

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
 Data File : BG028450.D
 Acq On : 23 Aug 2017 14:45
 Operator : SJ/JU
 Sample : I4827-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB1

Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:32 PM

Quant Time: Aug 24 04:19:02 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	43577	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	187304	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	121202	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	271069m	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	324621	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	311802	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	2511	2.68	ng/uL	0.00
5) Phenol-d5	7.50	99	60078	12.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	41349	13.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	47961	15.89	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	46867	11.72	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	25716	17.56	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	30201	18.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	55238	16.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	31576	8.54	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	189486	17.58	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	214090	17.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	19979	11.66	ng/ul	0.01
57) Fluorene-d10	15.94	176	161332	16.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	13155	7.47	ng/ul	0.00
70) Anthracene-d10	17.80	188	255456	19.65	ng/ul	0.00
76) Pyrene-d10	20.08	212	289521	17.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	288819	19.79	ng/ul	0.02

Target Compounds

					Qvalue	
28) Naphthalene	11.21	128	14933	1.610	ng/ul	95
34) 2-Methylnaphthalene	12.80	142	16746	2.247	ng/ul	97
44) Dimethylphthalate	14.39	163	51282	5.167	ng/ul	99
49) Acenaphthene	15.02	153	8973	1.145	ng/ul	95
58) Fluorene	16.00	166	11349	1.122	ng/ul#	81
69) Phenanthrene	17.75	178	242757m	17.795	ng/ul	
71) Anthracene	17.84	178	30627	2.197	ng/ul	96
72) Carbazole	18.11	167	16382m	1.351	ng/ul	
74) Fluoranthene	19.75	202	398668	24.047	ng/ul	98
77) Pyrene	20.11	202	418846	21.627	ng/ul	99
80) Benzo(a)anthracene	22.02	228	224807	11.986	ng/ul	97
82) Chrysene	22.09	228	267605	15.842	ng/ul	95
85) Benzo(b)fluoranthene	24.43	252	257508m	13.801	ng/ul	
86) Benzo(k)fluoranthene	24.48	252	128497m	7.050	ng/ul	
88) Benzo(a)pyrene	25.39	252	200251	11.085	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.60	276	98866	4.673	ng/ul	94
90) Dibenzo(a,h)anthracene	29.65	278	28843m	1.627	ng/ul	
91) Benzo(g,h,i)perylene	30.87	276	91028	5.230	ng/ul#	86

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

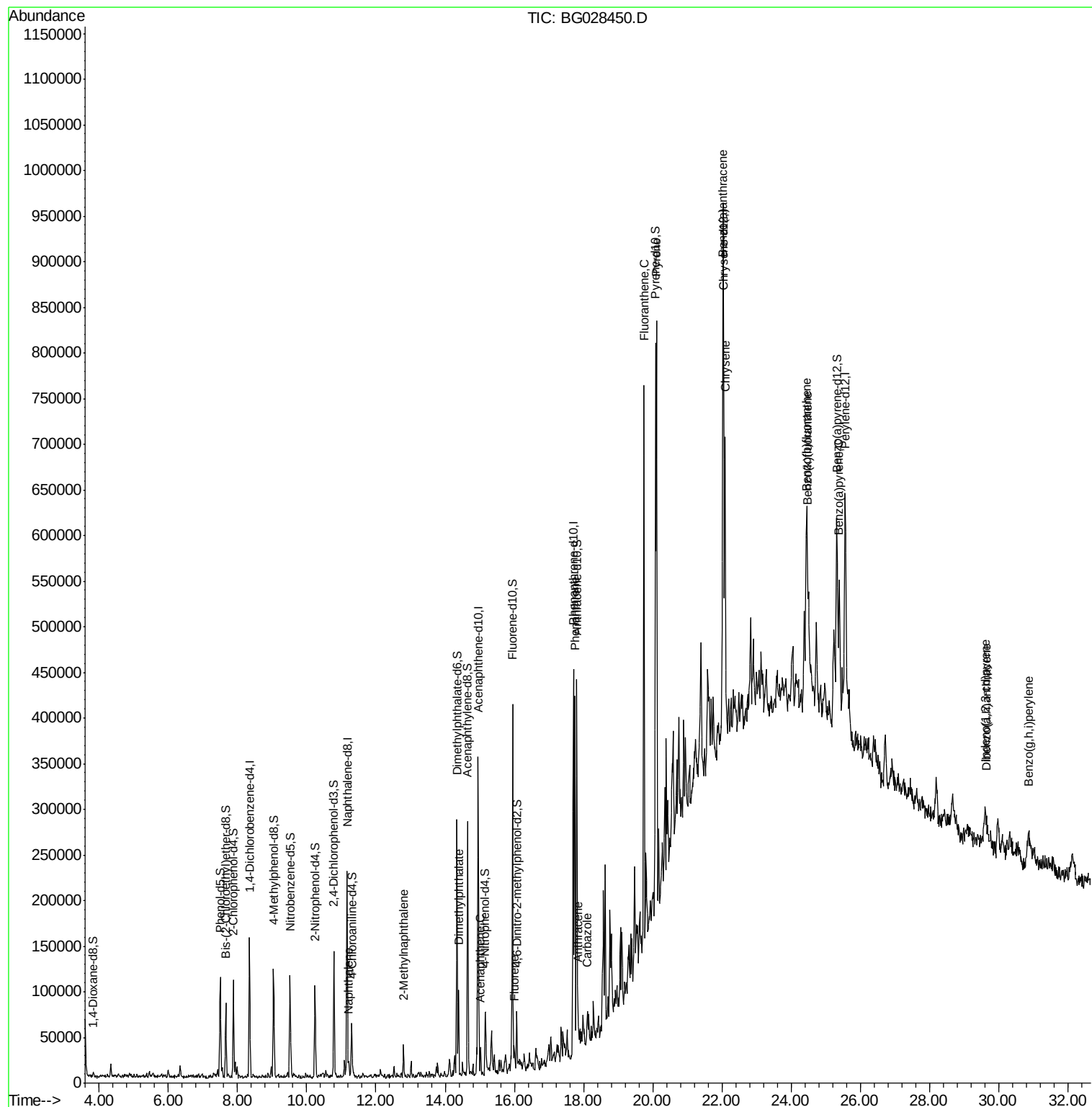
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028450.D
Acq On : 23 Aug 2017 14:45
Operator : SJ/JU
Sample : I4827-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

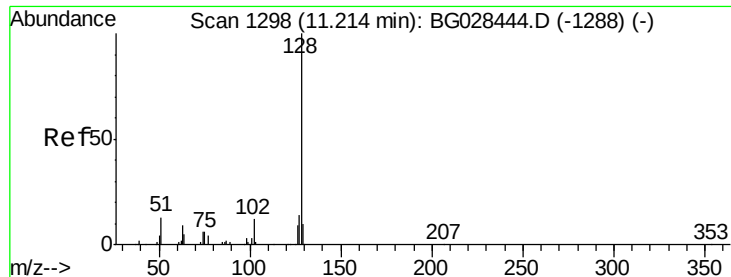
Instrument :
BNA_G
ClientSampled :
B0AB1

