Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005602.D
Acq On : 23 May 2016 00:30
Operator : UM/SJ
Sample : H3124-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGG0

Quant Time: May 23 05:36:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	173524	20.00	ng/ul	0.01
18) Naphthalene-d8	10.61	136	757400	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	399283	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	855932	20.00	ng/ul	0.02
75) Chrysene-d12	21.38	240	768052	20.00	ng/ul	0.02
83) Perylene-d12	23.67	264	698995	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	14333	3.62	ng/uL	0.00
5) Phenol-d5	7.00	99	356430	25.06	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	207186	25.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	294033	24.78	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	287963	24.71	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	144754	25.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	155043	24.32	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	287041	23.91	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	285464	23.74	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	800353	24.56	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1049068	25.75	ng/ul	0.01
51) 4-Nitrophenol-d4	14.67	143	127930	20.75	ng/ul	0.02
57) Fluorene-d10	15.45	176	719022	25.35	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.57	200	33073	6.72	ng/ul	0.02
70) Anthracene-d10	17.30	188	1096339	26.89	ng/ul	0.02
76) Pyrene-d10	19.59	212	1159619	33.34	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.52	264	850857	26.07	ng/ul	0.02
Target Compounds						Qvalue
28) Naphthalene	10.66	128	177645	4.67	ng/ul	100
34) 2-Methylnaphthalene	12.27	142	117660	4.23	ng/ul	99
40) 1,1'-Biphenyl	13.29	154	45814	1.37	ng/ul	99
44) Dimethylphthalate	13.91	163	166810	5.18	ng/ul#	97
47) Acenaphthylene	14.18	152	193733	4.68	ng/ul	94
49) Acenaphthene	14.52	153	79123	2.90	ng/ul	99
53) Dibenzofuran	14.86	168	80219	2.06	ng/ul	91
58) Fluorene	15.50	166	210036	6.73	ng/ul	98
64) N-Nitrosodiphenylamine	15.72	169	53629	2.06	ng/ul#	49
69) Phenanthrene	17.24	178	2047978	42.81	ng/ul	98
71) Anthracene	17.33	178	546388	11.21	ng/ul	98
72) Carbazole	17.60	167	99574	2.35	ng/ul#	78
74) Fluoranthene	19.26	202	2334878	43.36	ng/ul	99
77) Pyrene	19.63	202	2588865	58.63	ng/ul	98
80) Benzo(a)anthracene	21.41	228	981769	21.75	ng/ul	92
81) Bis(2-ethylhexyl)phthalate	21.28	149	27959	1.06	ng/ul#	80
82) Chrysene	21.41	228	981769	22.86	ng/ul	96
85) Benzo(b)fluoranthene	22.98	252	911538	22.11	ng/ul#	86
86) Benzo(k)fluoranthene	22.98	252	911538	23.36	ng/ul#	87
88) Benzo(a)pyrene	23.57	252	815584	20.39	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.99	276	506631	10.67	ng/ul	99
90) Dibenzo(a,h)anthracene	25.99	278	112583	2.85	ng/ul#	69
91) Benzo(g,h,i)perylene	26.70	276	493111	12.35	ng/ul	93

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005602.D
Acq On : 23 May 2016 00:30
Operator : UM/SJ
Sample : H3124-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG0

Quant Time: May 23 05:36:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005602.D
Acq On : 23 May 2016 00:30
Operator : UM/SJ
Sample : H3124-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
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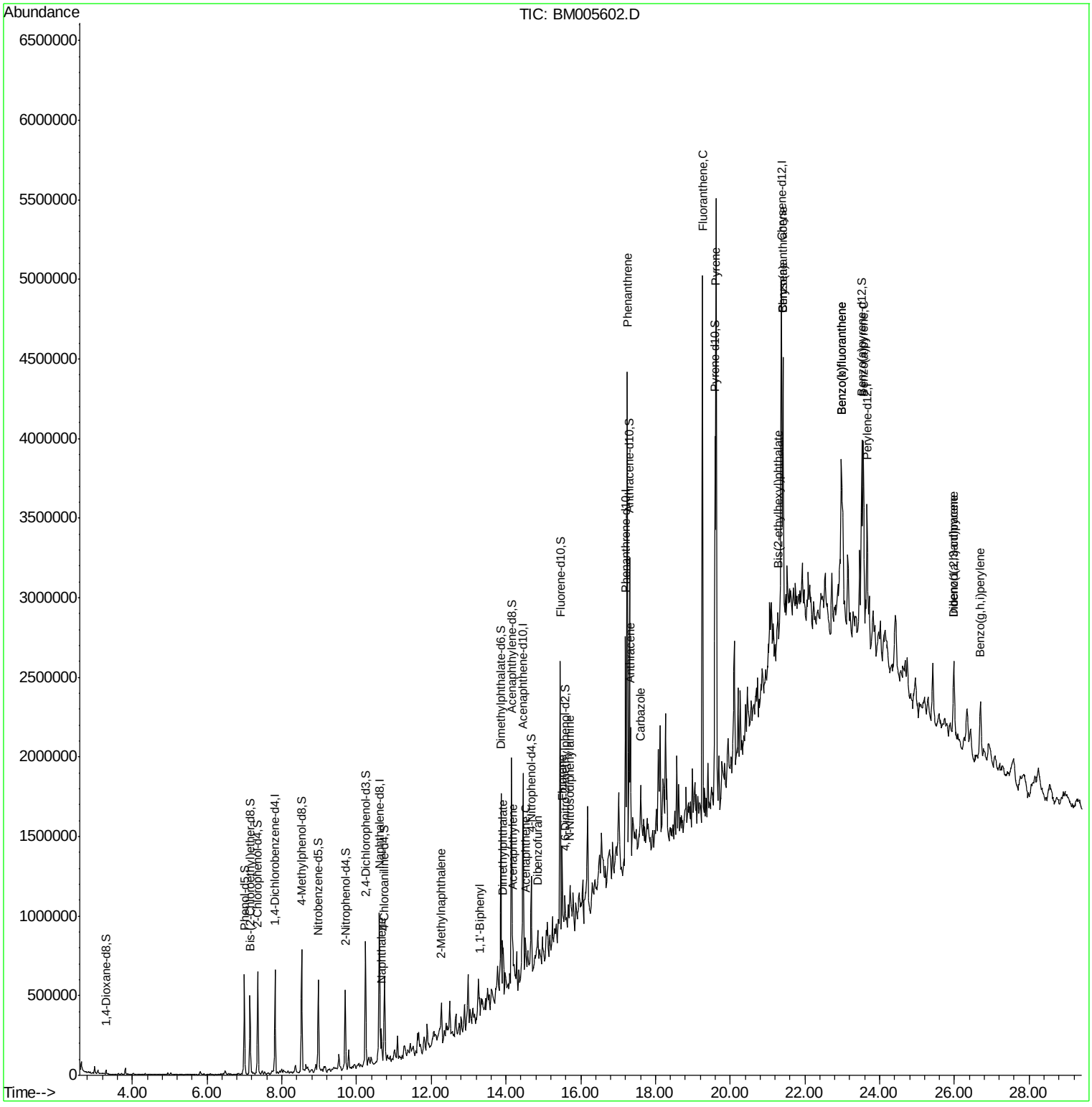
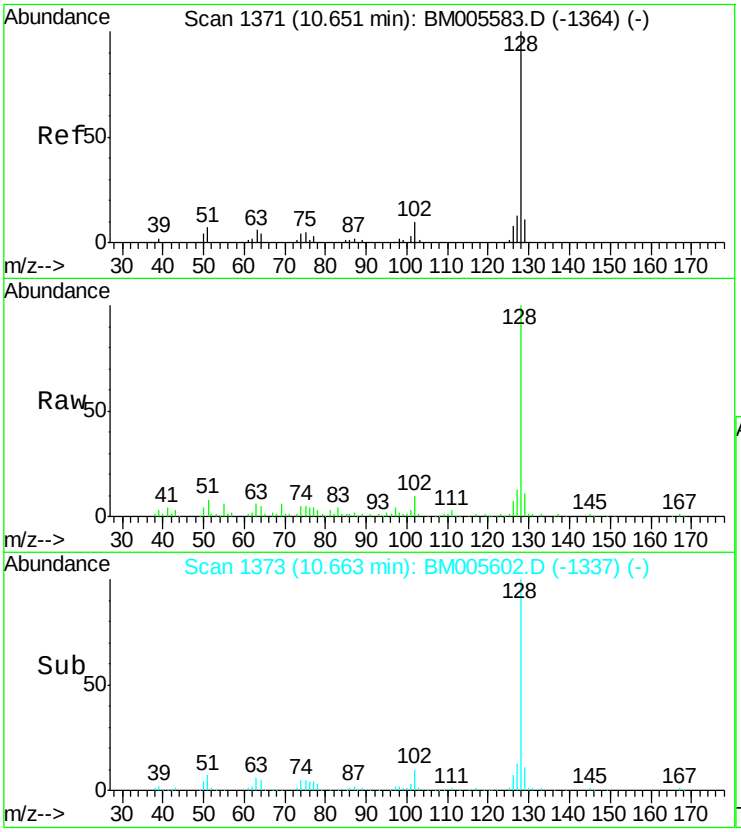
Quant Time: May 23 05:36:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration



