

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042745.D
 Acq On : 6 Sep 2019 8:08
 Operator : HP/JU
 Sample : K4692-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 08:51:33 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

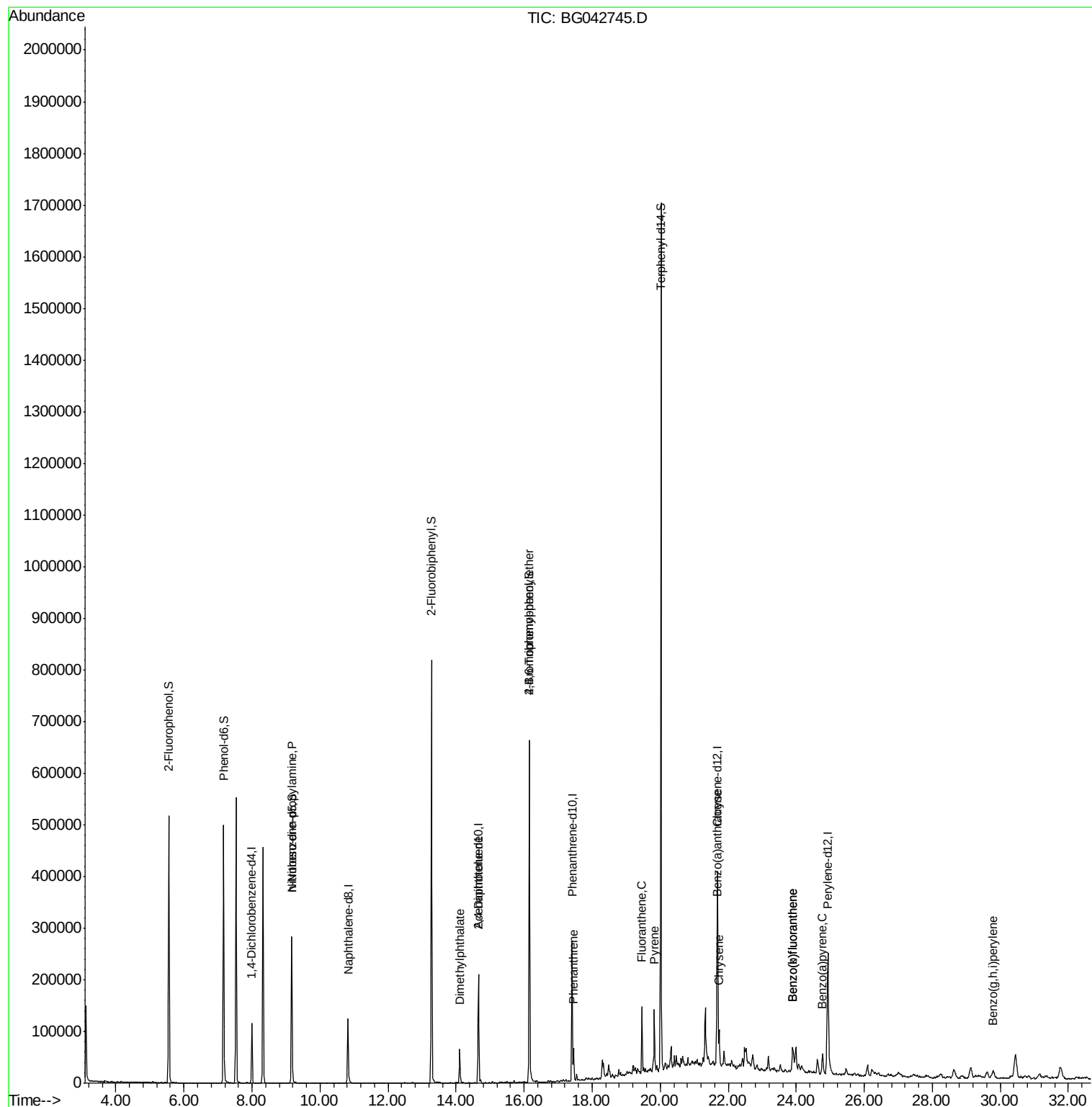
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	38631	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	136044	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	89856	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	195843	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	228000	20.00	ng	-0.01
87) Perylene-d12	24.93	264	273235	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	256048	134.24	ng	0.00
7) Phenol-d6	7.17	99	323899	125.71	ng	0.00
23) Nitrobenzene-d5	9.17	82	185605	94.28	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	181364	142.01	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	510631	96.11	ng	0.00
79) Terphenyl-d14	20.02	244	857288	81.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	24344	14.584	ng	Qvalue # 78
50) Dimethylphthalate	14.10	163	63033	9.722	ng	98
57) 2,4-Dinitrotoluene	14.66	165	11488	5.338	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12024	4.840	ng	# 1
71) Phenanthrene	17.45	178	45773	4.705	ng	98
75) Fluoranthene	19.46	202	84565	7.123	ng	93
78) Pyrene	19.83	202	88438	6.327	ng	99
81) Benzo(a)anthracene	21.67	228	54457	3.926	ng	94
83) Chrysene	21.73	228	50498	3.775	ng	98
88) Benzo(b)fluoranthene	23.90	252	68467	4.558	ng	97
89) Benzo(k)fluoranthene	23.90	252	68467	4.742	ng	97
90) Benzo(a)pyrene	24.77	252	52704	3.697	ng	99
92) Benzo(a,h,i)perylene	29.79	276	33437	2.316	ng	97

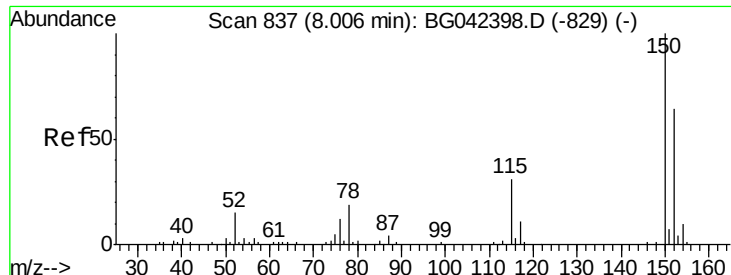
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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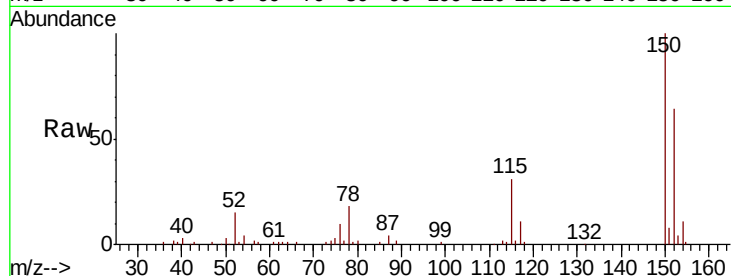


#1

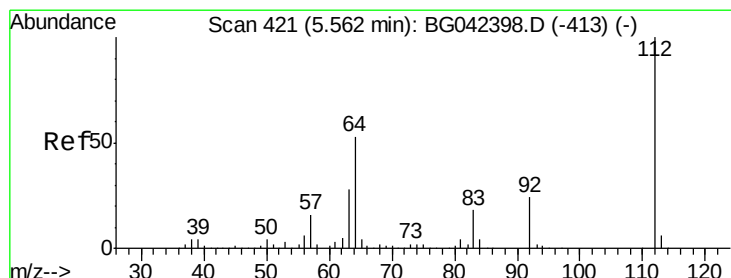
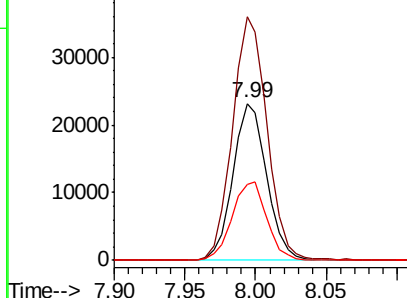
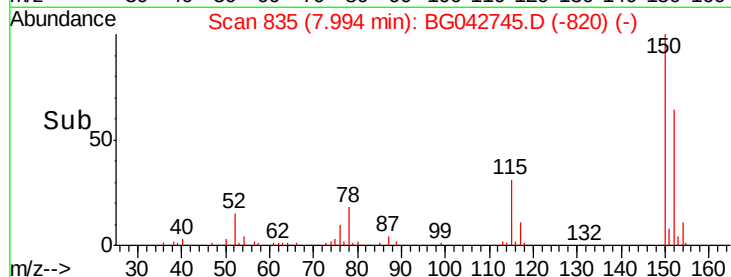
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38631
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.0
115 48.8 38.5 57.7



