Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004025.D
Acq On : 14 Jan 2016 23:14
Operator : SJ/UM
Sample : H1099-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A1

Manual Integrations APPROVED
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1/15/2016 3:03:06 PM

Quant Time: Jan 15 01:00:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 00:28:21 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	41713	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	201083	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	118857	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	262125	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	231272	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	199297	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	3895	4.18	ng/uL	0.00
5) Phenol-d5	6.84	99	92954	26.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	54253	27.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	78981	27.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	66616	23.74	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	40105	26.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	43920	26.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	77194	26.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	93086	23.90	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	253391	27.16	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	316295	27.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	32908	19.64	ng/ul	0.00
58) Fluorene-d10	15.32	176	225551	28.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	25751	17.42	ng/ul	0.00
71) Anthracene-d10	17.17	188	340623	28.10	ng/ul	0.00
79) Pyrene-d10	19.47	212	353510	29.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	281378	28.27	ng/ul	0.00
Target Compounds						Qvalue
16) 4-Methylphenol	8.45	108	3156	1.04	ng/ul	98
45) Dimethylphthalate	13.77	163	105498	11.09	ng/ul	99
70) Phenanthrene	17.11	178	101690	6.90	ng/ul	99
72) Anthracene	17.20	178	20515	1.36	ng/ul	100
77) Fluoranthene	19.14	202	199963	13.05	ng/ul	99
80) Pyrene	19.50	202	215357	13.72	ng/ul	98
83) Benzo(a)anthracene	21.26	228	86785	6.30	ng/ul	98
85) Chrysene	21.31	228	97040	7.42	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	95848	7.91	ng/ul	97
89) Benzo(k)fluoranthene	22.87	252	31778m	2.76	ng/ul	
91) Benzo(a)pyrene	23.41	252	72356	6.30	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.76	276	42994	3.38	ng/ul	98
93) Dibenzo(a,h)anthracene	25.76	278	13106	1.23	ng/ul#	80
94) Benzo(g,h,i)perylene	26.45	276	34534	3.24	ng/ul	98

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

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Instrument :
BNA_M
ClientSampleId :
BC9A1

Manual Integrations APPROVED
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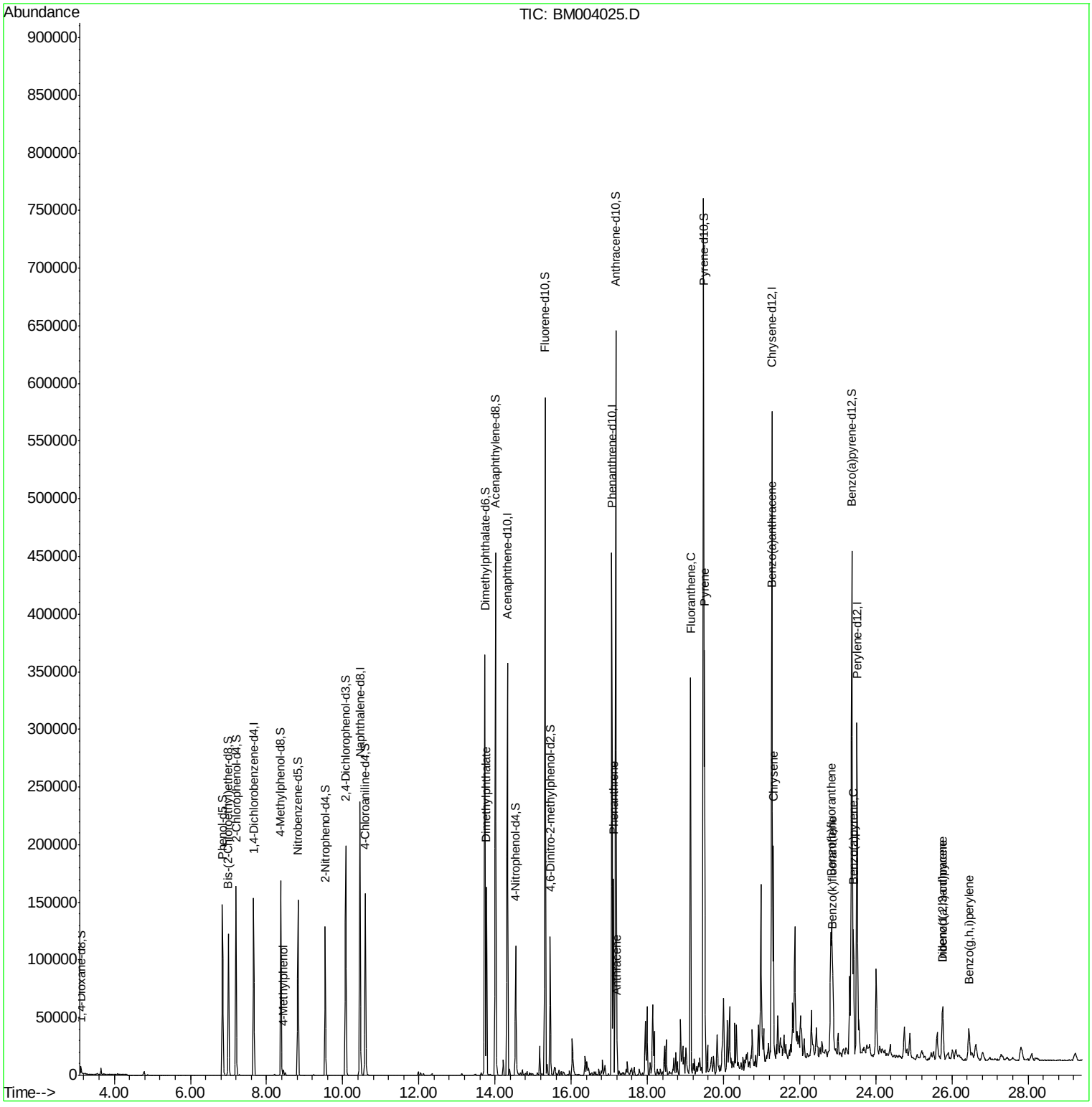

