

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042485.D
 Acq On : 25 Aug 2019 19:37
 Operator : HP/JU
 Sample : K4493-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T9-12-13-H-(0-1.9)

Quant Time: Aug 26 08:34:42 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	47137	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	187721	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	142474	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	340671	20.00	ng	0.00
76) Chrysene-d12	21.69	240	351149	20.00	ng	0.00
87) Perylene-d12	24.93	264	408517	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	369970	158.96	ng	0.00
7) Phenol-d6	7.17	99	506382	161.07	ng	0.00
23) Nitrobenzene-d5	9.17	82	287459	105.82	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	311582	153.87	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	846982	100.54	ng	0.00
79) Terphenyl-d14	20.03	244	1431298	88.12	ng	0.00

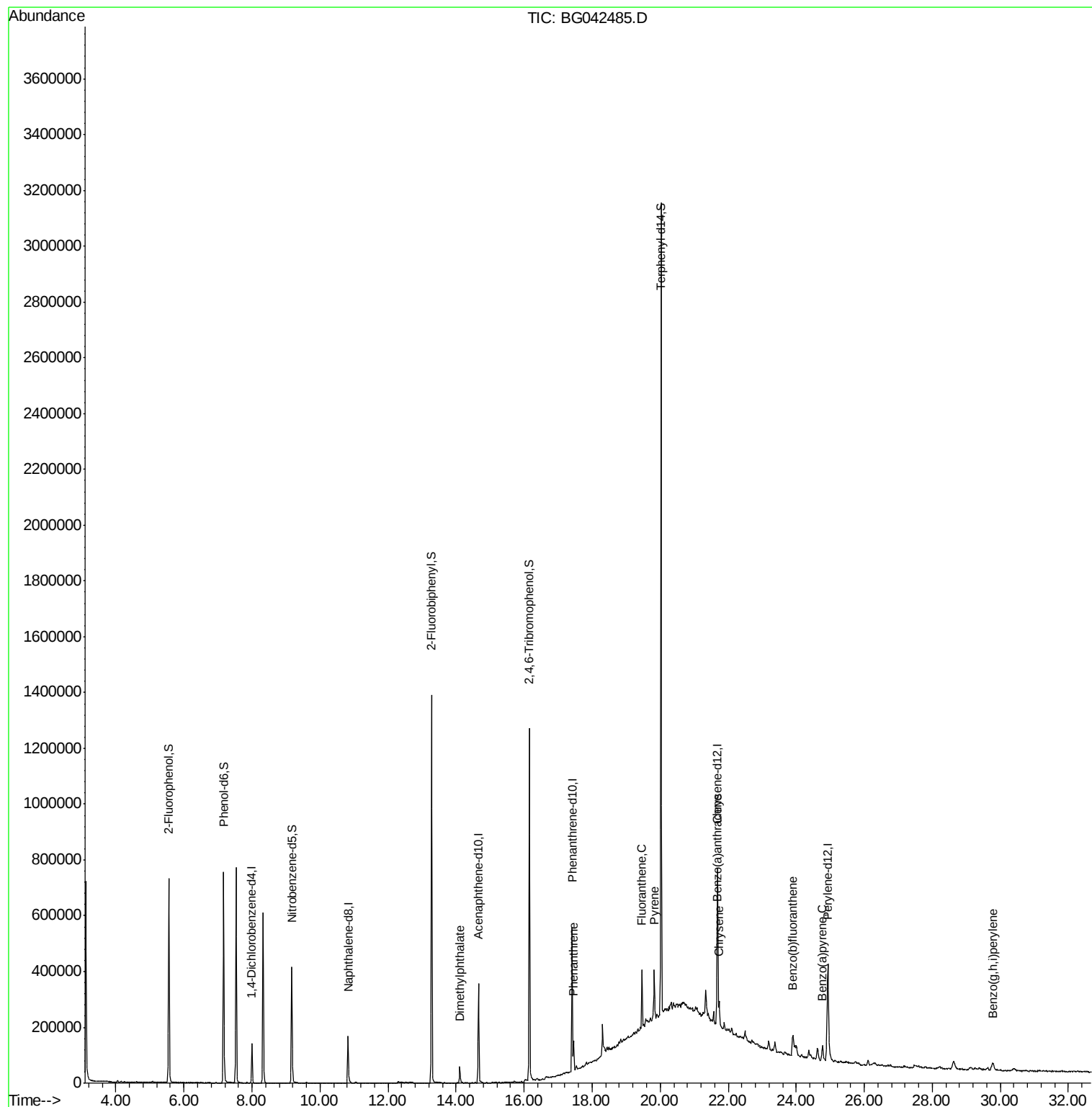
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.11	163	57794	5.622	ng	99
71) Phenanthrene	17.45	178	74326	4.392	ng	96
75) Fluoranthene	19.46	202	147586	7.146	ng	99
78) Pyrene	19.83	202	122567	5.693	ng	99
81) Benzo(a)anthracene	21.67	228	58249	2.727	ng	95
83) Chrysene	21.73	228	69037	3.351	ng	97
88) Benzo(b)fluoranthene	23.90	252	103704	4.618	ng	# 97
90) Benzo(a)pyrene	24.77	252	64414	3.023	ng	# 97
92) Benzo(g,h,i)perylene	29.78	276	52922	2.452	ng	99

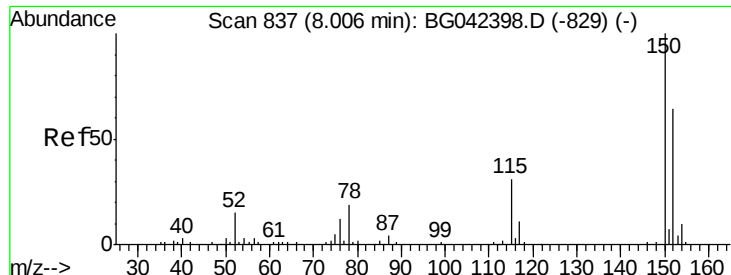
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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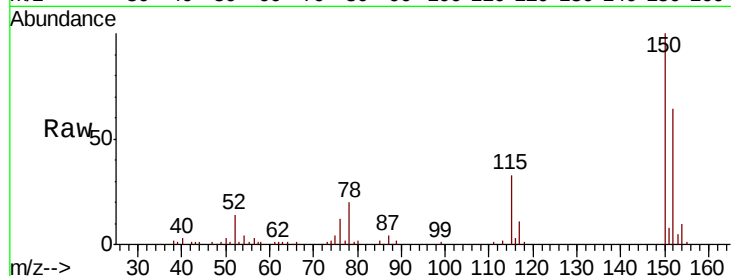


