

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
 Data File : BG028302.D
 Acq On : 11 Aug 2017 22:54
 Operator : SJ/JU
 Sample : I4550-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AF5

Manual Integrations
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 8/14/2017 6:59:00 PM

Quant Time: Aug 12 00:55:35 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 11 22:57:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	41822	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	189248	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	132244	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	297726	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	328164	20.00	ng/ul	0.01
83) Perylene-d12	25.56	264	324492	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	2837	3.16	ng/uL	0.00
5) Phenol-d5	7.51	99	70271	15.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.67	67	50359	17.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	43976	15.18	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	57360	14.94	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	30581	20.67	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	15193	9.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	45229	13.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	56159	15.03	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	232605	19.78	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	268900	20.28	ng/ul	0.00
51) 4-Nitrophenol-d4	15.18	143	2310	1.24	ng/ul	0.03
57) Fluorene-d10	15.95	176	201710	19.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	1182	0.61	ng/ul	0.01
70) Anthracene-d10	17.81	188	302645m	21.20	ng/ul	0.00
76) Pyrene-d10	20.09	212	353436	21.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	322471	21.23	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.54	94	10400	2.278	ng/ul#	91
28) Naphthalene	11.23	128	17239	1.839	ng/ul	97
34) 2-Methylnaphthalene	12.81	142	11944	1.586	ng/ul	91
44) Dimethylphthalate	14.40	163	64488	5.955	ng/ul	99
49) Acenaphthene	15.03	153	14630	1.711	ng/ul	87
53) Dibenzofuran	15.36	168	19219	1.542	ng/ul	88
58) Fluorene	16.01	166	22853	2.070	ng/ul	97
69) Phenanthrene	17.75	178	391158	26.106	ng/ul	98
71) Anthracene	17.85	178	66706	4.356	ng/ul	98
72) Carbazole	18.12	167	40064	3.008	ng/ul	96
74) Fluoranthene	19.75	202	575766	31.620	ng/ul	98
77) Pyrene	20.12	202	488032	24.927	ng/ul	99
80) Benzo(a)anthracene	22.03	228	238914	12.600	ng/ul	99
82) Chrysene	22.10	228	233417	13.669	ng/ul	96
85) Benzo(b)fluoranthene	24.44	252	311732	16.054	ng/ul#	98
86) Benzo(k)fluoranthene	24.50	252	101531m	5.353	ng/ul	
88) Benzo(a)pyrene	25.40	252	228784	12.169	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.58	276	160491	7.290	ng/ul	98
90) Dibenzo(a,h)anthracene	29.63	278	38723	2.098	ng/ul#	90
91) Benzo(g,h,i)perylene	30.86	276	124322	6.864	ng/ul#	92

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

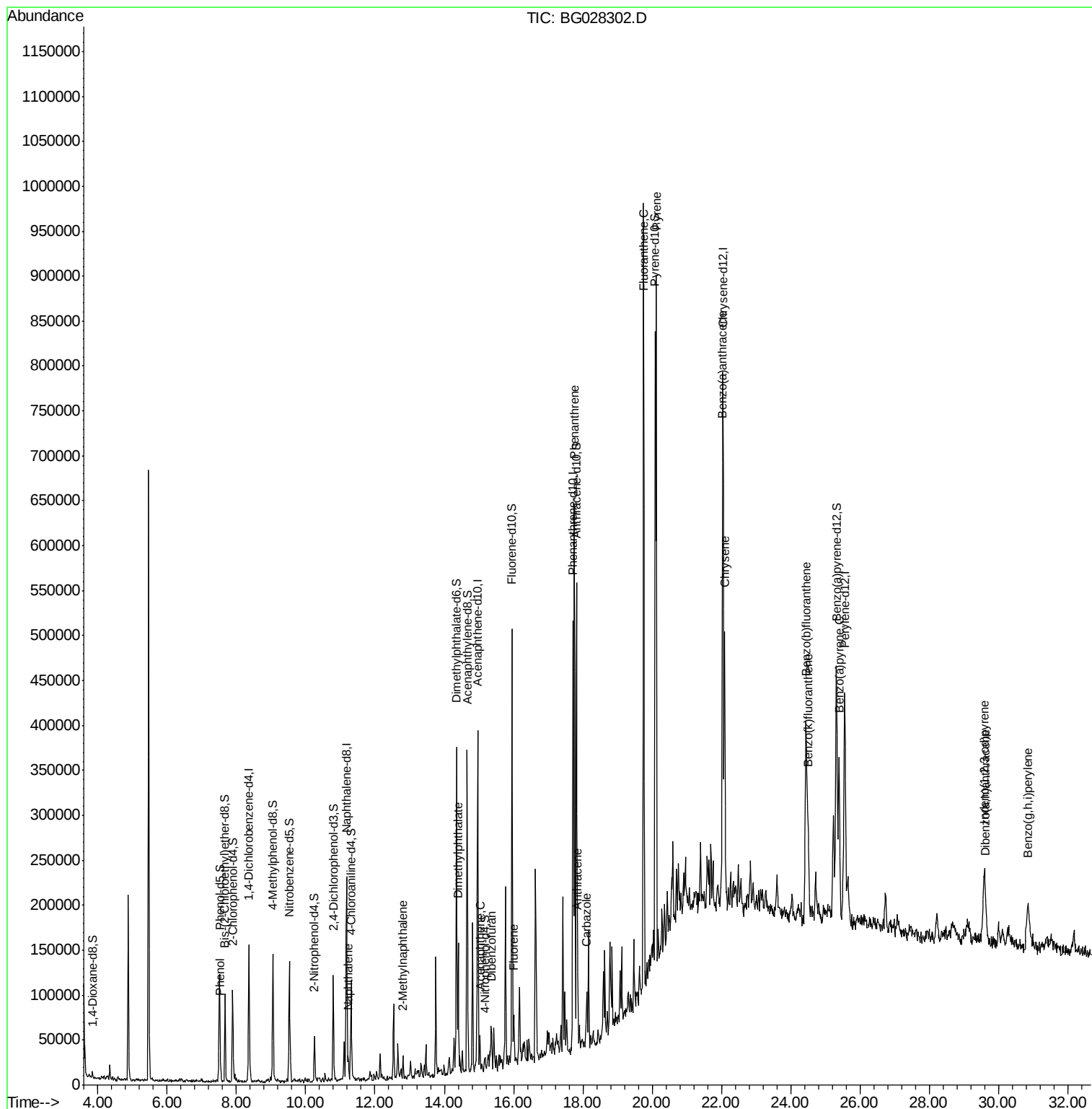
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028302.D
Acq On : 11 Aug 2017 22:54
Operator : SJ/JU
Sample : I4550-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

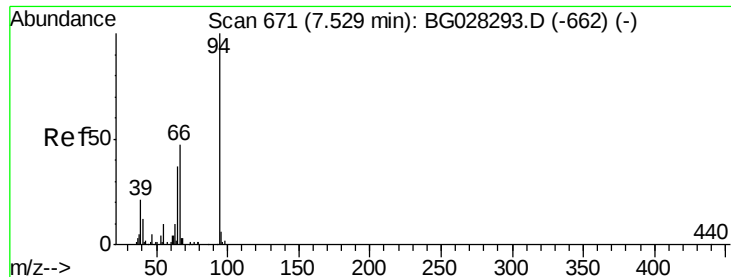
Instrument :
BNA_G
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Quant Time: Aug 12 00:55:35 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 11 22:57:36 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.278 ng/ul

RT: 7.54 min Scan# 672

Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Instrument :