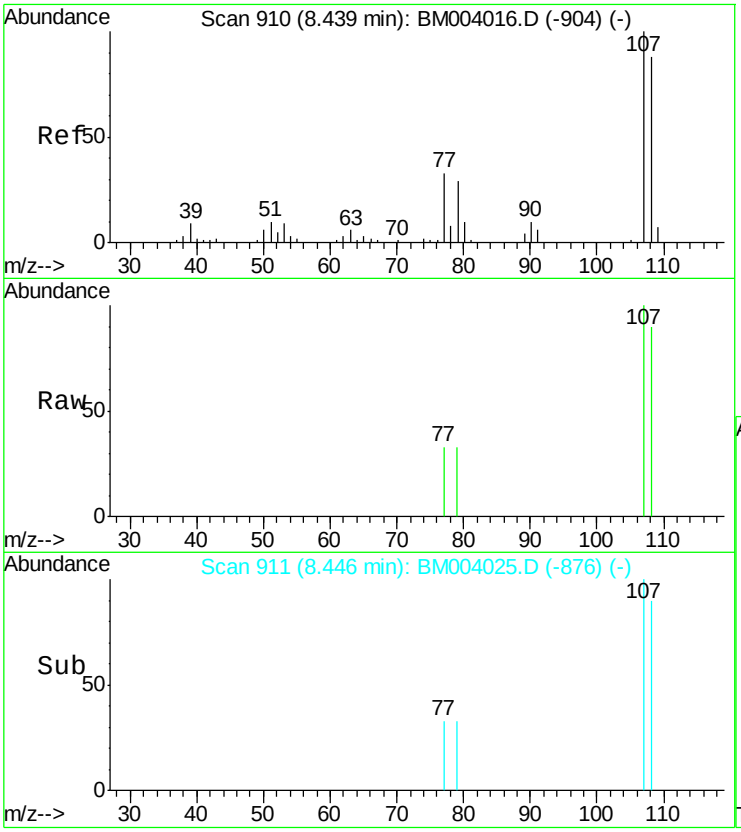

#16
4-Methylphenol
Concen: 1.04 ng/ul
RT: 8.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:108 Resp: 3156

Ion	Ratio	Lower	Upper
108	100		
107	111.3	90.3	135.5

Instrument :
BNA_M
ClientSampleId :
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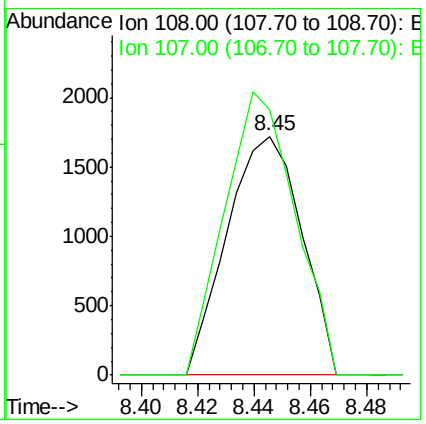
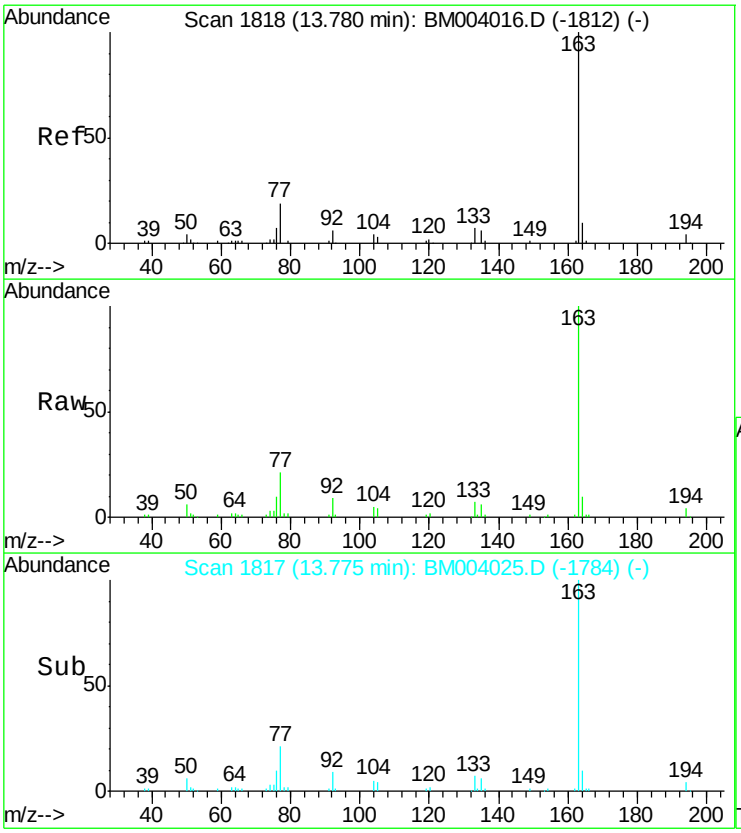
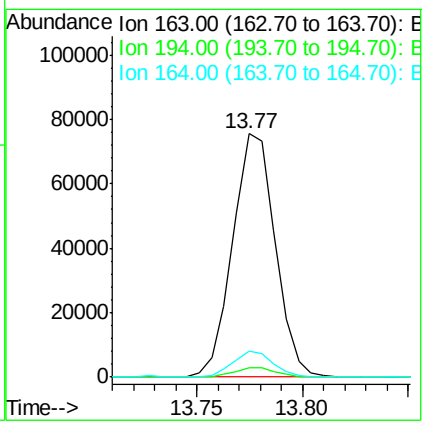


