

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043739.D
 Acq On : 20 Nov 2019 22:23
 Operator : JU
 Sample : K5904-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 13-(0-2)

Quant Time: Nov 21 01:20:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

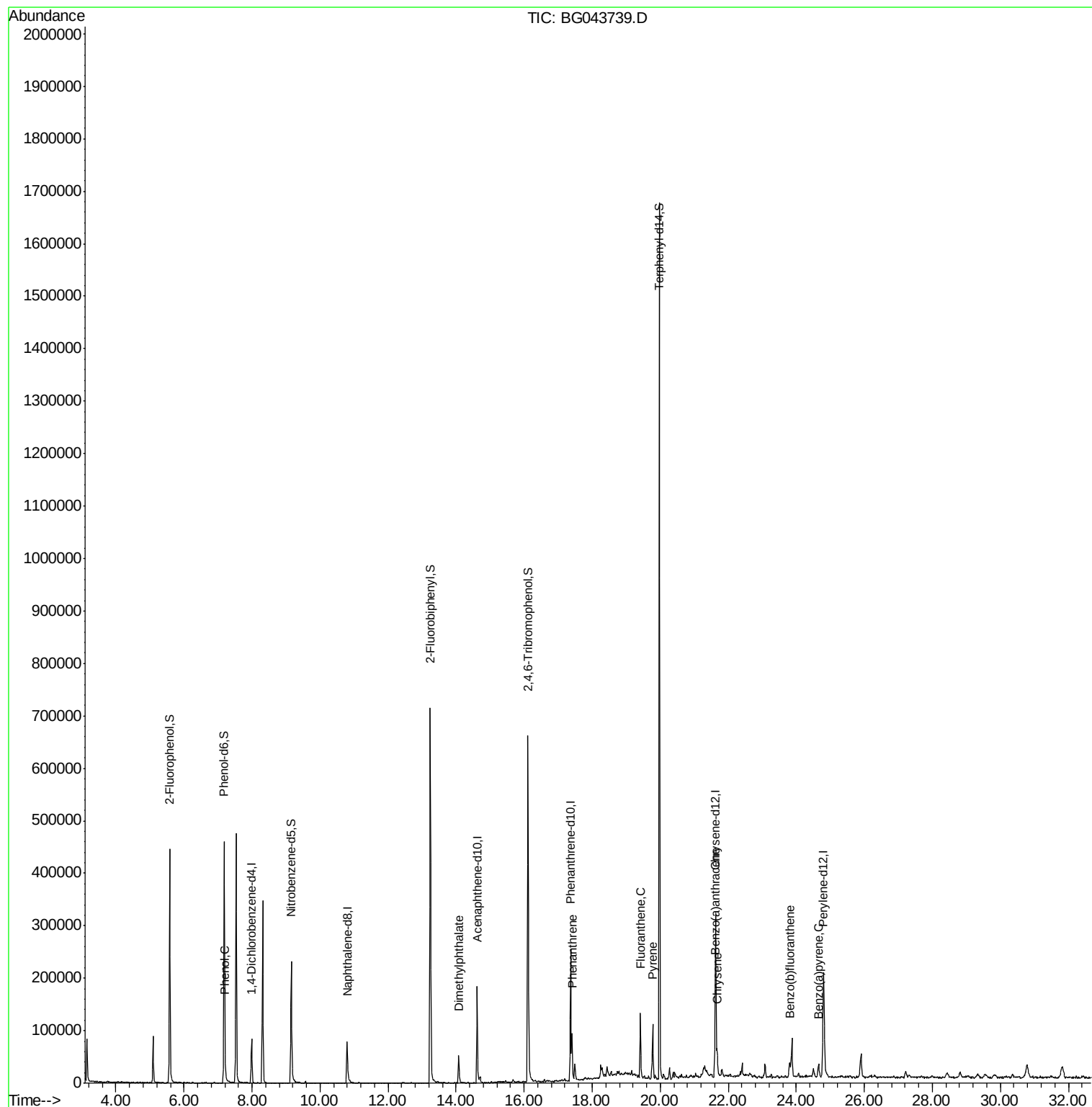
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	24821	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	92774	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	71013	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	185882	20.00	ng	0.00
76) Chrysene-d12	21.63	240	193837	20.00	ng	0.00
87) Perylene-d12	24.80	264	225137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	205252	151.53	ng	0.00
7) Phenol-d6	7.18	99	283901	145.68	ng	0.00
23) Nitrobenzene-d5	9.15	82	164824	91.59	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	165156	122.21	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	425147	82.73	ng	0.00
79) Terphenyl-d14	19.97	244	890525	86.19	ng	0.00
Target Compounds						
10) Phenol	7.21	94	10863	6.100	ng	91
50) Dimethylphthalate	14.07	163	46579	8.468	ng	# 98
71) Phenanthrene	17.41	178	58499	6.146	ng	# 96
75) Fluoranthene	19.42	202	87111	7.020	ng	99
78) Pyrene	19.78	202	73480	6.124	ng	99
81) Benzo(a)anthracene	21.61	228	38929	3.206	ng	94
83) Chrysene	21.67	228	34440	2.855	ng	97
88) Benzo(b)fluoranthene	23.80	252	45866	3.597	ng	92
90) Benzo(a)pyrene	24.66	252	33936	2.787	ng	# 96

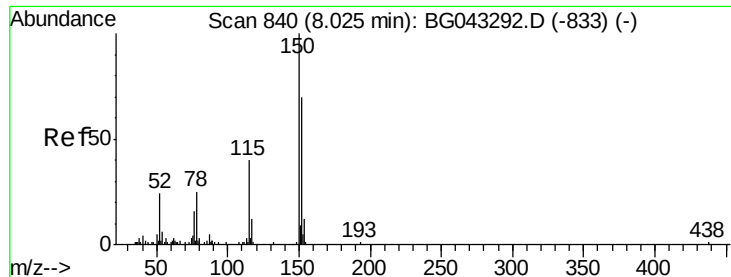
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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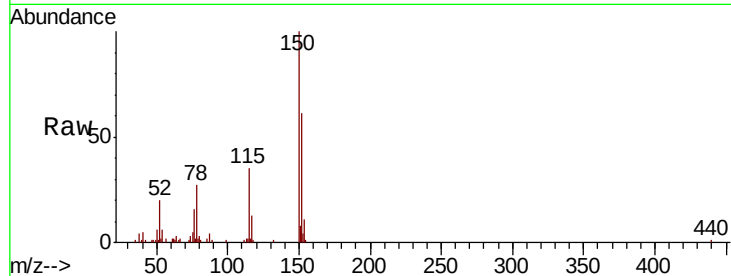