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.4	188.0
115	51.5	38.5	57.7

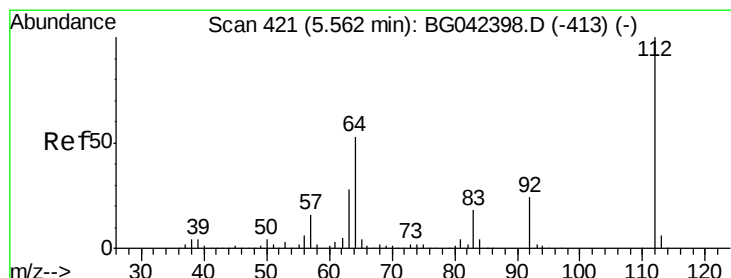
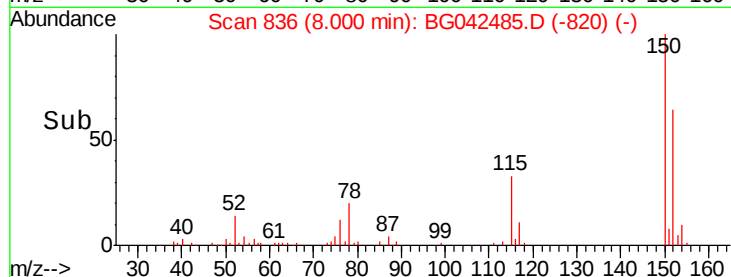
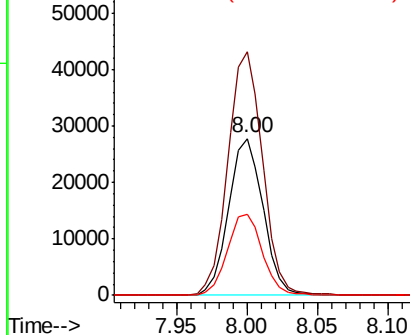


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

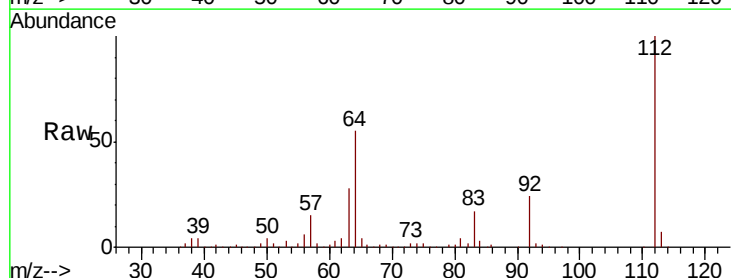
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 158.962 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.8	64.2
63	27.9	22.7	34.1

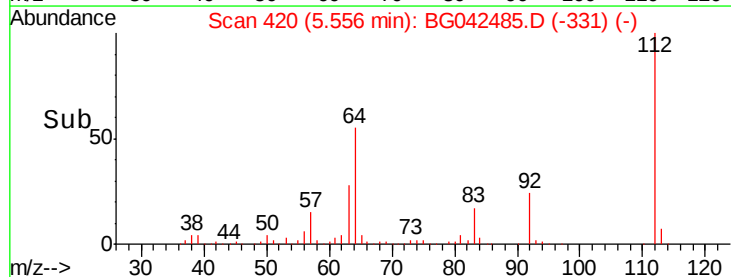
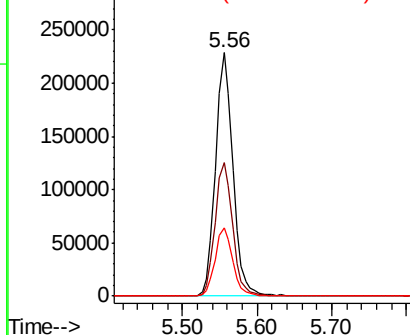


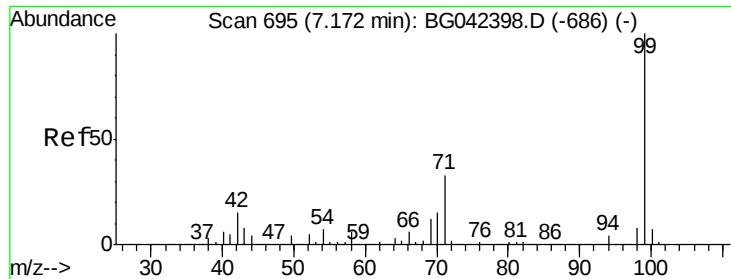
Abundance

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: 161.072 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

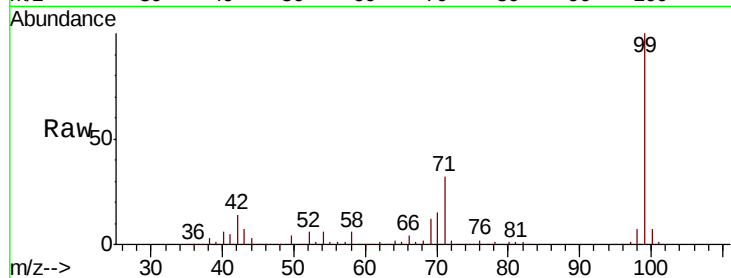
Tot Ion: 99 Resp: 506382

Ion Ratio Lower Upper

99 100

42 14.1 12.0 18.0

71 32.5 26.3 39.5

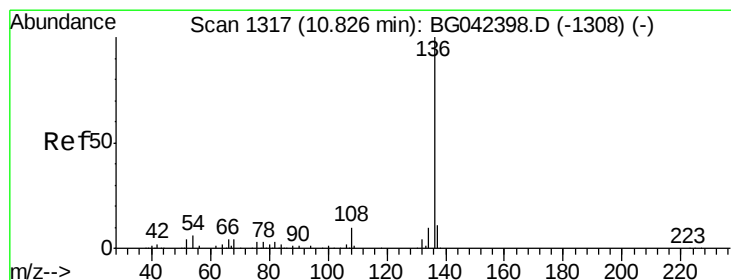
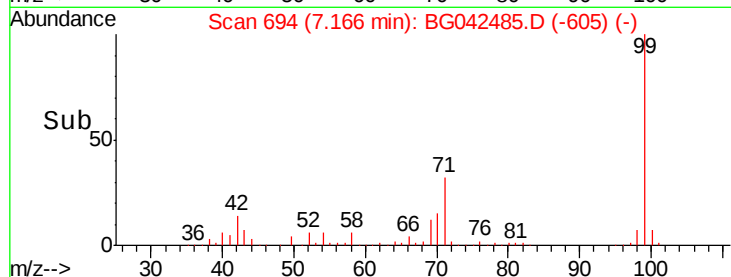
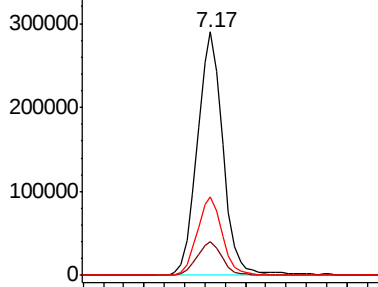


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Tgt Ion: 136 Resp: 187721

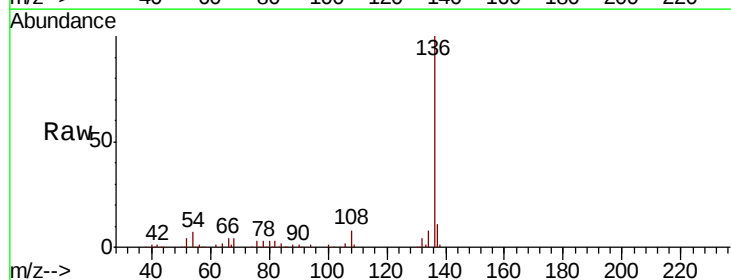
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.8 4.9 7.3

