Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

Quant Time: May 06 06:07:00 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 06 04:26:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	96949	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	463933	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	299931	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	733657	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	878781	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	874225	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	1965	0.95	ng/uL	0.00
5) Phenol-d5	6.95	99	37122	4.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	103353	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	110236	16.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	77807	10.71	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	74072	22.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	85106	22.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	143794	20.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	4995	0.60	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	547370	22.77	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	638162	22.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	18887	4.30	ng/ul	0.00
57) Fluorene-d10	15.41	176	480244	23.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	92574	22.43	ng/ul	0.00
70) Anthracene-d10	17.26	188	784329	24.18	ng/ul	0.00
76) Pyrene-d10	19.56	212	929238	22.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	947932	24.50	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	8844	2.35	ng/uL	97
28) Naphthalene	10.64	128	6833841	292.77	ng/ul	98
34) 2-Methylnaphthalene	12.23	142	1495962	85.69	ng/ul	100
40) 1,1'-Biphenyl	13.24	154	370628	15.60	ng/ul	100
47) Acenaphthylene	14.13	152	85921	2.88	ng/ul#	94
49) Acenaphthene	14.48	153	861022	43.80	ng/ul	99
53) Dibenzofuran	14.82	168	1099756	38.55	ng/ul	98
58) Fluorene	15.47	166	836404	37.50	ng/ul	99
69) Phenanthrene	17.21	178	1719106	44.56	ng/ul	100
71) Anthracene	17.30	178	128441	3.34	ng/ul	99
72) Carbazole	17.57	167	527911	15.60	ng/ul	99
74) Fluoranthene	19.22	202	334458	7.83	ng/ul	99
77) Pyrene	19.59	202	203047	3.98	ng/ul	98

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

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Acq On : 06 May 2016 04:11
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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
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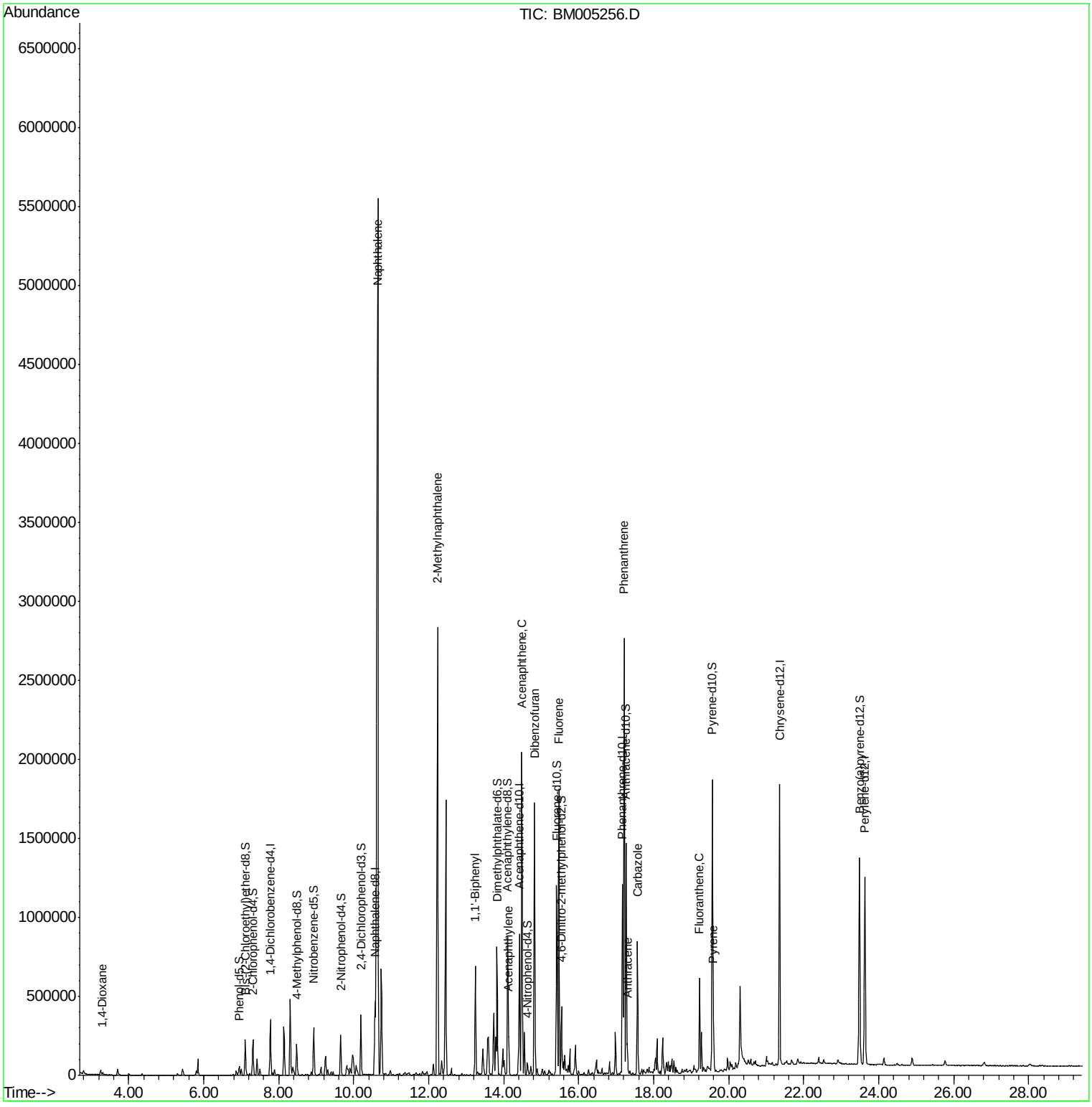
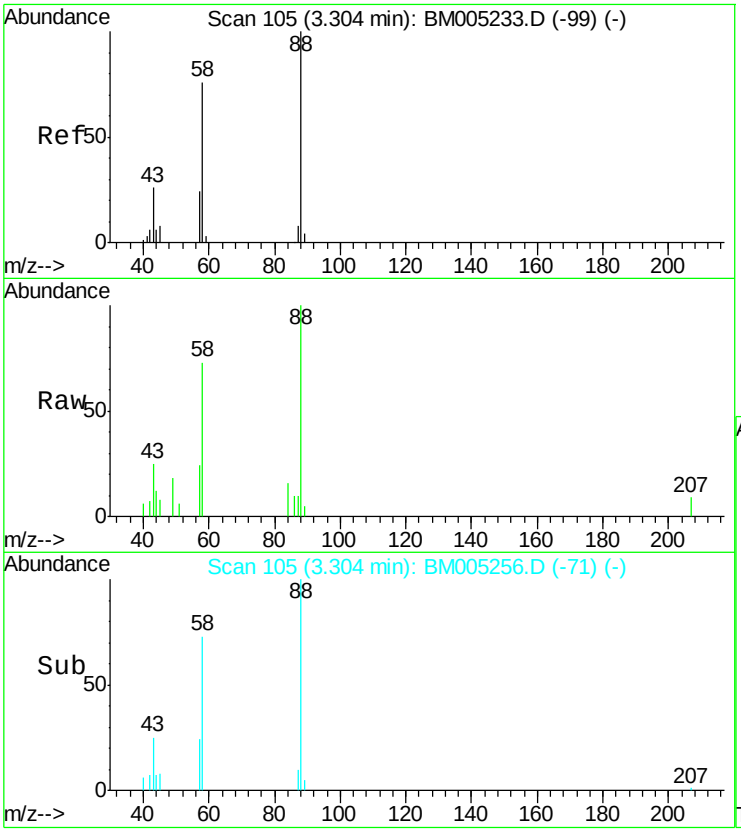


