

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023624.D
 Acq On : 11 Aug 2016 13:22
 Operator : UM/SJ
 Sample : H4362-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-2430-01

Quant Time: Aug 12 03:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 03:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	215363	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	1006351	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	666743	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1456947	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1228073	20.00	ng/ul	0.02
83) Perylene-d12	25.31	264	1218076	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	1471	0.29	ng/uL	0.00
5) Phenol-d5	7.28	99	175276	8.08	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.44	67	143951	10.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	145955	9.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.84	113	95220	5.62	ng/ul	0.02
19) Nitrobenzene-d5	9.30	128	84553	10.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.03	143	113538	12.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.58	165	181487	10.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.16	131	3029	0.15	ng/ul	0.07
43) Dimethylphthalate-d6	14.19	166	613229	11.23	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	716369	11.66	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	50082	5.37	ng/ul	0.02
57) Fluorene-d10	15.78	176	560838	11.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	46487	4.97	ng/ul	0.00
70) Anthracene-d10	17.65	188	812463	12.38	ng/ul	0.00
76) Pyrene-d10	19.95	212	707917	11.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	640965	11.63	ng/ul	0.03

Target Compounds

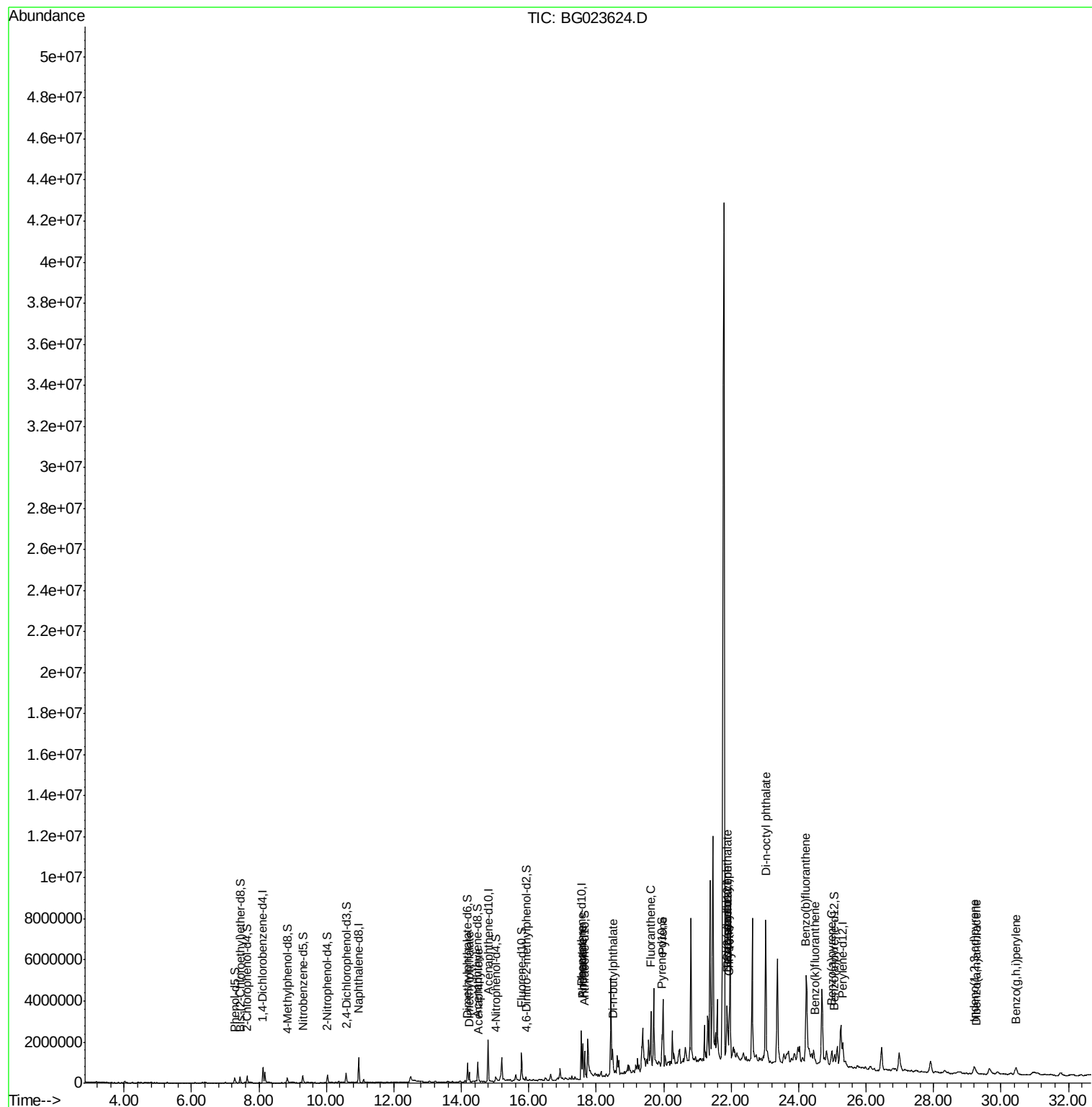
						Qvalue
44) Dimethylphthalate	14.23	163	314256	5.81	ng/ul#	97
47) Acenaphthylene	14.52	152	111660	1.74	ng/ul	94
69) Phenanthrene	17.60	178	1066301	14.13	ng/ul	96
71) Anthracene	17.60	178	1062566	13.80	ng/ul	96
73) Di-n-butylphthalate	18.50	149	129839	1.67	ng/ul#	96
74) Fluoranthene	19.61	202	1599469	20.71	ng/ul#	94
77) Pyrene	19.98	202	1912373	25.19	ng/ul	97
80) Benzo(a)anthracene	21.86	228	955264	13.81	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.87	149	49554	1.28	ng/ul	93
82) Chrysene	21.94	228	1082303	17.21	ng/ul#	91
84) Di-n-octyl phthalate	23.02	149	3516058	57.15	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1100526	15.88	ng/ul	96
86) Benzo(k)fluoranthene	24.49	252	201329	2.95	ng/ul	94
88) Benzo(a)pyrene	24.98	252	692840	10.36	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.21	276	344589	4.38	ng/ul#	89
90) Dibenzo(a,h)anthracene	29.26	278	102023	1.52	ng/ul#	88
91) Benzo(g,h,i)perylene	30.43	276	356834	5.48	ng/ul#	83