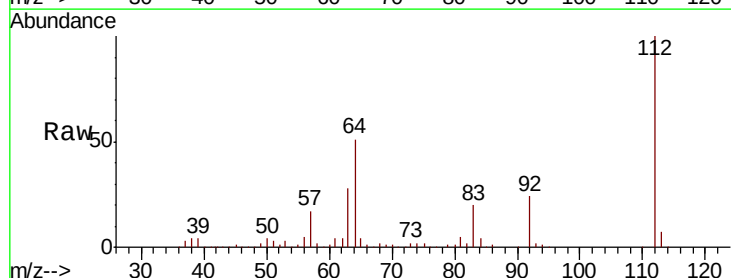
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



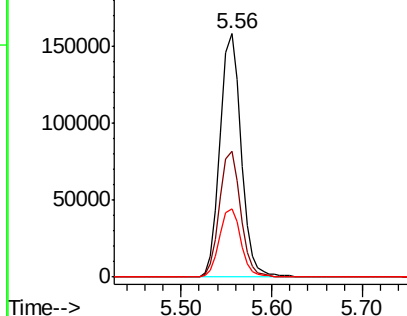
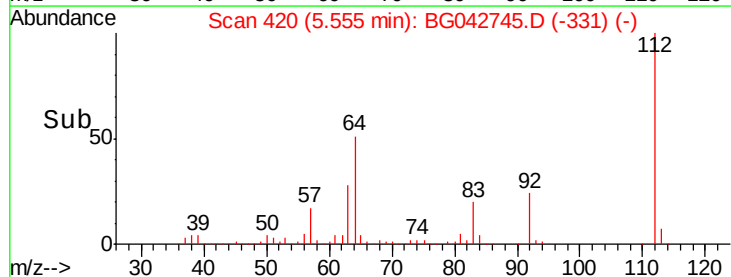
#5

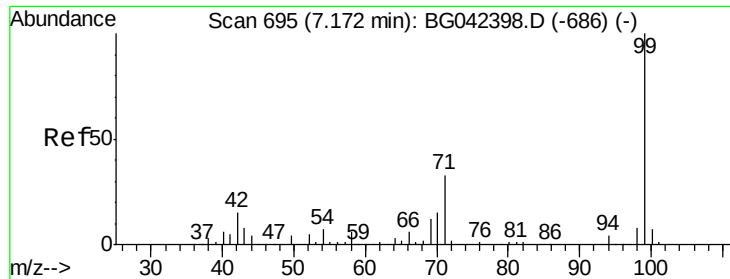
2-Fluorophenol
Concen: 134.237 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Tgt Ion:112 Resp: 256048
Ion Ratio Lower Upper
112 100
64 51.5 42.8 64.2
63 28.1 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: 125.712 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Instrument :

BNA_G

ClientSampled :

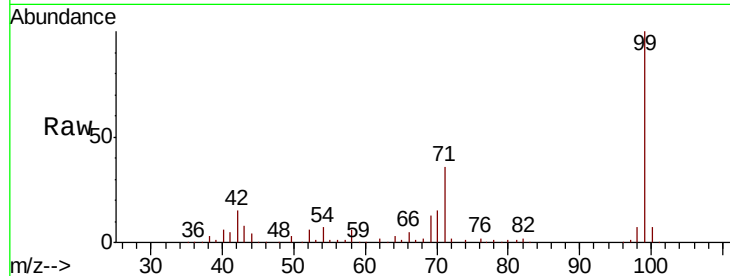
Tot Ion: 99 Resp: 323899

Ion Ratio Lower Upper

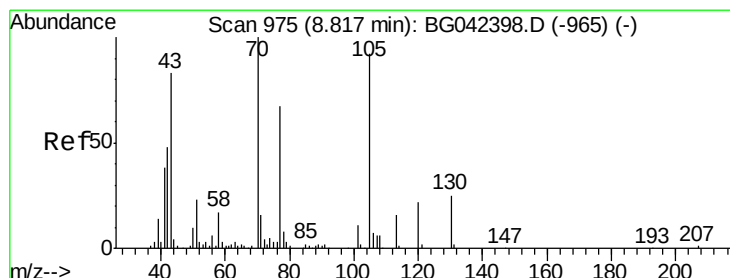
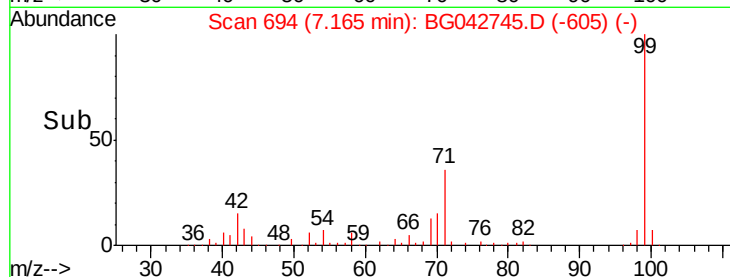
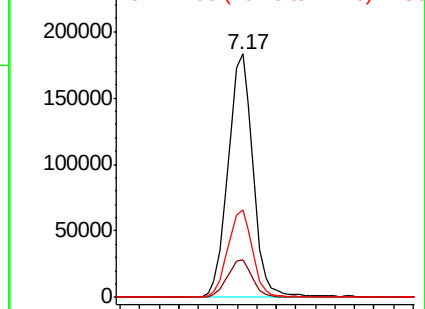
99 100

42 15.3 12.0 18.0

71 35.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.584 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Tgt Ion: 70 Resp: 24344

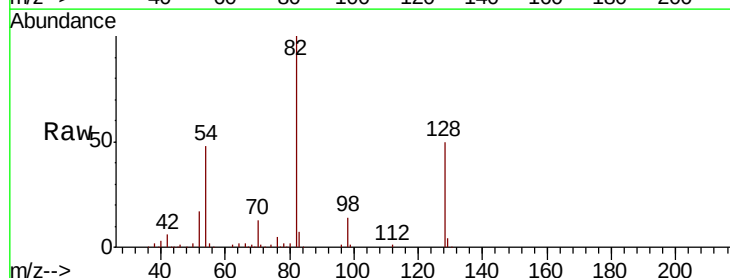
Ion Ratio Lower Upper

70 100

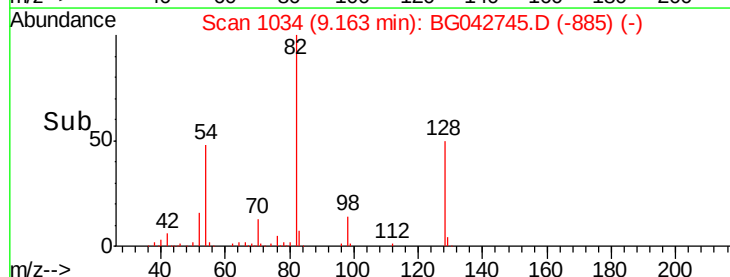
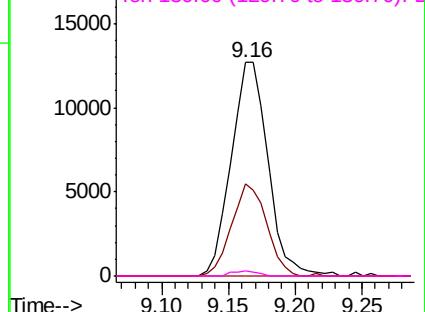
42 42.9 38.8 58.2

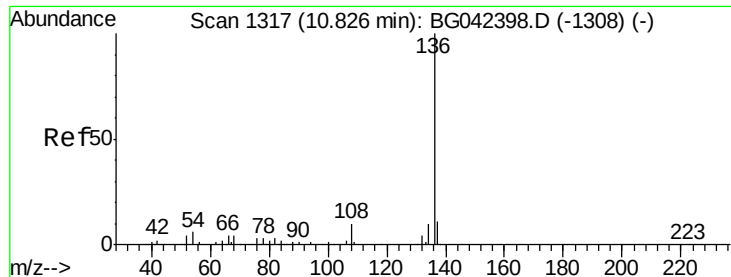
101 0.0 9.0 13.6#

130 2.5 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: BG042745.D

Acq: 6 Sep 2019 8:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 136044

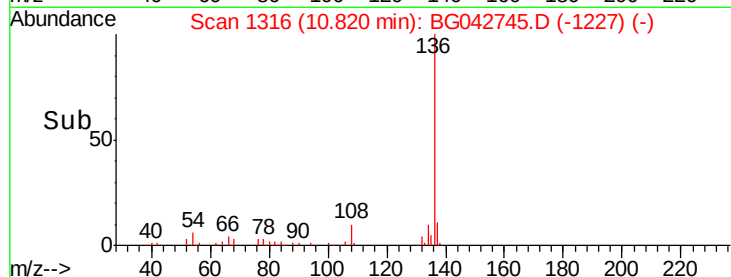
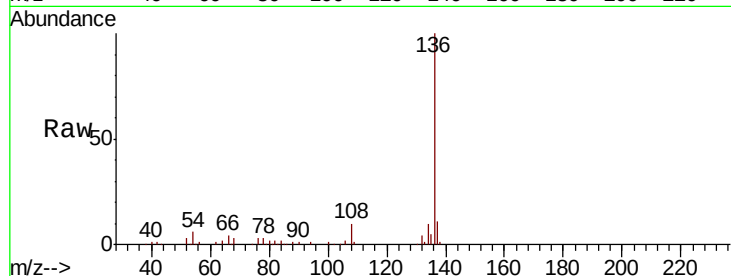
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 5.7 4.9 7.3