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8/24/2017 4:38:32 PM

Quant Time: Aug 24 04:19:02 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





#28

Naphthalene

Concen: 1.610 ng/ul

RT: 11.21 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

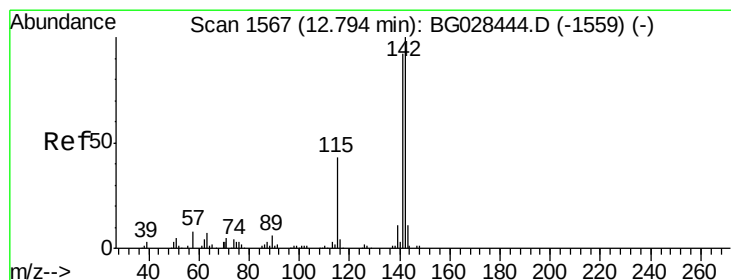
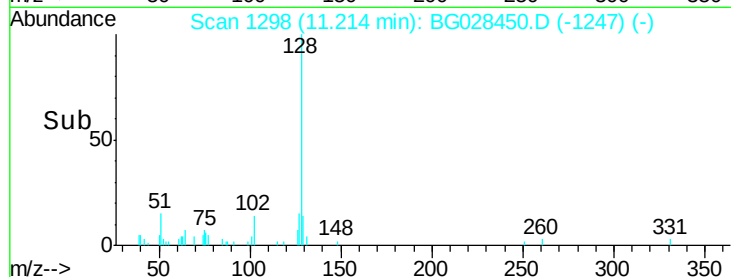
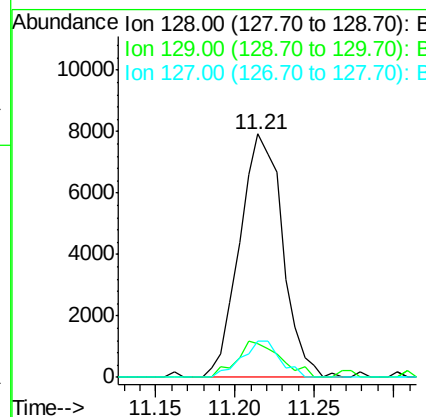
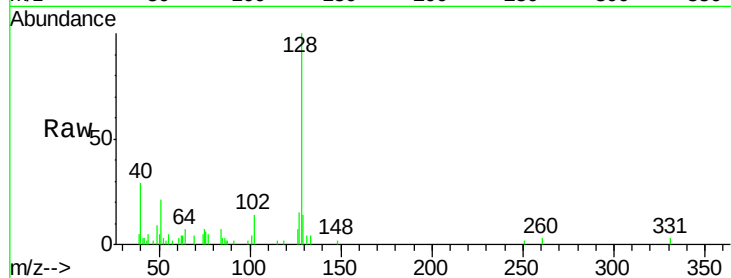
ClientSampled :

B0AB1

Tgt Ion:	128	Resp:	14933
Ion Ratio	Lower	Upper	
128	100		
129	13.8	9.4	14.2
127	14.9	10.3	15.5

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#34

2-Methylnaphthalene

Concen: 2.247 ng/ul

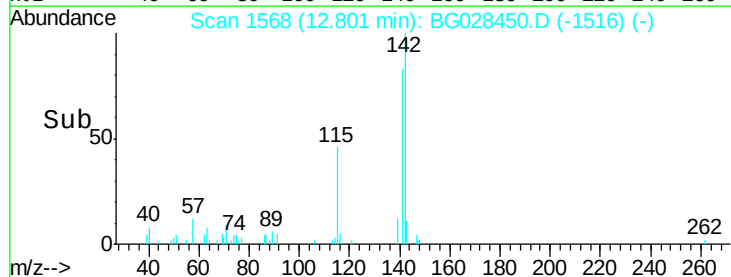
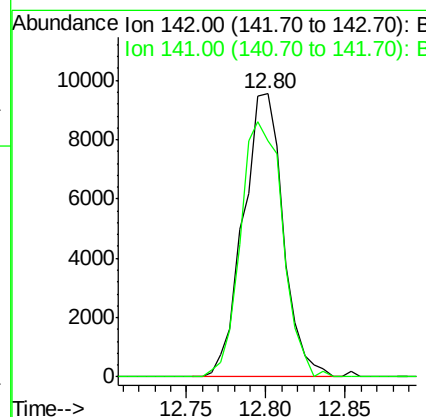
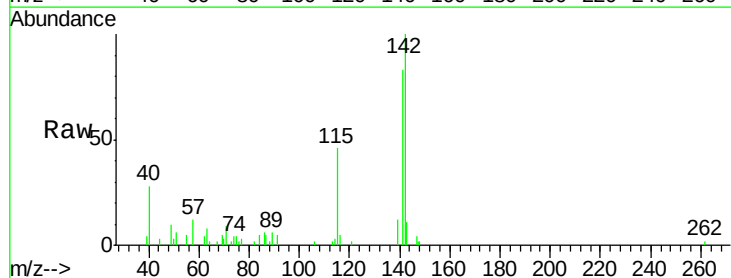
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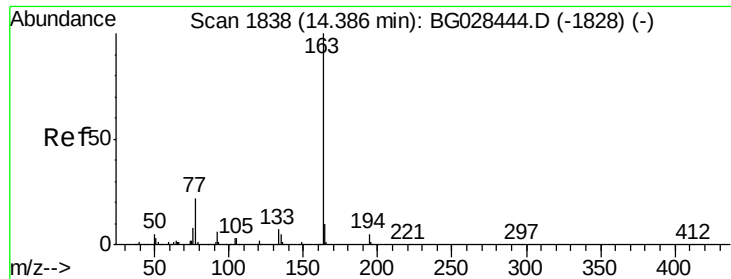
Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:	142	Resp:	16746
Ion Ratio	Lower	Upper	
142	100		
141	83.2	68.6	102.8