BNA_G

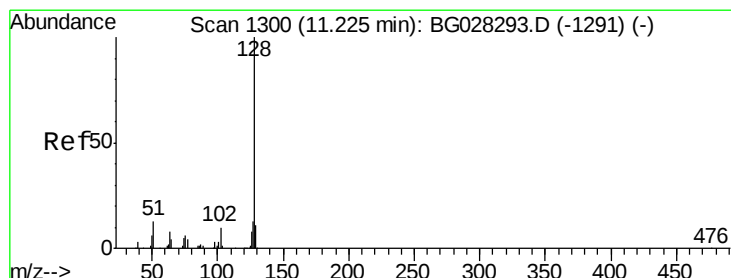
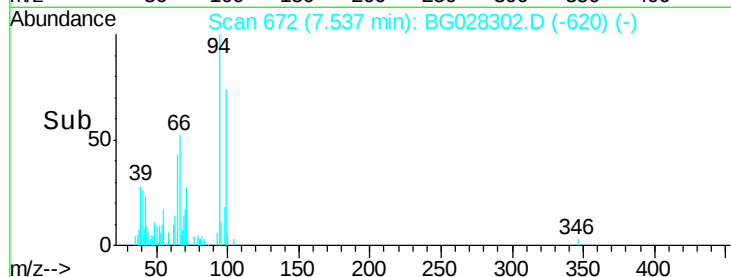
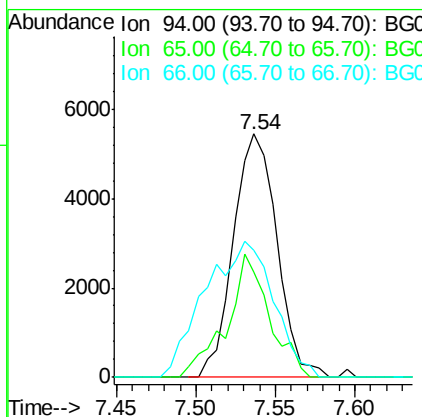
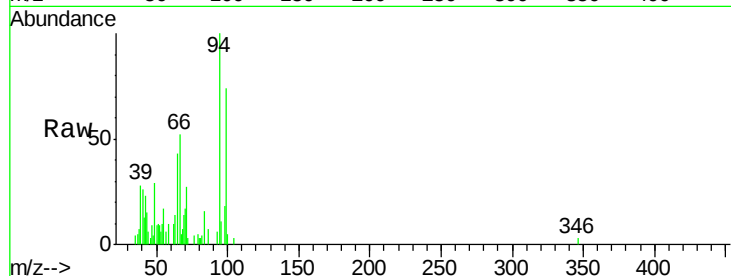
ClientSampled :

C0AF5

Tgt Ion:	94	Resp:	10400
Ion Ratio	Lower	Upper	
94	100		
65	43.2	26.8	40.2#
66	52.2	44.4	66.6

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#28

Naphthalene

Concen: 1.839 ng/ul

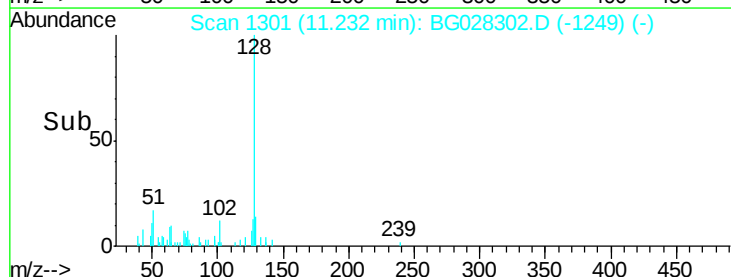
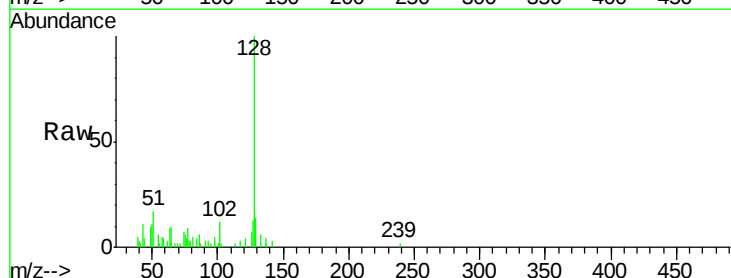
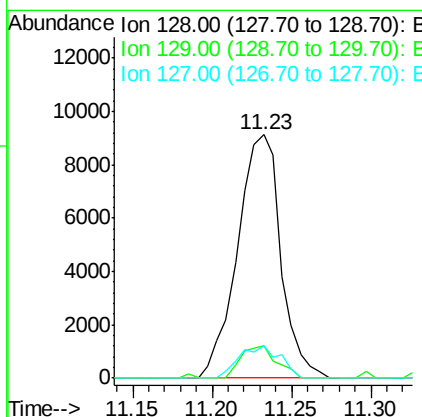
RT: 11.23 min Scan# 1301

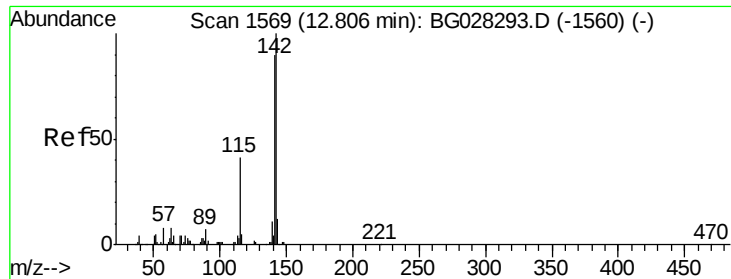
Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Tgt Ion:	128	Resp:	17239
Ion Ratio	Lower	Upper	
128	100		
129	13.5	9.4	14.2
127	13.5	10.3	15.5





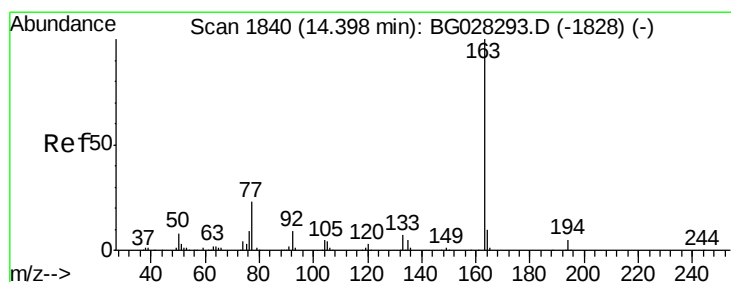
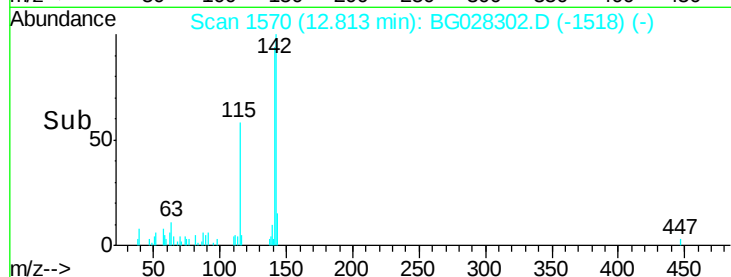
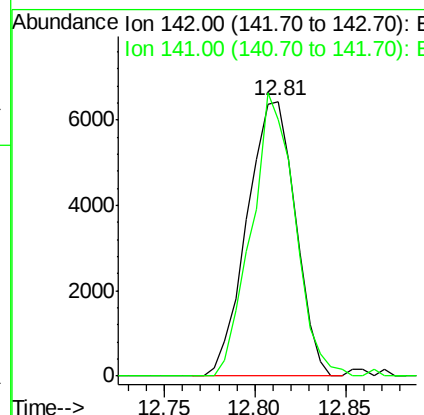
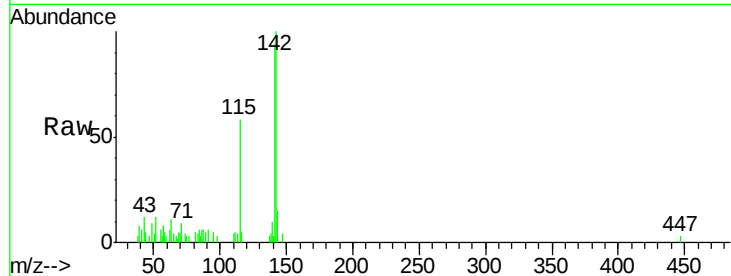
#34
 2-Methylnaphthalene
 Concen: 1.586 ng/ul
 RT: 12.81 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BG028302.D
 Acq: 11 Aug 2017 22:54

