Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003981.D
Acq On : 13 Jan 2016 07:29
Operator : SJ/UM
Sample : H1095-20DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8DL

Manual Integrations APPROVED
MMdadoda
1/13/2016 3:28:52 PM

Quant Time: Jan 13 10:14:41 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 06:45:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	37864	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	187558	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	113522	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	257771	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	247293	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	196681	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.85	99	6313	2.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3966	2.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	5616	2.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	4746	1.86	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	2293	1.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	2264	1.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	5114	1.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	3530	0.97	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	21578	2.42	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	26218	2.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	755	0.47	ng/ul	0.02
58) Fluorene-d10	15.32	176	22097	2.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	1032	0.71	ng/ul	0.00
71) Anthracene-d10	17.17	188	34201	2.87	ng/ul	0.00
79) Pyrene-d10	19.47	212	38297	2.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	28782	2.93	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	13.78	163	9370	1.03	ng/ul#	94
70) Phenanthrene	17.11	178	75715	5.22	ng/ul	99
72) Anthracene	17.20	178	16501	1.11	ng/ul	98
77) Fluoranthene	19.14	202	145431	9.65	ng/ul	99
80) Pyrene	19.50	202	154682	9.21	ng/ul	99
83) Benzo(a)anthracene	21.26	228	67672	4.60	ng/ul	97
85) Chrysene	21.31	228	75789	5.42	ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	67470	5.64	ng/ul	98
89) Benzo(k)fluoranthene	22.88	252	24192m	2.13	ng/ul	
91) Benzo(a)pyrene	23.41	252	50839	4.48	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	27911	2.22	ng/ul	96
94) Benzo(g,h,i)perylene	26.44	276	27313	2.59	ng/ul	98

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

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Instrument :
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BC9A8DL