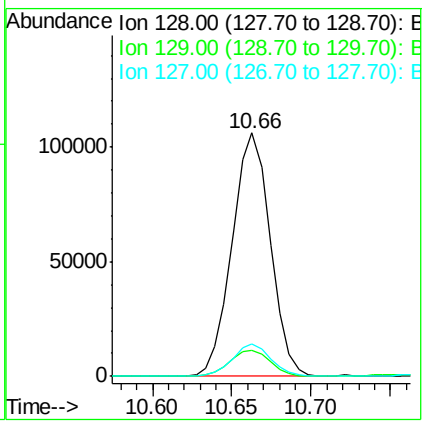


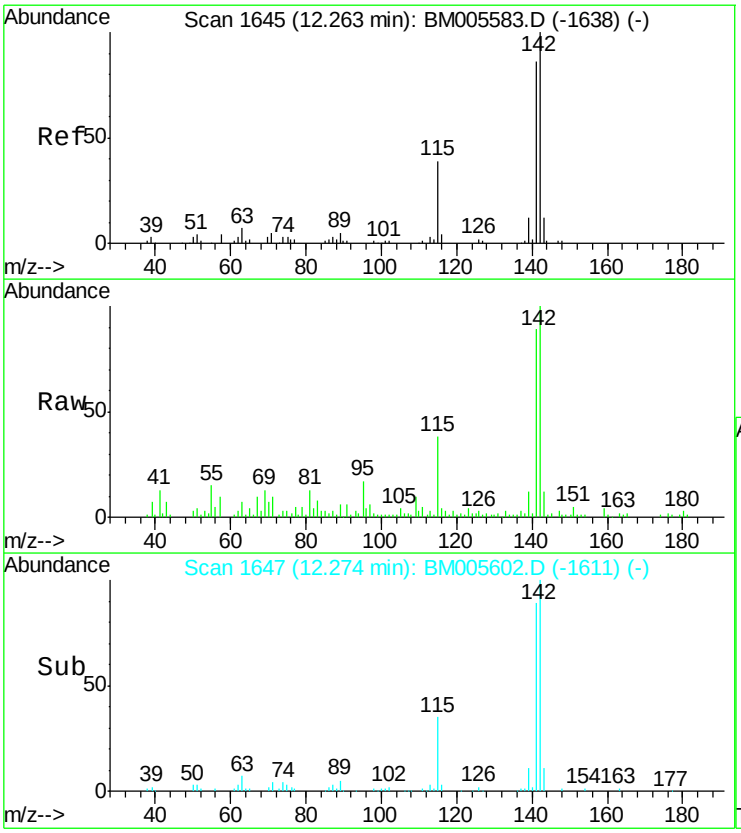
#28
Naphthalene
Concen: 4.67 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:128 Resp: 177645

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.6	15.8

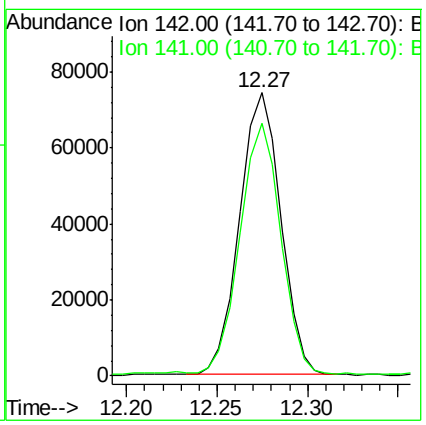


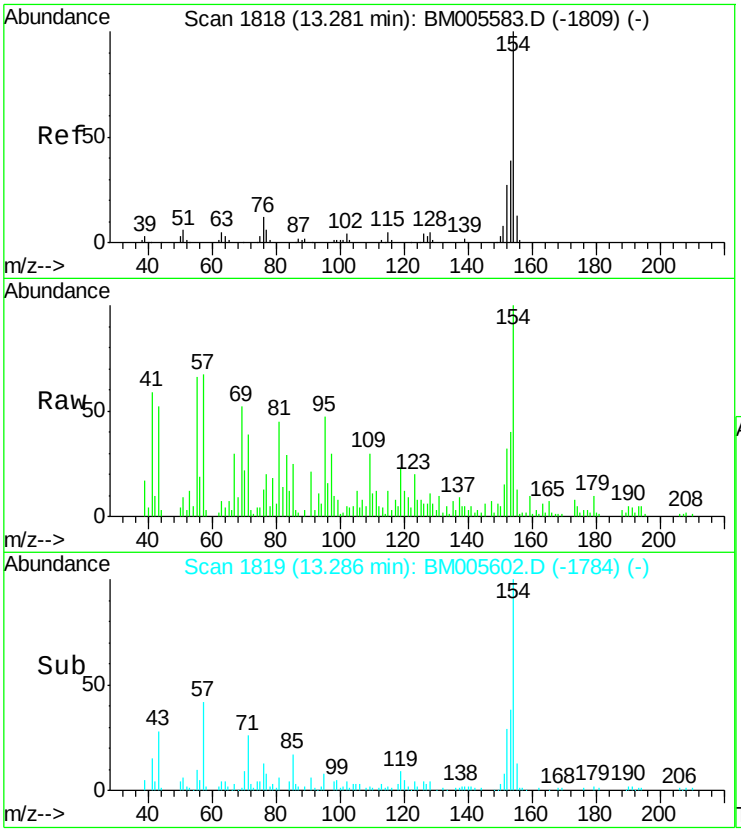


#34
2-Methylnaphthalene
Concen: 4.23 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:142 Resp: 117660

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.6	106.0



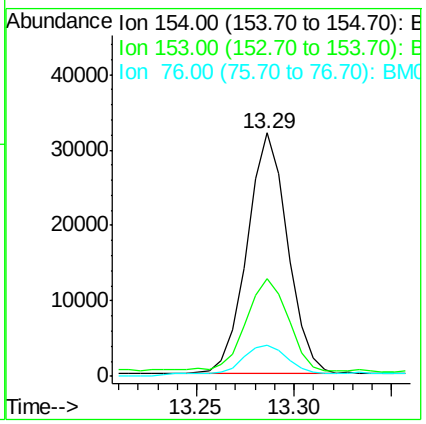


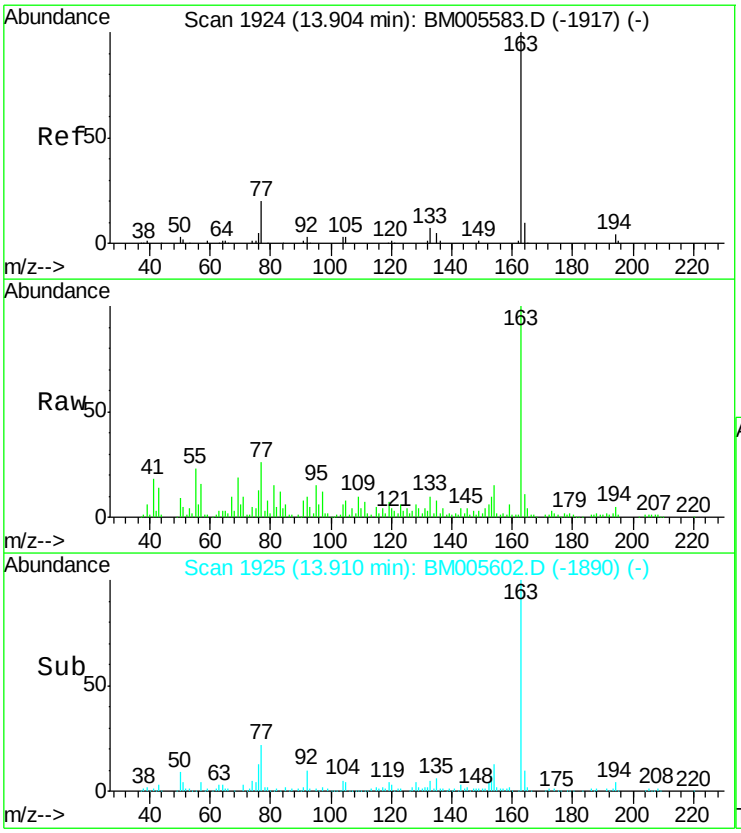
#40
1,1'-Biphenyl
Concen: 1.37 ng/ul
RT: 13.29 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:154 Resp: 45814

