

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042697.D
 Acq On : 3 Sep 2019 20:24
 Operator : HP/JU
 Sample : K4602-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:08:00 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	7.99	152	34561	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	135473	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	105295	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	232034	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	257404	20.00	ng	-0.01
87) Perylene-d12	24.92	264	309640	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	141369	82.84	ng	0.00
7) Phenol-d6	7.16	99	191618	83.13	ng	-0.01
23) Nitrobenzene-d5	9.16	82	112277	57.27	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	132404	88.47	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	315627	50.70	ng	0.00
79) Terphenyl-d14	20.02	244	549684	46.17	ng	0.00

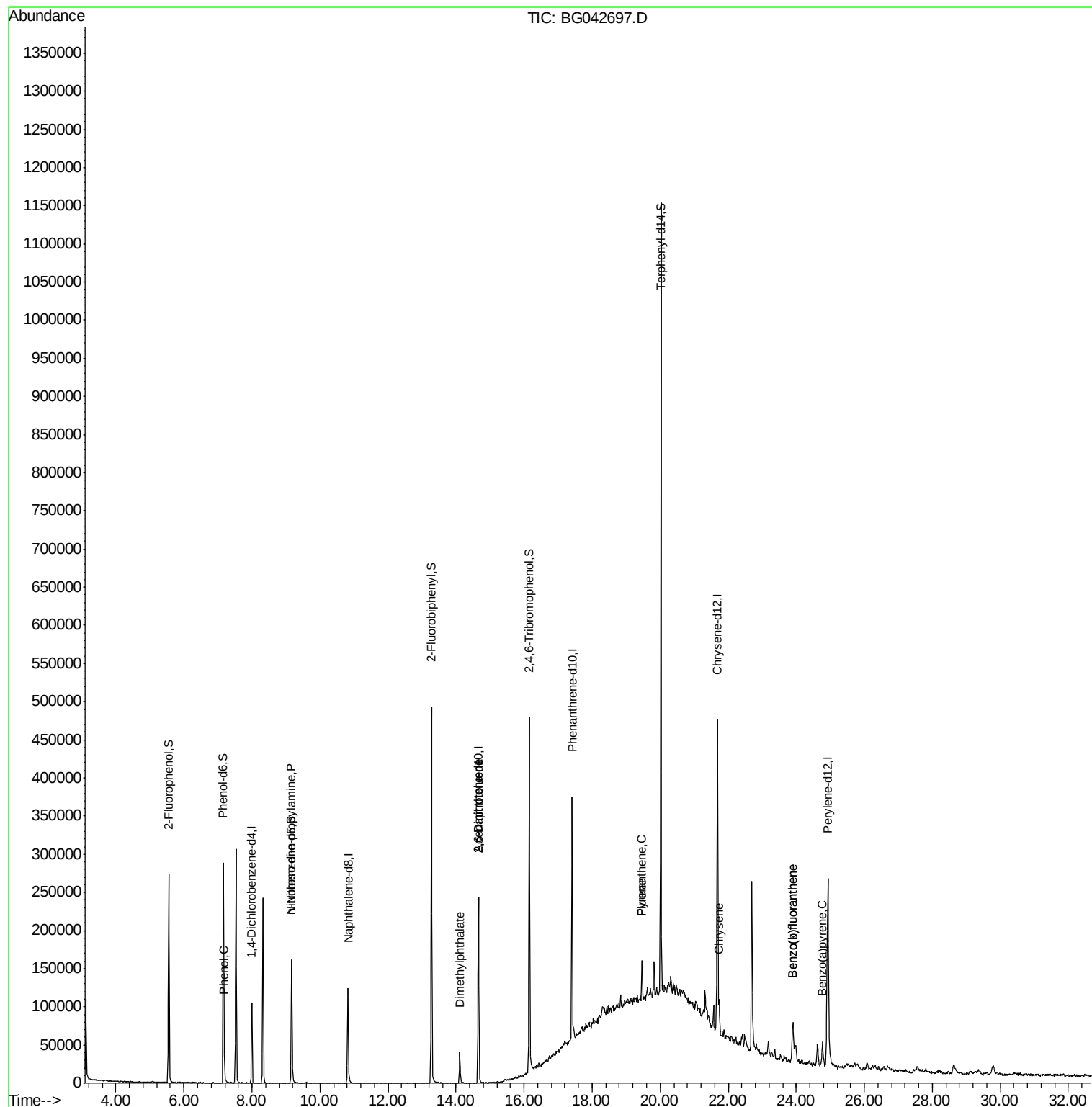
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	9747	4.159	ng	88
19) n-Nitroso-di-n-propylamine	9.16	70	14579	9.763	ng	# 76
50) Dimethylphthalate	14.10	163	43334	5.704	ng	98
51) 2,6-Dinitrotoluene	14.66	165	13607	7.727	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13607	5.396	ng	# 38
75) Fluoranthene	19.46	202	37631	2.675	ng	93
78) Pyrene	19.46	202	37631	2.385	ng	95
83) Chrysene	21.73	228	35475	2.349	ng	94
88) Benzo(b)fluoranthene	23.90	252	59839	3.515	ng	99
89) Benzo(k)fluoranthene	23.90	252	59839	3.657	ng	99
90) Benzo(a)pyrene	24.77	252	35283	2.184	ng	98

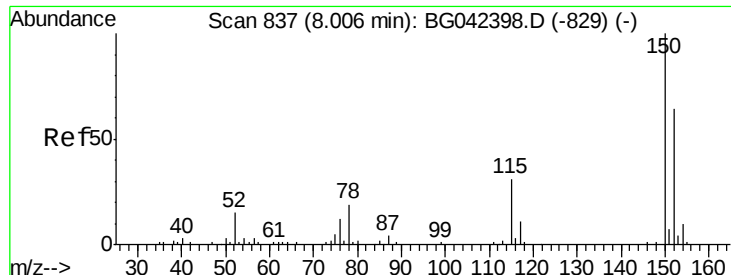
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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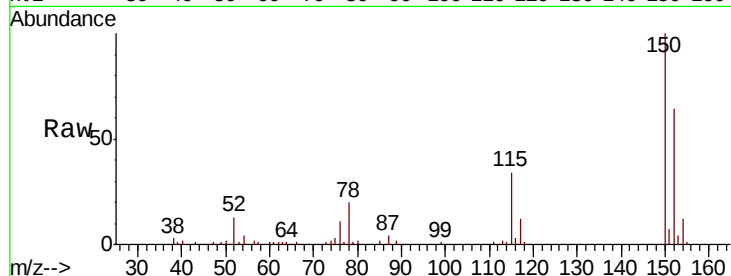


#1

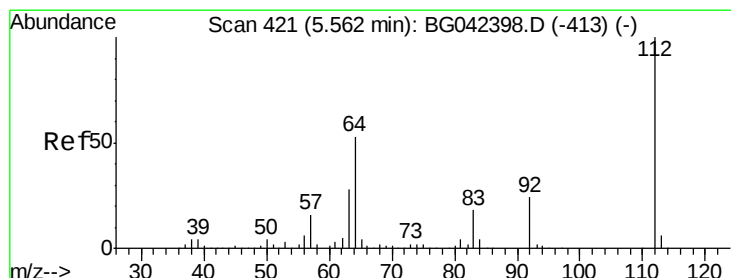
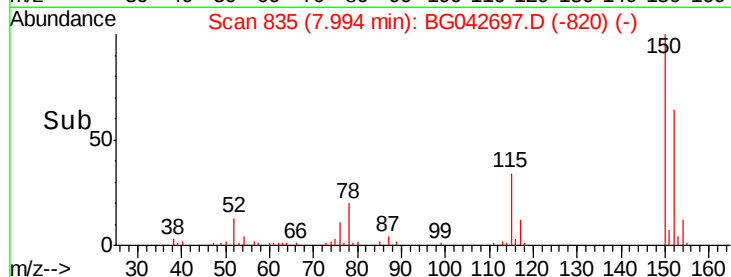
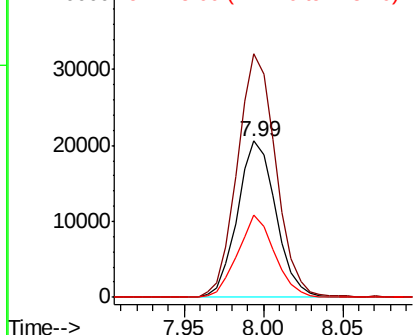
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34561
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.0
115 52.3 38.5 57.7



