

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
 Data File : BG023150.D
 Acq On : 16 Jul 2016 17:02
 Operator : UM/SJ
 Sample : H3951-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LSS-SB-SB01(0-2ft)

Quant Time: Jul 18 01:21:02 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	136793	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	618910	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	402385	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	862814	20.00	ng	0.00
75) Chrysene-d12	21.86	240	890018	20.00	ng	0.00
86) Perylene-d12	25.23	264	912710	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	1283959	153.51	ng	0.00
7) Phenol-d6	7.31	99	1958734	149.52	ng	0.00
23) Nitrobenzene-d5	9.32	82	1473103	101.92	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	843352	116.62	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2566161	100.45	ng	0.00
78) Terphenyl-d14	20.15	244	2909597	123.59	ng	0.00

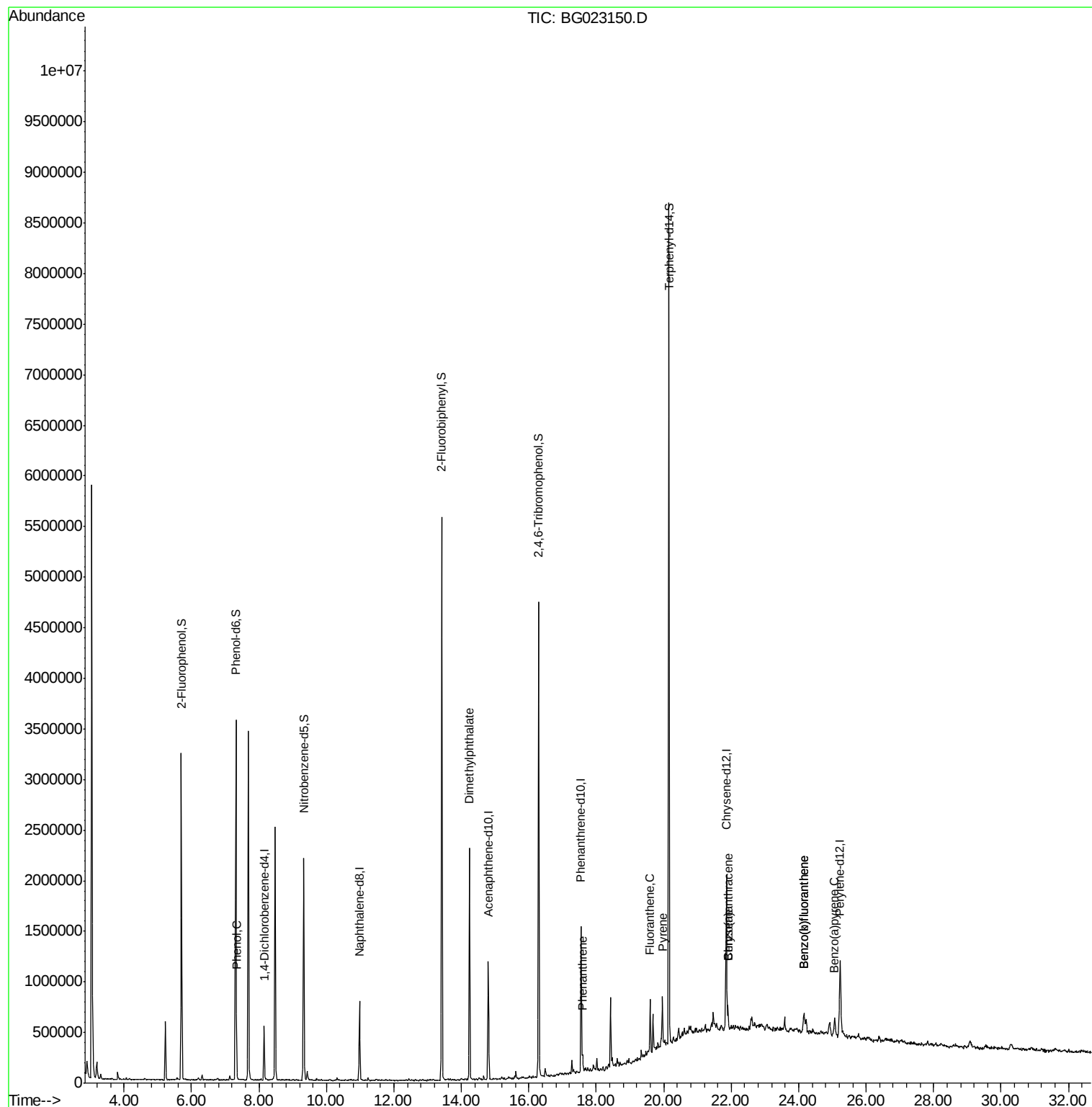
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.34	94	33527	2.49	ng	95
49) Dimethylphthalate	14.24	163	1427504	43.43	ng	97
70) Phenanthrene	17.59	178	87146	2.06	ng	99
74) Fluoranthene	19.60	202	300392	5.79	ng	95
77) Pyrene	19.96	202	310692	6.21	ng	97
80) Benzo(a)anthracene	21.90	228	174641	3.51	ng	95
82) Chrysene	21.90	228	174641	3.74	ng	95
87) Benzo(b)fluoranthene	24.15	252	271798	5.16	ng	# 98
88) Benzo(k)fluoranthene	24.15	252	271798	5.44	ng	# 97
89) Benzo(a)pyrene	25.07	252	197450	3.91	ng	# 95

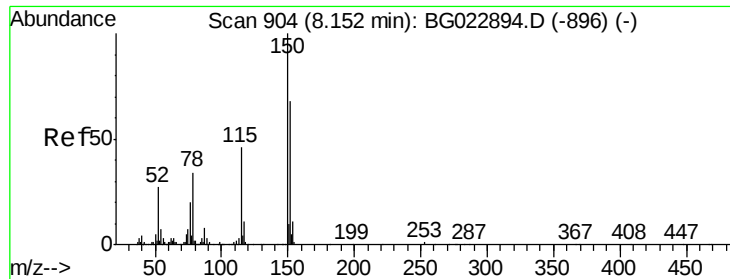
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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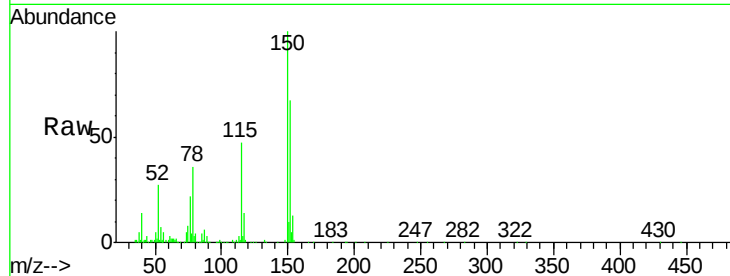


#1

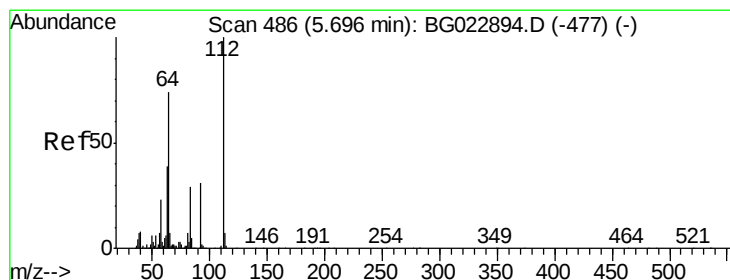
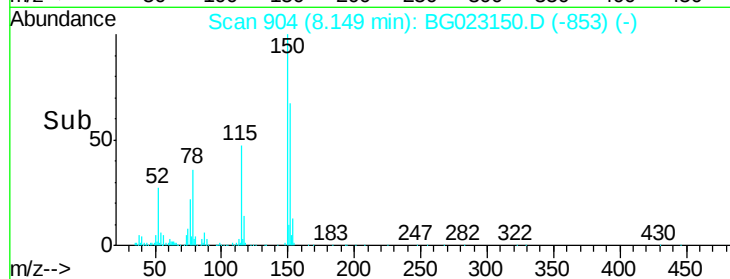
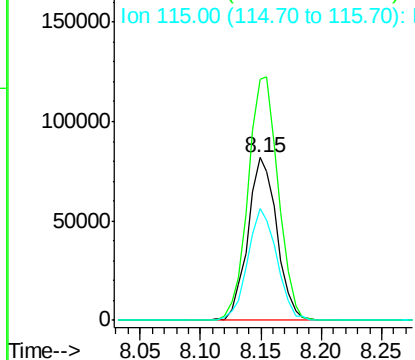
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB01(0-2ft)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.3	144.7	217.1
115	69.0	64.0	96.0



