

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
 Data File : BG023153.D
 Acq On : 16 Jul 2016 19:04
 Operator : UM/SJ
 Sample : H3951-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LSS-SB-SB03(5-7ft)

Quant Time: Jul 18 01:26:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

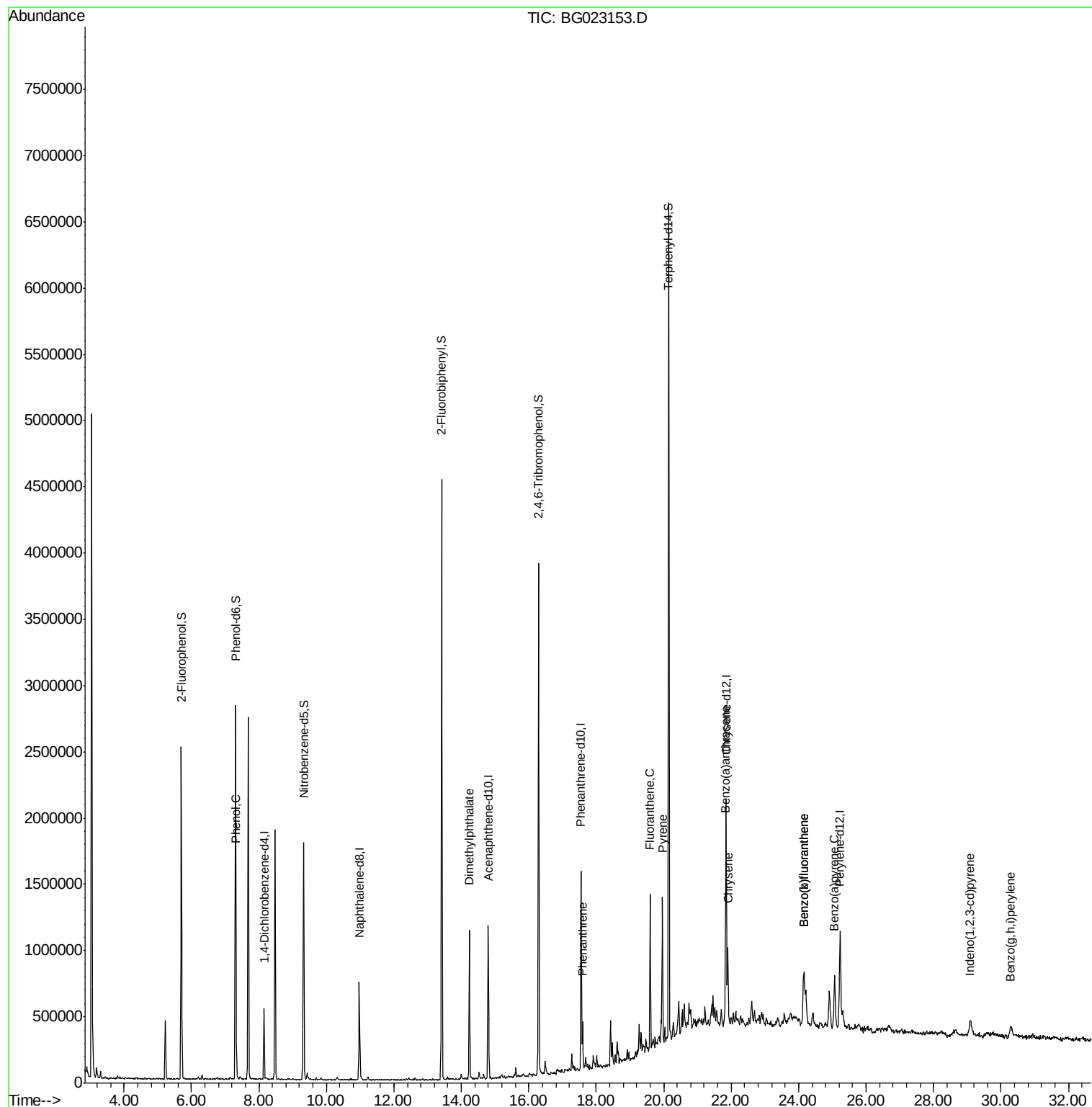
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	133351	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	603172	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	403763	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	854377	20.00	ng	0.00
75) Chrysene-d12	21.85	240	879399	20.00	ng	0.00
86) Perylene-d12	25.23	264	892453	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	1024904	125.70	ng	0.00
7) Phenol-d6	7.31	99	1587923	124.34	ng	0.00
23) Nitrobenzene-d5	9.33	82	1166941	82.84	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	695933	95.90	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2092554	81.63	ng	0.00
78) Terphenyl-d14	20.15	244	2434840	89.67	ng	0.00
Target Compounds						
10) Phenol	7.33	94	27923	2.13	ng	Qvalue # 25
49) Dimethylphthalate	14.24	163	659617	20.00	ng	98
70) Phenanthrene	17.59	178	218484	5.22	ng	97
74) Fluoranthene	19.60	202	727685	14.16	ng	93
77) Pyrene	19.96	202	707650	14.32	ng	93
80) Benzo(a)anthracene	21.84	228	484476	9.85	ng	95
82) Chrysene	21.91	228	433360	9.39	ng	98
85) Indeno(1,2,3-cd)pyrene	29.07	276	250433	4.26	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	628991	12.22	ng	# 97
88) Benzo(k)fluoranthene	24.16	252	628991	12.87	ng	# 97
89) Benzo(a)pyrene	25.07	252	480576	9.74	ng	# 99
91) Benzo(g,h,i)perylene	30.29	276	99423	2.03	ng	# 92

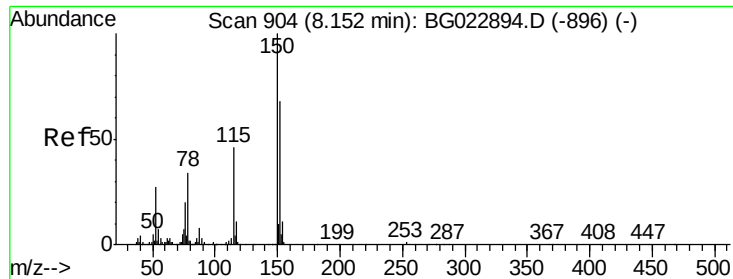
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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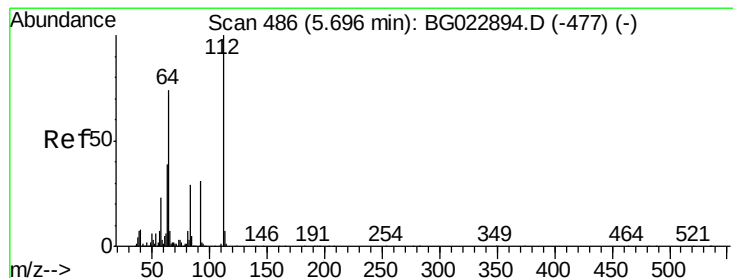
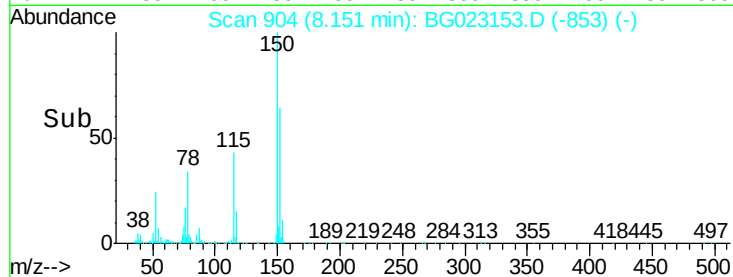
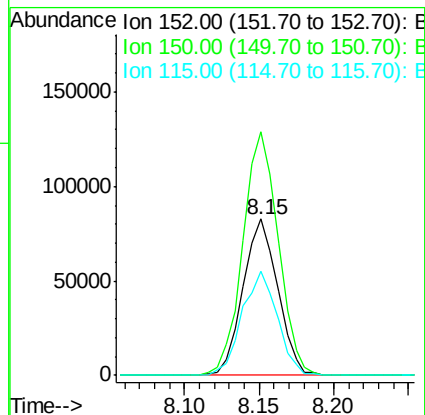
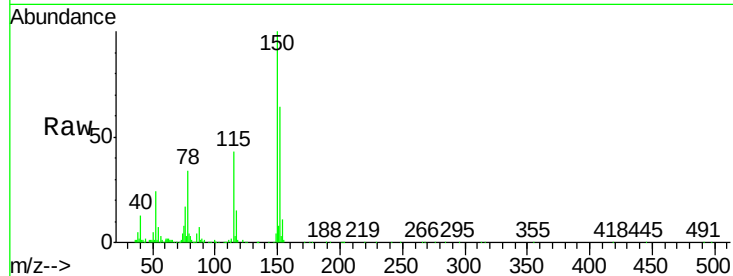