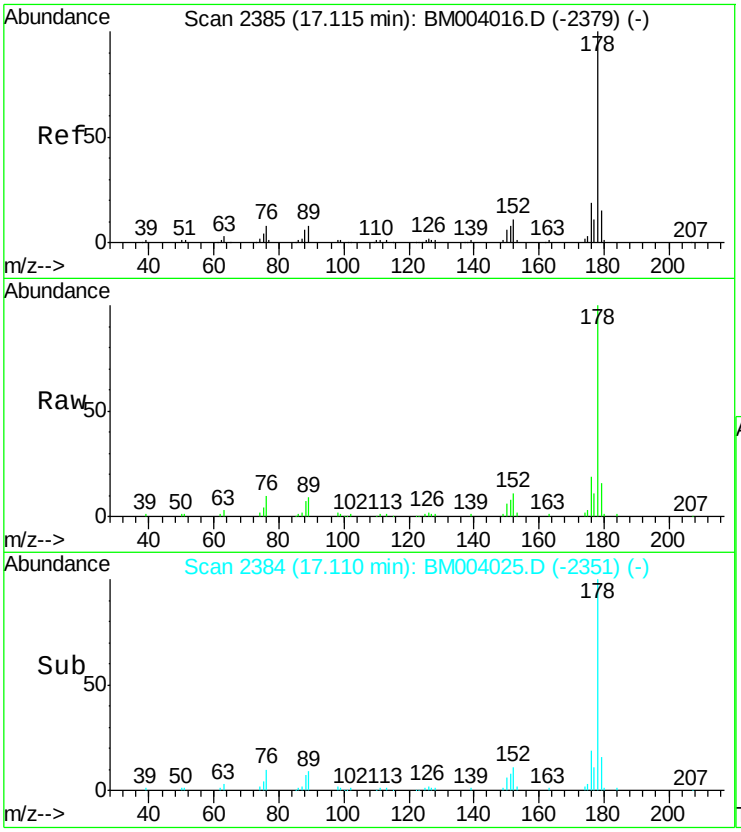


#45
Dimethylphthalate
Concen: 11.09 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:163 Resp: 105498

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.5	7.8	11.8

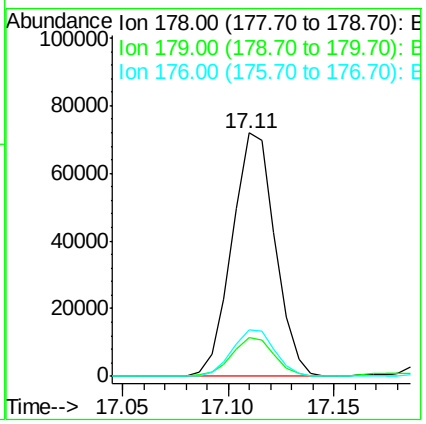




#70
Phenanthrene
Concen: 6.90 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:178 Resp: 101690

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	18.9	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
BC9A1

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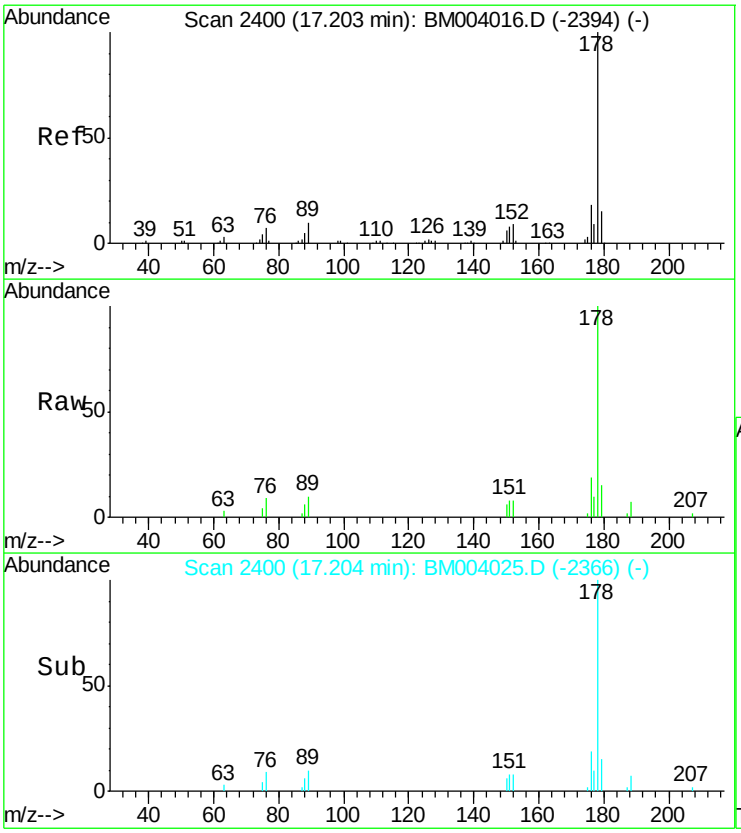
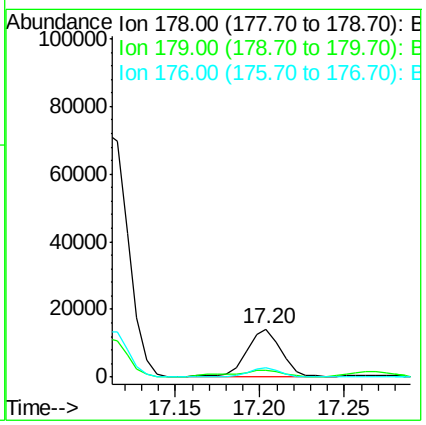
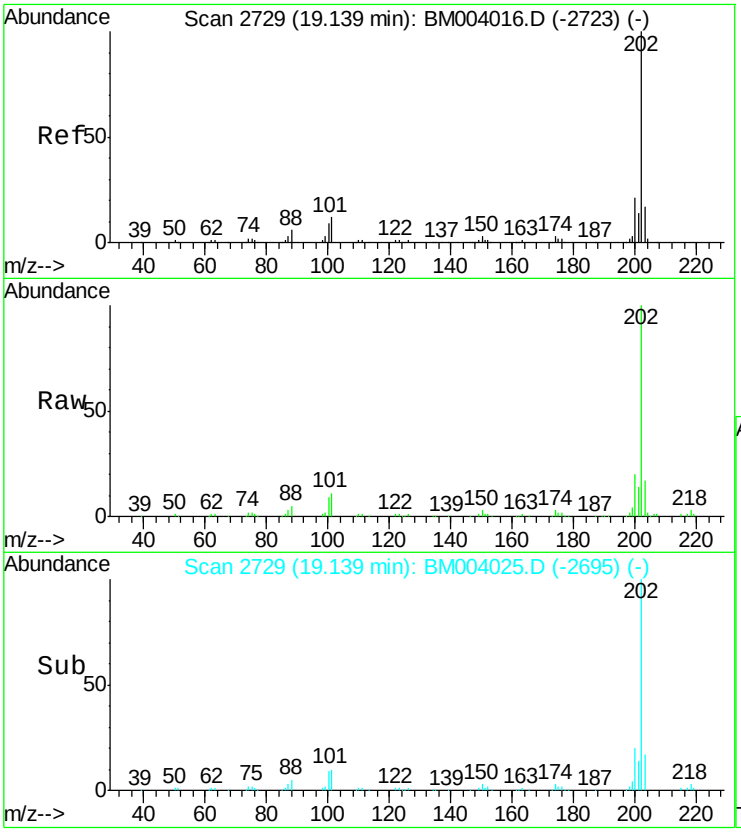


