

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042552.D
 Acq On : 29 Aug 2019 3:57
 Operator : HP/JU
 Sample : K4543-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-S

Quant Time: Aug 29 08:03:14 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

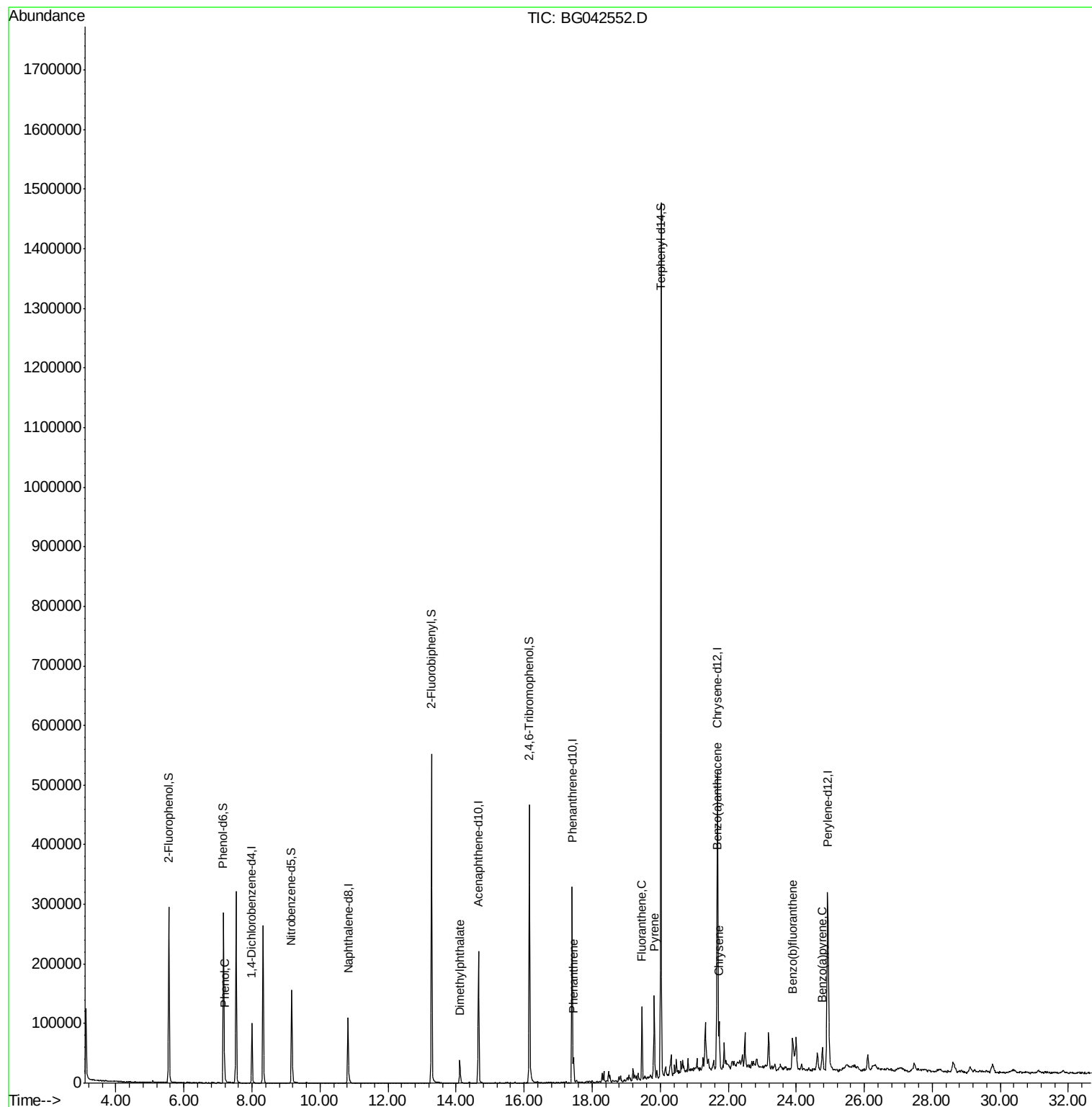
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33586	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	126224	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	93054	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	241092	20.00	ng	0.00
76) Chrysene-d12	21.68	240	297885	20.00	ng	-0.01
87) Perylene-d12	24.92	264	356734	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	152235	91.80	ng	0.00
7) Phenol-d6	7.16	99	199355	89.00	ng	-0.01
23) Nitrobenzene-d5	9.16	82	111831	61.22	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	135445	102.41	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	351183	63.83	ng	0.00
79) Terphenyl-d14	20.02	244	781595	56.72	ng	0.00
Target Compounds						
10) Phenol	7.19	94	12794	5.617	ng	94
50) Dimethylphthalate	14.11	163	44225	6.587	ng	99
71) Phenanthrene	17.45	178	29720	2.482	ng	95
75) Fluoranthene	19.46	202	86561	5.923	ng	95
78) Pyrene	19.83	202	91686	5.020	ng	96
81) Benzo(a)anthracene	21.67	228	57653	3.182	ng	96
83) Chrysene	21.73	228	58582	3.352	ng	97
88) Benzo(b)fluoranthene	23.89	252	69013	3.519	ng	100
90) Benzo(a)pyrene	24.77	252	45377	2.438	ng	99

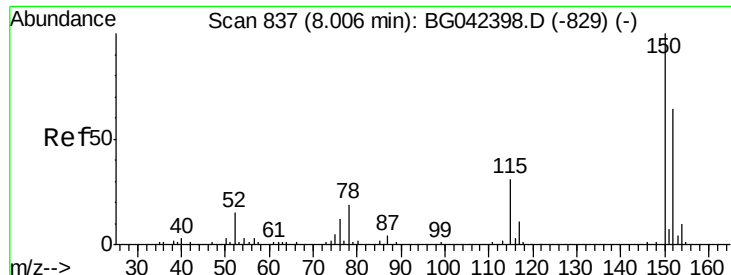
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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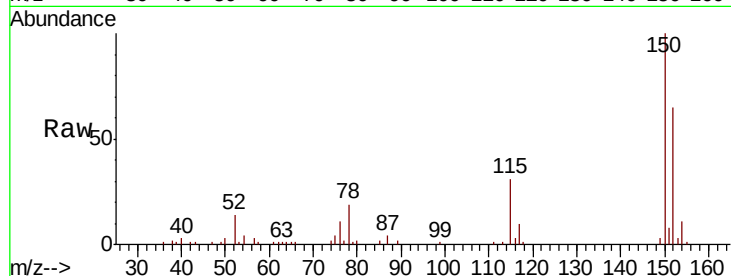


