

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040733.D
 Acq On : 3 May 2019 20:23
 Operator : JU/SJ
 Sample : K2667-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-B

Quant Time: May 04 07:16:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

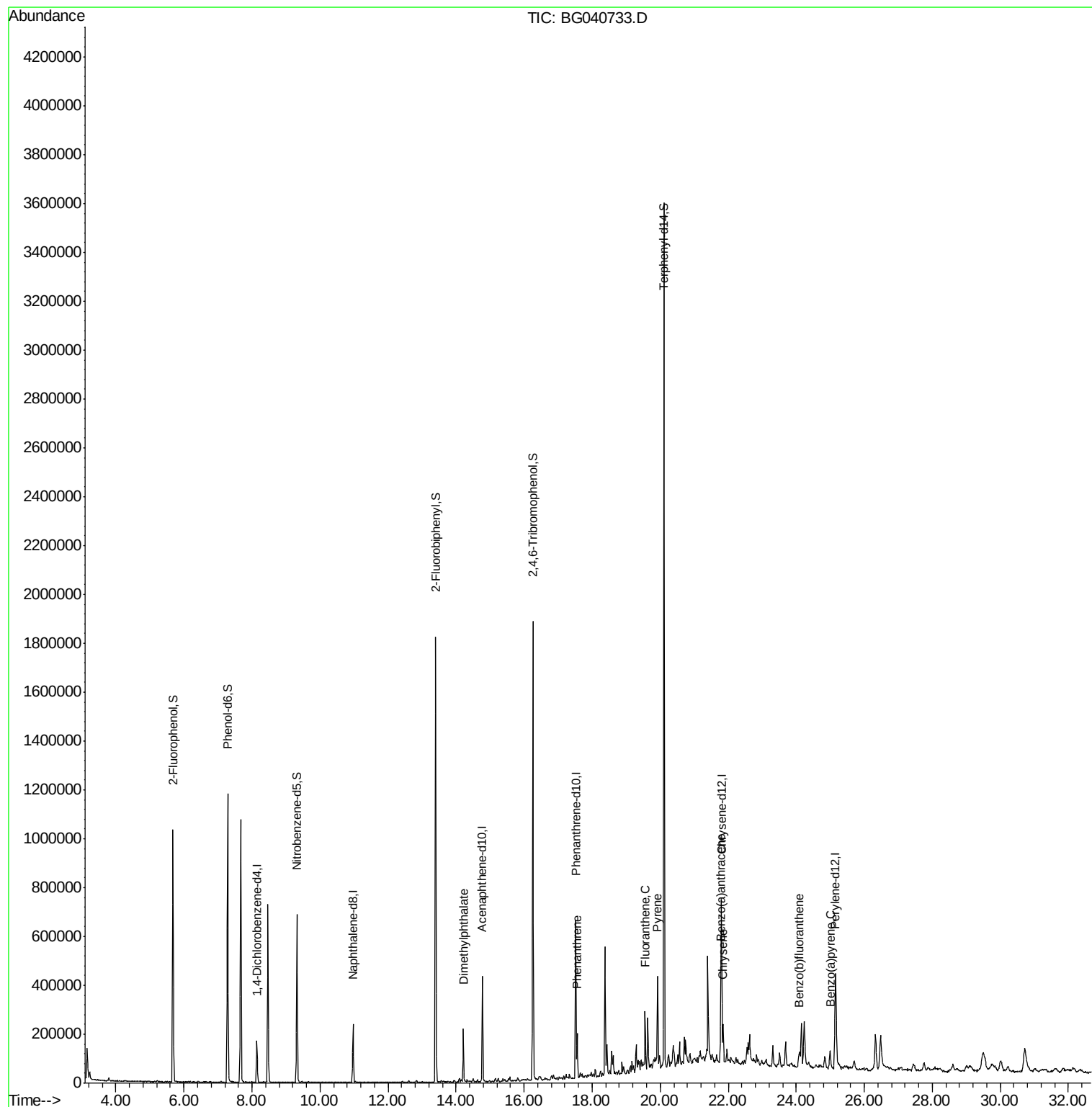
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42745	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	185912	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	142606	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	389601	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	377430	20.00	ng	-0.02
87) Perylene-d12	25.16	264	404553	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	383555	158.17	ng	0.00
7) Phenol-d6	7.28	99	586629	157.12	ng	-0.01
23) Nitrobenzene-d5	9.32	82	406228	100.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	331672	169.21	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	876813	88.80	ng	-0.02
79) Terphenyl-d14	20.11	244	1528501	89.72	ng	-0.02
Target Compounds						
50) Dimethylphthalate	14.22	163	124989	10.476	ng	Qvalue # 95
71) Phenanthrene	17.56	178	108894	5.189	ng	97
75) Fluoranthene	19.56	202	139874	5.349	ng	97
78) Pyrene	19.92	202	235803	9.968	ng	97
81) Benzo(a)anthracene	21.78	228	100527	4.214	ng	98
83) Chrysene	21.85	228	107642	4.745	ng	95
88) Benzo(b)fluoranthene	24.09	252	79975	3.235	ng	99
90) Benzo(a)pyrene	24.99	252	80745	3.450	ng	98

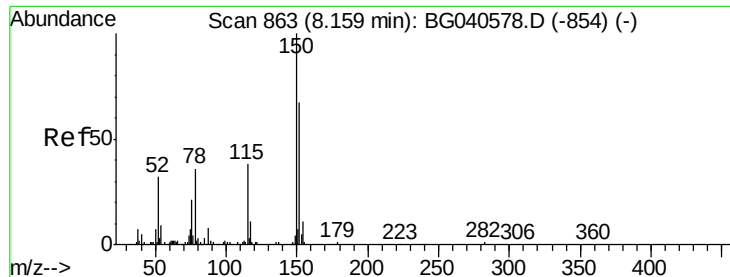
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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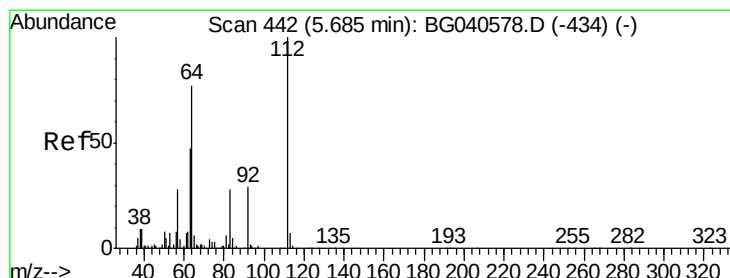
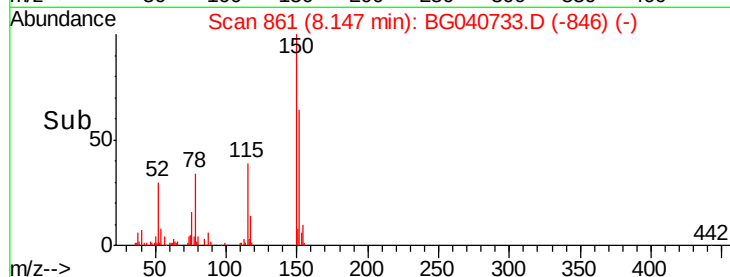
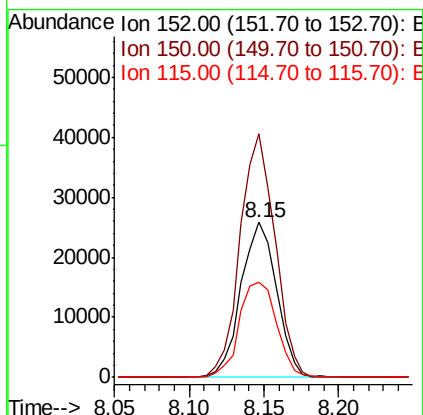
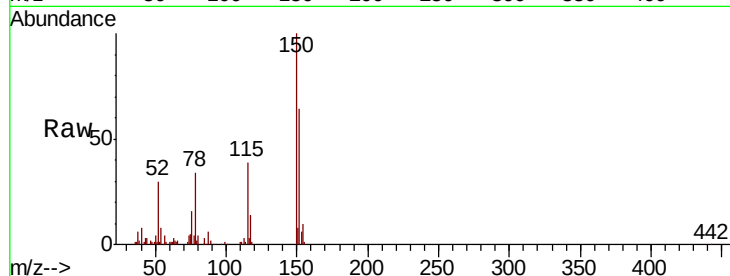