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB03(5-7ft)

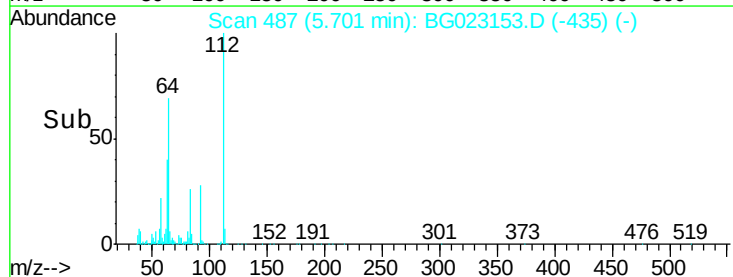
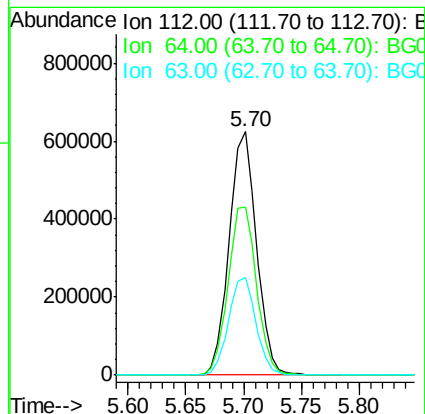
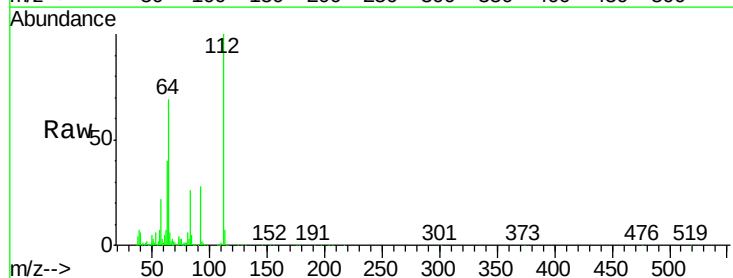
Tgt Ion:152 Resp: 133351
Ion Ratio Lower Upper
152 100
150 155.7 144.7 217.1
115 66.2 64.0 96.0

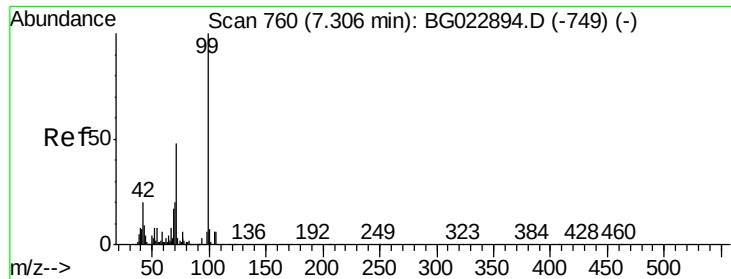


#5

2-Fluorophenol
Concen: 125.70 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.01 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

Tgt Ion:112 Resp: 1024904
Ion Ratio Lower Upper
112 100
64 68.9 59.0 88.4
63 39.9 37.8 56.8





#7

Phenol-d6

Concen: 124.34 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

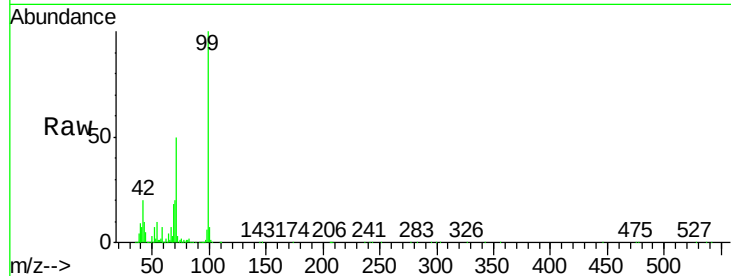
Tgt Ion: 99 Resp: 1587923

Ion Ratio Lower Upper

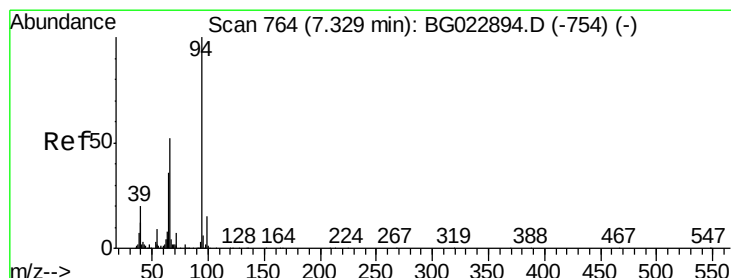
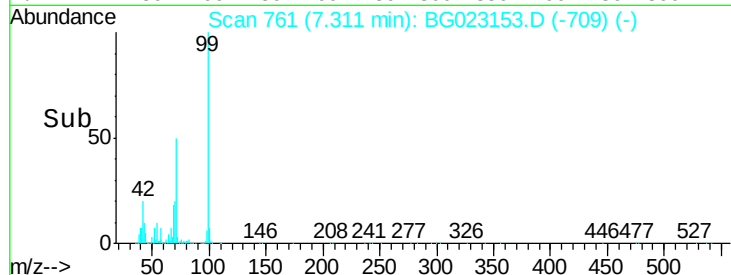
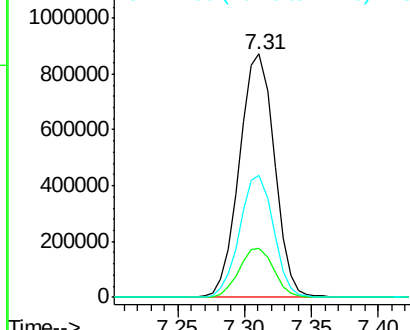
99 100

42 20.2 17.8 26.6

71 50.2 41.5 62.3



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: 2.13 ng

RT: 7.33 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

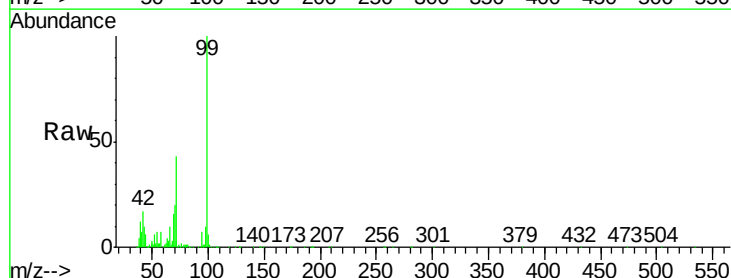
Tgt Ion: 94 Resp: 27923

Ion Ratio Lower Upper

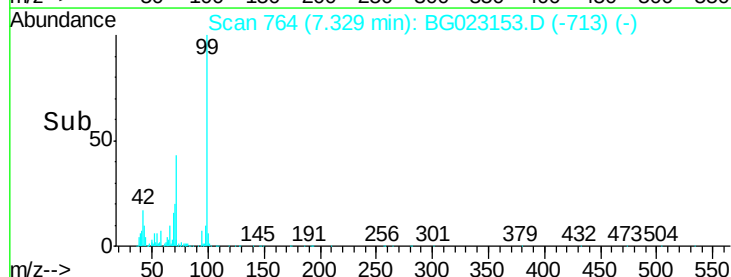
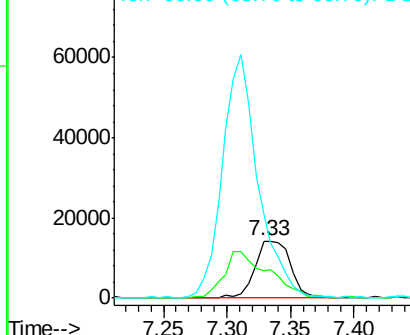
94 100