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.4	188.0
115	47.6	38.5	57.7

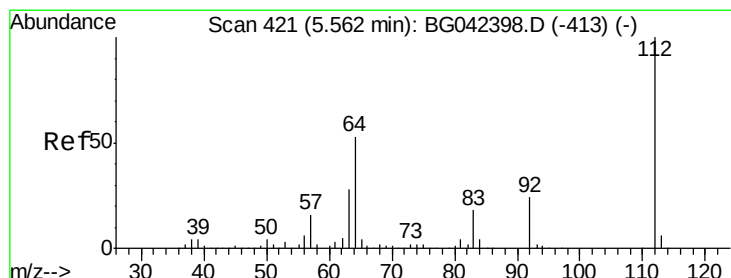
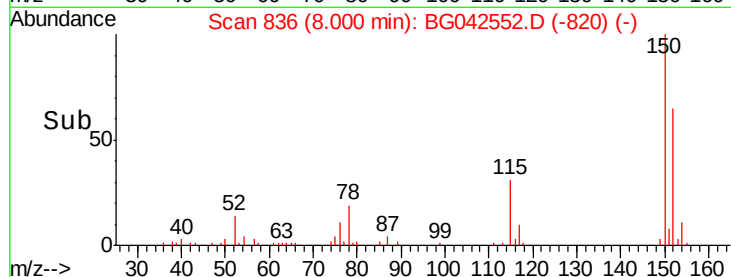
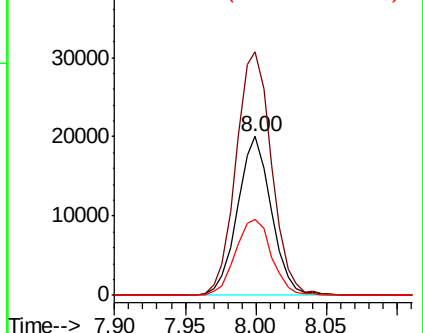


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

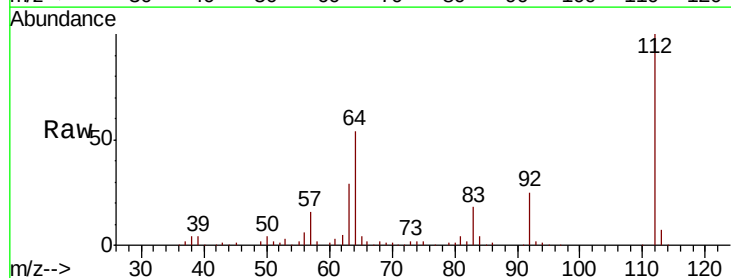
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.800 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.8	64.2
63	28.7	22.7	34.1

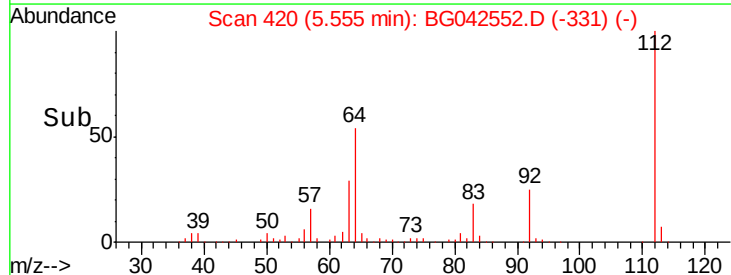
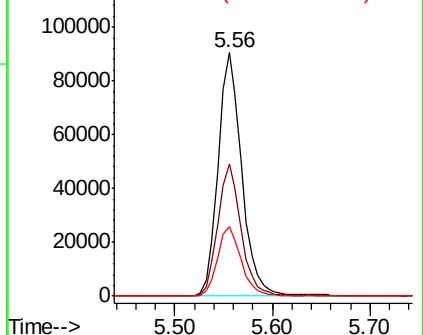


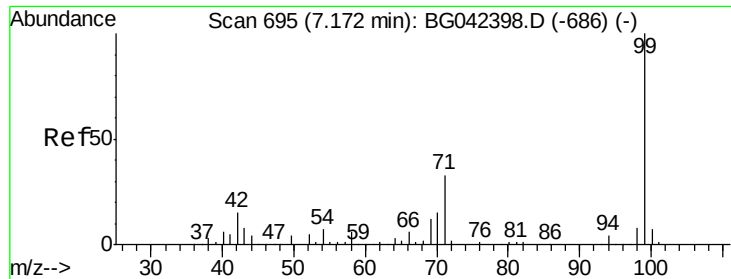
Abundance

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: 88.997 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampled :

TP-3-S

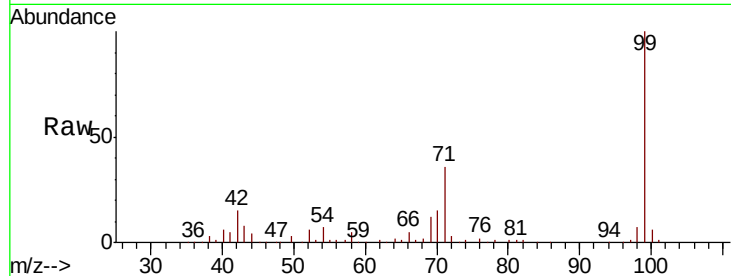
Tot Ion: 99 Resp: 199355

Ion Ratio Lower Upper

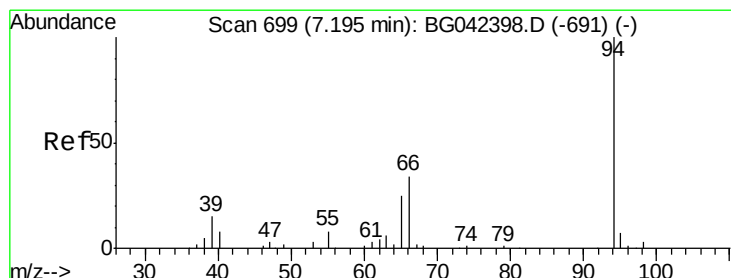
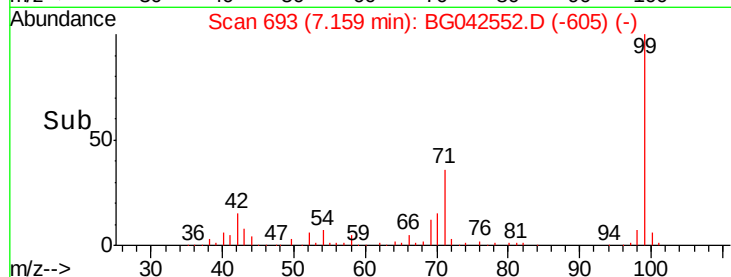
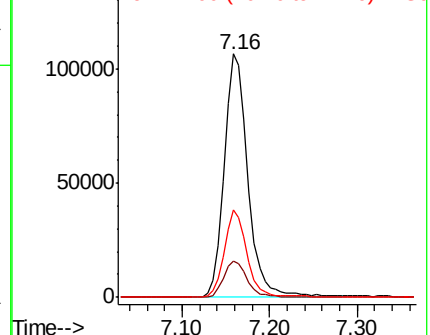
99 100

42 15.0 12.0 18.0

71 36.1 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: 5.617 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

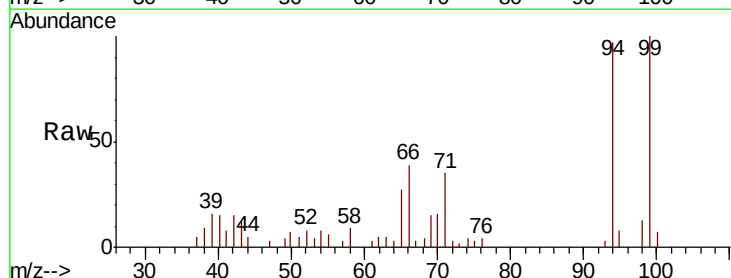
Tgt Ion: 94 Resp: 12794

Ion Ratio Lower Upper

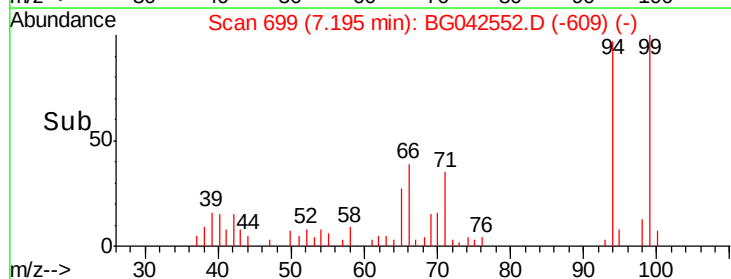
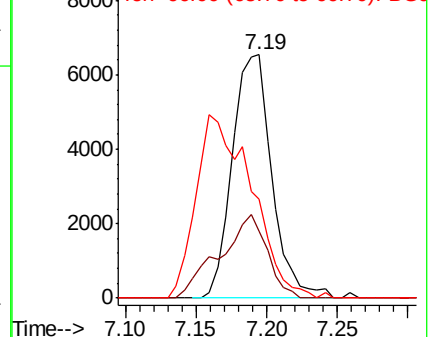
94 100