#72
Anthracene
Concen: 1.36 ng/ul
RT: 17.20 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:178 Resp: 20515

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1
176	18.7	14.8	22.2

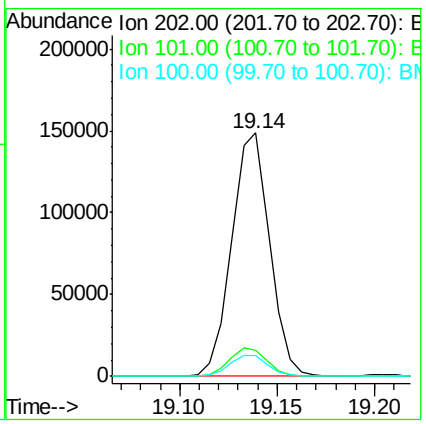




#77
Fluoranthene
Concen: 13.05 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:202 Resp: 199963

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.8	13.2
100	8.7	6.6	9.8



Instrument :
BNA_M
ClientSampleId :
BC9A1

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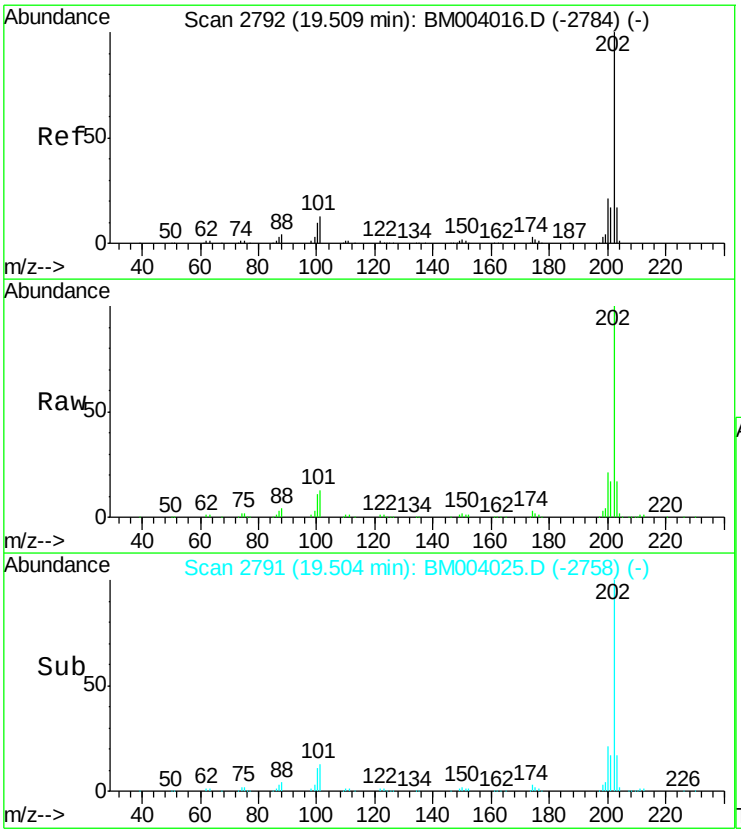
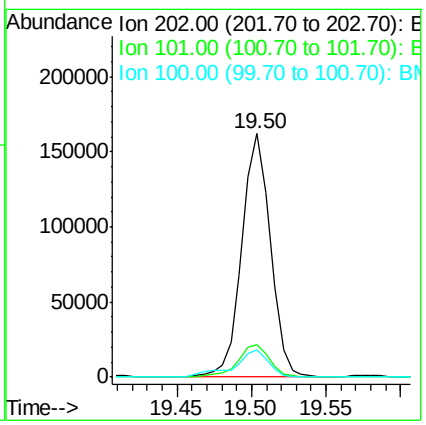
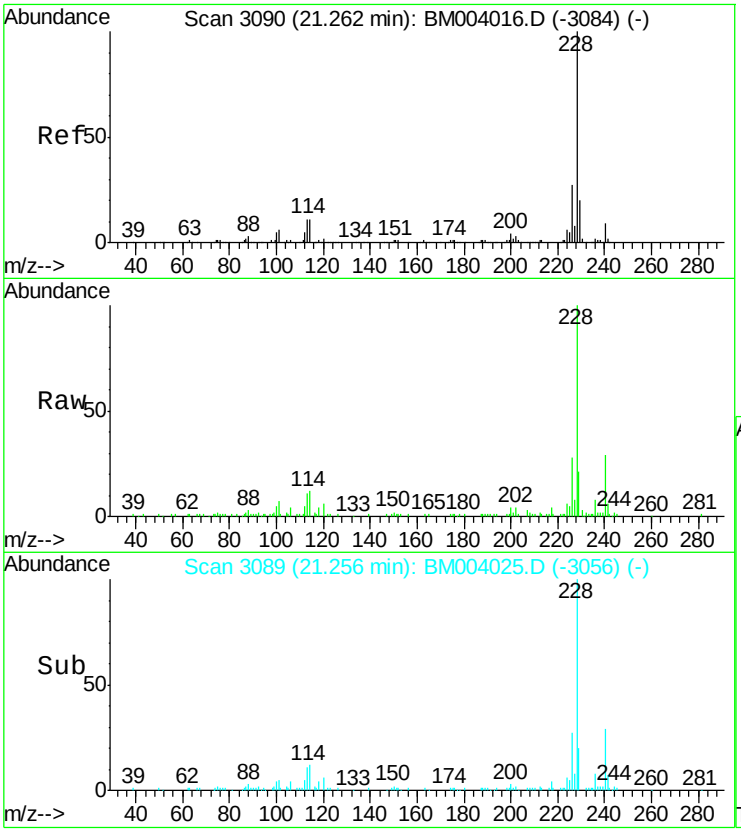


