Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007453.D
Acq On : 07 Sep 2016 23:42
Operator : UM/SJ
Sample : H4666-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A9

Manual Integrations APPROVED
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Quant Time: Sep 08 05:45:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	276095	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1336448	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	882027	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2133469	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2366331	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	1998123	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	18191	3.37	ng/uL	0.00
5) Phenol-d5	6.96	99	488549	18.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	255235	18.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	374456	19.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	407717	17.93	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	199471	20.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	236007	20.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	453880	19.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	159863	5.62	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1566575	20.59	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1868434	21.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	213306	14.85	ng/ul	0.00
57) Fluorene-d10	15.42	176	1388054	21.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	250810	18.70	ng/ul	0.00
70) Anthracene-d10	17.27	188	2261260	22.69	ng/ul	0.00
76) Pyrene-d10	19.56	212	2669636	26.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2093474	22.75	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	6.99	94	33188	1.23	ng/ul	97
28) Naphthalene	10.63	128	360363	5.42	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	270242	4.97	ng/ul	100
40) 1,1'-Biphenyl	13.26	154	100482	1.47	ng/ul	97
44) Dimethylphthalate	13.88	163	915989	12.09	ng/ul	99
47) Acenaphthylene	14.15	152	111637	1.23	ng/ul	98
53) Dibenzofuran	14.82	168	424340	4.80	ng/ul	97
69) Phenanthrene	17.21	178	1592715	13.91	ng/ul	99
71) Anthracene	17.30	178	402136	3.40	ng/ul	99
72) Carbazole	17.57	167	157329	1.53	ng/ul	96
74) Fluoranthene	19.23	202	1882460	13.10	ng/ul	100
77) Pyrene	19.59	202	1133376	8.93	ng/ul	99
80) Benzo(a)anthracene	21.33	228	758107m	5.43	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.26	149	90582	1.18	ng/ul#	95
82) Chrysene	21.39	228	1808705m	14.31	ng/ul	
85) Benzo(b)fluoranthene	22.94	252	2433160	20.59	ng/ul	98
86) Benzo(k)fluoranthene	22.99	252	727496m	6.66	ng/ul	
88) Benzo(a)pyrene	23.52	252	298684	2.64	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	25.91	276	440941	3.18	ng/ul	98
90) Dibenzo(a,h)anthracene	25.92	278	158977	1.38	ng/ul#	81
91) Benzo(g,h,i)perylene	26.62	276	295008	2.50	ng/ul	99

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Sample : H4666-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Time: Sep 08 05:45:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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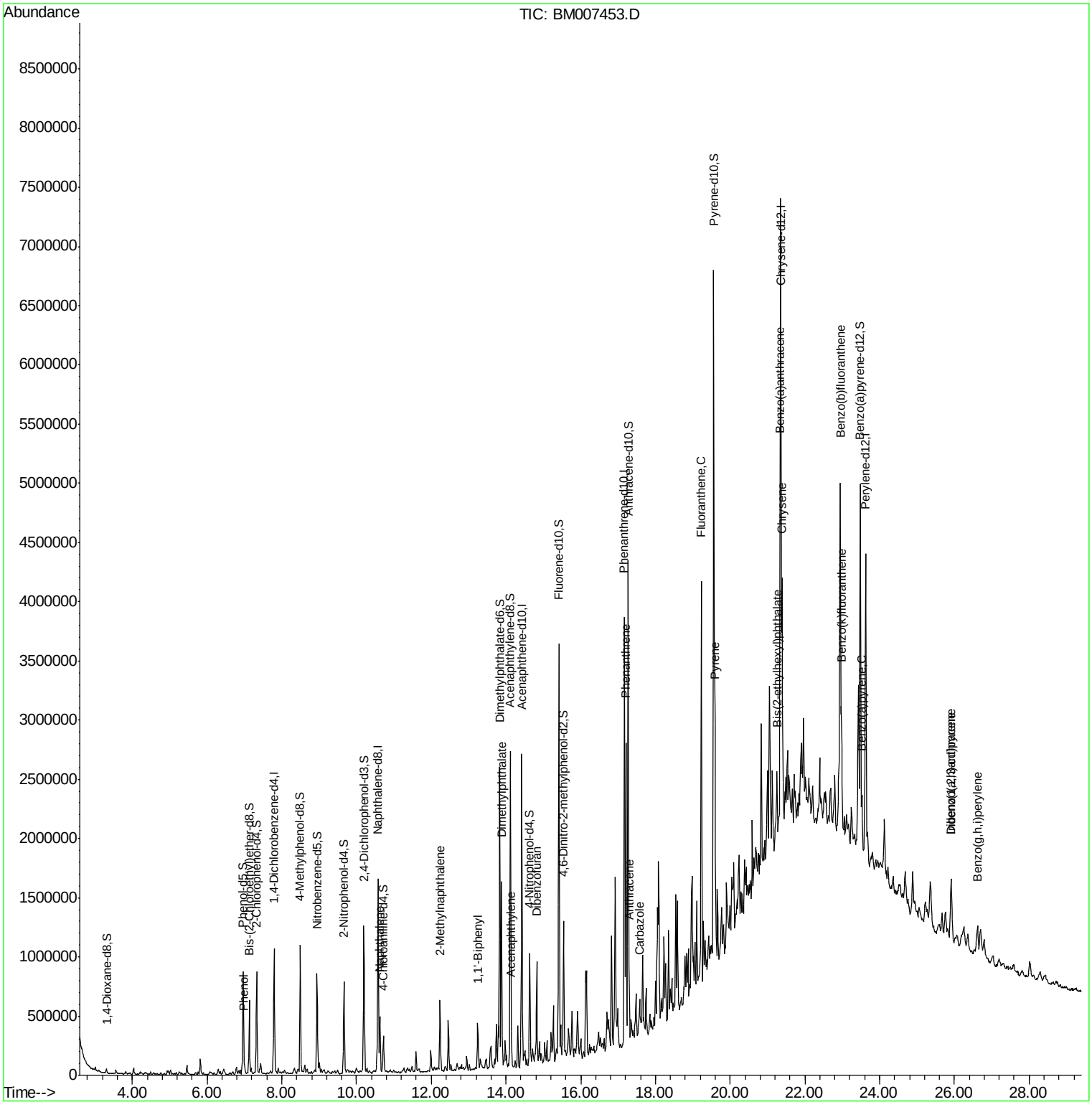
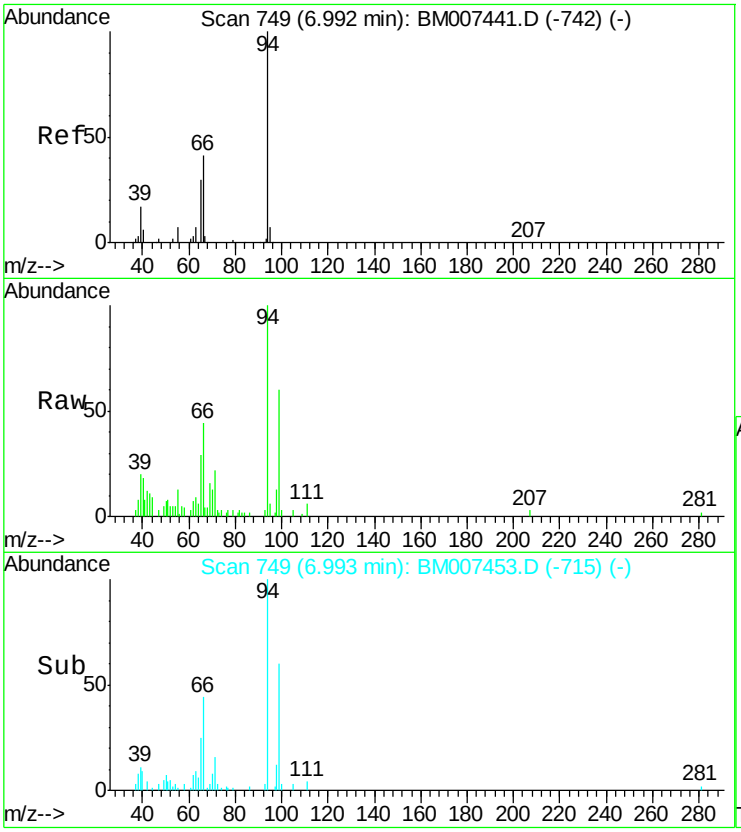
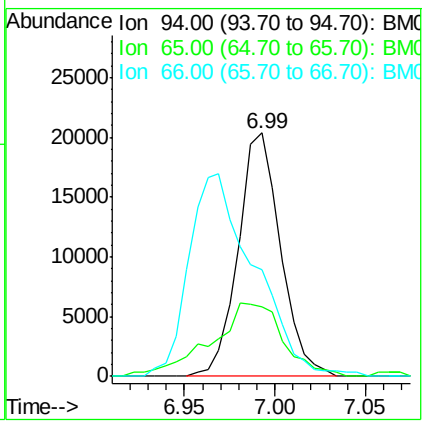




