

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042519.D
 Acq On : 28 Aug 2019 00:38
 Operator : HP/JU
 Sample : K4526-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 01:30:41 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	41068	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	156985	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	112490	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	259641	20.00	ng	0.00
76) Chrysene-d12	21.68	240	324742	20.00	ng	-0.01
87) Perylene-d12	24.92	264	385254	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	198170	97.73	ng	0.00
7) Phenol-d6	7.16	99	264232	96.47	ng	-0.01
23) Nitrobenzene-d5	9.16	82	149877	65.98	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	168240	105.22	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	469246	70.55	ng	0.00
79) Terphenyl-d14	20.02	244	934863	62.24	ng	0.00

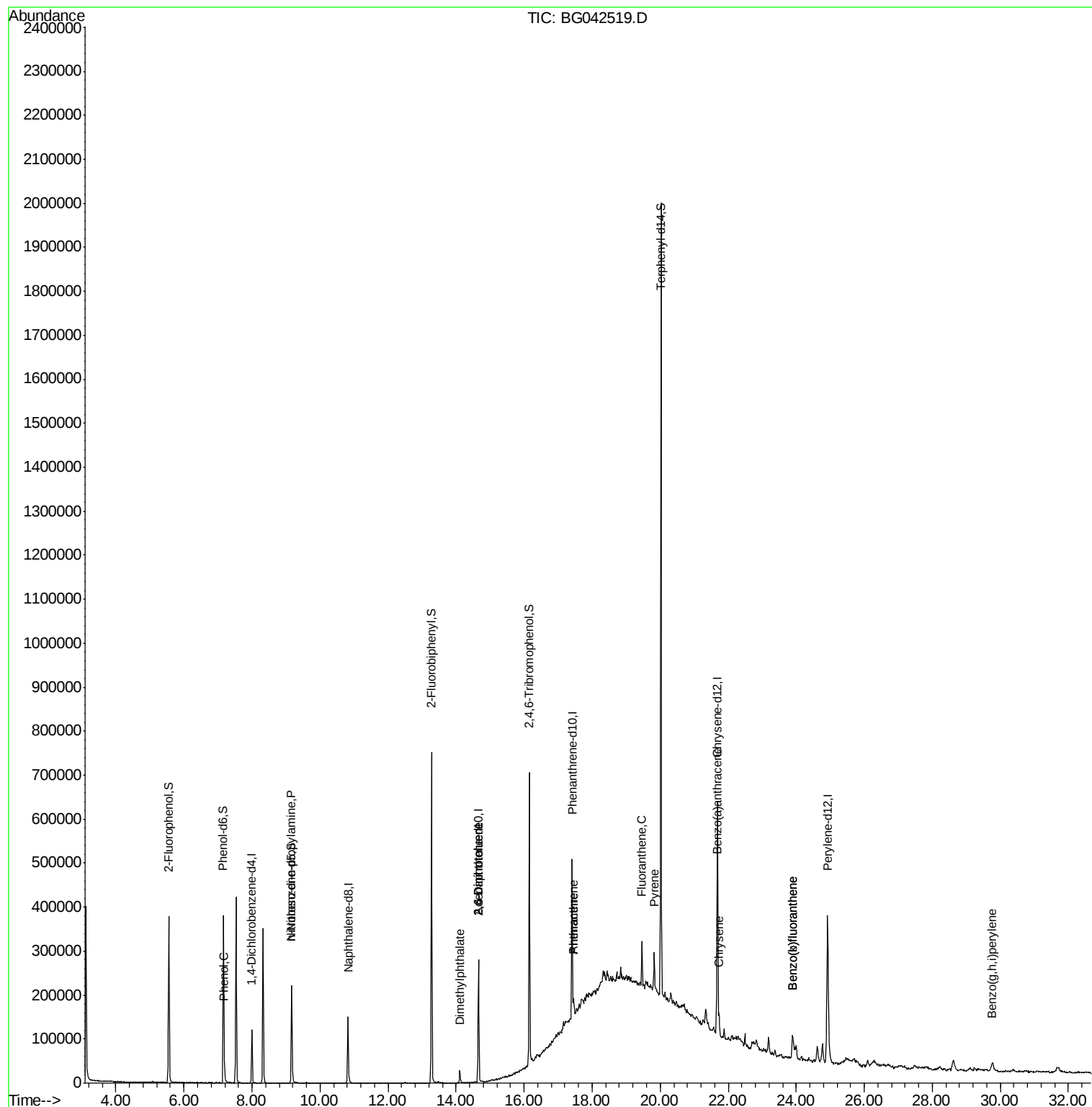
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	10790	3.874	ng	89
19) n-Nitroso-di-n-propylamine	9.17	70	19013	10.715	ng	# 76
50) Dimethylphthalate	14.11	163	29945	3.689	ng	# 97
51) 2,6-Dinitrotoluene	14.66	165	15143	8.049	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	15143	5.621	ng	# 38
71) Phenanthrene	17.45	178	26465	2.052	ng	95
72) Anthracene	17.45	178	26447	2.054	ng	95
75) Fluoranthene	19.46	202	72520	4.607	ng	98
78) Pyrene	19.83	202	65898	3.310	ng	98
81) Benzo(a)anthracene	21.67	228	40577	2.054	ng	97
83) Chrysene	21.73	228	43394	2.278	ng	100
88) Benzo(b)fluoranthene	23.89	252	70806	3.343	ng	97
89) Benzo(k)fluoranthene	23.89	252	70806	3.478	ng	97
92) Benzo(a,h,i)perylene	29.76	276	40930	2.011	ng	94

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

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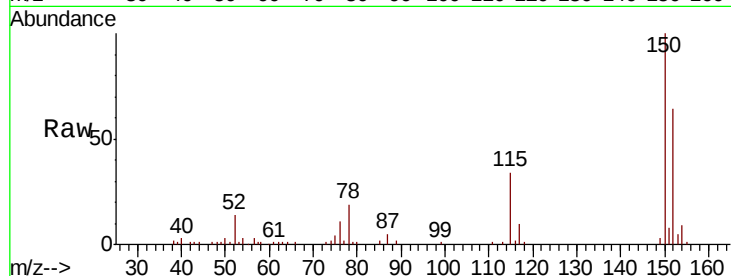


#1

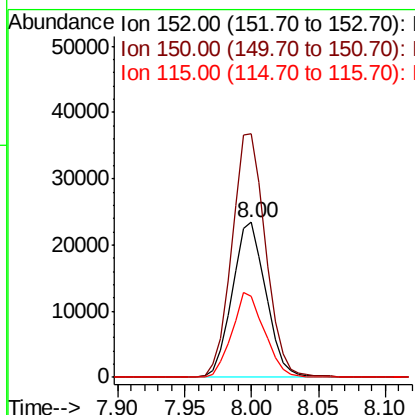
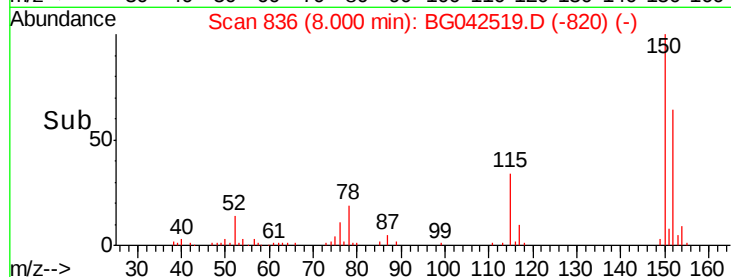
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 41068
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.4 188.0
 115 52.7 38.5 57.7



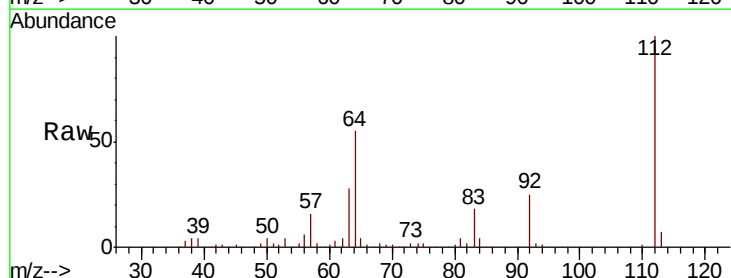
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



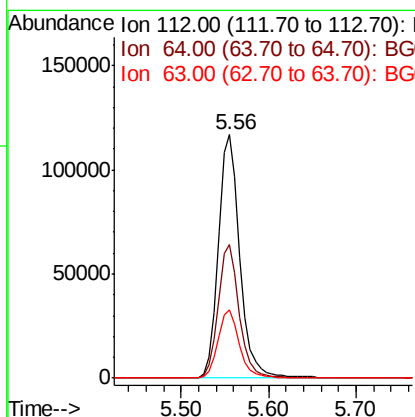
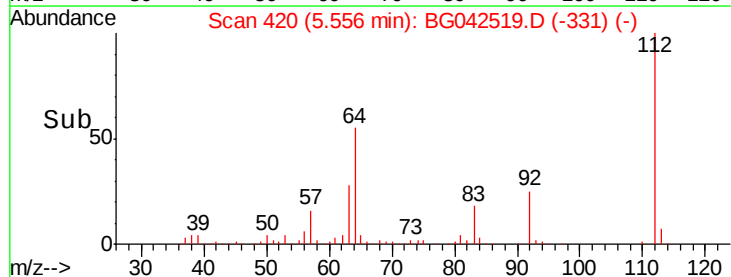
#5

