Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 10 21:51:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : C0AM5MS

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	74602	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	294711	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	214879	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	419894	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	447315	20.00	ng/ul	0.01
85) Perylene-d12	25.02	264	525800	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	8999	5.28	ng/uL	0.00
5) Phenol-d5	7.18	99	183498	31.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	95872	29.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	172891	34.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	165062	33.58	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	89187	40.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	108869	42.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	201568	38.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	235843m	40.87	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	555598	33.34	ng/ul	0.01
46) Acenaphthylene-d8	14.39	160	669014	35.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.92	143	85256	30.47	ng/ul	0.04
57) Fluorene-d10	15.69	176	560265	37.79	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.82	200	95419	35.42	ng/ul	0.02
70) Anthracene-d10	17.55	188	783050	38.87	ng/ul	0.01
78) Pyrene-d10	19.84	212	835591	33.47	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.80	264	1036204	37.72	ng/ul	0.04
Target Compounds						Qvalue
6) Phenol	7.21	94	215325	35.630	ng/ul	96
10) 2-Chlorophenol	7.59	128	181944	35.859	ng/ul	98
11) 2-Methylphenol	8.48	108	9324	1.924	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.84	70	127737	31.985	ng/ul	95
16) 4-Methylphenol	8.81	108	16841	3.217	ng/ul	95
24) 2,4-Dimethylphenol	10.02	107	60561m	11.154	ng/ul	
28) Naphthalene	10.90	128	348196	23.110	ng/ul	98
33) 4-Chloro-3-methylphenol	12.14	107	191095	37.613	ng/ul	98
34) 2-Methylnaphthalene	12.52	142	629429	52.561	ng/ul	100
40) 1,1'-Biphenyl	13.52	154	115900	7.418	ng/ul	98
44) Dimethylphthalate	14.14	163	98391	5.946	ng/ul#	84
47) Acenaphthylene	14.42	152	33014	1.718	ng/ul#	53
49) Acenaphthene	14.76	153	543461	40.451	ng/ul	98
52) 4-Nitrophenol	14.93	109	73442	35.417	ng/ul	98
53) Dibenzofuran	15.09	168	221352	11.039	ng/ul	90
54) 2,4-Dinitrotoluene	15.06	165	200642	38.340	ng/ul#	96
58) Fluorene	15.74	166	310143	19.203	ng/ul	99
68) Pentachlorophenol	17.11	266	147099	48.374	ng/ul	98
69) Phenanthrene	17.49	178	417807	18.176	ng/ul#	94
71) Anthracene	17.58	178	173864m	7.457	ng/ul	
74) Carbazole	17.85	167	34827	1.803	ng/ul#	66
76) Fluoranthene	19.50	202	163858m	6.169	ng/ul	
79) Pyrene	19.87	202	1245272	41.386	ng/ul	99

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Sample : K4147-03MS
Misc :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
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BNA_G
ClientSampleId :
C0AM5MS

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Benzo(a)anthracene	21.72	228	67751	2.184	ng/ul#	63
84) Chrysene	21.78	228	65921	2.277	ng/ul#	64
90) Benzo(a)pyrene	24.87	252	39959	1.271	ng/ul#	69

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

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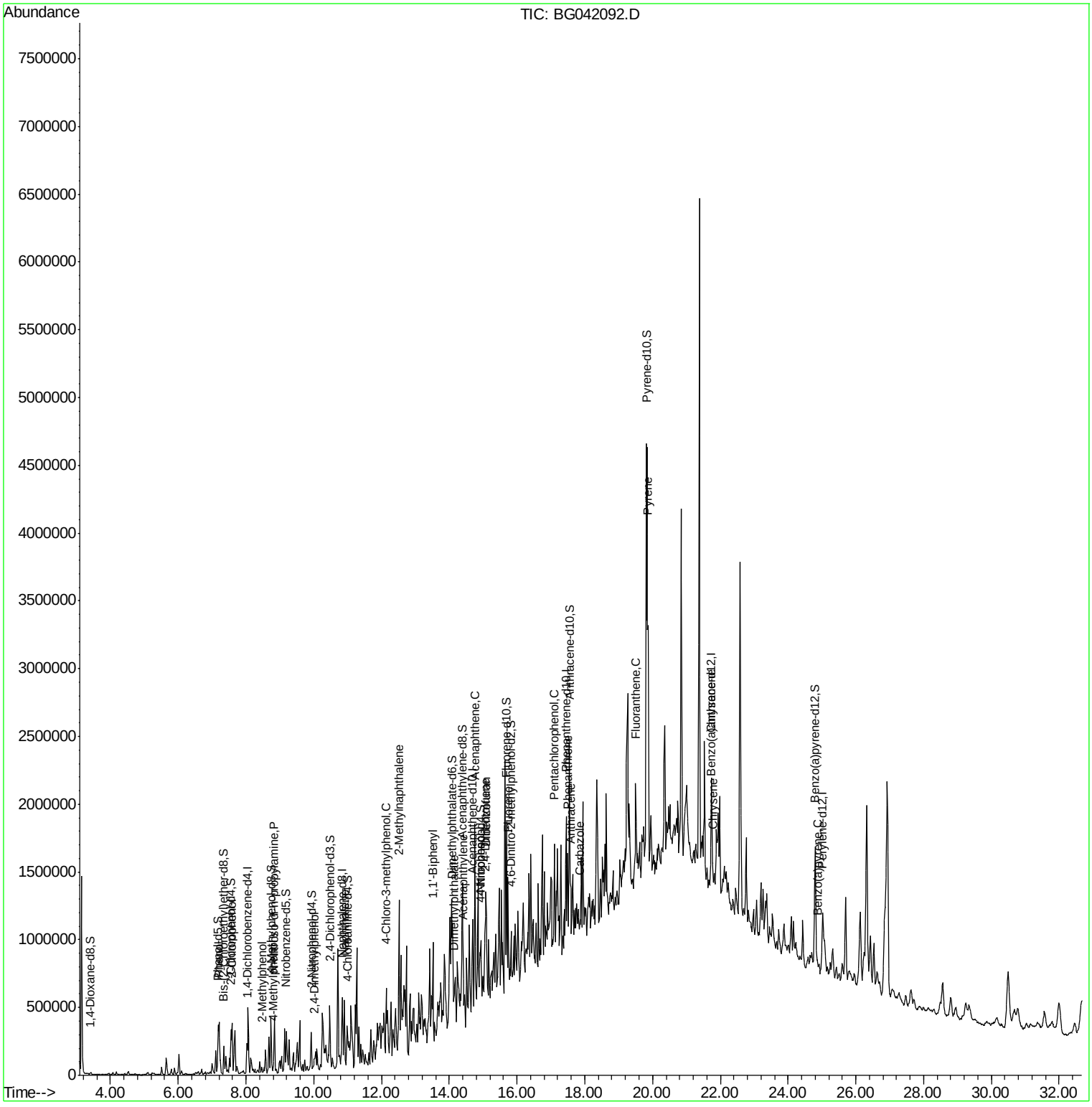
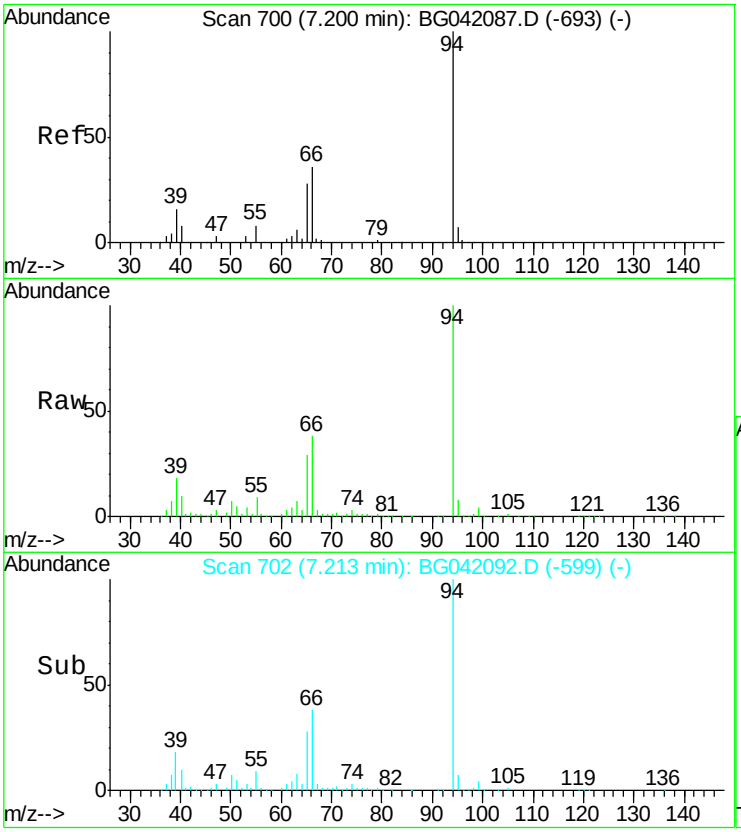
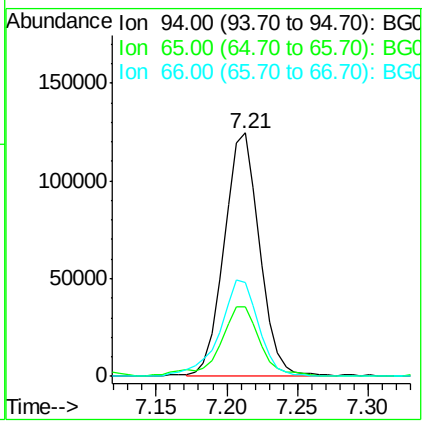




#6
Phenol
Concen: 35.630 ng/ul
RT: 7.21 min Scan# 702
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion: 94 Resp: 215325

