Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Manual Integrations APPROVED
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Quant Time: Sep 08 04:49:57 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	265505	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1318101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	901796	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2229581	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2761415	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2551931	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	9686	1.86	ng/uL	0.00
5) Phenol-d5	6.96	99	324477	12.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	176462	13.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	241734	13.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	298793	13.66	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	139576	14.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	166430	14.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	328351	14.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	186540	6.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1208677	15.54	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1452312	16.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	168215	11.45	ng/ul	0.00
57) Fluorene-d10	15.42	176	1088351	16.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	193789	13.82	ng/ul	0.00
70) Anthracene-d10	17.26	188	1769784	16.99	ng/ul	0.00
76) Pyrene-d10	19.56	212	2140015	18.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	1940388	16.51	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.94	77	95653	6.69	ng/ul	97
6) Phenol	6.99	94	28479	1.09	ng/ul	91
28) Naphthalene	10.63	128	223251	3.41	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	223318	4.16	ng/ul	100
44) Dimethylphthalate	13.88	163	757668	9.78	ng/ul	100
53) Dibenzofuran	14.82	168	164474	1.82	ng/ul	96
69) Phenanthrene	17.21	178	786242	6.57	ng/ul	99
74) Fluoranthene	19.22	202	1111275	7.40	ng/ul	99
77) Pyrene	19.59	202	747489	5.05	ng/ul	100
80) Benzo(a)anthracene	21.33	228	525952m	3.23	ng/ul	
82) Chrysene	21.39	228	1339622m	9.09	ng/ul	
85) Benzo(b)fluoranthene	22.93	252	1296086	8.59	ng/ul	97
86) Benzo(k)fluoranthene	22.97	252	275210m	1.97	ng/ul	
88) Benzo(a)pyrene	23.52	252	284957	1.97	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.90	276	243247	1.37	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	199450	1.33	ng/ul	98

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

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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BD3A1

Manual Integrations APPROVED
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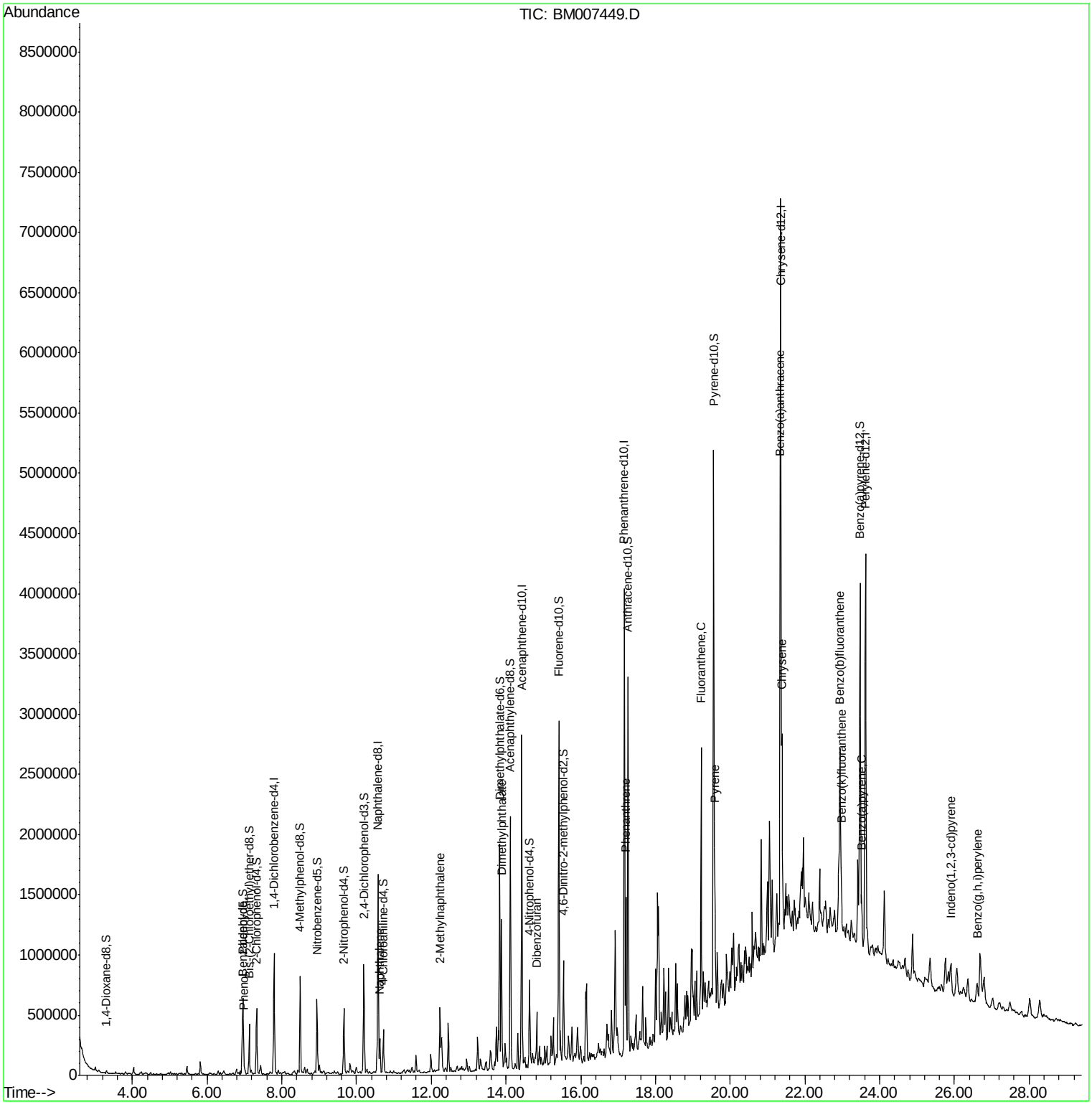
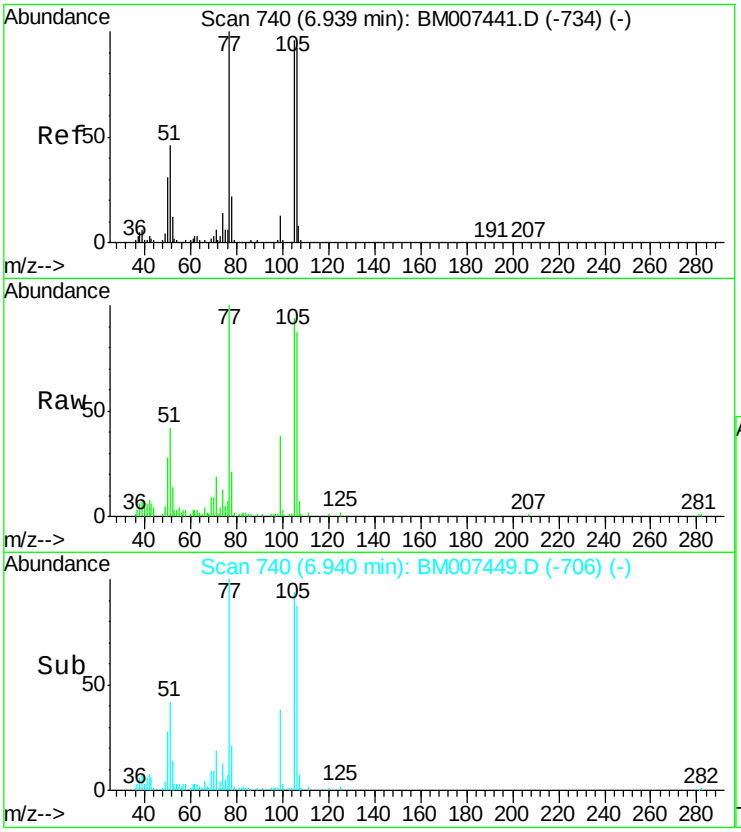
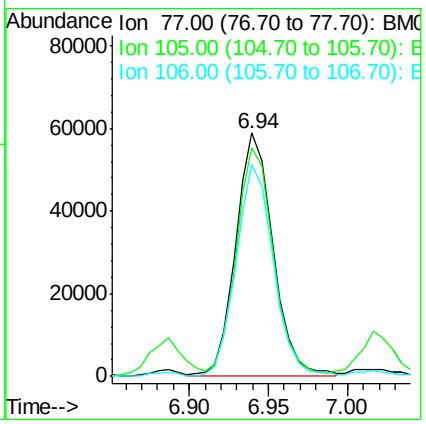