Ion	Ratio	Lower	Upper
154	100		
153	40.0	31.7	47.5
76	12.7	10.1	15.1

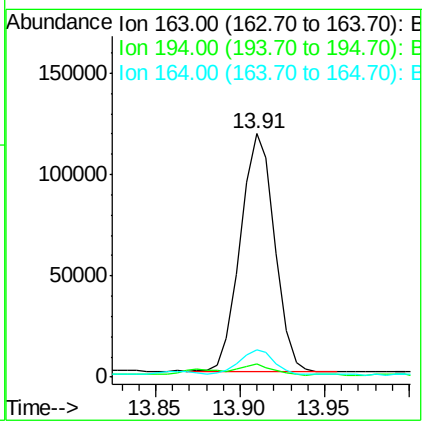


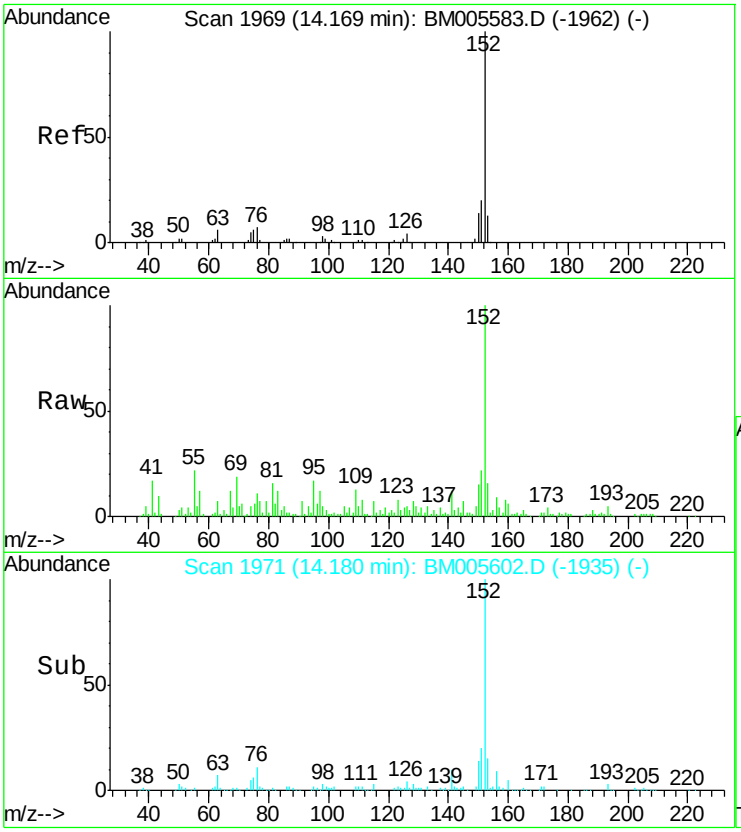


#44
Dimethylphthalate
Concen: 5.18 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:163 Resp: 166810

Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.4	5.0#
164	11.1	8.0	12.0



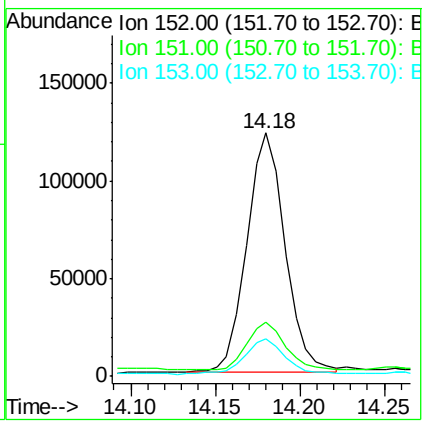


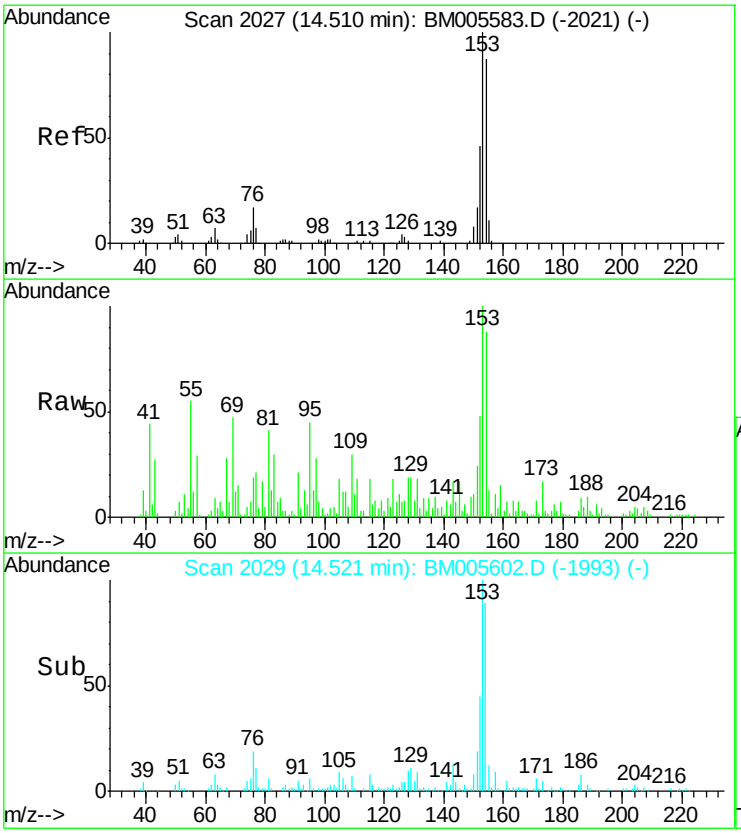
#47
Acenaphthylene
Concen: 4.68 ng/ul
RT: 14.18 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:152 Resp: 193733

Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.7	23.5
153	15.6	10.5	15.7

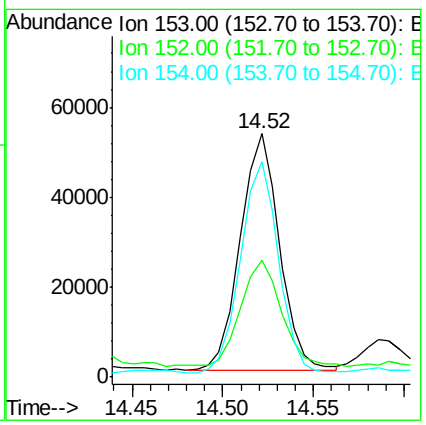


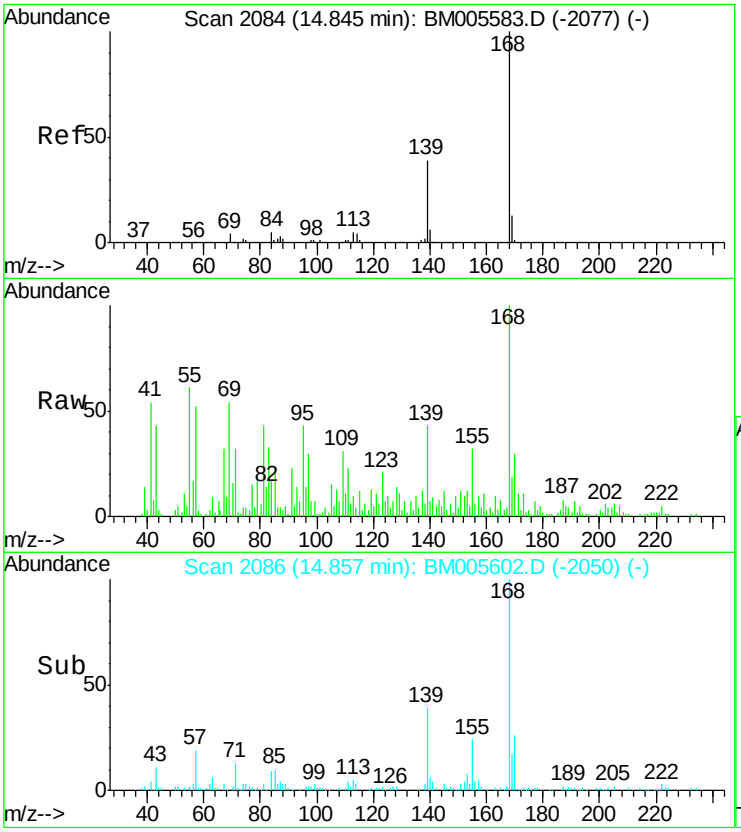


#49
Acenaphthene
Concen: 2.90 ng/ul
RT: 14.52 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:153 Resp: 79123

Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.8	56.6
154	88.4	71.1	106.7



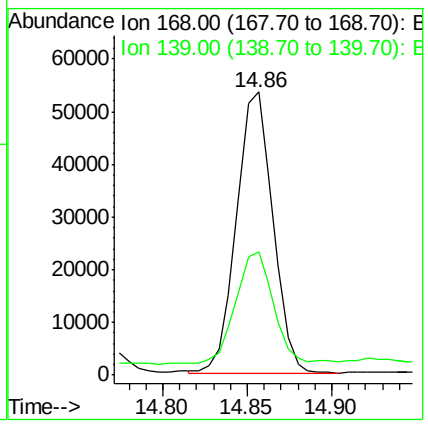


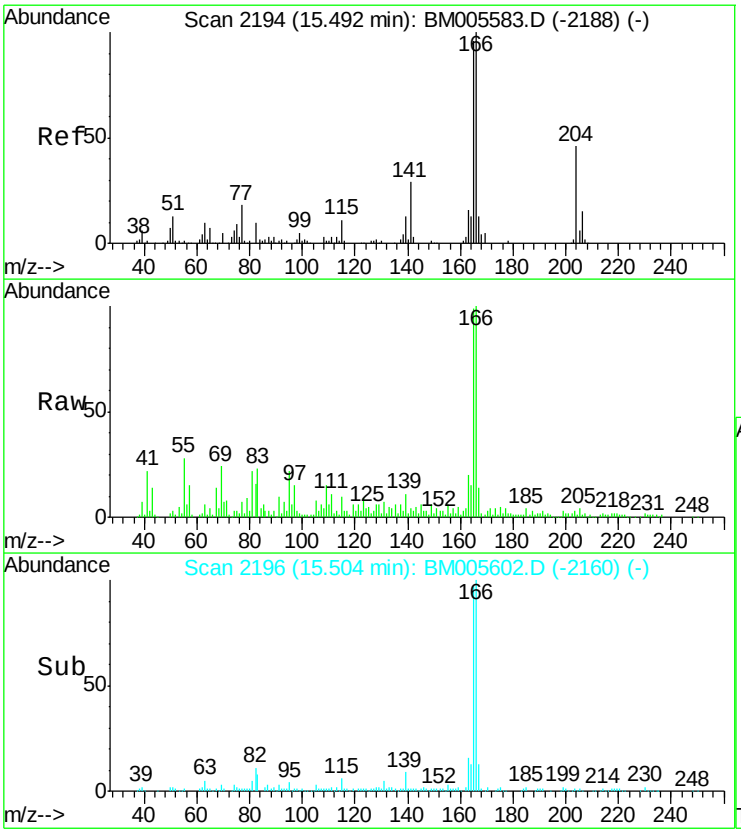
#53
Dibenzofuran
Concen: 2.06 ng/ul
RT: 14.86 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:168 Resp: 80219

Ion	Ratio	Lower	Upper
168	100		
139	43.5	30.6	46.0

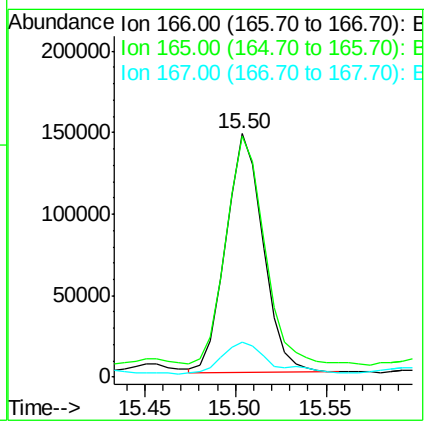


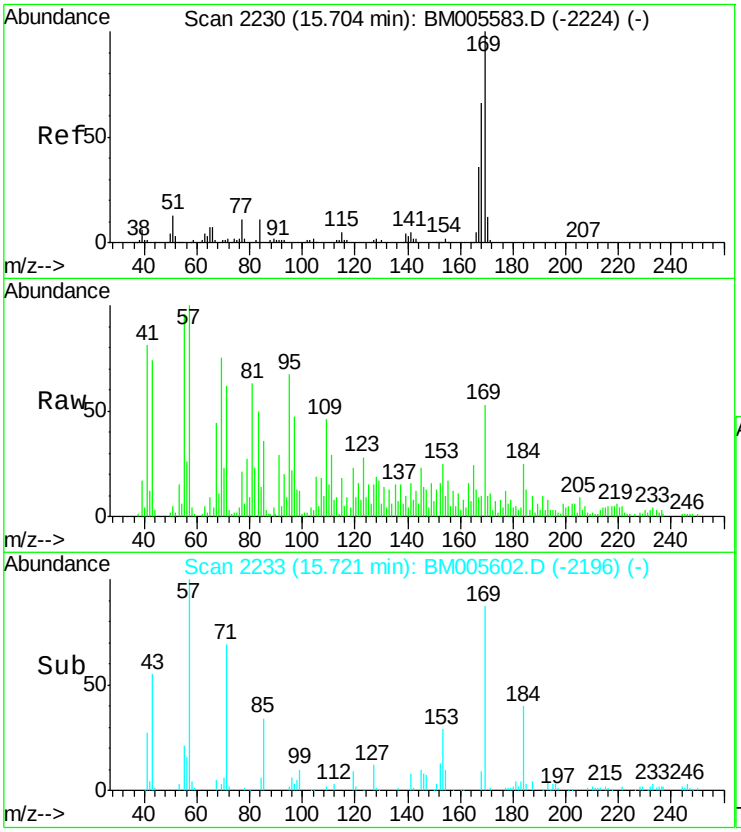


#58
Fluorene
Concen: 6.73 ng/ul
RT: 15.50 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:166 Resp: 210036

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.0	117.0
167	14.3	10.5	15.7



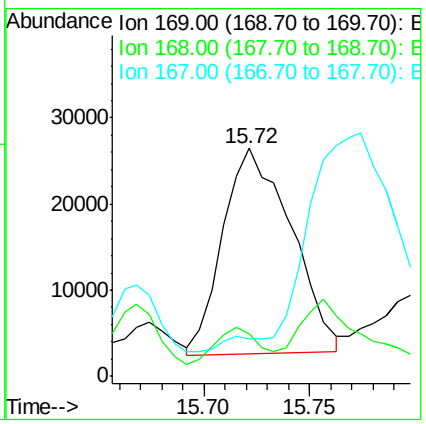


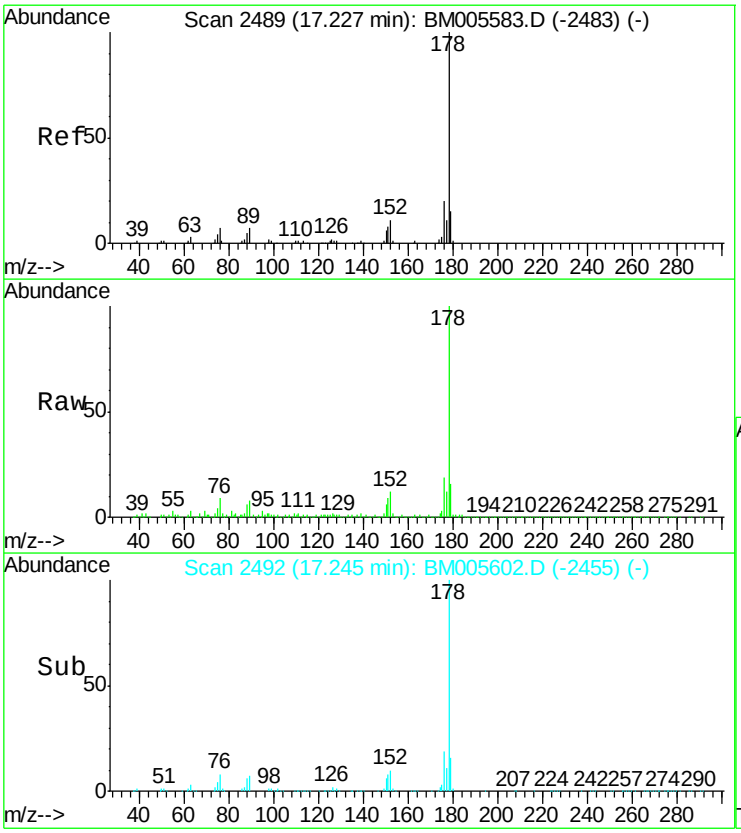
#64
N-Nitrosodiphenylamine
Concen: 2.06 ng/ul
RT: 15.72 min Scan# 2233
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:169 Resp: 53629

Ion	Ratio	Lower	Upper
169	100		
168	18.9	53.2	79.8#
167	16.3	28.9	43.3#

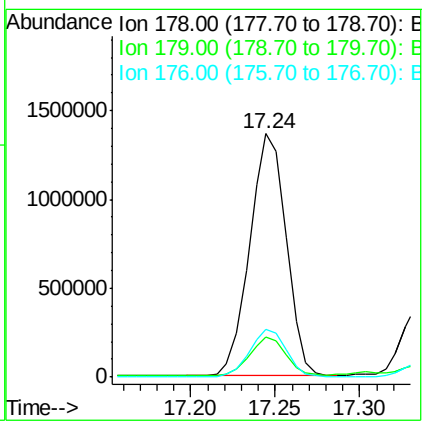


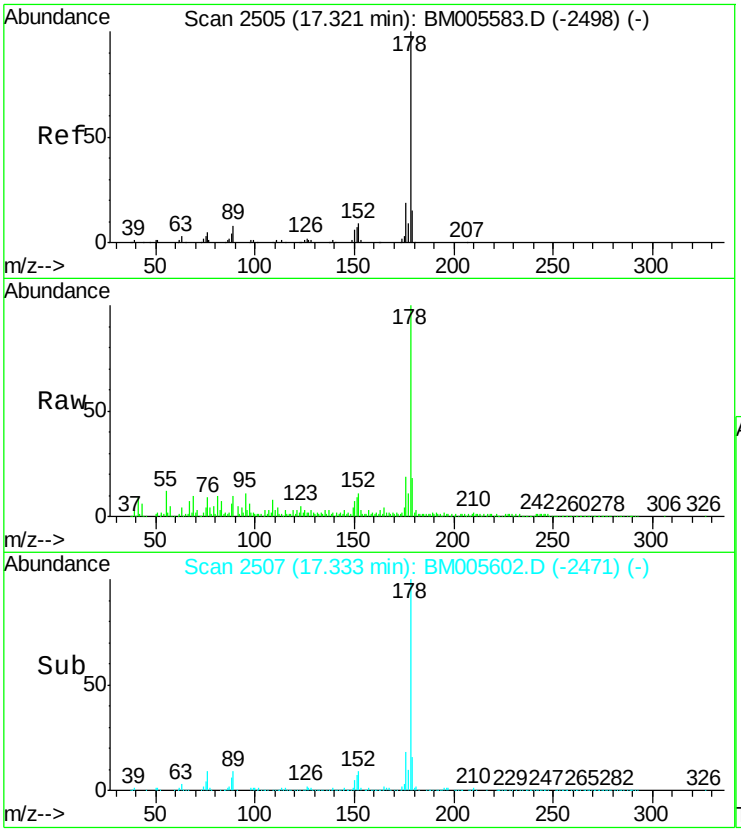


#69
Phenanthrene
Concen: 42.81 ng/ul
RT: 17.24 min Scan# 2492
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:178 Resp: 2047978