#80
Pyrene
Concen: 13.72 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:202 Resp: 215357

Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.2	15.2
100	11.1	8.5	12.7

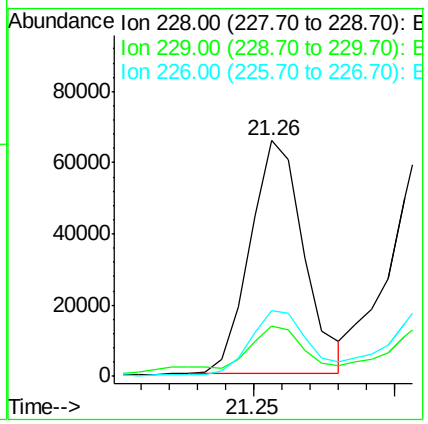




#83
Benzo(a)anthracene
Concen: 6.30 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:228 Resp: 86785

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	27.8	21.8	32.6



Instrument :
BNA_M
ClientSampleId :
BC9A1

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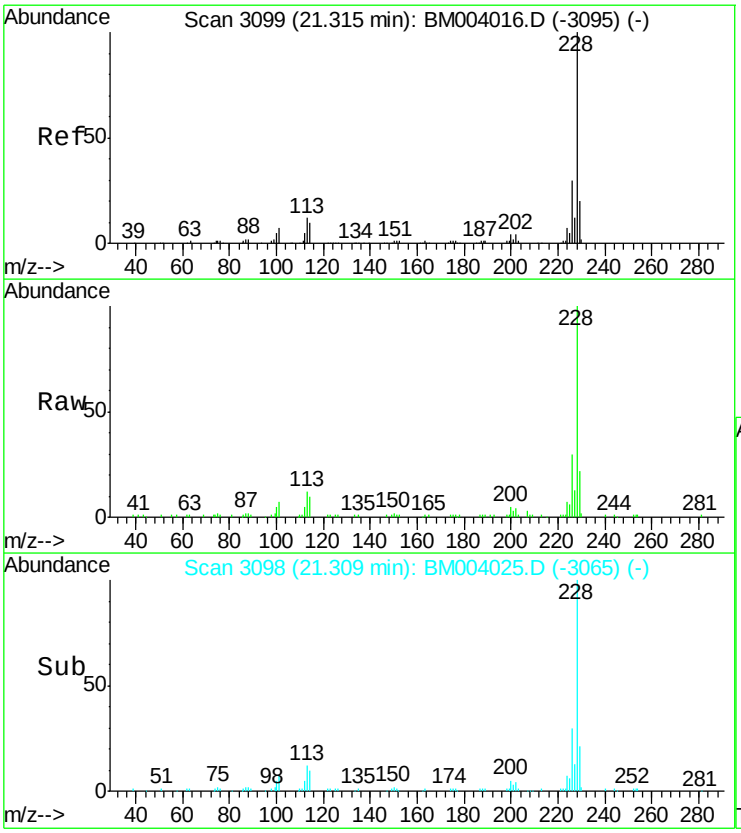
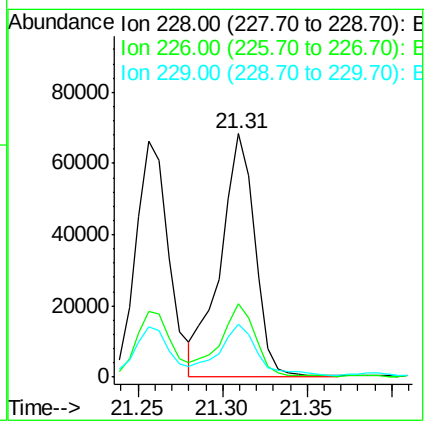
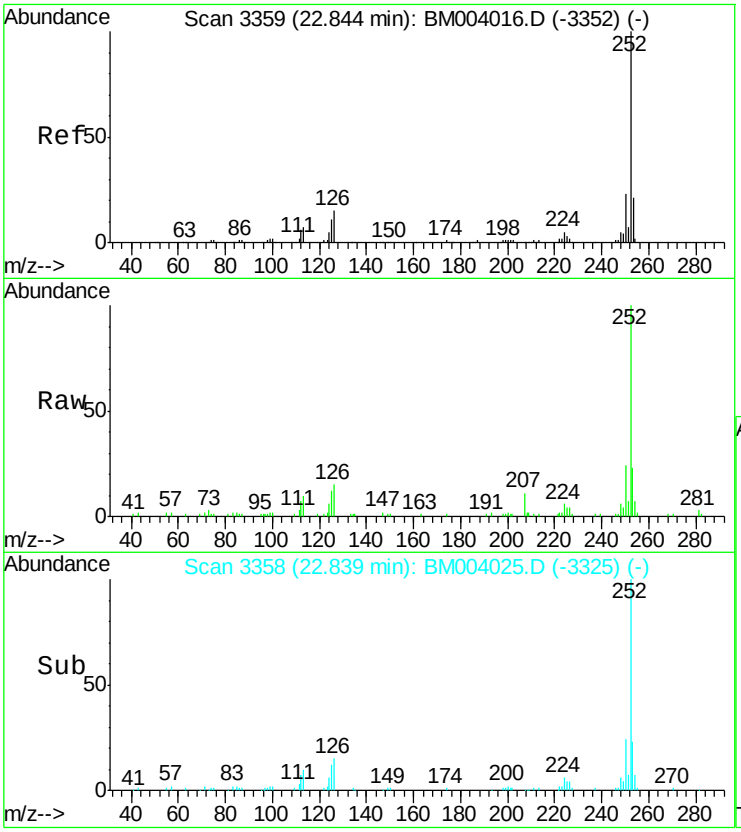