#6
Phenol
Concen: 1.23 ng/ul
RT: 6.99 min Scan# 749
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion: 94 Resp: 33188

Ion	Ratio	Lower	Upper
94	100		
65	28.6	23.9	35.9
66	43.7	33.5	50.3



Instrument :
BNA_M
ClientSampleId :
BD3A9

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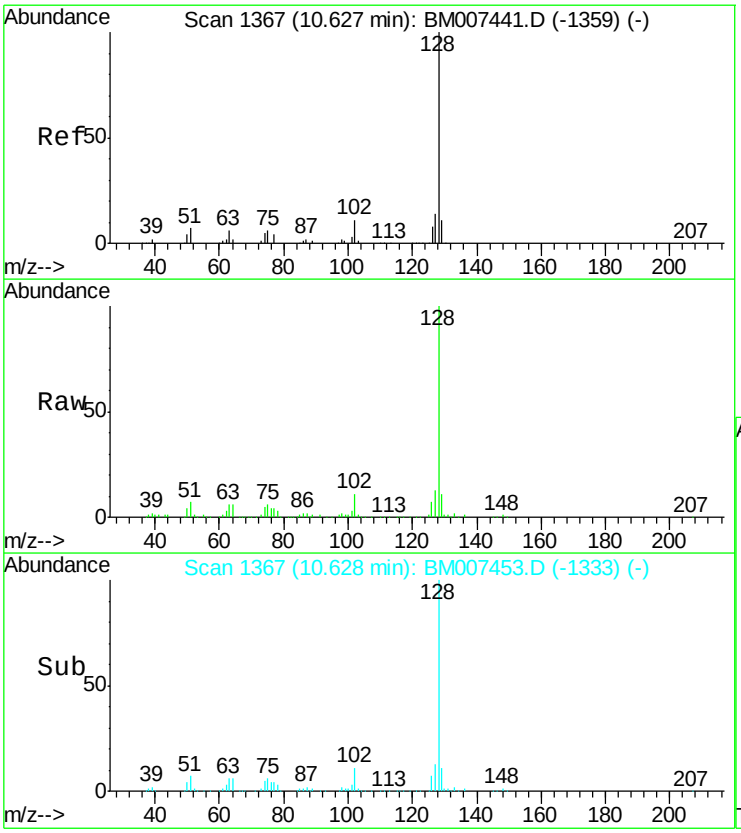
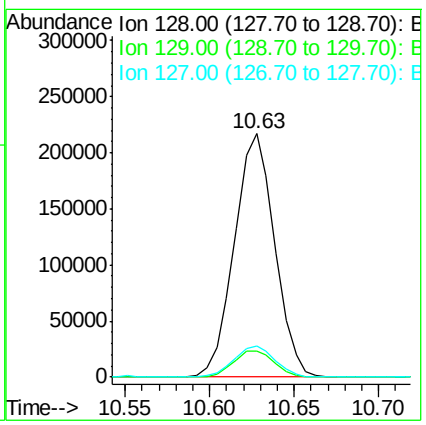
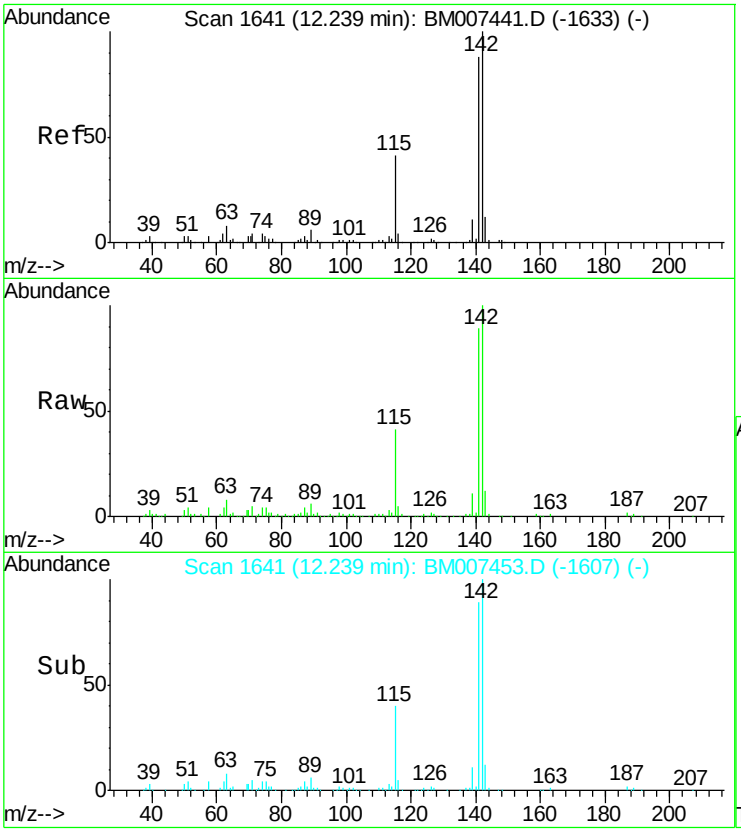


#28
Naphthalene
Concen: 5.42 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:128 Resp: 360363

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	12.9	10.6	15.8





#34
2-Methylnaphthalene
Concen: 4.97 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:142 Resp: 270242

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
BD3A9

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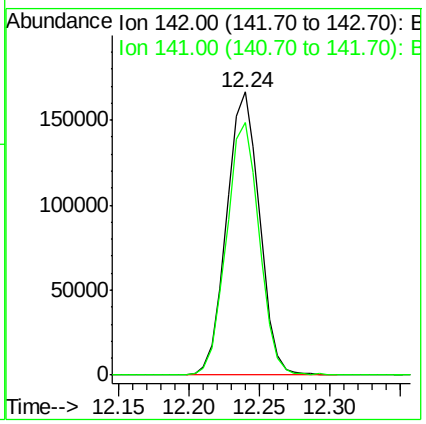
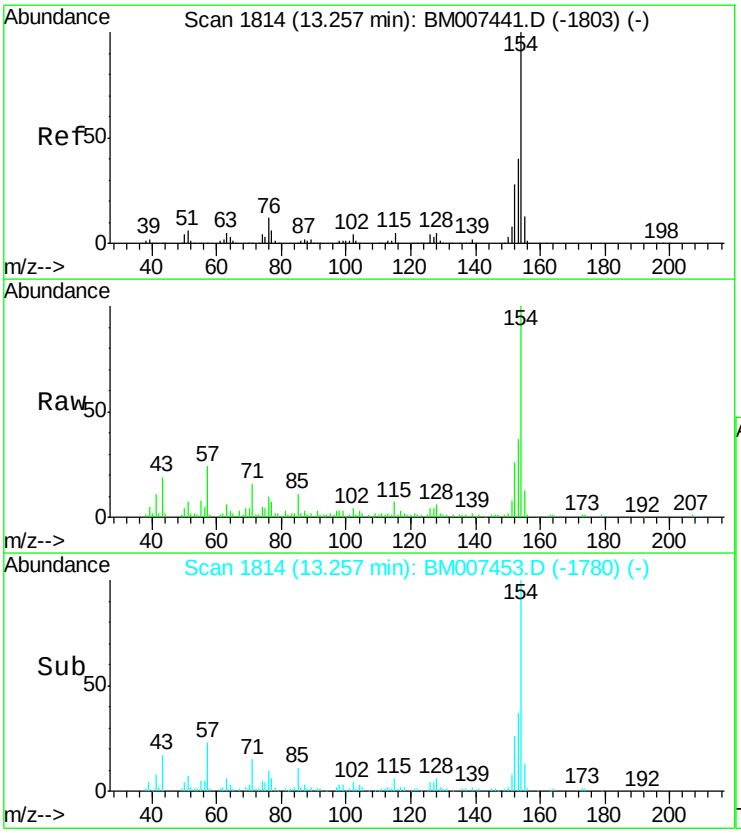
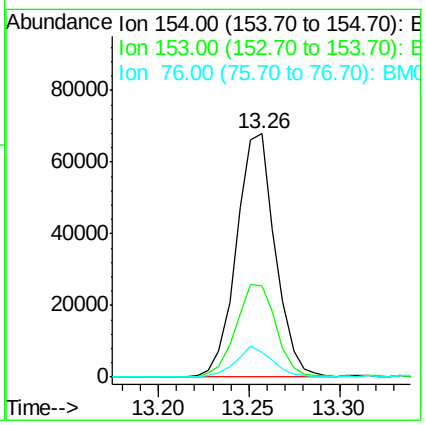