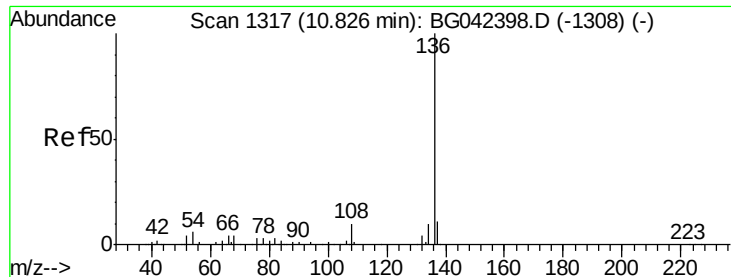
65 27.8 5.6 45.6

66 40.6 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

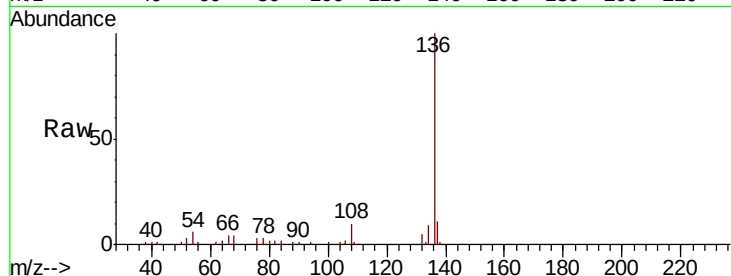




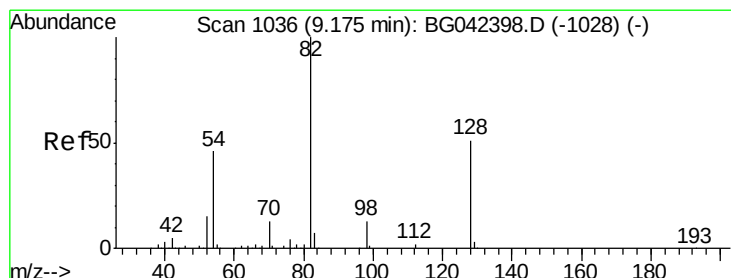
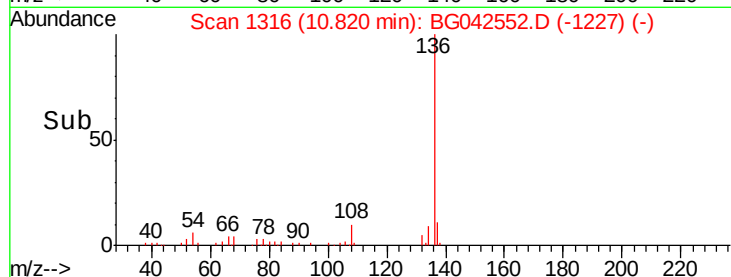
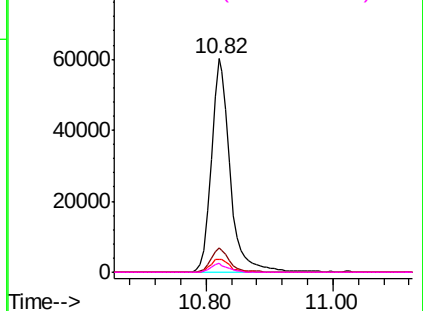
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampleId :
TP-3-S

Tot Ion:136	Resp:	126224
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.7	13.1
54 6.2	4.9	7.3
68 4.2	3.6	5.4

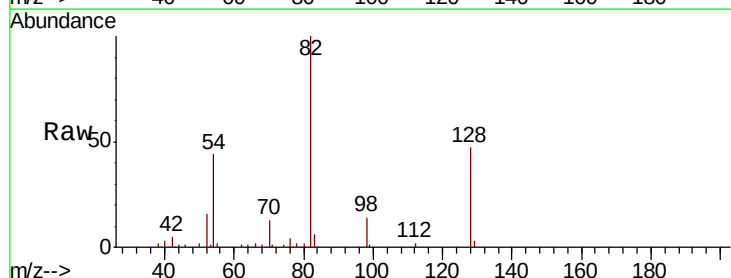


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

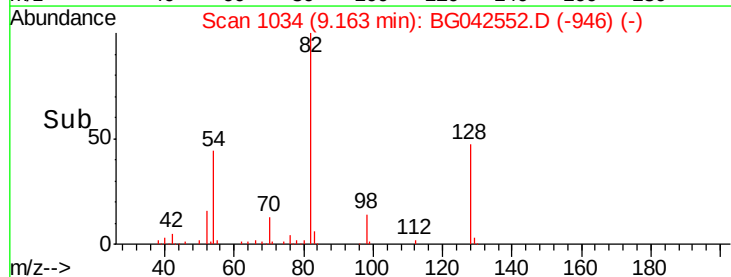
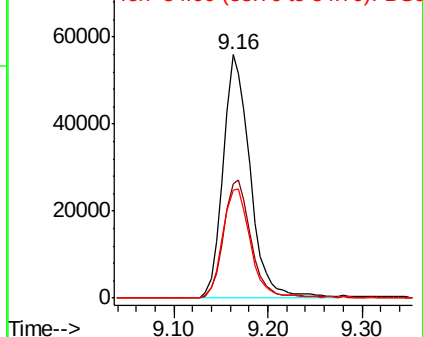


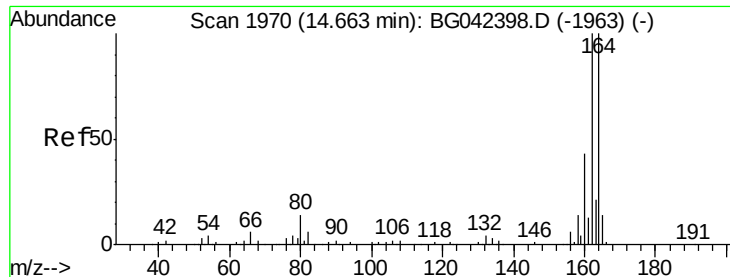
#23
Nitrobenzene-d5
Concen: 61.224 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt	Ion: 82	Resp:	111831
Ion	Ratio	Lower	Upper
82	100		
128	46.9	40.7	61.1
54	44.1	36.3	54.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