#4
Benzaldehyde
Concen: 6.69 ng/ul
RT: 6.94 min Scan# 740
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion: 77 Resp: 95653

Ion	Ratio	Lower	Upper
77	100		
105	93.8	76.9	115.3
106	87.0	71.8	107.8



Instrument :
BNA_M
ClientSampleId :
BD3A1

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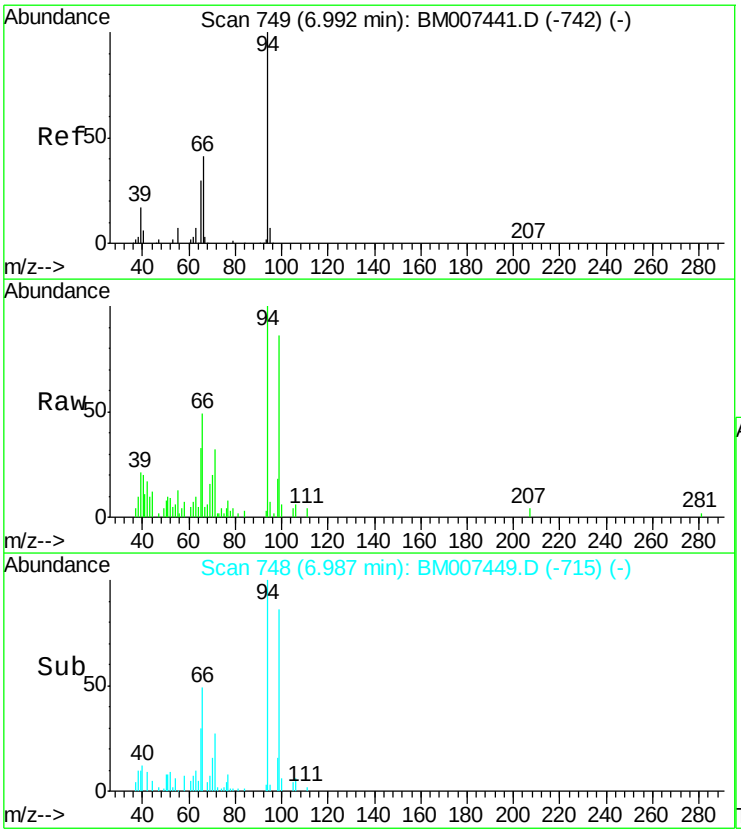
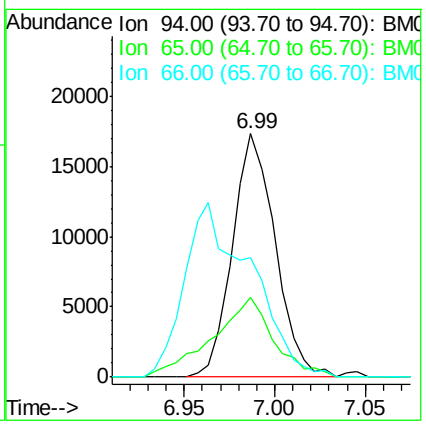
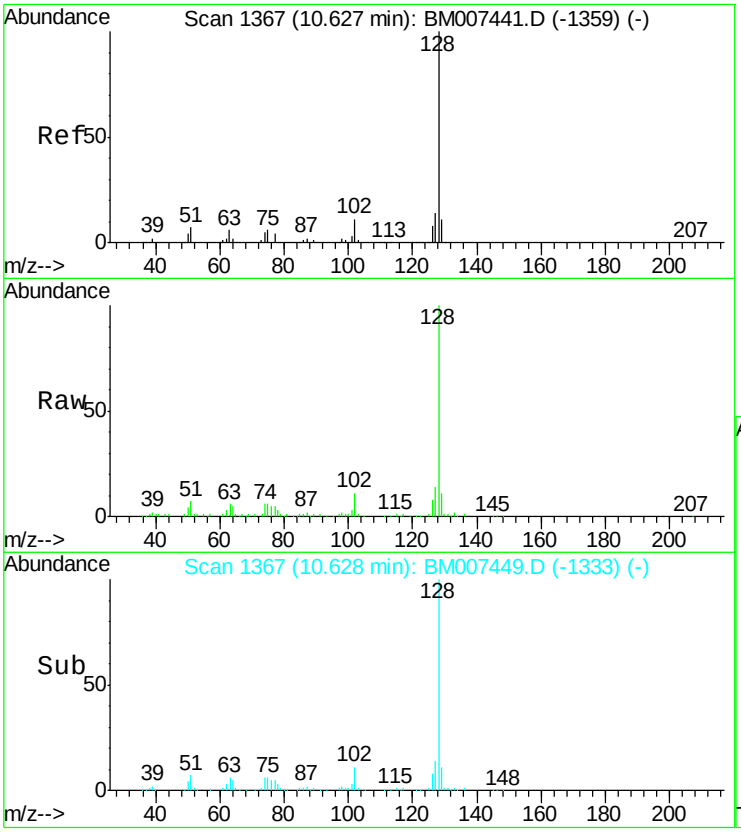