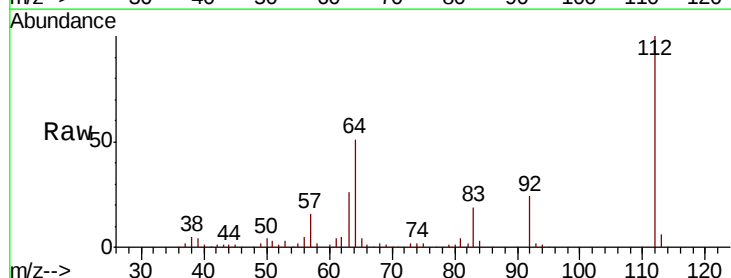
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



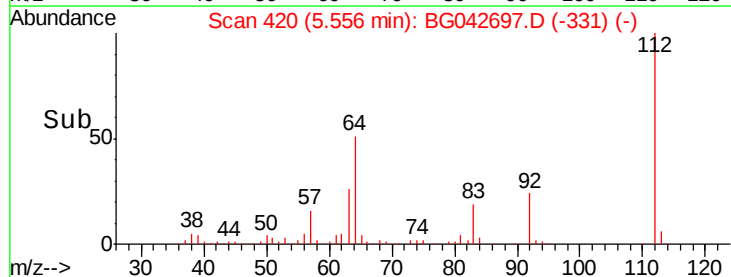
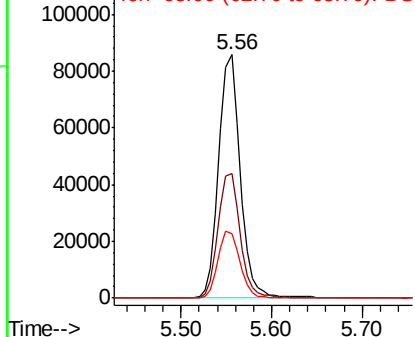
#5

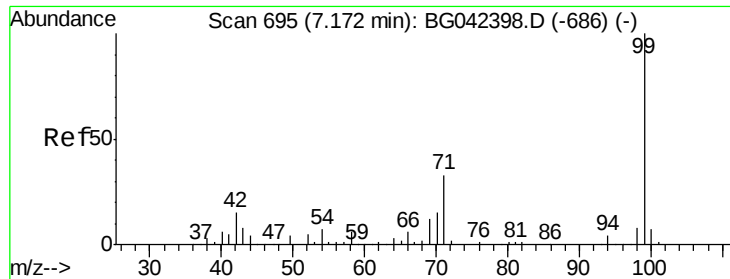
2-Fluorophenol
Concen: 82.843 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Tgt Ion:112 Resp: 141369
Ion Ratio Lower Upper
112 100
64 51.2 42.8 64.2
63 26.3 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: 83.129 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

Instrument :

BNA_G

ClientSampled :

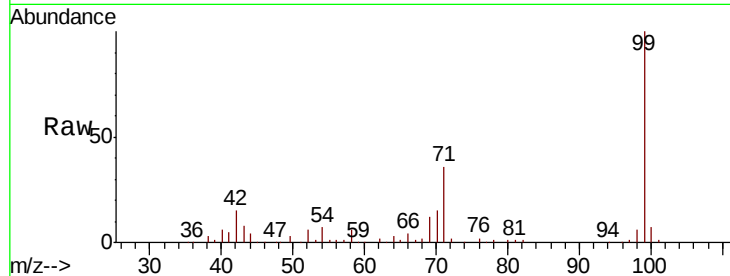
Tot Ion: 99 Resp: 191618

Ion Ratio Lower Upper

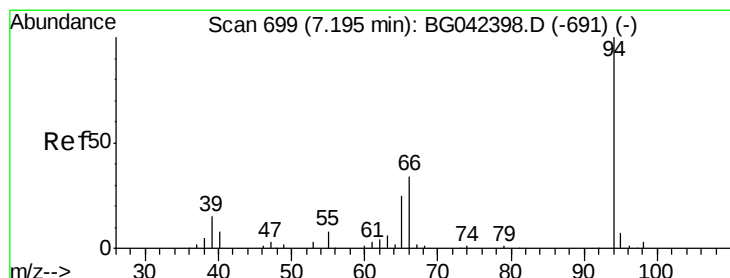
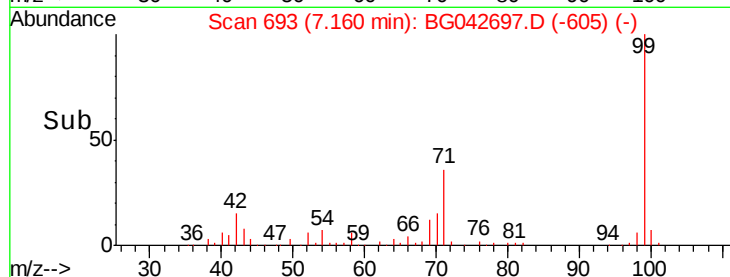
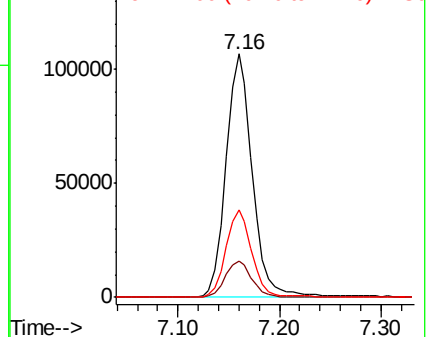
99 100

42 15.0 12.0 18.0

71 36.0 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: 4.159 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

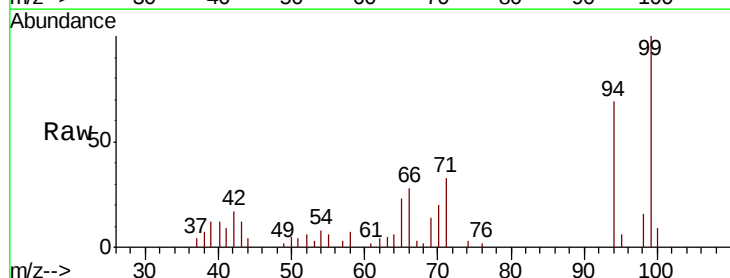
Tgt Ion: 94 Resp: 9747

Ion Ratio Lower Upper

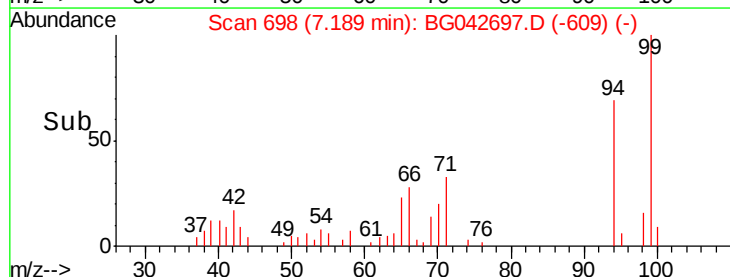
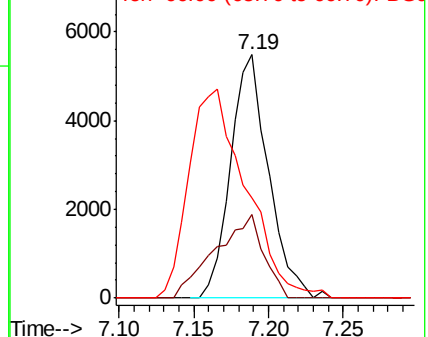
94 100

