

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029479.D
 Acq On : 26 Oct 2017 15:36
 Operator : SJ/JU
 Sample : I5792-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0D52

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:33:00 PM

Quant Time: Oct 26 17:52:12 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 15:59:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	114187	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	519626	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	314688	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	673592	20.00	ng/ul	0.01
75) Chrysene-d12	21.81	240	702778	20.00	ng/ul	0.01
83) Perylene-d12	25.15	264	710217	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	16559	5.89	ng/uL	0.00
5) Phenol-d5	7.32	99	385136	35.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	224558	32.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	306418	39.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	292492	33.04	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	161171	43.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	194269	50.83	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.60	165	337961	38.80	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	207404	20.50	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	978345	36.36	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	1268595	38.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	135899	27.36	ng/ul	0.00
57) Fluorene-d10	15.78	176	889268	40.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	121172	36.85	ng/ul	0.01
70) Anthracene-d10	17.63	188	1253788	39.36	ng/ul	0.01
76) Pyrene-d10	19.91	212	1431607	39.35	ng/ul	0.01
87) Benzo(a)pyrene-d12	24.93	264	1426305	42.40	ng/ul	0.05

Target Compounds

				Ovalue	
6) Phenol	7.35	94	46876	4.134	ng/ul 90
14) Acetophenone	8.99	105	17874	1.322	ng/ul# 75
28) Naphthalene	11.04	128	326426	11.872	ng/ul 100
34) 2-Methylnaphthalene	12.63	142	204829	8.999	ng/ul 97
40) 1,1'-Biphenyl	13.63	154	77037	2.969	ng/ul 97
44) Dimethylphthalate	14.23	163	67165	2.560	ng/ul 98
47) Acenaphthylene	14.52	152	182783	5.476	ng/ul# 90
49) Acenaphthene	14.86	153	50494	2.211	ng/ul# 91
53) Dibenzofuran	15.18	168	371280	11.893	ng/ul 95
58) Fluorene	15.83	166	205312	8.244	ng/ul 97
69) Phenanthrene	17.59	178	4270317m	117.272	ng/ul
71) Anthracene	17.66	178	121573	3.236	ng/ul 98
72) Carbazole	17.93	167	386726	11.451	ng/ul 99
74) Fluoranthene	19.59	202	4554399m	111.913	ng/ul
77) Pyrene	19.95	202	4081554m	86.656	ng/ul
80) Benzo(a)anthracene	21.79	228	1217109	27.635	ng/ul 94
82) Chrysene	21.86	228	2766634	69.135	ng/ul# 87
85) Benzo(b)fluoranthene	24.10	252	3037954	71.252	ng/ul 95
86) Benzo(k)fluoranthene	24.16	252	1063688	25.803	ng/ul 94
88) Benzo(a)pyrene	25.00	252	1682174	40.532	ng/ul 95
89) Indeno(1,2,3-cd)pyrene	28.97	276	1260854	26.852	ng/ul 98
90) Dibenzo(a,h)anthracene	29.00	278	258204	6.619	ng/ul# 91
91) Benzo(g,h,i)perylene	30.16	276	1016406	26.114	ng/ul 95

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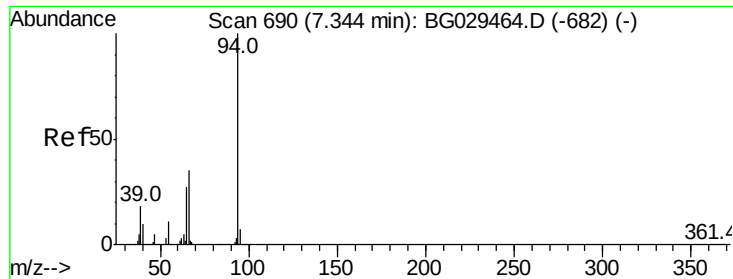
Manual Integrations
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10/27/2017 5:33:00 PM

Quant Time: Oct 26 17:52:12 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 15:59:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 4.134 ng/ul

RT: 7.35 min Scan# 692

Delta R.T. 0.01 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

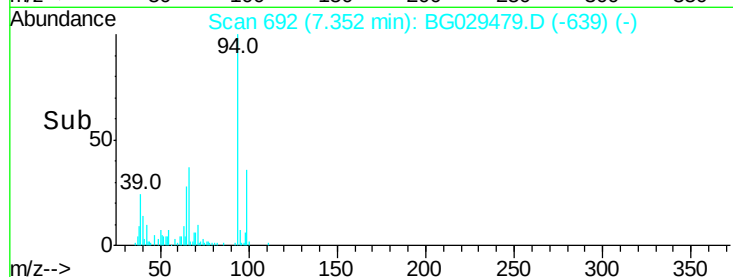
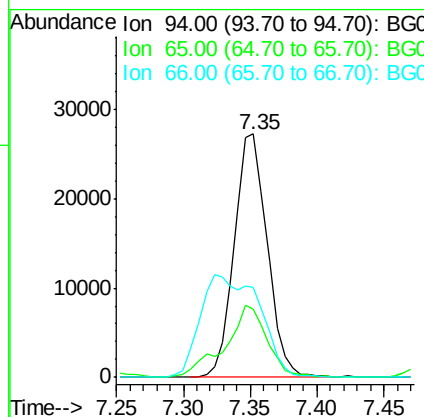
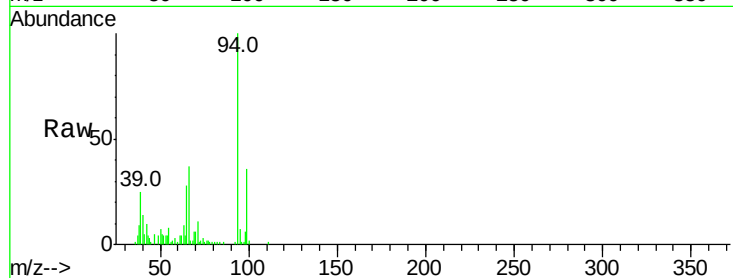
ClientSampled :

B0D52

Tot Ion:	94	Resp:	46876
Ion Ratio	Lower	Upper	
94	100		
65	27.8	27.1	40.7
66	36.8	34.6	52.0

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#14

Acetophenone

Concen: 1.322 ng/ul

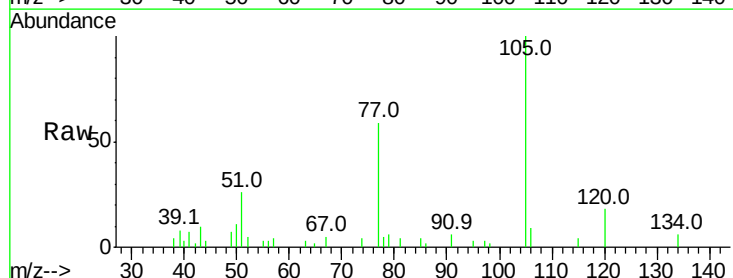
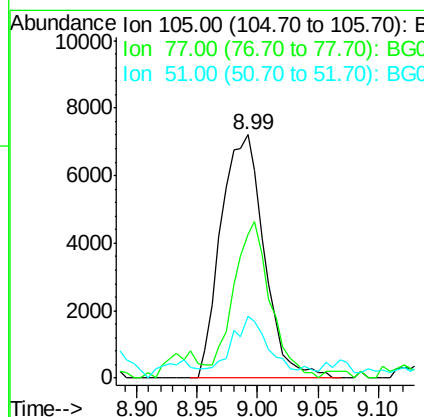
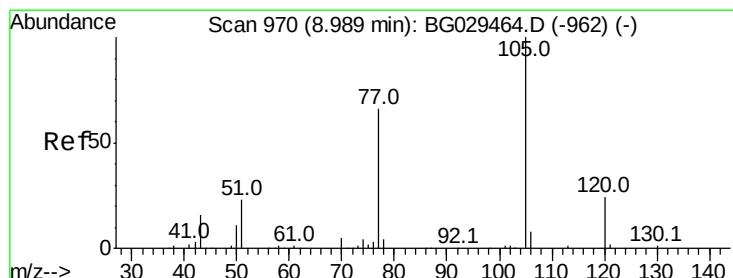
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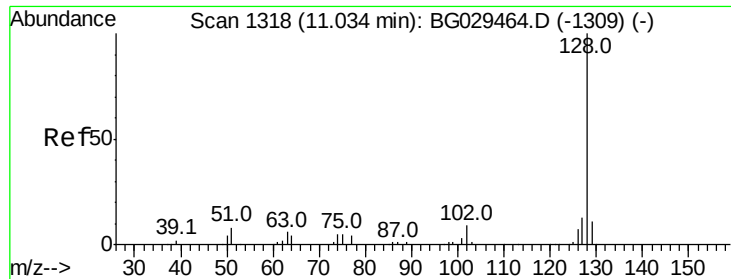
Delta R.T. 0.00 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Tgt Ion:	105	Resp:	17874
Ion Ratio	Lower	Upper	
105	100		
77	58.9	70.2	105.2#
51	25.6	24.6	36.8