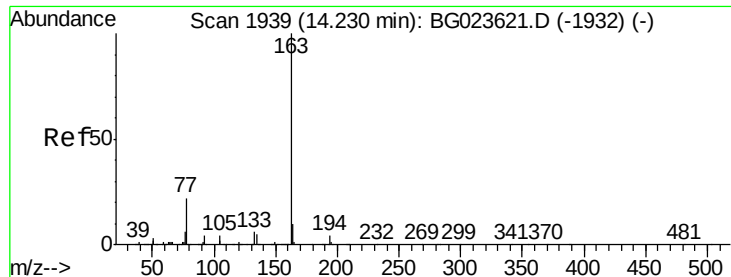
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 5.81 ng/ul

RT: 14.23 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

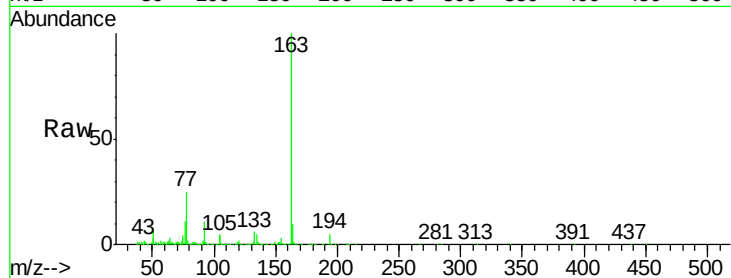
Tgt Ion:163 Resp: 314256

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.2#

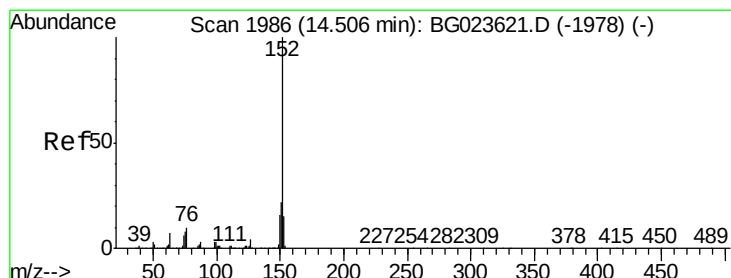
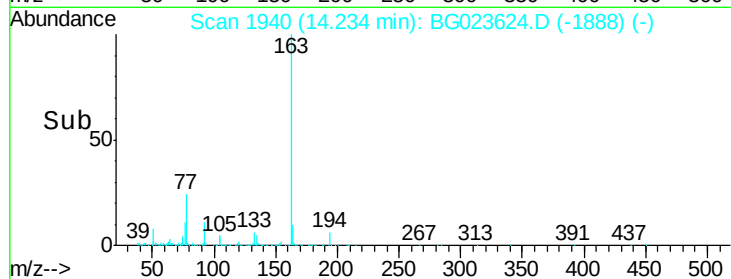
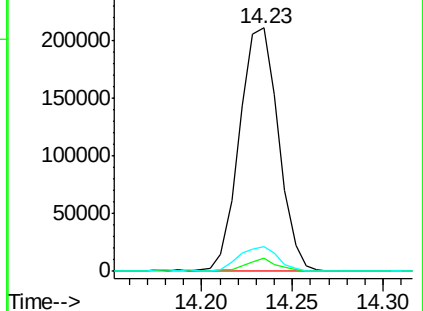
164 10.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.74 ng/ul

RT: 14.52 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

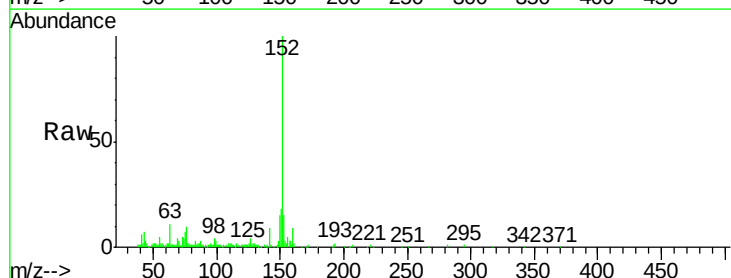
Tgt Ion:152 Resp: 111660

Ion Ratio Lower Upper

152 100

151 18.0 17.5 26.3

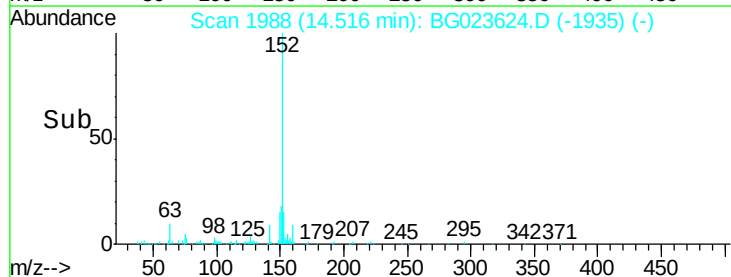
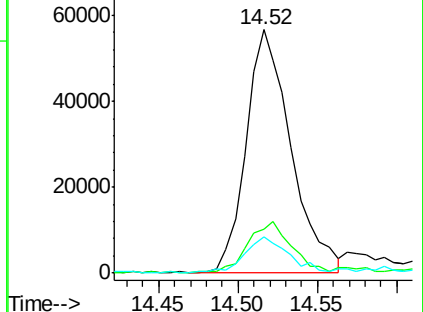
153 14.8 11.1 16.7