Ion	Ratio	Lower	Upper
94	100		
65	28.5	25.8	38.6
66	38.4	31.8	47.8



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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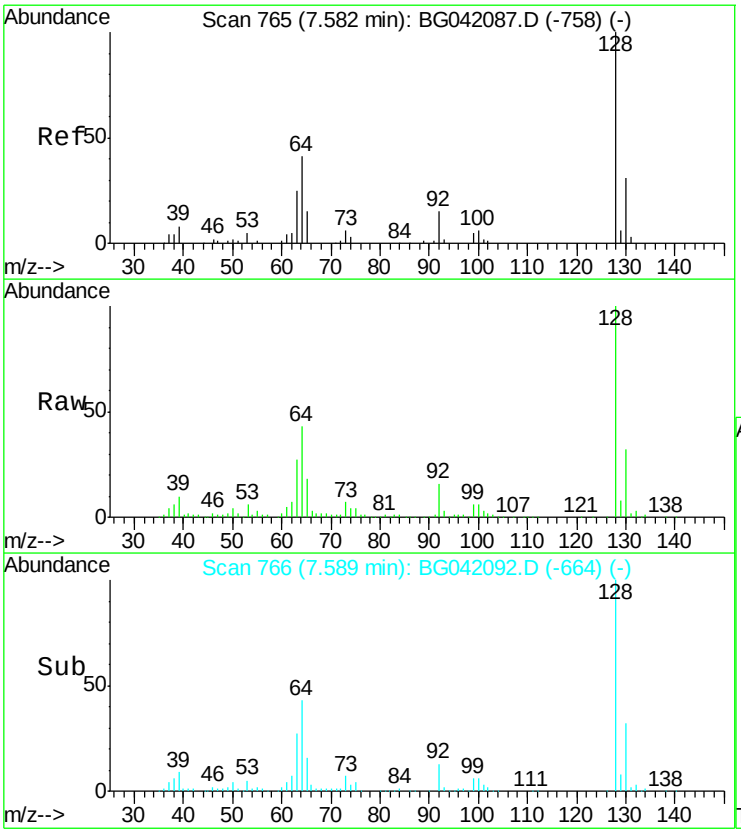
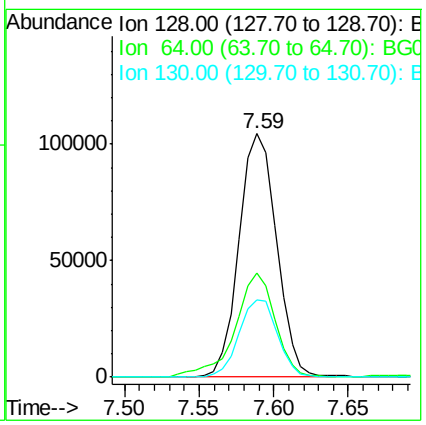
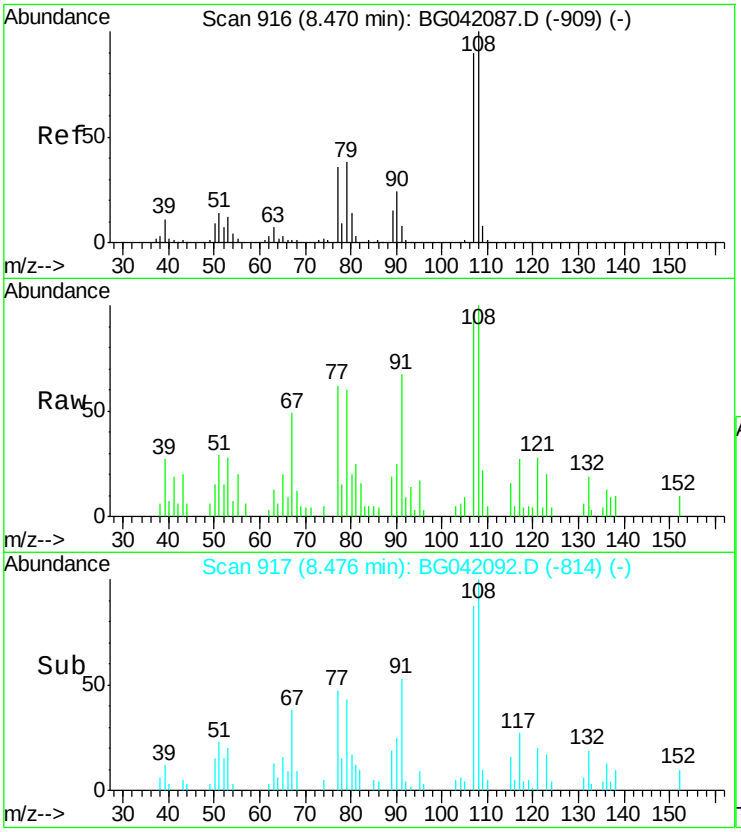


#10
2-Chlorophenol
Concen: 35.859 ng/ul
RT: 7.59 min Scan# 766
Delta R.T. 0.00 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:128 Resp: 181944

Ion	Ratio	Lower	Upper
128	100		
64	42.8	35.5	53.3
130	31.9	26.2	39.4





#11
2-Methylphenol
Concen: 1.924 ng/ul
RT: 8.48 min Scan# 917
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:108 Resp: 9324

Ion	Ratio	Lower	Upper
108	100		
107	96.5	69.9	104.9

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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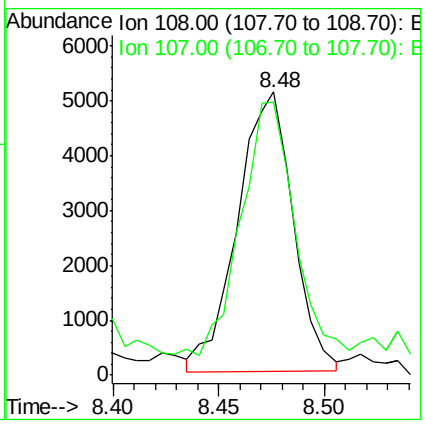
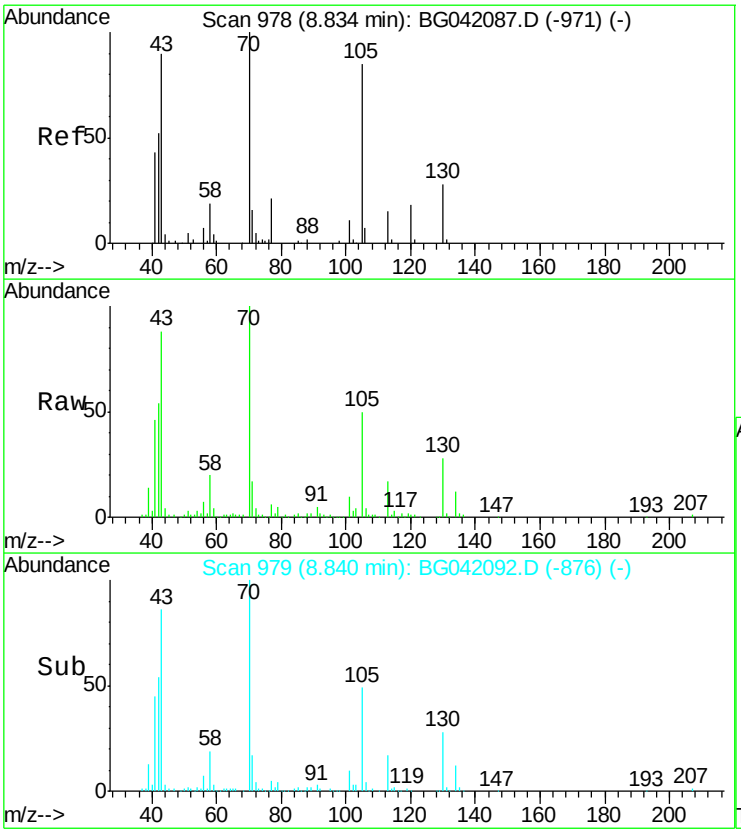
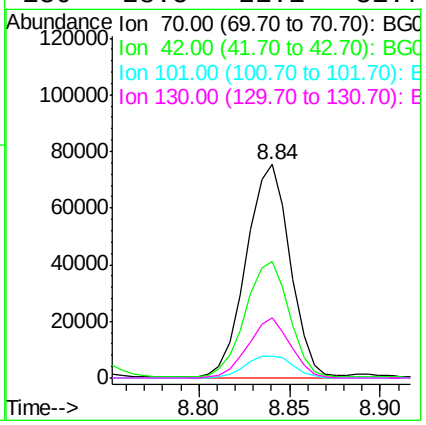


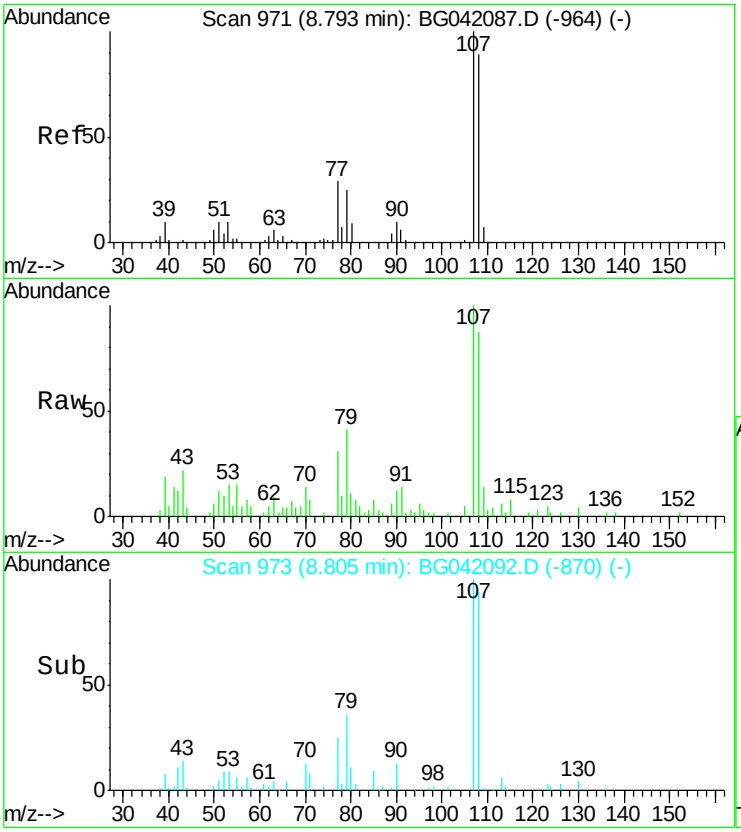


#15
N-Nitroso-di-n-propylamine
Concen: 31.985 ng/ul
RT: 8.84 min Scan# 979
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion: 70 Resp: 127737