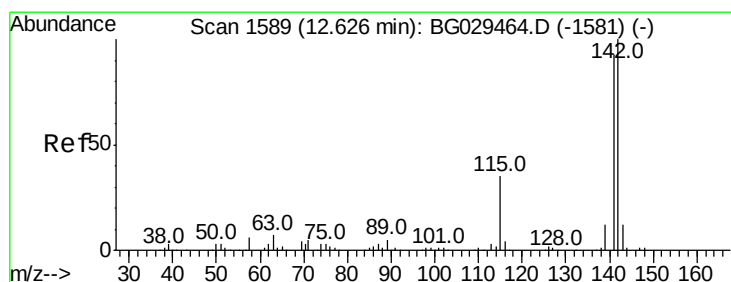
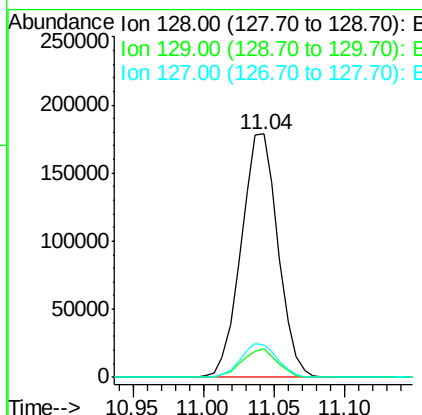
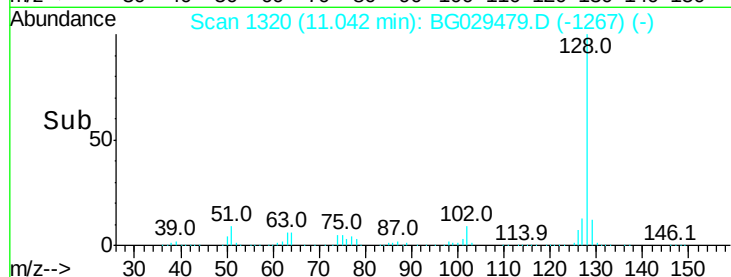
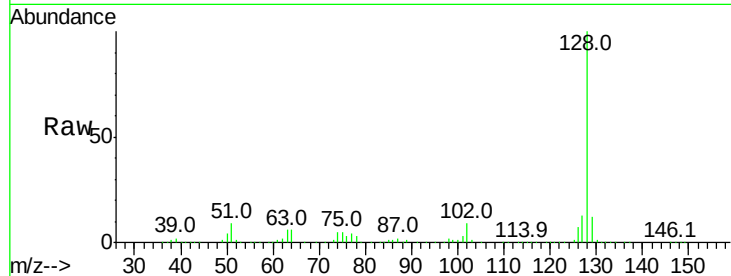
#28
Naphthalene
Concen: 11.872 ng/ul
RT: 11.04 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Instrument :
BNA_G
ClientSampleId :
B0D52

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.5	10.7	16.1

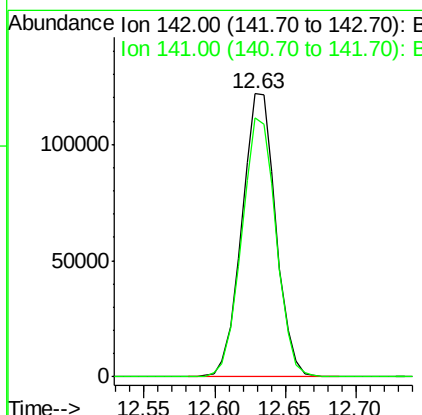
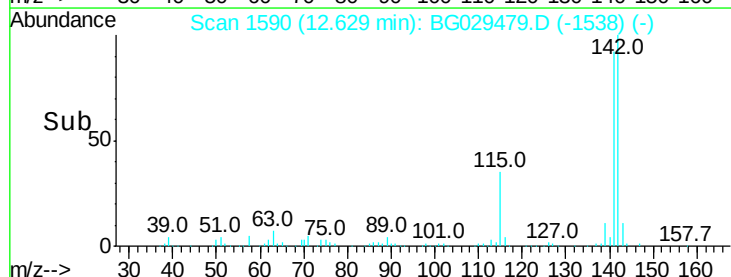
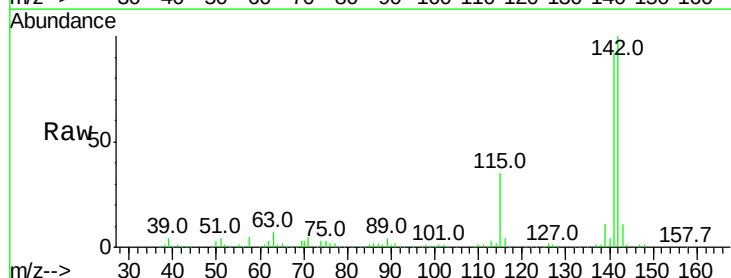
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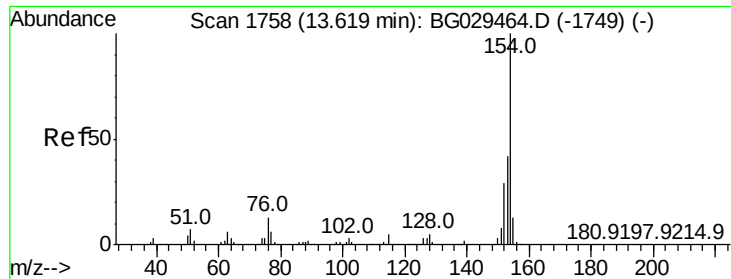
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#34
2-Methylnaphthalene
Concen: 8.999 ng/ul
RT: 12.63 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	75.4	113.0





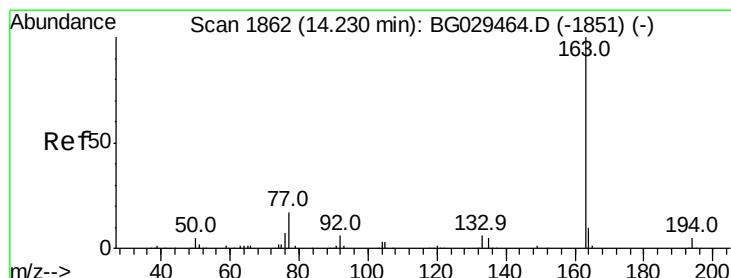
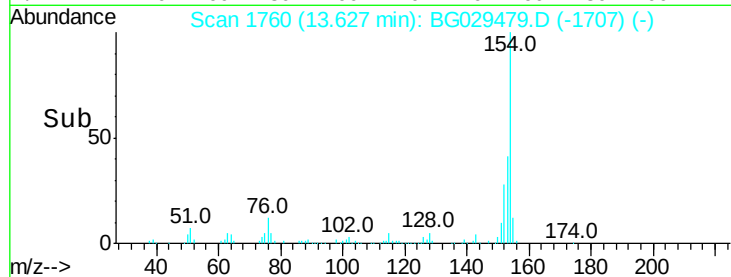
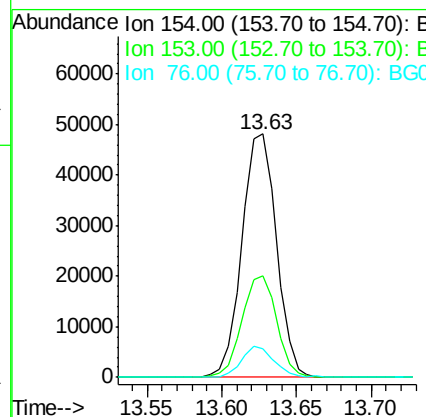
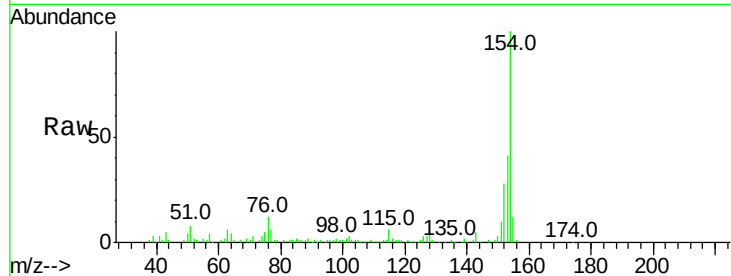
#40
 1,1'-Biphenyl
 Concen: 2.969 ng/ul
 RT: 13.63 min Scan# 1760
 Delta R.T. 0.01 min
 Lab File: BG029479.D
 Acq: 26 Oct 2017 15:36