68 3.0 3.6 5.4#

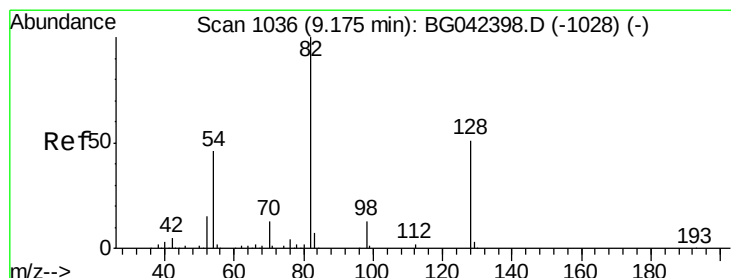
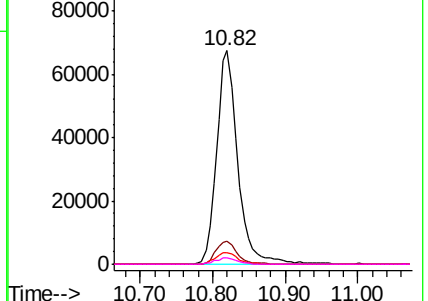


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 94.279 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

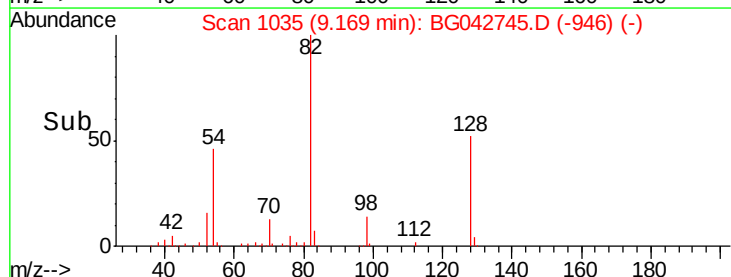
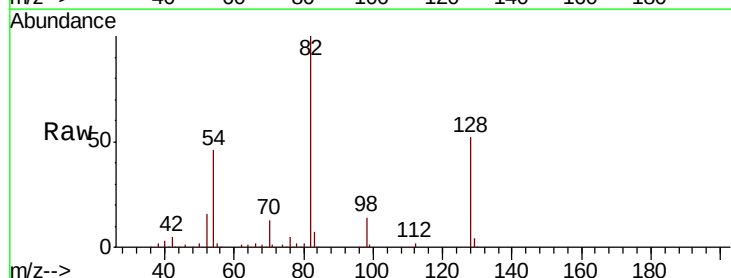
Tgt Ion: 82 Resp: 185605

Ion Ratio Lower Upper

82 100

128 52.5 40.7 61.1

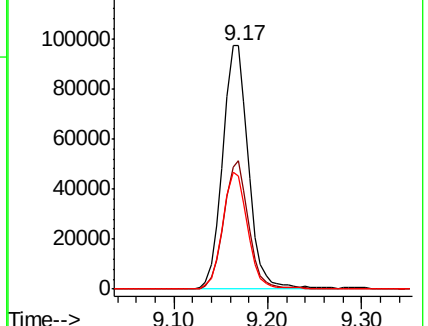
54 46.5 36.3 54.5

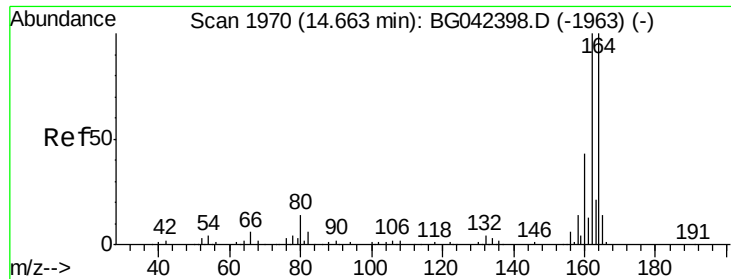


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

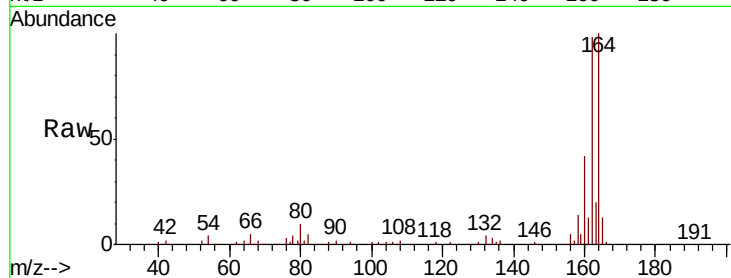
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 89856

Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.9	119.9
160	42.5	34.3	51.5

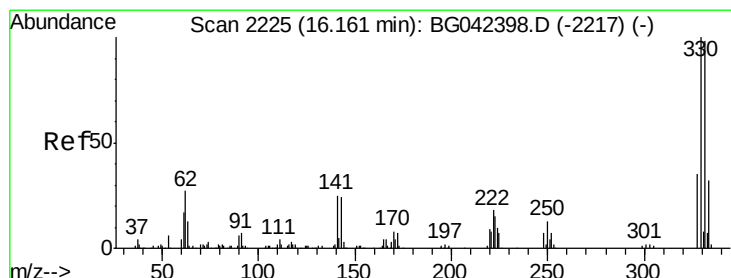
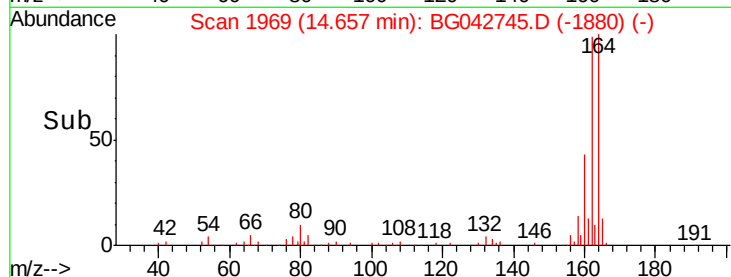
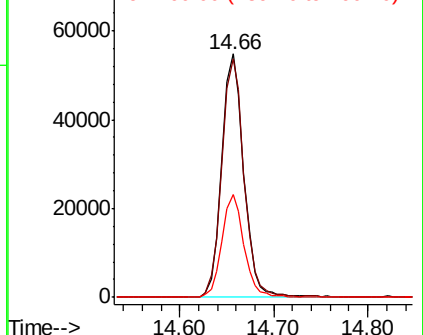


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 142.006 ng

RT: 16.15 min Scan# 2224

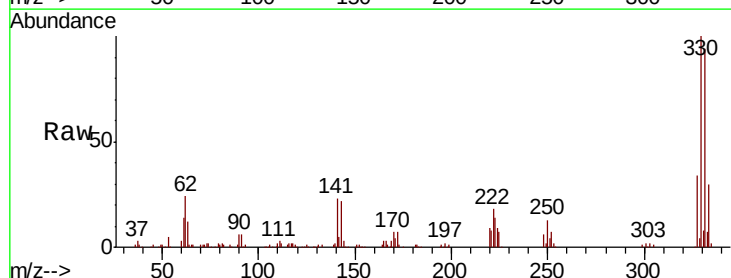
Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Tgt Ion:330 Resp: 181364

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	26.0	21.4	32.0

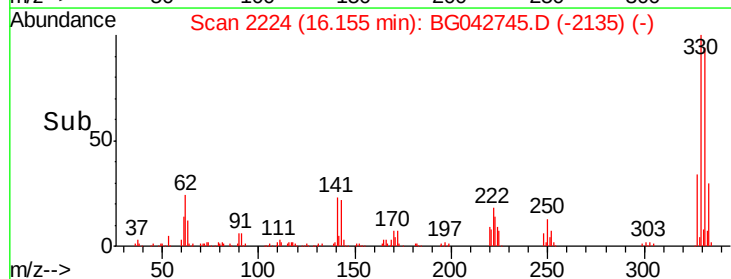
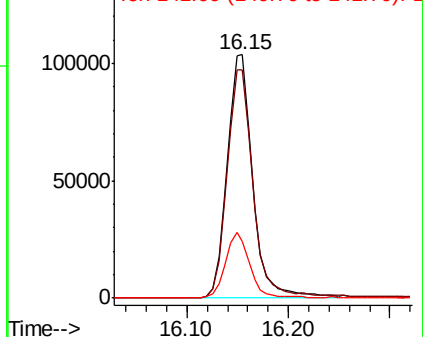


