

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032416\
 Data File : BG021494.D
 Acq On : 24 Mar 2016 21:03
 Operator : UM/SJ
 Sample : H1909-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T46

Quant Time: Mar 25 01:23:22 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 01:20:42 2016
 Response via : Initial Calibration

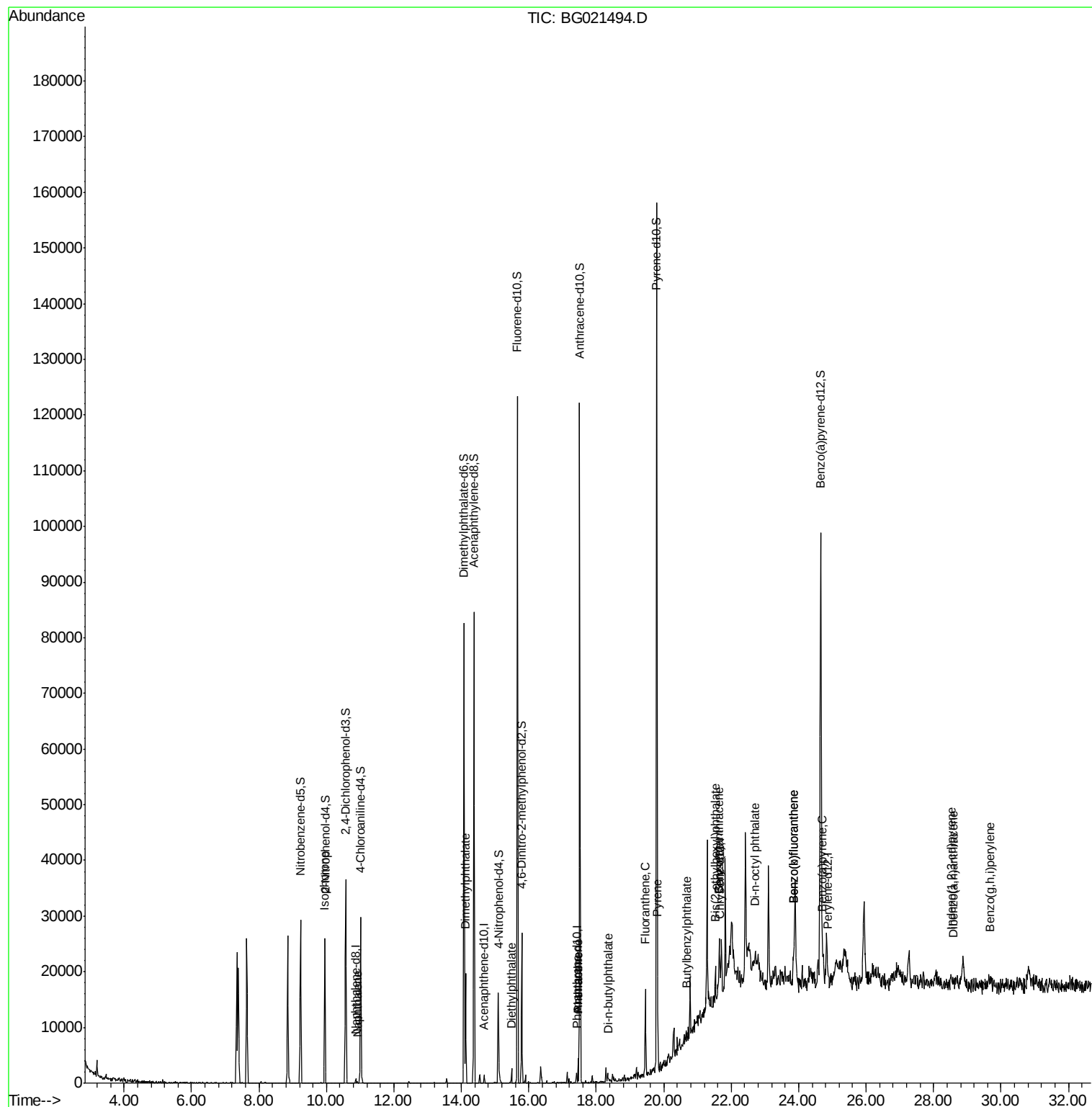
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-8.06
18) Naphthalene-d8	10.87	136	1010	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	786	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	1689	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	1703	20.00	ng/ul	0.00
86) Perylene-d12	24.88	264	2005	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	599	0.00	ng/uL	0.00
5) Phenol-d5	7.35	99	14214	0.00	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.39	67	10362	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	12265	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	10611	0.00	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	7121	939.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	7434	858.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	13446	868.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	17006	840.16	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	52165	797.06	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	64708	802.11	ng/ul	0.00
52) 4-Nitrophenol-d4	15.09	143	4285	409.62	ng/ul	0.02
58) Fluorene-d10	15.66	176	46619	790.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	6424	575.71	ng/ul	0.00
71) Anthracene-d10	17.51	188	72639	877.62	ng/ul	0.00
79) Pyrene-d10	19.79	212	80644	1015.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.65	264	82059	886.76	ng/ul	0.00
Target Compounds						
21) Isophorone	9.94	82	342	8.29	ng/ul#	69
28) Naphthalene	10.92	128	180	3.36	ng/ul#	69
45) Dimethylphthalate	14.13	163	12236	179.93	ng/ul#	96
57) Diethylphthalate	15.48	149	760	10.46	ng/ul#	59
70) Phenanthrene	17.46	178	3235	33.82	ng/ul	96
72) Anthracene	17.46	178	3235	33.24	ng/ul	96
76) Di-n-butylphthalate	18.36	149	614	5.65	ng/ul#	77
77) Fluoranthene	19.46	202	10342	89.59	ng/ul	96
80) Pyrene	19.82	202	9770	96.28	ng/ul	94
81) Butylbenzylphthalate	20.69	149	99	2.31	ng/ul#	78
83) Benzo(a)anthracene	21.65	228	5831	56.72	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.53	149	2463	39.29	ng/ul#	95
85) Chrysene	21.65	228	5831	59.89	ng/ul	98
87) Di-n-octyl phthalate	22.72	149	218	1.60	ng/ul	100
88) Benzo(b)fluoranthene	23.85	252	3705	28.77	ng/ul	97
89) Benzo(k)fluoranthene	23.85	252	3705	29.29	ng/ul#	97
91) Benzo(a)pyrene	24.72	252	5997	47.97	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.53	276	2071	14.58	ng/ul#	79
93) Dibenzo(a,h)anthracene	28.59	278	211	1.75	ng/ul#	55
94) Benzo(g,h,i)perylene	29.68	276	199	1.70	ng/ul#	66

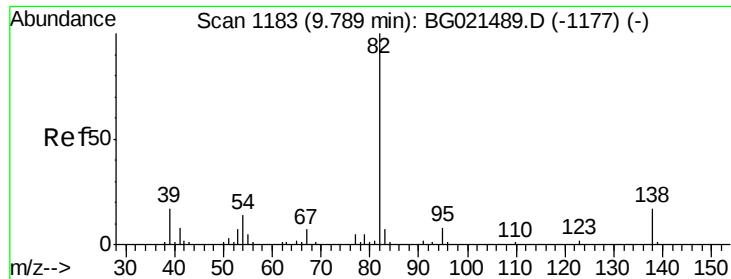
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#21

Isophorone

Concen: 8.29 ng/ul

RT: 9.94 min Scan# 1209

Delta R.T. 0.15 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

Instrument :

BNA_G

ClientSampleId :

