

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029486.D
 Acq On : 26 Oct 2017 20:25
 Operator : SJ/JU
 Sample : I5792-20 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 B0D52DL

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:33:12 PM

Quant Time: Oct 27 02:40:04 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:08:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	84188	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	449111	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	296930	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	658731	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	688621	20.00	ng/ul	0.00
83) Perylene-d12	25.12	264	723708	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	2145	1.04	ng/uL	0.00
5) Phenol-d5	7.32	99	54192	6.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	32836	6.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	43627	7.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	41495	6.36	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	22912	7.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	26332	7.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	49780	6.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	29825	3.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	160160	6.31	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	206525	6.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	16223	3.46	ng/ul	0.00
57) Fluorene-d10	15.77	176	145793	7.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	11945	3.71	ng/ul	0.00
70) Anthracene-d10	17.62	188	212652	6.83	ng/ul	0.00
76) Pyrene-d10	19.90	212	249460	7.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	228698	6.67	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	11.04	128	48581	2.044 ng/ul	98
34) 2-Methylnaphthalene	12.63	142	30518	1.551 ng/ul	99
53) Dibenzofuran	15.18	168	57744	1.960 ng/ul	93
58) Fluorene	15.83	166	32532	1.384 ng/ul	93
69) Phenanthrene	17.57	178	982535	27.591 ng/ul	97
72) Carbazole	17.92	167	60255	1.824 ng/ul	96
74) Fluoranthene	19.57	202	1104495	27.753 ng/ul	99
77) Pyrene	19.93	202	944536	20.466 ng/ul	98
80) Benzo(a)anthracene	21.78	228	209037	4.844 ng/ul	97
82) Chrysene	21.85	228	481347	12.276 ng/ul	96
85) Benzo(b)fluoranthene	24.06	252	519265	11.952 ng/ul	98
86) Benzo(k)fluoranthene	24.13	252	193287m	4.601 ng/ul	
88) Benzo(a)pyrene	24.96	252	267909	6.335 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	28.91	276	200415	4.189 ng/ul	98
91) Benzo(g,h,i)perylene	30.11	276	142626	3.596 ng/ul	97

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

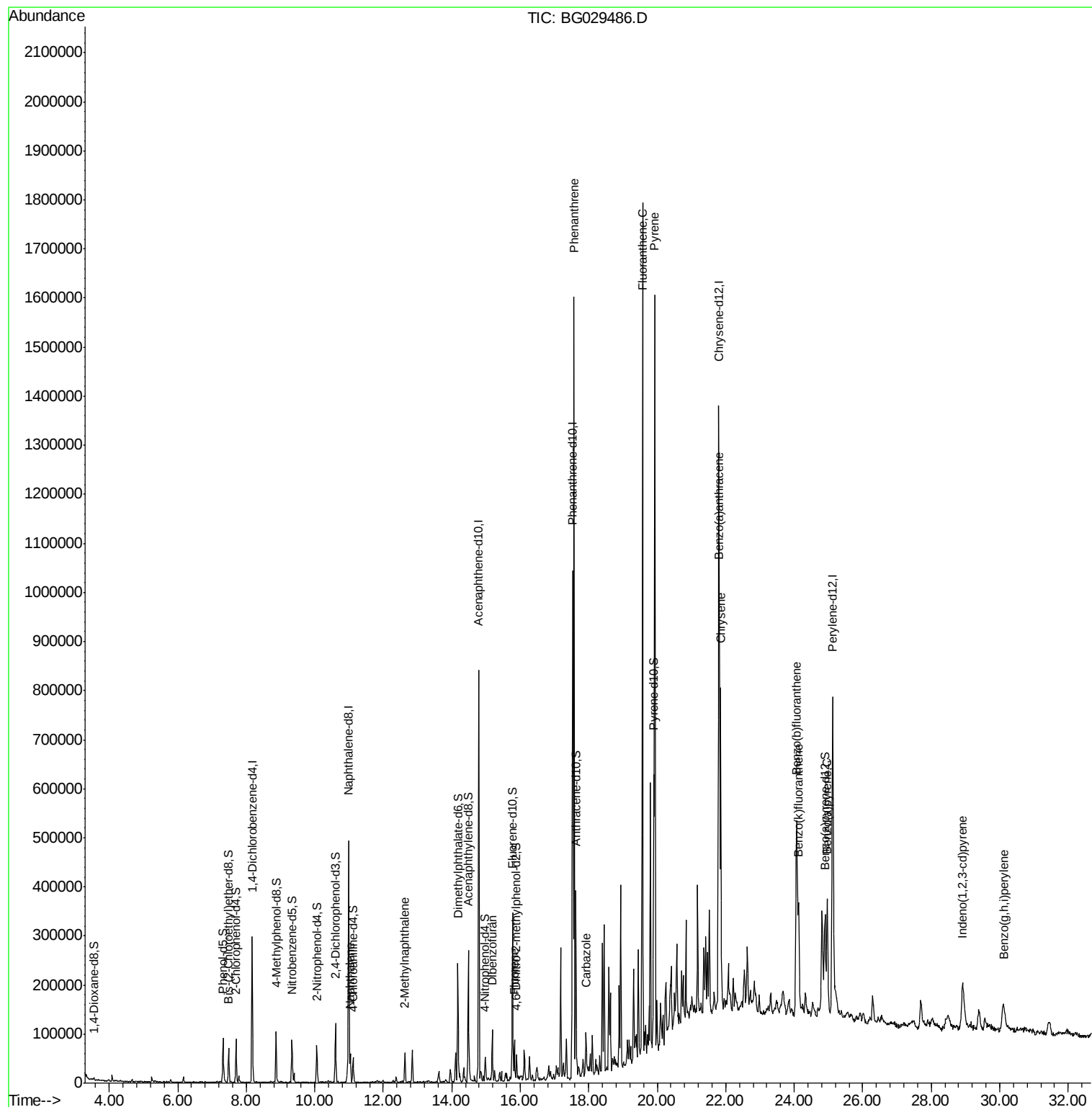
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
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Acq On : 26 Oct 2017 20:25
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Sample : I5792-20 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