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampled :
SP-1-B

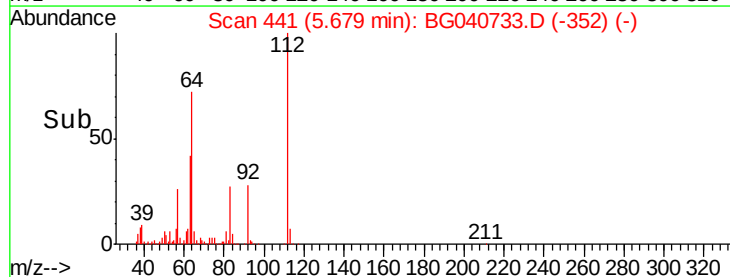
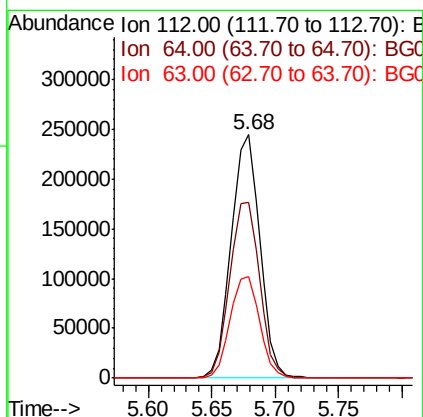
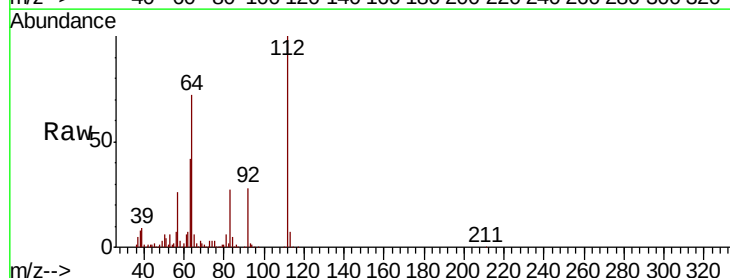
Tot Ion:152 Resp: 42745
Ion Ratio Lower Upper
152 100
150 157.4 120.2 180.2
115 61.8 46.2 69.2

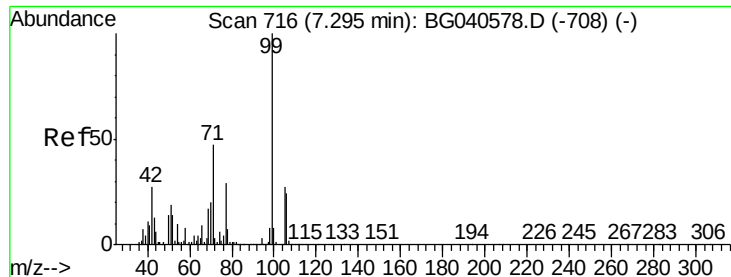


#5

2-Fluorophenol
Concen: 158.175 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:112 Resp: 383555
Ion Ratio Lower Upper
112 100
64 72.4 61.4 92.0
63 41.7 37.8 56.6





#7

Phenol-d6

Concen: 157.120 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampled :

SP-1-B

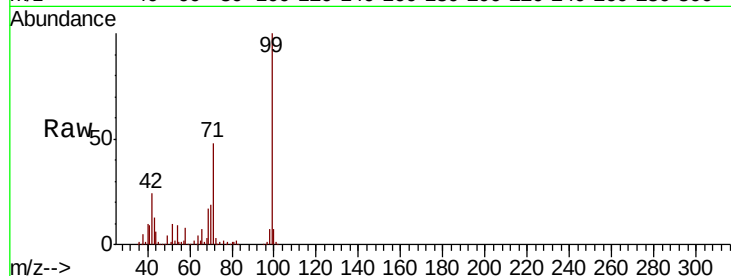
Tot Ion: 99 Resp: 586629

Ion Ratio Lower Upper

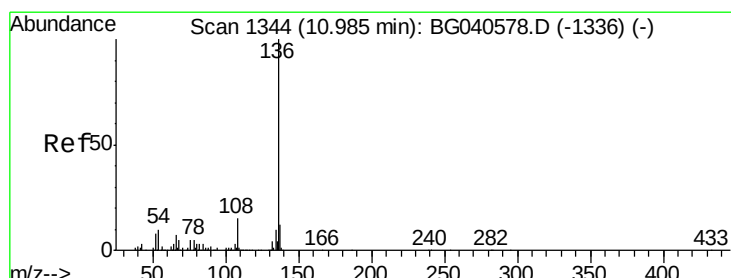
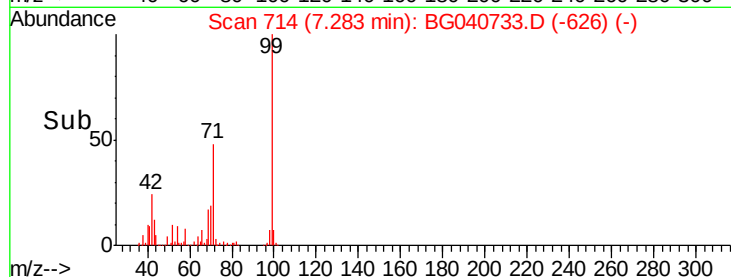
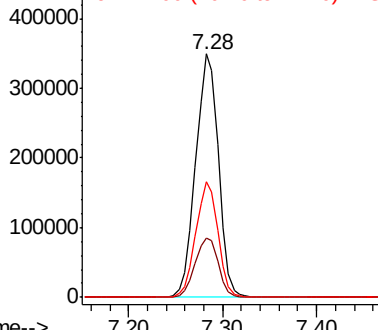
99 100

42 24.2 21.8 32.8

71 47.6 38.6 57.8



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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Tgt Ion: 136 Resp: 185912