A4T46

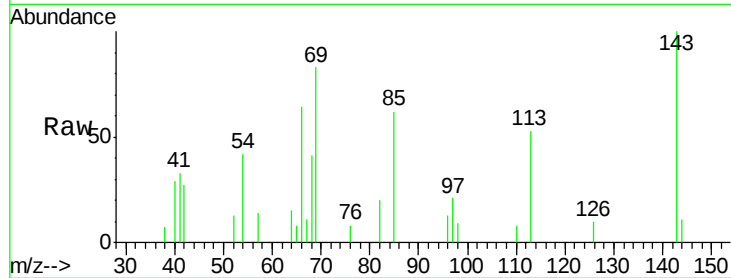
Tgt Ion: 82 Resp: 342

Ion Ratio Lower Upper

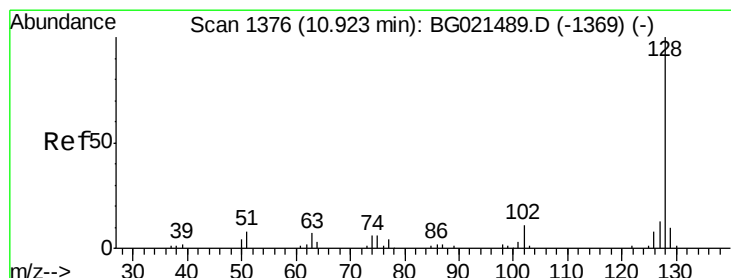
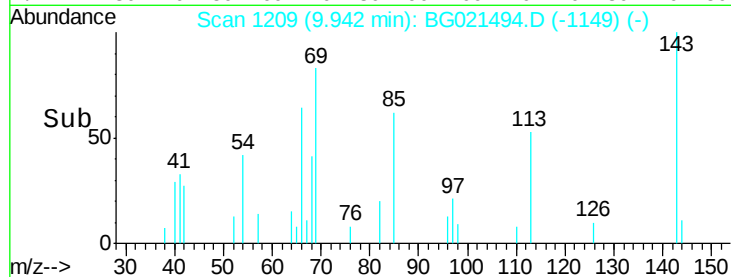
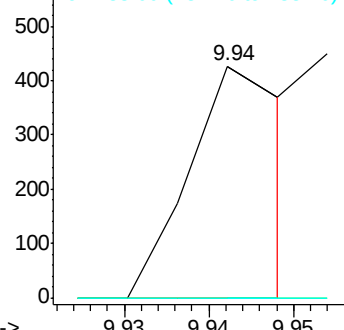
82 100

95 0.0 5.8 8.8#

138 0.0 12.2 18.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#28

Naphthalene

Concen: 3.36 ng/ul

RT: 10.92 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

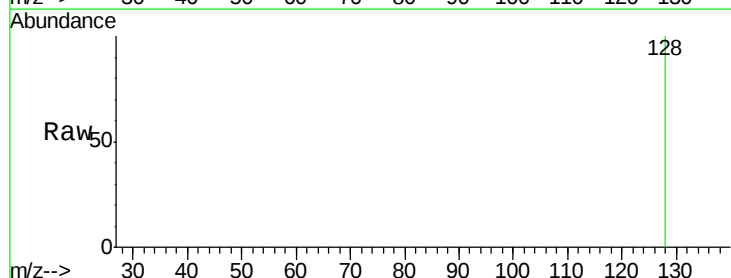
Tgt Ion: 128 Resp: 180

Ion Ratio Lower Upper

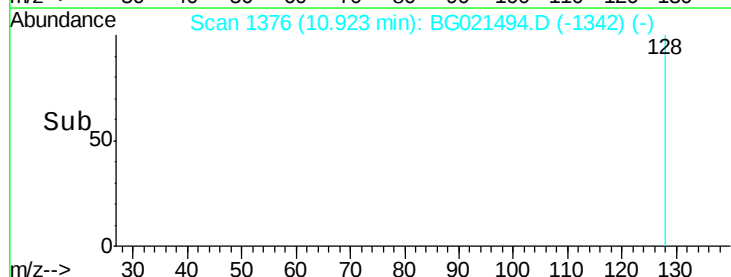
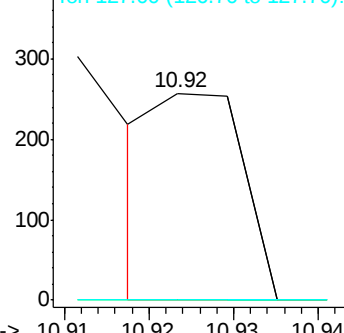
128 100

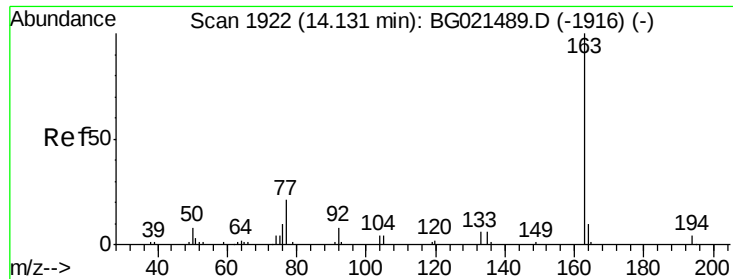
129 0.0 8.3 12.5#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

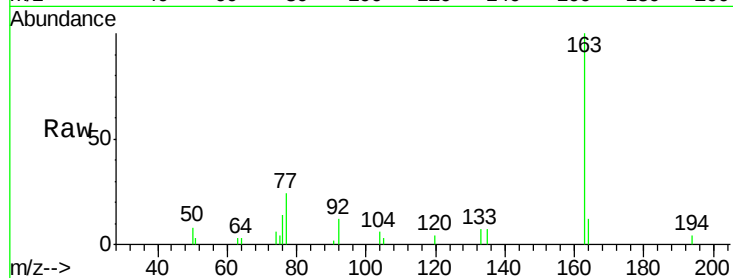




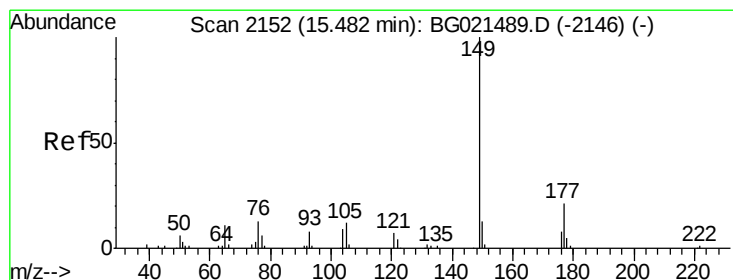
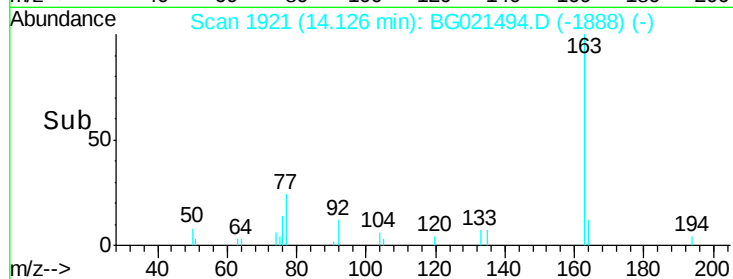
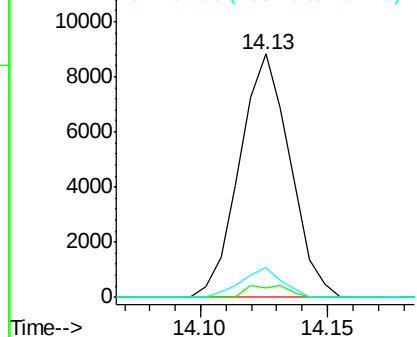
#45
Dimethylphthalate
Concen: 179.93 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Instrument :
BNA_G
ClientSampleId :
A4T46

Tgt Ion:163 Resp: 12236
Ion Ratio Lower Upper
163 100
194 3.9 3.9 5.9#
164 12.4 8.7 13.1

