Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3B3

Manual Integrations APPROVED
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Quant Time: Sep 08 06:07:18 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	247743	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1257847	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	841453	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2043609	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2272790	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	1939581	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	10969	2.26	ng/uL	0.00
5) Phenol-d5	6.96	99	360212	15.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	228469	18.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	300601	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	276539	13.55	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	177781	19.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	184114	17.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	351662	16.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	199034	7.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1278366	17.61	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1686211	20.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	33985	2.48	ng/ul	0.00
57) Fluorene-d10	15.42	176	1241213	19.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	75022	5.84	ng/ul	0.00
70) Anthracene-d10	17.27	188	2005823	21.01	ng/ul	0.00
76) Pyrene-d10	19.56	212	2391993	25.17	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	1852817	20.74	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.95	77	18637	1.40	ng/ul#	73
6) Phenol	6.99	94	29095	1.20	ng/ul	95
14) Acetophenone	8.61	105	31889	1.02	ng/ul	91
28) Naphthalene	10.63	128	406798	6.50	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	323949	6.33	ng/ul	99
40) 1,1'-Biphenyl	13.26	154	111829	1.71	ng/ul	97
44) Dimethylphthalate	13.88	163	672559	9.30	ng/ul	100
47) Acenaphthylene	14.15	152	106596	1.23	ng/ul#	95
53) Dibenzofuran	14.82	168	499113	5.92	ng/ul	94
69) Phenanthrene	17.21	178	1992526	18.16	ng/ul	100
71) Anthracene	17.30	178	306484	2.71	ng/ul	99
72) Carbazole	17.57	167	174732	1.78	ng/ul#	95
74) Fluoranthene	19.23	202	2998131	21.78	ng/ul	100
77) Pyrene	19.59	202	1940351	15.91	ng/ul	99
80) Benzo(a)anthracene	21.34	228	1277524	9.53	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.26	149	103805	1.41	ng/ul#	95
82) Chrysene	21.39	228	2872526m	23.67	ng/ul	
85) Benzo(b)fluoranthene	22.94	252	3217324	28.05	ng/ul	98
86) Benzo(k)fluoranthene	22.99	252	758079m	7.15	ng/ul	
88) Benzo(a)pyrene	23.53	252	528559	4.82	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.91	276	483008	3.59	ng/ul	100
90) Dibenzo(a,h)anthracene	25.91	278	181420	1.62	ng/ul#	89
91) Benzo(g,h,i)perylene	26.62	276	330455	2.89	ng/ul	99

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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 08 06:07:18 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

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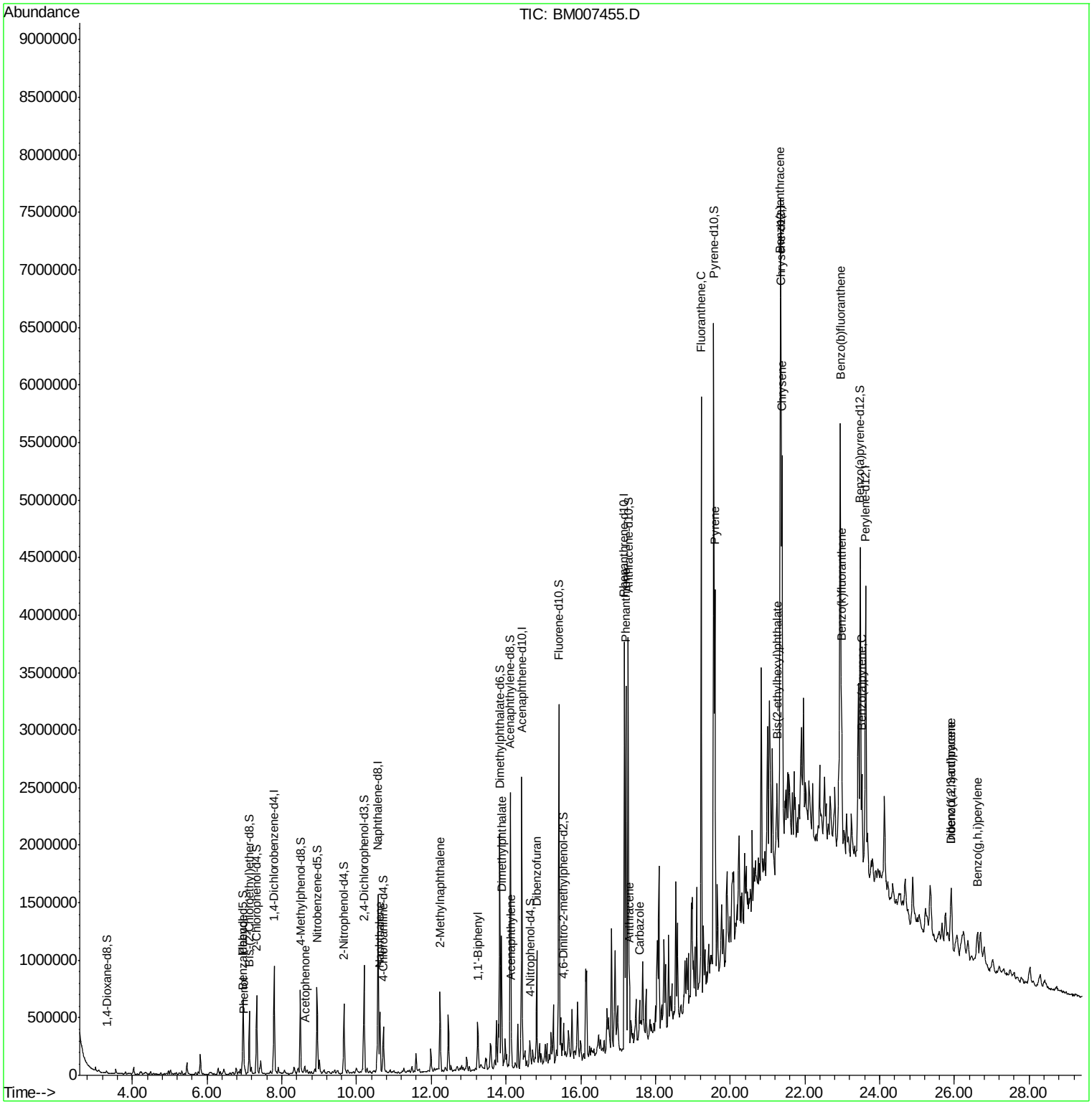
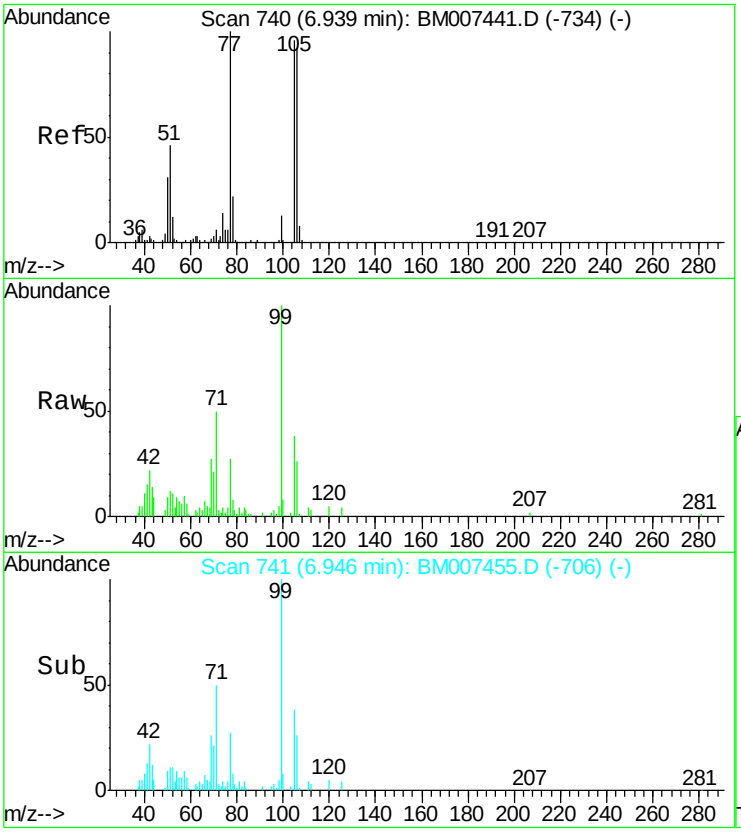
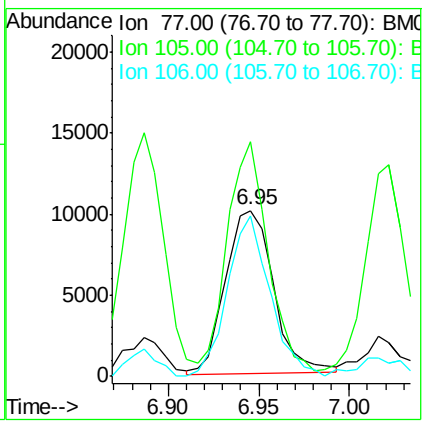




