

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042698.D
 Acq On : 3 Sep 2019 21:02
 Operator : HP/JU
 Sample : K4601-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:08:11 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	33068	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	129294	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	102666	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	225280	20.00	ng	0.00
76) Chrysene-d12	21.69	240	250262	20.00	ng	0.00
87) Perylene-d12	24.92	264	299086	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	166483	101.96	ng	0.00
7) Phenol-d6	7.16	99	227193	103.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	131663	70.37	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	153827	105.42	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	352071	58.00	ng	0.00
79) Terphenyl-d14	20.02	244	595082	51.41	ng	0.00

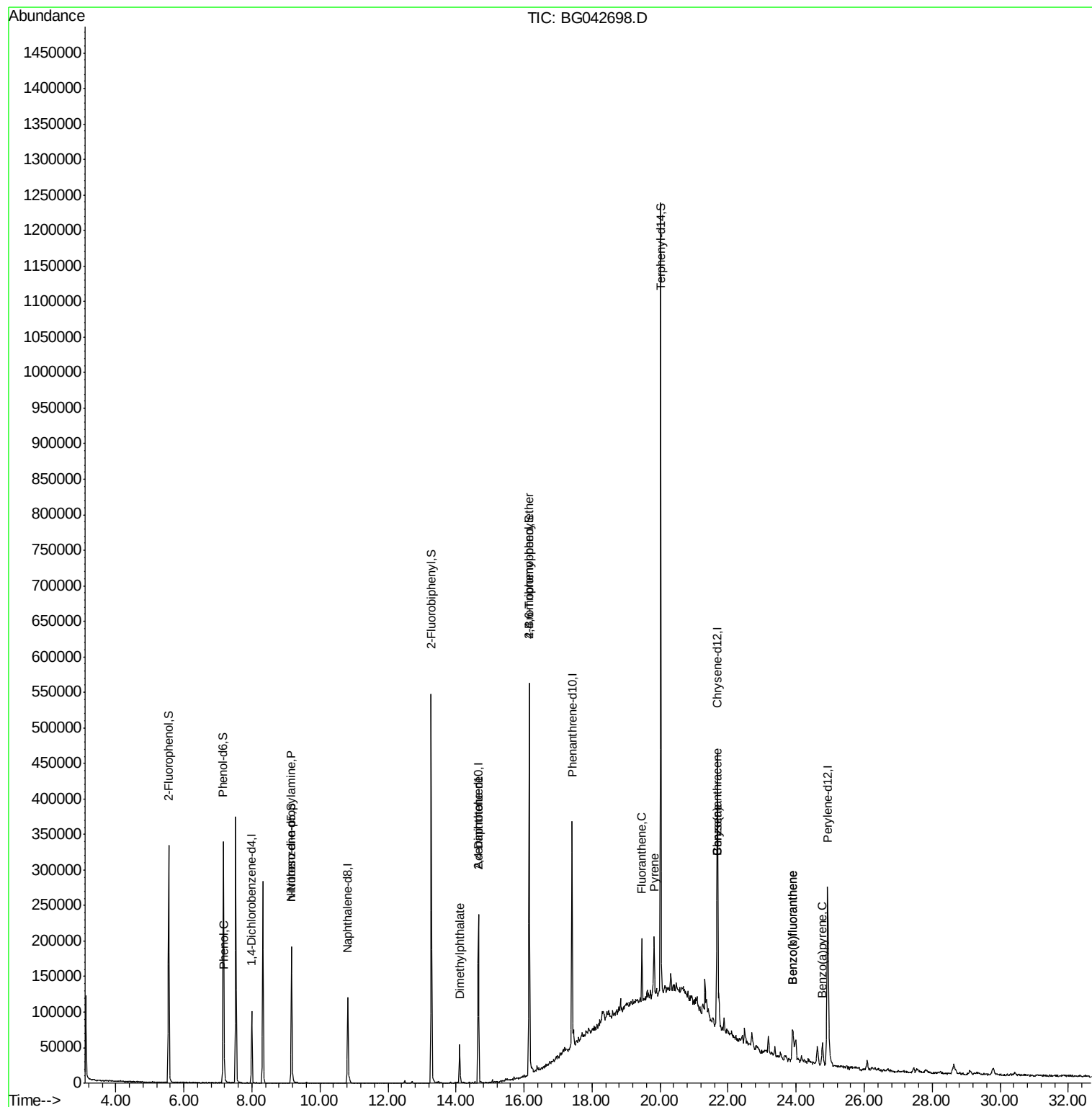
Target Compounds				Qvalue		
10) Phenol	7.19	94	11994	5.349	ng	82
19) n-Nitroso-di-n-propylamine	9.16	70	17626	12.336	ng	# 76
50) Dimethylphthalate	14.11	163	54909	7.412	ng	97
57) 2,4-Dinitrotoluene	14.66	165	13465	5.476	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	10141	3.549	ng	# 1
75) Fluoranthene	19.47	202	62557	4.581	ng	97
78) Pyrene	19.82	202	59822	3.899	ng	96
81) Benzo(a)anthracene	21.66	228	41026	2.695	ng	97
83) Chrysene	21.66	228	41026	2.794	ng	95
88) Benzo(b)fluoranthene	23.90	252	58783	3.575	ng	96
89) Benzo(k)fluoranthene	23.90	252	58783	3.719	ng	# 95
90) Benzo(a)pyrene	24.77	252	38663	2.478	ng	94

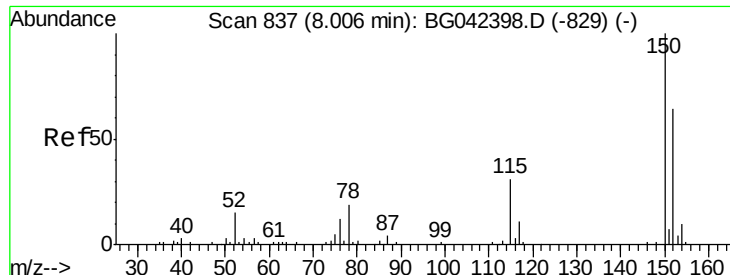
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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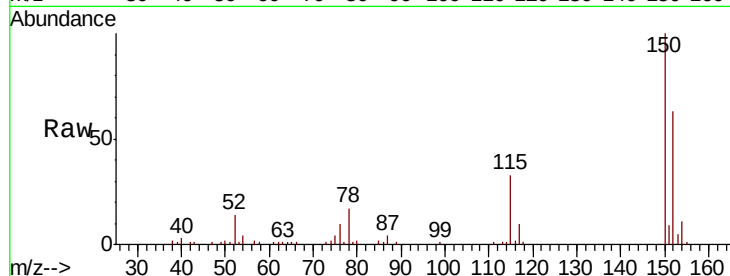


#1

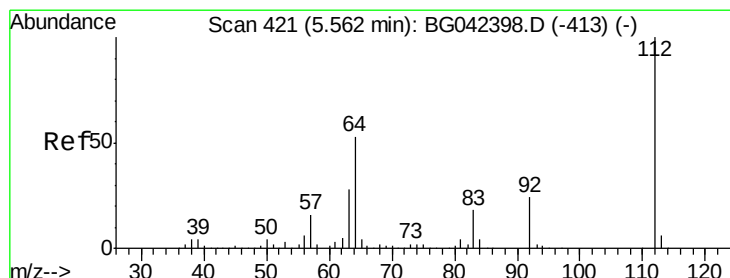
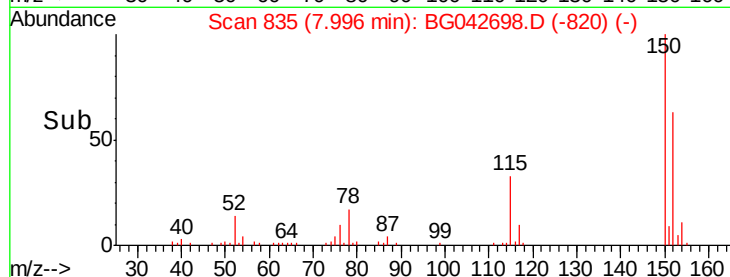
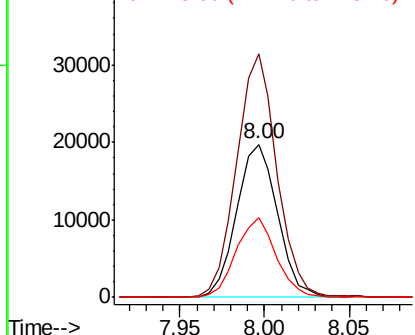
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33068
Ion Ratio Lower Upper
152 100
150 159.0 125.4 188.0
115 51.7 38.5 57.7