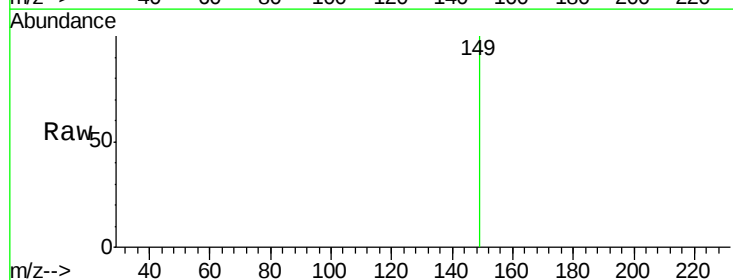


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

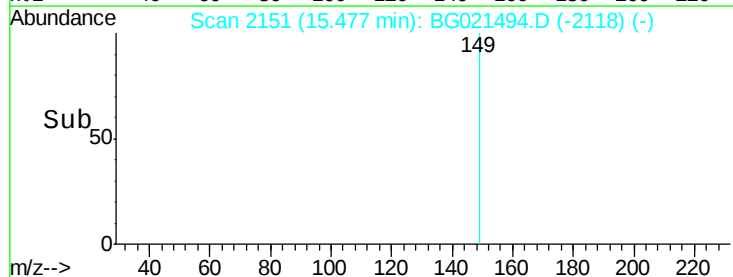
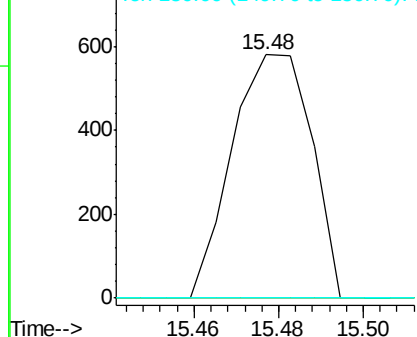


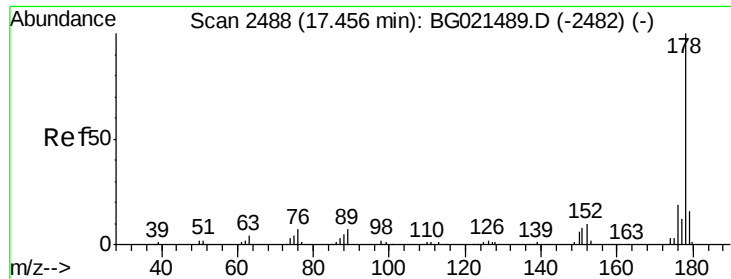
#57
Diethylphthalate
Concen: 10.46 ng/ul
RT: 15.48 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Tgt Ion:149 Resp: 760
Ion Ratio Lower Upper
149 100
177 0.0 17.4 26.2#
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#70

Phenanthrene

Concen: 33.82 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

Instrument :

BNA_G

ClientSampleId :

A4T46

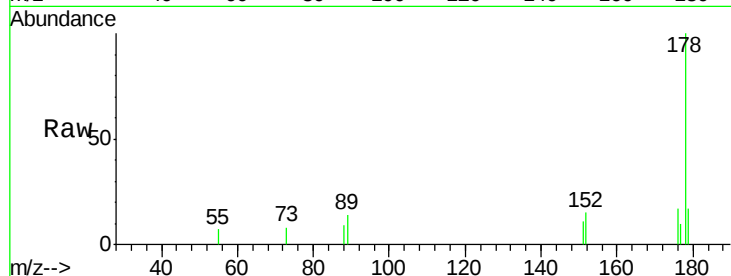
Tgt Ion:178 Resp: 3235

Ion Ratio Lower Upper

178 100

179 16.7 11.8 17.8

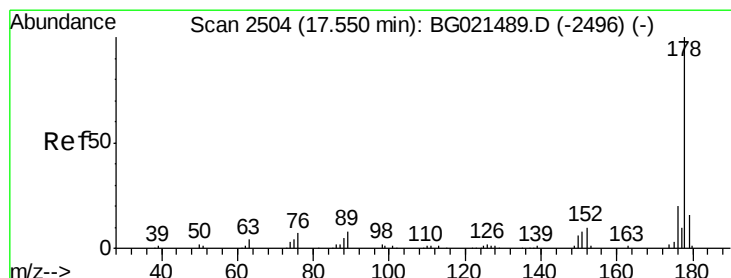
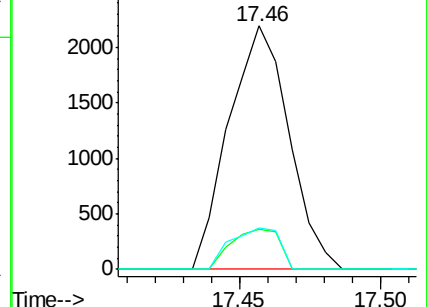
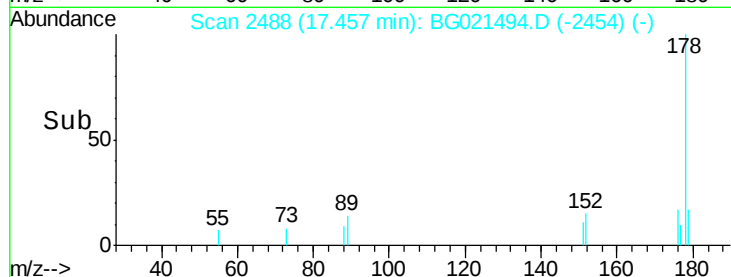
176 17.0 14.8 22.2



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



#72

Anthracene

Concen: 33.24 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. -0.09 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

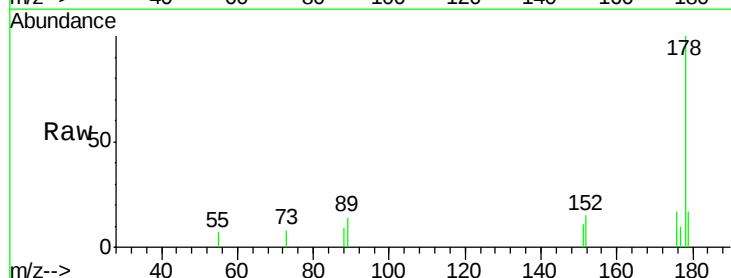
Tgt Ion:178 Resp: 3235

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

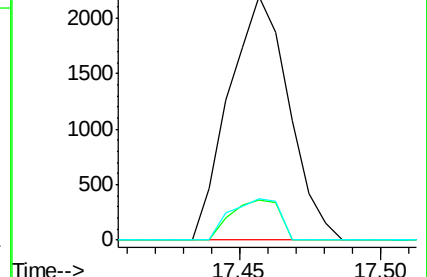
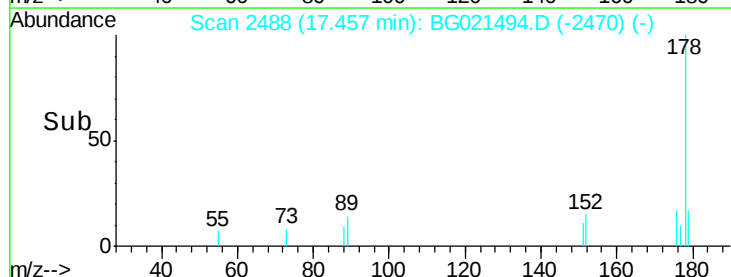
176 17.0 15.6 23.4