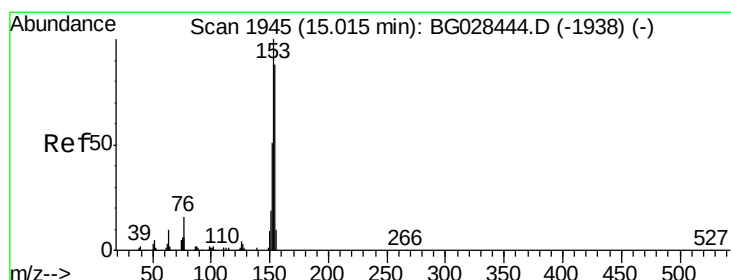
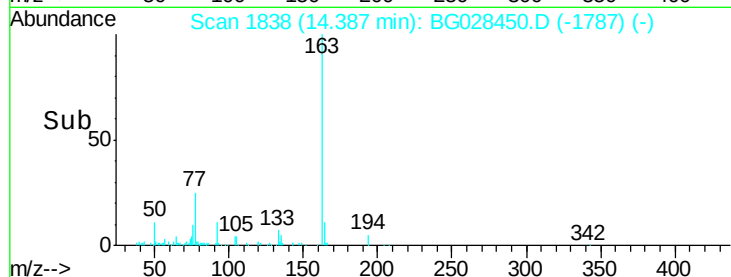
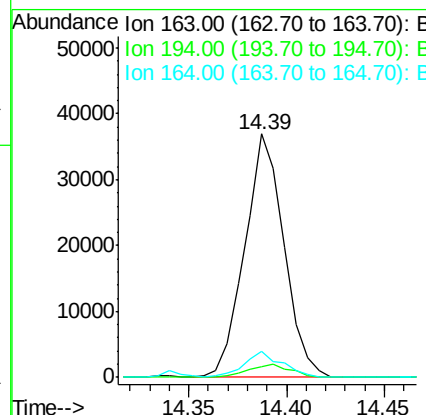
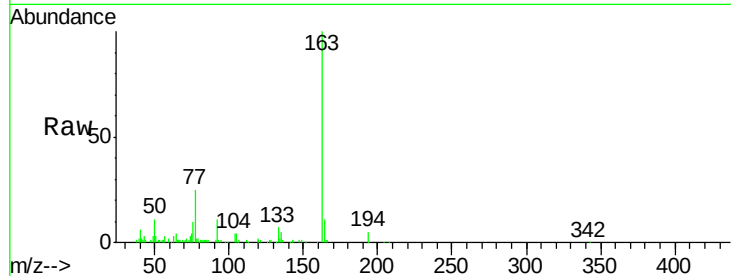
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Dimethylphthalate
Concen: 5.167 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Instrument :
BNA_G
ClientSampled :
B0AB1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	51282		
194	4.5		3.4	5.0
164	10.7		9.0	13.4

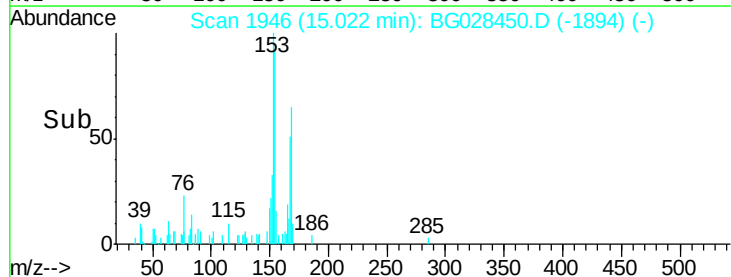
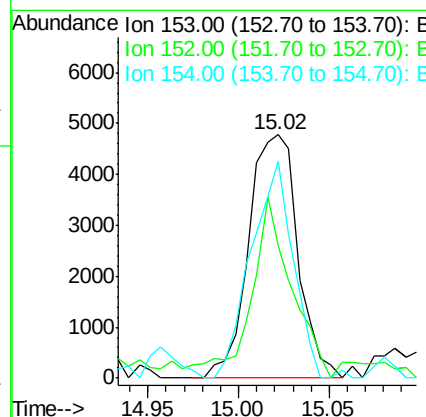
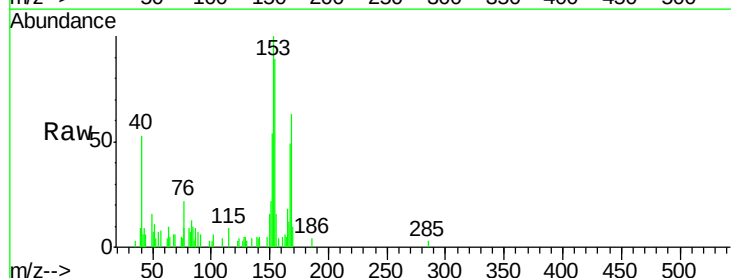
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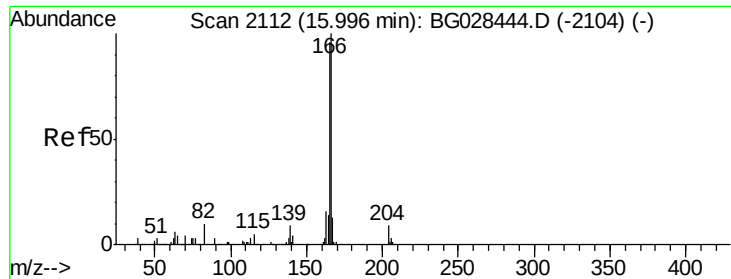
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#49
Acenaphthene
Concen: 1.145 ng/ul
RT: 15.02 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	8973		
152	54.2		36.5	54.7
154	89.1		72.3	108.5





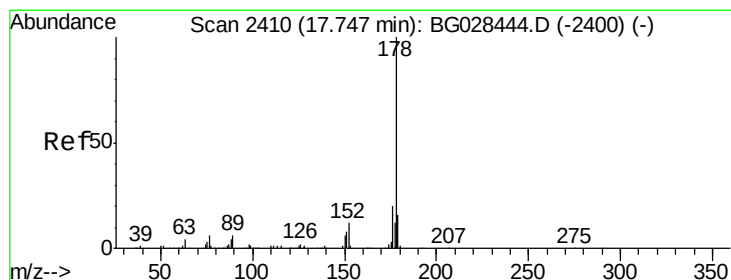
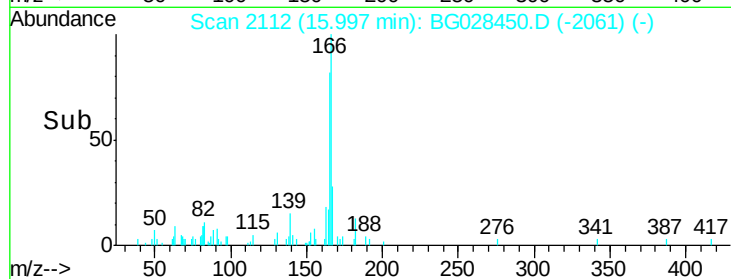
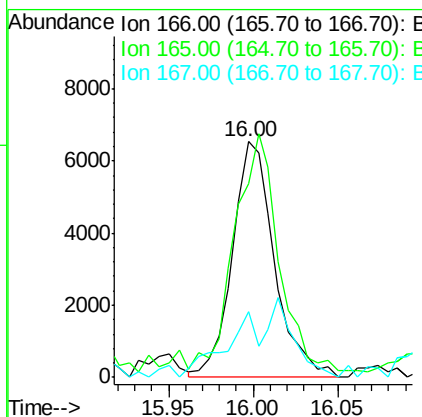
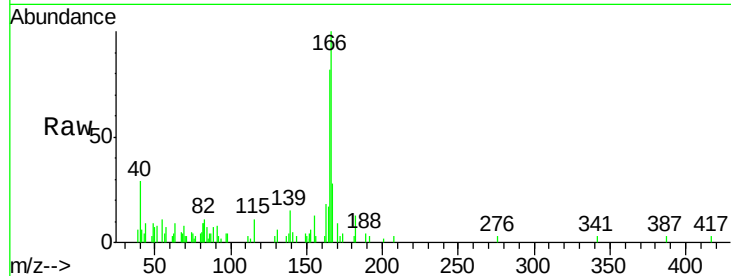
#58
 Fluorene
 Concen: 1.122 ng/ul
 RT: 16.00 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: BG028450.D
 Acq: 23 Aug 2017 14:45