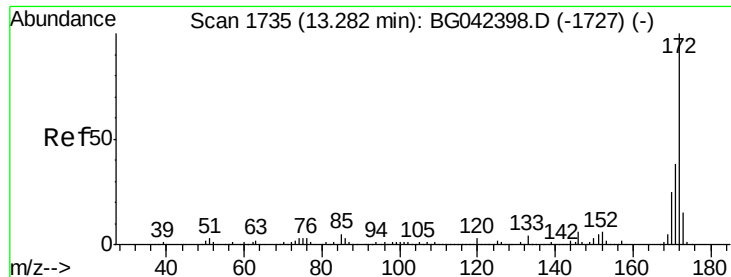
Abundance

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

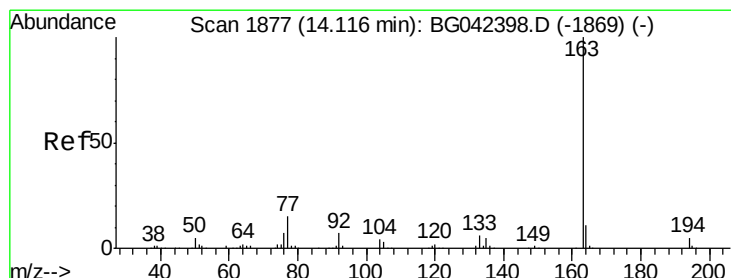
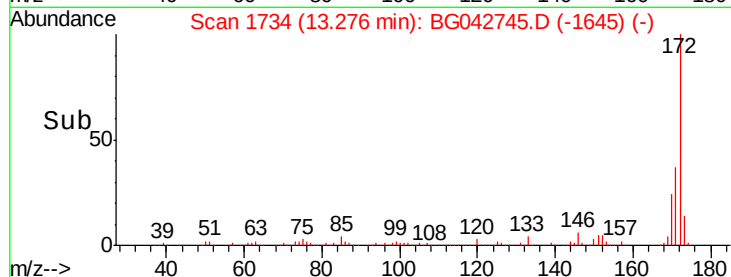
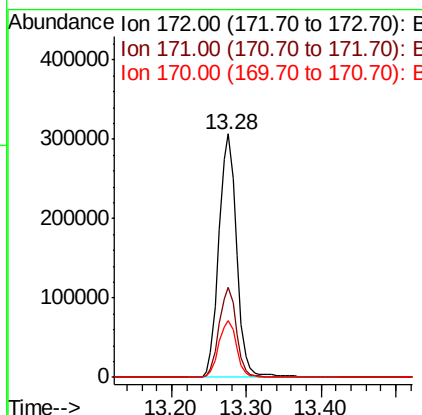
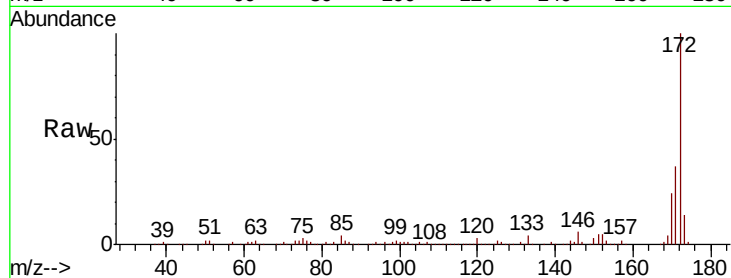




#45
2-Fluorobiphenyl
Concen: 96.112 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

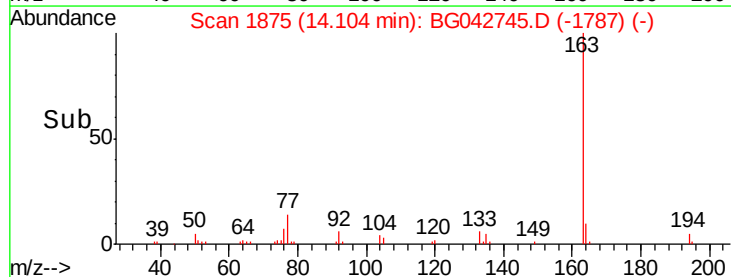
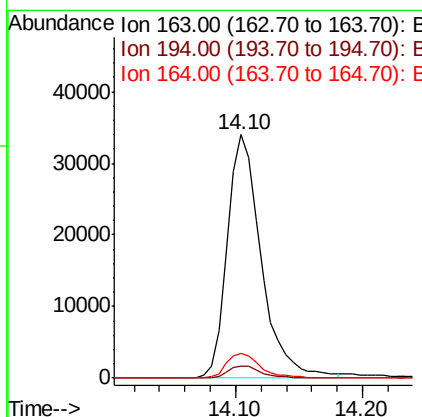
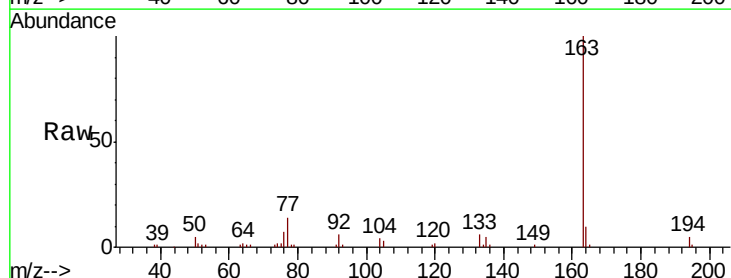
Instrument :
BNA_G
ClientSampleId :

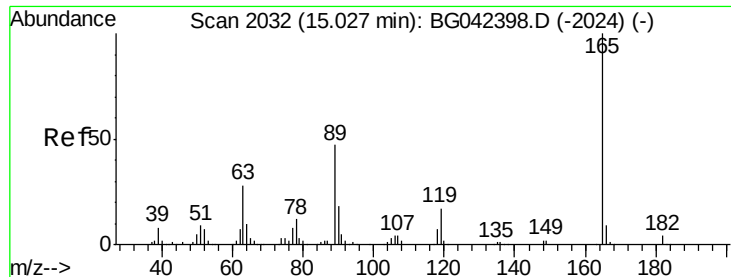
Tot Ion:172 Resp: 510631
Ion Ratio Lower Upper
172 100
171 37.2 30.5 45.7
170 23.6 20.2 30.2



#50
Dimethylphthalate
Concen: 9.722 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Tgt Ion:163 Resp: 63033
Ion Ratio Lower Upper
163 100
194 4.7 4.2 6.2
164 10.2 8.8 13.2

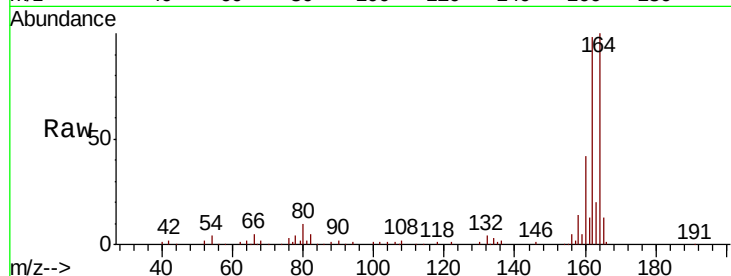




#57
 2,4-Dinitrotoluene
 Concen: 5.338 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042745.D
 Acq: 6 Sep 2019 8:08

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#

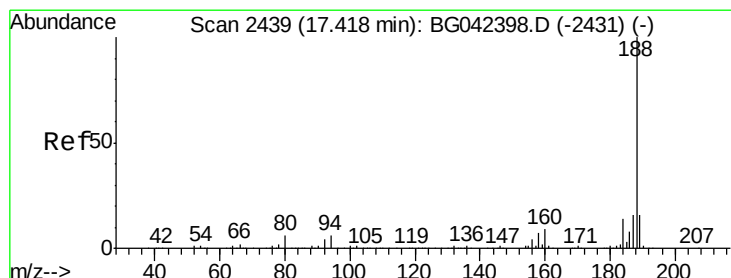
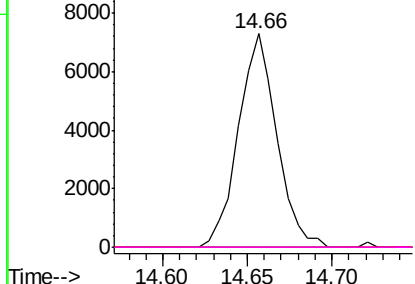
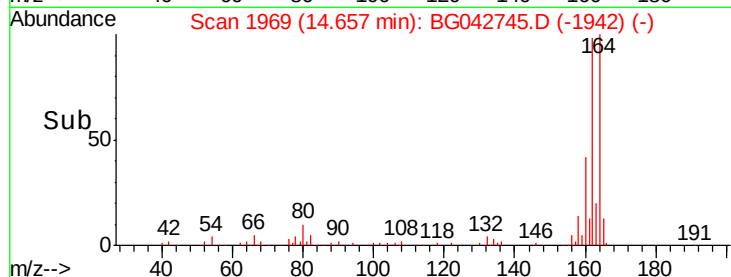