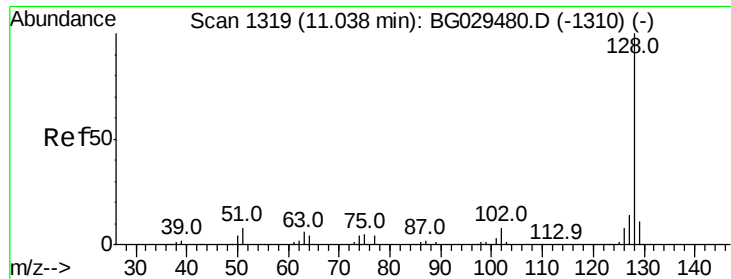
Instrument :
BNA_G
ClientSampleId :
B0D52DL

Manual Integrations
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10/27/2017 5:33:12 PM

Quant Time: Oct 27 02:40:04 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:08:53 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.044 ng/ul

RT: 11.04 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

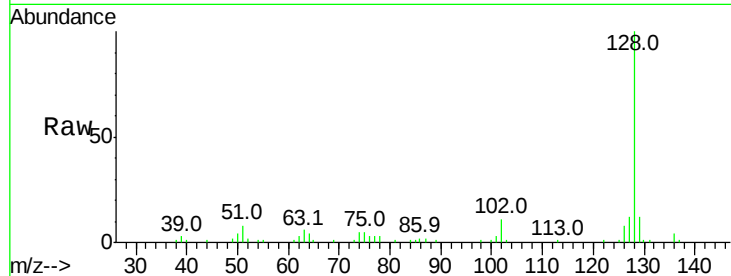
ClientSampleId :

B0D52DL

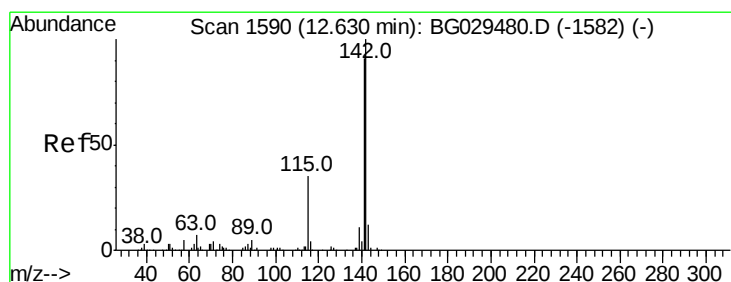
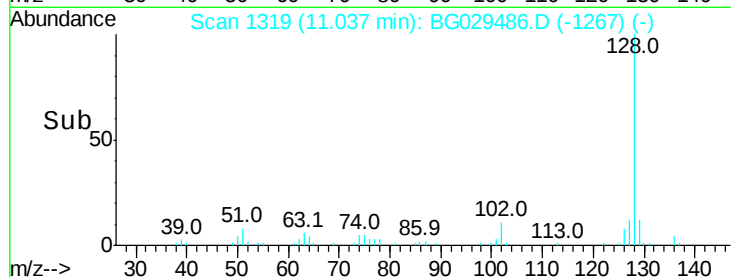
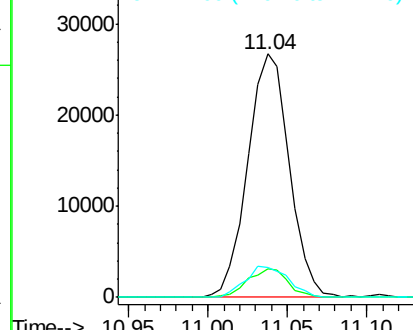
Tot Ion:	128	Resp:	48581
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.3	13.9
127	12.3	10.7	16.1

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



#34

2-Methylnaphthalene

Concen: 1.551 ng/ul

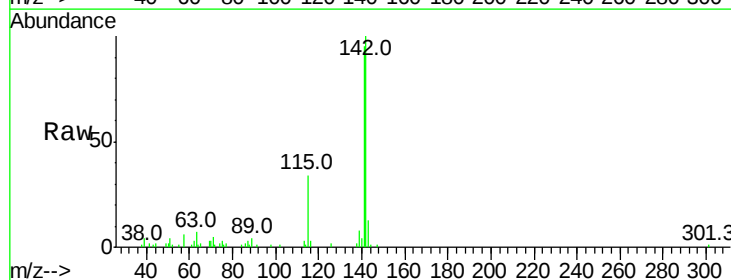
RT: 12.63 min Scan# 1590

Delta R.T. 0.00 min

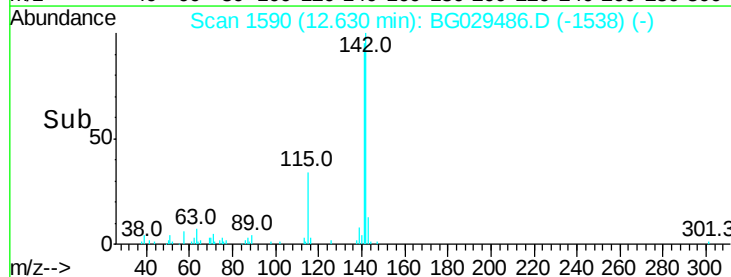
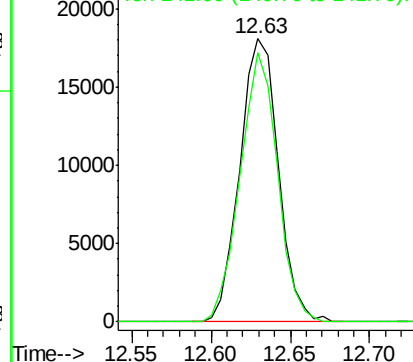
Lab File: BG029486.D

