Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD2

Manual Integrations APPROVED
JAGRUT
8/27/2019 7:50:26 AM

Quant Time: Aug 26 11:49:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 26 01:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	47239	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	121325m	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	160360	20.00	ng/ul	0.01
61) Phenanthrene-d10	16.99	188	388742	20.00	ng/ul	0.01
77) Chrysene-d12	21.19	240	263106	20.00	ng/ul	0.01
85) Perylene-d12	23.39	264	254196	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	4493m	4.26	ng/uL	0.00
5) Phenol-d5	6.76	99	21236	5.21	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	52963	22.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	62381	18.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	42422	12.01	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	42855	47.37	ng/ul	0.03
22) 2-Nitrophenol-d4	9.49	143	48567	46.13	ng/ul	0.06
26) 2,4-Dichlorophenol-d3	10.02	165	128223m	59.82	ng/ul	0.05
29) 4-Chloroaniline-d4	10.59	131	85343m	32.74	ng/ul	0.09
43) Dimethylphthalate-d6	13.67	166	348466	24.68	ng/ul	0.04
46) Acenaphthylene-d8	13.91	160	382101	25.12	ng/ul	0.01
51) 4-Nitrophenol-d4	14.46	143	35868	17.15	ng/ul	-0.01
57) Fluorene-d10	15.22	176	546040	46.62	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	26349	8.78	ng/ul	0.04
70) Anthracene-d10	17.09	188	532750	25.88	ng/ul	0.01
78) Pyrene-d10	19.39	212	507821	37.14	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.24	264	362999	25.99	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.78	94	68741	15.746	ng/ul	97
10) 2-Chlorophenol	7.13	128	15198	4.448	ng/ul	95
11) 2-Methylphenol	8.02	108	630714	183.460	ng/ul	96
16) 4-Methylphenol	8.36	108	536488	141.933	ng/ul	99
24) 2,4-Dimethylphenol	9.63	107	8916675	3287.719	ng/ul	92
28) Naphthalene	10.42	128	96724205m	14446.199	ng/ul	
34) 2-Methylnaphthalene	12.06	142	16608061	3219.415	ng/ul	97
40) 1,1'-Biphenyl	13.04	154	1223190	93.728	ng/ul	99
44) Dimethylphthalate	13.72	163	48714	3.390	ng/ul#	94
47) Acenaphthylene	13.94	152	522509	33.127	ng/ul	99
49) Acenaphthene	14.30	153	3859409	344.640	ng/ul	99
53) Dibenzofuran	14.64	168	4299326	257.769	ng/ul	89
58) Fluorene	15.29	166	3320398	236.359	ng/ul	98
69) Phenanthrene	17.04	178	4195342	180.396	ng/ul	99
71) Anthracene	17.12	178	545849	22.555	ng/ul	98
74) Carbazole	17.44	167	11615423	531.384	ng/ul	97
76) Fluoranthene	19.05	202	259228	7.397	ng/ul	99
79) Pyrene	19.42	202	140195	8.232	ng/ul	98

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

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Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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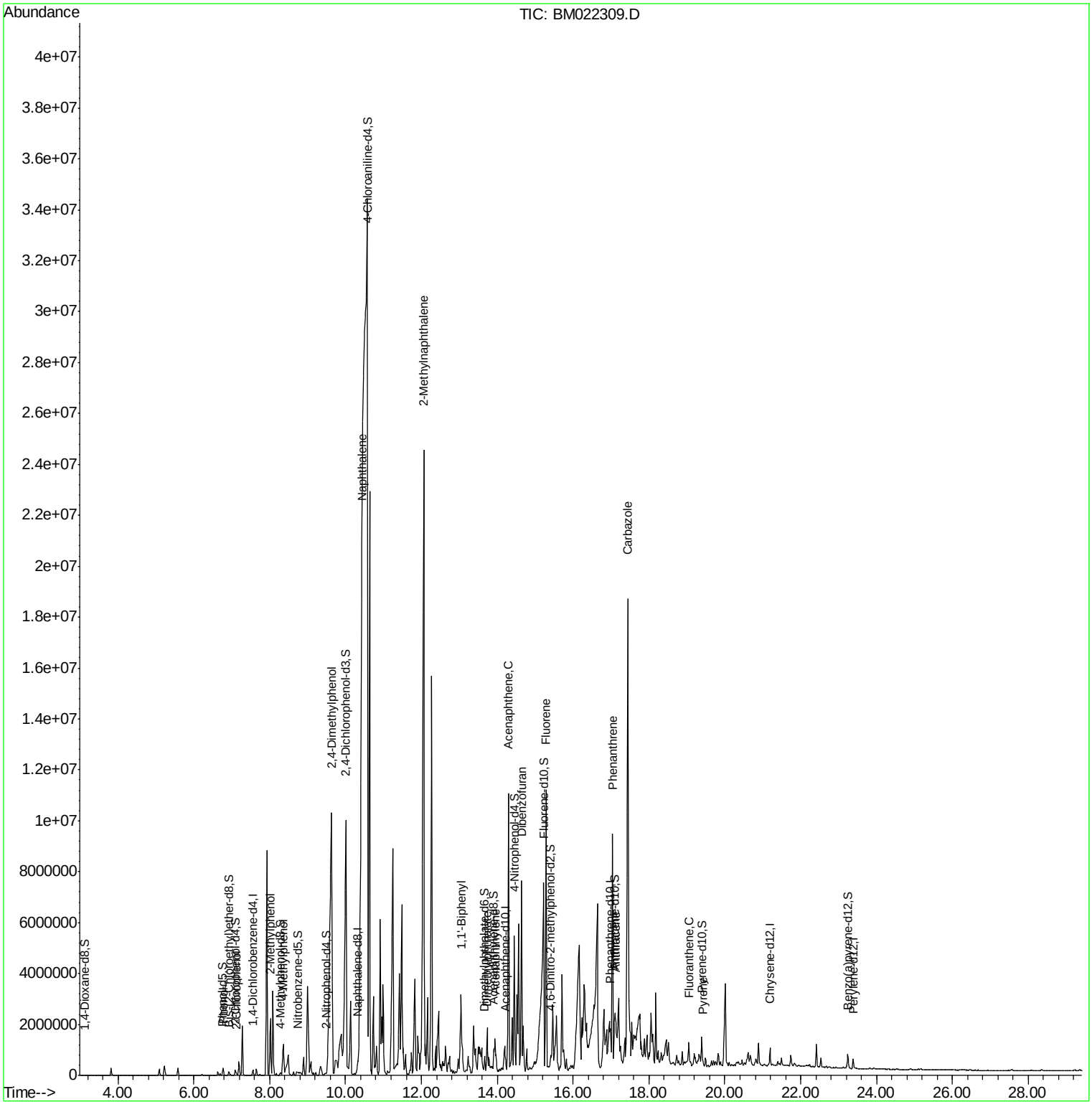
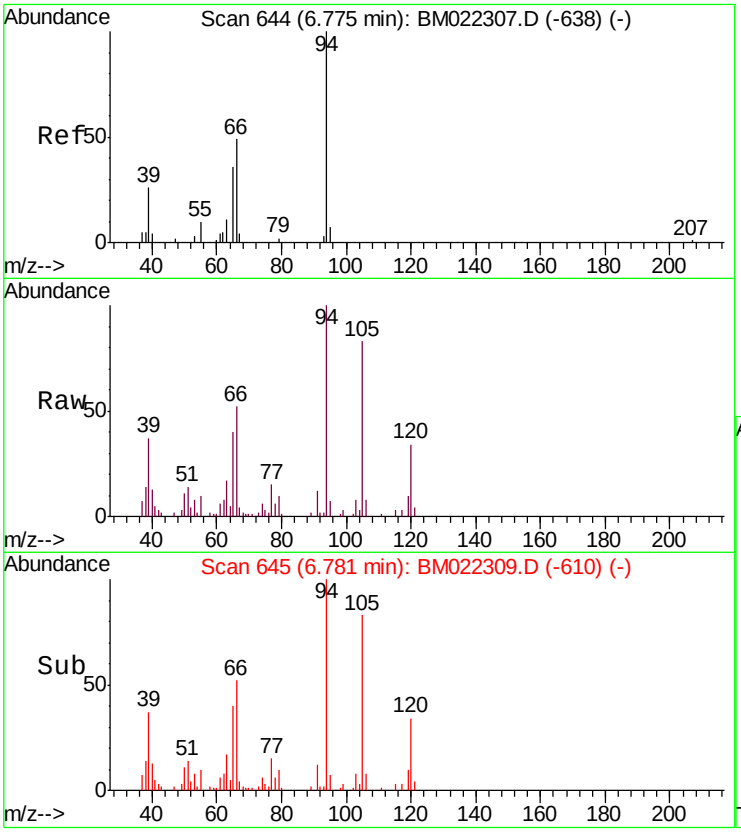
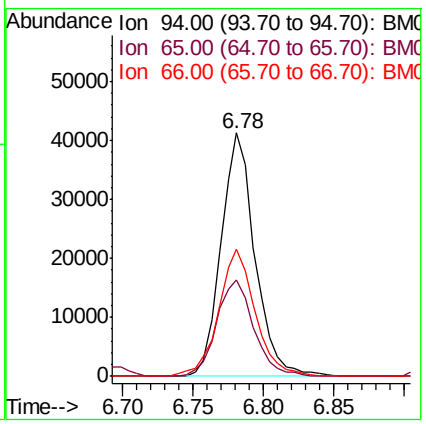