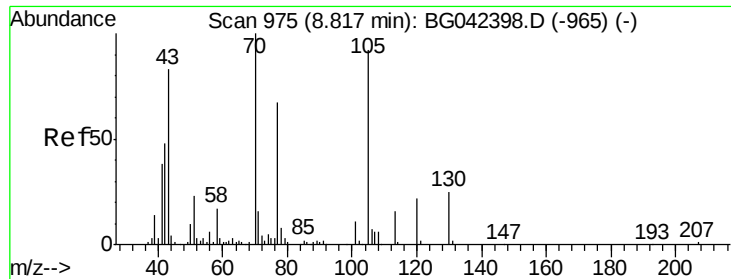
65 34.2 5.6 45.6

66 41.1 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

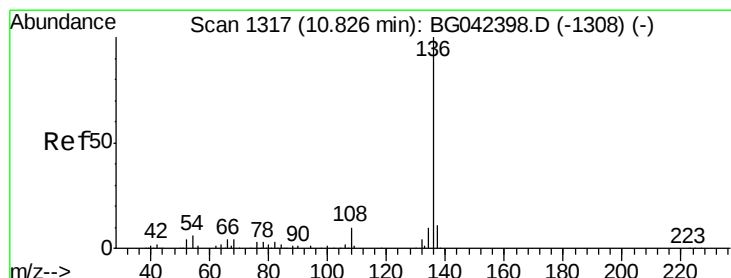
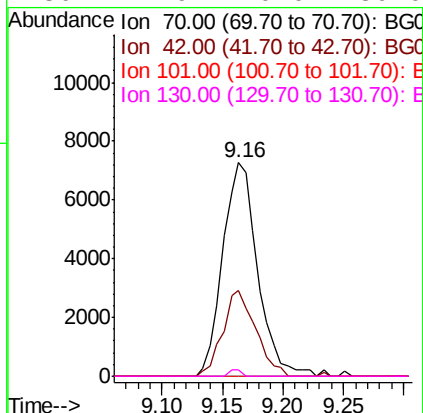
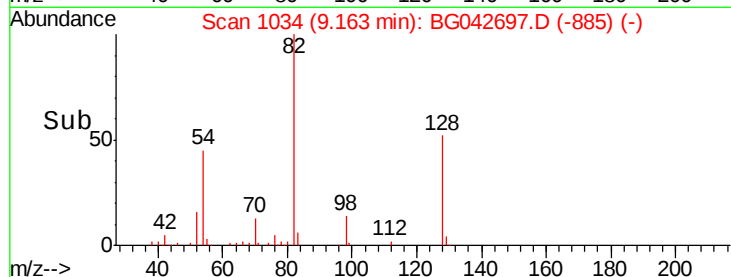
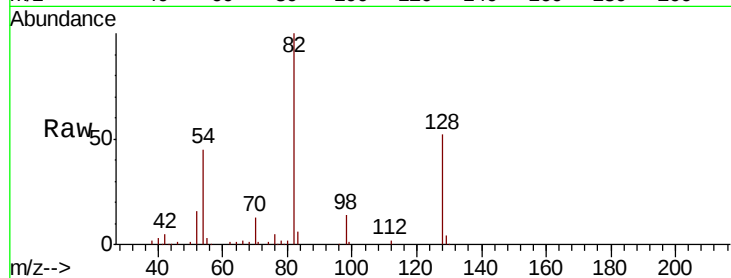




#19
n-Nitroso-di-n-propylamine
Concen: 9.763 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

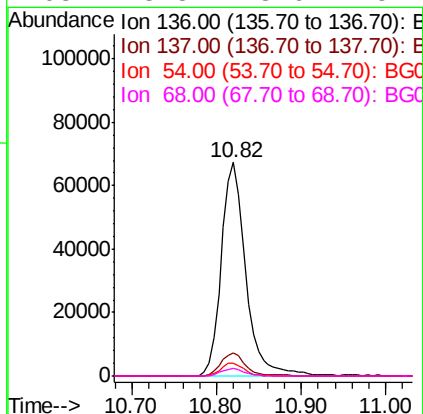
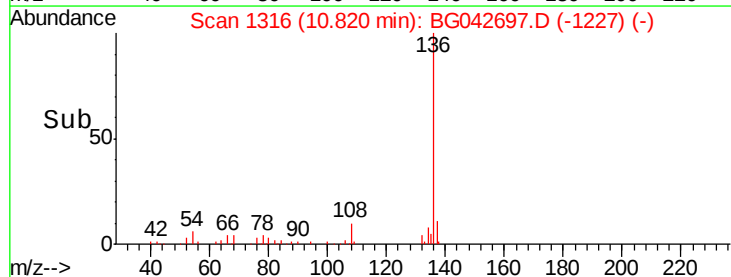
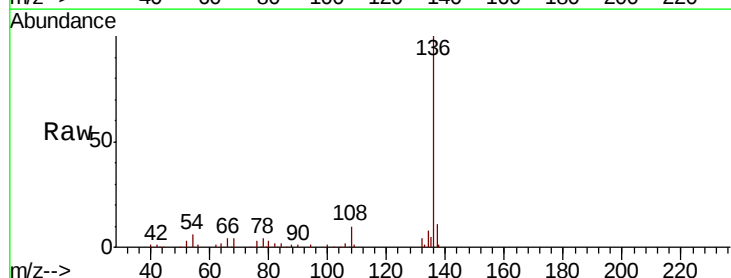
Instrument :
BNA_G
ClientSampleId :

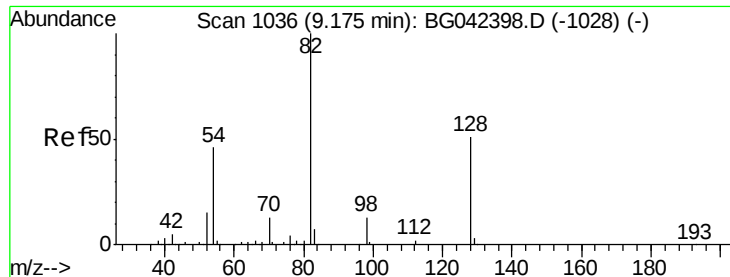
Tot Ion: 70 Resp: 14579
Ion Ratio Lower Upper
70 100
42 40.3 38.8 58.2
101 0.0 9.0 13.6#
130 2.9 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Tgt Ion: 136 Resp: 135473
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.3 4.9 7.3
68 3.8 3.6 5.4

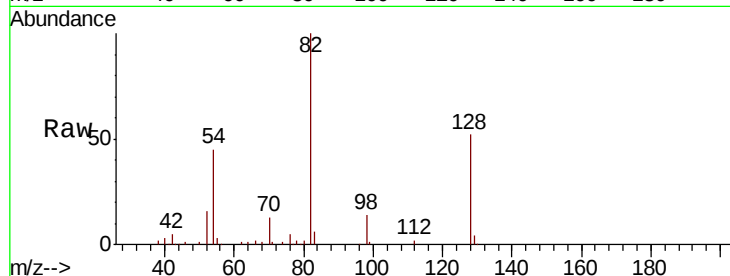




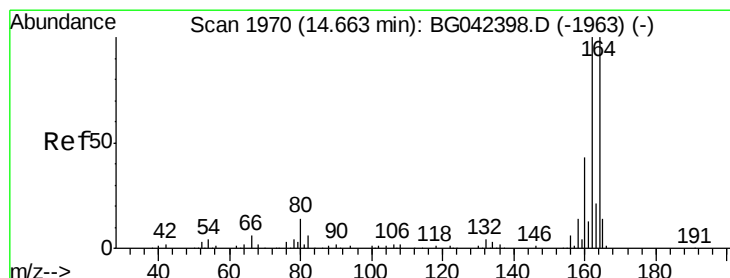
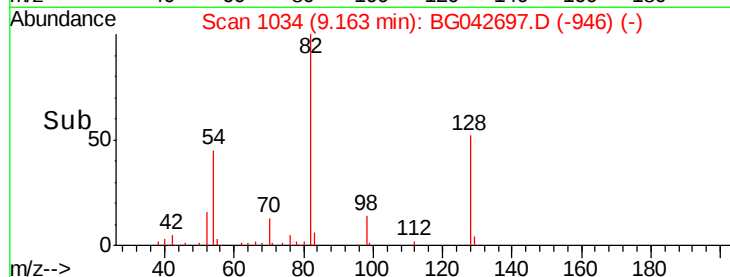
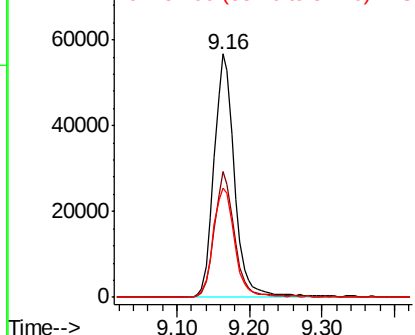
#23
Nitrobenzene-d5
Concen: 57.272 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 112277
Ion Ratio Lower Upper
82 100
128 51.6 40.7 61.1
54 44.7 36.3 54.5