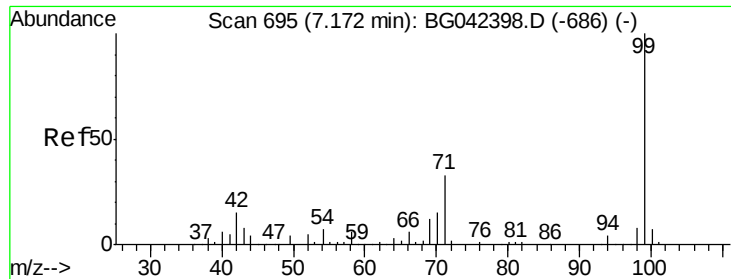
2-Fluorophenol
 Concen: 97.729 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Tgt Ion:112 Resp: 198170
 Ion Ratio Lower Upper
 112 100
 64 54.9 42.8 64.2
 63 28.2 22.7 34.1



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





#7

Phenol-d6

Concen: 96.469 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Instrument :

BNA_G

ClientSampled :

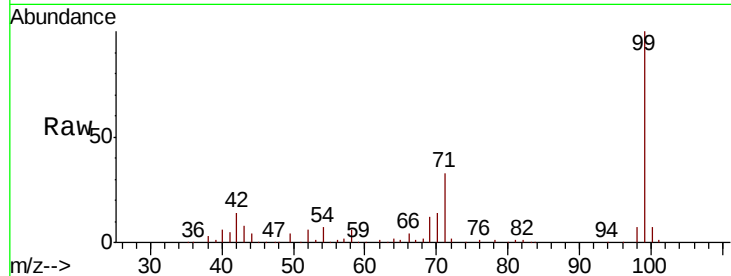
Tot Ion: 99 Resp: 264232

Ion Ratio Lower Upper

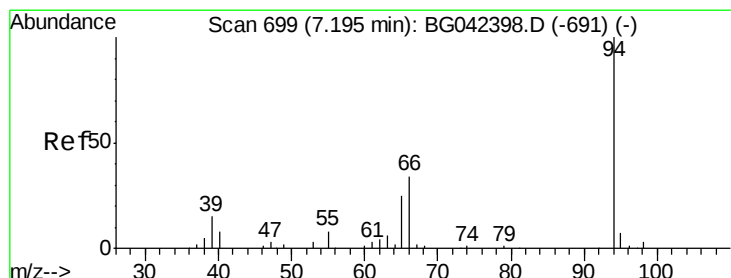
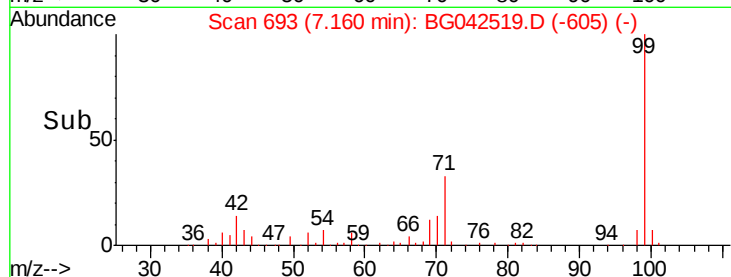
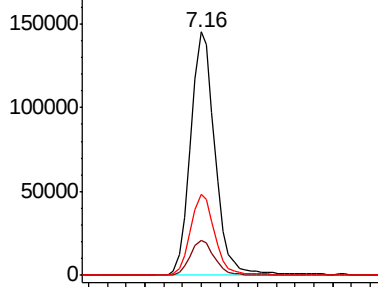
99 100

42 14.3 12.0 18.0

71 33.4 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: 3.874 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

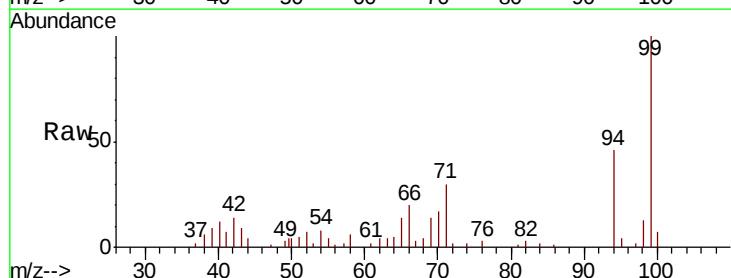
Tgt Ion: 94 Resp: 10790

Ion Ratio Lower Upper

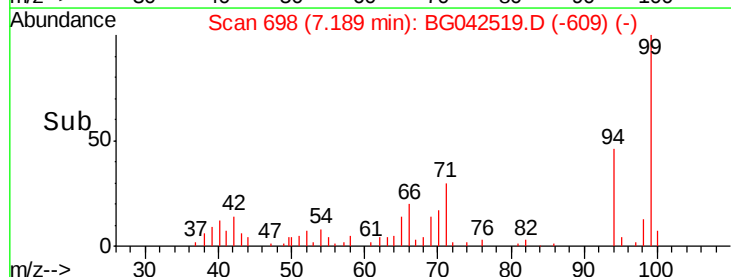
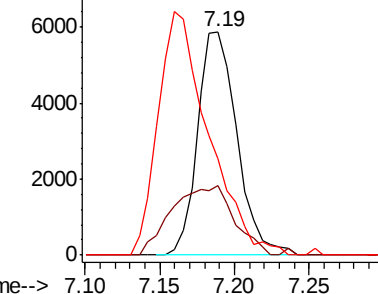
94 100

65 30.9 5.6 45.6

66 43.0 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: 10.715 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 19013

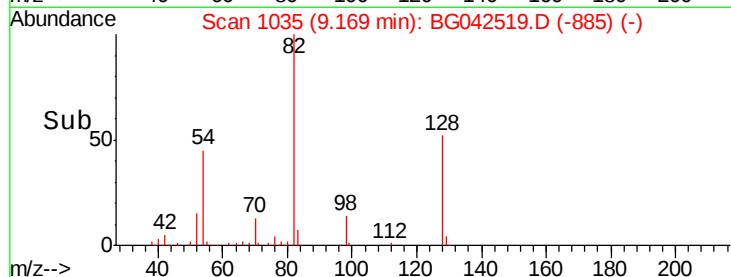
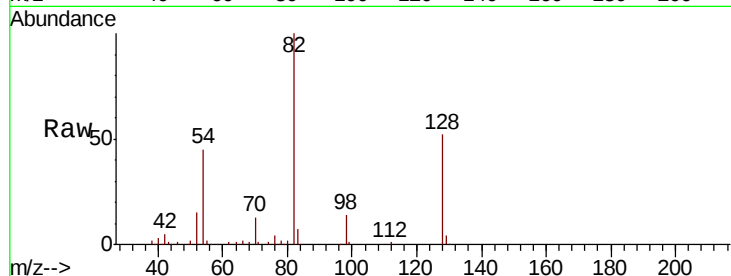
Ion Ratio Lower Upper

70 100

42 40.0 38.8 58.2

101 0.0 9.0 13.6#

130 2.2 20.0 30.0#

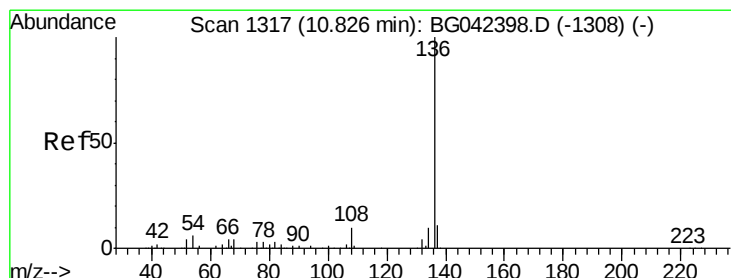
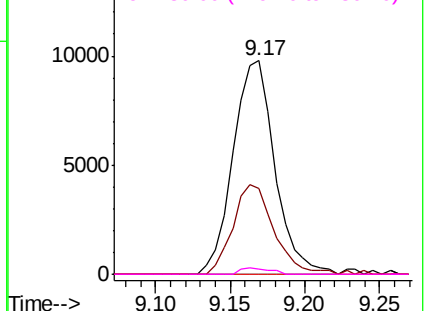


