

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018225.D
 Acq On : 2 Aug 2015 14:40
 Operator : TP
 Sample : G3065-15RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02H4RE

Manual Integrations
 APPROVED

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 8/4/2015 12:19:16 PM

Quant Time: Aug 03 08:53:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	141167	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	570313	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	289685	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	520699m	20.00	ng/ul	0.01
78) Chrysene-d12	21.15	240	852528	20.00	ng/ul	0.03
86) Perylene-d12	23.36	264	928884	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	2746	1.47	ng/uL	0.00
5) Phenol-d5	6.68	99	128693	10.14	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.82	67	70023	10.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	115256	12.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	64210	6.21	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	64937m	14.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.35	143	73580	14.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	108550	11.91	ng/ul	0.01
29) 4-Chloroaniline-d4	10.41	131	18684	1.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.57	166	309063	13.81	ng/ul	0.00
47) Acenaphthylene-d8	13.84	160	342708	13.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	16923	4.08	ng/ul	0.00
58) Fluorene-d10	15.16	176	236804	11.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	9011m	2.48	ng/ul	0.00
71) Anthracene-d10	17.02	188	294406	13.00	ng/ul	0.01
79) Pyrene-d10	19.34	212	373489	9.06	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.21	264	566260	12.05	ng/ul	0.06

Target Compounds

					Qvalue	
28) Naphthalene	10.31	128	124466	4.53	ng/ul	99
34) 2-Methylnaphthalene	11.94	142	112805	5.19	ng/ul	94
35) 1-Methylnaphthalene	12.17	142	63685	3.05	ng/ul#	100
45) Dimethylphthalate	13.62	163	53013	2.38	ng/ul	98
50) Acenaphthene	14.22	153	29695	1.77	ng/ul	97
54) Dibenzofuran	14.56	168	32170	1.27	ng/ul#	80
59) Fluorene	15.21	166	41590	1.91	ng/ul#	93
70) Phenanthrene	16.96	178	319707	12.09	ng/ul	99
72) Anthracene	17.05	178	108091m	4.11	ng/ul	
75) Carbazole	17.33	167	32919m	1.51	ng/ul	
76) Di-n-butylphthalate	17.90	149	57962m	1.99	ng/ul	
77) Fluoranthene	19.00	202	710164m	24.44	ng/ul	
80) Pyrene	19.37	202	706100	13.65	ng/ul#	92
81) Butylbenzylphthalate	20.28	149	130444	6.21	ng/ul#	75
83) Benzo(a)anthracene	21.13	228	463285	10.09	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.06	149	1334198	47.08	ng/ul#	91
85) Chrysene	21.18	228	517238	12.30	ng/ul#	91
88) Benzo(b)fluoranthene	22.69	252	828635	14.85	ng/ul#	85
89) Benzo(k)fluoranthene	22.73	252	257366m	5.02	ng/ul	
91) Benzo(a)pyrene	23.26	252	535819	10.73	ng/ul#	82
92) Indeno(1,2,3-cd)pyrene	25.59	276	334489	5.79	ng/ul#	88
93) Dibenzo(a,h)anthracene	25.59	278	85394	1.73	ng/ul#	57
94) Benzo(g,h,i)perylene	26.28	276	295301m	6.26	ng/ul	

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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8/4/2015 12:19:16 PM

Quant Time: Aug 03 08:53:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

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

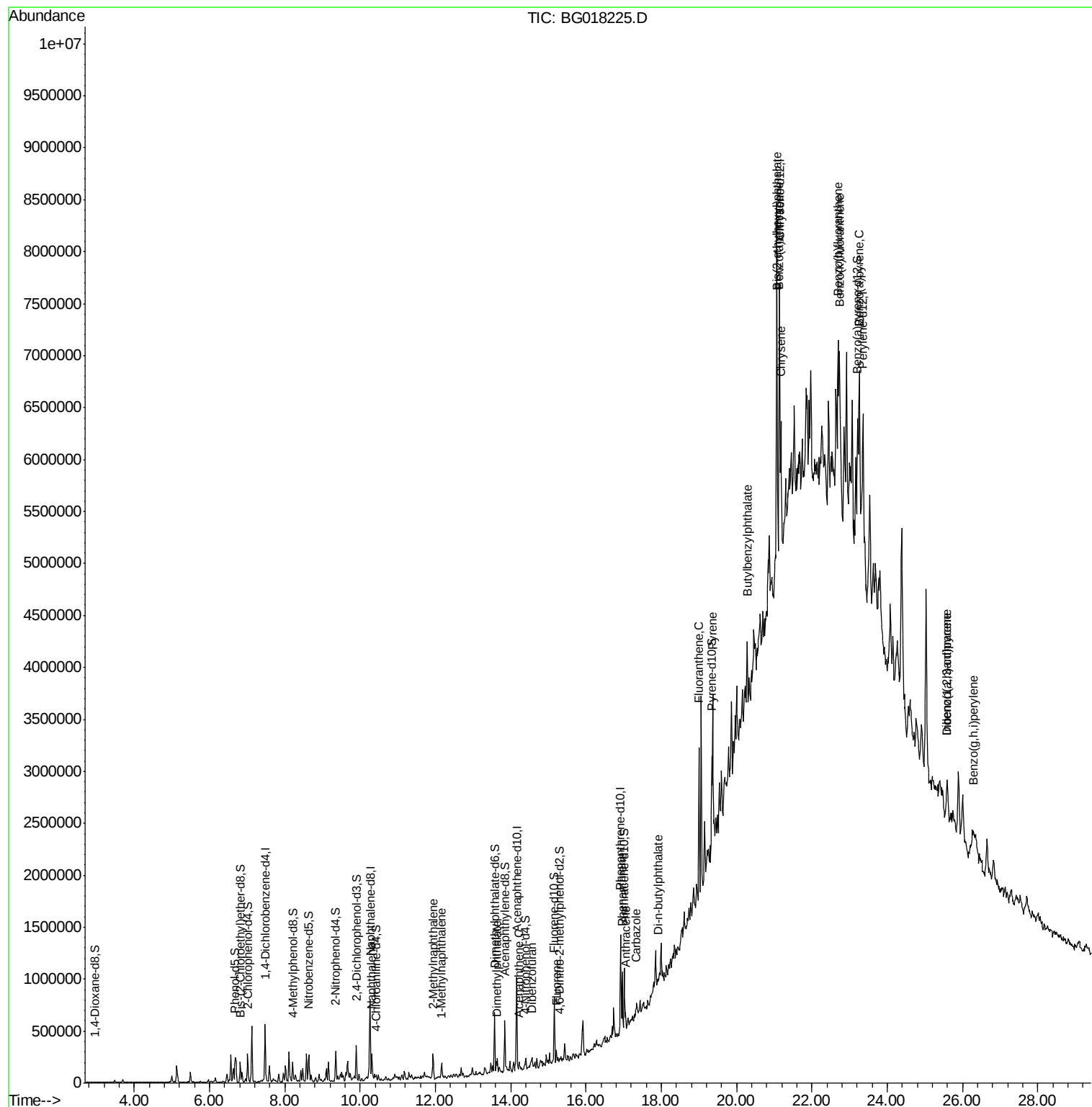
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018225.D
Acq On : 2 Aug 2015 14:40
Operator : TP
Sample : G3065-15RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

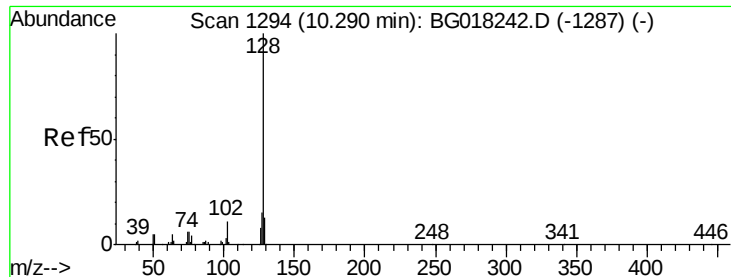
Instrument :
BNA_G
ClientSampled :
C02H4RE