Instrument :
 BNA_G
 ClientSampleId :
 C0AF5

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	68.6	102.8

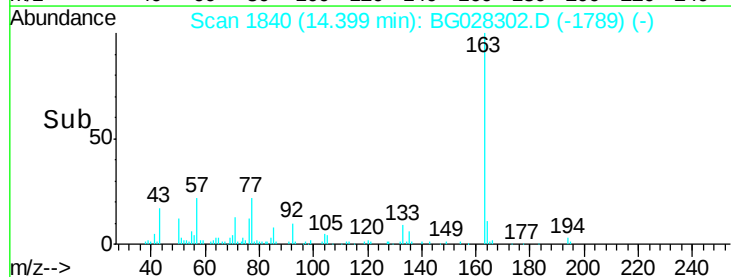
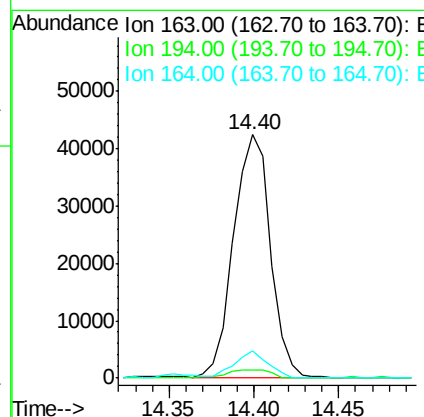
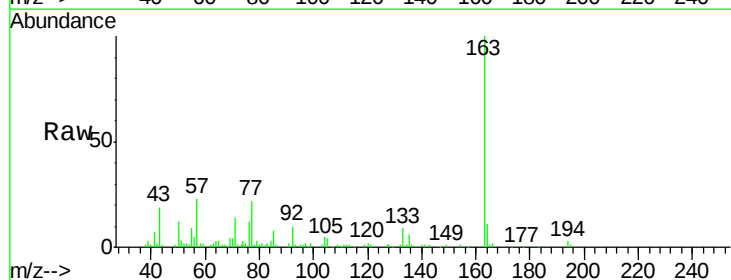
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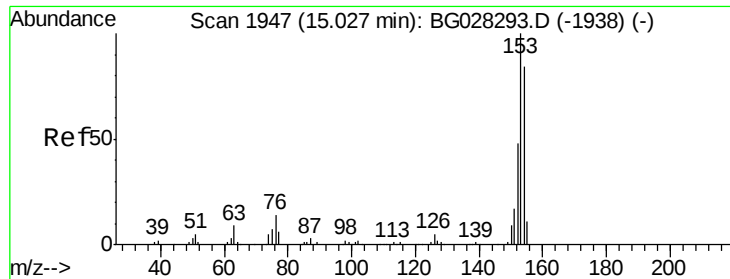
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#44
 Dimethylphthalate
 Concen: 5.955 ng/ul
 RT: 14.40 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BG028302.D
 Acq: 11 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.4	5.0
164	11.4	9.0	13.4





#49

Acenaphthene

Concen: 1.711 ng/ul

RT: 15.03 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Instrument :

BNA_G

ClientSampleId :

C0AF5

Tgt Ion:153 Resp: 14630

Ion Ratio Lower Upper

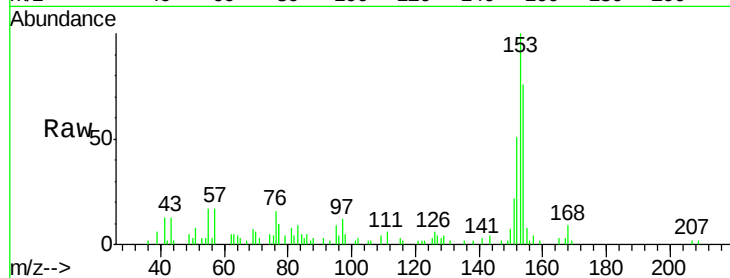
153 100

152 51.2 36.5 54.7

154 75.6 72.3 108.5

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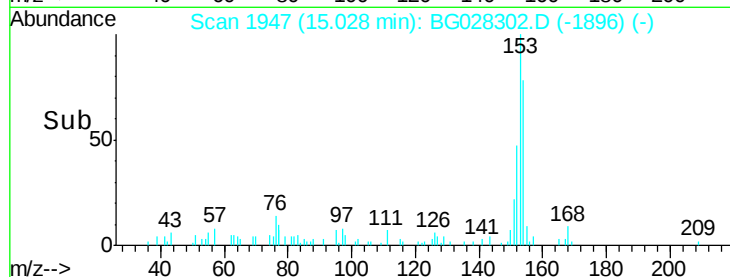


Abundance Ion 153.00 (152.70 to 153.70): E

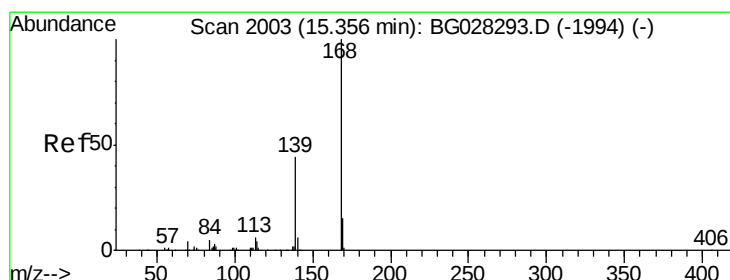
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time--> 14.95 15.00 15.05



Time--> 14.95 15.00 15.05



#53

Dibenzofuran

Concen: 1.542 ng/ul

RT: 15.36 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG028302.D

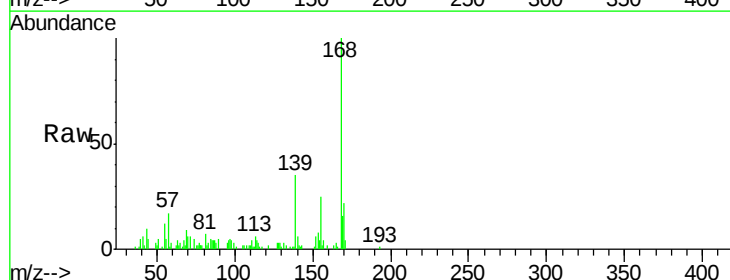
Acq: 11 Aug 2017 22:54

Tgt Ion:168 Resp: 19219

Ion Ratio Lower Upper

168 100

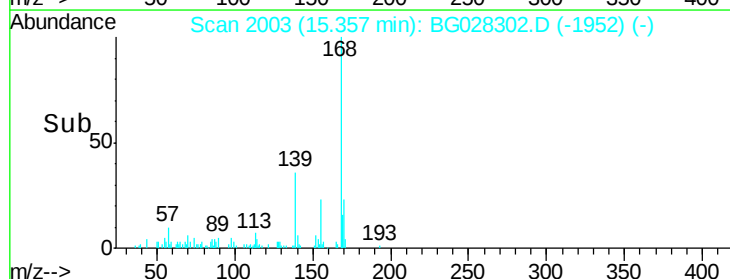
139 34.5 33.8 50.8



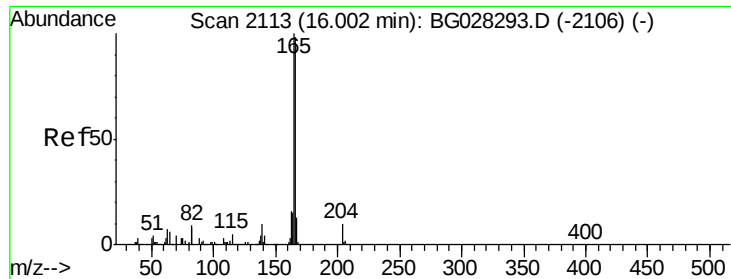
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Time--> 15.30 15.35 15.40



