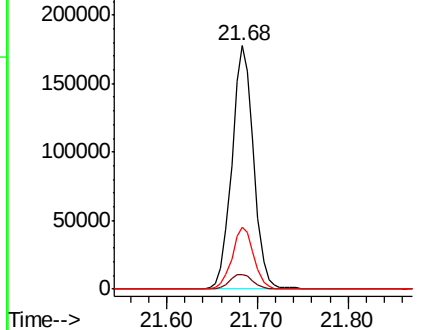
Tgt Ion:	240	Resp:	297448
Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.7	8.5
236	25.5	21.0	31.4

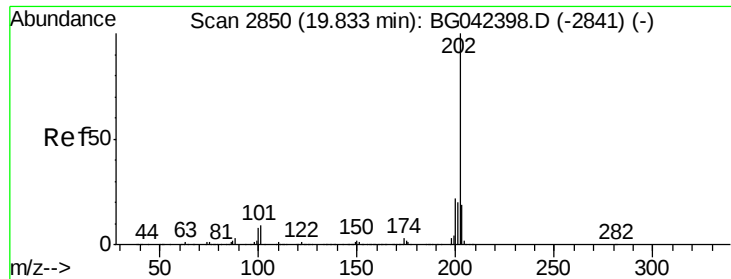


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

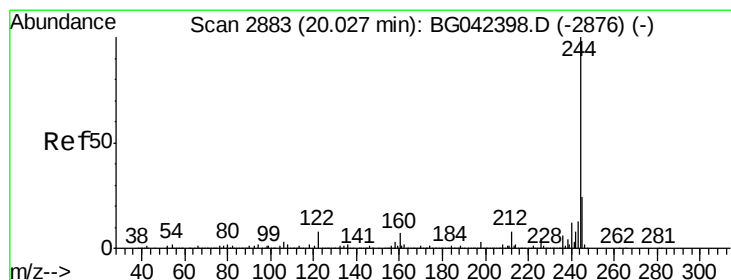
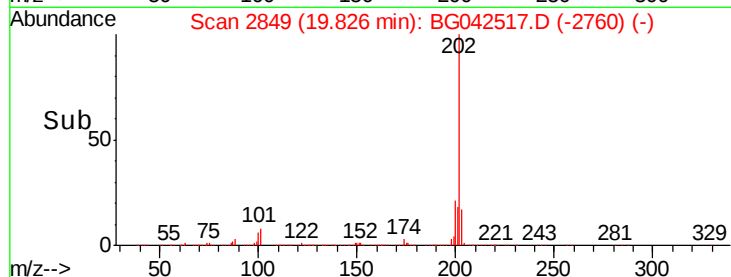
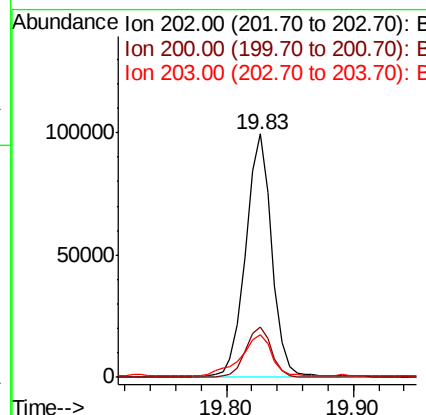
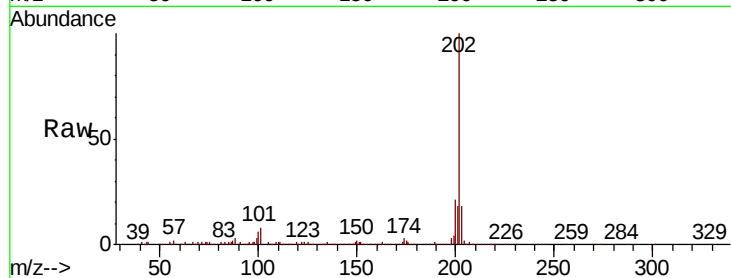