Manual Integrations
APPROVED

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Quant Time: Aug 03 08:53:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
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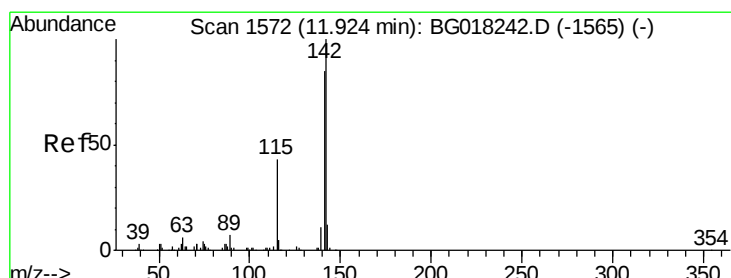
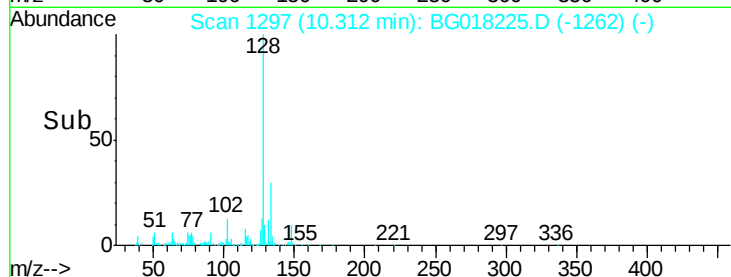
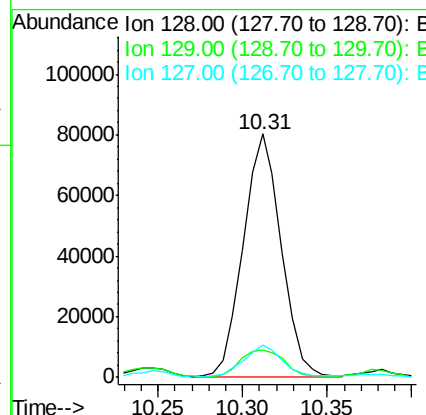
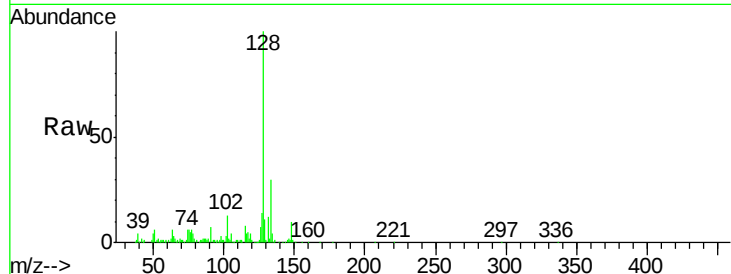
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Naphthalene
Concen: 4.53 ng/ul
RT: 10.31 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Instrument :
BNA_G
ClientSampleId :
C02H4RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	124466		
129	11.0	9.1	13.7	
127	13.6	11.2	16.8	

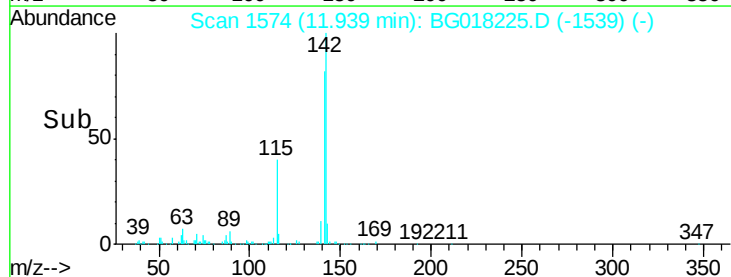
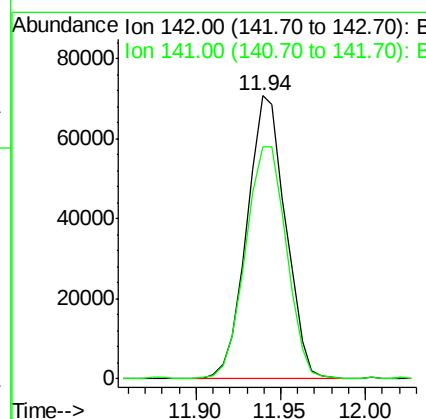
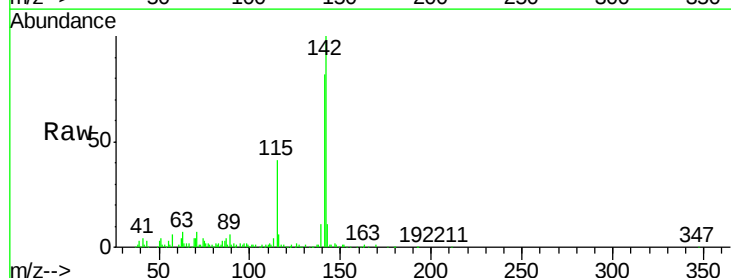
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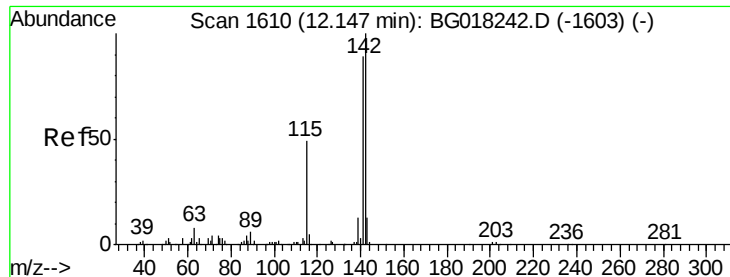
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#34
2-Methylnaphthalene
Concen: 5.19 ng/ul
RT: 11.94 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	112805		
141	82.2	70.3	105.5	





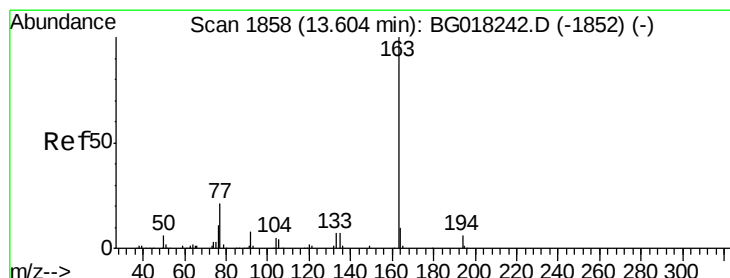
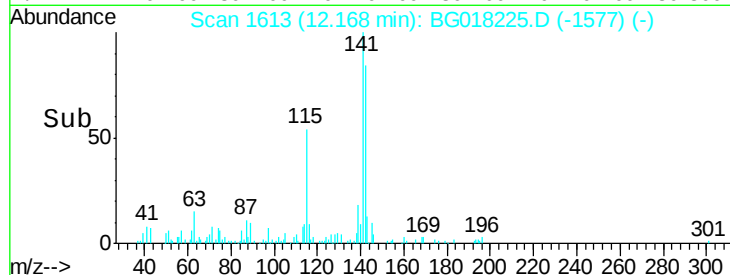
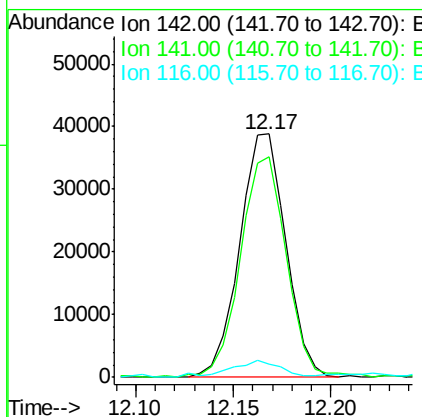
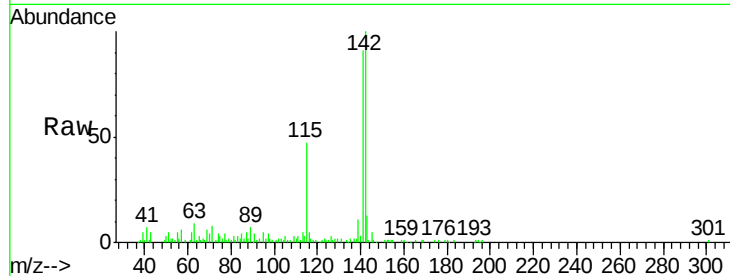
#35
 1-Methylnaphthalene
 Concen: 3.05 ng/ul
 RT: 12.17 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BG018225.D
 Acq: 2 Aug 2015 14:40

Instrument :
 BNA_G
 ClientSampleId :
 C02H4RE

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	63685		
141	90.7	72.5	108.7	
116	5.3	2.6	4.0#	

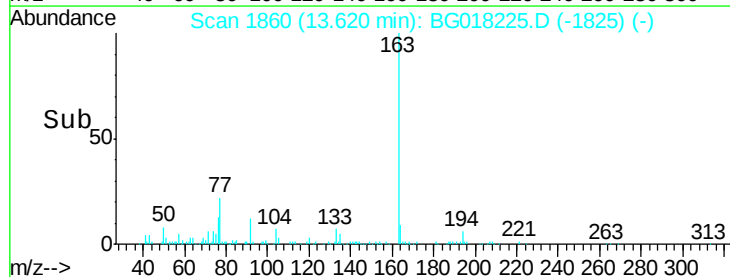
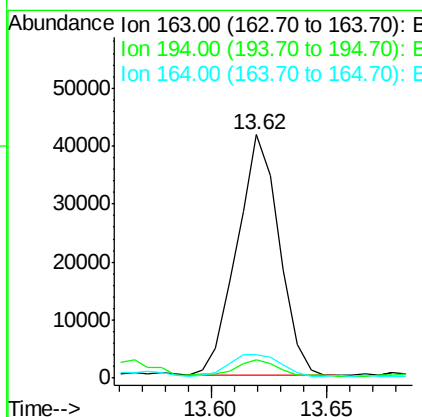
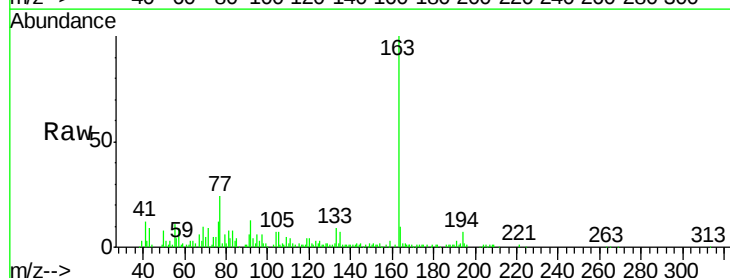
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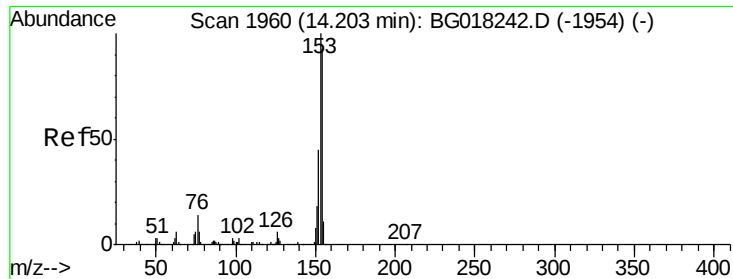
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#45
 Dimethylphthalate
 Concen: 2.38 ng/ul
 RT: 13.62 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: BG018225.D
 Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53013		
194	7.3	5.2	7.8	
164	9.7	8.4	12.6	