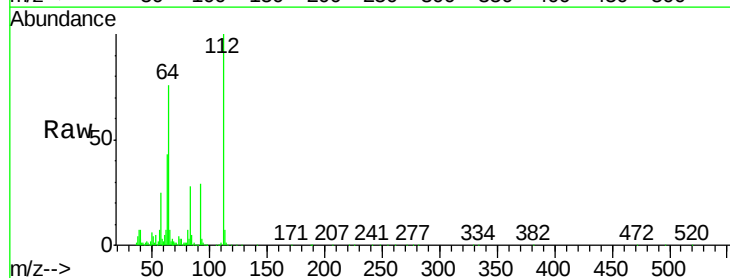
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



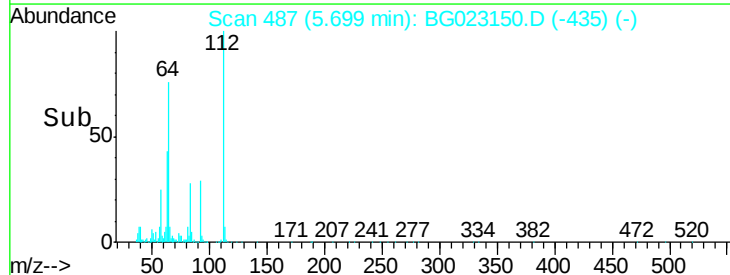
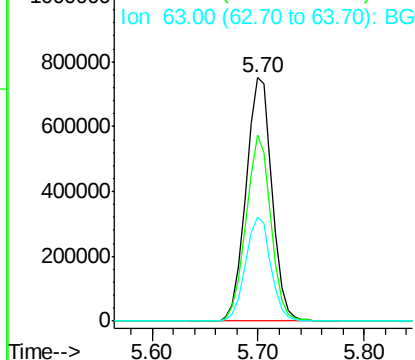
#5

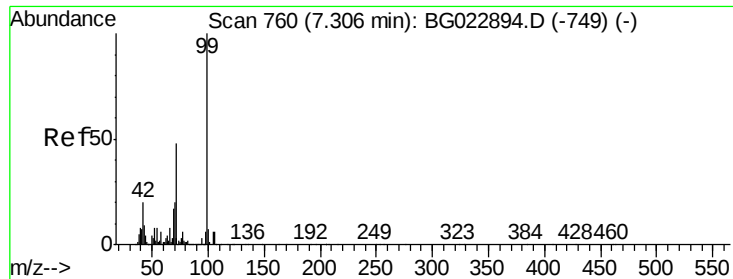
2-Fluorophenol
Concen: 153.51 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.2	59.0	88.4
63	42.8	37.8	56.8



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: 149.52 ng

RT: 7.31 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

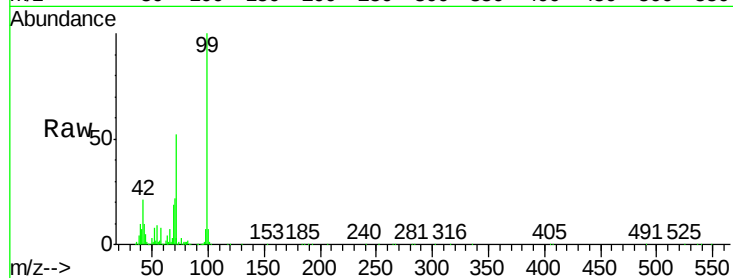
Tgt Ion: 99 Resp: 1958734

Ion Ratio Lower Upper

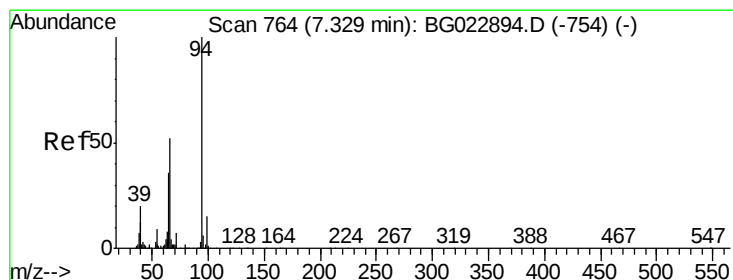
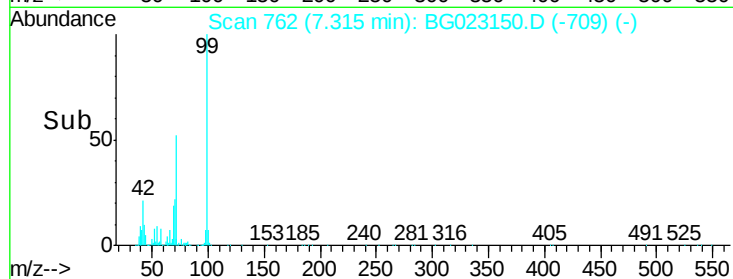
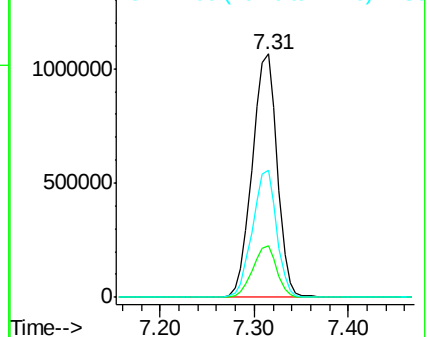
99 100

42 21.0 17.8 26.6

71 52.0 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: 2.49 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

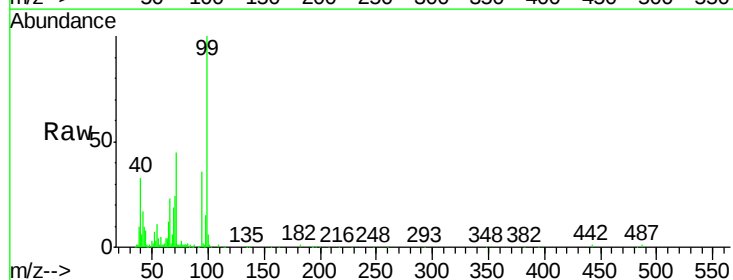
Tgt Ion: 94 Resp: 33527

Ion Ratio Lower Upper

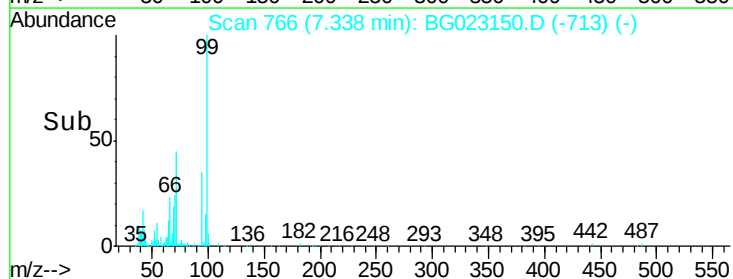
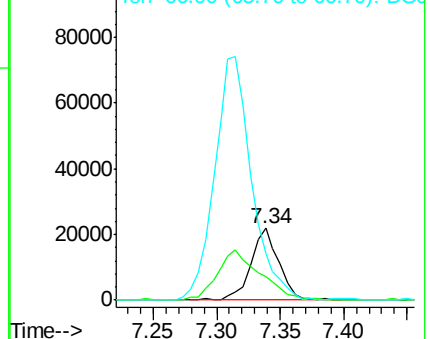
94 100