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Tgt Ion: 136 Resp: 156985

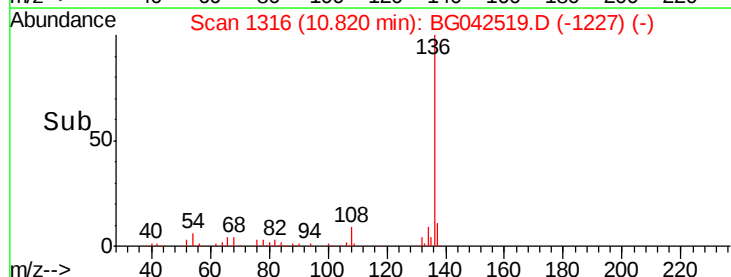
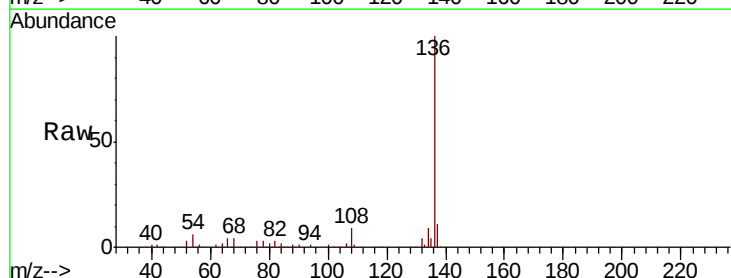
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 6.3 4.9 7.3

68 4.0 3.6 5.4

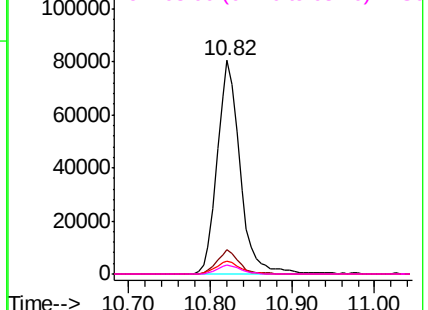


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

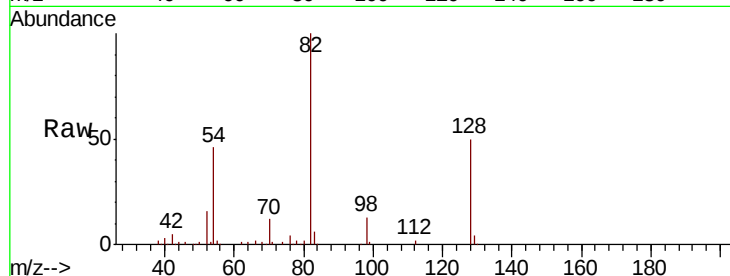




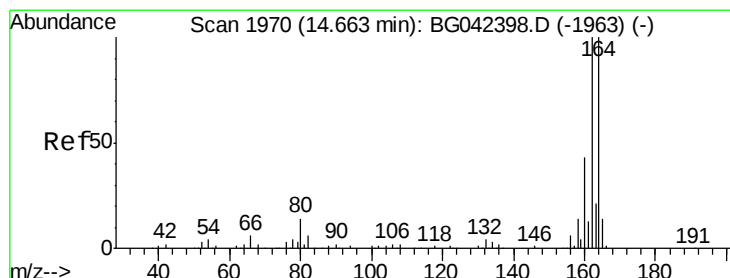
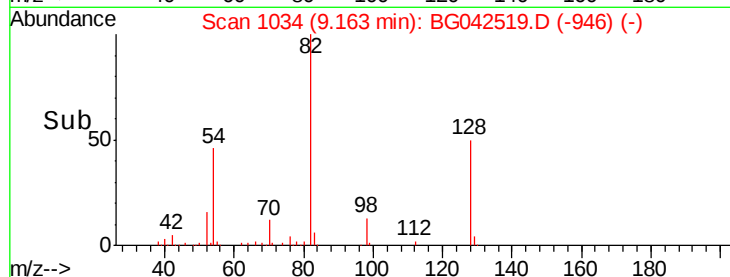
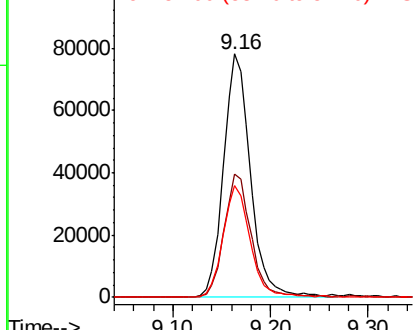
#23
 Nitrobenzene-d5
 Concen: 65.975 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	149877
Ion Ratio	Lower	Upper	
82	100		
128	50.5	40.7	61.1
54	45.9	36.3	54.5

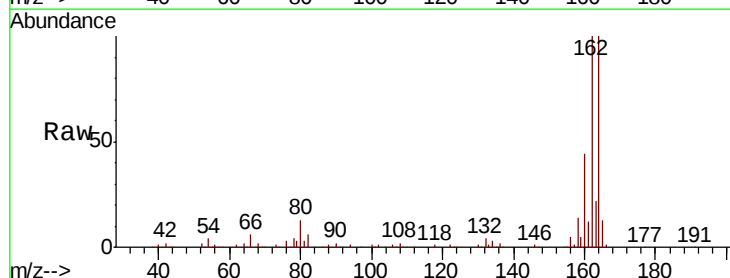


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

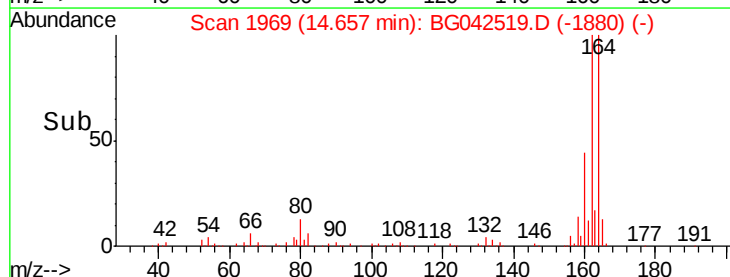
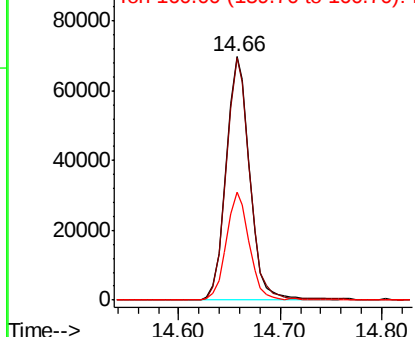


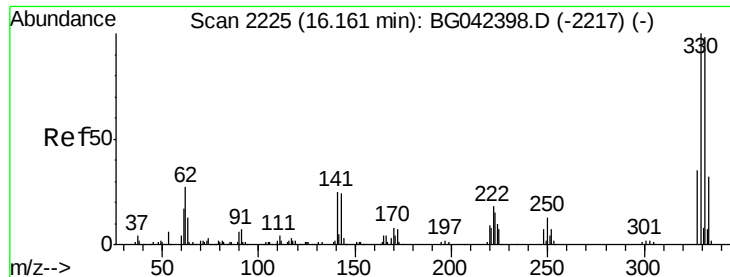
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Tgt Ion	164	Resp	112490
Ion Ratio	Lower	Upper	
164	100		
162	99.7	79.9	119.9
160	44.2	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

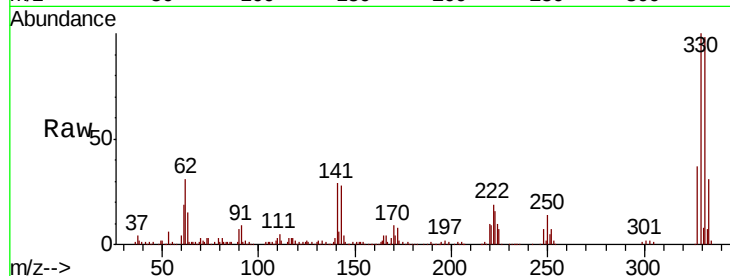




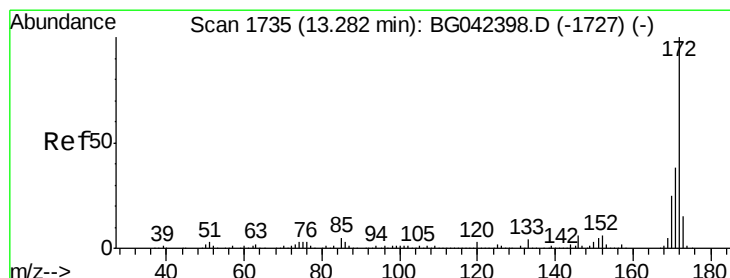
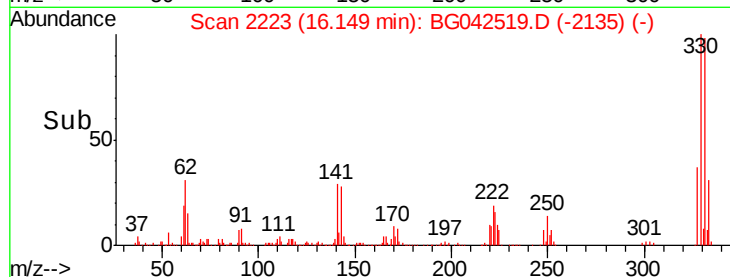
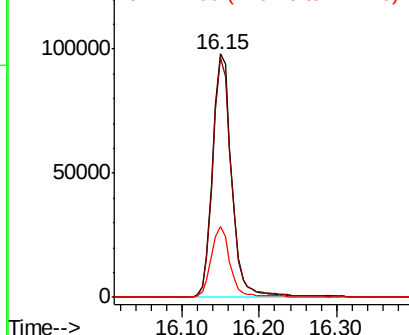
#42
 2,4,6-Tribromophenol
 Concen: 105.225 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	28.2	21.4	32.0