#1

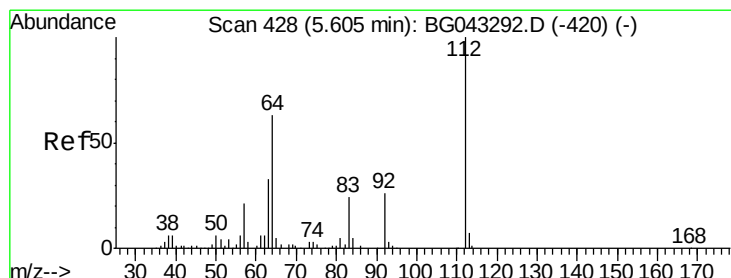
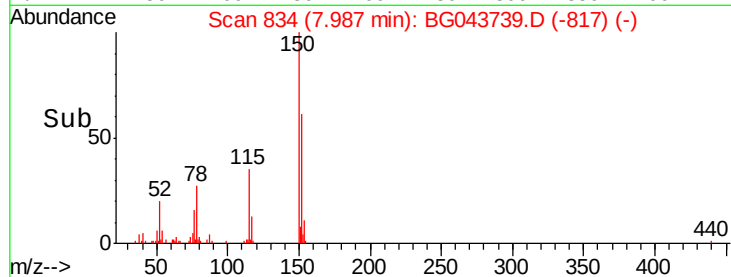
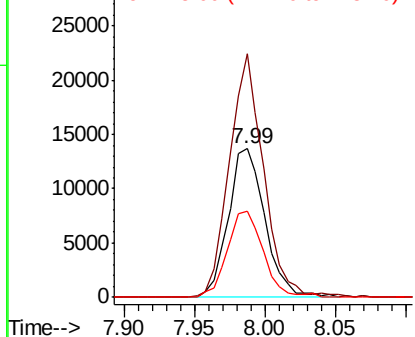
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Instrument :
BNA_G
ClientSampleId :
13-(0-2)

Tot Ion:152 Resp: 24821
Ion Ratio Lower Upper
152 100
150 164.2 116.6 175.0
115 57.9 40.5 60.7



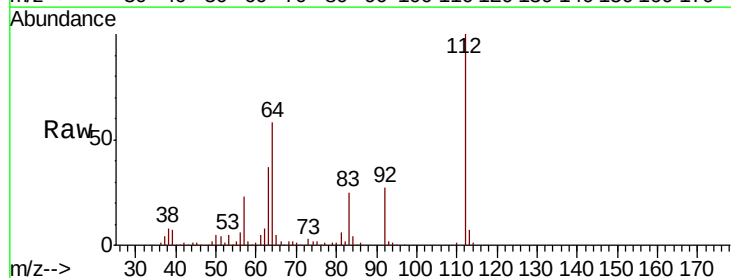
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



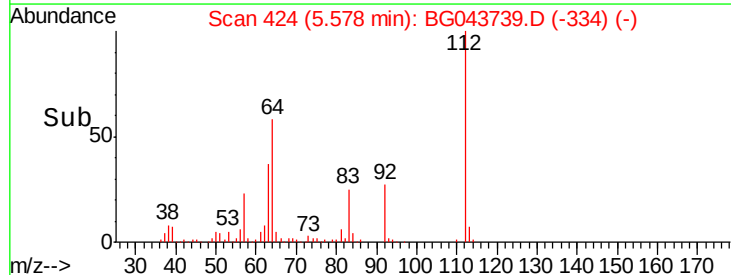
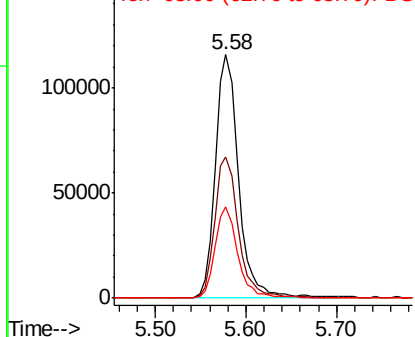
#5

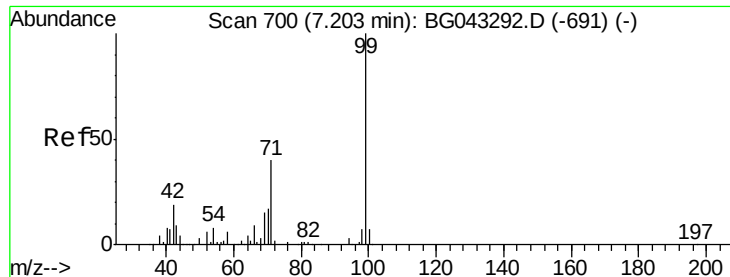
2-Fluorophenol
Concen: 151.530 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion:112 Resp: 205252
Ion Ratio Lower Upper
112 100
64 58.1 50.6 75.8
63 37.4 30.5 45.7



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: 145.676 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

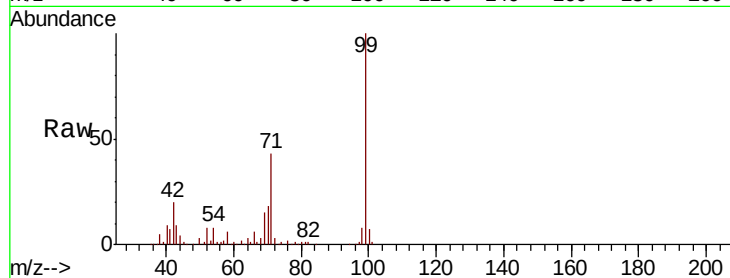
Tot Ion: 99 Resp: 283901

Ion Ratio Lower Upper

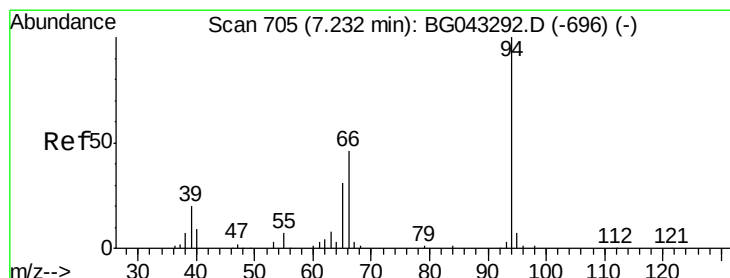
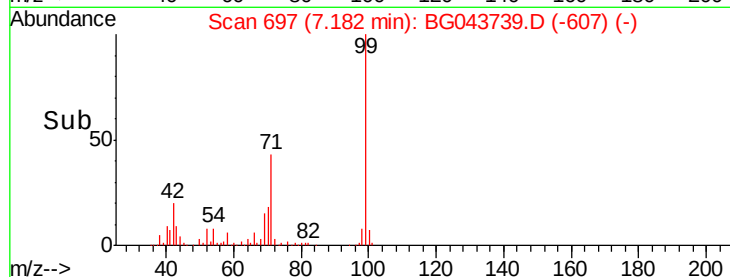
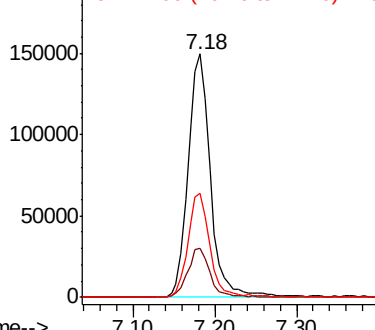
99 100

42 20.3 15.8 23.8

71 42.7 34.4 51.6



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: 6.100 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

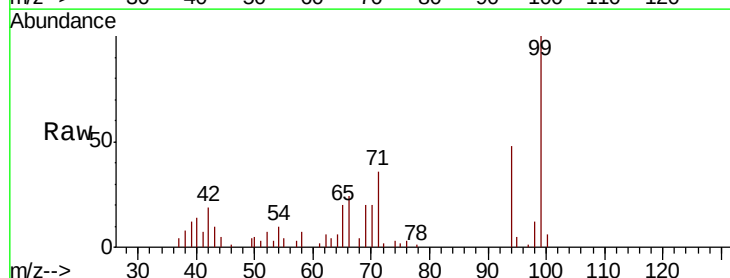
Tgt Ion: 94 Resp: 10863

Ion Ratio Lower Upper

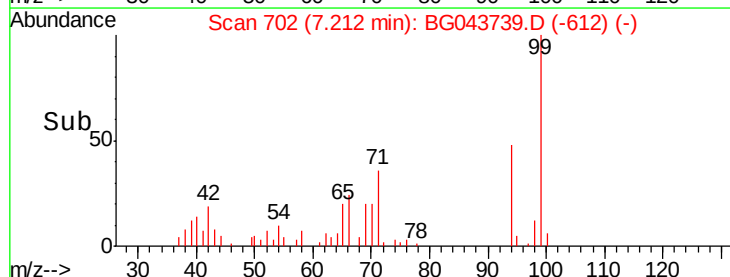
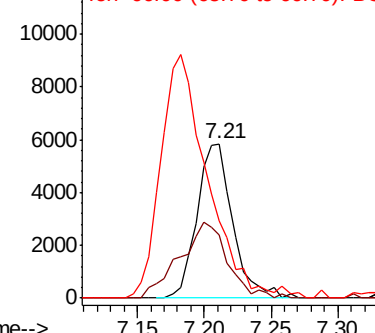
94 100

