

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044840.D
 Acq On : 17 Mar 2020 19:50
 Operator : CG/JU
 Sample : L1912-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z3-S2

Quant Time: Mar 18 01:57:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

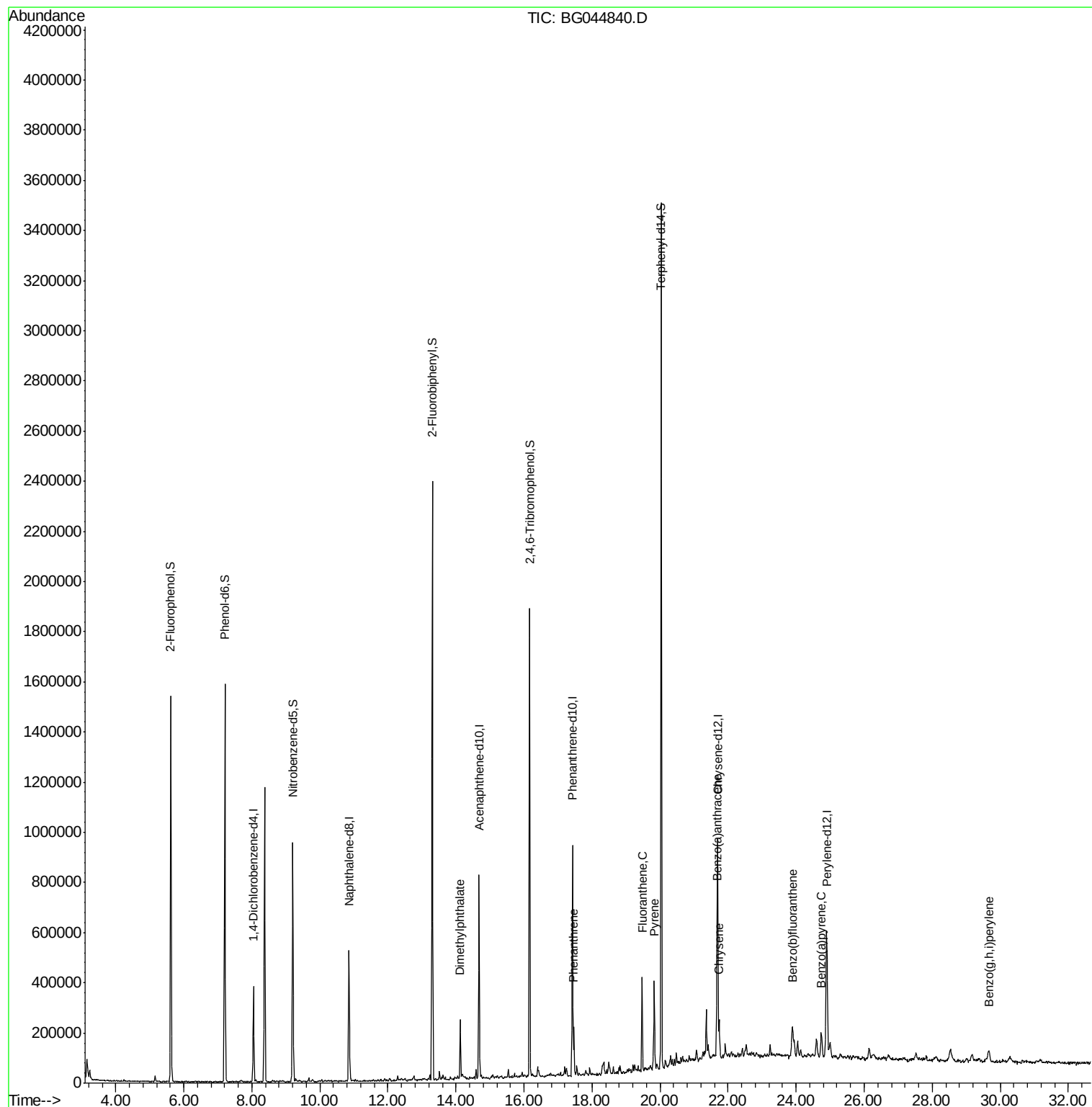
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	108105	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	447824	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	289348	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	589091	20.00	ng	0.00
76) Chrysene-d12	21.69	240	501792	20.00	ng	0.00
87) Perylene-d12	24.90	264	564335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	673603	97.00	ng	0.00
7) Phenol-d6	7.20	99	974107	96.54	ng	0.00
23) Nitrobenzene-d5	9.20	82	631657	61.89	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	368747	97.33	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1287499	63.72	ng	0.00
79) Terphenyl-d14	20.04	244	1661349	61.93	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.13	163	149423	6.484	ng	99
71) Phenanthrene	17.46	178	113190	3.596	ng	99
75) Fluoranthene	19.47	202	232839	6.212	ng	95
78) Pyrene	19.83	202	217582	5.910	ng	98
81) Benzo(a)anthracene	21.67	228	121689	3.368	ng	97
83) Chrysene	21.74	228	111979	3.244	ng	96
88) Benzo(b)fluoranthene	23.88	252	148432	3.984	ng	97
90) Benzo(a)pyrene	24.75	252	116138	3.331	ng	99
92) Benzo(g,h,i)perylene	29.67	276	73177	2.106	ng	# 92

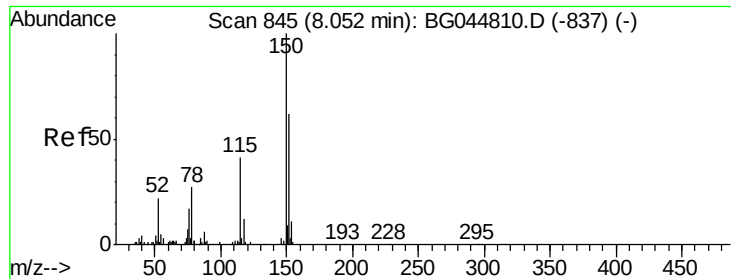
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044840.D
Acq On : 17 Mar 2020 19:50
Operator : CG/JU
Sample : L1912-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
Z3-S2

Quant Time: Mar 18 01:57:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration



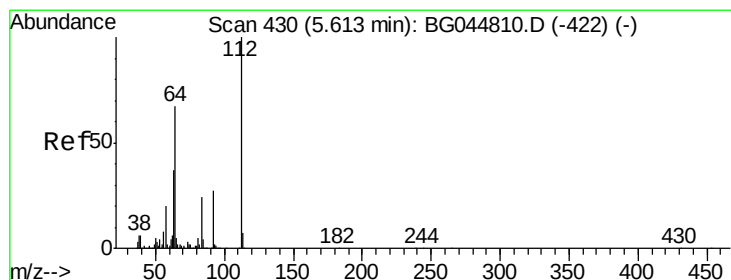
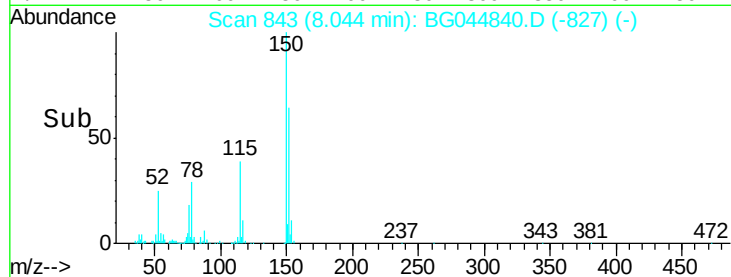
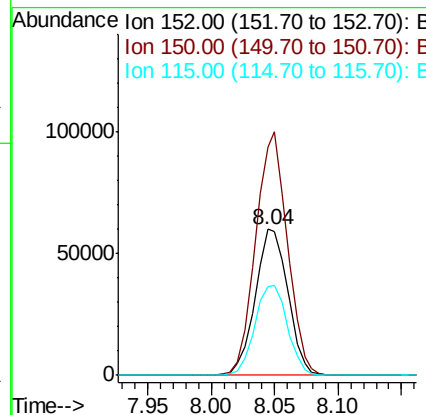
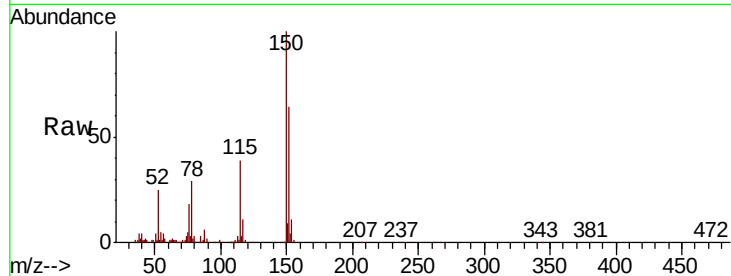