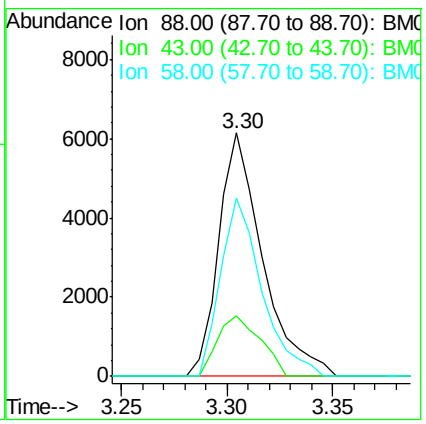


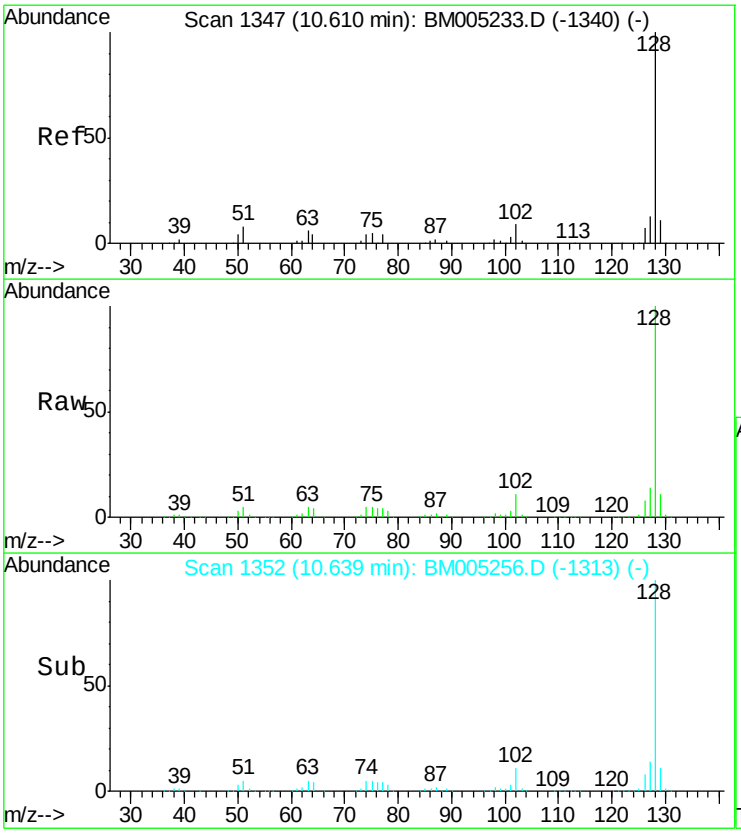
#2
1,4-Dioxane
Concen: 2.35 ng/uL
RT: 3.30 min Scan# 105
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion: 88 Resp: 8844

