

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
 Data File : BG028447.D
 Acq On : 23 Aug 2017 12:47
 Operator : SJ/JU
 Sample : I4827-05DL 30X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 B0AB4DL

Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:25 PM

Quant Time: Aug 24 13:34:25 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	41046	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	185727	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	130784	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	279690m	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	322990	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	315114	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	62	0.07	ng/uL	0.00
5) Phenol-d5	7.51	99	3212	0.71	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.67	67	1843	0.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	2929	1.03	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	2664	0.71	ng/ul	0.01
19) Nitrobenzene-d5	9.52	128	1306	0.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	1129	0.71	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.79	165	3433	1.04	ng/ul	0.01
29) 4-Chloroaniline-d4	11.30	131	2787	0.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	10900	0.94	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	12555	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	15.19	143	226	0.12	ng/ul	0.04
57) Fluorene-d10	15.94	176	10397	1.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	76	0.04	ng/ul	0.02
70) Anthracene-d10	17.81	188	15346	1.14	ng/ul	0.00
76) Pyrene-d10	20.08	212	17925	1.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	16828	1.14	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	11.21	128	56915	6.187	ng/ul	99
34) 2-Methylnaphthalene	12.80	142	29488	3.991	ng/ul	94
40) 1,1'-Biphenyl	13.79	154	11967	1.253	ng/ul	93
47) Acenaphthylene	14.68	152	20464	1.633	ng/ul#	90
49) Acenaphthene	15.02	153	70466	8.333	ng/ul	94
53) Dibenzofuran	15.34	168	94096	7.632	ng/ul	96
58) Fluorene	16.00	166	136314	12.488	ng/ul	99
69) Phenanthrene	17.75	178	1483221m	105.376	ng/ul	
71) Anthracene	17.84	178	322858	22.443	ng/ul	97
72) Carbazole	18.11	167	94505	7.554	ng/ul	96
74) Fluoranthene	19.75	202	1625335	95.015	ng/ul	99
77) Pyrene	20.11	202	1437254	74.586	ng/ul	98
80) Benzo(a)anthracene	22.02	228	715170	38.322	ng/ul	99
82) Chrysene	22.09	228	616743	36.695	ng/ul	99
85) Benzo(b)fluoranthene	24.43	252	704600	37.366	ng/ul#	99
86) Benzo(k)fluoranthene	24.49	252	260677m	14.152	ng/ul	
88) Benzo(a)pyrene	25.38	252	568834	31.156	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.57	276	282059	13.192	ng/ul	96
90) Dibenzo(a,h)anthracene	29.62	278	72907	4.068	ng/ul	98
91) Benzo(g,h,i)perylene	30.84	276	233779	13.291	ng/ul	94

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

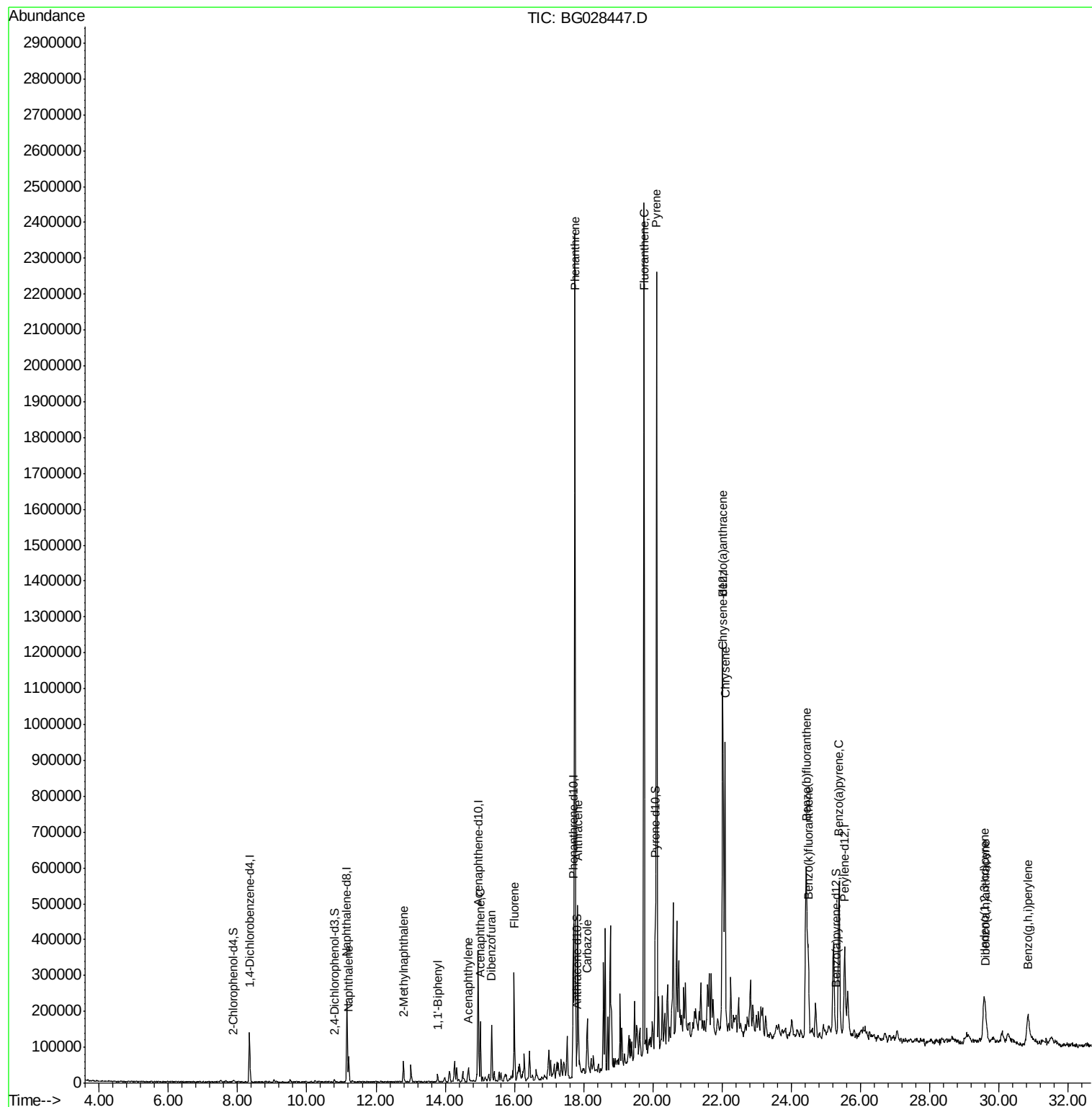
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

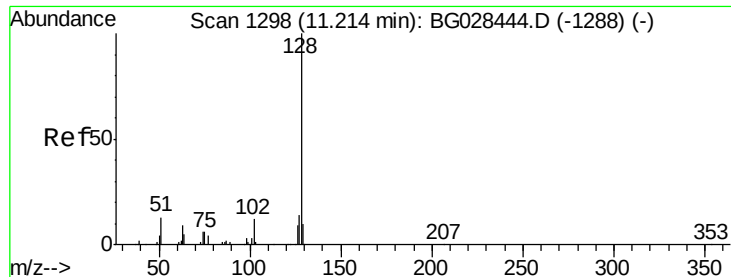
Instrument :
BNA_G
ClientSampleId :
B0AB4DL