#6
Phenol
Concen: 1.09 ng/ul
RT: 6.99 min Scan# 748
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion: 94 Resp: 28479

Ion	Ratio	Lower	Upper
94	100		
65	32.7	23.9	35.9
66	49.2	33.5	50.3

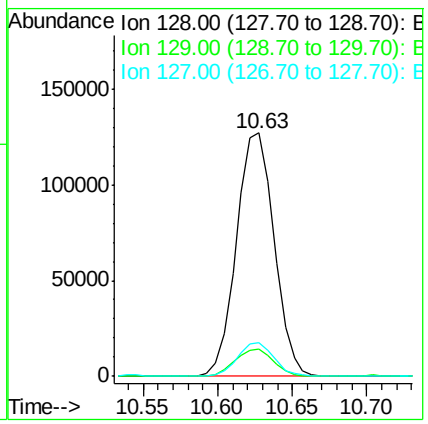




#28
Naphthalene
Concen: 3.41 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:128 Resp: 223251

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	14.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
BD3A1

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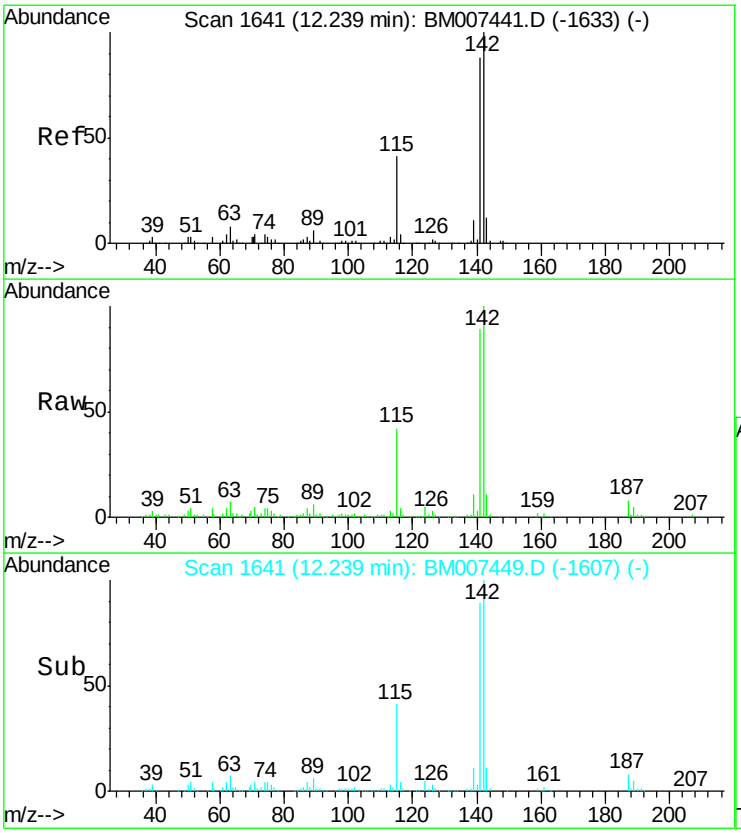
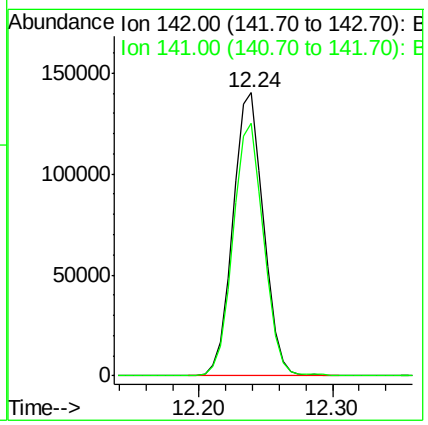
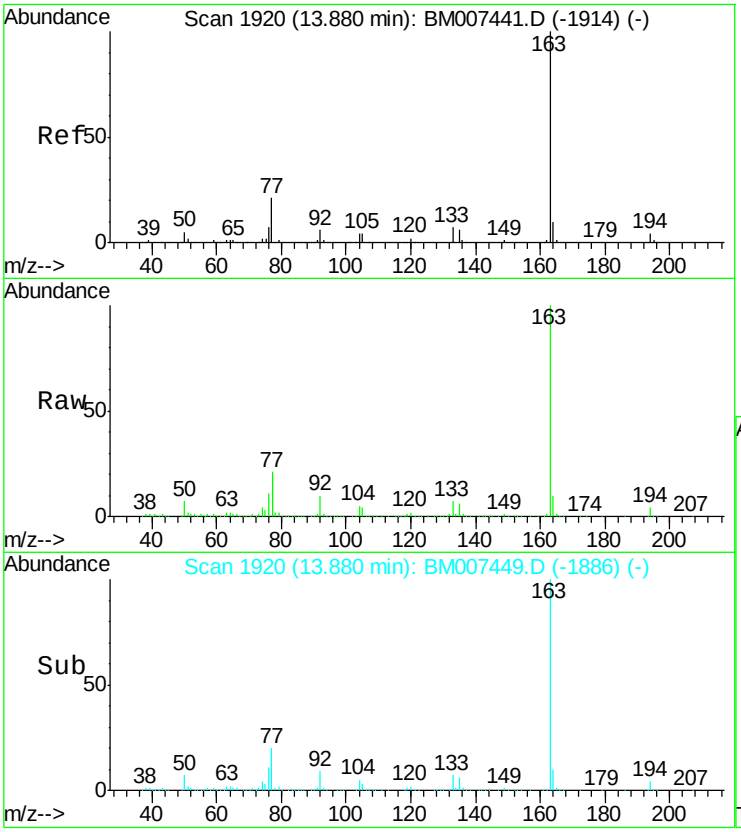