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

Instrument :
 BNA_G
 ClientSampleId :
 Z3-S2

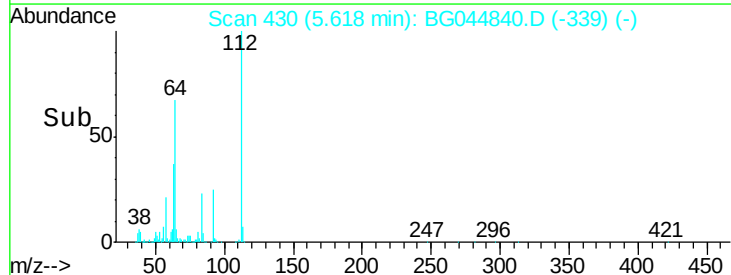
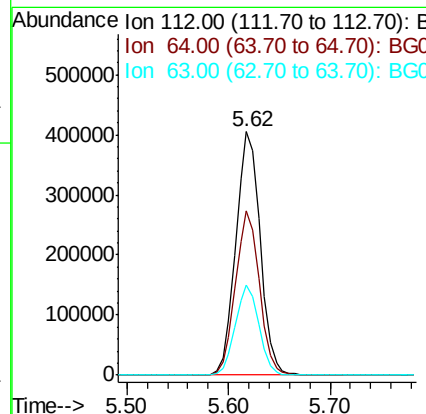
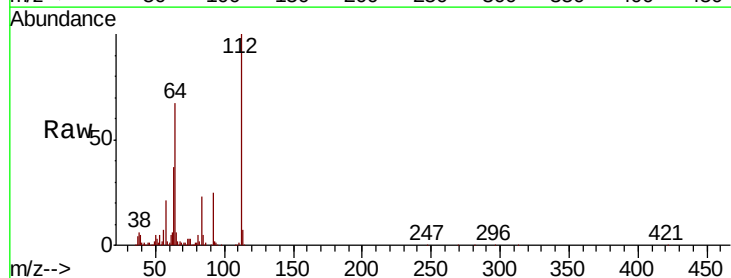
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.8	193.2
115	60.9	52.6	79.0

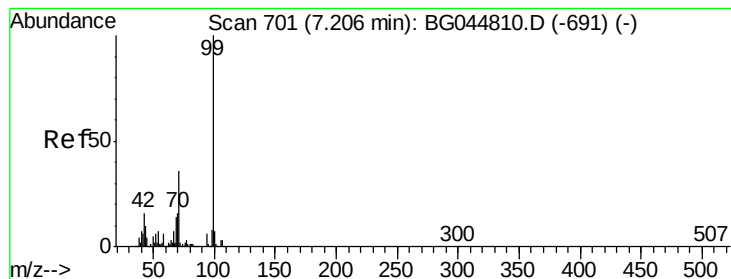


#5

2-Fluorophenol
 Concen: 96.998 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	36.8	29.4	44.2





#7

Phenol-d6

Concen: 96.543 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

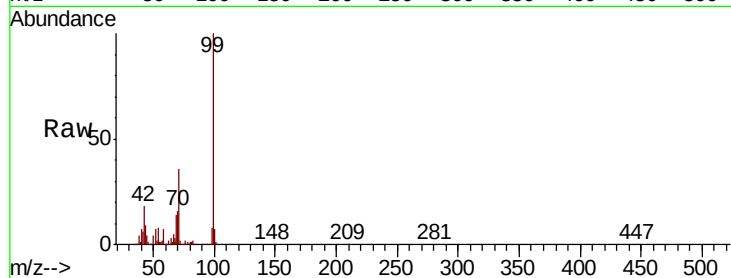
Tot Ion: 99 Resp: 974107

Ion Ratio Lower Upper

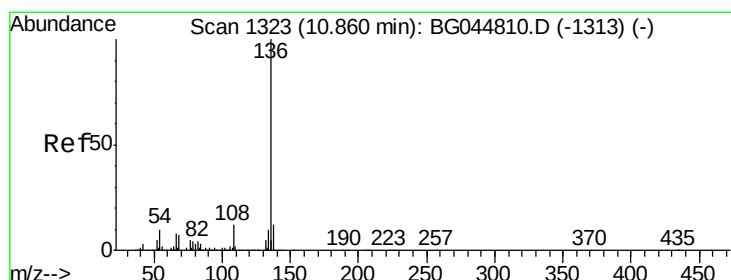
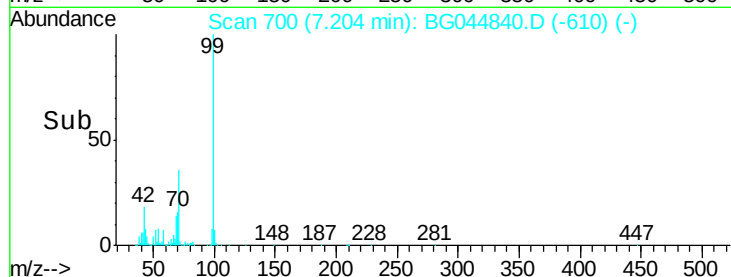
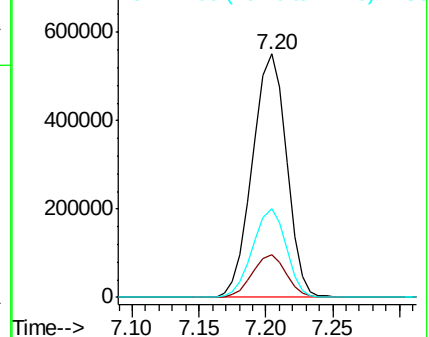
99 100