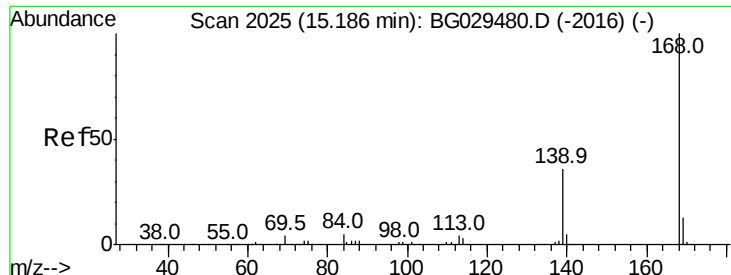
Acq: 26 Oct 2017 20:25

Tgt Ion:	142	Resp:	30518
Ion Ratio	Lower	Upper	
142	100		
141	95.1	75.4	113.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#53

Dibenzenofuran

Concen: 1.960 ng/ul

RT: 15.18 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

ClientSampleId :

B0D52DL

Tot Ion:168 Resp: 57744

Ion Ratio Lower Upper

168 100

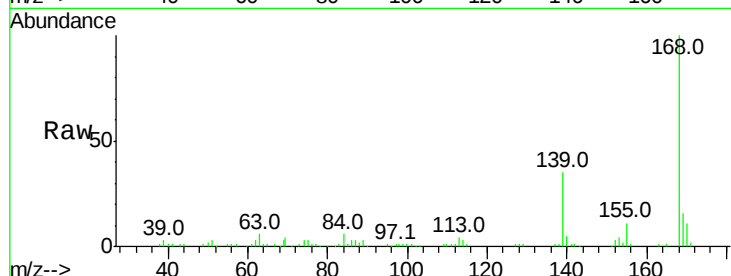
139 35.0 31.4 47.2

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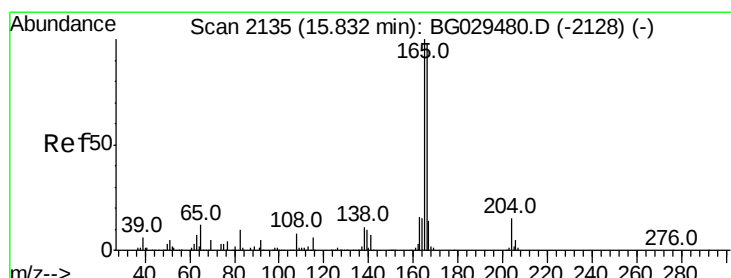
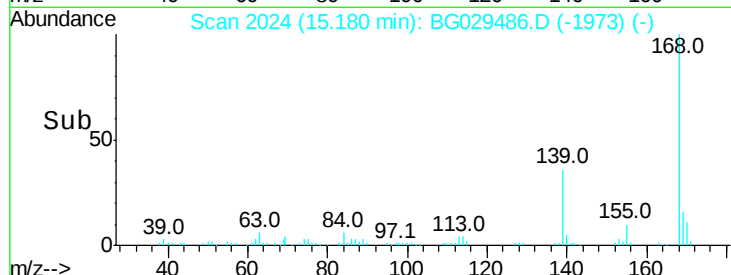
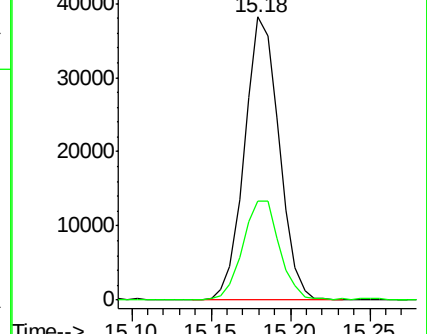
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.384 ng/ul

RT: 15.83 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

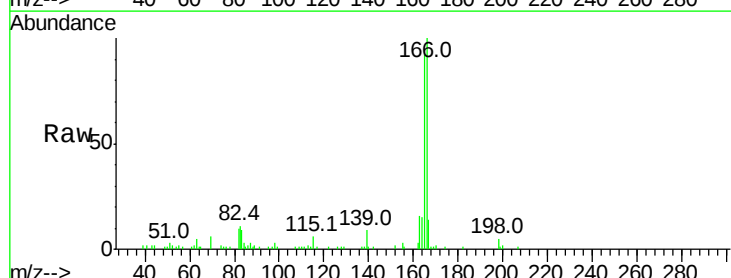
Tgt Ion:166 Resp: 32532

Ion Ratio Lower Upper

166 100

165 91.6 79.9 119.9

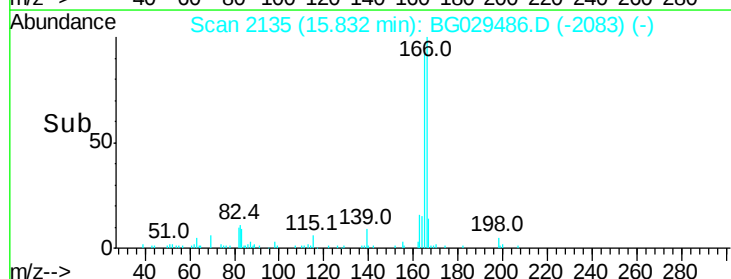
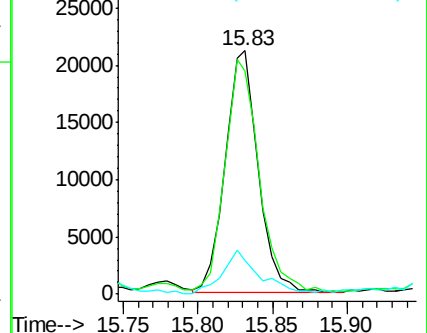
167 13.7 10.6 16.0