Ion	Ratio	Lower	Upper
70	100		
42	54.3	46.4	69.6
101	10.2	9.7	14.5
130	28.5	21.1	31.7

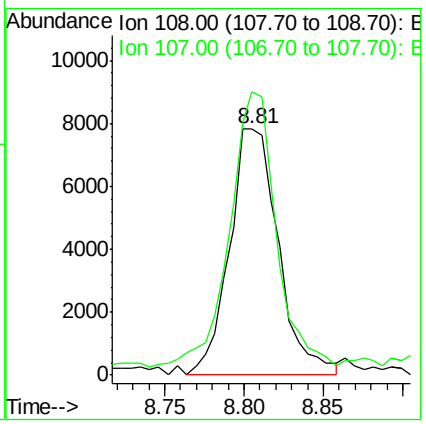




#16
4-Methylphenol
Concen: 3.217 ng/ul
RT: 8.81 min Scan# 973
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:108 Resp: 16841

Ion	Ratio	Lower	Upper
108	100		
107	114.8	96.2	144.2



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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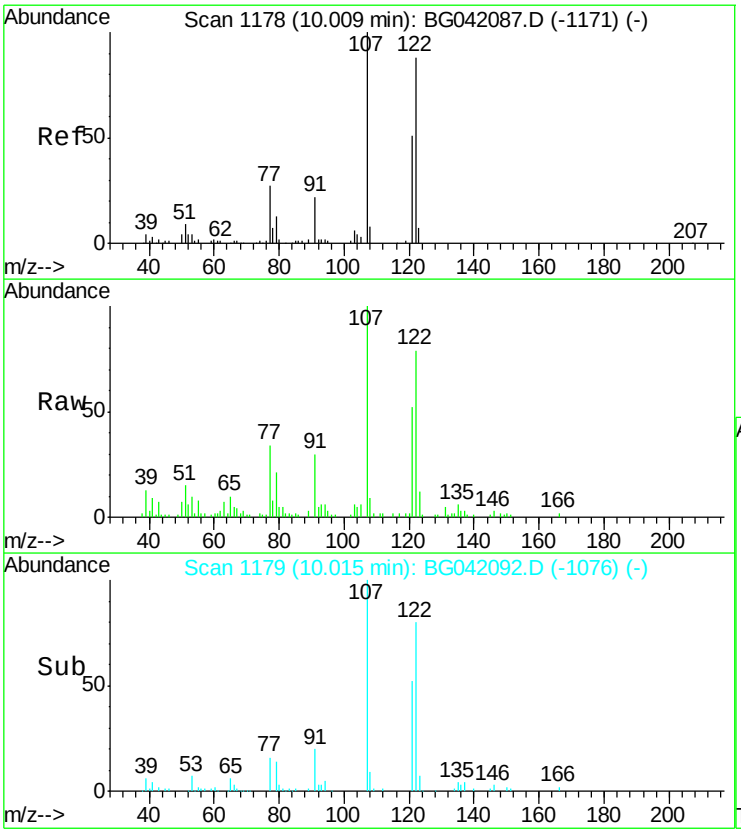
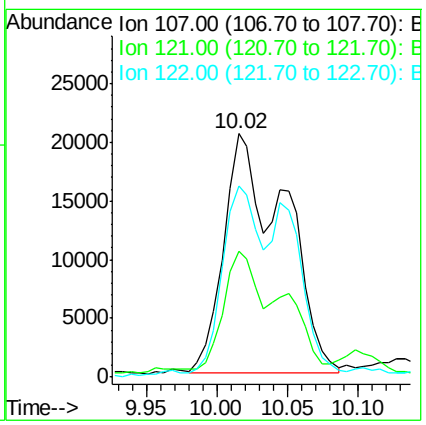
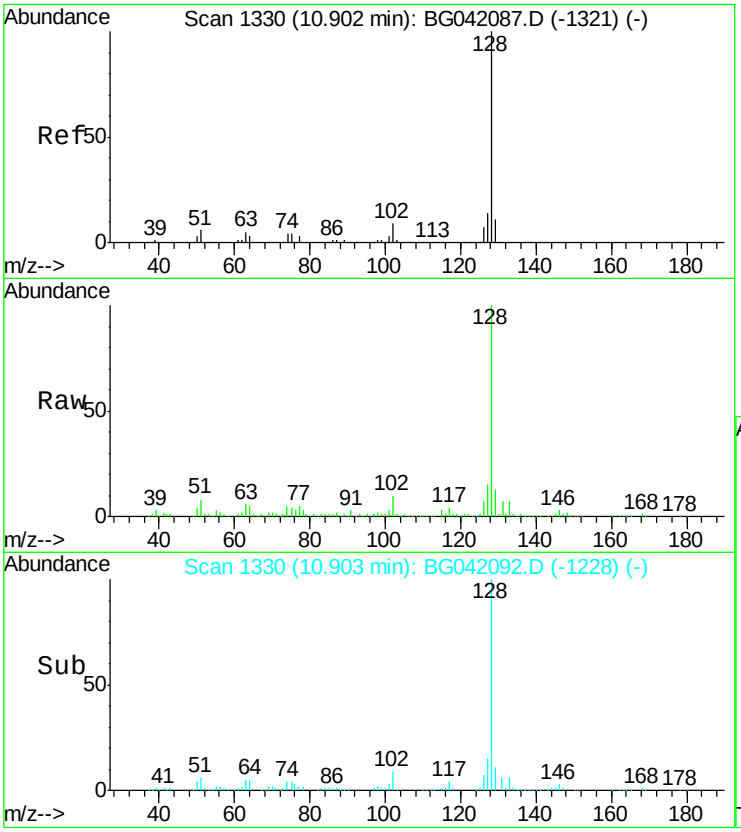


#24
2,4-Dimethylphenol
Concen: 11.154 ng/ul m
RT: 10.02 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:107 Resp: 60561

Ion	Ratio	Lower	Upper
107	100		
121	51.9	45.0	67.6
122	78.5	68.1	102.1

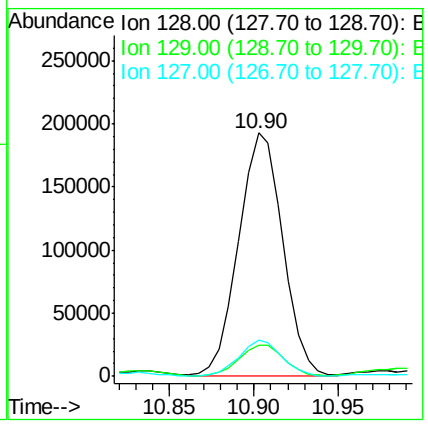




#28
Naphthalene
Concen: 23.110 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:128 Resp: 348196

Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.5	14.3
127	15.0	11.4	17.0



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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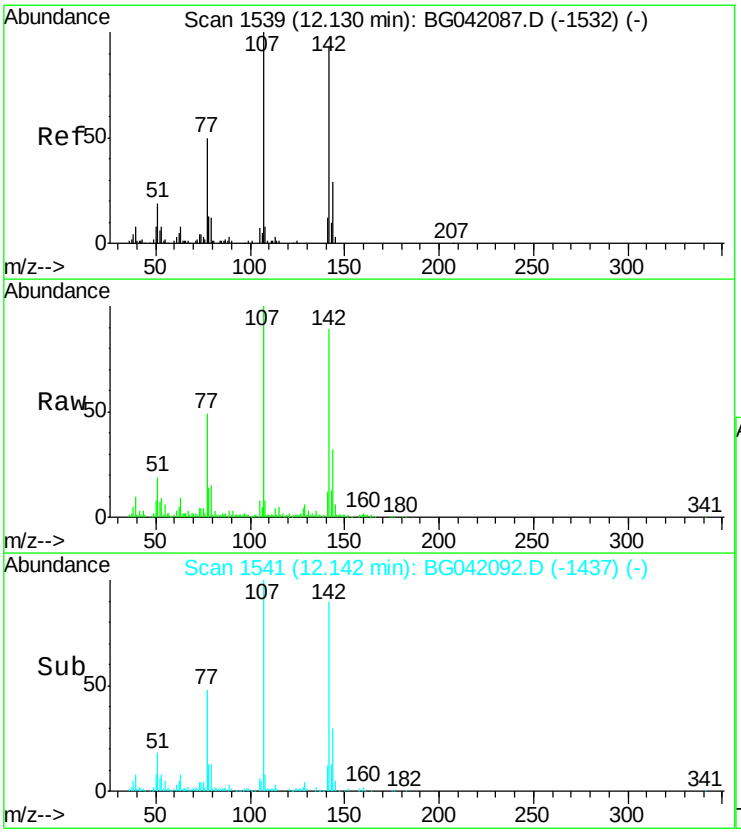
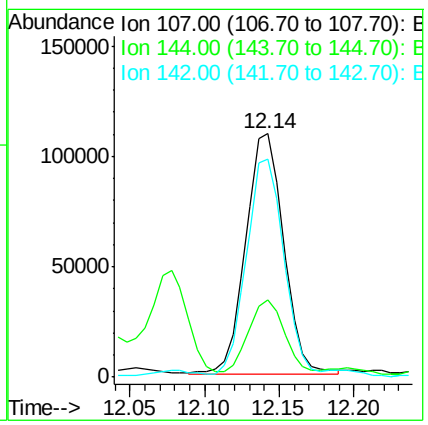
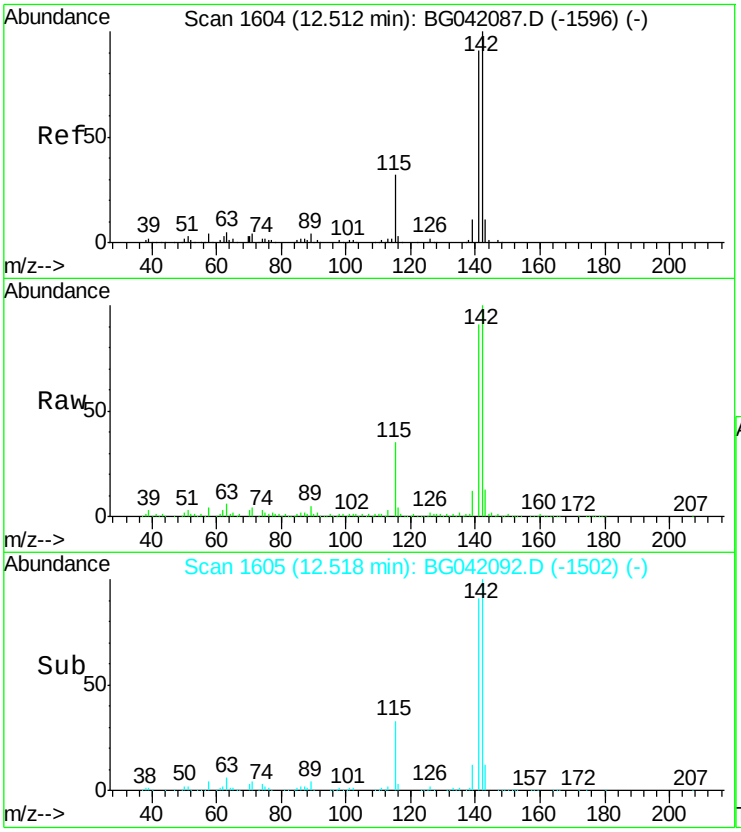