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Quant Time: Aug 24 13:34:25 2017
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Quant Title : SVOA CALIBRATION
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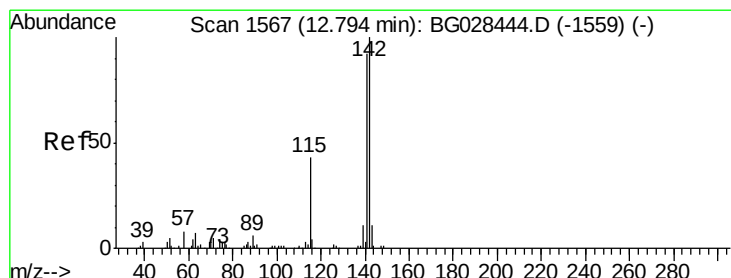
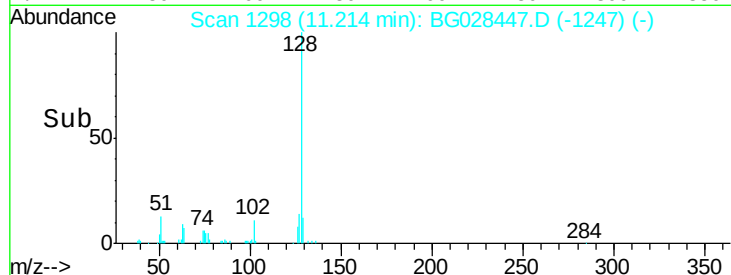
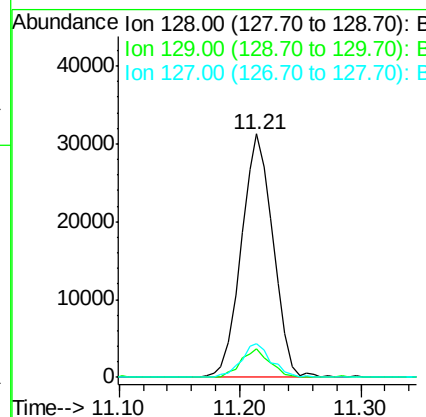
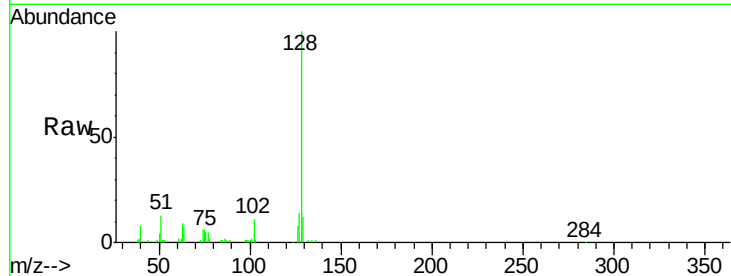
#28
Naphthalene
Concen: 6.187 ng/ul
RT: 11.21 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG028447.D
Acq: 23 Aug 2017 12:47

Instrument :
BNA_G
ClientSampleId :
B0AB4DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	56915		
129	11.8		9.4	14.2
127	13.8		10.3	15.5

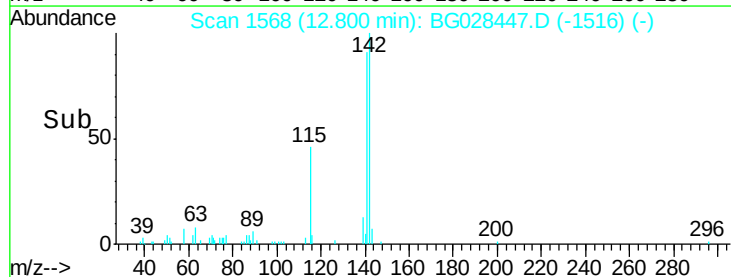
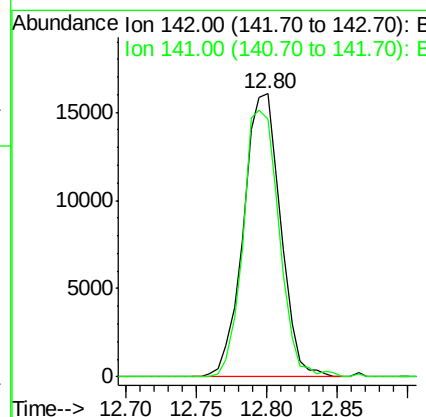
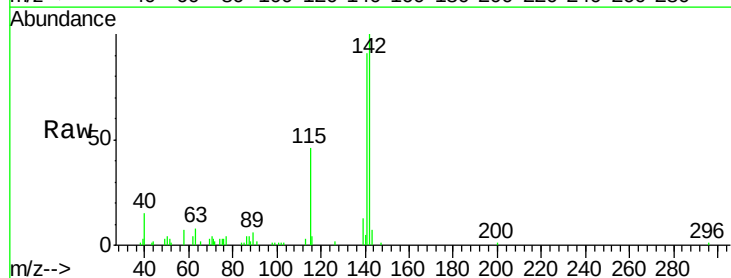
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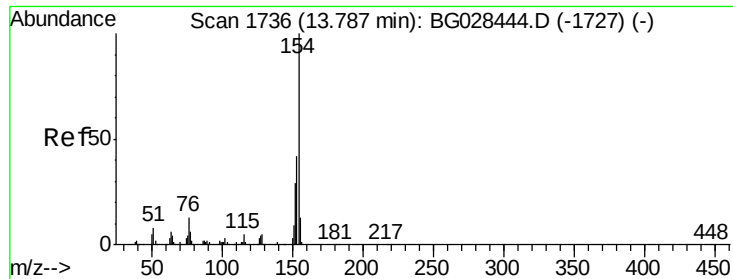
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#34
2-Methylnaphthalene
Concen: 3.991 ng/ul
RT: 12.80 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BG028447.D
Acq: 23 Aug 2017 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	29488		
141	91.1		68.6	102.8





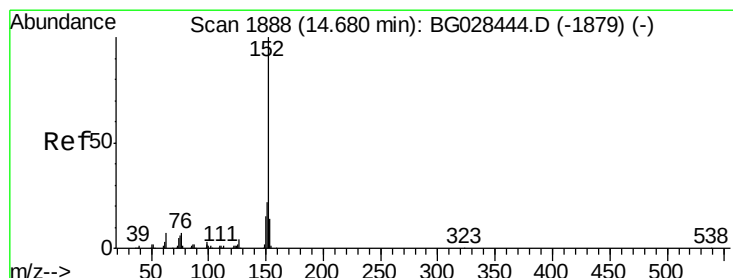
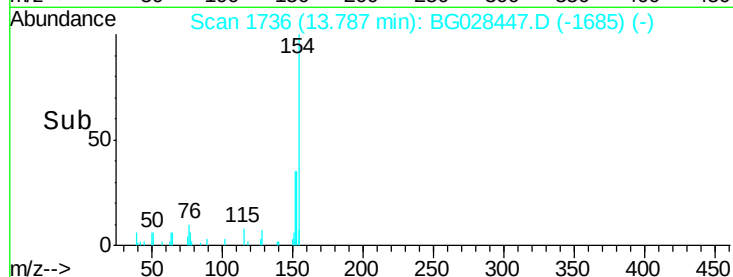
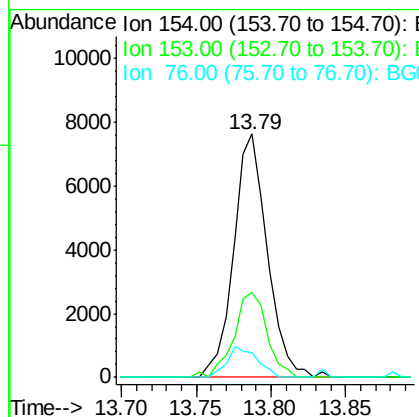
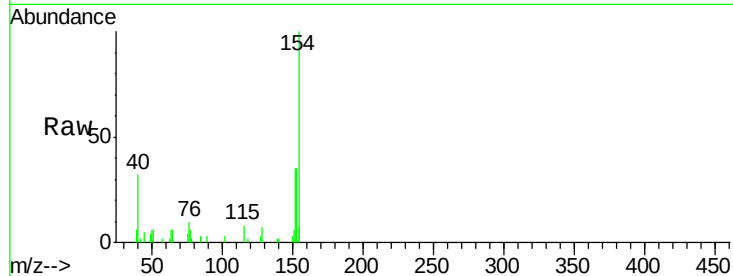
#40
 1,1'-Biphenyl
 Concen: 1.253 ng/ul
 RT: 13.79 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4DL