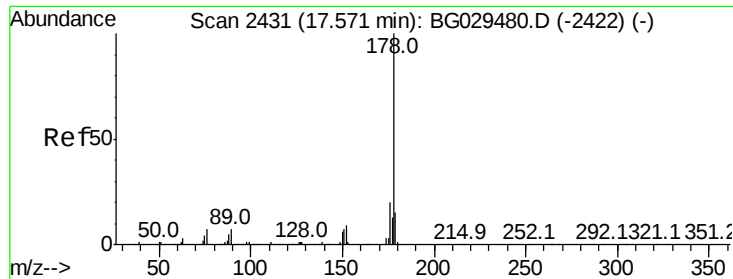


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 27.591 ng/ul

RT: 17.57 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

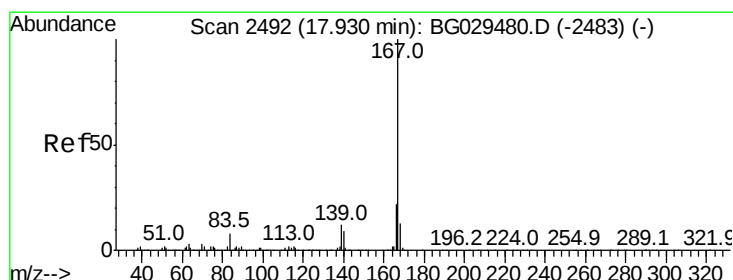
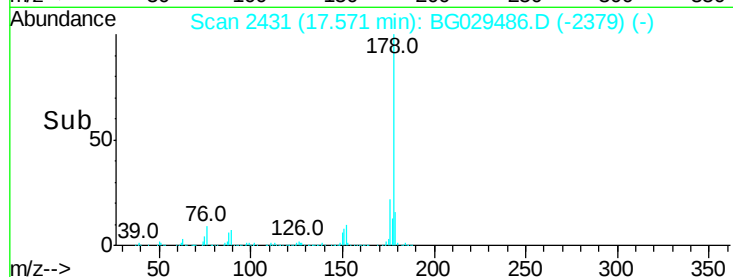
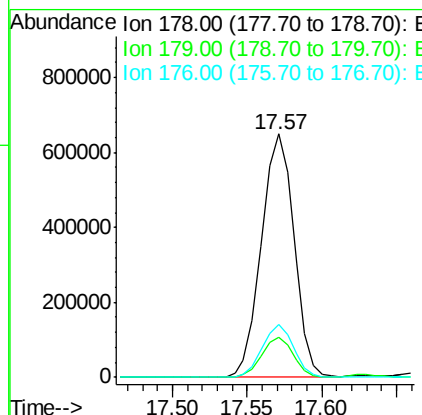
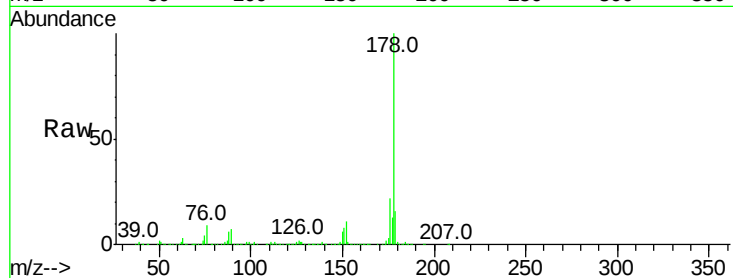
ClientSampleId :

B0D52DL

Tot Ion:	178	Resp:	982535
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.0	19.6
176	21.5	15.3	22.9

Manual Integrations
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#72

Carbazole

Concen: 1.824 ng/ul

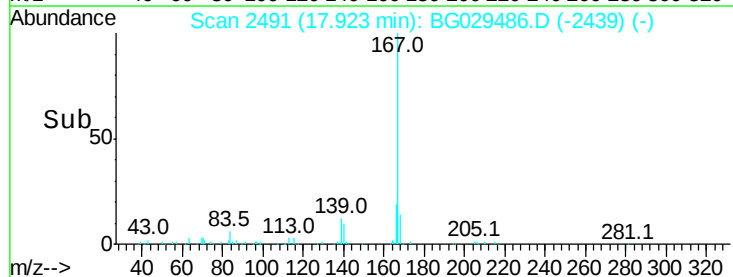
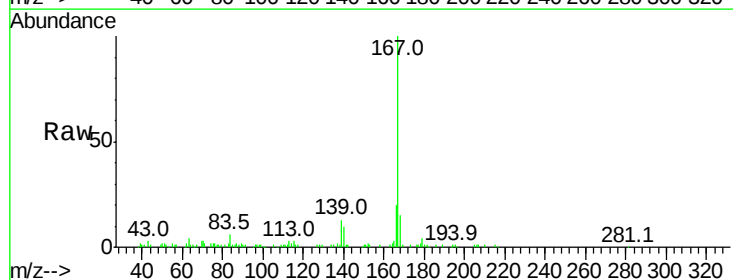
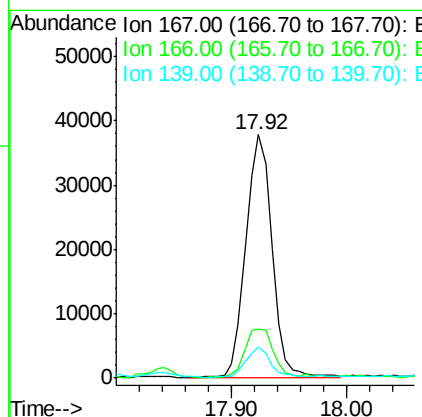
RT: 17.92 min Scan# 2491

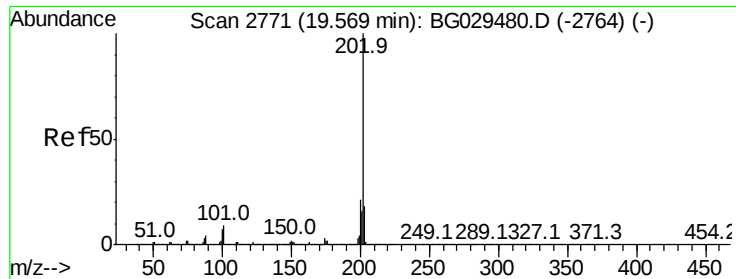
Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Tgt Ion:	167	Resp:	60255
Ion Ratio	Lower	Upper	
167	100		
166	20.4	18.6	28.0
139	12.6	10.6	16.0