#85
Chrysene
Concen: 7.42 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:228 Resp: 97040

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.6	15.6	23.4

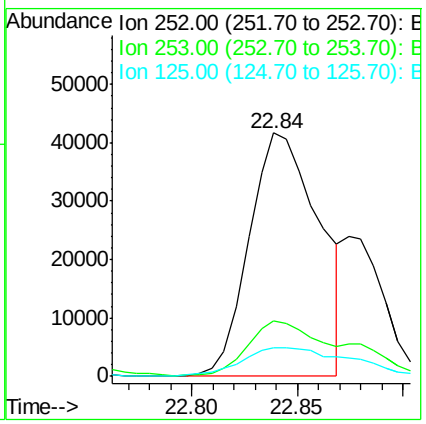




#88
Benzo(b)fluoranthene
Concen: 7.91 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:252 Resp: 95848

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	11.9	8.5	12.7



Instrument :
BNA_M
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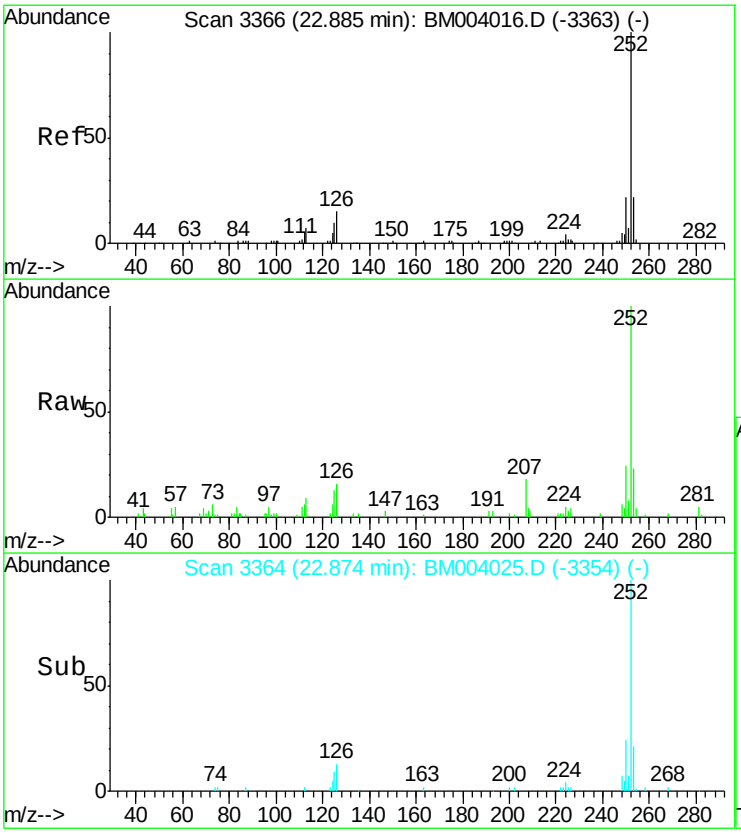
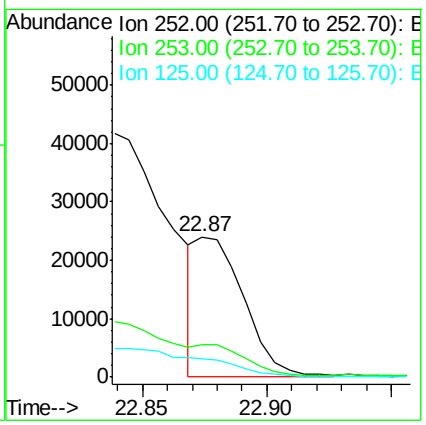
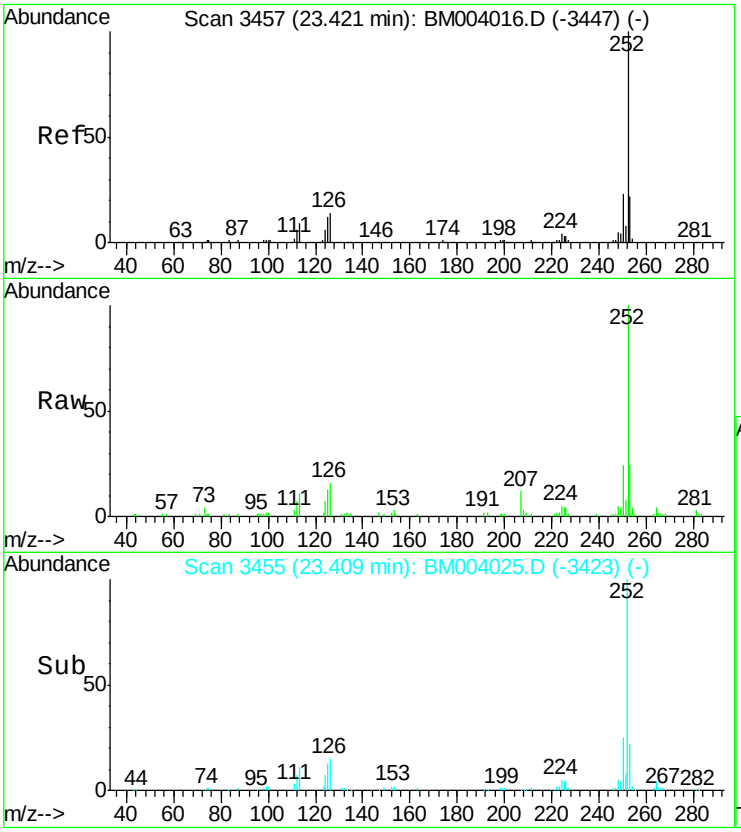