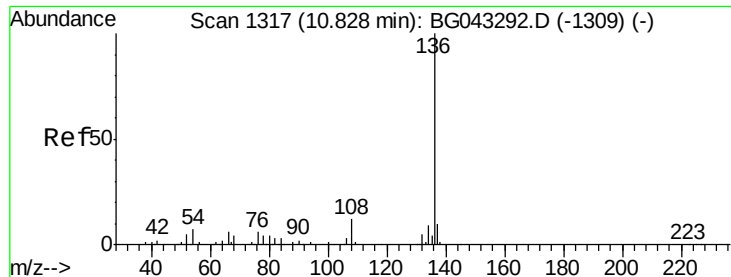
65 41.3 11.4 51.4

66 50.1 28.4 68.4



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

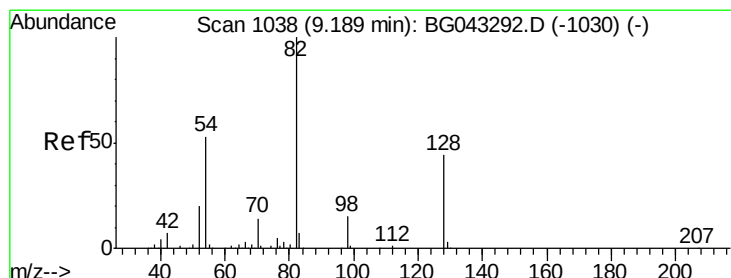
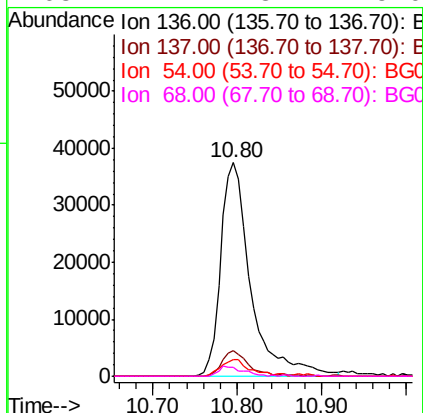
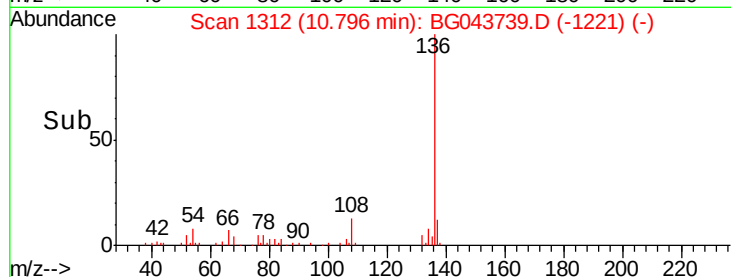
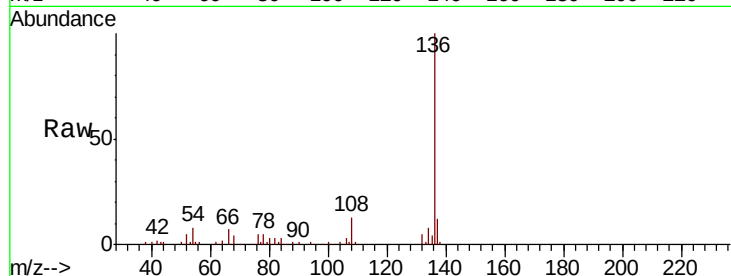




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

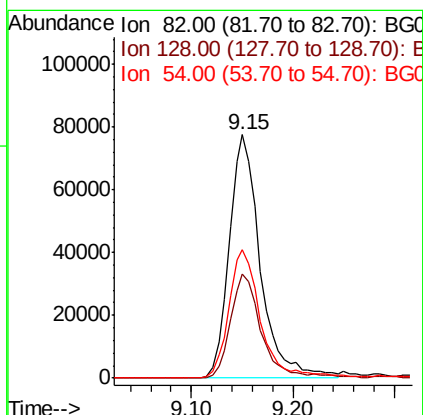
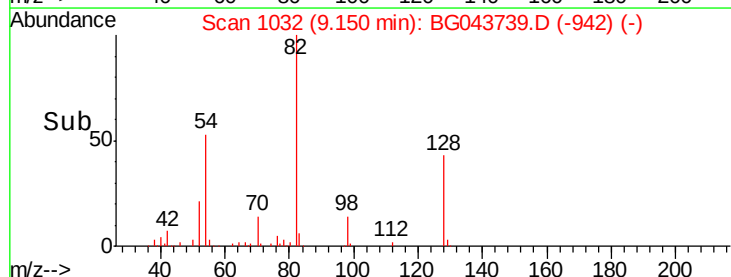
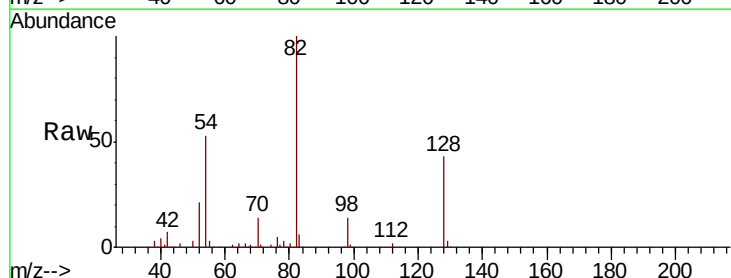
Instrument :
BNA_G
ClientSampleId :
13-(0-2)

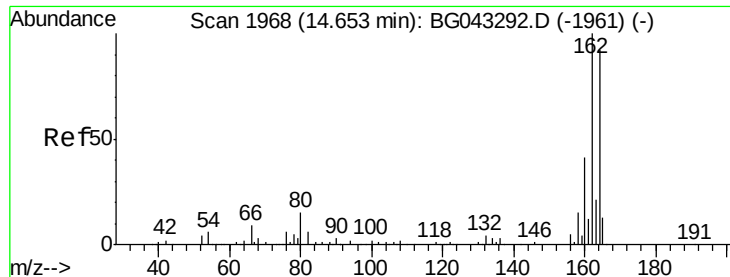
Tot Ion:136	Resp:	92774
Ion	Ratio	Lower Upper
136	100	
137	12.2	8.8 13.2
54	7.8	6.2 9.2
68	4.2	3.4 5.0



#23
Nitrobenzene-d5
Concen: 91.593 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion: 82	Resp:	164824
Ion	Ratio	Lower Upper
82	100	
128	42.7	34.2 51.4
54	52.7	44.7 67.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