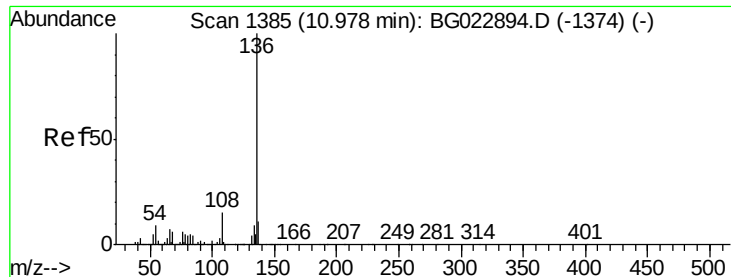
65 48.1 18.1 58.1

66 147.2 42.1 82.1#



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

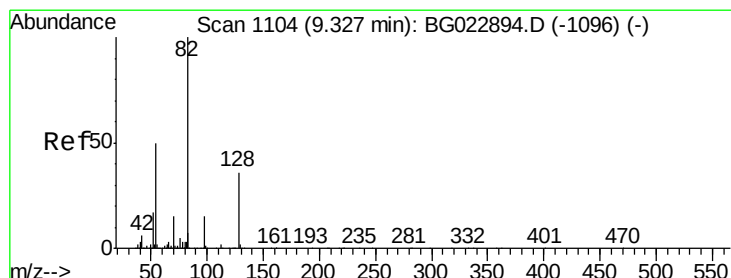
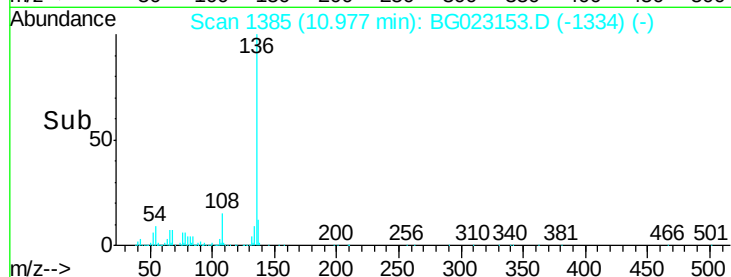
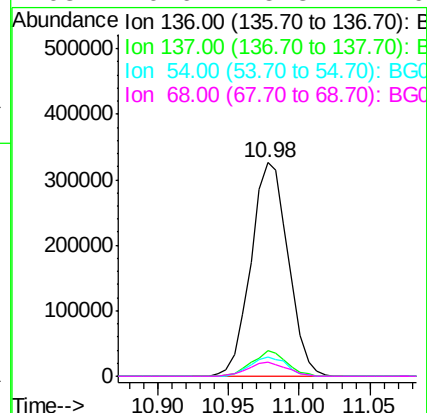
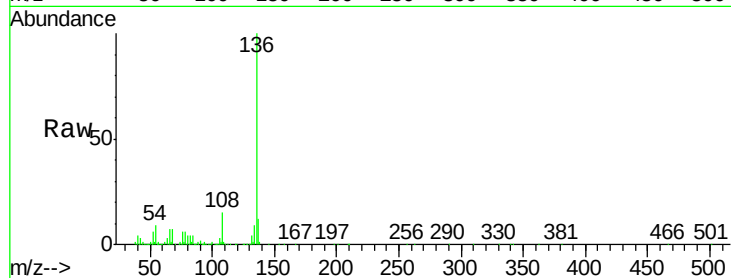




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

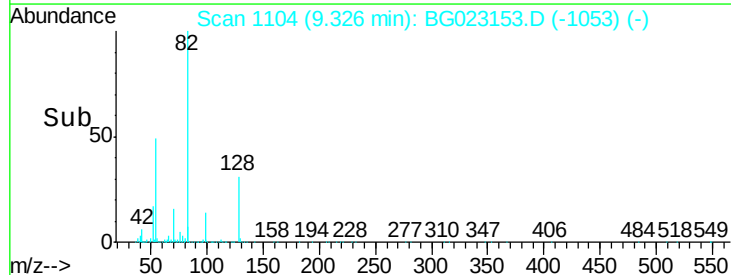
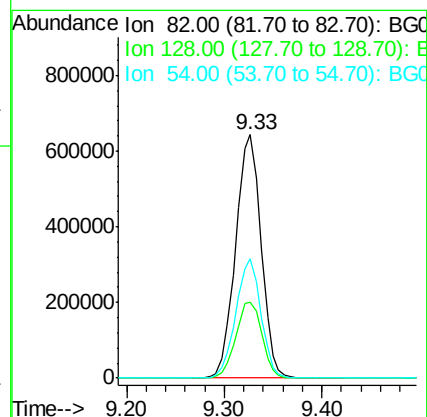
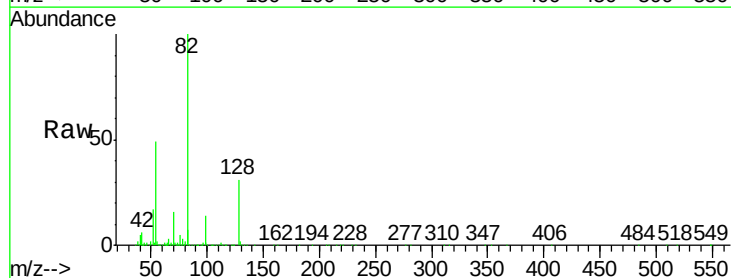
Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB03(5-7ft)

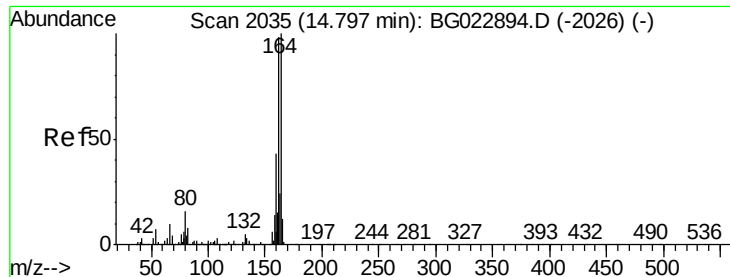
Tgt Ion:	136	Resp:	603172
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	9.2	7.3	10.9
68	6.6	5.3	7.9



#23
Nitrobenzene-d5
Concen: 82.84 ng
RT: 9.33 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

Tgt Ion:	82	Resp:	1166941
Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.4	36.6
54	49.2	41.4	62.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

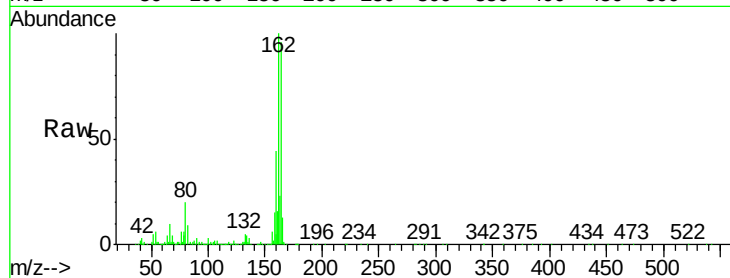
Tgt Ion:164 Resp: 403763

Ion Ratio Lower Upper

164 100

162 104.3 87.7 131.5

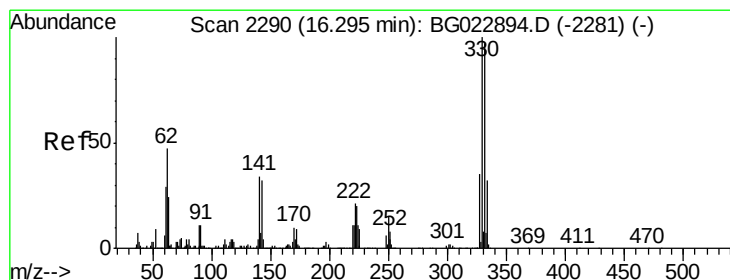
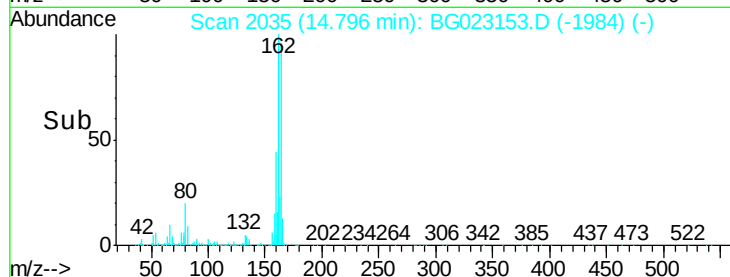
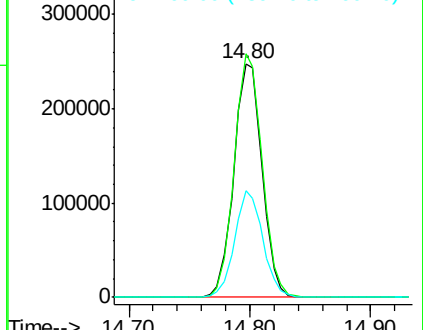
160 45.5 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 95.90 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