#78
Pvrene
Concen: 7.745 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

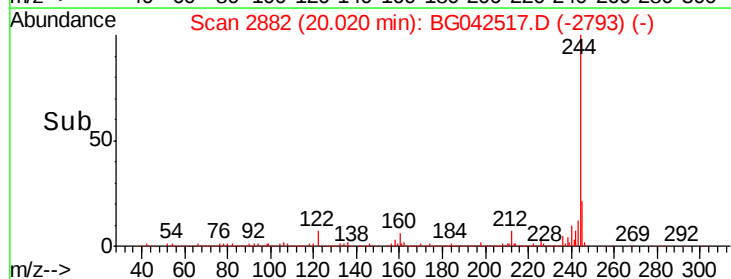
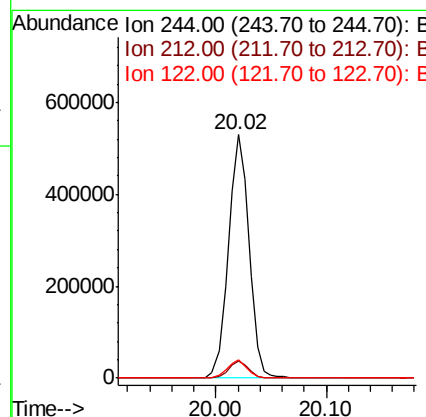
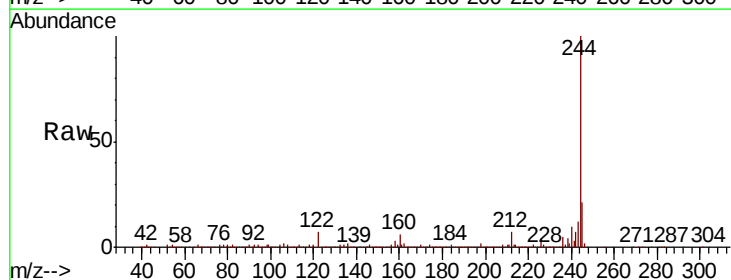
Instrument :
BNA_G
ClientSampled :

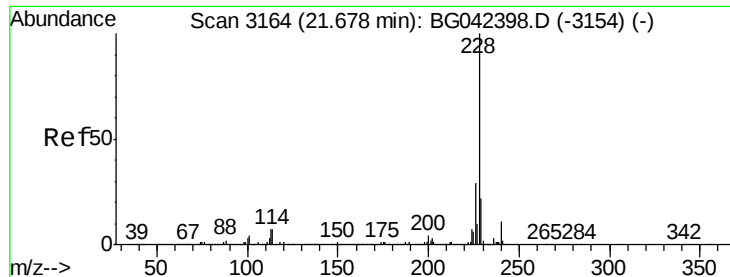
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	17.5	15.5	23.3



#79
Terphenyl-d14
Concen: 50.368 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	7.3	6.7	10.1





#81

Benzo(a)anthracene

Concen: 4.037 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

Instrument :

BNA_G

ClientSampleId :

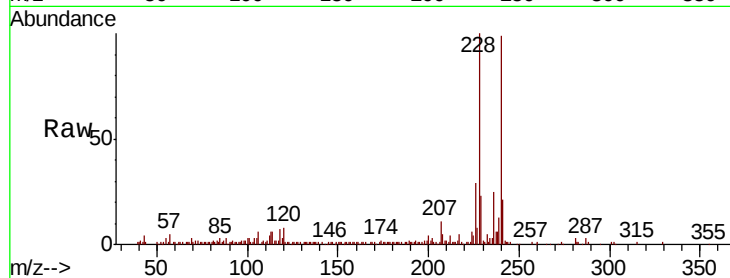
Tot Ion:228 Resp: 73049

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

229 22.5 17.4 26.2

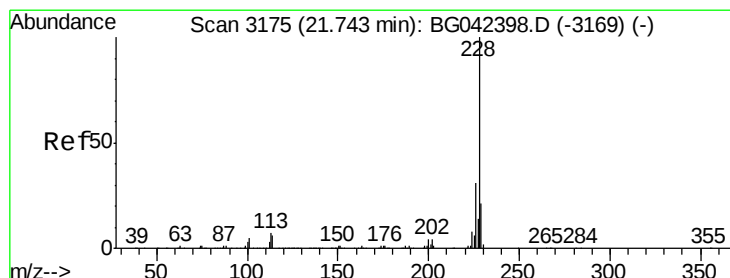
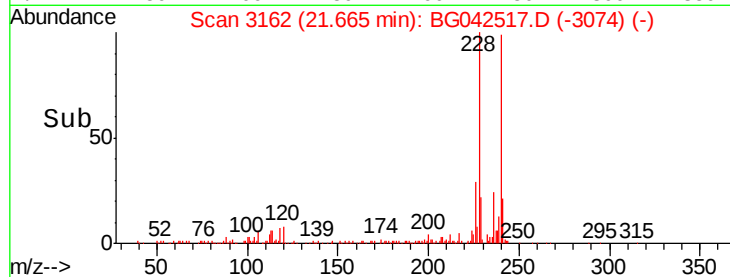
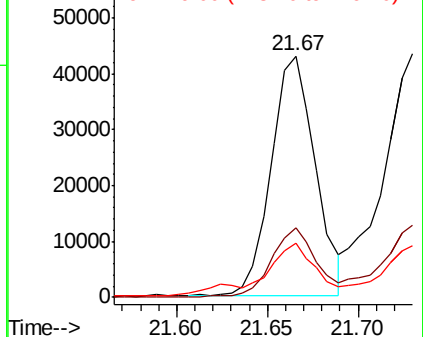