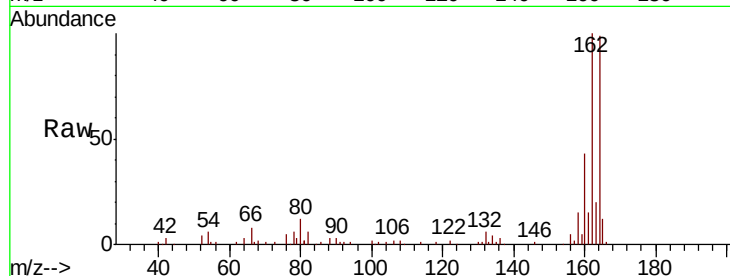
Tot Ion:164 Resp: 71013

Ion Ratio Lower Upper

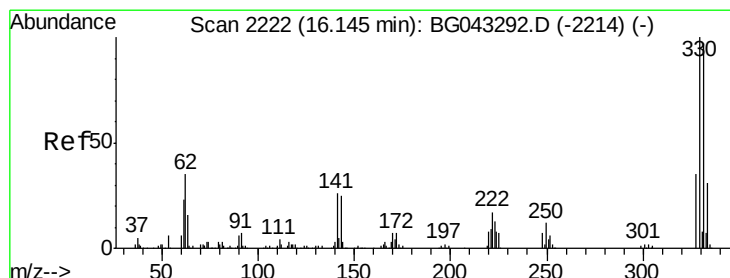
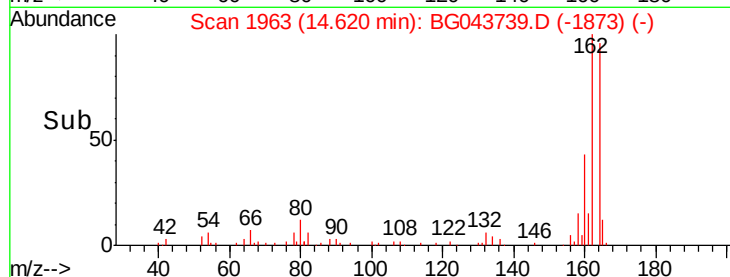
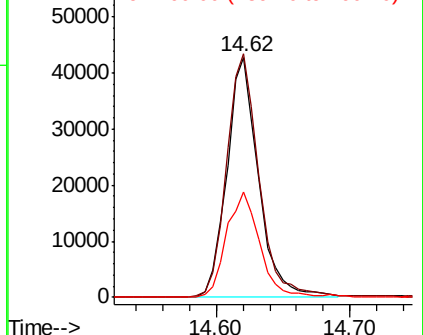
164 100

162 101.4 79.4 119.2

160 43.7 36.3 54.5



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: 122.213 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

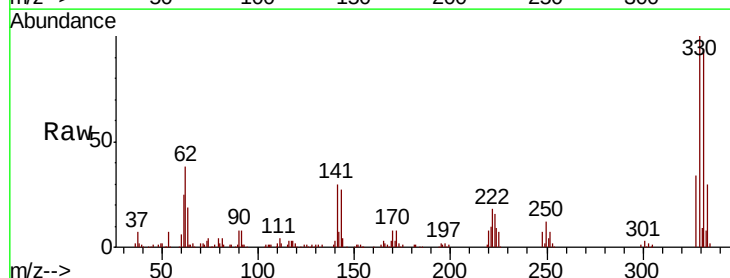
Tgt Ion:330 Resp: 165156

Ion Ratio Lower Upper

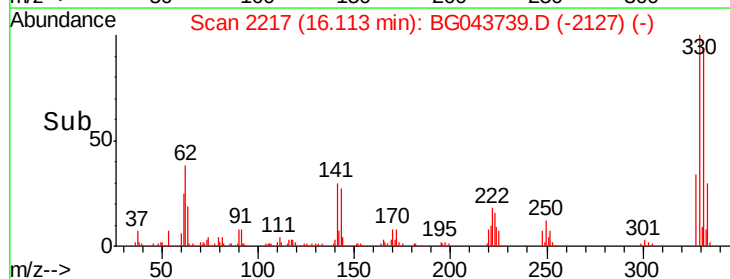
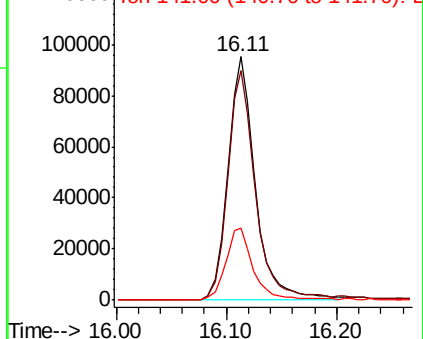
330 100

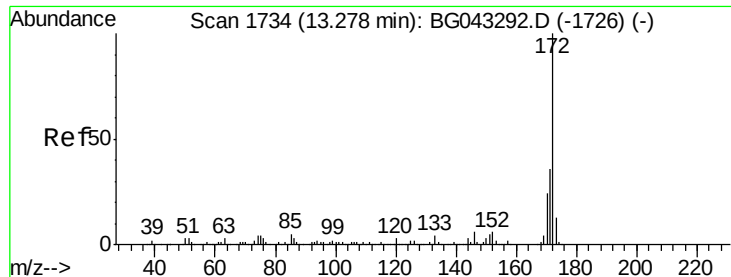
332 97.3 76.6 115.0

141 29.1 23.4 35.2



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

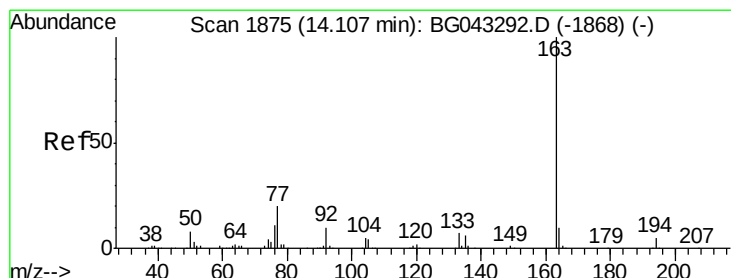
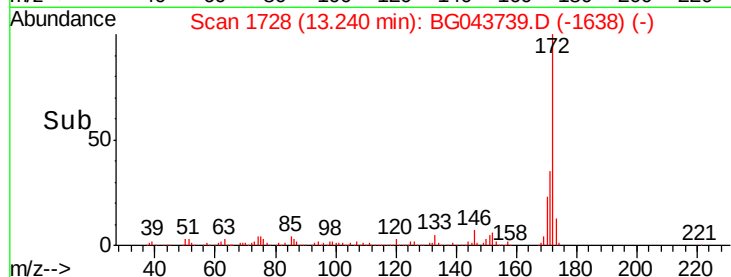
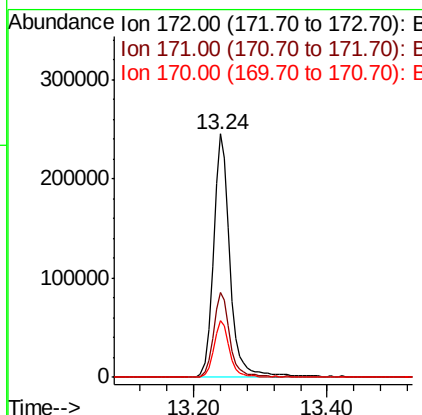
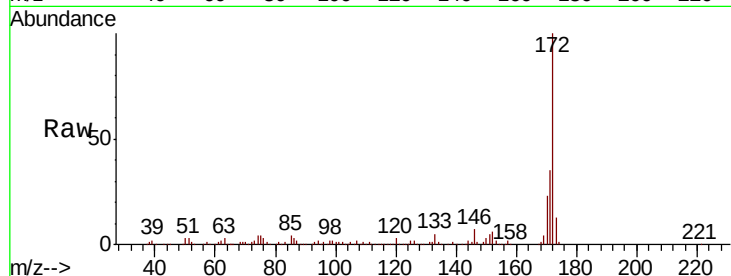