68 3.8 3.6 5.4



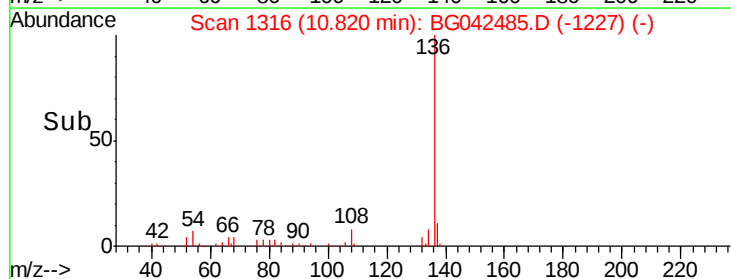
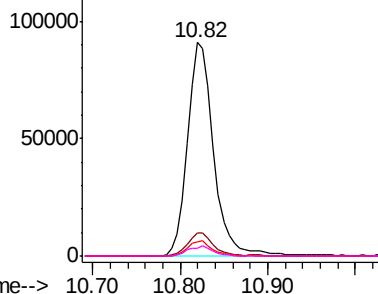
Abundance

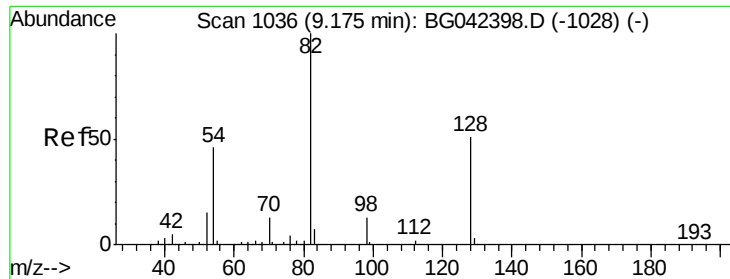
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

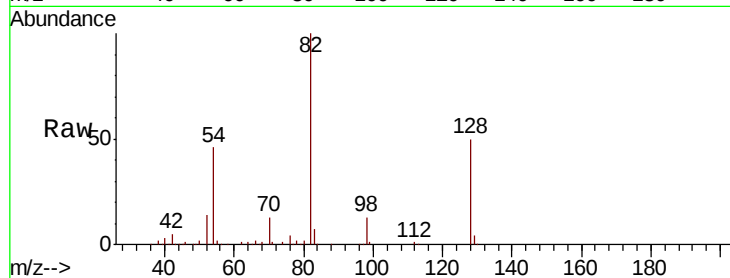




#23
Nitrobenzene-d5
Concen: 105.820 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tot Ion	82	Resp	287459
Ion Ratio	Lower	Upper	
82	100		
128	50.0	40.7	61.1
54	46.2	36.3	54.5

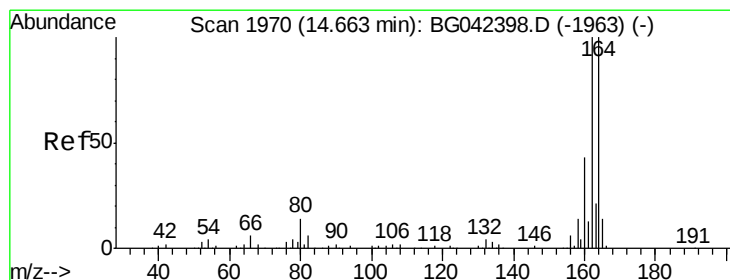
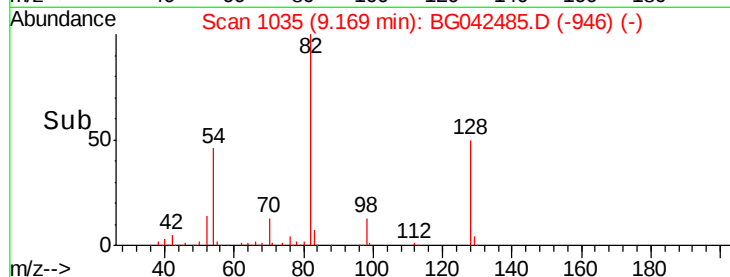
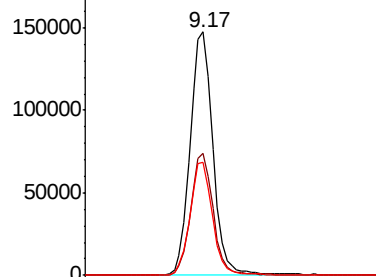


Abundance

Ion 82.00 (81.70 to 82.70): BGC

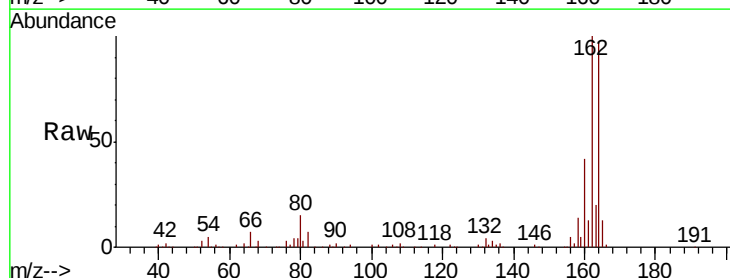
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	164	Resp	142474
Ion Ratio	Lower	Upper	
164	100		
162	102.8	79.9	119.9
160	43.4	34.3	51.5

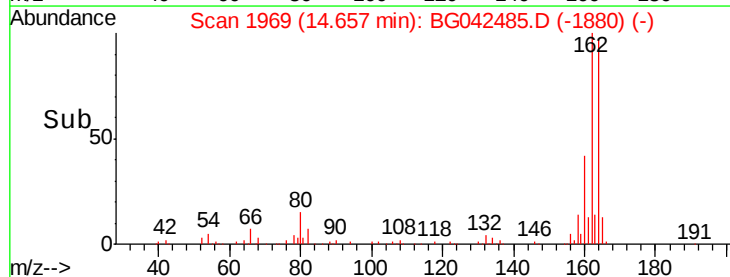
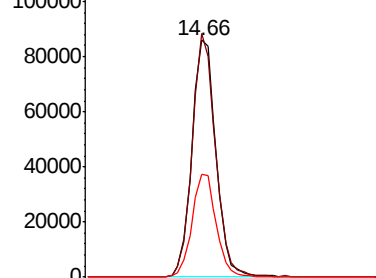


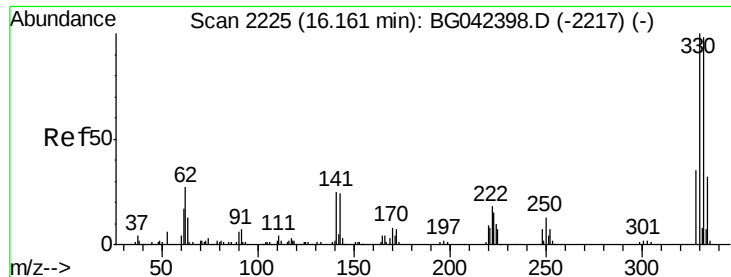
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 153.865 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