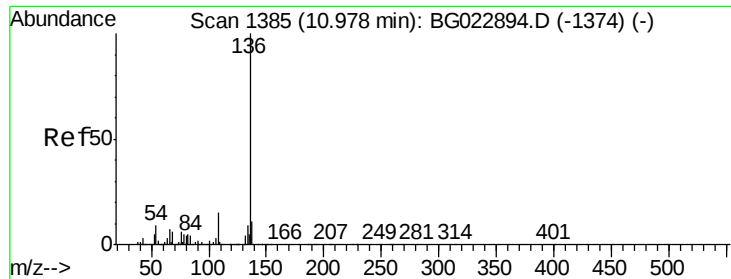
65 33.2 18.1 58.1

66 64.1 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

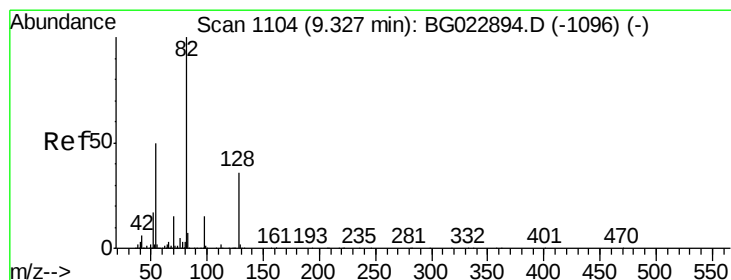
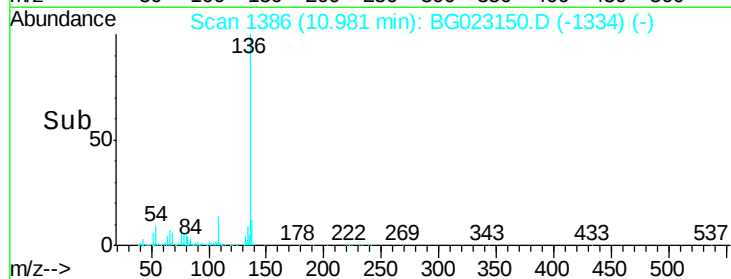
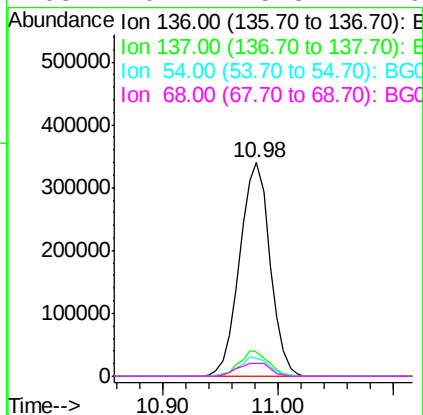
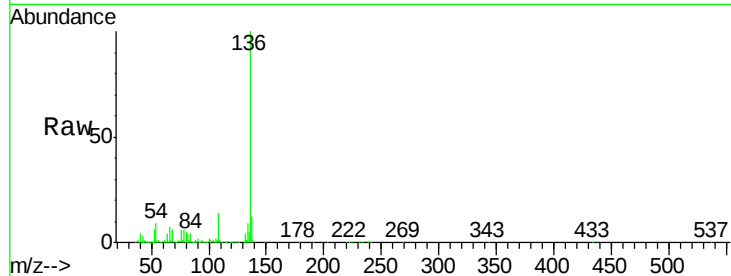




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

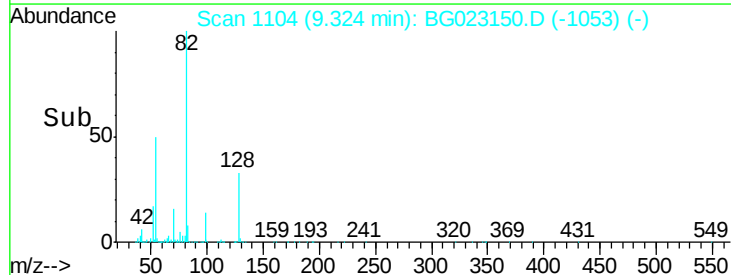
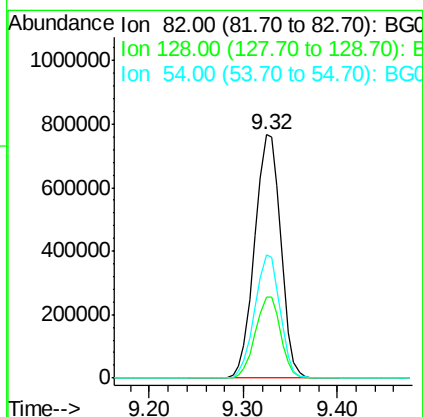
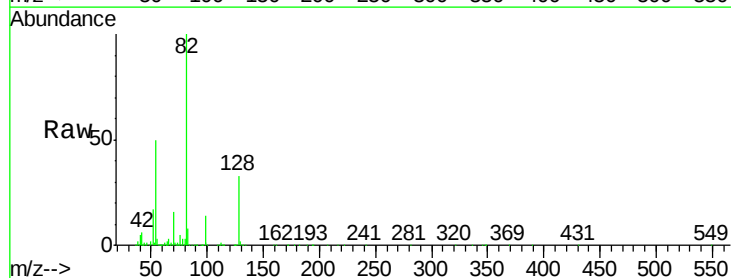
Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB01(0-2ft)

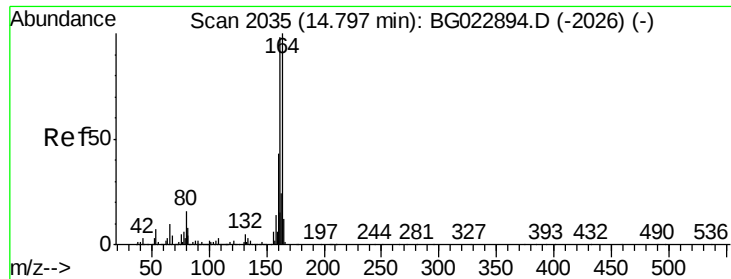
Tgt Ion:	136	Resp:	618910
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	8.6	7.3	10.9
68	6.1	5.3	7.9



#23
Nitrobenzene-d5
Concen: 101.92 ng
RT: 9.32 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

Tgt Ion:	82	Resp:	1473103
Ion	Ratio	Lower	Upper
82	100		
128	33.3	24.4	36.6
54	50.4	41.4	62.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

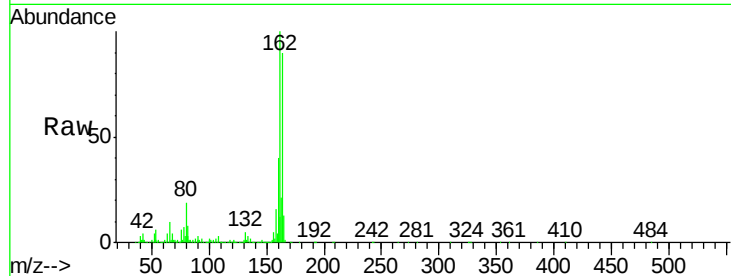
BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

Tgt Ion:164 Resp: 402385

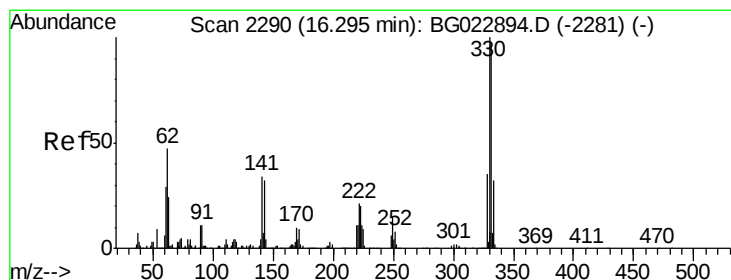
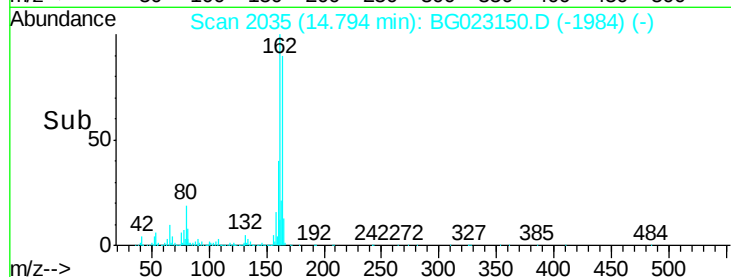
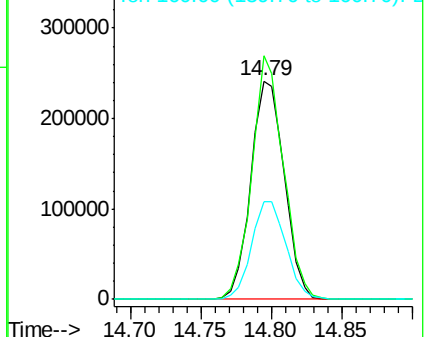
Ion	Ratio	Lower	Upper
164	100		
162	111.4	87.7	131.5
160	44.5	37.2	55.8