Ion	Ratio	Lower	Upper
88	100		
43	24.5	19.3	28.9
58	69.1	57.9	86.9

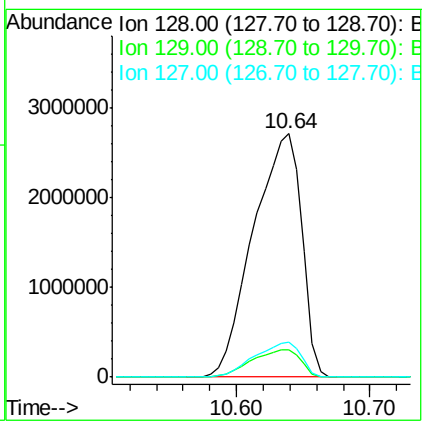


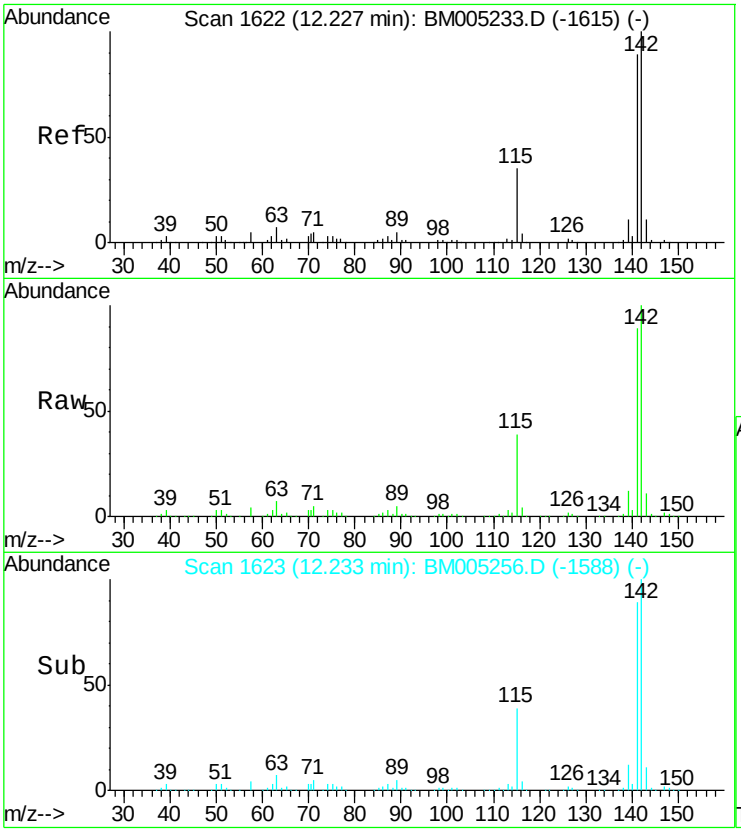


#28
Naphthalene
Concen: 292.77 ng/ul
RT: 10.64 min Scan# 1352
Delta R.T. 0.03 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:128 Resp: 6833841

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	14.1	10.8	16.2



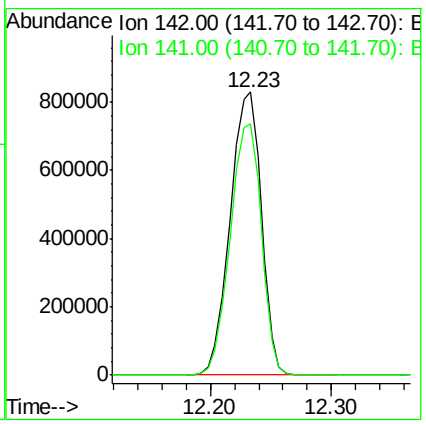


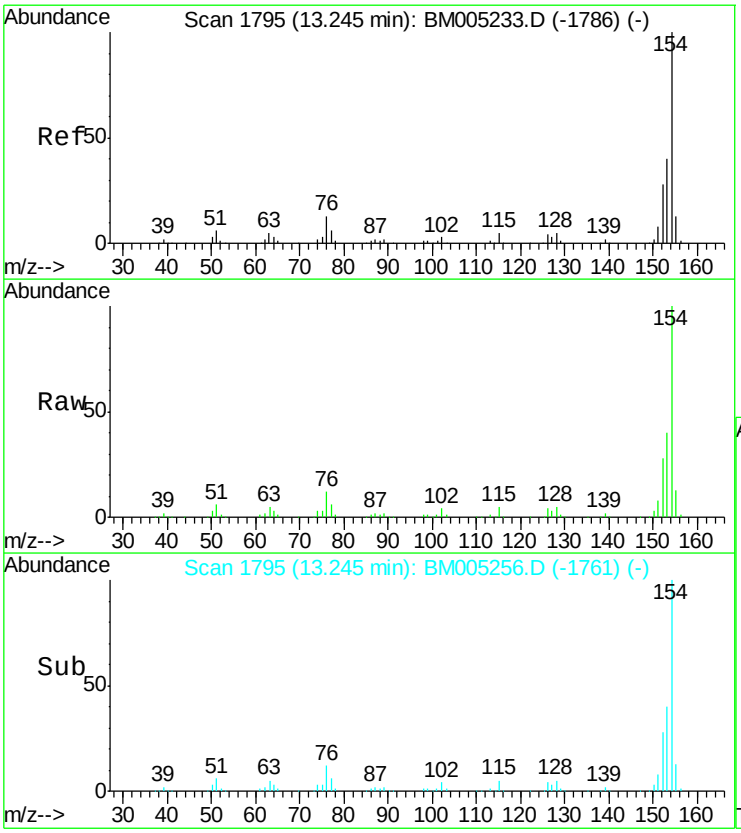
#34
2-Methylnaphthalene
Concen: 85.69 ng/ul
RT: 12.23 min Scan# 1623
Delta R.T. 0.01 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:142 Resp: 1495962