#34
2-Methylnaphthalene
Concen: 4.16 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:142 Resp: 223318

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9

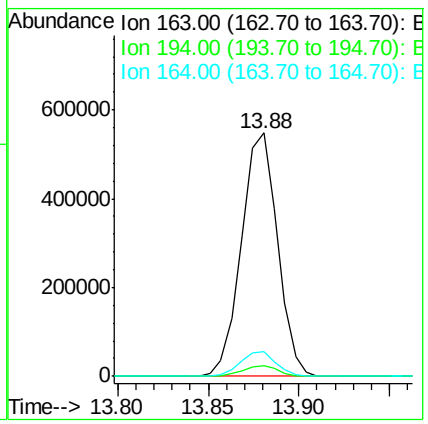




#44
Dimethylphthalate
Concen: 9.78 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:163 Resp: 757668

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
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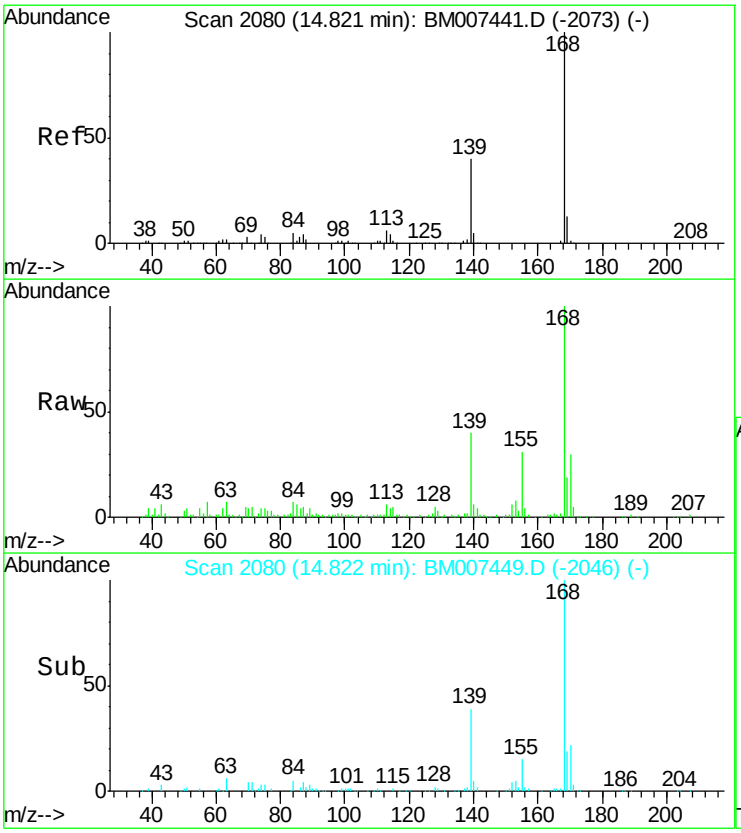
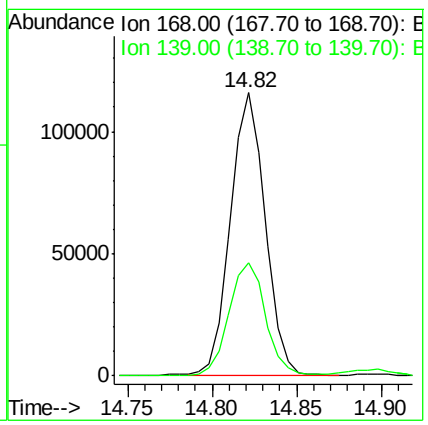
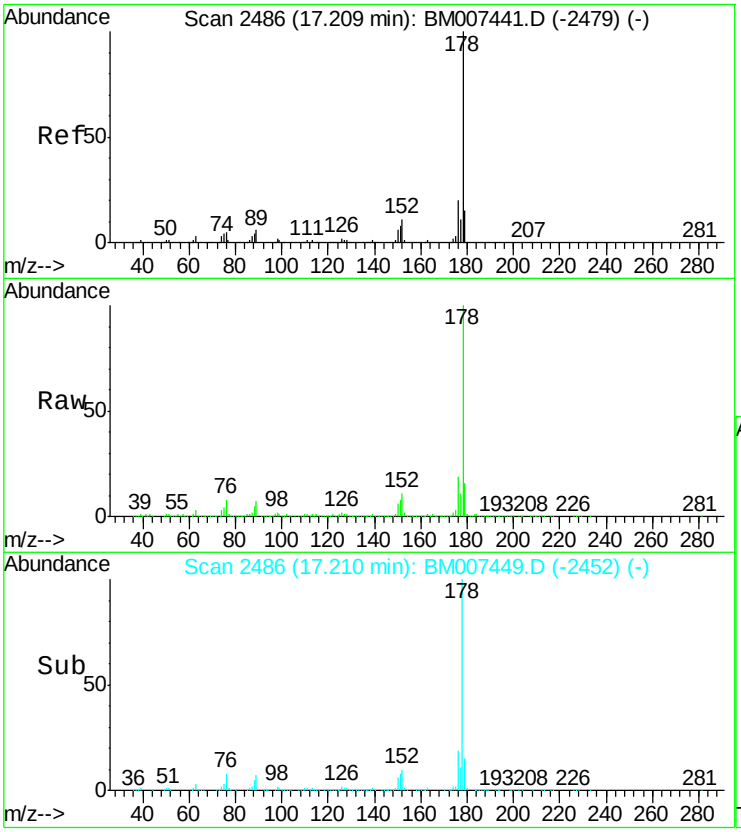


#53
Dibenzofuran
Concen: 1.82 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:168 Resp: 164474

Ion	Ratio	Lower	Upper
168	100		
139	40.1	30.1	45.1

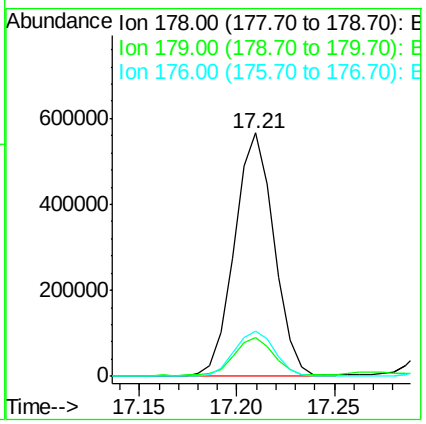




#69
Phenanthrene
Concen: 6.57 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:178 Resp: 786242