Tgt Ion:	154	Resp:	11967
Ion Ratio	Lower	Upper	
154	100		
153	35.1	32.2	48.2
76	10.3	9.6	14.4

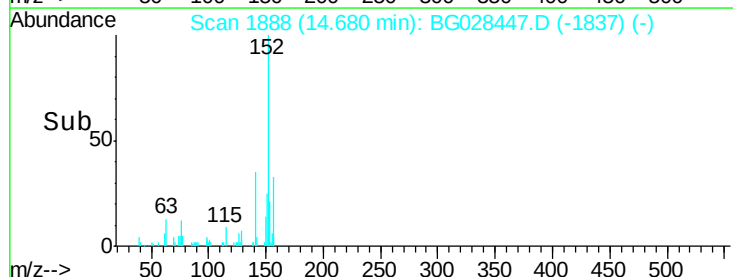
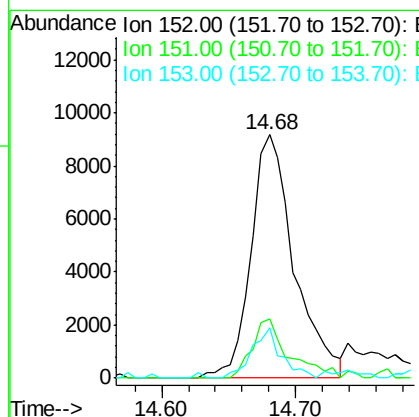
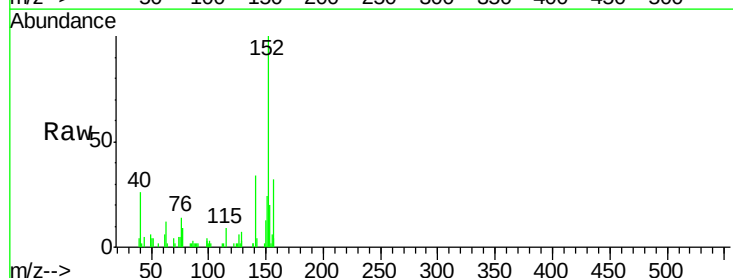
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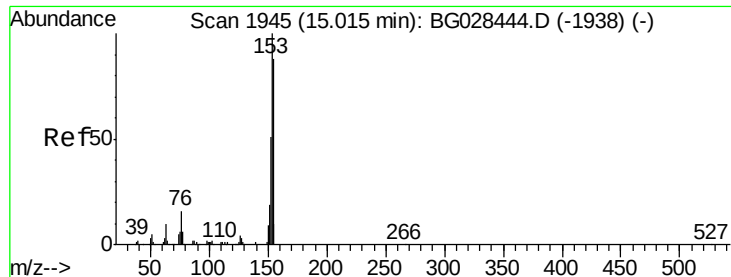
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#47
 Acenaphthylene
 Concen: 1.633 ng/ul
 RT: 14.68 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Tgt Ion:	152	Resp:	20464
Ion Ratio	Lower	Upper	
152	100		
151	24.2	16.7	25.1
153	20.5	11.4	17.2#





#49

Acenaphthene

Concen: 8.333 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Instrument :

BNA_G

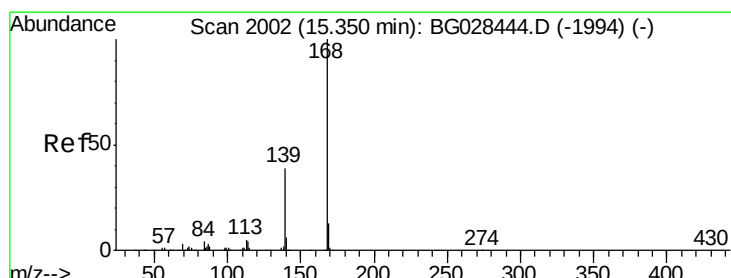
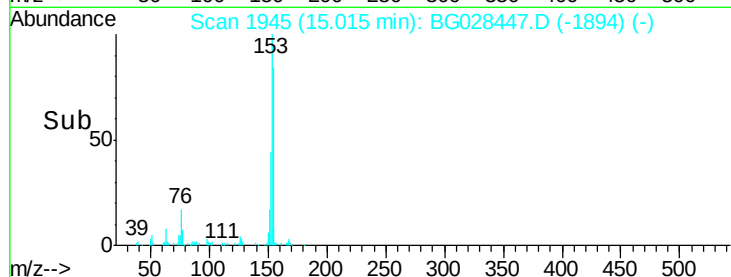
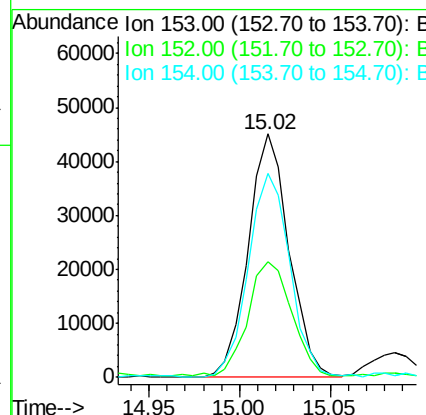
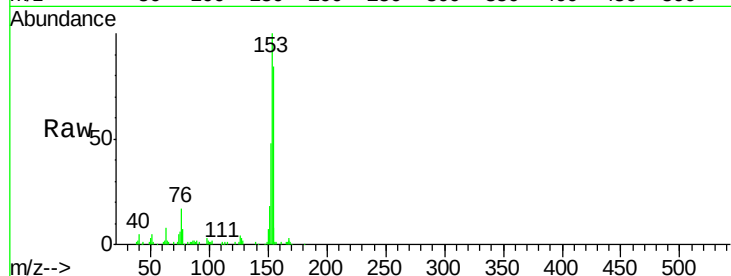
ClientSampleId :

B0AB4DL

Tgt Ion:	153	Resp:	70466
Ion Ratio	Lower	Upper	
153	100		
152	47.7	36.5	54.7
154	84.0	72.3	108.5

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#53

Dibenzofuran

Concen: 7.632 ng/ul

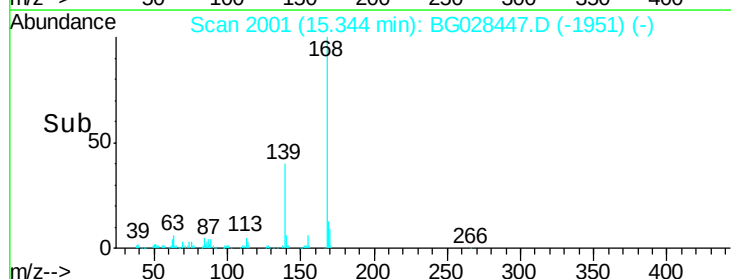
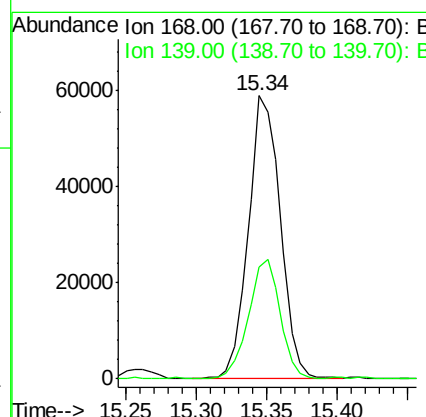
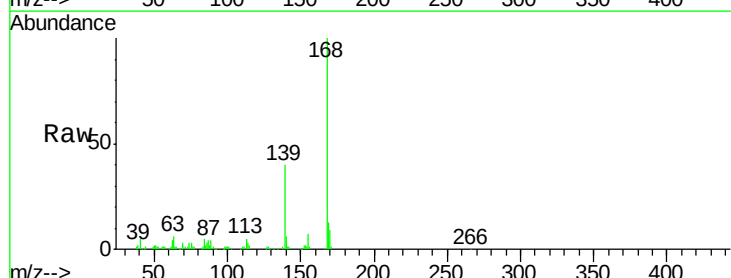
RT: 15.34 min Scan# 2001