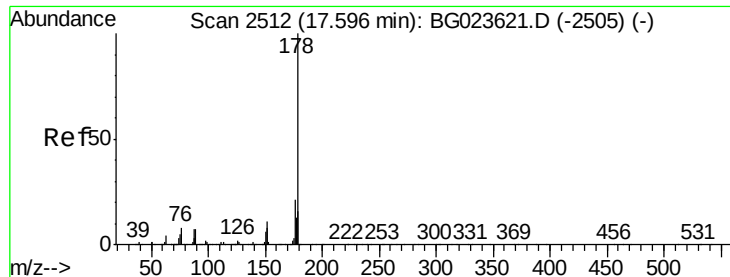


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#69

Phenanthrene

Concen: 14.13 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

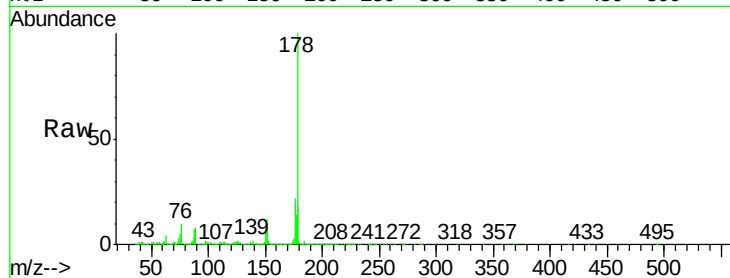
Tgt Ion:178 Resp: 1066301

Ion Ratio Lower Upper

178 100

179 18.2 12.9 19.3

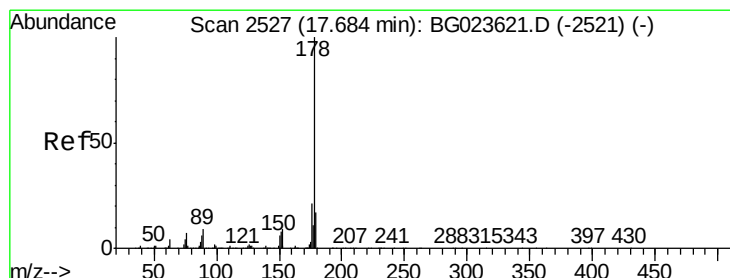
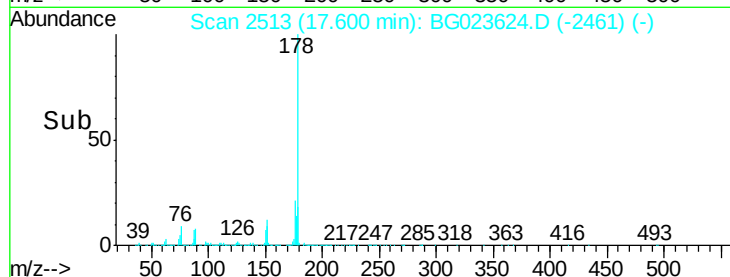
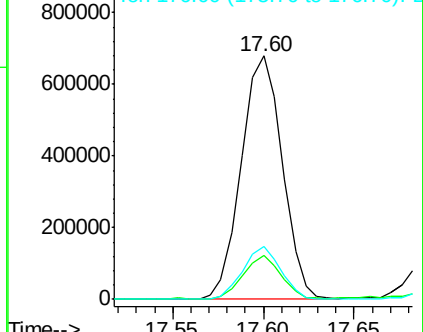
176 21.5 15.8 23.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 13.80 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.08 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

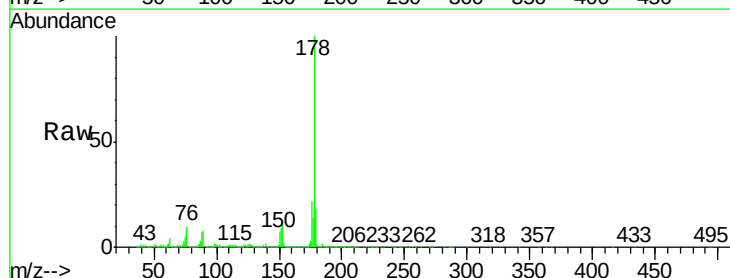
Tgt Ion:178 Resp: 1062566

Ion Ratio Lower Upper

178 100

179 18.2 12.3 18.5

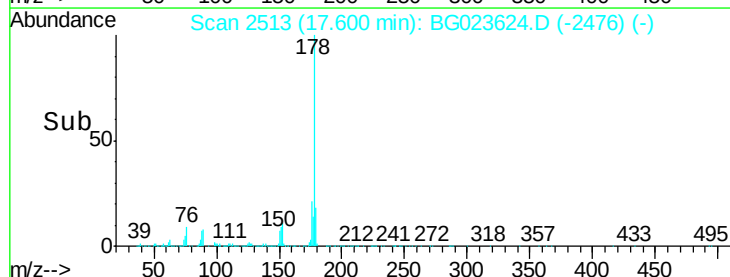
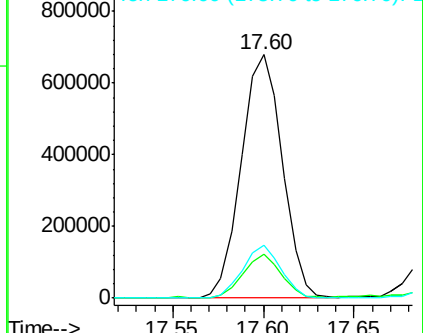
176 21.5 16.3 24.5

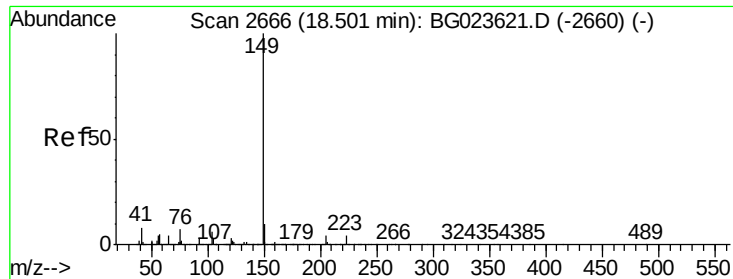


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 1.67 ng/ul

RT: 18.50 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

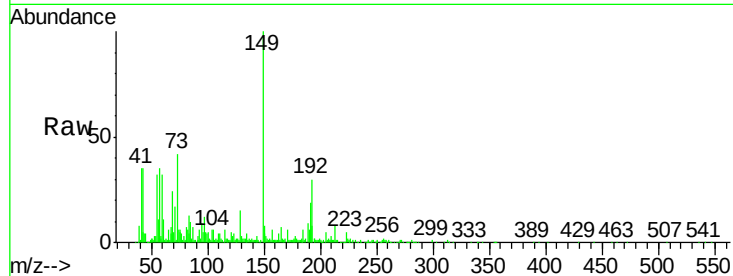
Tgt Ion:149 Resp: 129839

Ion Ratio Lower Upper

149 100

150 7.9 7.1 10.7

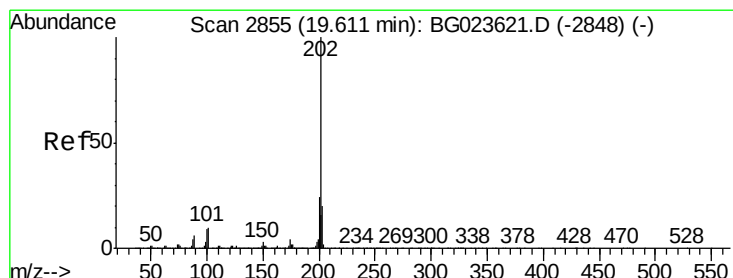
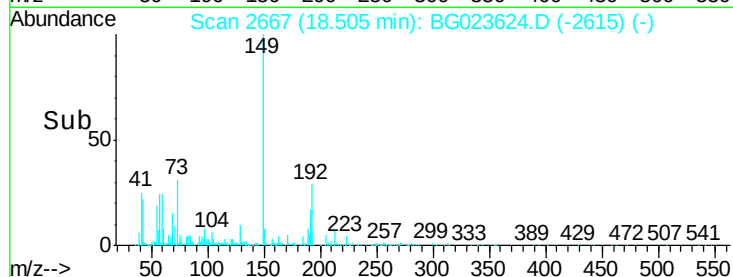
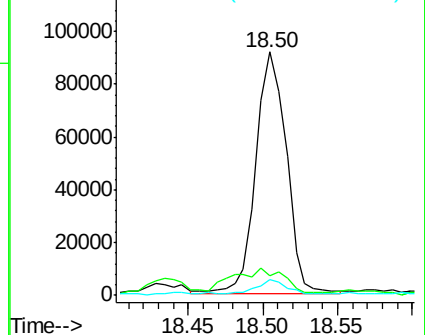
104 6.5 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 20.71 ng/ul