Manual Integrations APPROVED
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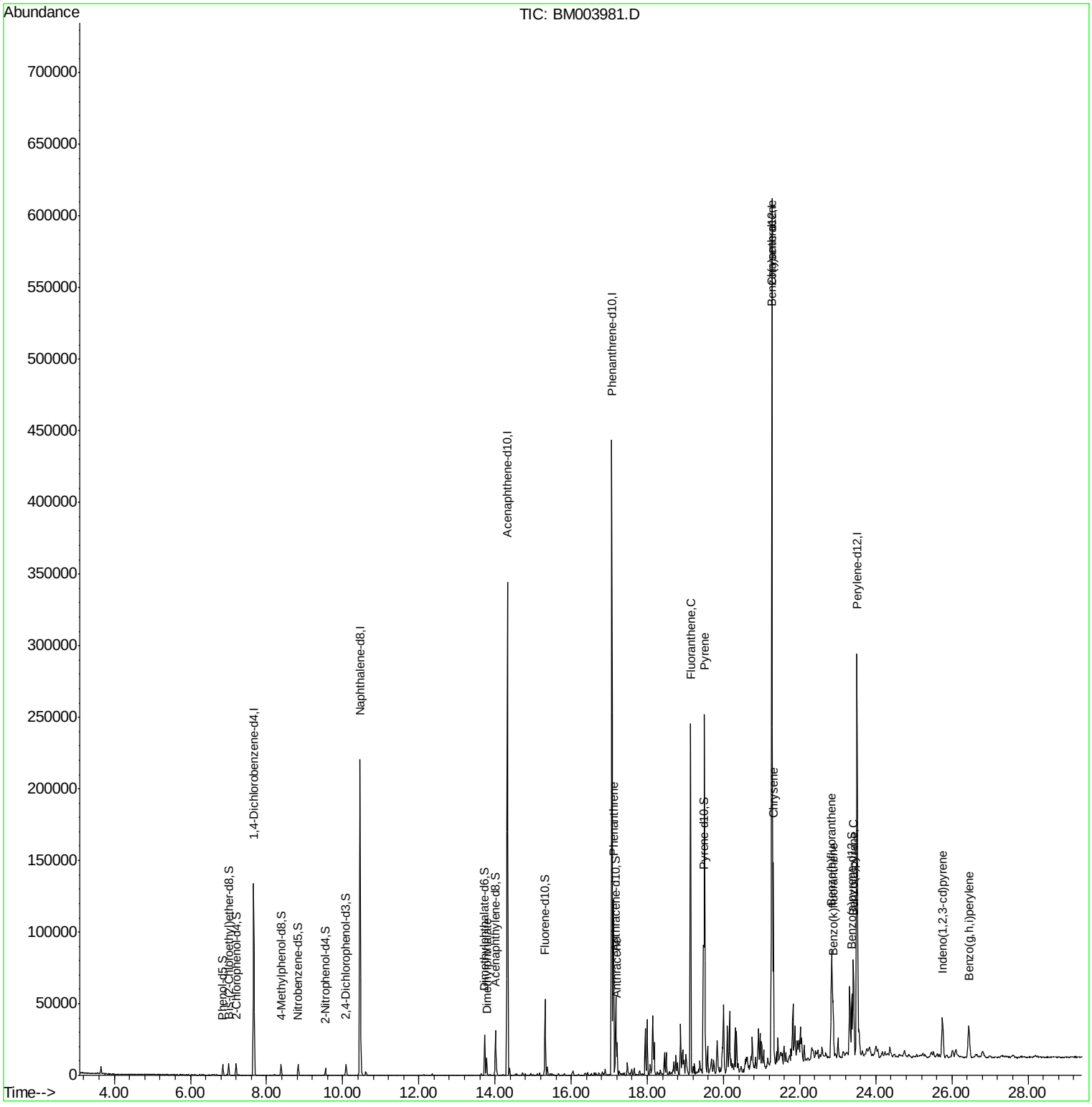
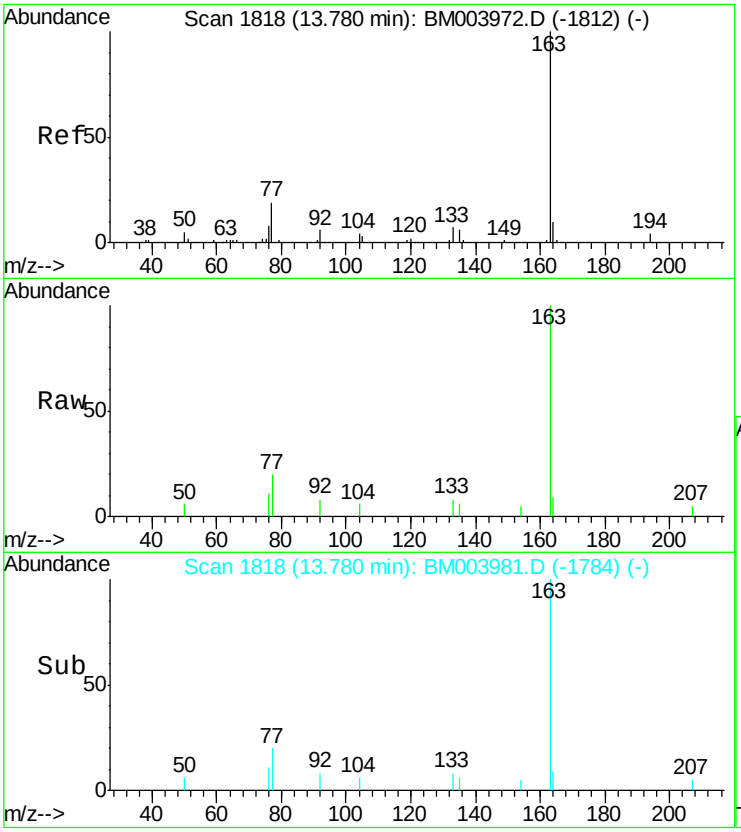
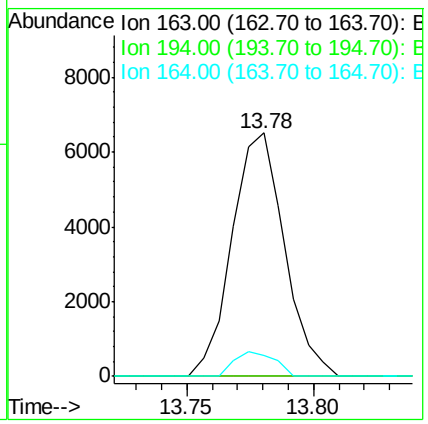




#45
Dimethylphthalate
Concen: 1.03 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:163 Resp: 9370

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	8.5	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
BC9A8DL