#89
Benzo(k)fluoranthene
Concen: 2.76 ng/ul m
RT: 22.87 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:252 Resp: 31778

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	13.0	8.2	12.2#

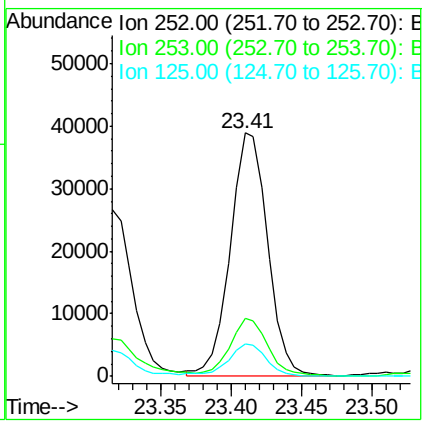




#91
Benzo(a)pyrene
Concen: 6.30 ng/ul
RT: 23.41 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:252 Resp: 72356

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.3	9.0	13.6



Instrument :
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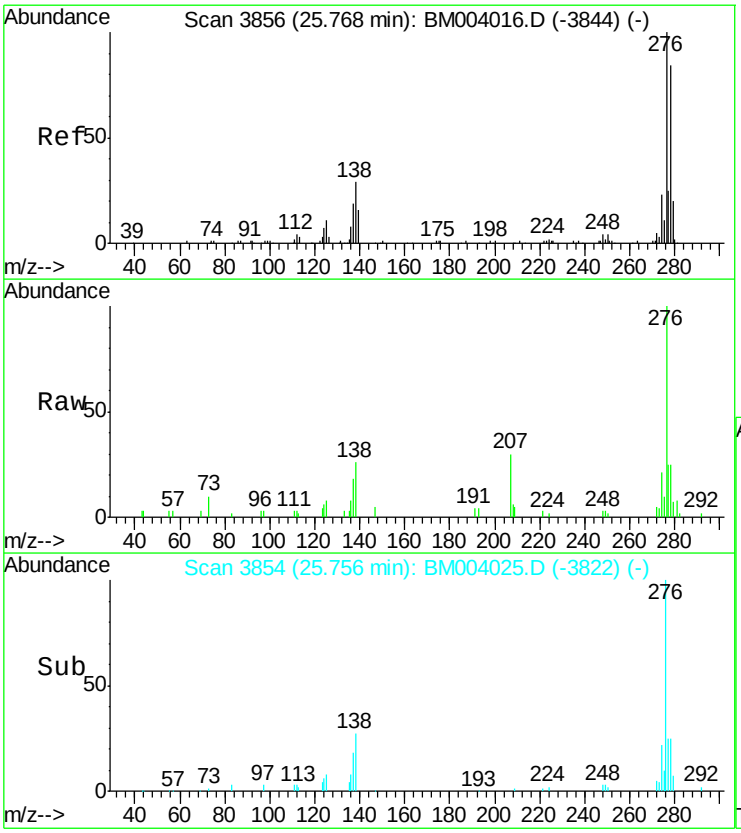
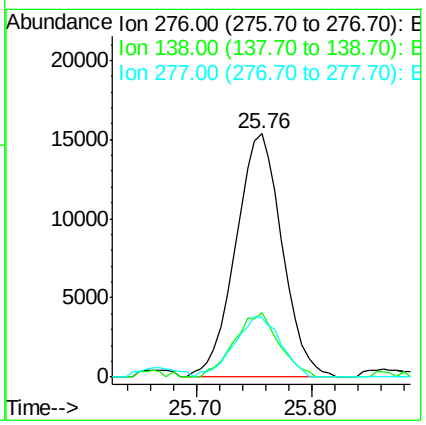
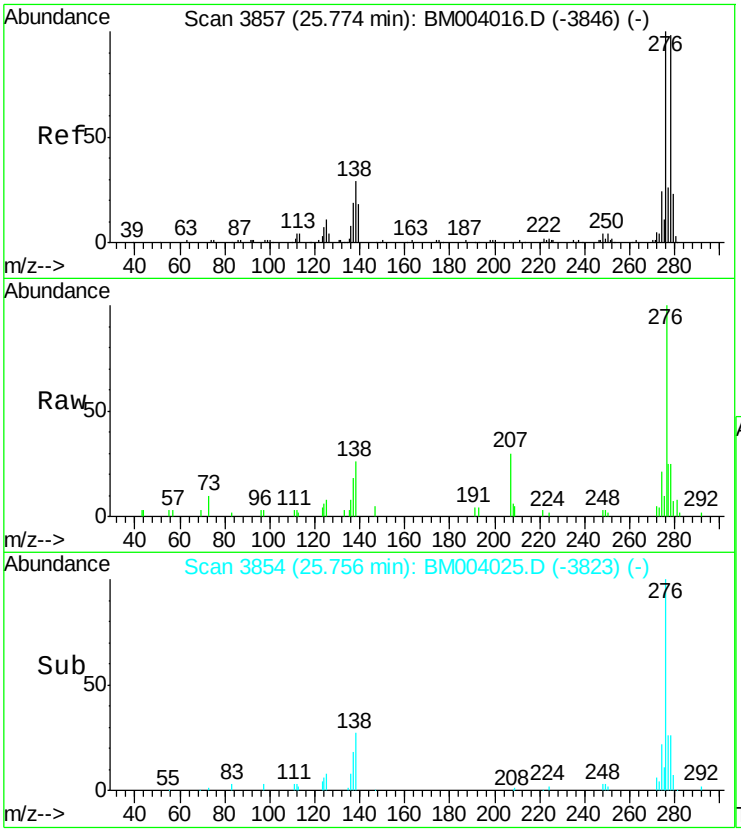