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

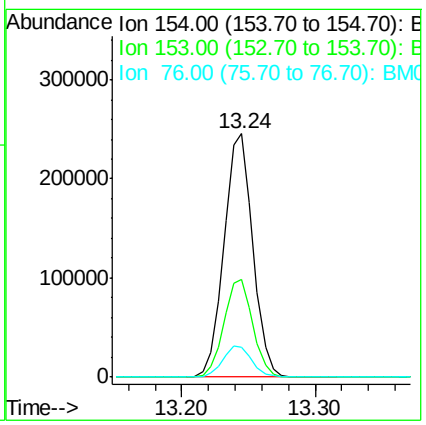


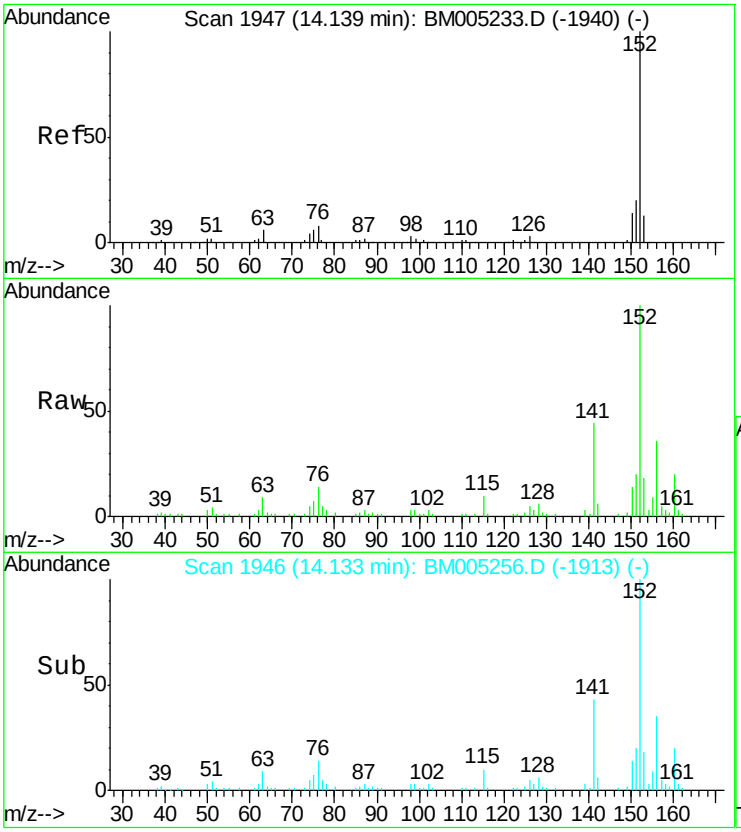


#40
1,1'-Biphenyl
Concen: 15.60 ng/ul
RT: 13.24 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:154 Resp: 370628

Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.1	48.1
76	12.5	10.6	15.8



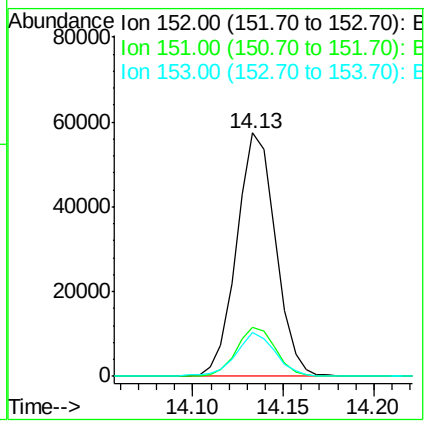


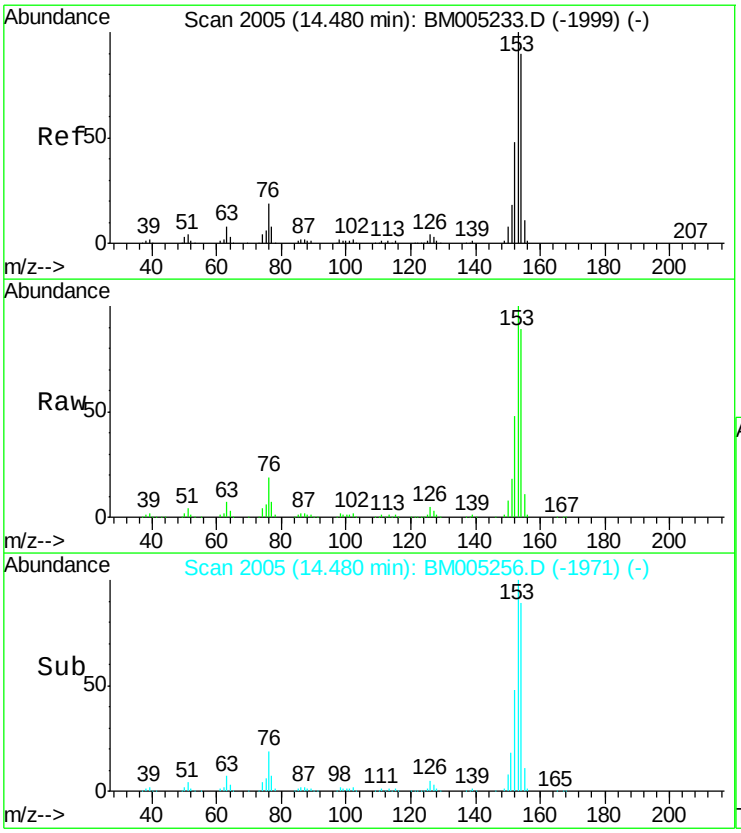
#47
Acenaphthylene
Concen: 2.88 ng/ul
RT: 14.13 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:152 Resp: 85921