RT: 19.61 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

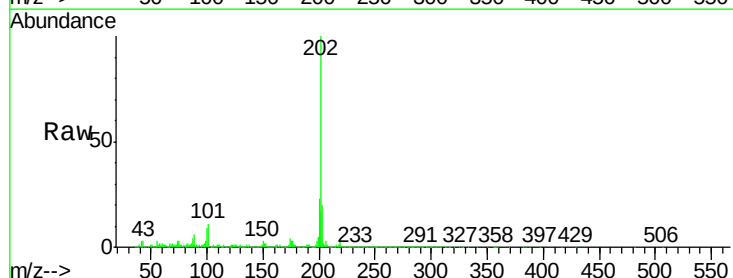
Tgt Ion:202 Resp: 1599469

Ion Ratio Lower Upper

202 100

101 11.0 10.6 16.0

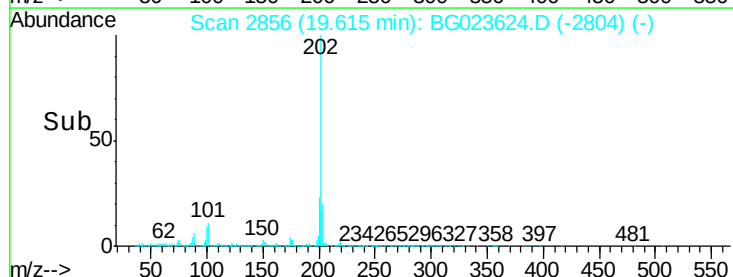
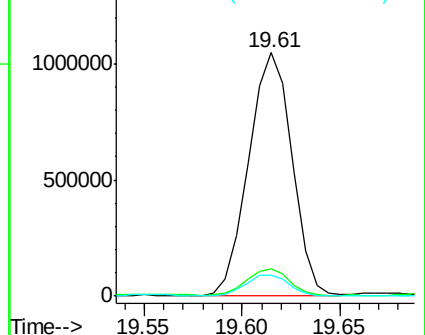
100 8.6 8.7 13.1#

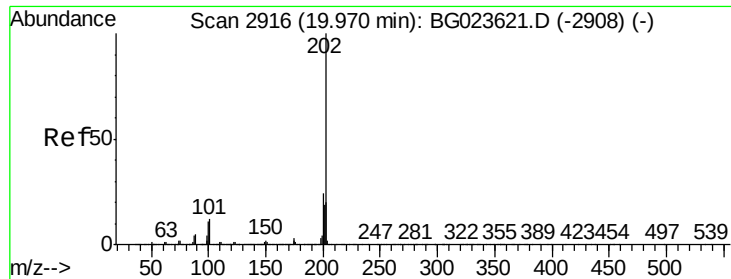


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 25.19 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

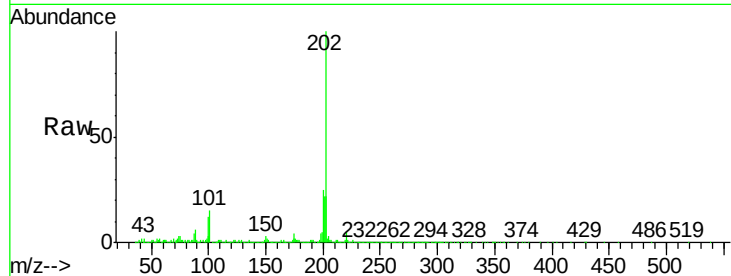
Tgt Ion:202 Resp: 1912373

Ion Ratio Lower Upper

202 100

101 14.5 12.5 18.7

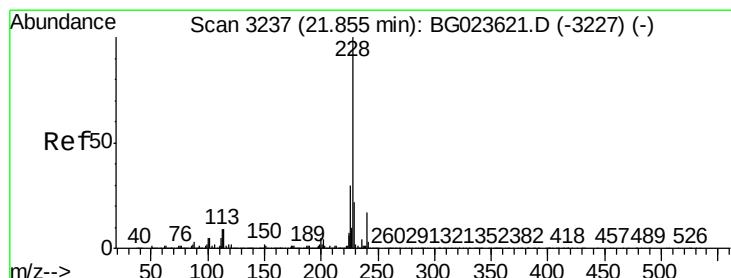
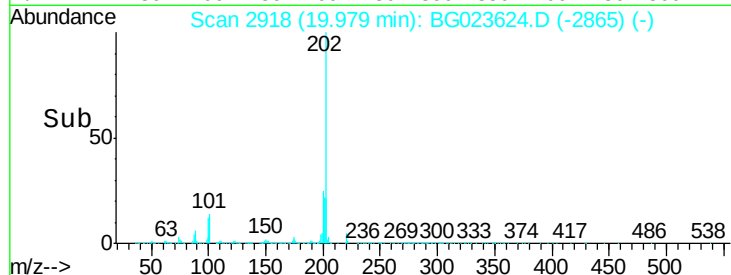
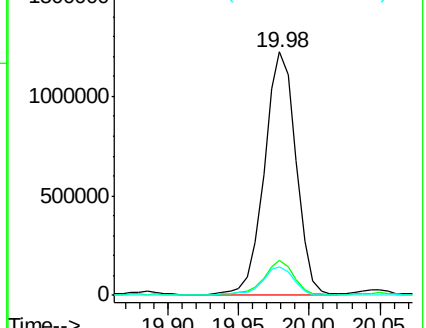
100 11.7 10.2 15.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 13.81 ng/ul