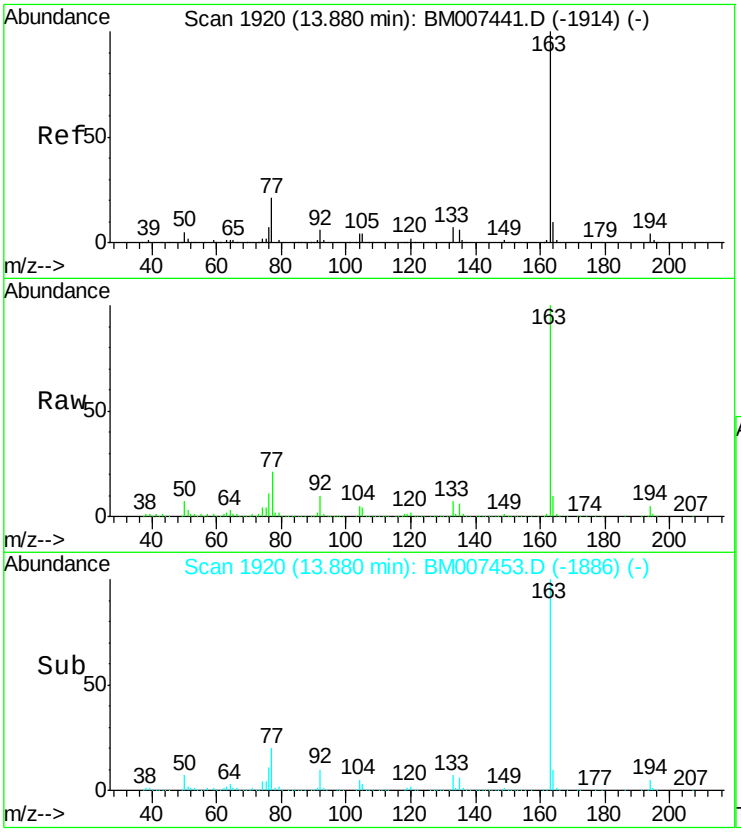


#40
1,1'-Biphenyl
Concen: 1.47 ng/ul
RT: 13.26 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:154 Resp: 100482

Ion	Ratio	Lower	Upper
154	100		
153	37.5	31.3	46.9
76	10.1	10.0	15.0

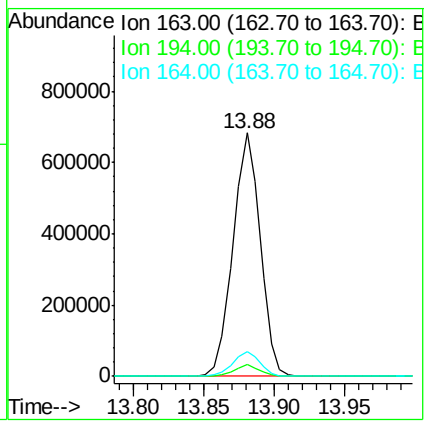




#44
Dimethylphthalate
Concen: 12.09 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:163 Resp: 915989

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.3	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
BD3A9

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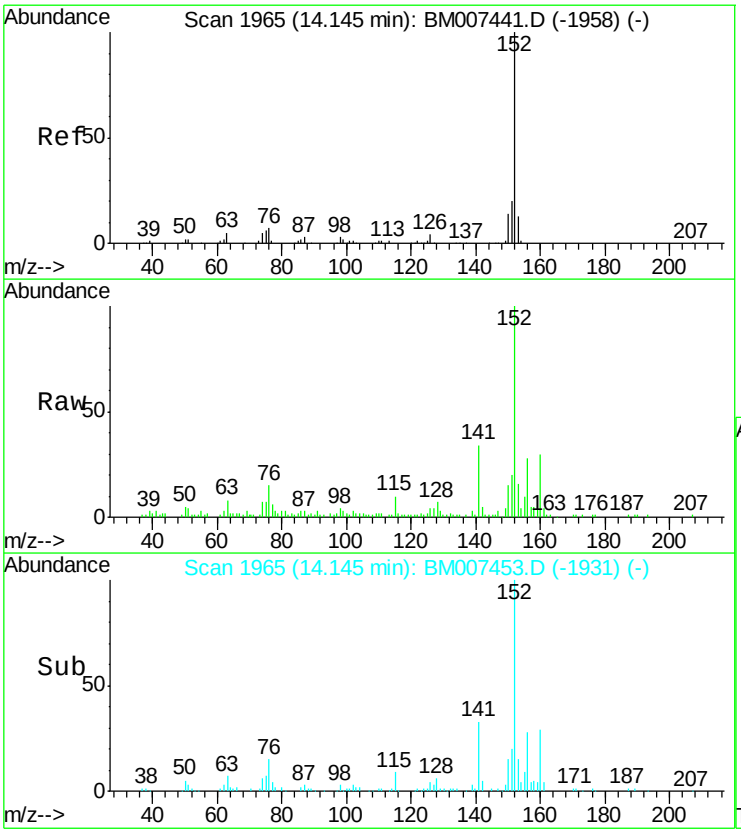
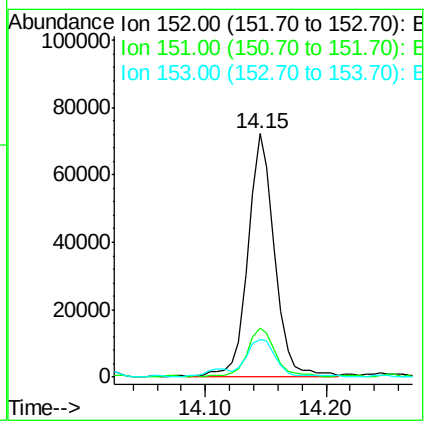
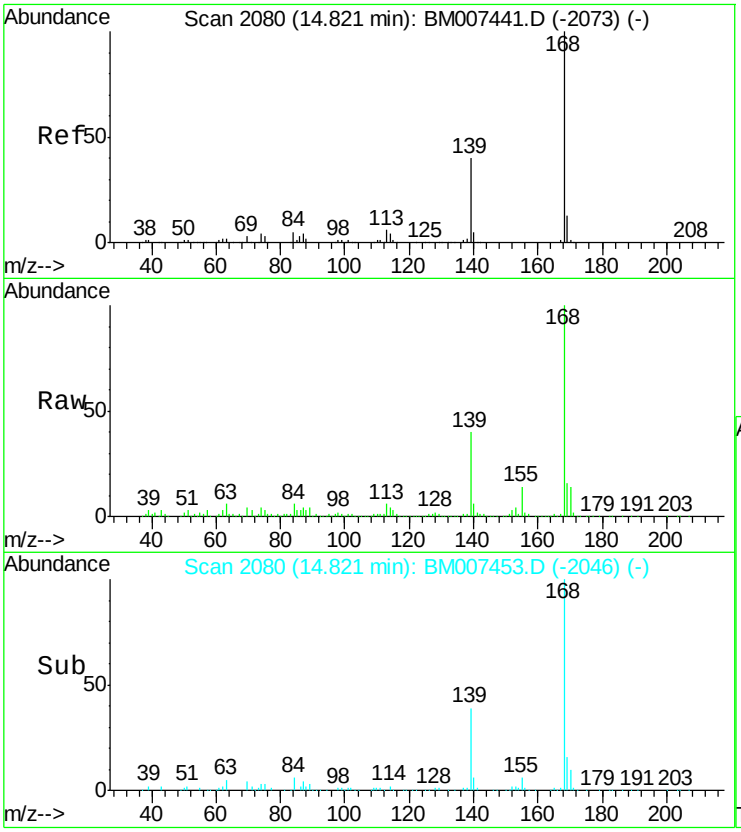