#6
Phenol
Concen: 15.746 ng/ul
RT: 6.78 min Scan# 645
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion: 94 Resp: 68741

Ion	Ratio	Lower	Upper
94	100		
65	39.6	29.2	43.8
66	52.1	40.6	60.8



Instrument :
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ClientSampleId :
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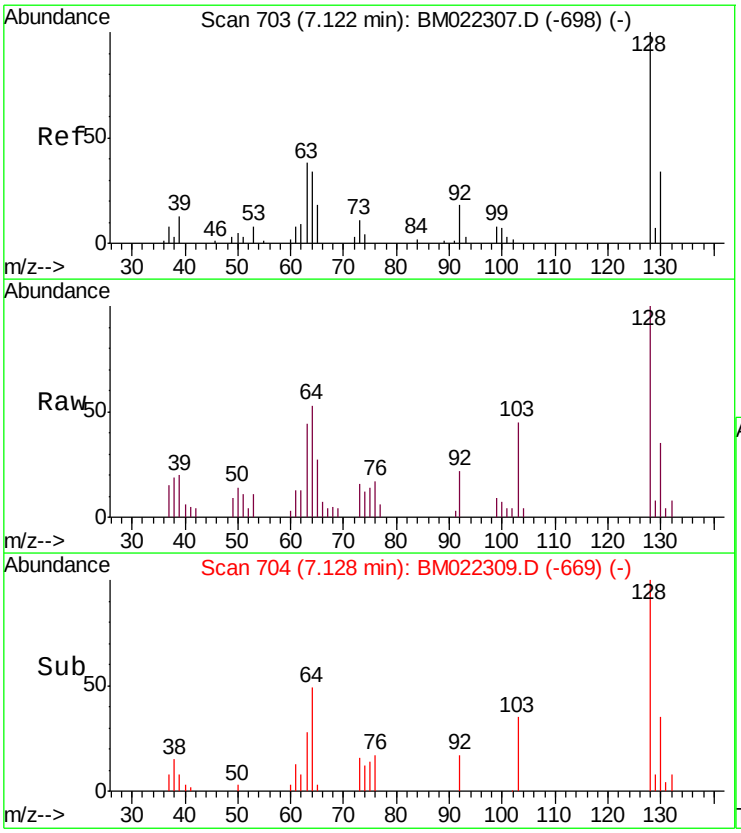
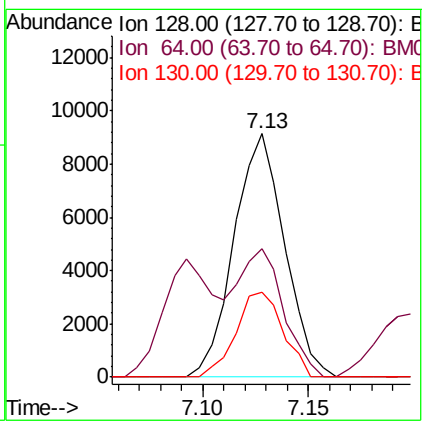
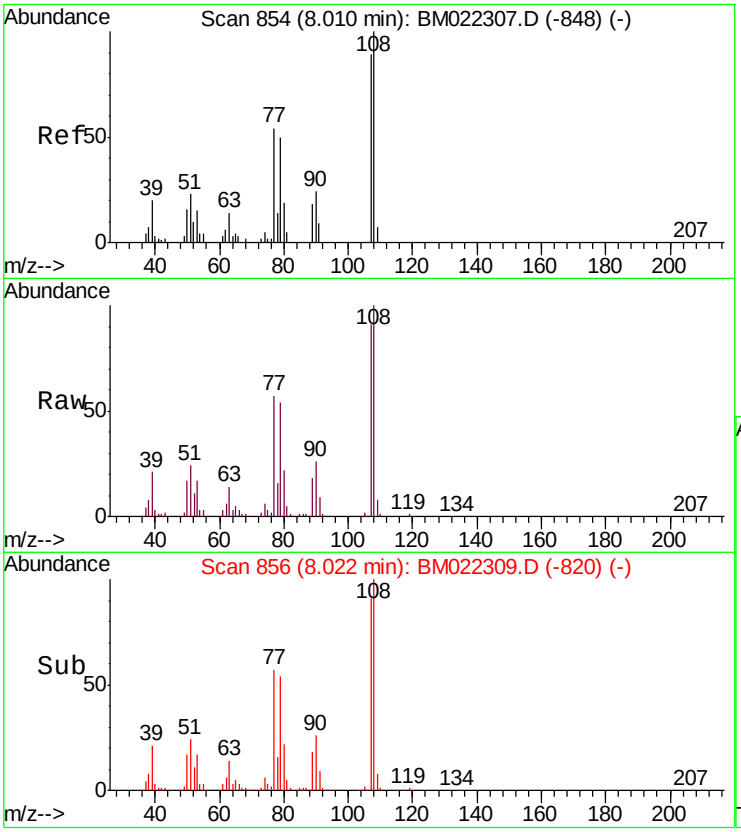