Manual Integrations APPROVED
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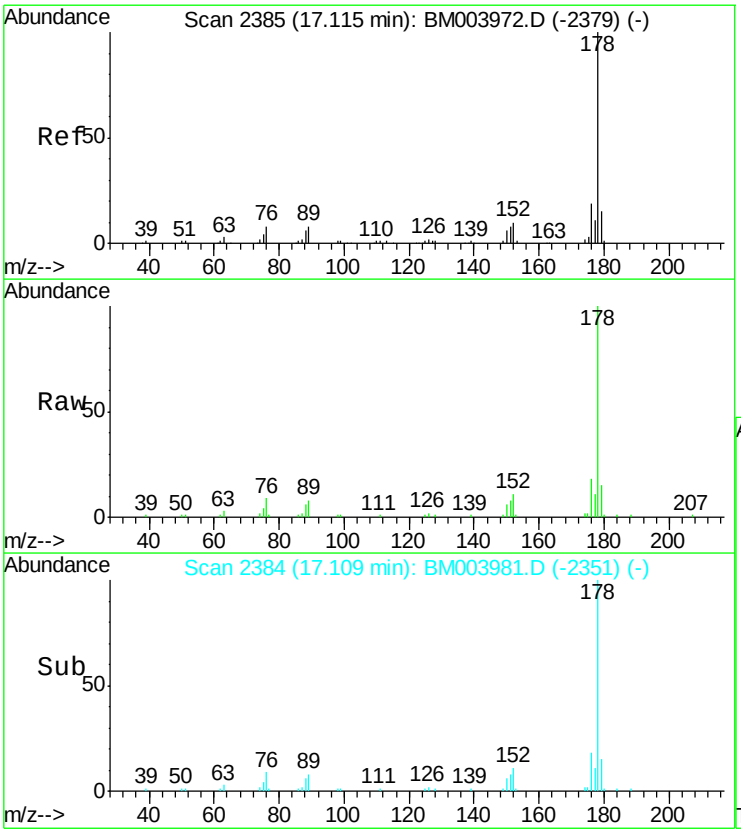
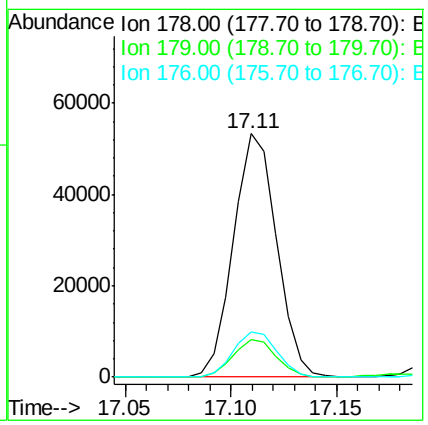
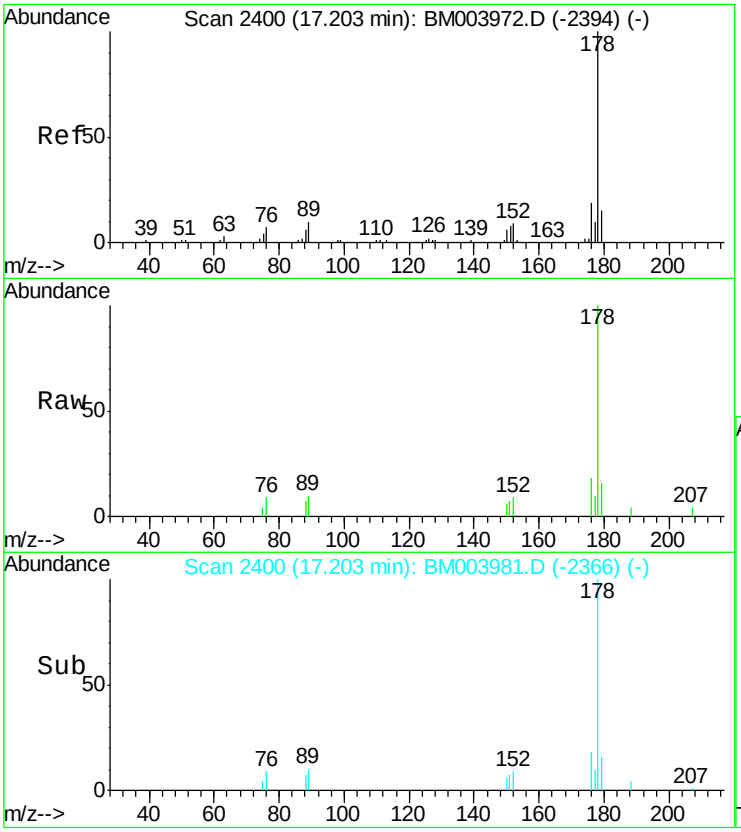


#70
Phenanthrene
Concen: 5.22 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:178 Resp: 75715

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	18.4	15.6	23.4

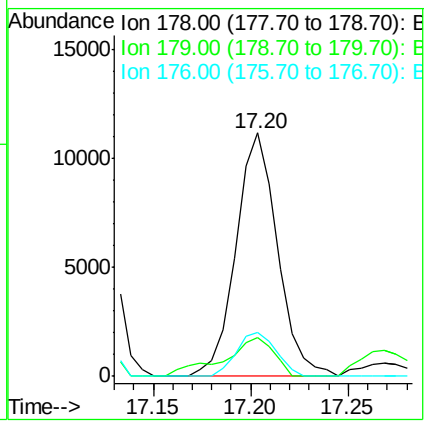




#72
Anthracene
Concen: 1.11 ng/ul
RT: 17.20 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:178 Resp: 16501

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.1	18.1
176	18.0	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
BC9A8DL