Instrument :
 BNA_G
 ClientSampleId :
 B0AB1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	82.2	79.7	119.5
167	28.0	11.4	17.2#

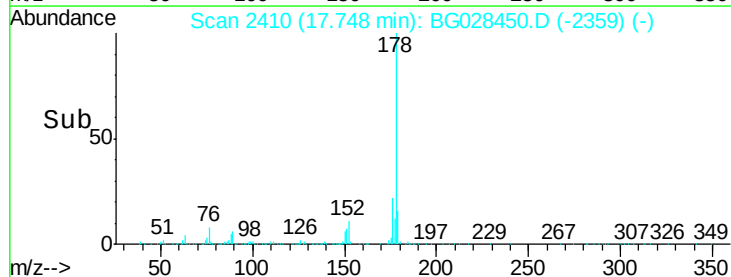
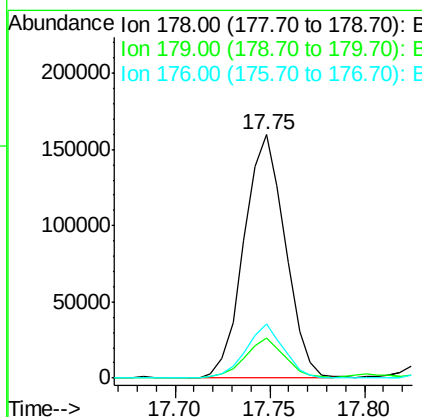
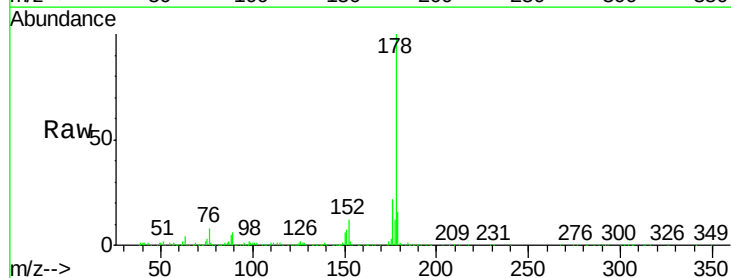
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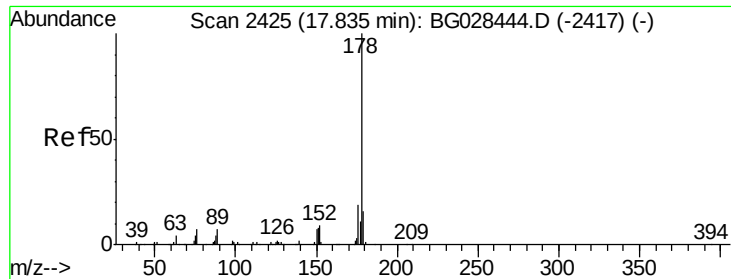
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#69
 Phenanthrene
 Concen: 17.795 ng/ul m
 RT: 17.75 min Scan# 2410
 Delta R.T. 0.00 min
 Lab File: BG028450.D
 Acq: 23 Aug 2017 14:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.4	18.6
176	22.1	16.5	24.7





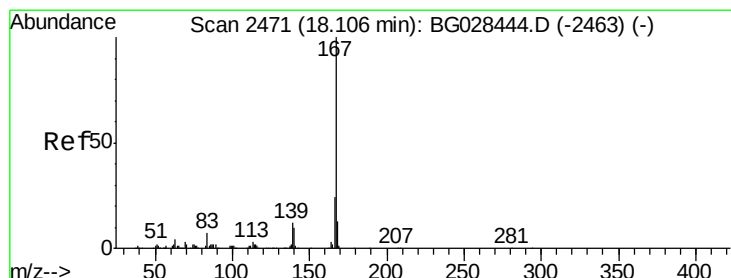
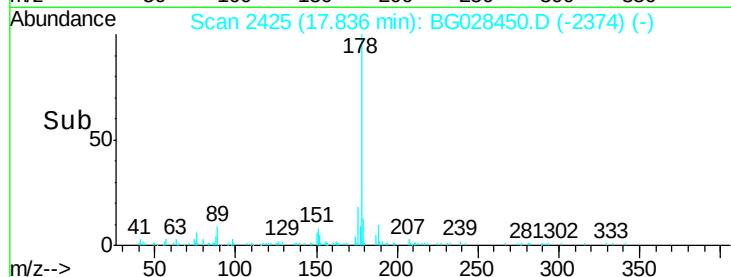
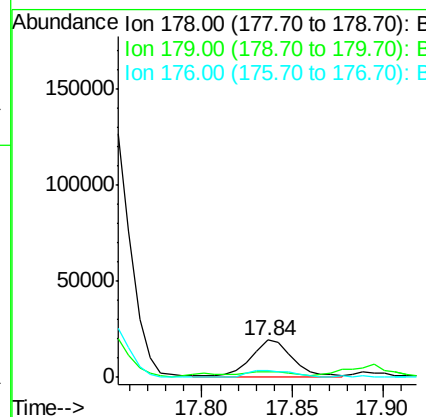
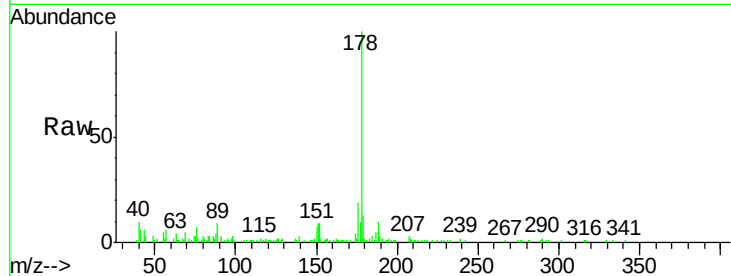
#71
 Anthracene
 Concen: 2.197 ng/ul
 RT: 17.84 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG028450.D
 Acq: 23 Aug 2017 14:45

Instrument :
 BNA_G
 ClientSampleId :
 B0AB1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.1	12.6	19.0
176	18.5	15.9	23.9