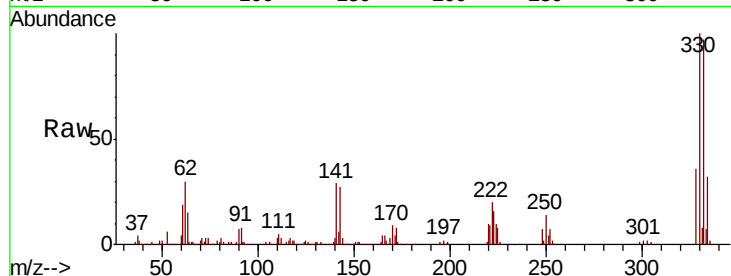
Tot Ion:330 Resp: 311582

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

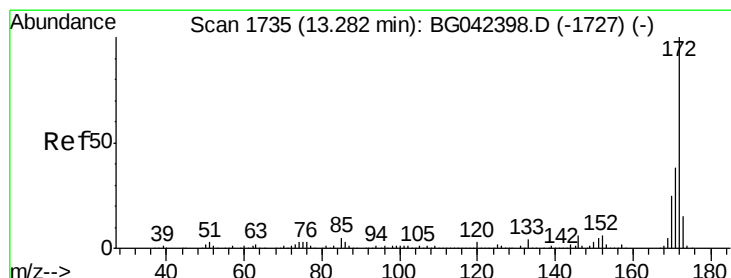
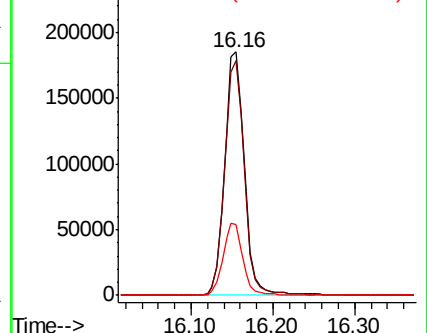
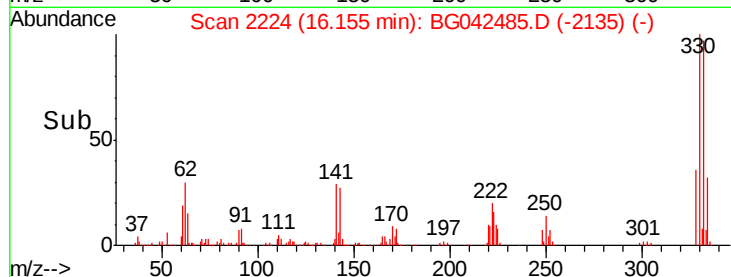
141 29.6 21.4 32.0



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: 100.544 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

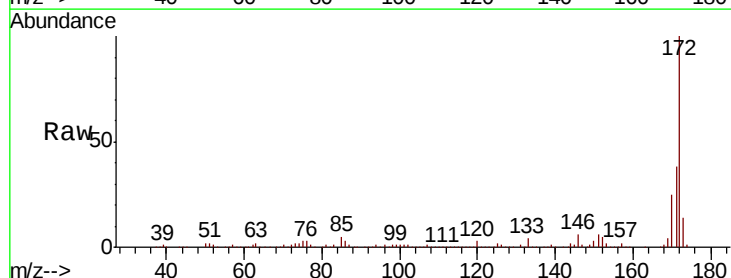
Tgt Ion:172 Resp: 846982

Ion Ratio Lower Upper

172 100

171 37.5 30.5 45.7

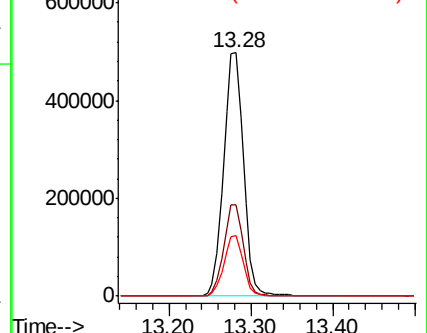
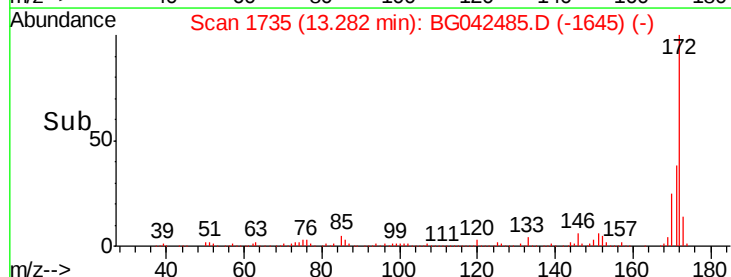
170 24.8 20.2 30.2

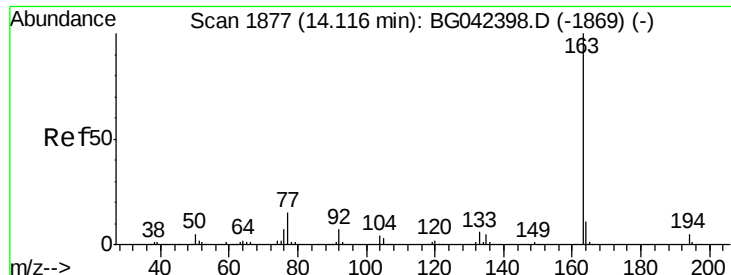


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.622 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

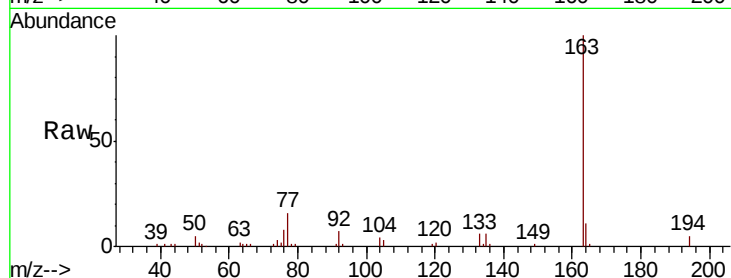
Tot Ion:163 Resp: 57794

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

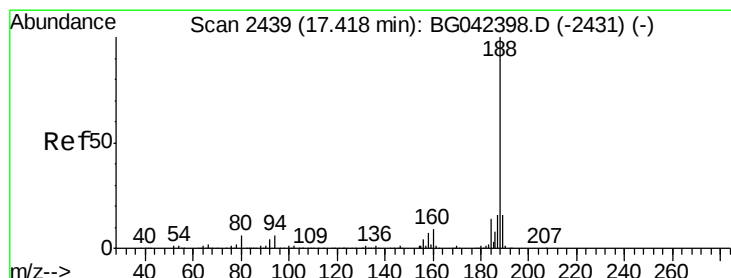
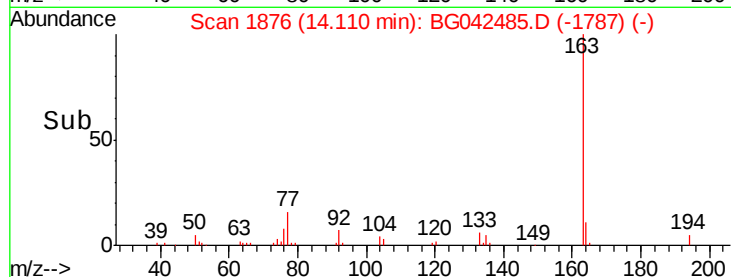
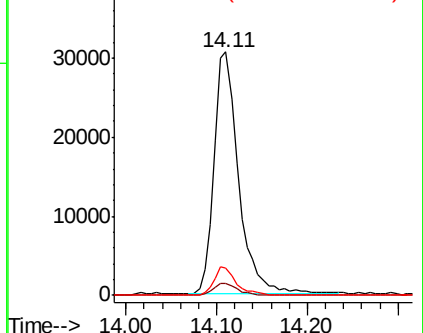
164 11.2 8.8 13.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