42 17.8 12.6 19.0

71 36.2 29.0 43.4



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Tgt Ion: 136 Resp: 447824

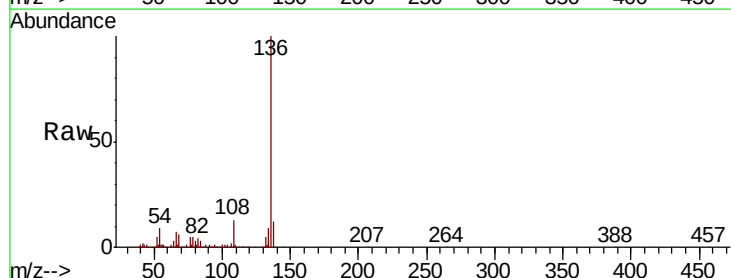
Ion Ratio Lower Upper

136 100

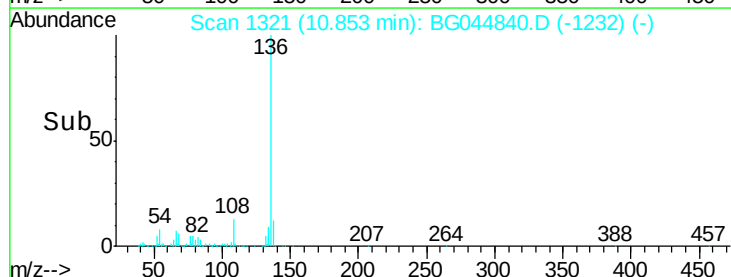
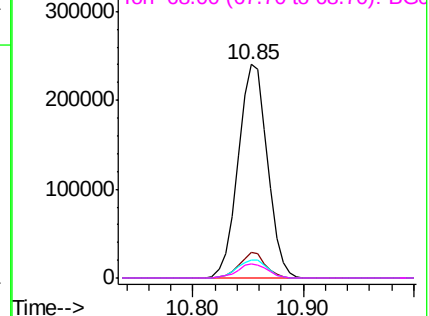
137 12.0 9.8 14.6

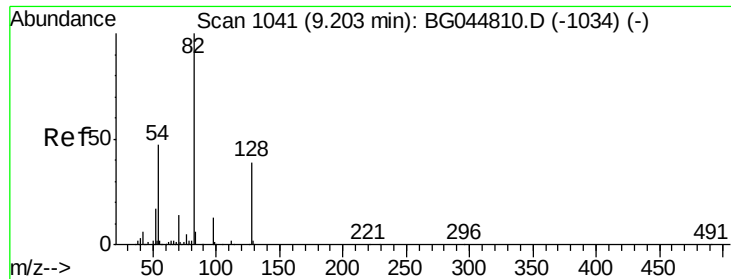
54 8.5 7.9 11.9

68 6.3 5.4 8.0



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

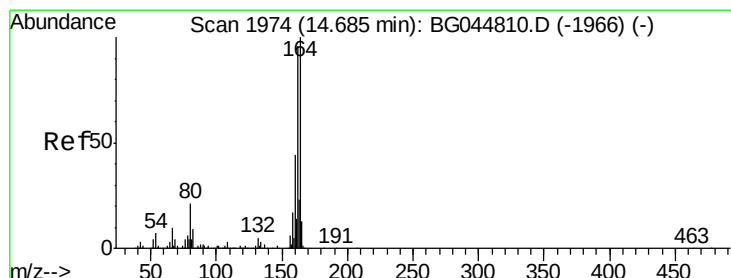
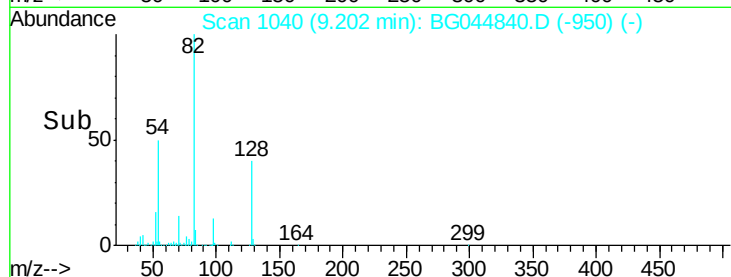
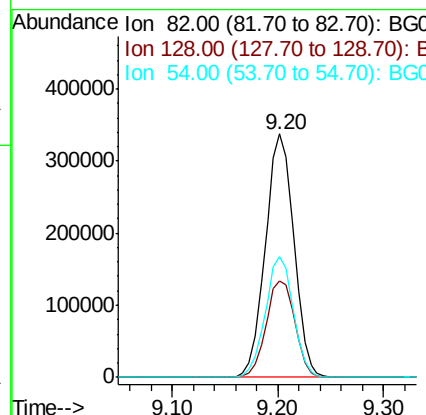
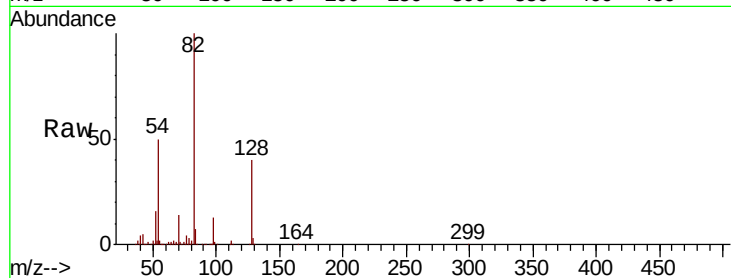




#23
 Nitrobenzene-d5
 Concen: 61.895 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

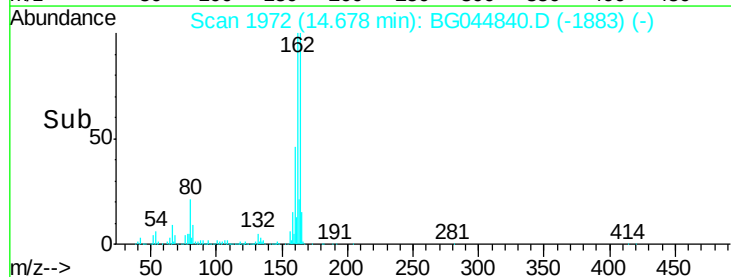
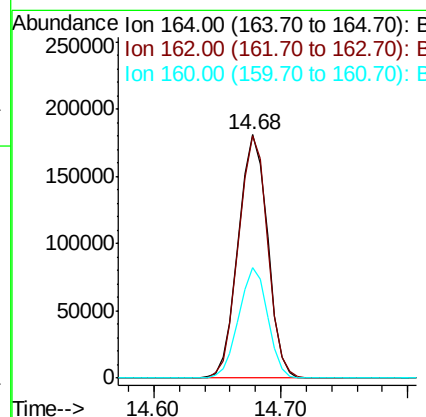
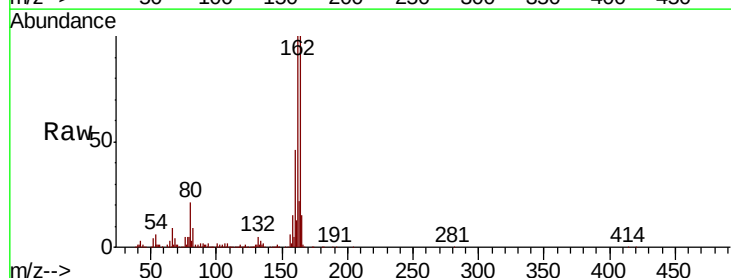
Instrument :
 BNA_G
 ClientSampled :
 Z3-S2

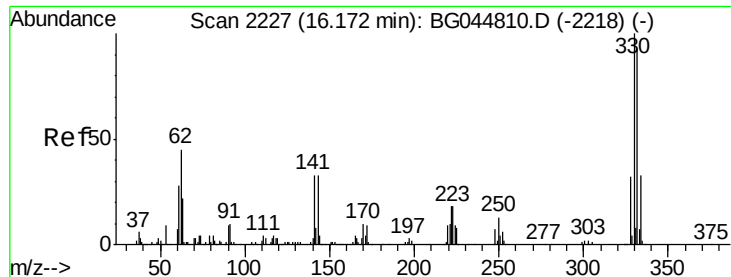
Tot Ion	82	Resp	631657
Ion Ratio	Lower	Upper	
82	100		
128	39.7	30.6	46.0
54	49.8	37.1	55.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