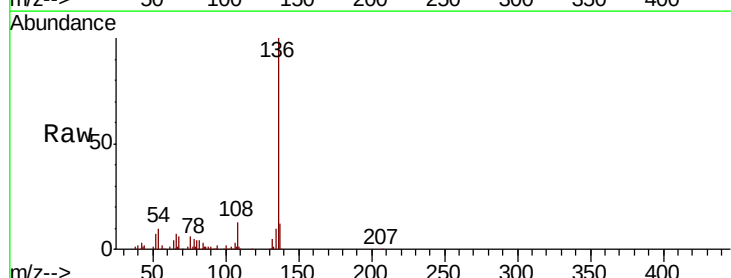
Ion Ratio Lower Upper

136 100

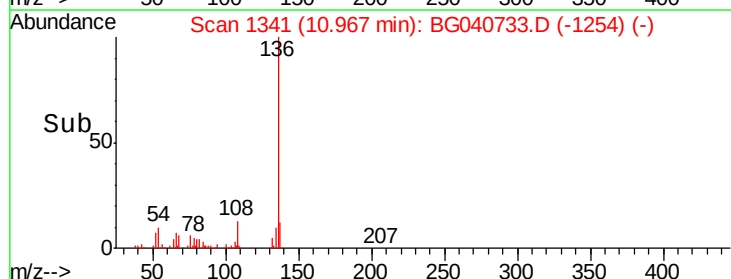
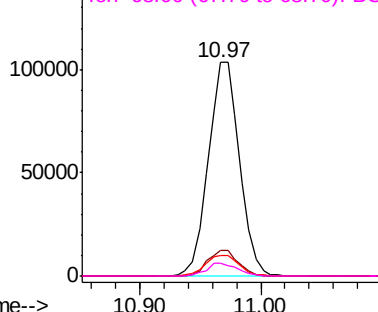
137 11.7 9.7 14.5

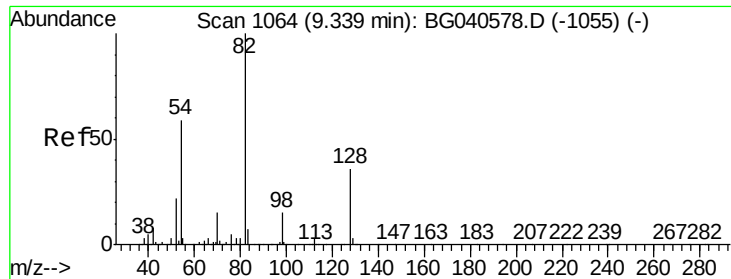
54 9.9 8.6 12.8

68 5.8 4.8 7.2



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

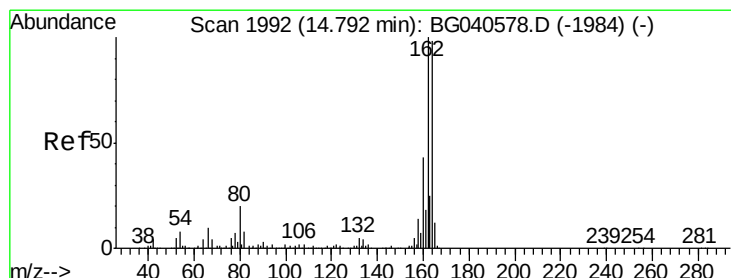
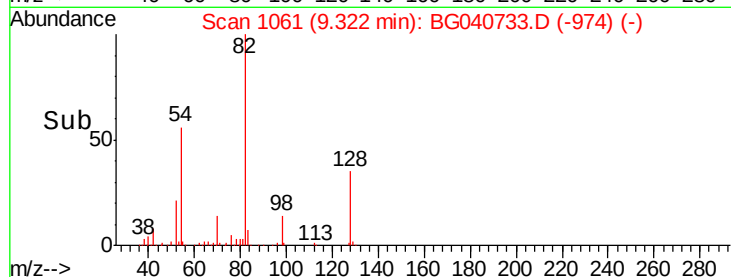
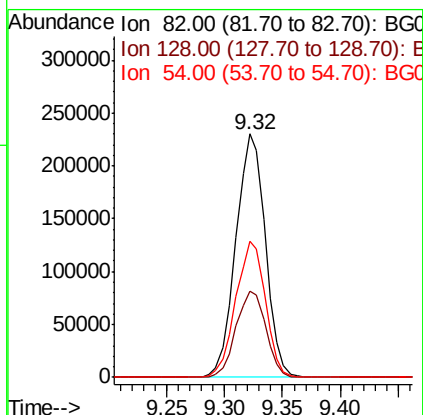
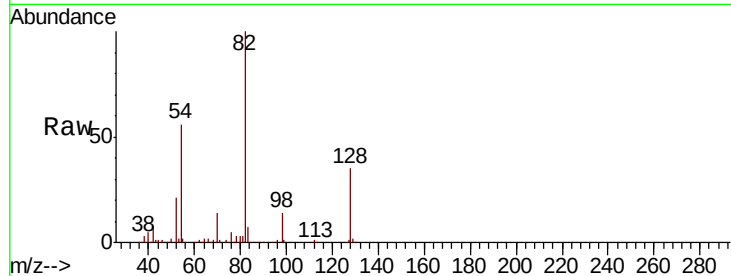




#23
 Nitrobenzene-d5
 Concen: 100.963 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040733.D
 Acq: 3 May 2019 20:23

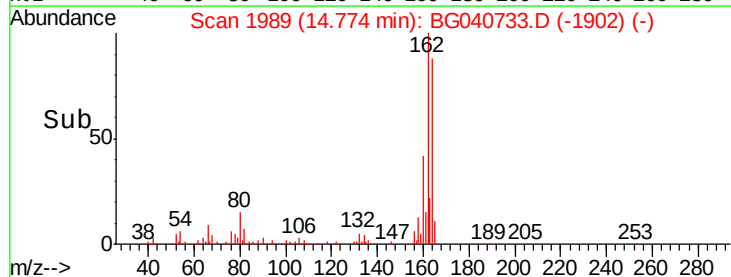
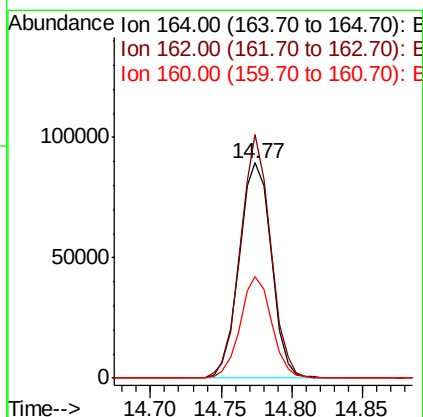
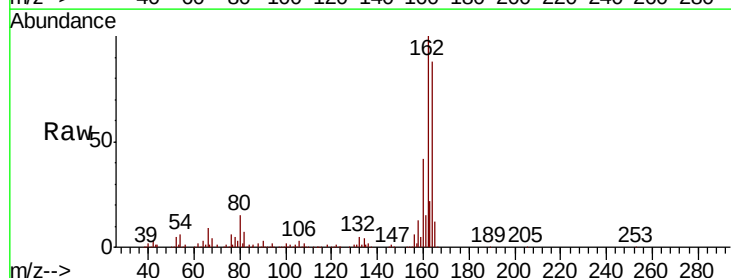
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-B