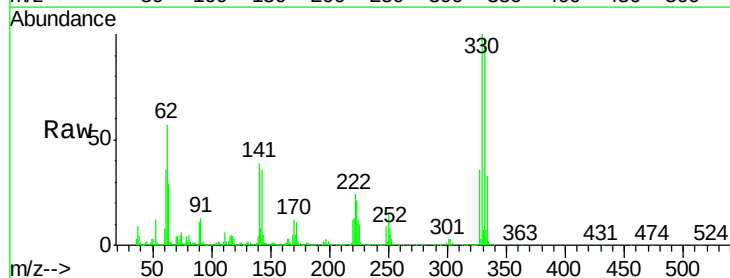
Tgt Ion:330 Resp: 695933

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

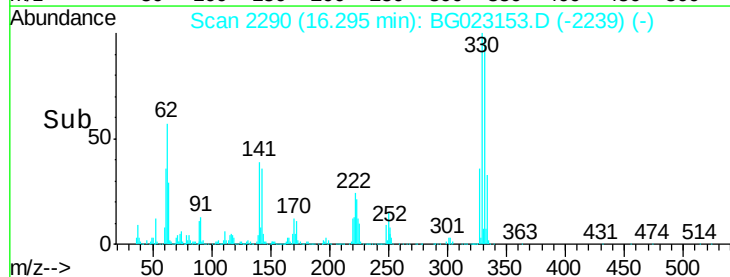
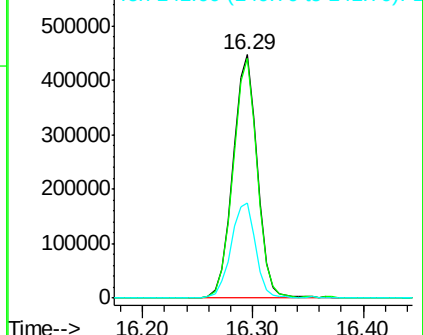
141 39.1 31.7 47.5

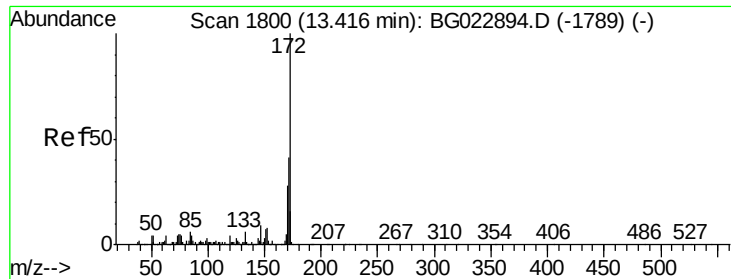


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

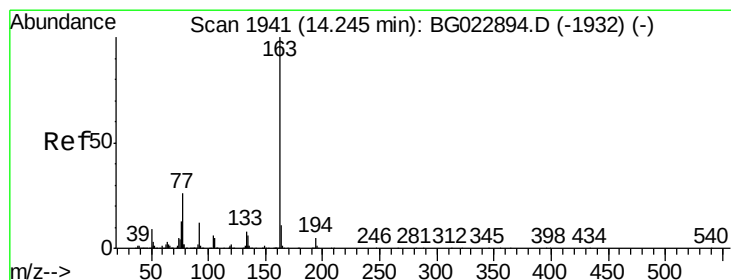
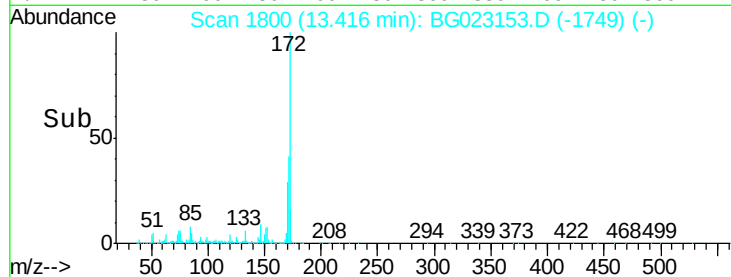
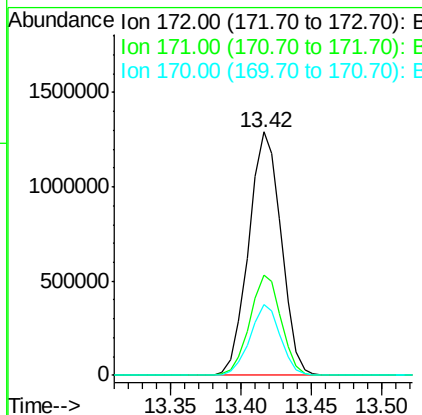
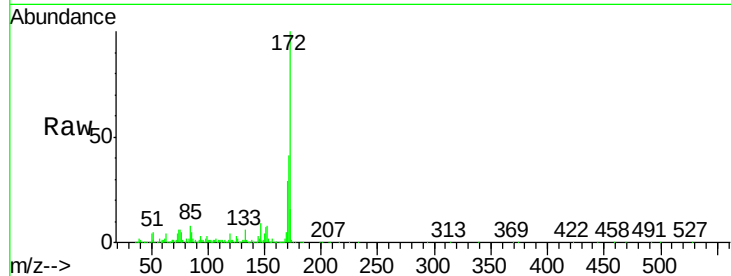




#44
2-Fluorobiphenyl
Concen: 81.63 ng
RT: 13.42 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

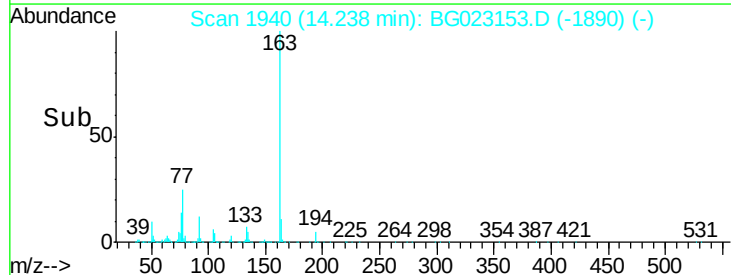
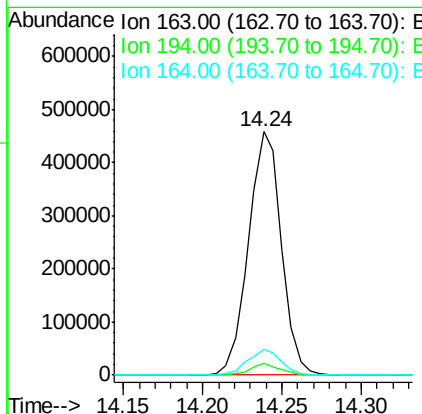
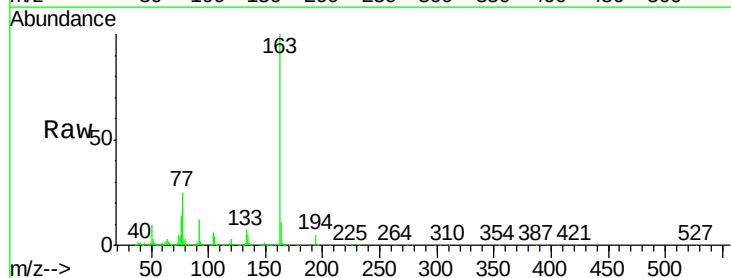
Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB03(5-7ft)

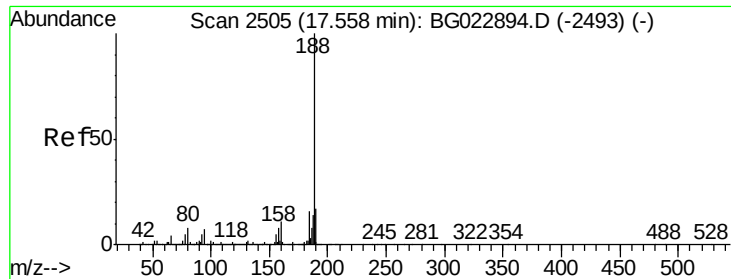
Tgt Ion:172 Resp: 2092554
Ion Ratio Lower Upper
172 100
171 41.1 31.6 47.4
170 29.0 21.3 31.9



#49
Dimethylphthalate
Concen: 20.00 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023153.D
Acq: 16 Jul 2016 19:04

Tgt Ion:163 Resp: 659617
Ion Ratio Lower Upper
163 100
194 4.9 3.6 5.4
164 10.8 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