#4
Benzaldehyde
Concen: 1.40 ng/ul
RT: 6.95 min Scan# 741
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion: 77 Resp: 18637

Ion	Ratio	Lower	Upper
77	100		
105	141.5	76.9	115.3#
106	96.6	71.8	107.8



Instrument :
BNA_M
ClientSampleId :
BD3B3

Manual Integrations APPROVED
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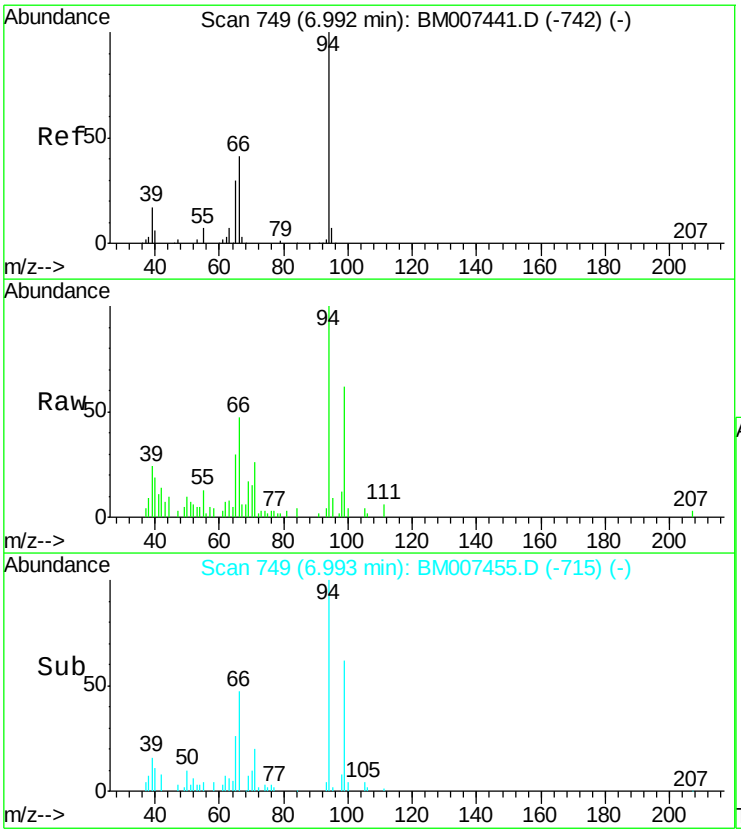
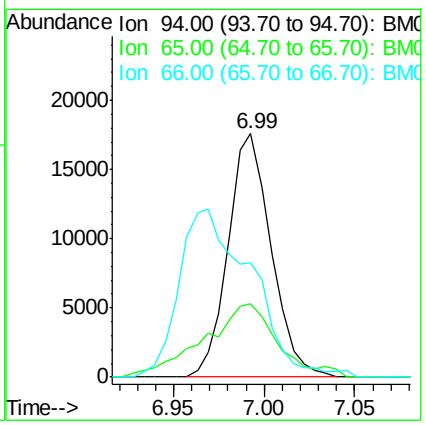
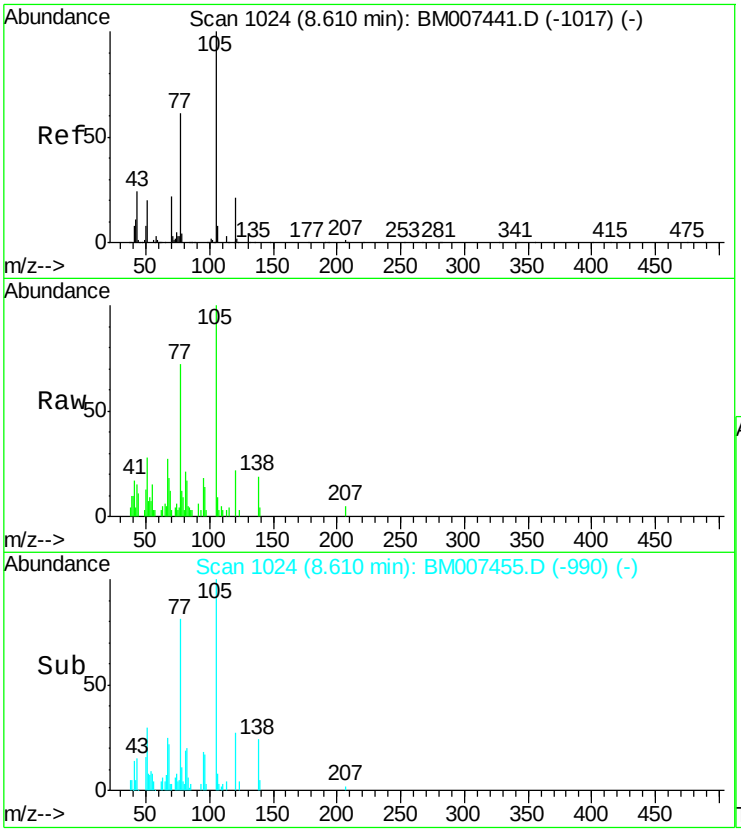


#6
Phenol
Concen: 1.20 ng/ul
RT: 6.99 min Scan# 749
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion: 94 Resp: 29095

Ion	Ratio	Lower	Upper
94	100		
65	29.9	23.9	35.9
66	47.0	33.5	50.3

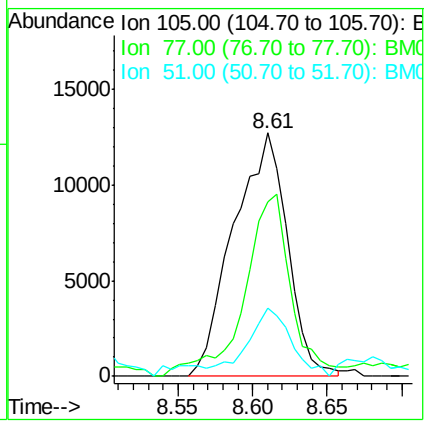




#14
Acetophenone
Concen: 1.02 ng/ul
RT: 8.61 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:105 Resp: 31889

Ion	Ratio	Lower	Upper
105	100		
77	71.8	65.9	98.9
51	27.9	22.2	33.2



Instrument :
BNA_M
ClientSampleId :
BD3B3

Manual Integrations APPROVED
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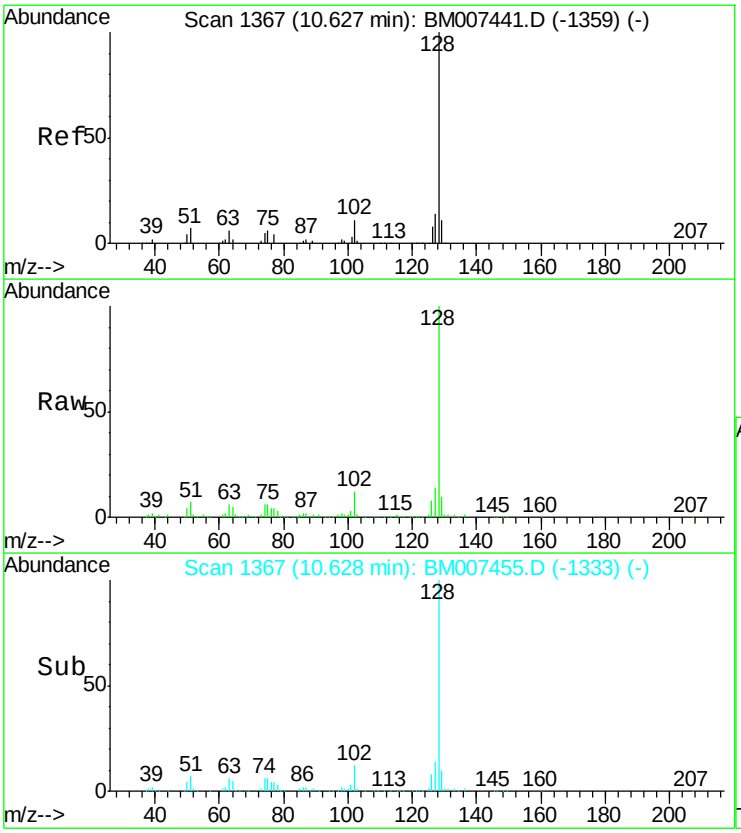
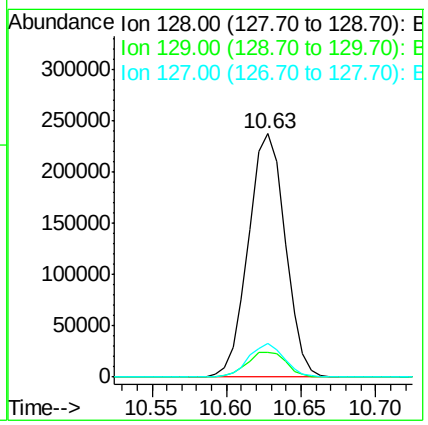
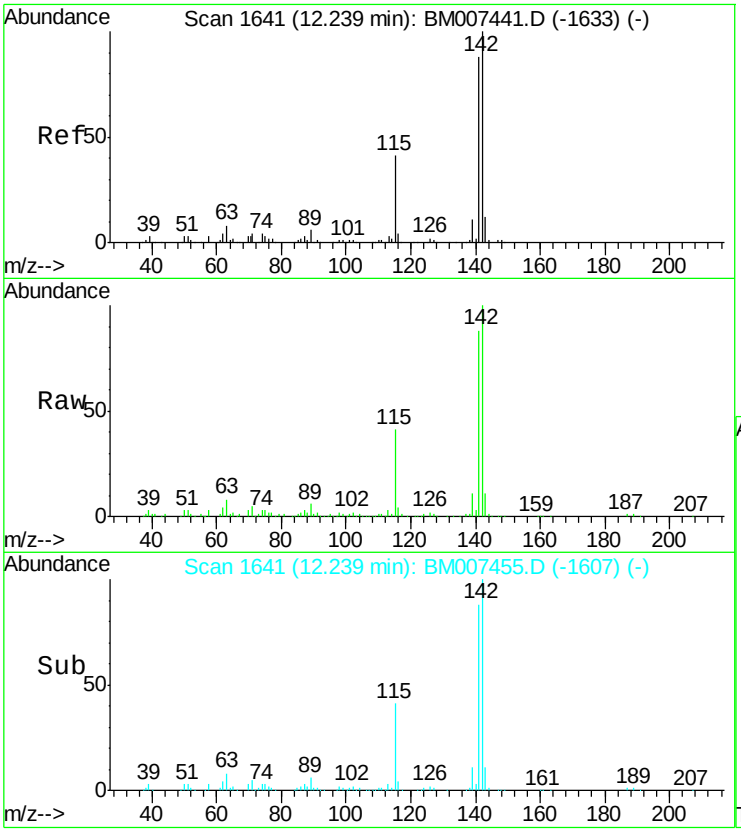