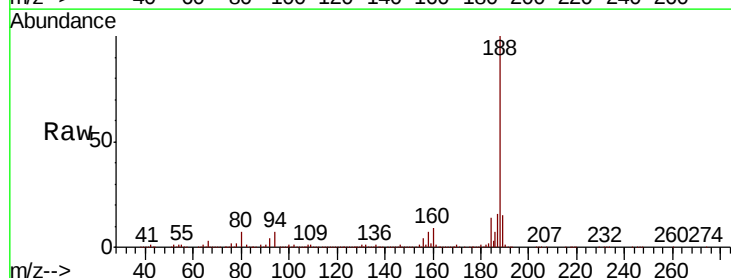
Tgt Ion:188 Resp: 340671

Ion Ratio Lower Upper

188 100

94 6.6 4.5 6.7

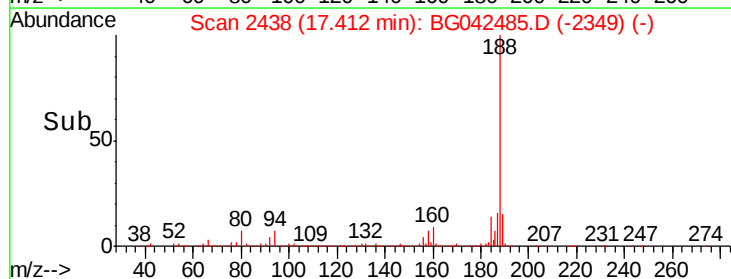
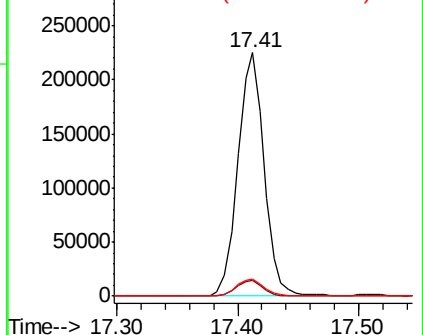
80 6.8 4.9 7.3

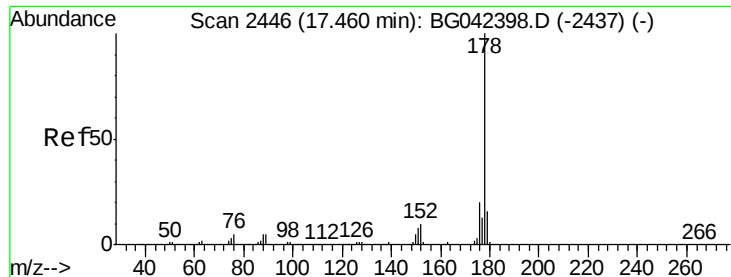


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

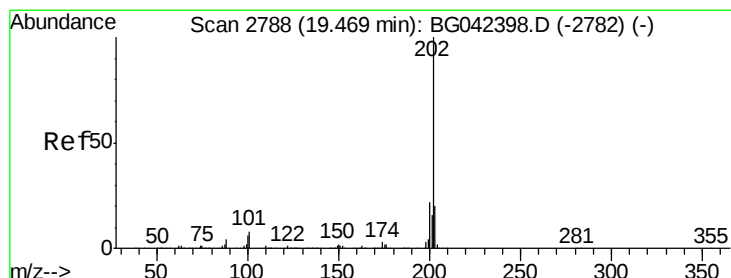
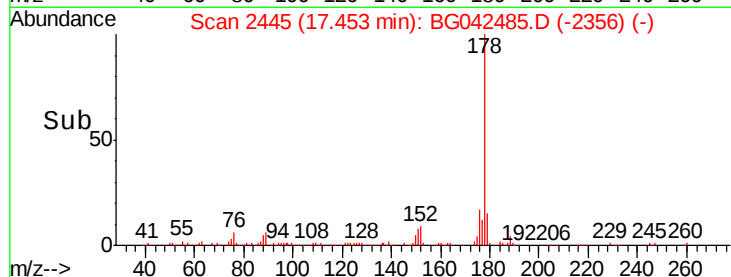
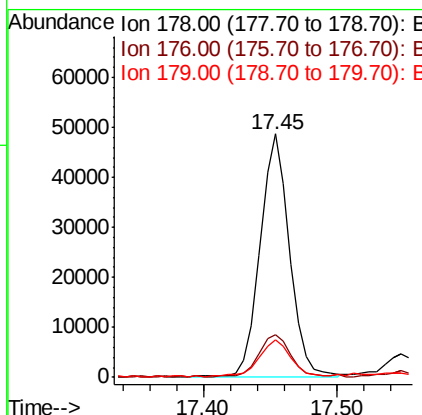
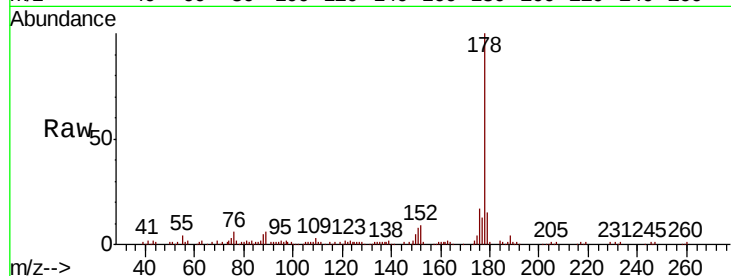




#71
Phenanthrene
Concen: 4.392 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

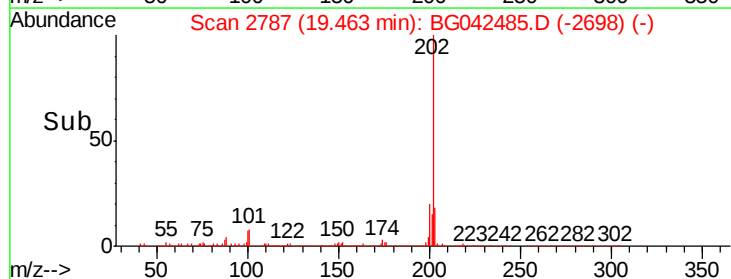
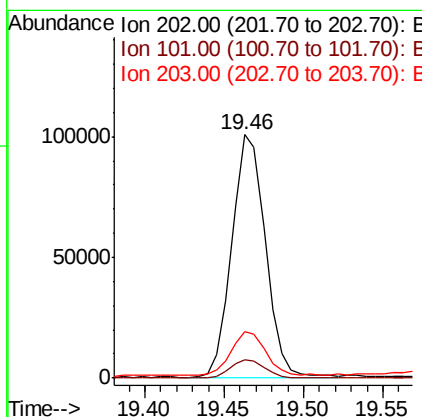
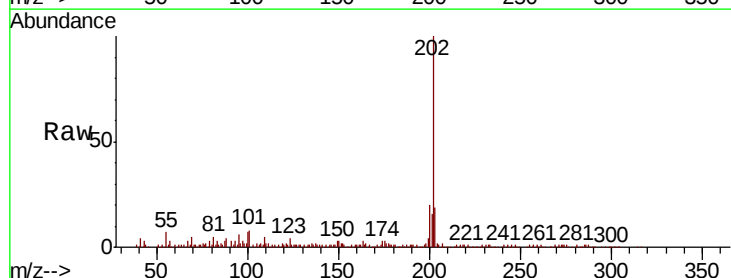
Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

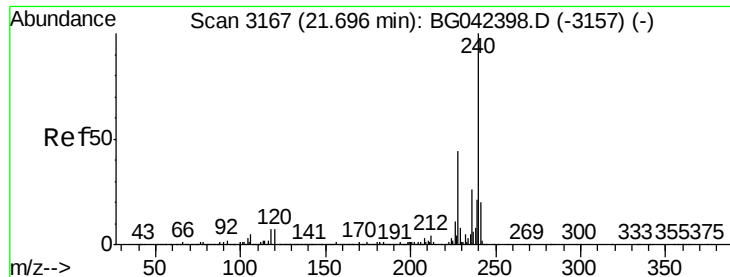
Tot Ion:178 Resp: 74326
Ion Ratio Lower Upper
178 100
176 17.5 15.9 23.9
179 15.2 12.7 19.1