RT: 21.86 min Scan# 3239

Delta R.T. 0.01 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

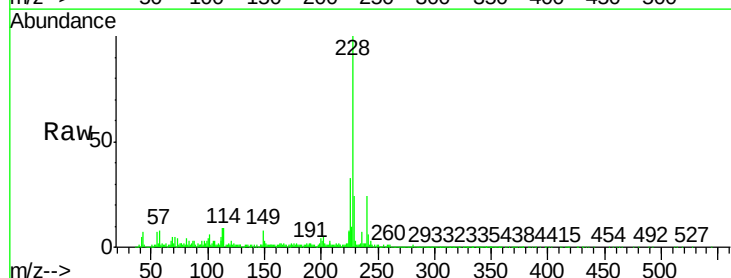
Tgt Ion:228 Resp: 955264

Ion Ratio Lower Upper

228 100

229 24.4 15.4 23.2#

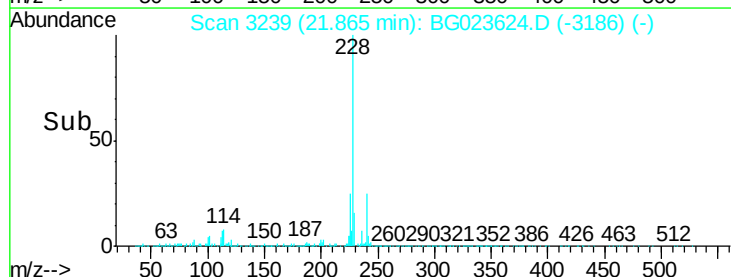
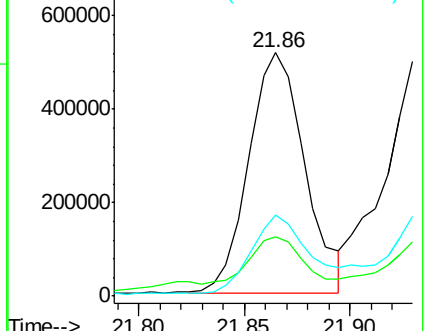
226 33.1 22.8 34.2

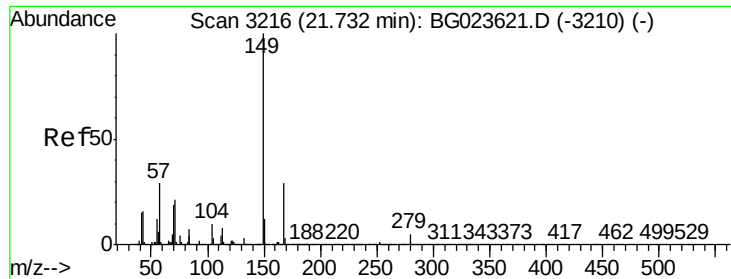


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

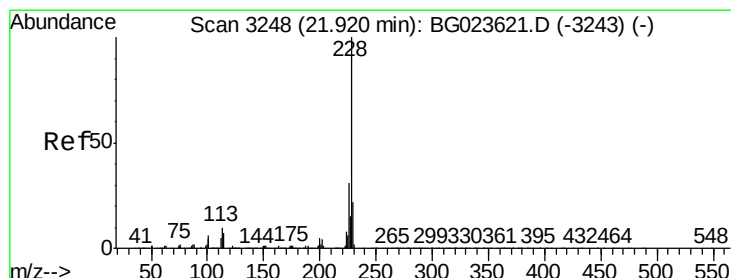
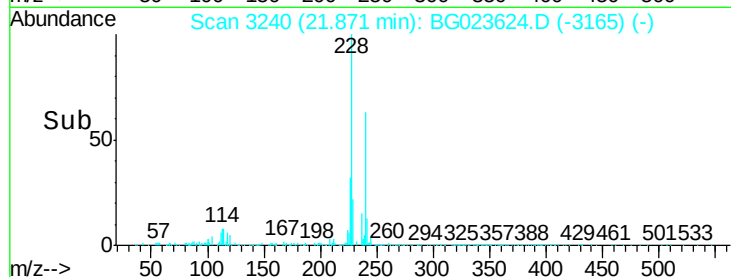
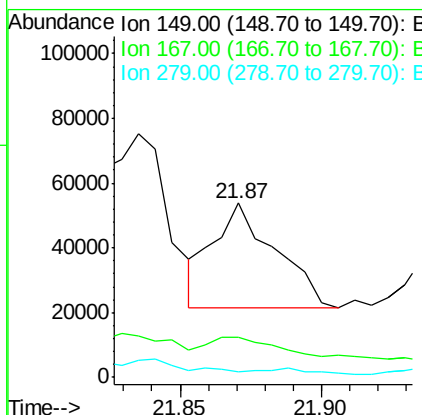
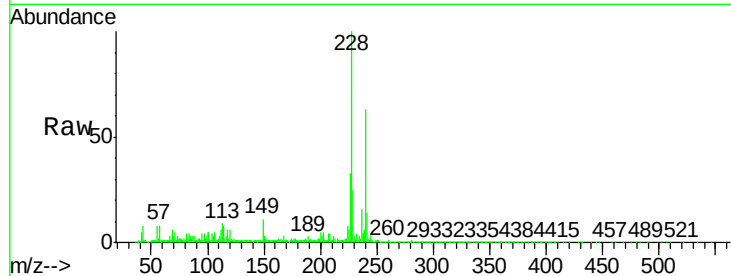




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.28 ng/ul
 RT: 21.87 min Scan# 3240
 Delta R.T. 0.14 min
 Lab File: BG023624.D
 Acq: 11 Aug 2016 13:22

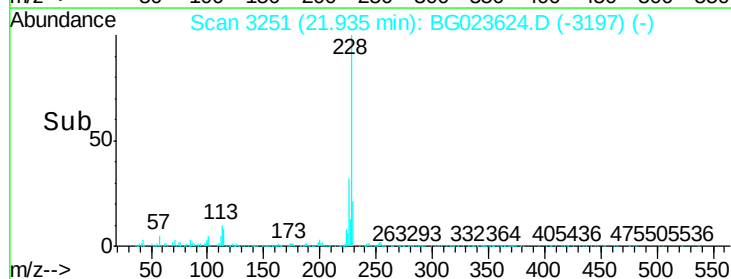
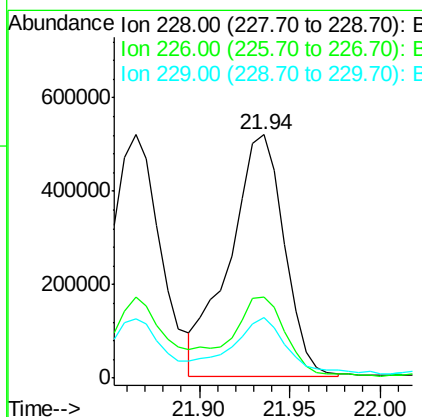
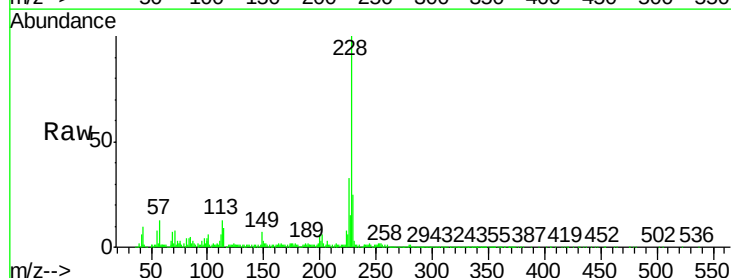
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 BNA_G
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 PR001-SS004-2430-01