TP-3-S

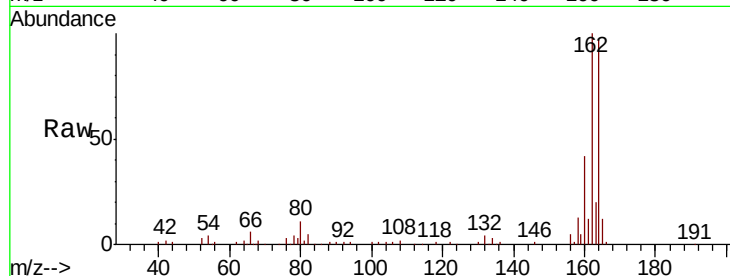
Tot Ion:164 Resp: 93054

Ion Ratio Lower Upper

164 100

162 102.7 79.9 119.9

160 43.3 34.3 51.5

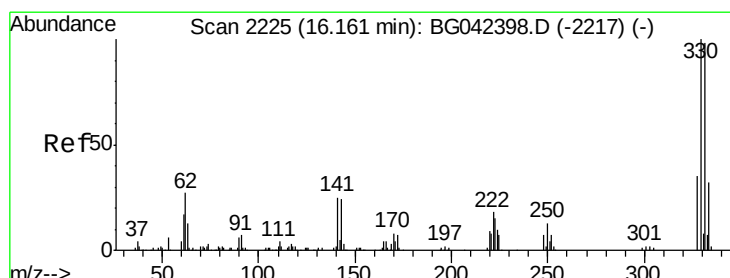
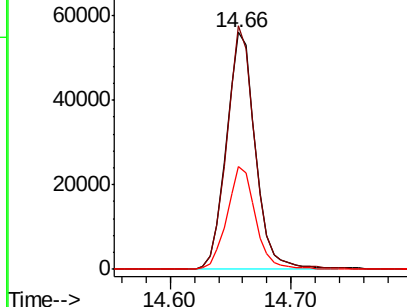
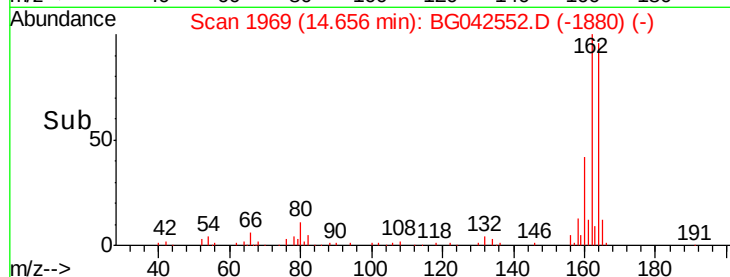


Abundance

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: 102.407 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

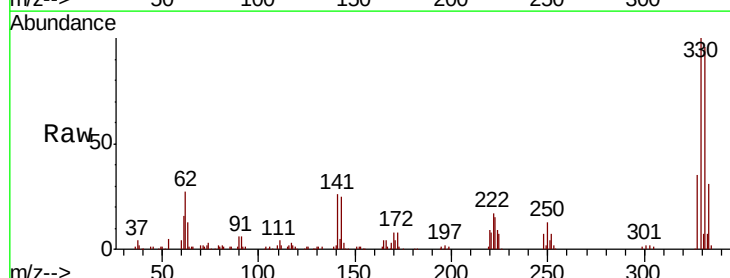
Tgt Ion:330 Resp: 135445

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 27.4 21.4 32.0

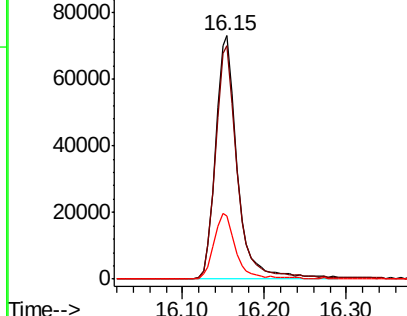
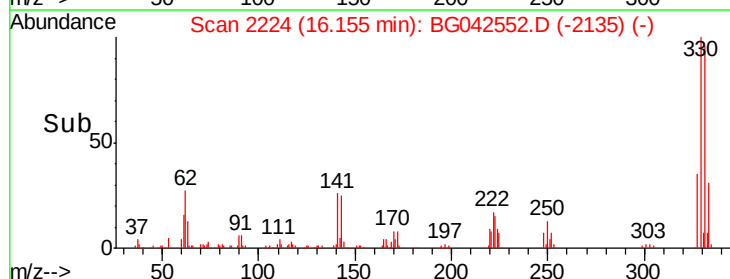


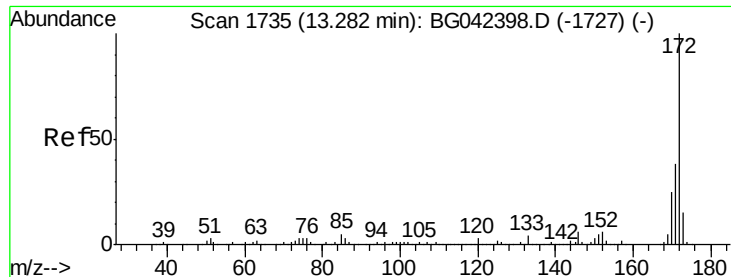
Abundance

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

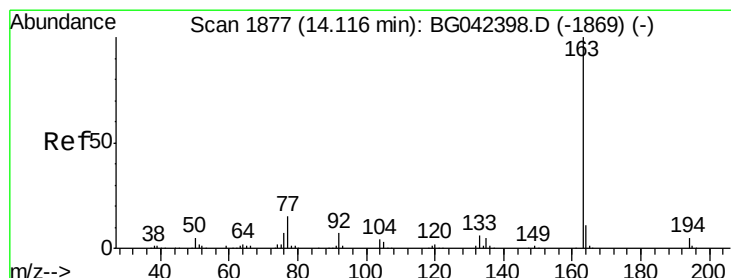
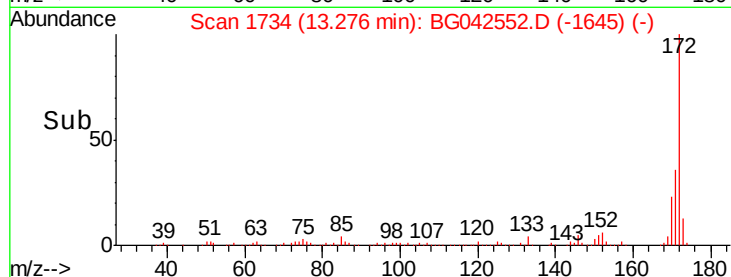
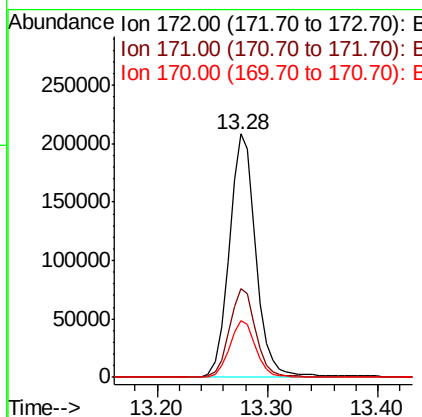
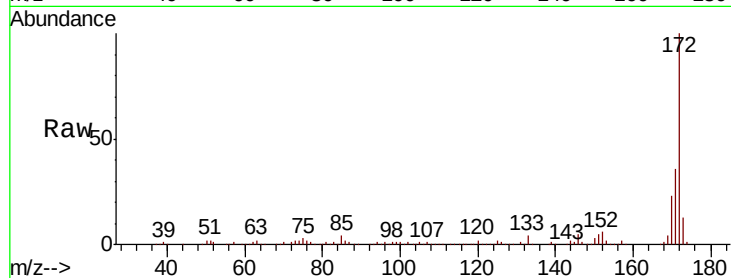