#75
Fluoranthene
Concen: 7.146 ng
RT: 19.46 min Scan# 2787
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:202 Resp: 147586
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.3
203 19.0 0.0 39.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

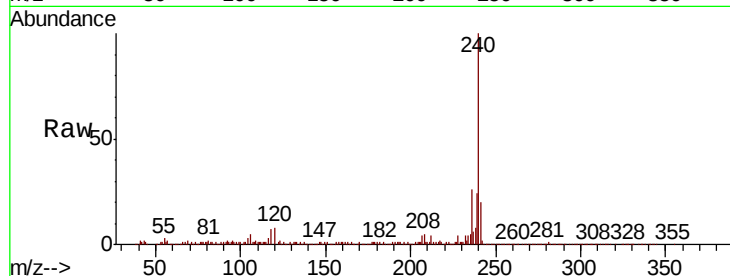
Tot Ion:240 Resp: 351149

Ion Ratio Lower Upper

240 100

120 7.9 5.7 8.5

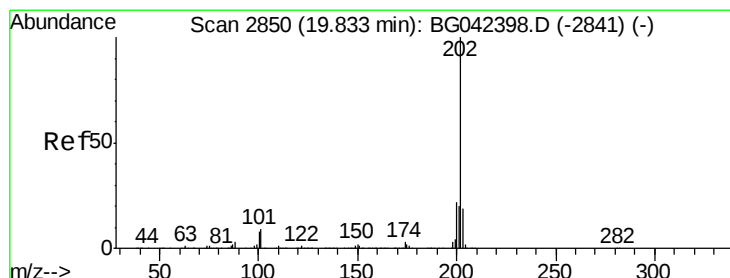
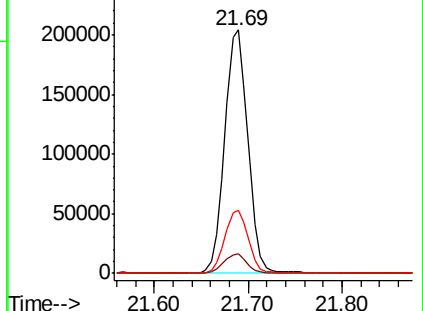
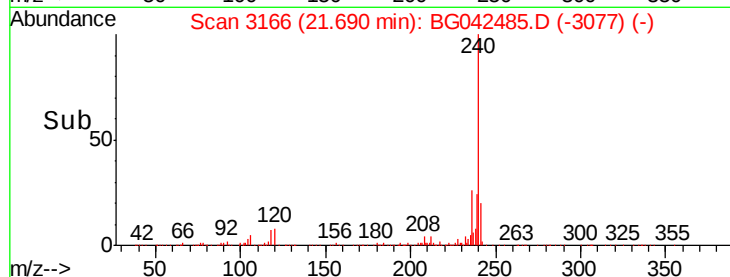
236 25.7 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.693 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

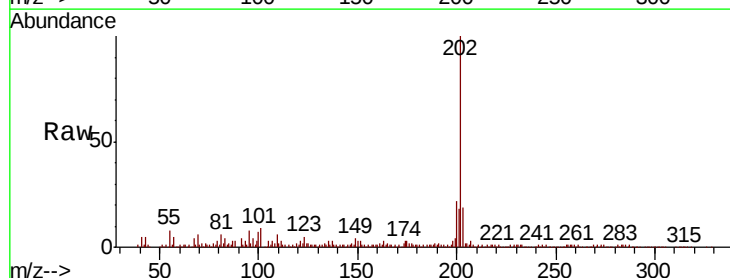
Tgt Ion:202 Resp: 122567

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

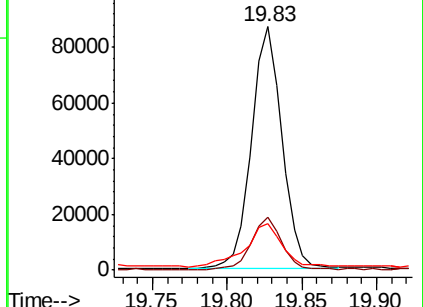
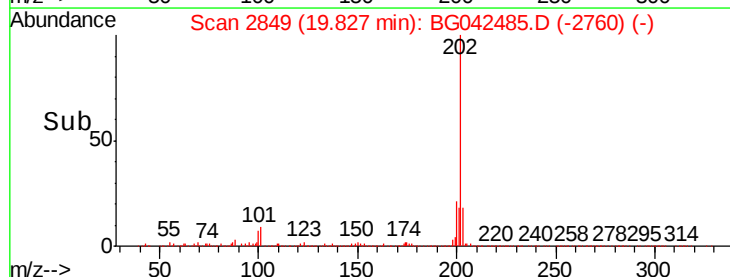
203 19.0 15.5 23.3

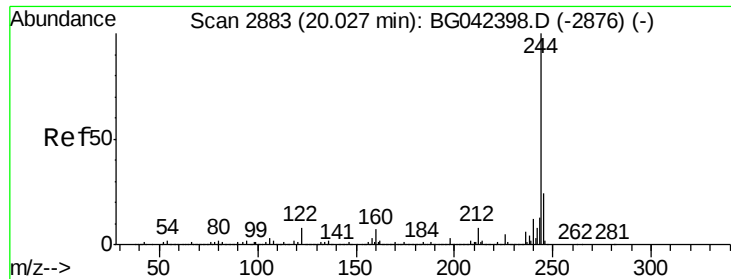


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.121 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

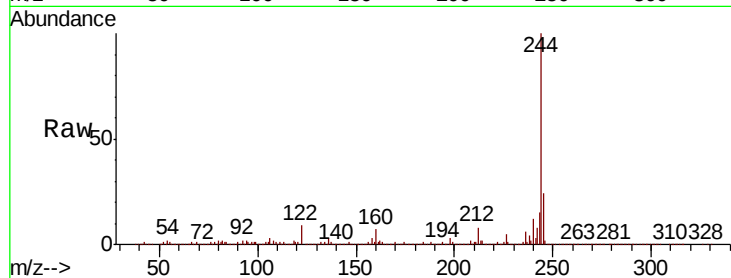
Tot Ion:244 Resp: 1431298

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

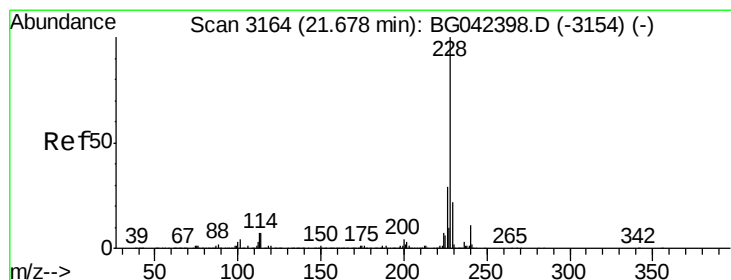
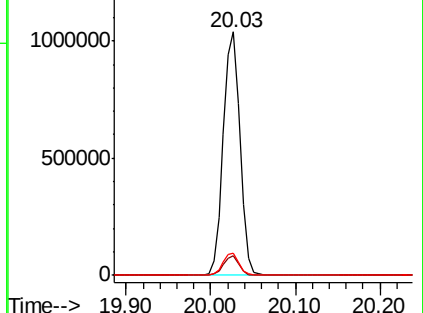
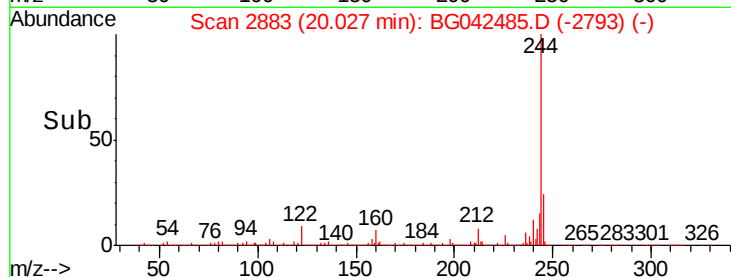
122 9.3 6.7 10.1