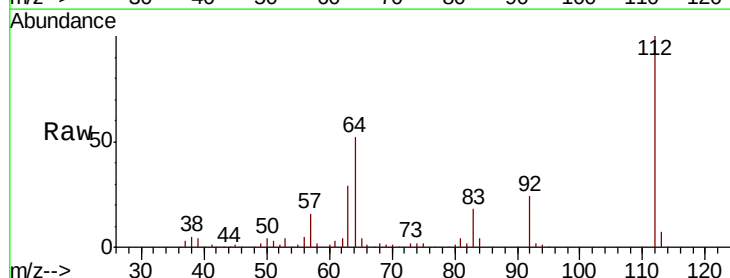
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



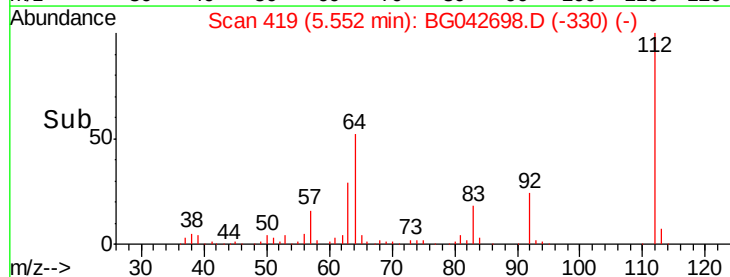
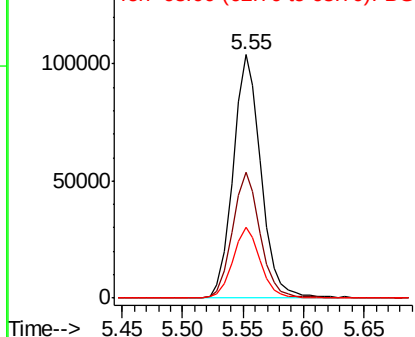
#5

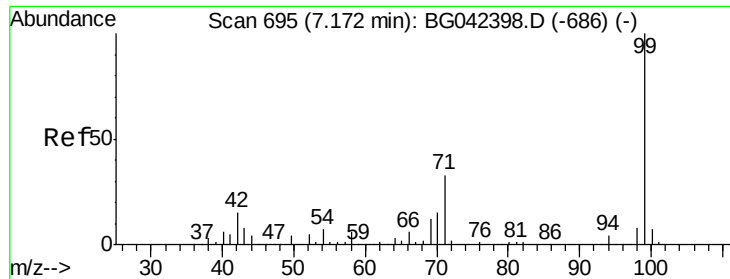
2-Fluorophenol
Concen: 101.965 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion:112 Resp: 166483
Ion Ratio Lower Upper
112 100
64 51.9 42.8 64.2
63 29.2 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: 103.013 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

ClientSampleId :

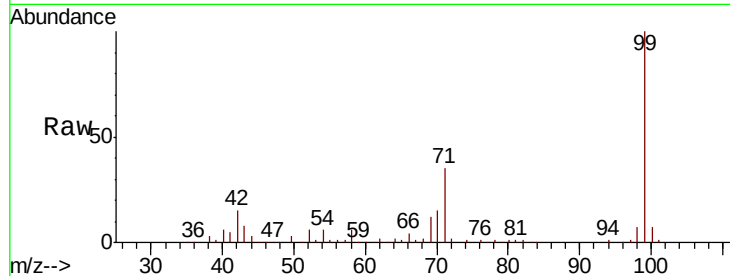
Tot Ion: 99 Resp: 227193

Ion Ratio Lower Upper

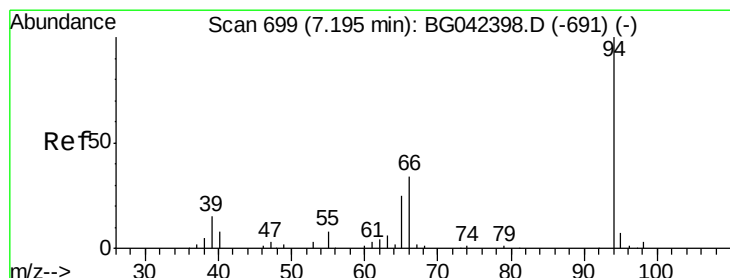
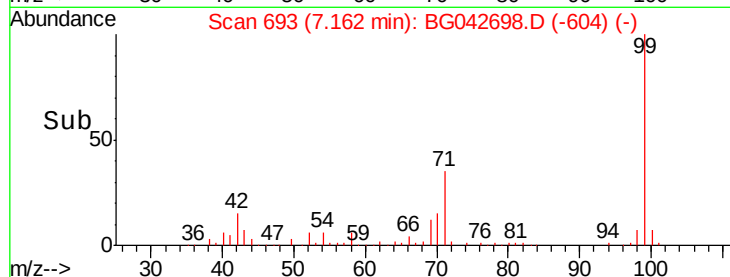
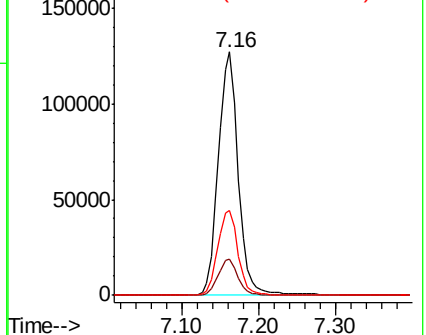
99 100

42 14.8 12.0 18.0

71 34.8 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: 5.349 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

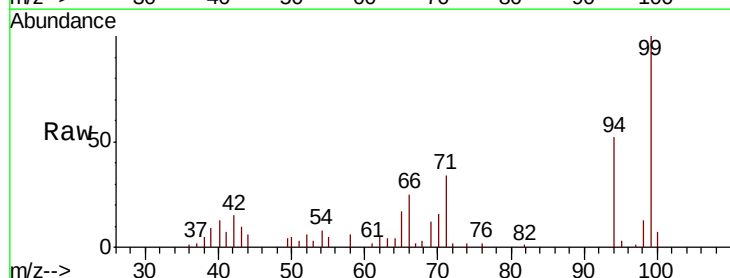
Tgt Ion: 94 Resp: 11994

Ion Ratio Lower Upper

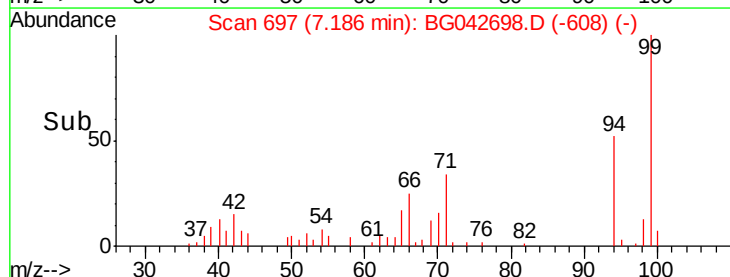
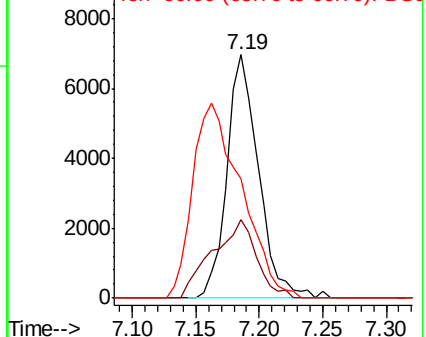
94 100