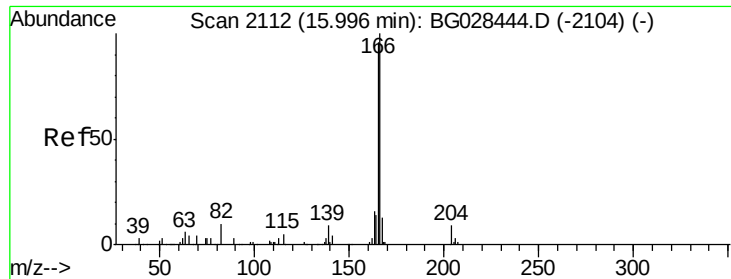
Delta R.T. -0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Tgt Ion:	168	Resp:	94096
Ion Ratio	Lower	Upper	
168	100		
139	39.7	33.8	50.8





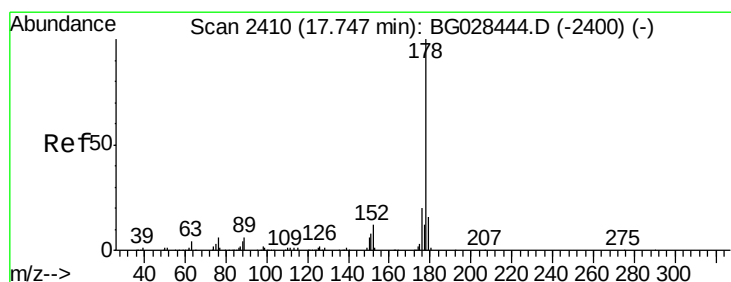
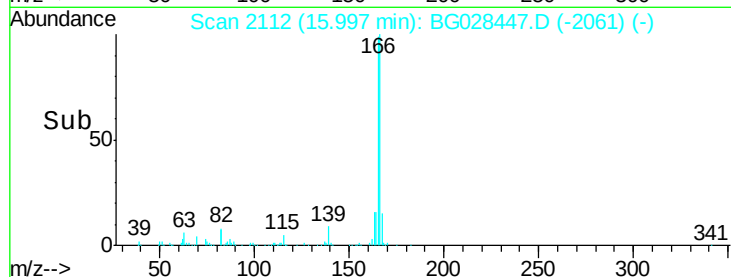
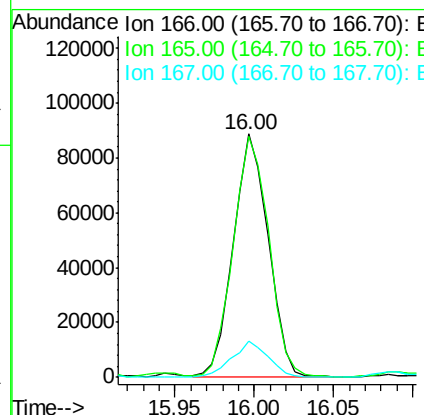
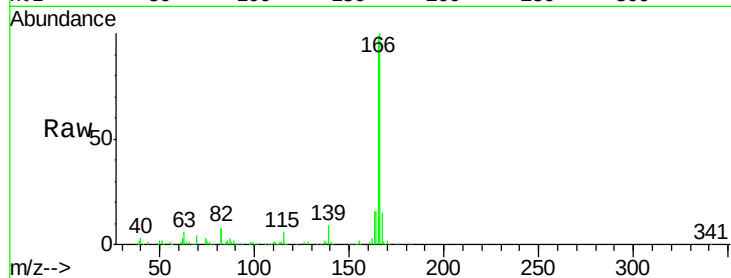
#58
 Fluorene
 Concen: 12.488 ng/ul
 RT: 16.00 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.7	119.5
167	14.6	11.4	17.2

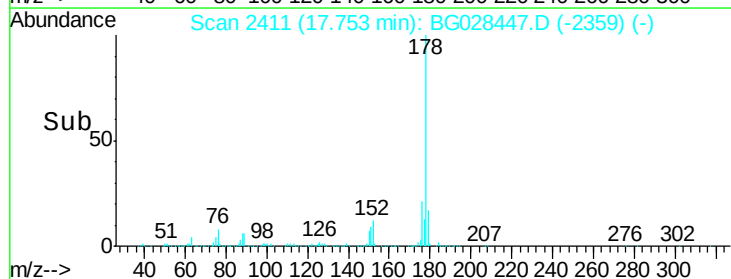
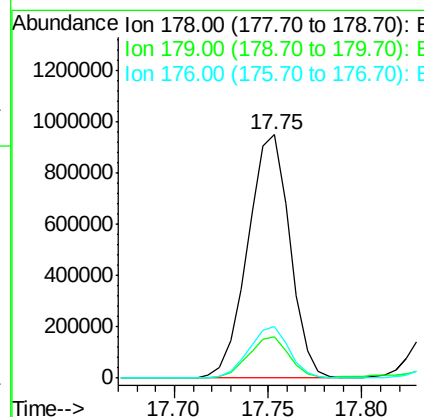
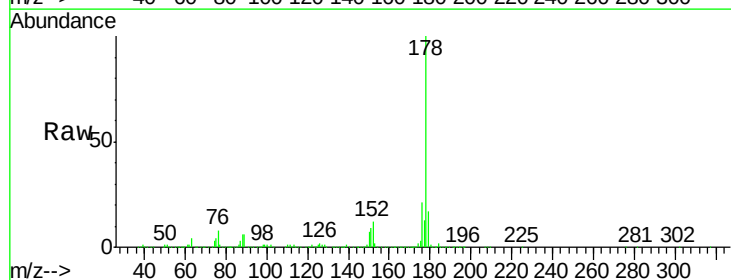
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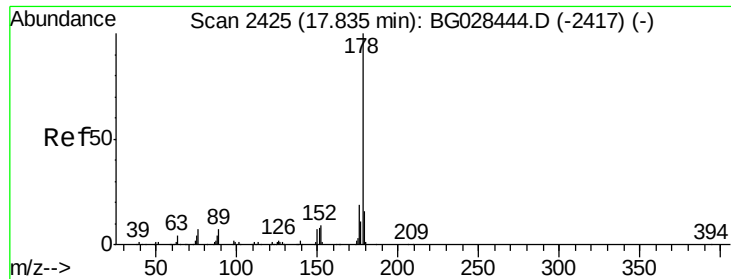
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#69
 Phenanthrene
 Concen: 105.376 ng/ul m
 RT: 17.75 min Scan# 2411
 Delta R.T. 0.01 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.4	18.6
176	21.1	16.5	24.7