Tgt Ion	164	Resp	289348
Ion Ratio	Lower	Upper	
164	100		
162	99.7	76.7	115.1
160	45.5	35.0	52.4





#42

2,4,6-Tribromophenol

Concen: 97.331 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

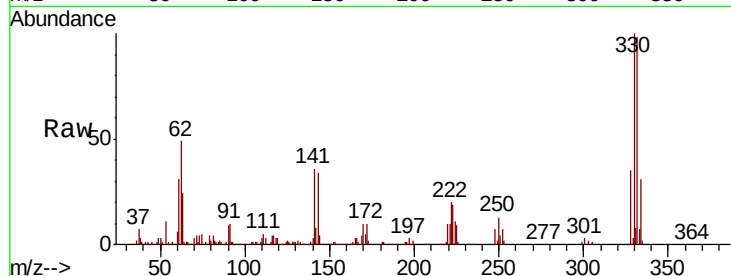
Tot Ion:330 Resp: 368747

Ion Ratio Lower Upper

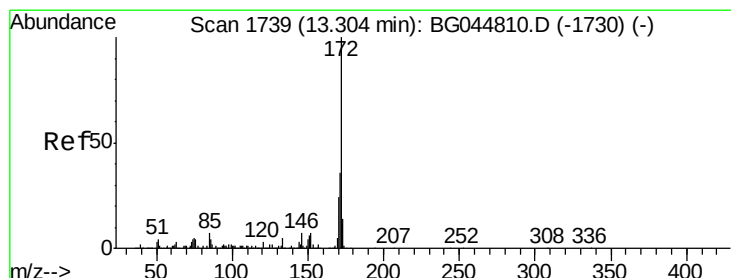
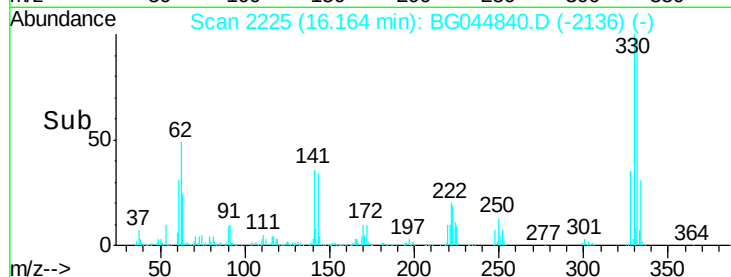
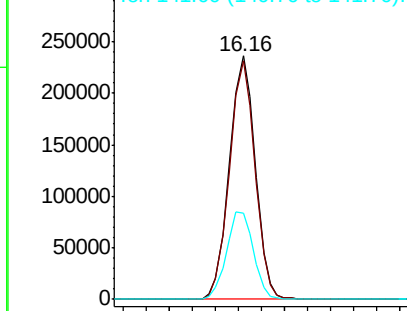
330 100

332 97.0 77.8 116.6

141 37.5 29.5 44.3



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: 63.721 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

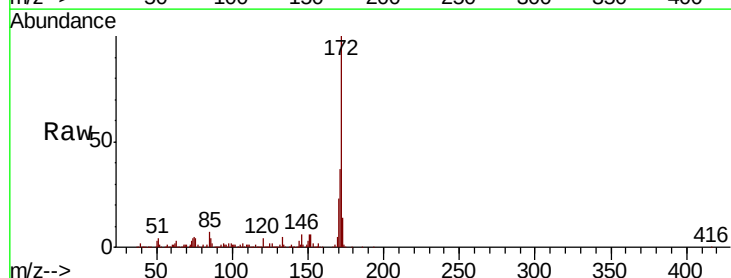
Tgt Ion:172 Resp: 1287499

Ion Ratio Lower Upper

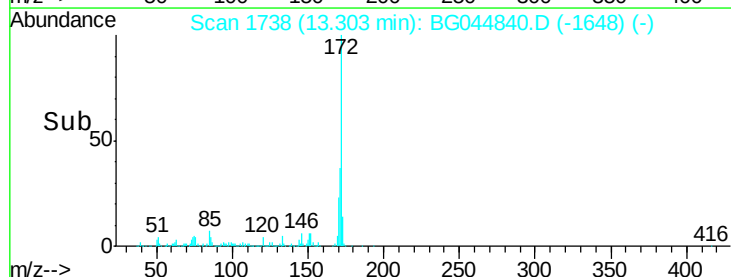
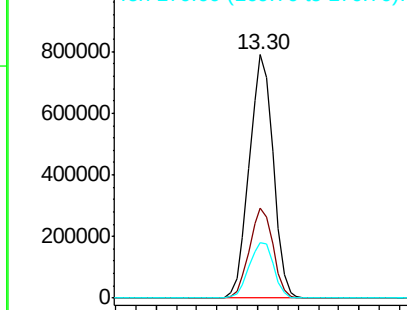
172 100

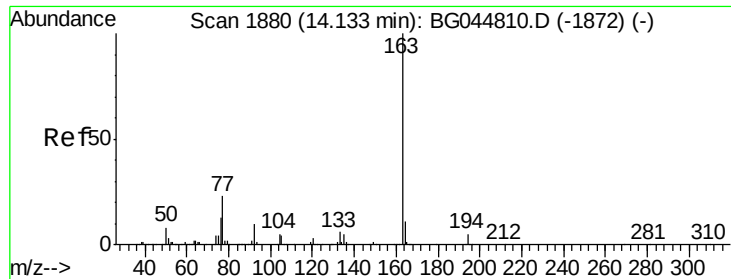
171 36.8 28.7 43.1

170 23.0 19.0 28.6



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: 6.484 ng

RT: 14.13 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

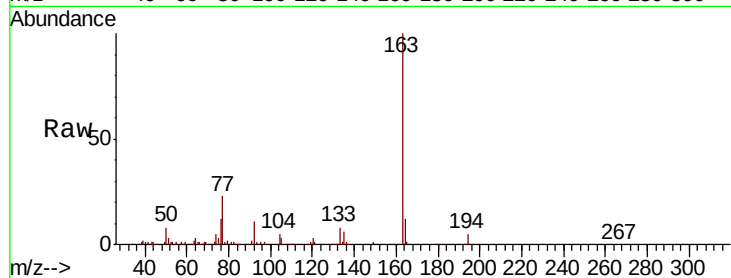
Tot Ion:163 Resp: 149423

Ion Ratio Lower Upper

163 100

194 4.7 3.7 5.5

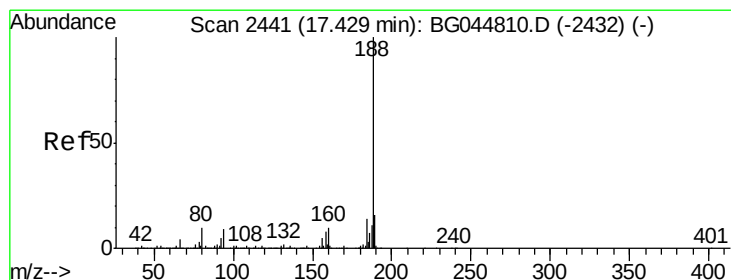
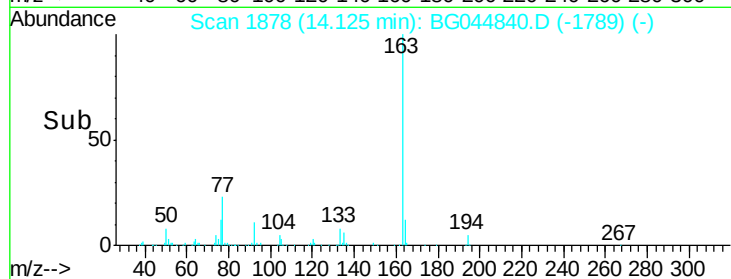
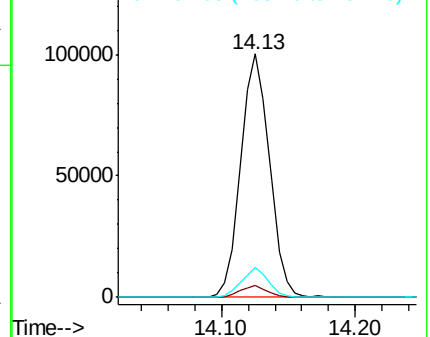
164 12.0 9.1 13.7