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: 116.62 ng

RT: 16.29 min Scan# 2290

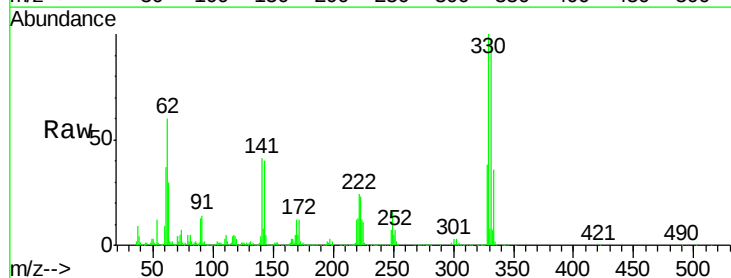
Delta R.T. -0.00 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Tgt Ion:330 Resp: 843352

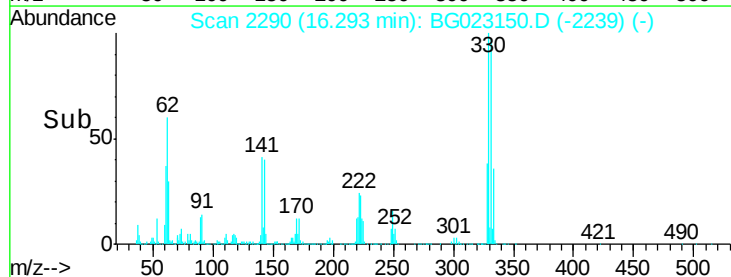
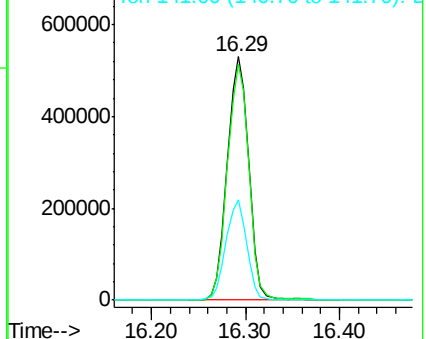
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	40.2	31.7	47.5

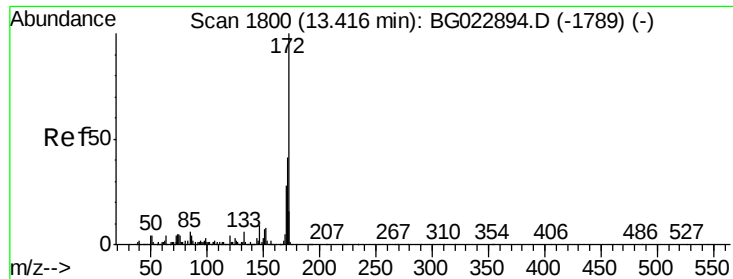


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

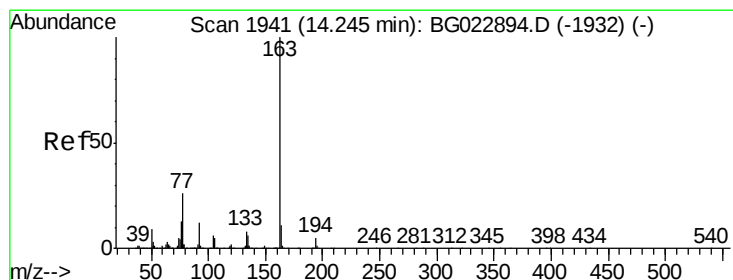
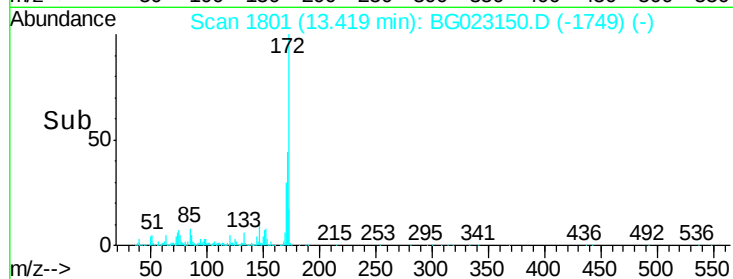
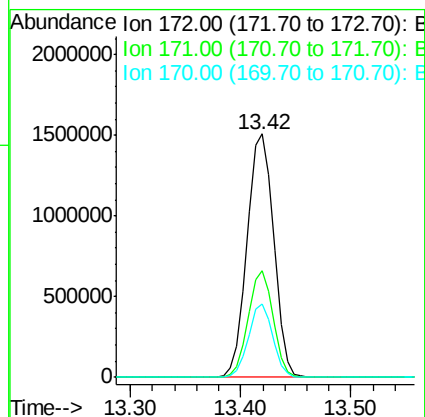
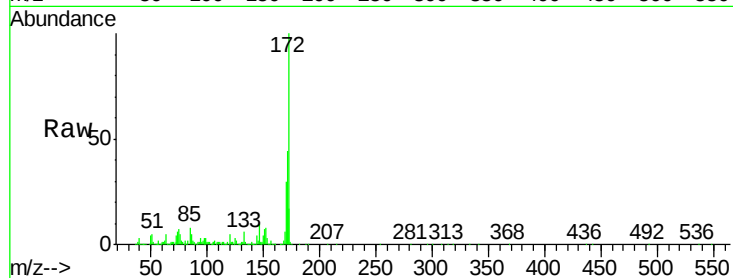




#44
 2-Fluorobiphenyl
 Concen: 100.45 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG023150.D
 Acq: 16 Jul 2016 17:02

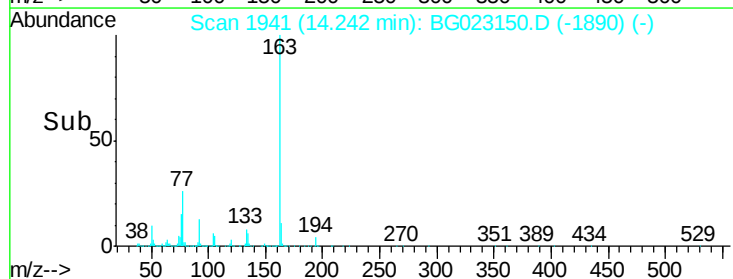
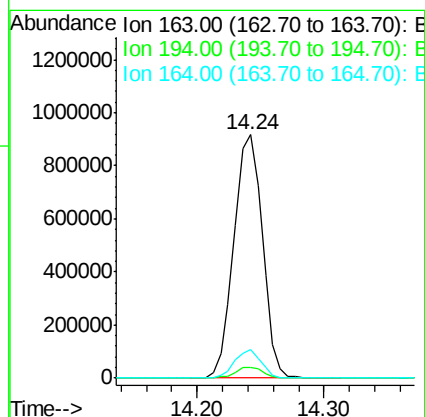
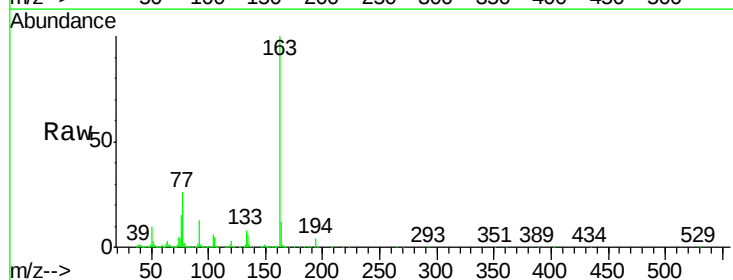
Instrument :
 BNA_G
 ClientSampleId :
 LSS-SB-SB01(0-2ft)