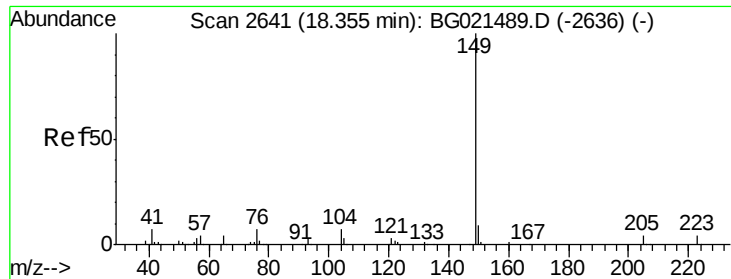


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

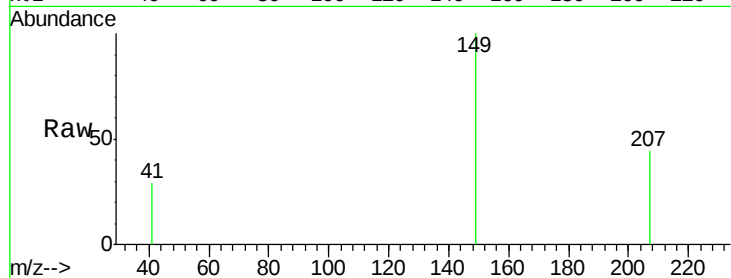




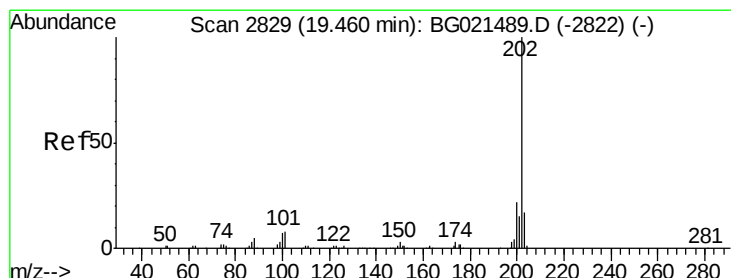
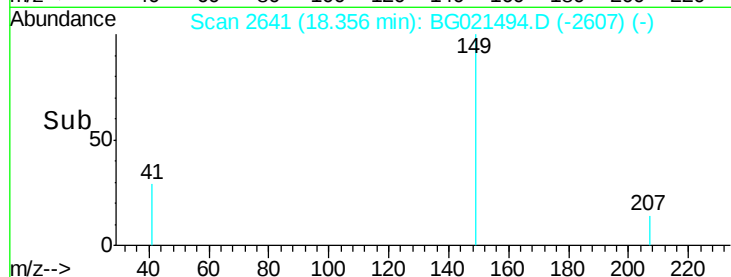
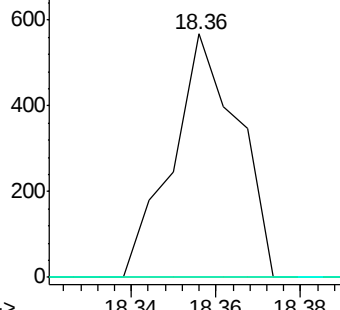
#76
Di-n-butylphthalate
Concen: 5.65 ng/ul
RT: 18.36 min Scan# 2641
Delta R.T. 0.00 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Instrument :
BNA_G
ClientSampleId :
A4T46

Tgt Ion:149 Resp: 614
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.4 8.2#

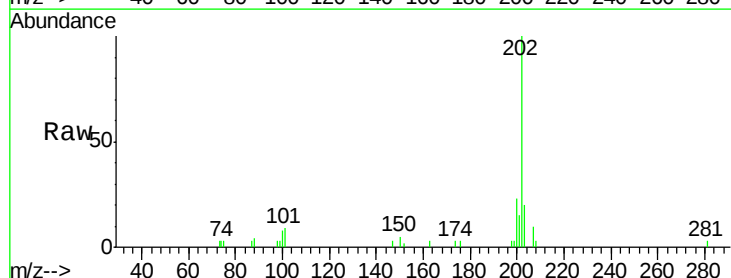


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

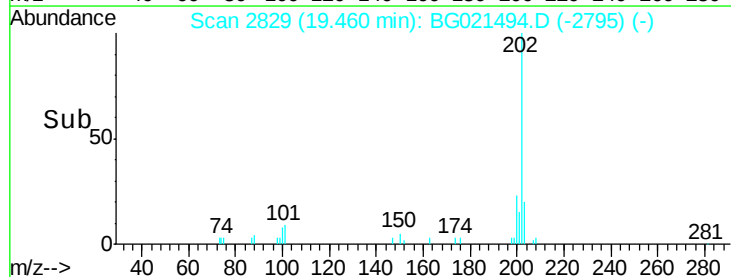
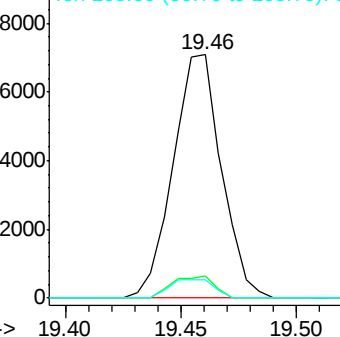


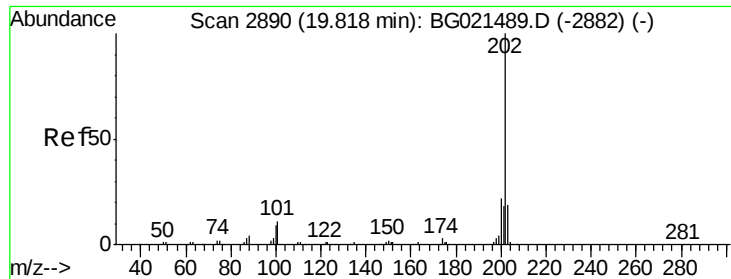
#77
Fluoranthene
Concen: 89.59 ng/ul
RT: 19.46 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Tgt Ion:202 Resp: 10342
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
100 7.6 7.0 10.4



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): B

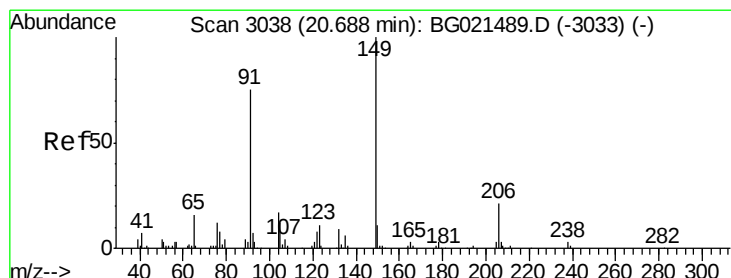
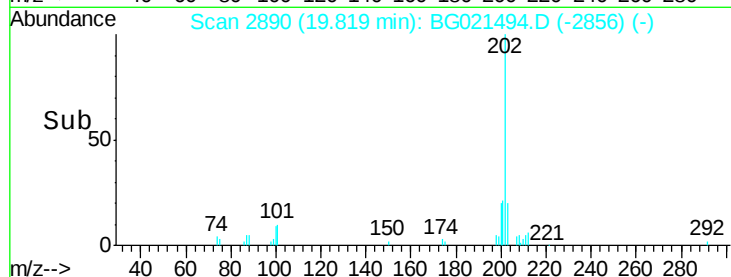
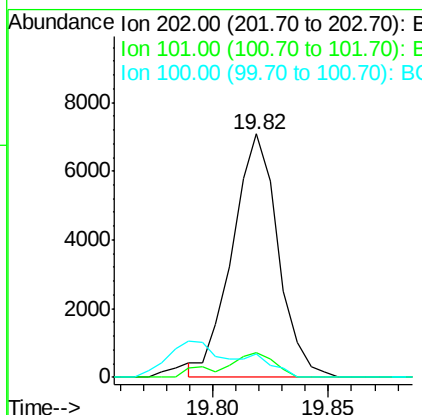
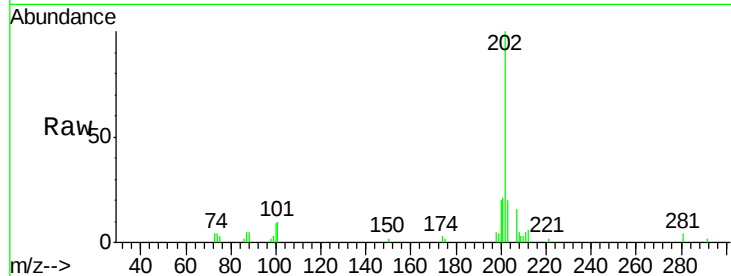