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

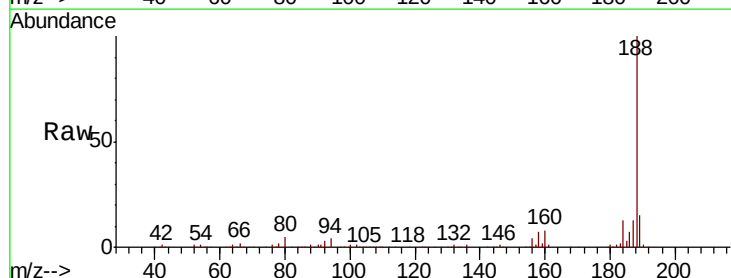
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042745.D
 Acq: 6 Sep 2019 8:08

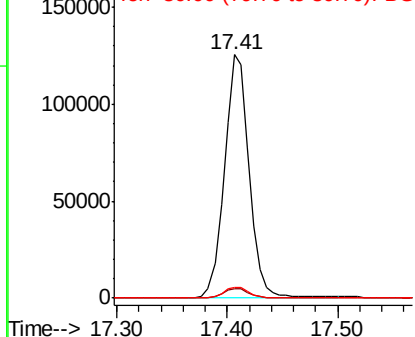
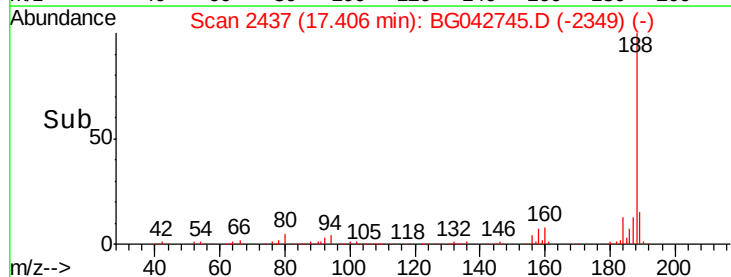
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	4.5	6.7#
80	4.6	4.9	7.3#

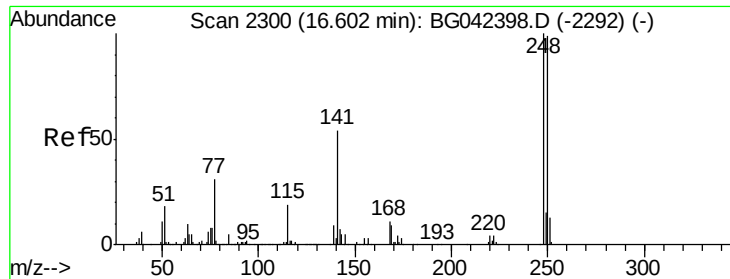


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

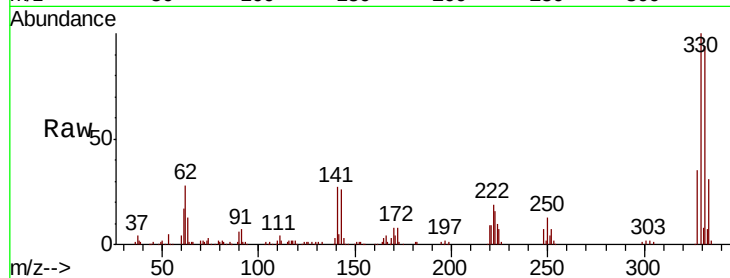




#67
 4-Bromophenyl-phenylether
 Concen: 4.840 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042745.D
 Acq: 6 Sep 2019 8:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	187.1	78.9	118.3#
141	376.7	43.3	64.9#

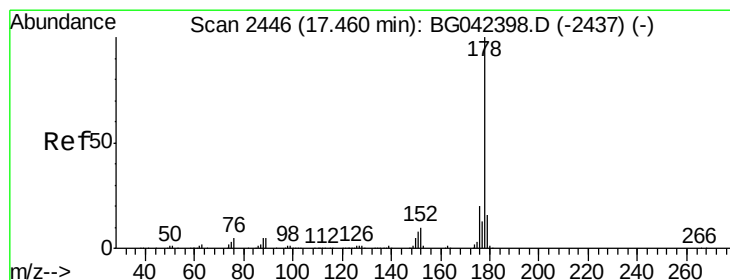
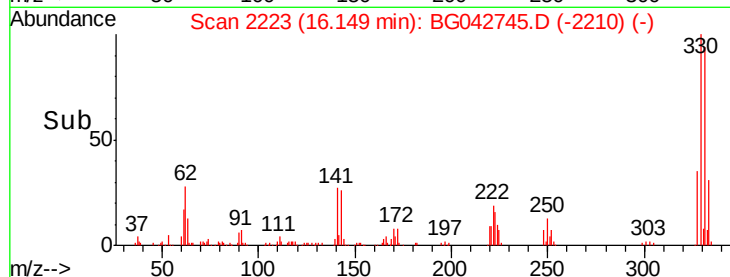
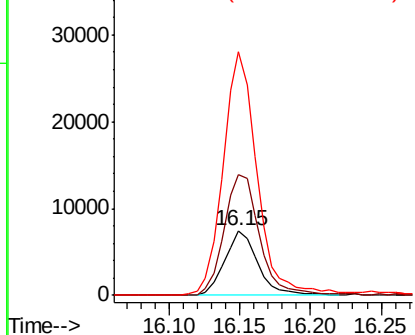


Abundance

Ion 248.00 (247.70 to 248.70): E

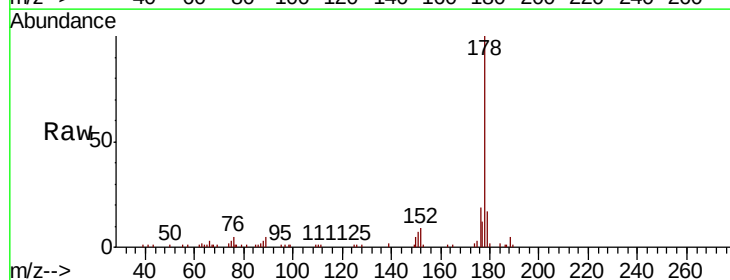
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 4.705 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042745.D
 Acq: 6 Sep 2019 8:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	16.6	12.7	19.1

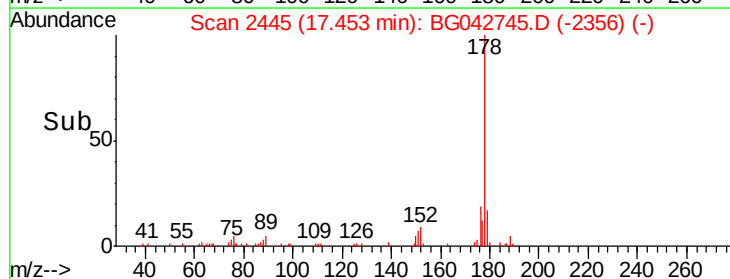
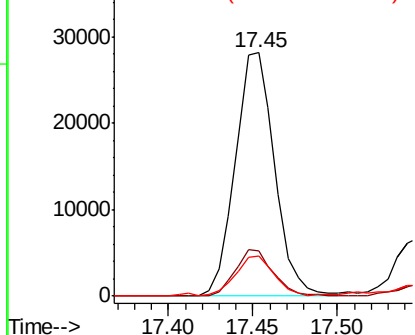


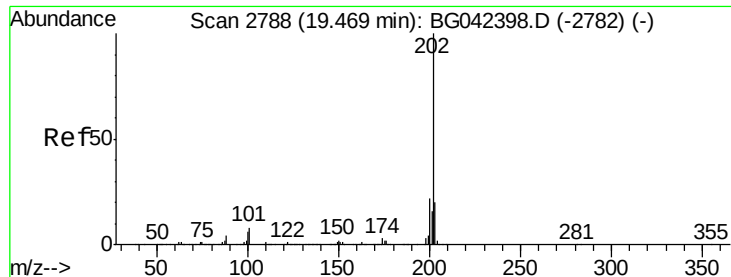
Abundance

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: 7.123 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Instrument :

BNA_G

ClientSampleId :