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.2	18.2
176	19.4	15.8	23.6



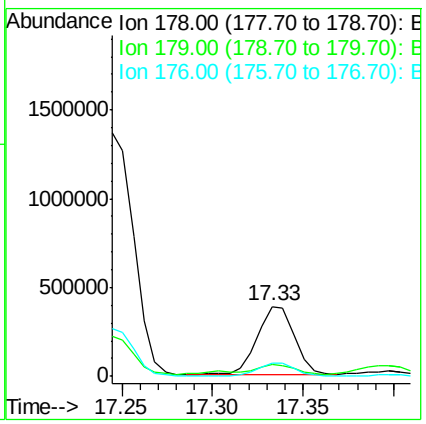


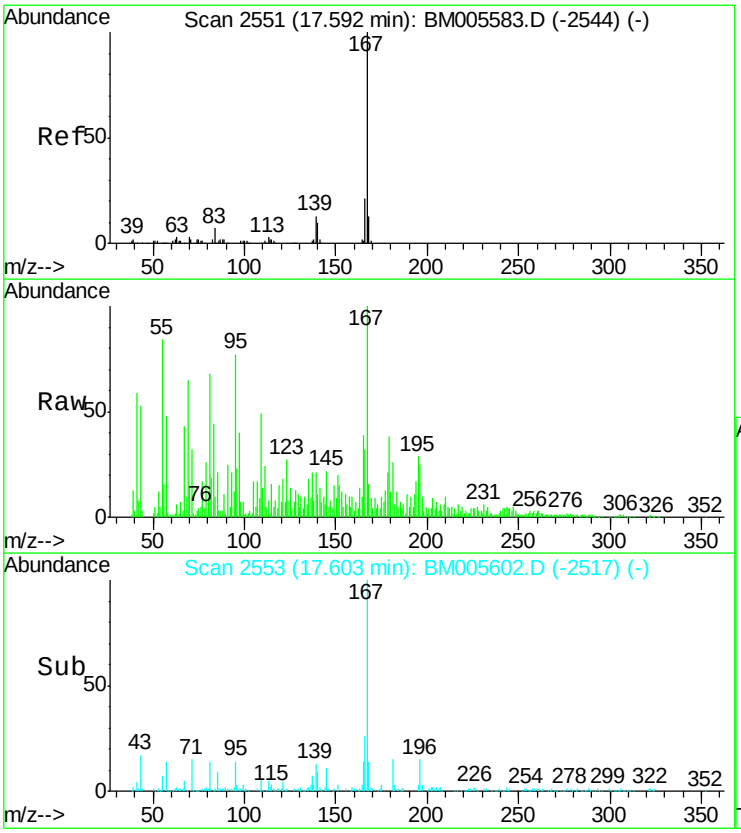
#71
Anthracene
Concen: 11.21 ng/ul
RT: 17.33 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:178 Resp: 546388

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.6	18.8
176	18.9	15.0	22.4

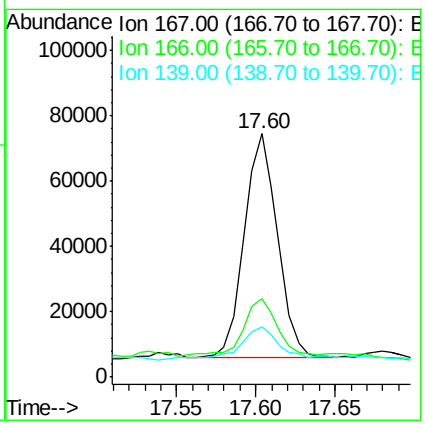


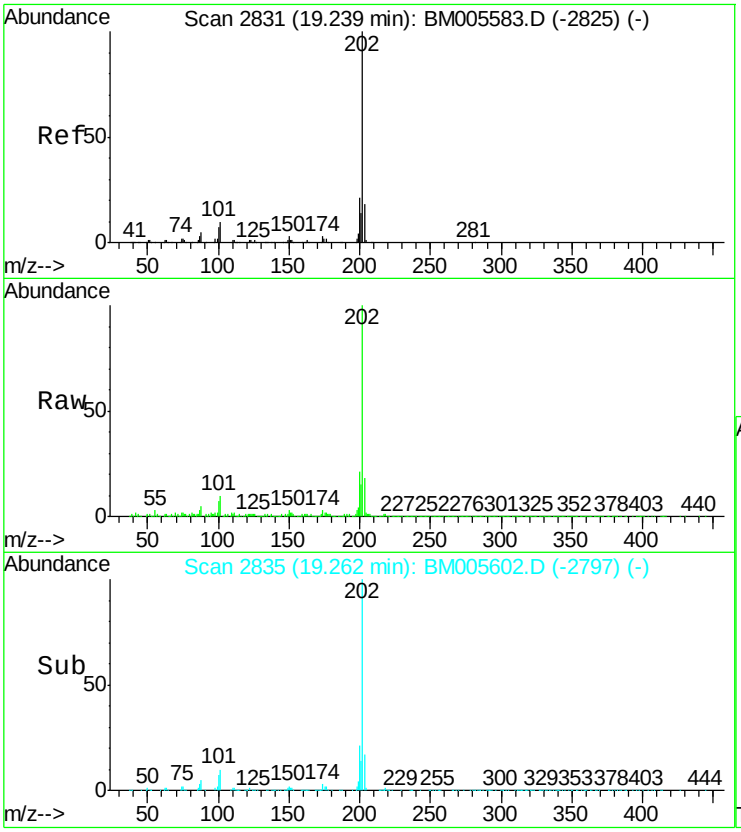


#72
Carbazole
Concen: 2.35 ng/ul
RT: 17.60 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:167 Resp: 99574

Ion	Ratio	Lower	Upper
167	100		
166	32.2	16.9	25.3#
139	20.5	10.6	16.0#



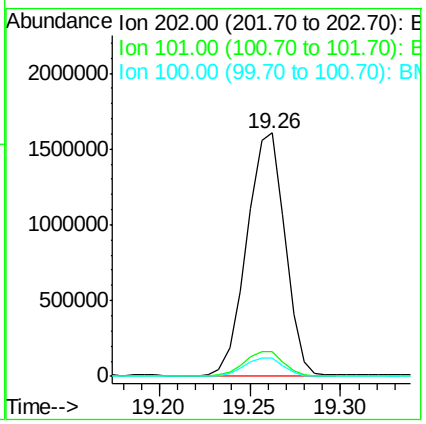


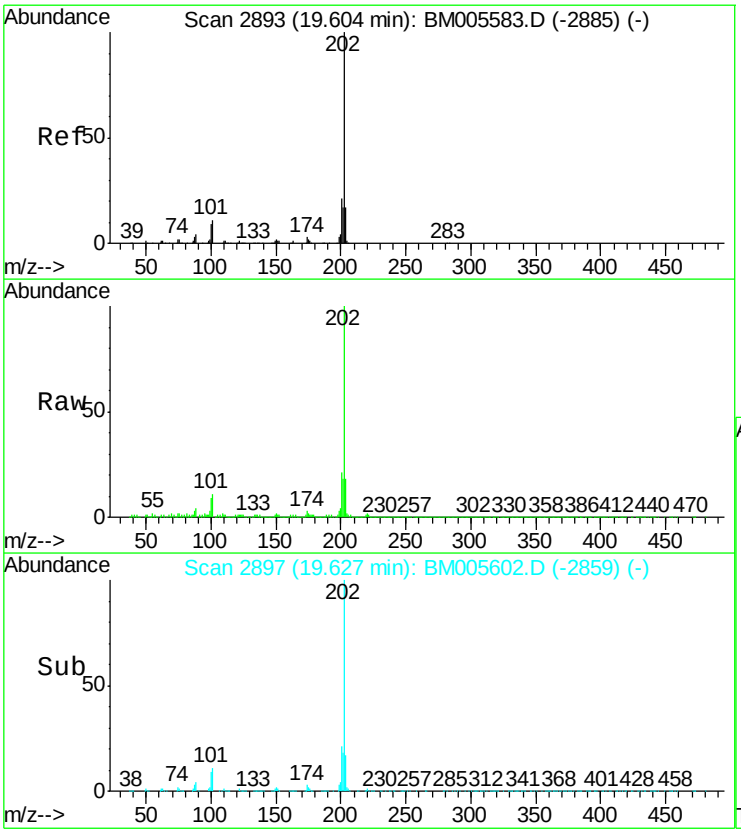
#74
Fluoranthene
Concen: 43.36 ng/ul
RT: 19.26 min Scan# 2835
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:202 Resp: 2334878