#80
Pyrene
Concen: 96.28 ng/ul
RT: 19.82 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

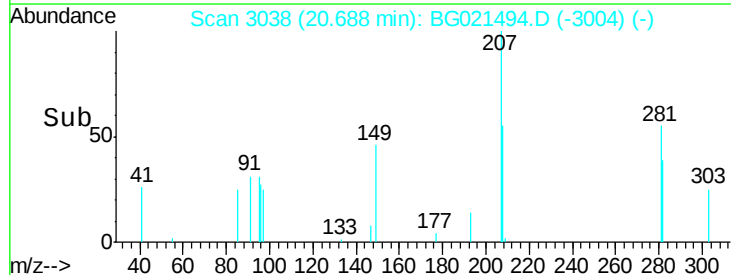
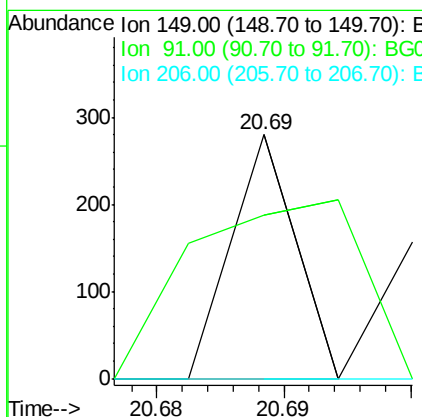
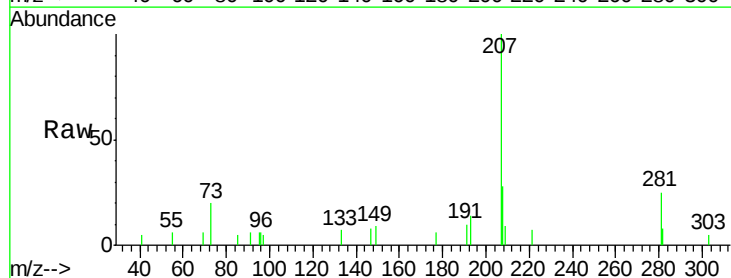
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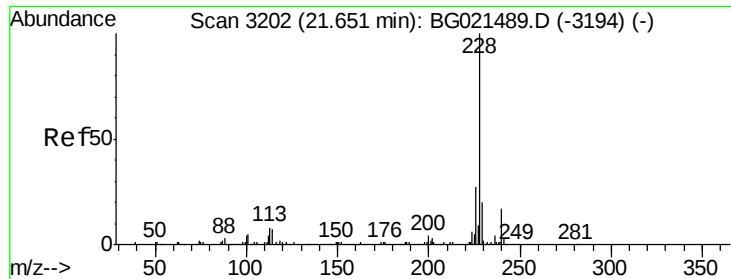
Tgt Ion: 202 Resp: 9770
Ion Ratio Lower Upper
202 100
101 10.1 9.8 14.8
100 9.4 9.3 13.9



#81
Butylbenzylphthalate
Concen: 2.31 ng/ul
RT: 20.69 min Scan# 3038
Delta R.T. 0.00 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Tgt Ion: 149 Resp: 99
Ion Ratio Lower Upper
149 100
91 67.1 65.8 98.8
206 0.0 15.5 23.3#

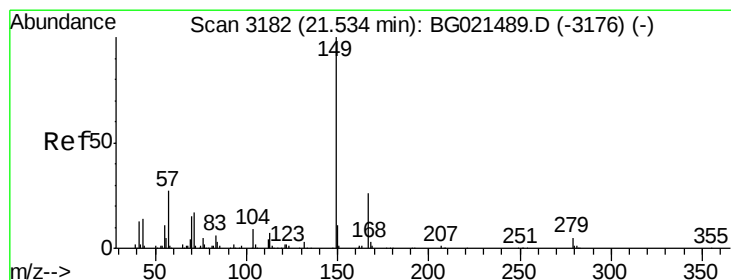
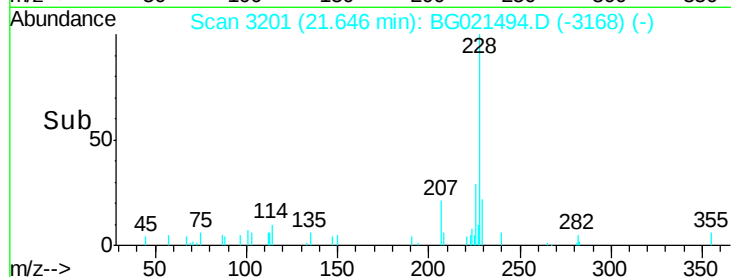
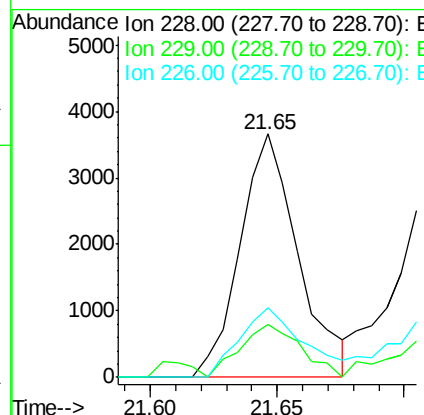
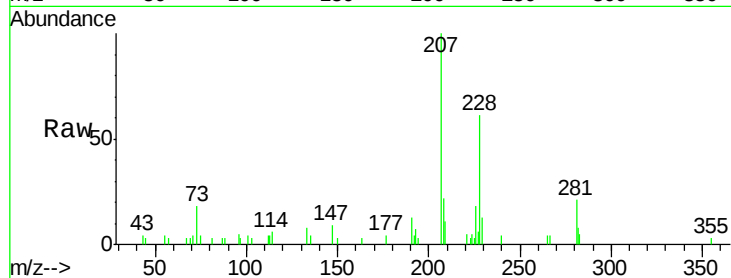




#83
Benzo(a)anthracene
Concen: 56.72 ng/ul
RT: 21.65 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