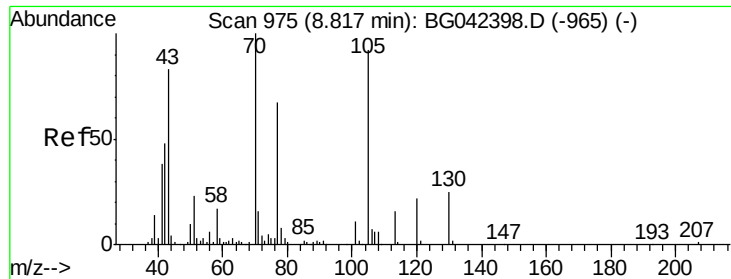
65 32.0 5.6 45.6

66 49.0 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

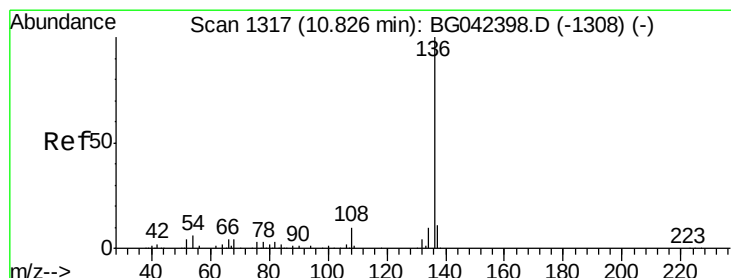
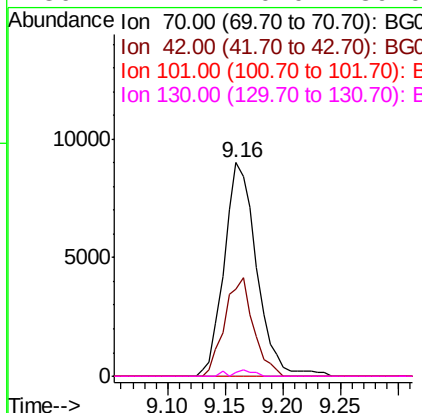
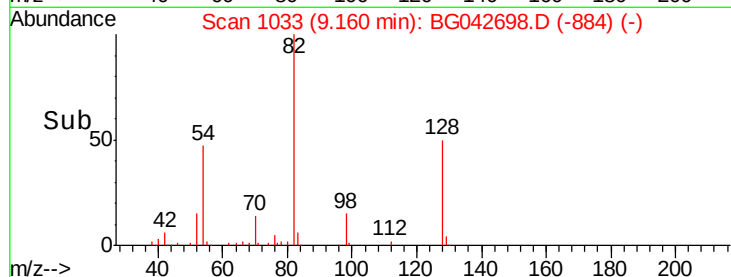
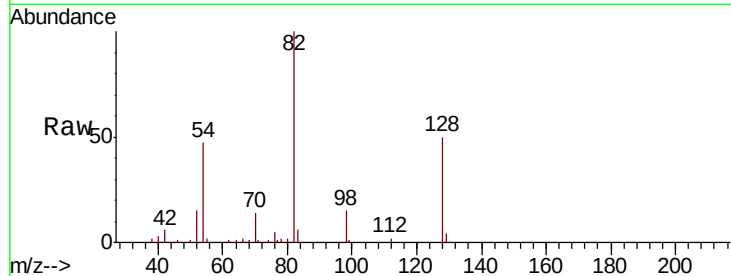




#19
n-Nitroso-di-n-propylamine
Concen: 12.336 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

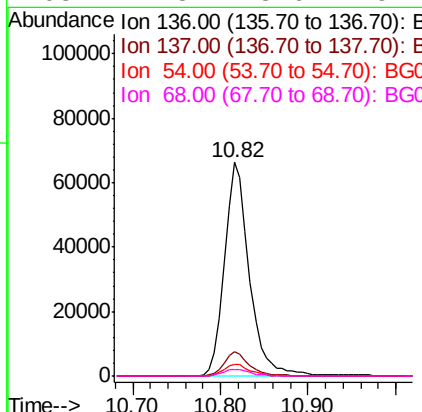
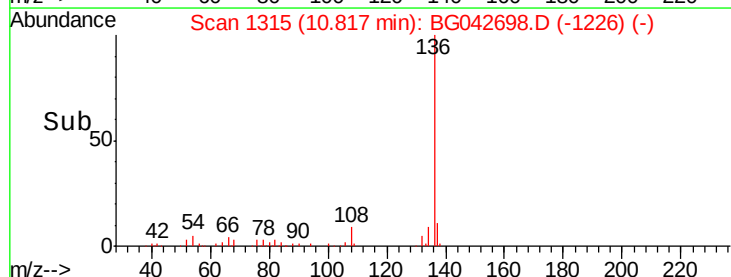
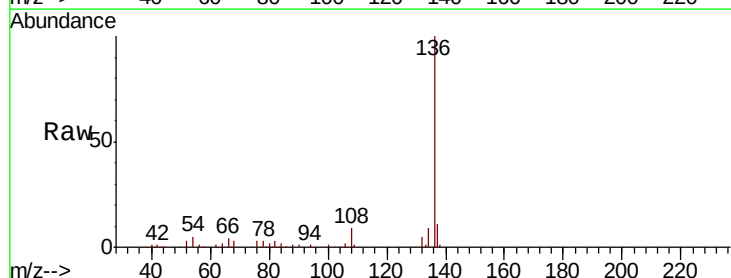
Instrument :
BNA_G
ClientSampleId :

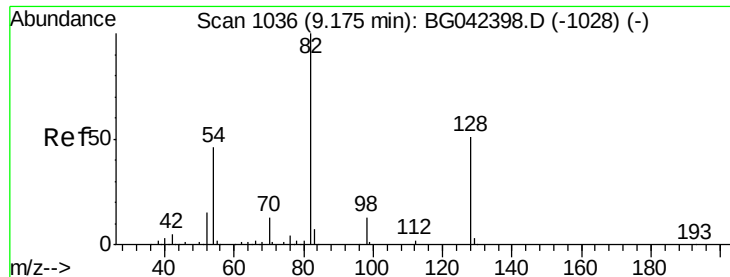
Tot Ion: 70 Resp: 17626
Ion Ratio Lower Upper
70 100
42 40.5 38.8 58.2
101 0.0 9.0 13.6#
130 2.1 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion: 136 Resp: 129294
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 5.2 4.9 7.3
68 2.8 3.6 5.4#

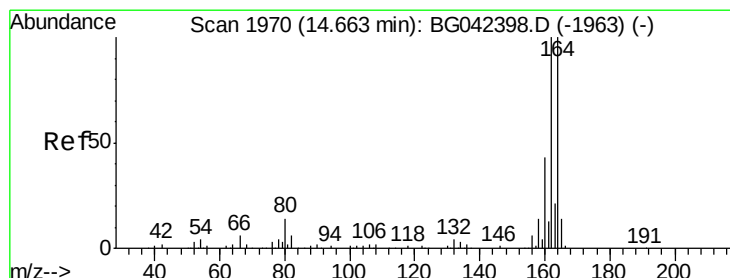
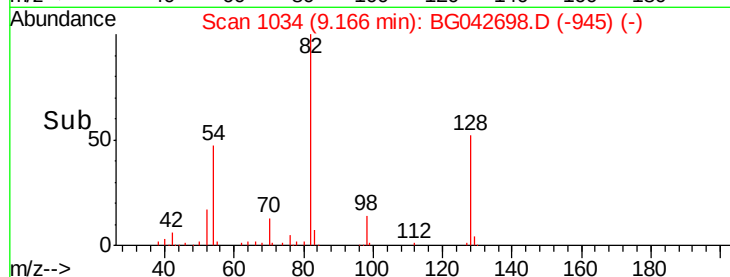
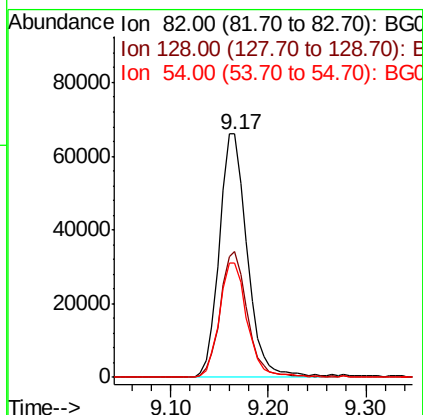
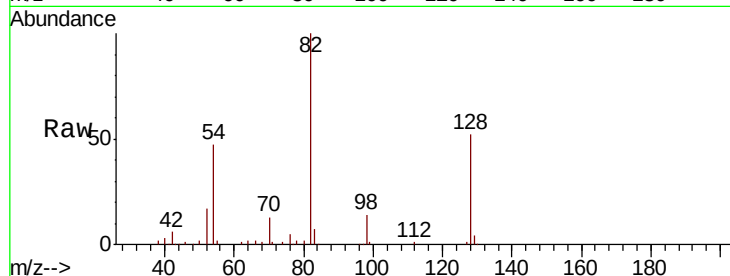




#23
 Nitrobenzene-d5
 Concen: 70.370 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042698.D
 Acq: 3 Sep 2019 21:02