#10
2-Chlorophenol
Concen: 4.448 ng/ul
RT: 7.13 min Scan# 704
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:128 Resp: 15198

Ion	Ratio	Lower	Upper
128	100		
64	52.9	38.6	57.8
130	34.7	27.0	40.6

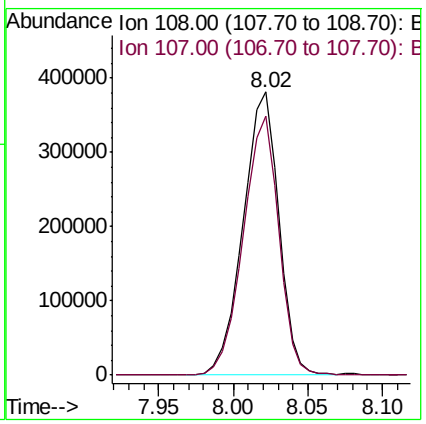




#11
2-Methylphenol
Concen: 183.460 ng/ul
RT: 8.02 min Scan# 856
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:108 Resp: 630714

Ion	Ratio	Lower	Upper
108	100		
107	91.4	70.1	105.1



Instrument :
BNA_M
ClientSampleId :
C0AD2

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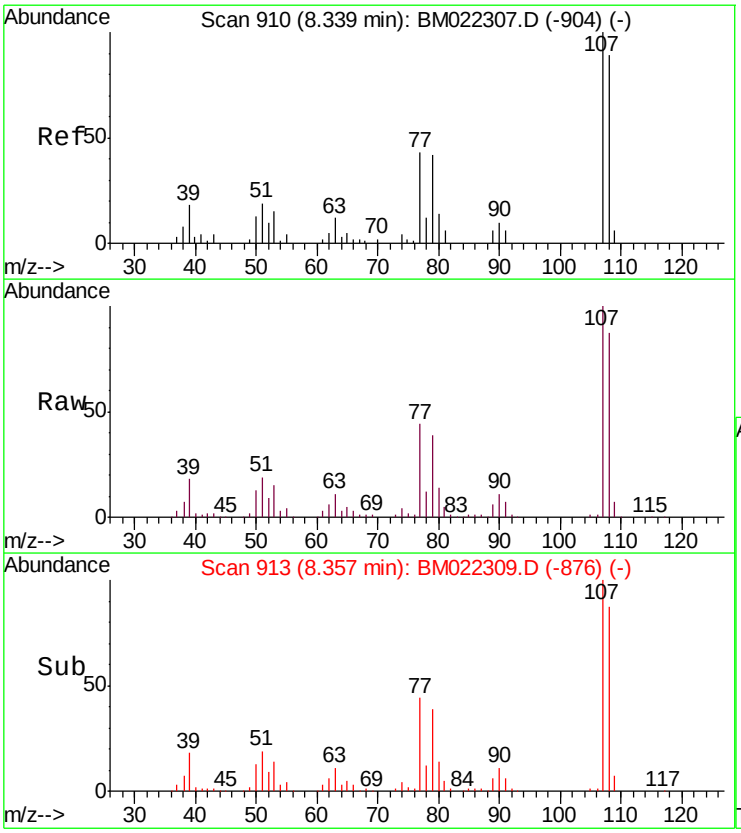
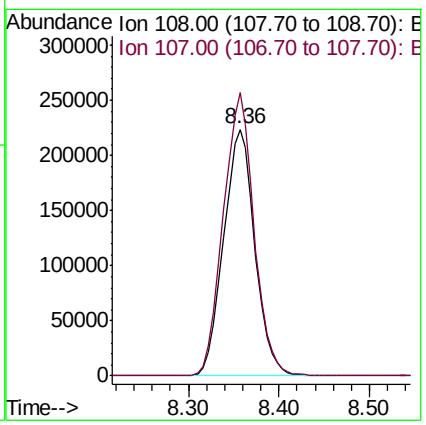
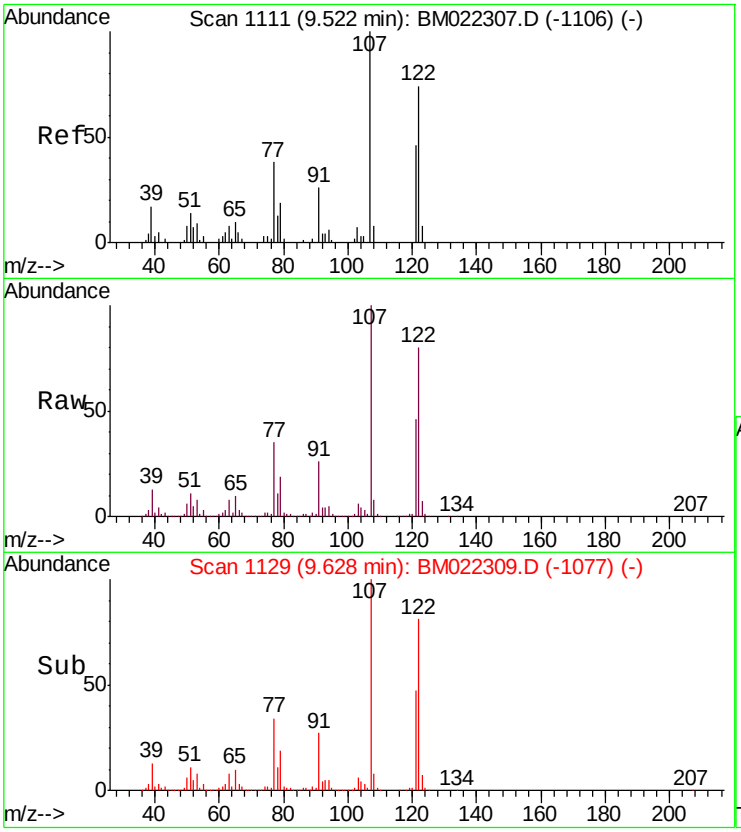


#16
4-Methylphenol
Concen: 141.933 ng/ul
RT: 8.36 min Scan# 913
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:108 Resp: 536488

Ion	Ratio	Lower	Upper
108	100		
107	114.8	90.8	136.2

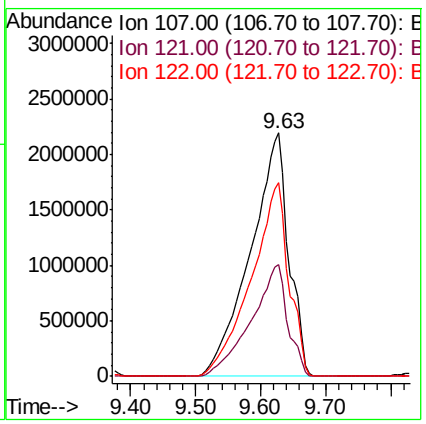




#24
2,4-Dimethylphenol
Concen: 3287.719 ng/ul
RT: 9.63 min Scan# 1129
Delta R.T. 0.11 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:107 Resp: 8916675

