

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
 Data File : BG028445.D
 Acq On : 23 Aug 2017 11:28
 Operator : SJ/JU
 Sample : I4827-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB6

Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:21 PM

Quant Time: Aug 24 01:58:40 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	36931	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	164216	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	107699	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	241300	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	288193	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	266222m	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	3953	4.98	ng/uL	0.00
5) Phenol-d5	7.50	99	100257	24.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	63819	24.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	75080	29.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	87129	25.70	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	40553	31.58	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	46256	32.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	91009	31.24	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	80255	24.75	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	305157	31.86	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	351507	32.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	8230	5.40	ng/ul	0.02
57) Fluorene-d10	15.94	176	253411	29.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	4943	3.15	ng/ul	0.00
70) Anthracene-d10	17.81	188	388095	33.54	ng/ul	0.00
76) Pyrene-d10	20.08	212	449834	30.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	428817m	34.41	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.53	94	6689	1.659	ng/ul	95
28) Naphthalene	11.21	128	36835	4.529	ng/ul	96
34) 2-Methylnaphthalene	12.80	142	22064	3.377	ng/ul	88
40) 1,1'-Biphenyl	13.78	154	9777	1.243	ng/ul#	90
44) Dimethylphthalate	14.39	163	116762	13.238	ng/ul#	98
47) Acenaphthylene	14.68	152	23200	2.248	ng/ul#	88
49) Acenaphthene	15.02	153	46992	6.748	ng/ul	94
53) Dibenzofuran	15.35	168	51604	5.082	ng/ul	99
58) Fluorene	16.00	166	56311	6.264	ng/ul	92
69) Phenanthrene	17.75	178	1183465	97.456	ng/ul	98
71) Anthracene	17.84	178	193715	15.608	ng/ul	98
72) Carbazole	18.11	167	80450	7.453	ng/ul	98
74) Fluoranthene	19.75	202	1926558	130.543	ng/ul	99
77) Pyrene	20.12	202	1913558	111.293	ng/ul	98
80) Benzo(a)anthracene	22.02	228	1022603	61.412	ng/ul	96
82) Chrysene	22.09	228	1055698	70.396	ng/ul	96
85) Benzo(b)fluoranthene	24.44	252	1184295m	74.339	ng/ul	
86) Benzo(k)fluoranthene	24.50	252	410002m	26.347	ng/ul	
88) Benzo(a)pyrene	25.39	252	909971m	58.994	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.59	276	481650m	26.665	ng/ul	
90) Dibenzo(a,h)anthracene	29.63	278	122935m	8.120	ng/ul	
91) Benzo(g,h,i)perylene	30.86	276	354691m	23.869	ng/ul	

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

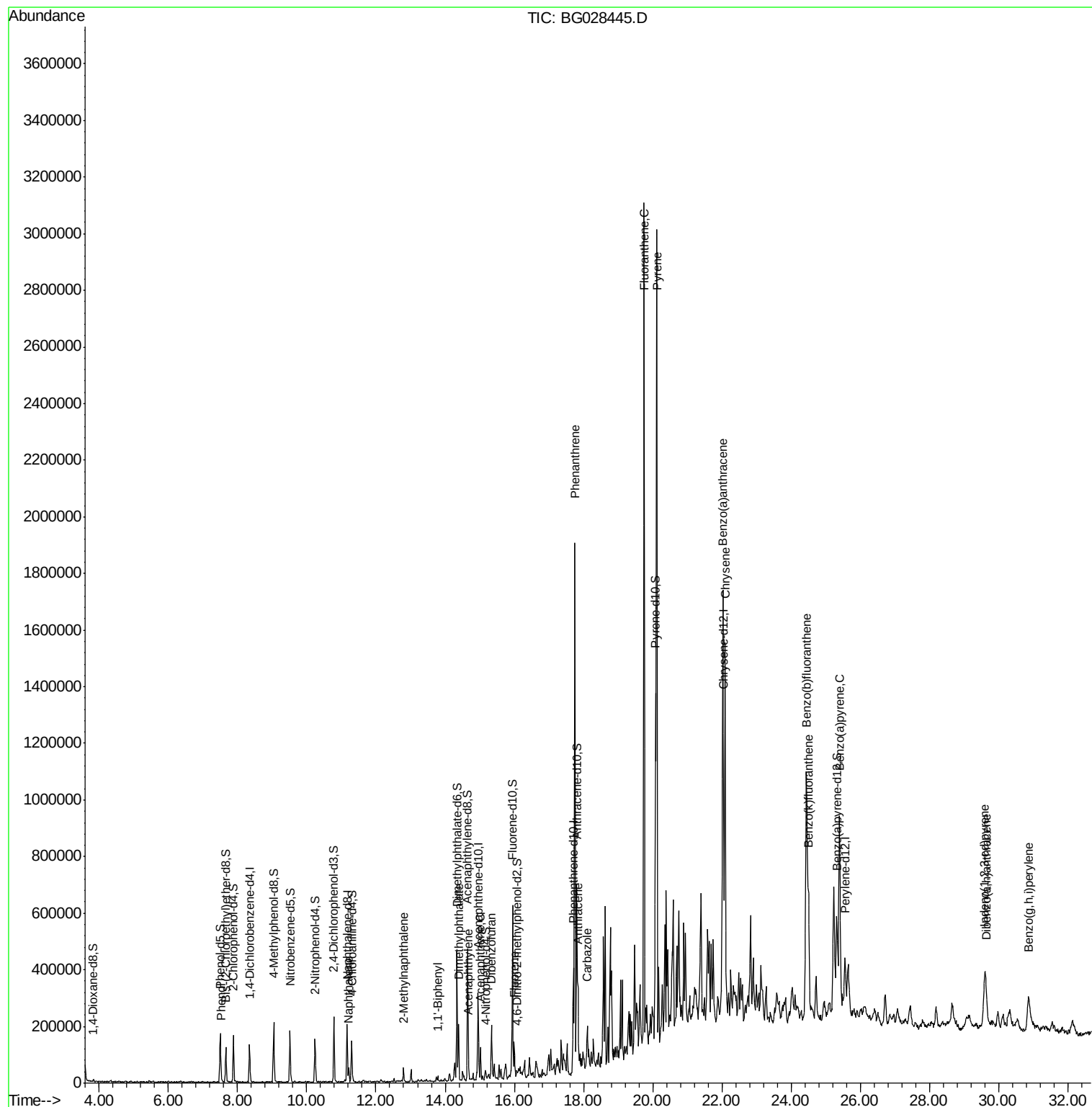
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028445.D
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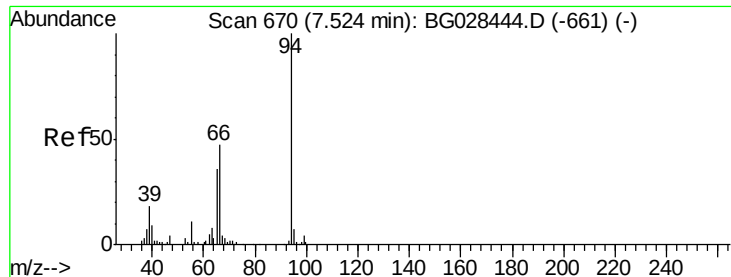
Instrument :
BNA_G
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#6