#33
4-Chloro-3-methylphenol
Concen: 37.613 ng/ul
RT: 12.14 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:107 Resp: 191095

Ion	Ratio	Lower	Upper
107	100		
144	31.7	23.0	34.6
142	89.3	71.0	106.6





#34
2-Methylnaphthalene
Concen: 52.561 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:142 Resp: 629429

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.9	109.3

Instrument :
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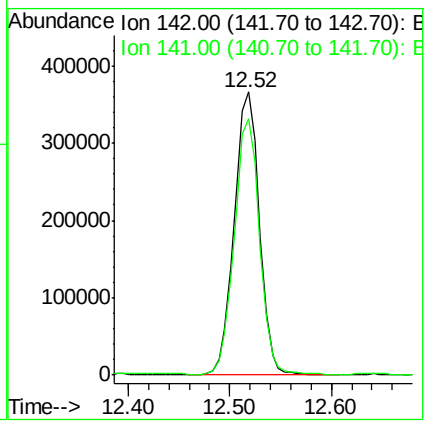
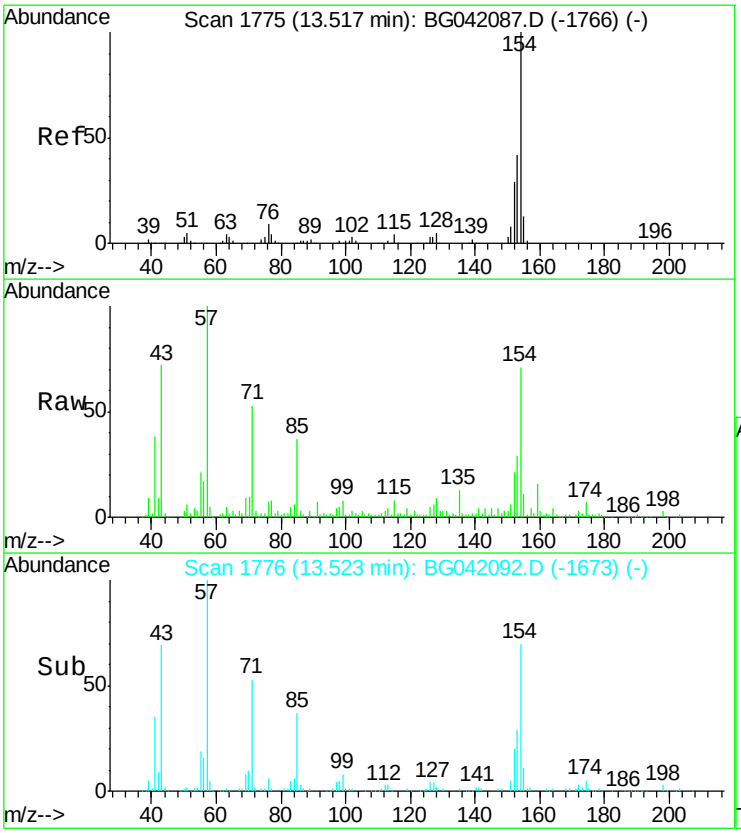
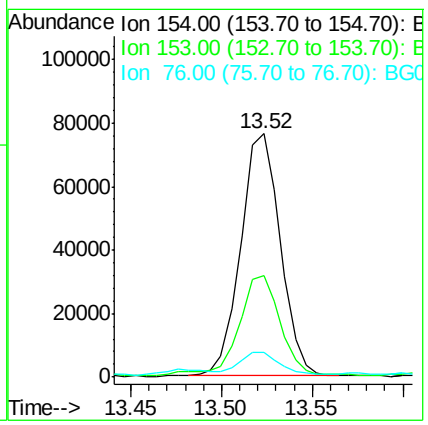


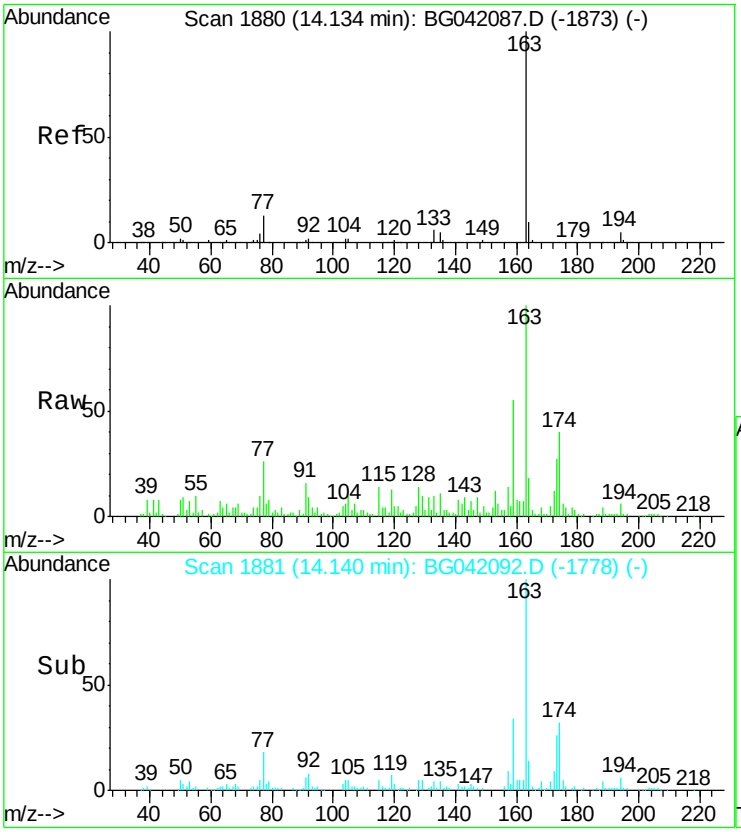


#40
1,1'-Biphenyl
Concen: 7.418 ng/ul
RT: 13.52 min Scan# 1776
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:154 Resp: 115900

Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.6	48.8
76	10.0	8.6	13.0





#44
Dimethylphthalate
Concen: 5.946 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:163 Resp: 98391

Ion	Ratio	Lower	Upper
163	100		
194	6.3	4.2	6.2#
164	18.1	7.8	11.8#

Instrument :
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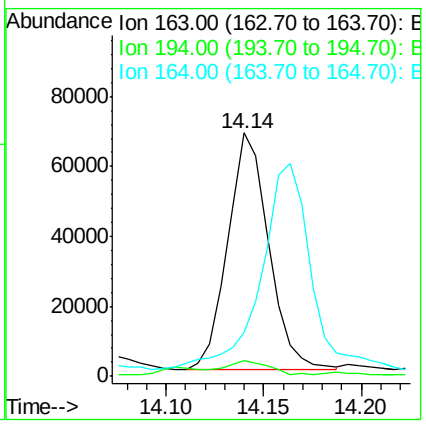
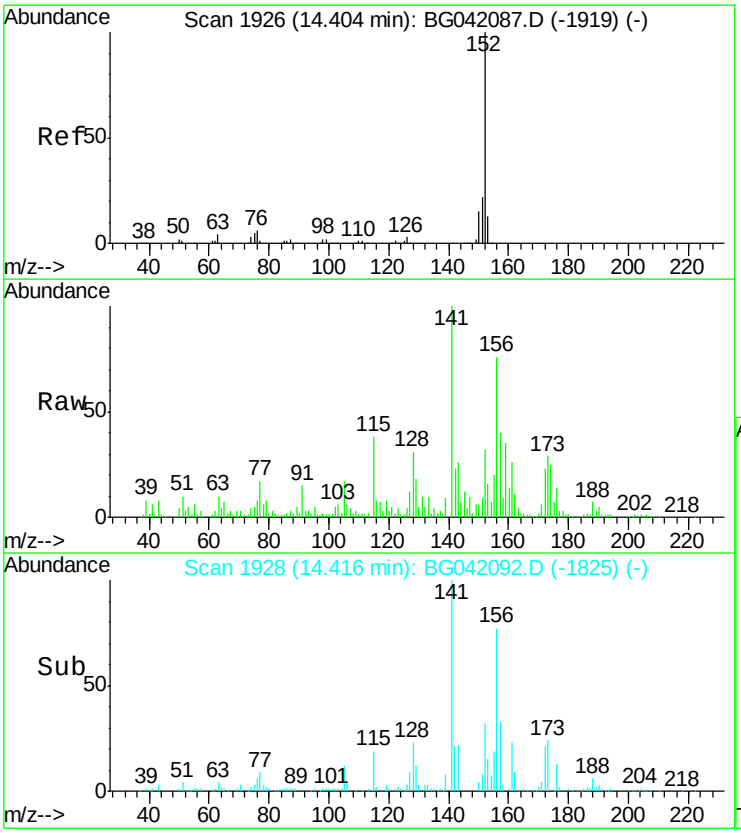
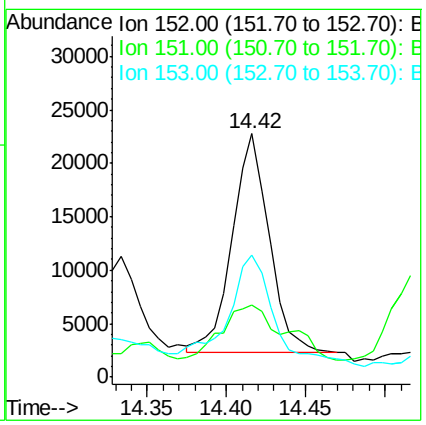