#28
Naphthalene
Concen: 6.50 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:128 Resp: 406798

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	14.0	10.6	15.8





#34
2-Methylnaphthalene
Concen: 6.33 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:142 Resp: 323949

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
BD3B3

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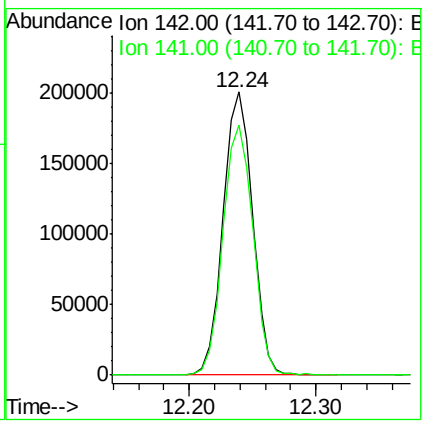
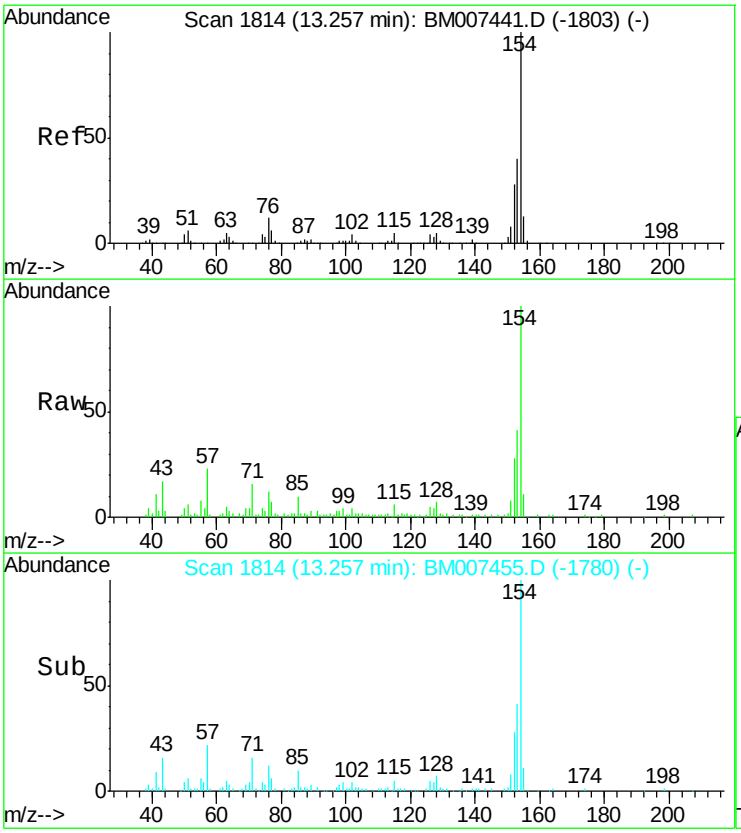
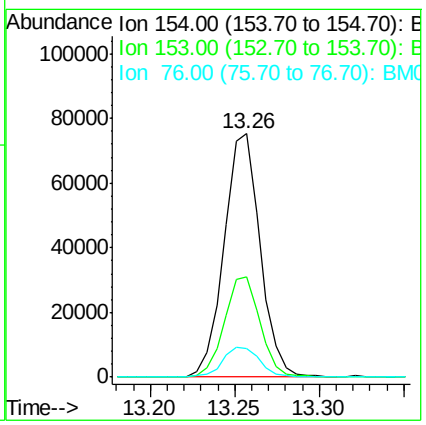


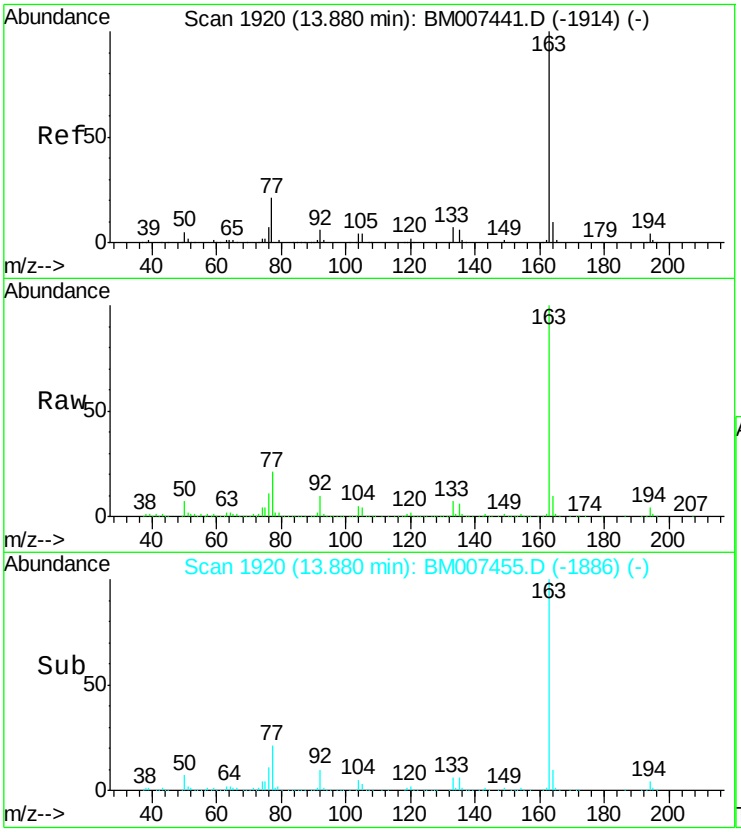


#40
1,1'-Biphenyl
Concen: 1.71 ng/ul
RT: 13.26 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:154 Resp: 111829

Ion	Ratio	Lower	Upper
154	100		
153	41.1	31.3	46.9
76	11.7	10.0	15.0

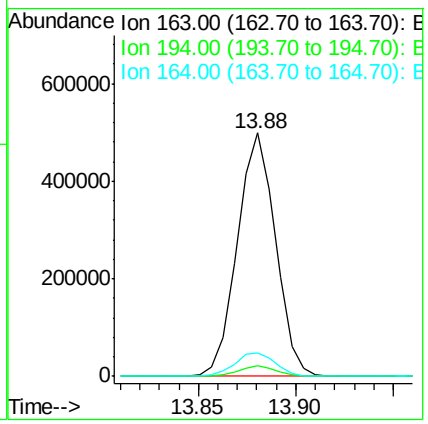




#44
Dimethylphthalate
Concen: 9.30 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:163 Resp: 672559