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	18.8	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
BD3A1

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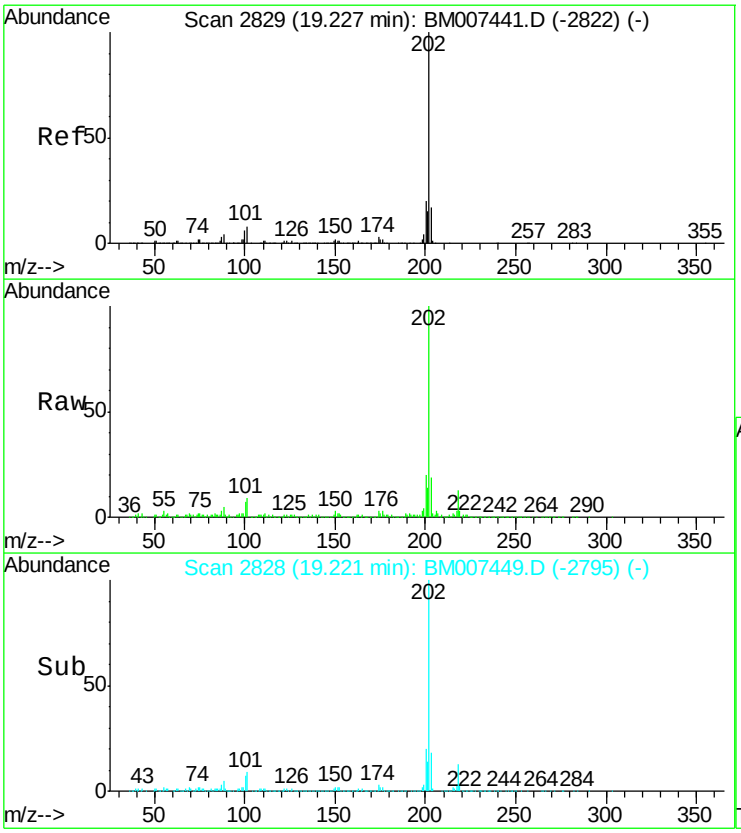
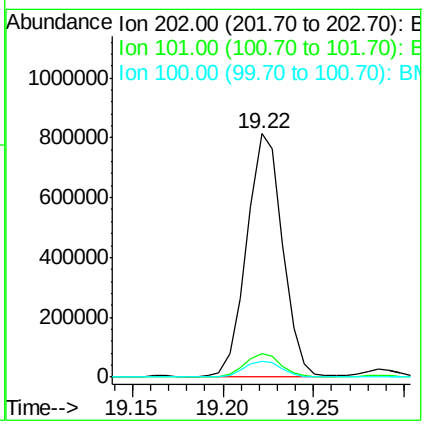
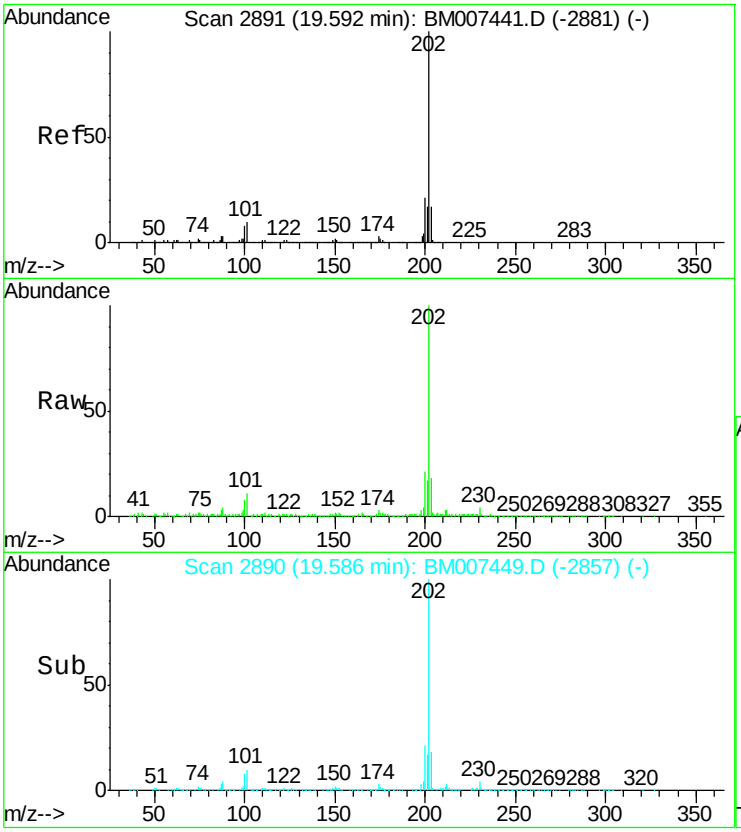


#74
Fluoranthene
Concen: 7.40 ng/ul
RT: 19.22 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:202 Resp: 1111275

Ion	Ratio	Lower	Upper
202	100		
101	9.4	6.9	10.3
100	6.7	5.4	8.0

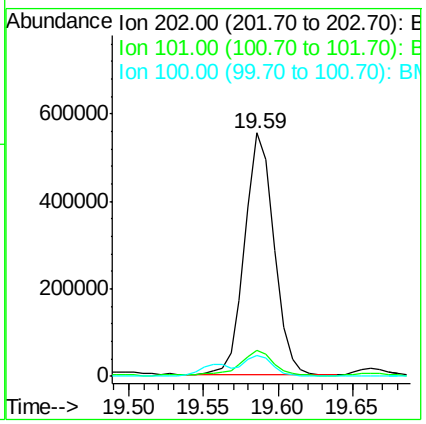




#77
Pyrene
Concen: 5.05 ng/ul
RT: 19.59 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:202 Resp: 747489