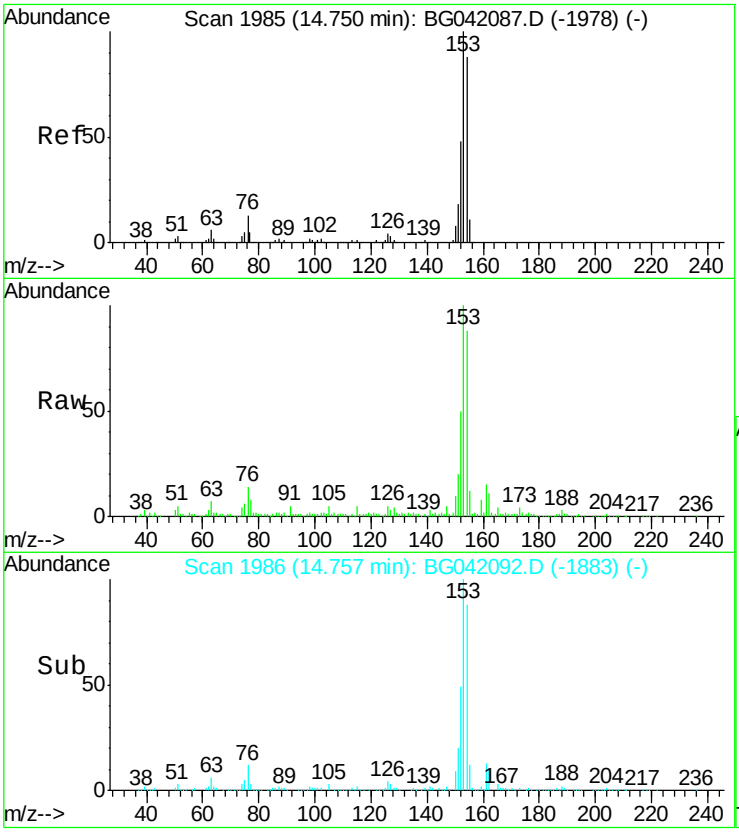


#47
Acenaphthylene
Concen: 1.718 ng/ul
RT: 14.42 min Scan# 1928
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:152 Resp: 33014

Ion	Ratio	Lower	Upper
152	100		
151	29.6	16.8	25.2#
153	49.9	10.3	15.5#

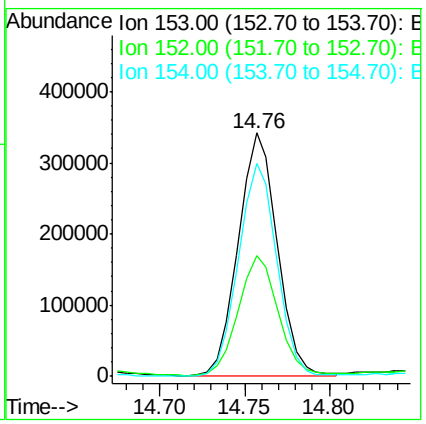




#49
Acenaphthene
Concen: 40.451 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:153 Resp: 543461

Ion	Ratio	Lower	Upper
153	100		
152	49.6	37.8	56.8
154	87.6	69.4	104.2



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
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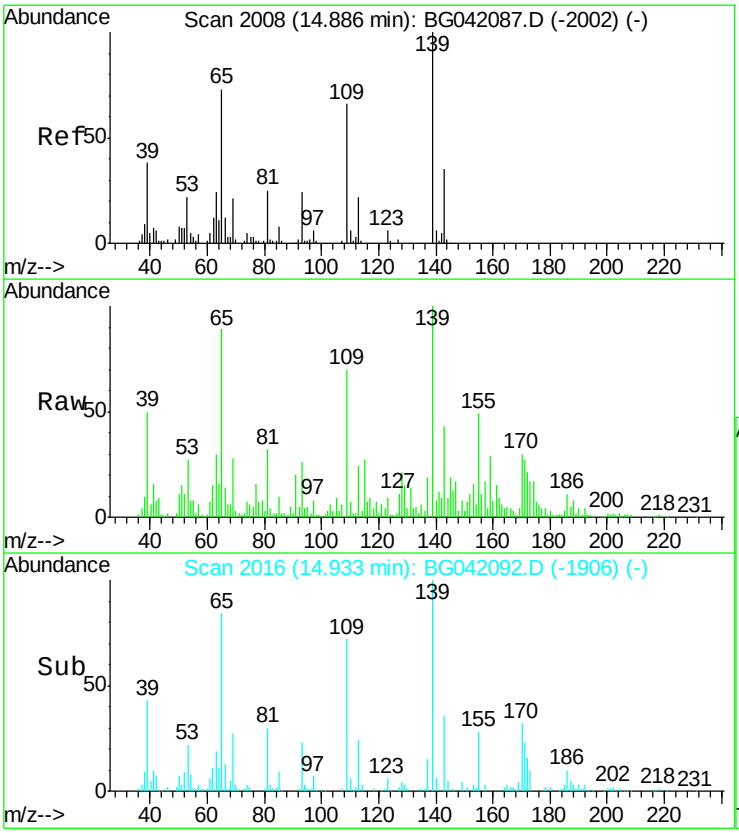
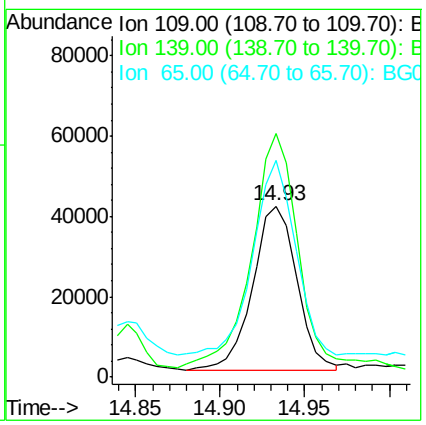
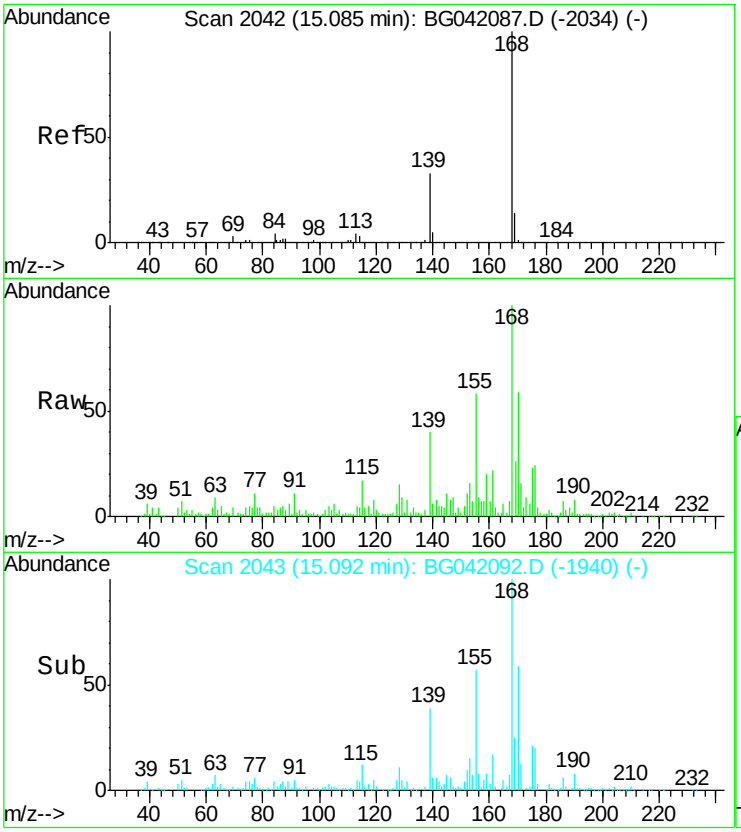


#52
4-Nitrophenol
Concen: 35.417 ng/ul
RT: 14.93 min Scan# 2016
Delta R.T. 0.05 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:109 Resp: 73442

Ion	Ratio	Lower	Upper
109	100		
139	142.5	111.8	167.6
65	126.5	103.6	155.4





#53
Dibenzofuran
Concen: 11.039 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:168 Resp: 221352