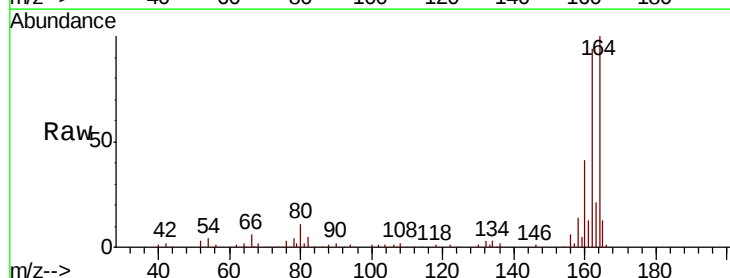


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

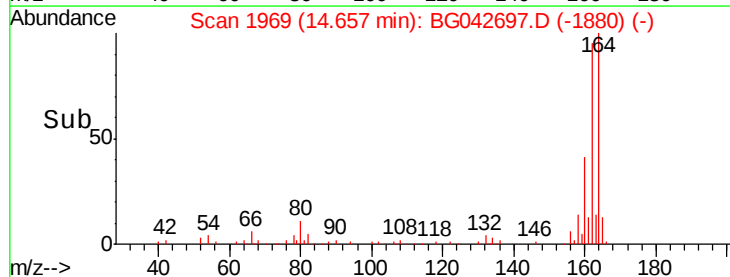
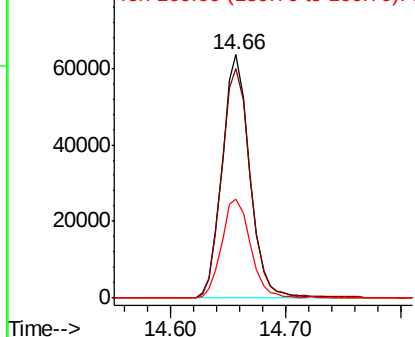


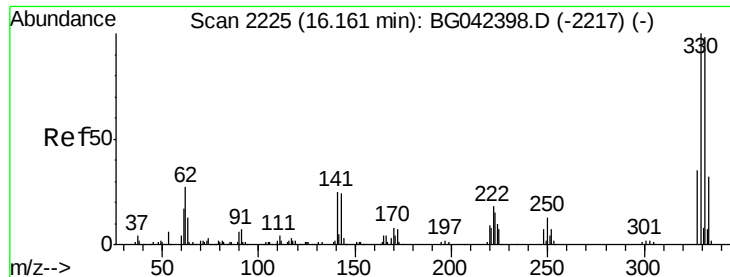
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Tgt Ion:164 Resp: 105295
Ion Ratio Lower Upper
164 100
162 94.5 79.9 119.9
160 40.9 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

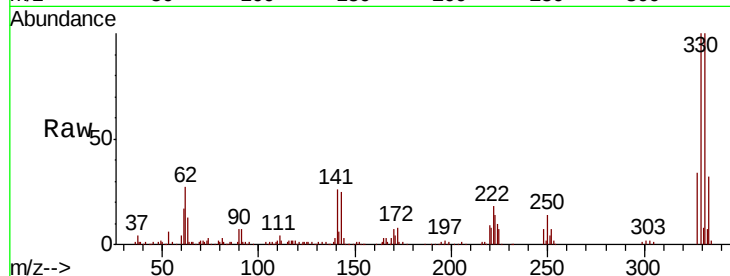




#42
 2,4,6-Tribromophenol
 Concen: 88.470 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042697.D
 Acq: 3 Sep 2019 20:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	26.3	21.4	32.0

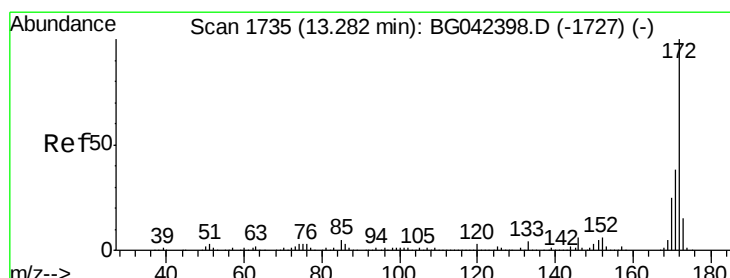
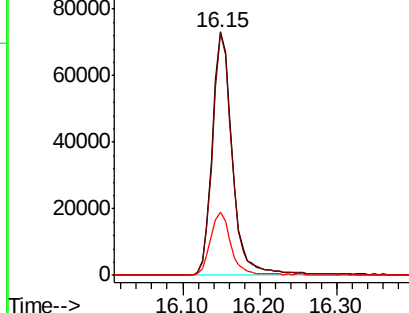
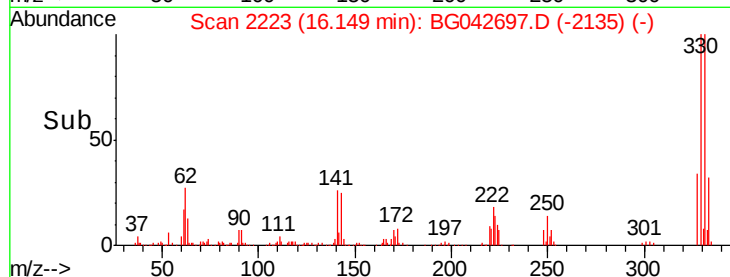


Abundance

Ion 329.80 (329.50 to 330.50): E

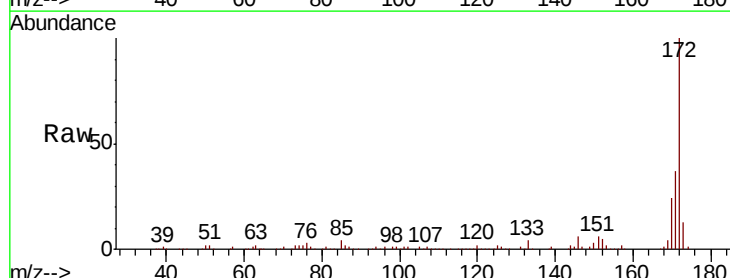
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 50.697 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042697.D
 Acq: 3 Sep 2019 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	23.6	20.2	30.2

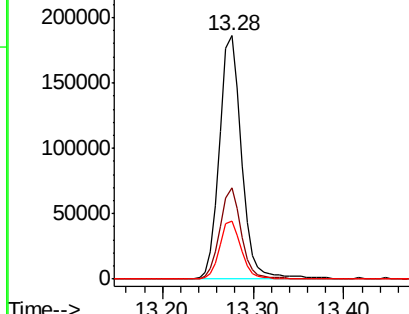
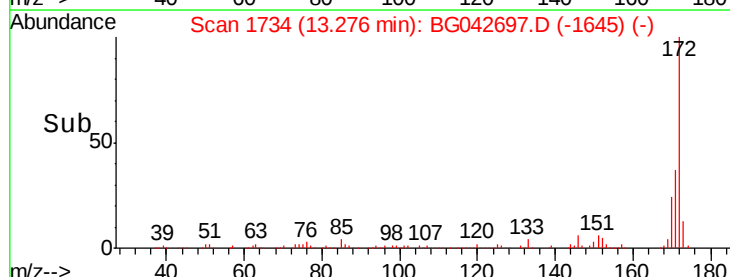


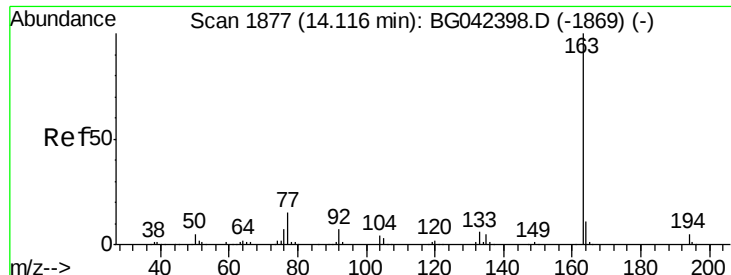
Abundance

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: 5.704 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