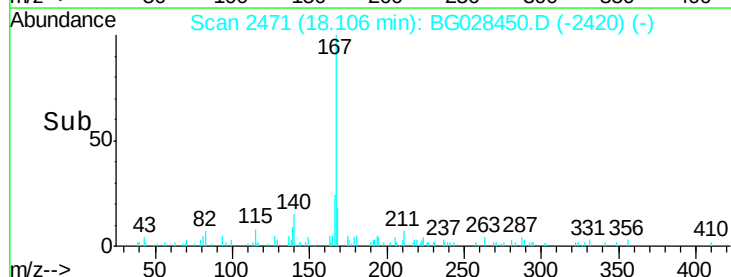
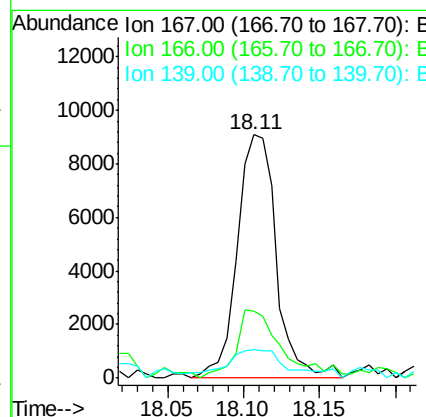
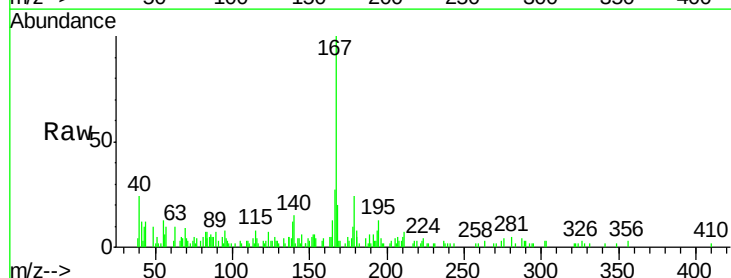
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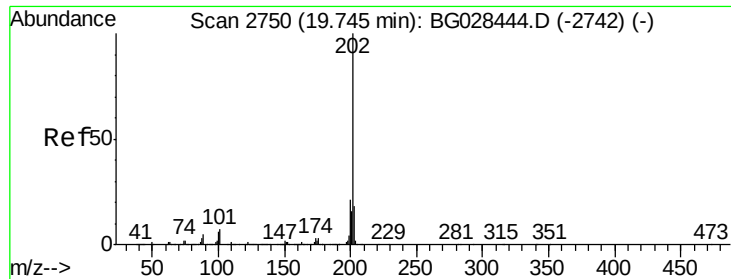
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#72
 Carbazole
 Concen: 1.351 ng/ul m
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BG028450.D
 Acq: 23 Aug 2017 14:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.5	17.9	26.9#
139	11.5	10.5	15.7





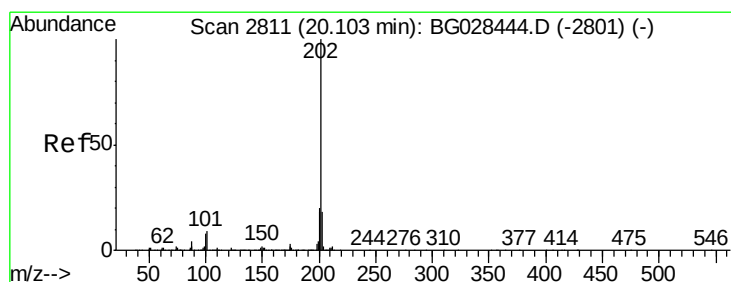
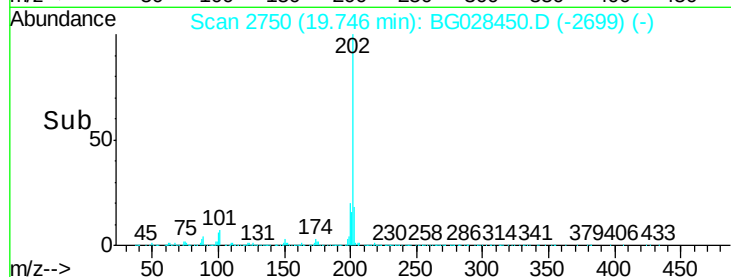
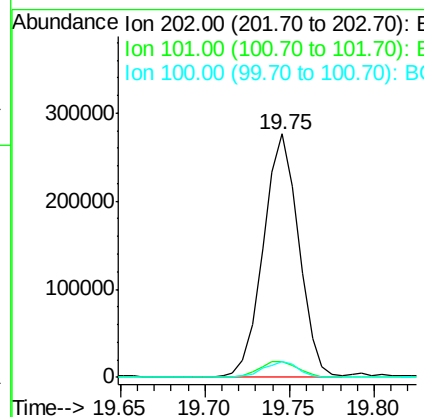
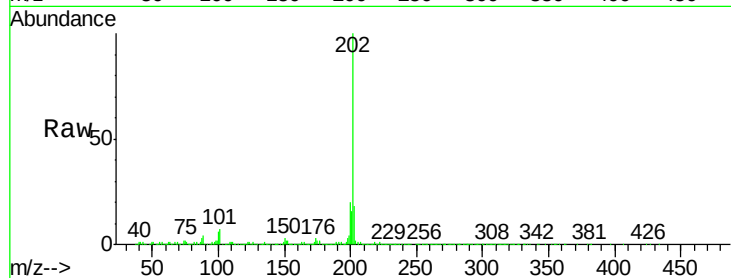
#74
Fluoranthene
Concen: 24.047 ng/ul
RT: 19.75 min Scan# 2750
Delta R.T. 0.00 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Instrument :
BNA_G
ClientSampleId :
B0AB1

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	398668		
101	6.7		6.2	9.2
100	6.5		5.2	7.8

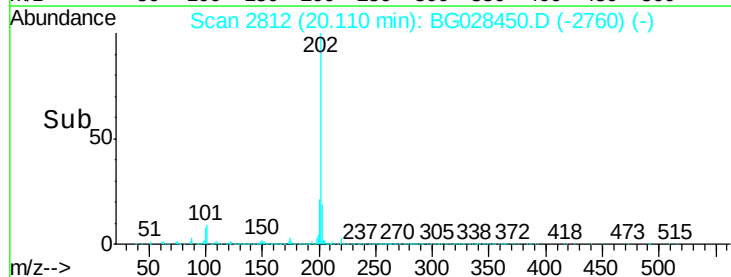
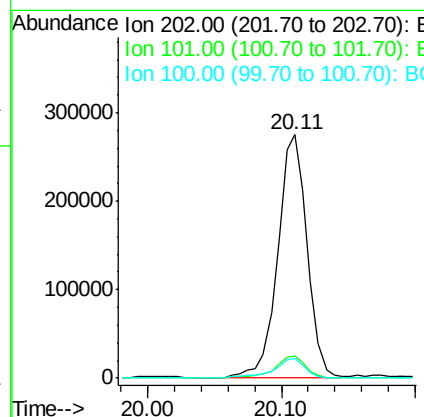
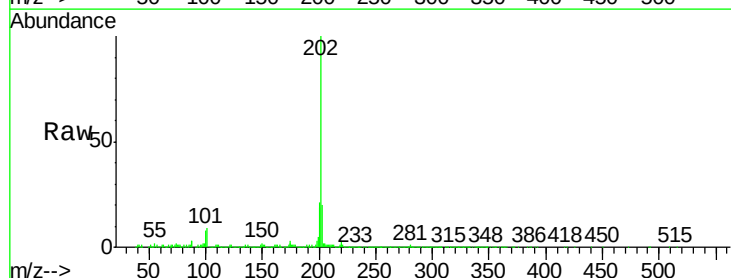
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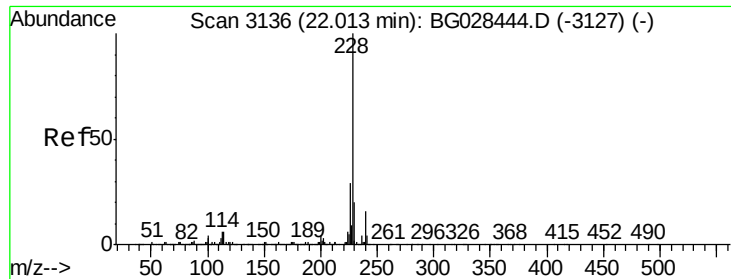
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#77
Pyrene
Concen: 21.627 ng/ul
RT: 20.11 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	418846		
101	8.9		6.9	10.3
100	8.0		6.6	10.0