Instrument :
 BNA_G
 ClientSampleId :
 B0D52

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	34.6	52.0
76	11.8	10.6	15.8

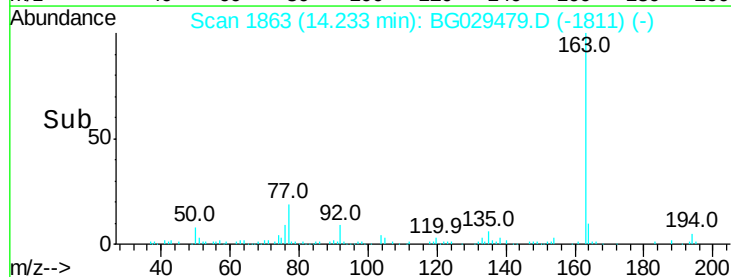
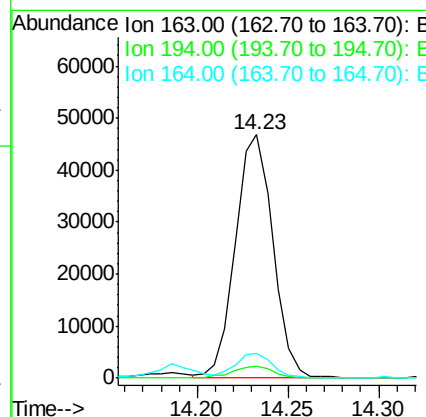
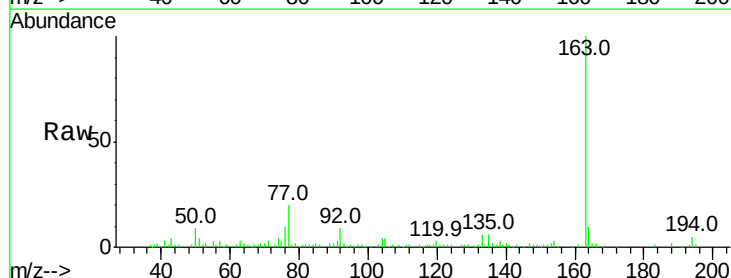
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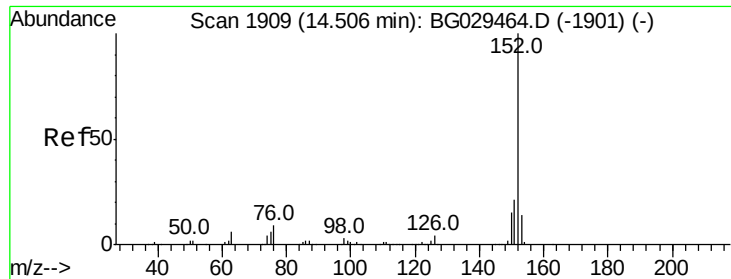
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#44
 Dimethylphthalate
 Concen: 2.560 ng/ul
 RT: 14.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BG029479.D
 Acq: 26 Oct 2017 15:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.5	5.3
164	10.4	7.6	11.4





#47

Acenaphthylene

Concen: 5.476 ng/ul

RT: 14.52 min Scan# 1912

Delta R.T. 0.01 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

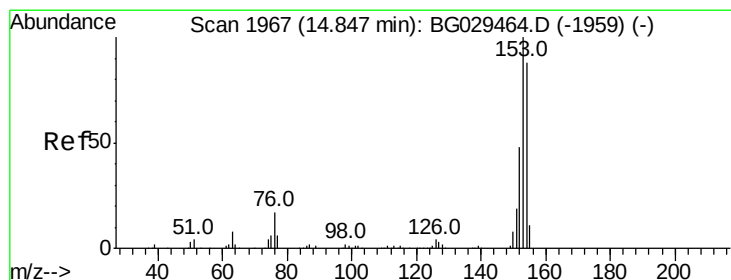
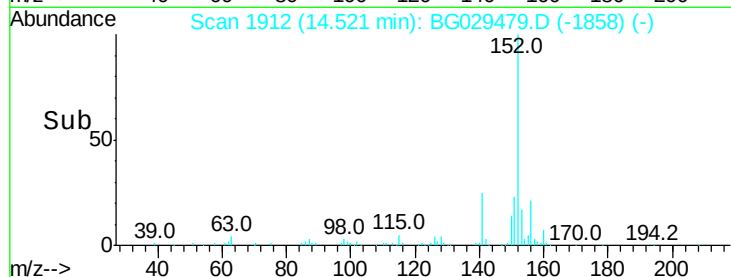
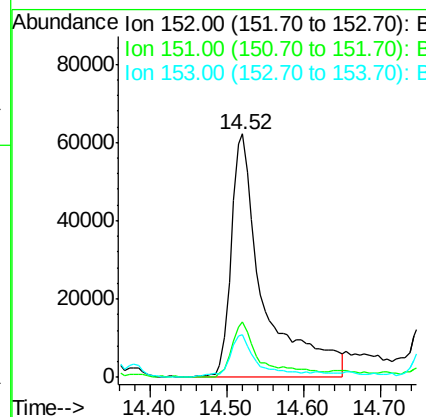
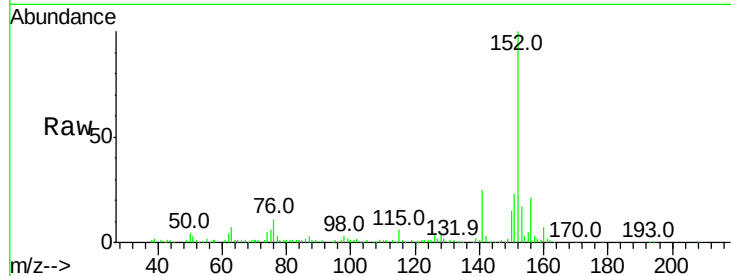
ClientSampleId :

B0D52

Tot Ion:	152	Resp:	182783
Ion Ratio	Lower	Upper	
152	100		
151	23.0	15.2	22.8#
153	17.5	10.2	15.4#

Manual Integrations
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#49

Acenaphthene

Concen: 2.211 ng/ul

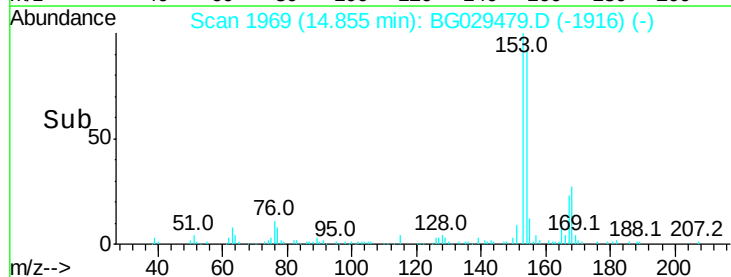
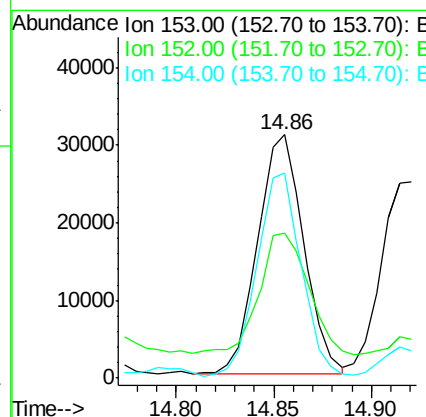
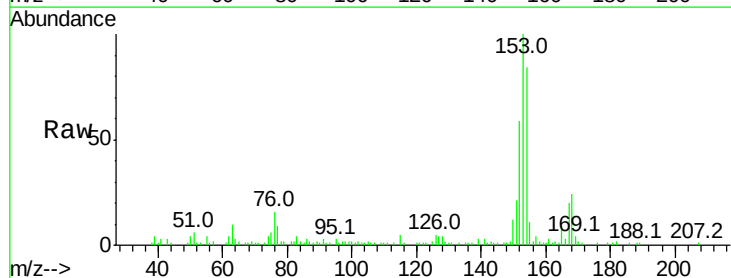
RT: 14.86 min Scan# 1969