Time--> 15.30 15.35 15.40



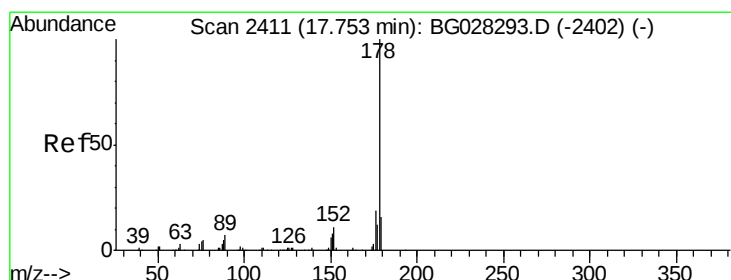
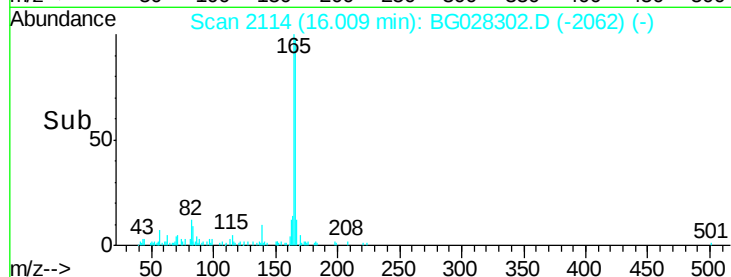
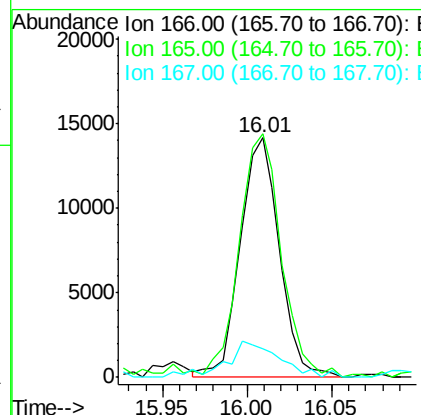
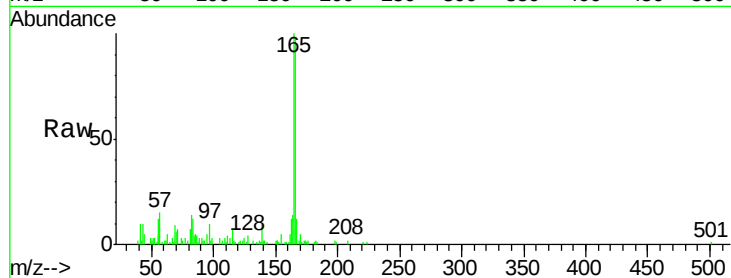
#58
Fluorene
 Concen: 2.070 ng/ul
 RT: 16.01 min Scan# 2114
 Delta R.T. 0.01 min
 Lab File: BG028302.D
 Acq: 11 Aug 2017 22:54

Instrument :
 BNA_G
 ClientSampleId :
 C0AF5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	22853		
165	101.8		79.7	119.5
167	12.2		11.4	17.2

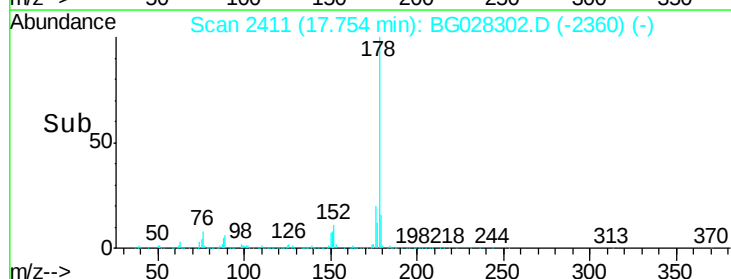
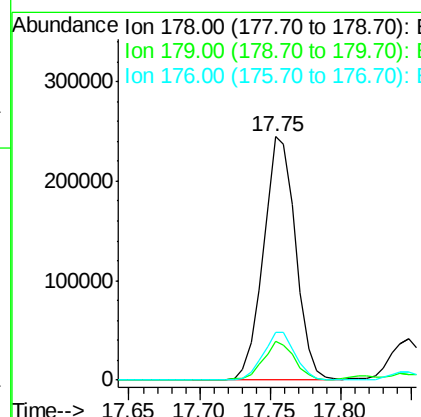
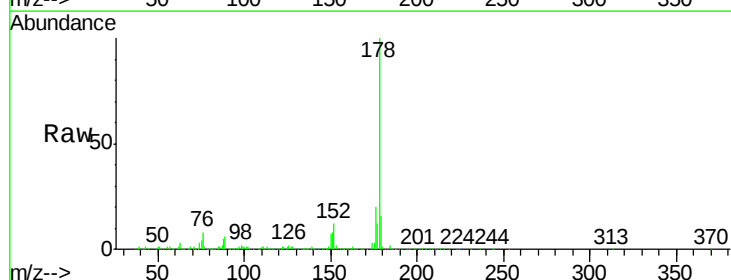
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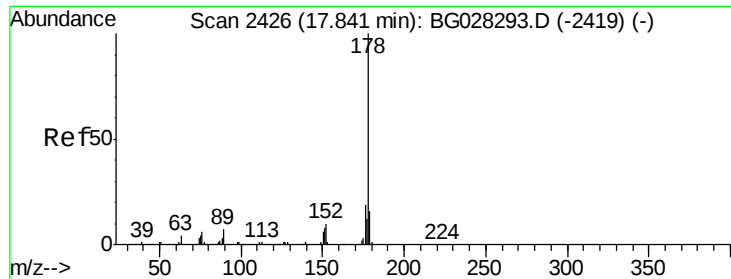
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#69
Phenanthrene
 Concen: 26.106 ng/ul
 RT: 17.75 min Scan# 2411
 Delta R.T. 0.00 min
 Lab File: BG028302.D
 Acq: 11 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	391158		
179	16.1		12.4	18.6
176	19.7		16.5	24.7





#71

Anthracene

Concen: 4.356 ng/u1

RT: 17.85 min Scan# 2427

Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Instrument :