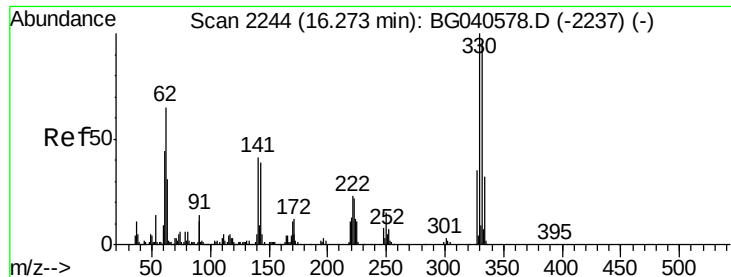
Tot Ion	82	Resp	406228
Ion Ratio	Lower	Upper	
82	100		
128	35.4	28.9	43.3
54	56.1	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG040733.D
 Acq: 3 May 2019 20:23

Tgt Ion	164	Resp	142606
Ion Ratio	Lower	Upper	
164	100		
162	113.1	81.9	122.9
160	47.1	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 169.207 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampleId :

SP-1-B

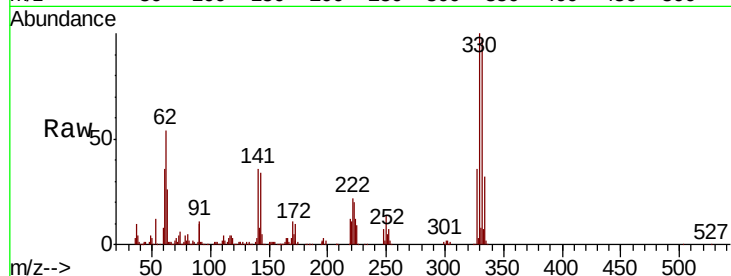
Tot Ion:330 Resp: 331672

Ion Ratio Lower Upper

330 100

332 97.1 75.9 113.9

141 37.7 32.4 48.6

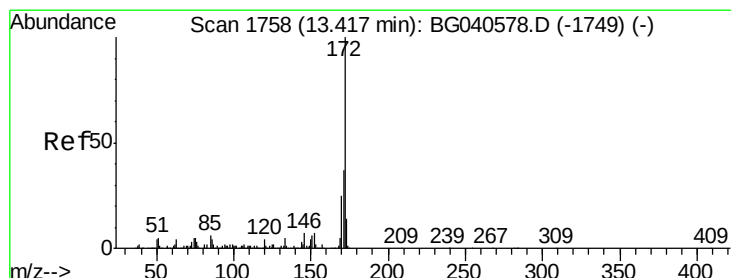
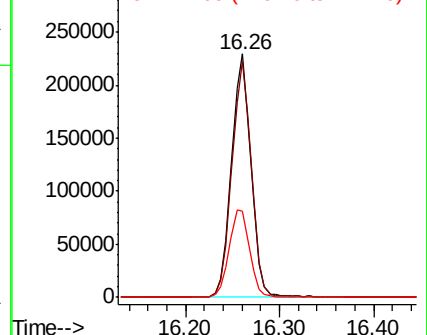
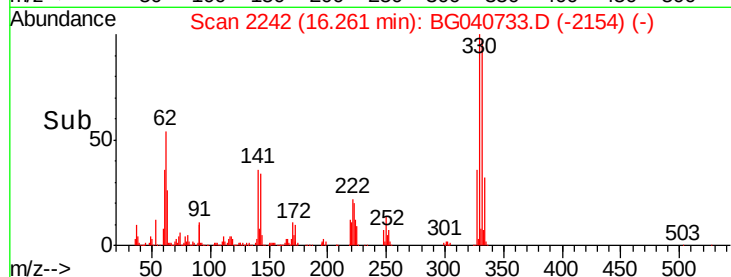


Abundance

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: 88.797 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

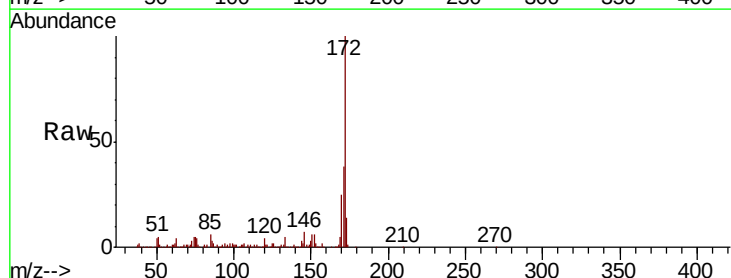
Tgt Ion:172 Resp: 876813

Ion Ratio Lower Upper

172 100

171 38.0 29.4 44.2

170 25.4 19.9 29.9

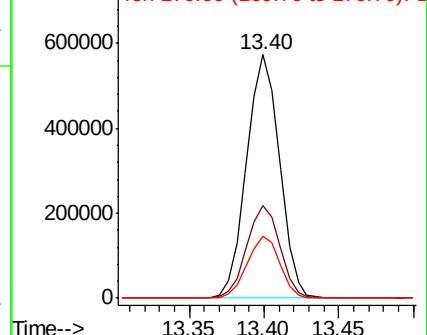
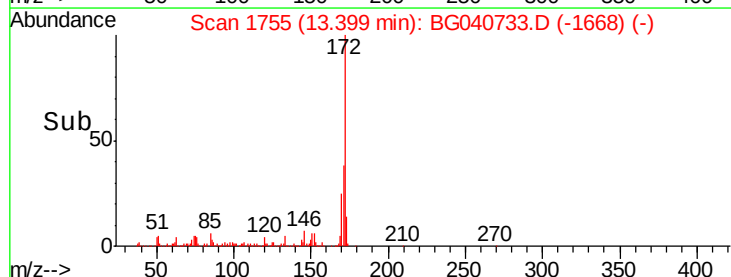


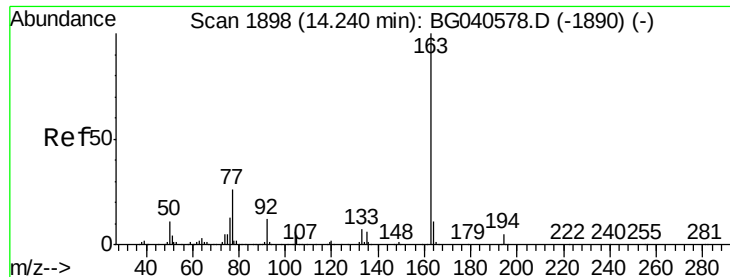
Abundance

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: 10.476 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampleId :

SP-1-B

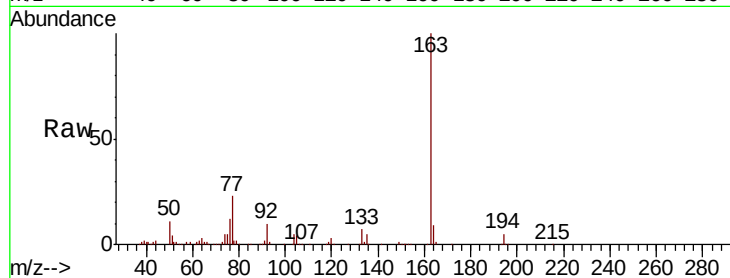
Tot Ion:163 Resp: 124989

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

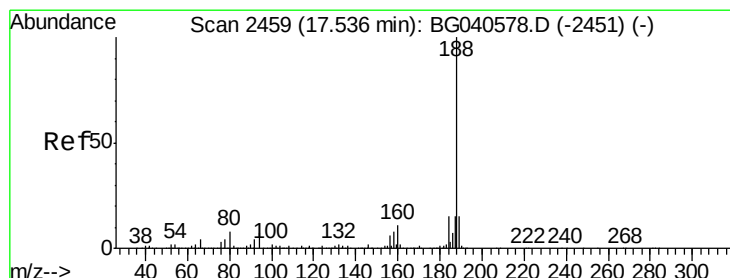
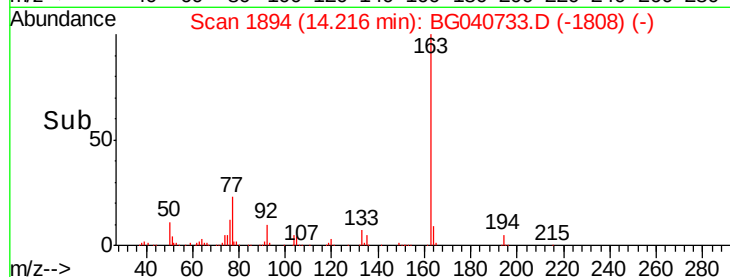
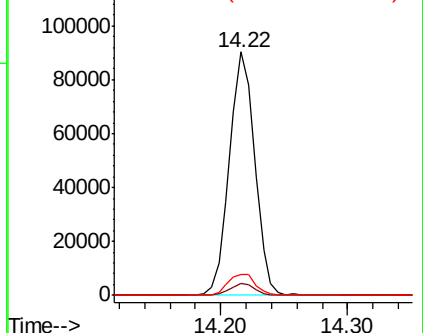
164 8.5 8.8 13.2#



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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

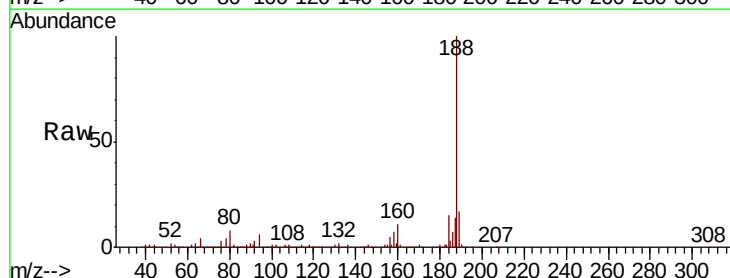
Tgt Ion:188 Resp: 389601

Ion Ratio Lower Upper

188 100

94 6.4 5.6 8.4

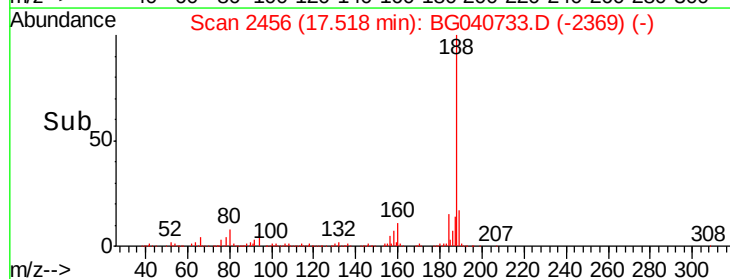
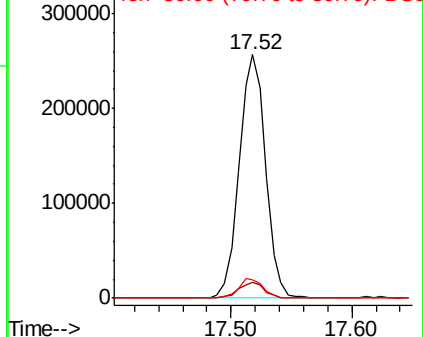
80 7.6 6.4 9.6

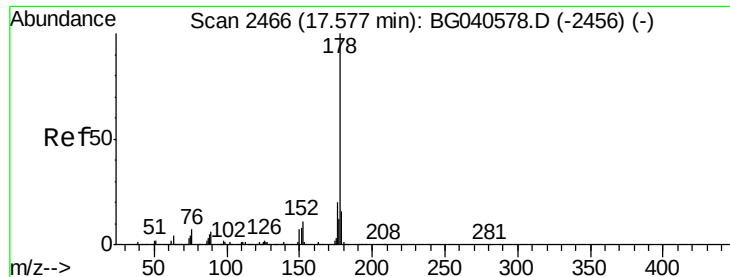


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

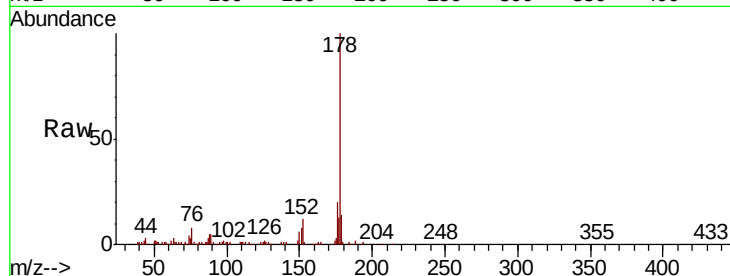




#71
Phenanthrene
Concen: 5.189 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.6
179	14.2	12.6	18.8

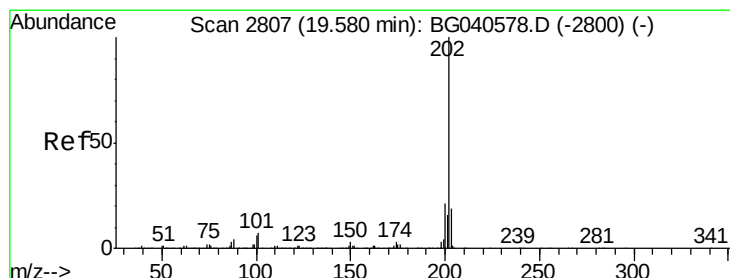
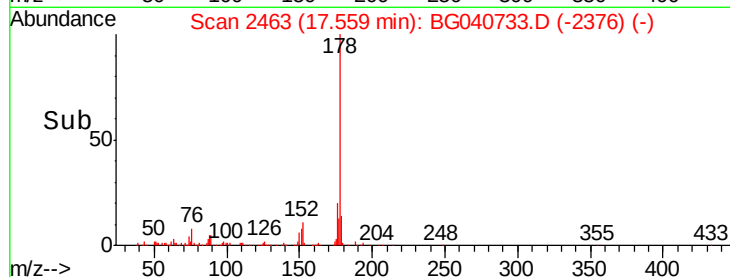
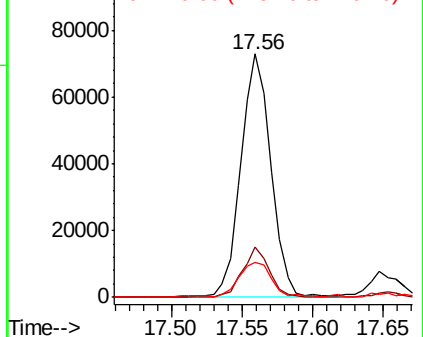


Abundance

Ion 178.00 (177.70 to 178.70): E

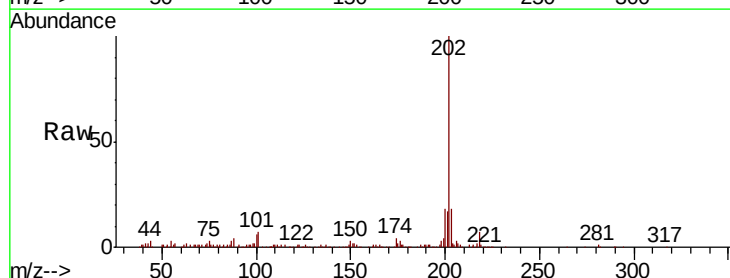
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 5.349 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	27.5
203	17.9	0.0	39.3