Ion	Ratio	Lower	Upper
168	100		
139	39.9	27.3	40.9

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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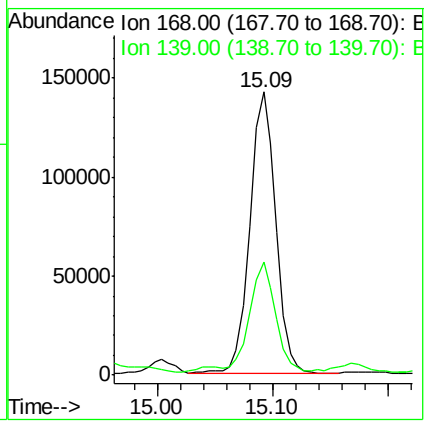
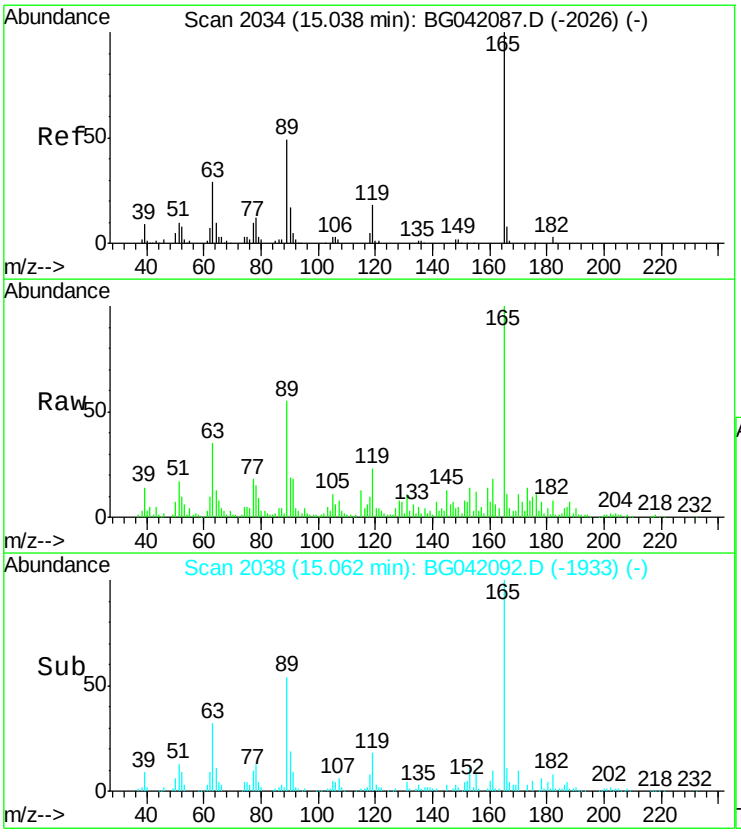
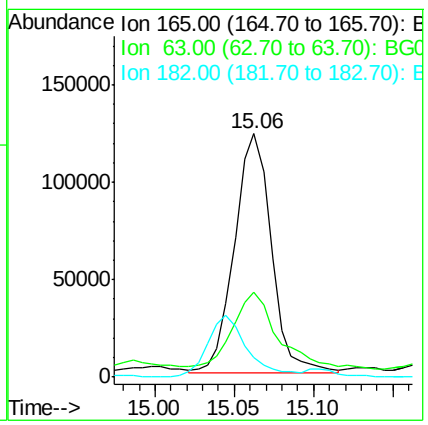


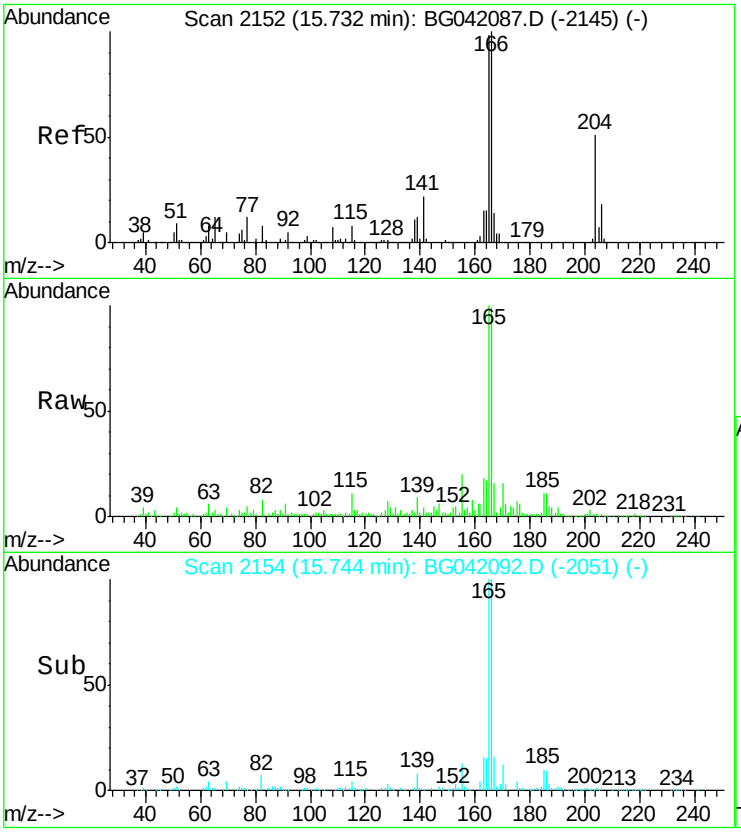


#54
2,4-Dinitrotoluene
Concen: 38.340 ng/ul
RT: 15.06 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:165 Resp: 200642

Ion	Ratio	Lower	Upper
165	100		
63	34.9	29.4	44.2
182	8.1	2.6	4.0#

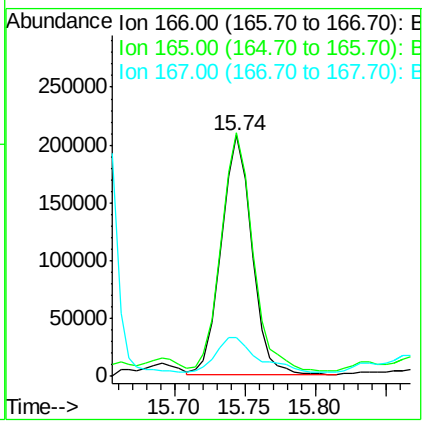




#58
Fluorene
Concen: 19.203 ng/ul
RT: 15.74 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:166 Resp: 310143

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.1	121.7
167	16.2	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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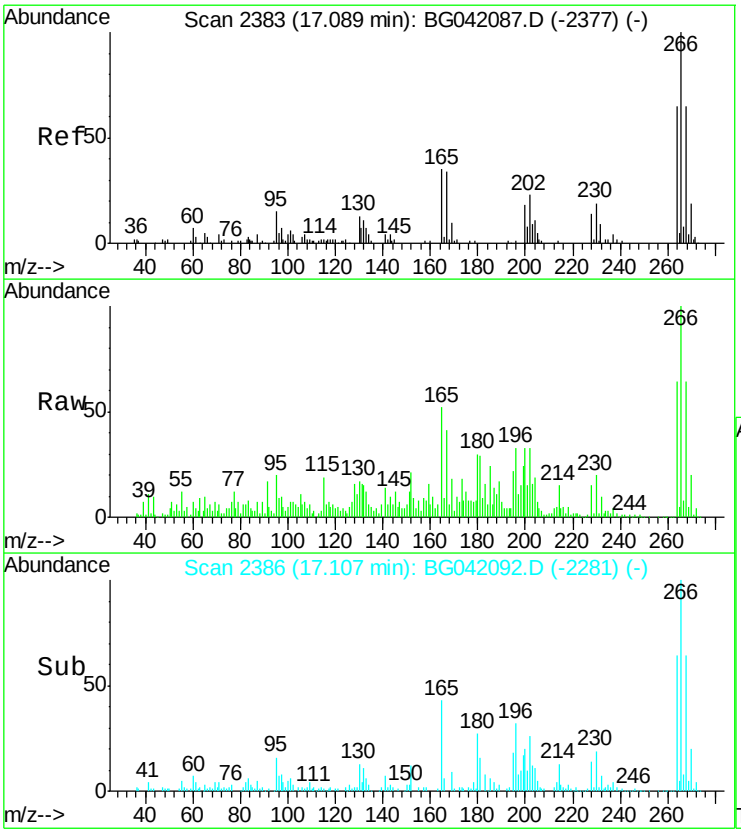
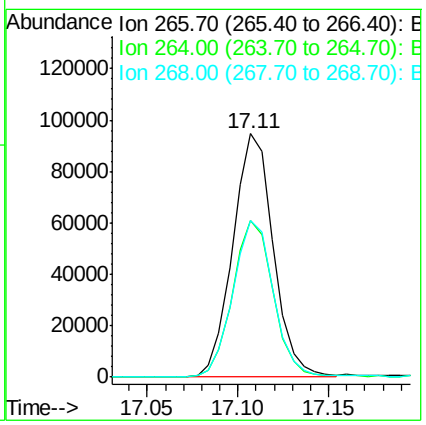
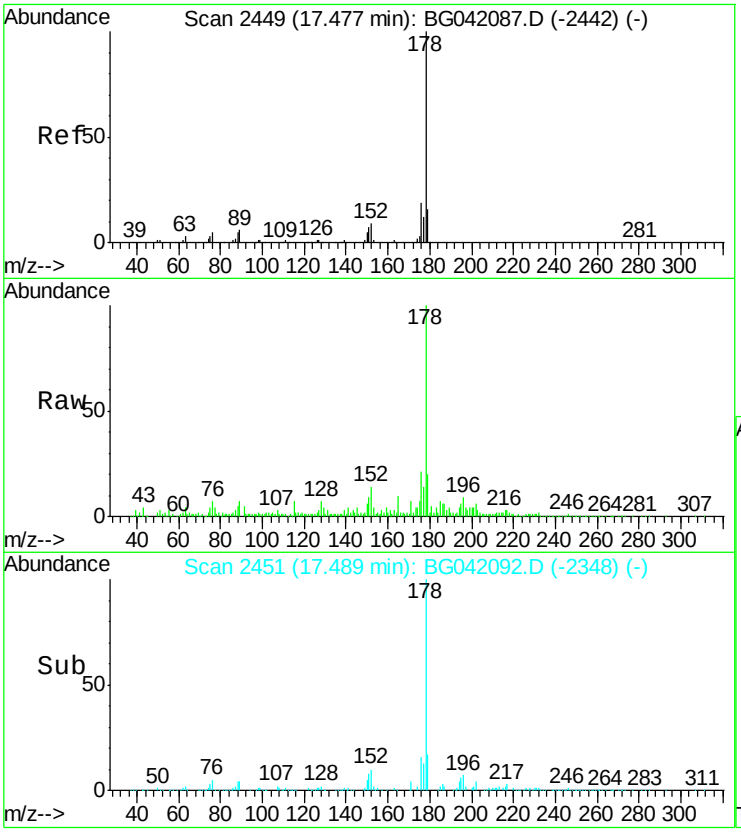


#68
Pentachlorophenol
Concen: 48.374 ng/ul
RT: 17.11 min Scan# 2386
Delta R.T. 0.02 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:266 Resp: 147099

Ion	Ratio	Lower	Upper
266	100		
264	64.2	52.3	78.5
268	64.3	53.2	79.8





#69
Phenanthrene
Concen: 18.176 ng/ul
RT: 17.49 min Scan# 2451
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:178 Resp: 417807