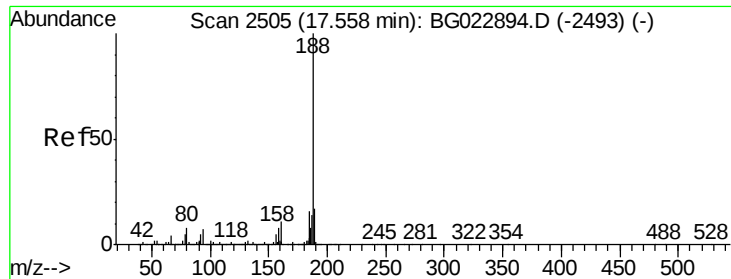
Tgt Ion:172 Resp: 2566161
 Ion Ratio Lower Upper
 172 100
 171 43.6 31.6 47.4
 170 30.2 21.3 31.9



#49
 Dimethylphthalate
 Concen: 43.43 ng
 RT: 14.24 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: BG023150.D
 Acq: 16 Jul 2016 17:02

Tgt Ion:163 Resp: 1427504
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.6 5.4
 164 11.5 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: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

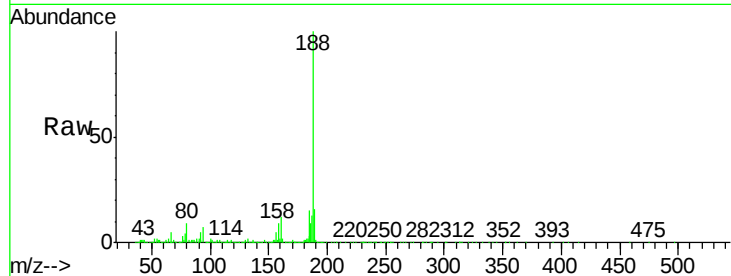
Tgt Ion:188 Resp: 862814

Ion Ratio Lower Upper

188 100

94 7.4 5.2 7.8

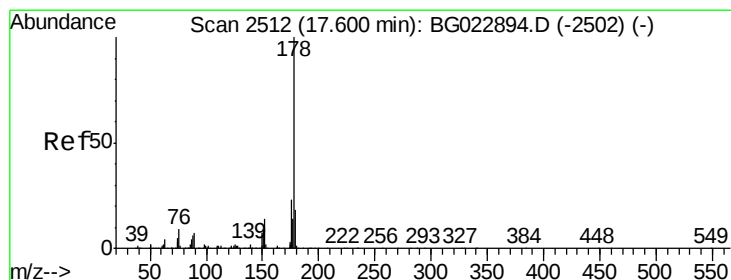
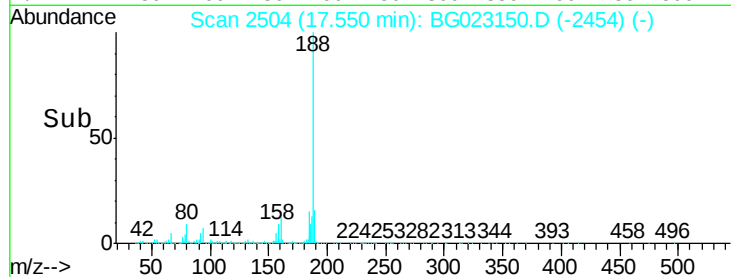
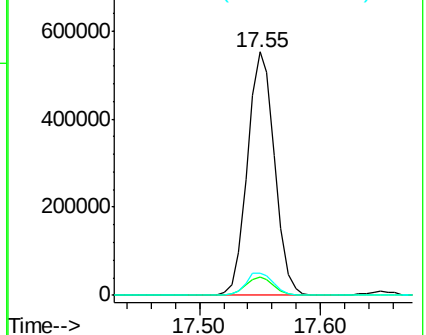
80 9.0 7.2 10.8



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



#70

Phenanthrene

Concen: 2.06 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

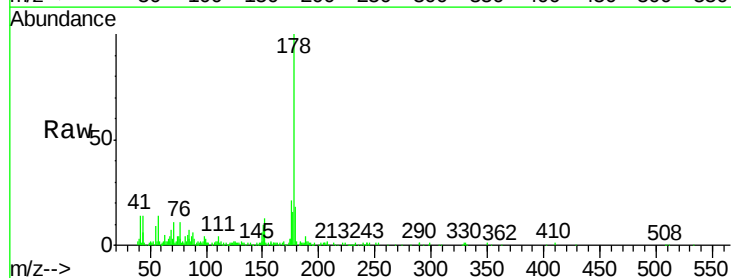
Tgt Ion:178 Resp: 87146

Ion Ratio Lower Upper

178 100

176 21.4 16.8 25.2

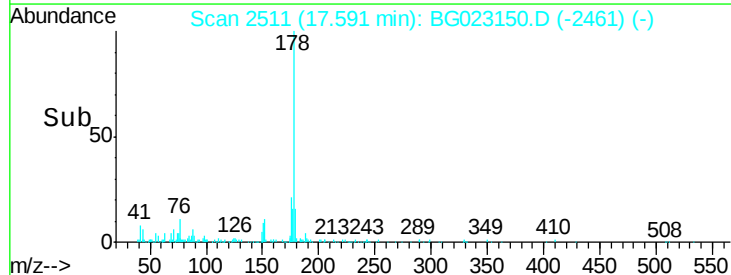
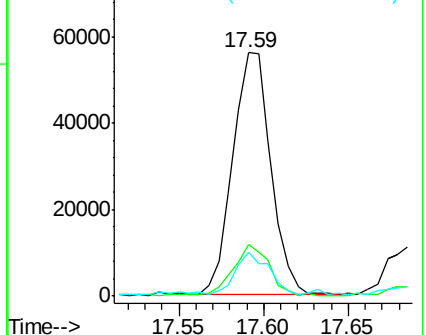
179 17.8 14.3 21.5

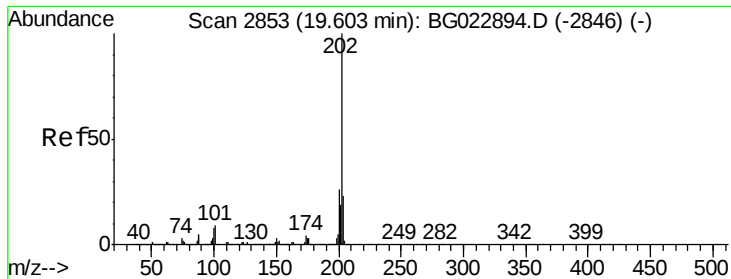


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.79 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

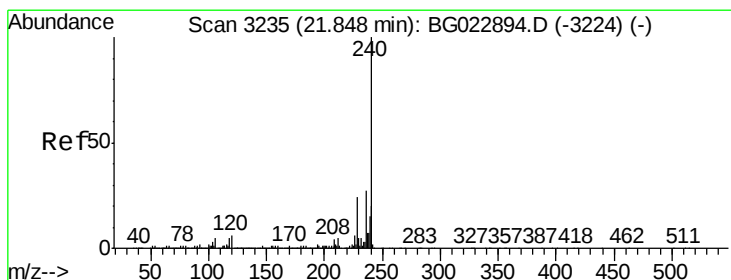
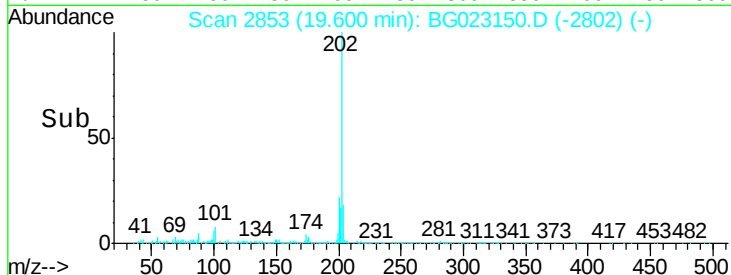
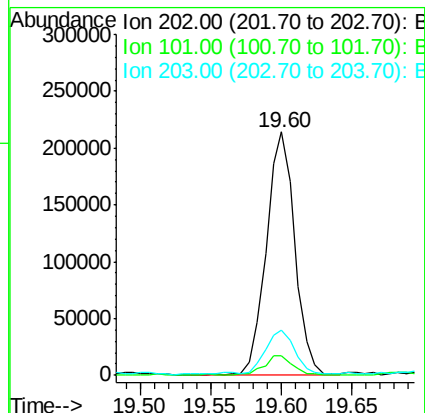
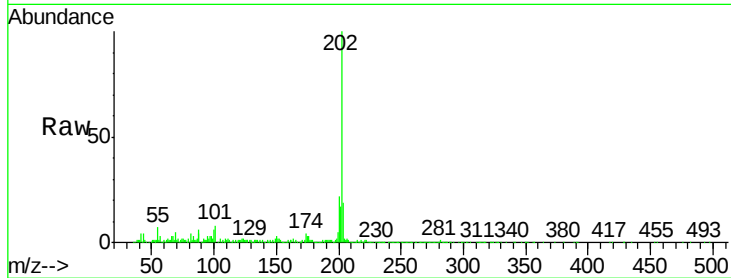
Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