Abundance

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



#83

Chrysene

Concen: 4.604 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042517.D

Acq: 27 Aug 2019 23:21

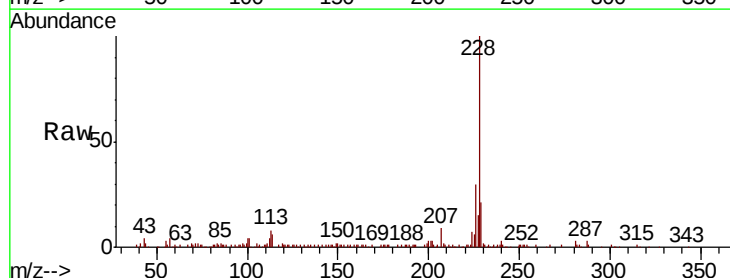
Tgt Ion:228 Resp: 80334

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

229 21.4 16.9 25.3

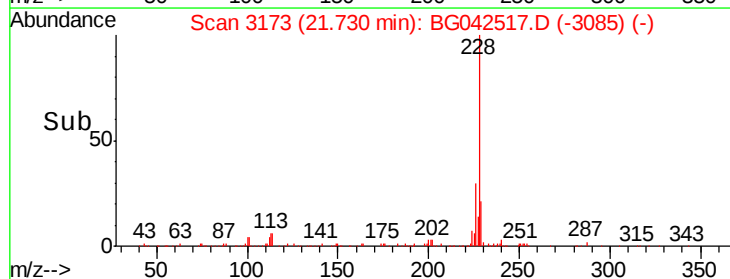
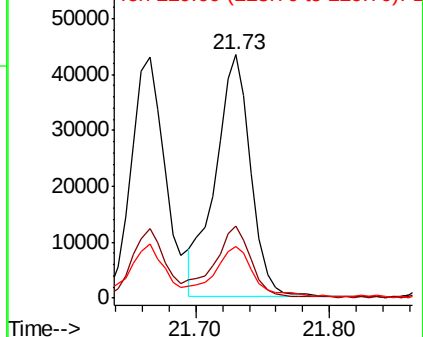