Phenol

Concen: 1.659 ng/ul

RT: 7.53 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

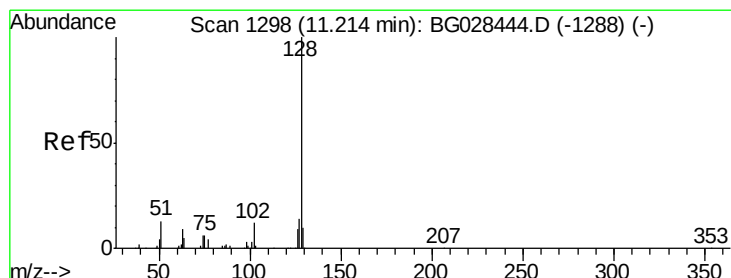
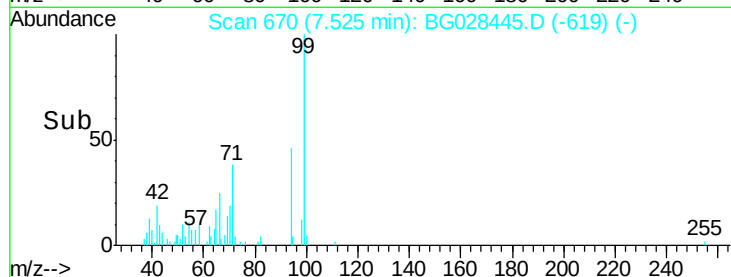
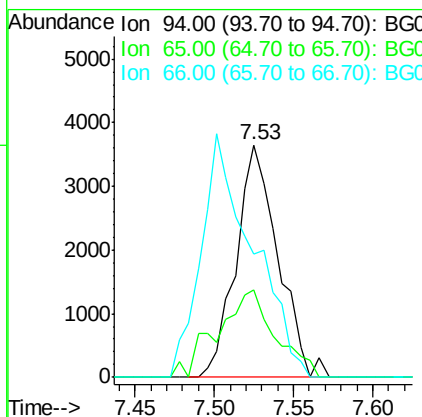
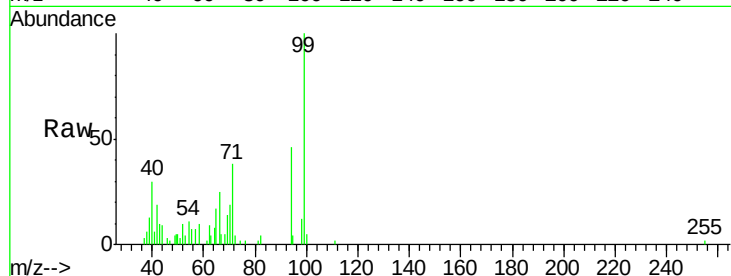
ClientSampled :

B0AB6

Tgt Ion:	94	Resp:	6689
Ion	Ratio	Lower	Upper
94	100		
65	37.6	26.8	40.2
66	53.0	44.4	66.6

Manual Integrations
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#28

Naphthalene

Concen: 4.529 ng/ul

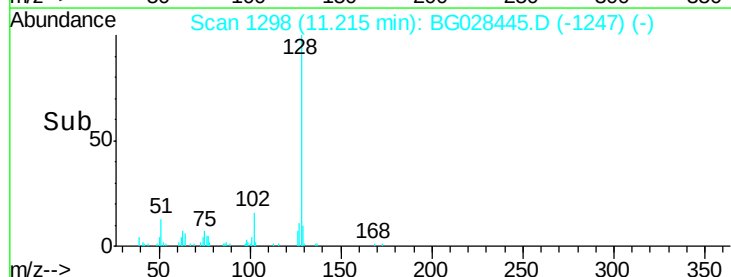
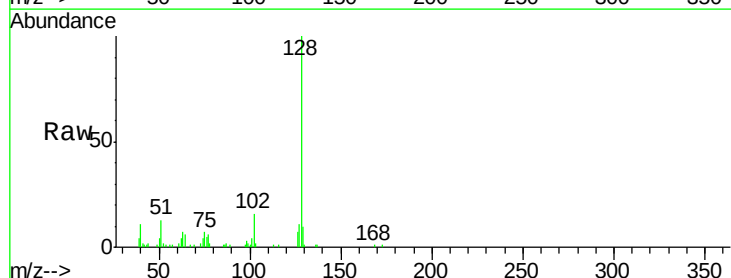
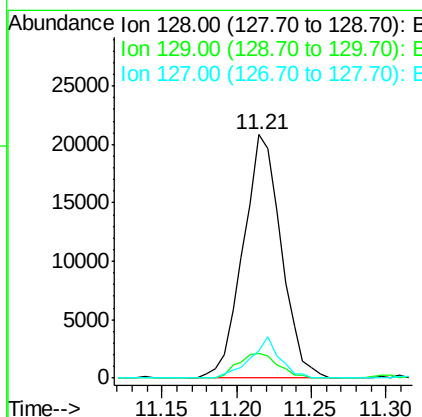
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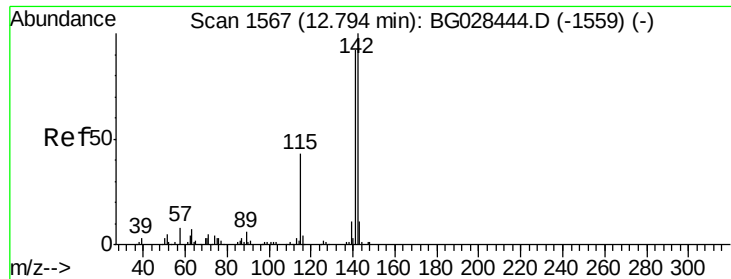
Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Tgt Ion:	128	Resp:	36835
Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.4	14.2
127	11.3	10.3	15.5





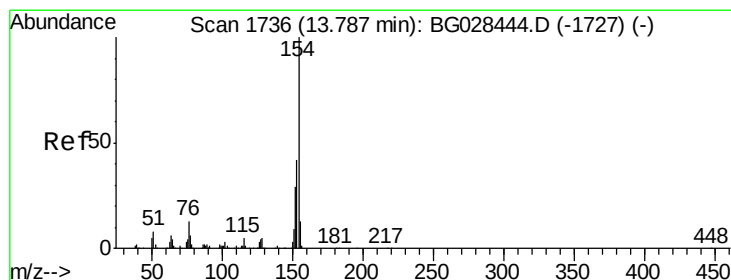
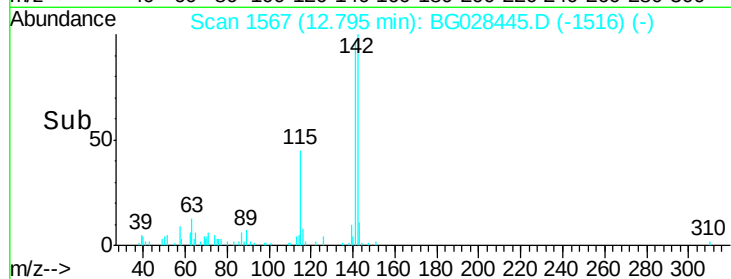
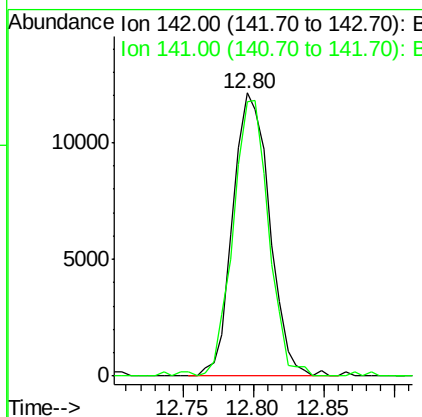
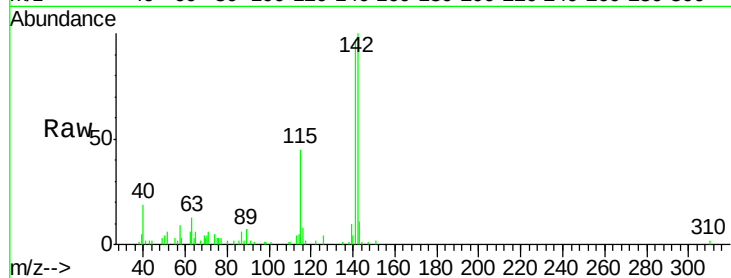
#34
 2-Methylnaphthalene
 Concen: 3.377 ng/ul
 RT: 12.80 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BG028445.D
 Acq: 23 Aug 2017 11:28

Instrument :
 BNA_G
 ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.1	68.6	102.8