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.7	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
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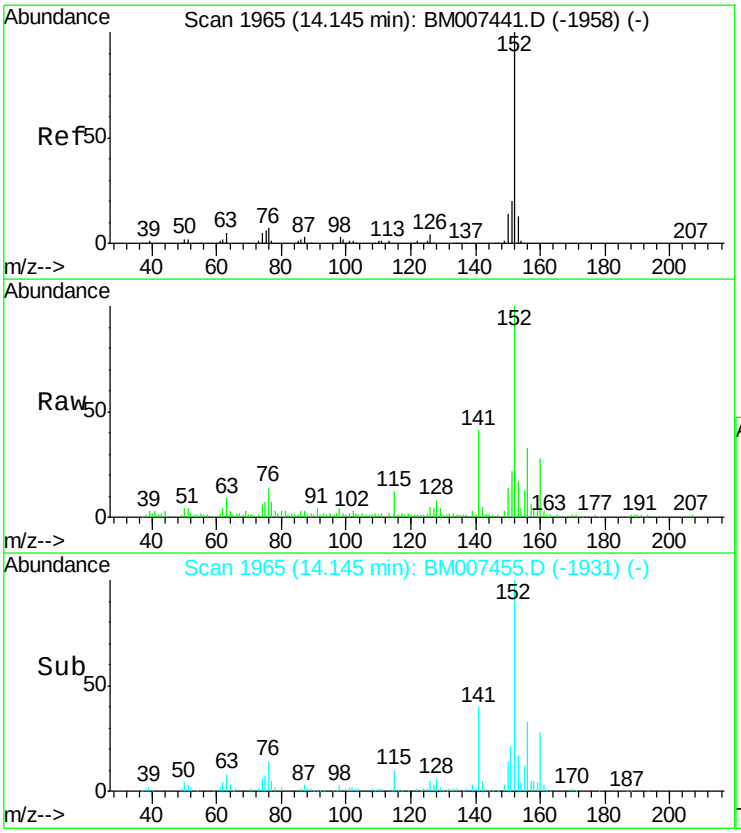
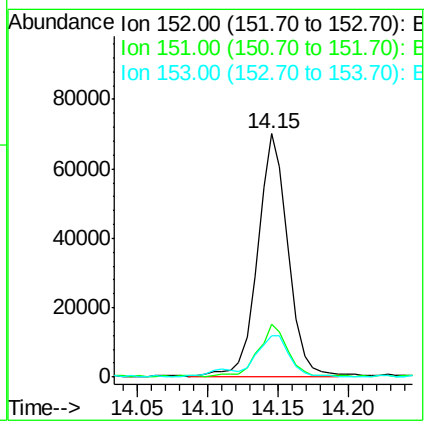
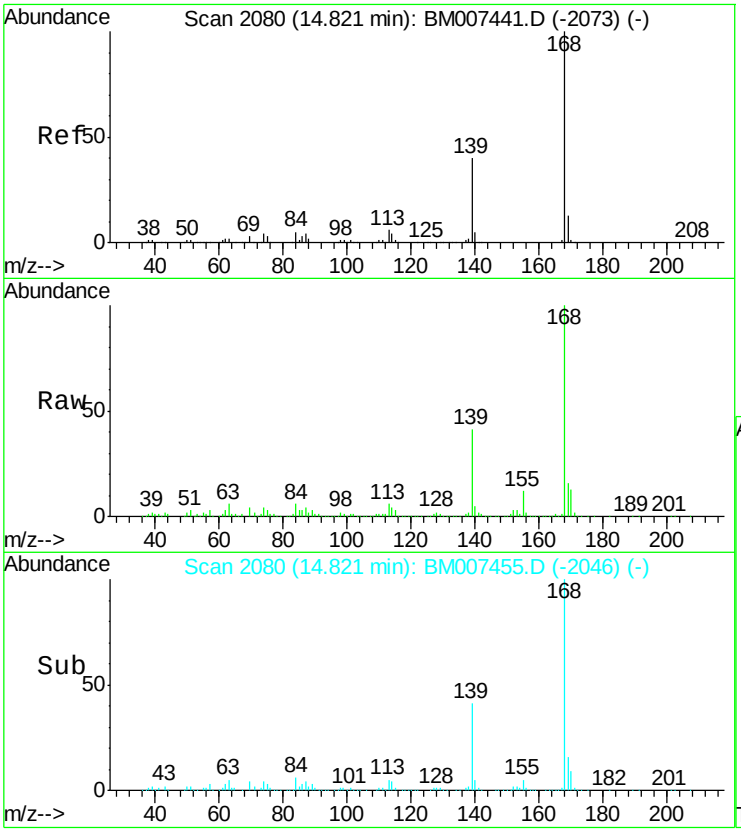


#47
Acenaphthylene
Concen: 1.23 ng/ul
RT: 14.15 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:152 Resp: 106596

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.0	24.0
153	17.2	11.0	16.6#





#53
Dibenzofuran
Concen: 5.92 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:168 Resp: 499113

Ion	Ratio	Lower	Upper
168	100		
139	41.3	30.1	45.1

Instrument :
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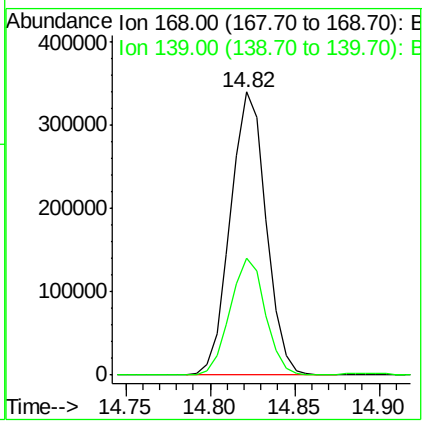
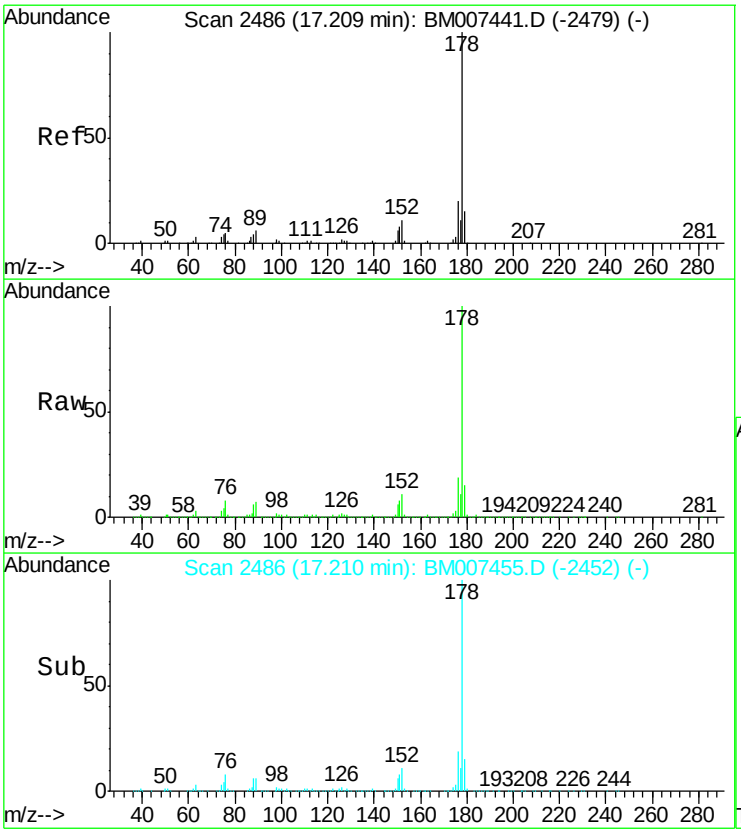
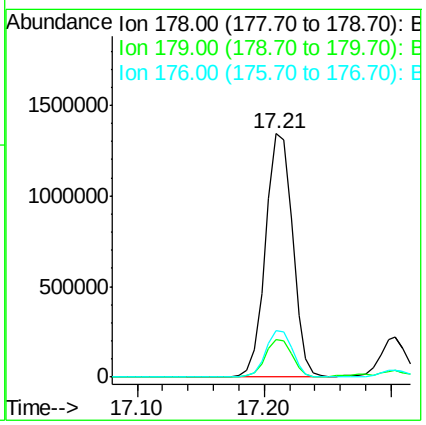


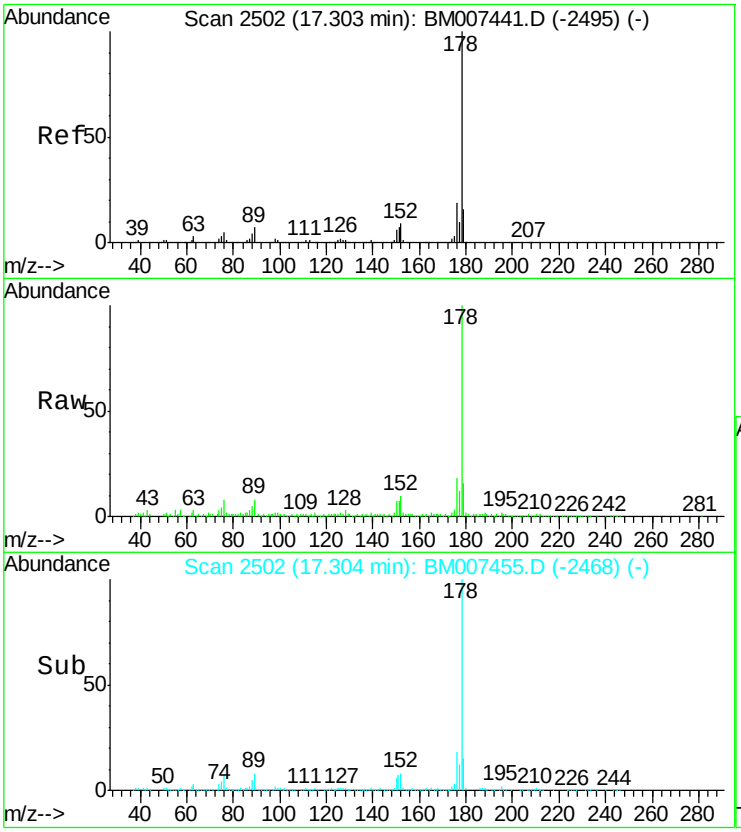


#69
Phenanthrene
Concen: 18.16 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:178 Resp: 1992526