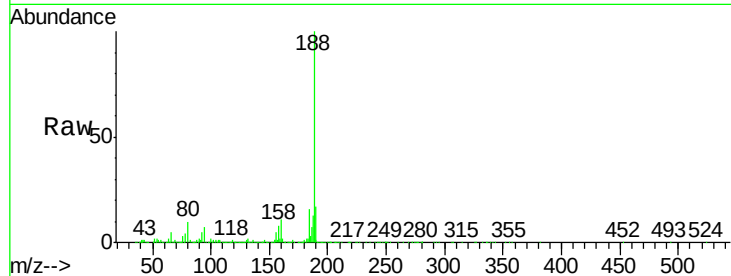
Tgt Ion:188 Resp: 854377

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

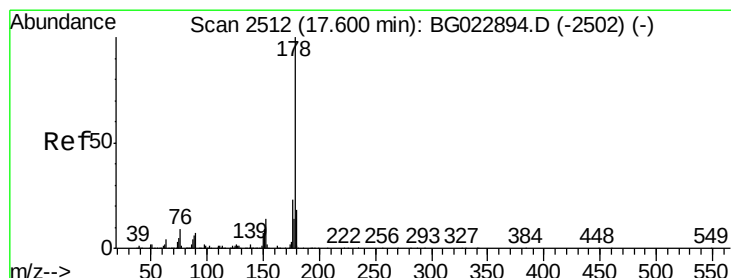
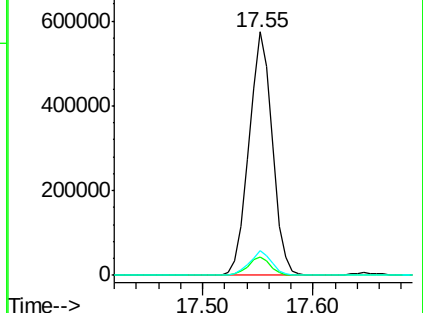
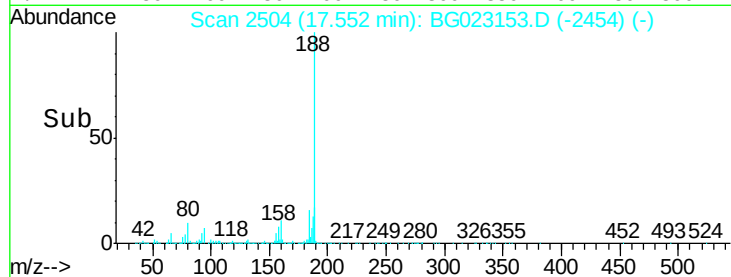
80 10.4 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#70

Phenanthrene

Concen: 5.22 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

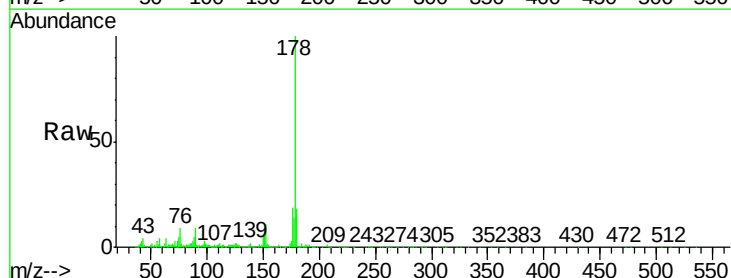
Tgt Ion:178 Resp: 218484

Ion Ratio Lower Upper

178 100

176 18.6 16.8 25.2

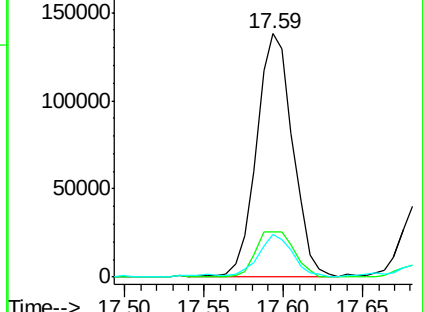
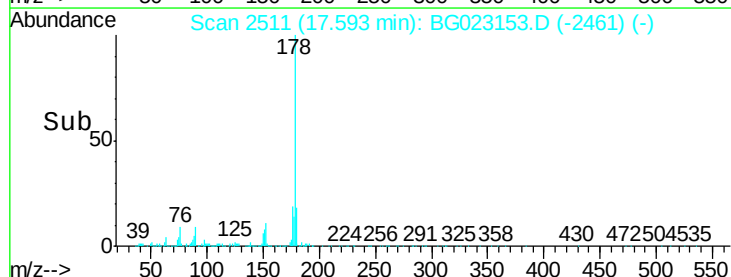
179 17.8 14.3 21.5

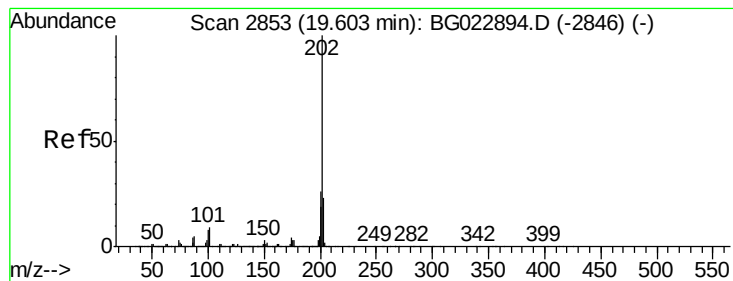


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.16 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

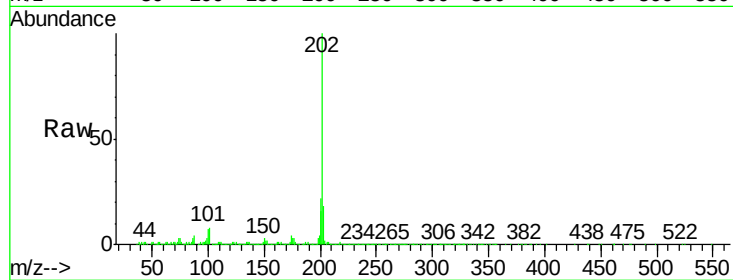
Tgt Ion:202 Resp: 727685

Ion Ratio Lower Upper

202 100

101 8.1 0.0 27.4

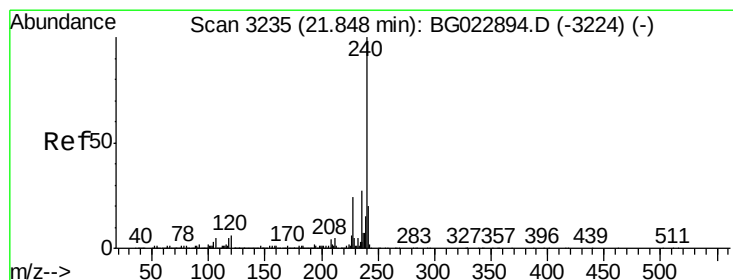
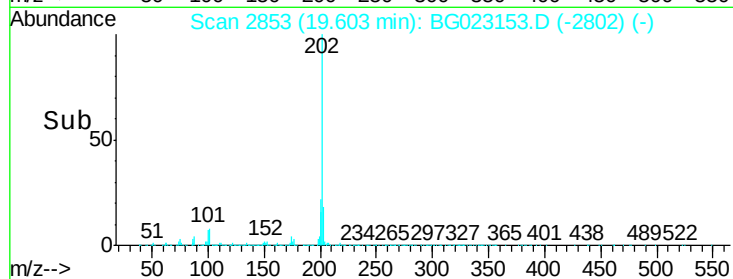
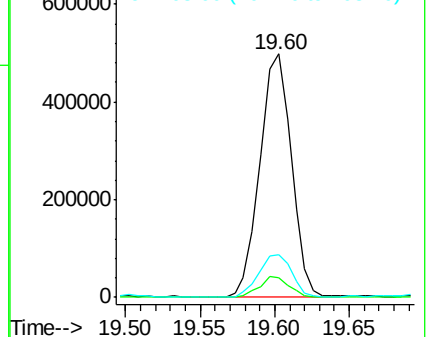
203 17.7 1.7 41.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

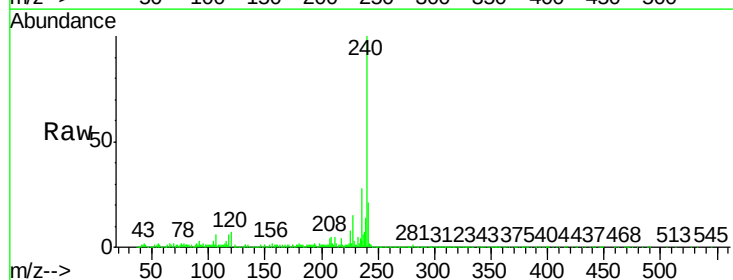
Tgt Ion:240 Resp: 879399

Ion Ratio Lower Upper

240 100

120 6.7 4.1 6.1#

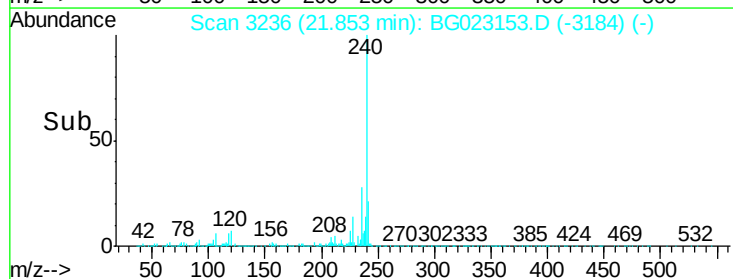
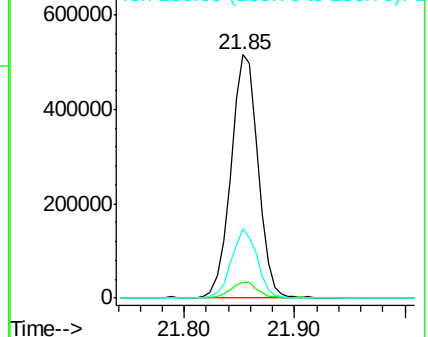
236 28.3 21.1 31.7