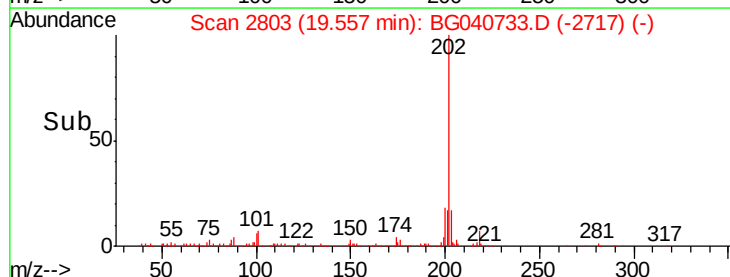
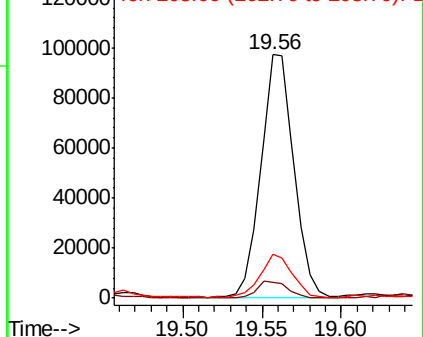


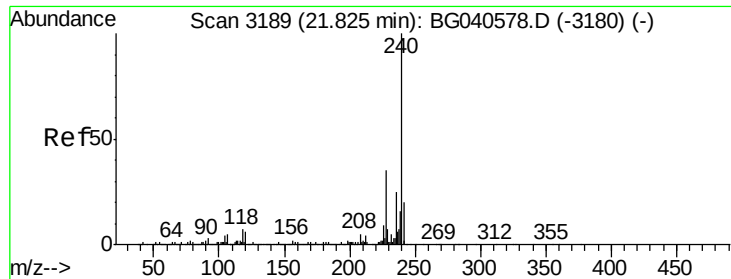
Abundance

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

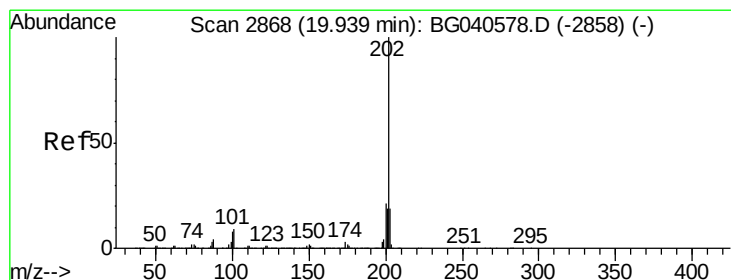
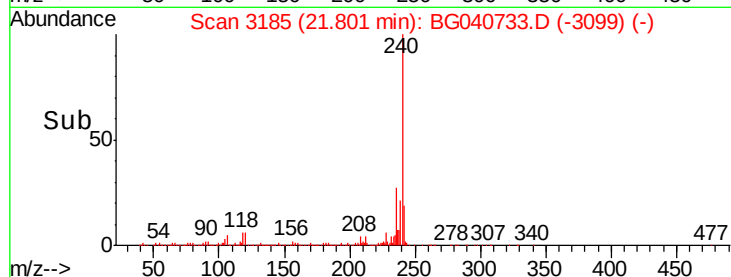
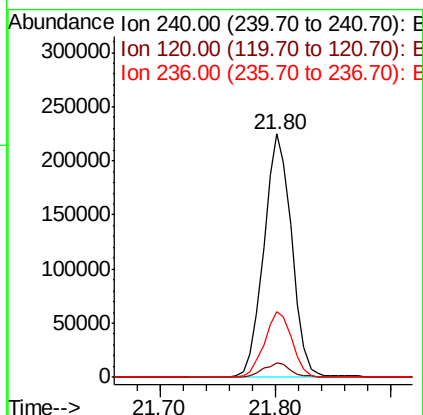
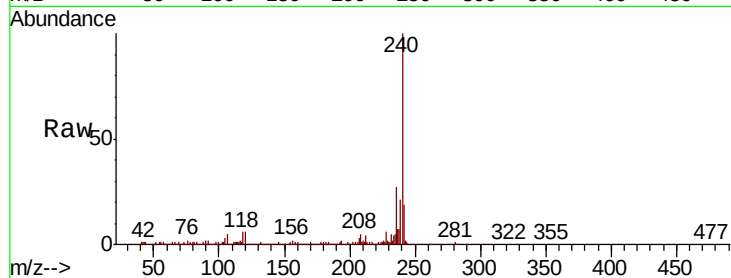




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

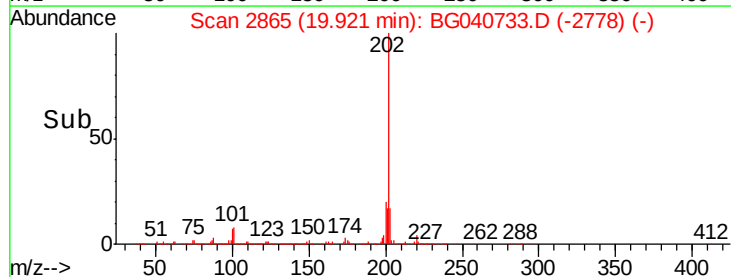
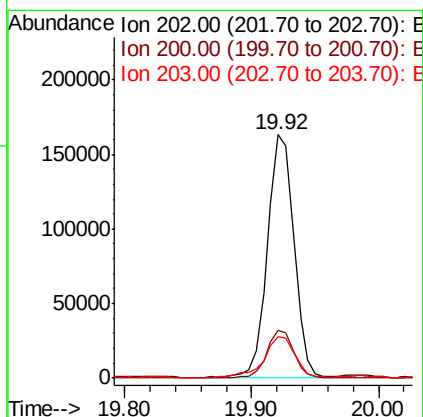
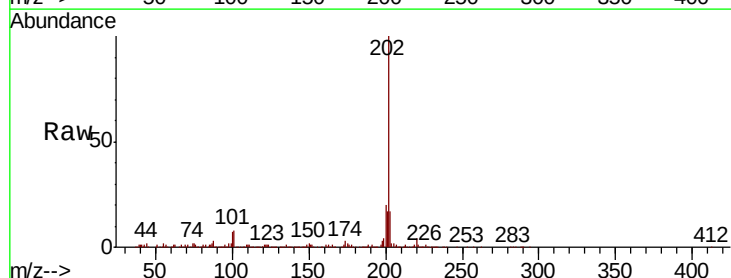
Instrument :
BNA_G
ClientSampleId :
SP-1-B

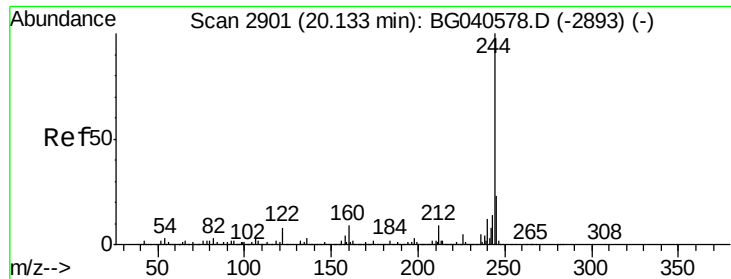
Tot Ion:240 Resp: 377430
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.6
236 26.8 20.3 30.5