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.4	12.6
100	8.4	6.9	10.3



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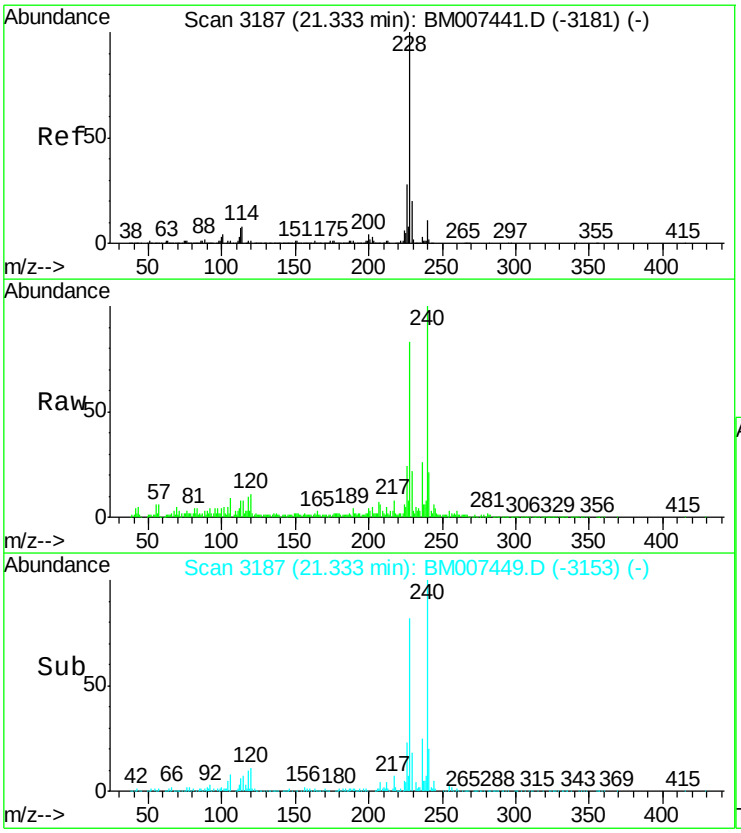
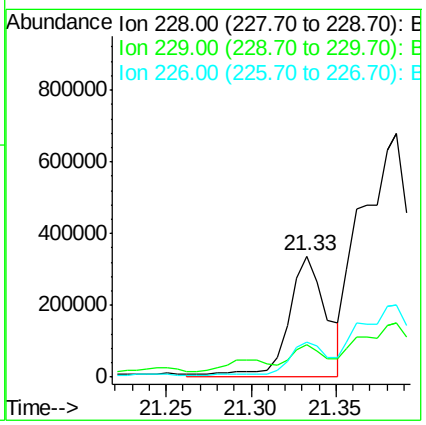
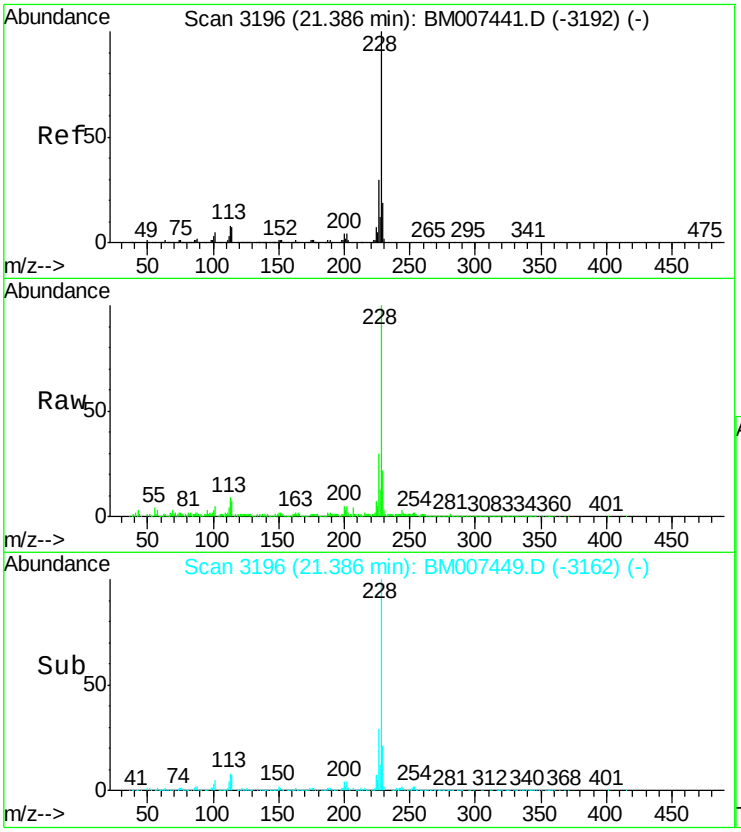


#80
Benzo(a)anthracene
Concen: 3.23 ng/ul m
RT: 21.33 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:228 Resp: 525952

Ion	Ratio	Lower	Upper
228	100		
229	26.5	15.6	23.4#
226	29.4	21.8	32.8

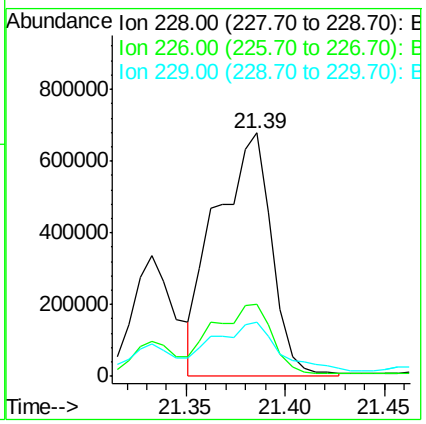




#82
Chrysene
Concen: 9.09 ng/ul m
RT: 21.39 min Scan# 3196
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:228 Resp: 1339622