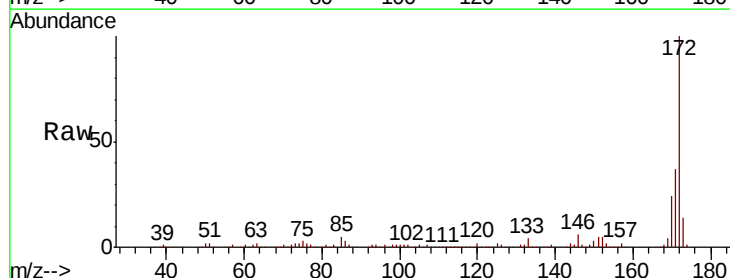


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

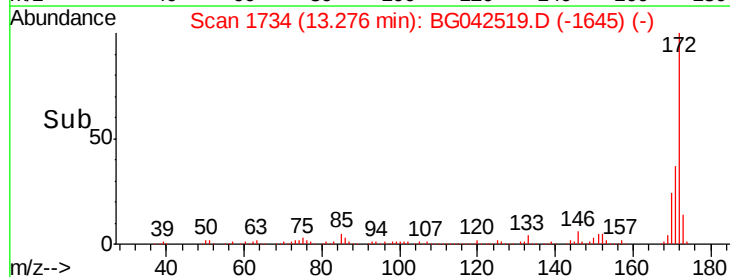
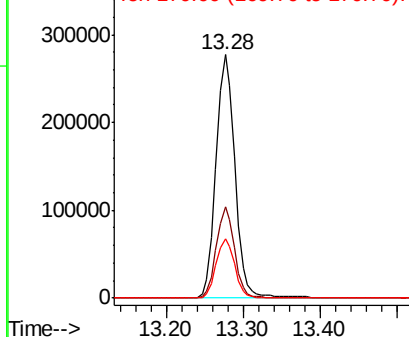


#45
 2-Fluorobiphenyl
 Concen: 70.551 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	24.2	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: 3.689 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Instrument :

BNA_G

ClientSampleId :

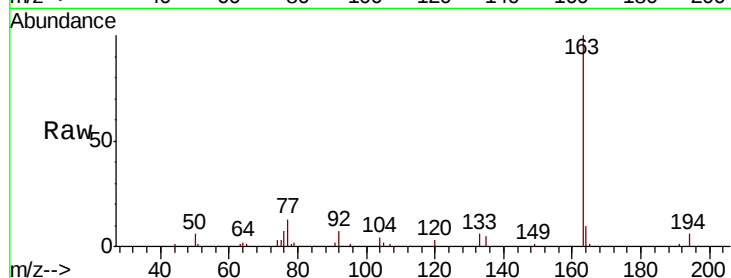
Tot Ion:163 Resp: 29945

Ion Ratio Lower Upper

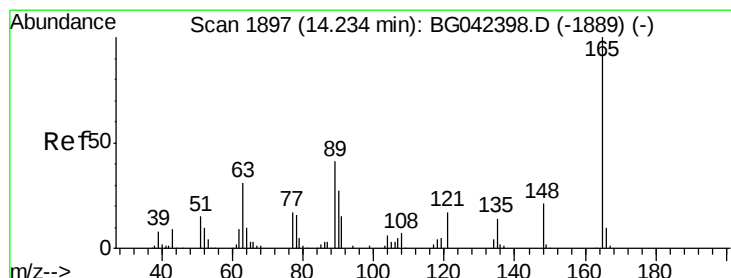
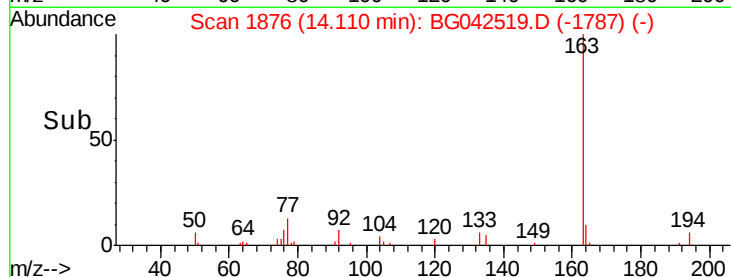
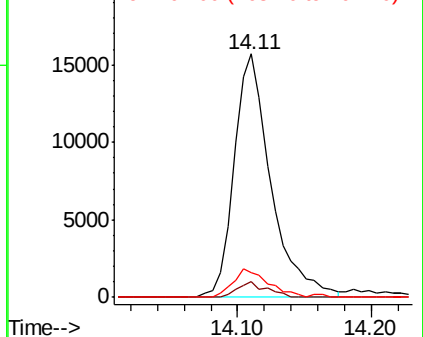
163 100

194 6.4 4.2 6.2#

164 10.1 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: 8.049 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

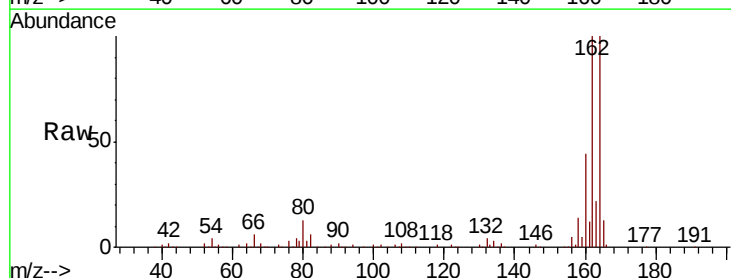
Tgt Ion:165 Resp: 15143

Ion Ratio Lower Upper

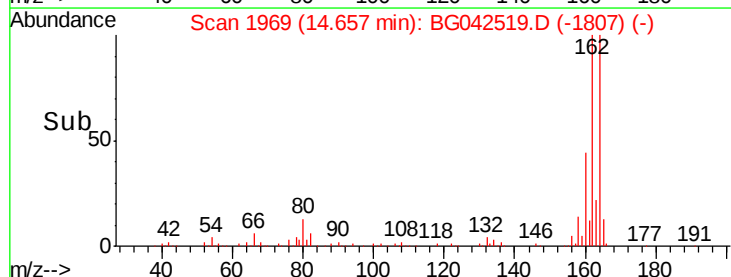
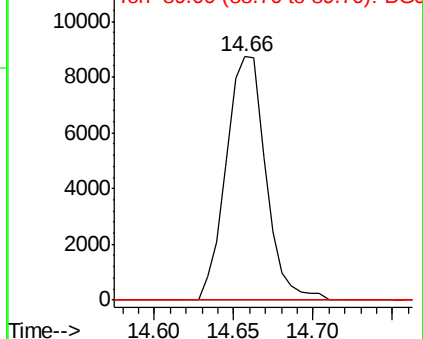
165 100