Instrument :

BNA_G

ClientSampled :

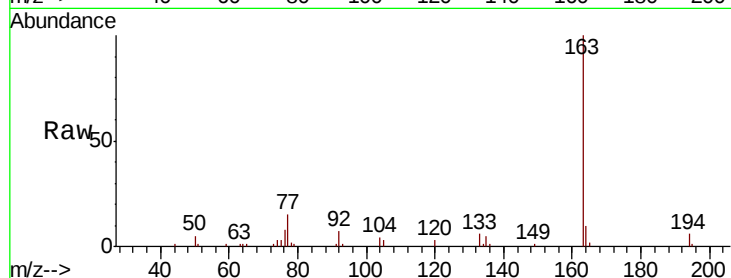
Tot Ion:163 Resp: 43334

Ion Ratio Lower Upper

163 100

194 6.0 4.2 6.2

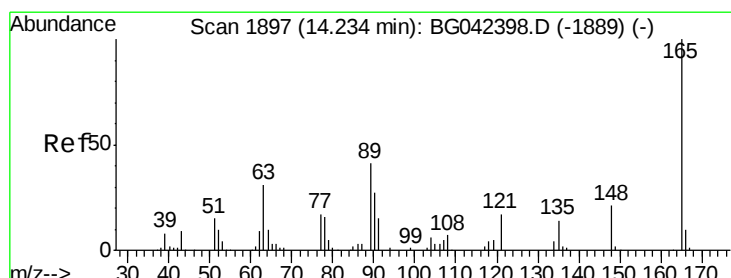
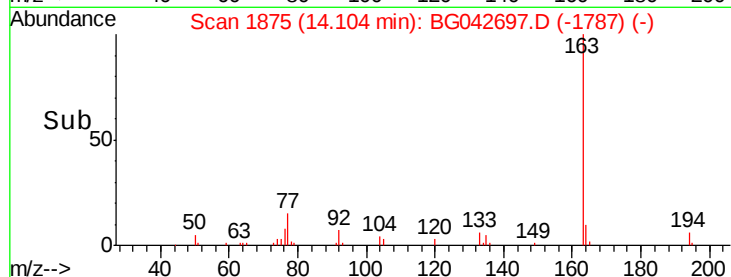
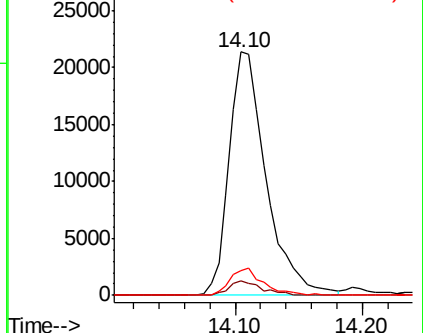
164 10.1 8.8 13.2



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: 7.727 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

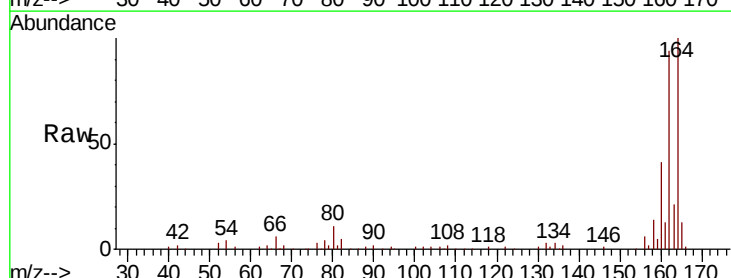
Tgt Ion:165 Resp: 13607

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

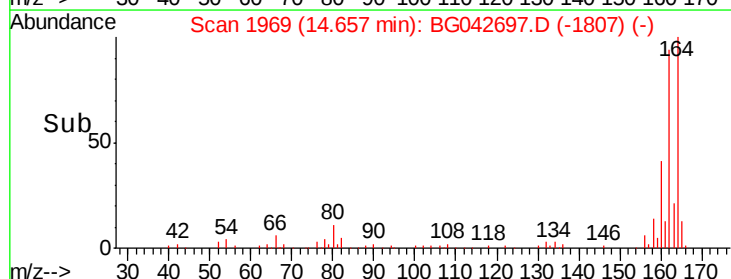
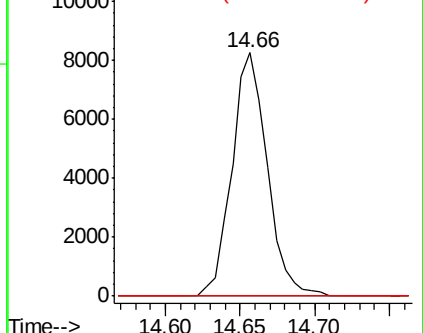
89 0.0 32.6 49.0#

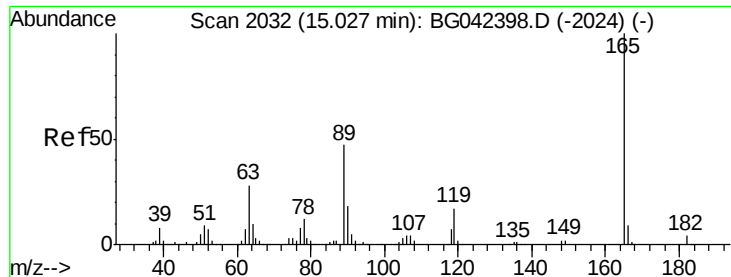


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

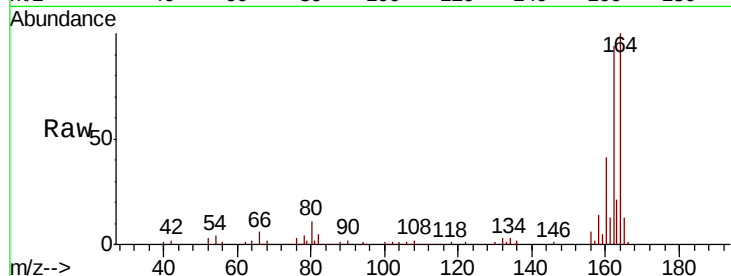




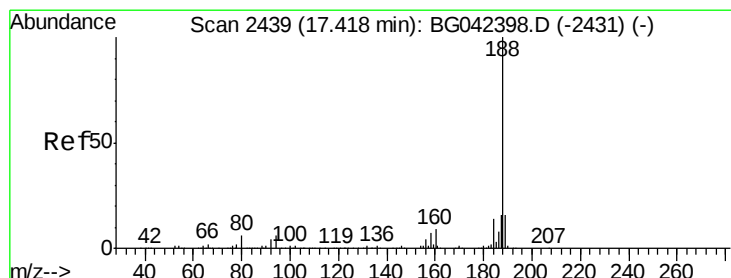
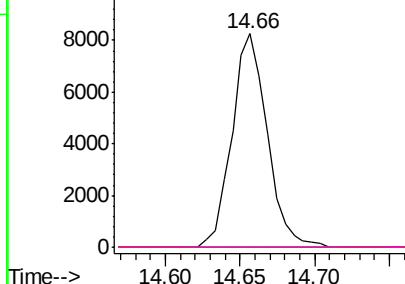
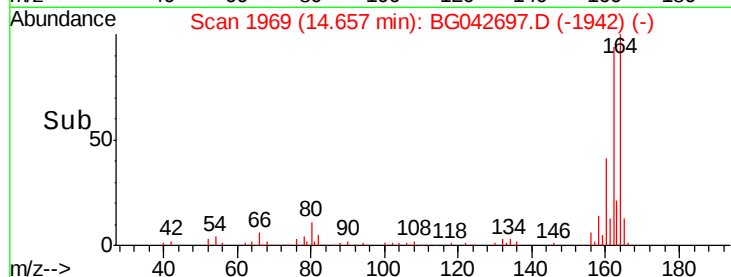
#57
 2,4-Dinitrotoluene
 Concen: 5.396 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042697.D
 Acq: 3 Sep 2019 20:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	13607
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#