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: 2.727 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

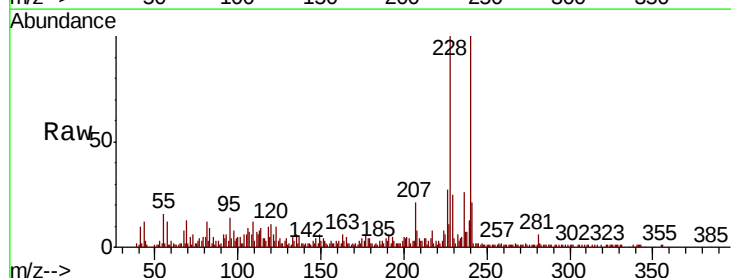
Tgt Ion:228 Resp: 58249

Ion Ratio Lower Upper

228 100

226 26.6 23.4 35.2

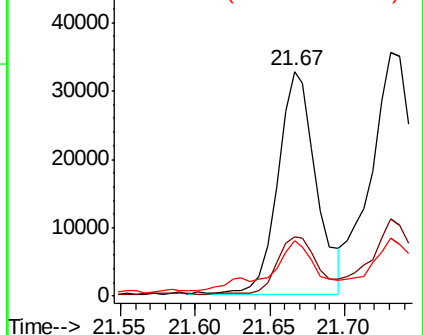
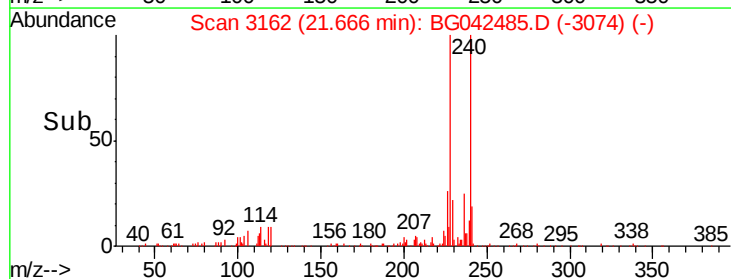
229 24.5 17.4 26.2

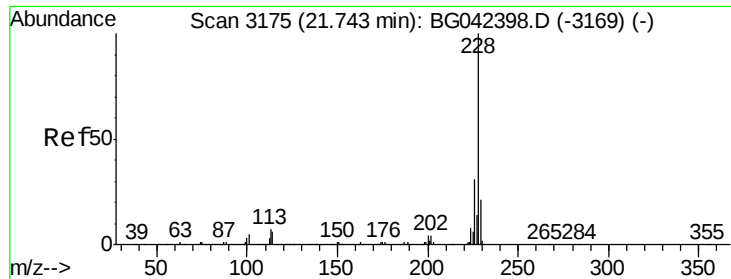


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.351 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

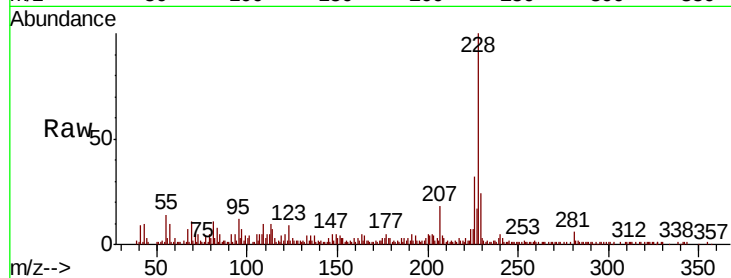
BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

Tot Ion:228 Resp: 69037

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	23.7	16.9	25.3

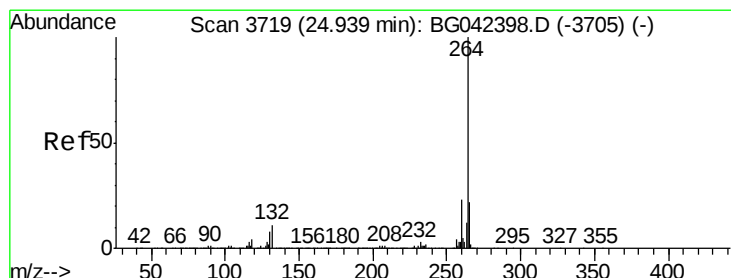
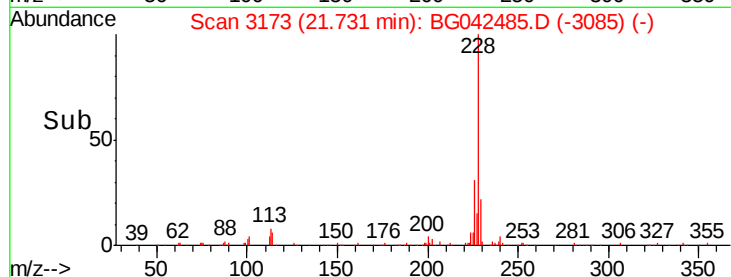
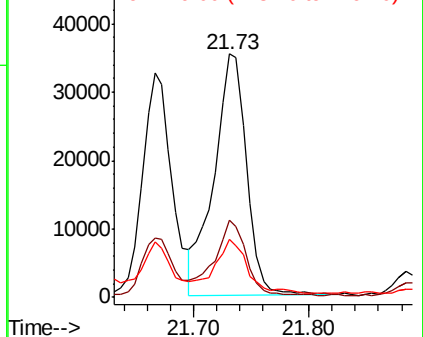


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

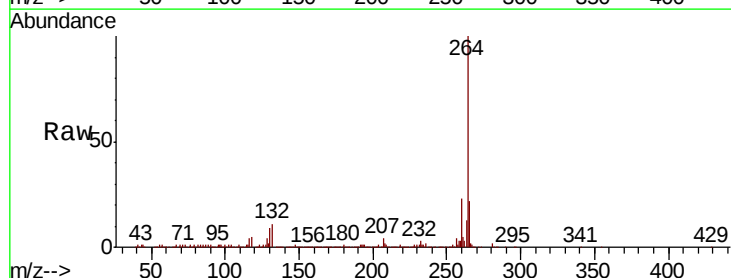
Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Tgt Ion:264 Resp: 408517

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.6	26.4

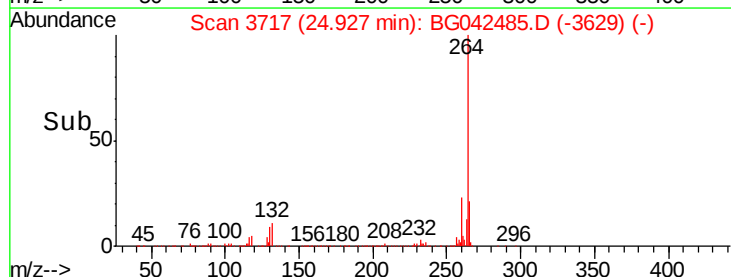
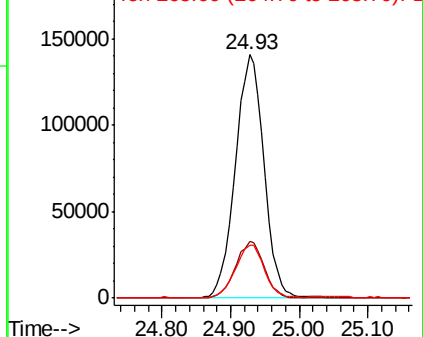