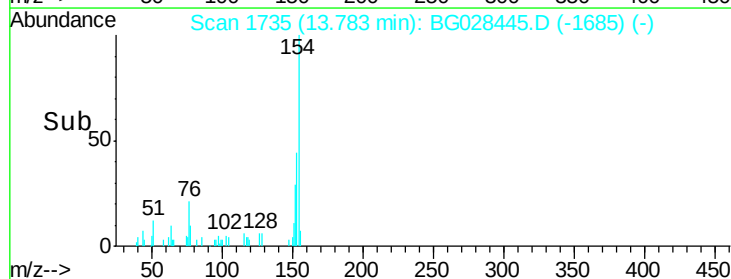
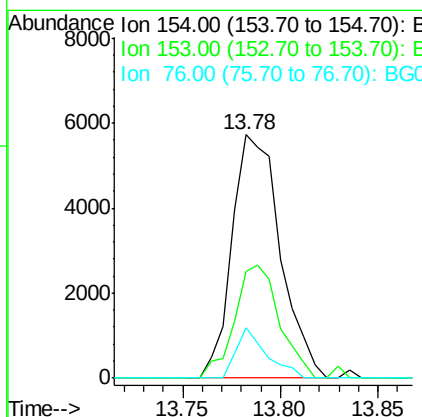
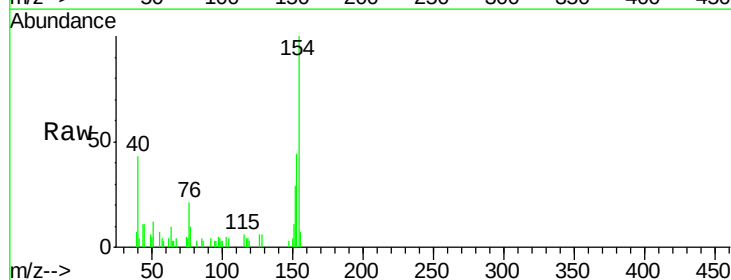
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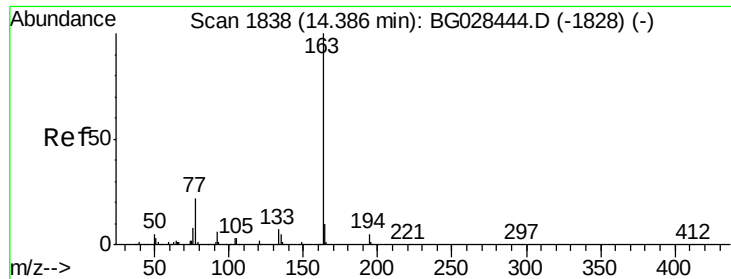
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#40
 1,1'-Biphenyl
 Concen: 1.243 ng/ul
 RT: 13.78 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG028445.D
 Acq: 23 Aug 2017 11:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.8	32.2	48.2
76	20.5	9.6	14.4





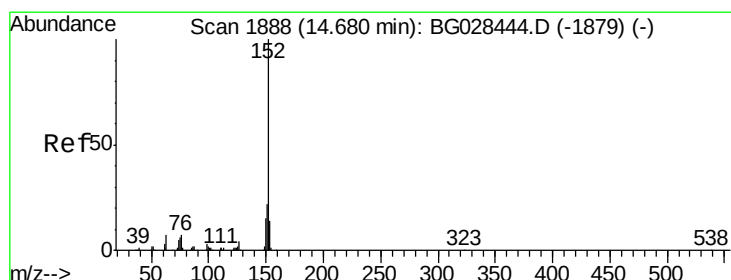
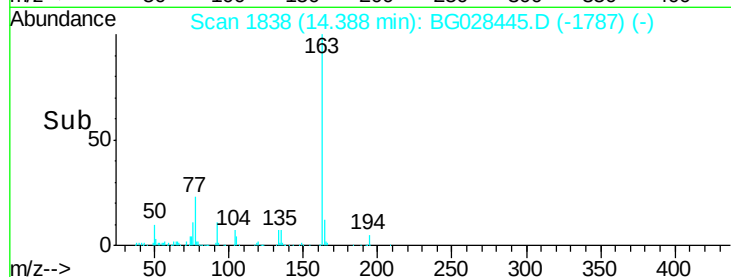
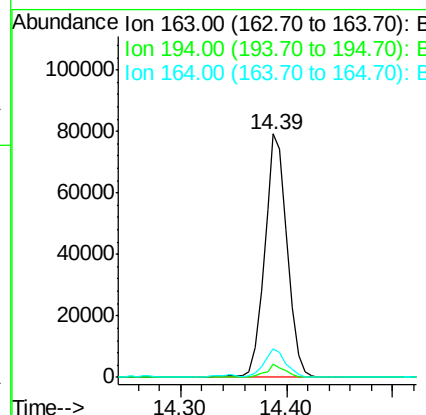
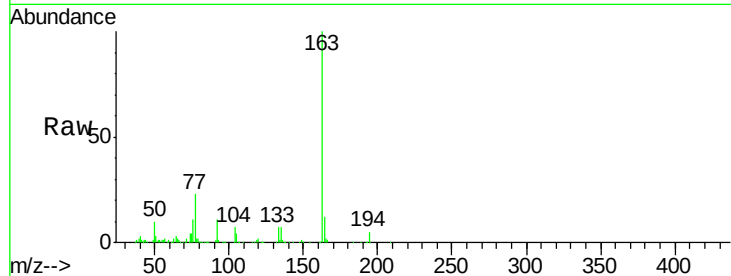
#44
Dimethylphthalate
Concen: 13.238 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Instrument :
BNA_G
ClientSampled :
B0AB6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	116762		
194	5.3	3.4	5.0#	
164	11.9	9.0	13.4	

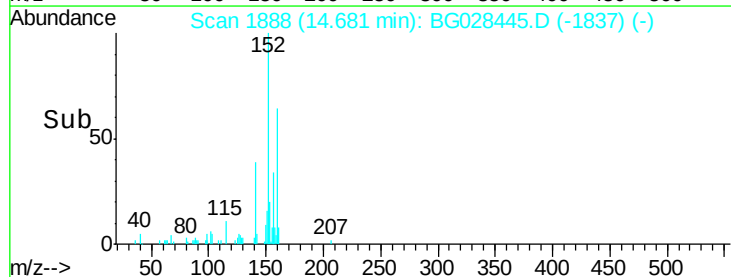
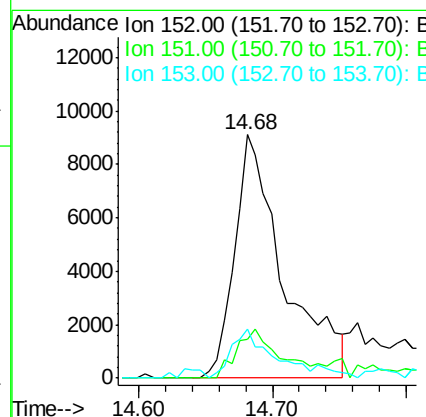
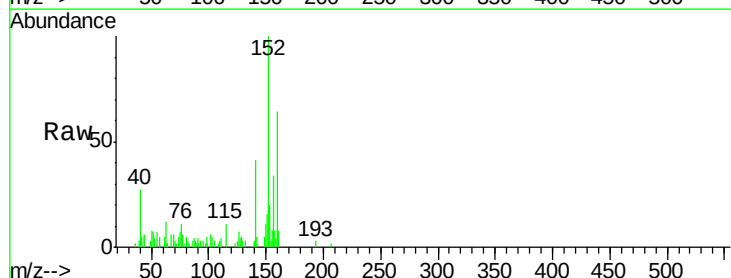
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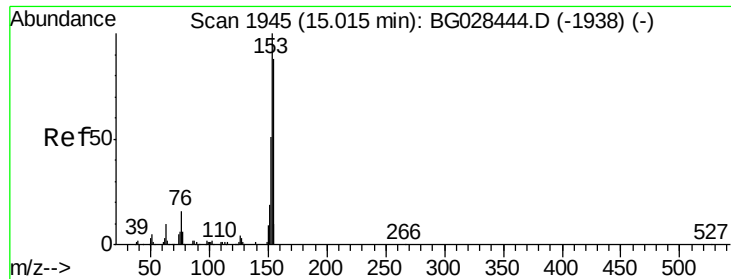
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#47
Acenaphthylene
Concen: 2.248 ng/ul
RT: 14.68 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	23200		
151	16.2	16.7	25.1#	
153	20.0	11.4	17.2#	