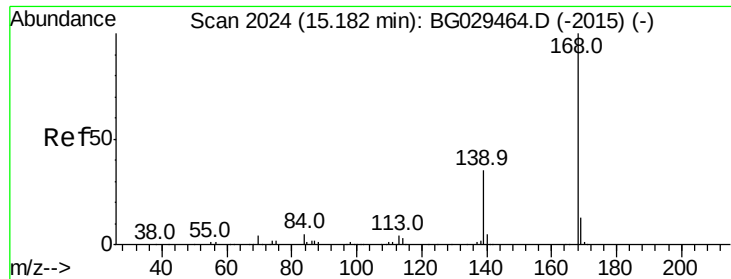
Delta R.T. 0.01 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Tgt Ion:	153	Resp:	50494
Ion Ratio	Lower	Upper	
153	100		
152	59.3	38.2	57.2#
154	84.3	70.6	105.8





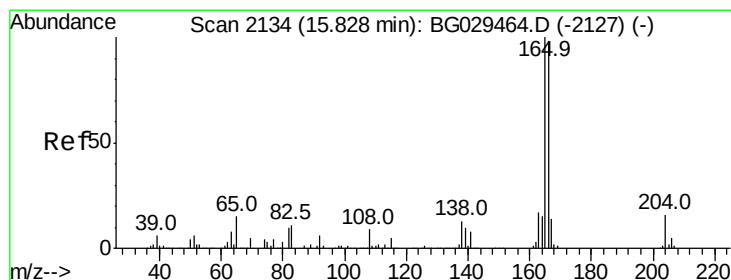
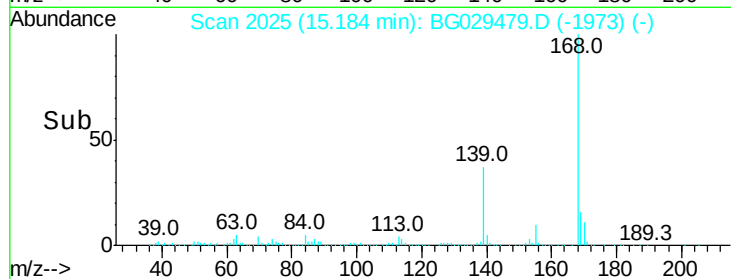
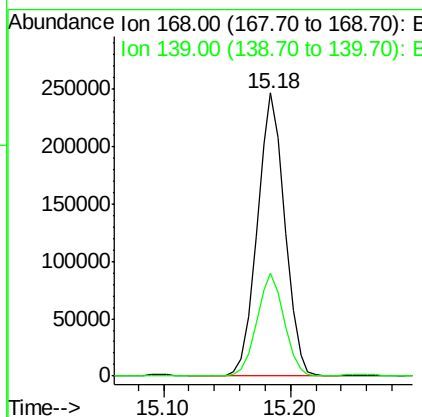
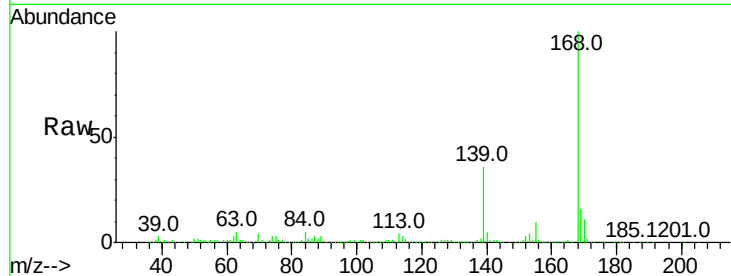
#53
Dibenzo(f,h)quinoxaline
Concen: 11.893 ng/ul
RT: 15.18 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Instrument :
BNA_G
ClientSampled :
B0D52

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	31.4	47.2

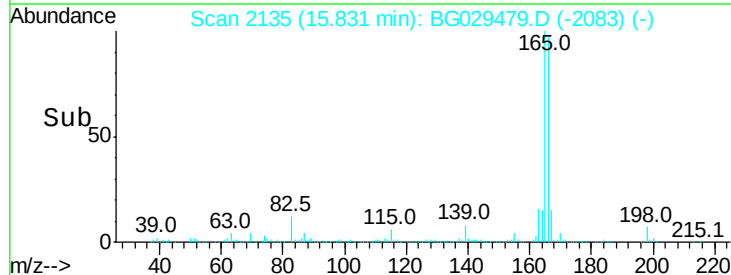
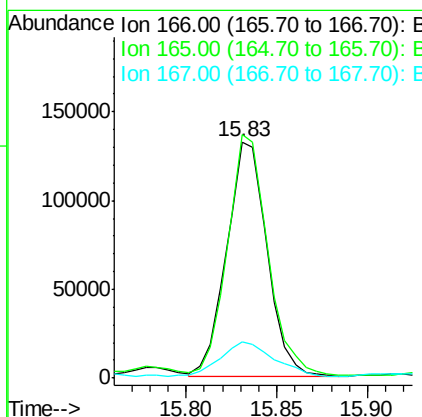
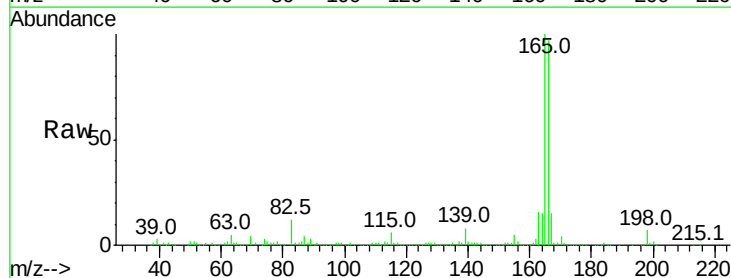
Manual Integrations
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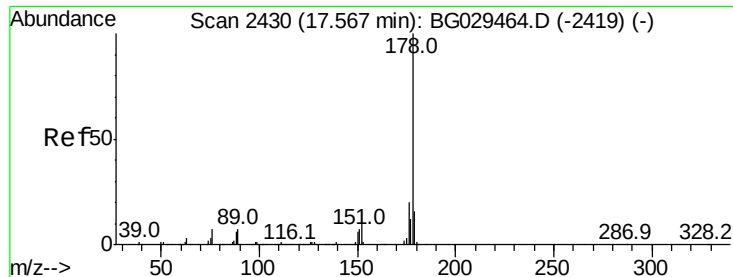
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#58
Fluorene
Concen: 8.244 ng/ul
RT: 15.83 min Scan# 2135
Delta R.T. 0.00 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	79.9	119.9
167	15.6	10.6	16.0





#69
 Phenanthrene
 Concen: 117.272 ng/ul m
 RT: 17.59 min Scan# 2434
 Delta R.T. 0.02 min
 Lab File: BG029479.D
 Acq: 26 Oct 2017 15:36

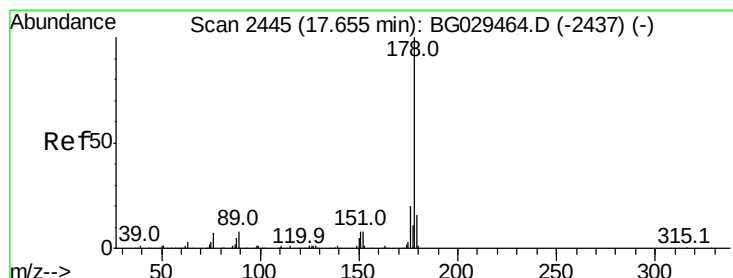
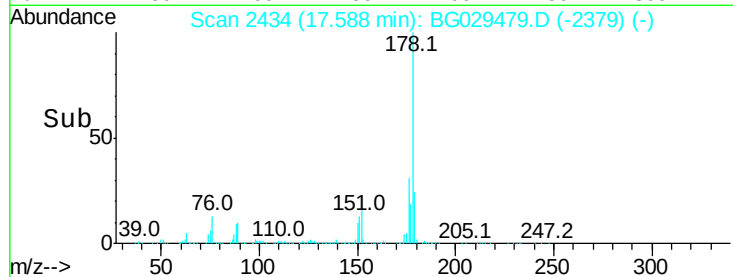
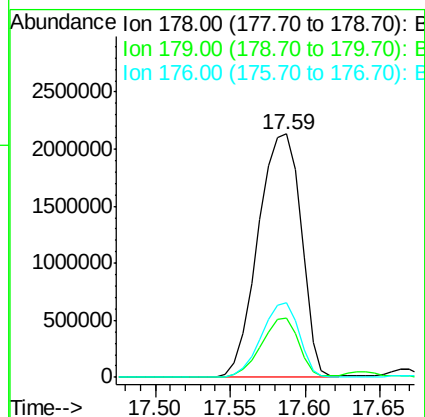
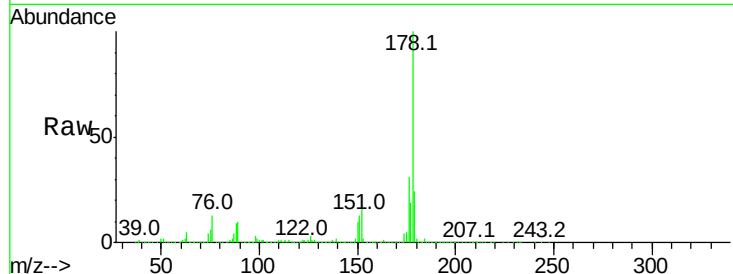
Instrument :
 BNA_G
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Tot Ion:178 Resp: 4270317