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.9	11.9
100	7.5	5.6	8.4

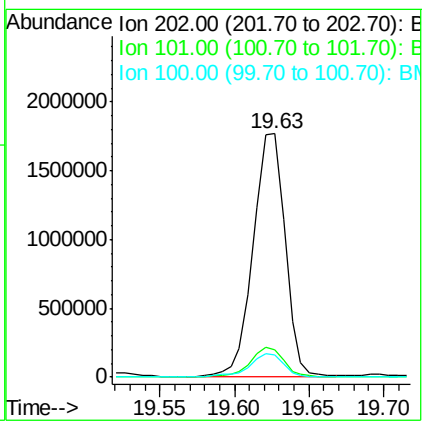


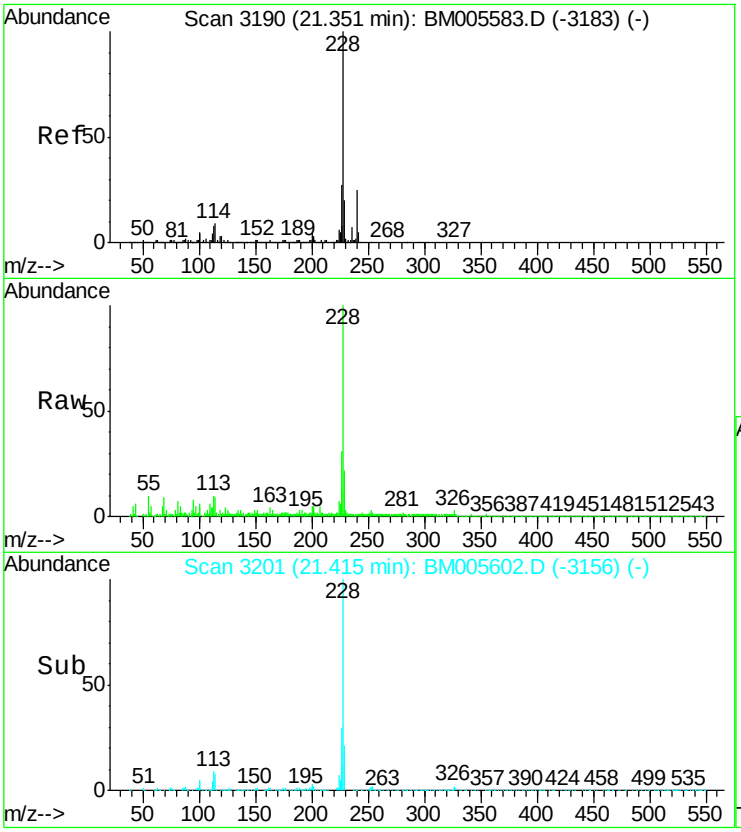


#77
Pyrene
Concen: 58.63 ng/ul
RT: 19.63 min Scan# 2897
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:202 Resp: 2588865

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.6	14.4
100	9.1	7.8	11.6



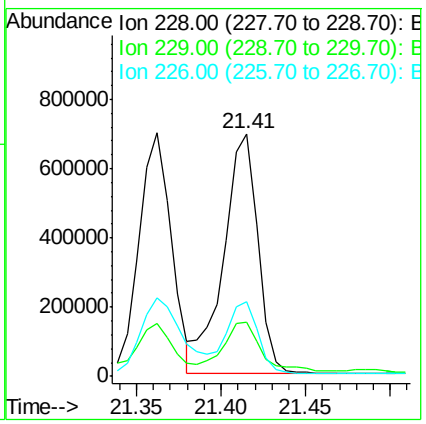


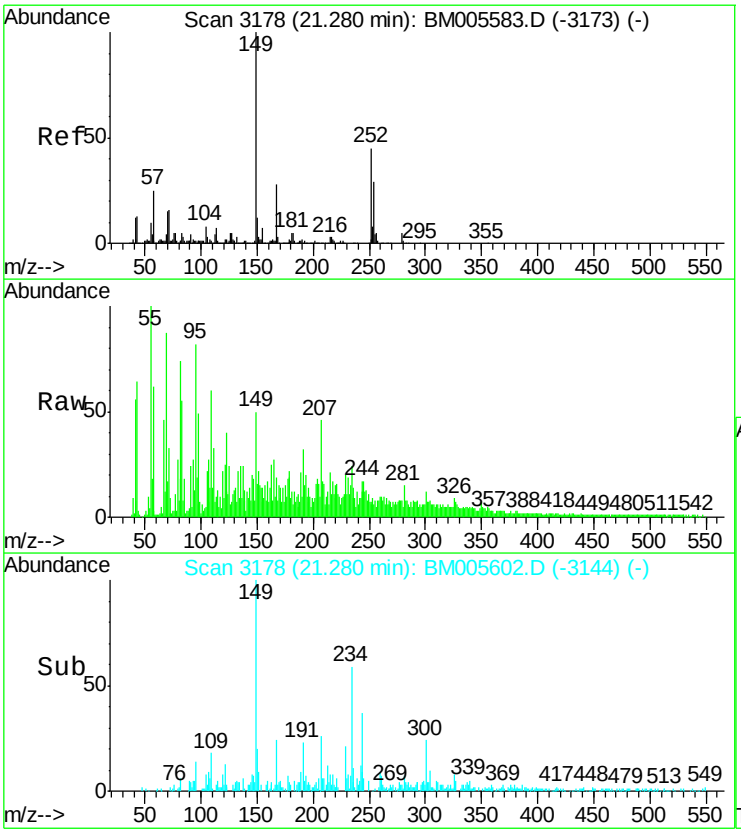
#80
Benzo(a)anthracene
Concen: 21.75 ng/ul
RT: 21.41 min Scan# 3201
Delta R.T. 0.06 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:228 Resp: 981769

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.4	23.2
226	30.6	21.0	31.4

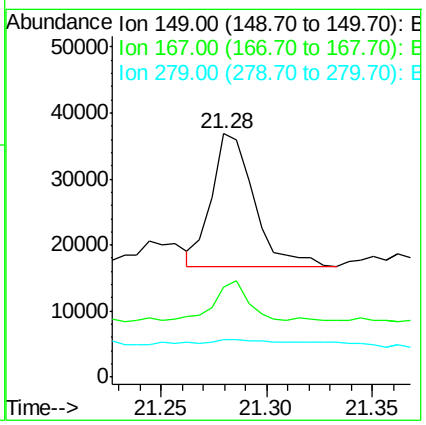


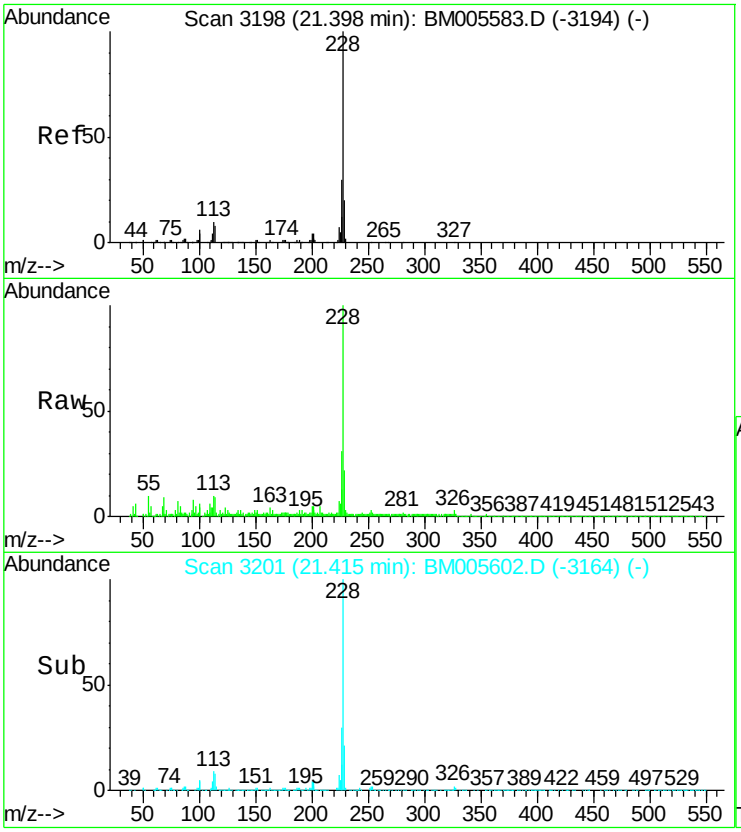


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.06 ng/ul
RT: 21.28 min Scan# 3178
Delta R.T. -0.00 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:149 Resp: 27959