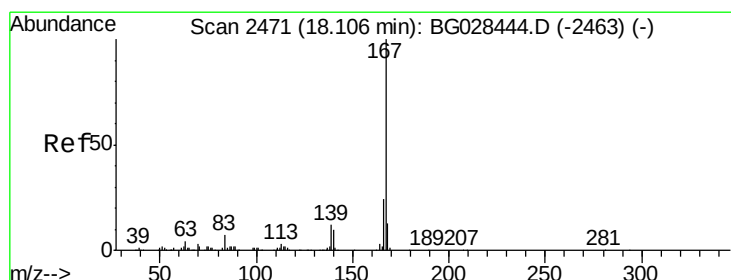
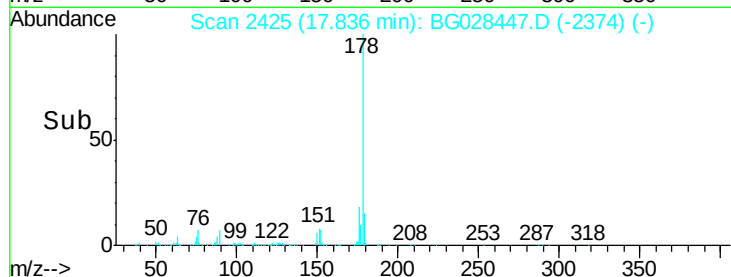
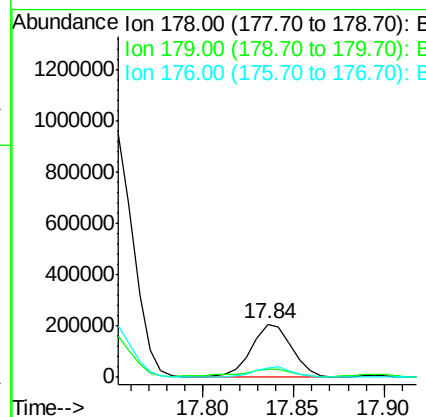
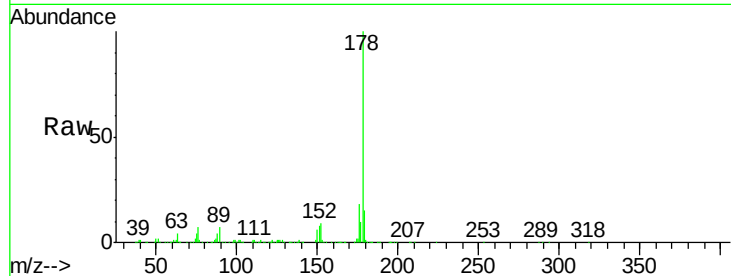
#71
 Anthracene
 Concen: 22.443 ng/ul
 RT: 17.84 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	322858		
179	15.2		12.6	19.0
176	18.1		15.9	23.9

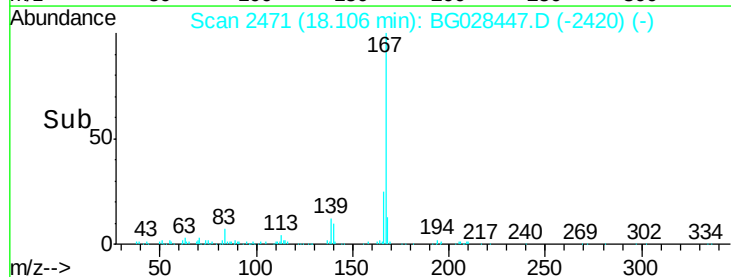
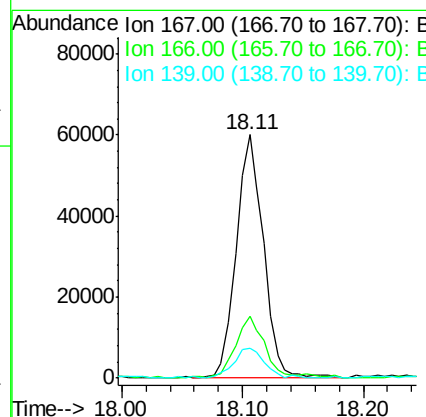
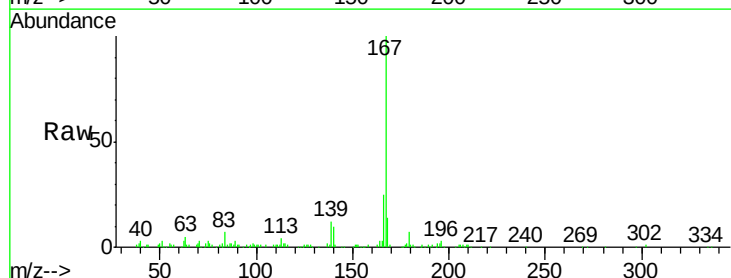
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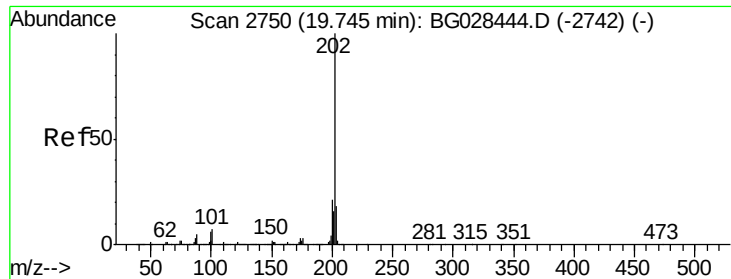
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#72
 Carbazole
 Concen: 7.554 ng/ul
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BG028447.D
 Acq: 23 Aug 2017 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	94505		
166	25.2		17.9	26.9
139	12.3		10.5	15.7





#74

Fluoranthene

Concen: 95.015 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Instrument :

BNA_G

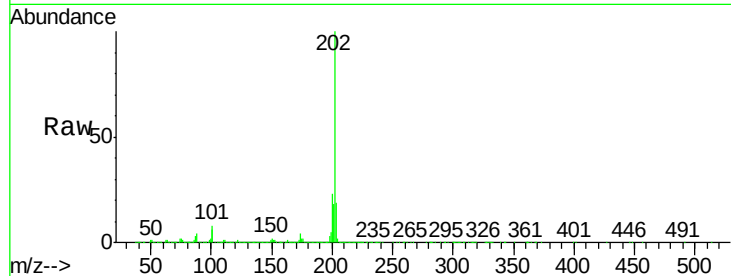
ClientSampleId :

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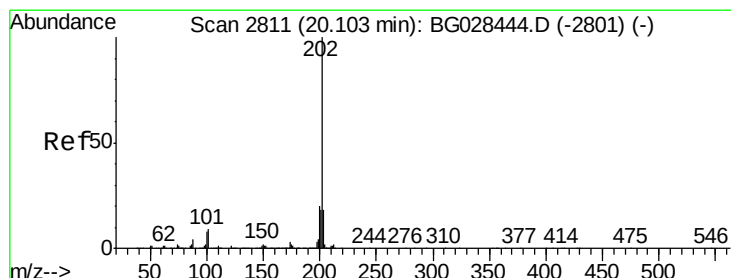
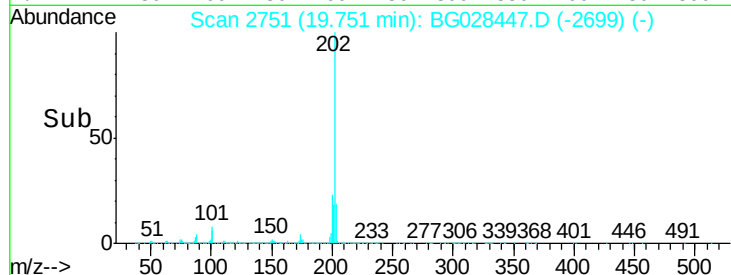
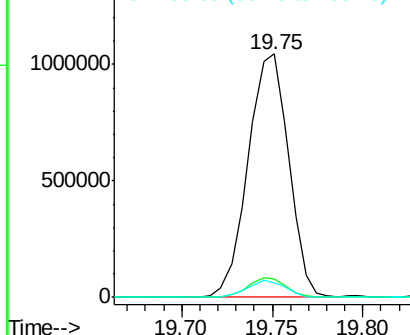
Tgt	Ion:202	Resp: 1625335	
Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	6.0	5.2	7.8