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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

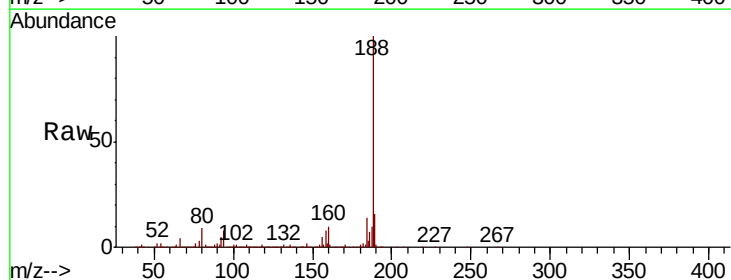
Tgt Ion:188 Resp: 589091

Ion Ratio Lower Upper

188 100

94 7.9 7.3 10.9

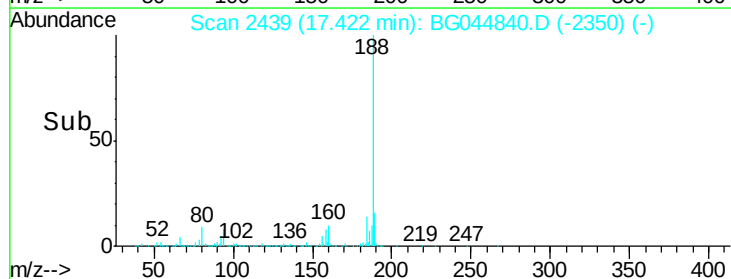
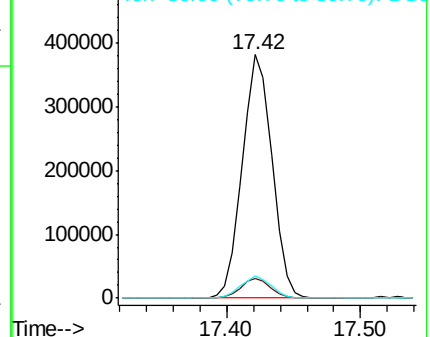
80 9.3 8.0 12.0

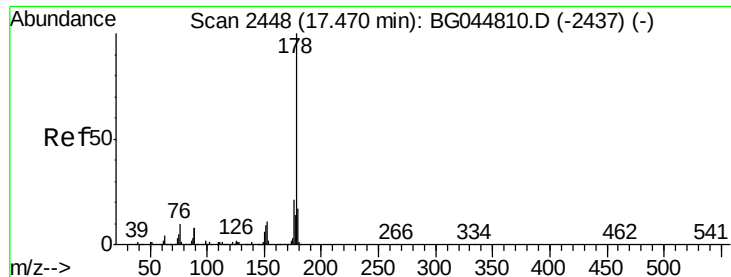


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 3.596 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

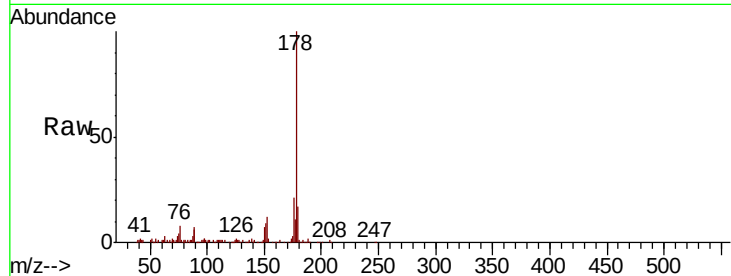
BNA_G

ClientSampleId :

Z3-S2

Tot Ion:178 Resp: 113190

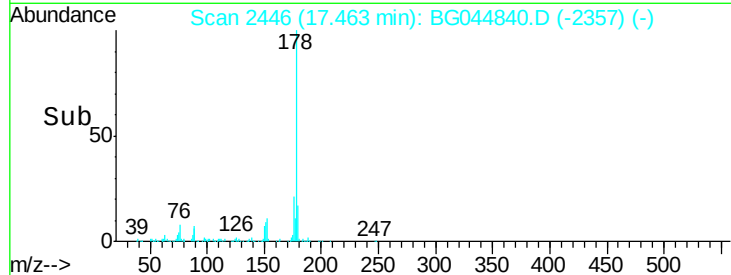
Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.6	24.8
179	17.4	13.5	20.3



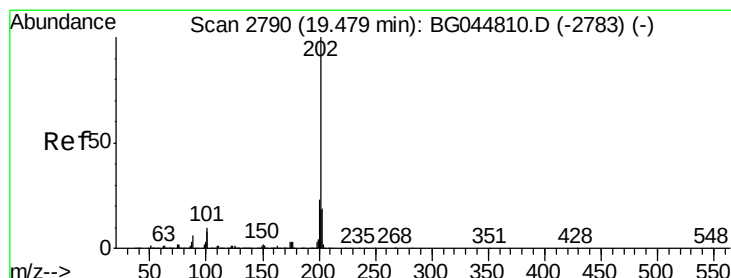
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 6.212 ng

RT: 19.47 min Scan# 2788

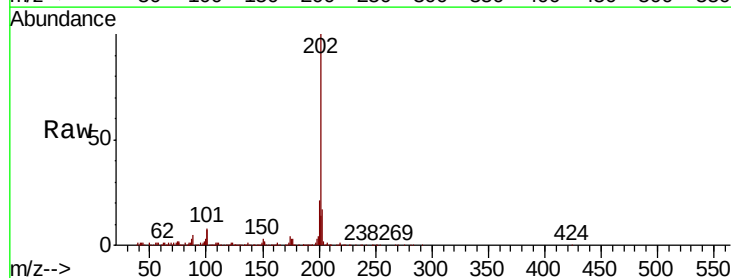
Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Tgt Ion:202 Resp: 232839

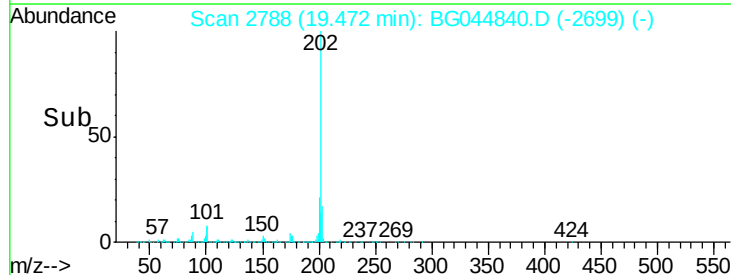
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.8
203	17.2	0.0	39.4