#45
2-Fluorobiphenyl
Concen: 82.727 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

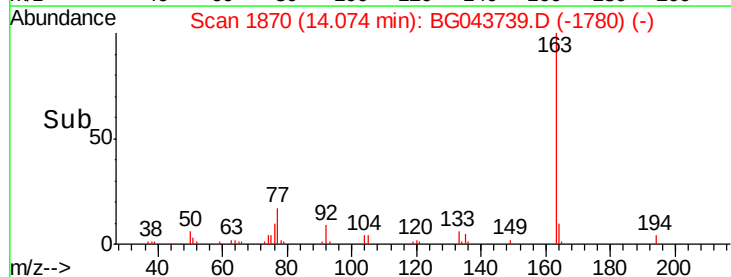
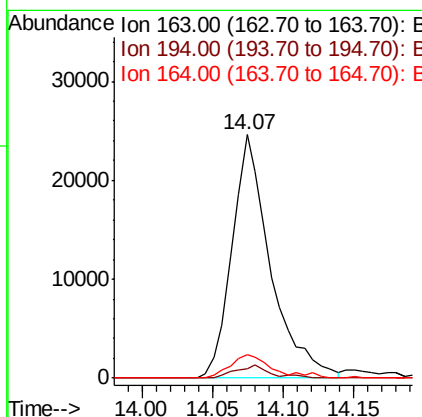
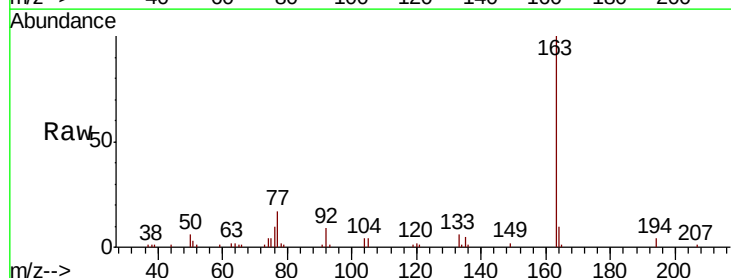
Instrument :
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ClientSampleId :
13-(0-2)

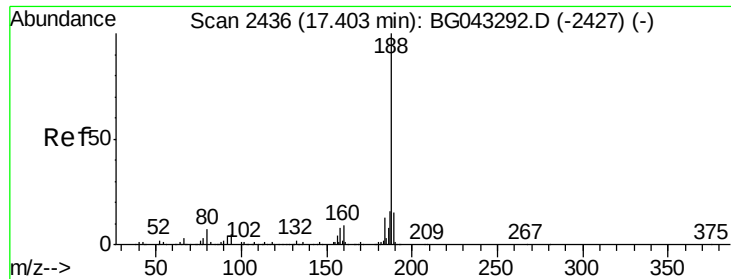
Tot Ion:172 Resp: 425147
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.5 18.8 28.2



#50
Dimethylphthalate
Concen: 8.468 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion:163 Resp: 46579
Ion Ratio Lower Upper
163 100
194 3.6 3.8 5.8#
164 9.9 8.5 12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

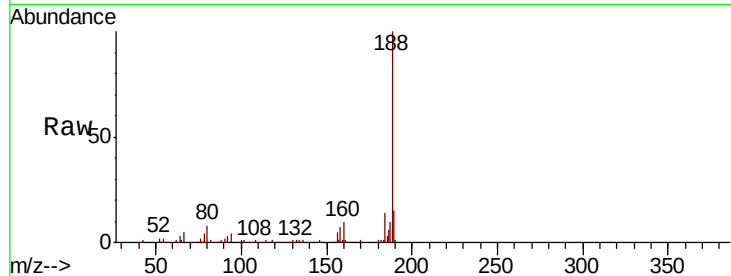
Tot Ion:188 Resp: 185882

Ion Ratio Lower Upper

188 100

94 4.5 4.6 7.0#

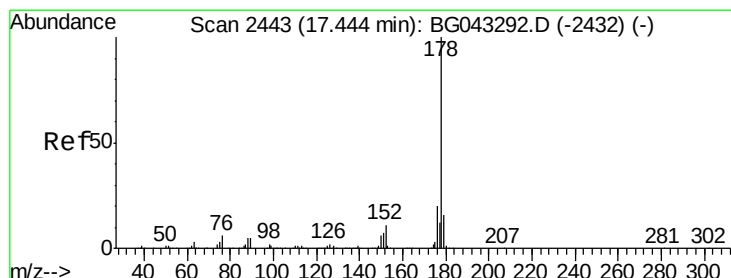
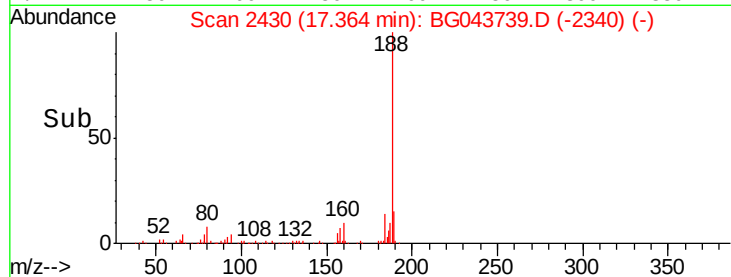
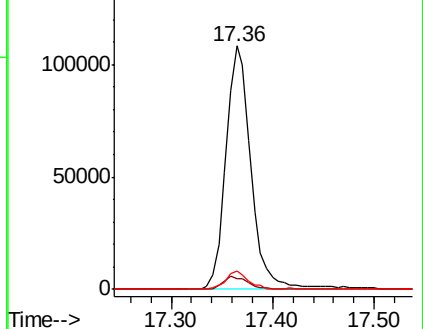
80 7.7 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#71

Phenanthrene

Concen: 6.146 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

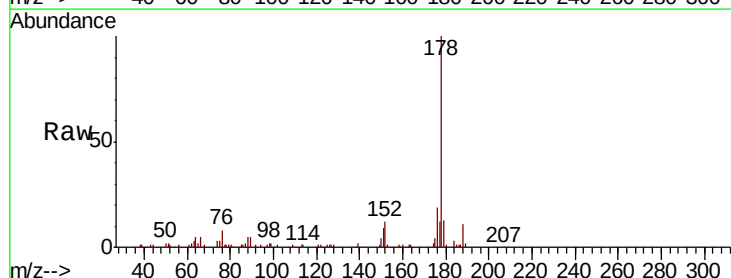
Tgt Ion:178 Resp: 58499

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

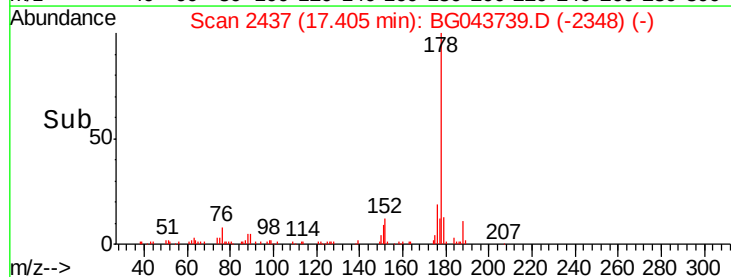
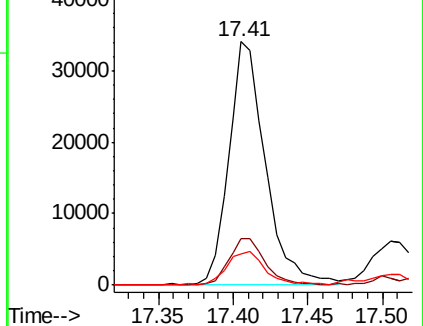
179 12.9 13.0 19.4#