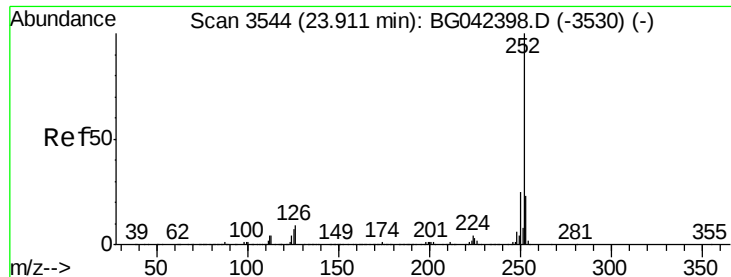
Abundance

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: 4.618 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

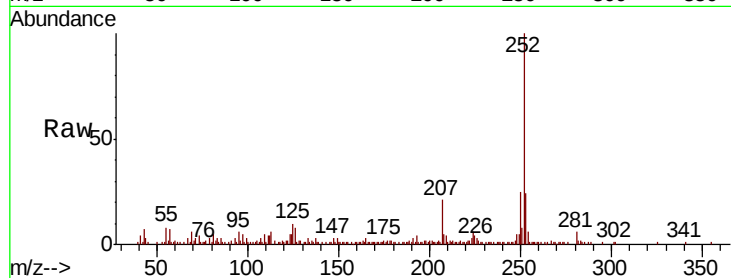
Tot Ion:252 Resp: 103704

Ion Ratio Lower Upper

252 100

253 23.8 18.6 27.8

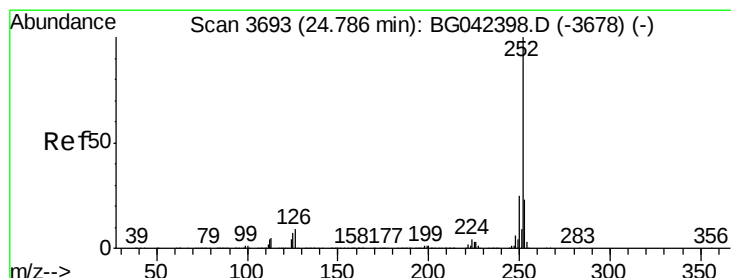
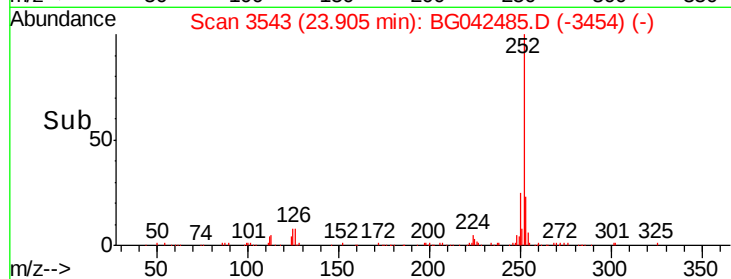
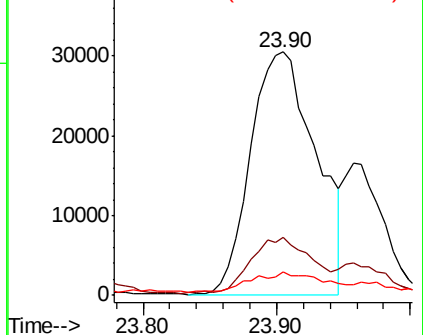
125 9.9 5.6 8.4#



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: 3.023 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

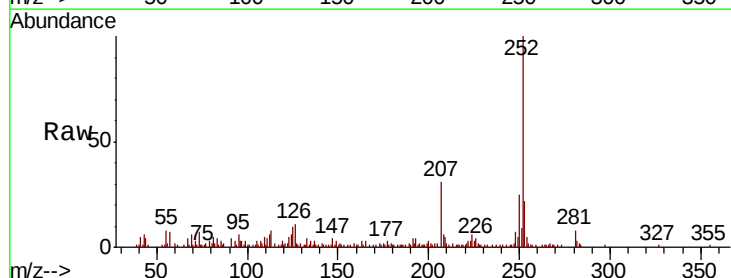
Tgt Ion:252 Resp: 64414

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

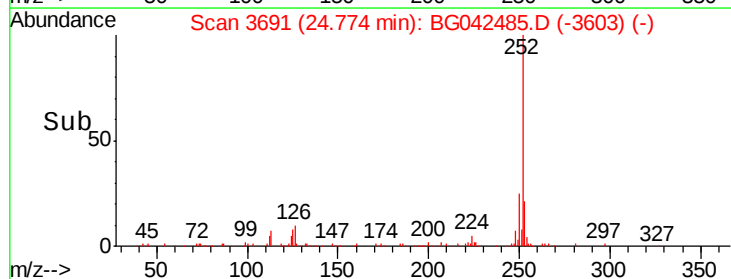
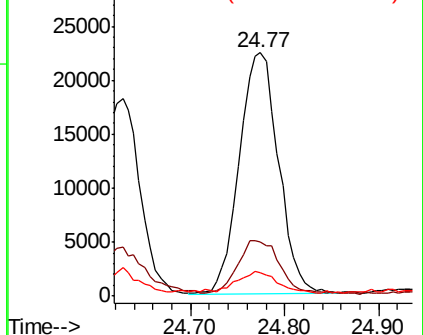
125 9.8 6.0 9.0#

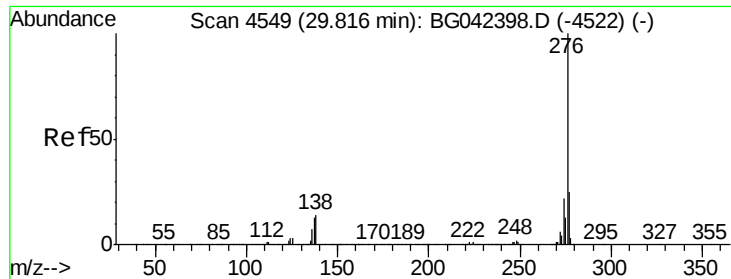


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.452 ng

RT: 29.78 min Scan# 4543

Delta R.T. -0.04 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

T9-12-13-H-(0-1.9)

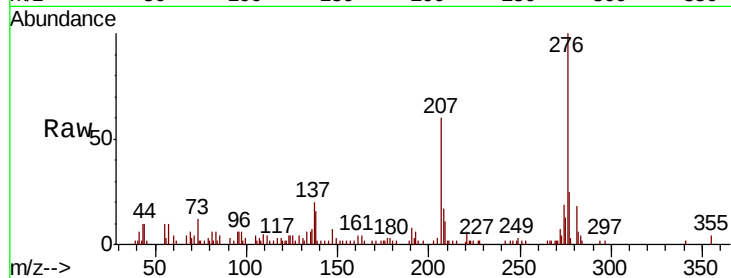
Tot Ion: 276 Resp: 52922

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.8

138 15.7 11.4 17.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