Manual Integrations APPROVED
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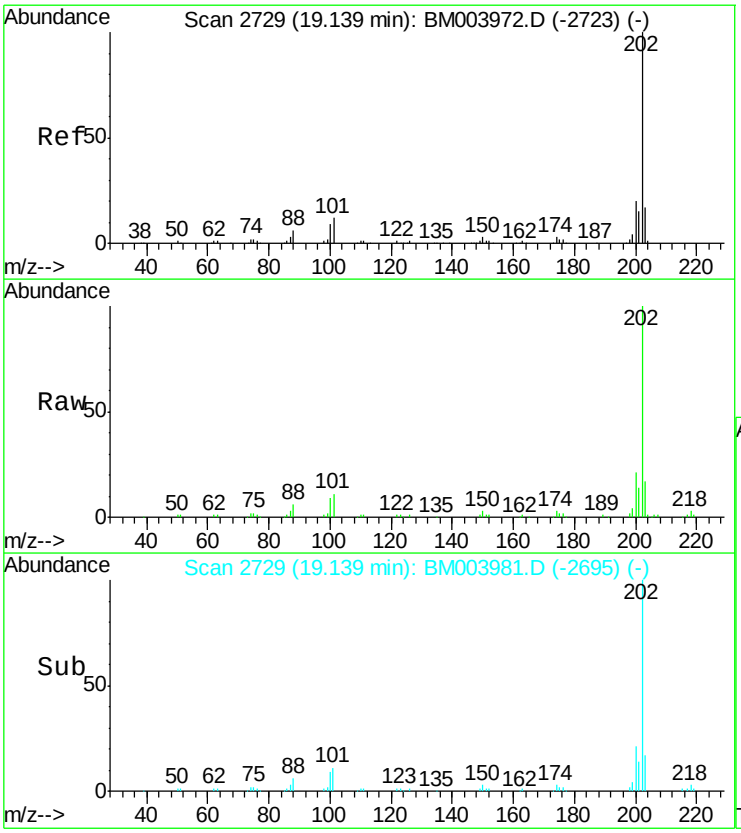
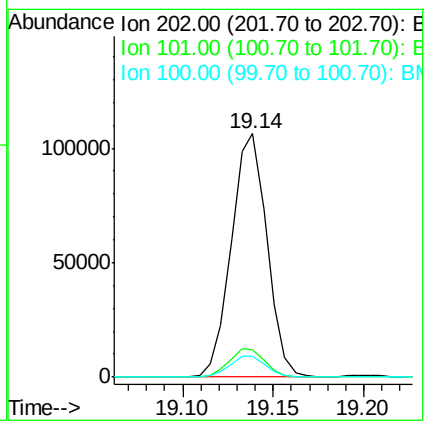
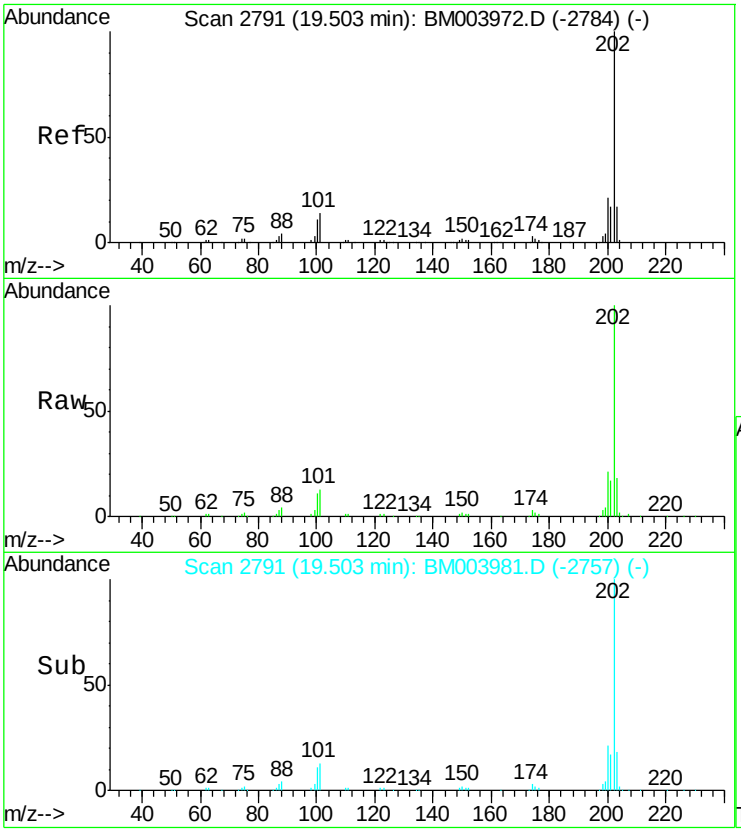


#77
Fluoranthene
Concen: 9.65 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:202 Resp: 145431

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.8	13.2
100	8.8	6.6	9.8

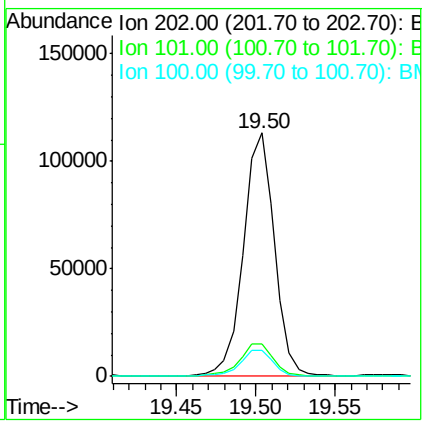




#80
Pyrene
Concen: 9.21 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:202 Resp: 154682