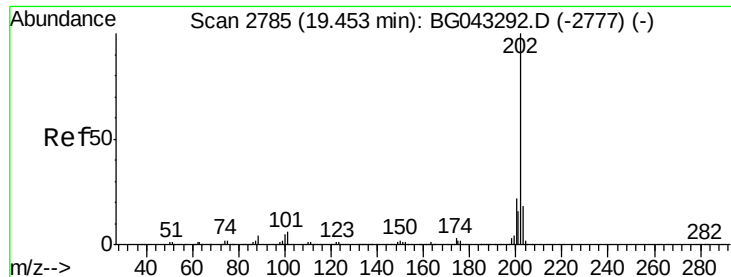


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.020 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

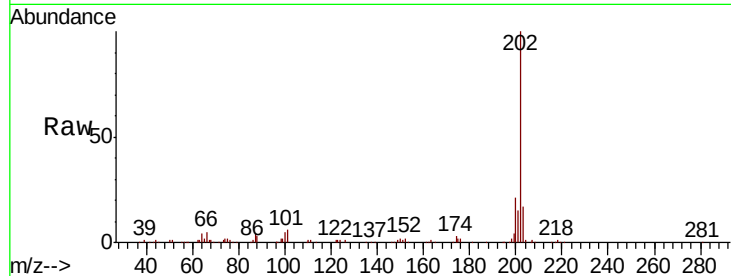
Tot Ion:202 Resp: 87111

Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.6

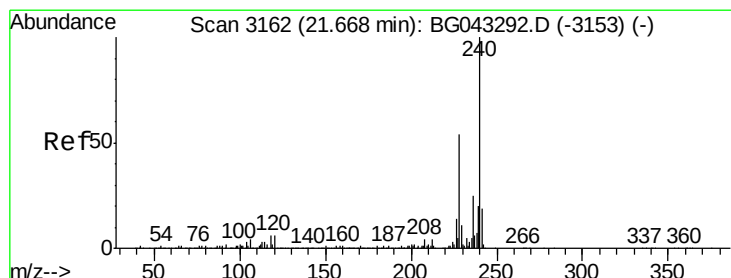
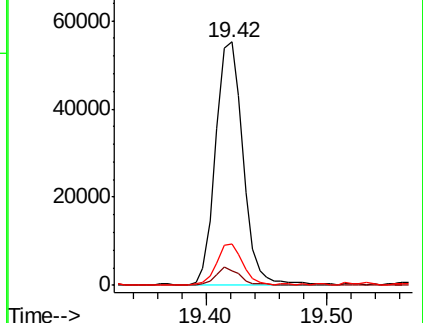
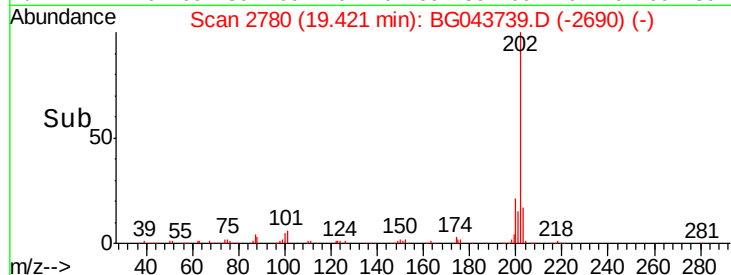
203 17.3 0.0 37.6



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: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

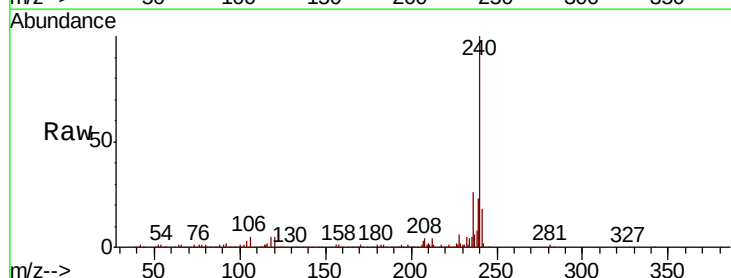
Tgt Ion:240 Resp: 193837

Ion Ratio Lower Upper

240 100

120 5.3 4.9 7.3

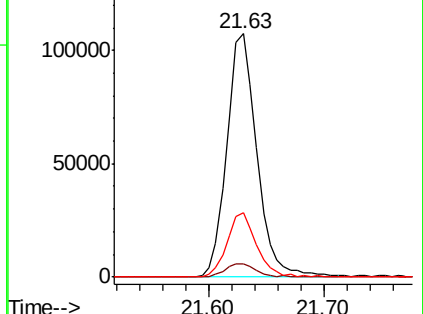
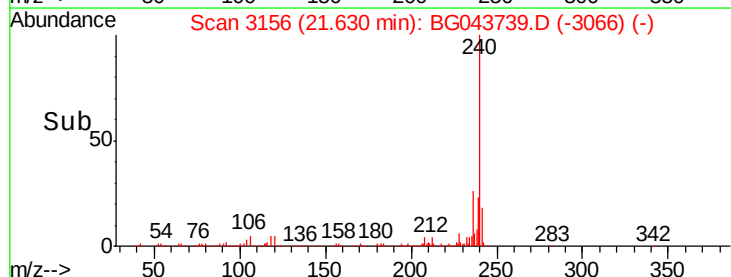
236 26.4 21.4 32.0

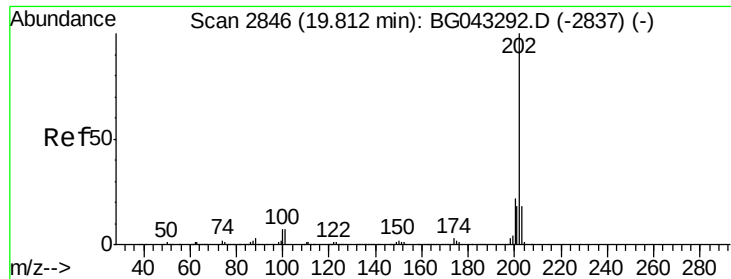


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.124 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