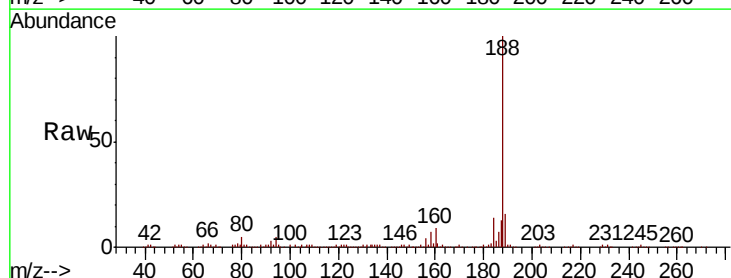


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

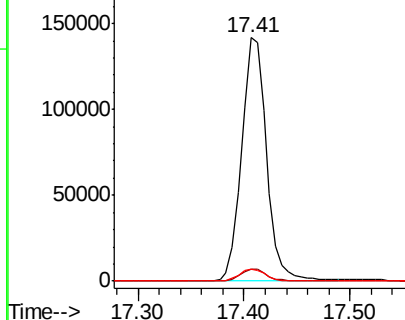
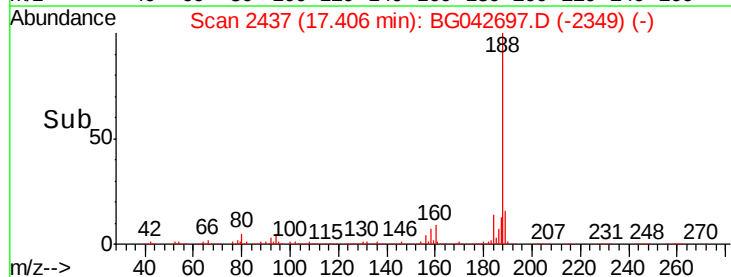


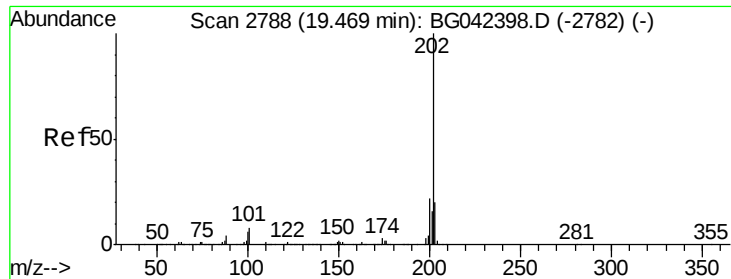
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042697.D
 Acq: 3 Sep 2019 20:24

Tgt Ion:188	Resp:	232034
Ion Ratio	Lower	Upper
188	100	
94	5.0	4.5 6.7
80	5.2	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





#75

Fluoranthene

Concen: 2.675 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

Instrument :

BNA_G

ClientSampleId :

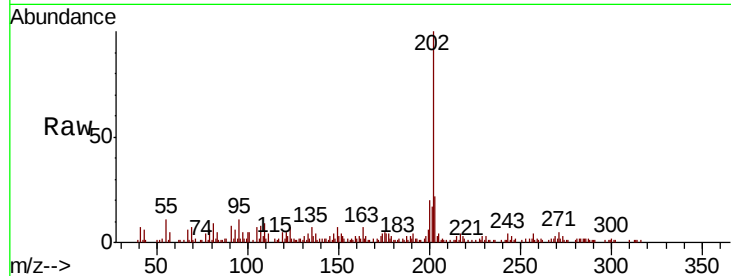
Tot Ion:202 Resp: 37631

Ion Ratio Lower Upper

202 100

101 4.8 0.0 28.3

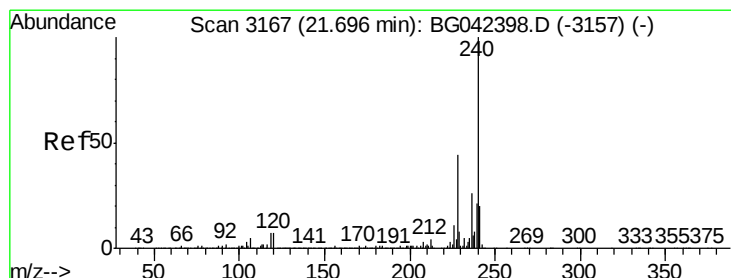
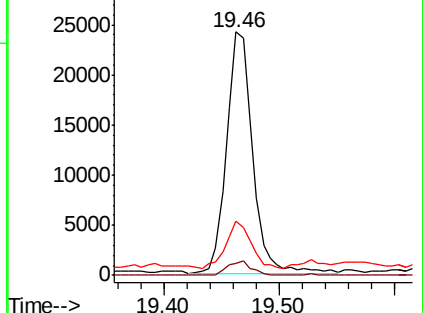
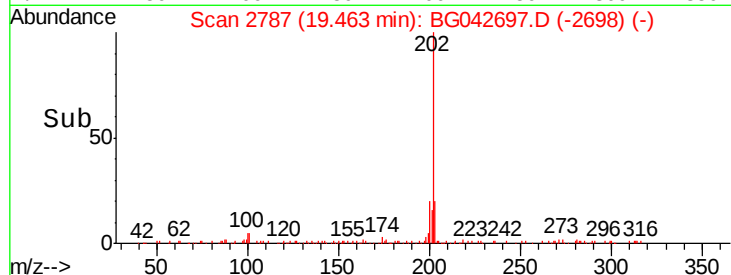
203 22.2 0.0 39.6



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: BG042697.D

Acq: 3 Sep 2019 20:24

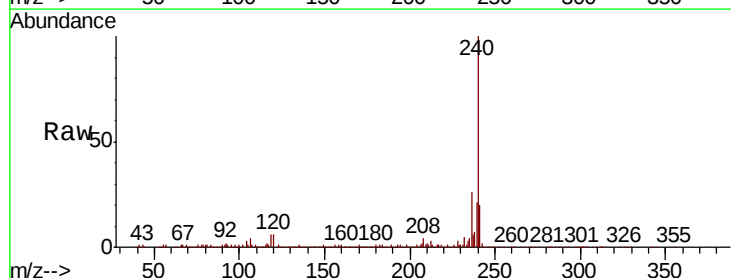
Tgt Ion:240 Resp: 257404

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

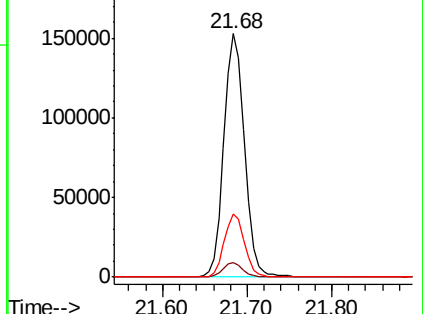
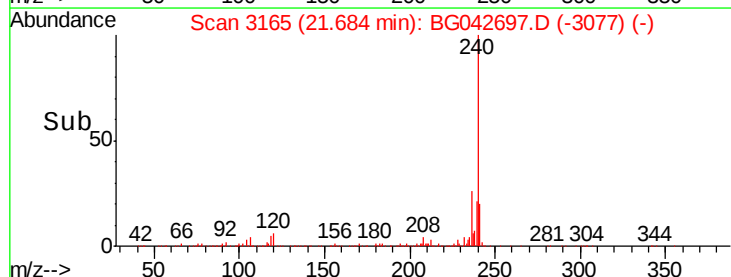
236 25.7 21.0 31.4