#47
Acenaphthylene
Concen: 1.23 ng/ul
RT: 14.15 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:152 Resp: 111637

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	15.6	11.0	16.6





#53
Dibenzofuran
Concen: 4.80 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:168 Resp: 424340

Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.1	45.1

Instrument :
BNA_M
ClientSampleId :
BD3A9

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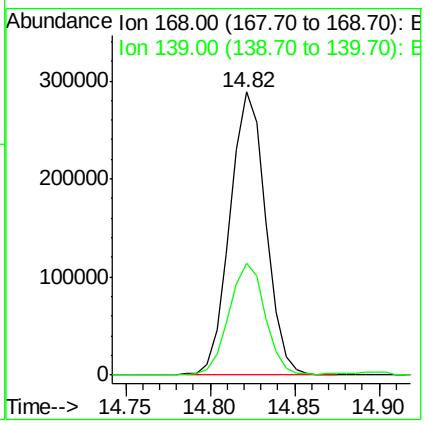
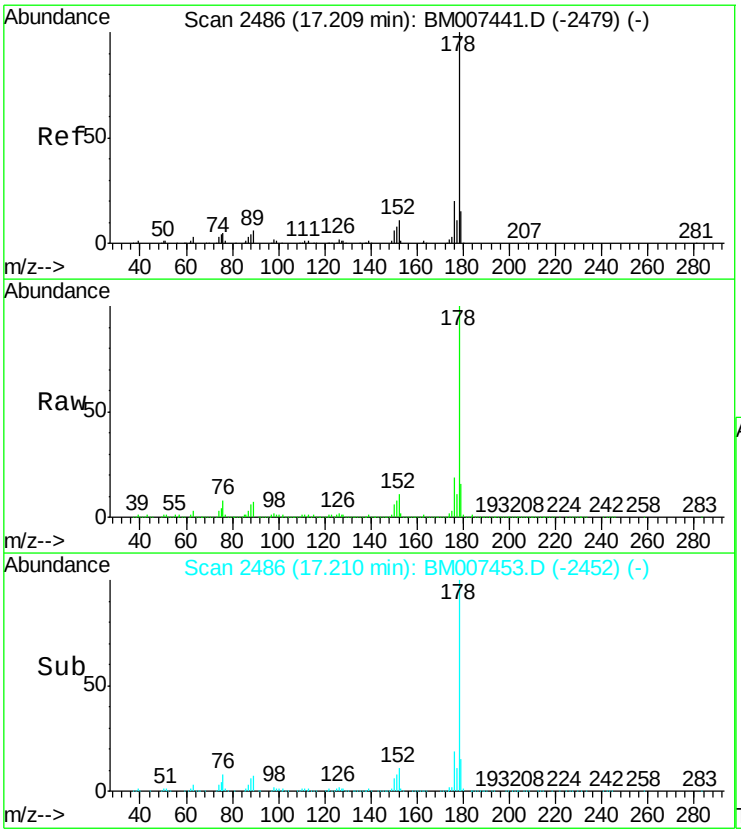
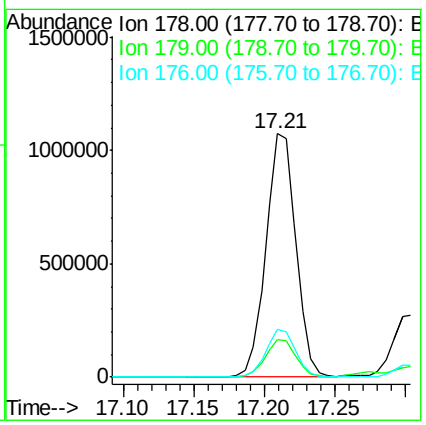


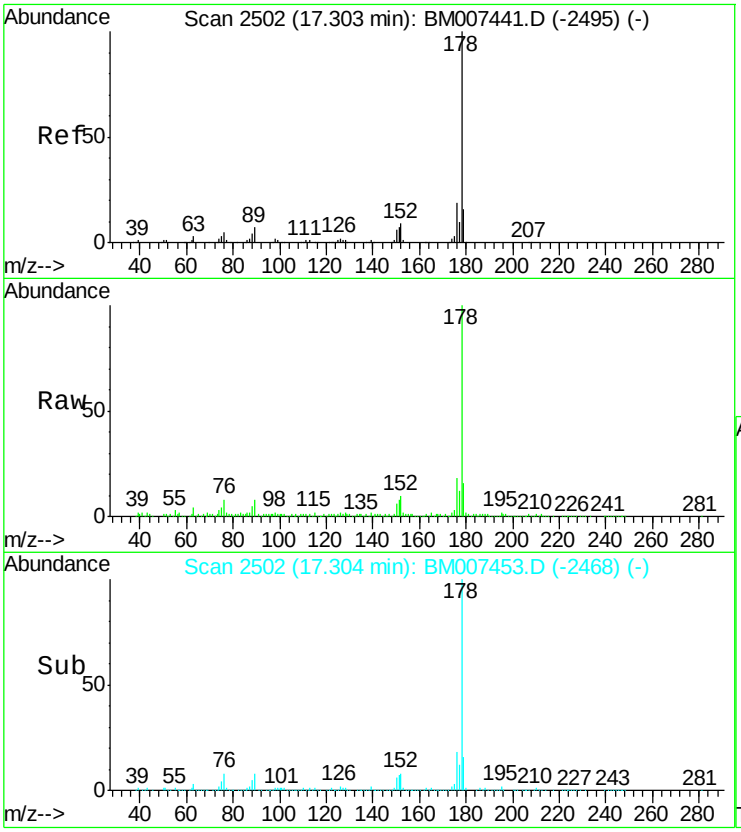


#69
Phenanthrene
Concen: 13.91 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:178 Resp: 1592715

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.5	15.1	22.7

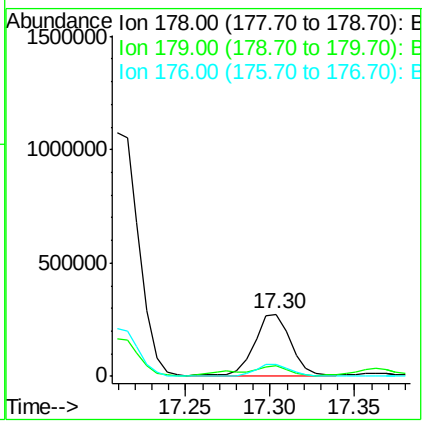




#71
Anthracene
Concen: 3.40 ng/ul
RT: 17.30 min Scan# 2502
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:178 Resp: 402136