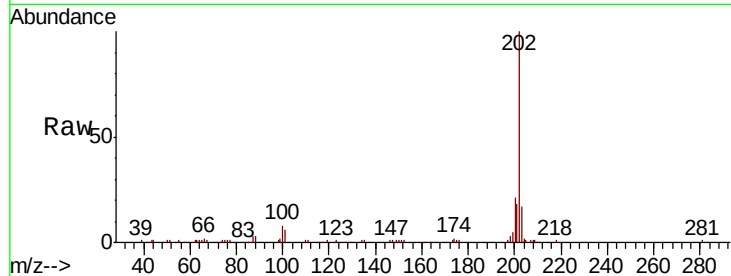
Tot Ion:202 Resp: 73480

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

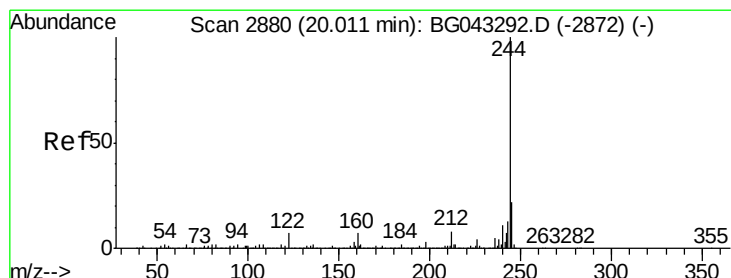
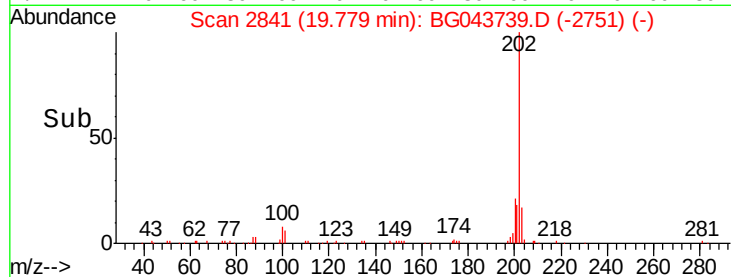
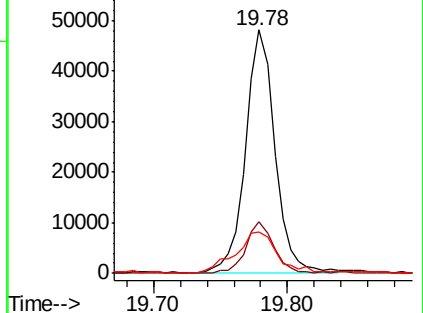
203 17.2 14.8 22.2



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: 86.190 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

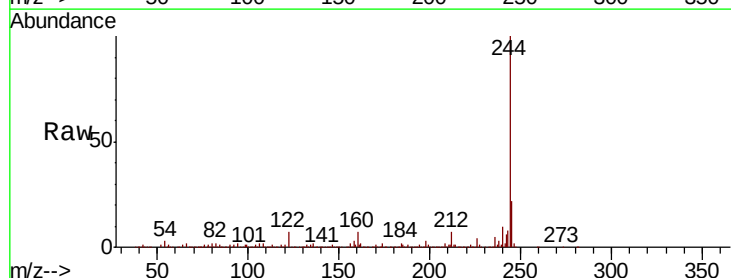
Tgt Ion:244 Resp: 890525

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

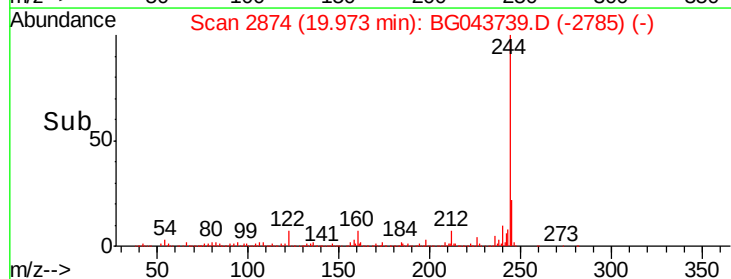
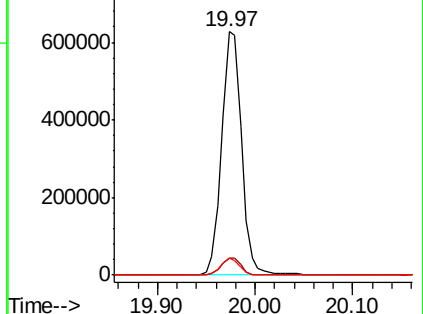
122 7.1 5.2 7.8

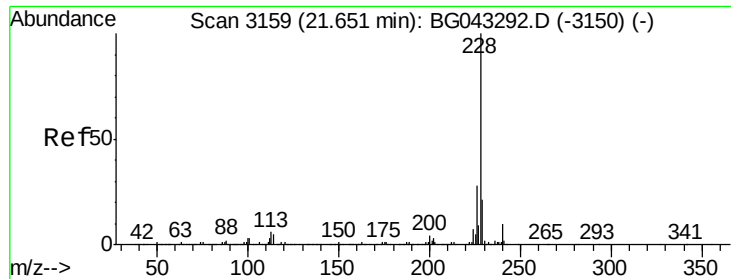


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.206 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

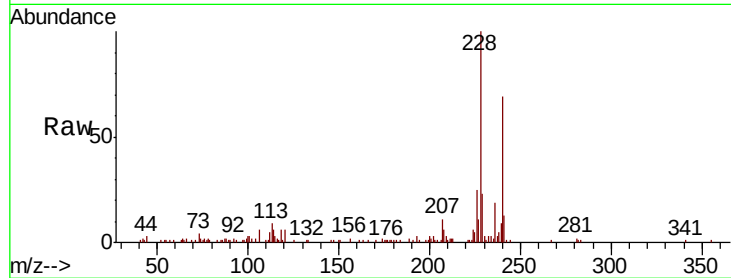
Tot Ion:228 Resp: 38929

Ion	Ratio	Lower	Upper
228	100		
226	24.8	21.8	32.6
229	23.3	15.9	23.9

228 100

226 24.8 21.8 32.6

229 23.3 15.9 23.9

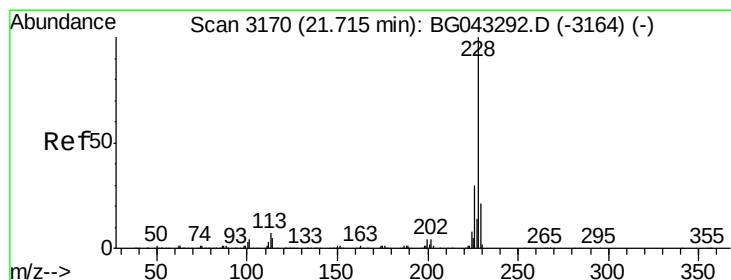
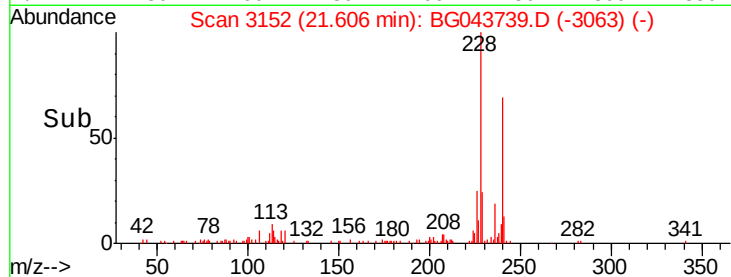
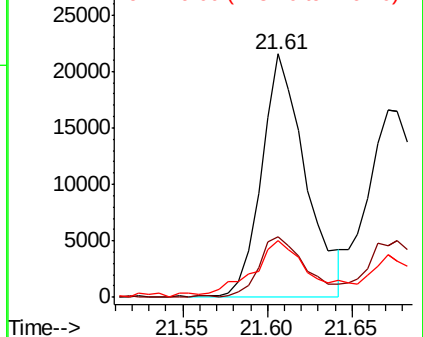


Abundance

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: 2.855 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