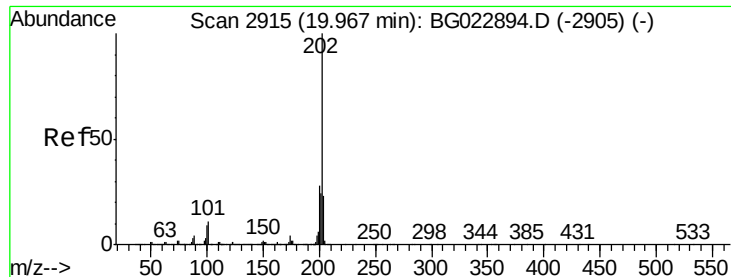


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.32 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

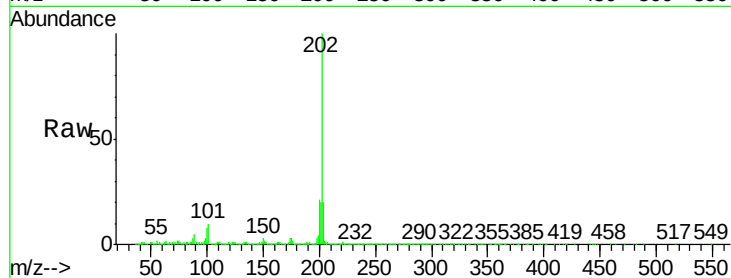
Tgt Ion:202 Resp: 707650

Ion Ratio Lower Upper

202 100

200 21.4 21.2 31.8

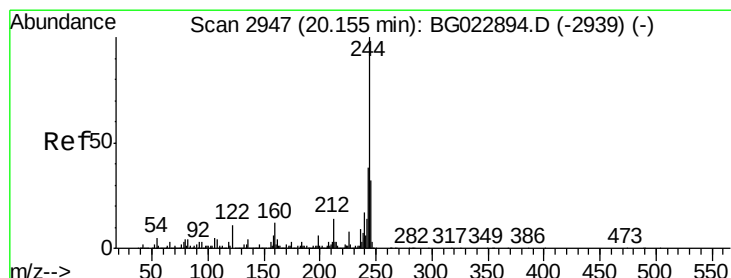
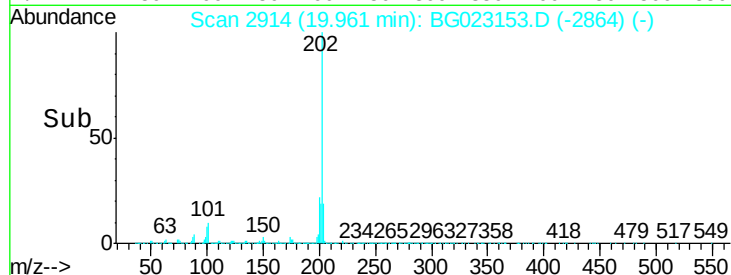
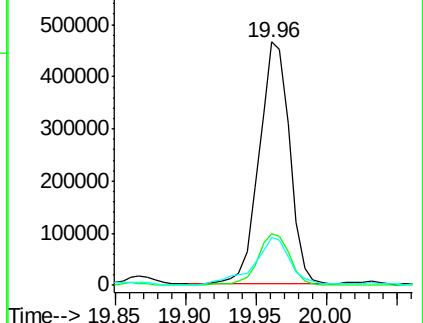
203 19.7 16.8 25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.67 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

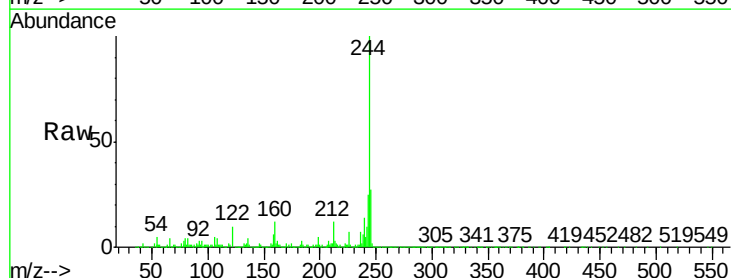
Tgt Ion:244 Resp: 2434840

Ion Ratio Lower Upper

244 100

212 12.4 10.8 16.2

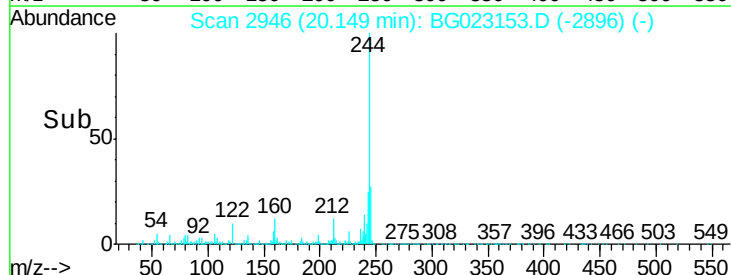
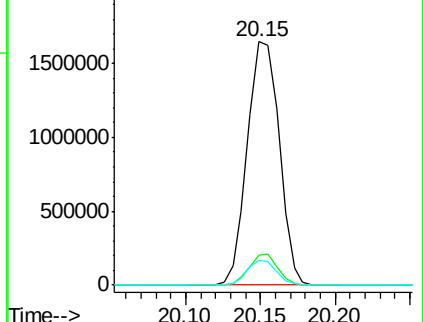
122 10.4 8.0 12.0

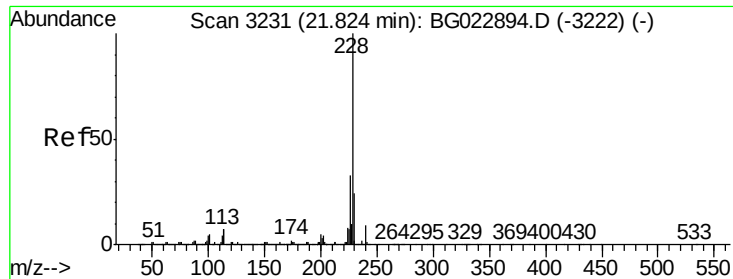


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.85 ng

RT: 21.84 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

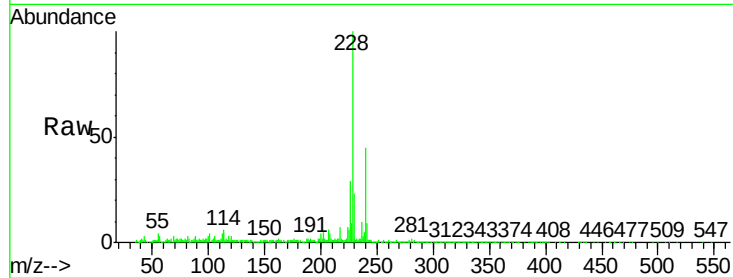
Tgt Ion:228 Resp: 484476

Ion Ratio Lower Upper

228 100

226 28.7 25.3 37.9

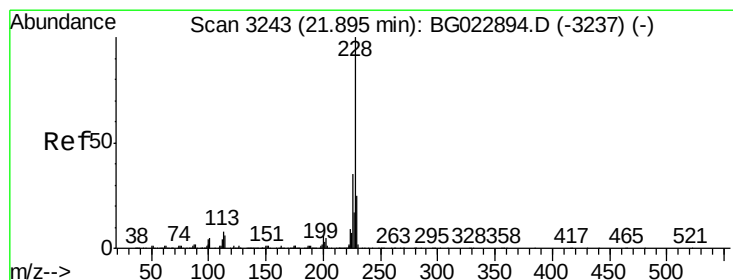
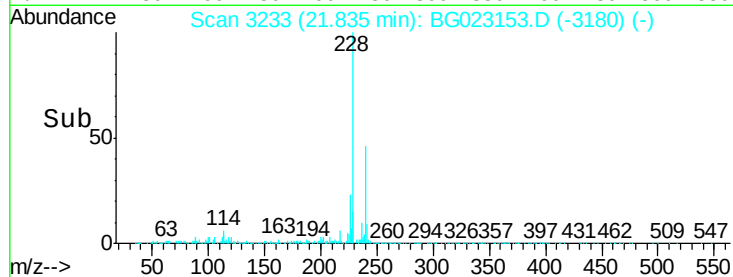
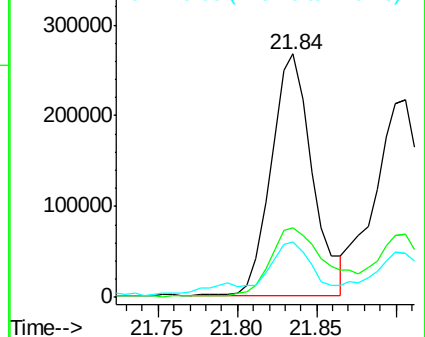
229 22.6 19.9 29.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.39 ng