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.1	18.1
176	18.3	14.5	21.7



Instrument :
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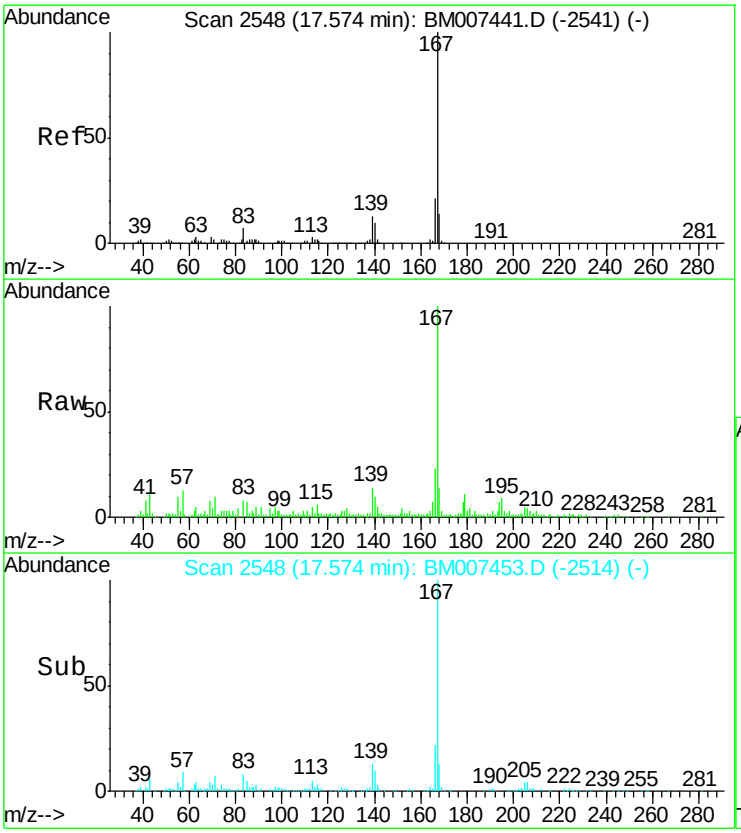
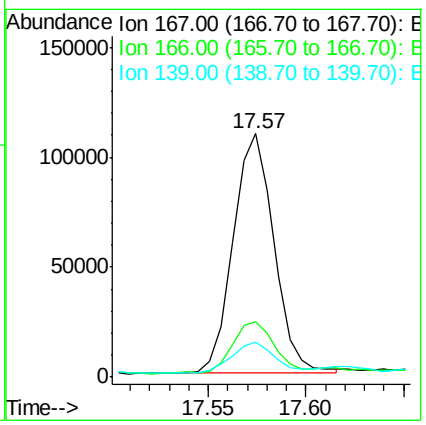
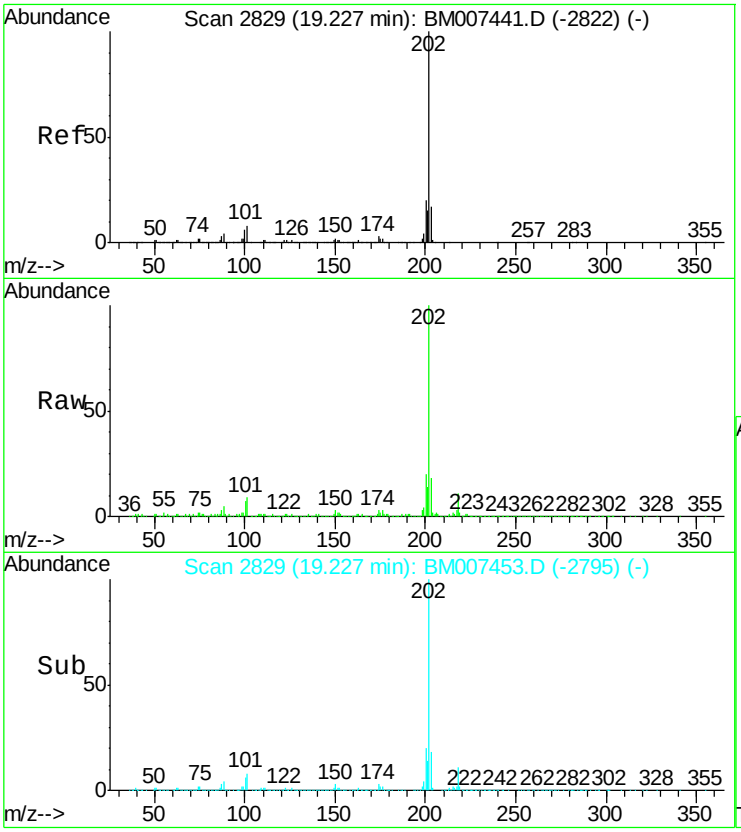


#72
Carbazole
Concen: 1.53 ng/ul
RT: 17.57 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:167 Resp: 157329

Ion	Ratio	Lower	Upper
167	100		
166	22.9	16.6	25.0
139	14.3	10.2	15.4

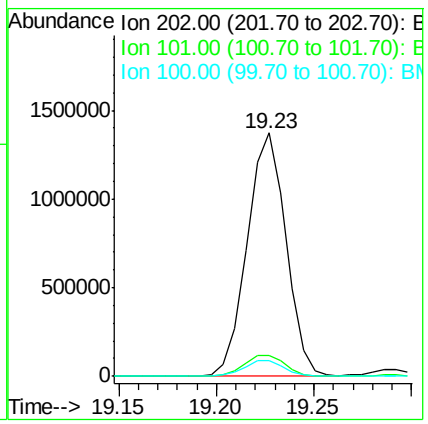




#74
Fluoranthene
Concen: 13.10 ng/ul
RT: 19.23 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:202 Resp: 1882460

Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.9	10.3
100	6.5	5.4	8.0



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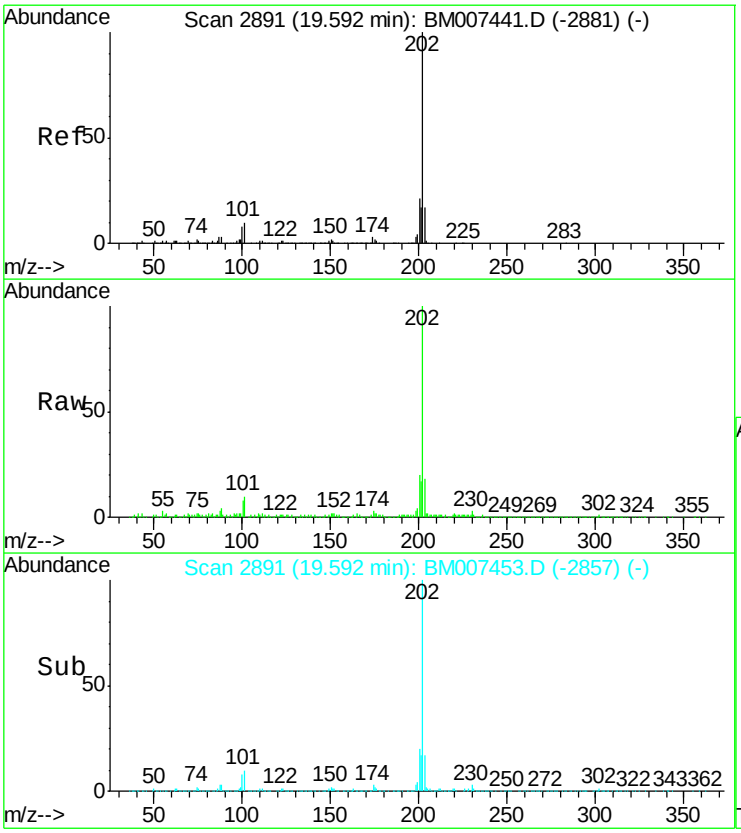
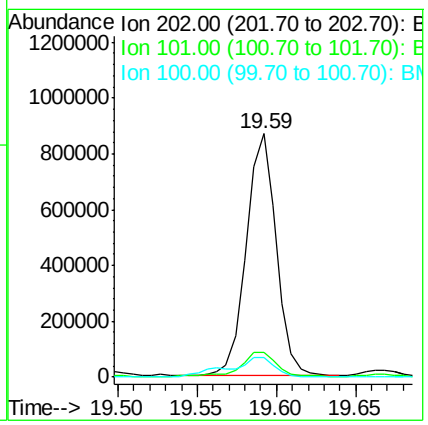
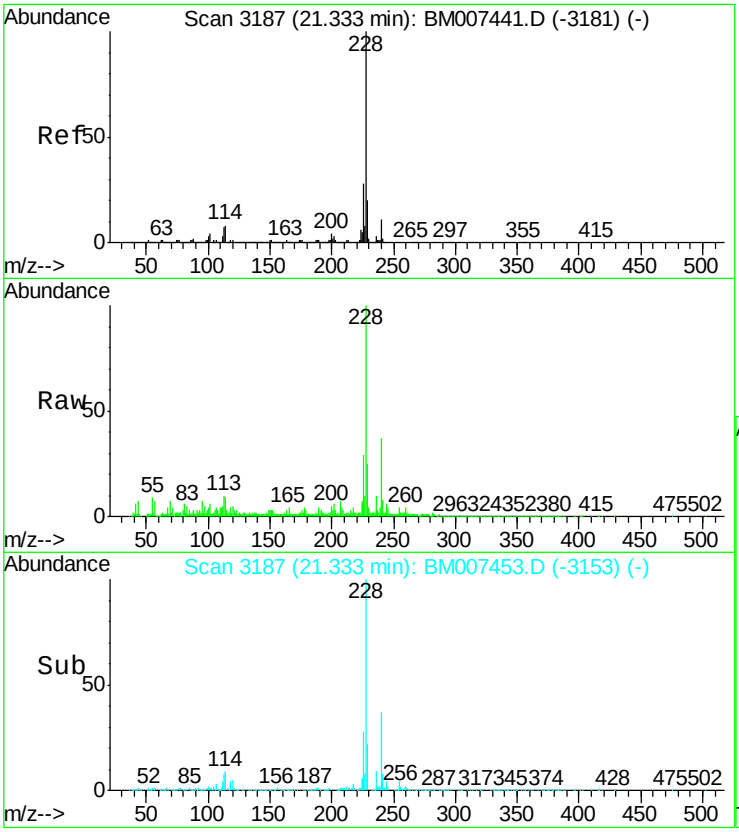