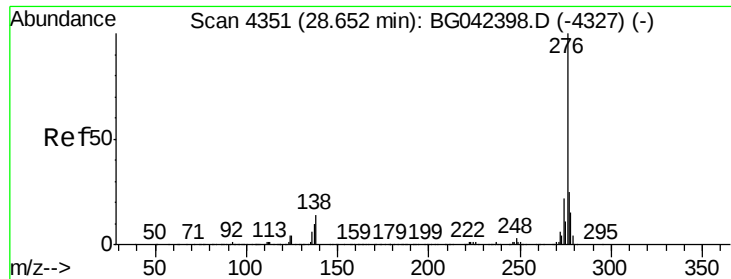
Abundance

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

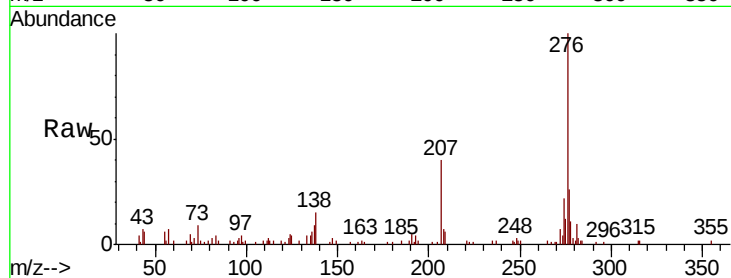




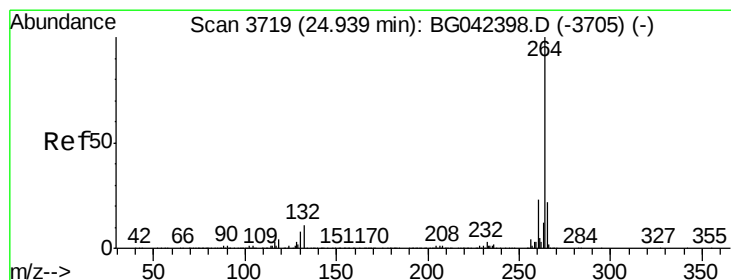
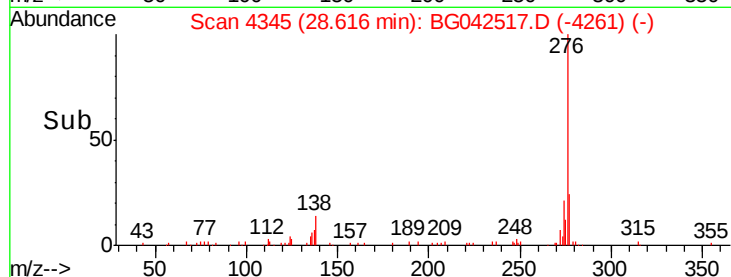
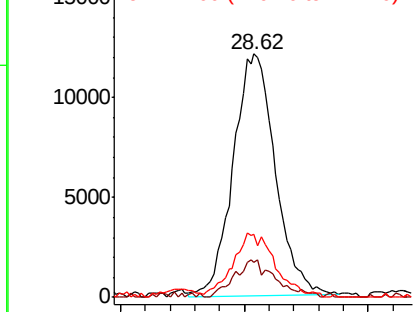
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.413 ng
RT: 28.62 min Scan# 4345
Delta R.T. -0.04 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:276 Resp: 57232
Ion Ratio Lower Upper
276 100
138 14.3 9.2 13.8#
277 23.6 21.0 31.6

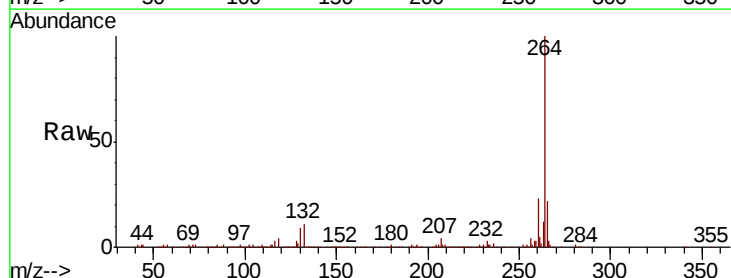


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

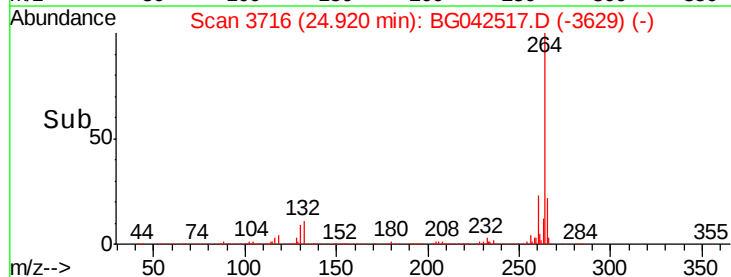
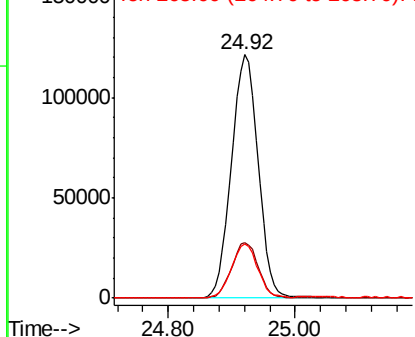


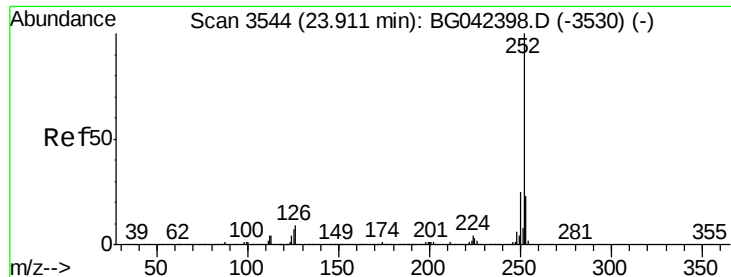
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion:264 Resp: 352483
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 22.4 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