#74

Fluoranthene

Concen: 27.753 ng/ul

RT: 19.57 min Scan# 2771

Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

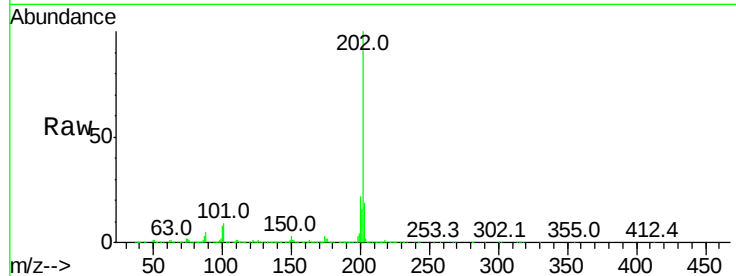
ClientSampled :

B0D52DL

Tot Ion:	202	Resp:	1104495
Ion Ratio	Lower	Upper	
202	100		
101	9.5	7.4	11.2
100	8.0	5.6	8.4

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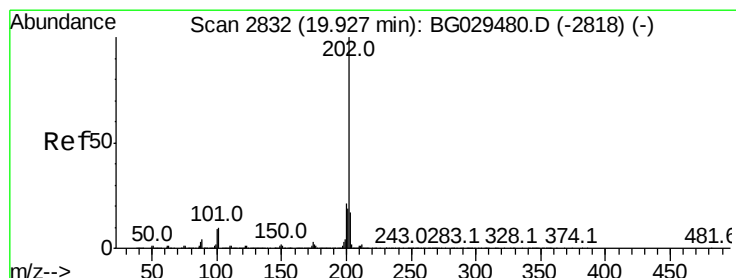
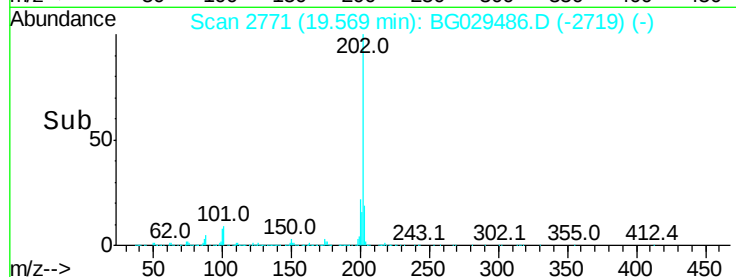
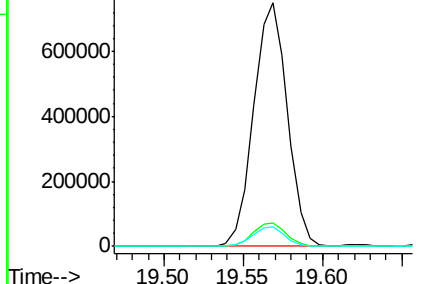
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 20.466 ng/ul

RT: 19.93 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BG029486.D

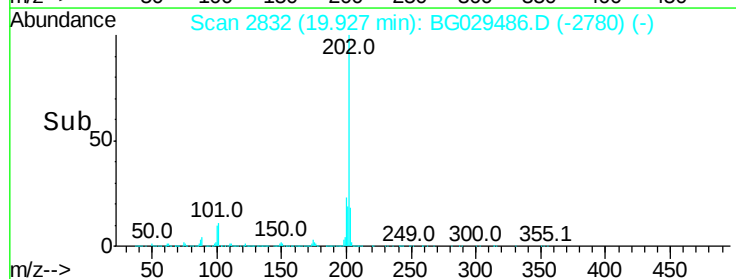
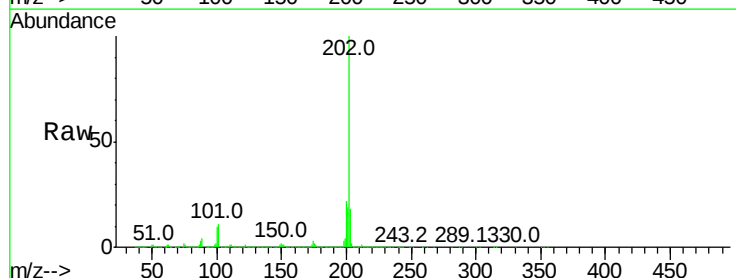
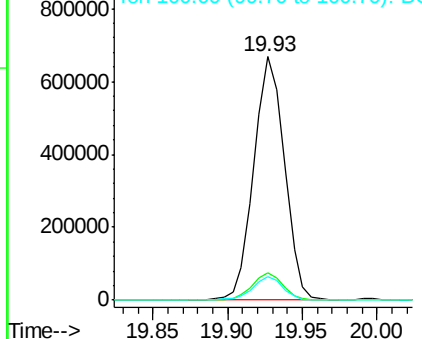
Acq: 26 Oct 2017 20:25

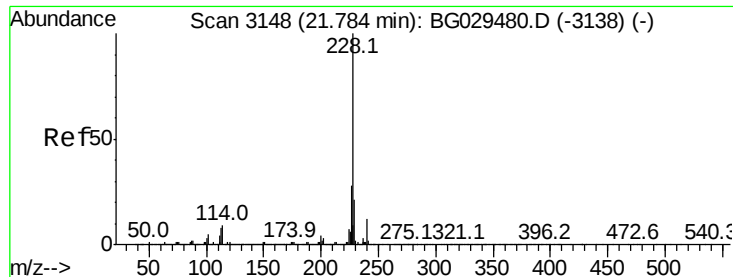
Tgt Ion:	202	Resp:	944536
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.4	12.6
100	9.6	7.0	10.6