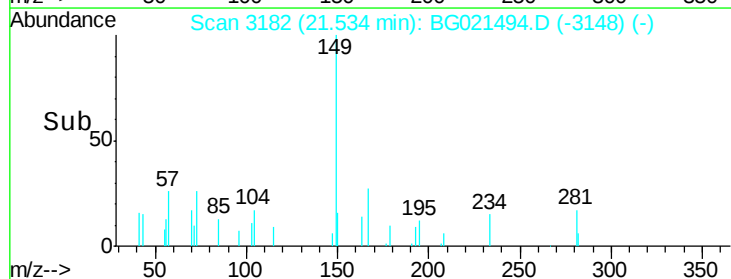
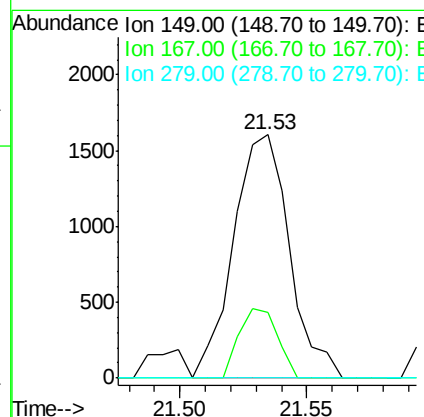
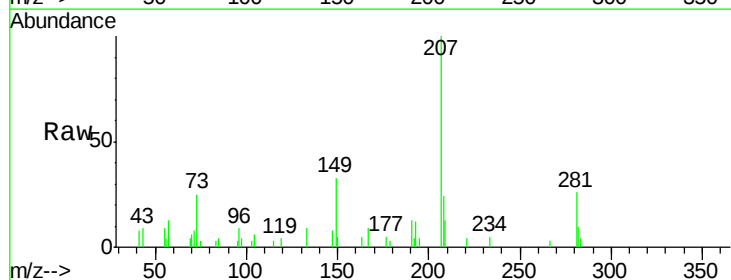
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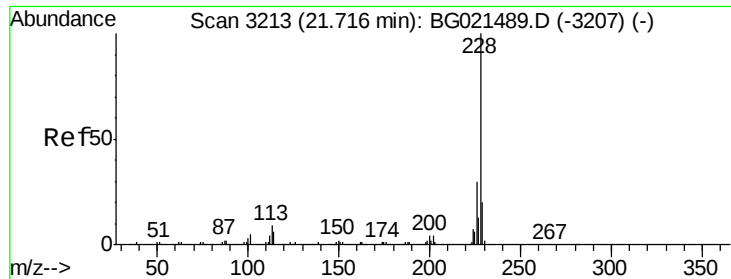
Tgt Ion:228 Resp: 5831
Ion Ratio Lower Upper
228 100
229 21.8 16.6 25.0
226 28.6 21.0 31.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.29 ng/ul
RT: 21.53 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Tgt Ion:149 Resp: 2463
Ion Ratio Lower Upper
149 100
167 27.1 20.5 30.7
279 0.0 3.7 5.5#

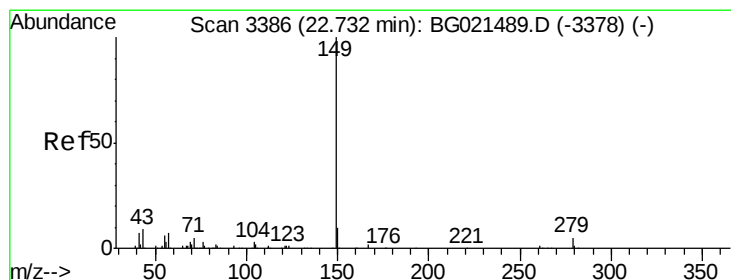
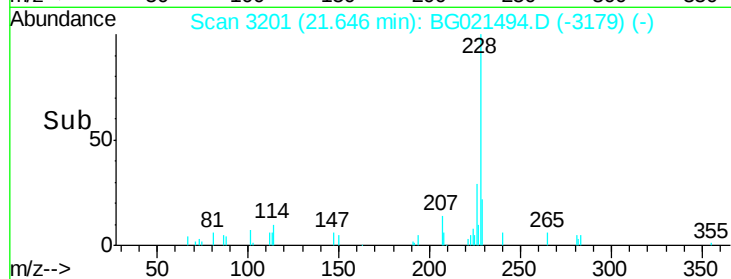
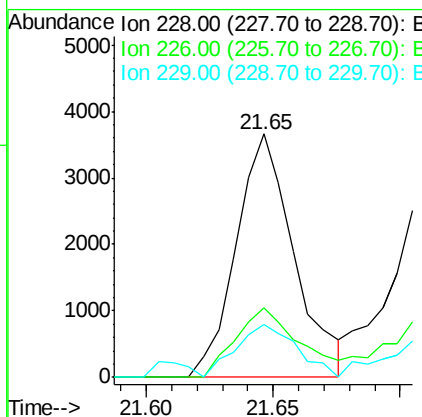
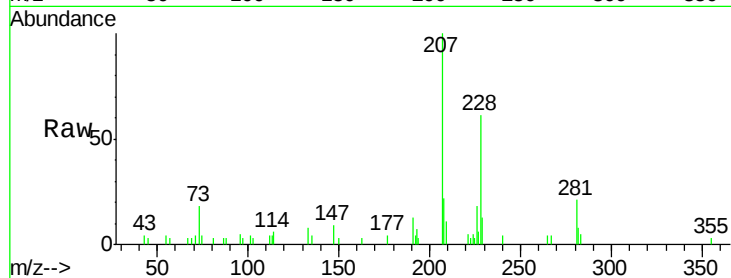




#85
 Chrysene
 Concen: 59.89 ng/ul
 RT: 21.65 min Scan# 3201
 Delta R.T. -0.07 min
 Lab File: BG021494.D
 Acq: 24 Mar 2016 21:03

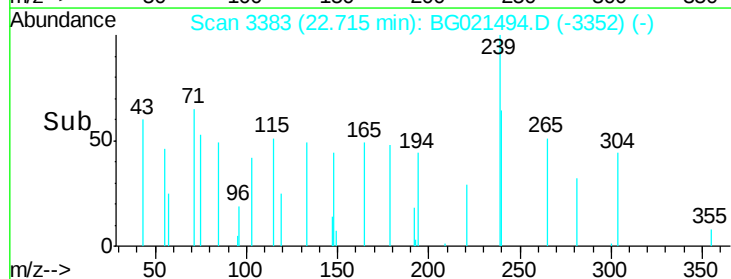
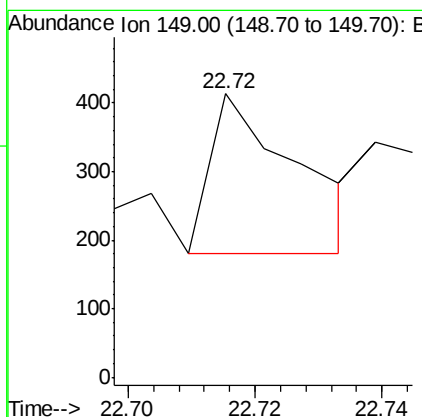
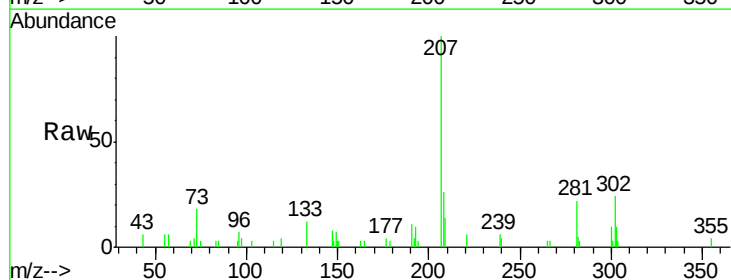
Instrument :
 BNA_G
 ClientSampleId :
 A4T46

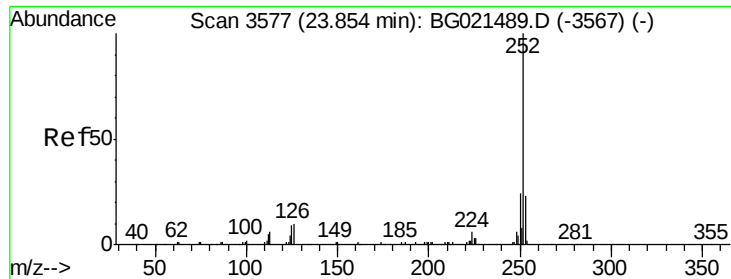
Tgt Ion: 228 Resp: 5831
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.4 35.2
 229 21.8 16.2 24.2



#87
 Di-n-octyl phthalate
 Concen: 1.60 ng/ul
 RT: 22.72 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: BG021494.D
 Acq: 24 Mar 2016 21:03