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.2	15.2
100	10.6	8.5	12.7



Instrument :
BNA_M
ClientSampleId :
BC9A8DL

Manual Integrations APPROVED
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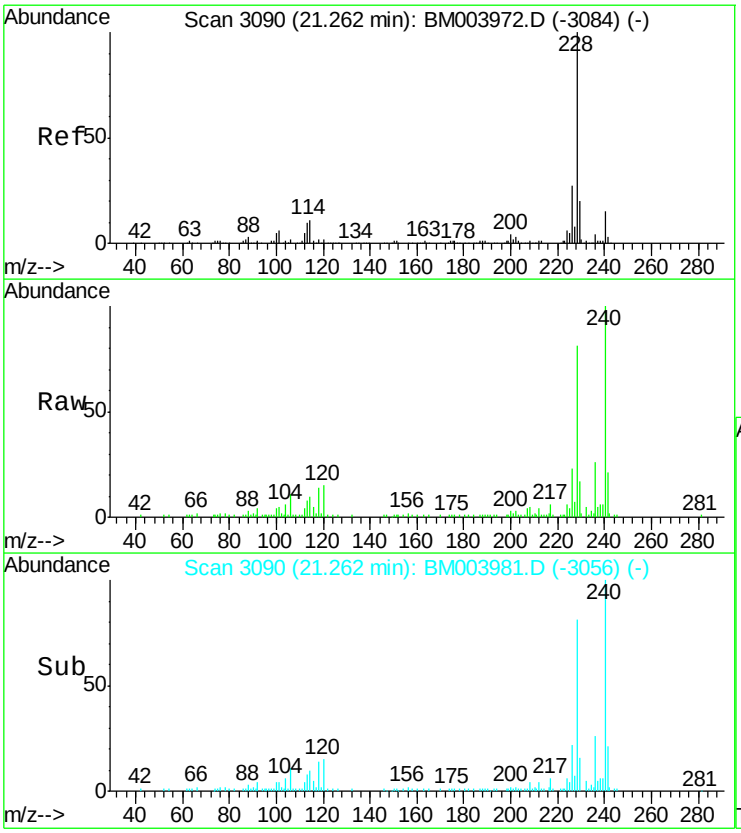
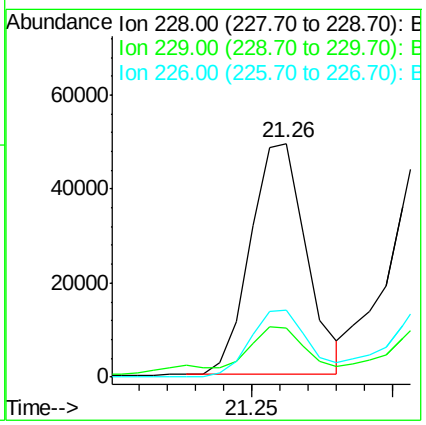
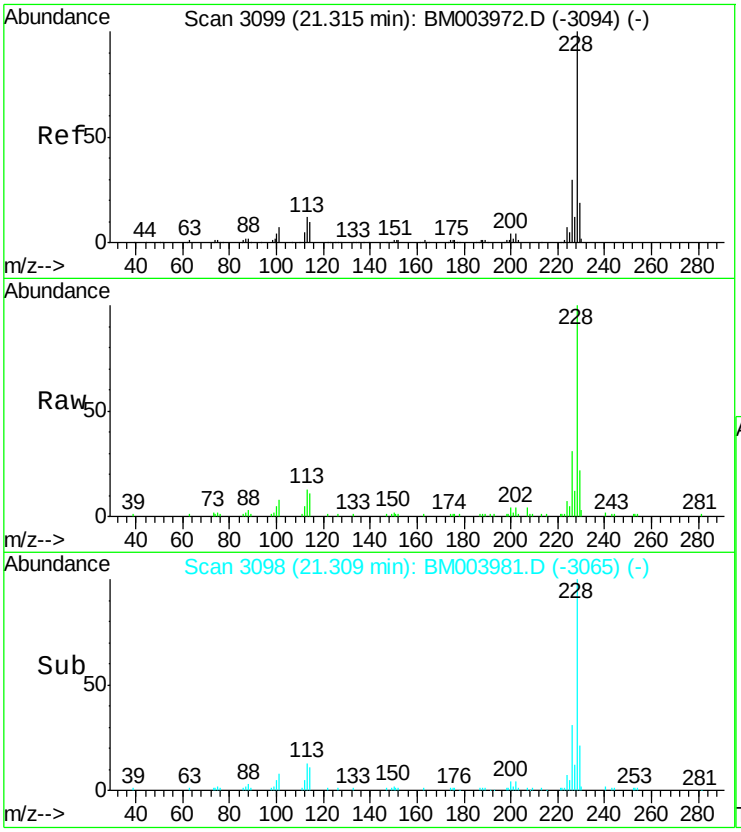