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	18.2	10.3	15.5#

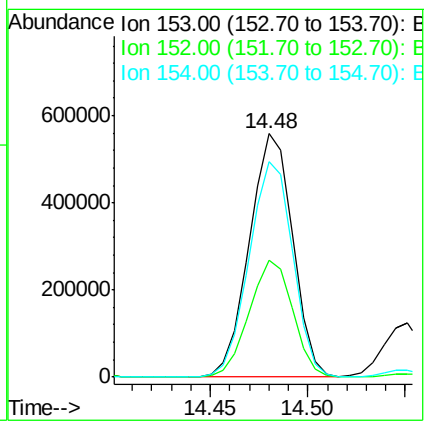


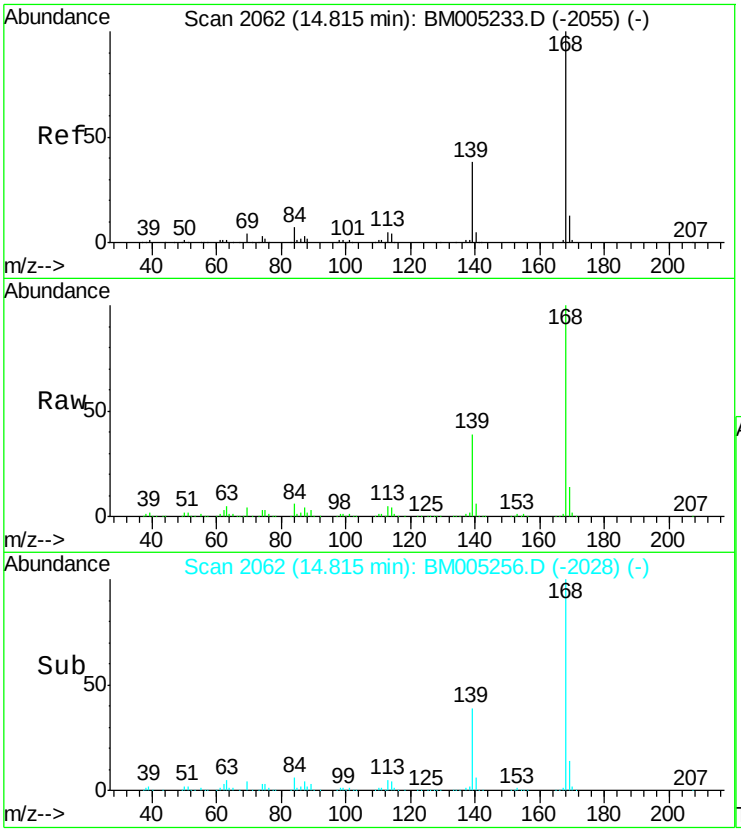


#49
Acenaphthene
Concen: 43.80 ng/ul
RT: 14.48 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:153 Resp: 861022