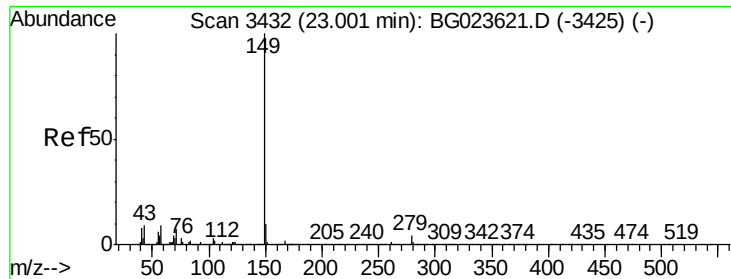
Tgt Ion	Resp	Lower	Upper
149	100		
167	23.2	21.9	32.9
279	3.4	2.9	4.3



#82
 Chrysene
 Concen: 17.21 ng/ul
 RT: 21.94 min Scan# 3251
 Delta R.T. 0.02 min
 Lab File: BG023624.D
 Acq: 11 Aug 2016 13:22

Tgt Ion	Resp	Lower	Upper
228	100		
226	33.5	24.2	36.4
229	24.7	15.0	22.6





#84

Di-n-octyl phthalate

Concen: 57.15 ng/ul

RT: 23.02 min Scan# 3436

Delta R.T. 0.02 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

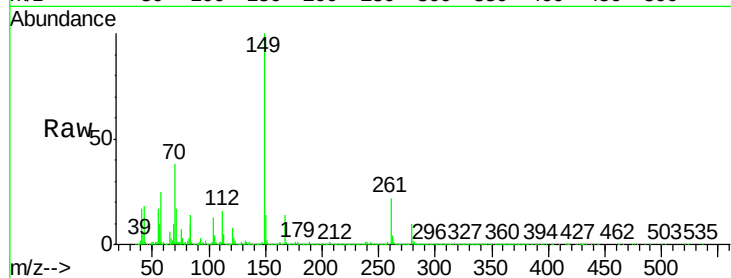
Instrument :

BNA_G

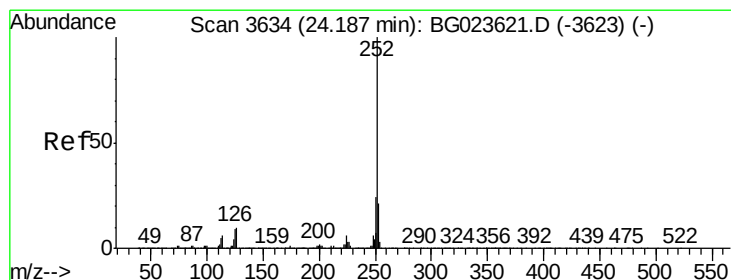
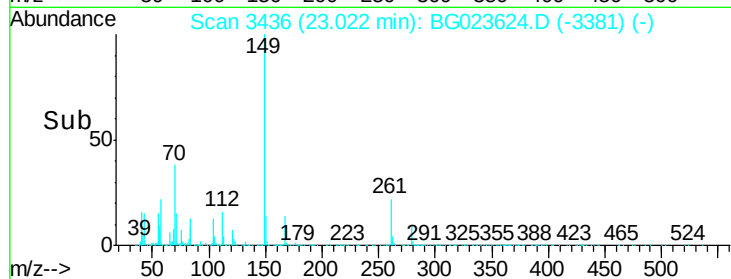
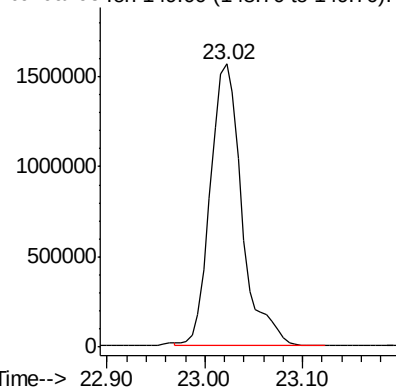
ClientSampleId :

PR001-SS004-2430-01

Tgt Ion:149 Resp: 3516058



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 15.88 ng/ul

RT: 24.21 min Scan# 3639

Delta R.T. 0.03 min

Lab File: BG023624.D

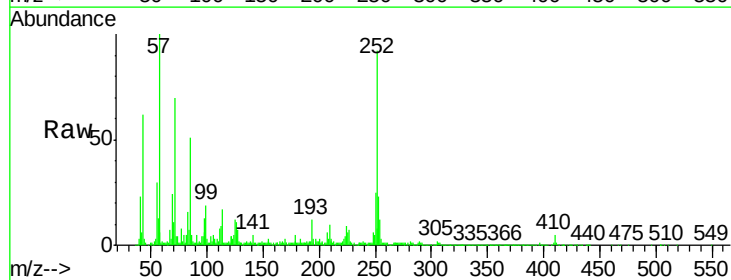
Acq: 11 Aug 2016 13:22

Tgt Ion:252 Resp: 1100526

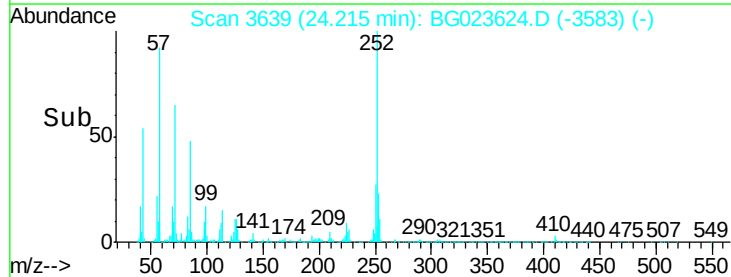
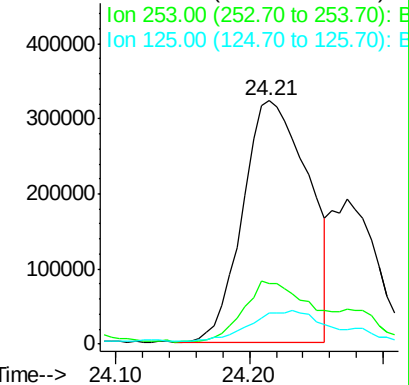
Ion	Ratio	Lower	Upper
252	100		