BNA_G

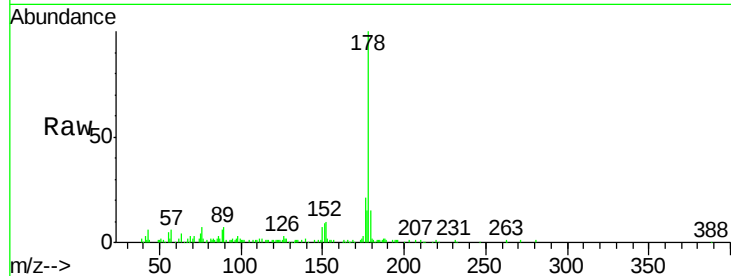
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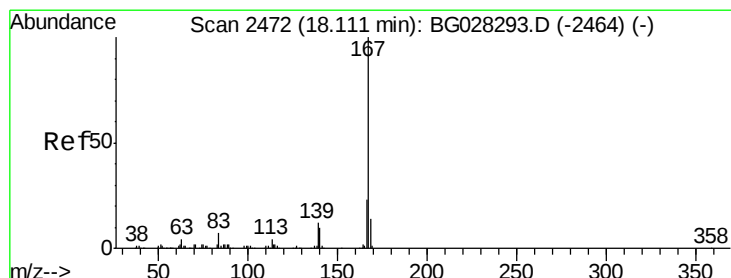
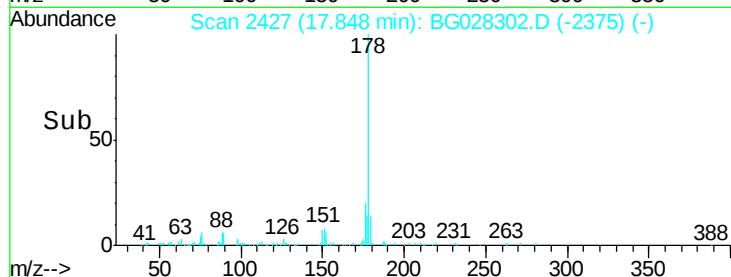
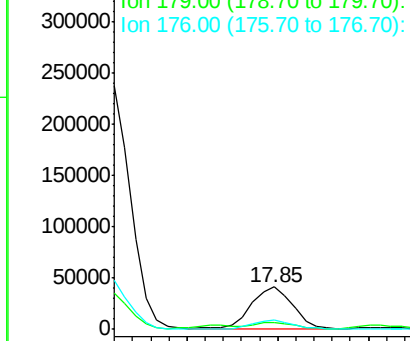
Tgt Ion:	178	Resp:	66706
Ion Ratio	Lower	Upper	
178	100		
179	14.5	12.6	19.0
176	20.8	15.9	23.9

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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



#72

Carbazole

Concen: 3.008 ng/u1

RT: 18.12 min Scan# 2473

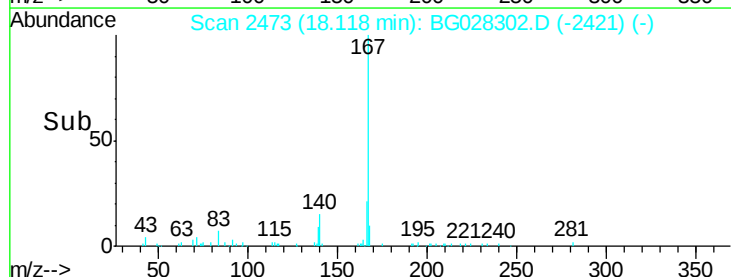
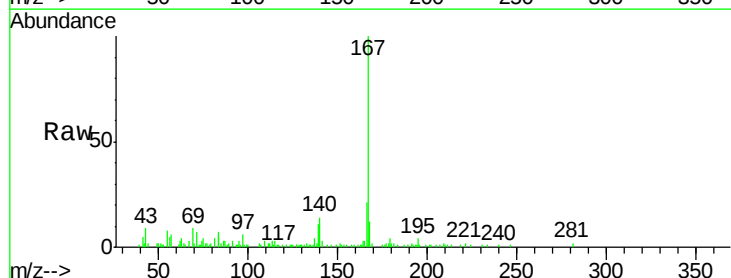
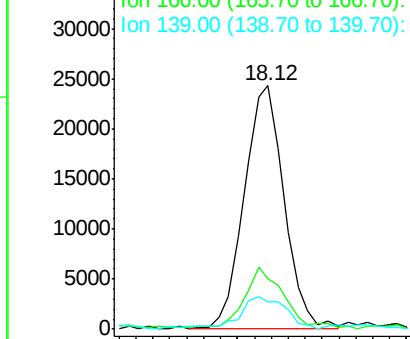
Delta R.T. 0.01 min

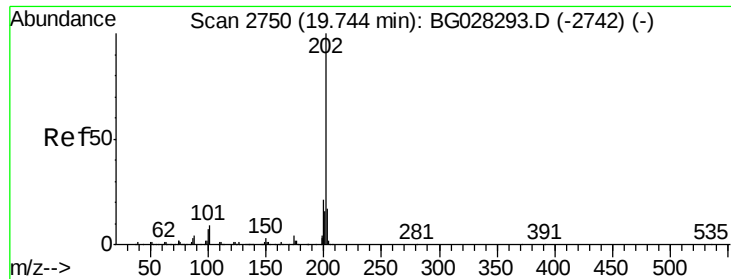
Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Tgt Ion:	167	Resp:	40064
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.9	26.9
139	11.2	10.5	15.7

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 31.620 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Instrument :

BNA_G

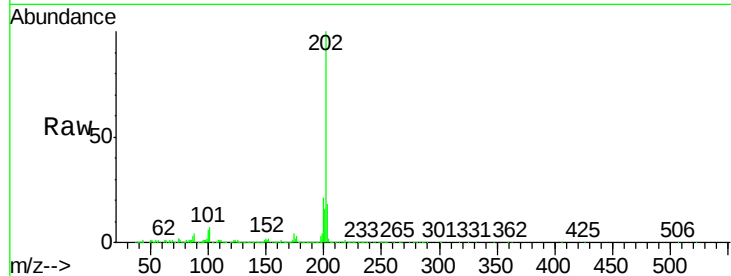
ClientSampleId :

C0AF5

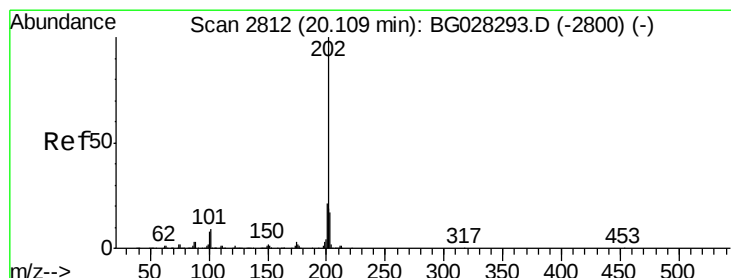
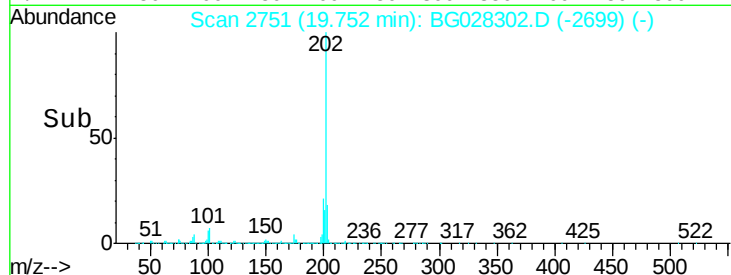
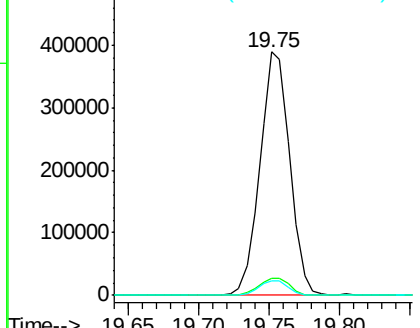
Tgt	Ion	202	Resp:	575766
Ion	Ratio	Lower	Upper	
202	100			
101	7.2	6.2	9.2	
100	5.8	5.2	7.8	

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Abundance Ion 202.00 (201.70 to 202.70): E