Tgt Ion: 149 Resp: 218





#88

Benzo(b)fluoranthene

Concen: 28.77 ng/ul

RT: 23.85 min Scan# 3576

Delta R.T. -0.01 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

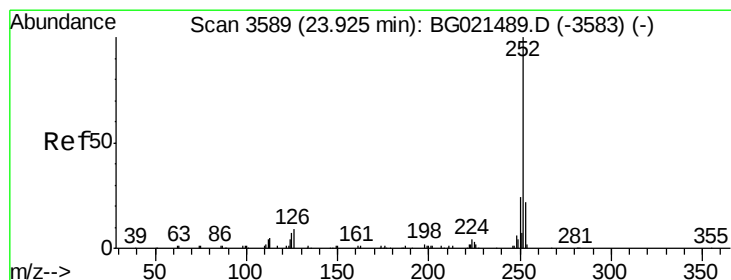
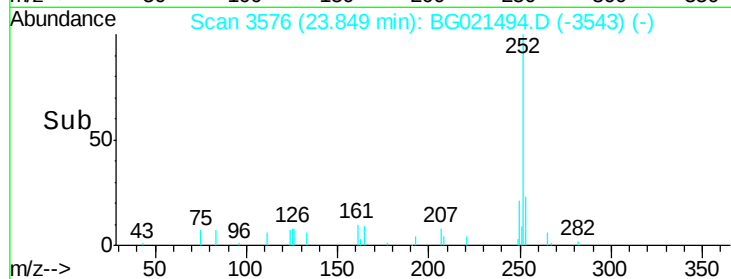
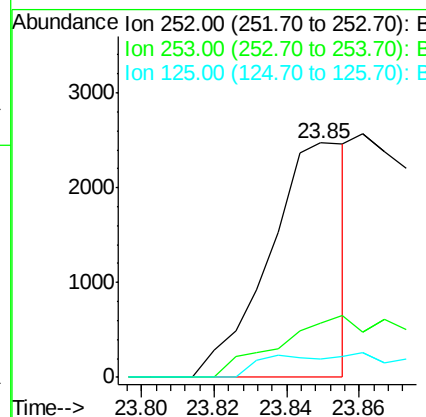
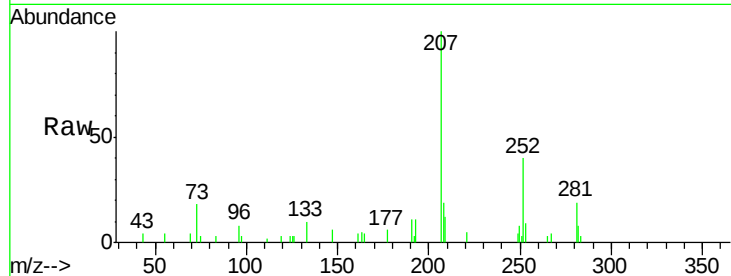
Instrument :

BNA_G

ClientSampleId :

A4T46

Tgt Ion:	252	Resp:	3705
Ion Ratio		Lower	Upper
252	100		
253	23.3	18.1	27.1
125	7.6	7.6	11.4



#89

Benzo(k)fluoranthene

Concen: 29.29 ng/ul

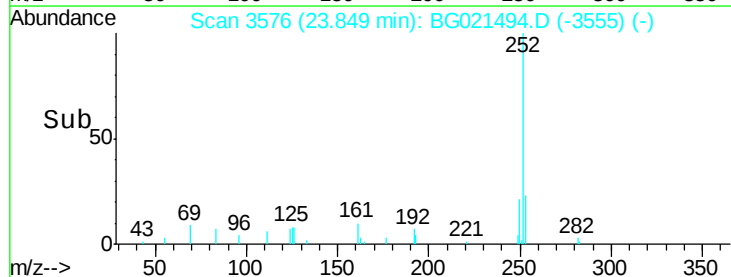
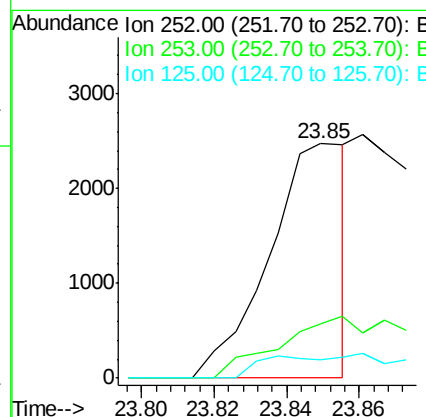
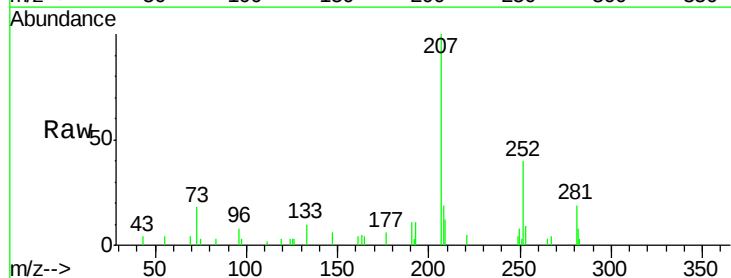
RT: 23.85 min Scan# 3576

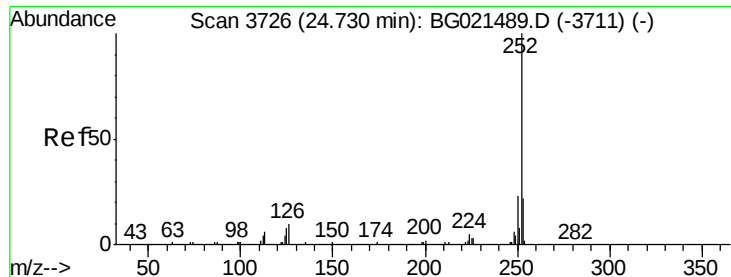
Delta R.T. -0.08 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

Tgt Ion:	252	Resp:	3705
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.8	26.8
125	7.6	7.7	11.5#

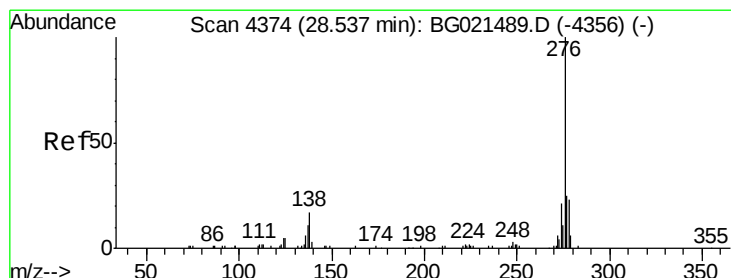
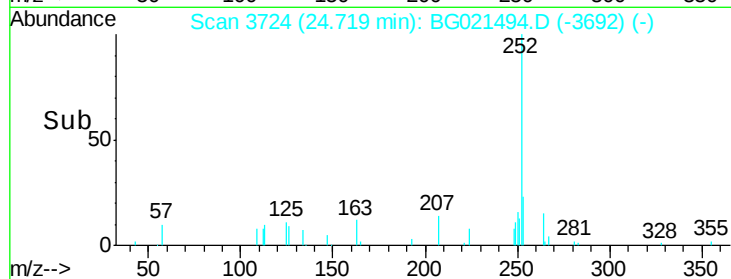
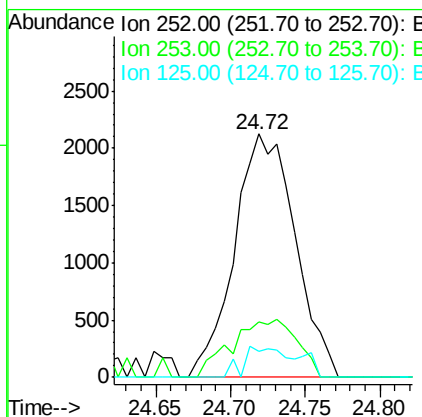
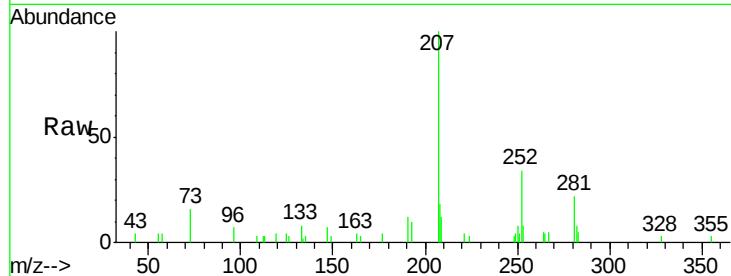