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





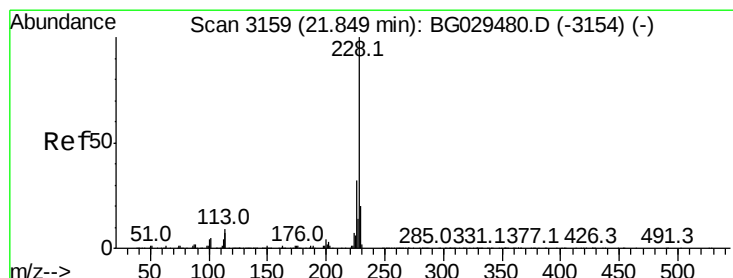
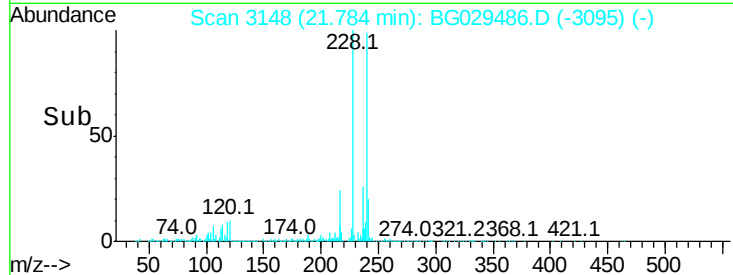
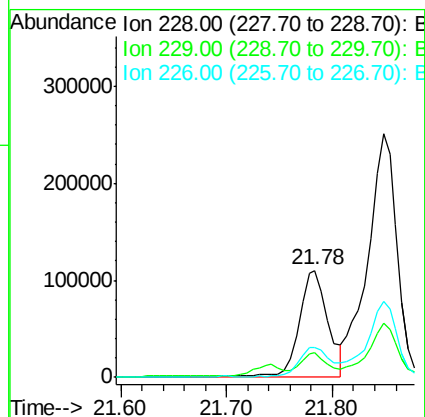
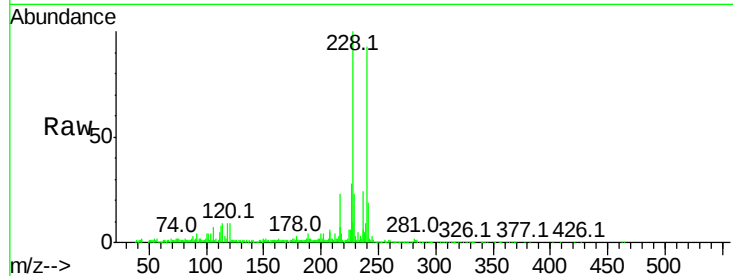
#80
Benzo(a)anthracene
Concen: 4.844 ng/ul
RT: 21.78 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BG029486.D
Acq: 26 Oct 2017 20:25

Instrument :
BNA_G
ClientSampleId :
B0D52DL

Tot Ion:	228	Resp:	209037
Ion Ratio	Lower	Upper	
228	100		
229	23.1	16.2	24.4
226	28.2	22.2	33.2

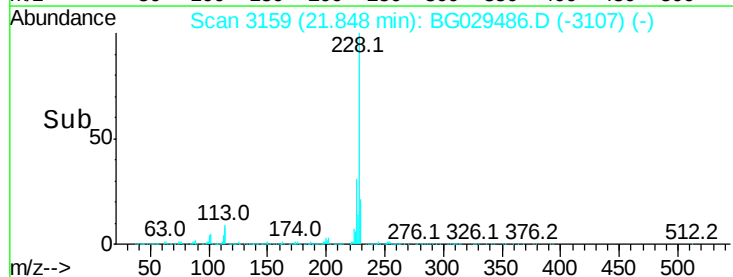
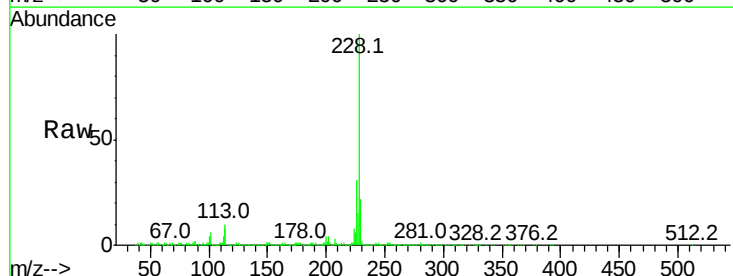
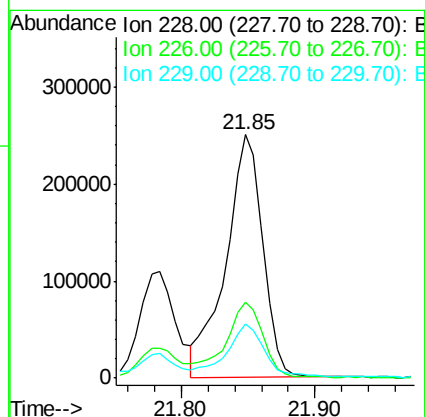
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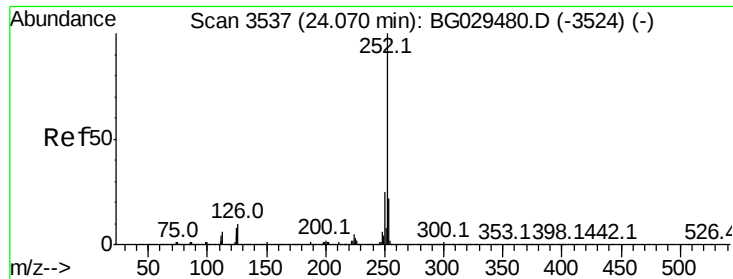
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#82
Chrysene
Concen: 12.276 ng/ul
RT: 21.85 min Scan# 3159
Delta R.T. 0.00 min
Lab File: BG029486.D
Acq: 26 Oct 2017 20:25

Tgt Ion:	228	Resp:	481347
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.2	36.2
229	22.0	15.2	22.8