#77
Pyrene
Concen: 8.93 ng/ul
RT: 19.59 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:202 Resp: 1133376

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.4	12.6
100	8.3	6.9	10.3





#80
Benzo(a)anthracene
Concen: 5.43 ng/ul m
RT: 21.33 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:228 Resp: 758107

Ion	Ratio	Lower	Upper
228	100		
229	24.9	15.6	23.4#
226	29.1	21.8	32.8

Instrument :
BNA_M
ClientSampleId :
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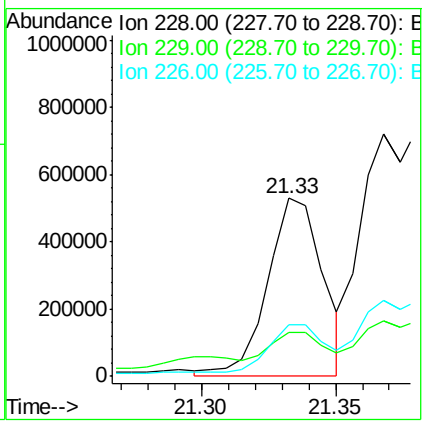
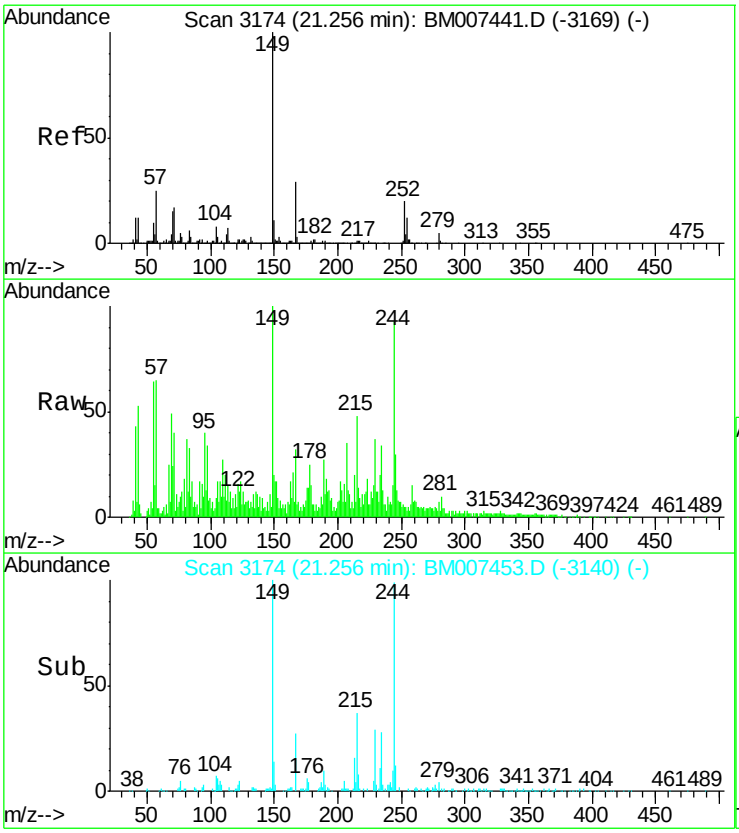
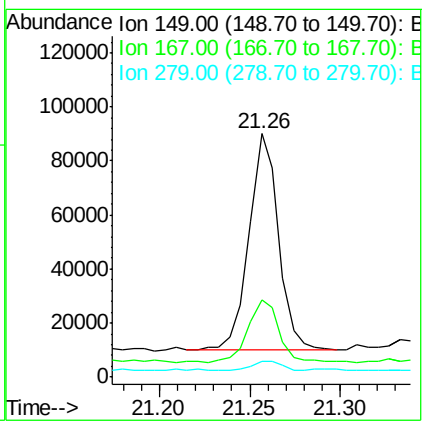


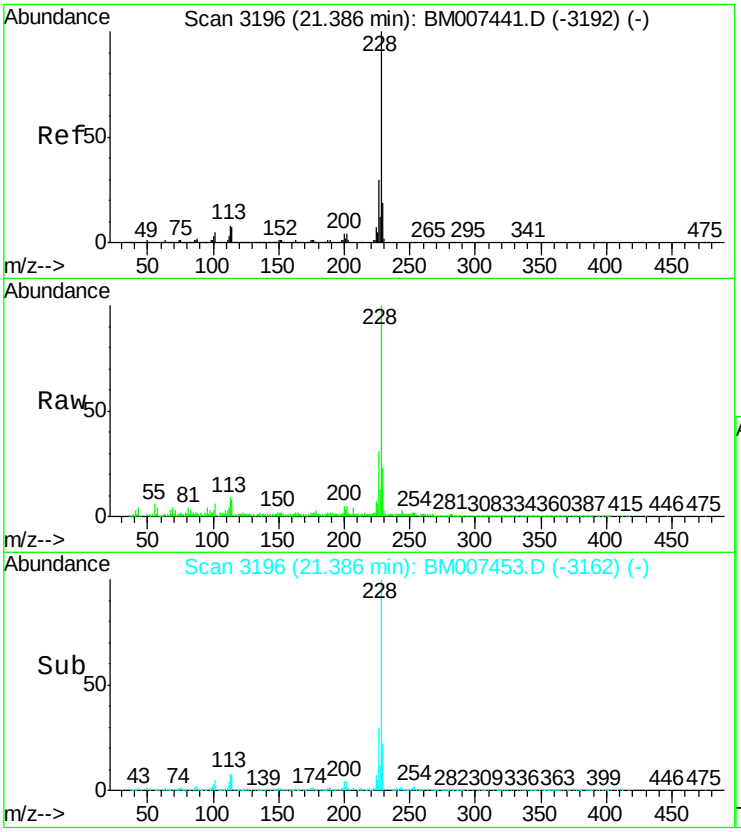


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.18 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:149 Resp: 90582

Ion	Ratio	Lower	Upper
149	100		
167	31.8	23.2	34.8
279	6.6	4.1	6.1#





#82
Chrysene
Concen: 14.31 ng/ul m
RT: 21.39 min Scan# 3196
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:228 Resp: 1808705