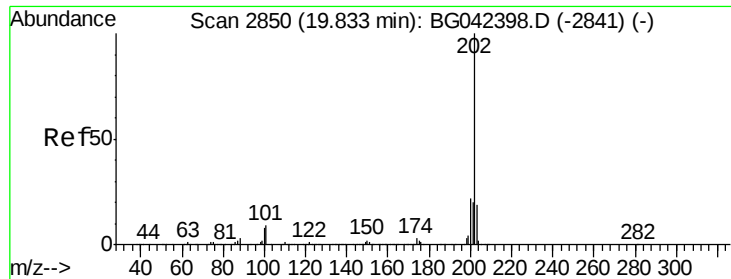


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

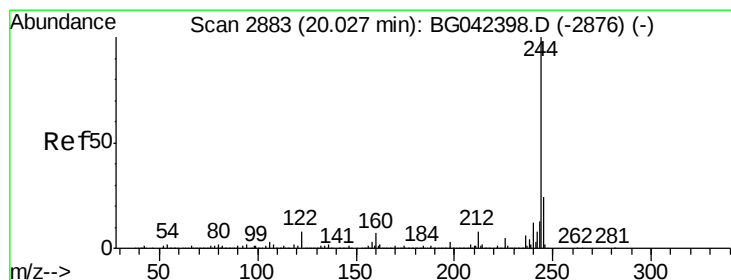
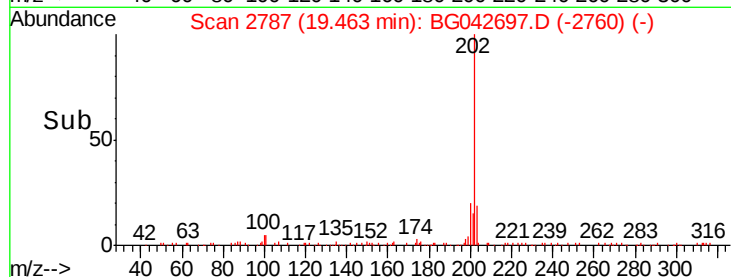
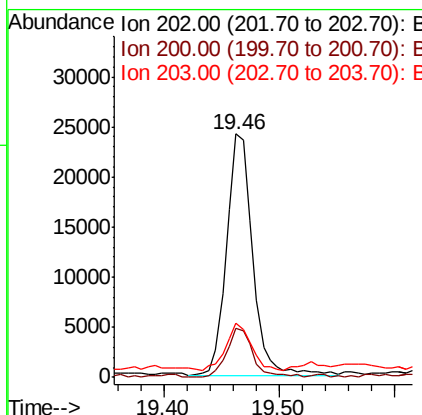
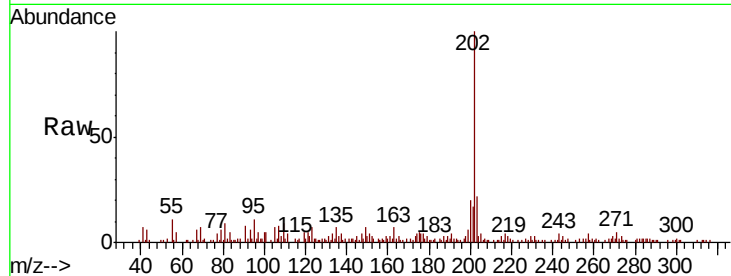




#78
Pvrene
Concen: 2.385 ng
RT: 19.46 min Scan# 2787
Delta R.T. -0.37 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

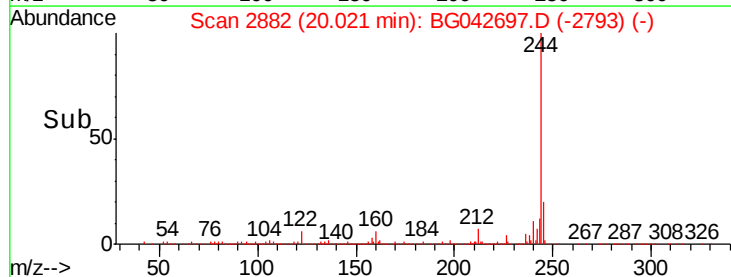
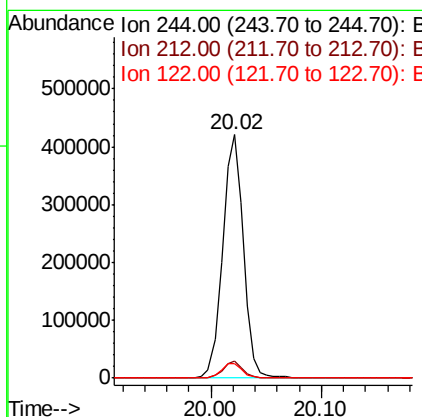
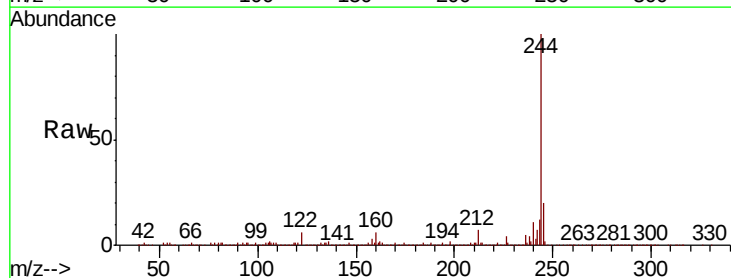
Instrument :
BNA_G
ClientSampleId :

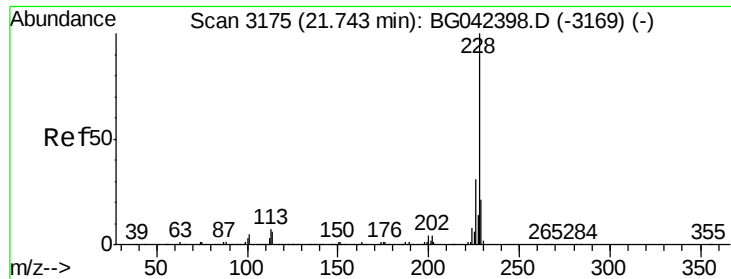
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.6
203	22.2	15.5	23.3



#79
Terphenyl-d14
Concen: 46.168 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	6.2	6.7	10.1#

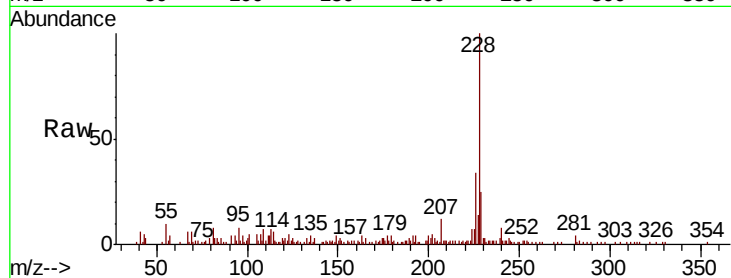




#83
Chrysene
Concen: 2.349 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	24.9	37.3
229	24.9	16.9	25.3

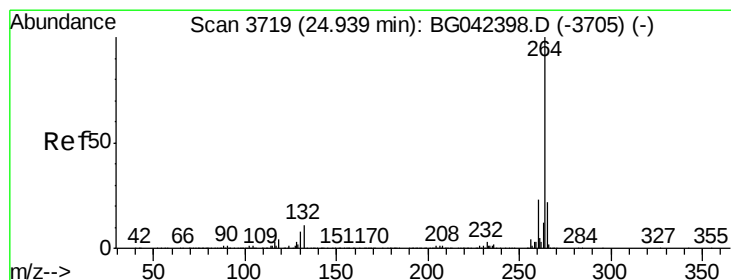
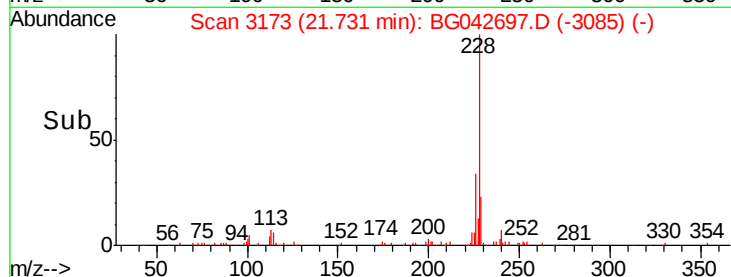
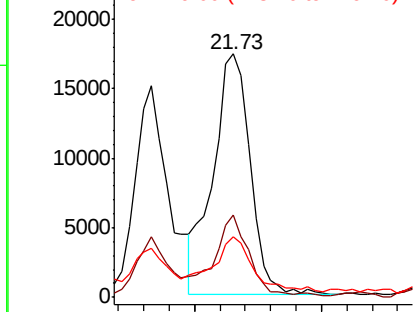