#83
Benzo(a)anthracene
Concen: 4.60 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:228 Resp: 67672

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	28.5	21.8	32.6

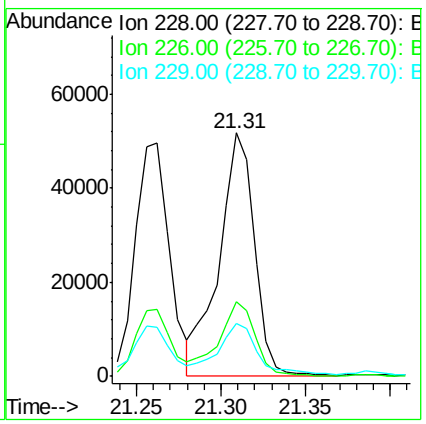




#85
Chrysene
Concen: 5.42 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:228 Resp: 75789

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	21.8	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
BC9A8DL

Manual Integrations APPROVED
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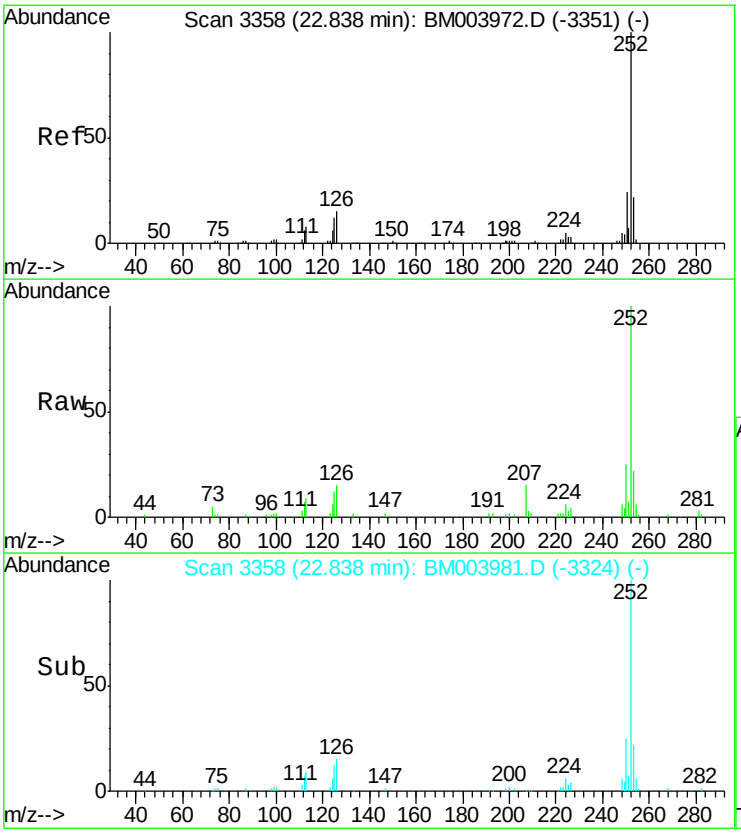
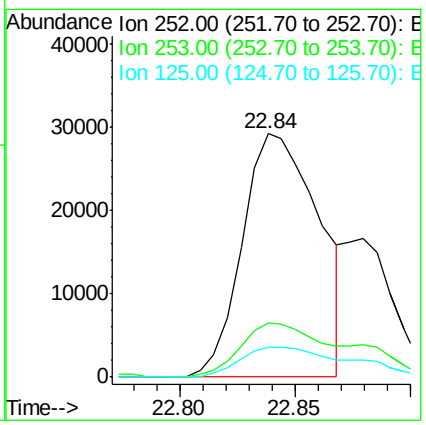
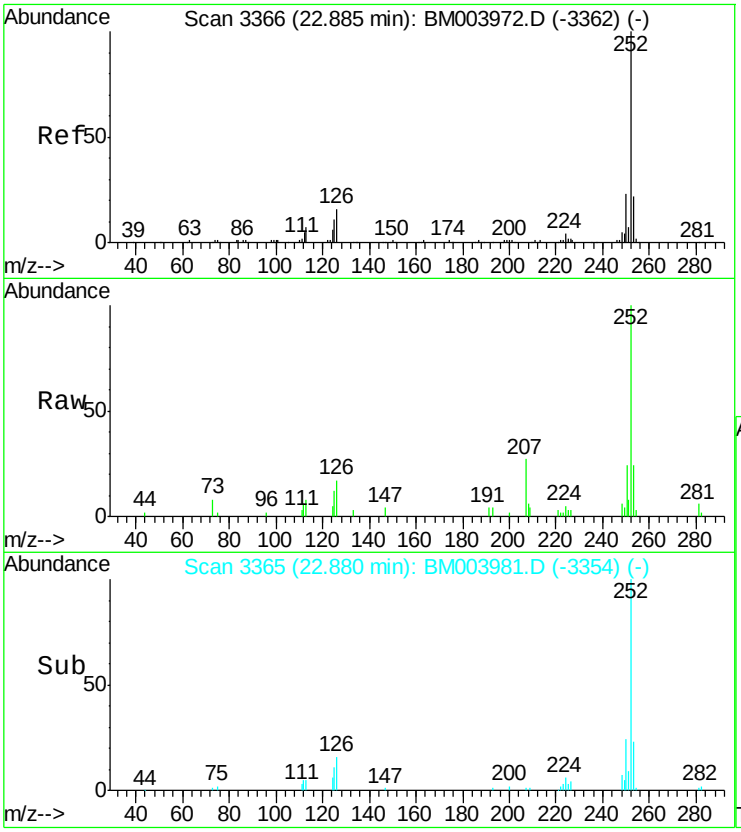