#80

Benzo(a)anthracene

Concen: 11.986 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

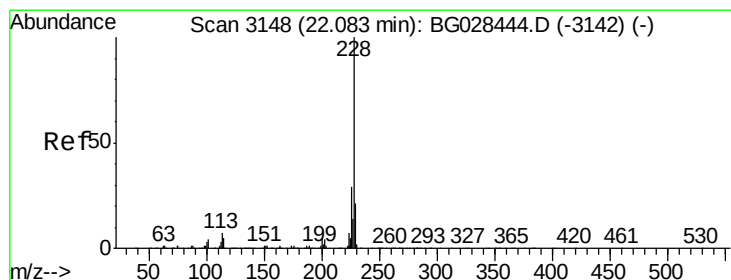
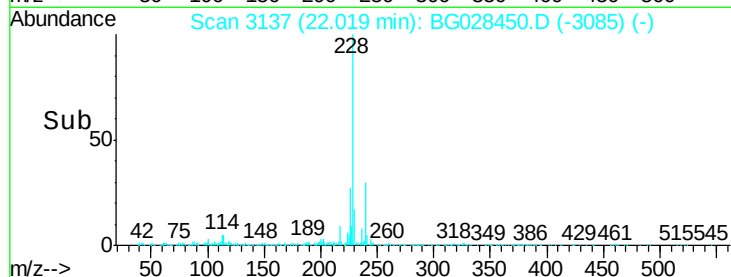
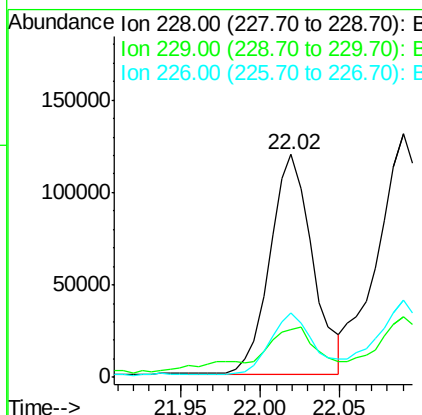
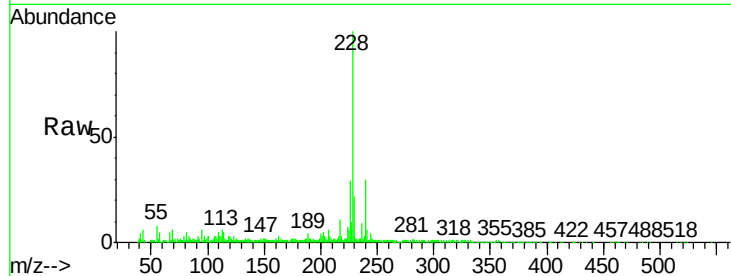
ClientSampleId :

B0AB1

Tgt Ion:	228	Resp:	224807
Ion Ratio	Lower	Upper	
228	100		
229	21.7	16.3	24.5
226	28.7	21.9	32.9

Manual Integrations
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#82

Chrysene

Concen: 15.842 ng/ul

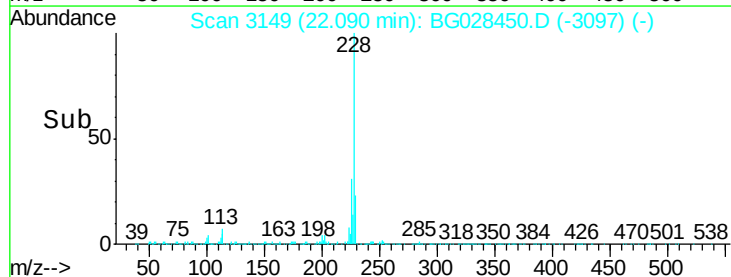
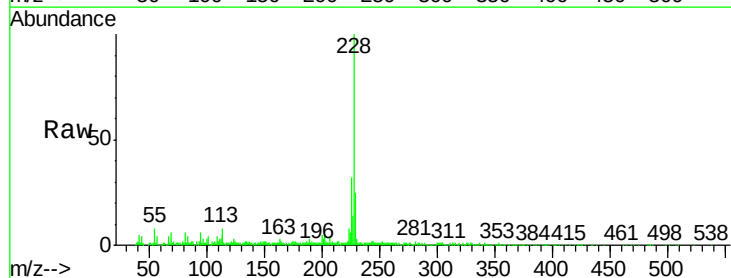
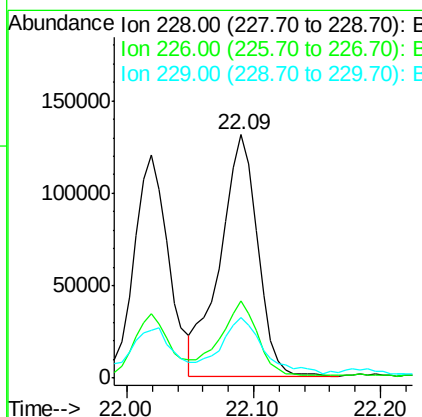
RT: 22.09 min Scan# 3149

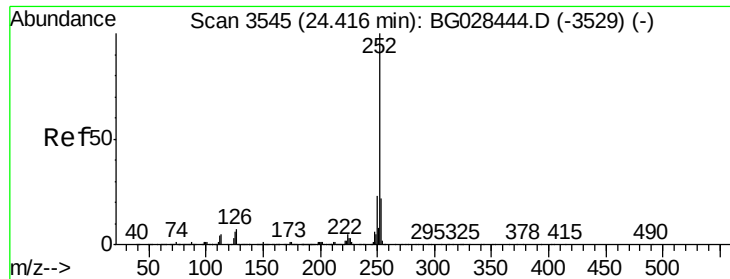
Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:	228	Resp:	267605
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	24.9	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 13.801 ng/ul m