#50

Acenaphthene

Concen: 1.77 ng/ul

RT: 14.22 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BG018225.D

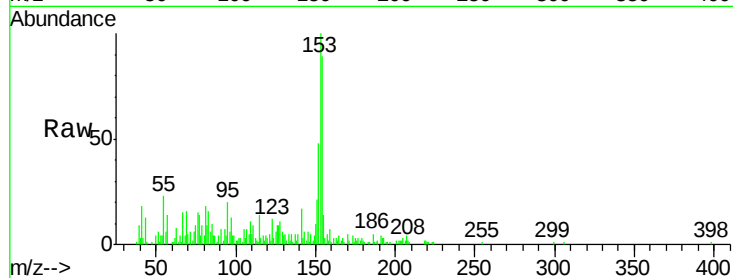
Acq: 2 Aug 2015 14:40

Instrument :

BNA_G

ClientSampleId :

C02H4RE



Tgt Ion:153 Resp: 29695

Ion Ratio Lower Upper

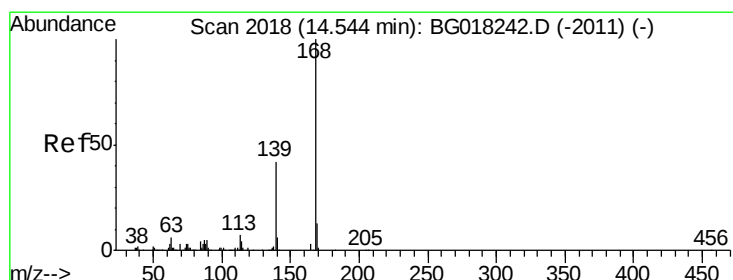
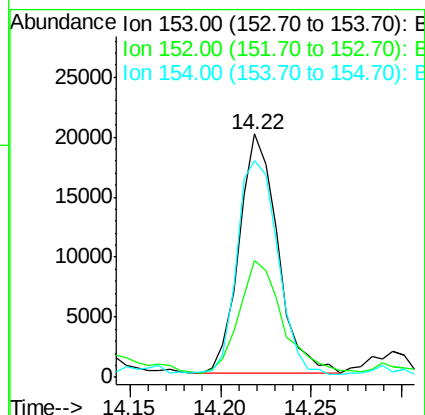
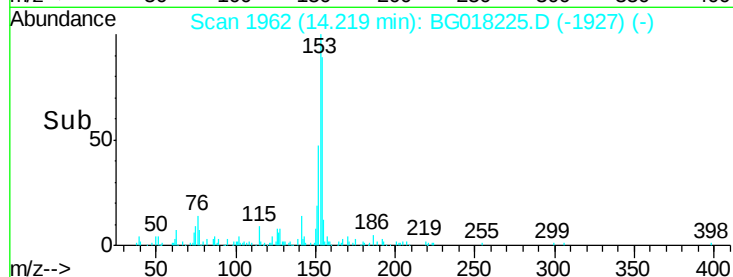
153 100

152 47.8 38.7 58.1

154 88.9 74.8 112.2

Manual Integrations
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#54

Dibenzofuran

Concen: 1.27 ng/ul

RT: 14.56 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BG018225.D

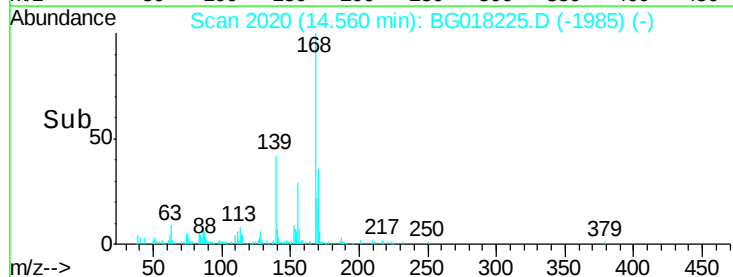
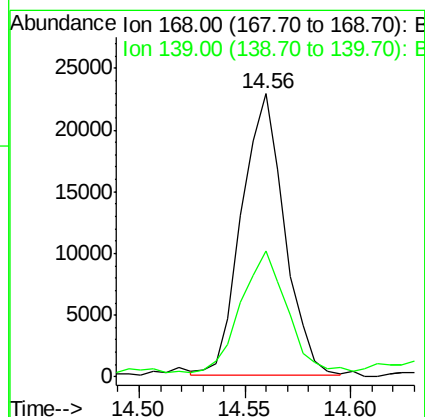
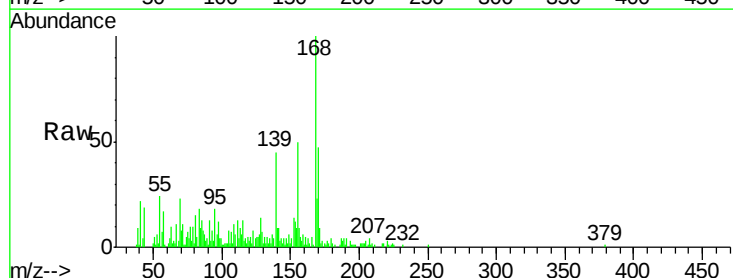
Acq: 2 Aug 2015 14:40

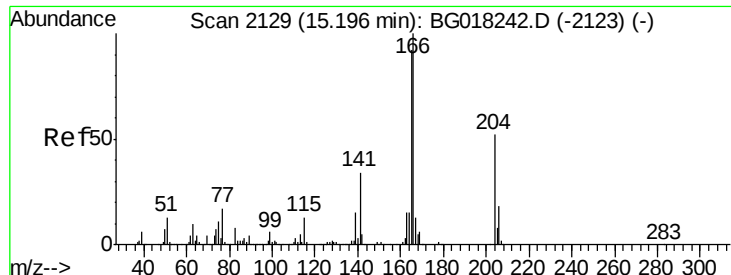
Tgt Ion:168 Resp: 32170

Ion Ratio Lower Upper

168 100

139 44.7 26.8 40.2#





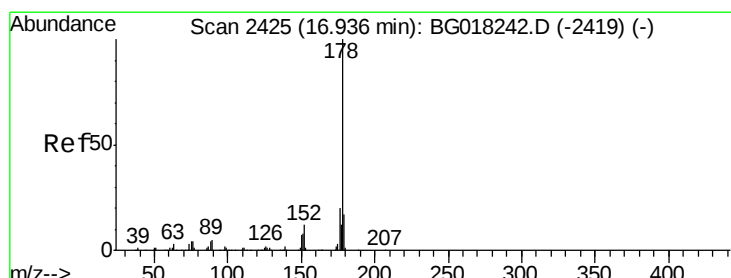
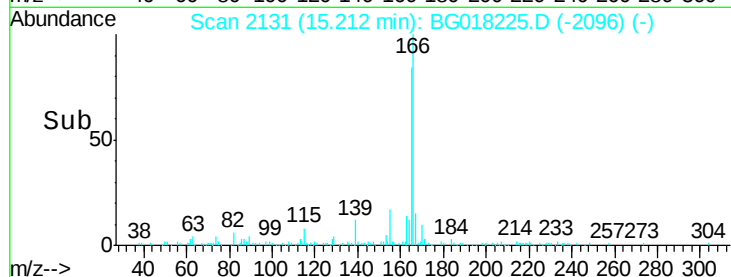
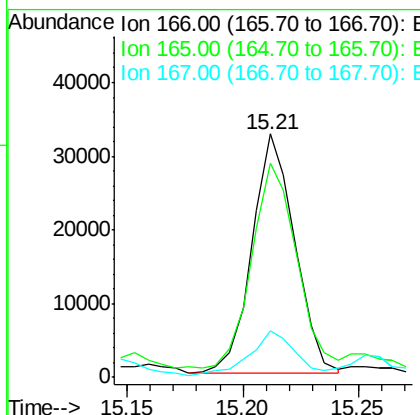
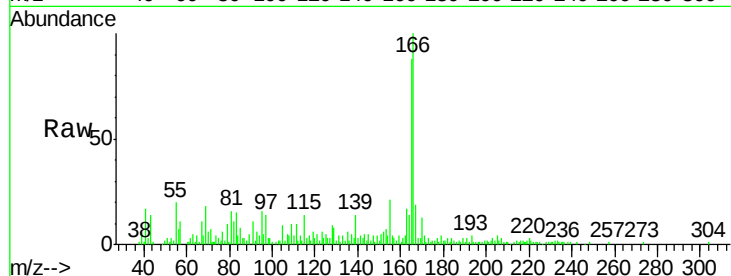
#59
Fluorene
 Concen: 1.91 ng/ul
 RT: 15.21 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: BG018225.D
 Acq: 2 Aug 2015 14:40