#88
Benzo(b)fluoranthene
Concen: 5.64 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.00 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:252 Resp: 67470

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.4	8.5	12.7

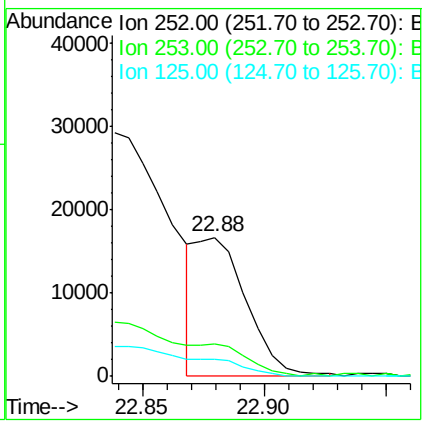




#89
Benzo(k)fluoranthene
Concen: 2.13 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:252 Resp: 24192

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	12.1	8.2	12.2



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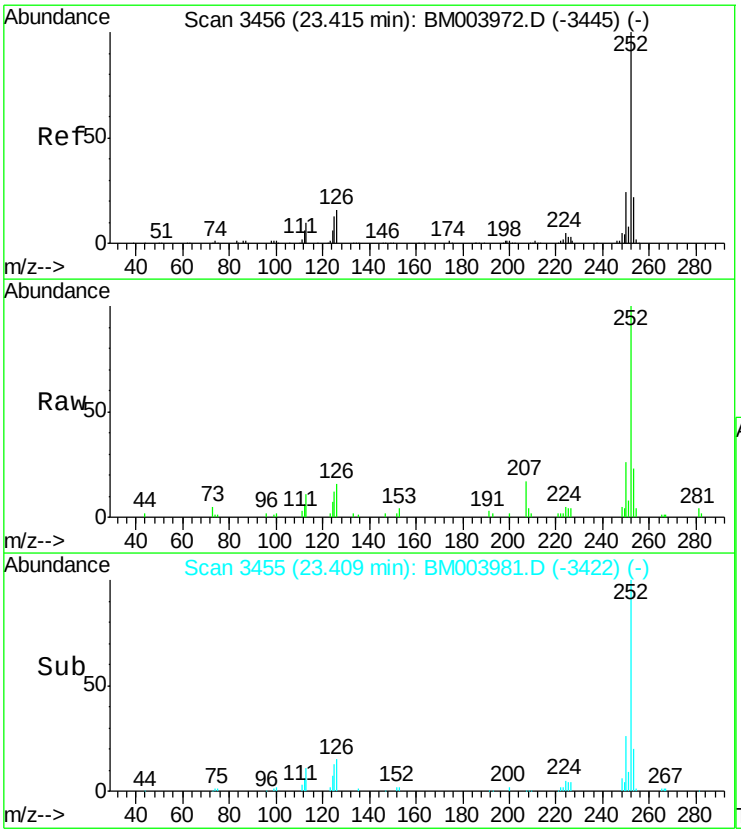
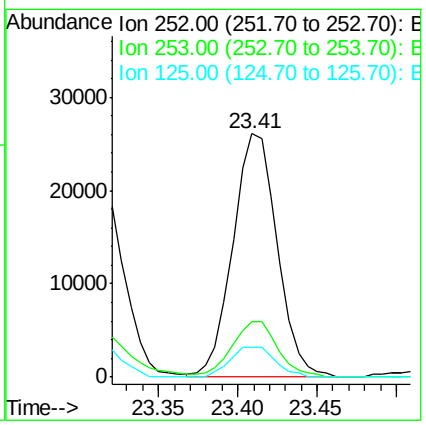
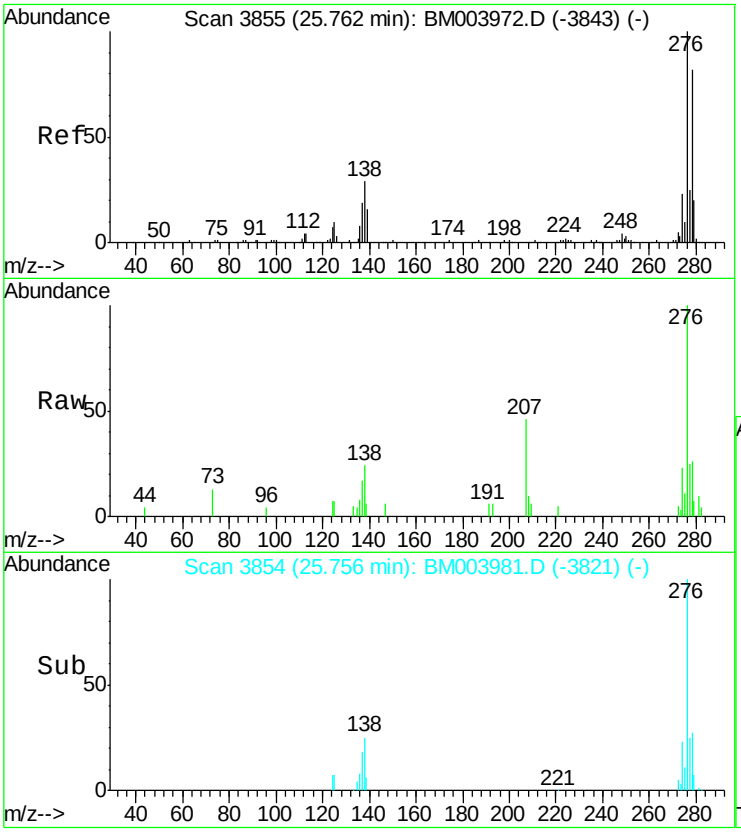