#77

Pyrene

Concen: 24.927 ng/ul

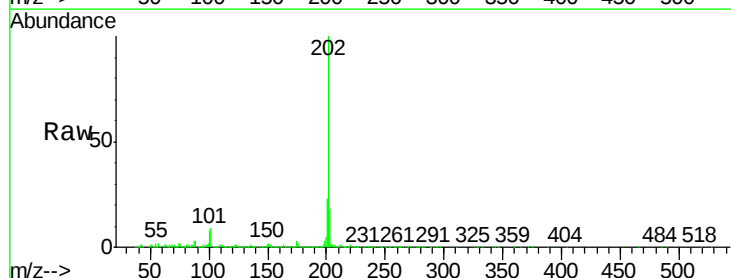
RT: 20.12 min Scan# 2813

Delta R.T. 0.01 min

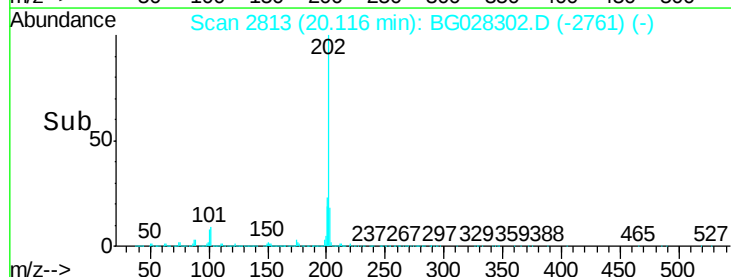
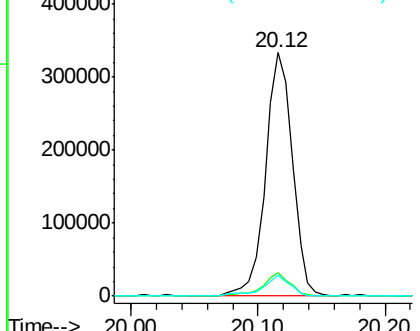
Lab File: BG028302.D

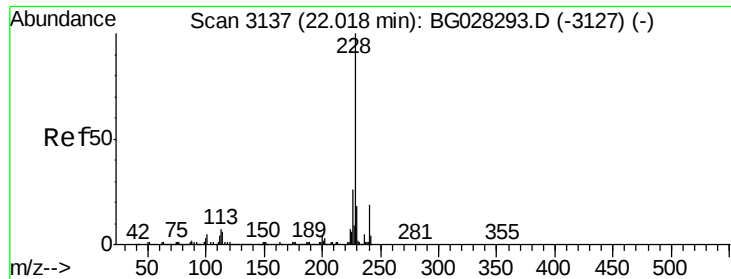
Acq: 11 Aug 2017 22:54

Tgt	Ion	202	Resp:	488032
Ion	Ratio	Lower	Upper	
202	100			
101	9.4	6.9	10.3	
100	8.4	6.6	10.0	



Abundance Ion 202.00 (201.70 to 202.70): E





#80

Benzo(a)anthracene

Concen: 12.600 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Instrument :

BNA_G

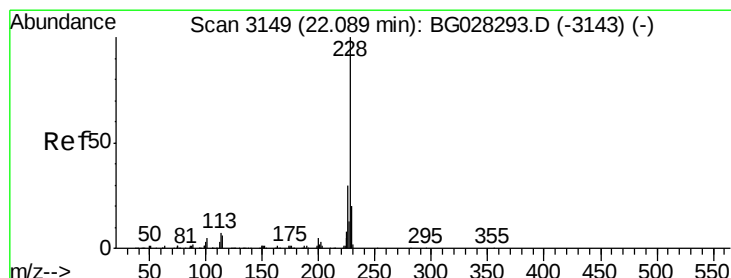
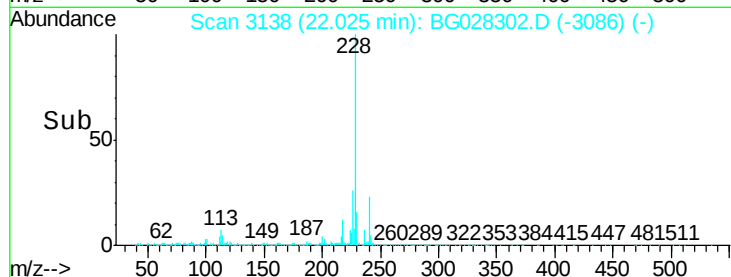
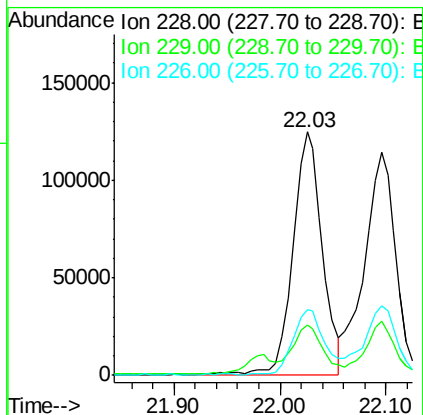
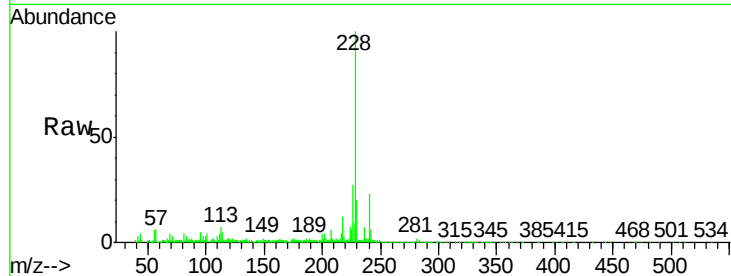
ClientSampleId :

C0AF5

Tgt	Ion	228	Resp:	238914
	Ion	Ratio	Lower	Upper
	228	100		
	229	20.5	16.3	24.5
	226	26.9	21.9	32.9

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#82

Chrysene

Concen: 13.669 ng/ul

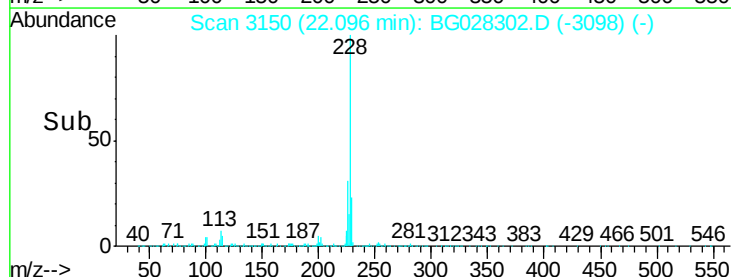
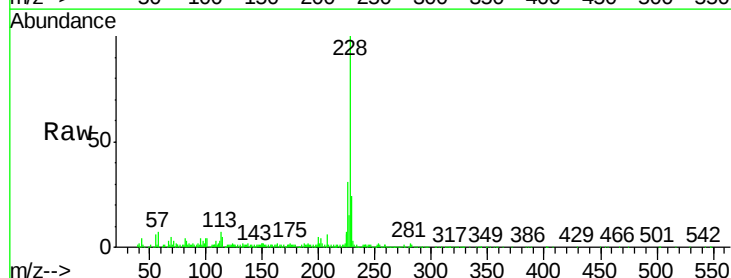
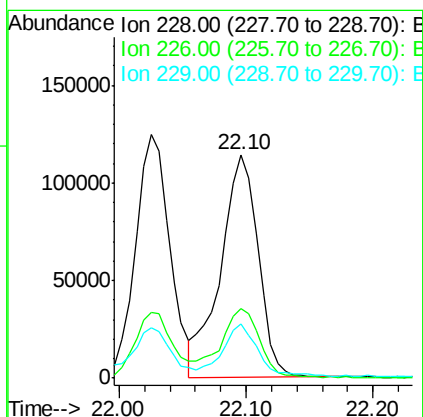
RT: 22.10 min Scan# 3150