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.1	15.1	22.7

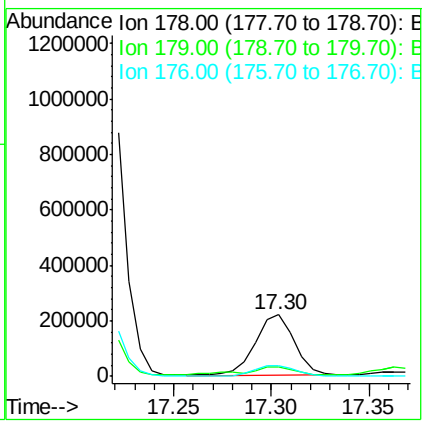




#71
Anthracene
Concen: 2.71 ng/ul
RT: 17.30 min Scan# 2502
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:178 Resp: 306484

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.1	18.1
176	18.1	14.5	21.7



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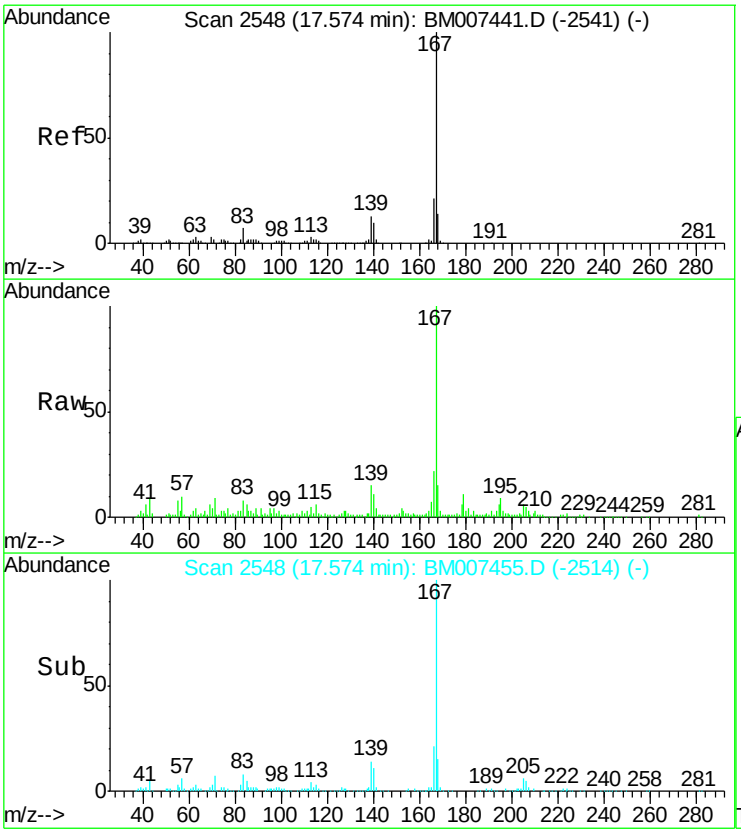
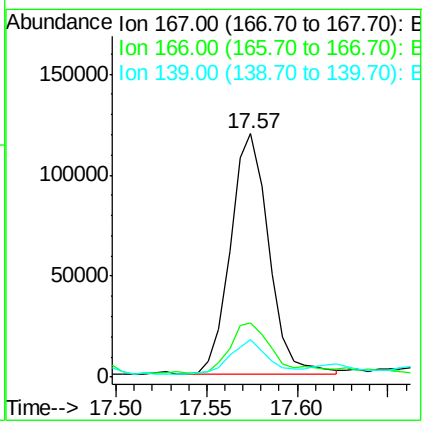
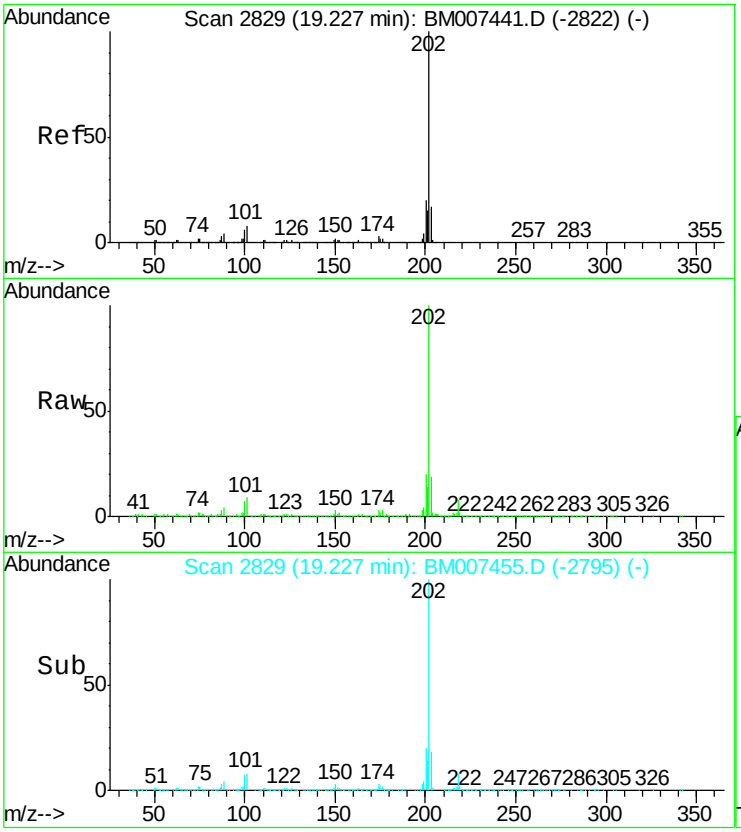


#72
Carbazole
Concen: 1.78 ng/ul
RT: 17.57 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:167 Resp: 174732

Ion	Ratio	Lower	Upper
167	100		
166	22.4	16.6	25.0
139	15.4	10.2	15.4#

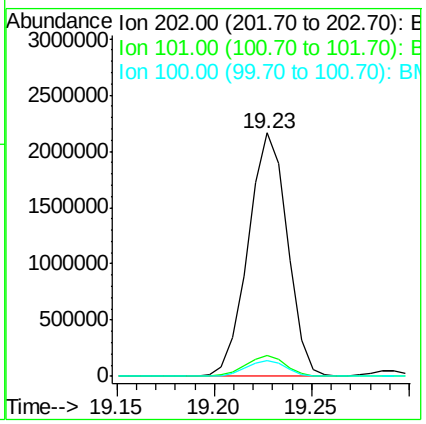




#74
Fluoranthene
Concen: 21.78 ng/ul
RT: 19.23 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:202 Resp: 2998131