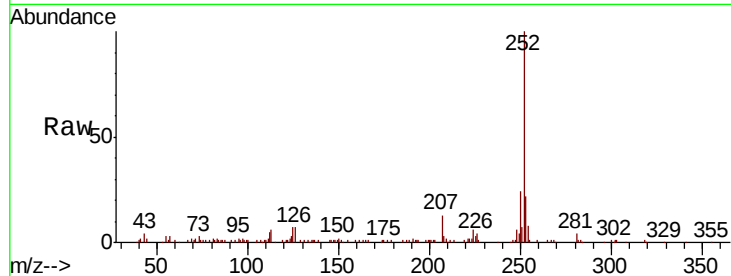




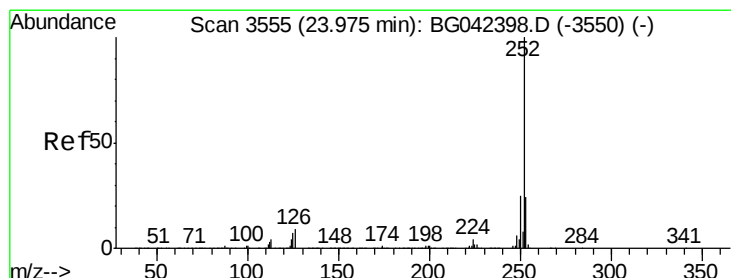
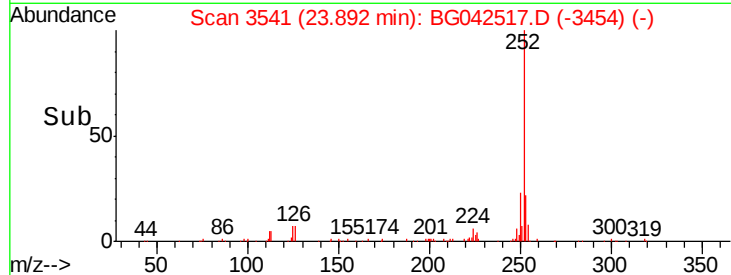
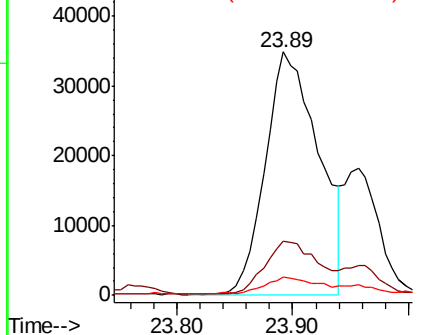
#88
Benzo(b)fluoranthene
Concen: 5.792 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 112238
Ion Ratio Lower Upper
252 100
253 22.5 18.6 27.8
125 7.3 5.6 8.4

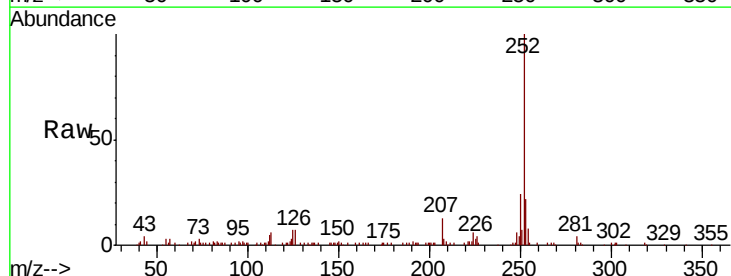


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

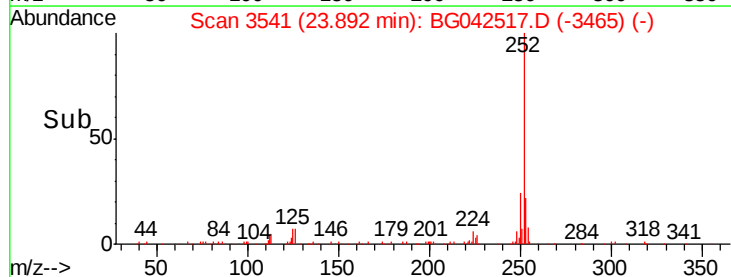
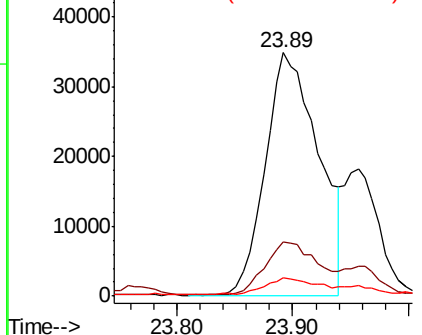