Instrument :
 BNA_G
 ClientSampleId :
 C02H4RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	41590		
165	88.0	75.1	112.7	
167	19.1	11.8	17.6	

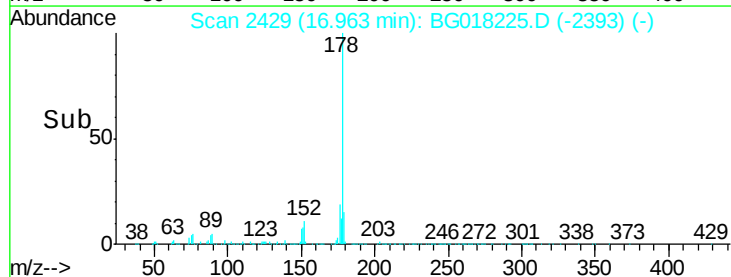
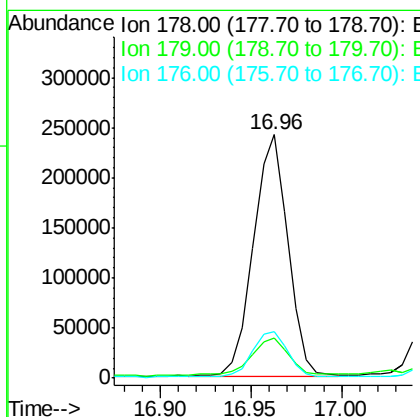
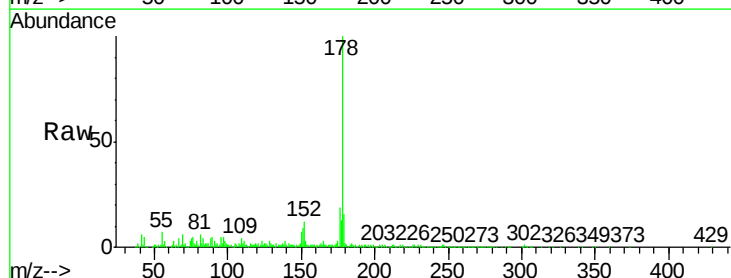
Manual Integrations
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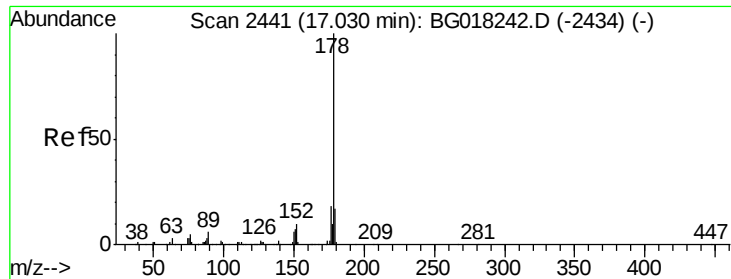
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#70
Phenanthrene
 Concen: 12.09 ng/ul
 RT: 16.96 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BG018225.D
 Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	319707		
179	16.3	12.8	19.2	
176	19.3	16.0	24.0	





#72

Anthracene

Concen: 4.11 ng/ul m

RT: 17.05 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Instrument :

BNA_G

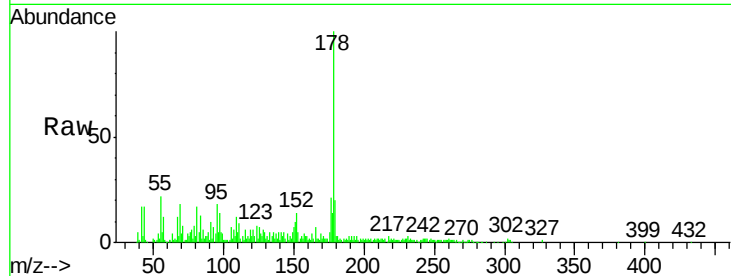
ClientSampleId :

C02H4RE

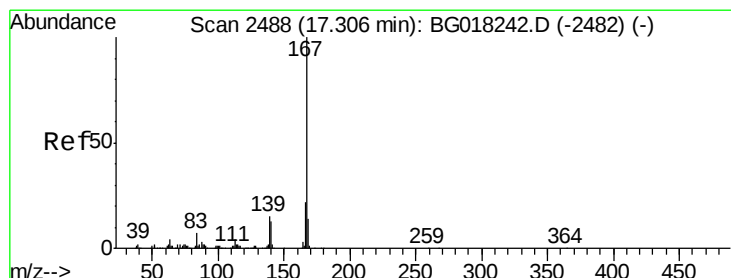
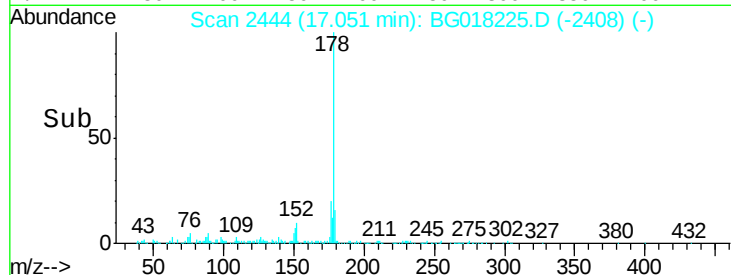
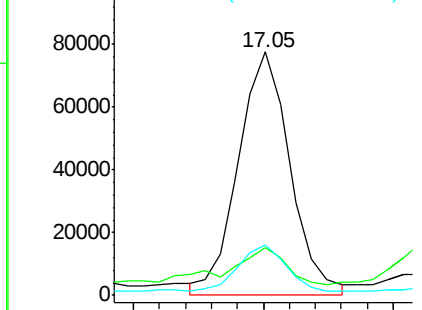
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	108091		
179	19.5	12.2	18.2#	
176	20.7	14.8	22.2	

Manual Integrations
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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



#75

Carbazole

Concen: 1.51 ng/ul m

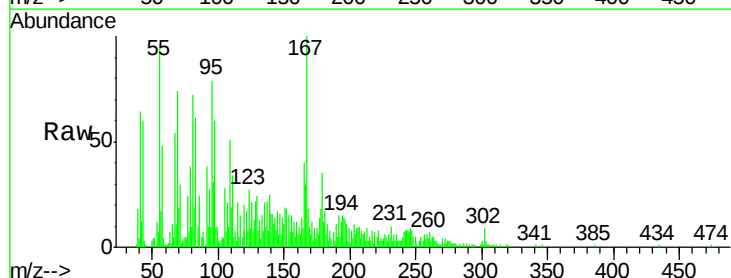
RT: 17.33 min Scan# 2491

Delta R.T. 0.01 min

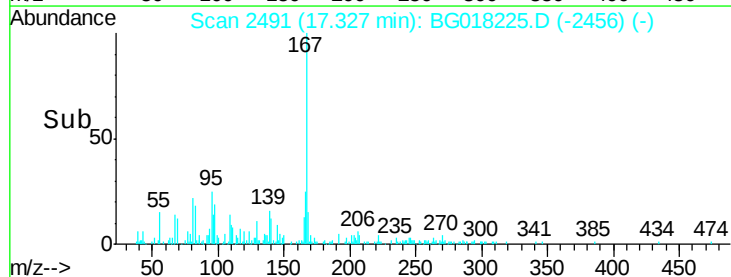
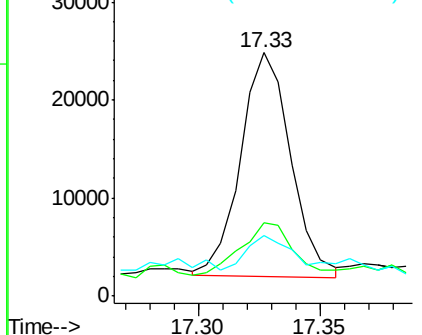
Lab File: BG018225.D