Ion	Ratio	Lower	Upper
107	100		
121	45.9	33.6	50.4
122	79.6	58.0	87.0



Instrument :
BNA_M
ClientSampleId :
C0AD2

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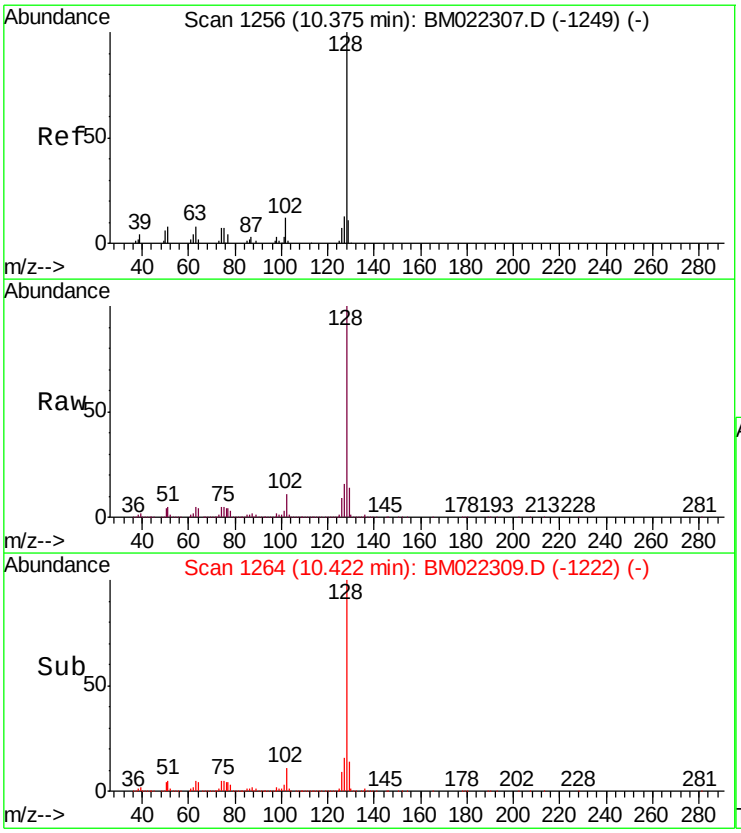
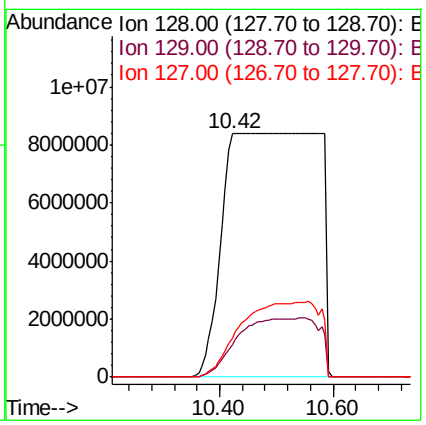
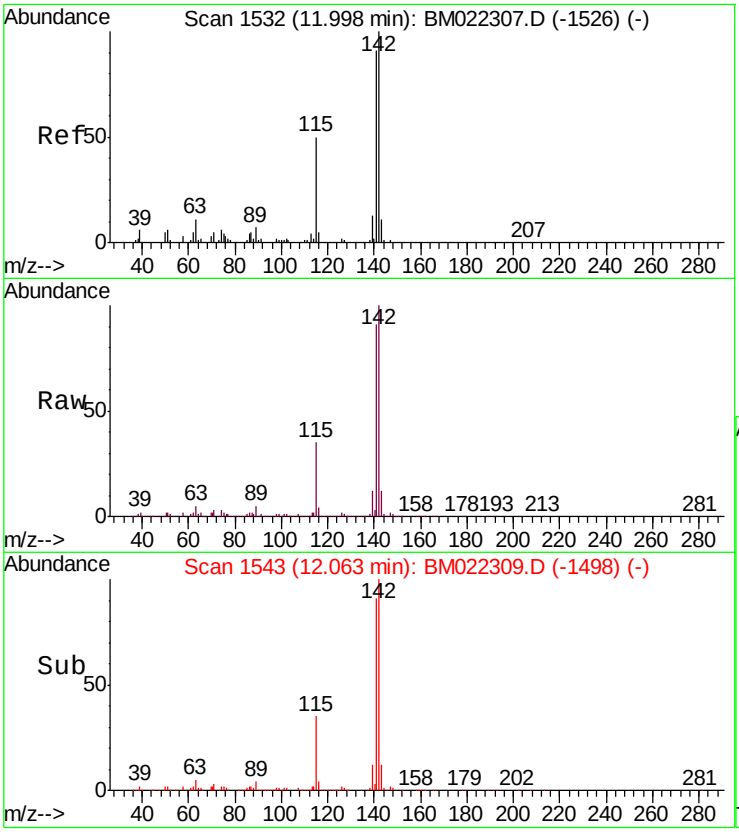


#28
Naphthalene
Concen: 14446.199 ng/ul m
RT: 10.42 min Scan# 1264
Delta R.T. 0.05 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:128 Resp:96724205

Ion	Ratio	Lower	Upper
128	100		
129	13.6	8.6	13.0#
127	16.1	10.4	15.6#





#34
2-Methylnaphthalene
Concen: 3219.415 ng/ul
RT: 12.06 min Scan# 1543
Delta R.T. 0.06 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:142 Resp:16608061

Ion	Ratio	Lower	Upper
142	100		
141	91.1	75.1	112.7

Instrument :
BNA_M
ClientSampleId :
C0AD2

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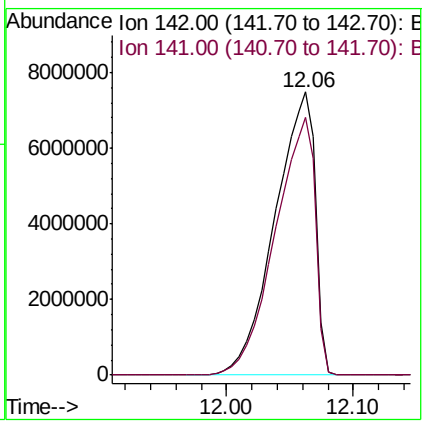
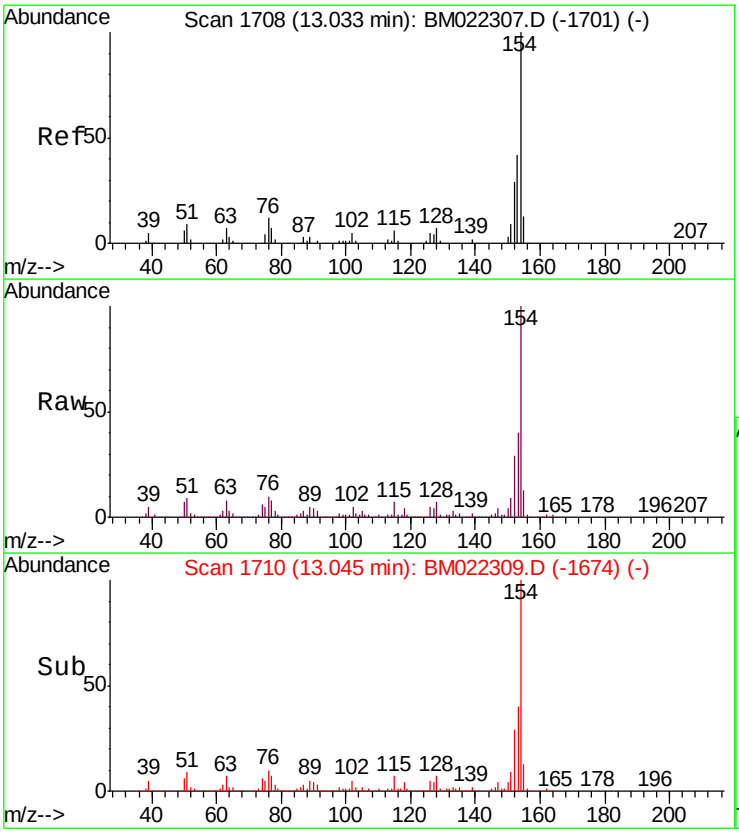
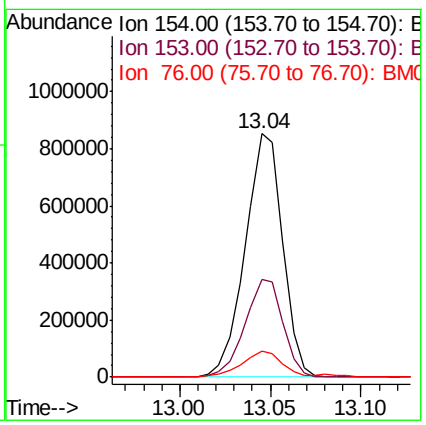