#85

Benzo(b)fluoranthene

Concen: 11.952 ng/ul

RT: 24.06 min Scan# 3536

Delta R.T. 0.01 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

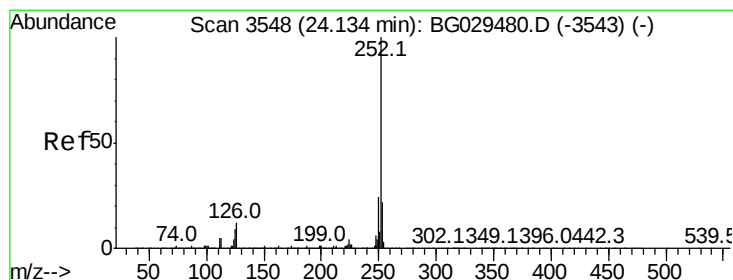
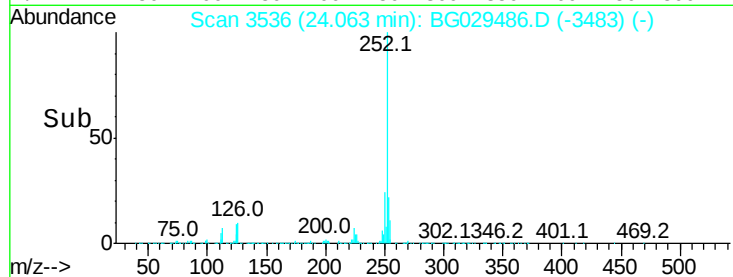
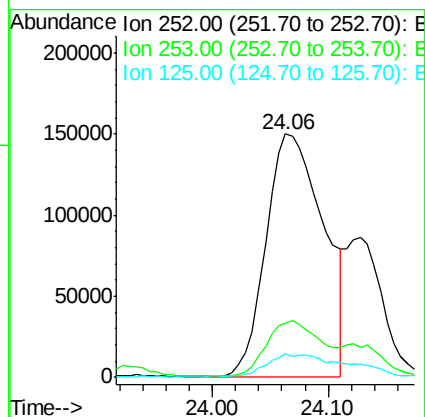
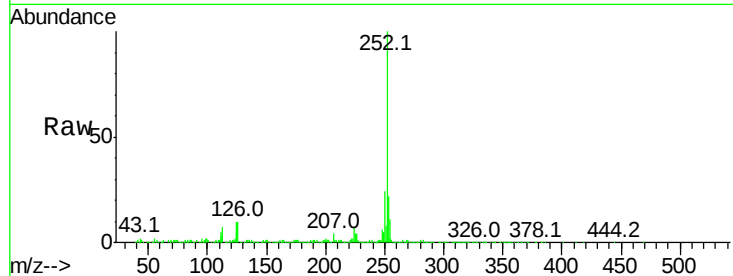
ClientSampleId :

B0D52DL

Tot Ion:	252	Resp:	519265
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.4
125	9.5	7.5	11.3

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 4.601 ng/ul m

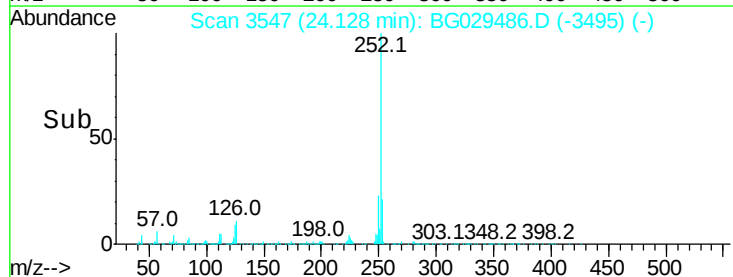
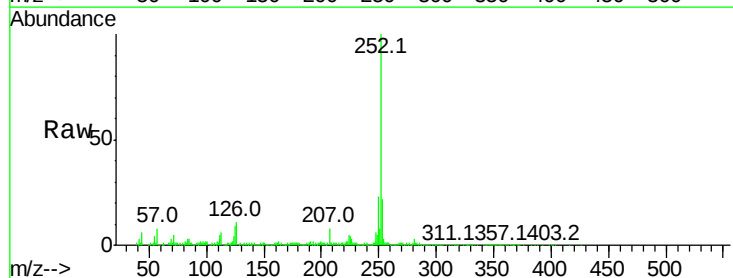
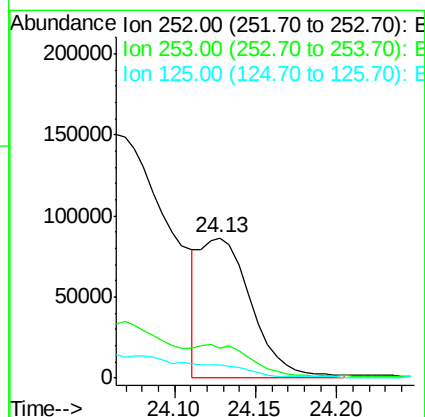
RT: 24.13 min Scan# 3547

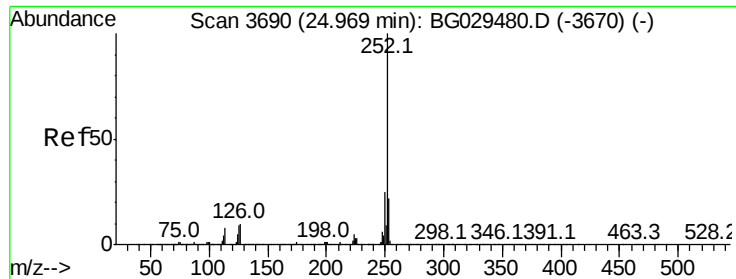
Delta R.T. 0.00 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Tgt Ion:	252	Resp:	193287
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.2	25.8
125	9.5	7.8	11.8