#45
2-Fluorobiphenyl
Concen: 63.829 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

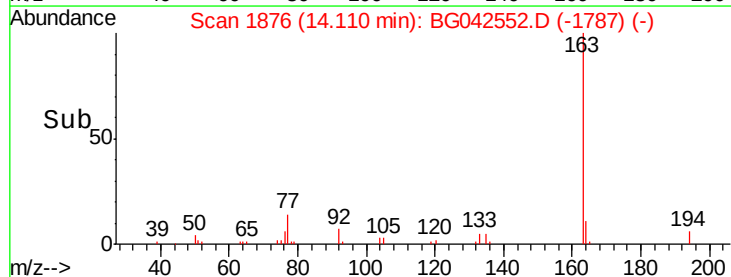
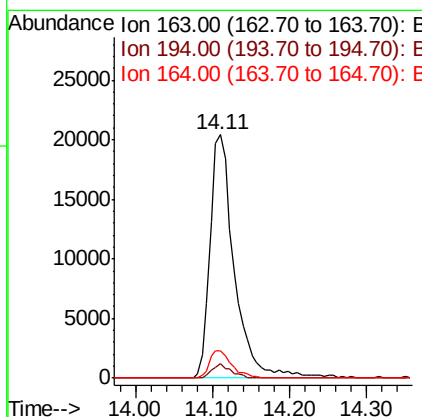
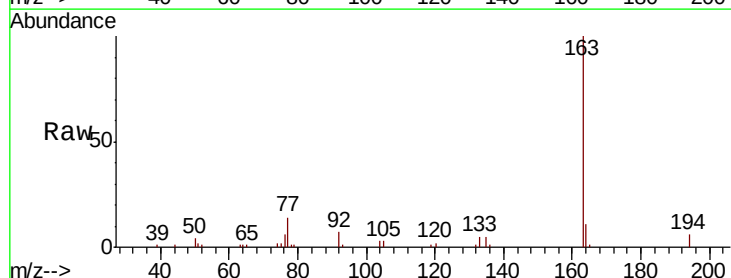
Instrument :
BNA_G
ClientSampled :
TP-3-S

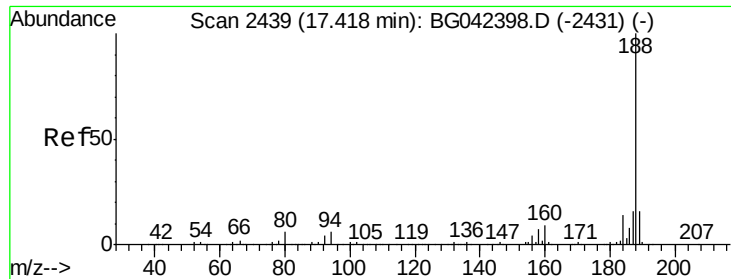
Tot Ion:172 Resp: 351183
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 23.3 20.2 30.2



#50
Dimethylphthalate
Concen: 6.587 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion:163 Resp: 44225
Ion Ratio Lower Upper
163 100
194 5.7 4.2 6.2
164 11.3 8.8 13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

TP-3-S

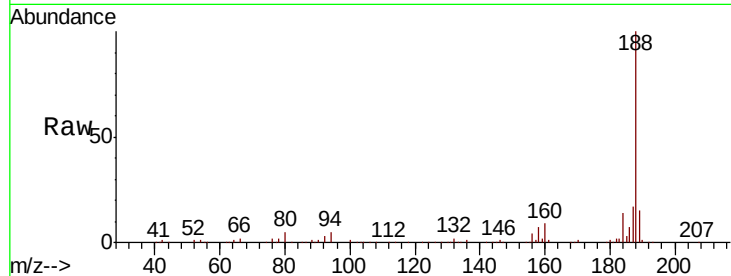
Tot Ion:188 Resp: 241092

Ion Ratio Lower Upper

188 100

94 5.2 4.5 6.7

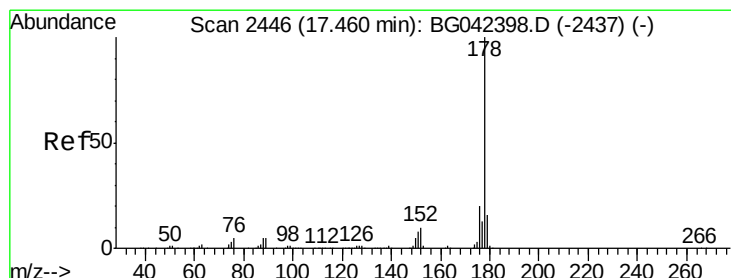
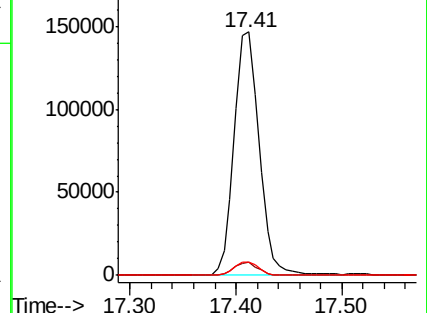
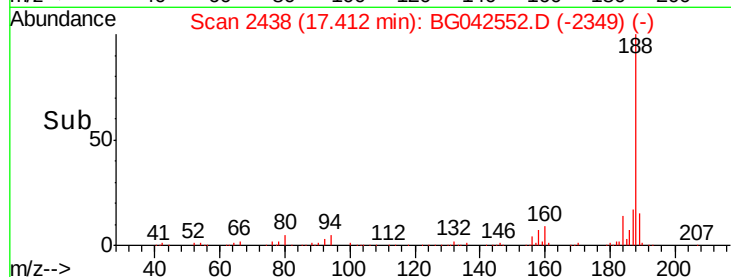
80 5.3 4.9 7.3



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: 2.482 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

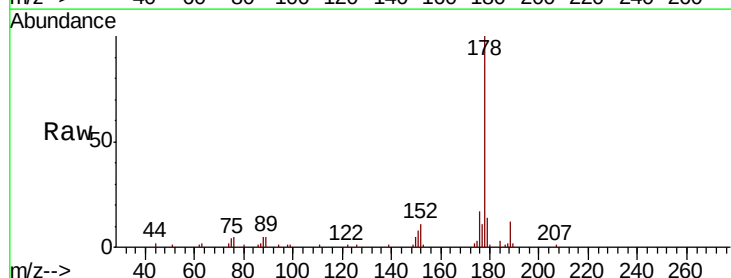
Tgt Ion:178 Resp: 29720

Ion Ratio Lower Upper

178 100

176 17.3 15.9 23.9

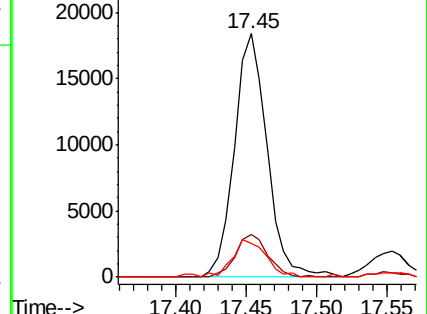
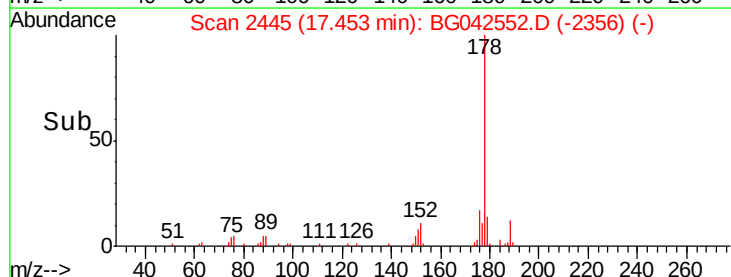
179 13.8 12.7 19.1