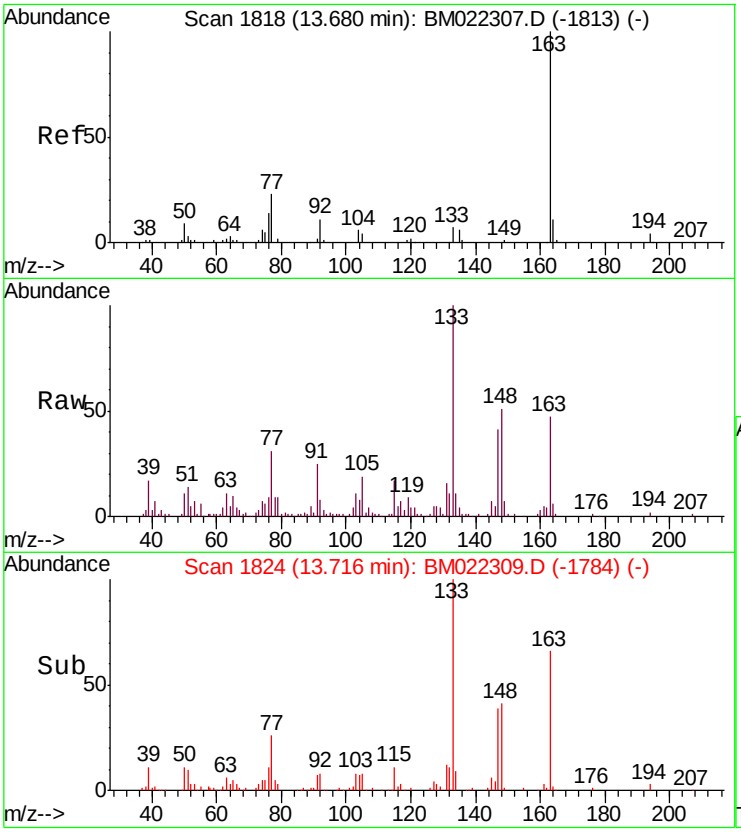


#40
1,1'-Biphenyl
Concen: 93.728 ng/ul
RT: 13.04 min Scan# 1710
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:154 Resp: 1223190

Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.5	48.7
76	10.4	9.2	13.8





#44
Dimethylphthalate
Concen: 3.390 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. 0.04 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:163 Resp: 48714

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	12.6	7.8	11.8#

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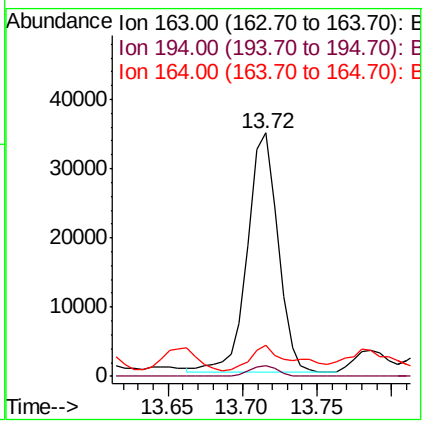
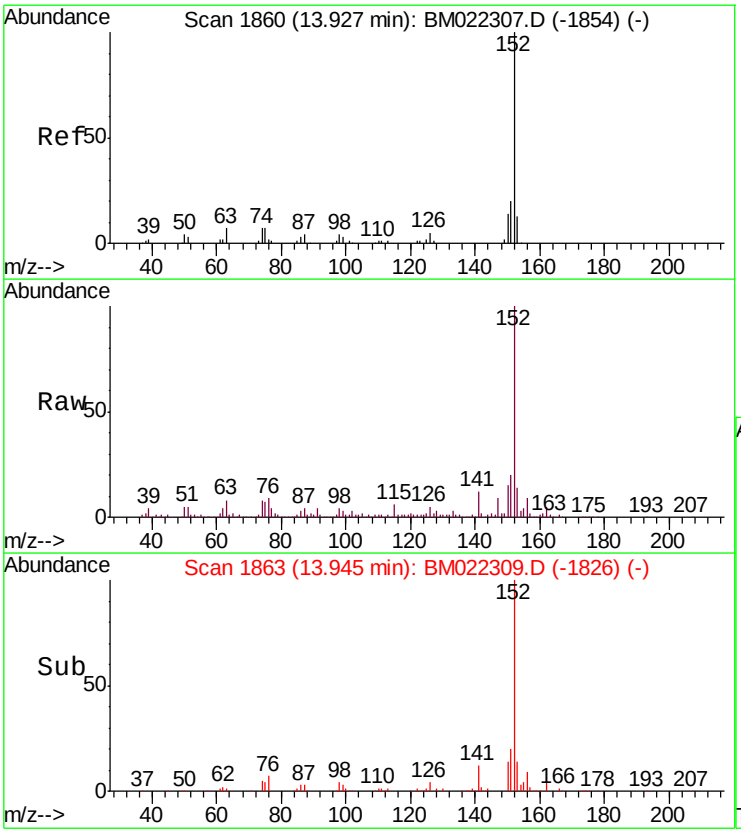
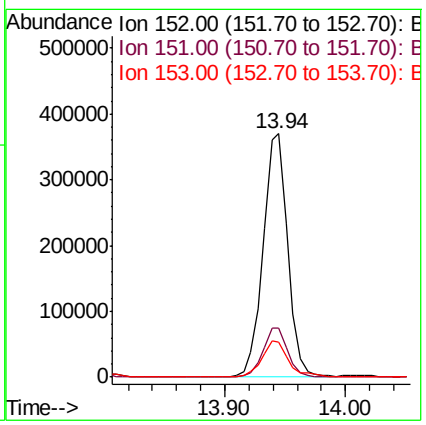