Ion	Ratio	Lower	Upper
178	100		
179	24.3	13.0	19.6#
176	30.5	15.3	22.9#

Manual Integrations
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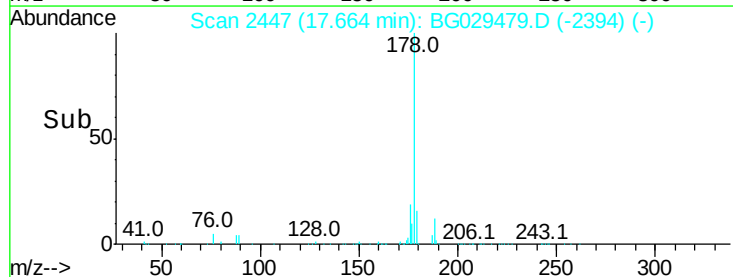
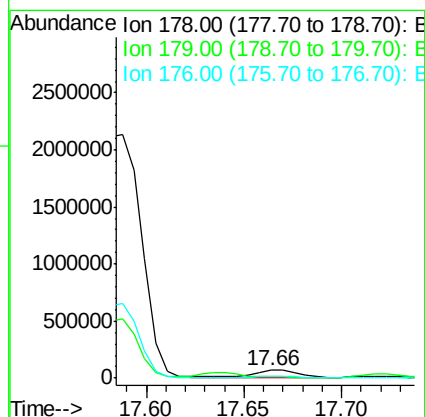
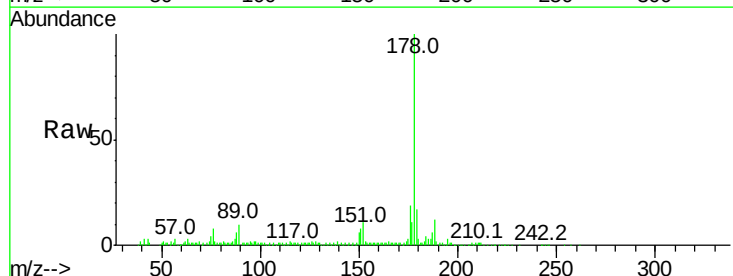
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 10/27/2017 5:33:00 PM

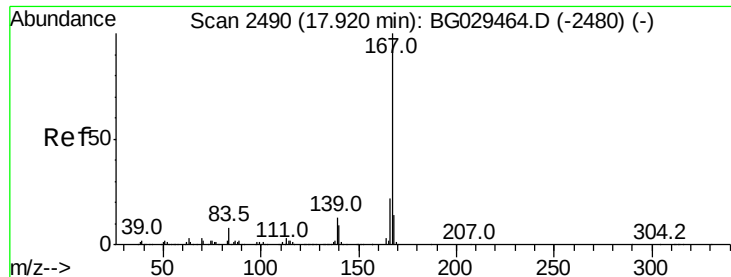


#71
 Anthracene
 Concen: 3.236 ng/ul
 RT: 17.66 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BG029479.D
 Acq: 26 Oct 2017 15:36

Tgt Ion:178 Resp: 121573

Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.2	19.8
176	18.8	16.0	24.0





#72

Carbazole

Concen: 11.451 ng/ul

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

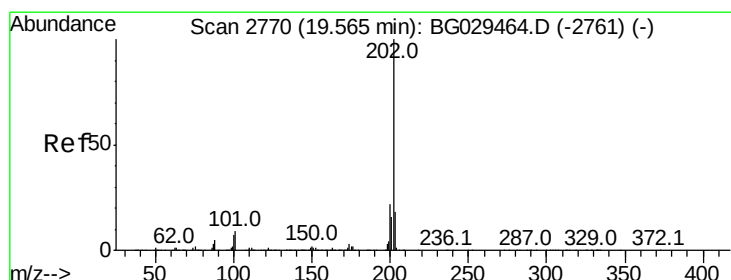
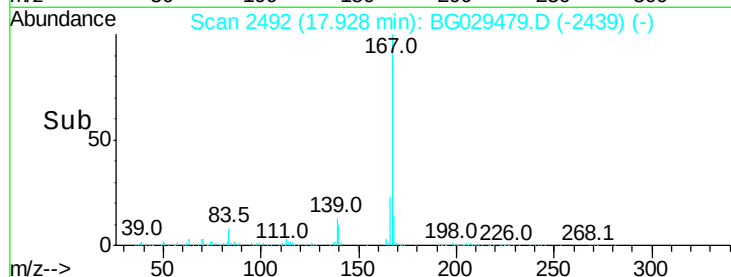
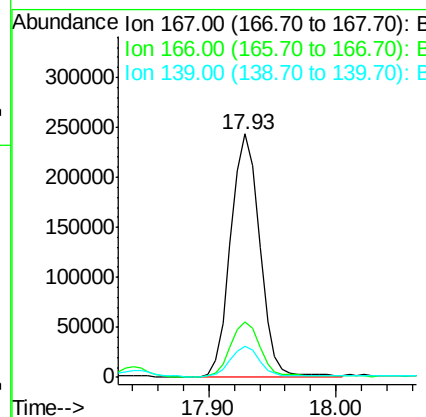
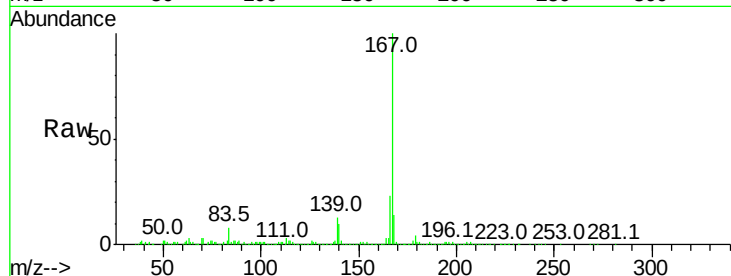
ClientSampleId :

B0D52

Tot Ion:	167	Resp:	386726
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.6	28.0
139	12.8	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 111.913 ng/ul m

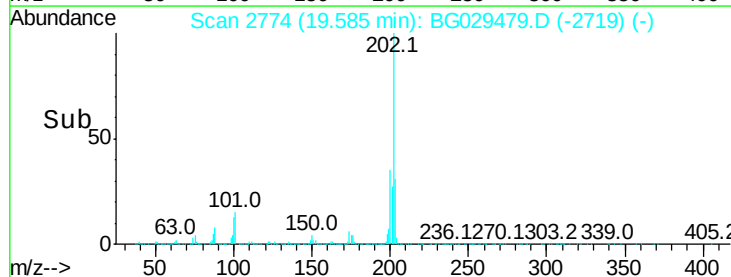
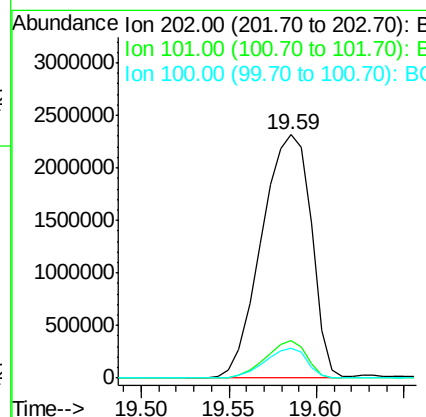
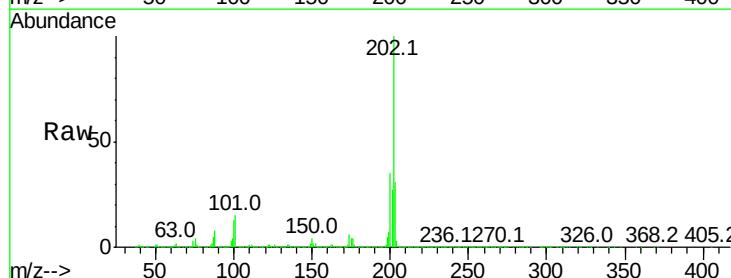
RT: 19.59 min Scan# 2774