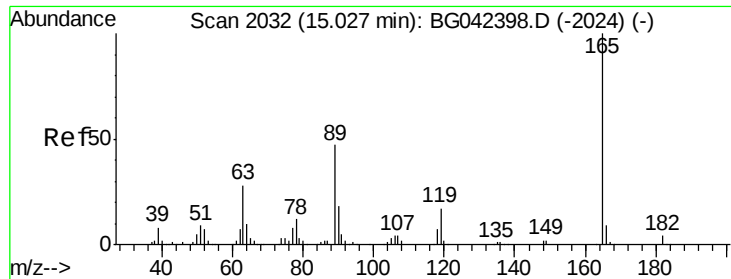
63 0.0 30.6 45.8#

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

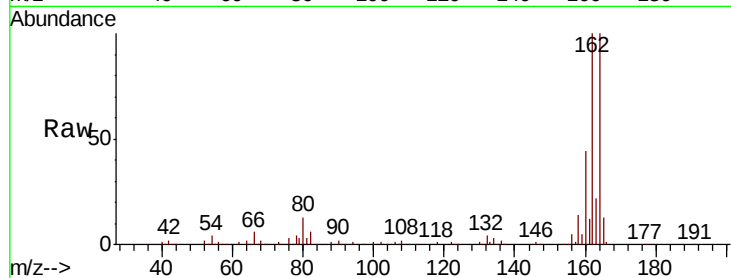




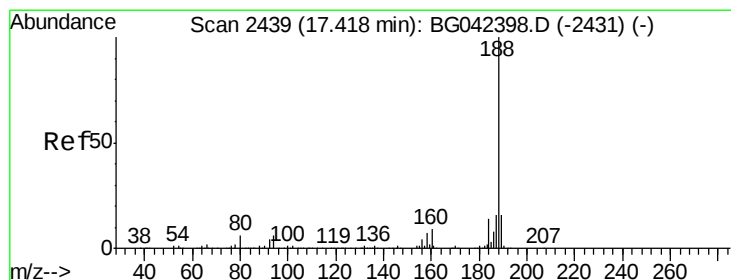
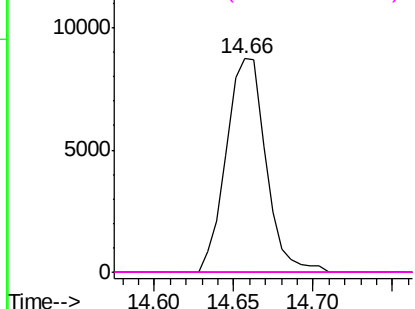
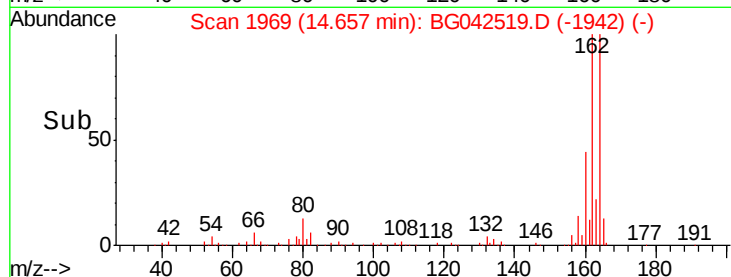
#57
 2,4-Dinitrotoluene
 Concen: 5.621 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Instrument :
 BNA_G
 ClientSampled :

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#

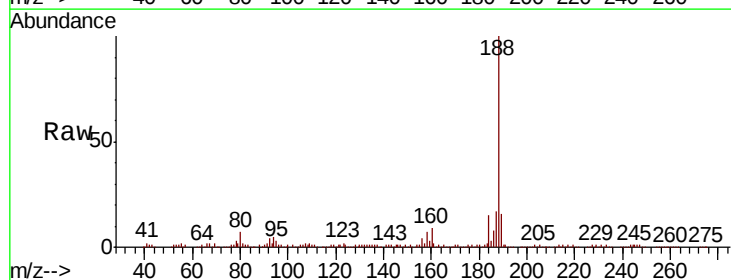


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

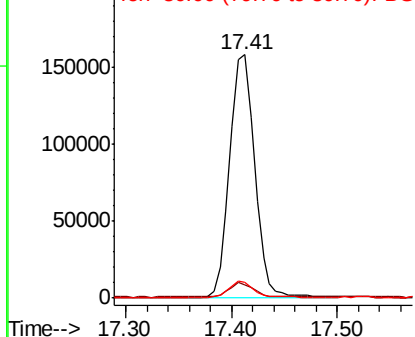
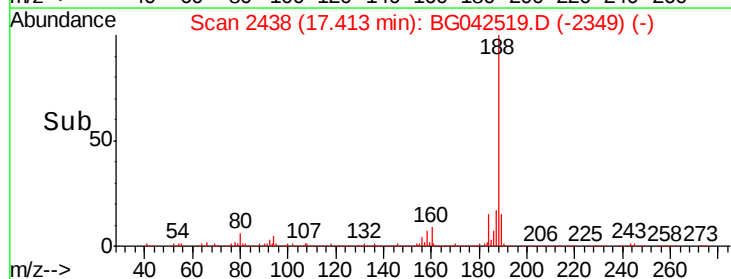


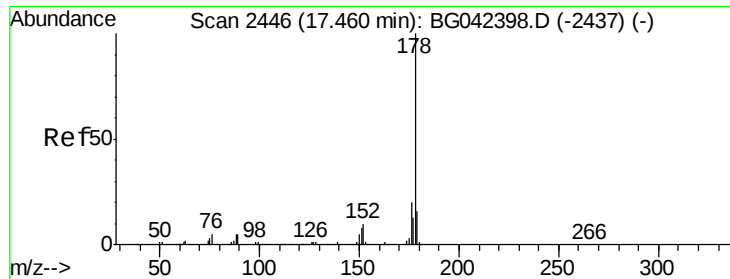
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.5	6.7
80	6.5	4.9	7.3



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

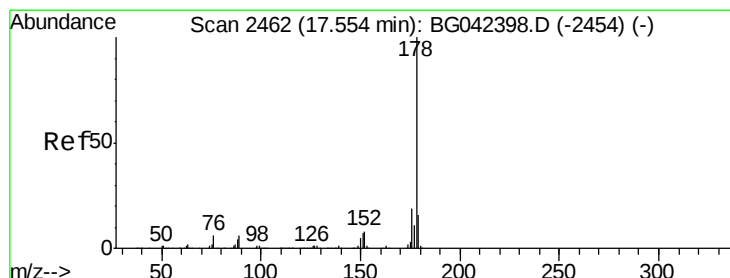
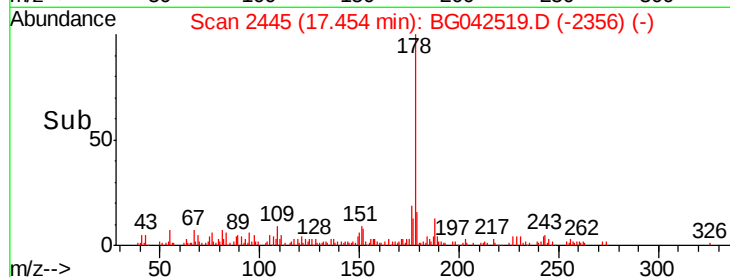
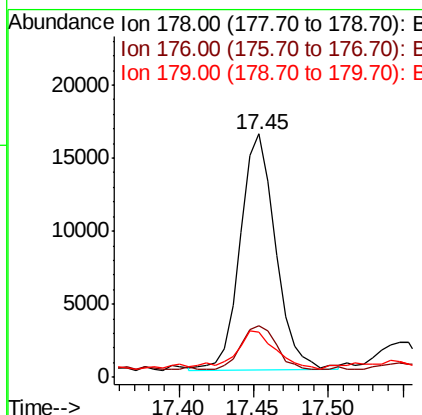
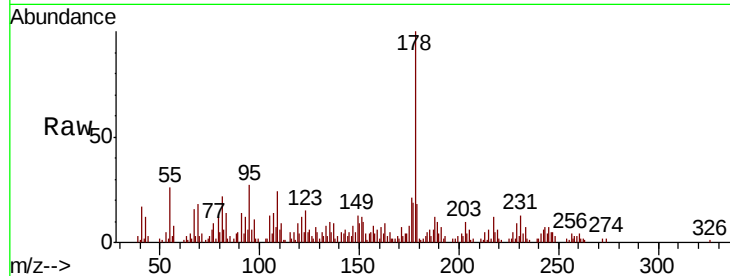




#71
 Phenanthrene
 Concen: 2.052 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

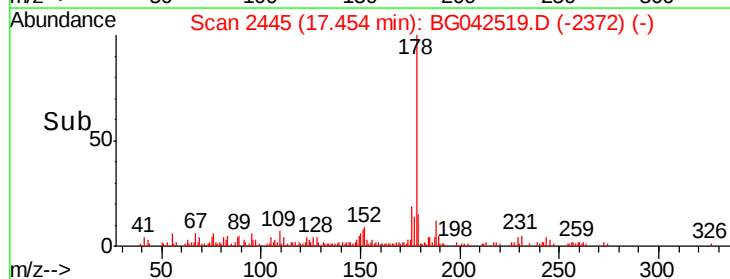
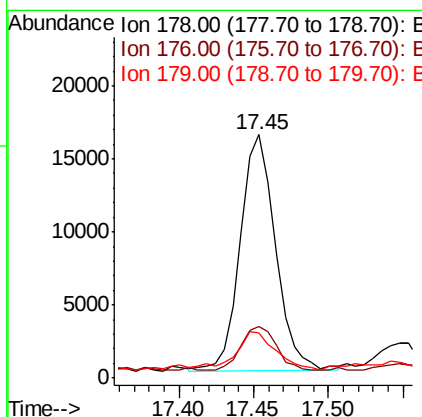
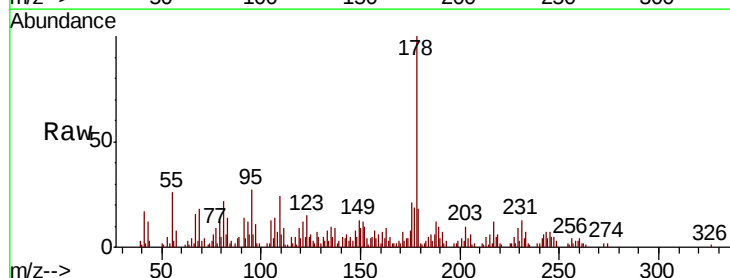
Instrument :
 BNA_G
 ClientSampleId :