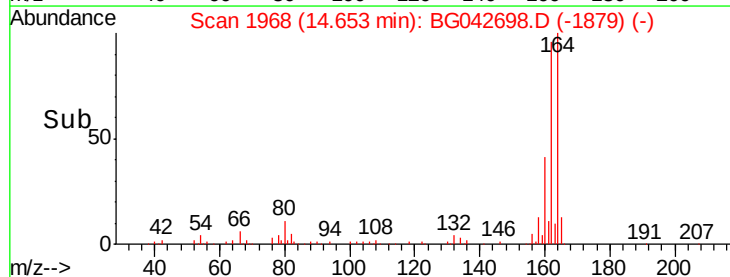
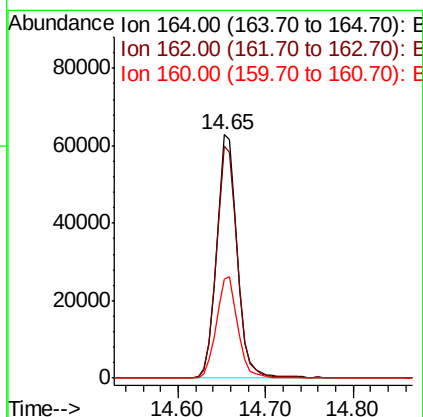
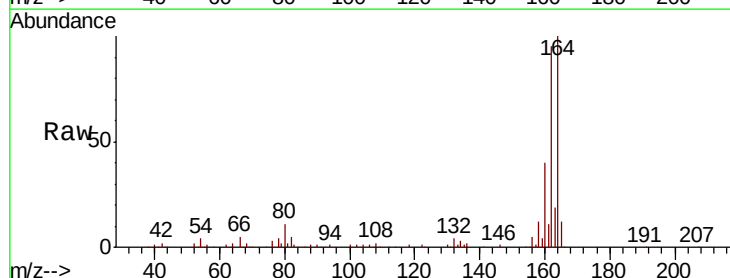
Instrument :
 BNA_G
 ClientSampled :

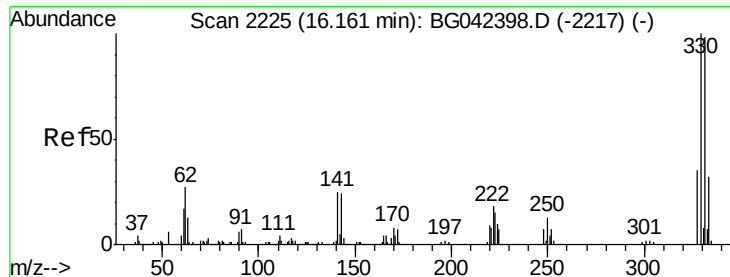
Tot Ion	82	Resp	131663
Ion Ratio	Lower	Upper	
82	100		
128	51.7	40.7	61.1
54	47.2	36.3	54.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG042698.D
 Acq: 3 Sep 2019 21:02

Tgt Ion	164	Resp	102666
Ion Ratio	Lower	Upper	
164	100		
162	95.5	79.9	119.9
160	40.5	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 105.417 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

ClientSampled :

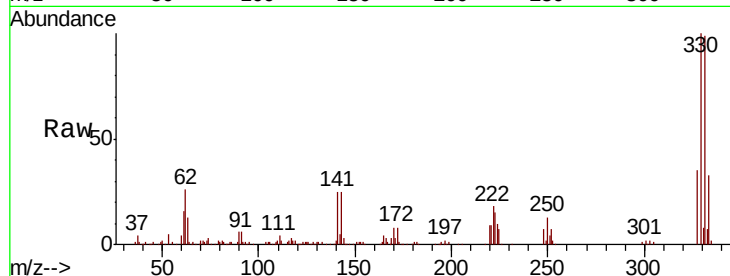
Tot Ion:330 Resp: 153827

Ion Ratio Lower Upper

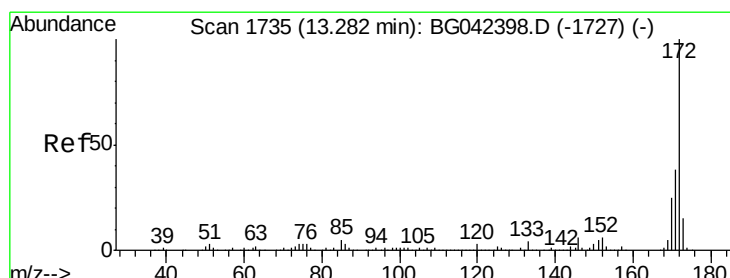
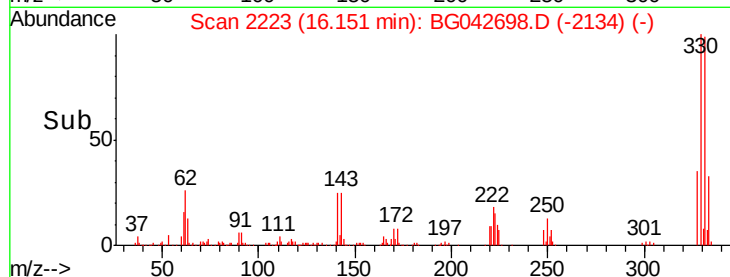
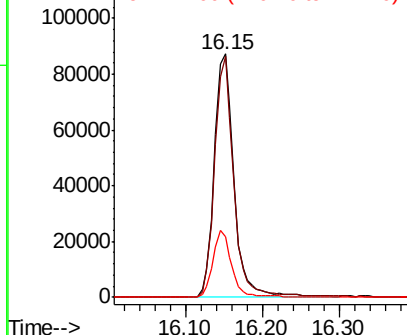
330 100

332 95.5 77.4 116.0

141 25.7 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: 57.999 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

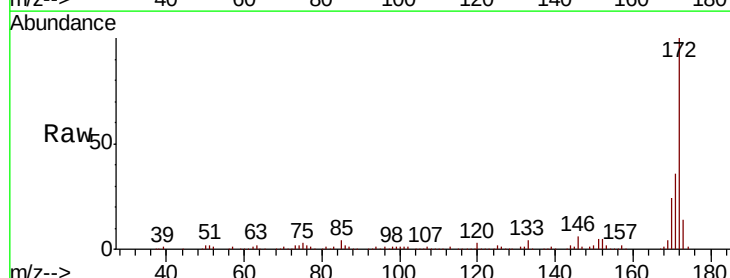
Tgt Ion:172 Resp: 352071

Ion Ratio Lower Upper

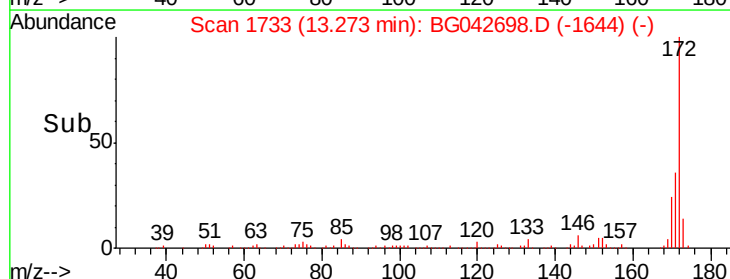
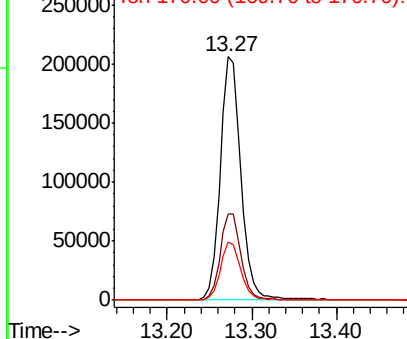
172 100