Manual Integrations
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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: 74.586 ng/ul

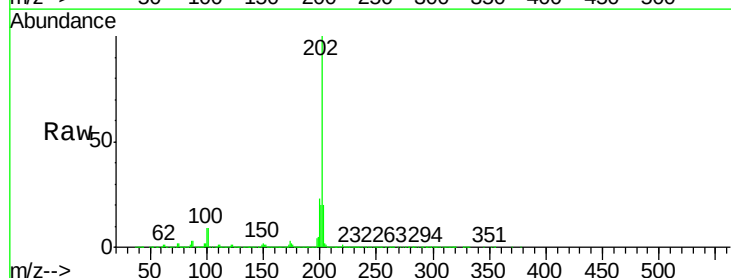
RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

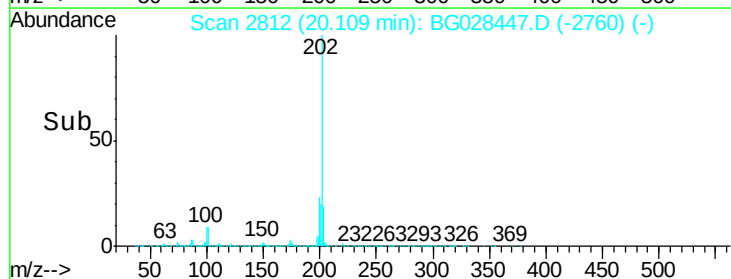
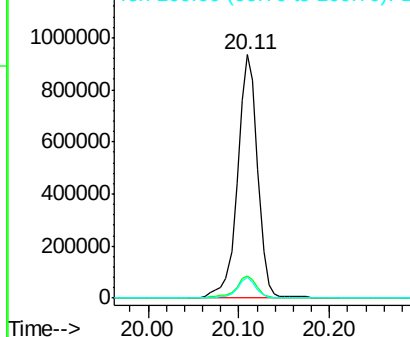
Lab File: BG028447.D

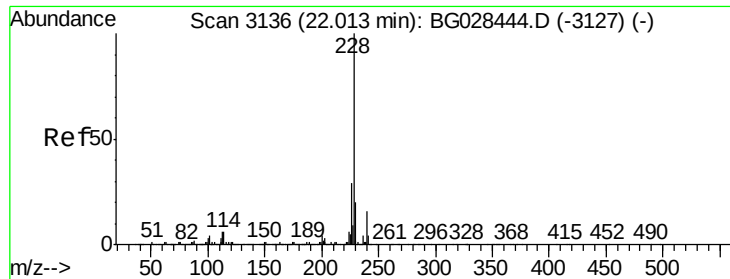
Acq: 23 Aug 2017 12:47

Tgt	Ion:202	Resp: 1437254	
Ion	Ratio	Lower	Upper
202	100		
101	9.3	6.9	10.3
100	8.7	6.6	10.0



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: 38.322 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Instrument :

BNA_G

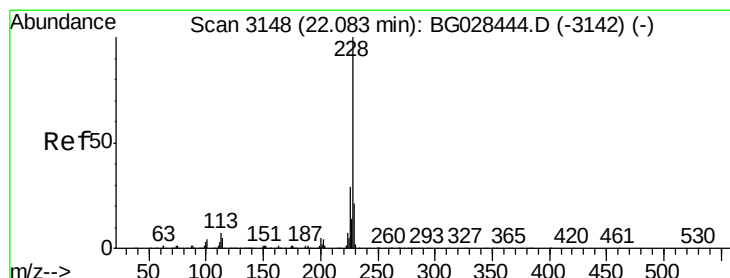
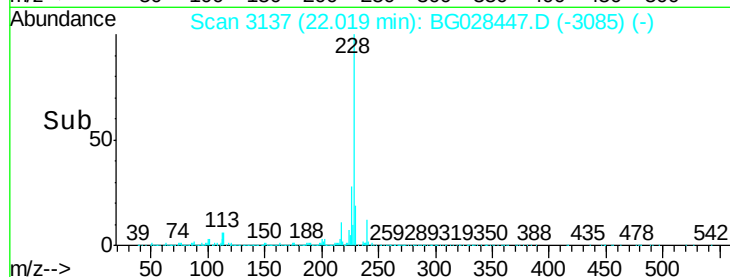
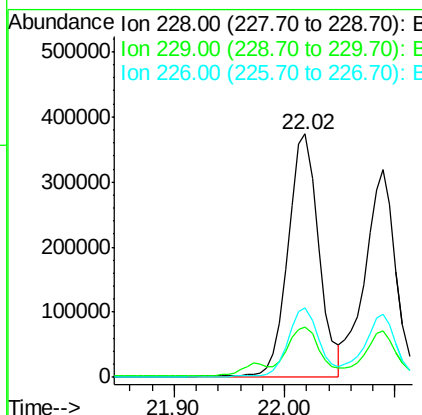
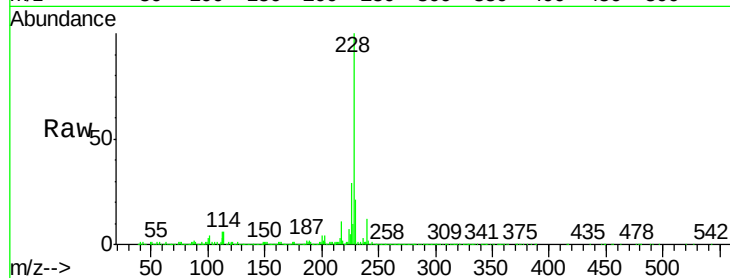
ClientSampled :

B0AB4DL

Tgt Ion:	228	Resp:	715170
Ion Ratio	Lower	Upper	
228	100		
229	20.7	16.3	24.5
226	28.5	21.9	32.9

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#82

Chrysene

Concen: 36.695 ng/ul

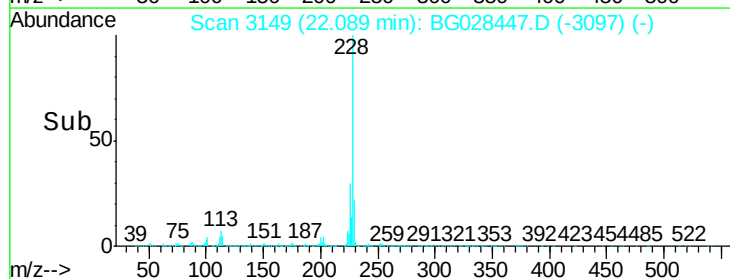
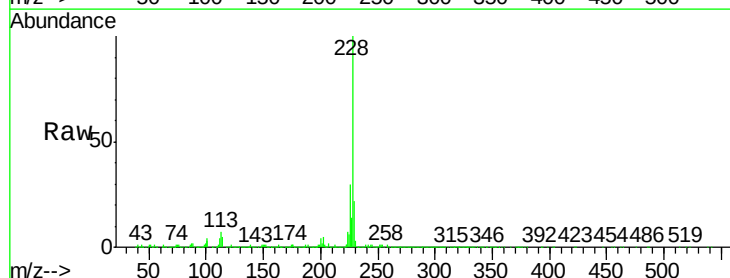
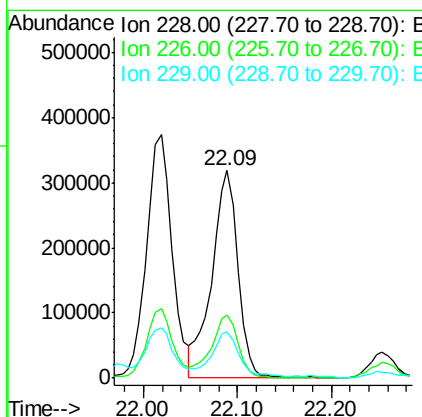
RT: 22.09 min Scan# 3149