#49

Acenaphthene

Concen: 6.748 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

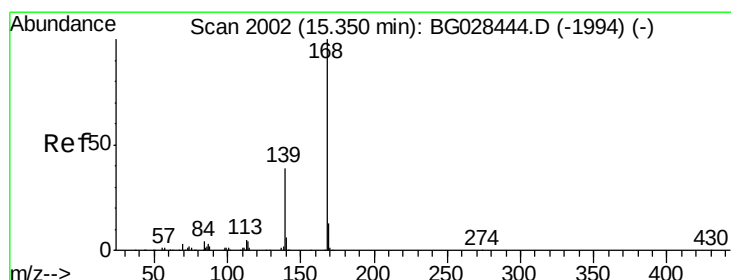
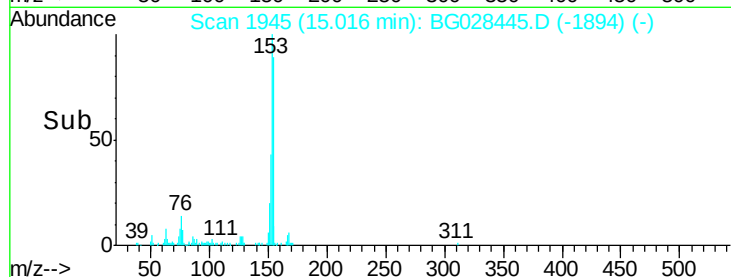
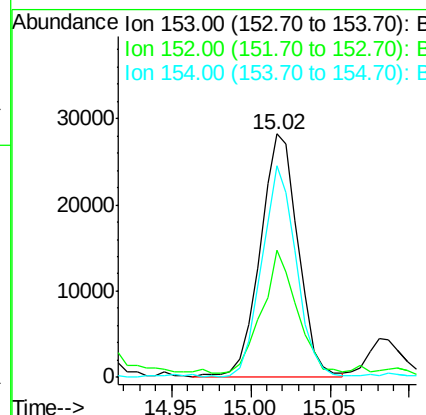
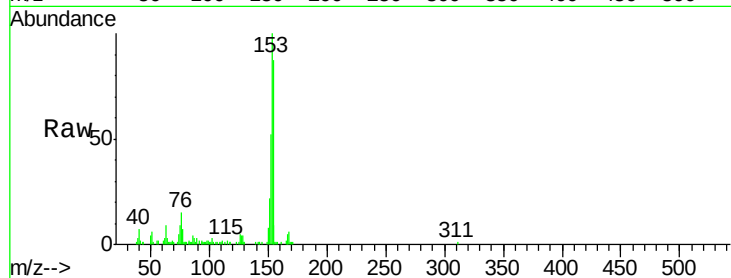
ClientSampleId :

B0AB6

Tgt Ion:	153	Resp:	46992
Ion Ratio	Lower	Upper	
153	100		
152	52.4	36.5	54.7
154	86.9	72.3	108.5

Manual Integrations
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#53

Dibenzofuran

Concen: 5.082 ng/ul

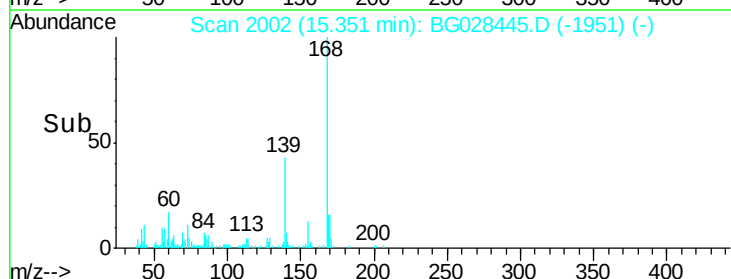
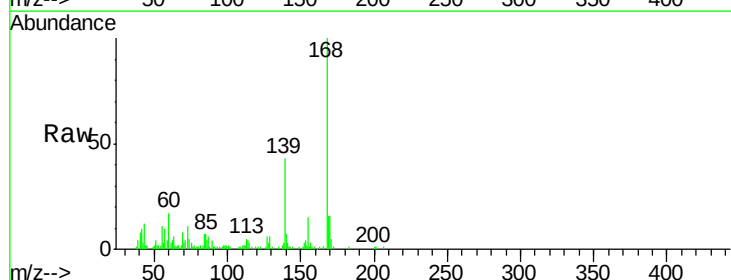
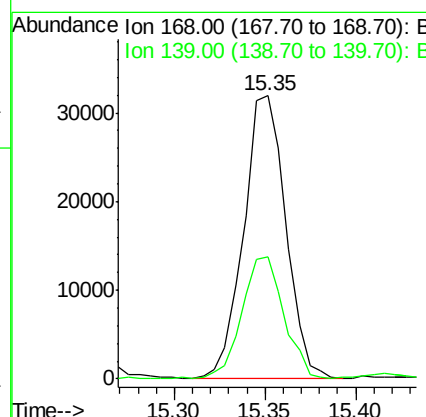
RT: 15.35 min Scan# 2002

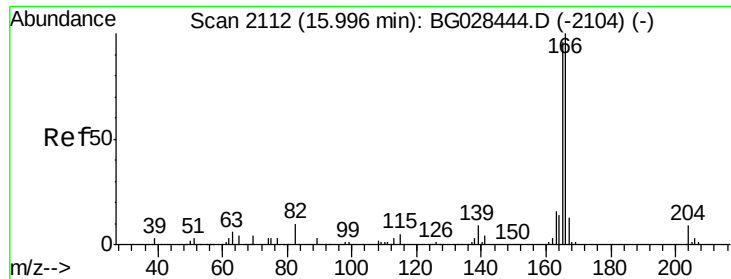
Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Tgt Ion:	168	Resp:	51604
Ion Ratio	Lower	Upper	
168	100		
139	42.9	33.8	50.8





#58

Fluorene

Concen: 6.264 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

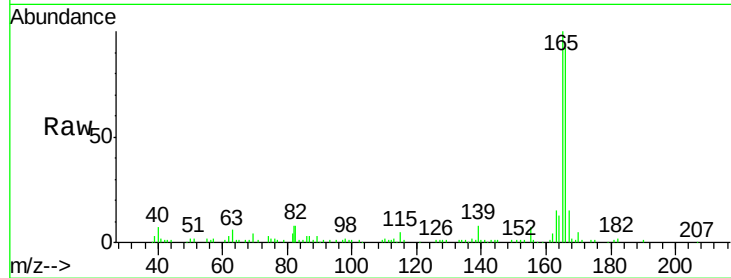
ClientSampleId :

B0AB6

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.2	79.7	119.5
167	15.9	11.4	17.2

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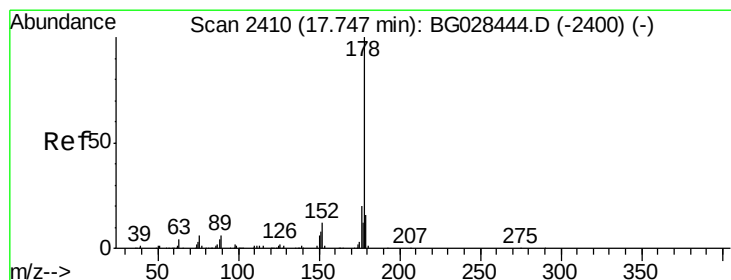
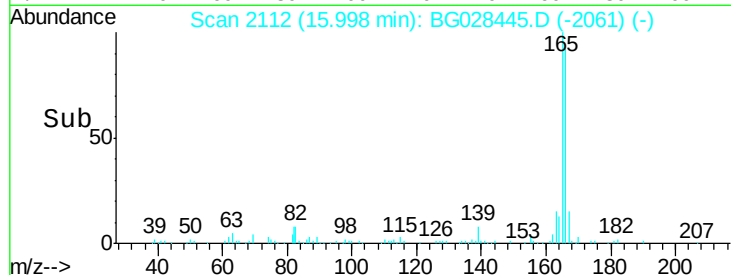
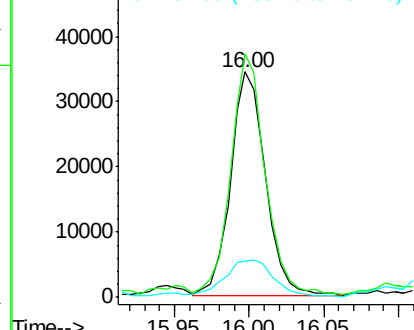


Abundance

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: 97.456 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

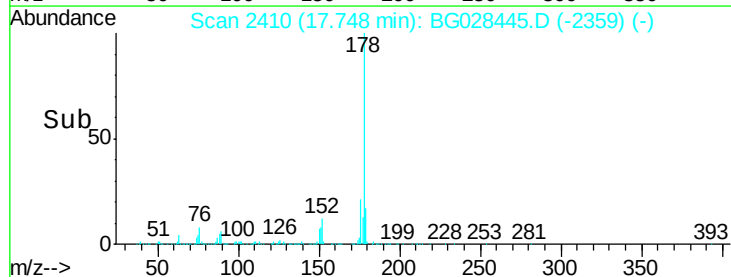
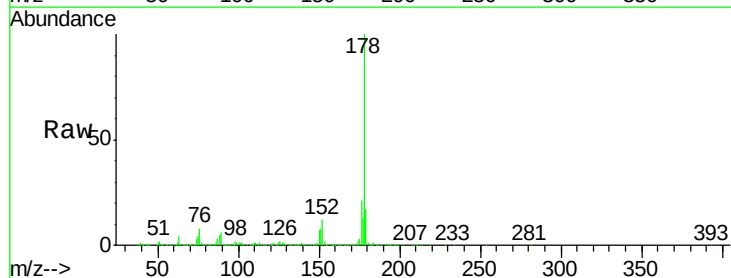
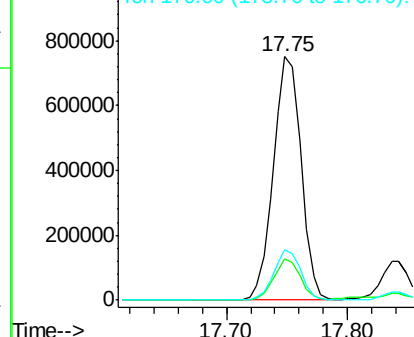
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.4	18.6
176	20.7	16.5	24.7