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
100	6.7	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
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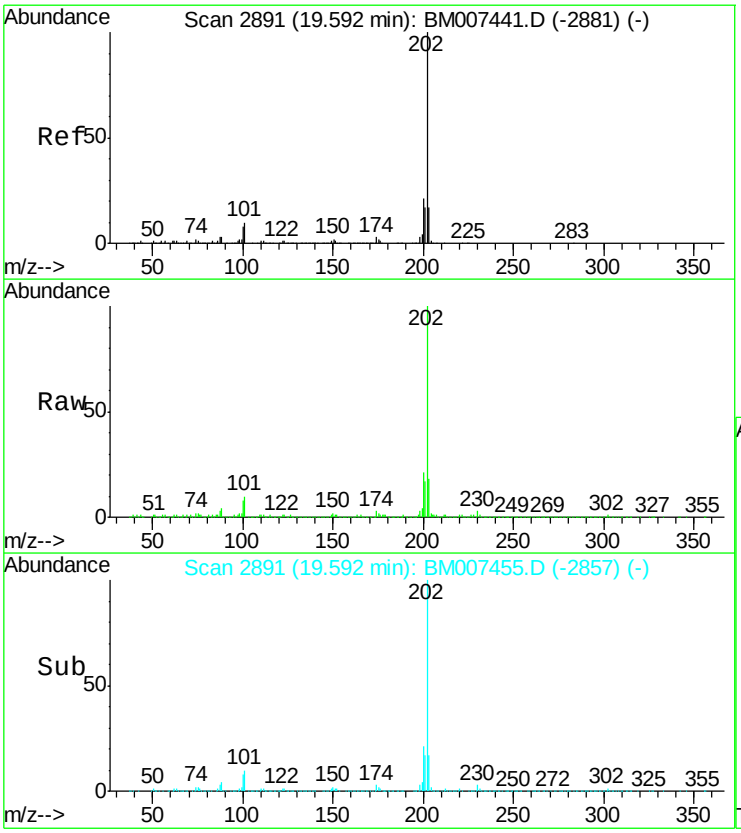
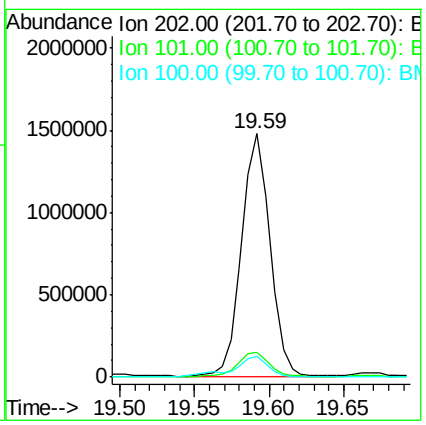
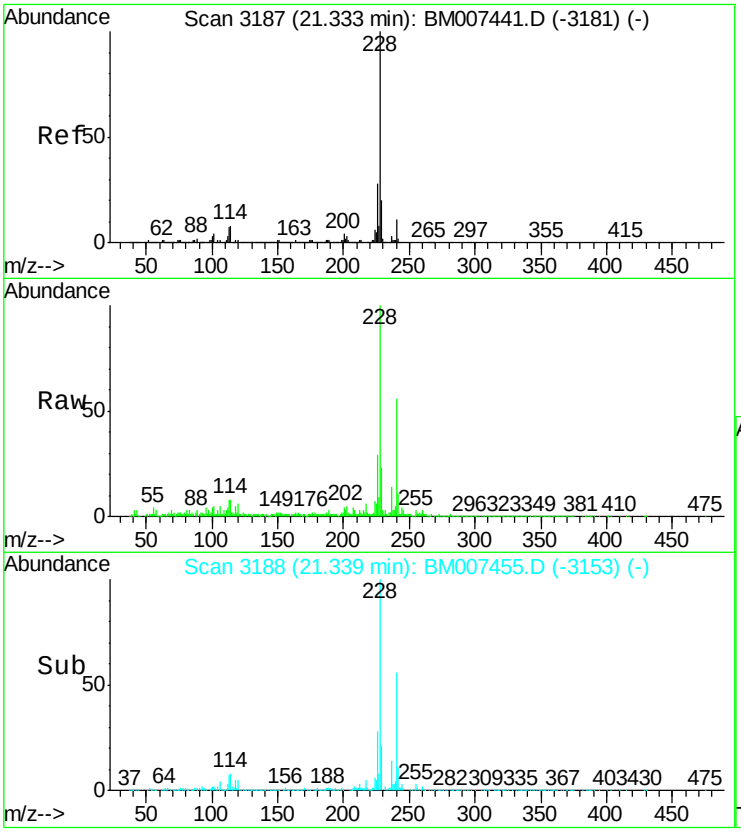


#77
Pyrene
Concen: 15.91 ng/ul
RT: 19.59 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:202 Resp: 1940351

Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.4	12.6
100	8.5	6.9	10.3

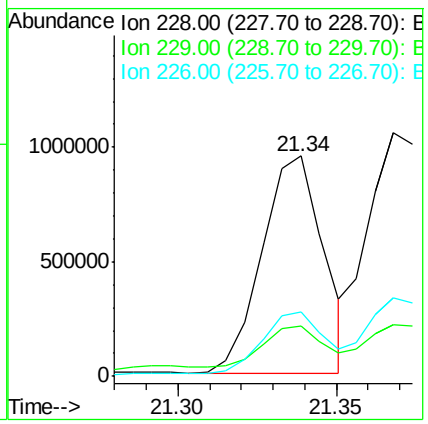




#80
Benzo(a)anthracene
Concen: 9.53 ng/ul
RT: 21.34 min Scan# 3188
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:228 Resp: 1277524

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.6	23.4
226	29.3	21.8	32.8



Instrument :
BNA_M
ClientSampleId :
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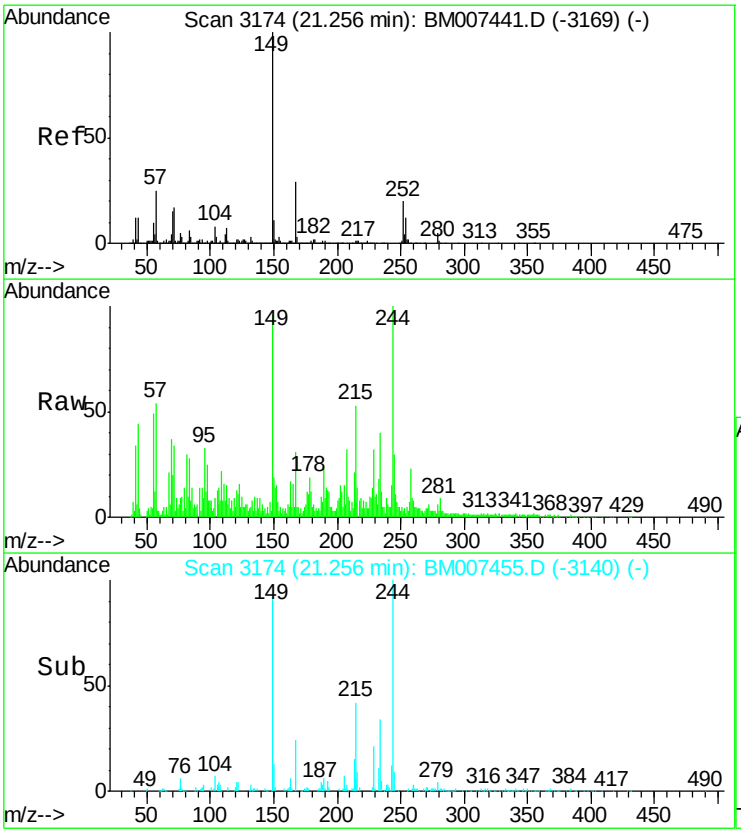
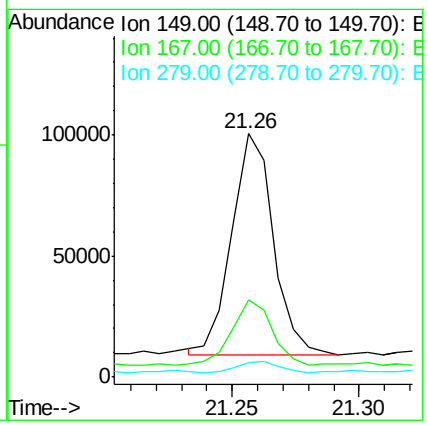
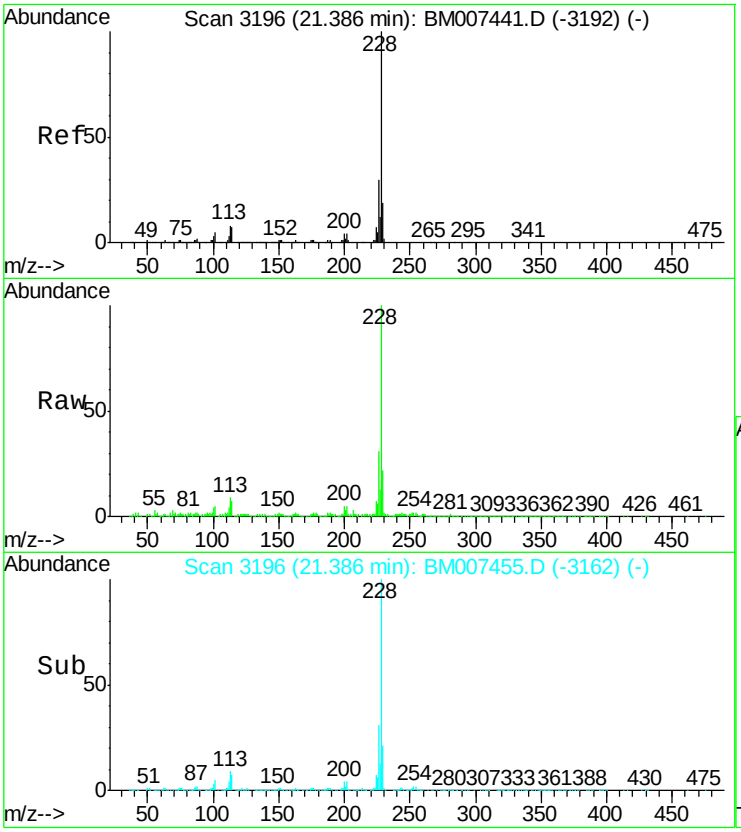


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.41 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:149 Resp: 103805