#88

Benzo(a)pyrene

Concen: 6.335 ng/ul

RT: 24.96 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

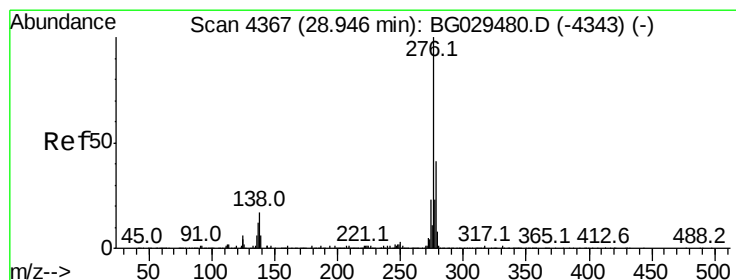
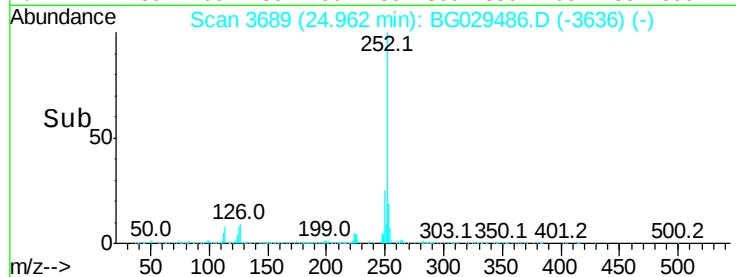
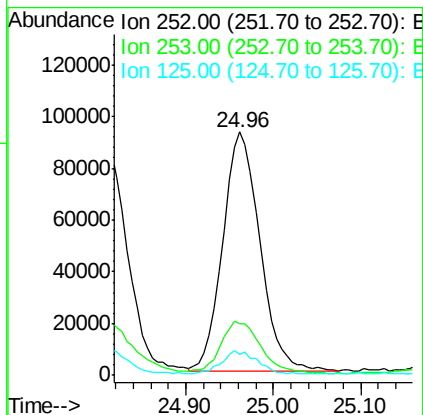
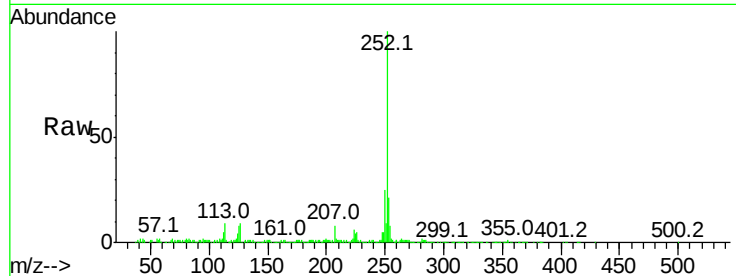
ClientSampleId :

B0D52DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	8.4	7.8	11.8

Manual Integrations
APPROVED

Sohil
10/27/2017 5:33:12 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.189 ng/ul

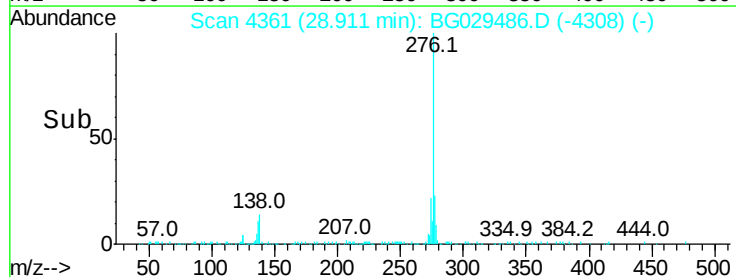
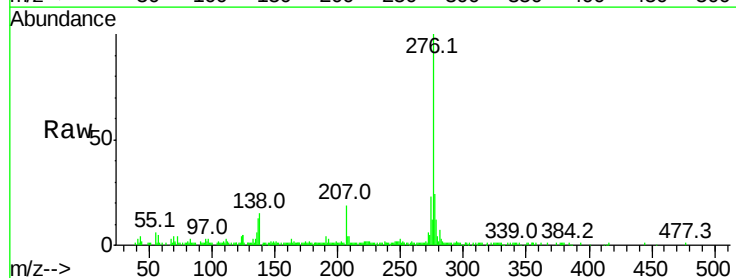
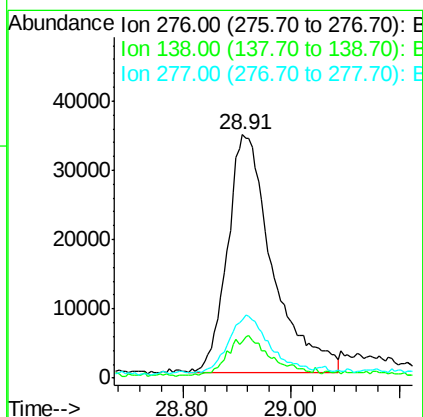
RT: 28.91 min Scan# 4361

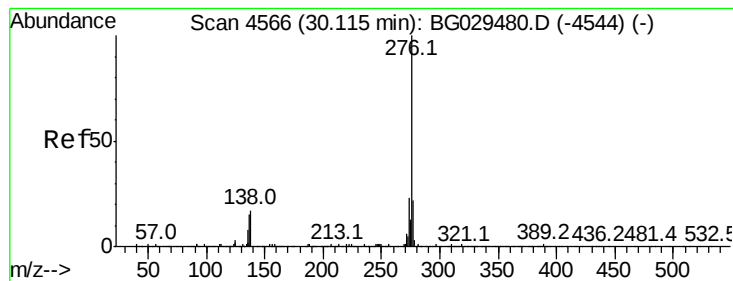
Delta R.T. 0.01 min

Lab File: BG029486.D

Acq: 26 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	13.4	20.0
277	23.8	18.6	28.0





#91

Benzo(a,h,i)perylene

Concen: 3.596 ng/ul

RT: 30.11 min Scan# 4566

Delta R.T. 0.03 min

Lab File: BG029486.D

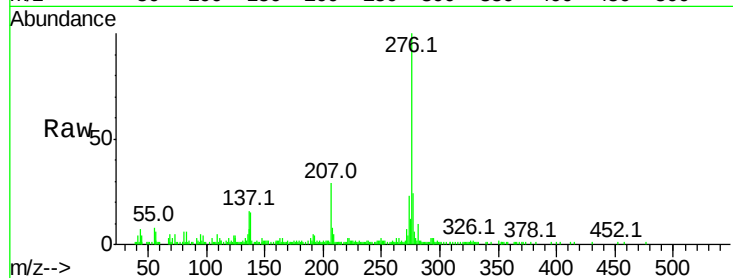
Acq: 26 Oct 2017 20:25

Instrument :

BNA_G

ClientSampleId :

B0D52DL



Tot Ion	Ratio	Lower	Upper
276	100		
138	14.8	12.1	18.1
277	23.9	17.7	26.5

Manual Integrations
APPROVED

Sohil
10/27/2017 5:33:12 PM