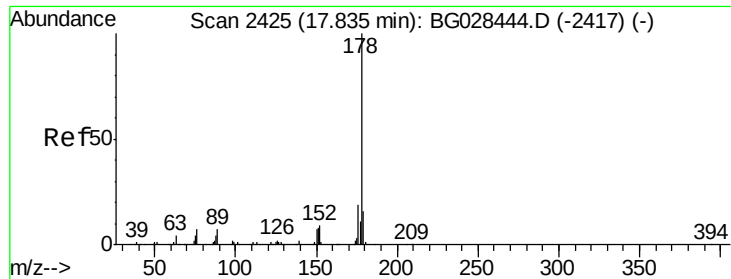
Abundance

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





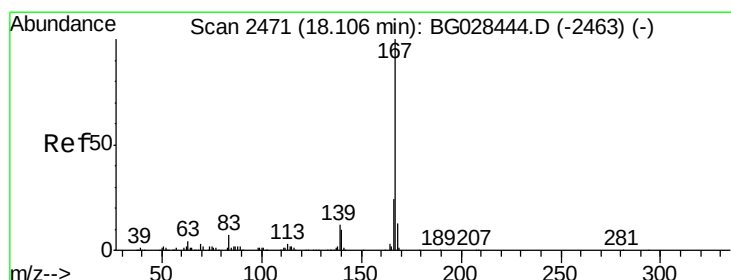
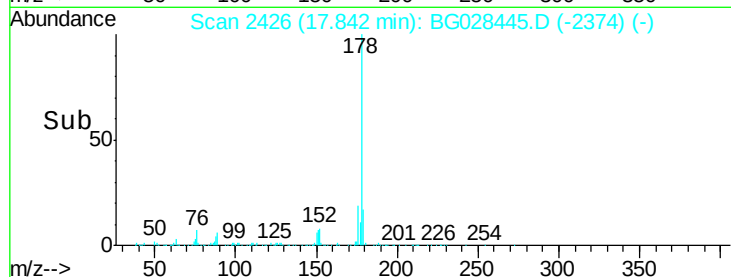
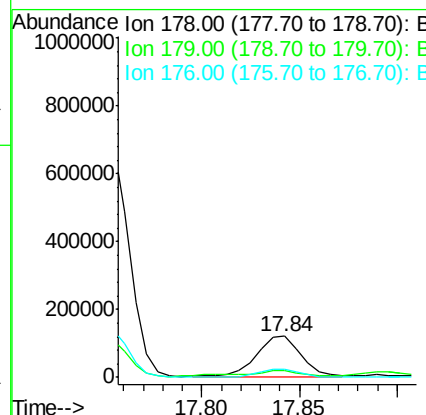
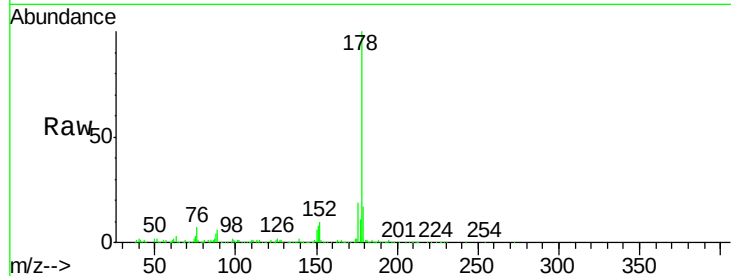
#71
 Anthracene
 Concen: 15.608 ng/ul
 RT: 17.84 min Scan# 2426
 Delta R.T. 0.01 min
 Lab File: BG028445.D
 Acq: 23 Aug 2017 11:28

Instrument :
 BNA_G
 ClientSampleId :
 B0AB6

Tgt Ion:	178	Resp:	193715
Ion Ratio		Lower	Upper
178	100		
179	17.1	12.6	19.0
176	19.2	15.9	23.9

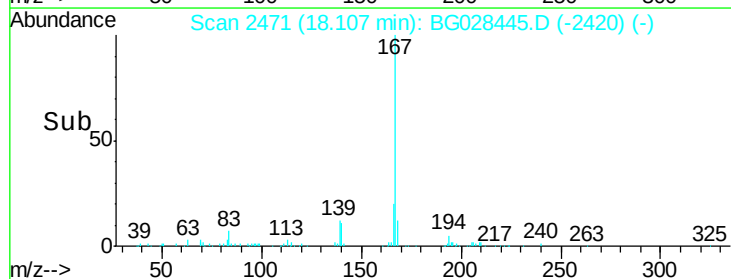
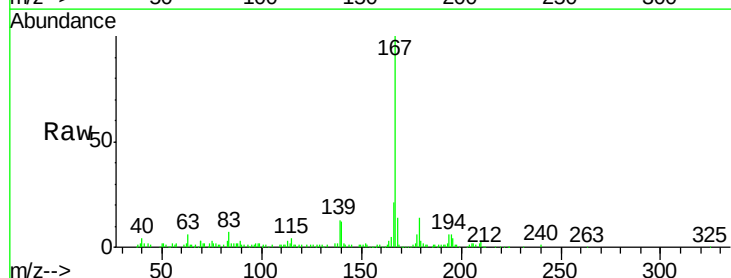
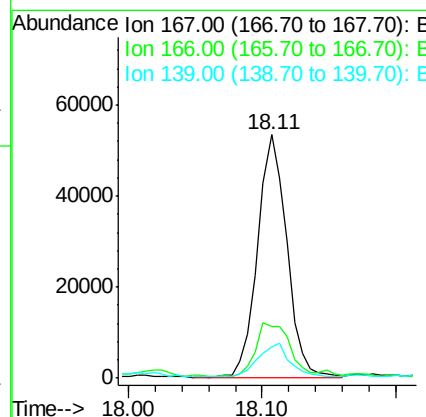
Manual Integrations
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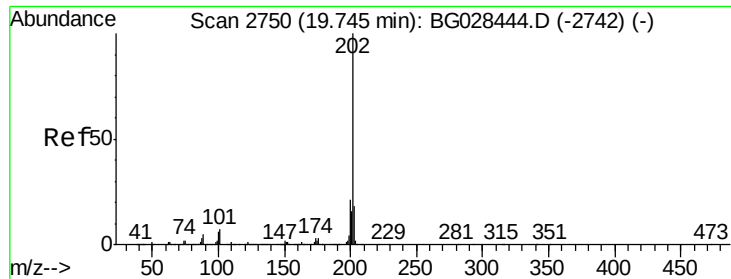
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#72
 Carbazole
 Concen: 7.453 ng/ul
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BG028445.D
 Acq: 23 Aug 2017 11:28

Tgt Ion:	167	Resp:	80450
Ion Ratio		Lower	Upper
167	100		
166	21.0	17.9	26.9
139	12.8	10.5	15.7