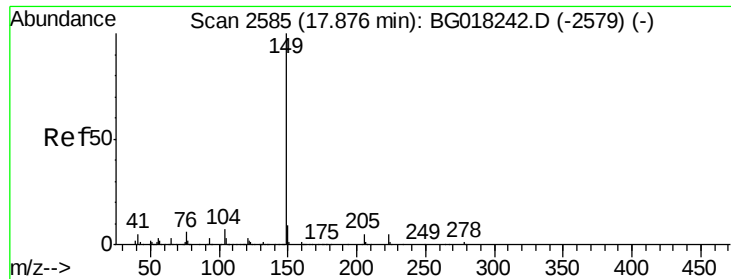
Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	32919		
166	30.2	17.5	26.3#	
139	25.0	10.1	15.1#	



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





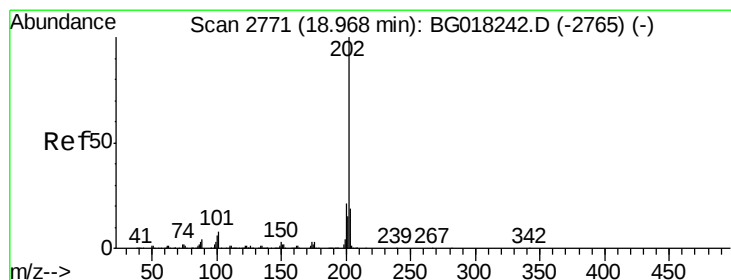
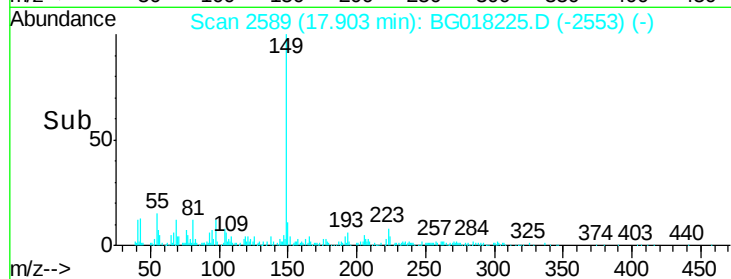
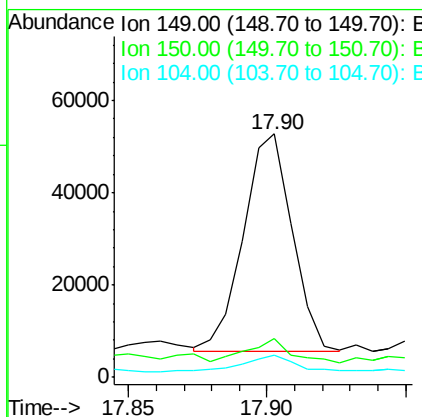
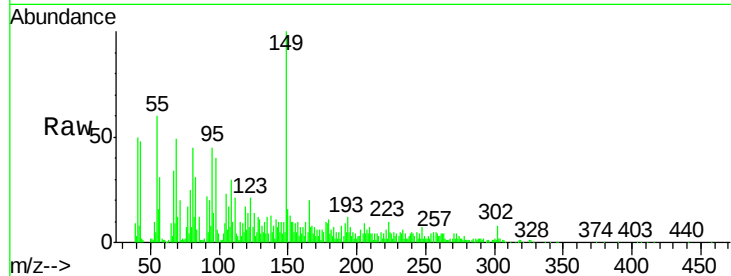
#76
Di-n-butylphthalate
Concen: 1.99 ng/ul m
RT: 17.90 min Scan# 2589
Delta R.T. 0.01 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Instrument :
BNA_G
ClientSampleId :
C02H4RE

Tgt Ion	Ratio	Lower	Upper
149	100		
150	15.9	7.7	11.5#
104	9.0	3.6	5.4#

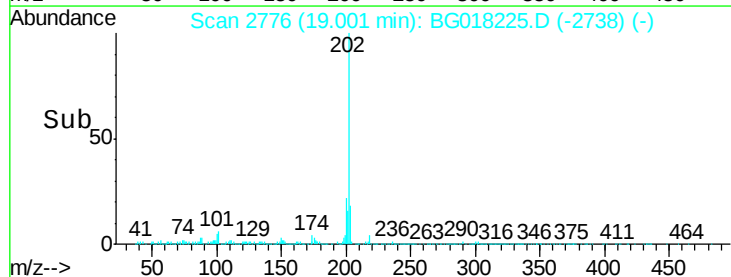
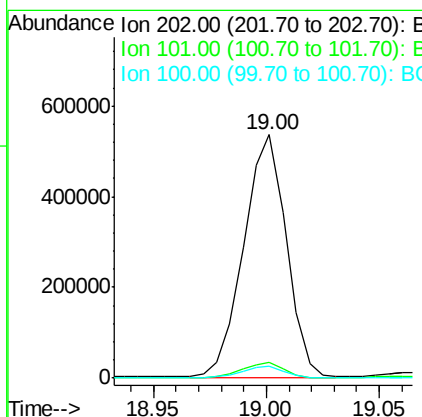
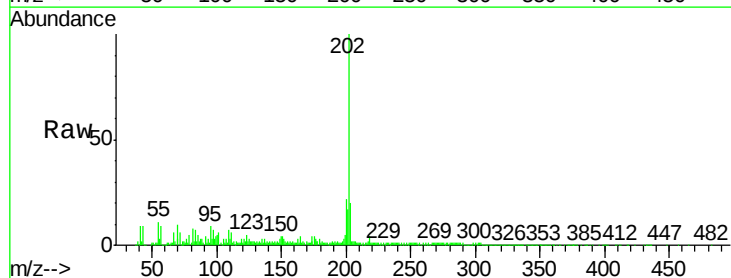
Manual Integrations
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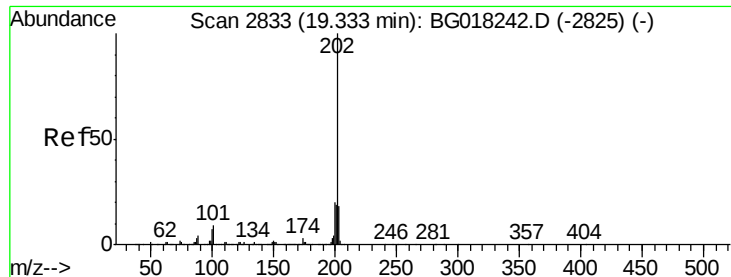
MMDadoda
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#77
Fluoranthene
Concen: 24.44 ng/ul m
RT: 19.00 min Scan# 2776
Delta R.T. 0.02 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	7.5	11.3#
100	4.7	5.5	8.3#





#80

Pyrene

Concen: 13.65 ng/ul

RT: 19.37 min Scan# 2838

Delta R.T. 0.02 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Instrument :

BNA_G

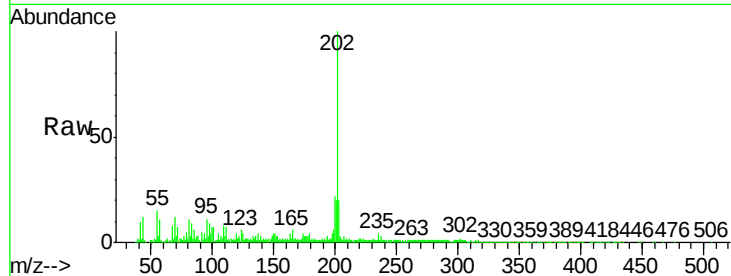
ClientSampleId :

C02H4RE

Tgt Ion:	202	Resp:	706100
Ion Ratio		Lower	Upper
202	100		
101	6.9	8.1	12.1#
100	6.7	7.4	11.0#

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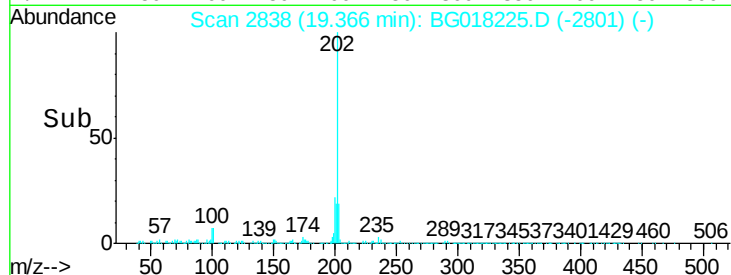


Abundance Ion 202.00 (201.70 to 202.70): E

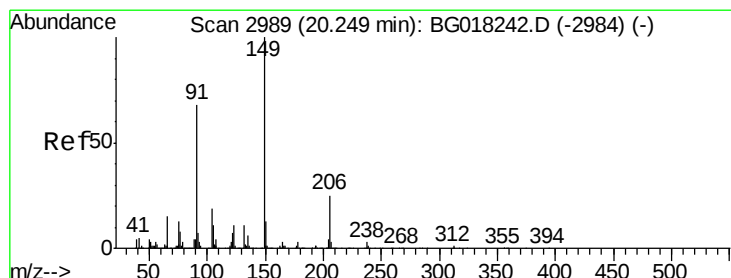
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