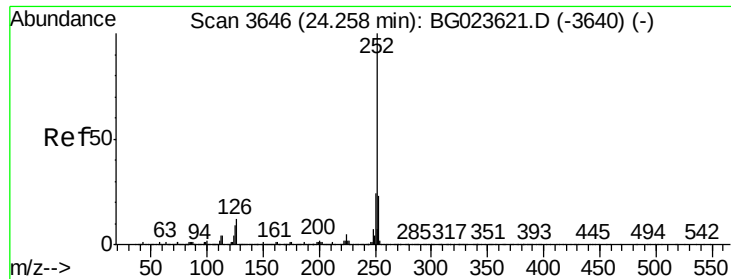
253	24.9	18.2	27.2
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125	12.6	10.8	16.2
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Abundance Ion 252.00 (251.70 to 252.70): E





#86

Benzo(k)fluoranthene

Concen: 2.95 ng/ul

RT: 24.49 min Scan# 3686

Delta R.T. 0.23 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

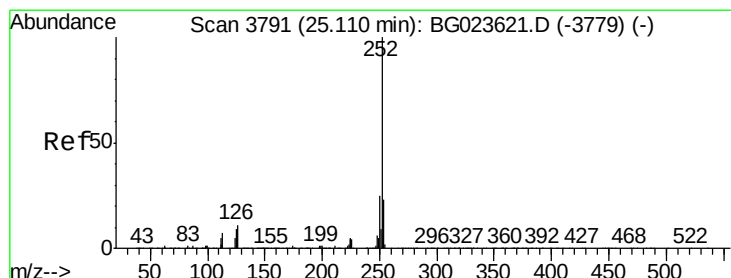
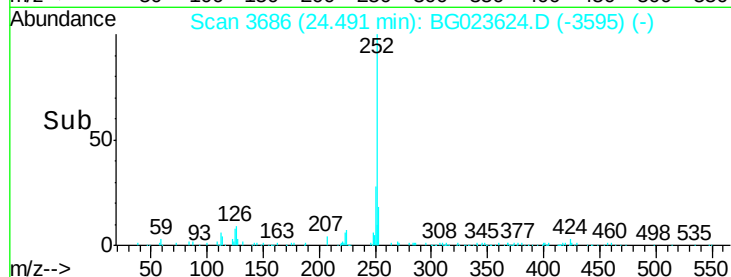
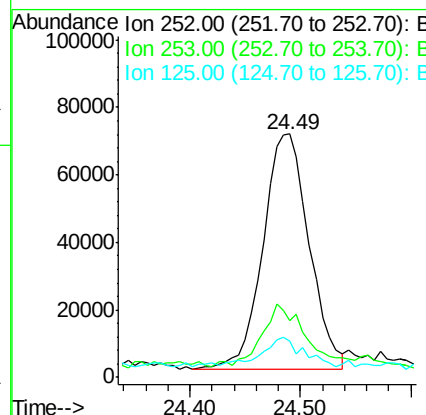
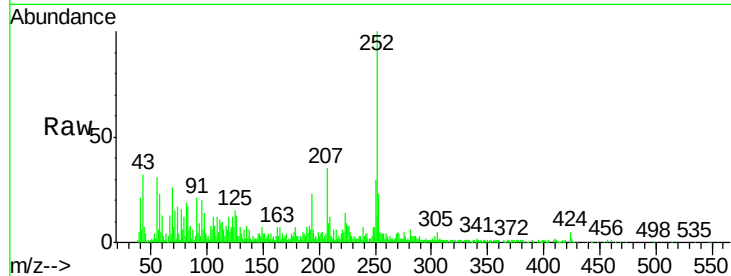
Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

Tgt Ion:	252	Resp:	201329
Ion Ratio	Lower	Upper	
252	100		
253	23.1	15.8	23.6
125	14.8	10.6	16.0



#88

Benzo(a)pyrene

Concen: 10.36 ng/ul

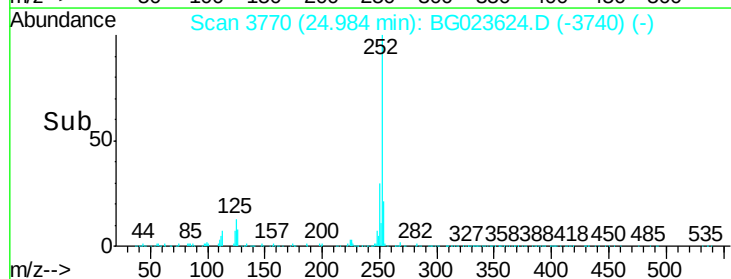
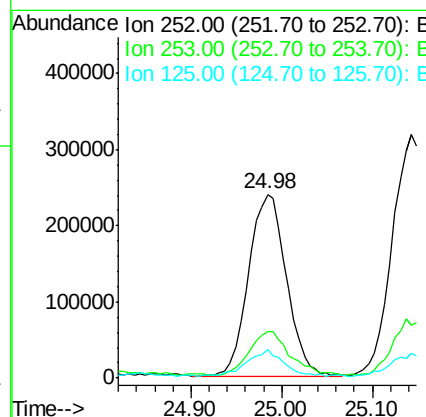
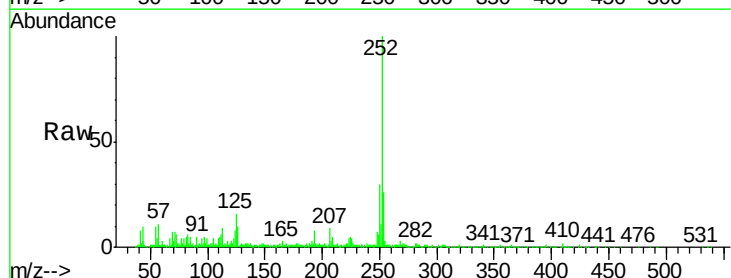
RT: 24.98 min Scan# 3770

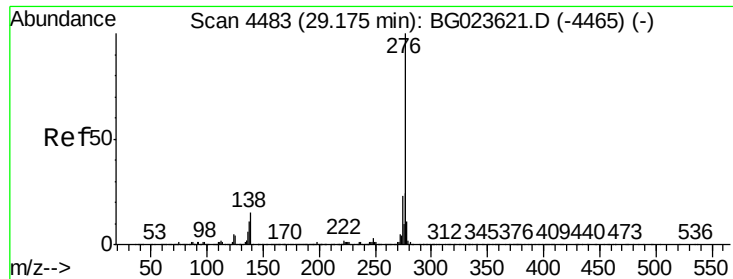
Delta R.T. -0.13 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Tgt Ion:	252	Resp:	692840
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.0	28.4
125	15.5	12.0	18.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.38 ng/ul