Tgt Ion:	202	Resp:	300392
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	27.4
203	18.6	1.7	41.7



#75

Chrysene-d12

Concen: 20.00 ng

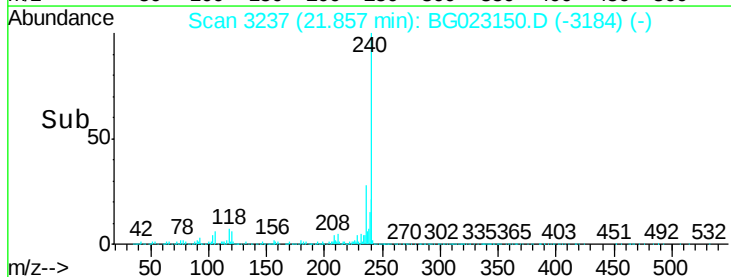
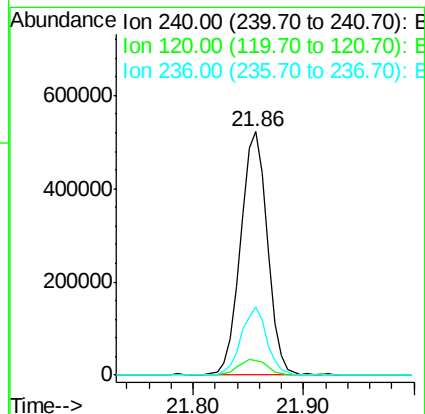
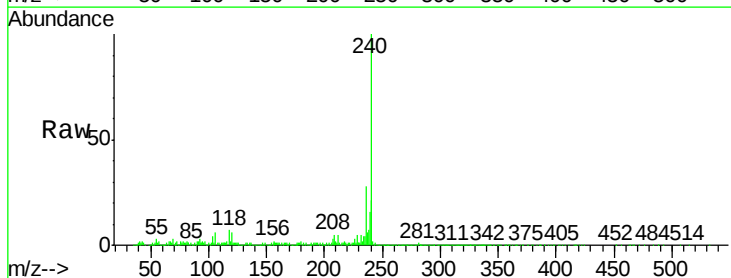
RT: 21.86 min Scan# 3237

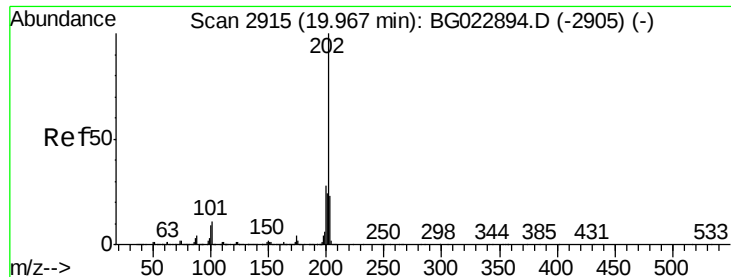
Delta R.T. 0.01 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Tgt Ion:	240	Resp:	890018
Ion Ratio	Lower	Upper	
240	100		
120	6.0	4.1	6.1
236	27.8	21.1	31.7





#77

Pyrene

Concen: 6.21 ng

RT: 19.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

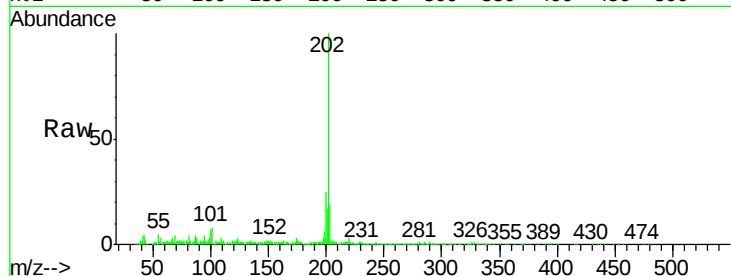
Tgt Ion:202 Resp: 310692

Ion Ratio Lower Upper

202 100

200 24.9 21.2 31.8

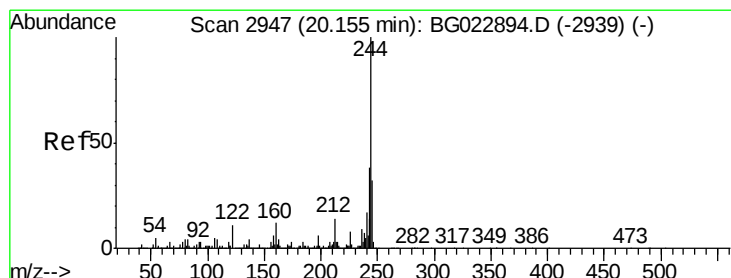
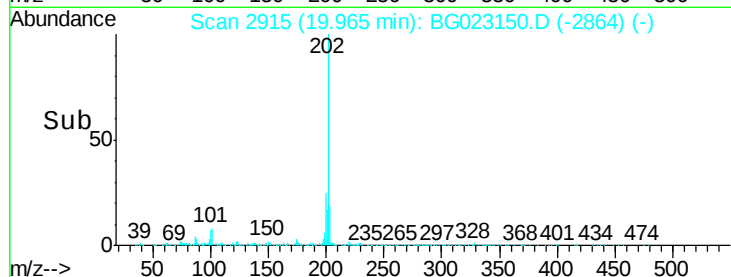
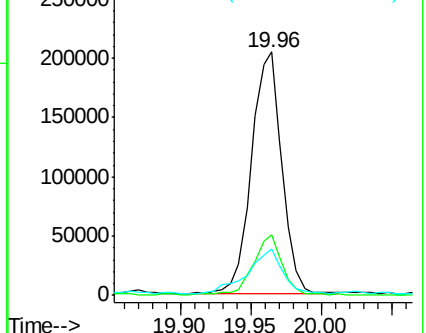
203 19.2 16.8 25.2



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: 123.59 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

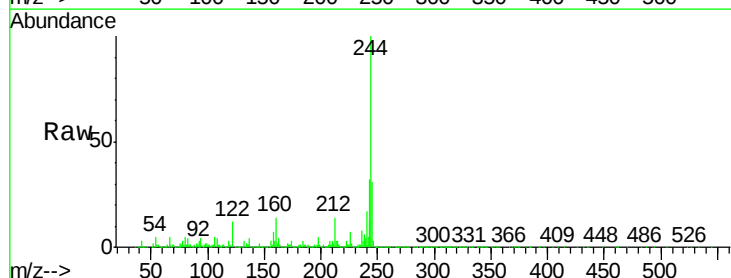
Tgt Ion:244 Resp: 2909597

Ion Ratio Lower Upper

244 100

212 14.1 10.8 16.2

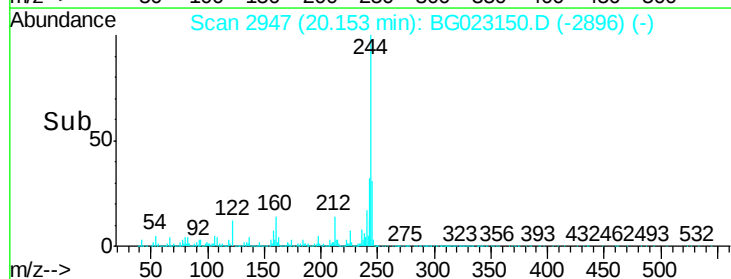
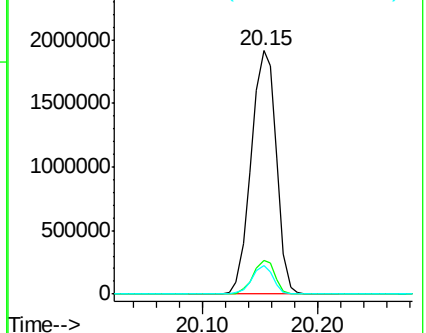
122 11.7 8.0 12.0