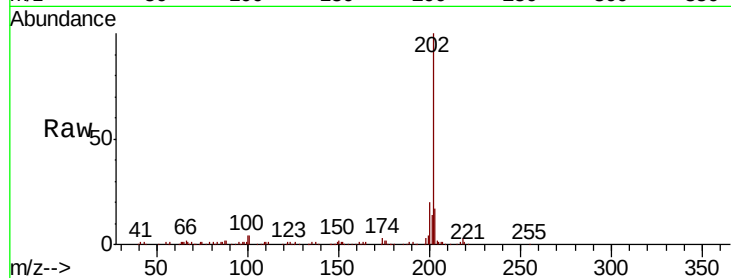
Tot Ion:202 Resp: 84565

Ion Ratio Lower Upper

202 100

101 4.3 0.0 28.3

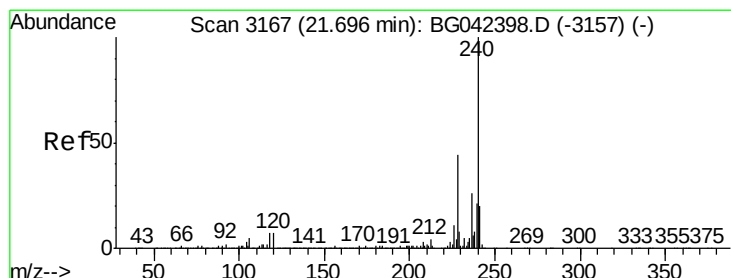
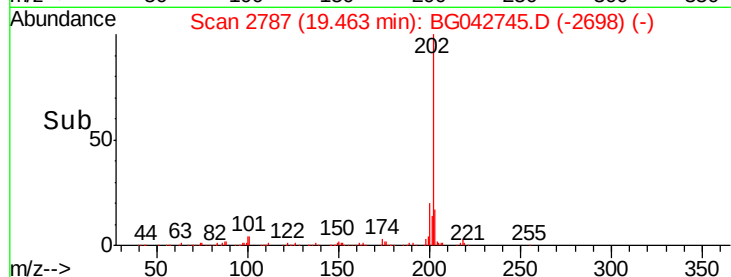
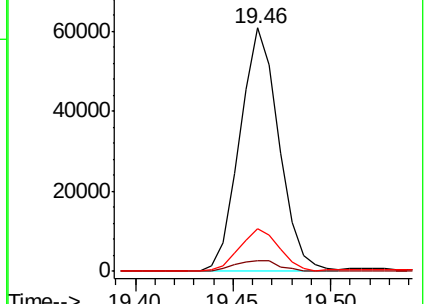
203 17.4 0.0 39.6



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: BG042745.D

Acq: 6 Sep 2019 8:08

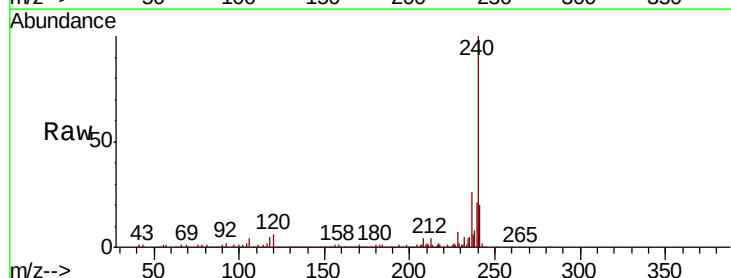
Tgt Ion:240 Resp: 228000

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

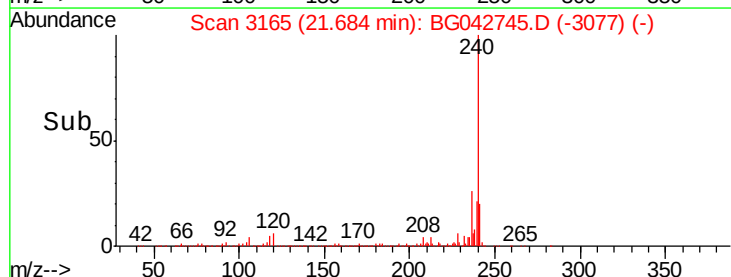
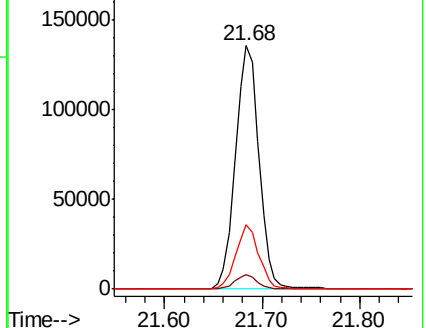
236 26.4 21.0 31.4

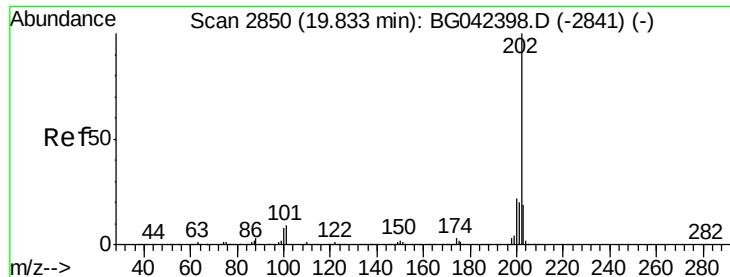


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

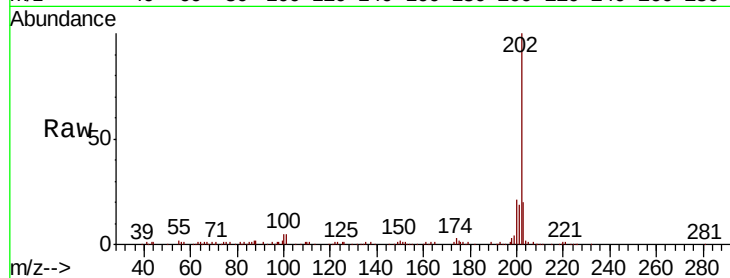




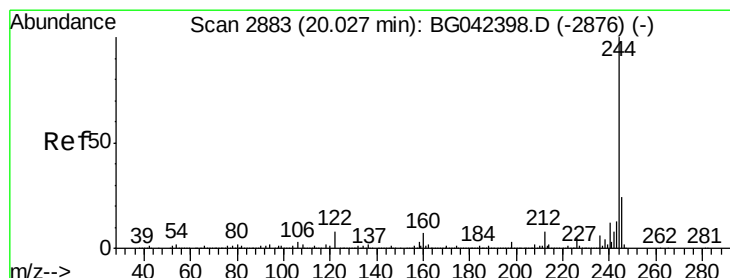
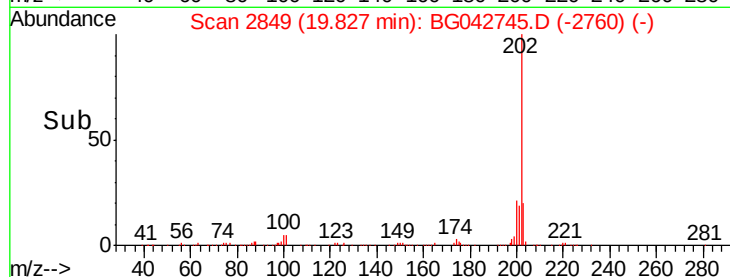
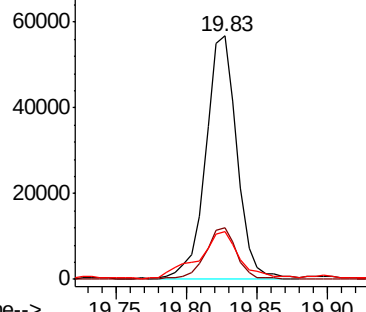
#78
Pvrene
Concen: 6.327 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 88438
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 19.6 15.5 23.3

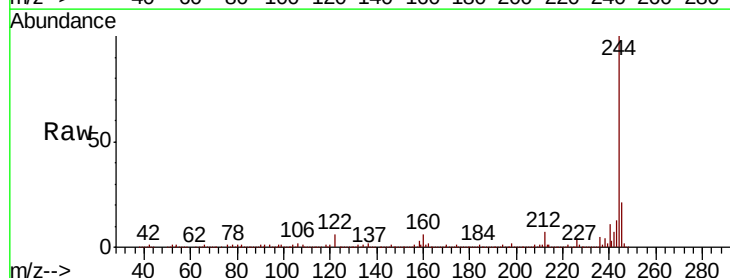


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

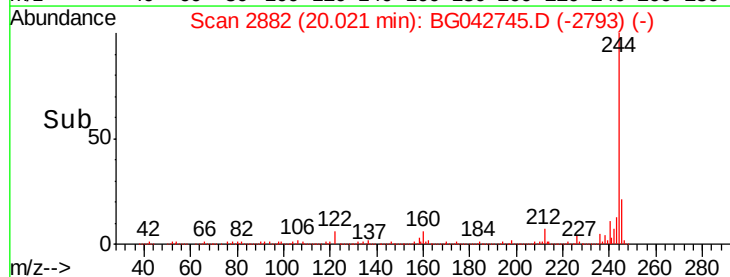
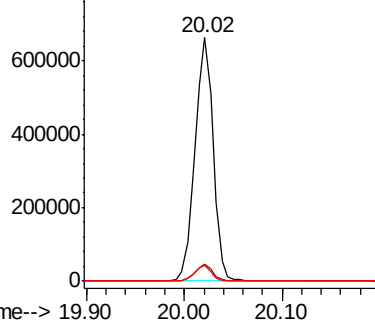