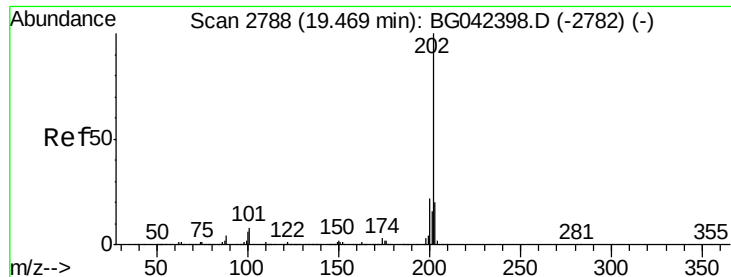


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.923 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

TP-3-S

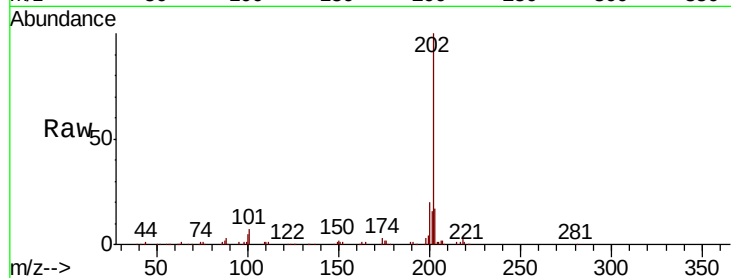
Tot Ion:202 Resp: 86561

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.3

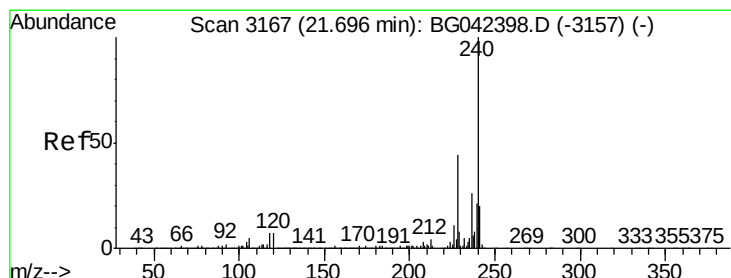
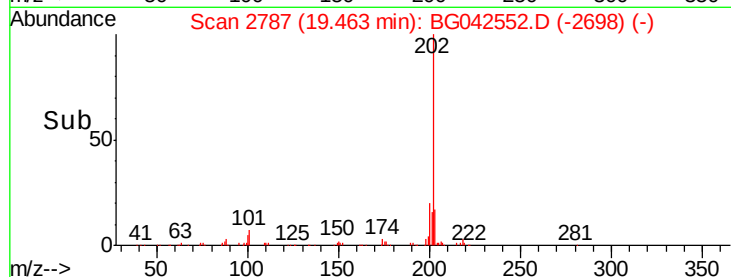
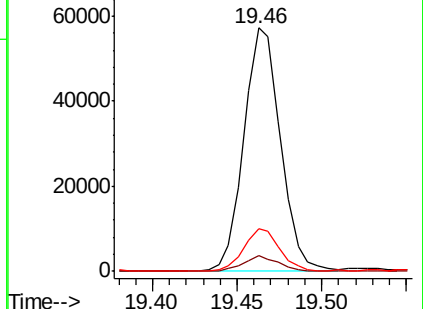
203 17.5 0.0 39.6



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: BG042552.D

Acq: 29 Aug 2019 3:57

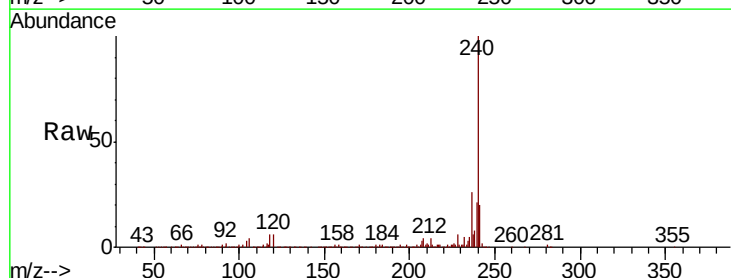
Tgt Ion:240 Resp: 297885

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

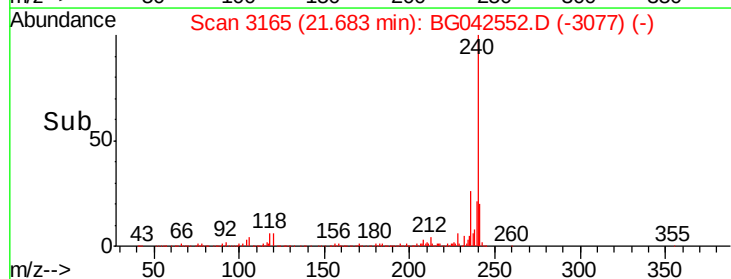
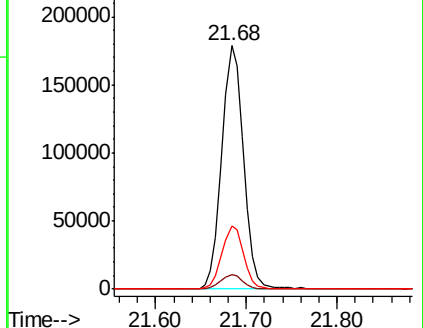
236 26.0 21.0 31.4

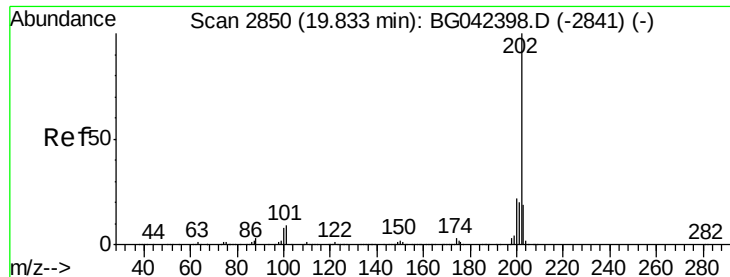


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

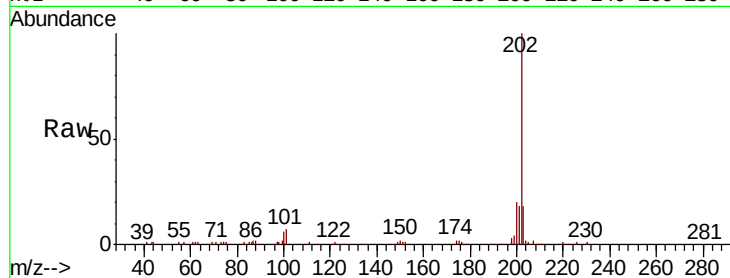




#78
Pvrene
Concen: 5.020 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.8	26.6
203	17.8	15.5	23.3