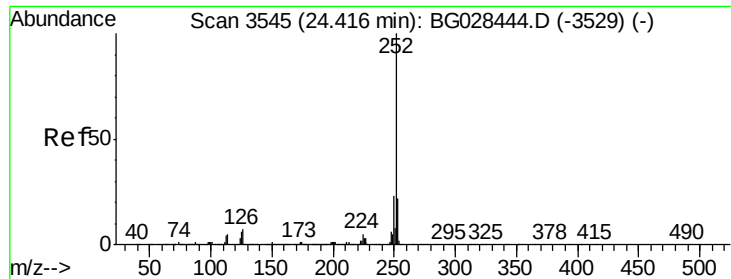
Delta R.T. 0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Tgt Ion:	228	Resp:	616743
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.0	36.0
229	22.2	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 37.366 ng/ul

RT: 24.43 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Instrument :

BNA_G

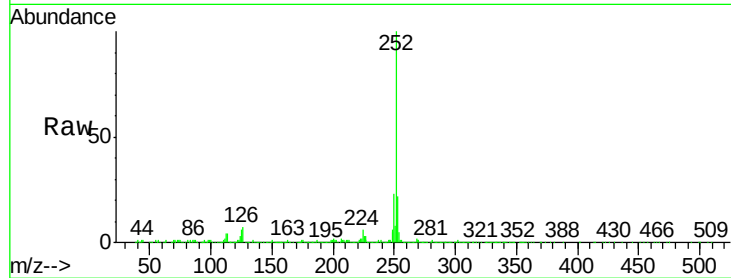
ClientSampled :

B0AB4DL

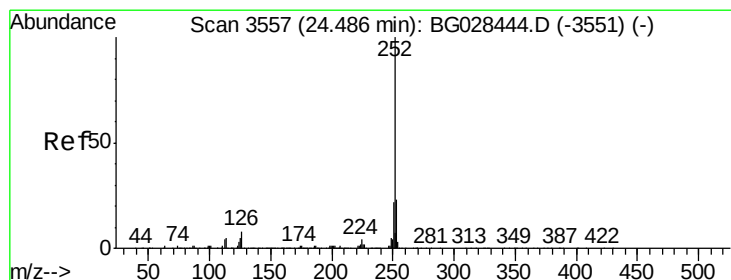
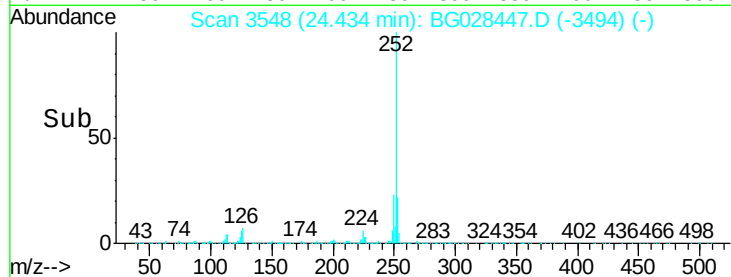
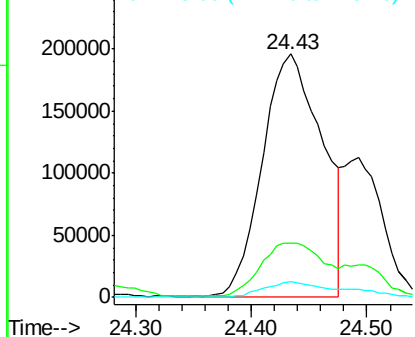
Tgt Ion:	252	Resp:	704600
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.7	26.5
125	6.4	4.0	6.0#

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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: 14.152 ng/ul m

RT: 24.49 min Scan# 3558

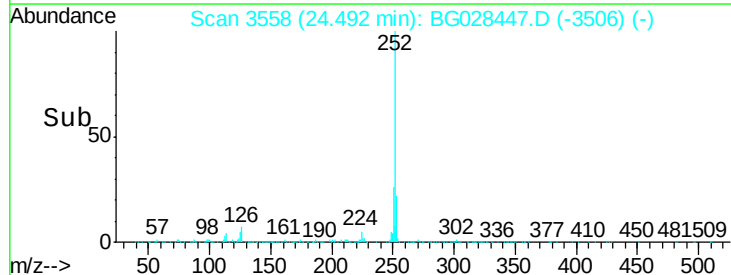
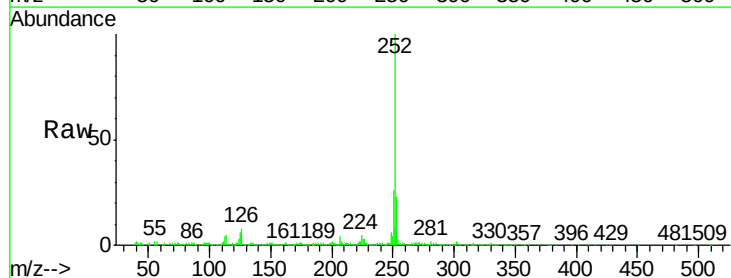
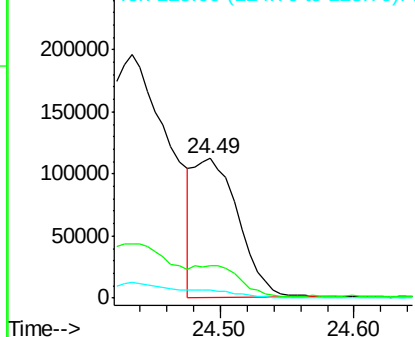
Delta R.T. 0.01 min

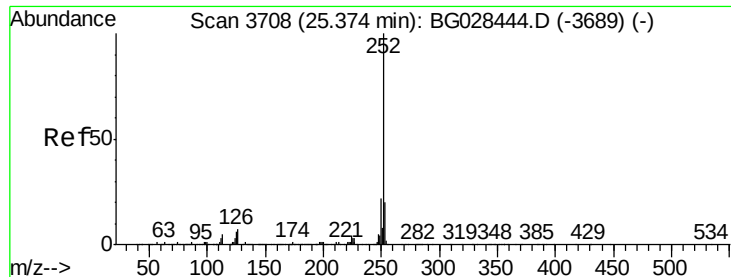
Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Tgt Ion:	252	Resp:	260677
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.5	27.7
125	5.7	4.1	6.1

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





#88

Benzo(a)pyrene

Concen: 31.156 ng/ul

RT: 25.38 min Scan# 3709

Delta R.T. 0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Instrument :