Ion	Ratio	Lower	Upper
153	100		
152	47.8	38.9	58.3
154	88.7	70.3	105.5



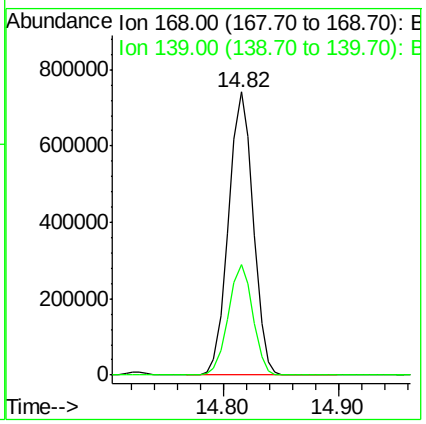


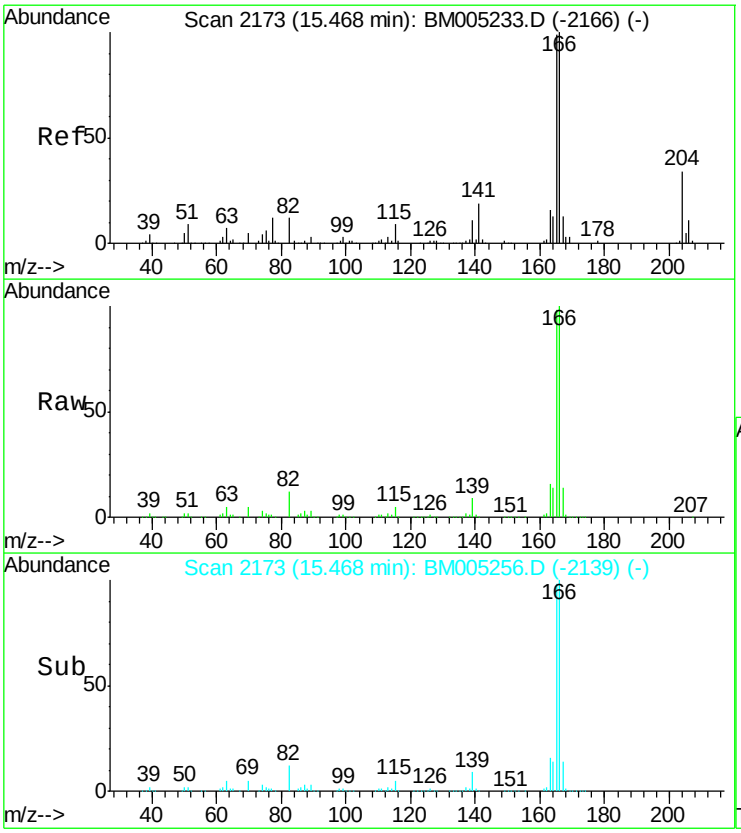
#53
Dibenzofuran
Concen: 38.55 ng/ul
RT: 14.82 min Scan# 2062
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:168 Resp: 1099756

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.3	45.5

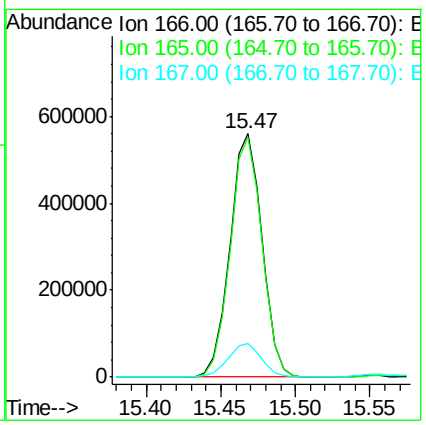


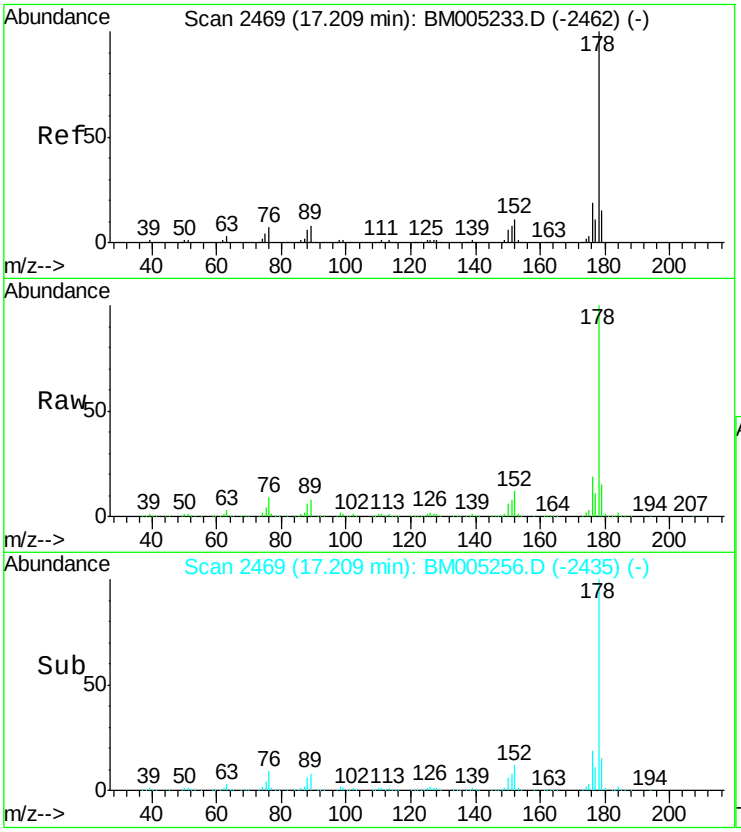


#58
Fluorene
Concen: 37.50 ng/ul
RT: 15.47 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:166 Resp: 836404