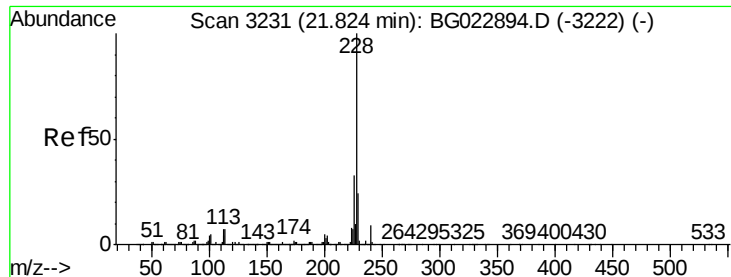


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.51 ng

RT: 21.90 min Scan# 3245

Delta R.T. 0.08 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

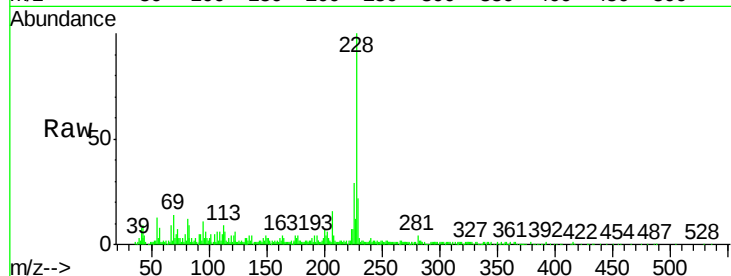
Tgt Ion:228 Resp: 174641

Ion Ratio Lower Upper

228 100

226 29.3 25.3 37.9

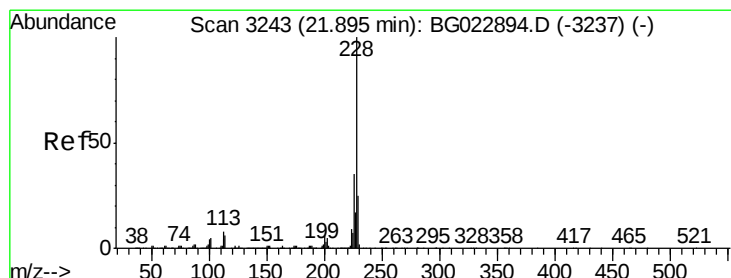
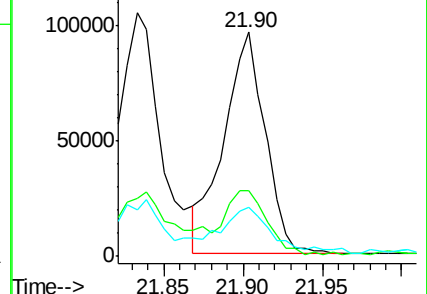
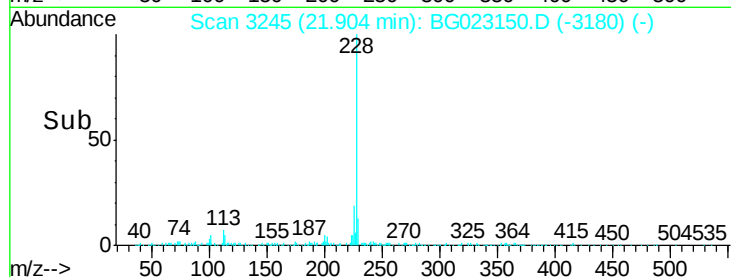
229 22.0 19.9 29.9



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: 3.74 ng

RT: 21.90 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

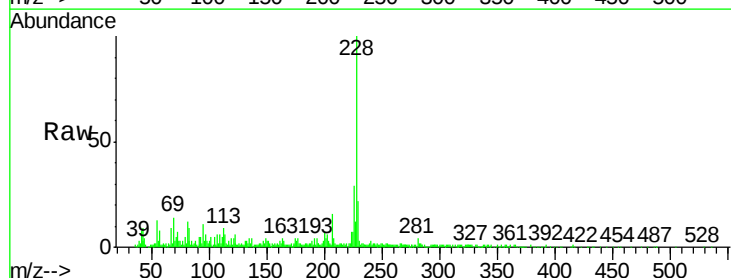
Tgt Ion:228 Resp: 174641

Ion Ratio Lower Upper

228 100

226 29.3 26.7 40.1

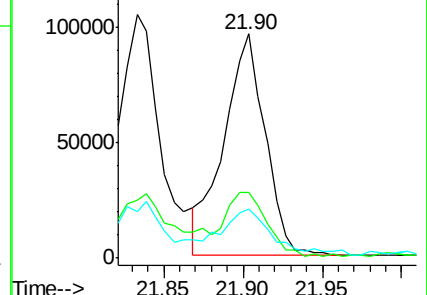
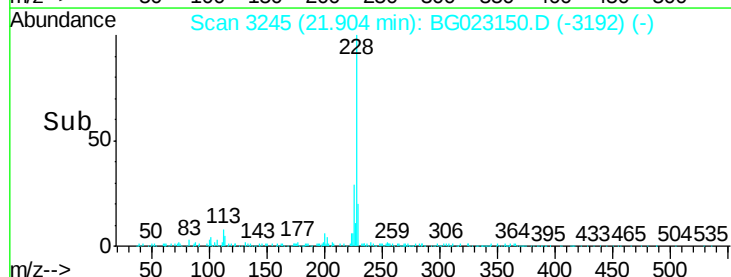
229 22.0 17.4 26.2

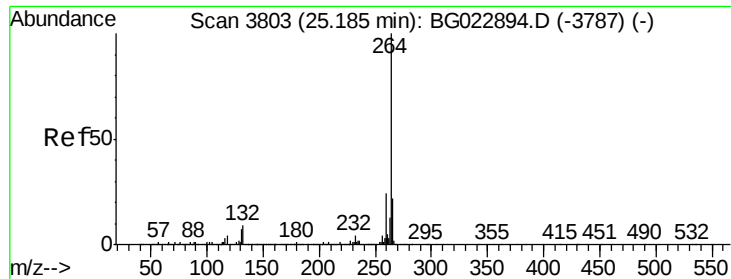


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

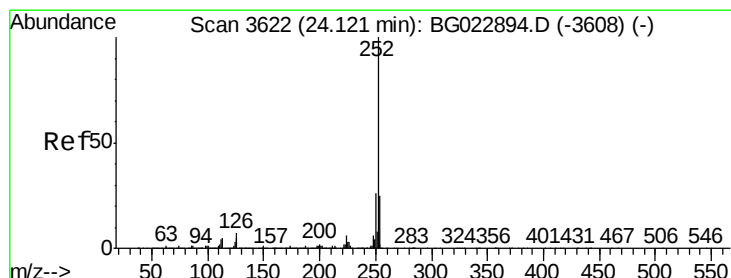
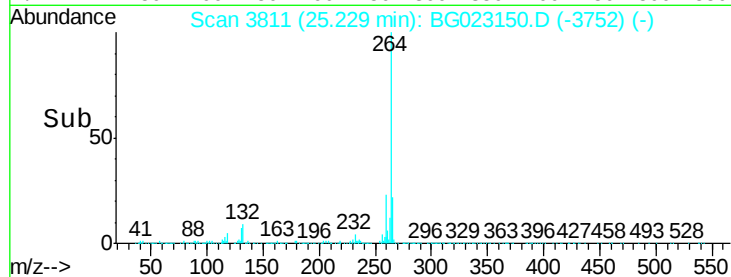
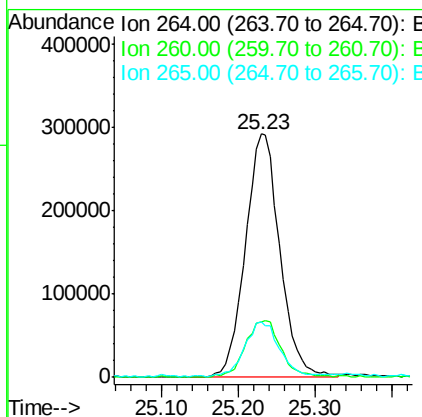
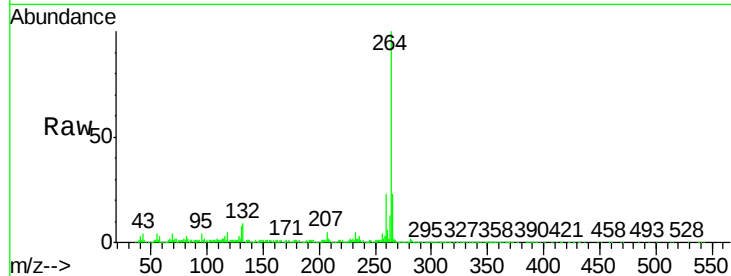