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	22.3	15.5	23.3



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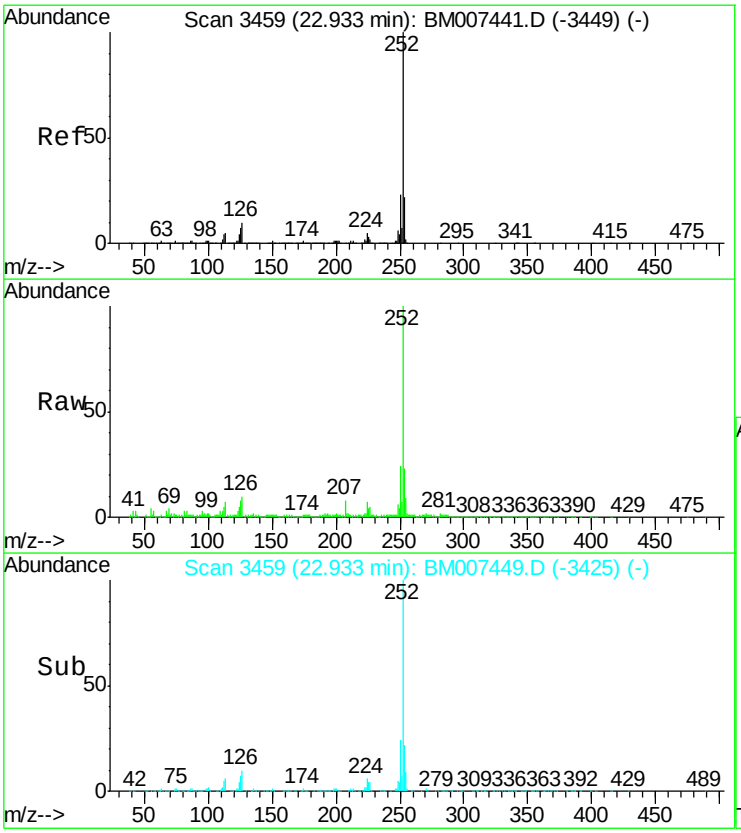
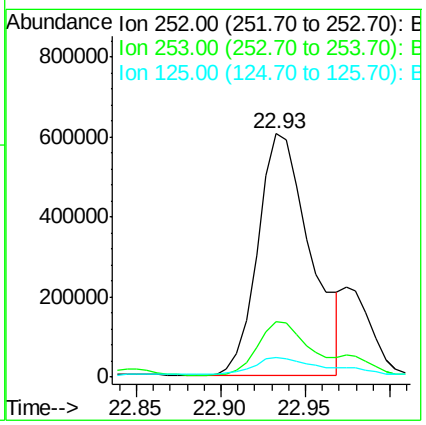
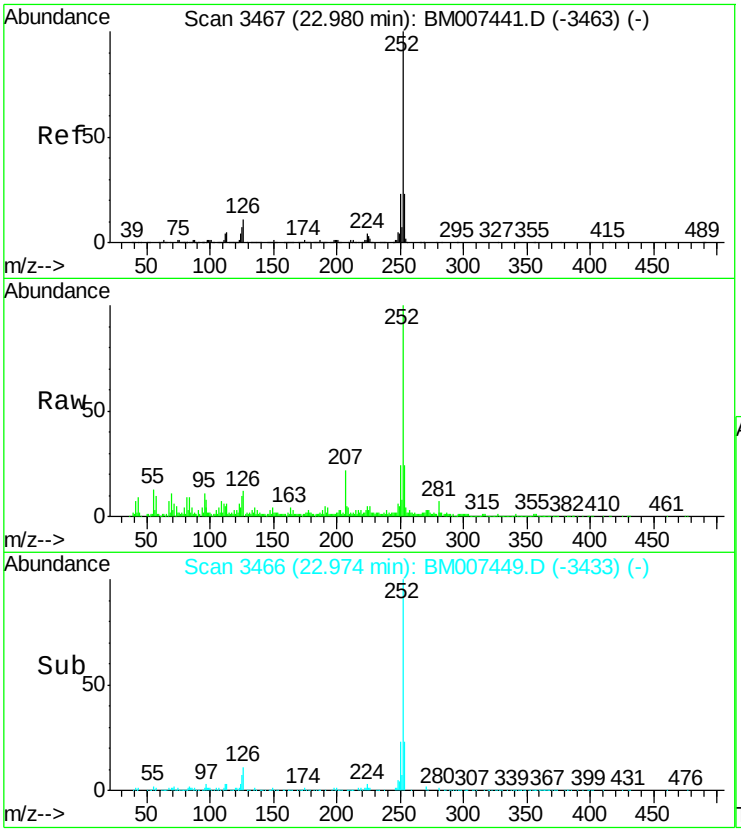


#85
Benzo(b)fluoranthene
Concen: 8.59 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:252 Resp: 1296086

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	8.1	5.8	8.8





#86
Benzo(k)fluoranthene
Concen: 1.97 ng/ul m
RT: 22.97 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:252 Resp: 275210

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	10.1	5.7	8.5#

Instrument :
BNA_M
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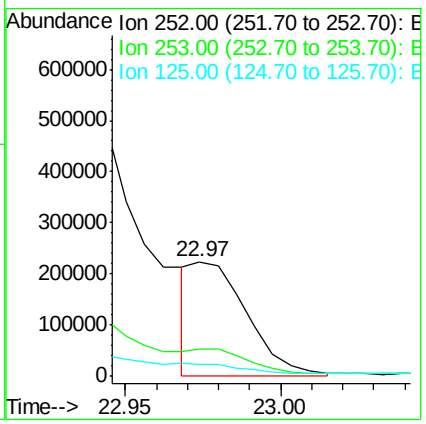
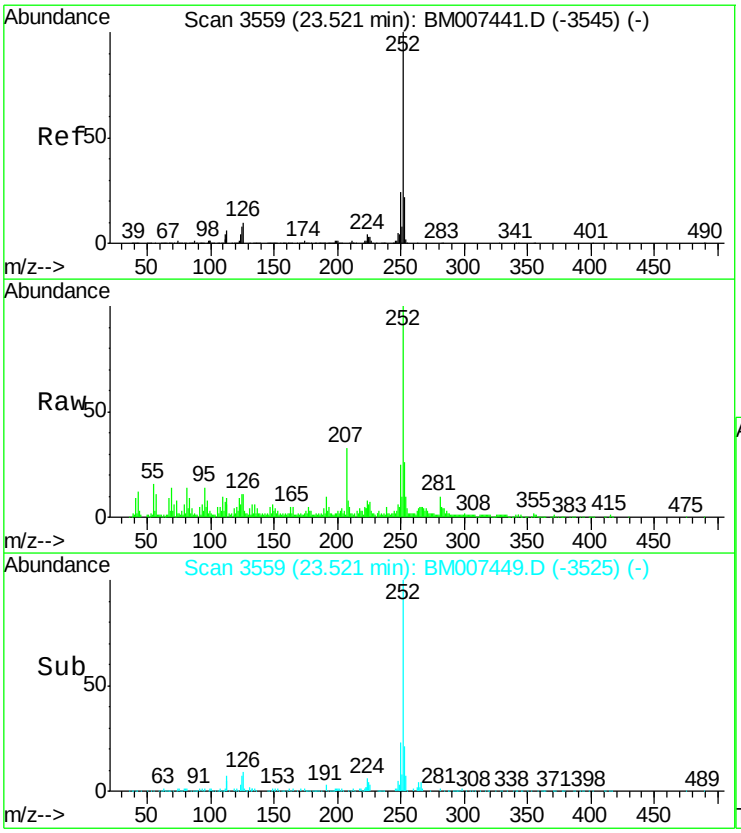
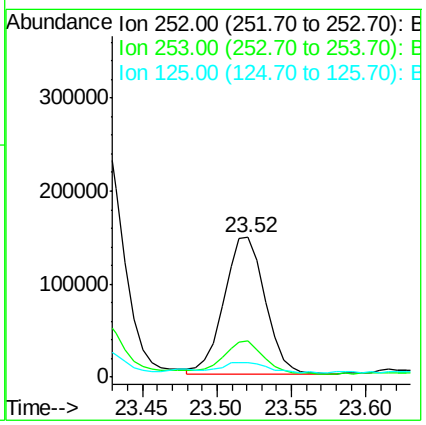