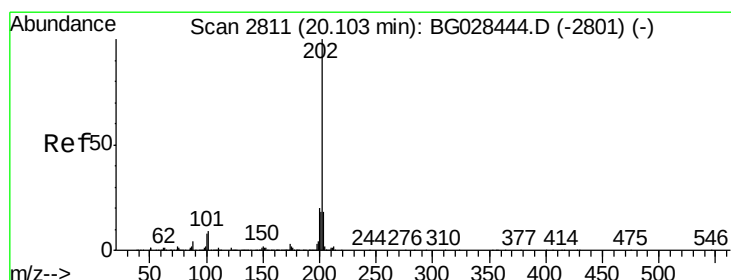
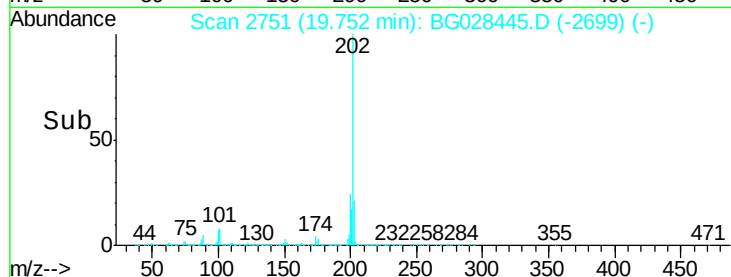
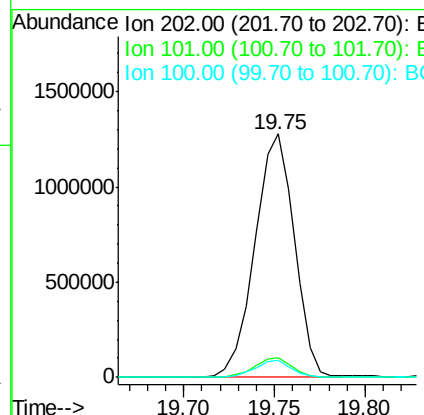
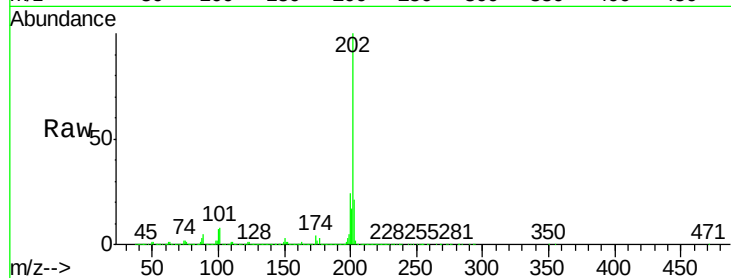
#74
Fluoranthene
Concen: 130.543 ng/ul
RT: 19.75 min Scan# 2751
Delta R.T. 0.01 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Instrument :
BNA_G
ClientSampleId :
B0AB6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1926558		
101	8.2		6.2	9.2
100	6.9		5.2	7.8

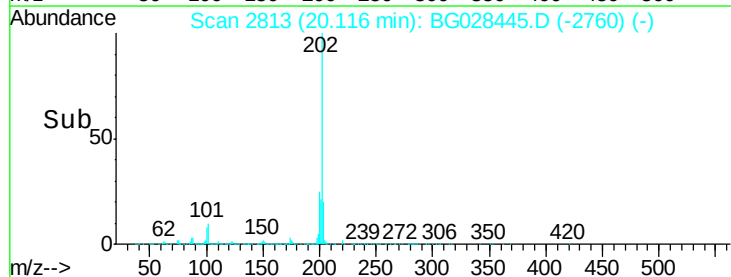
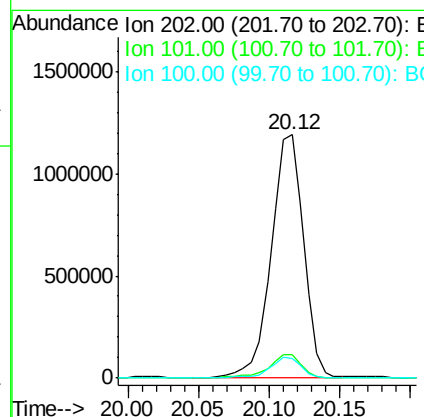
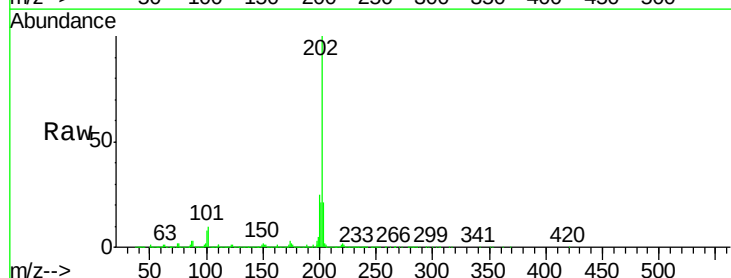
Manual Integrations
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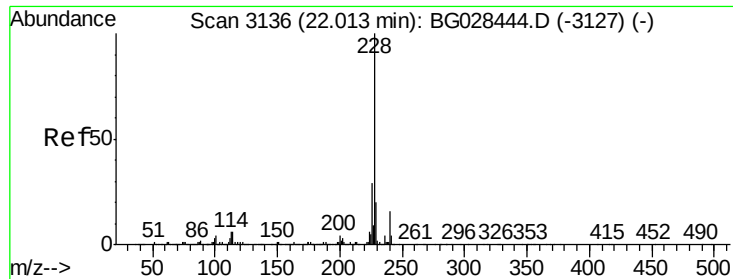
Sohil
8/24/2017 4:38:21 PM



#77
Pyrene
Concen: 111.293 ng/ul
RT: 20.12 min Scan# 2813
Delta R.T. 0.01 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1913558		
101	9.9		6.9	10.3
100	8.2		6.6	10.0





#80

Benzo(a)anthracene

Concen: 61.412 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

ClientSampleId :

B0AB6

Tgt Ion:228 Resp: 1022603

Ion Ratio Lower Upper

228 100

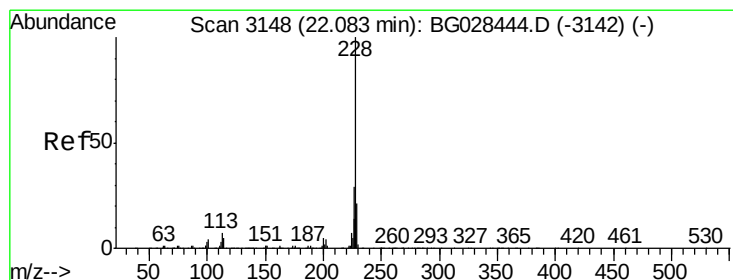
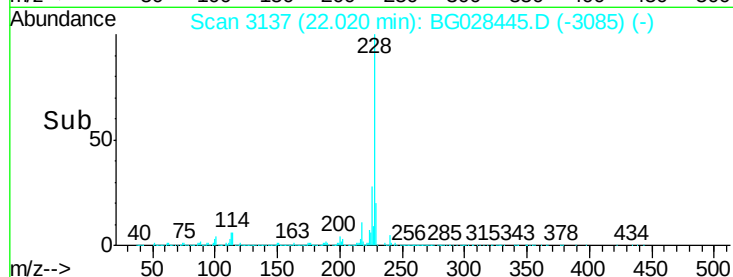
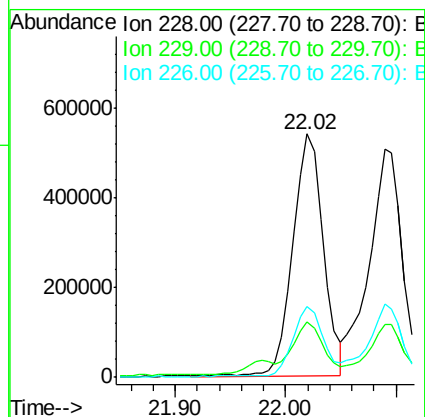
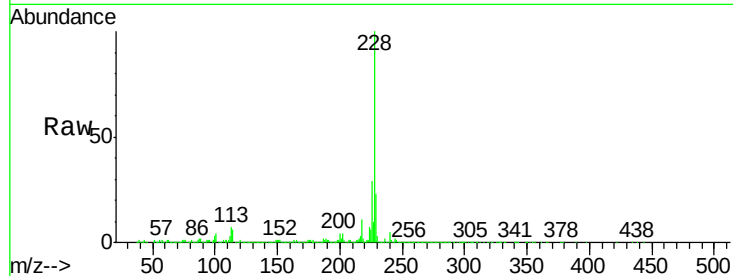
229 22.7 16.3 24.5