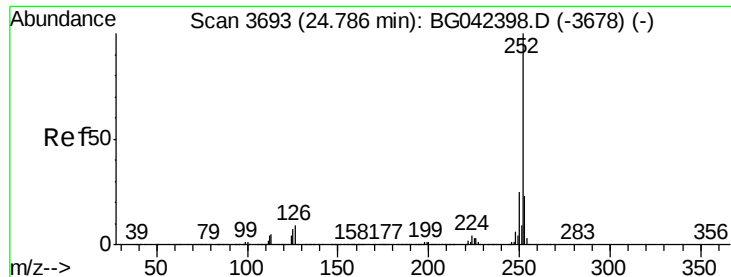
#89
Benzo(k)fluoranthene
Concen: 6.026 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion:252 Resp: 112238
Ion Ratio Lower Upper
252 100
253 22.5 18.6 27.8
125 7.3 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

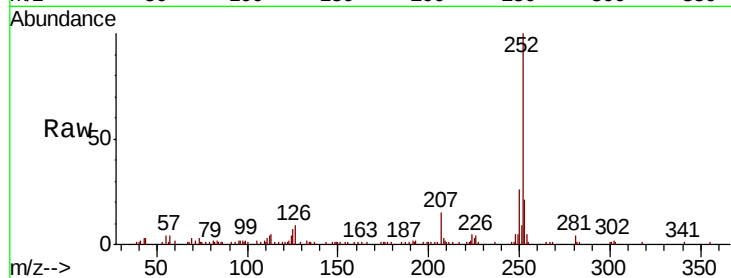




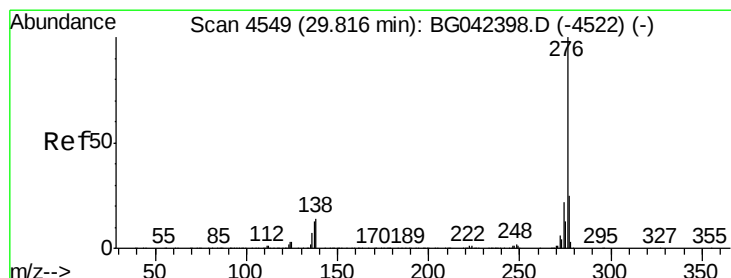
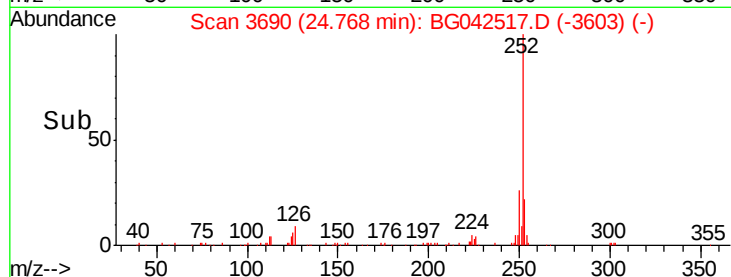
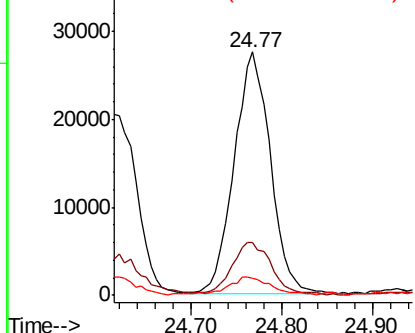
#90
Benzo(a)pyrene
Concen: 4.132 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	6.8	6.0	9.0

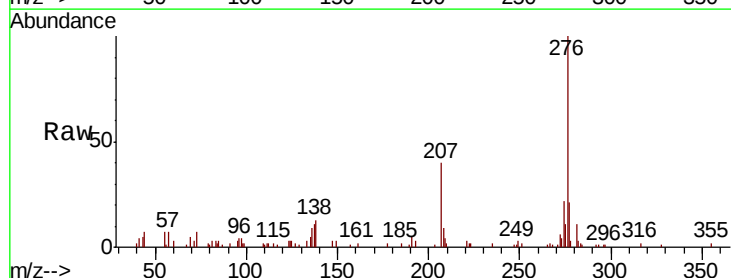


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.998 ng
RT: 29.76 min Scan# 4539
Delta R.T. -0.06 min
Lab File: BG042517.D
Acq: 27 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.4	19.8	29.8
138	12.7	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