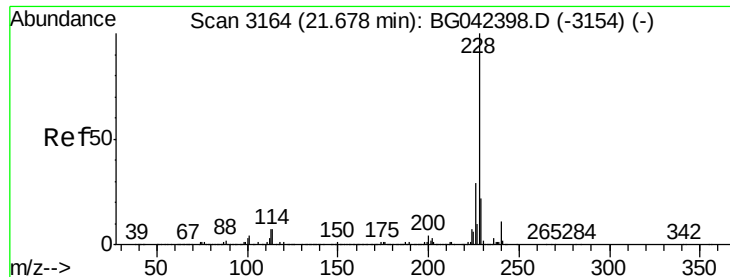
#79
Terphenyl-d14
Concen: 81.289 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Tgt Ion:244 Resp: 857288
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 6.3 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: 3.926 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042745.D

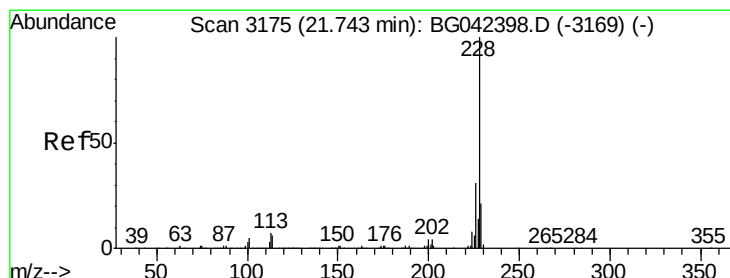
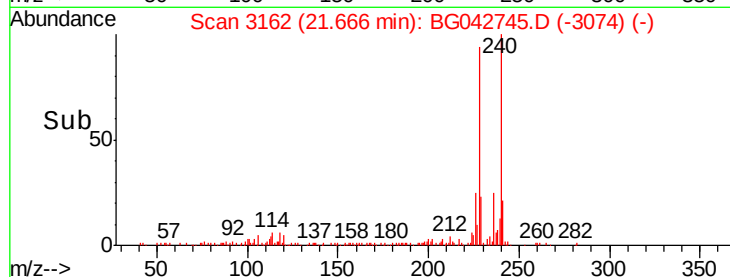
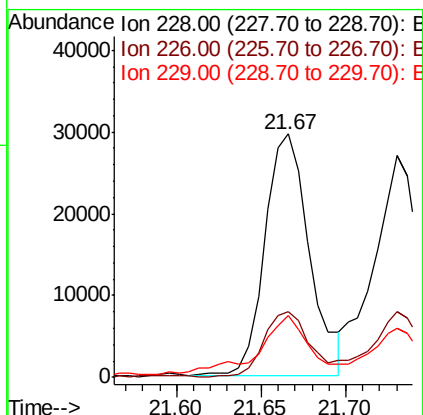
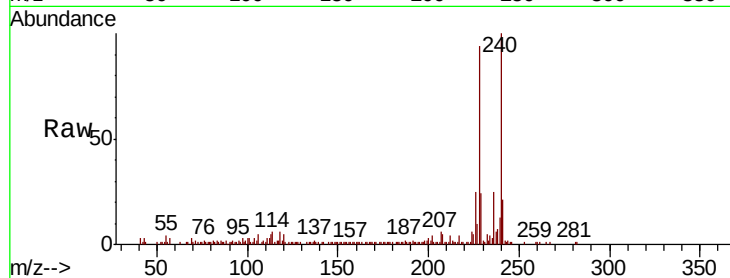
Acq: 6 Sep 2019 8:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:228	Resp:	54457
Ion Ratio	Lower	Upper
228	100	
226	26.9	23.4 35.2
229	25.5	17.4 26.2



#83

Chrysene

Concen: 3.775 ng

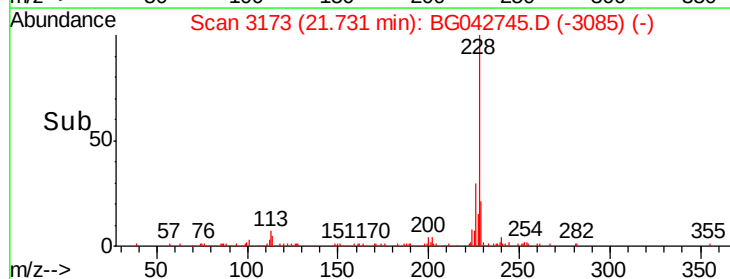
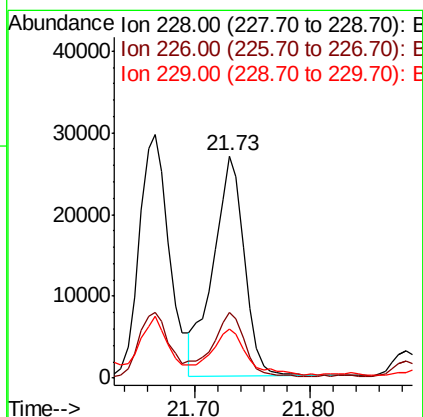
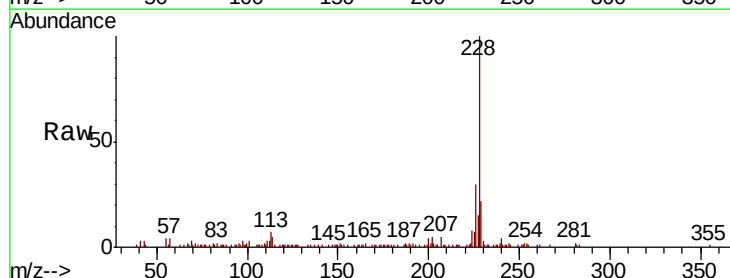
RT: 21.73 min Scan# 3173

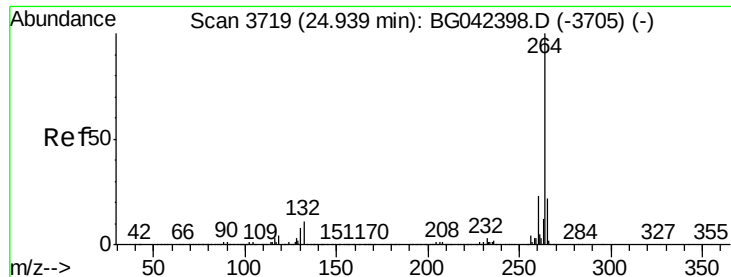
Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Tgt Ion:228	Resp:	50498
Ion Ratio	Lower	Upper
228	100	
226	29.7	24.9 37.3
229	22.1	16.9 25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

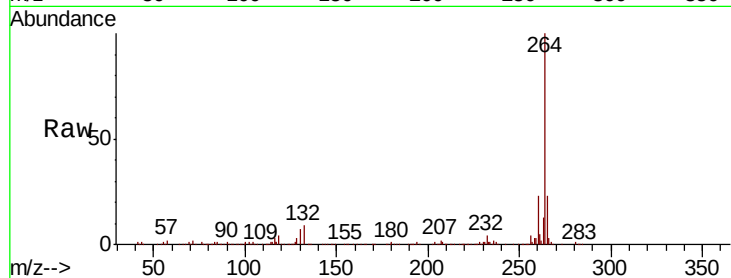
Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 273235

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	23.3	17.6	26.4

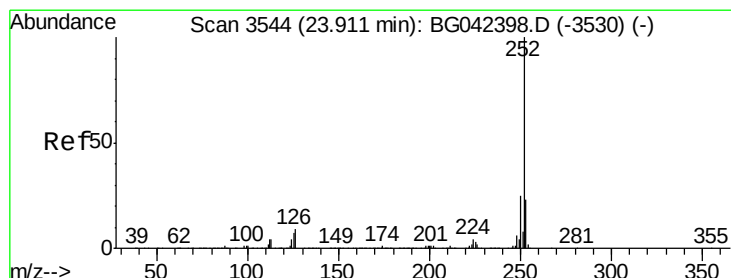
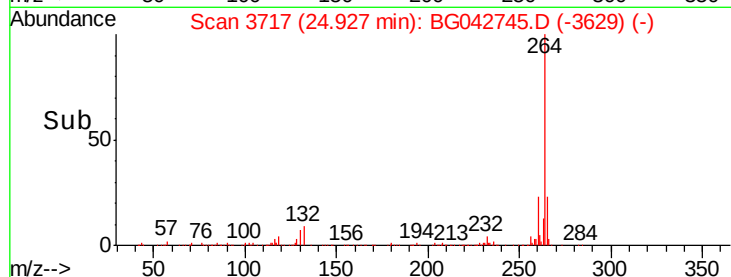
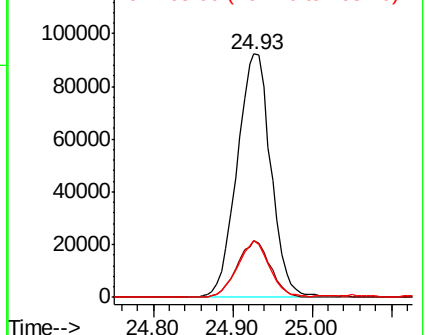