226 28.9 21.9 32.9

Manual Integrations
APPROVED

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#82

Chrysene

Concen: 70.396 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

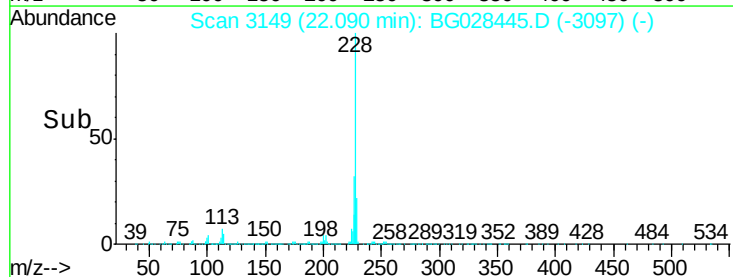
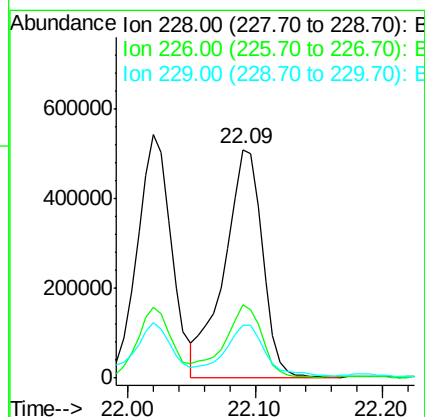
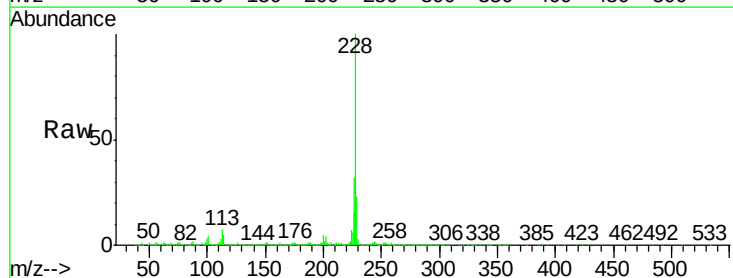
Tgt Ion:228 Resp: 1055698

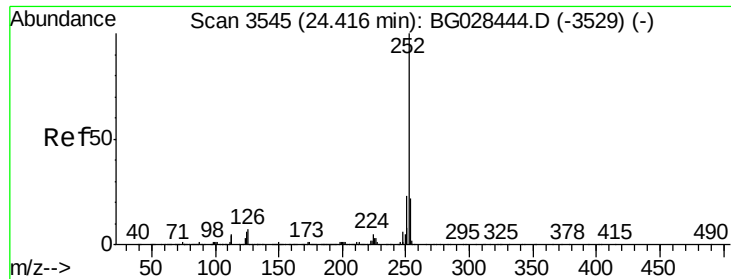
Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

229 23.3 16.9 25.3





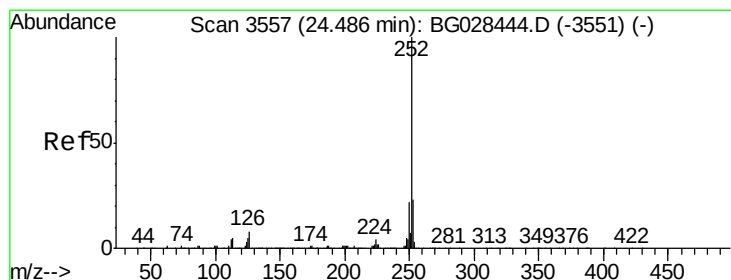
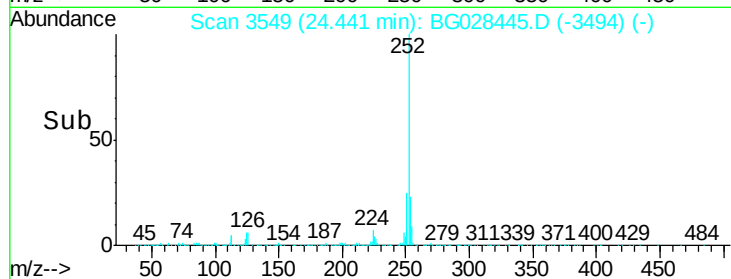
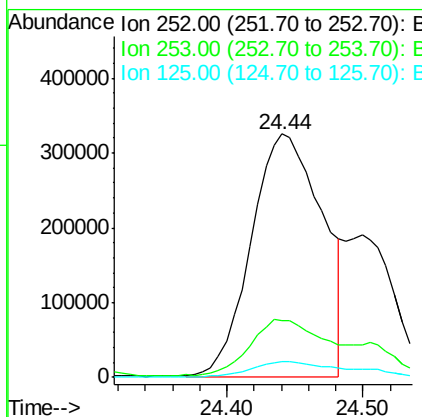
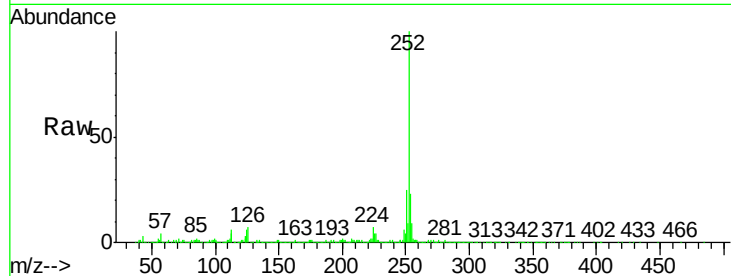
#85
Benzo(b)fluoranthene
Concen: 74.339 ng/ul m
RT: 24.44 min Scan# 3549
Delta R.T. 0.02 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Instrument :
BNA_G
ClientSampled :
B0AB6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	6.5	4.0	6.0

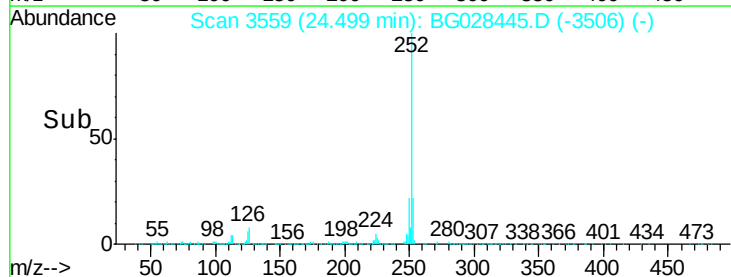
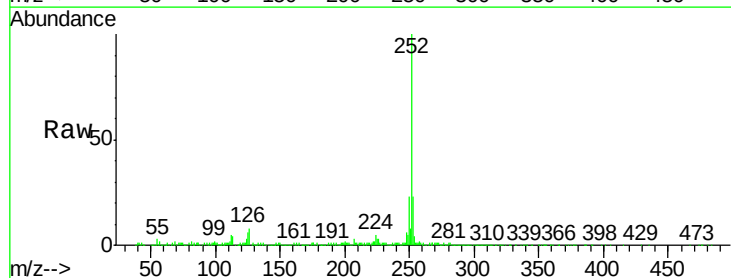
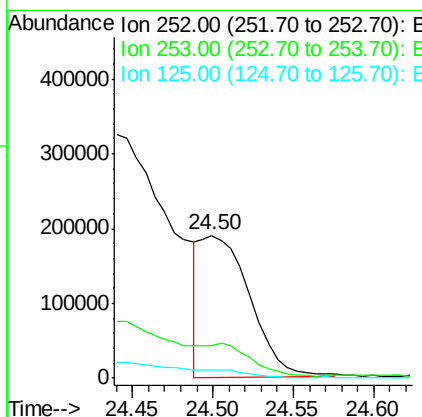
Manual Integrations
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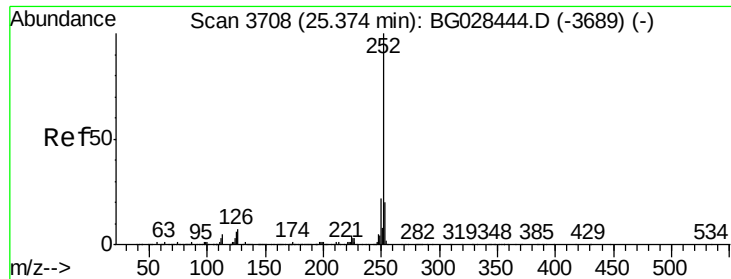
Sohil
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#86
Benzo(k)fluoranthene
Concen: 26.347 ng/ul m
RT: 24.50 min Scan# 3559
Delta R.T. 0.01 min
Lab File: BG028445.D
Acq: 23 Aug 2017 11:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	5.9	4.1	6.1





#88

Benzo(a)pyrene

Concen: 58.994 ng/ul m

RT: 25.39 min Scan# 3711

Delta R.T. 0.02 min

Lab File: BG028445.D

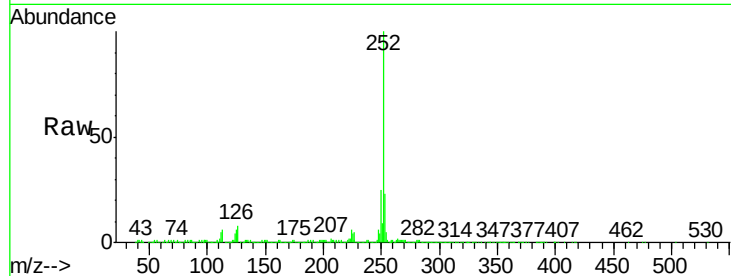
Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