Ion	Ratio	Lower	Upper
149	100		
167	37.1	22.0	33.0#
279	15.3	3.8	5.8#



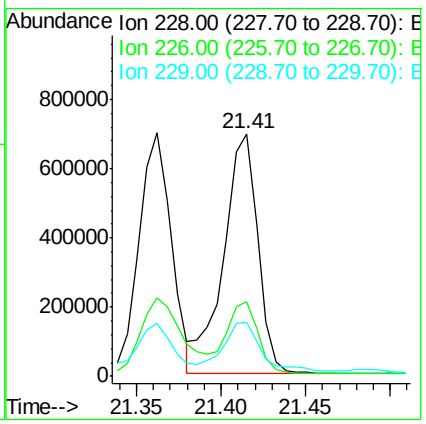


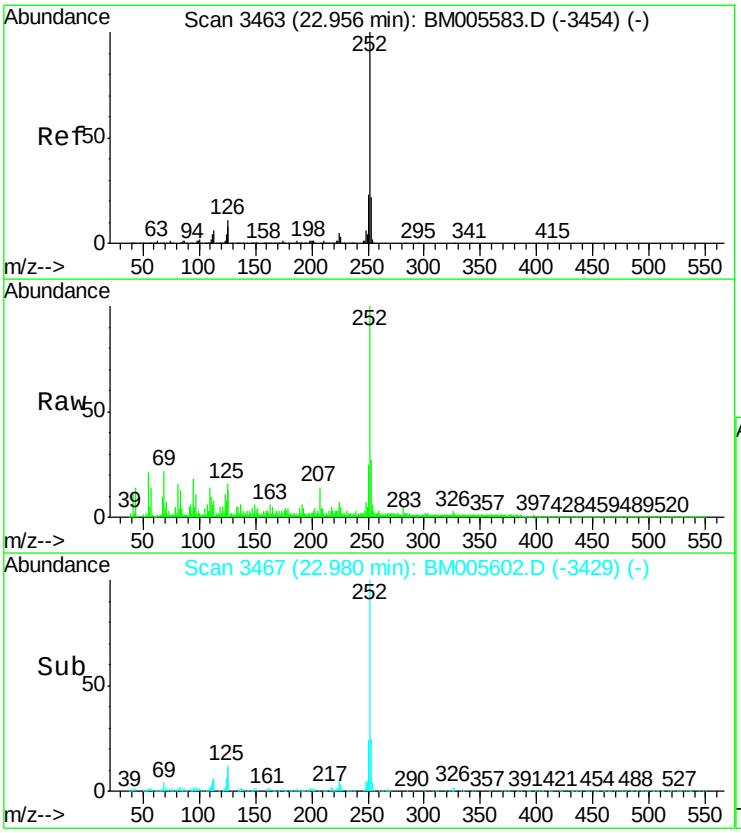
#82
Chrysene
Concen: 22.86 ng/ul
RT: 21.41 min Scan# 3201
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:228 Resp: 981769

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	22.2	15.5	23.3

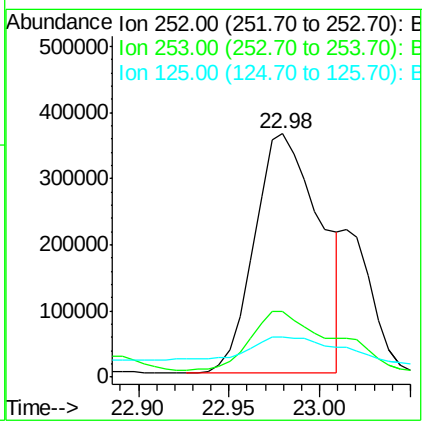


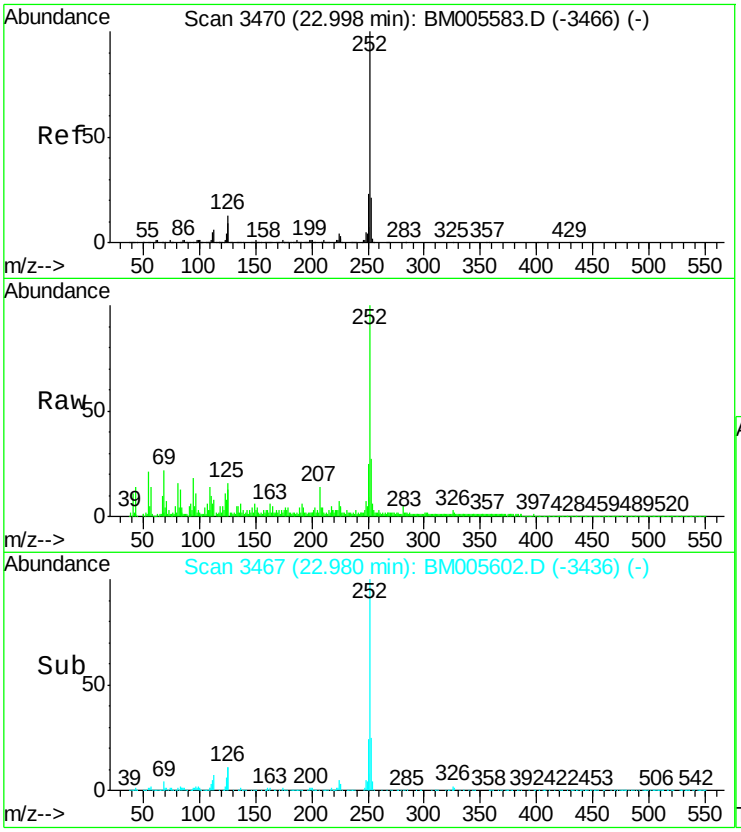


#85
Benzo(b)fluoranthene
Concen: 22.11 ng/ul
RT: 22.98 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:252 Resp: 911538

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.3	25.9#
125	16.5	7.0	10.4#



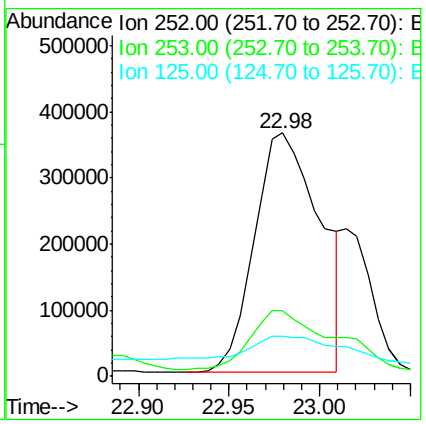


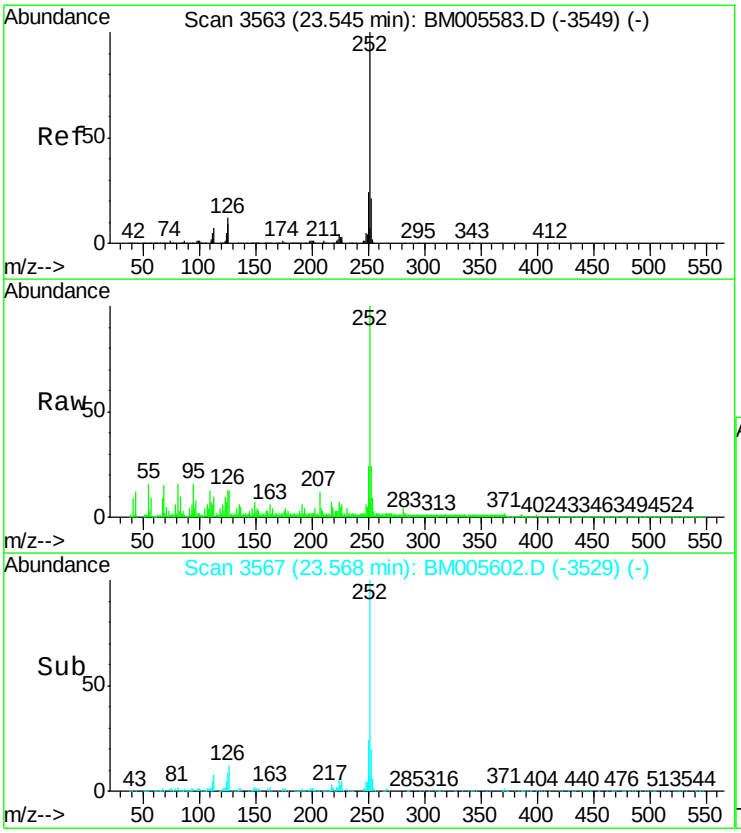
#86
Benzo(k)fluoranthene
Concen: 23.36 ng/ul
RT: 22.98 min Scan# 3467
Delta R.T. -0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:252 Resp: 911538