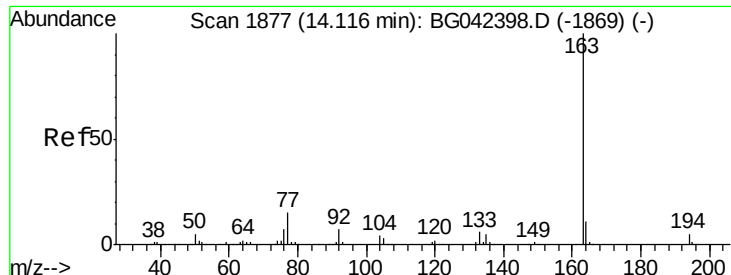
171 35.6 30.5 45.7

170 24.0 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

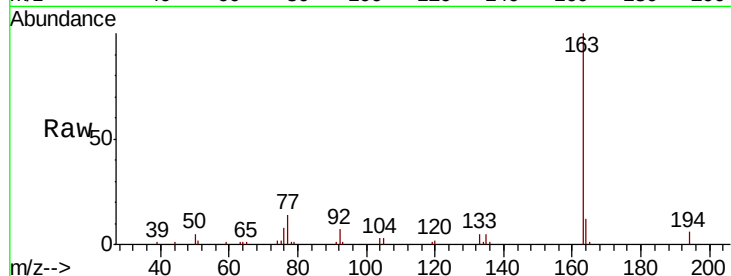




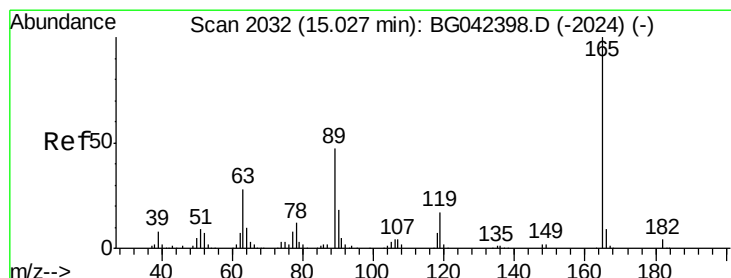
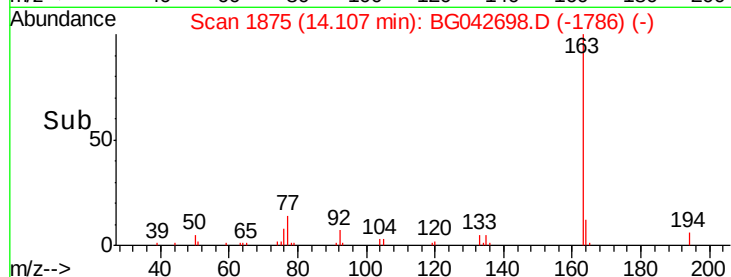
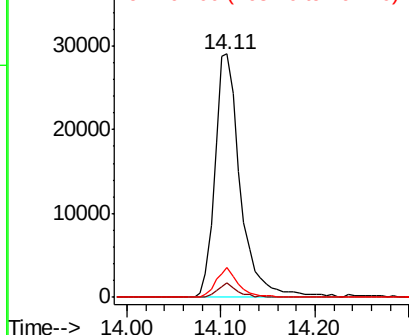
#50
Dimethylphthalate
Concen: 7.412 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 54909
Ion Ratio Lower Upper
163 100
194 5.8 4.2 6.2
164 12.2 8.8 13.2

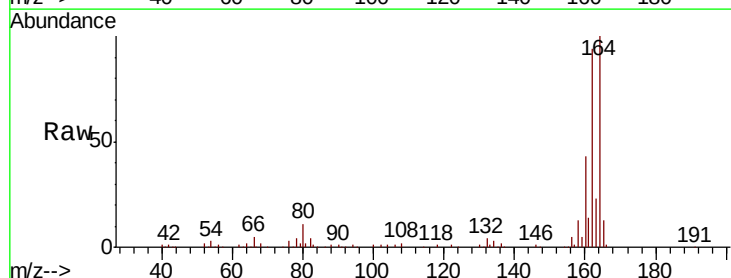


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

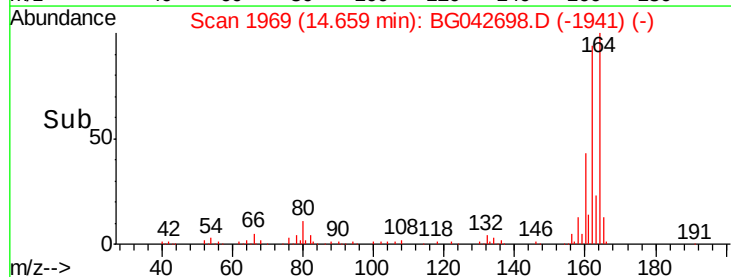
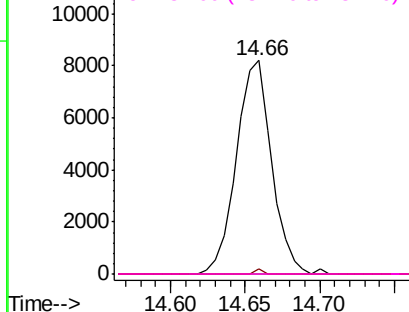


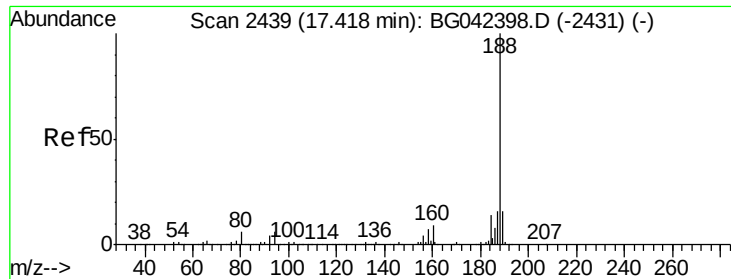
#57
2,4-Dinitrotoluene
Concen: 5.476 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion:165 Resp: 13465
Ion Ratio Lower Upper
165 100
63 2.4 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: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

ClientSampleId :

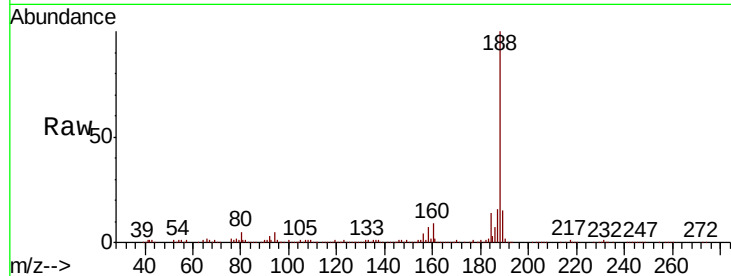
Tot Ion:188 Resp: 225280

Ion Ratio Lower Upper

188 100

94 4.8 4.5 6.7

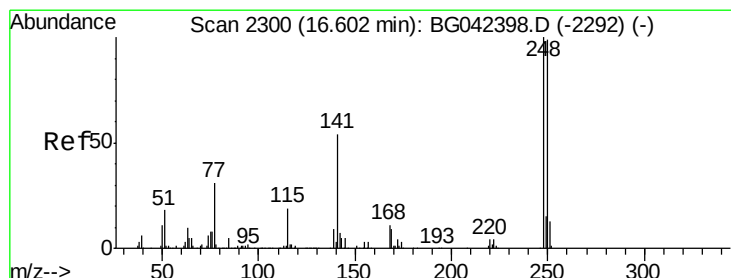
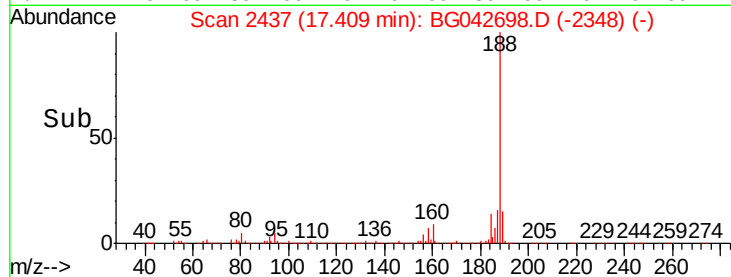
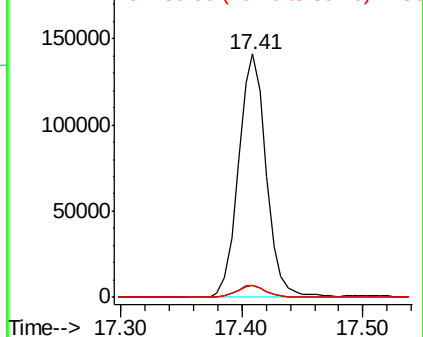
80 4.9 4.9 7.3



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



#67

4-Bromophenyl-phenylether

Concen: 3.549 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

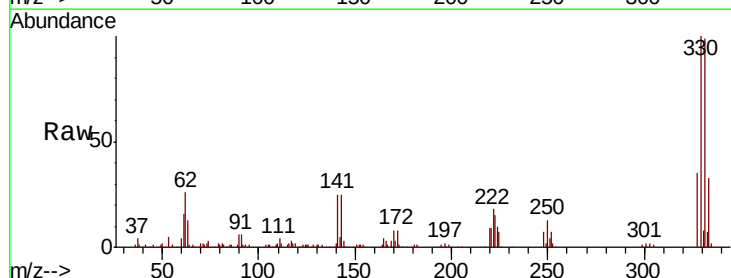
Tgt Ion:248 Resp: 10141

Ion Ratio Lower Upper

248 100

250 185.5 78.9 118.3#

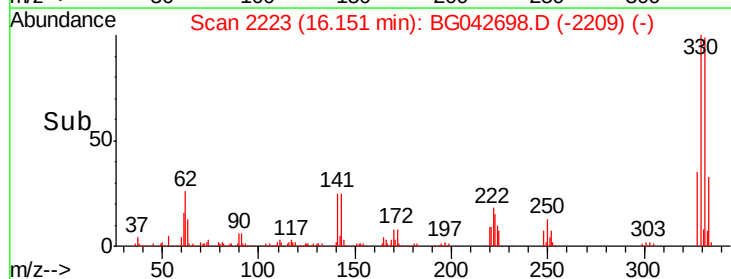
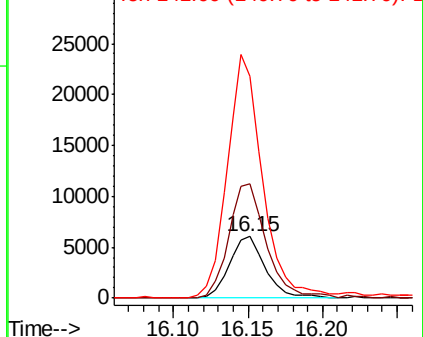
141 360.7 43.3 64.9#