#92
Indeno(1,2,3-cd)pyrene
Concen: 3.38 ng/ul
RT: 25.76 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:276 Resp: 42994

Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.3	33.5
277	24.6	20.2	30.2





#93
Dibenzo(a,h)anthracene
Concen: 1.23 ng/ul
RT: 25.76 min Scan# 3854
Delta R.T. -0.02 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:278 Resp: 13106

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	26.6	19.0	28.4

Instrument :
BNA_M
ClientSampleId :
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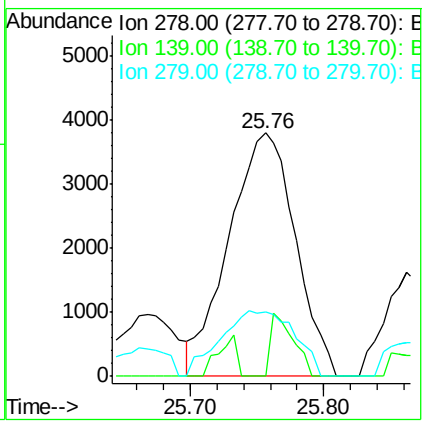

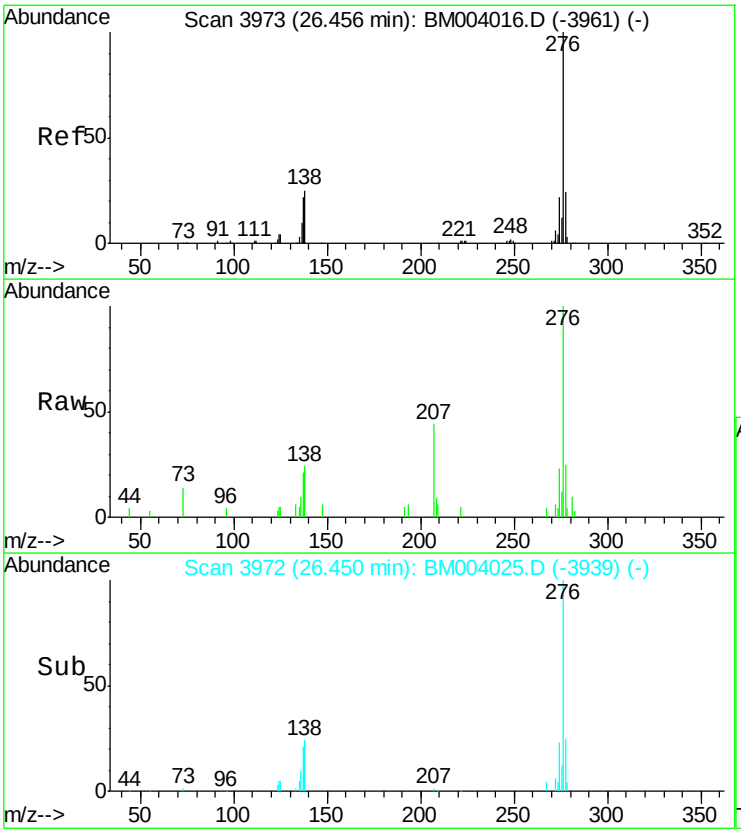

#94
Benzo(g,h,i)perylene
Concen: 3.24 ng/ul
RT: 26.45 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:276 Resp: 34534

Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.9	28.3
277	25.0	19.2	28.8