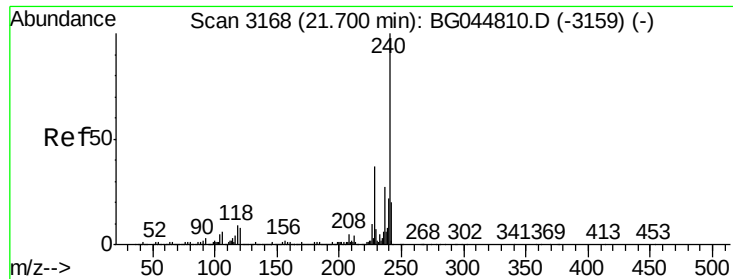
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

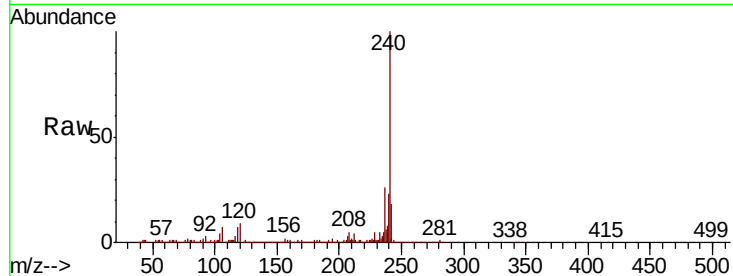
Tot Ion:240 Resp: 501792

Ion Ratio Lower Upper

240 100

120 8.6 6.7 10.1

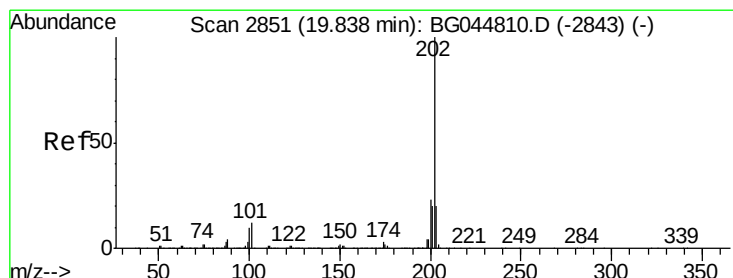
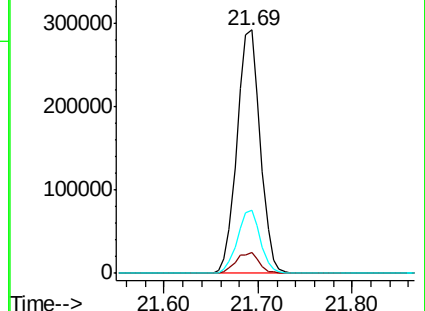
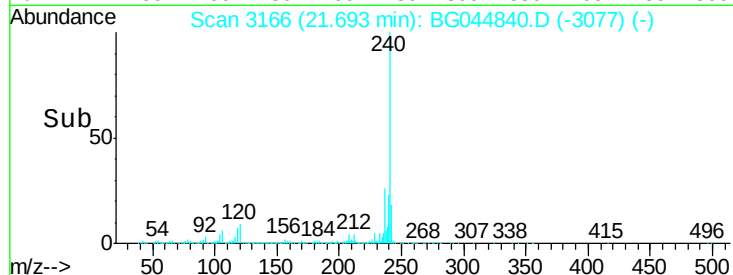
236 25.8 21.5 32.3



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: 5.910 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

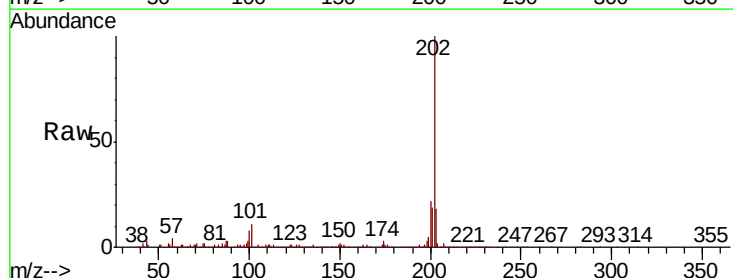
Tgt Ion:202 Resp: 217582

Ion Ratio Lower Upper

202 100

200 22.0 18.3 27.5

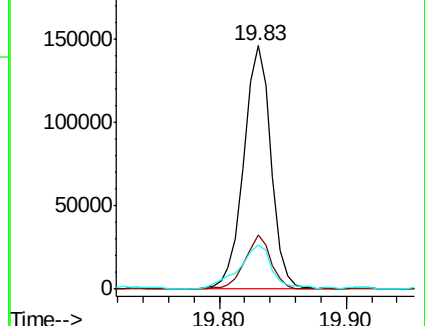
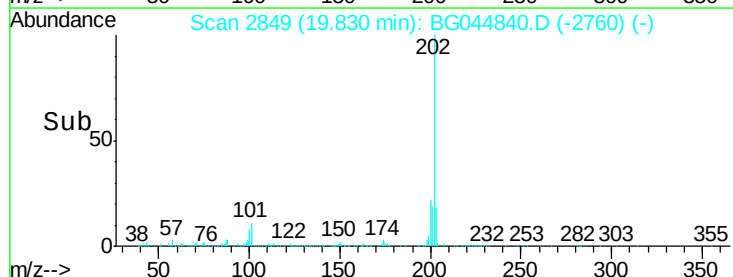
203 18.2 15.6 23.4

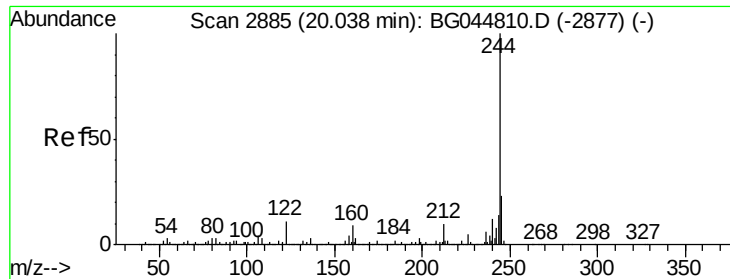


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.931 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