Abundance

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: 4.558 ng

RT: 23.90 min Scan# 3542

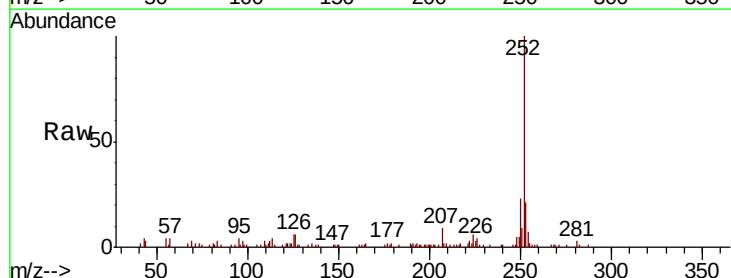
Delta R.T. -0.01 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Tgt Ion:252 Resp: 68467

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.6	27.8
125	6.4	5.6	8.4

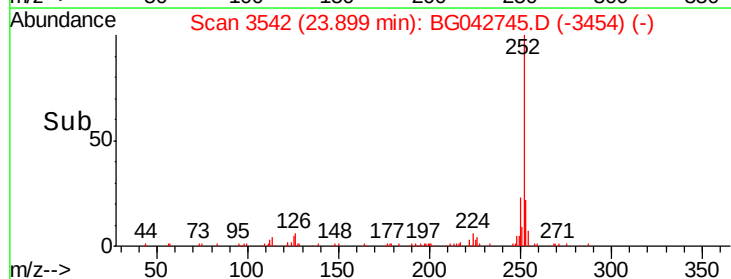
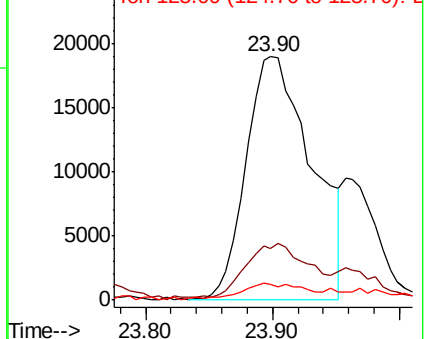


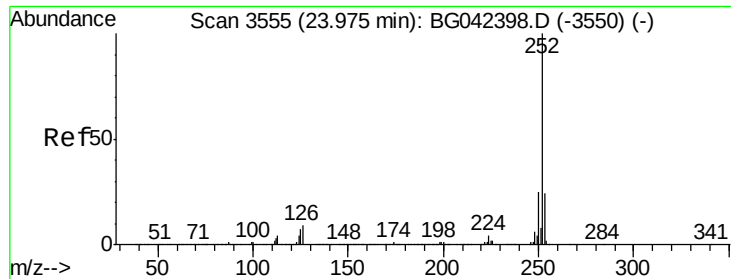
Abundance

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

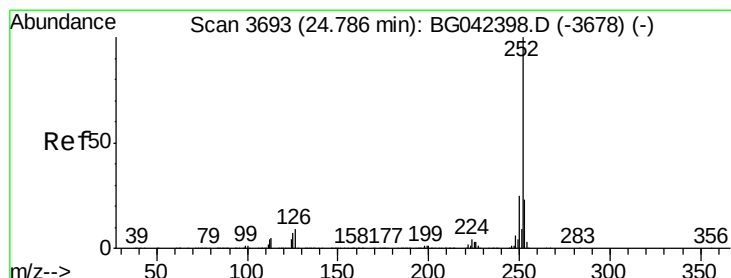
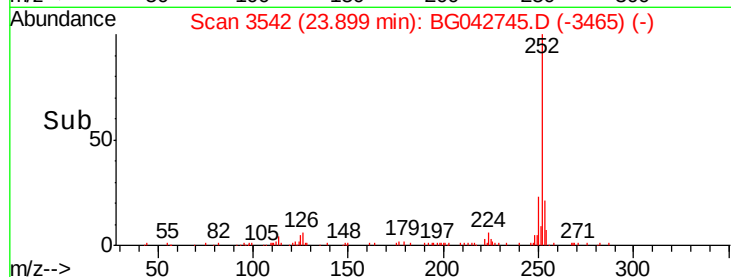
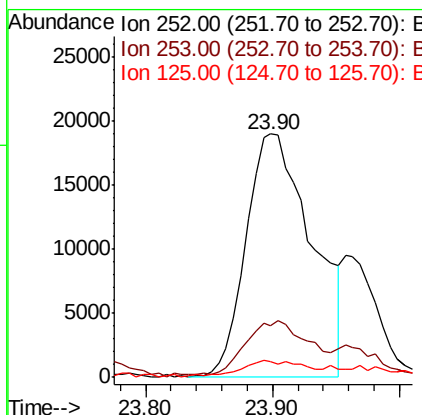
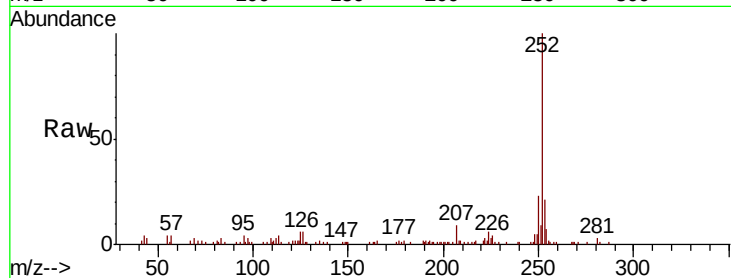




#89
Benzo(k)fluoranthene
Concen: 4.742 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.08 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

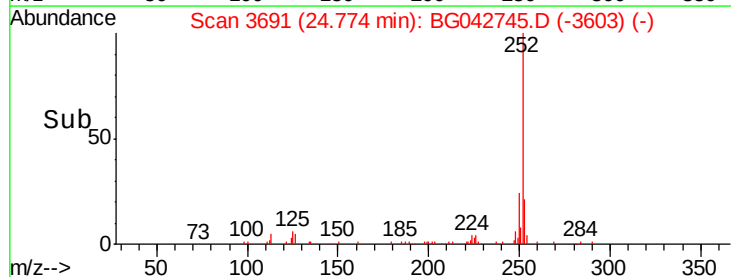
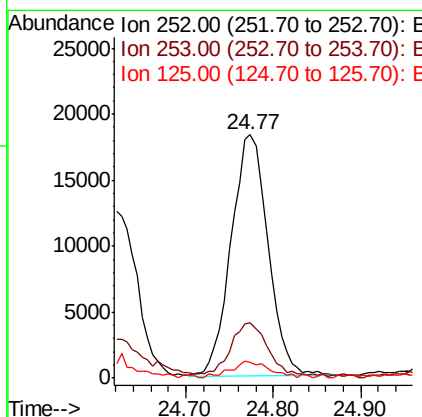
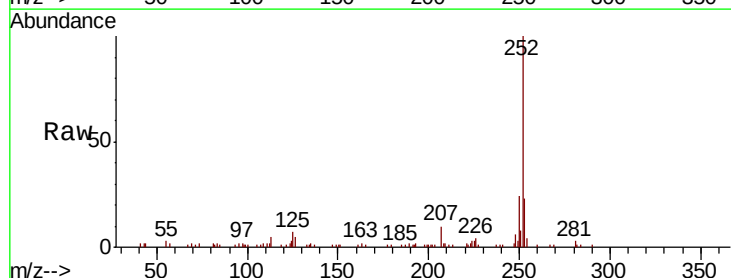
Instrument :
BNA_G
ClientSampleId :

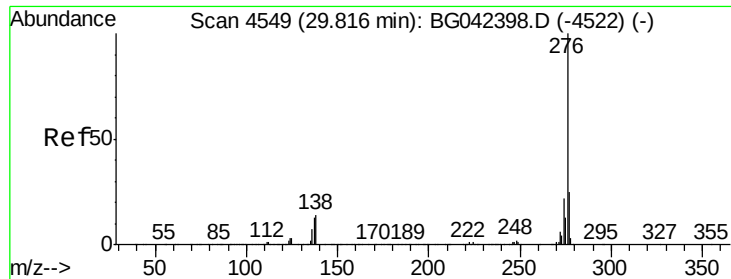
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.6	27.8
125	6.4	5.8	8.6



#90
Benzo(a)pyrene
Concen: 3.697 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042745.D
Acq: 6 Sep 2019 8:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	6.5	6.0	9.0





#92

Benzo(a,h,i)perylene

Concen: 2.316 ng

RT: 29.79 min Scan# 4545

Delta R.T. -0.02 min

Lab File: BG042745.D

Acq: 6 Sep 2019 8:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 33437

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 16.7 11.4 17.0