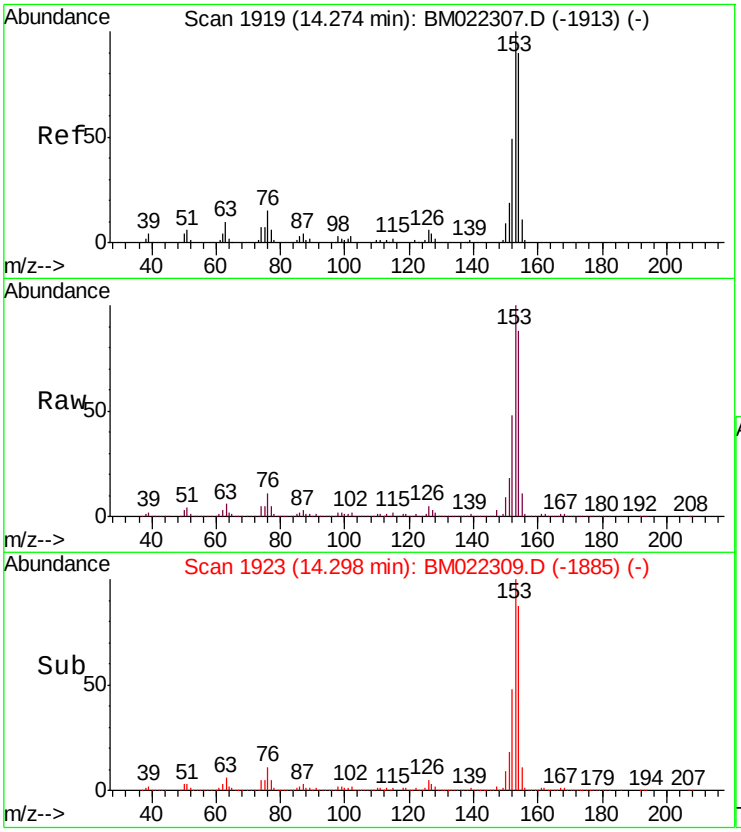


#47
Acenaphthylene
Concen: 33.127 ng/ul
RT: 13.94 min Scan# 1863
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:152 Resp: 522509

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	14.1	10.4	15.6

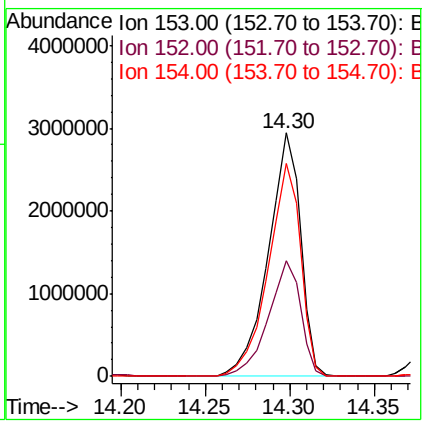




#49
Acenaphthene
Concen: 344.640 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:153 Resp: 3859409

Ion	Ratio	Lower	Upper
153	100		
152	47.5	38.6	58.0
154	87.5	68.9	103.3



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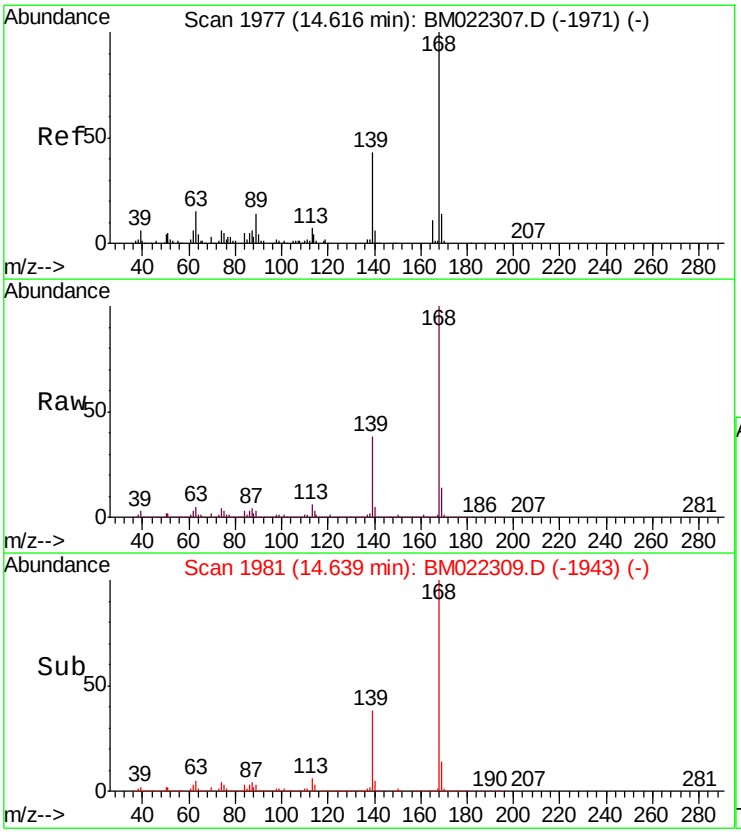
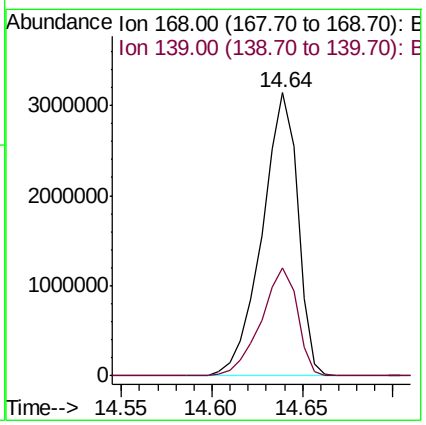
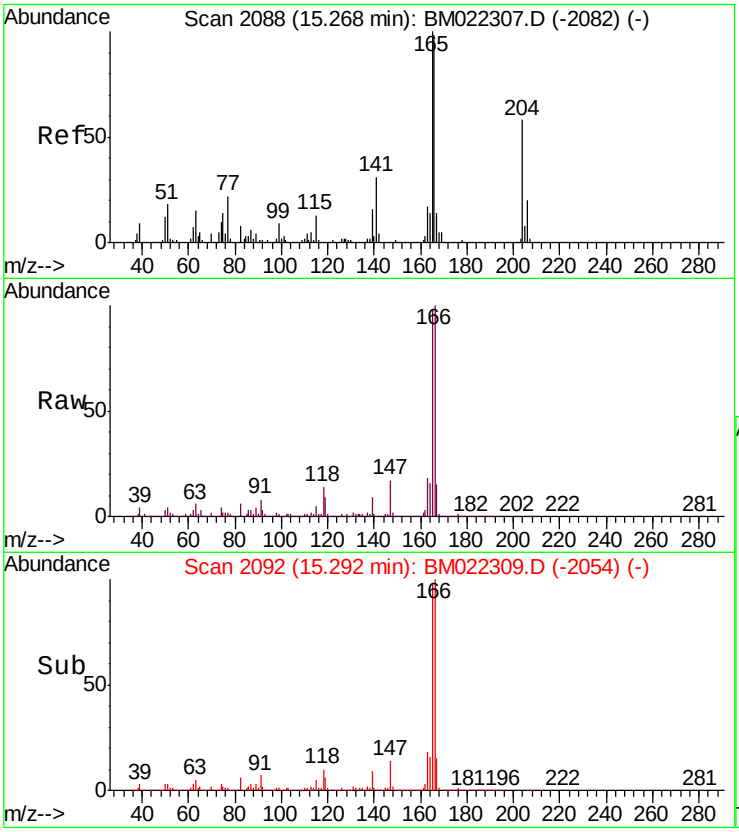


#53
Dibenzofuran
Concen: 257.769 ng/ul
RT: 14.64 min Scan# 1981
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:168 Resp: 4299326