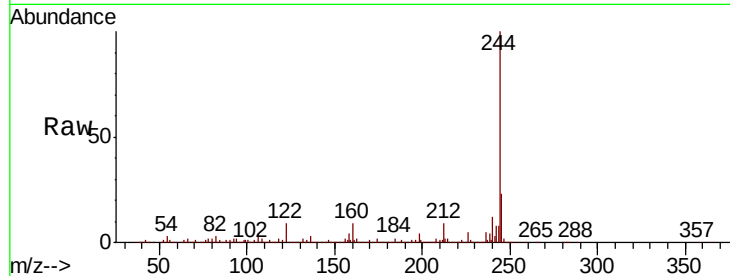
Tot Ion:244 Resp: 1661349

Ion Ratio Lower Upper

244 100

212 9.3 7.7 11.5

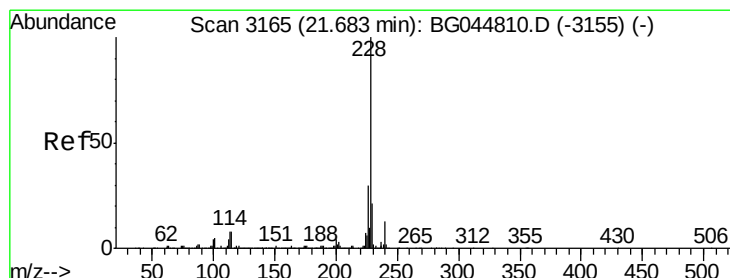
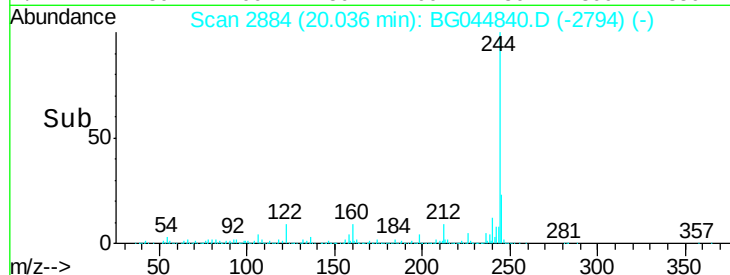
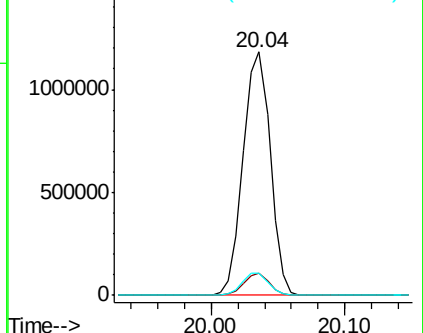
122 9.1 8.6 12.8



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: 3.368 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

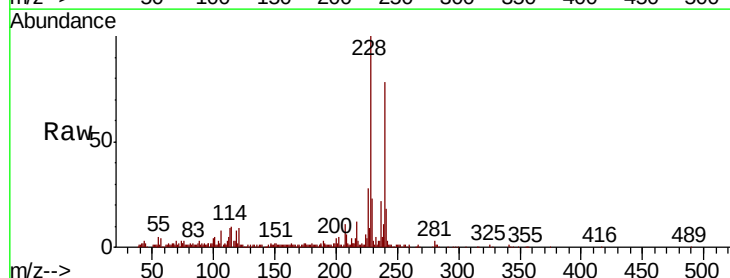
Tgt Ion:228 Resp: 121689

Ion Ratio Lower Upper

228 100

226 27.9 23.6 35.4

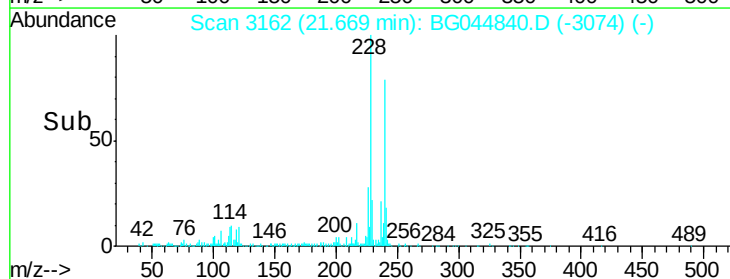
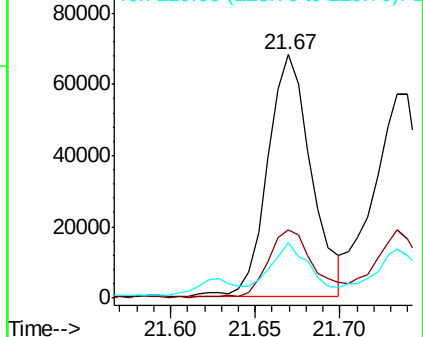
229 22.6 17.1 25.7

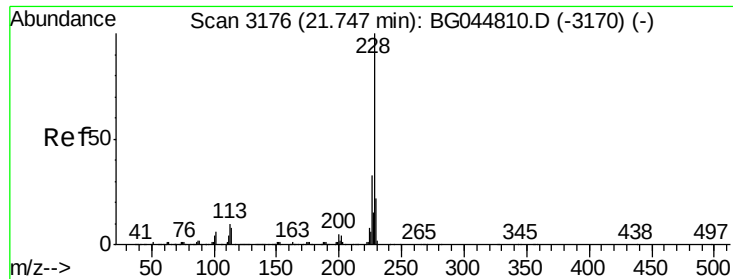


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.244 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

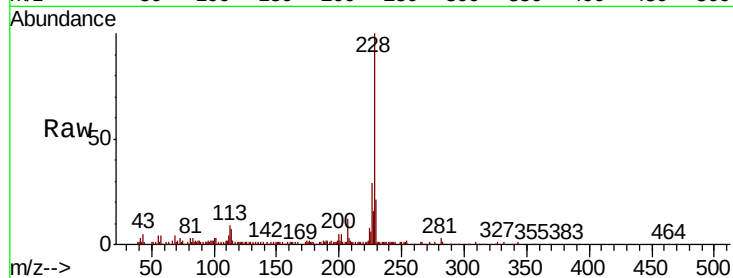
Tot Ion:228 Resp: 111979

Ion Ratio Lower Upper

228 100

226 29.2 25.9 38.9

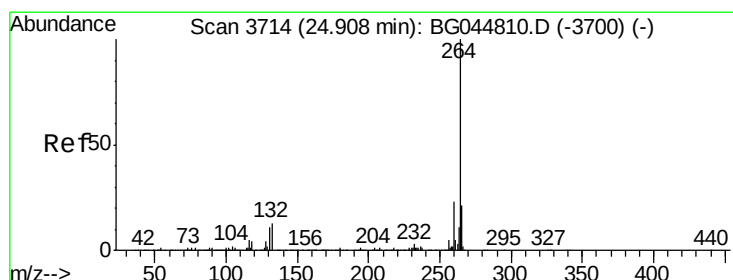
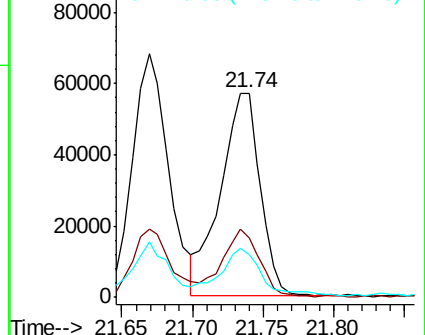
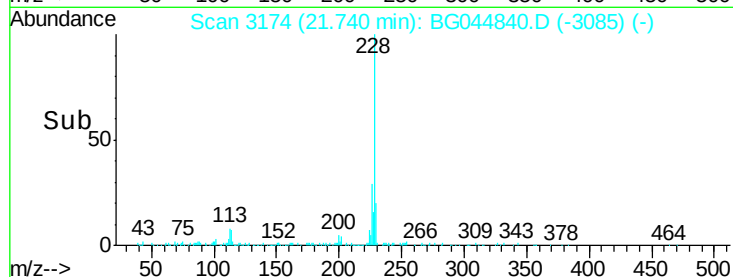
229 20.9 17.4 26.0



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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