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.9	116.9
167	13.7	10.6	16.0



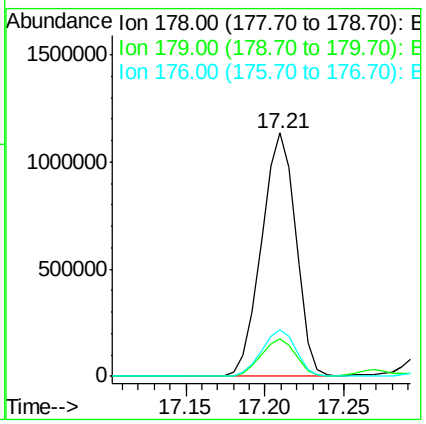


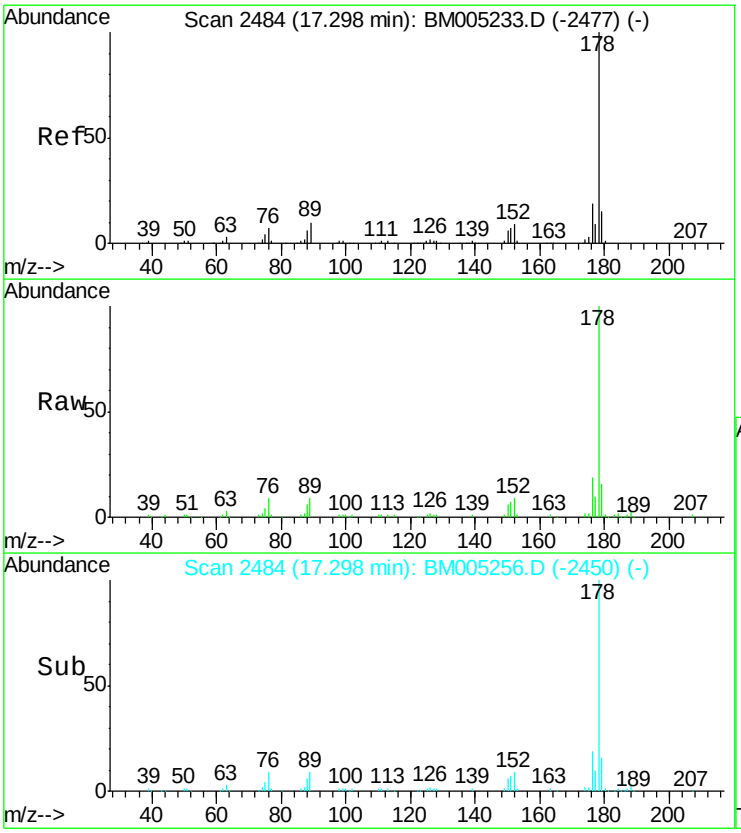
#69
Phenanthrene
Concen: 44.56 ng/ul
RT: 17.21 min Scan# 2469
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:178 Resp: 1719106

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.3	15.2	22.8

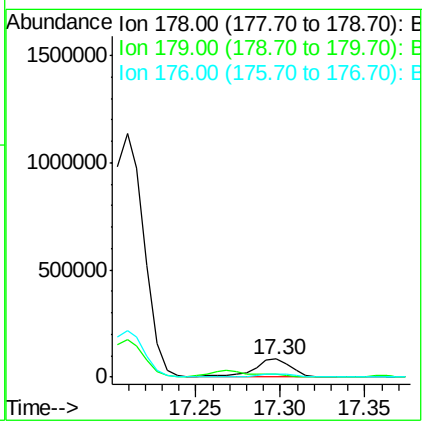


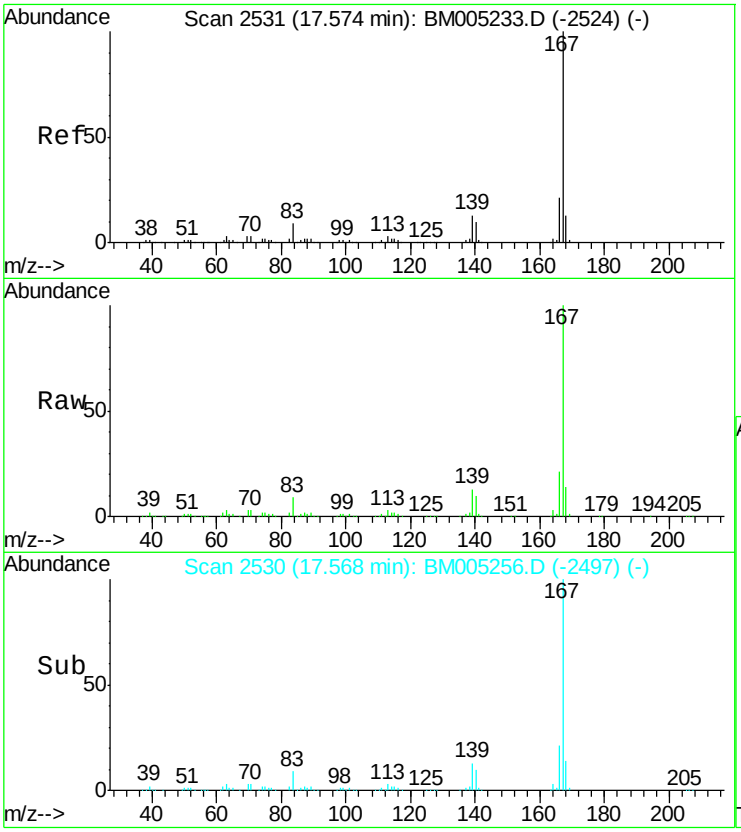


#71
Anthracene
Concen: 3.34 ng/ul
RT: 17.30 min Scan# 2484
Delta R.T. -0.00 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:178 Resp: 128441