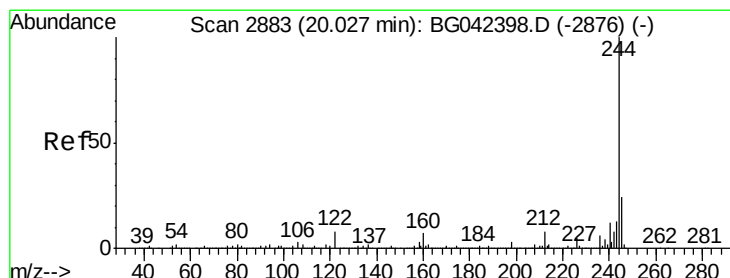
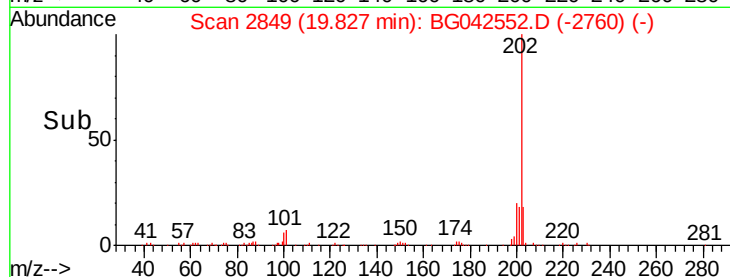
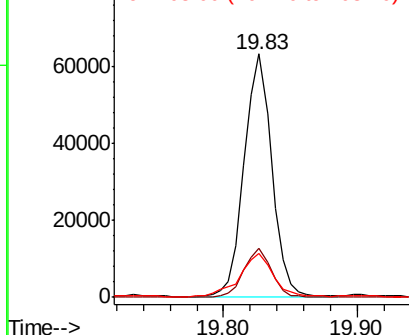


Abundance

Ion 202.00 (201.70 to 202.70): E

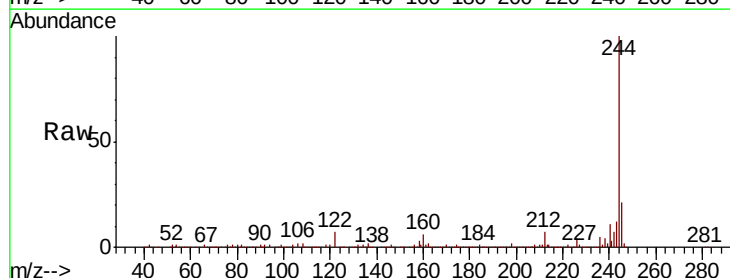
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 56.725 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	7.0	6.7	10.1

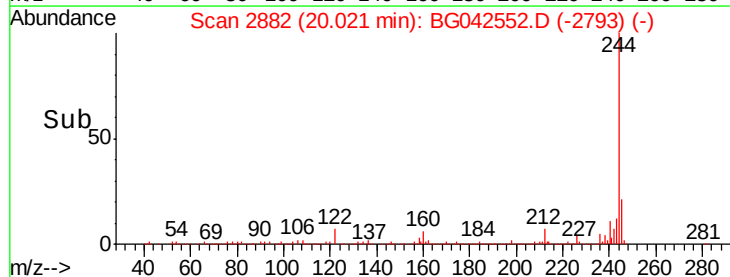
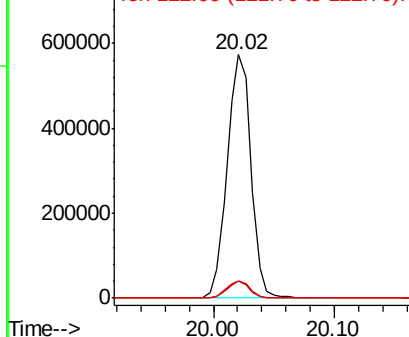


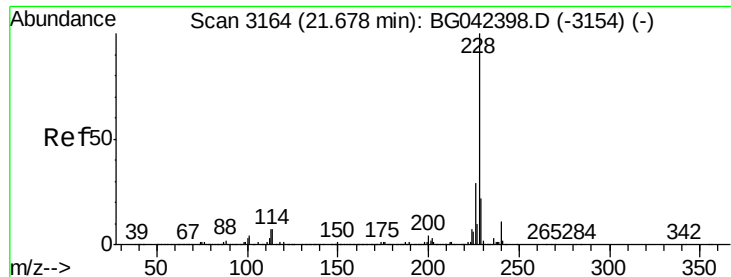
Abundance

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: 3.182 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

TP-3-S

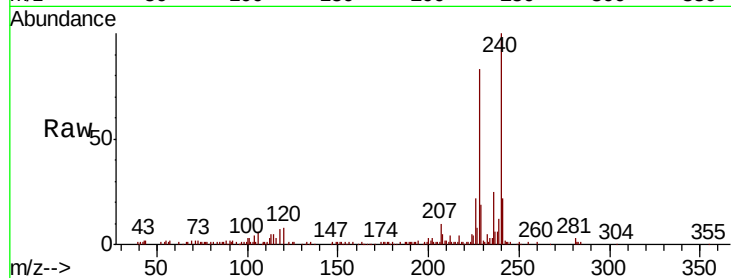
Tot Ion:228 Resp: 57653

Ion Ratio Lower Upper

228 100

226 26.6 23.4 35.2

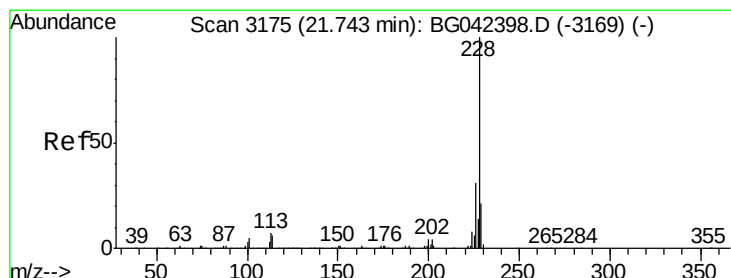
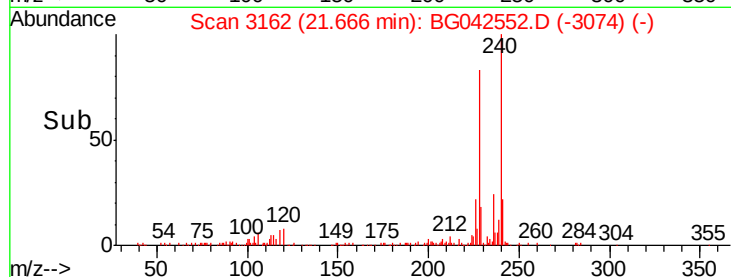
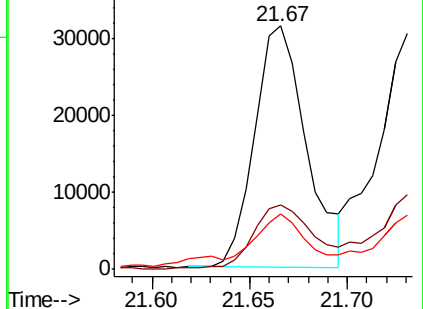
229 22.8 17.4 26.2



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: 3.352 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