Ion	Ratio	Lower	Upper
178	100		
179	19.9	12.8	19.2#
176	20.7	15.4	23.2

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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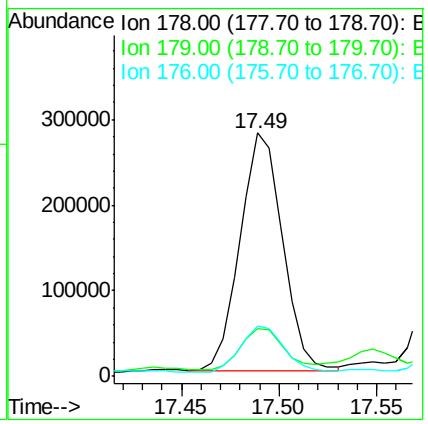
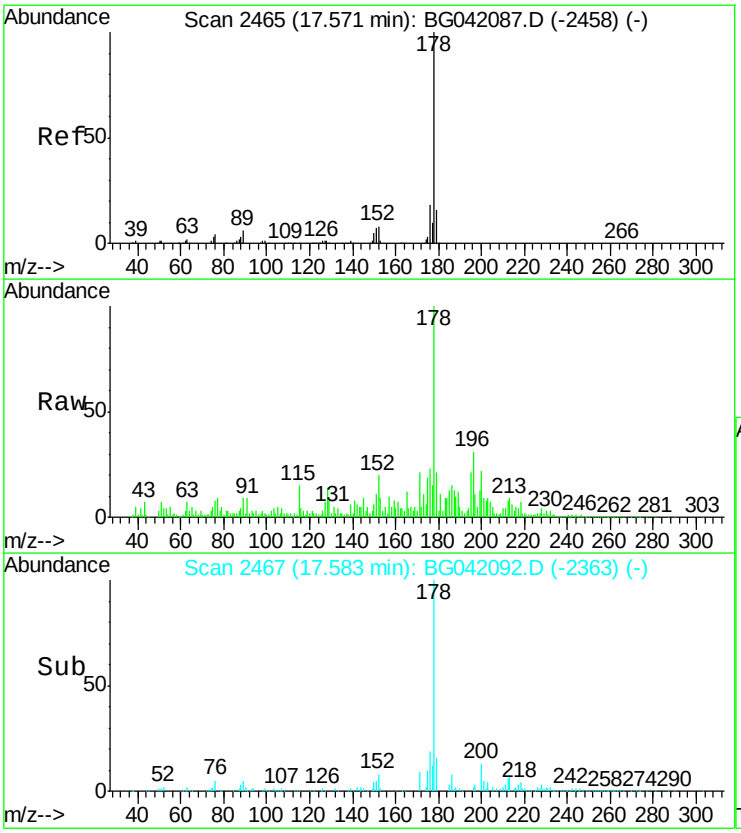
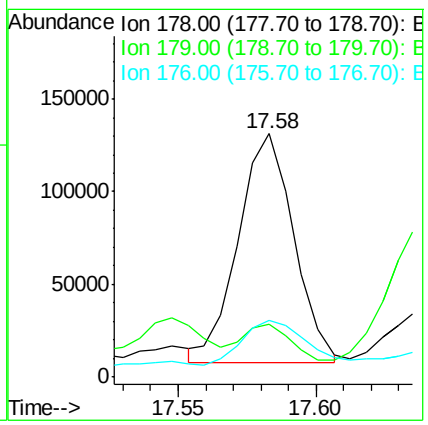


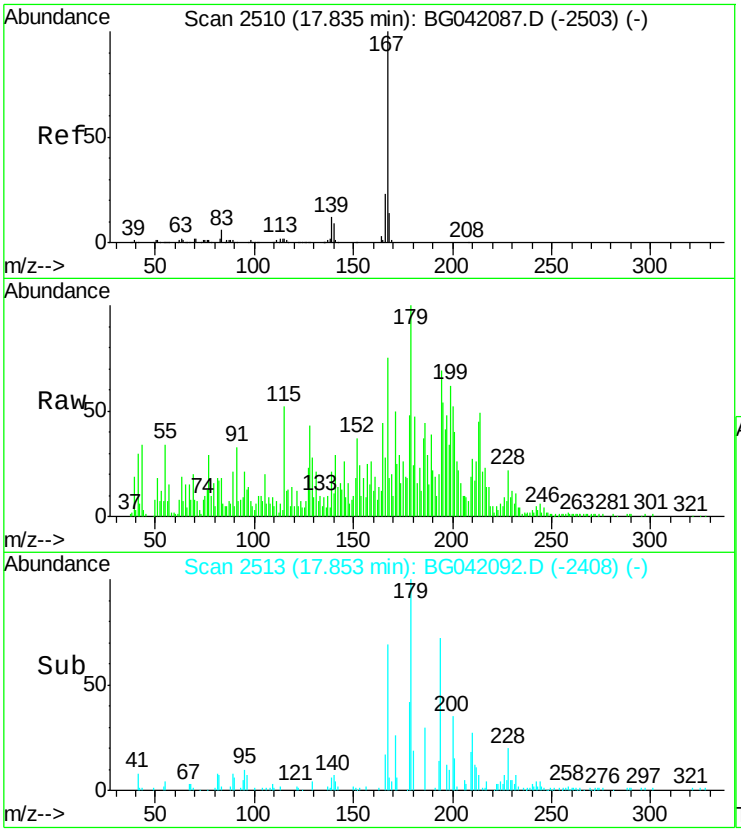


#71
Anthracene
Concen: 7.457 ng/ul m
RT: 17.58 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:178 Resp: 173864

Ion	Ratio	Lower	Upper
178	100		
179	21.5	13.4	20.0#
176	23.3	15.4	23.2#

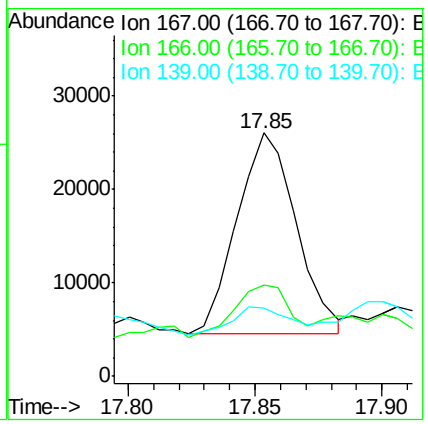




#74
Carbazole
Concen: 1.803 ng/ul
RT: 17.85 min Scan# 2513
Delta R.T. 0.02 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:167 Resp: 34827

Ion	Ratio	Lower	Upper
167	100		
166	37.3	18.2	27.4#
139	28.1	9.6	14.4#



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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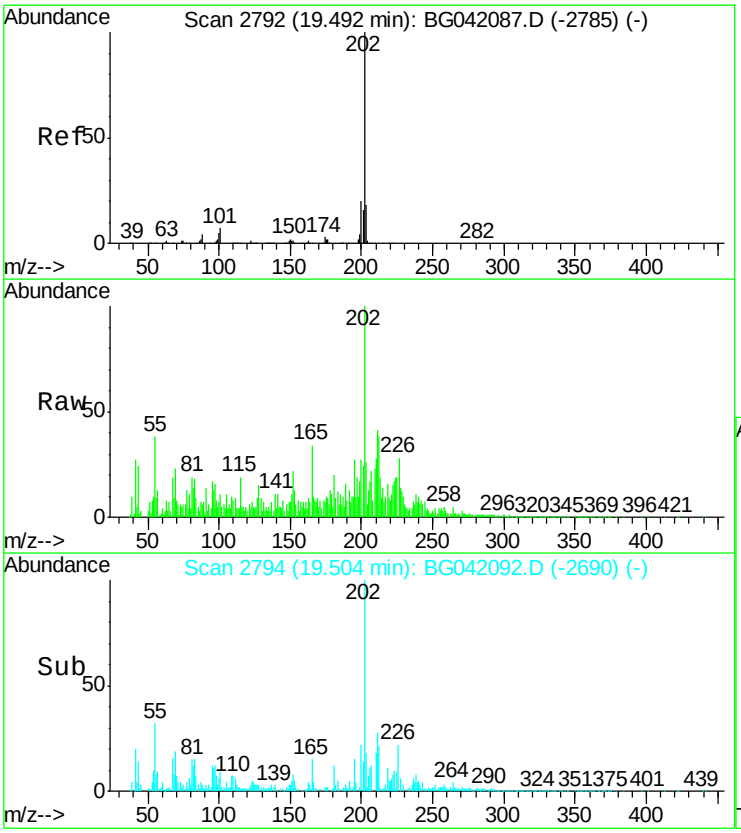
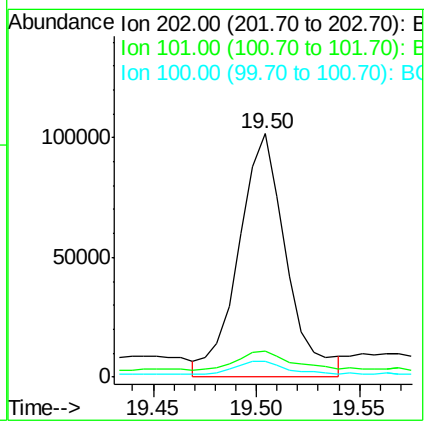
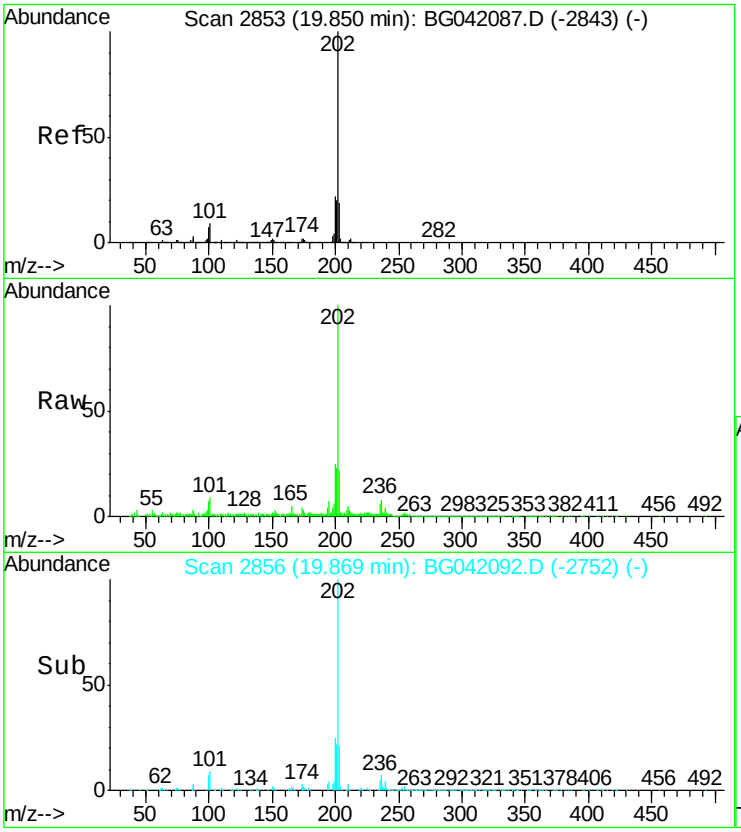