BNA_G

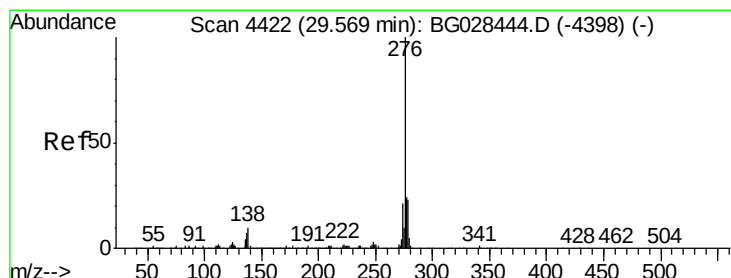
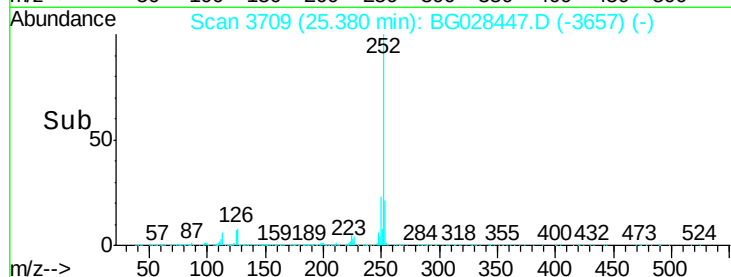
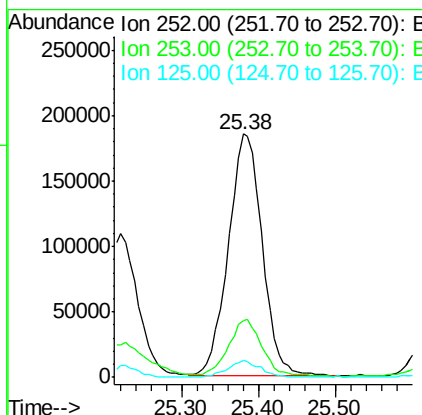
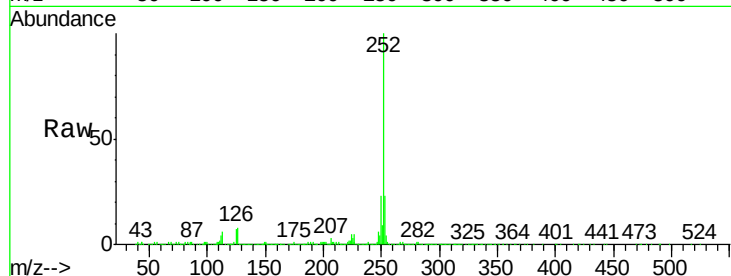
ClientSampled :

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Tgt Ion:	252	Resp:	568834
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	6.8	5.4	8.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 13.192 ng/ul

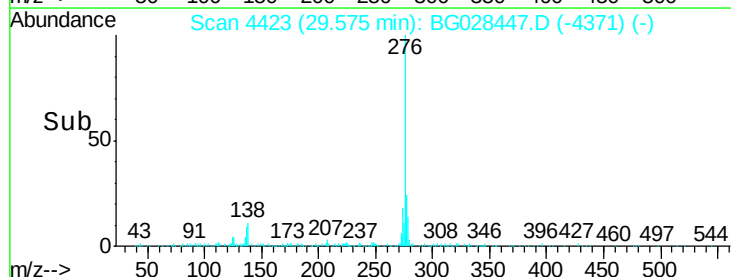
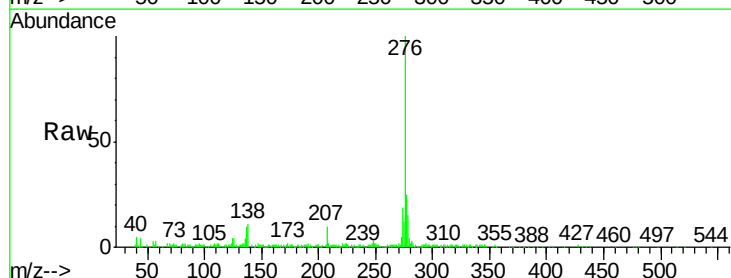
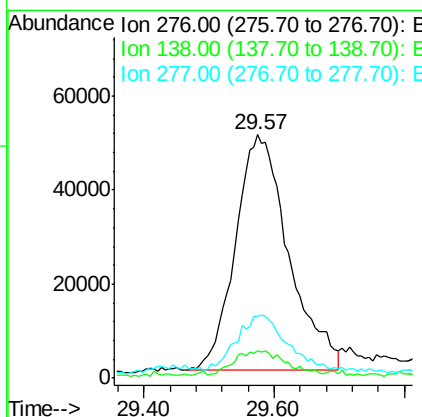
RT: 29.57 min Scan# 4423

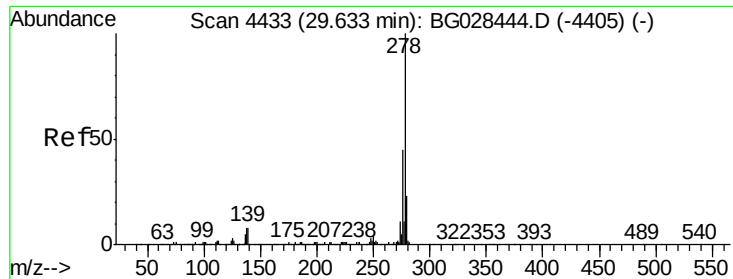
Delta R.T. 0.01 min

Lab File: BG028447.D

Acq: 23 Aug 2017 12:47

Tgt Ion:	276	Resp:	282059
Ion Ratio	Lower	Upper	
276	100		
138	11.1	8.2	12.4
277	25.3	18.6	28.0





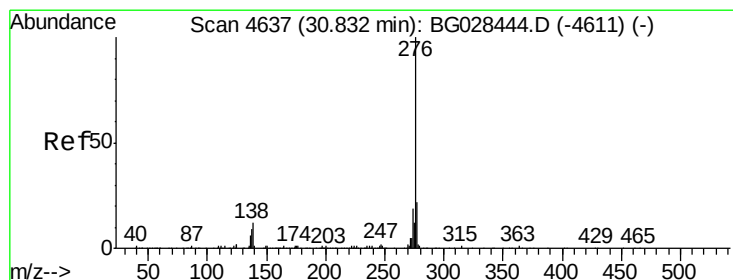
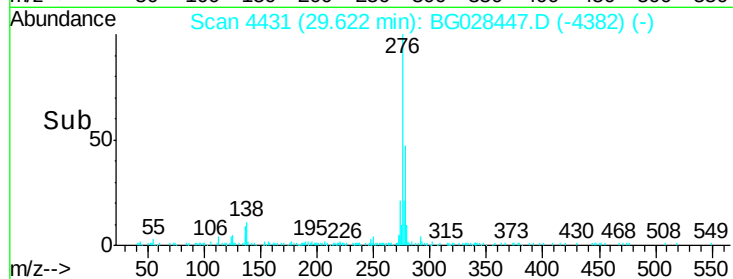
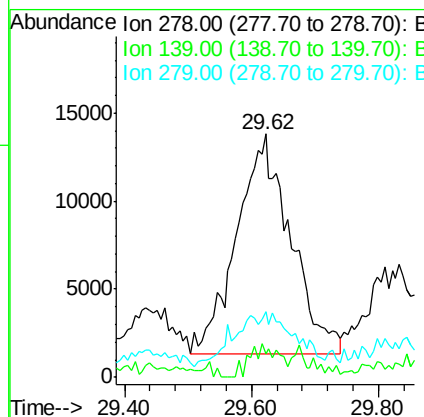
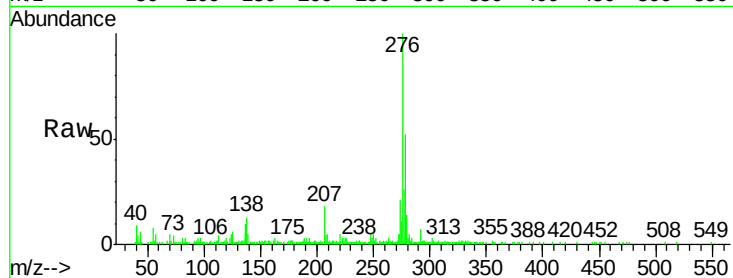
#90
Dibenzo(a,h)anthracene
Concen: 4.068 ng/ul
RT: 29.62 min Scan# 4431
Delta R.T. -0.01 min
Lab File: BG028447.D
Acq: 23 Aug 2017 12:47

Instrument :
BNA_G
ClientSampleId :
B0AB4DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.9	6.7	10.1
279	26.7	20.9	31.3

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#91
Benzo(g,h,i)perylene
Concen: 13.291 ng/ul
RT: 30.84 min Scan# 4639
Delta R.T. 0.01 min
Lab File: BG028447.D
Acq: 23 Aug 2017 12:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.3	8.6	12.8
277	25.5	17.6	26.4