Time-->



#81

Butylbenzylphthalate

Concen: 6.21 ng/ul

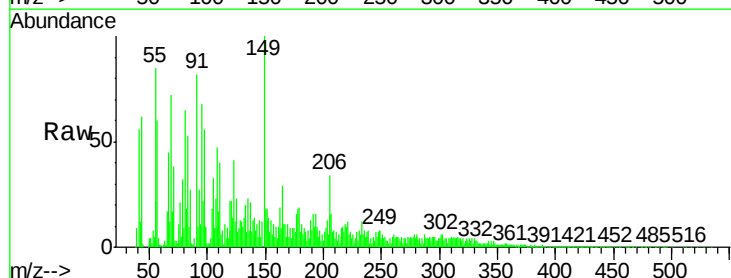
RT: 20.28 min Scan# 2994

Delta R.T. 0.02 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Tgt Ion:	149	Resp:	130444
Ion Ratio		Lower	Upper
149	100		
91	81.6	46.6	69.8#
206	33.5	21.8	32.8#

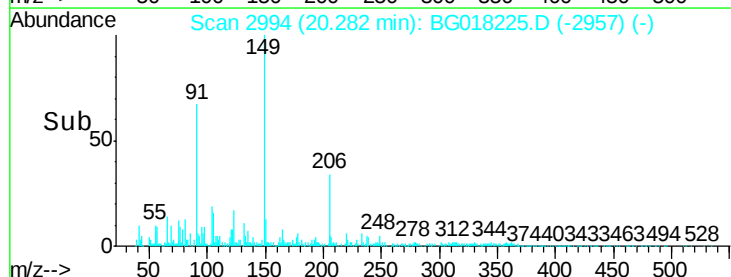


Abundance Ion 149.00 (148.70 to 149.70): E

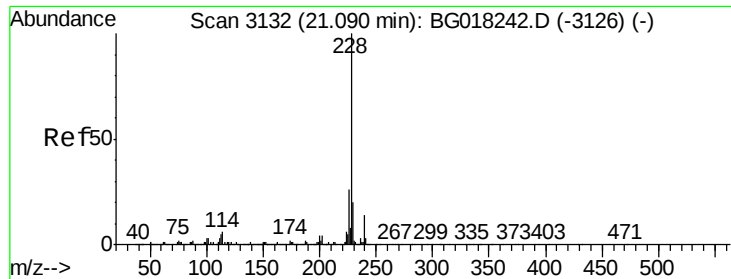
Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

Time-->



Time-->



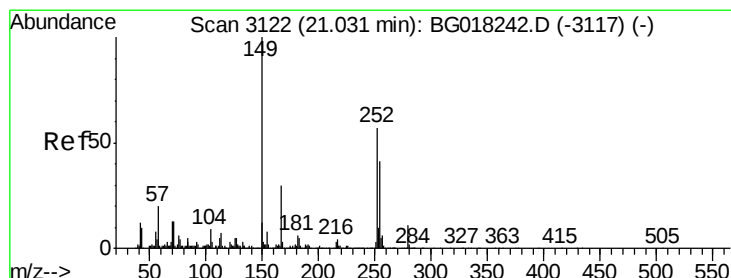
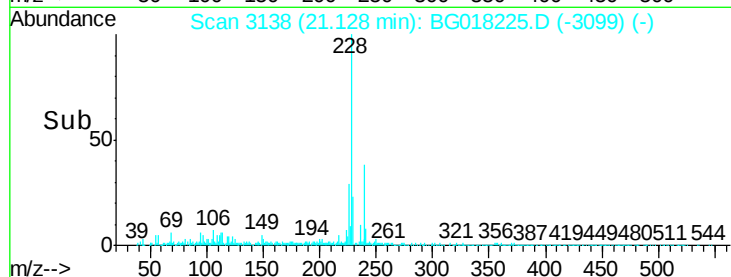
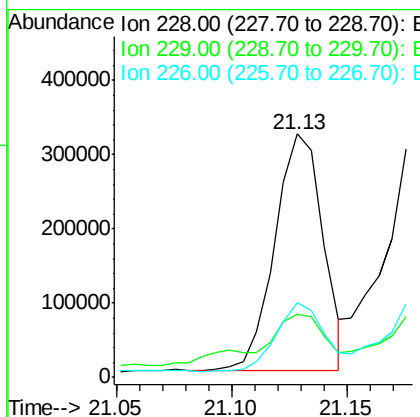
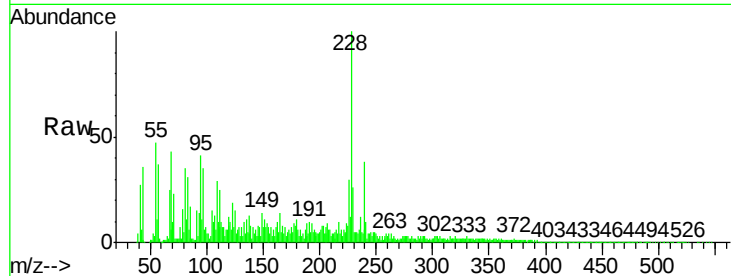
#83
Benzo(a)anthracene
Concen: 10.09 ng/ul
RT: 21.13 min Scan# 3138
Delta R.T. 0.03 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Instrument :
BNA_G
ClientSampleId :
C02H4RE

Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.1	16.5	24.7#
226	30.4	21.5	32.3

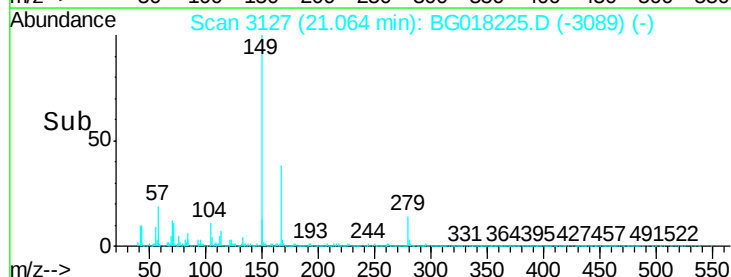
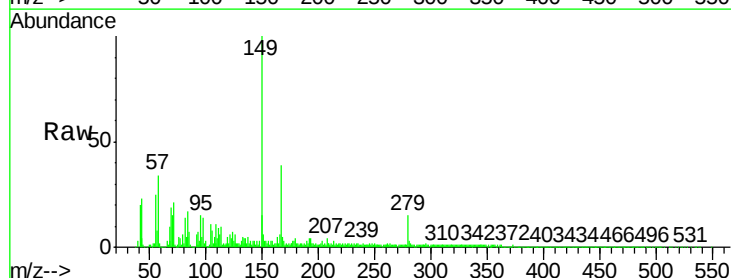
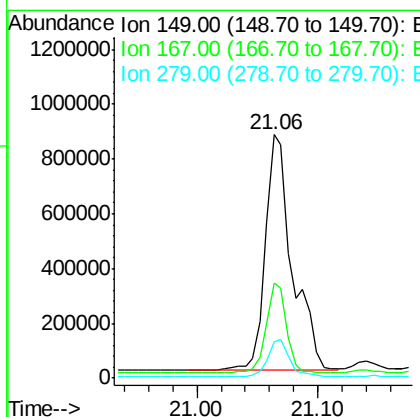
Manual Integrations
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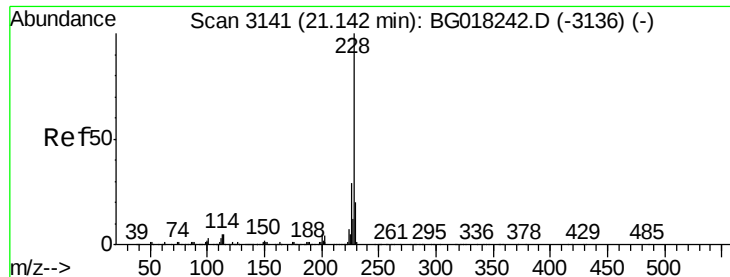
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.08 ng/ul
RT: 21.06 min Scan# 3127
Delta R.T. 0.02 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	38.8	27.4	41.2
279	14.7	8.3	12.5#