#76
Fluoranthene
Concen: 6.169 ng/ul m
RT: 19.50 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:202 Resp: 163858

Ion	Ratio	Lower	Upper
202	100		
101	10.6	6.7	10.1#
100	6.6	5.3	7.9

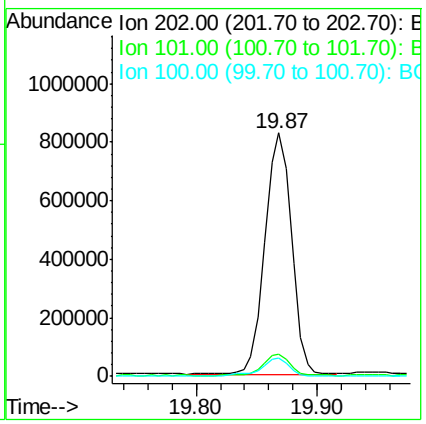




#79
Pyrene
Concen: 41.386 ng/ul
RT: 19.87 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:202 Resp: 1245272

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.6	11.4
100	7.5	6.5	9.7



Instrument :
BNA_G
ClientSampleId :
C0AM5MS

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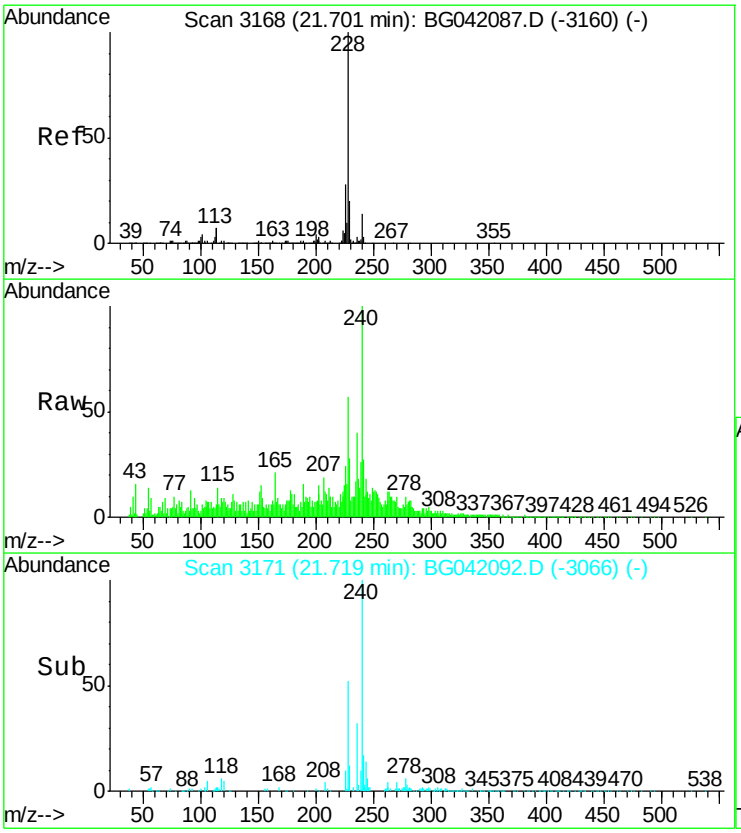
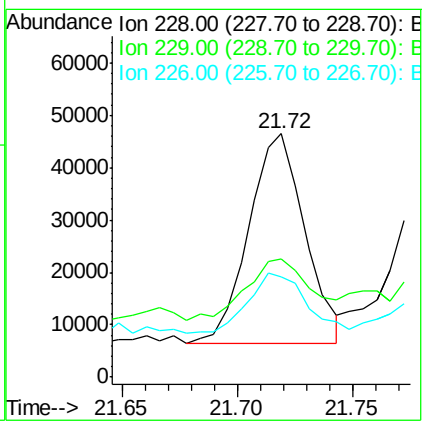
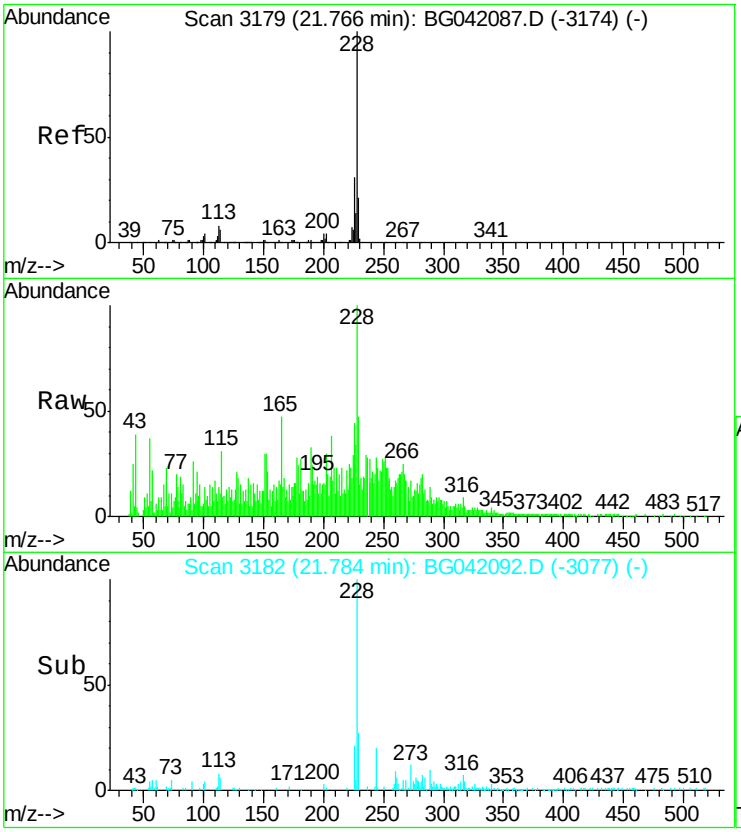


#82
Benzo(a)anthracene
Concen: 2.184 ng/ul
RT: 21.72 min Scan# 3171
Delta R.T. 0.02 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:228 Resp: 67751

Ion	Ratio	Lower	Upper
228	100		
229	48.6	17.0	25.6#
226	41.0	23.3	34.9#





#84
Chrysene
Concen: 2.277 ng/ul
RT: 21.78 min Scan# 3182
Delta R.T. 0.02 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:228 Resp: 65921

Ion	Ratio	Lower	Upper
228	100		
226	44.3	25.7	38.5#
229	47.4	16.6	24.8#

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
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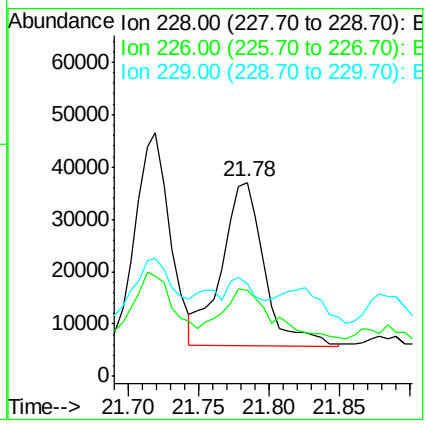

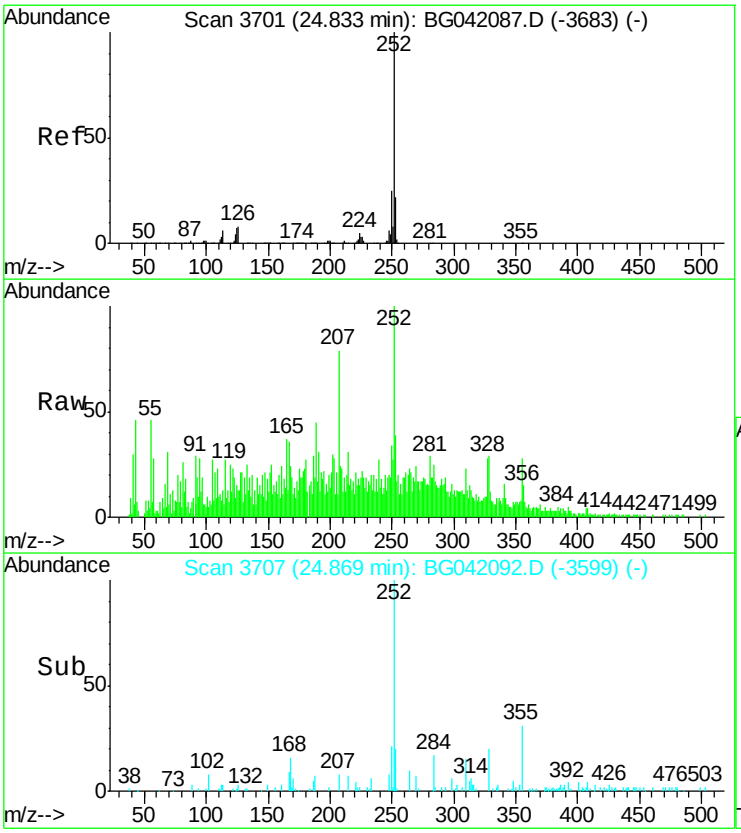

#90
Benzo(a)pyrene
Concen: 1.271 ng/ul
RT: 24.87 min Scan# 3707
Delta R.T. 0.04 min
Lab File: BG042092.D
Acq: 9 Aug 2019 8:14

Tgt Ion:252 Resp: 39959

Ion	Ratio	Lower	Upper
252	100		
253	39.4	18.3	27.5#
125	15.4	6.5	9.7#