Ion	Ratio	Lower	Upper
168	100		
139	38.3	36.2	54.4

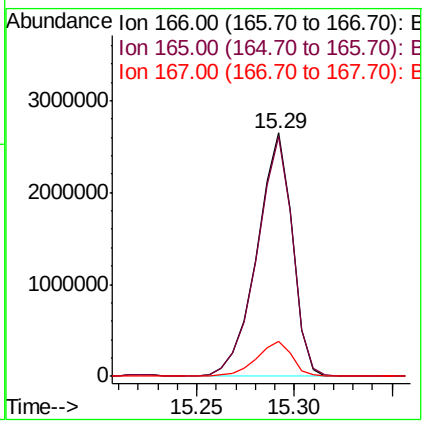




#58
Fluorene
Concen: 236.359 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:166 Resp: 3320398

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.2	120.2
167	14.6	11.4	17.0



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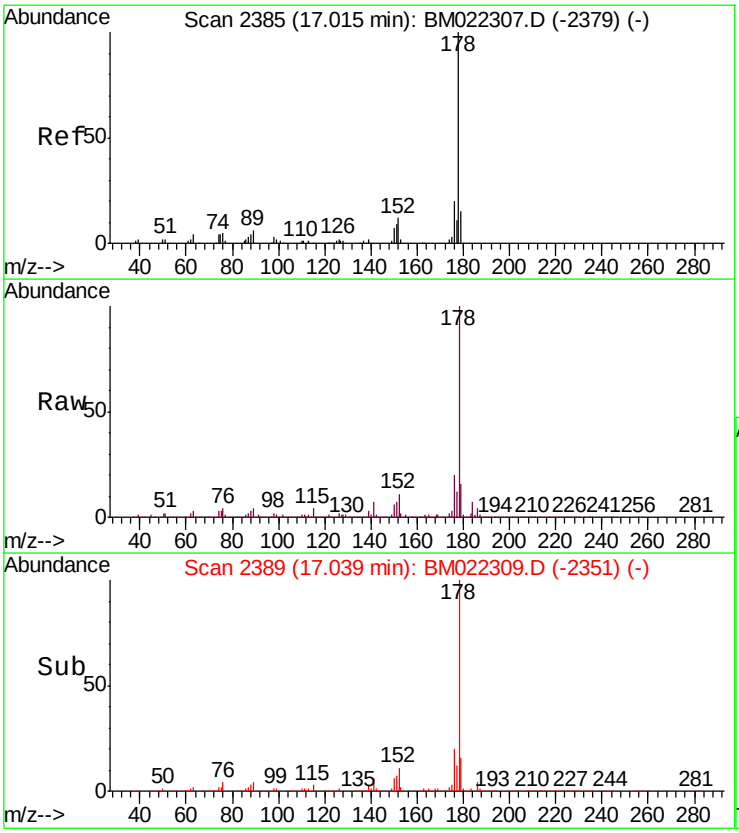
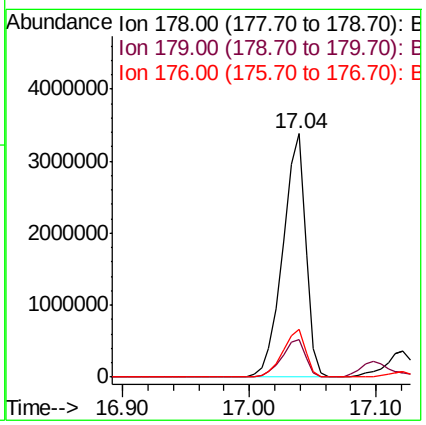
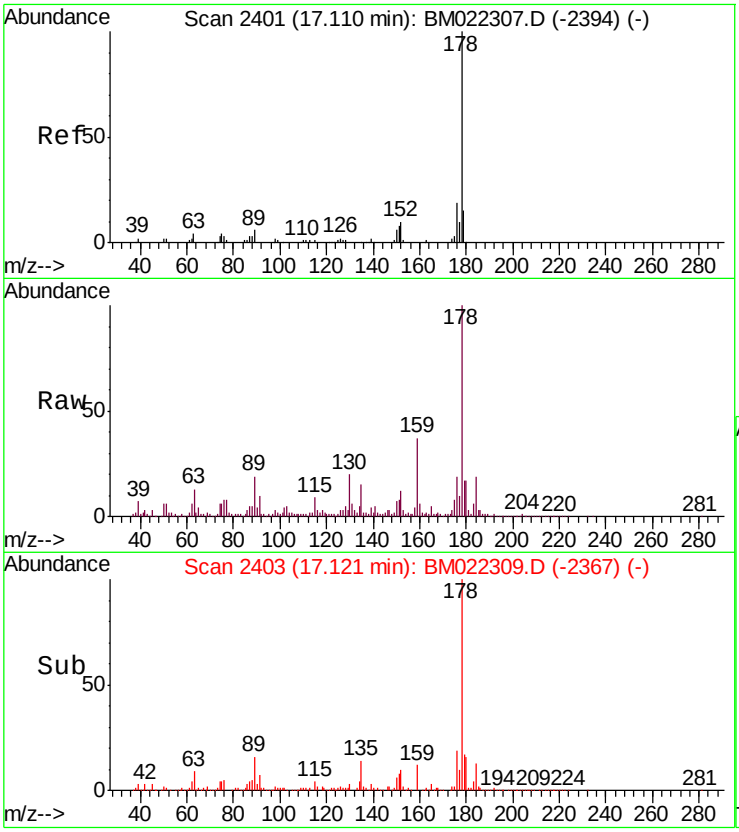


#69
Phenanthrene
Concen: 180.396 ng/ul
RT: 17.04 min Scan# 2389
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:178 Resp: 4195342

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	19.7	15.4	23.0

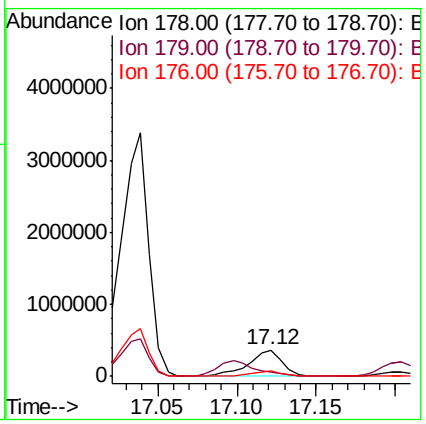




#71
Anthracene
Concen: 22.555 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:178 Resp: 545849

Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.3	18.5
176	19.5	15.5	23.3



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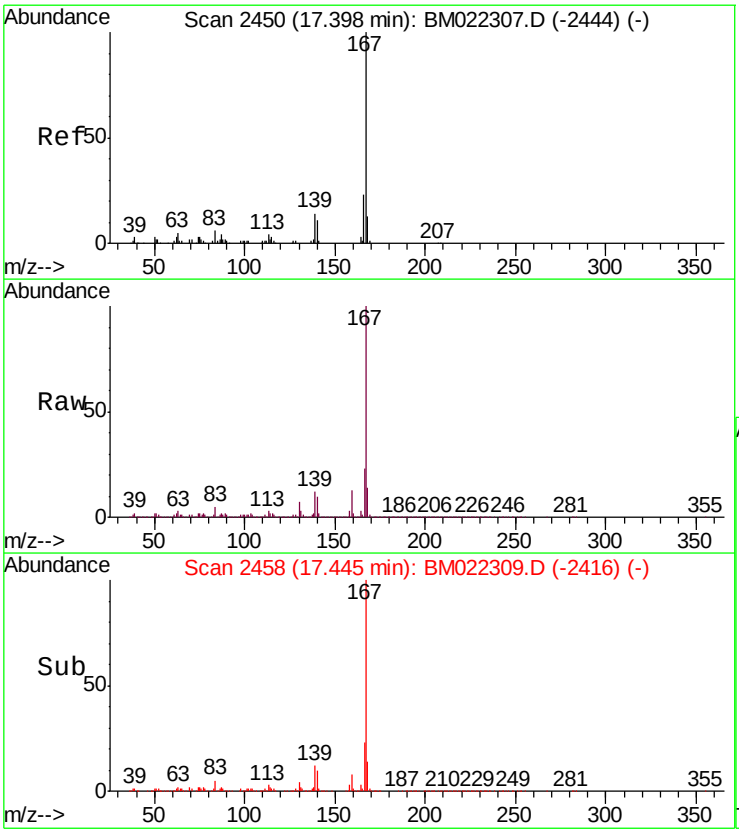
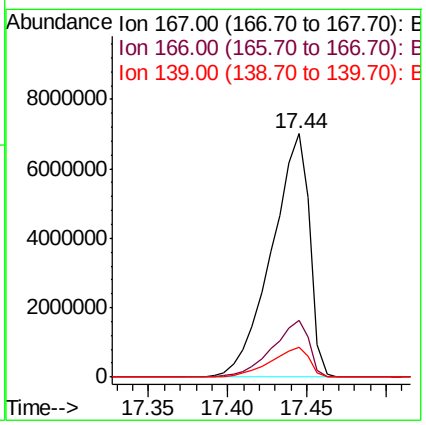
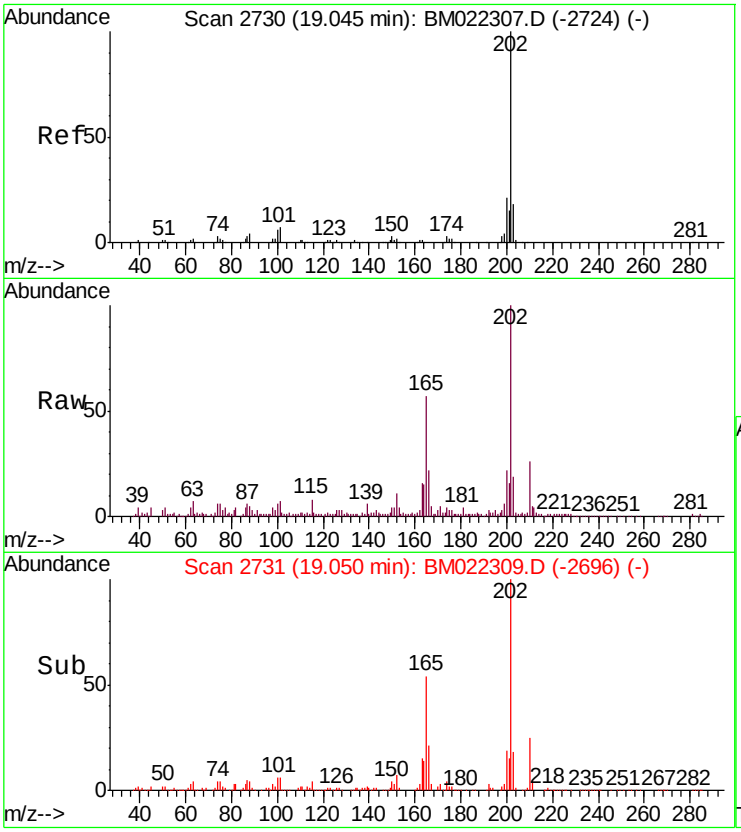


#74
Carbazole
Concen: 531.384 ng/ul
RT: 17.44 min Scan# 2458
Delta R.T. 0.05 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:167 Resp:11615423

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.8	26.8
139	12.4	11.8	17.8

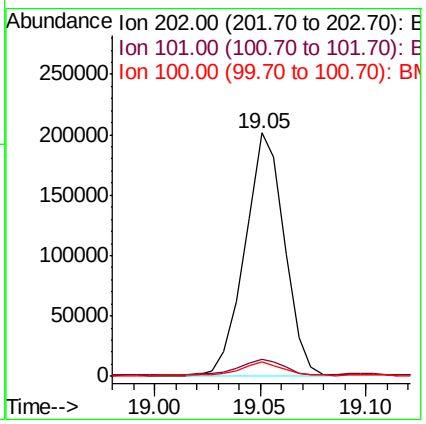




#76
Fluoranthene
Concen: 7.397 ng/ul
RT: 19.05 min Scan# 2731
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

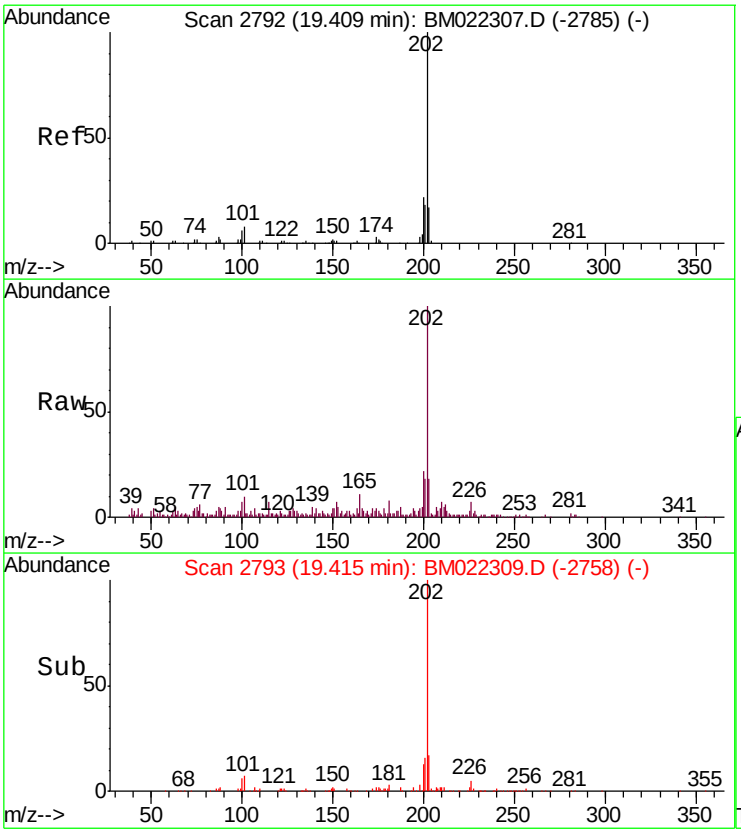
Tgt Ion:202 Resp: 259228

Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.3	7.9
100	5.9	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
C0AD2

Manual Integrations APPROVED
JAGRUT
8/27/2019 7:50:26 AM



#79
Pyrene
Concen: 8.232 ng/ul
RT: 19.42 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:202 Resp: 140195

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.4
100	7.0	5.8	8.8