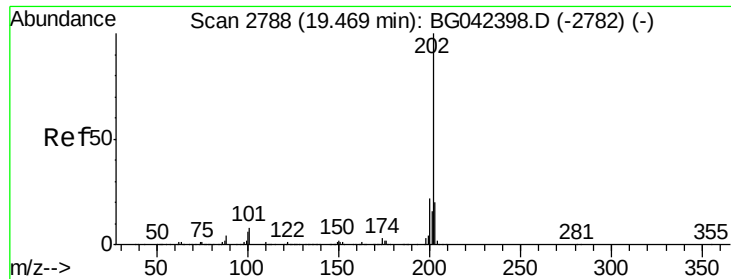


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

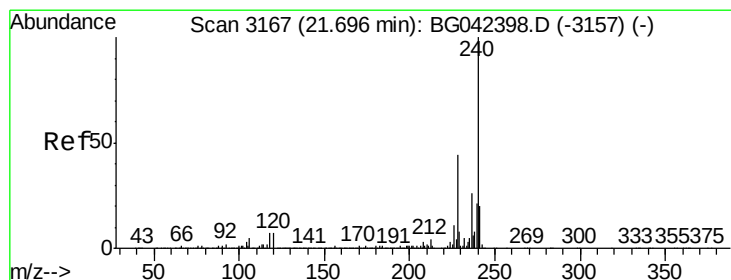
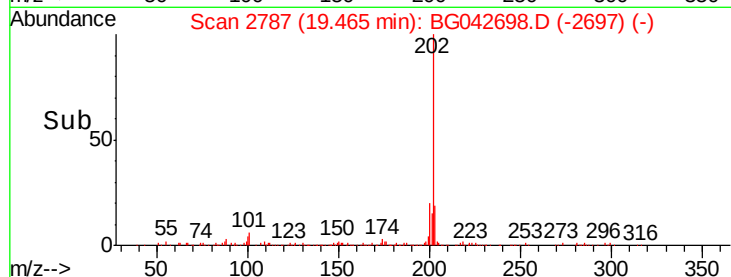
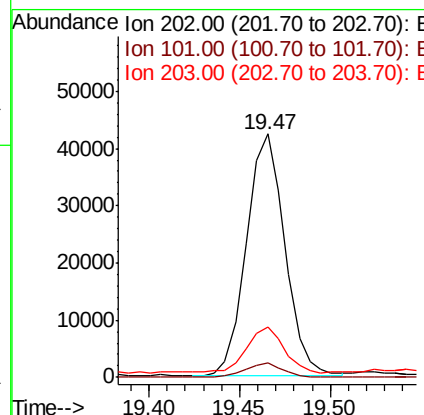
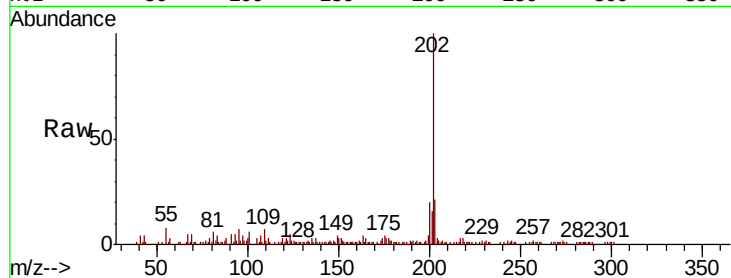




#75
Fluoranthene
Concen: 4.581 ng
RT: 19.47 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

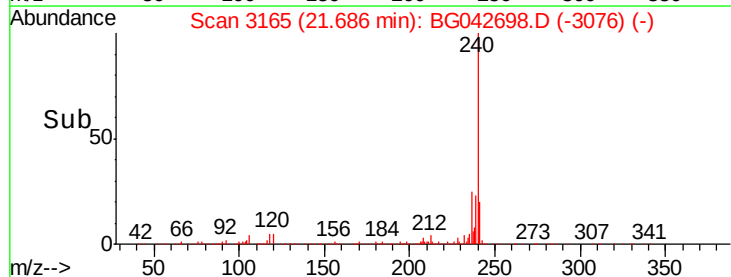
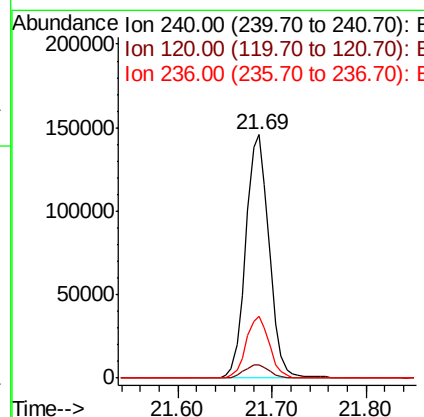
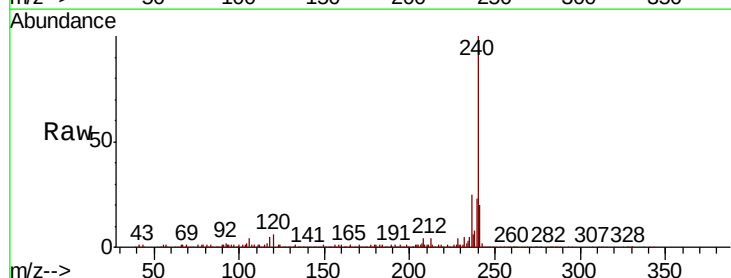
Instrument :
BNA_G
ClientSampleId :

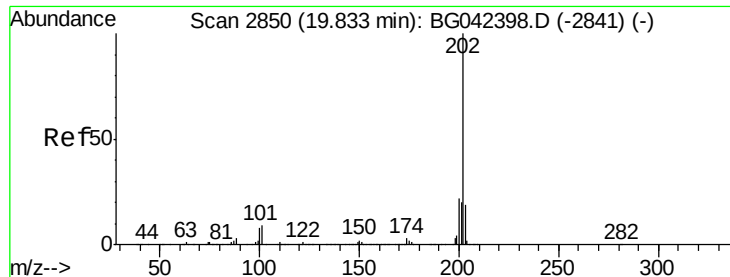
Tot Ion:	202	Resp:	62557
Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	28.3
203	20.7	0.0	39.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion:	240	Resp:	250262
Ion	Ratio	Lower	Upper
240	100		
120	5.7	5.7	8.5#
236	25.4	21.0	31.4





#78

Pvrene

Concen: 3.899 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042698.D

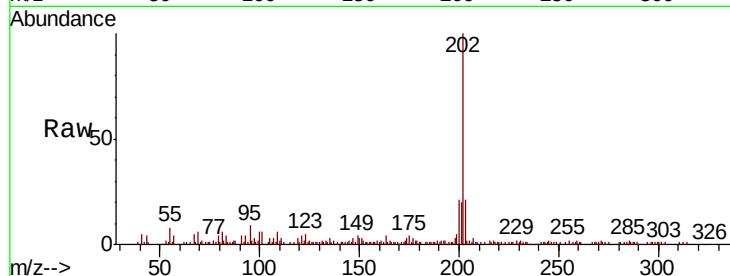
Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

ClientSampled :

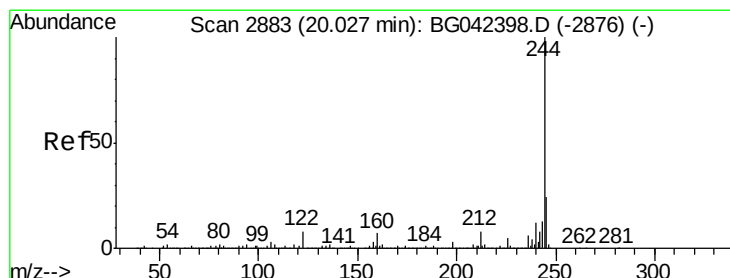
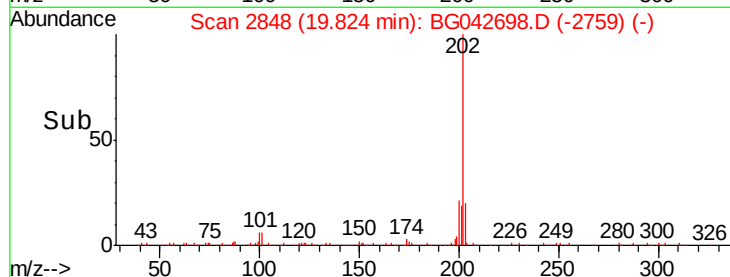
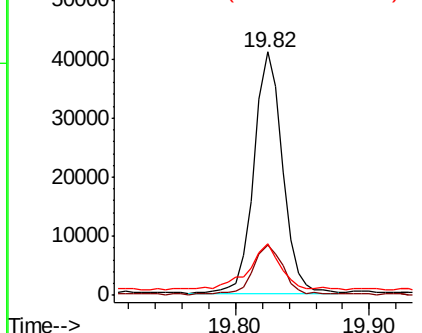
Tot Ion:	202	Resp:	59822
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	21.4	15.5	23.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 51.407 ng