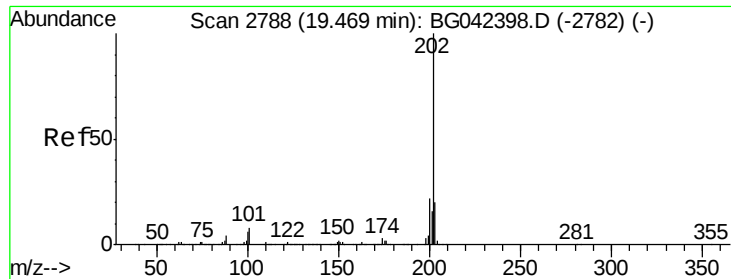
Tot Ion	178	Resp	26465
Ion Ratio	100	Lower	Upper
176	21.5	15.9	23.9
179	18.5	12.7	19.1



#72
 Anthracene
 Concen: 2.054 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.10 min
 Lab File: BG042519.D
 Acq: 28 Aug 2019 00:38

Tgt Ion	178	Resp	26447
Ion Ratio	100	Lower	Upper
176	21.5	15.5	23.3
179	18.5	12.9	19.3





#75

Fluoranthene

Concen: 4.607 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Instrument :

BNA_G

ClientSampleId :

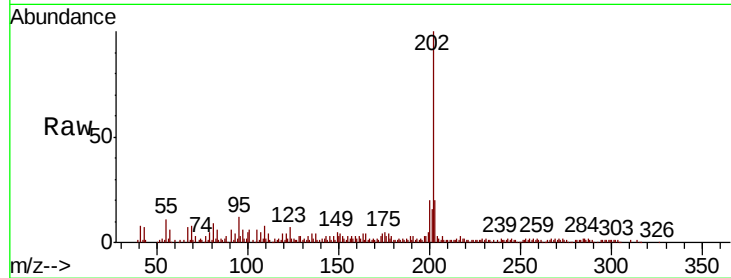
Tot Ion:202 Resp: 72520

Ion Ratio Lower Upper

202 100

101 6.3 0.0 28.3

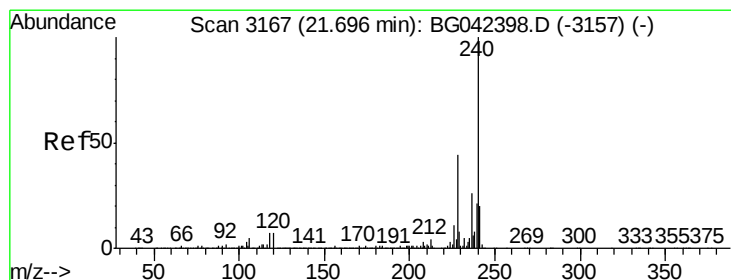
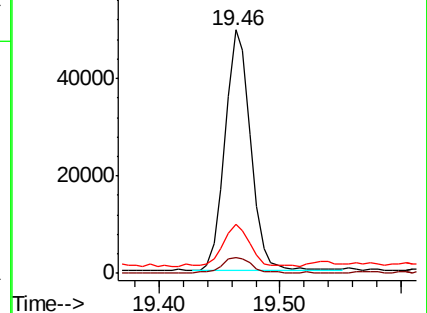
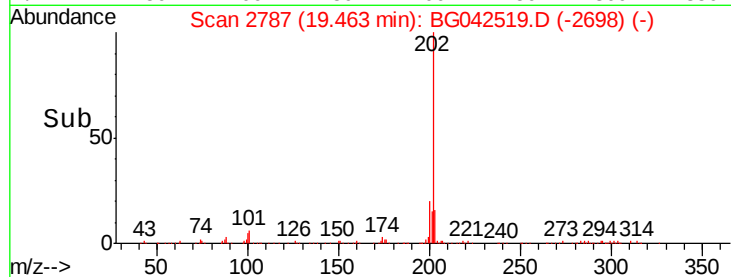
203 19.9 0.0 39.6



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: BG042519.D

Acq: 28 Aug 2019 00:38

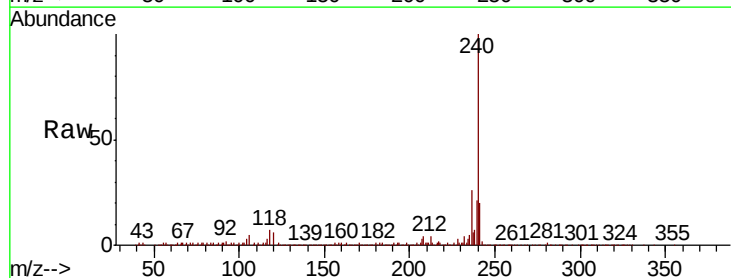
Tgt Ion:240 Resp: 324742

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

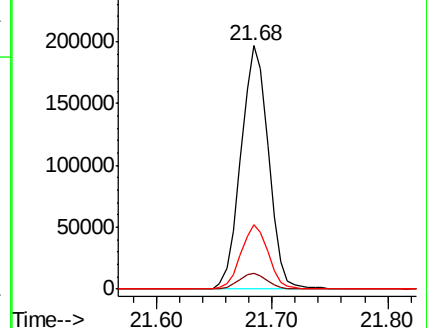
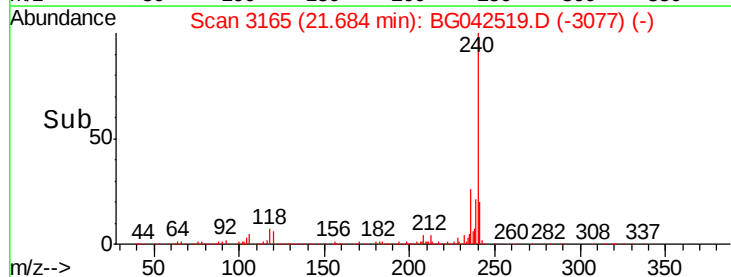
236 26.4 21.0 31.4

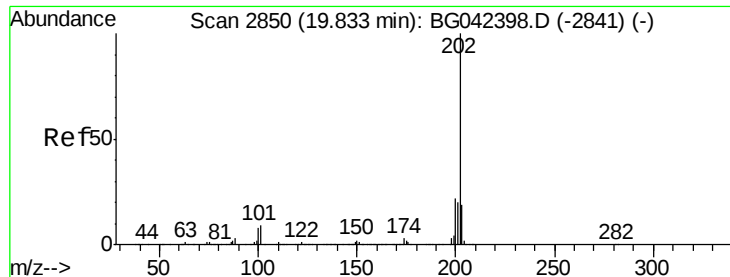


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

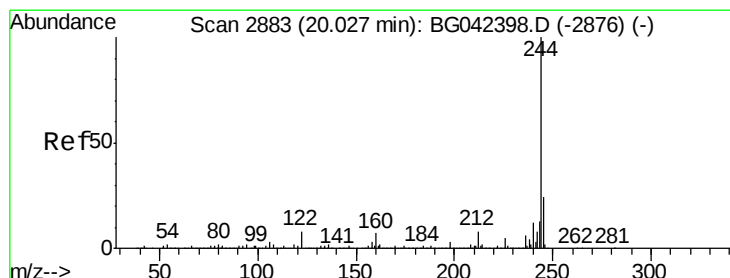
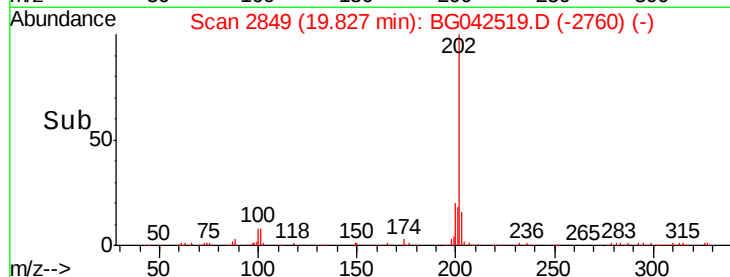
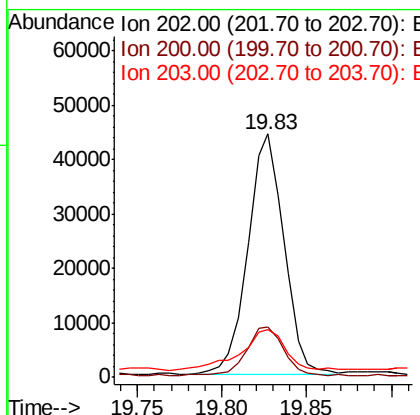
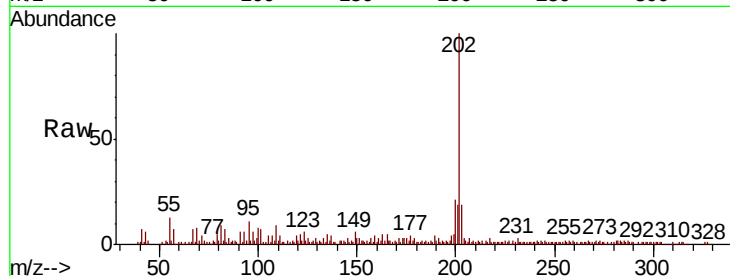