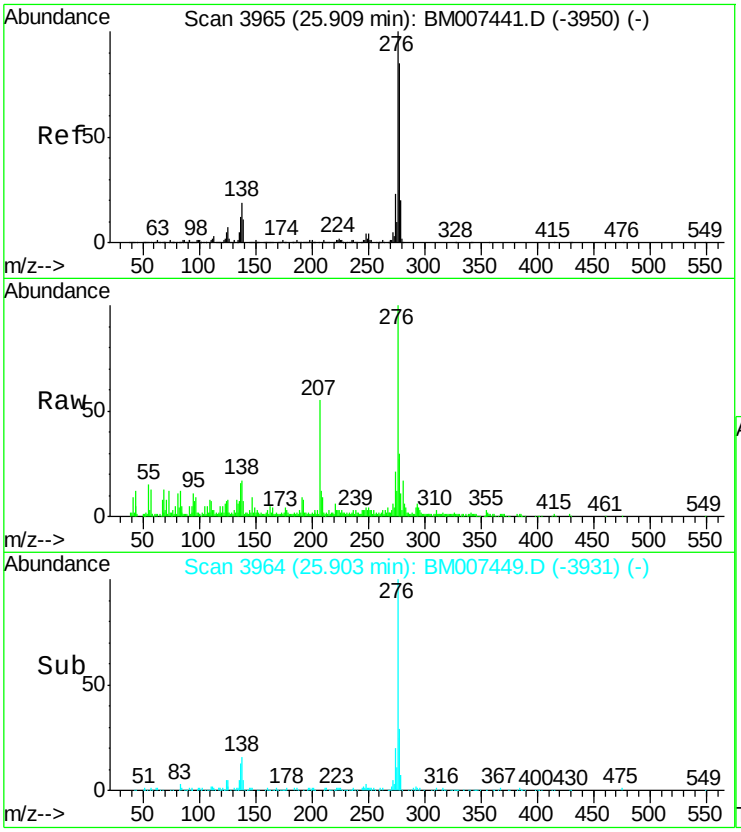


#88
Benzo(a)pyrene
Concen: 1.97 ng/ul
RT: 23.52 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:252 Resp: 284957

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.7	26.5
125	10.5	6.6	9.8#

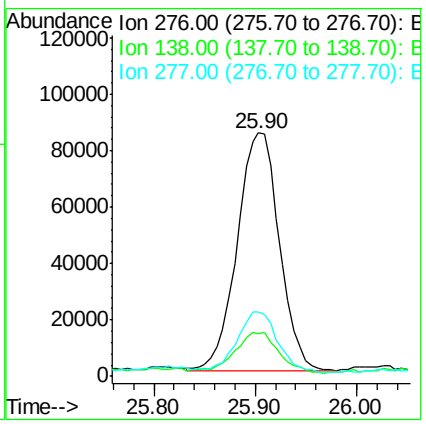




#89
Indeno(1,2,3-cd)pyrene
Concen: 1.37 ng/ul
RT: 25.90 min Scan# 3964
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:276 Resp: 243247

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.9	20.9
277	26.5	20.1	30.1



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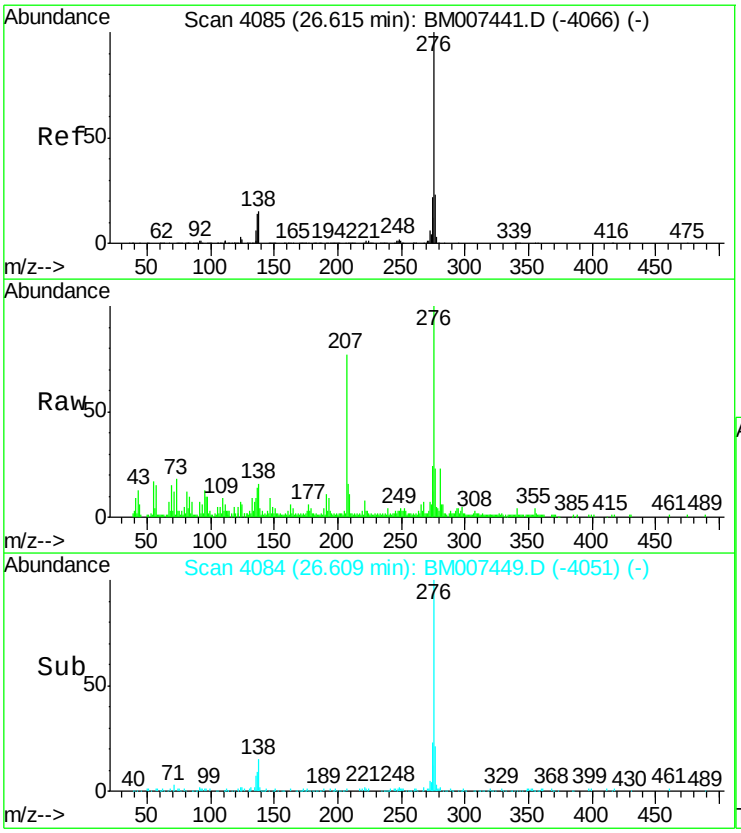

#91
Benzo(g,h,i)perylene
Concen: 1.33 ng/ul
RT: 26.61 min Scan# 4084
Delta R.T. -0.01 min
Lab File: BM007449.D
Acq: 07 Sep 2016 21:18

Tgt Ion:276 Resp: 199450

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.5	20.3
277	22.6	19.3	28.9