RT: 24.43 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

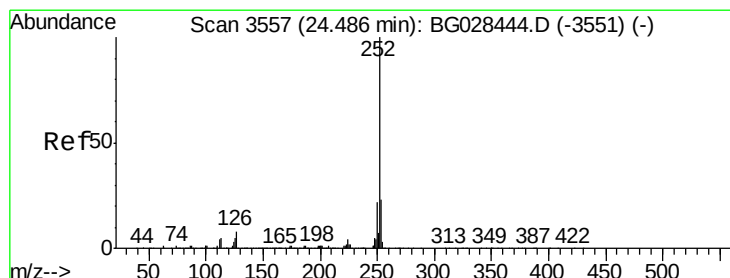
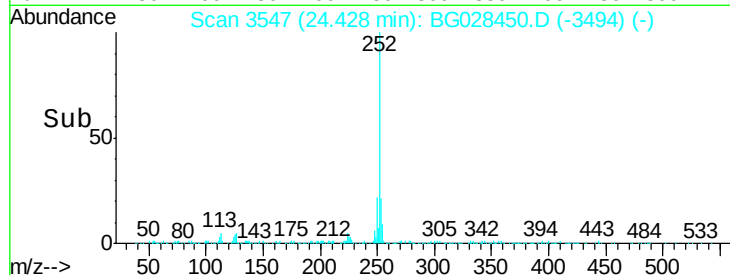
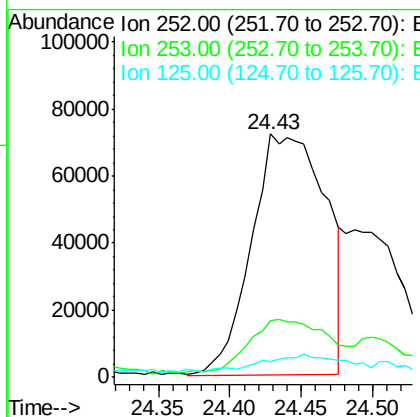
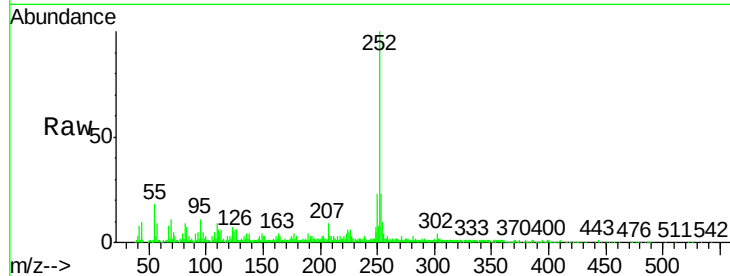
ClientSampled :

B0AB1

Tgt Ion:	252	Resp:	257508
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	6.5	4.0	6.0#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 7.050 ng/ul m

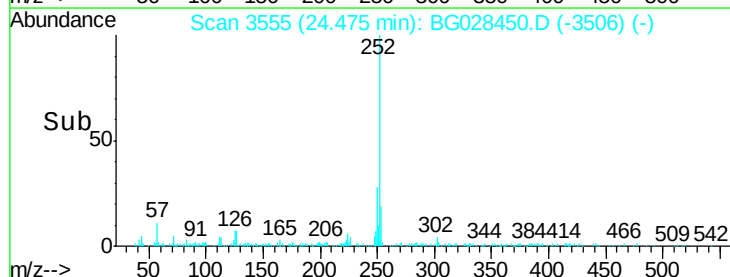
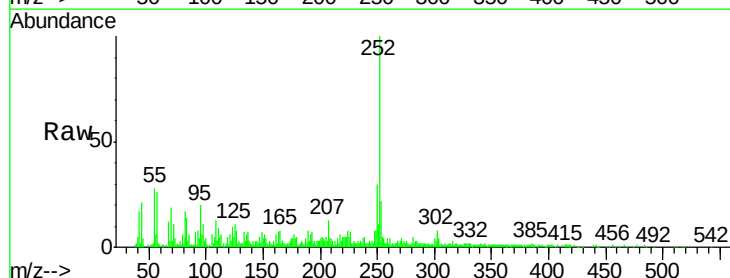
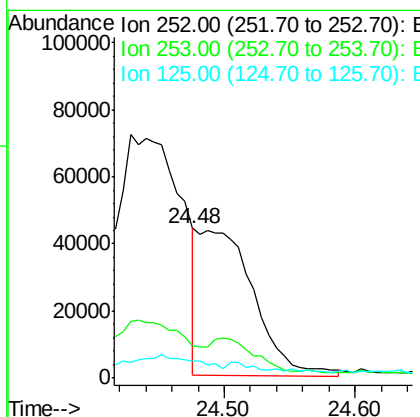
RT: 24.48 min Scan# 3555

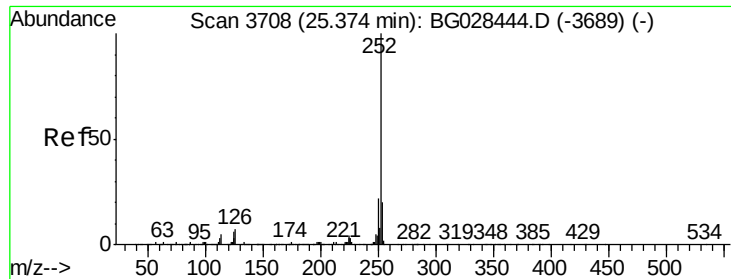
Delta R.T. -0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:	252	Resp:	128497
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.5	27.7
125	11.4	4.1	6.1#





#88

Benzo(a)pyrene

Concen: 11.085 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

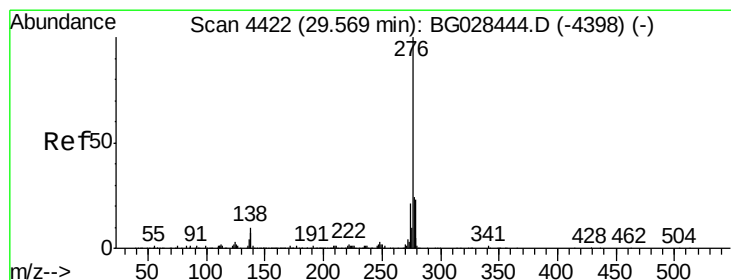
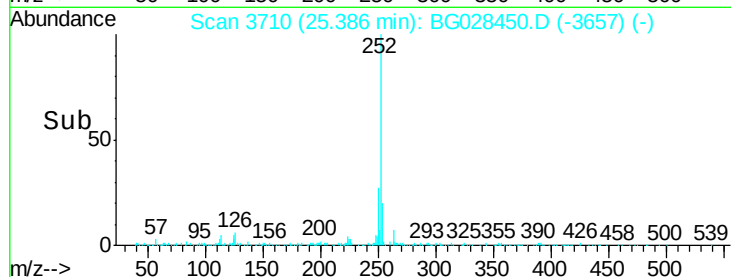
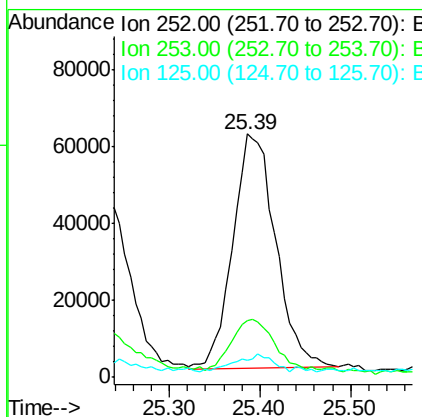
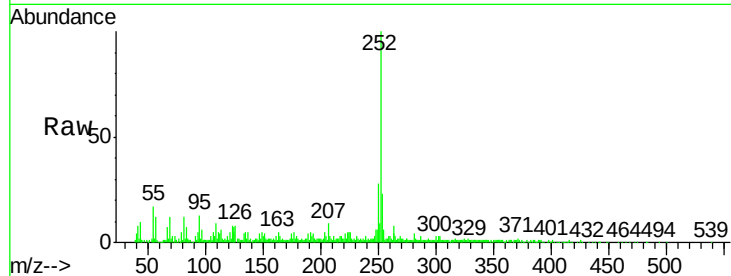
ClientSampleId :