RT: 21.91 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

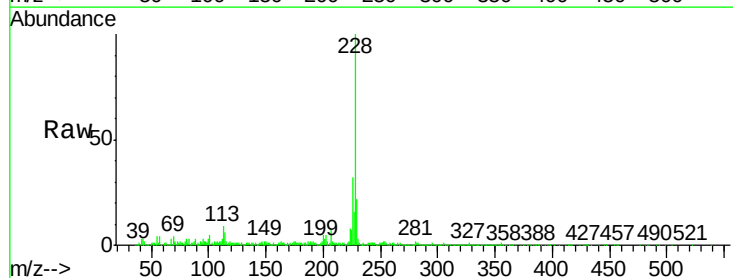
Tgt Ion:228 Resp: 433360

Ion Ratio Lower Upper

228 100

226 31.8 26.7 40.1

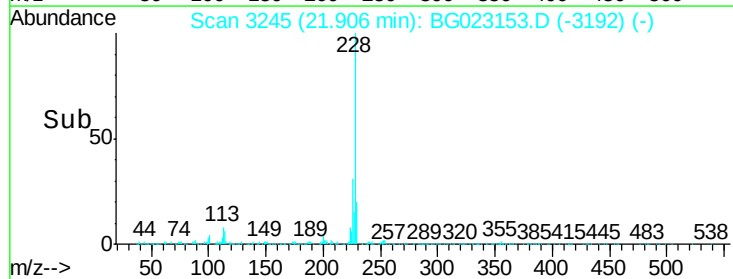
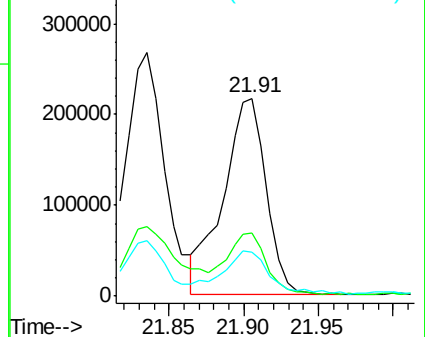
229 22.1 17.4 26.2

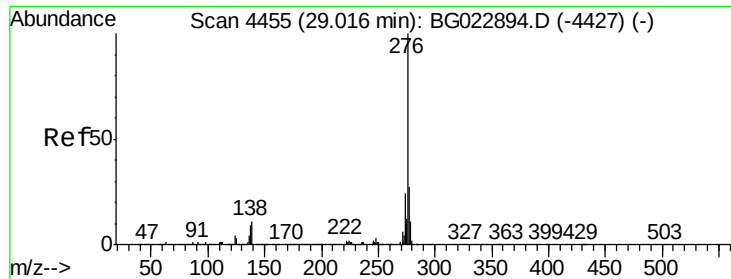


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.26 ng

RT: 29.07 min Scan# 4465

Delta R.T. 0.06 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

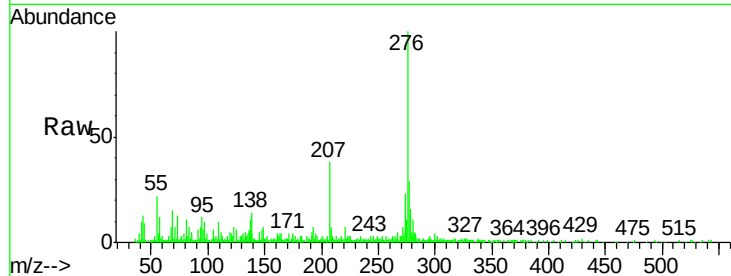
Tgt Ion:276 Resp: 250433

Ion Ratio Lower Upper

276 100

138 6.6 0.0 0.0#

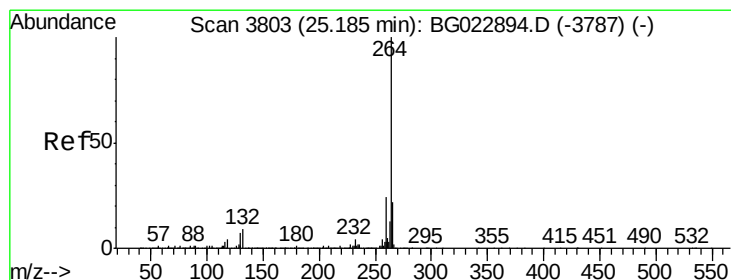
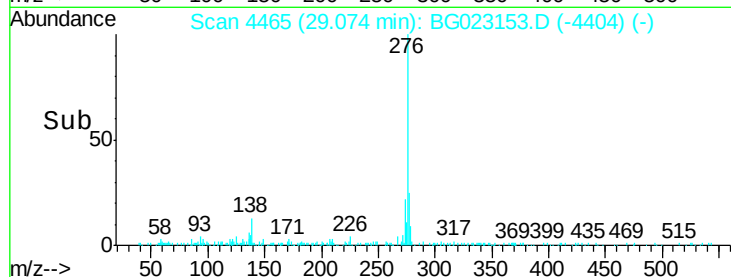
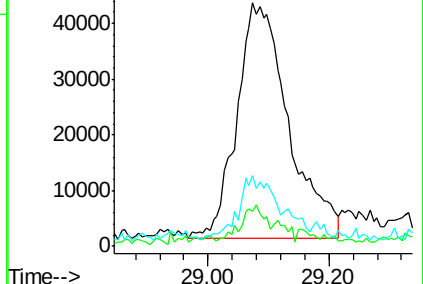
277 17.7 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.23 min Scan# 3811

Delta R.T. 0.05 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

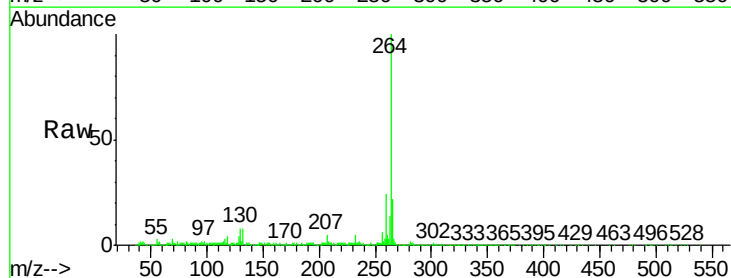
Tgt Ion:264 Resp: 892453

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

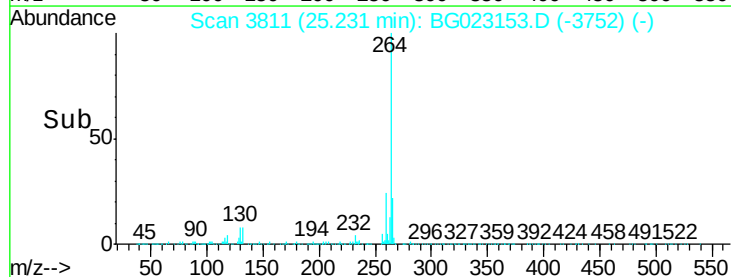
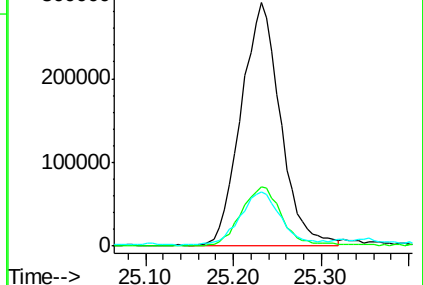
265 22.1 18.9 28.3