#91
Benzo(a)pyrene
Concen: 47.97 ng/ul
RT: 24.72 min Scan# 3724
Delta R.T. -0.01 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

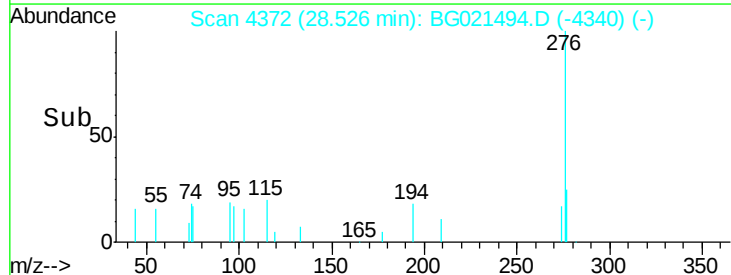
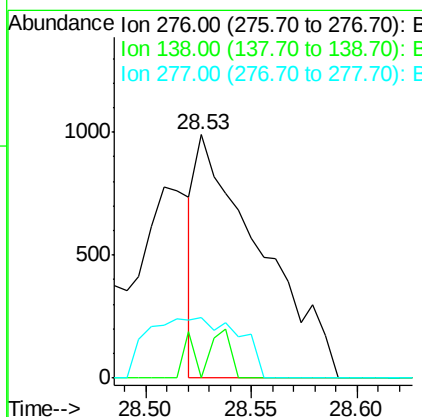
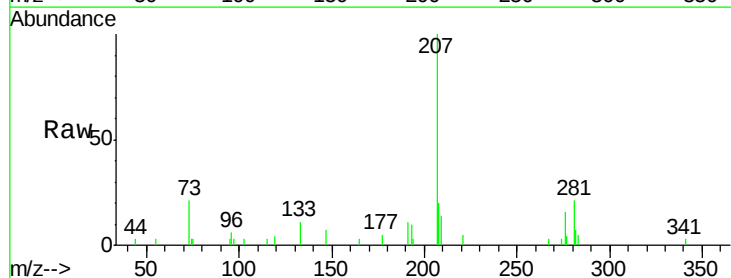
Instrument :
BNA_G
ClientSampleId :
A4T46

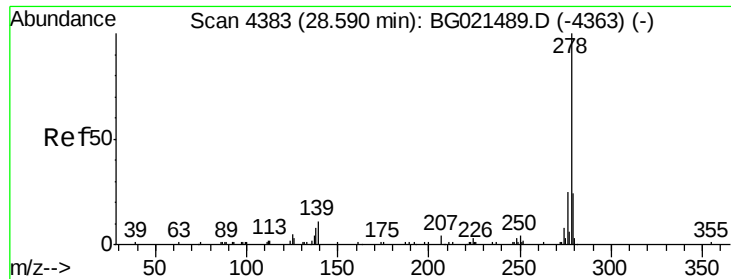
Tgt Ion:252 Resp: 5997
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.7 8.2 12.2



#92
Indeno(1,2,3-cd)pyrene
Concen: 14.58 ng/ul
RT: 28.53 min Scan# 4372
Delta R.T. -0.01 min
Lab File: BG021494.D
Acq: 24 Mar 2016 21:03

Tgt Ion:276 Resp: 2071
Ion Ratio Lower Upper
276 100
138 0.0 15.8 23.6#
277 24.9 19.0 28.6





#93

Dibenzo(a,h)anthracene

Concen: 1.75 ng/ul

RT: 28.59 min Scan# 4382

Delta R.T. -0.01 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

Instrument :

BNA_G

ClientSampleId :

A4T46

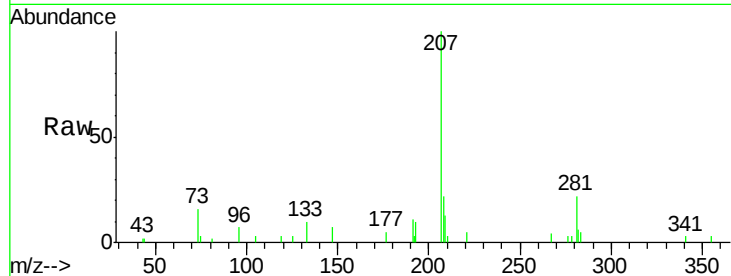
Tgt Ion:278 Resp: 211

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

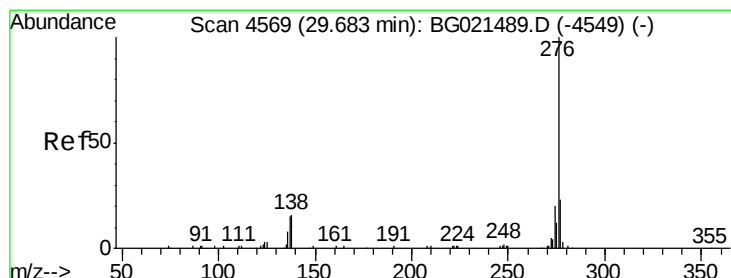
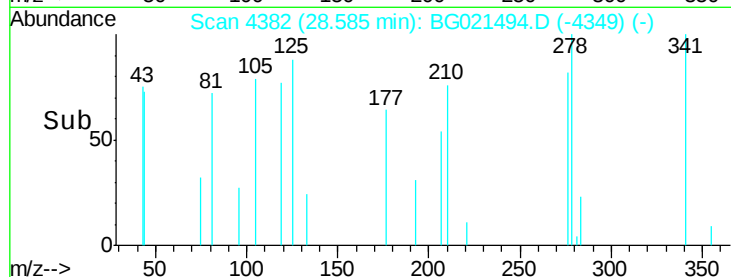
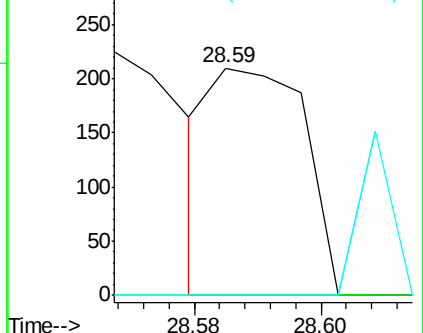
279 0.0 19.8 29.8#



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



#94

Benzo(g,h,i)perylene

Concen: 1.70 ng/ul

RT: 29.68 min Scan# 4569

Delta R.T. 0.00 min

Lab File: BG021494.D

Acq: 24 Mar 2016 21:03

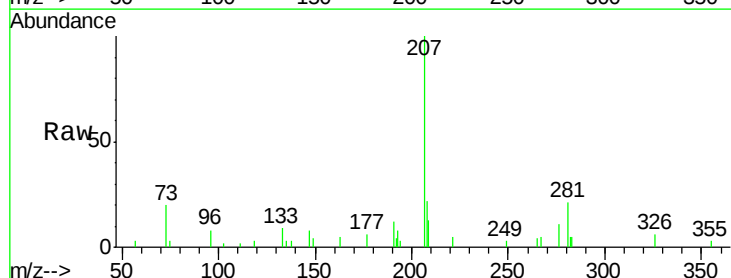
Tgt Ion:276 Resp: 199

Ion Ratio Lower Upper

276 100

138 22.5 13.9 20.9#

277 0.0 19.8 29.6#



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