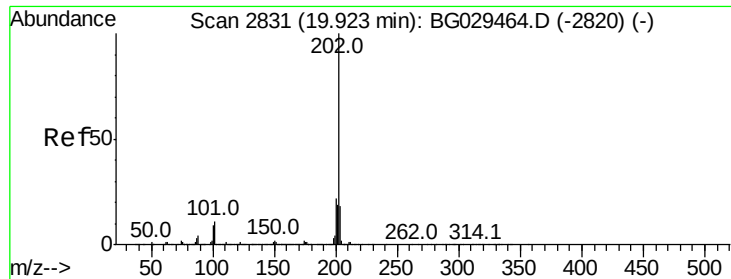
Delta R.T. 0.02 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Tgt Ion:	202	Resp:	4554399
Ion Ratio	Lower	Upper	
202	100		
101	15.4	7.4	11.2#
100	12.5	5.6	8.4#





#77

Pvrene

Concen: 86.656 ng/ul m

RT: 19.95 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

ClientSampleId :

B0D52

Tot Ion:202 Resp: 4081554

Ion Ratio Lower Upper

202 100

101 16.1 8.4 12.6#

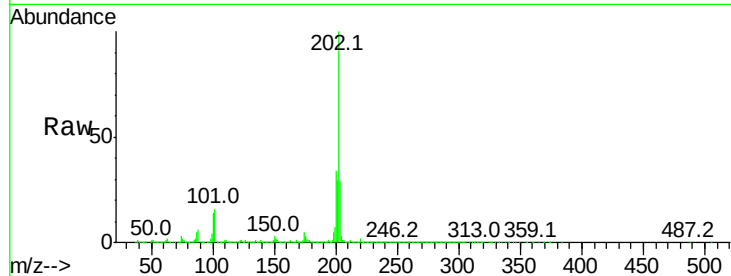
100 13.9 7.0 10.6#

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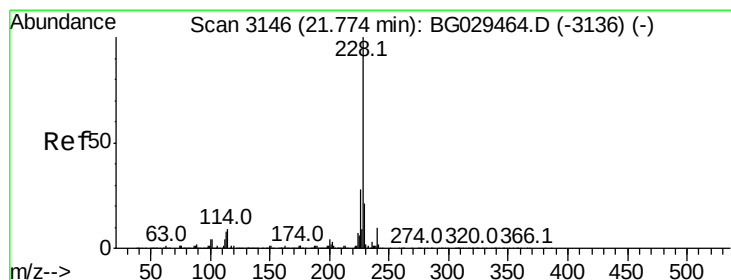
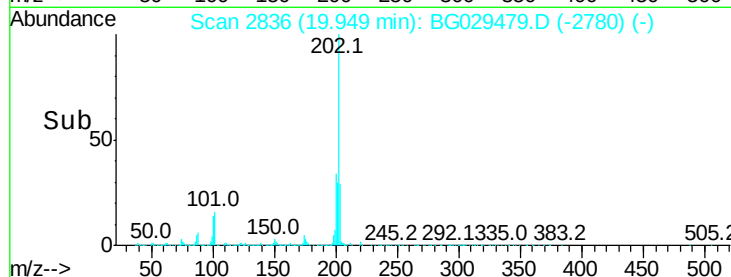
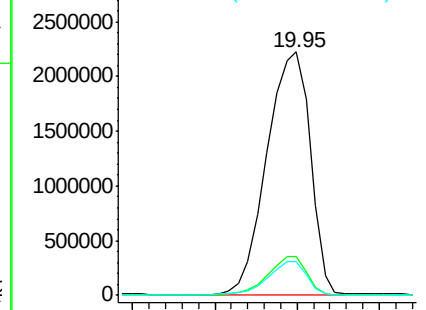
10/27/2017 5:33:00 PM



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: 27.635 ng/ul

RT: 21.79 min Scan# 3150

Delta R.T. 0.02 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

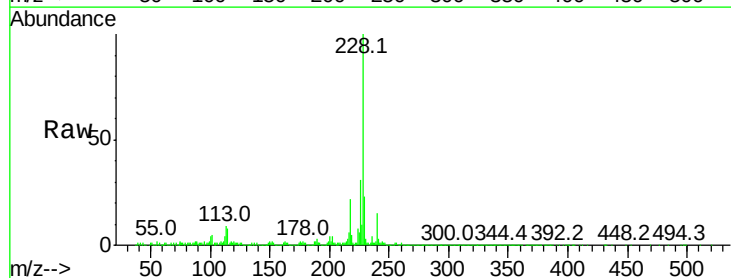
Tgt Ion:228 Resp: 1217109

Ion Ratio Lower Upper

228 100

229 23.3 16.2 24.4

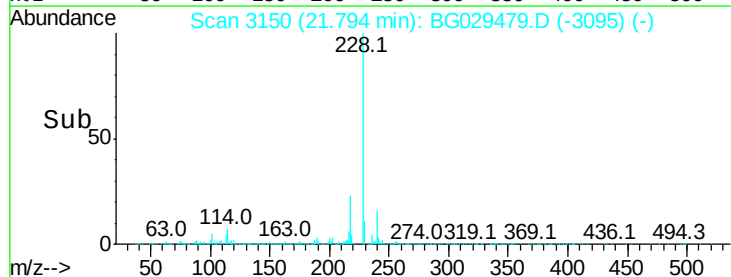
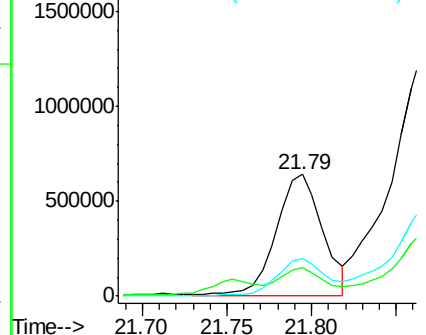
226 30.9 22.2 33.2

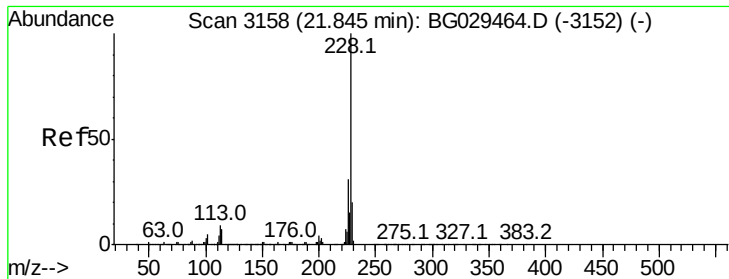


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 69.135 ng/ul

RT: 21.86 min Scan# 3162

Delta R.T. 0.02 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

ClientSampleId :

B0D52

Tot Ion:228 Resp: 2766634

Ion Ratio Lower Upper

228 100

226 36.4 24.2 36.2#

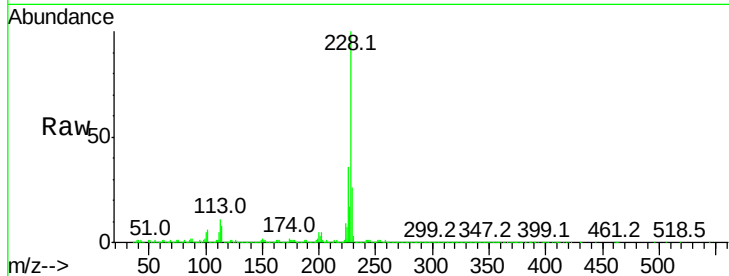
229 25.7 15.2 22.8#

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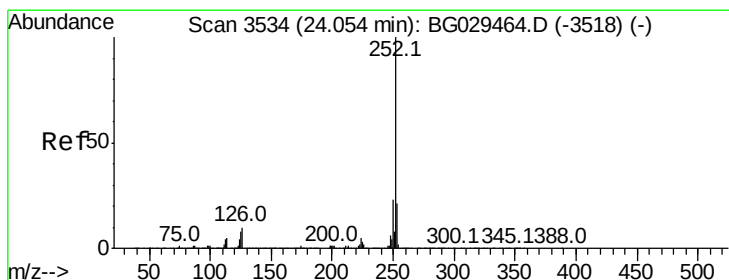
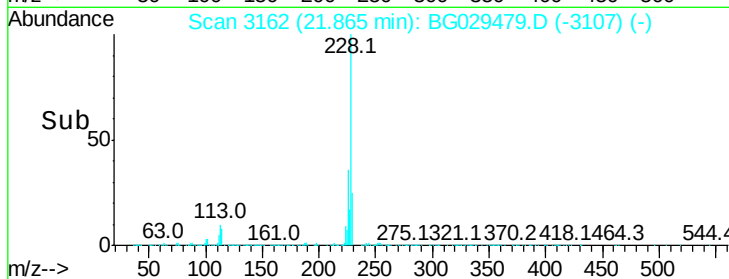
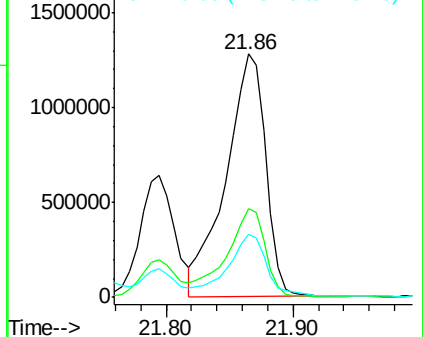
10/27/2017 5:33:00 PM