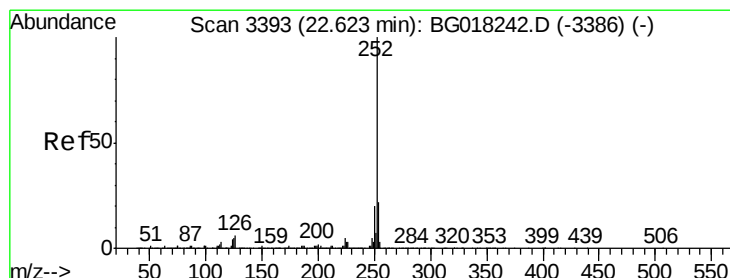
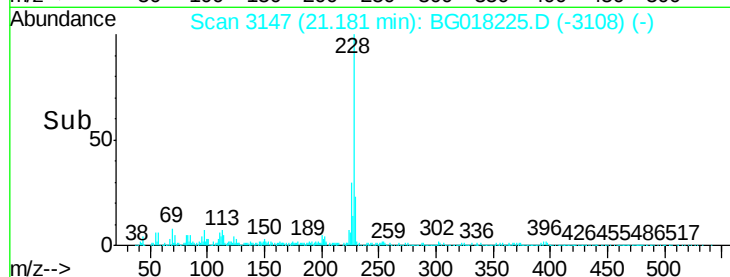
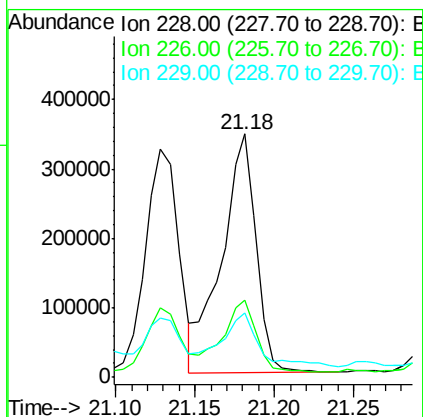
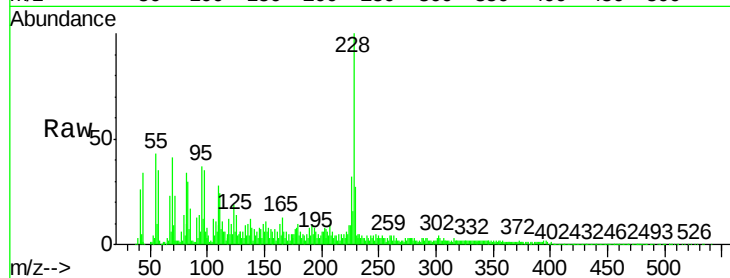
#85
Chrysene
Concen: 12.30 ng/ul
RT: 21.18 min Scan# 3147
Delta R.T. 0.03 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Instrument :
BNA_G
ClientSampleId :
C02H4RE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	517238		
226	31.7	22.7	34.1	
229	26.6	16.2	24.2	

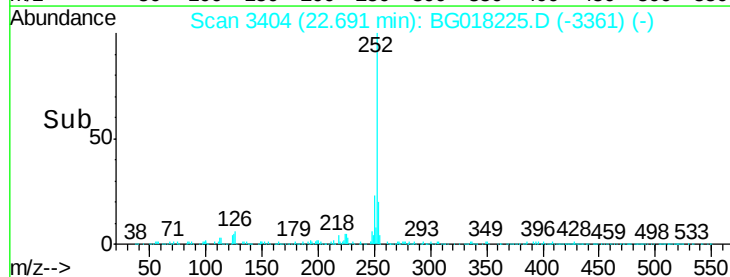
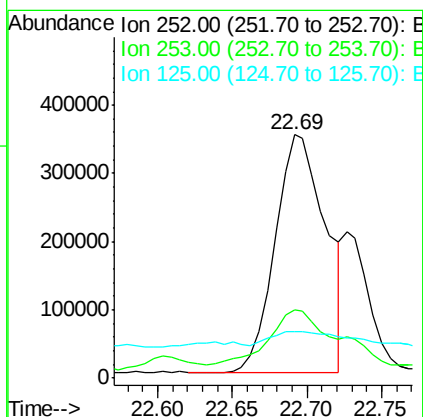
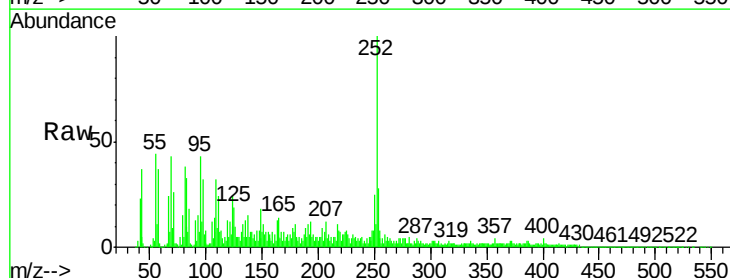
Manual Integrations
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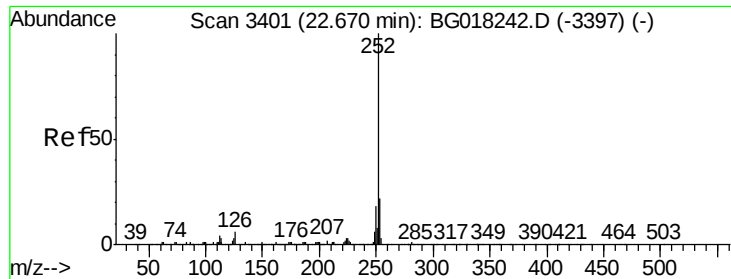
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#88
Benzo(b)fluoranthene
Concen: 14.85 ng/ul
RT: 22.69 min Scan# 3404
Delta R.T. 0.05 min
Lab File: BG018225.D
Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	828635		
253	28.0	18.5	27.7	
125	19.3	7.4	11.0	





#89

Benzo(k)fluoranthene

Concen: 5.02 ng/ul m

RT: 22.73 min Scan# 3410

Delta R.T. 0.05 min

Lab File: BG018225.D

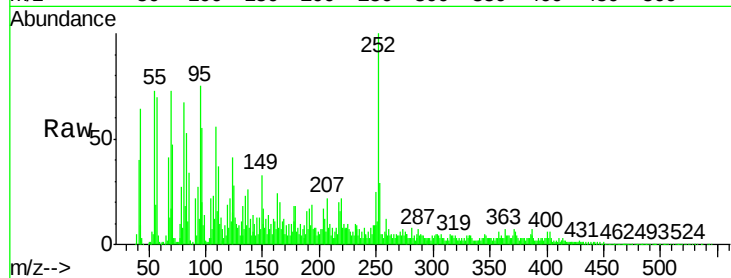
Acq: 2 Aug 2015 14:40

Instrument :

BNA_G

ClientSampleId :

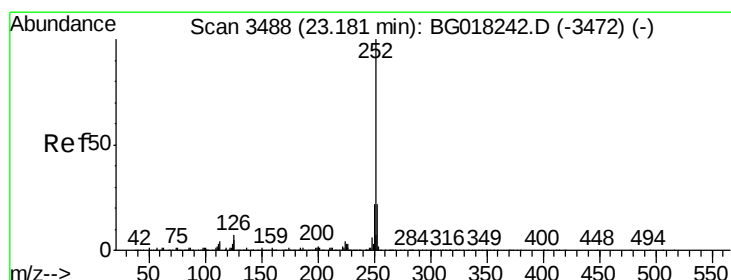
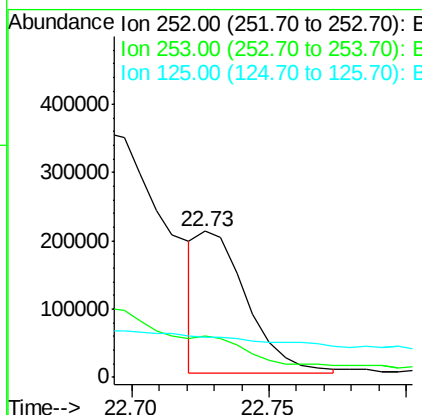
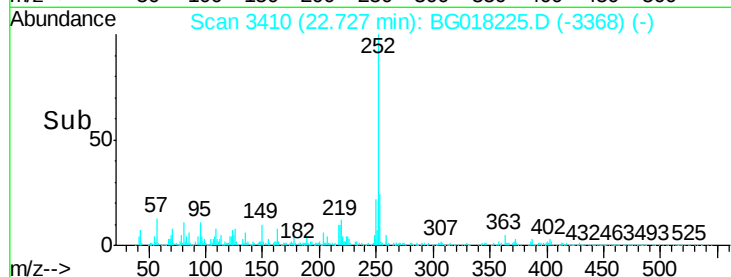
C02H4RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.2	27.2#
125	27.6	7.5	11.3#

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#91

Benzo(a)pyrene

Concen: 10.73 ng/ul

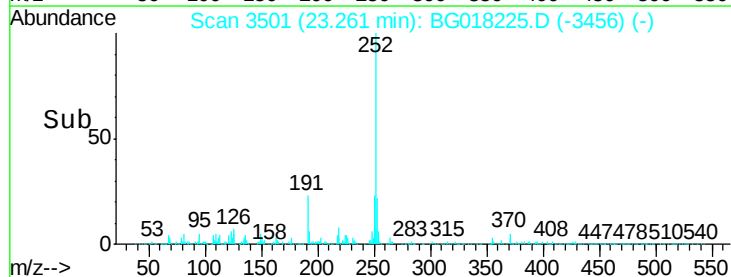
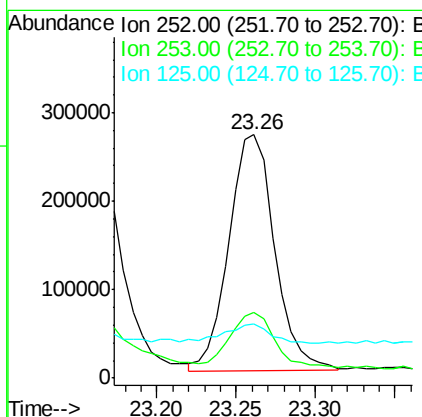
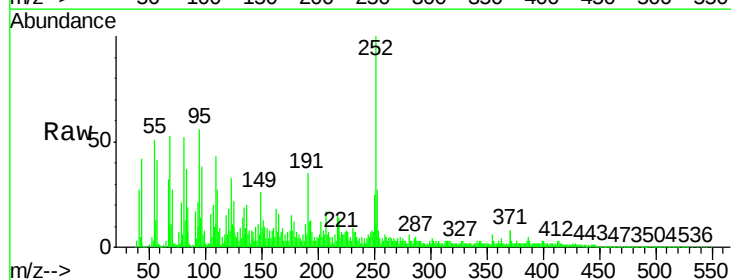
RT: 23.26 min Scan# 3501