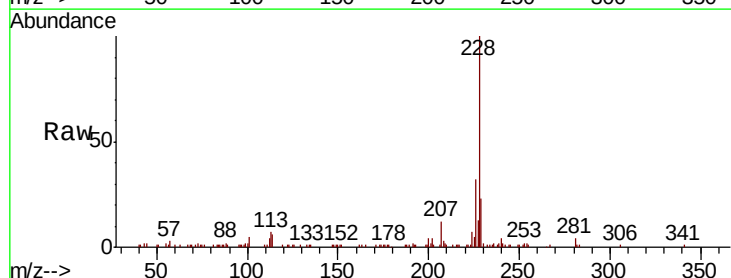
Tgt Ion:228 Resp: 58582

Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

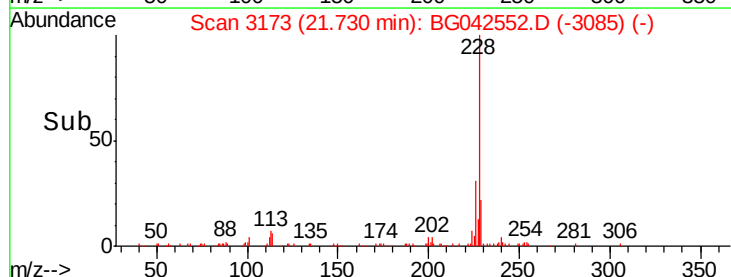
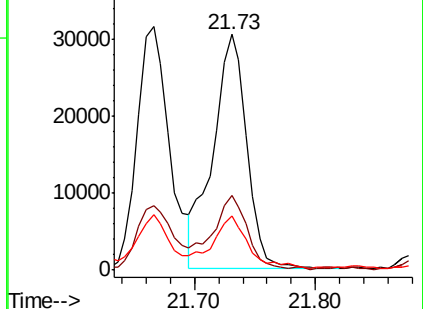
229 23.2 16.9 25.3

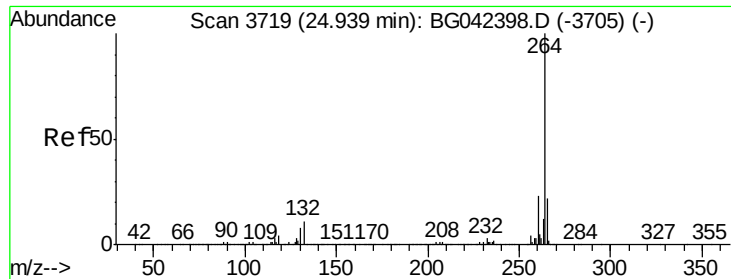


Abundance Ion 228.00 (227.70 to 228.70): E

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: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

TP-3-S

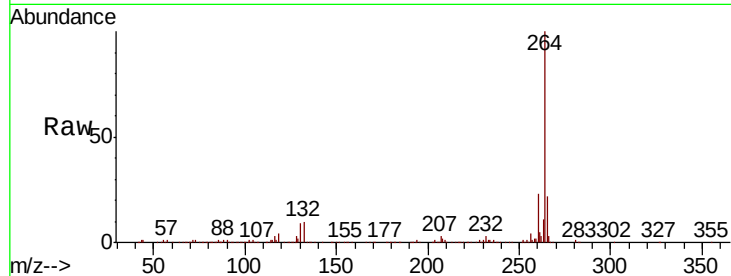
Tot Ion:264 Resp: 356734

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

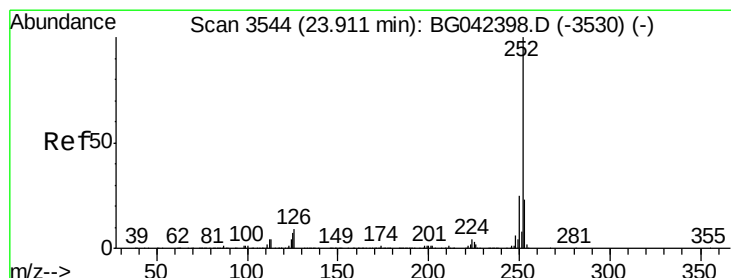
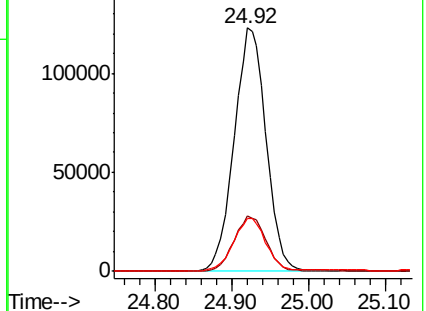
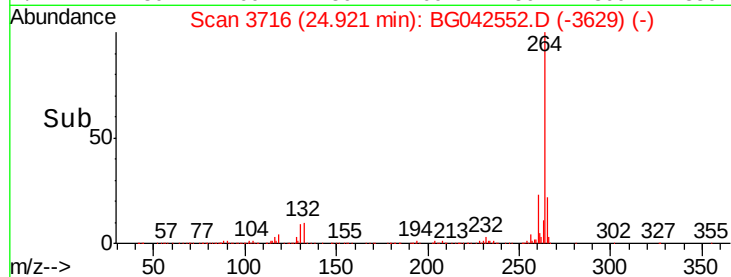
265 21.9 17.6 26.4



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: 3.519 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

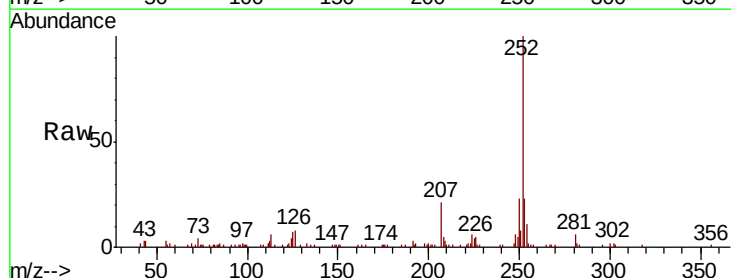
Tgt Ion:252 Resp: 69013

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

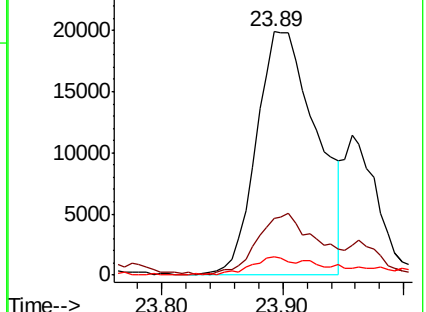
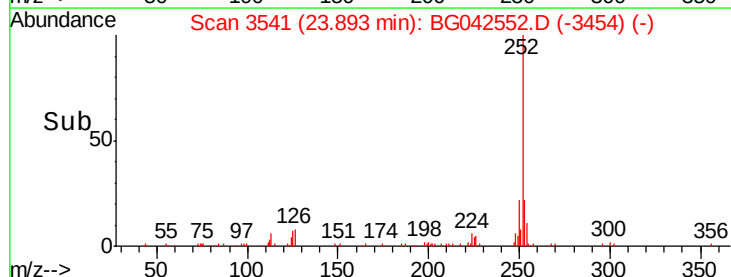
125 7.3 5.6 8.4

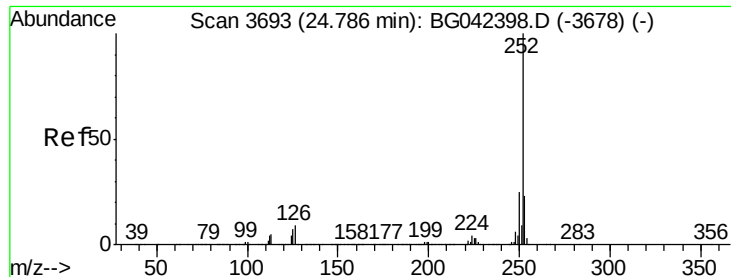


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.438 ng
 RT: 24.77 min Scan# 3690
 Delta R.T. -0.02 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	7.2	6.0	9.0