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

Benzo(b)fluoranthene

Concen: 71.252 ng/ul

RT: 24.10 min Scan# 3543

Delta R.T. 0.05 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

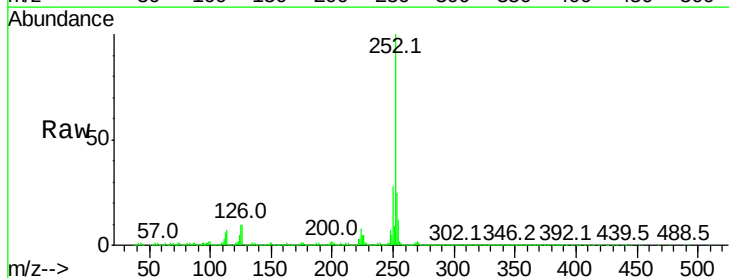
Tgt Ion:252 Resp: 3037954

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

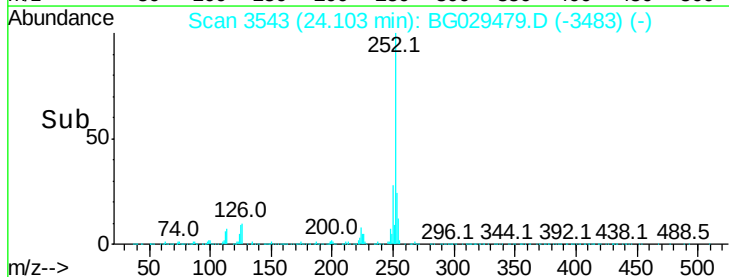
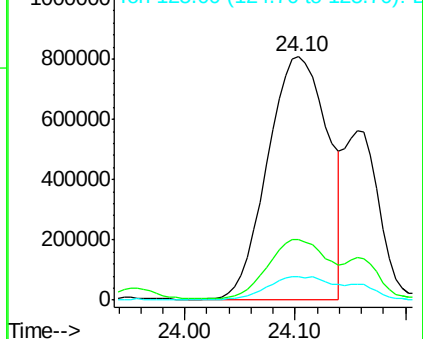
125 9.8 7.5 11.3

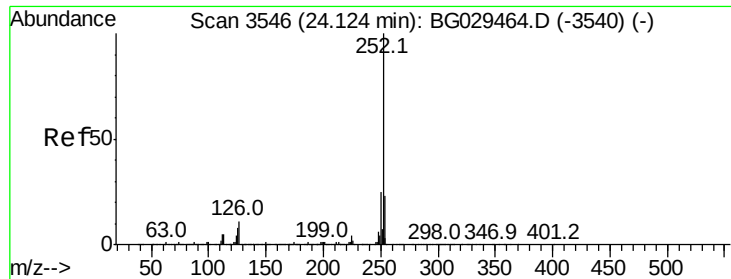


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





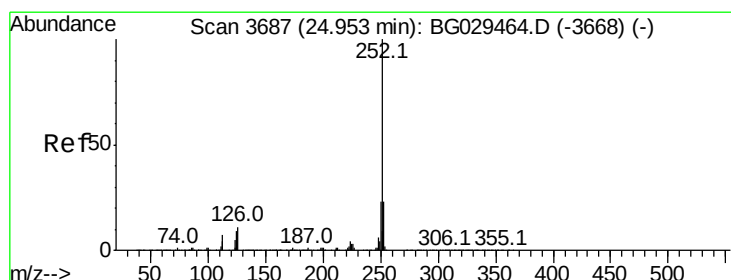
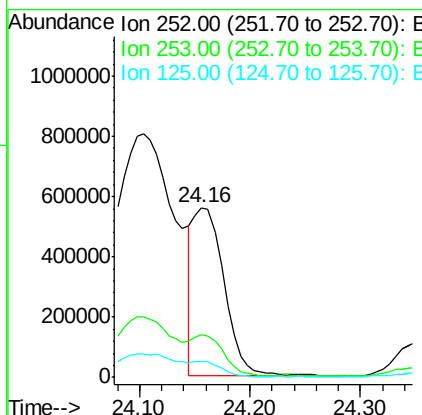
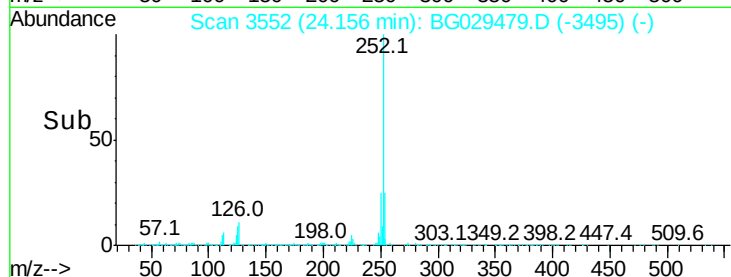
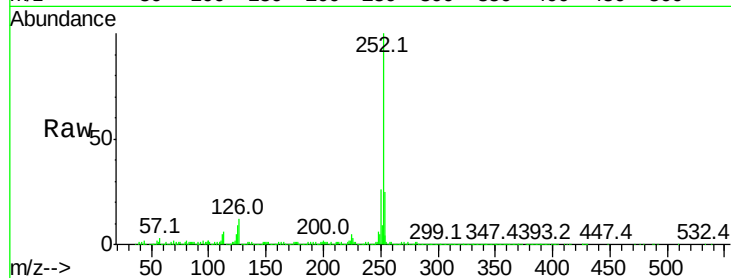
#86
Benzo(k)fluoranthene
Concen: 25.803 ng/ul
RT: 24.16 min Scan# 3552
Delta R.T. 0.03 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Instrument :
BNA_G
ClientSampleId :
B0D52

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	9.4	7.8	11.8

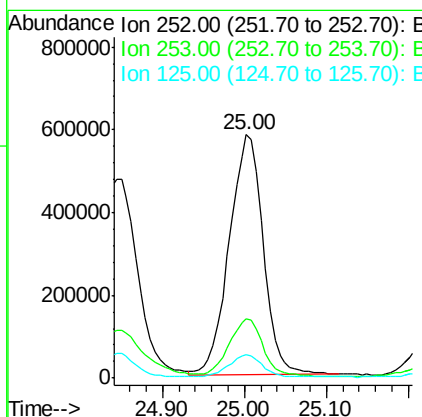
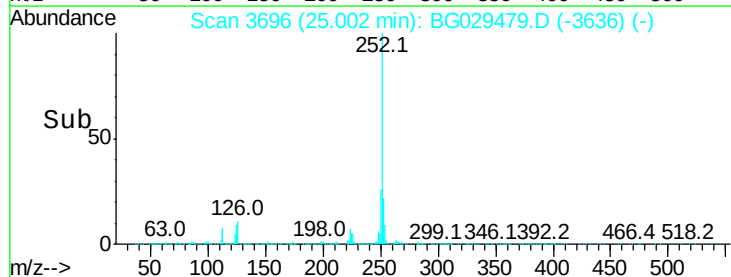
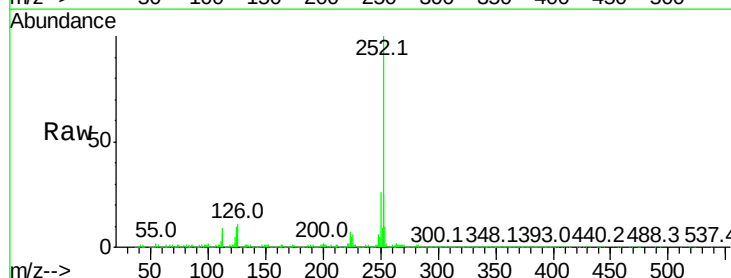
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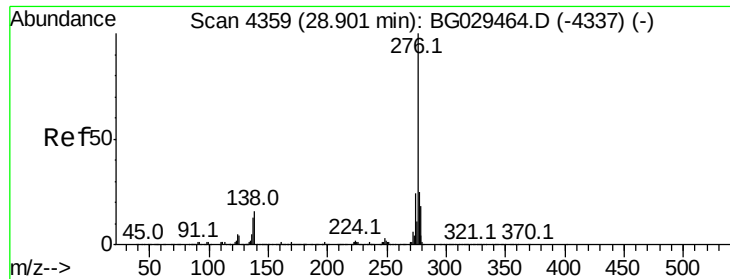
Sohil
10/27/2017 5:33:00 PM