Ion	Ratio	Lower	Upper
149	100		
167	31.8	23.2	34.8
279	6.2	4.1	6.1#

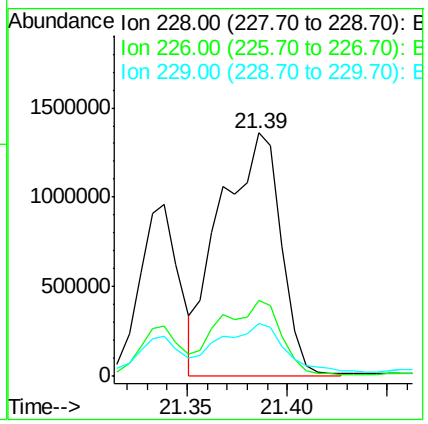




#82
Chrysene
Concen: 23.67 ng/ul m
RT: 21.39 min Scan# 3196
Delta R.T. 0.00 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:228 Resp: 2872526

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	21.6	15.5	23.3



Instrument :
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ClientSampleId :
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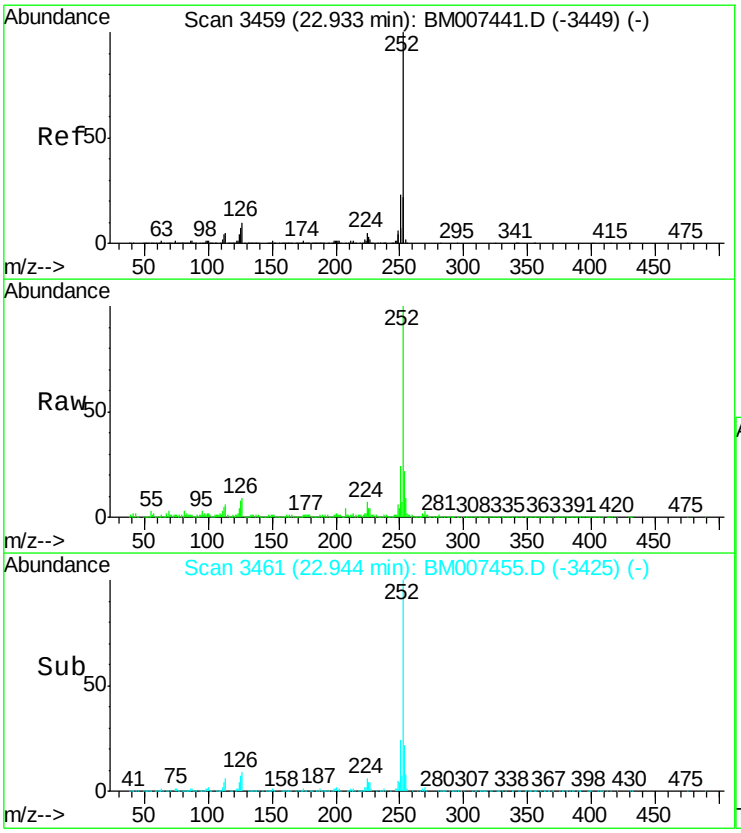
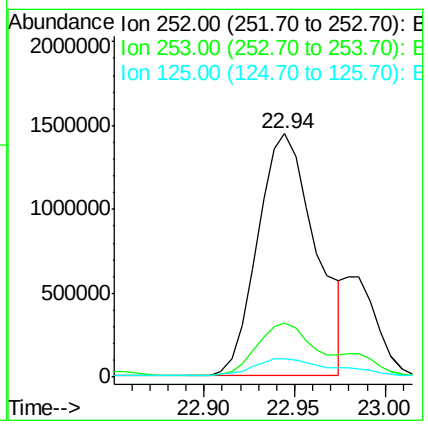
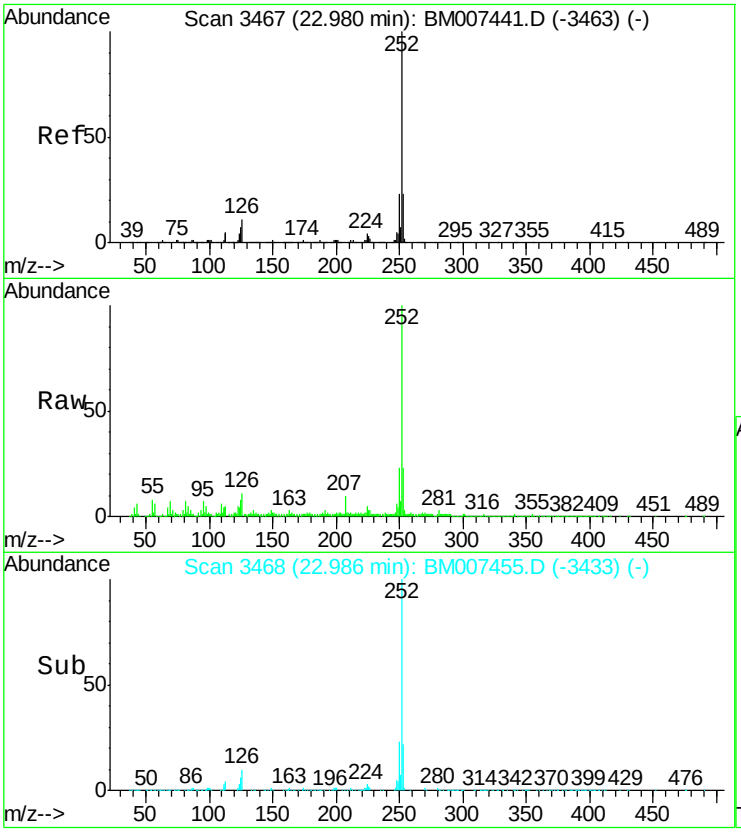


#85
Benzo(b)fluoranthene
Concen: 28.05 ng/ul
RT: 22.94 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:252 Resp: 3217324

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	7.7	5.8	8.8

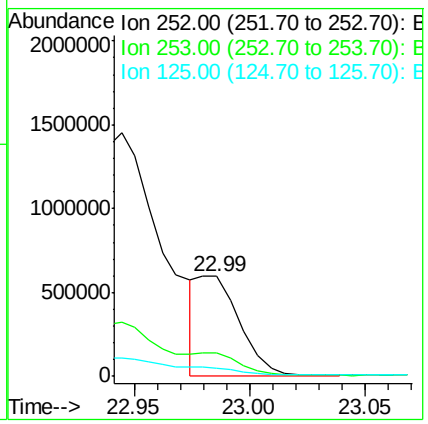




#86
Benzo(k)fluoranthene
Concen: 7.15 ng/ul m
RT: 22.99 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:252 Resp: 758079

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	8.2	5.7	8.5



Instrument :
BNA_M
ClientSampleId :
BD3B3

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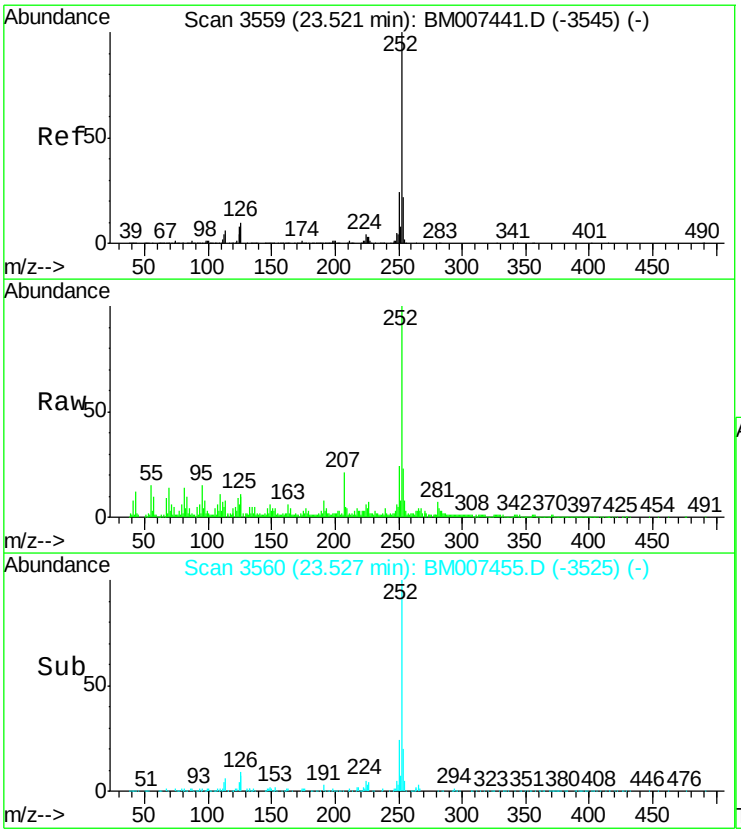
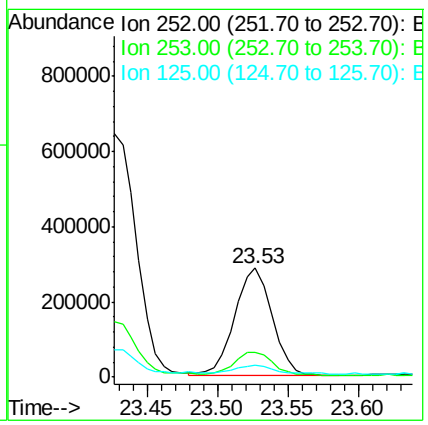
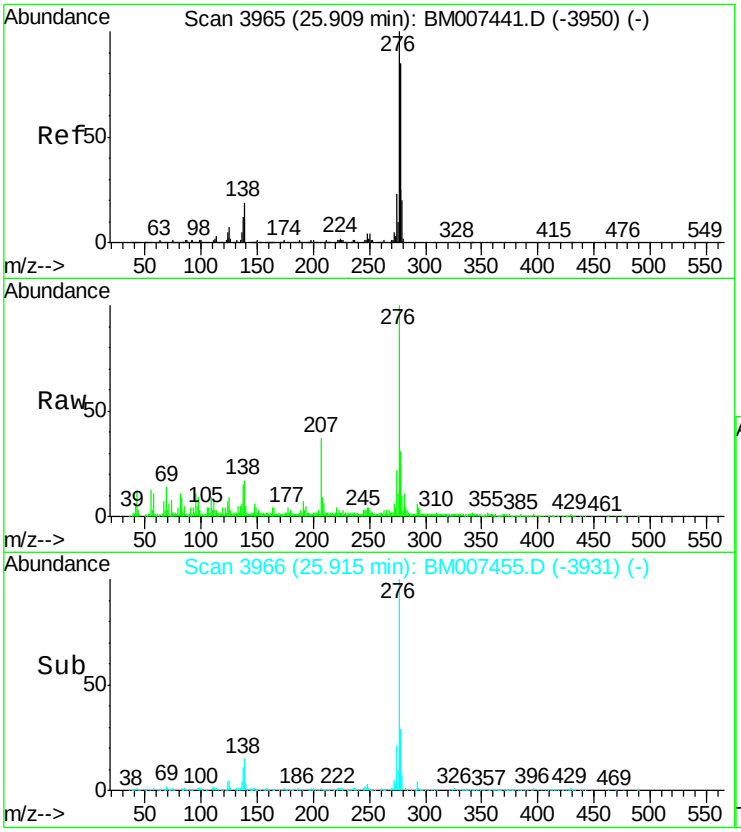