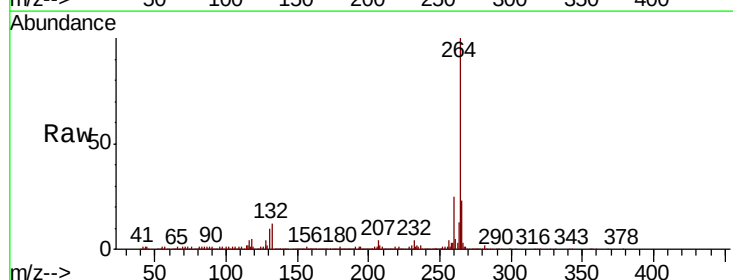
Tgt Ion:264 Resp: 564335

Ion Ratio Lower Upper

264 100

260 25.2 18.1 27.1

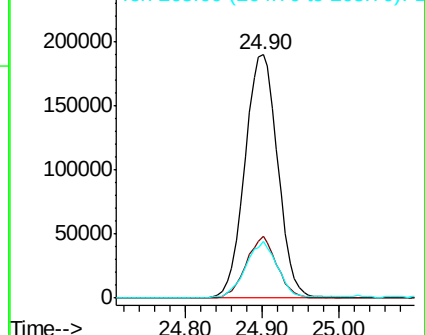
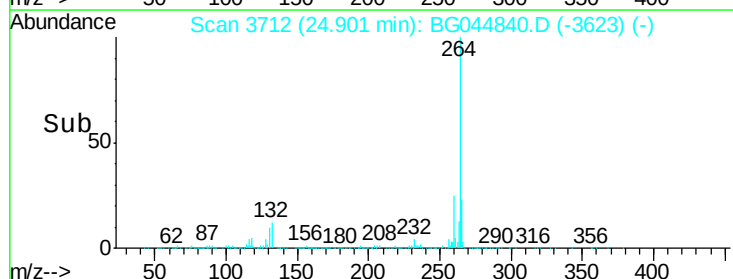
265 23.2 17.1 25.7

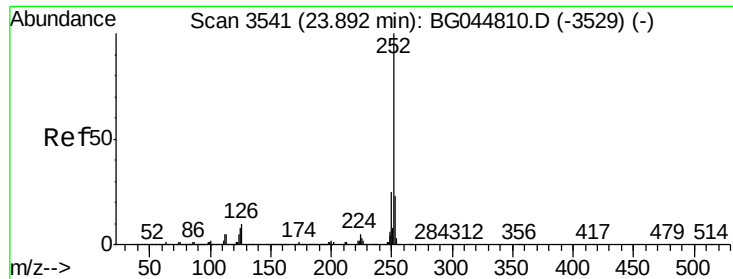


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.984 ng

RT: 23.88 min Scan# 3539

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

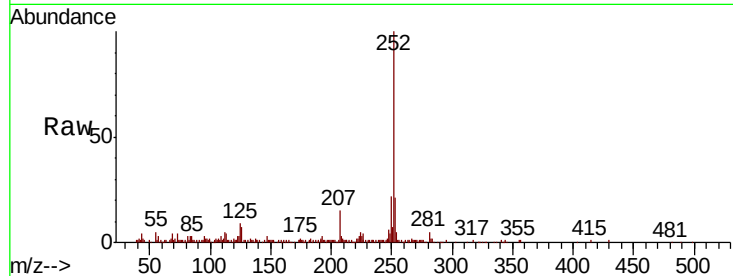
Tot Ion:252 Resp: 148432

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

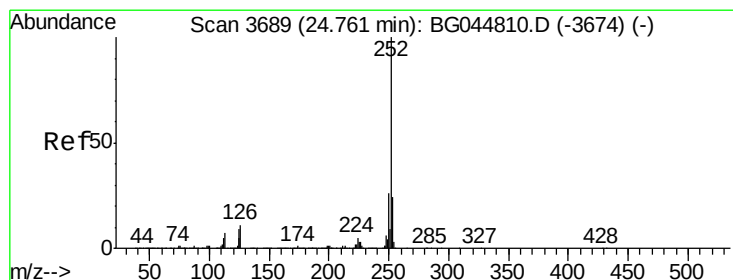
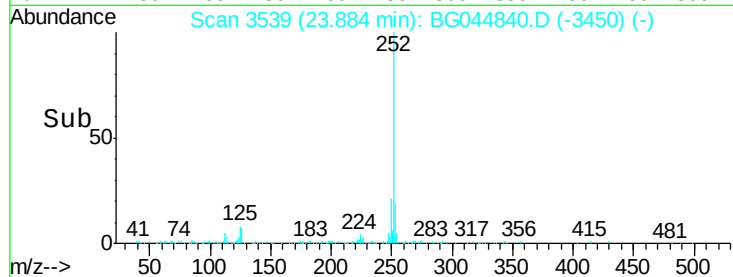
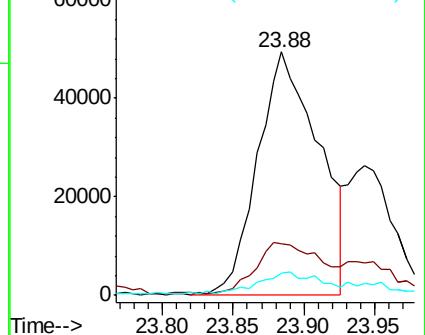
125 9.1 6.6 9.8



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: 3.331 ng

RT: 24.75 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

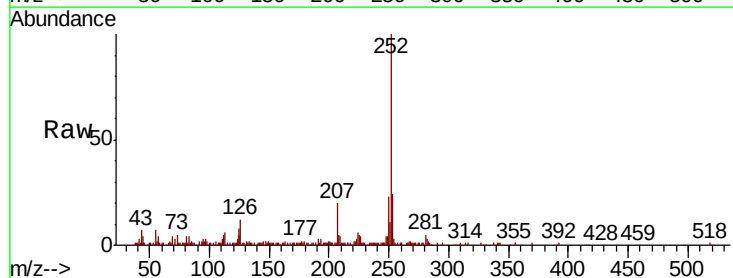
Tgt Ion:252 Resp: 116138

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.0

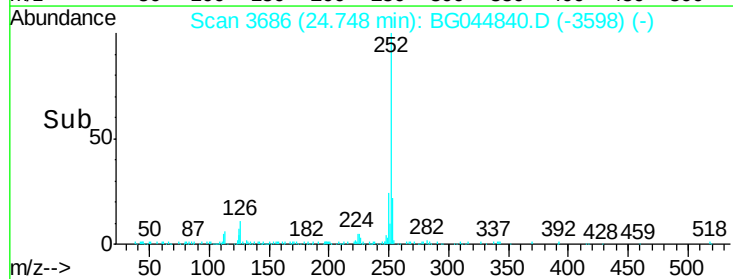
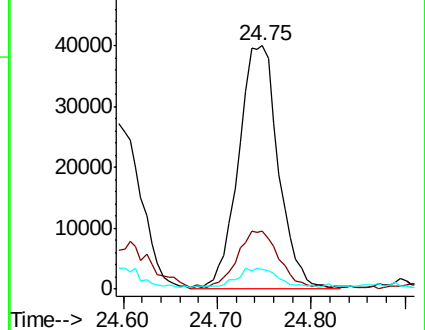
125 8.3 7.2 10.8

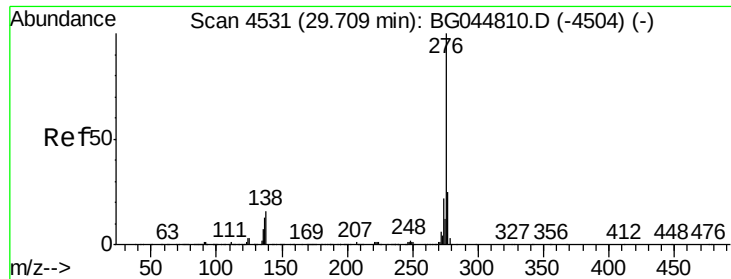


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.106 ng

RT: 29.67 min Scan# 4523

Delta R.T. -0.04 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_G

ClientSampleId :

Z3-S2

Tot Ion:276 Resp: 73177

Ion Ratio Lower Upper

276 100

277 28.3 20.1 30.1

138 11.5 13.0 19.6#