Abundance

Ion 228.00 (227.70 to 228.70): E

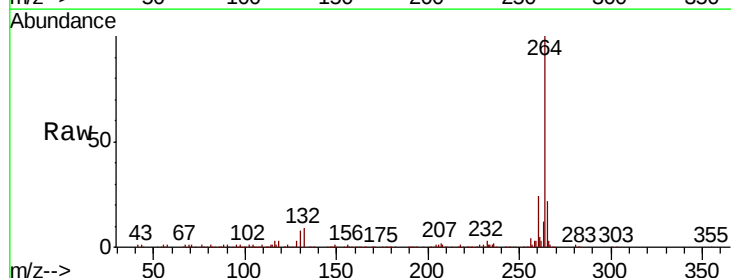
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042697.D
Acq: 3 Sep 2019 20:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.7	17.6	26.4

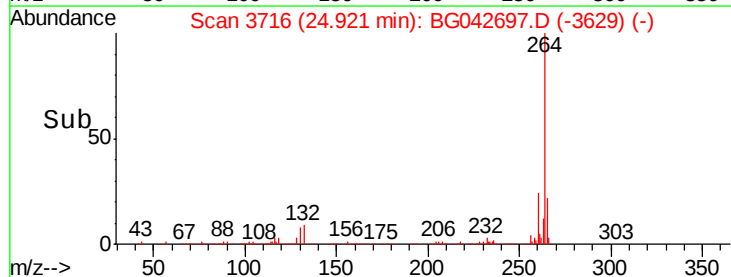
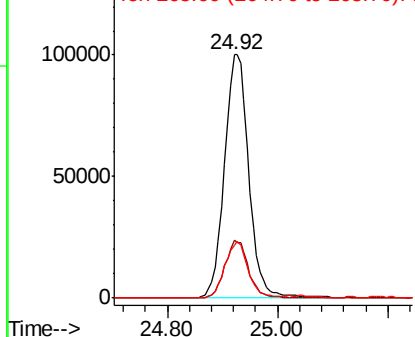


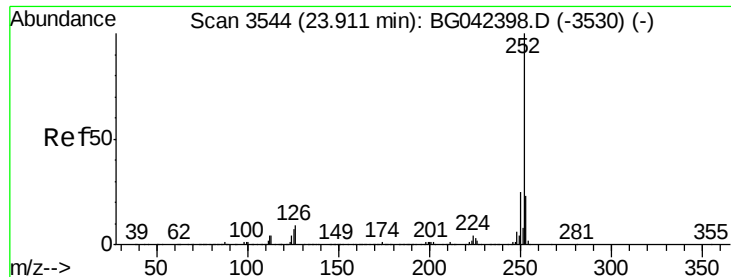
Abundance

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: 3.515 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

Instrument :

BNA_G

ClientSampled :

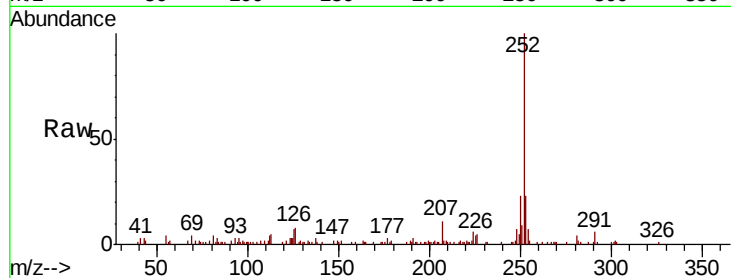
Tot Ion:252 Resp: 59839

Ion Ratio Lower Upper

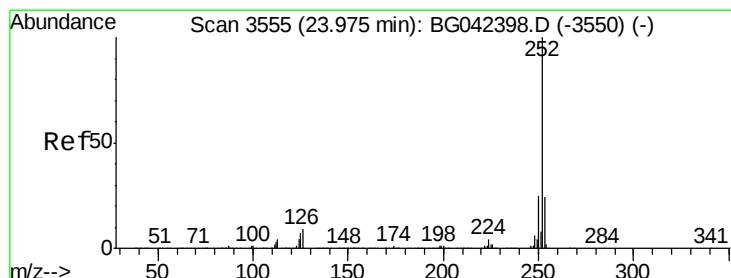
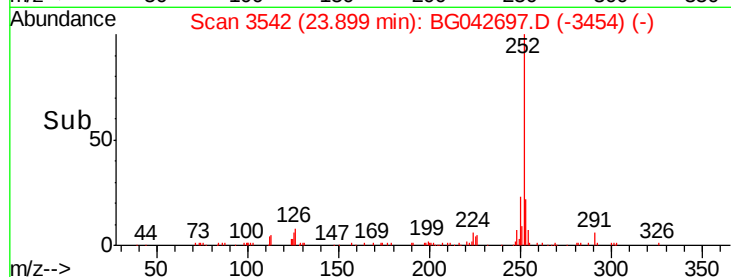
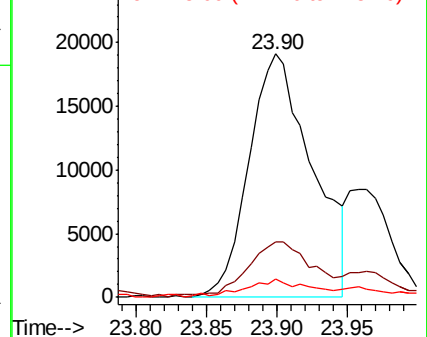
252 100

253 22.8 18.6 27.8

125 7.4 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: 3.657 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.08 min

Lab File: BG042697.D

Acq: 3 Sep 2019 20:24

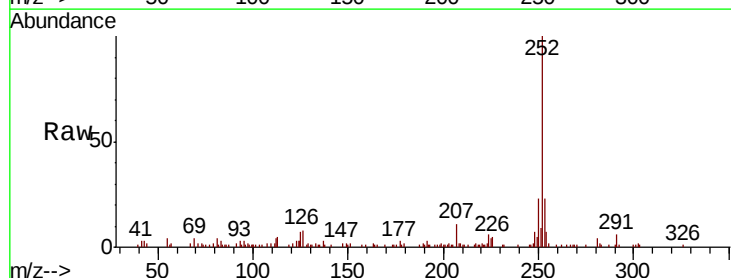
Tgt Ion:252 Resp: 59839

Ion Ratio Lower Upper

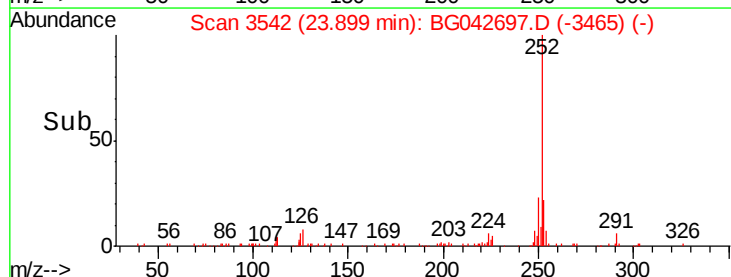
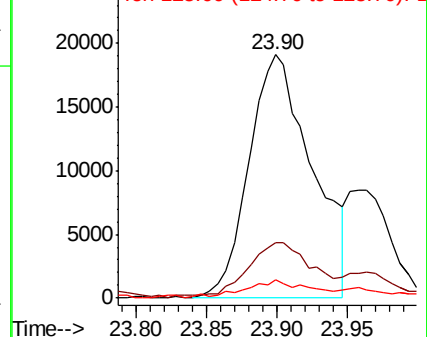
252 100

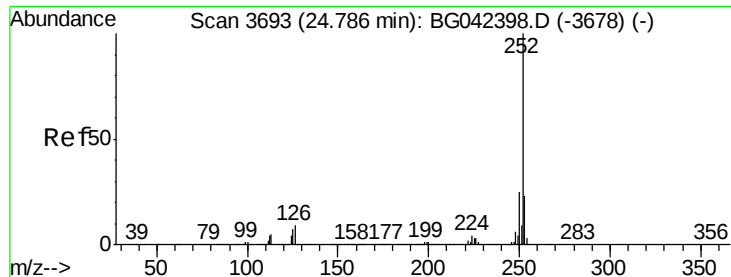
253 22.8 18.6 27.8

125 7.4 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: 2.184 ng
 RT: 24.77 min Scan# 3690
 Delta R.T. -0.02 min
 Lab File: BG042697.D
 Acq: 3 Sep 2019 20:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	6.7	6.0	9.0