#78
Pvrene
Concen: 3.310 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

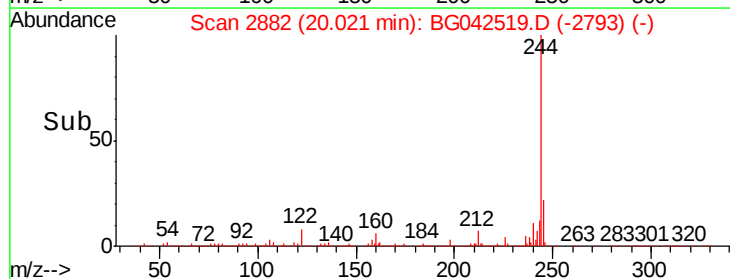
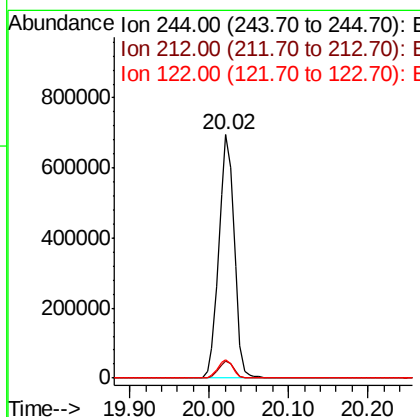
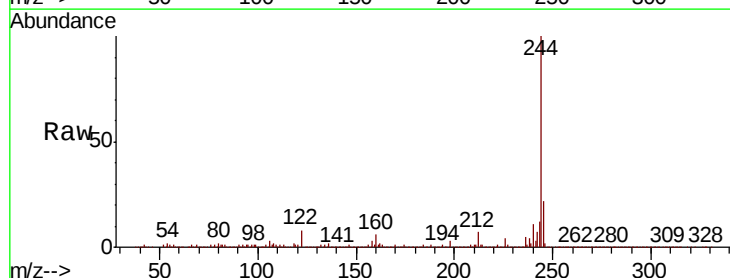
Instrument :
BNA_G
ClientSampleId :

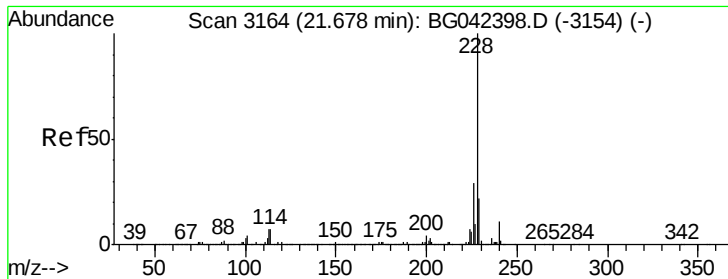
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	19.5	15.5	23.3



#79
Terphenyl-d14
Concen: 62.237 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	7.7	6.7	10.1





#81

Benzo(a)anthracene

Concen: 2.054 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042519.D

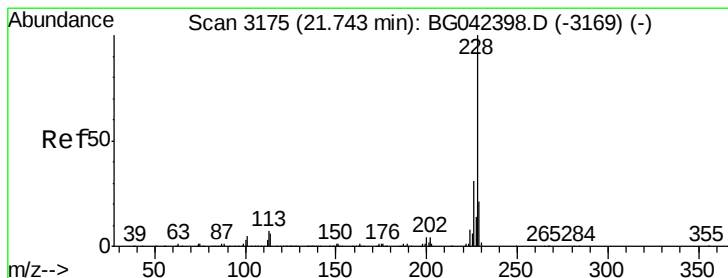
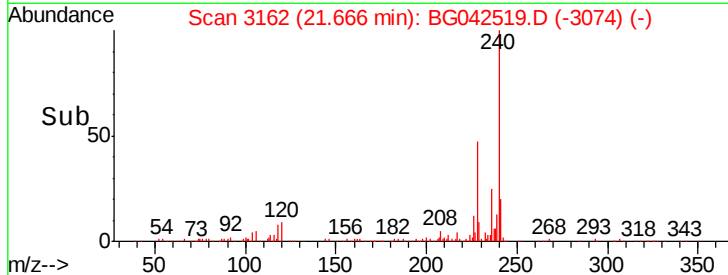
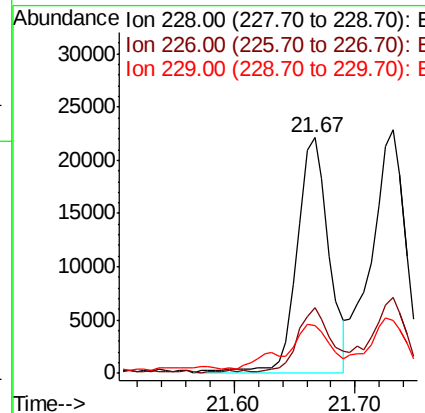
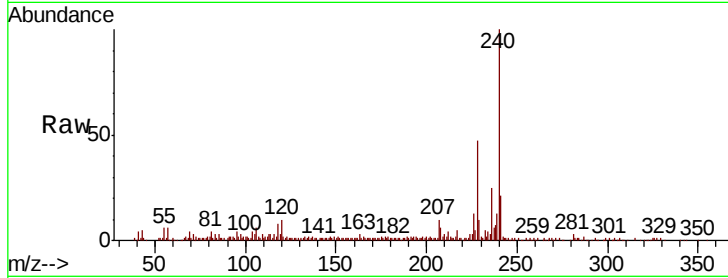
Acq: 28 Aug 2019 00:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:228	Resp:	40577
Ion Ratio	Lower	Upper
228	100	
226	27.7	23.4 35.2
229	20.3	17.4 26.2



#83

Chrysene

Concen: 2.278 ng

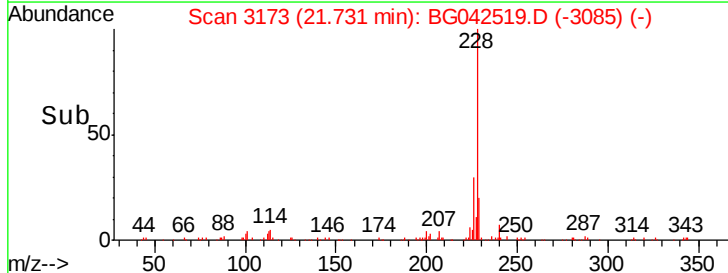
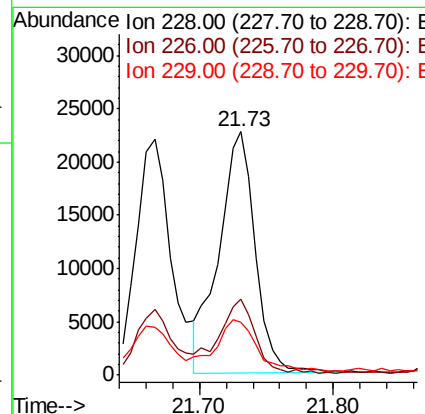
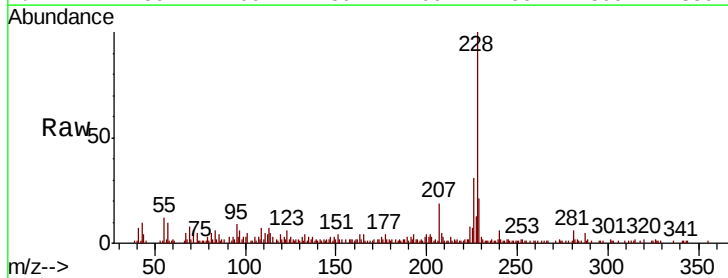
RT: 21.73 min Scan# 3173

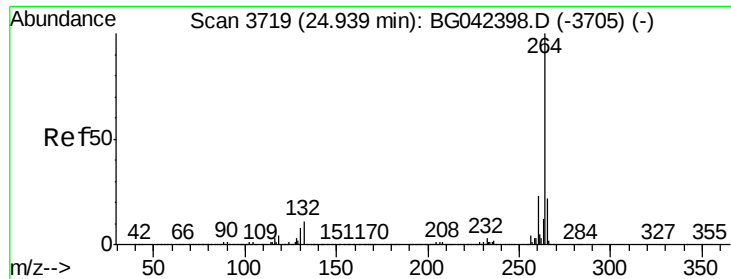
Delta R.T. -0.01 min

Lab File: BG042519.D

Acq: 28 Aug 2019 00:38

Tgt Ion:228	Resp:	43394
Ion Ratio	Lower	Upper
228	100	
226	31.2	24.9 37.3
229	21.5	16.9 25.3