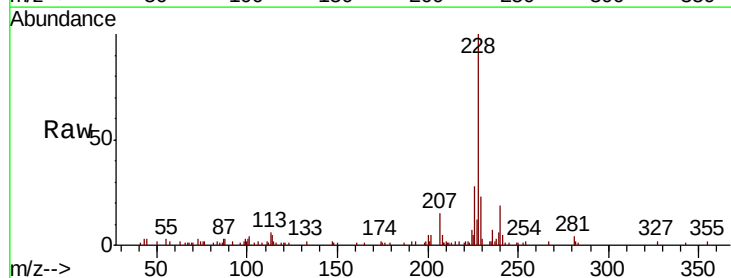
Tgt Ion:228 Resp: 34440

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.3	34.9
229	22.8	16.5	24.7

228 100

226 27.9 23.3 34.9

229 22.8 16.5 24.7

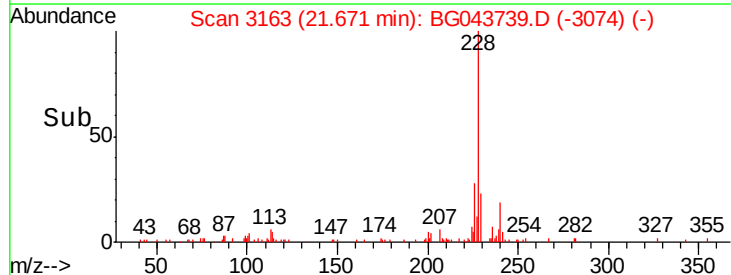
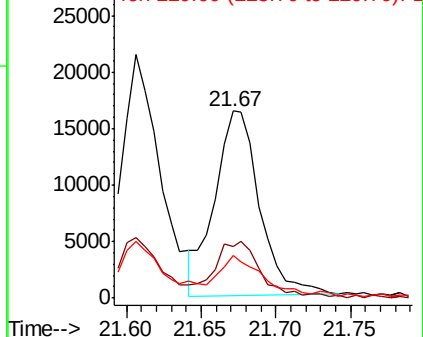


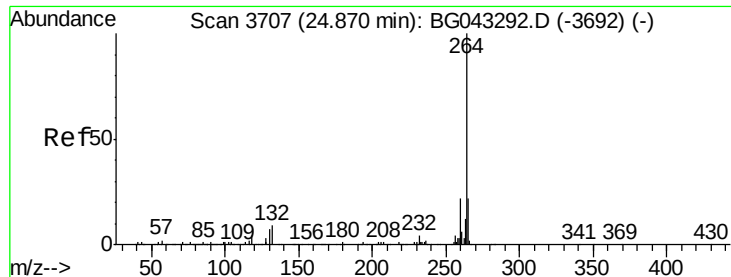
Abundance

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: 24.80 min Scan# 3696

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

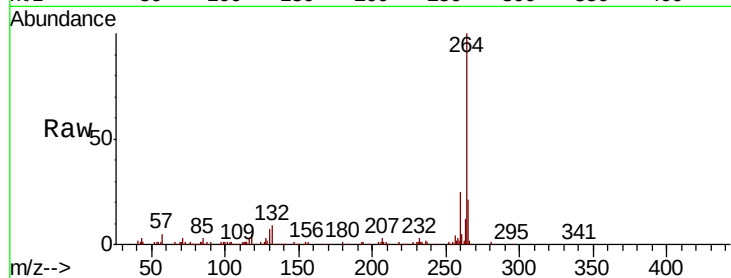
Tot Ion:264 Resp: 225137

Ion Ratio Lower Upper

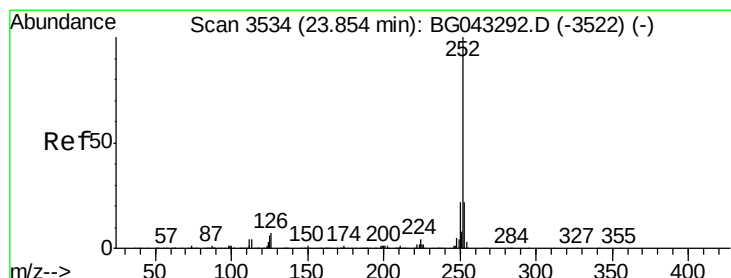
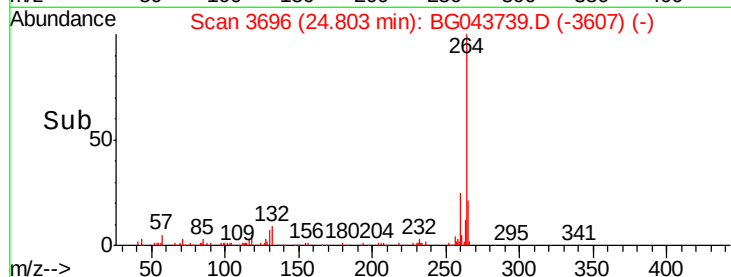
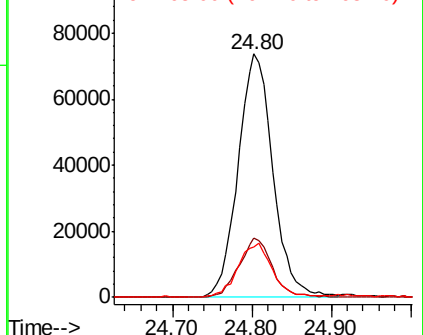
264 100

260 24.5 18.4 27.6

265 20.9 15.8 23.8



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: 3.597 ng

RT: 23.80 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

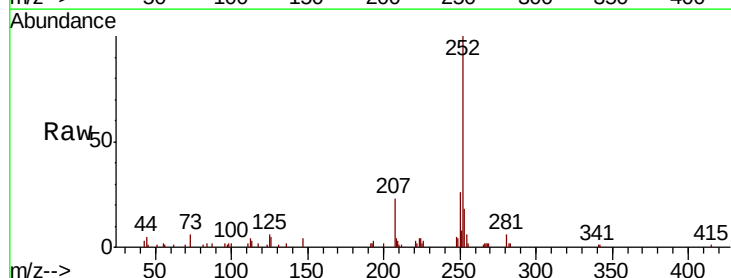
Tgt Ion:252 Resp: 45866

Ion Ratio Lower Upper

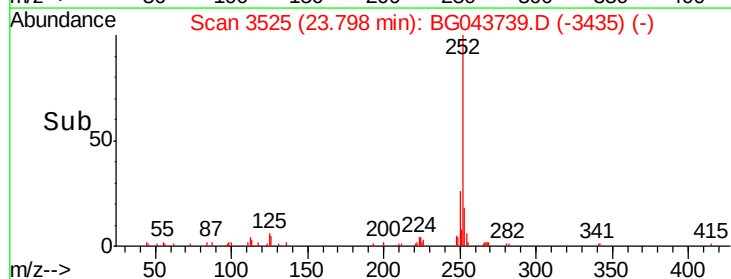
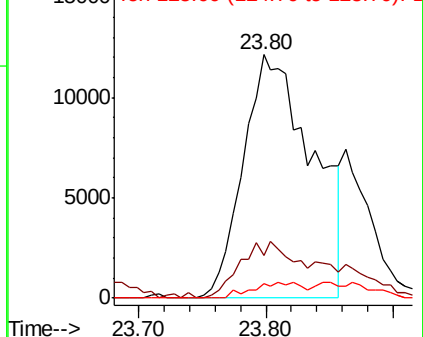
252 100

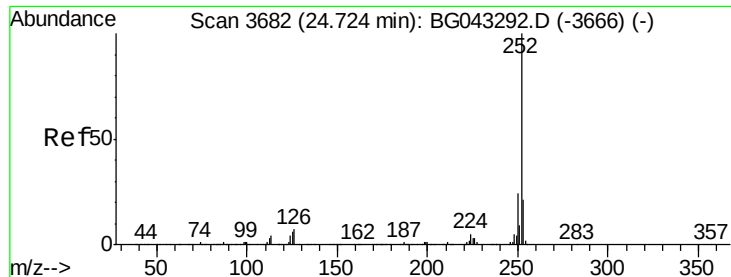
253 17.7 17.7 26.5

125 6.2 4.5 6.7



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: 2.787 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

13-(0-2)

Tot Ion:252 Resp: 33936

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 3.8 5.0 7.6#