B0AB1

Tgt Ion:	252	Resp:	200251
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.6
125	7.1	5.4	8.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 4.673 ng/ul

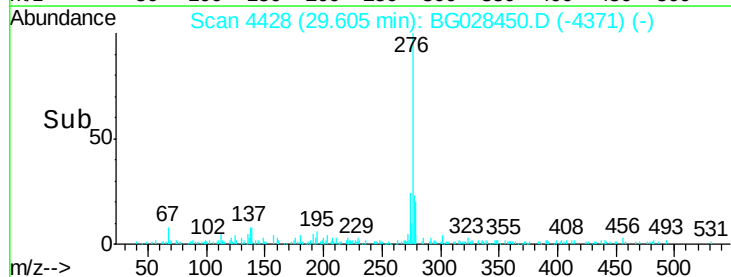
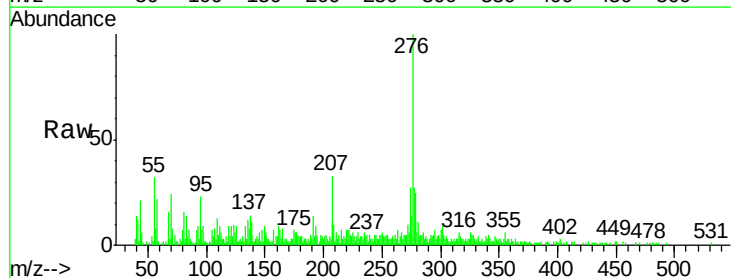
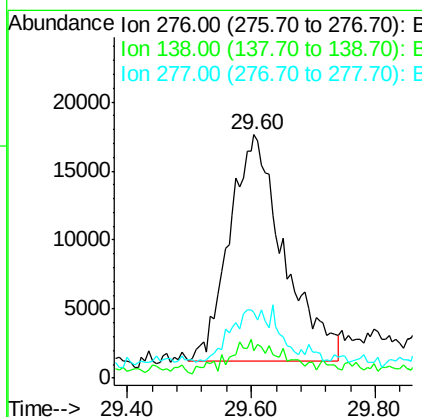
RT: 29.60 min Scan# 4428

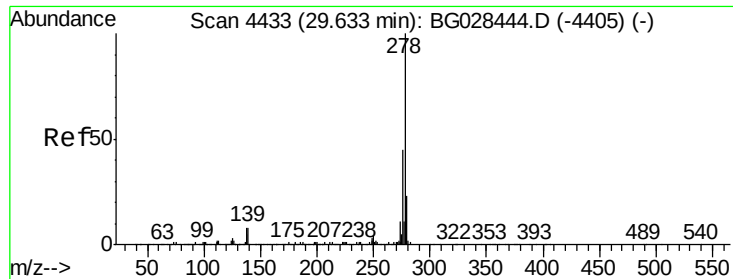
Delta R.T. 0.04 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:	276	Resp:	98866
Ion Ratio		Lower	Upper
276	100		
138	11.4	8.2	12.4
277	27.0	18.6	28.0





#90

Dibenzo(a,h)anthracene

Concen: 1.627 ng/ul m

RT: 29.65 min Scan# 4436

Delta R.T. 0.02 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

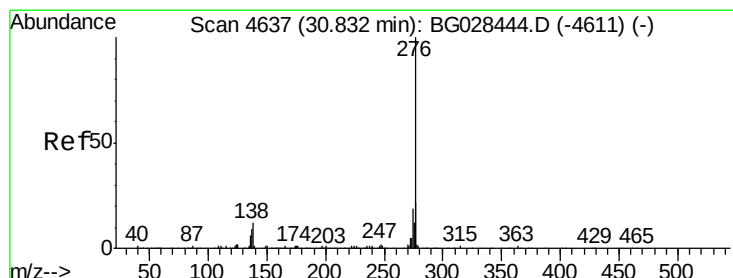
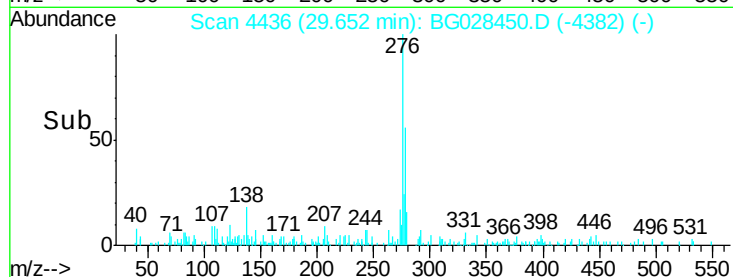
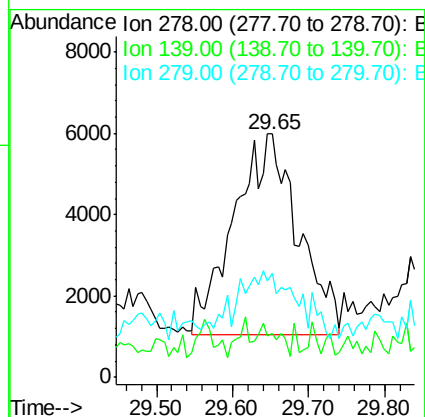
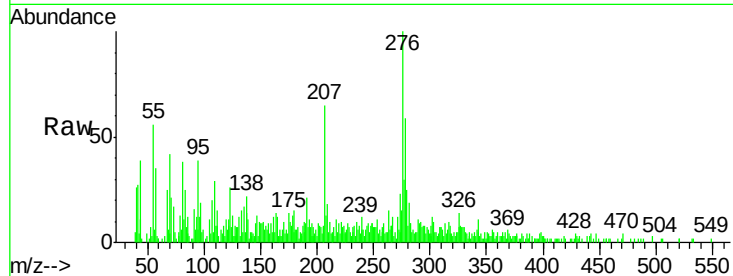
ClientSampleId :

B0AB1

Tgt Ion:	278	Resp:	28843
Ion Ratio	Lower	Upper	
278	100		
139	18.1	6.7	10.1#
279	43.0	20.9	31.3#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.230 ng/ul

RT: 30.87 min Scan# 4644

Delta R.T. 0.04 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:	276	Resp:	91028
Ion Ratio	Lower	Upper	
276	100		
138	16.4	8.6	12.8#
277	28.3	17.6	26.4#