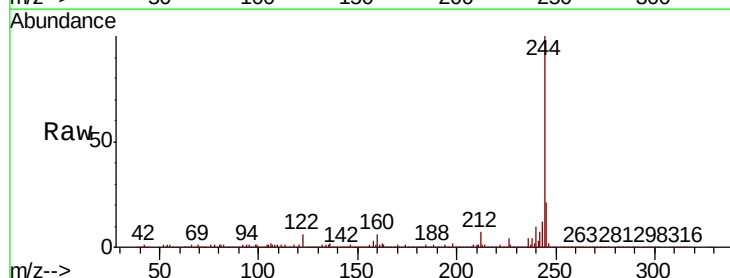
RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

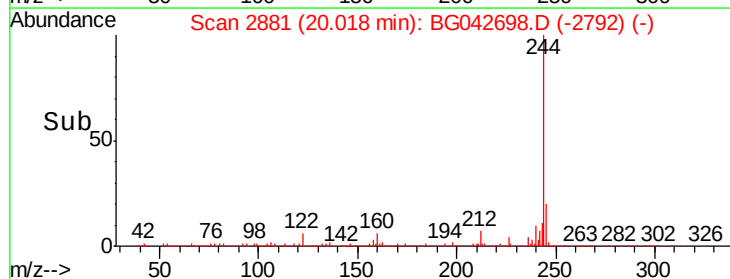
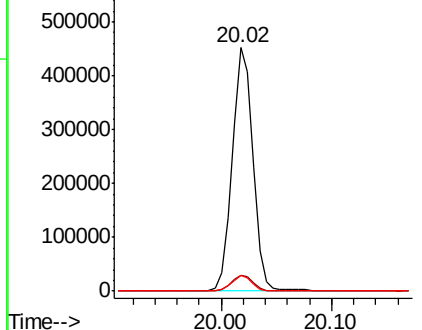
Tgt Ion:	244	Resp:	595082
Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	6.4	6.7	10.1#

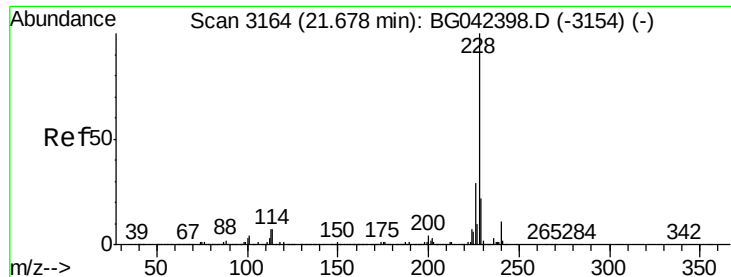


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.695 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

ClientSampleId :

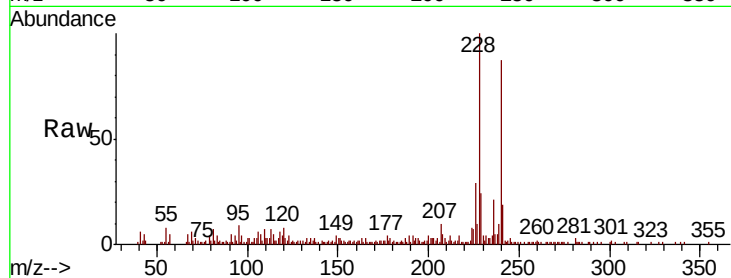
Tot Ion:228 Resp: 41026

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

229 24.2 17.4 26.2

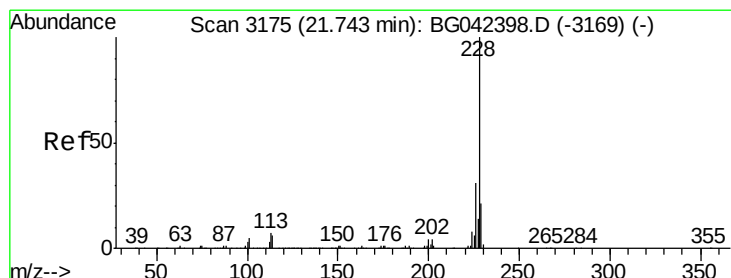
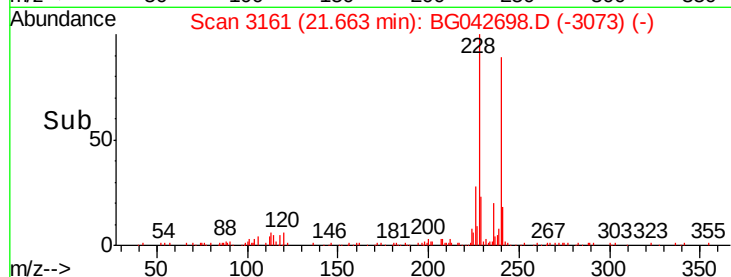
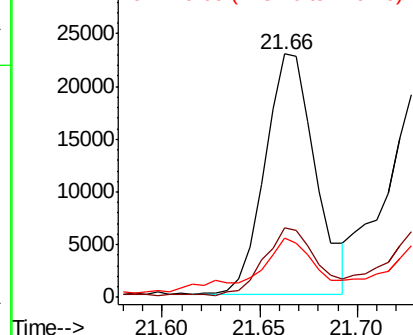


Abundance

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: 2.794 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.08 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

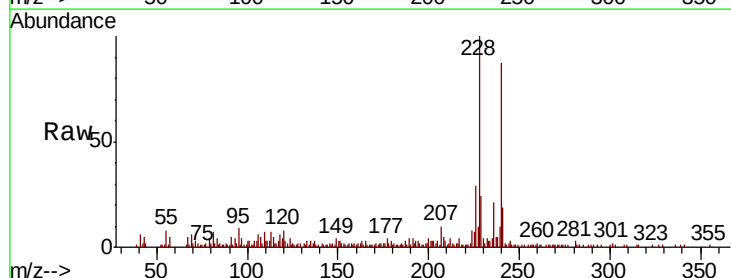
Tgt Ion:228 Resp: 41026

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

229 24.2 16.9 25.3

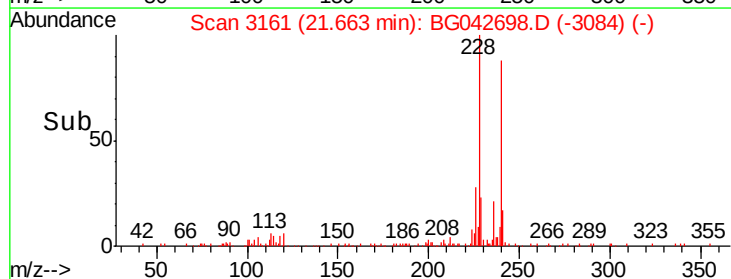
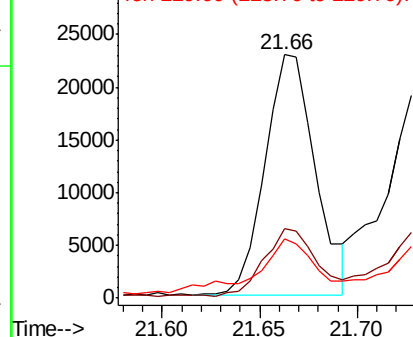