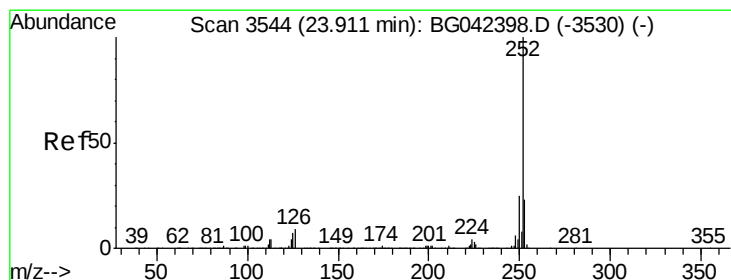
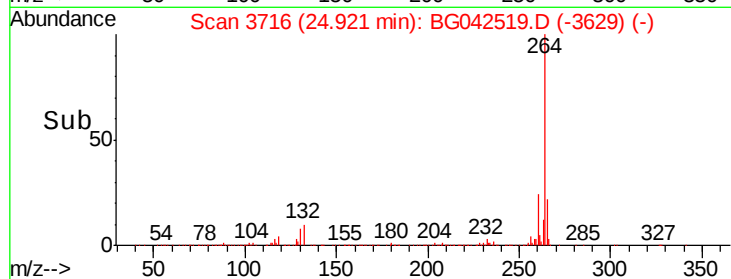
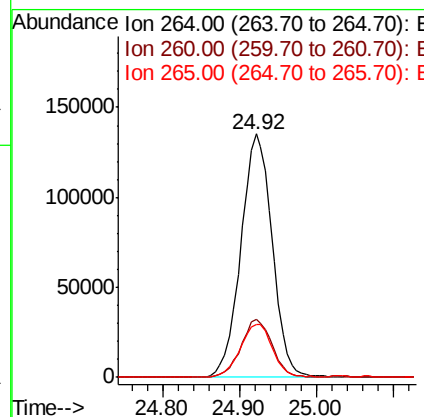
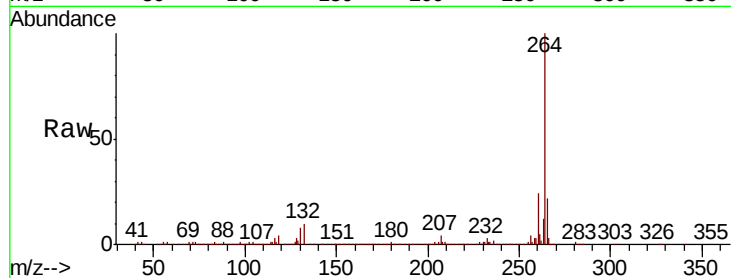




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

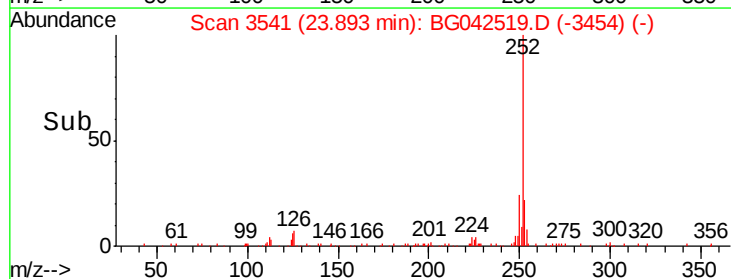
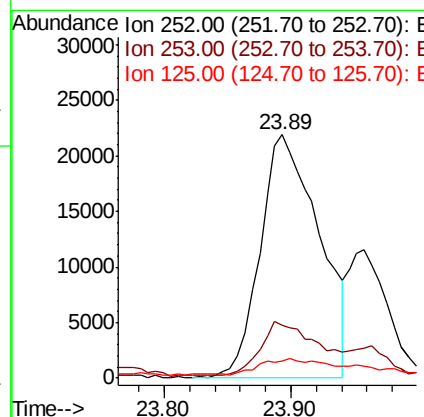
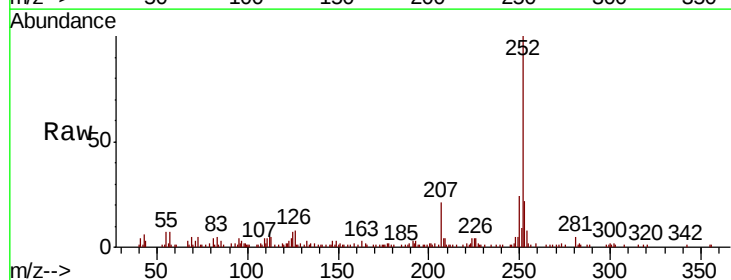
Instrument :
BNA_G
ClientSampleId :

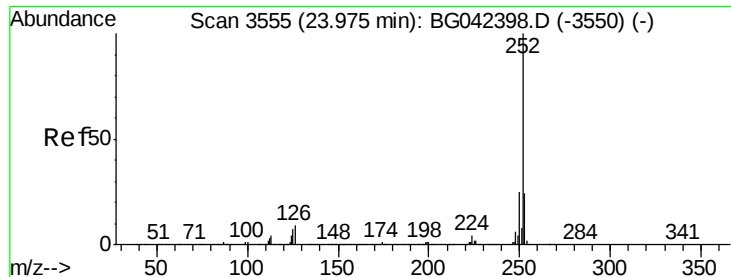
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.8	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 3.343 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	27.8
125	7.1	5.6	8.4

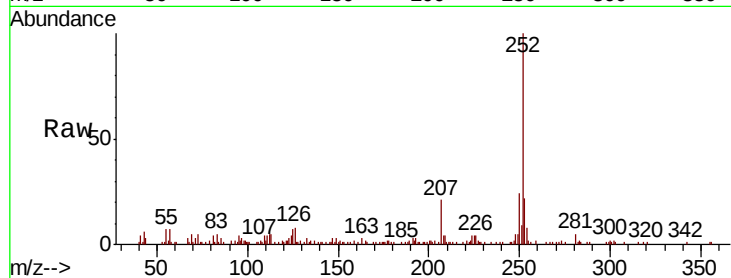




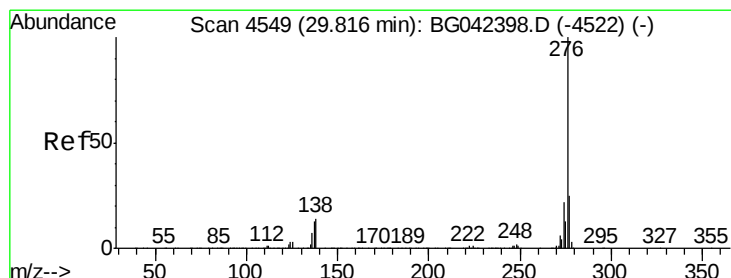
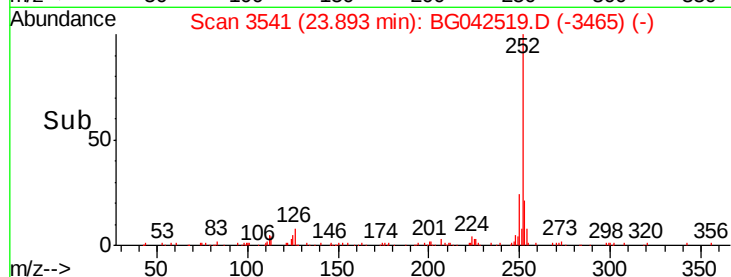
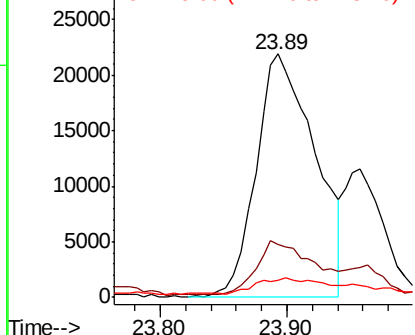
#89
Benzo(k)fluoranthene
Concen: 3.478 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 70806
Ion Ratio Lower Upper
252 100
253 21.6 18.6 27.8
125 7.1 5.8 8.6

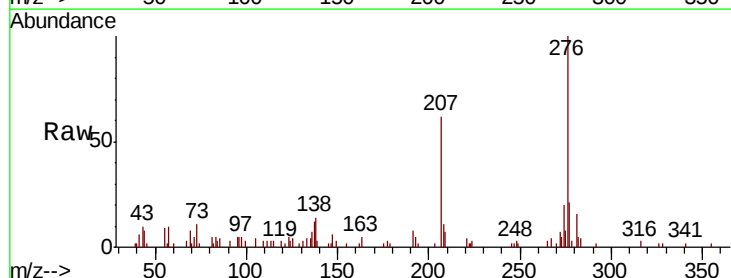


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.011 ng
RT: 29.76 min Scan# 4539
Delta R.T. -0.06 min
Lab File: BG042519.D
Acq: 28 Aug 2019 00:38

Tgt Ion:276 Resp: 40930
Ion Ratio Lower Upper
276 100
277 20.6 19.8 29.8
138 13.8 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