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	23.4	15.5	23.3#

Instrument :
BNA_M
ClientSampleId :
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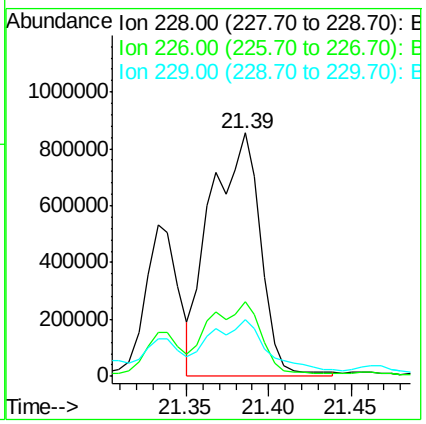
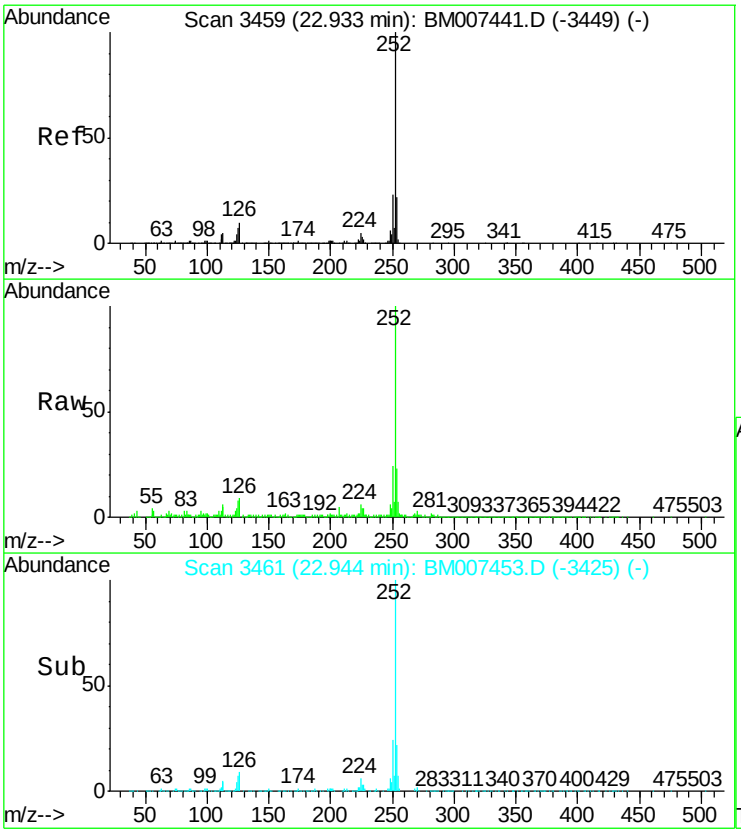
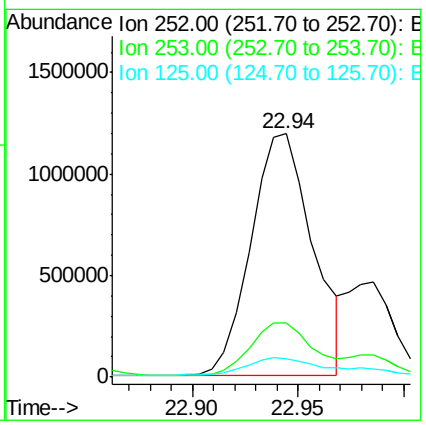


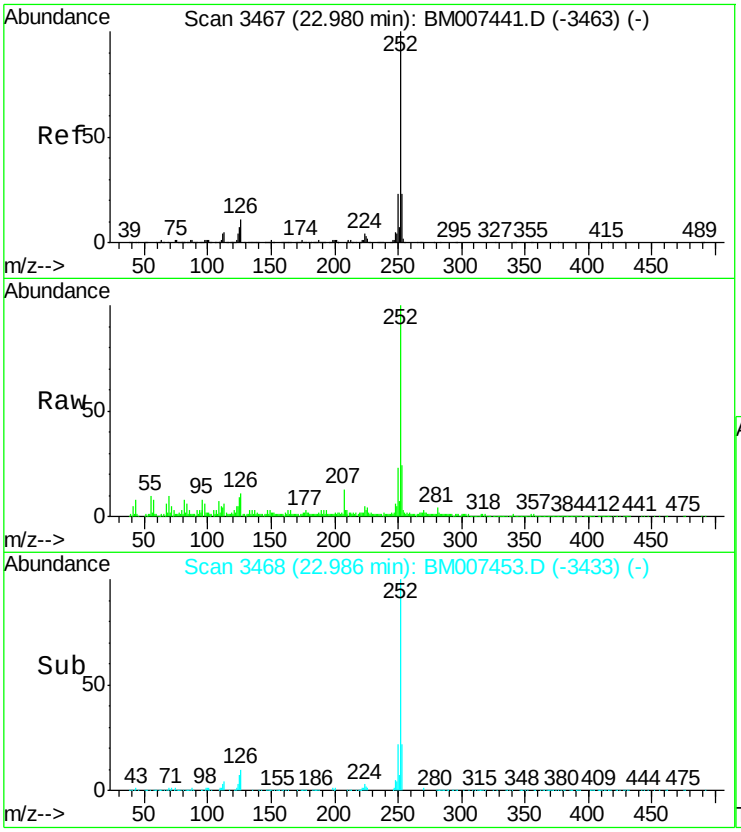


#85
Benzo(b)fluoranthene
Concen: 20.59 ng/ul
RT: 22.94 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:252 Resp: 2433160

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	7.6	5.8	8.8

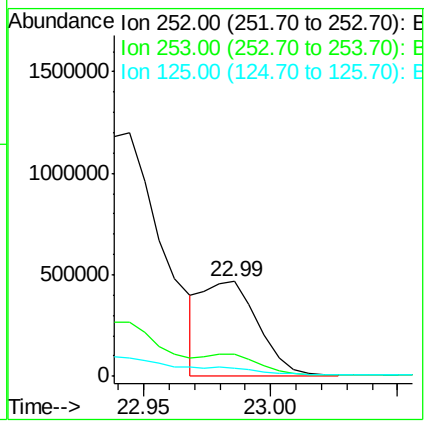




#86
Benzo(k)fluoranthene
Concen: 6.66 ng/ul m
RT: 22.99 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:252 Resp: 727496

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	9.2	5.7	8.5#



Instrument :
BNA_M
ClientSampleId :
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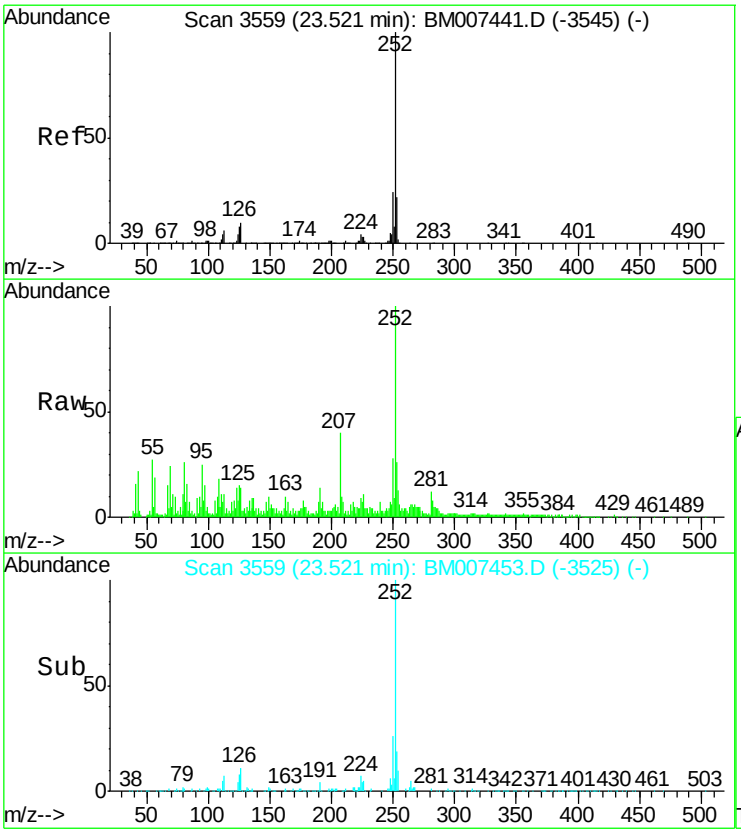
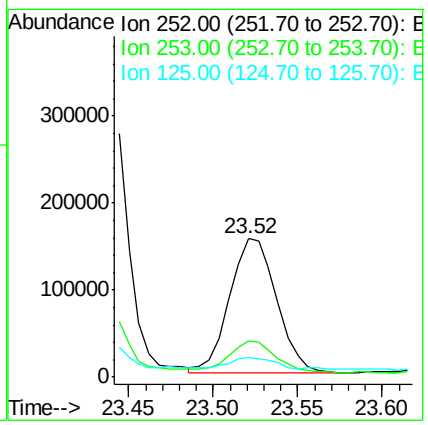
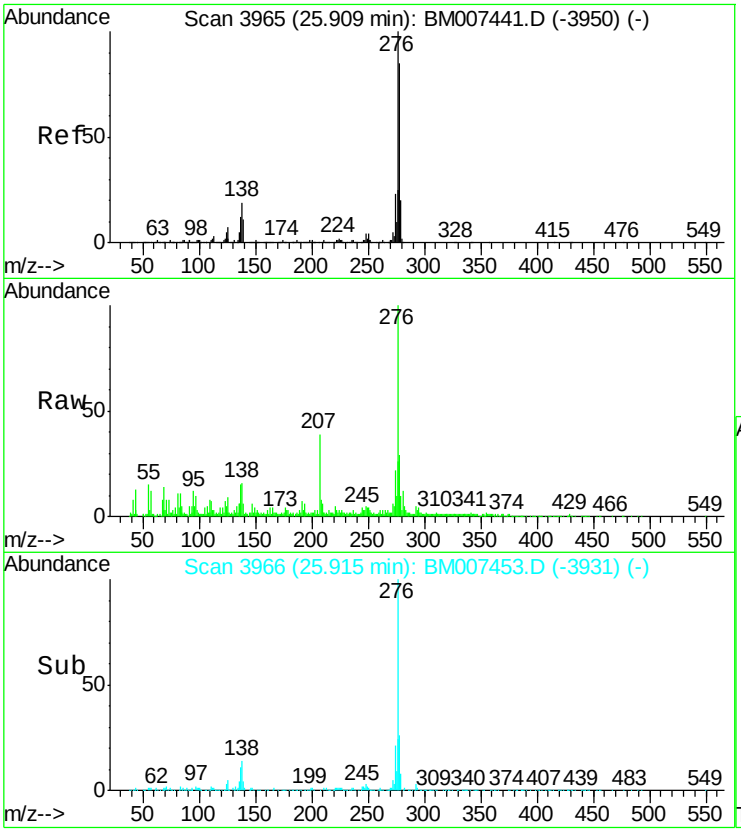