#88
Benzo(a)pyrene
Concen: 4.82 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:252 Resp: 528559

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.7	6.6	9.8#

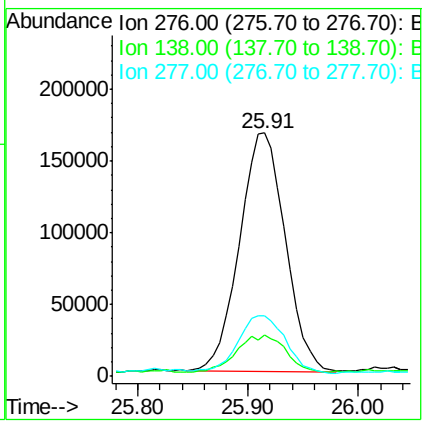




#89
Indeno(1,2,3-cd)pyrene
Concen: 3.59 ng/ul
RT: 25.91 min Scan# 3966
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:276 Resp: 483008

Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.9	20.9
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
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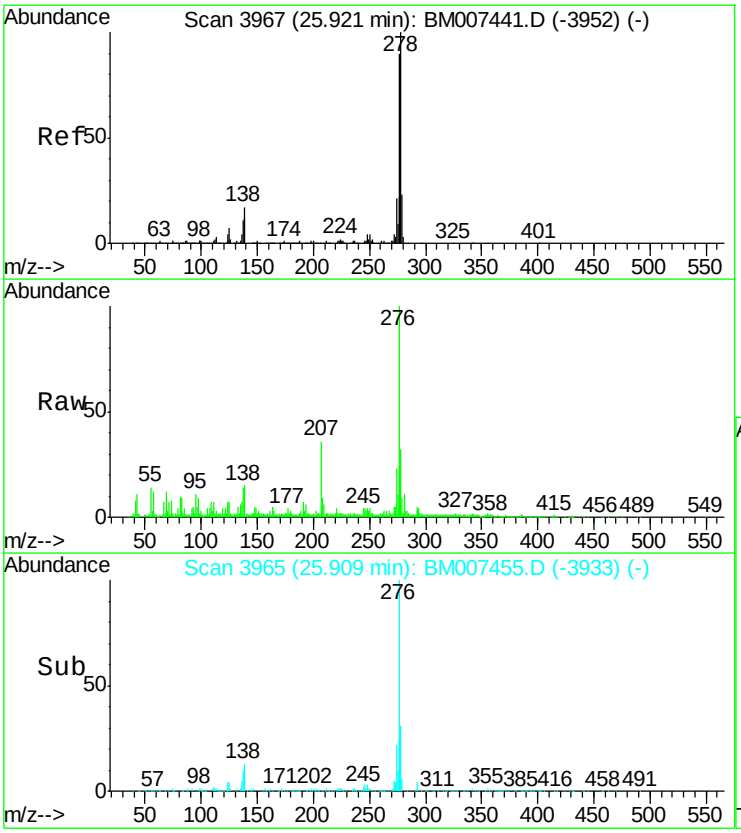
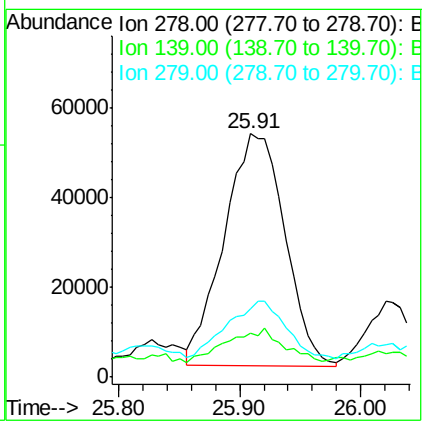
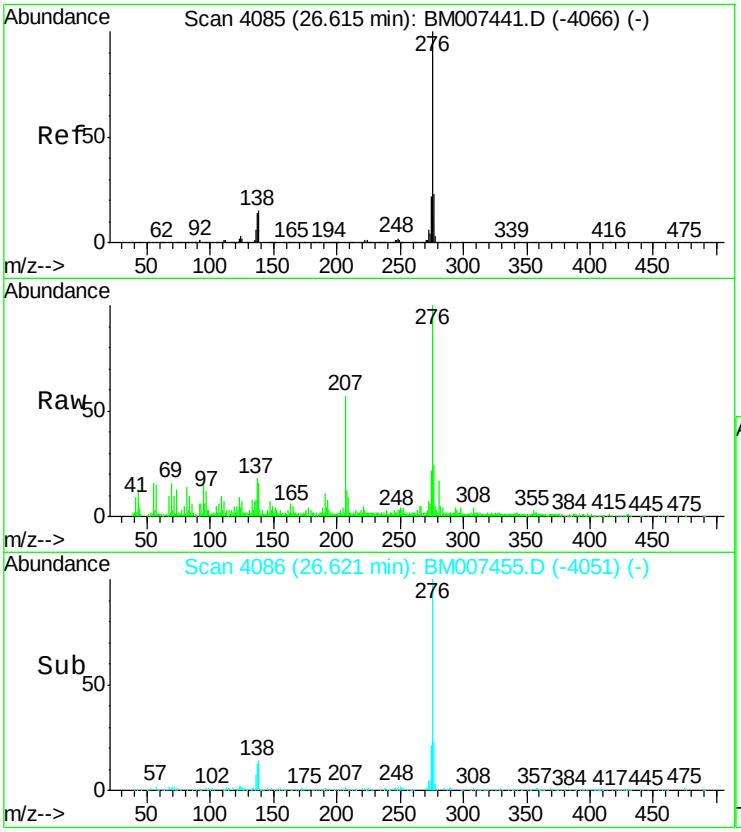


#90
Dibenzo(a,h)anthracene
Concen: 1.62 ng/ul
RT: 25.91 min Scan# 3965
Delta R.T. -0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:278 Resp: 181420

Ion	Ratio	Lower	Upper
278	100		
139	17.9	9.5	14.3#
279	27.9	19.1	28.7

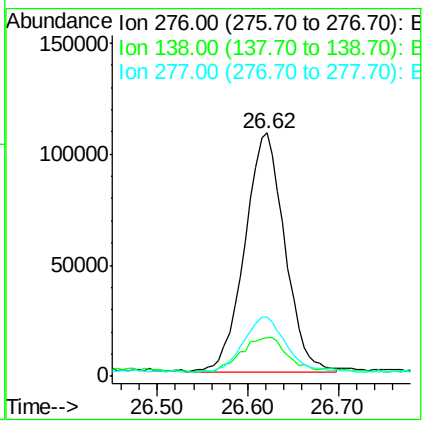




#91
Benzo(g,h,i)perylene
Concen: 2.89 ng/ul
RT: 26.62 min Scan# 4086
Delta R.T. 0.01 min
Lab File: BM007455.D
Acq: 08 Sep 2016 00:54

Tgt Ion:276 Resp: 330455

Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.5	20.3
277	24.4	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
BD3B3

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