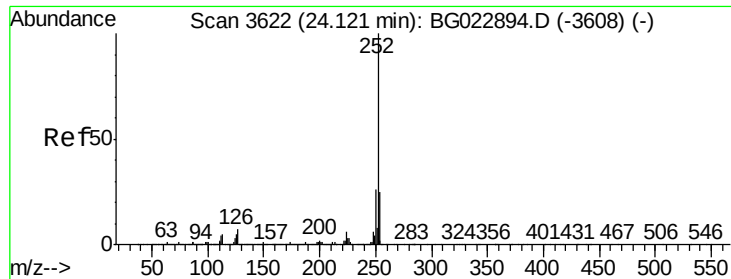


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.22 ng

RT: 24.16 min Scan# 3628

Delta R.T. 0.03 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

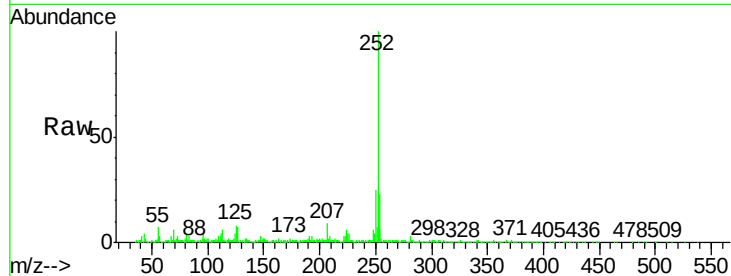
Tgt Ion:252 Resp: 628991

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

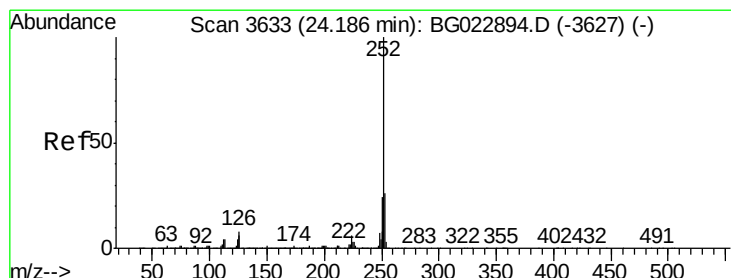
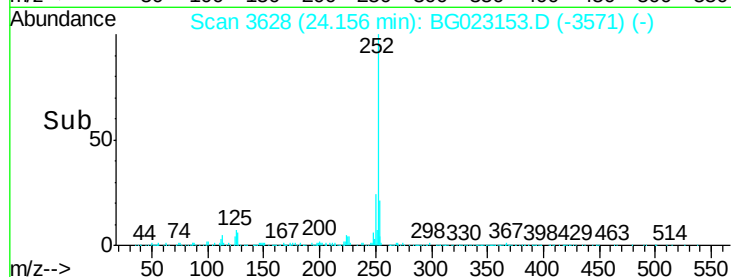
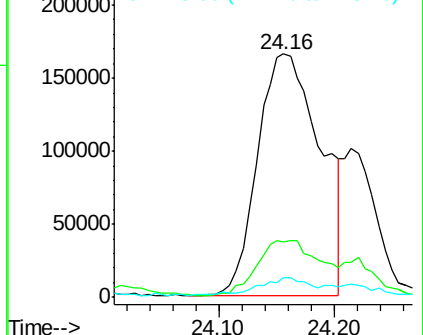
125 8.0 3.9 5.9#



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



#88

Benzo(k)fluoranthene

Concen: 12.87 ng

RT: 24.16 min Scan# 3628

Delta R.T. -0.03 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

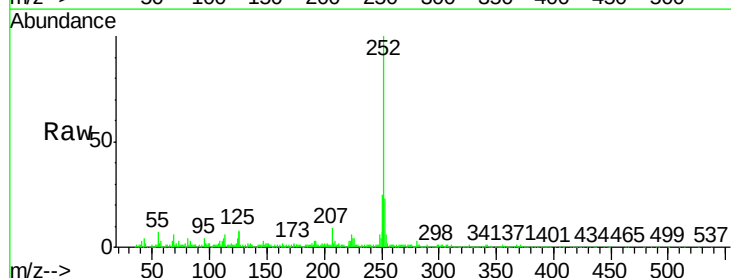
Tgt Ion:252 Resp: 628991

Ion Ratio Lower Upper

252 100

253 22.5 18.8 28.2

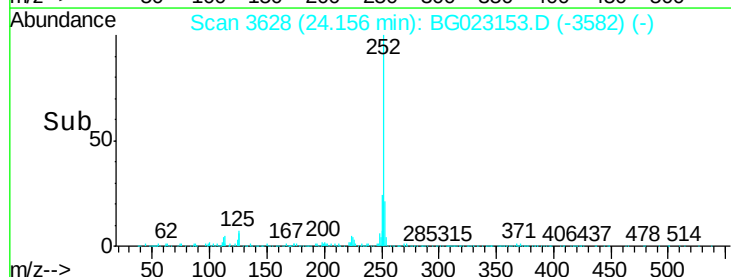
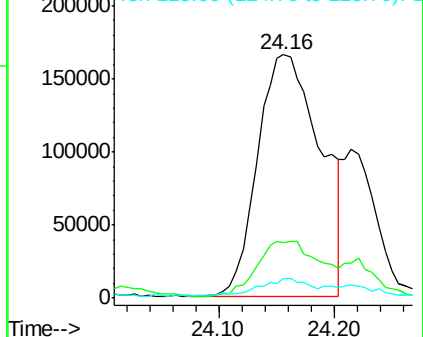
125 8.0 3.2 4.8#

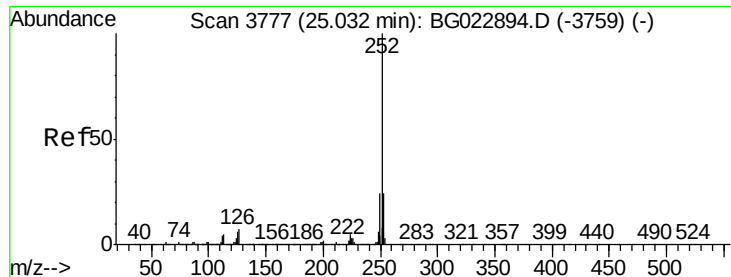


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.74 ng

RT: 25.07 min Scan# 3783

Delta R.T. 0.03 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB03(5-7ft)

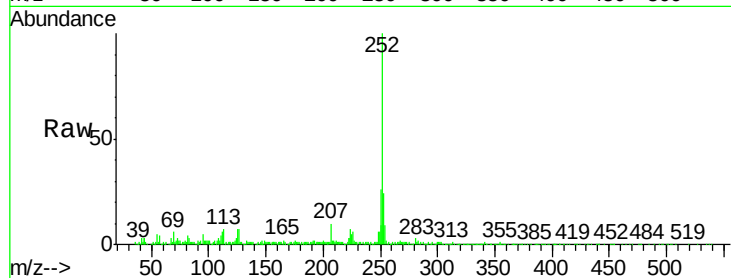
Tgt Ion:252 Resp: 480576

Ion Ratio Lower Upper

252 100

253 23.6 18.7 28.1

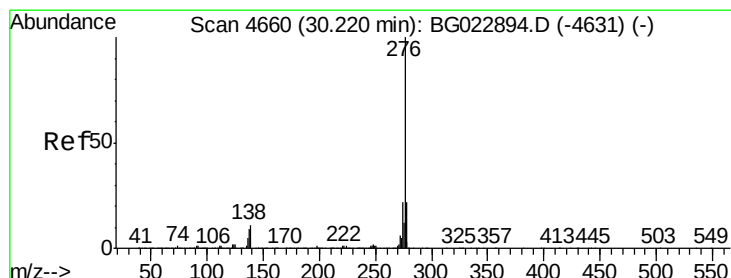
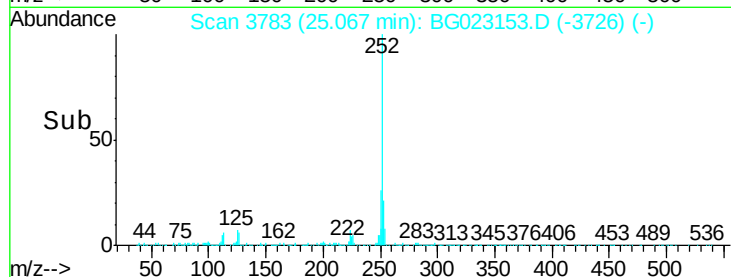
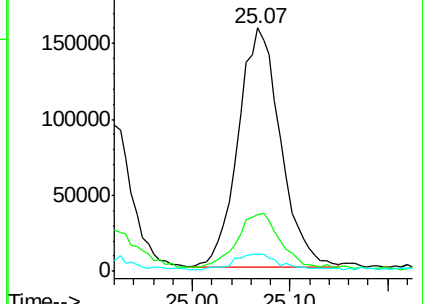
125 6.9 3.9 5.9#



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



#91

Benzo(g,h,i)perylene

Concen: 2.03 ng

RT: 30.29 min Scan# 4672

Delta R.T. 0.07 min

Lab File: BG023153.D

Acq: 16 Jul 2016 19:04

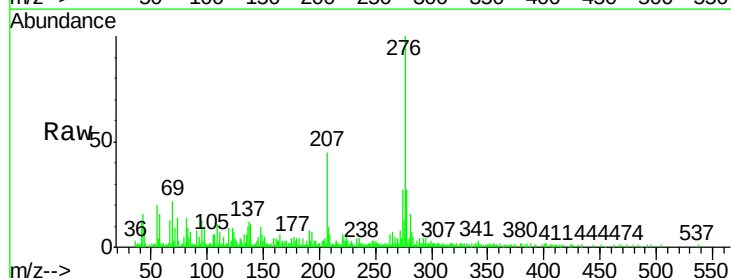
Tgt Ion:276 Resp: 99423

Ion Ratio Lower Upper

276 100

277 27.3 18.6 27.8

138 11.2 6.8 10.2#



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