#91
Benzo(a)pyrene
Concen: 4.48 ng/ul
RT: 23.41 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:252 Resp: 50839

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.4	9.0	13.6

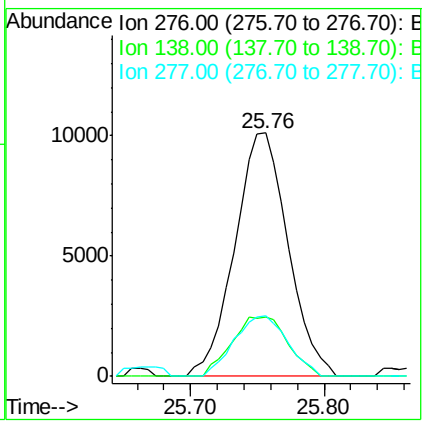




#92
Indeno(1,2,3-cd)pyrene
Concen: 2.22 ng/ul
RT: 25.76 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:276 Resp: 27911

Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.3	33.5
277	24.7	20.2	30.2



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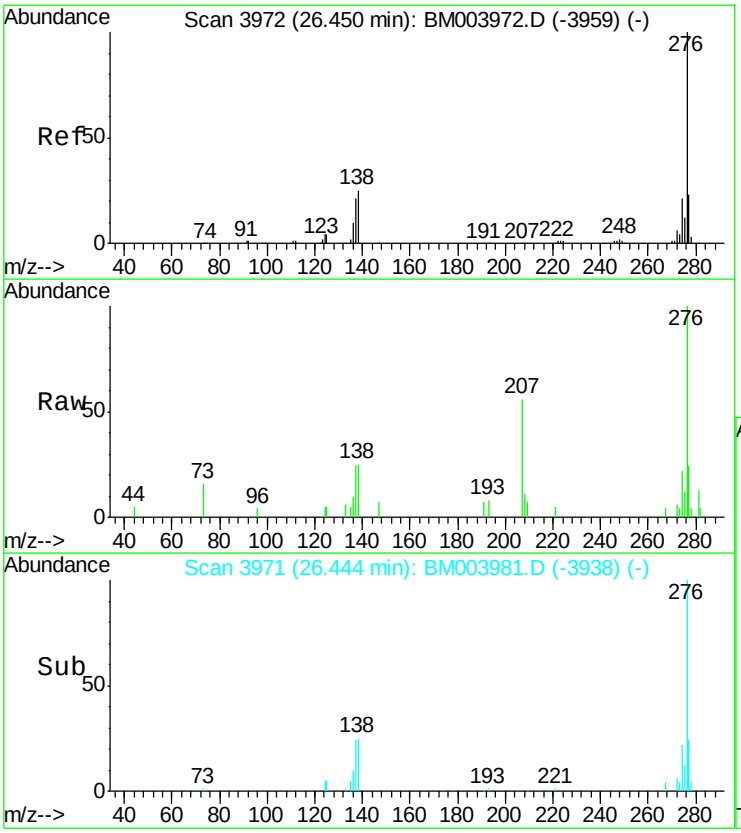

#94
Benzo(g,h,i)perylene
Concen: 2.59 ng/ul
RT: 26.44 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM003981.D
Acq: 13 Jan 2016 07:29

Tgt Ion:276 Resp: 27313

Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.9	28.3
277	24.2	19.2	28.8