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	19.2	15.1	22.7



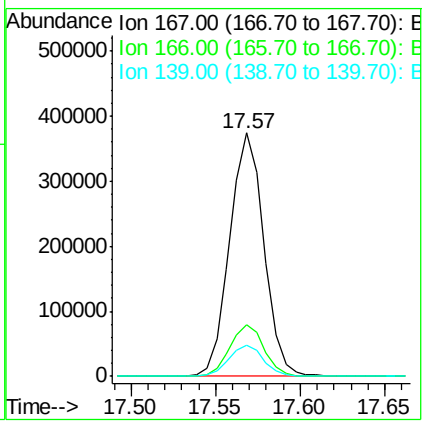


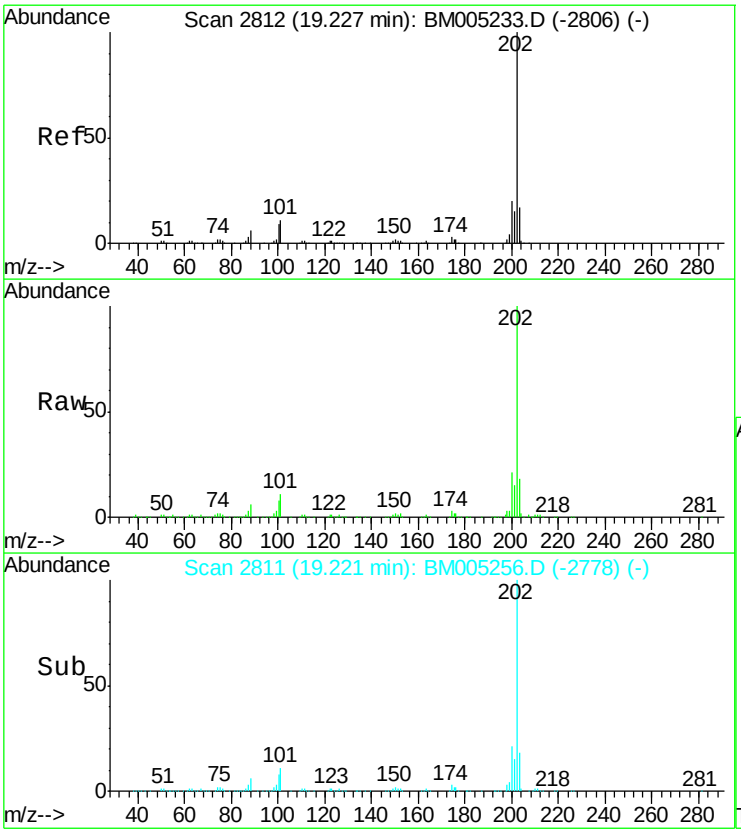
#72
Carbazole
Concen: 15.60 ng/ul
RT: 17.57 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:167 Resp: 527911

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.8	10.2	15.2

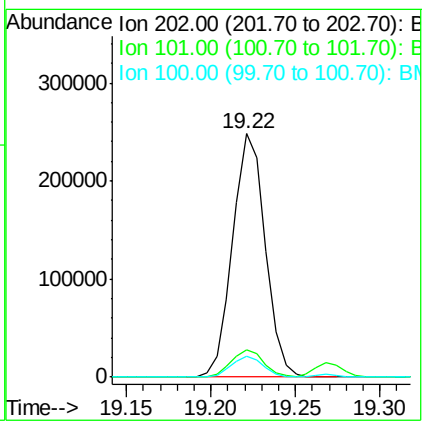


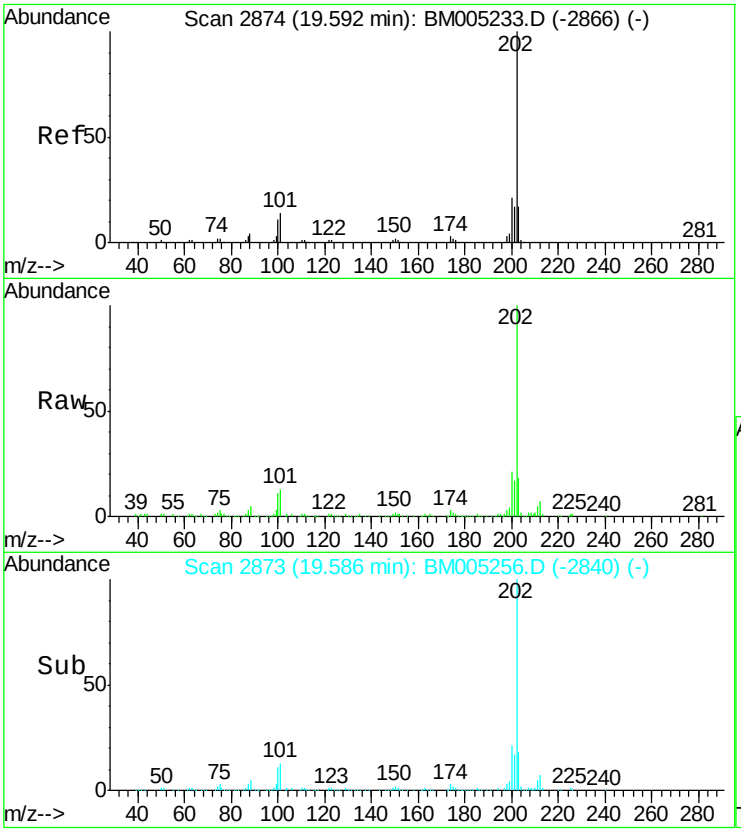


#74
Fluoranthene
Concen: 7.83 ng/ul
RT: 19.22 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:202 Resp: 334458

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.2	13.8
100	8.5	7.1	10.7





#77
Pyrene
Concen: 3.98 ng/ul
RT: 19.59 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:202 Resp: 203047

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.8	16.2
100	10.9	8.4	12.6