#88
Benzo(a)pyrene
Concen: 40.532 ng/ul
RT: 25.00 min Scan# 3696
Delta R.T. 0.05 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	9.7	7.8	11.8





#89

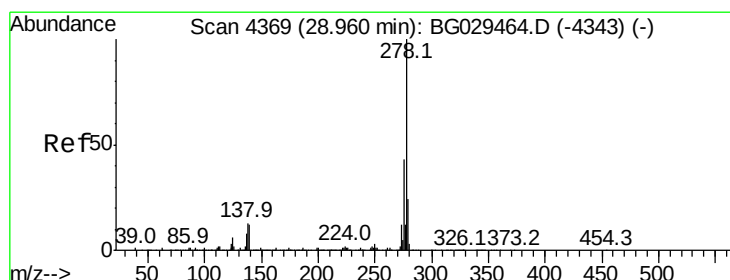
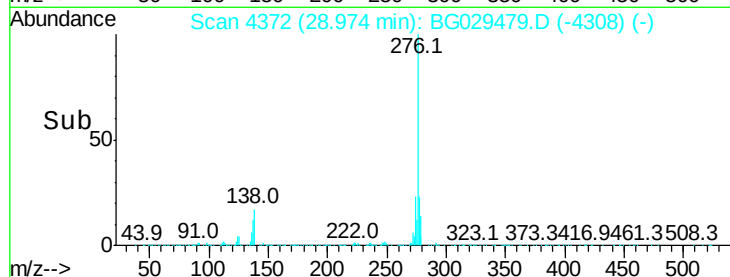
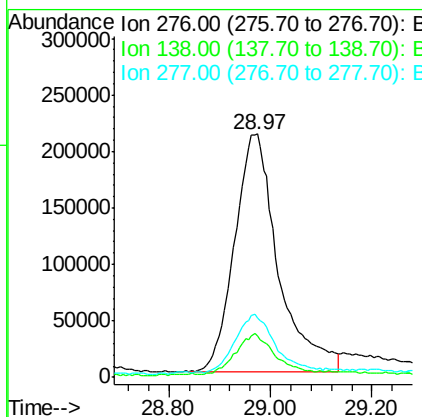
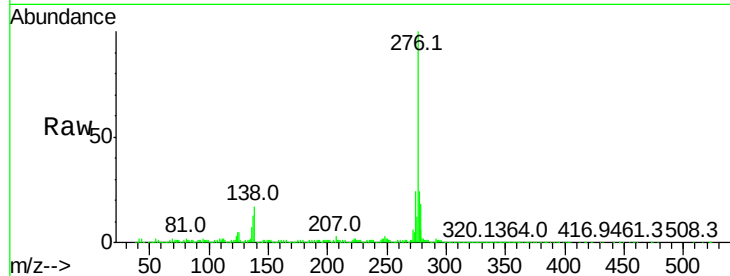
Indeno(1,2,3-cd)pyrene
Concen: 26.852 ng/ul
RT: 28.97 min Scan# 4372
Delta R.T. 0.07 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Instrument :
BNA_G
ClientSampleId :
B0D52

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.4	20.0
277	24.3	18.6	28.0

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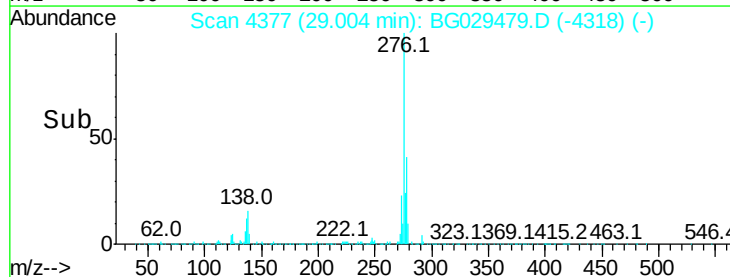
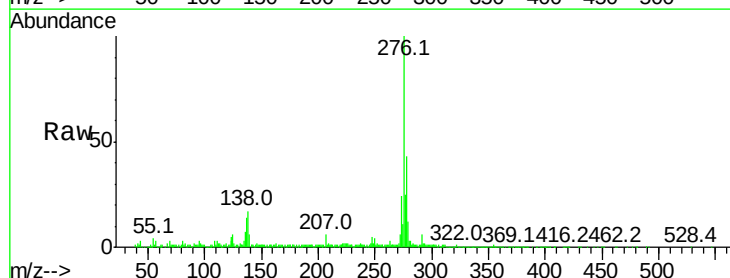
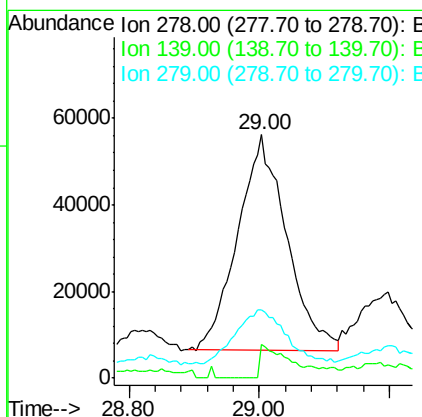
Sohil
10/27/2017 5:33:00 PM

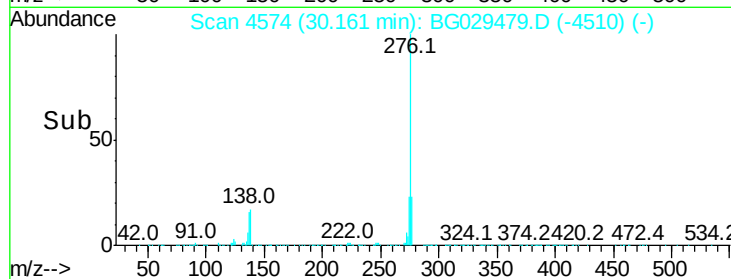
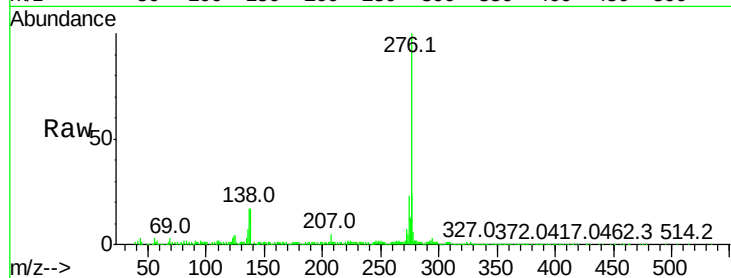
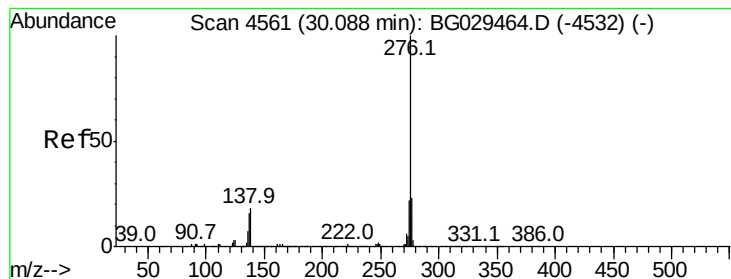


#90

Dibenzo(a,h)anthracene
Concen: 6.619 ng/ul
RT: 29.00 min Scan# 4377
Delta R.T. 0.04 min
Lab File: BG029479.D
Acq: 26 Oct 2017 15:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.4	14.2
279	28.0	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 26.114 ng/ul

RT: 30.16 min Scan# 4574

Delta R.T. 0.07 min

Lab File: BG029479.D

Acq: 26 Oct 2017 15:36

Instrument :

BNA_G

ClientSampleId :

B0D52

Tot Ion:276 Resp: 1016406

Ion Ratio Lower Upper

276 100

138 17.4 12.1 18.1

277 24.3 17.7 26.5

Manual Integrations

APPROVED

Sohil

10/27/2017 5:33:00 PM