ClientSampleId :

B0AB6



Tgt Ion: 252 Resp: 909971

Ion Ratio Lower Upper

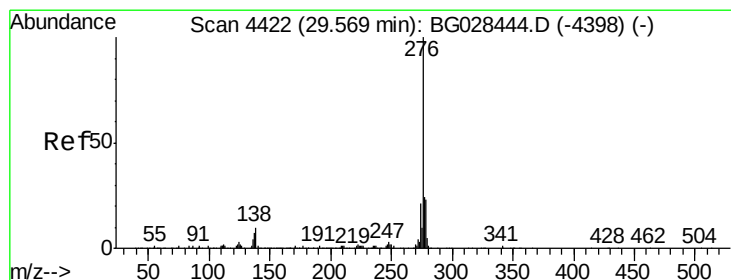
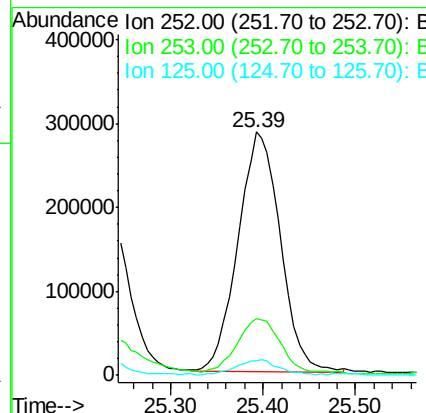
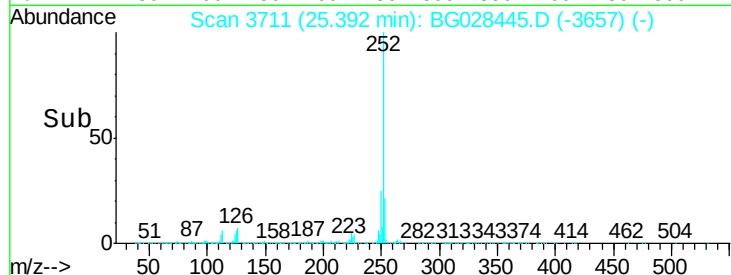
252 100

253 23.5 17.8 26.6

125 6.0 5.4 8.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 26.665 ng/ul m

RT: 29.59 min Scan# 4426

Delta R.T. 0.02 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

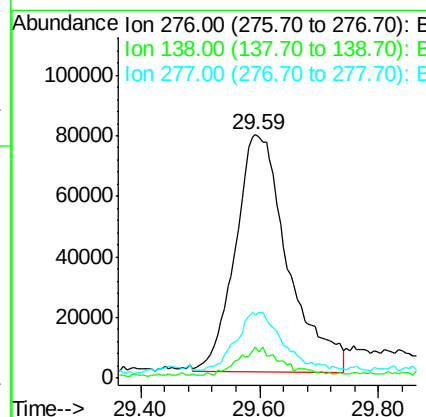
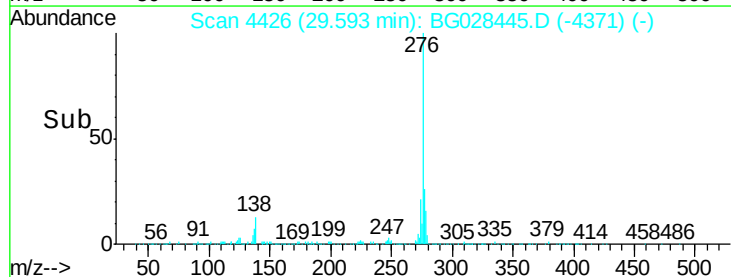
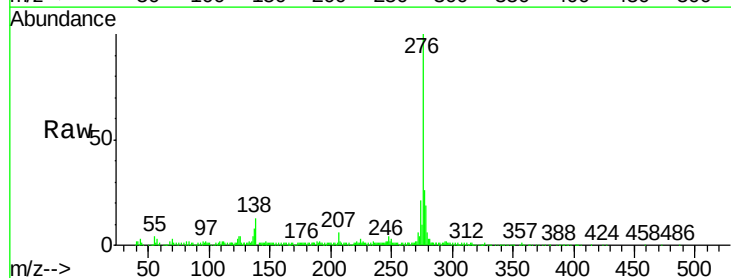
Tgt Ion: 276 Resp: 481650

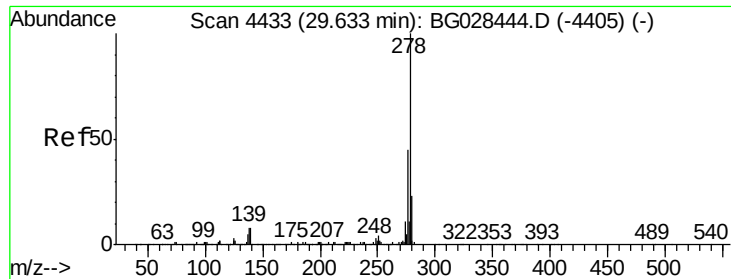
Ion Ratio Lower Upper

276 100

138 12.9 8.2 12.4#

277 26.1 18.6 28.0





#90

Dibenzo(a,h)anthracene

Concen: 8.120 ng/ul m

RT: 29.63 min Scan# 4433

Delta R.T. 0.00 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Instrument :

BNA_G

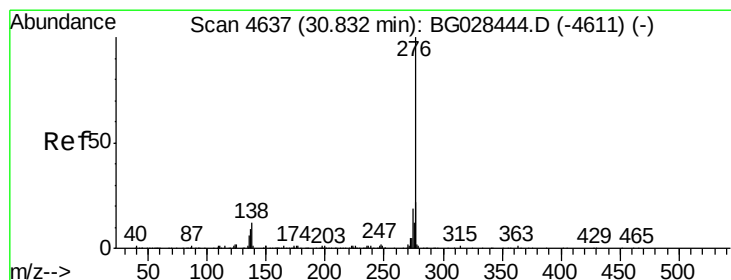
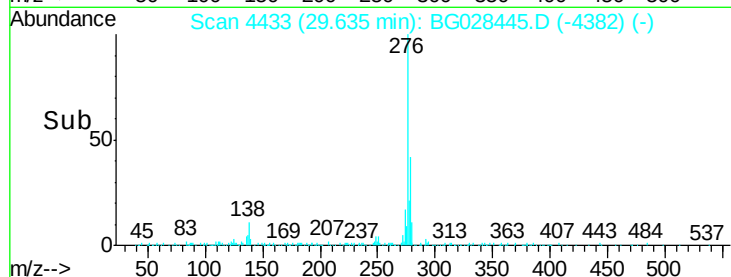
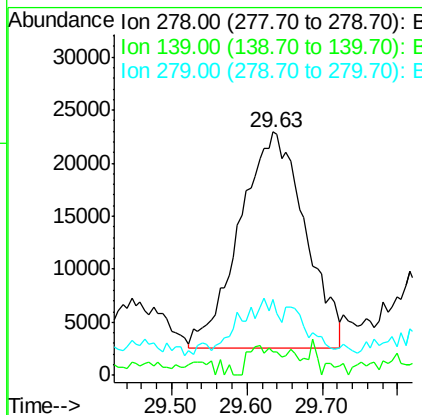
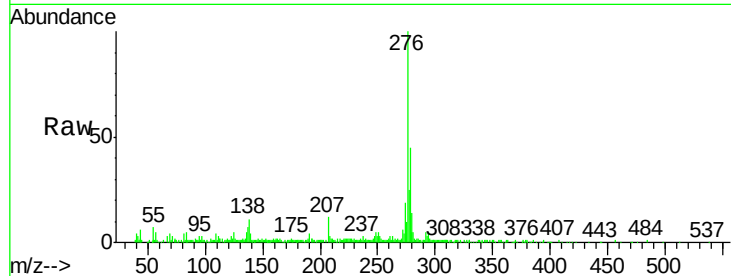
ClientSampleId :

B0AB6

Tgt Ion:	278	Resp:	122935
Ion Ratio	Lower	Upper	
278	100		
139	9.9	6.7	10.1
279	31.4	20.9	31.3#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 23.869 ng/ul m

RT: 30.86 min Scan# 4642

Delta R.T. 0.03 min

Lab File: BG028445.D

Acq: 23 Aug 2017 11:28

Tgt Ion:	276	Resp:	354691
Ion Ratio	Lower	Upper	
276	100		
138	12.0	8.6	12.8
277	22.8	17.6	26.4