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	16.5	7.0	10.6#

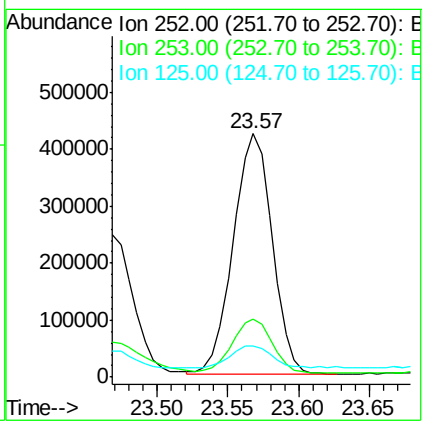


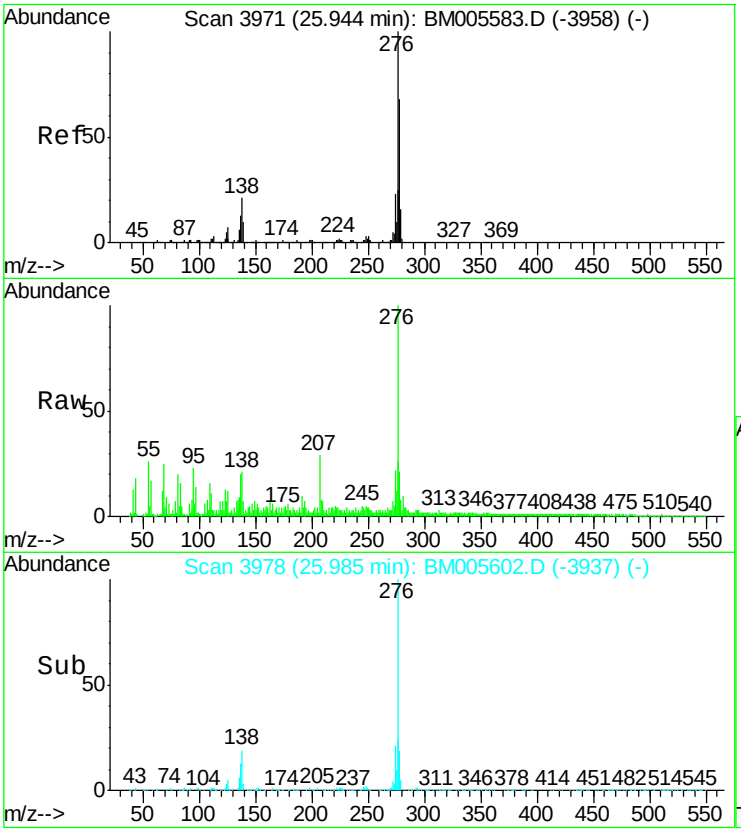


#88
Benzo(a)pyrene
Concen: 20.39 ng/ul
RT: 23.57 min Scan# 3567
Delta R.T. 0.02 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:252 Resp: 815584

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	12.8	7.6	11.4#



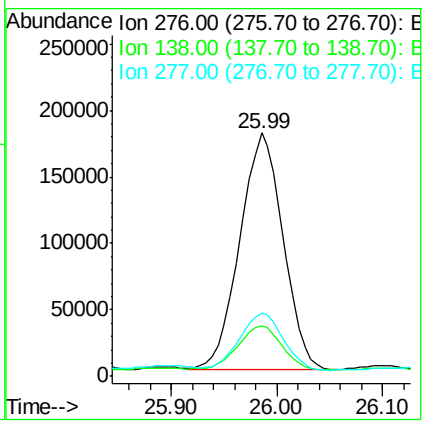


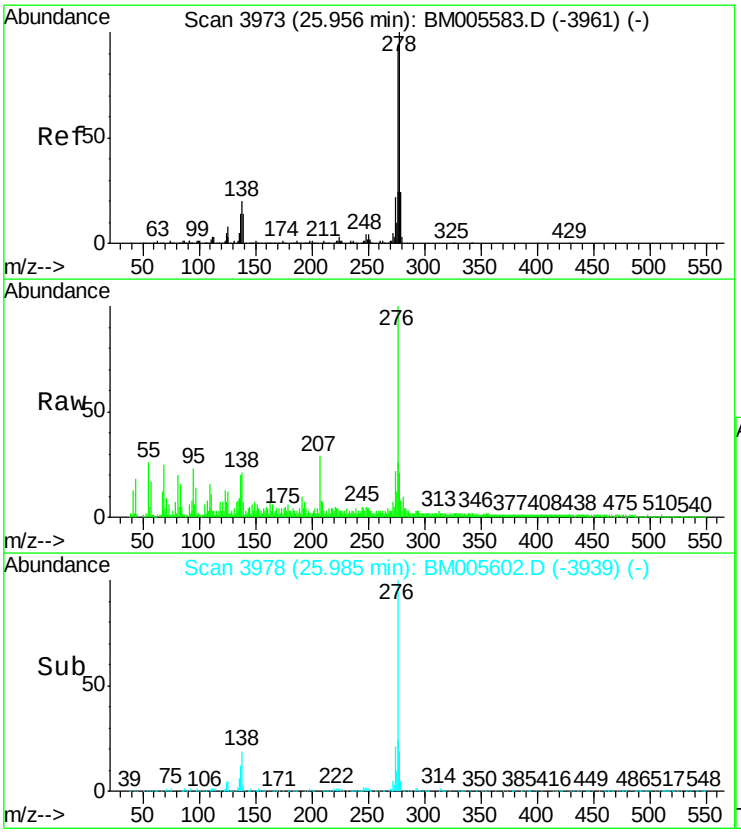
#89
Indeno(1,2,3-cd)pyrene
Concen: 10.67 ng/ul
RT: 25.99 min Scan# 3978
Delta R.T. 0.04 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:276 Resp: 506631

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.9	25.3
277	25.7	20.2	30.4

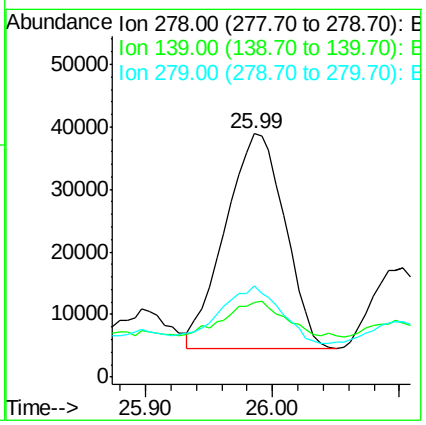


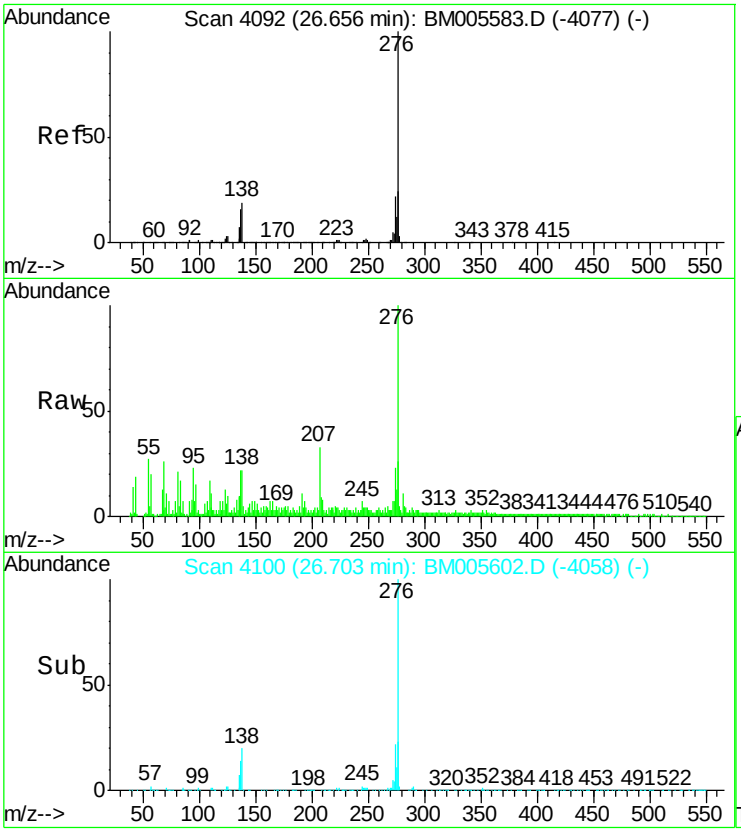


#90
Dibenzo(a,h)anthracene
Concen: 2.85 ng/ul
RT: 25.99 min Scan# 3978
Delta R.T. 0.03 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Tgt Ion:278 Resp: 112583

Ion	Ratio	Lower	Upper
278	100		
139	30.7	11.8	17.6#
279	37.7	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 12.35 ng/ul
RT: 26.70 min Scan# 4100
Delta R.T. 0.05 min
Lab File: BM005602.D
Acq: 23 May 2016 00:30

Instrument :
BNA_M
ClientSampleId :
JHGG0

Tgt Ion:276 Resp: 493111

Ion	Ratio	Lower	Upper
276	100		
138	22.4	15.0	22.6
277	26.0	18.6	28.0