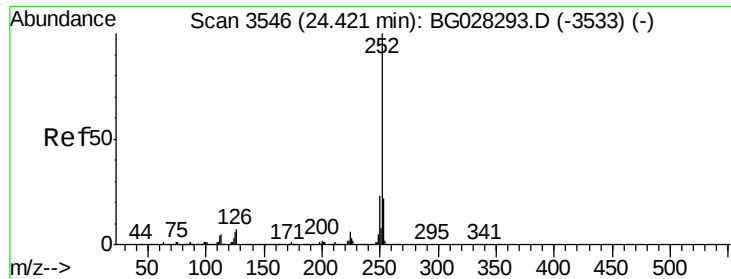
Delta R.T. 0.01 min

Lab File: BG028302.D

Acq: 11 Aug 2017 22:54

Tgt	Ion	228	Resp:	233417
	Ion	Ratio	Lower	Upper
	228	100		
	226	31.2	24.0	36.0
	229	24.0	16.9	25.3





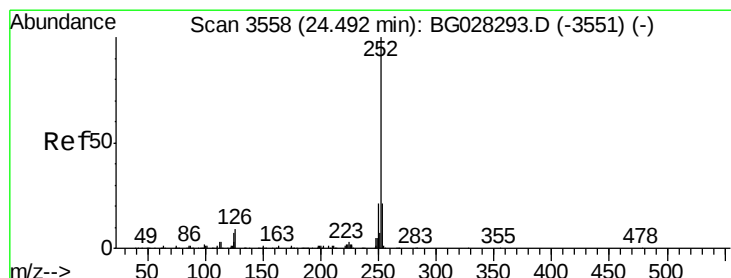
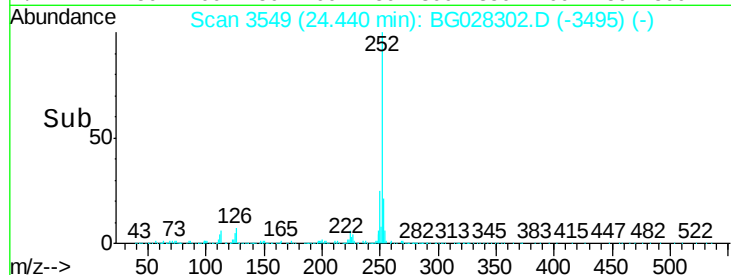
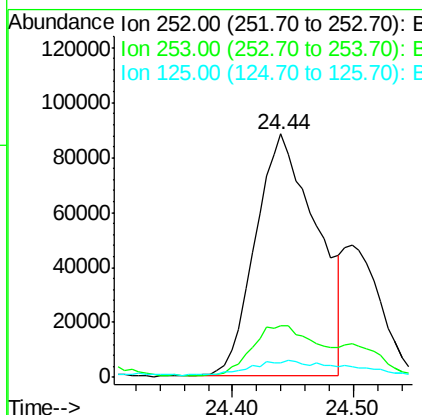
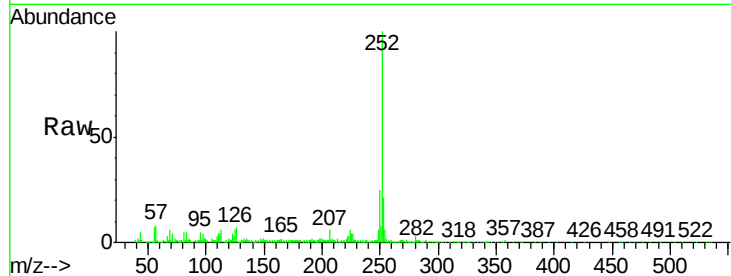
#85
Benzo(b)fluoranthene
Concen: 16.054 ng/ul
RT: 24.44 min Scan# 3549
Delta R.T. 0.02 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Instrument :
BNA_G
ClientSampled :
C0AF5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	6.2	4.0	6.0#

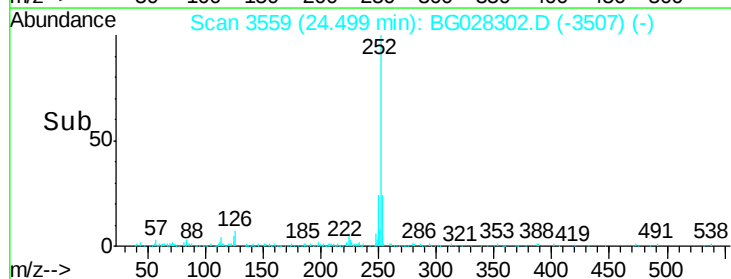
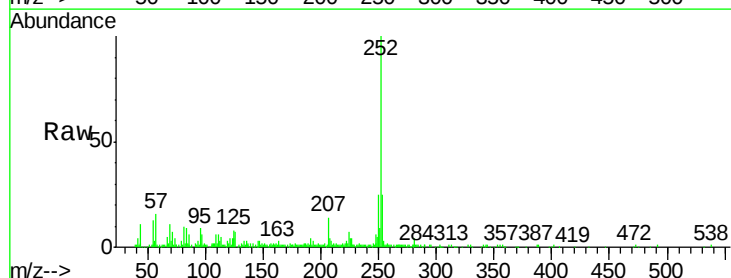
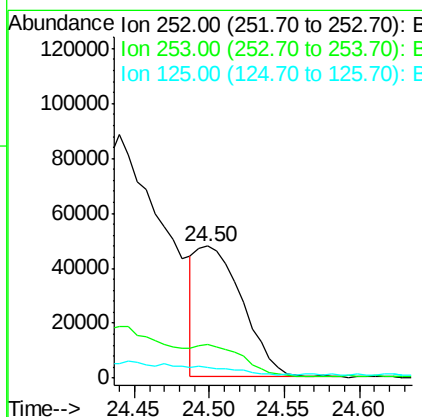
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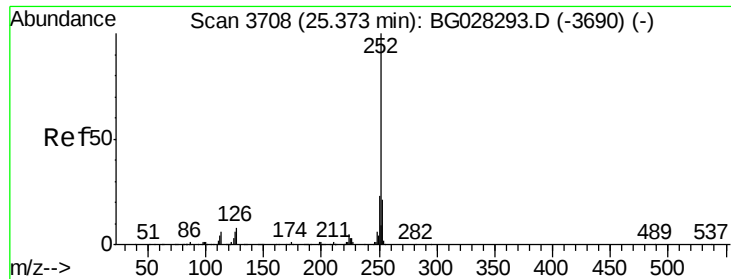
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#86
Benzo(k)fluoranthene
Concen: 5.353 ng/ul m
RT: 24.50 min Scan# 3559
Delta R.T. 0.01 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	7.6	4.1	6.1#