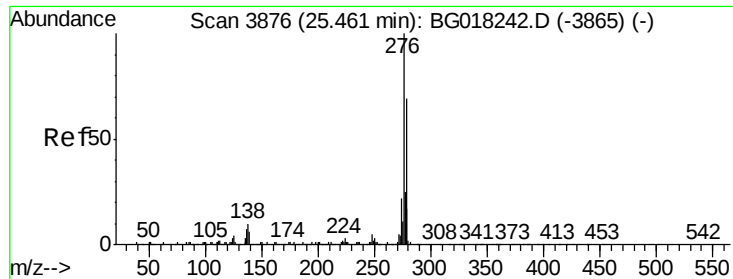
Delta R.T. 0.06 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	22.1	7.3	10.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.79 ng/ul

RT: 25.59 min Scan# 3897

Delta R.T. 0.10 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Instrument :

BNA_G

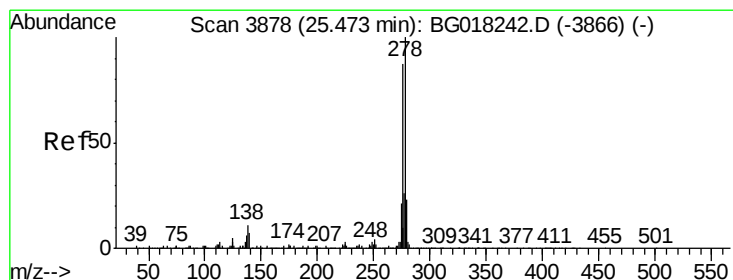
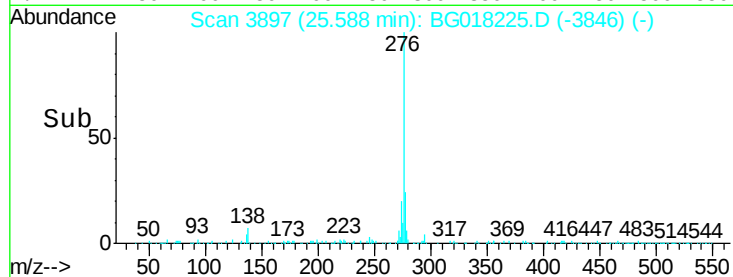
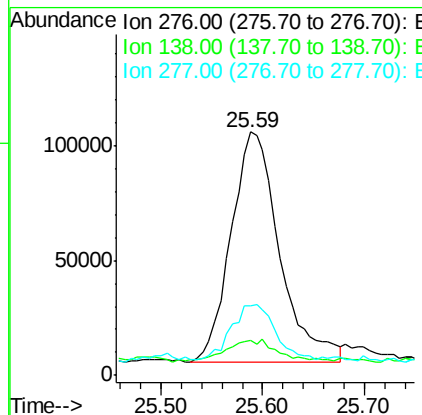
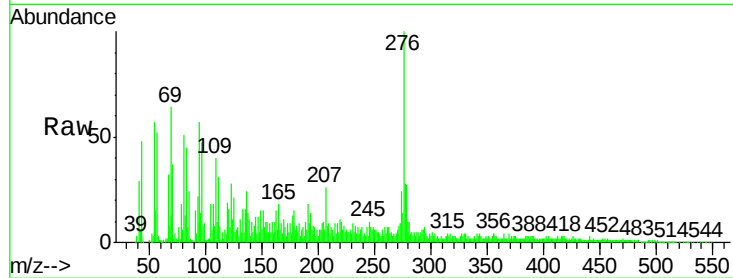
ClientSampleId :

C02H4RE

Manual Integrations
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Tgt Ion:	276	Resp:	334489
Ion Ratio	Lower	Upper	
276	100		
138	14.2	17.2	25.8#
277	28.4	19.5	29.3



#93

Dibenzo(a,h)anthracene

Concen: 1.73 ng/ul

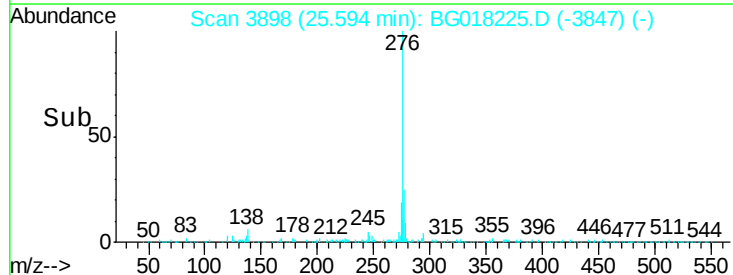
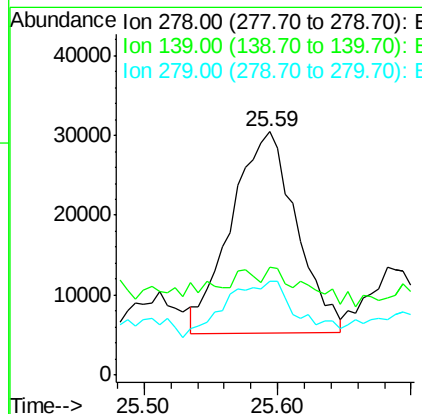
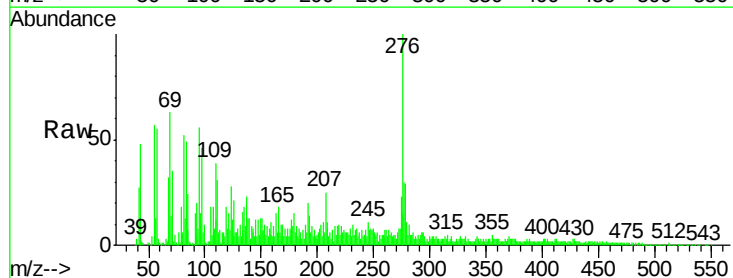
RT: 25.59 min Scan# 3898

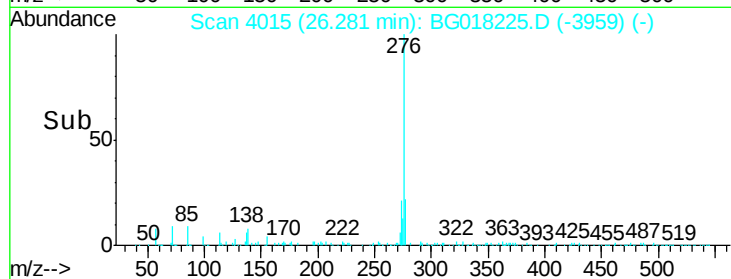
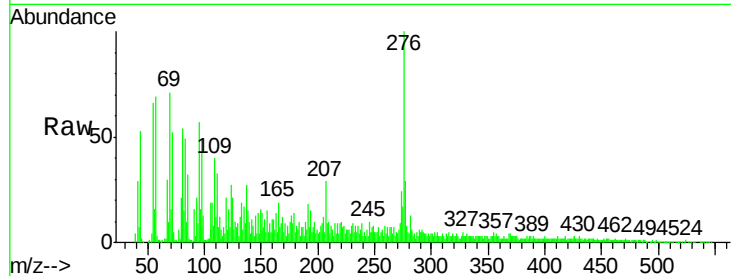
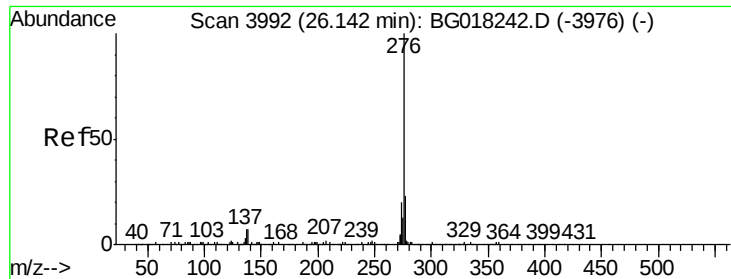
Delta R.T. 0.10 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Tgt Ion:	278	Resp:	85394
Ion Ratio	Lower	Upper	
278	100		
139	44.4	12.2	18.2#
279	38.8	20.0	30.0#





#94

Benzo(g,h,i)perylene

Concen: 6.26 ng/ul m

RT: 26.28 min Scan# 4015

Delta R.T. 0.13 min

Lab File: BG018225.D

Acq: 2 Aug 2015 14:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	15.1	22.7#
277	28.7	19.8	29.6

Instrument :

BNA_G

ClientSampleId :

C02H4RE

Manual Integrations
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