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.23 min Scan# 3811
Delta R.T. 0.04 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

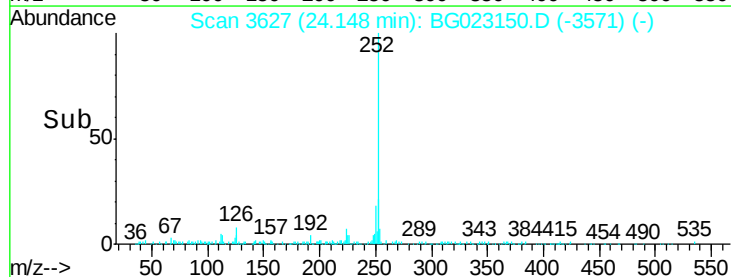
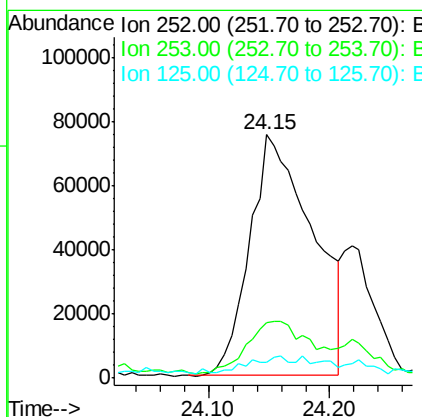
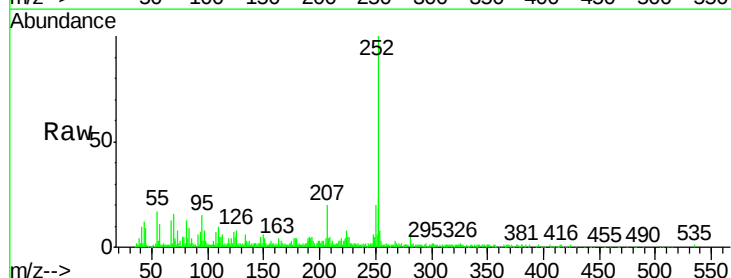
Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB01(0-2ft)

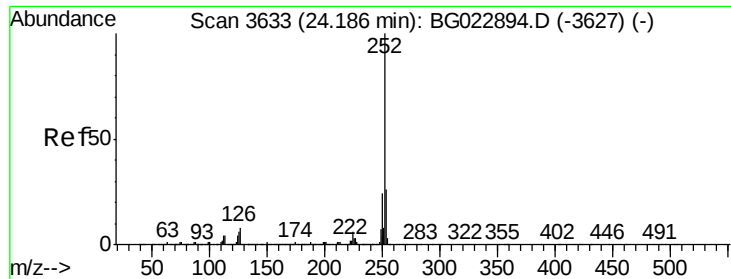
Tgt Ion:	264	Resp:	912710
Ion Ratio		Lower	Upper
264	100		
260	22.7	18.4	27.6
265	22.8	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 5.16 ng
RT: 24.15 min Scan# 3627
Delta R.T. 0.03 min
Lab File: BG023150.D
Acq: 16 Jul 2016 17:02

Tgt Ion:	252	Resp:	271798
Ion Ratio		Lower	Upper
252	100		
253	22.7	18.9	28.3
125	6.5	3.9	5.9#





#88

Benzo(k)fluoranthene

Concen: 5.44 ng

RT: 24.15 min Scan# 3627

Delta R.T. -0.04 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB01(0-2ft)

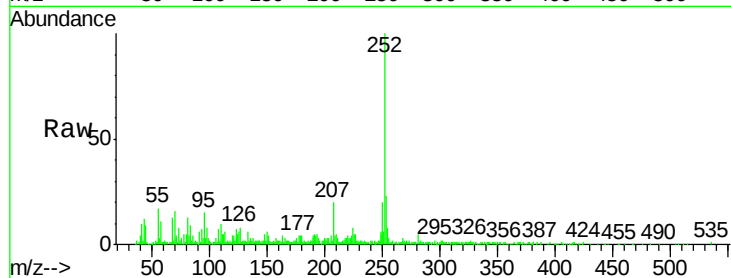
Tgt Ion:252 Resp: 271798

Ion Ratio Lower Upper

252 100

253 22.7 18.8 28.2

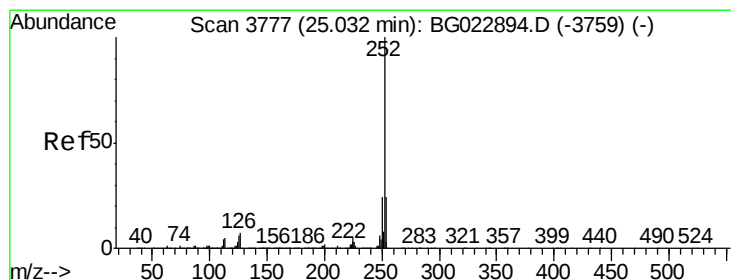
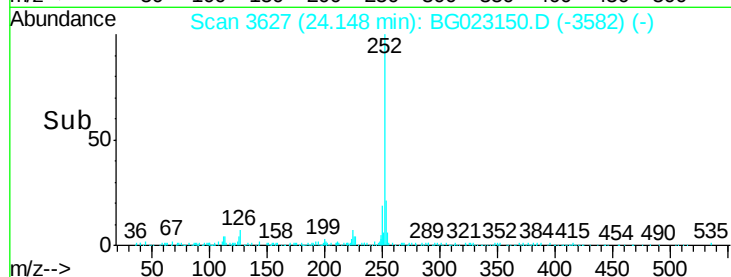
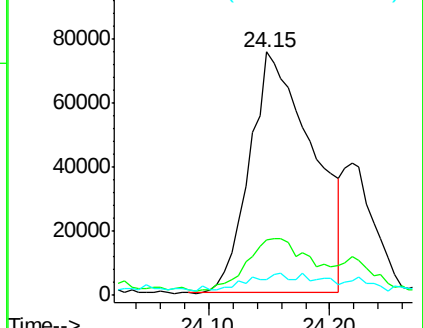
125 6.5 3.2 4.8#



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: 3.91 ng

RT: 25.07 min Scan# 3784

Delta R.T. 0.04 min

Lab File: BG023150.D

Acq: 16 Jul 2016 17:02

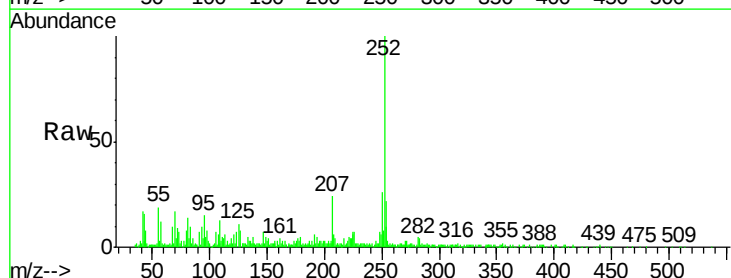
Tgt Ion:252 Resp: 197450

Ion Ratio Lower Upper

252 100

253 22.2 18.7 28.1

125 10.7 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