RT: 29.21 min Scan# 4489

Delta R.T. 0.03 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

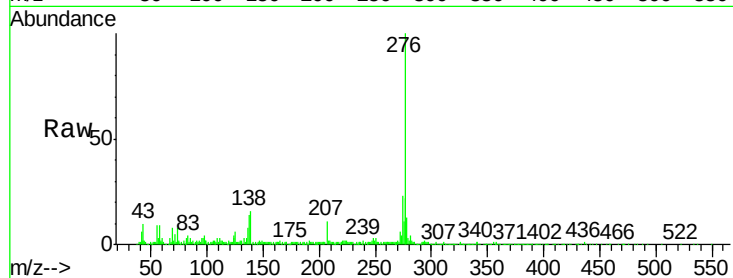
Tgt Ion:276 Resp: 344589

Ion Ratio Lower Upper

276 100

138 15.8 20.8 31.2#

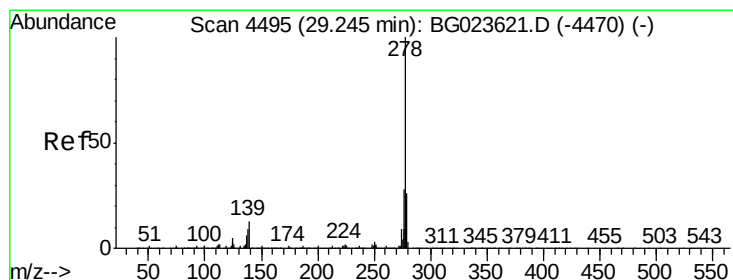
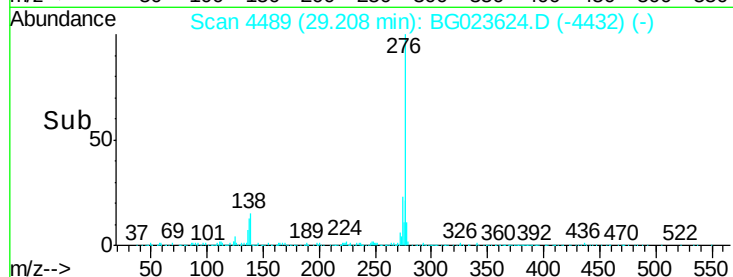
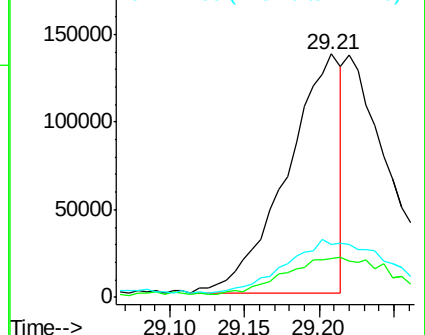
277 21.7 17.6 26.4



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



#90

Dibenzo(a,h)anthracene

Concen: 1.52 ng/ul

RT: 29.26 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

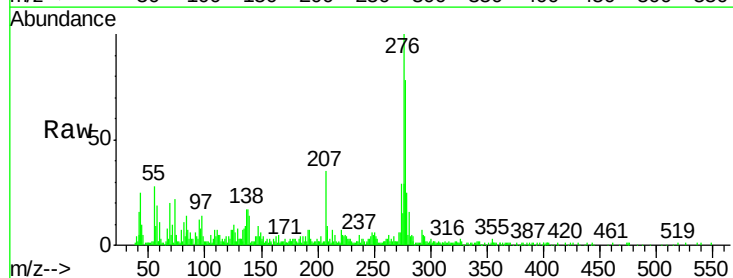
Tgt Ion:278 Resp: 102023

Ion Ratio Lower Upper

278 100

139 18.2 16.3 24.5

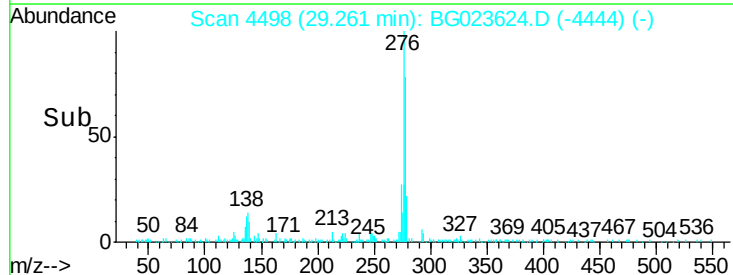
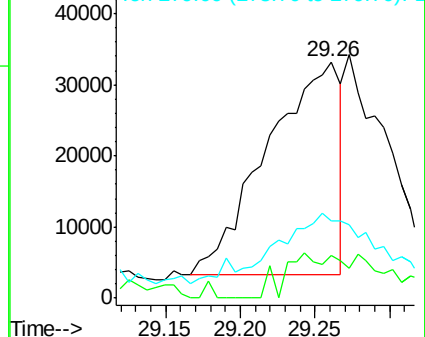
279 32.6 19.1 28.7#

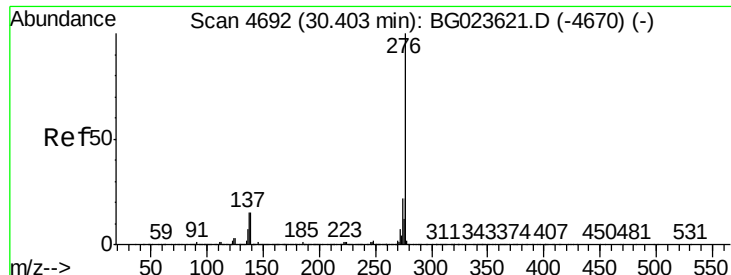


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.48 ng/ul

RT: 30.43 min Scan# 4697

Delta R.T. 0.03 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

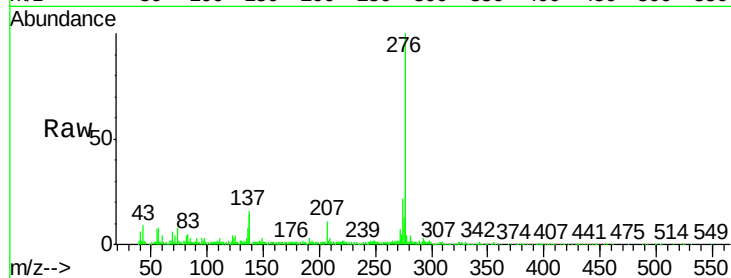
Tgt Ion: 276 Resp: 356834

Ion Ratio Lower Upper

276 100

138 14.4 22.1 33.1#

277 24.2 17.0 25.4



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