#78
Pyrene
Concen: 9.968 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:202 Resp: 235803
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 17.2 15.0 22.4





#79

Terphenyl-d14

Concen: 89.719 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampleId :

SP-1-B

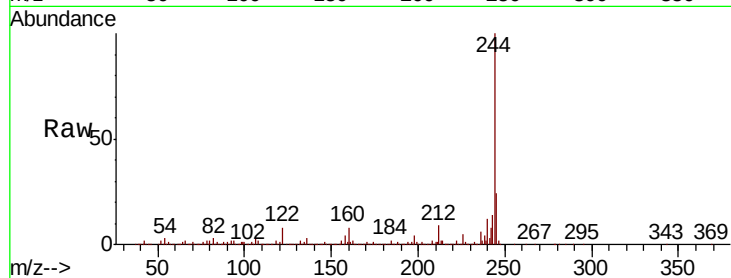
Tot Ion:244 Resp: 1528501

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

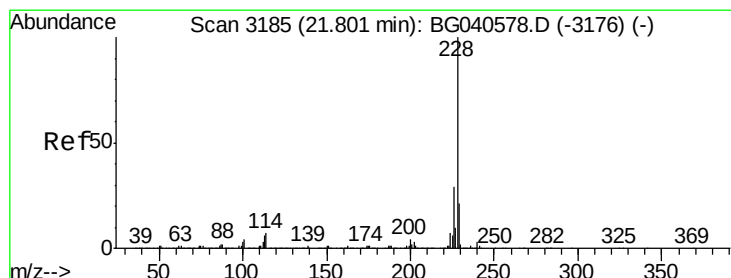
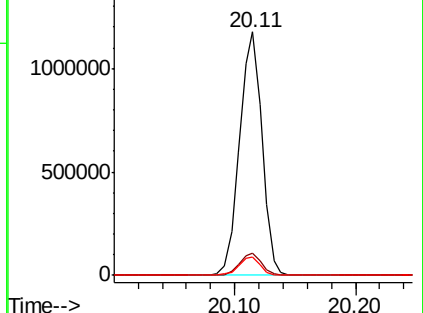
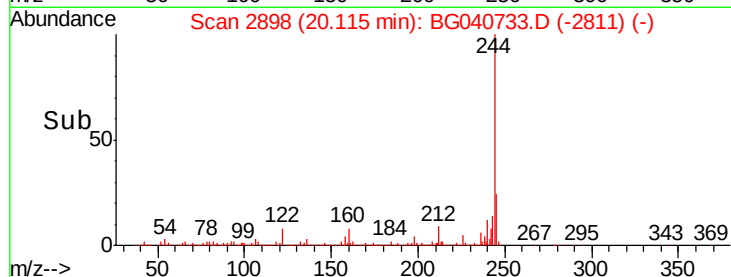
122 7.7 6.6 10.0



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: 4.214 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

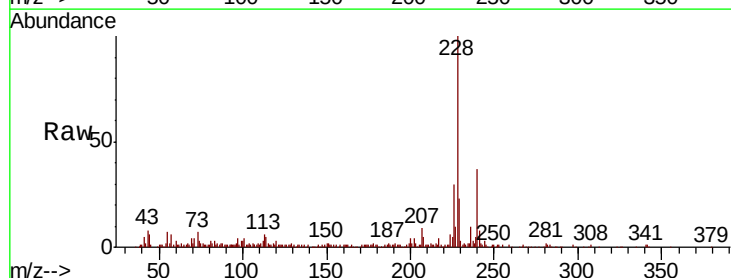
Tgt Ion:228 Resp: 100527

Ion Ratio Lower Upper

228 100

226 29.5 23.1 34.7

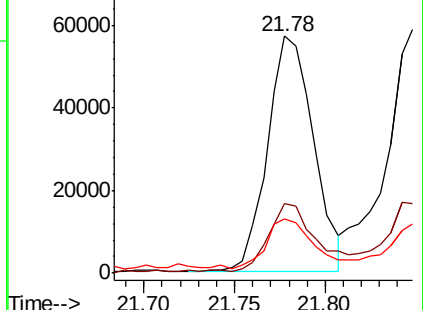
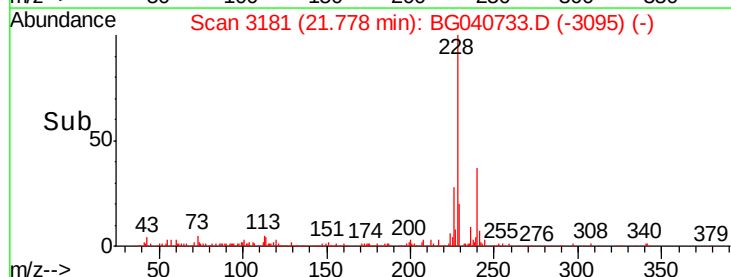
229 23.0 17.0 25.4

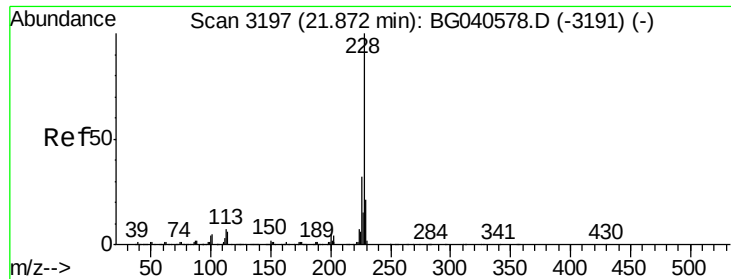


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.745 ng

RT: 21.85 min Scan# 3193

Delta R.T. -0.02 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampleId :

SP-1-B

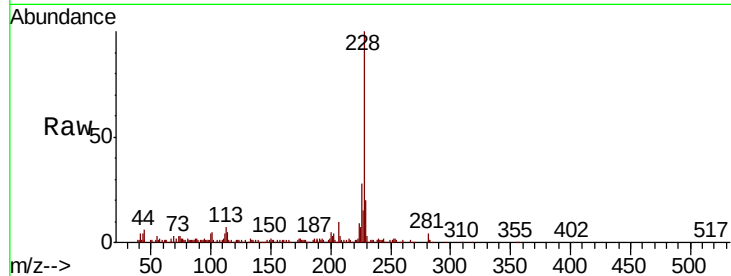
Tot Ion:228 Resp: 107642

Ion Ratio Lower Upper

228 100

226 28.4 25.5 38.3

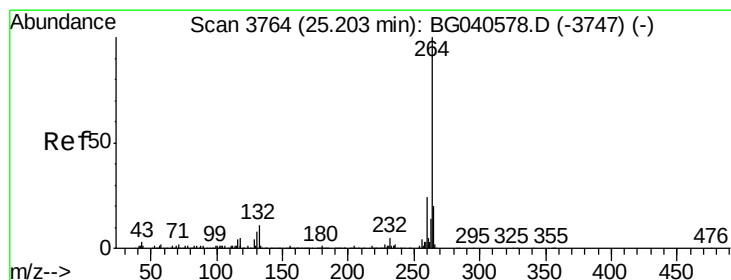
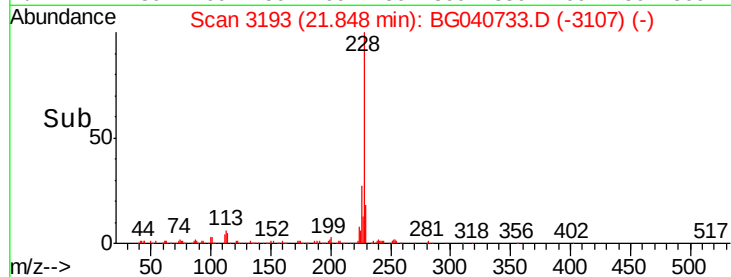
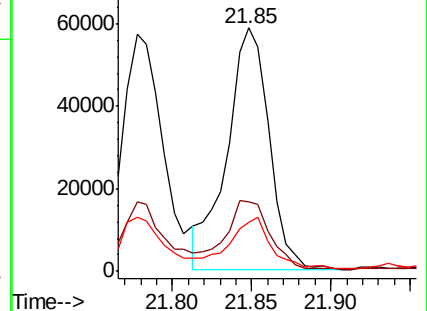
229 20.1 16.8 25.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

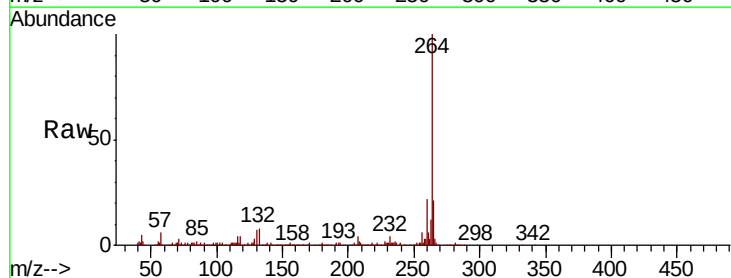
Tgt Ion:264 Resp: 404553

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

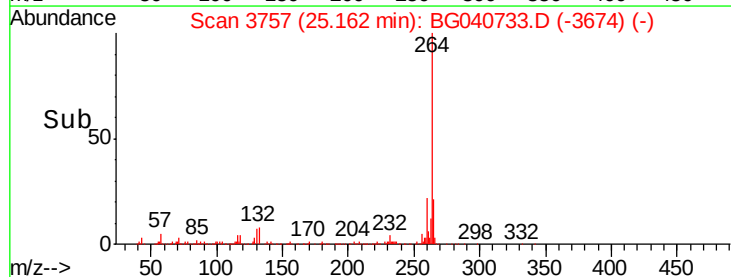
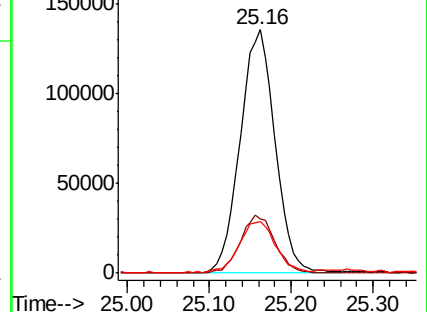
265 21.2 16.6 25.0

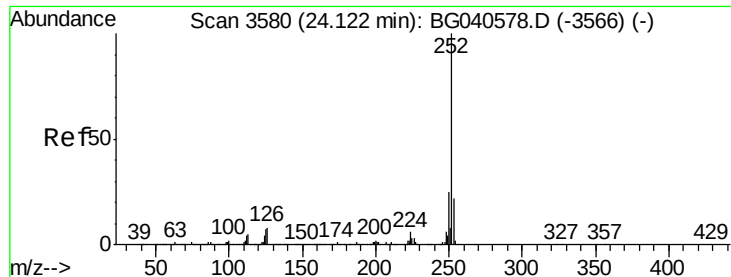


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.235 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.04 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

Instrument :

BNA_G

ClientSampleId :

SP-1-B

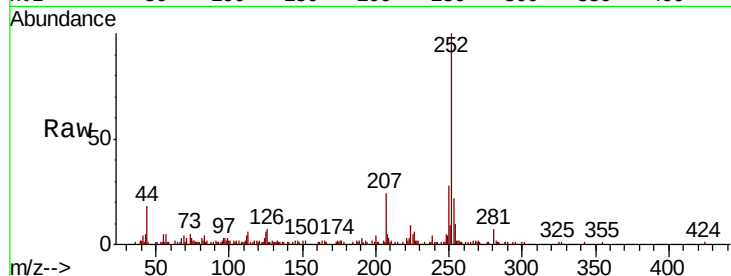
Tot Ion:252 Resp: 79975

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

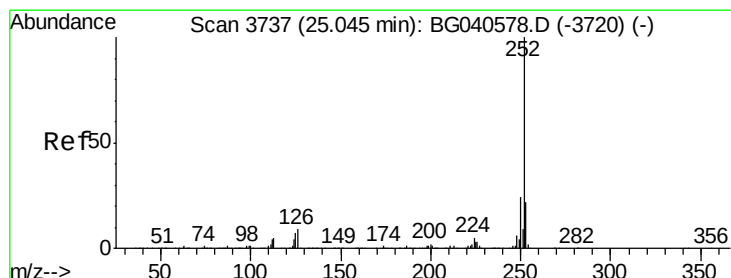
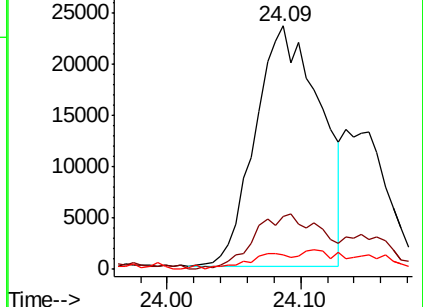
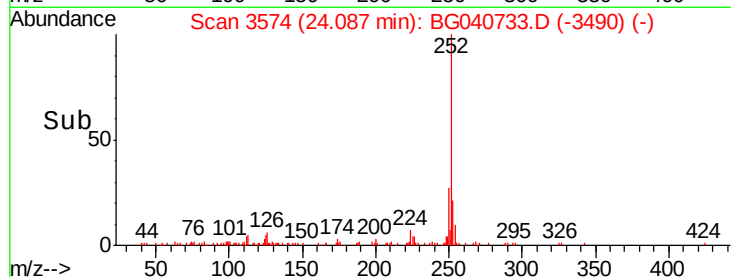
125 5.7 5.4 8.0



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



#90

Benzo(a)pyrene

Concen: 3.450 ng

RT: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG040733.D

Acq: 3 May 2019 20:23

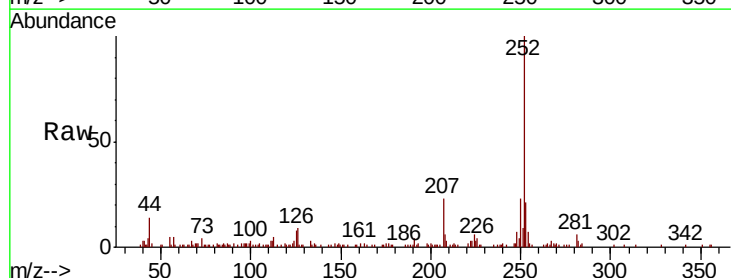
Tgt Ion:252 Resp: 80745

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 8.4 5.7 8.5



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