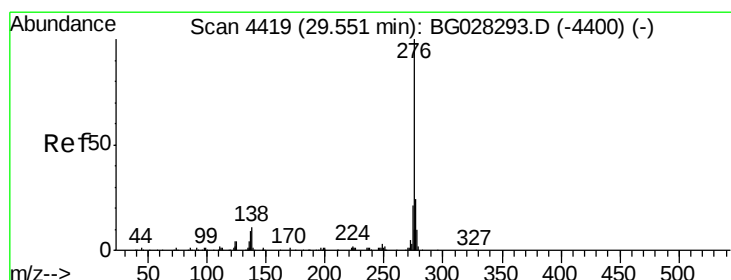
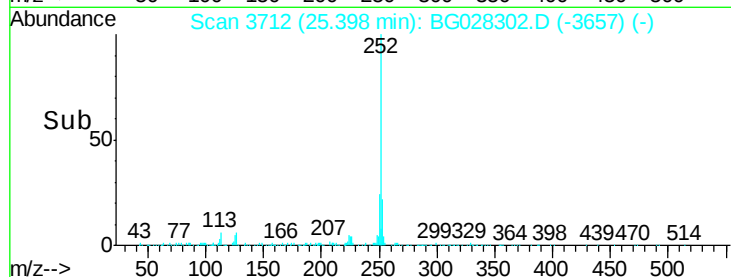
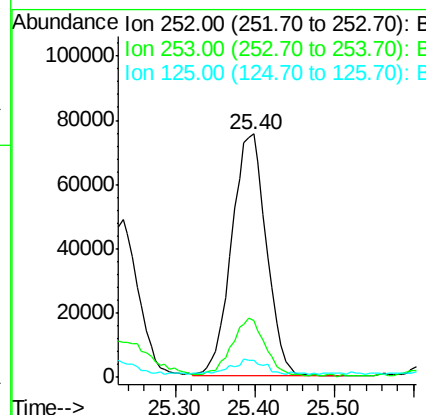
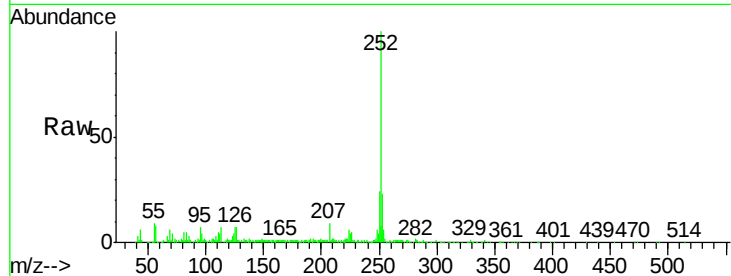
#88
Benzo(a)pyrene
Concen: 12.169 ng/ul
RT: 25.40 min Scan# 3712
Delta R.T. 0.02 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Instrument :
BNA_G
ClientSampleId :
C0AF5

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	228784		
253	23.1		17.8	26.6
125	6.8		5.4	8.0

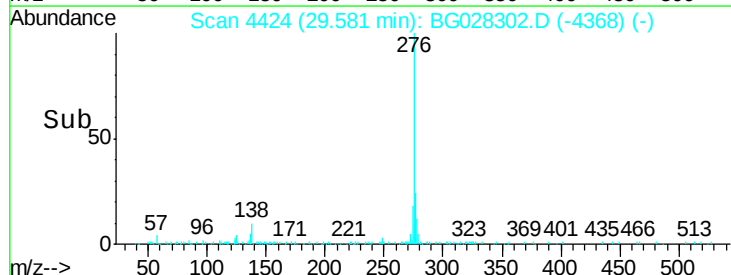
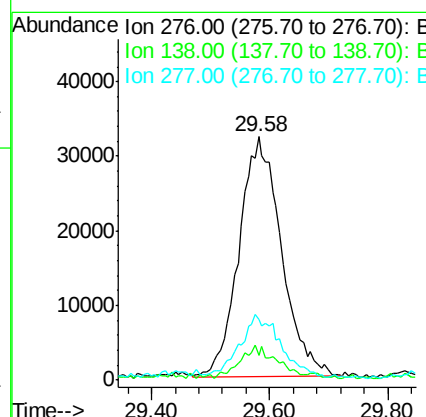
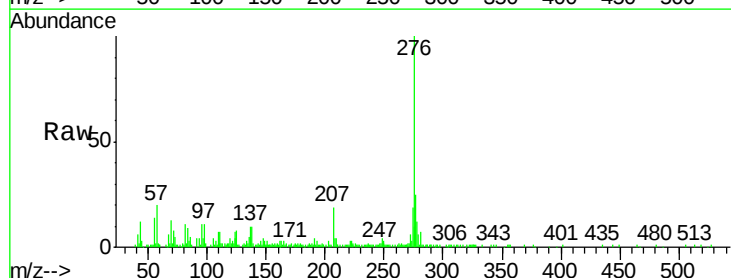
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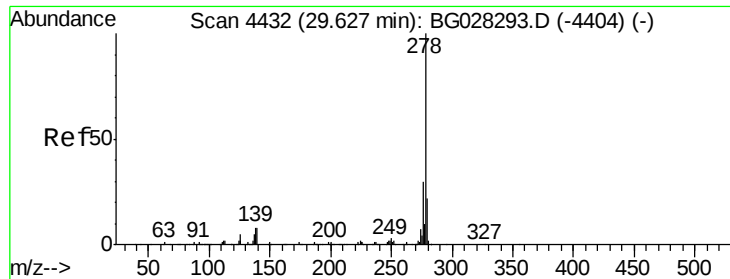
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#89
Indeno(1,2,3-cd)pyrene
Concen: 7.290 ng/ul
RT: 29.58 min Scan# 4424
Delta R.T. 0.03 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	160491		
138	10.4		8.2	12.4
277	24.6		18.6	28.0





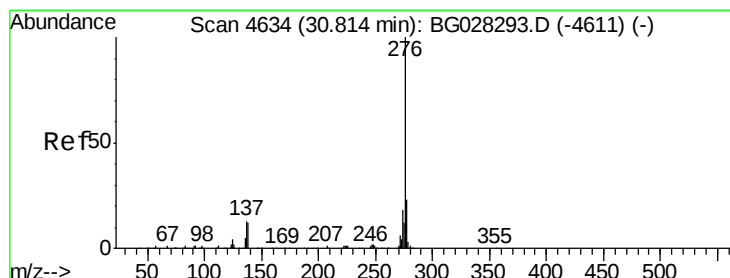
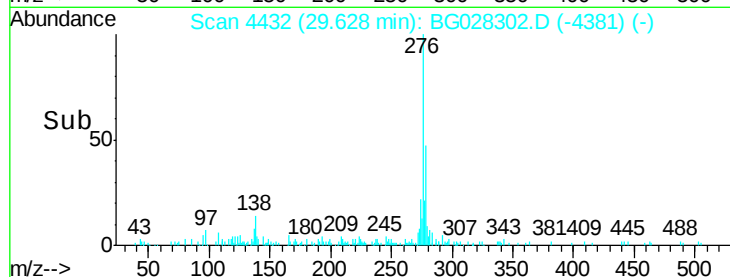
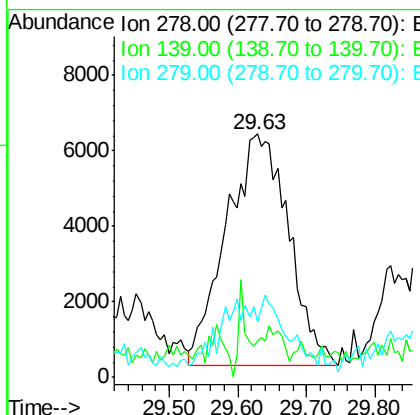
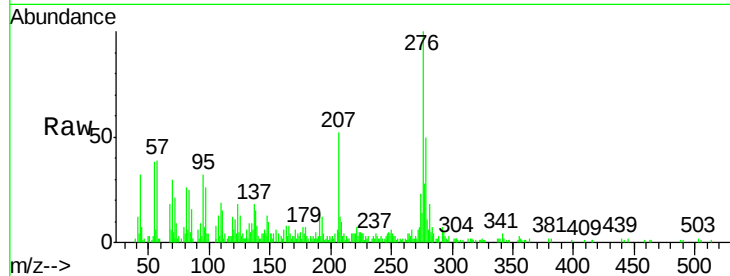
#90
Dibenzo(a,h)anthracene
Concen: 2.098 ng/ul
RT: 29.63 min Scan# 4432
Delta R.T. 0.00 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Instrument :
BNA_G
ClientSampleId :
C0AF5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	6.7	10.1#
279	22.7	20.9	31.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.864 ng/ul
RT: 30.86 min Scan# 4641
Delta R.T. 0.04 min
Lab File: BG028302.D
Acq: 11 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	8.6	12.8#
277	26.1	17.6	26.4