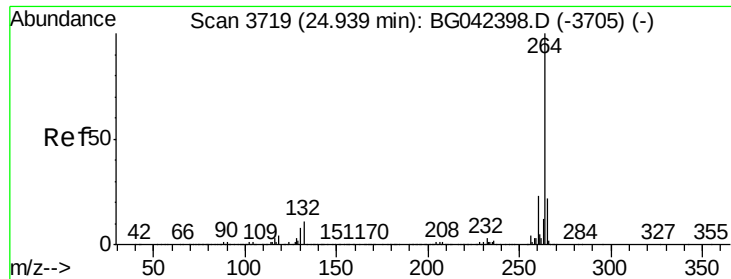
Abundance

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

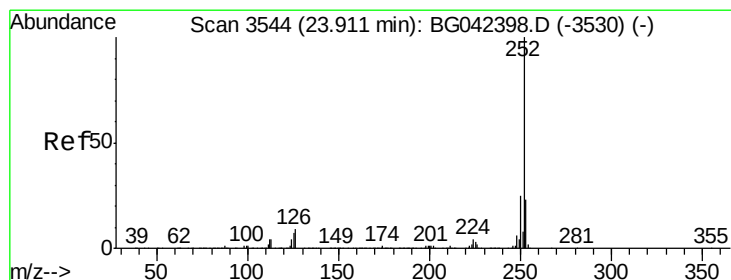
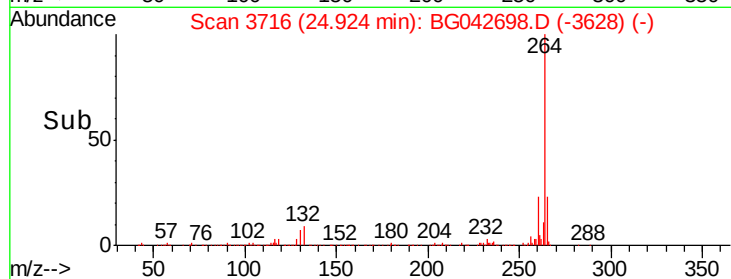
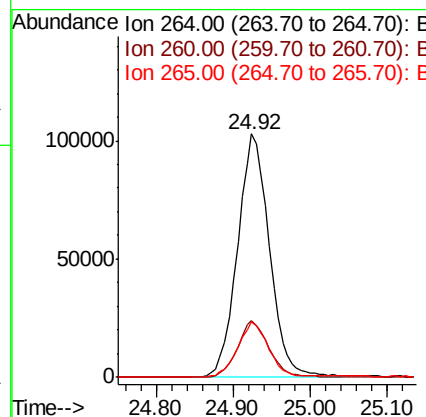
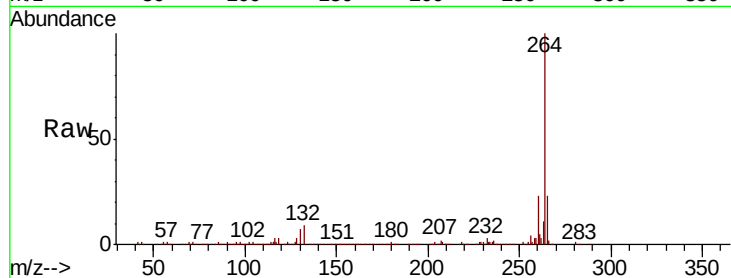




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

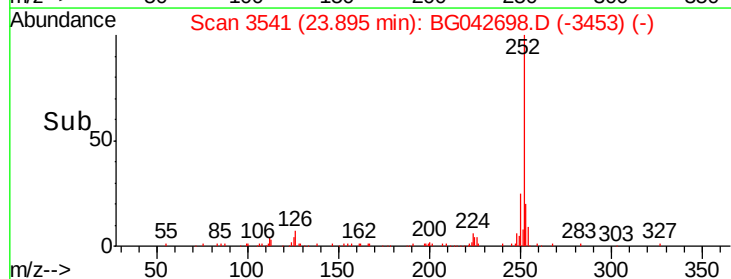
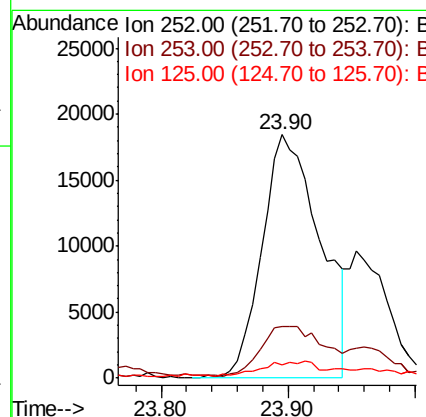
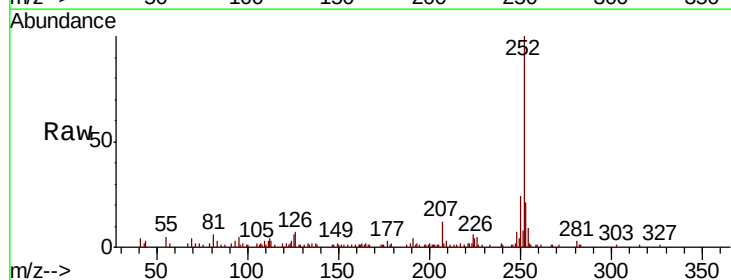
Instrument :
BNA_G
ClientSampleId :

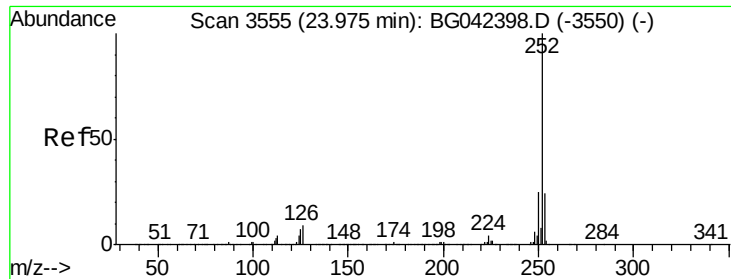
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.9	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 3.575 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.6	27.8
125	5.7	5.6	8.4

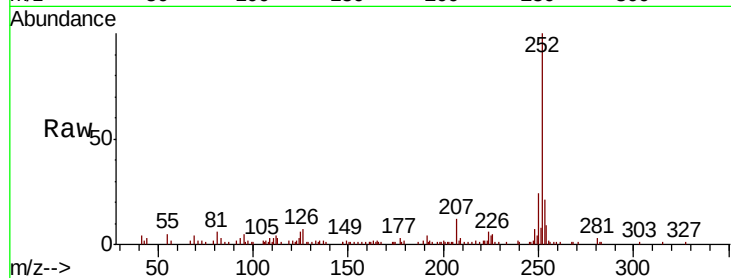




#89
Benzo(k)fluoranthene
Concen: 3.719 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.6	27.8
125	5.7	5.8	8.6#

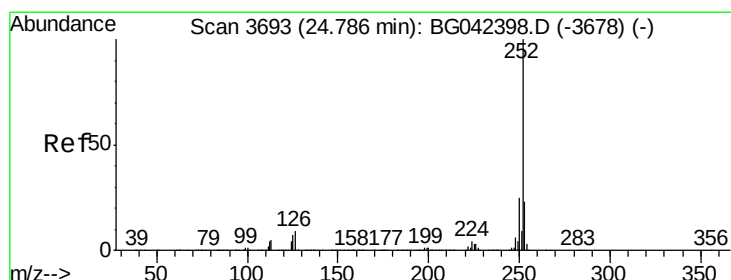
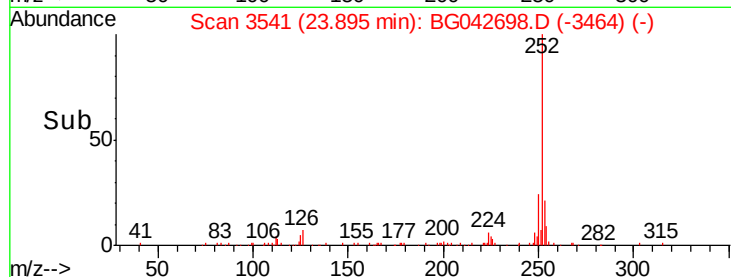
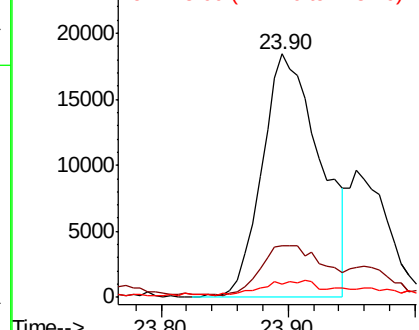


Abundance

Ion 252.00 (251.70 to 252.70): E

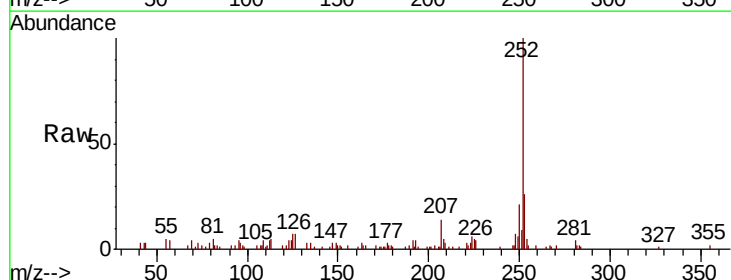
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.478 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.4	27.6
125	6.6	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