#88
Benzo(a)pyrene
Concen: 2.64 ng/ul
RT: 23.52 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:252 Resp: 298684

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.7	26.5
125	14.5	6.6	9.8#

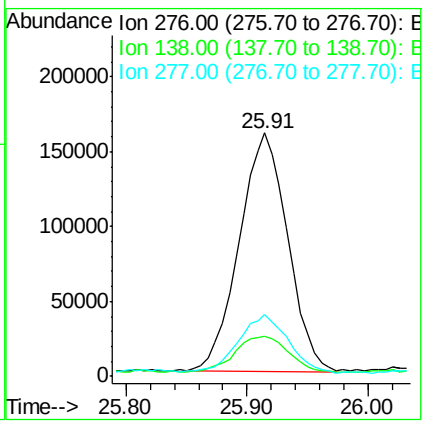




#89
Indeno(1,2,3-cd)pyrene
Concen: 3.18 ng/ul
RT: 25.91 min Scan# 3966
Delta R.T. 0.01 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:276 Resp: 440941

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.9	20.9
277	25.6	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
BD3A9

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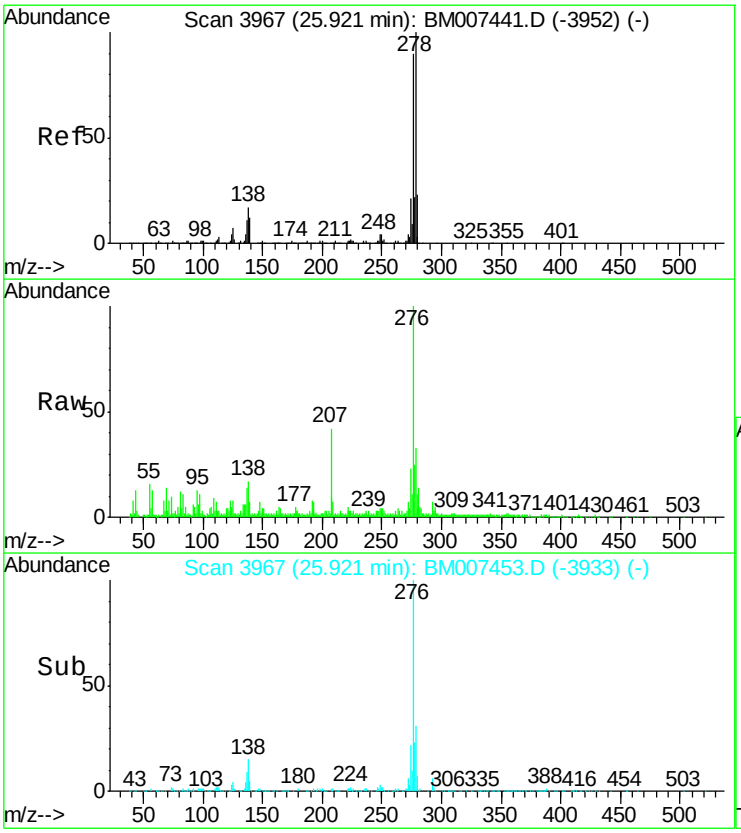
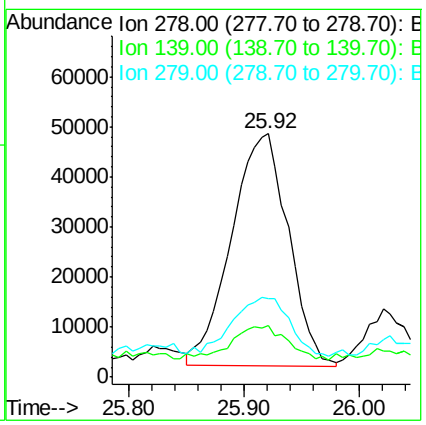
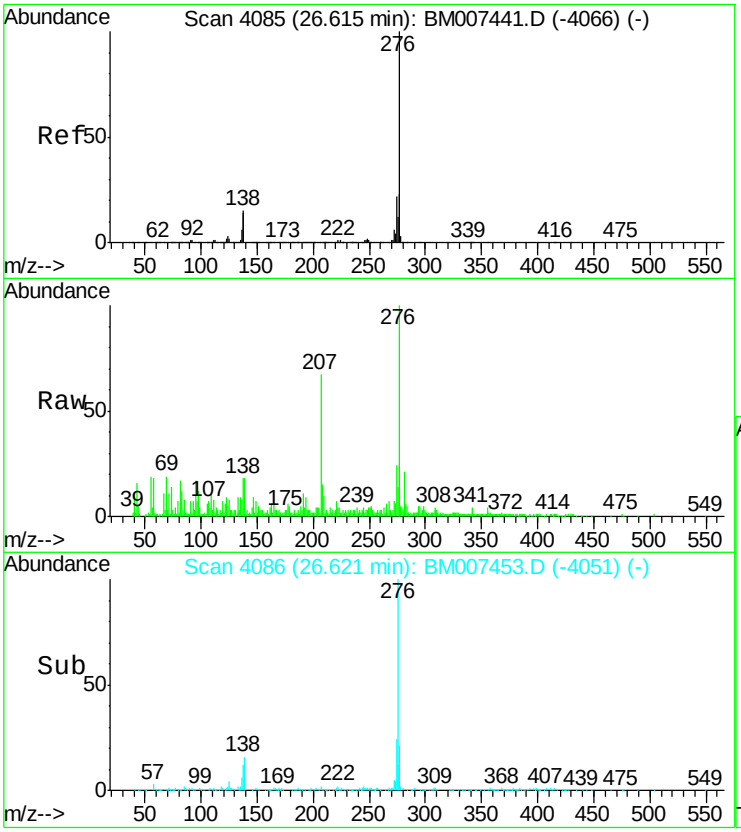


#90
Dibenzo(a,h)anthracene
Concen: 1.38 ng/ul
RT: 25.92 min Scan# 3967
Delta R.T. 0.00 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:278 Resp: 158977

Ion	Ratio	Lower	Upper
278	100		
139	21.1	9.5	14.3#
279	32.2	19.1	28.7#

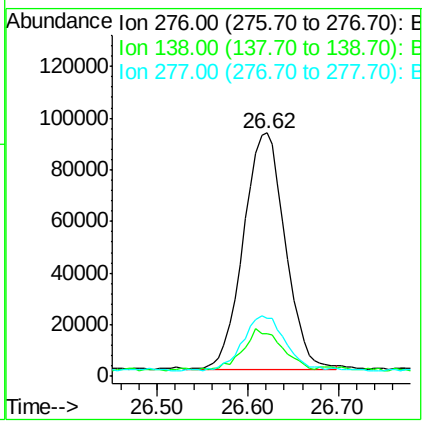




#91
Benzo(g,h,i)perylene
Concen: 2.50 ng/ul
RT: 26.62 min Scan# 4086
Delta R.T. 0.01 min
Lab File: BM007453.D
Acq: 07 Sep 2016 23:42

Tgt Ion:276 Resp: 295008

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.5	20.3
277	23.6	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
BD3A9

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