Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
Data File : BM000159.D
Acq On : 09 Jan 2015 15:29
Operator : TP/IZ
Sample : MDL-04-S
Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jan 09 22:11:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 10:41:47 2015
Response via : Initial Calibration

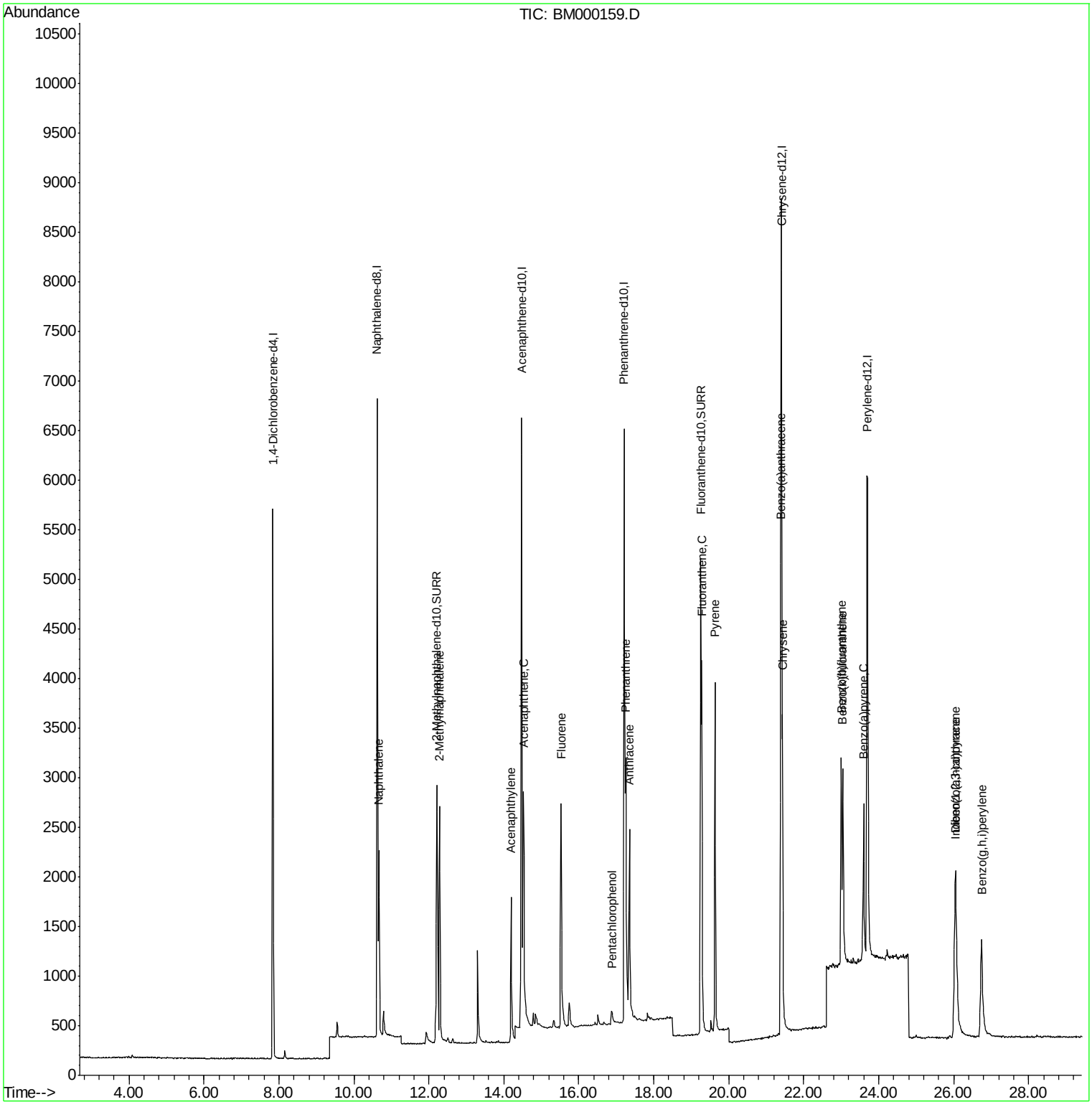
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2793	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9272	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	5728	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10757	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9303	0.40	ng/ul	0.00
20) Perylene-d12	23.69	264	8504	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.21	152	4295	0.35	ng/ul	-0.01
14) Fluoranthene-d10	19.25	212	6852	0.30	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.67	128	2665	0.11	ng/ul#	94
5) 2-Methylnaphthalene	12.28	142	1701	0.10	ng/ul	99
7) Acenaphthylene	14.19	152	2772	0.10	ng/ul#	92
8) Acenaphthene	14.52	153	1809	0.10	ng/ul#	83
9) Fluorene	15.52	166	2105	0.10	ng/ul#	98
11) Pentachlorophenol	16.89	266	266	0.16	ng/ul#	78
12) Phenanthrene	17.26	178	3232	0.10	ng/ul#	93
13) Anthracene	17.35	178	3073	0.10	ng/ul#	93
15) Fluoranthene	19.27	202	3754	0.10	ng/ul	96
17) Pyrene	19.64	202	3915	0.10	ng/ul#	96
18) Benzo(a)anthracene	21.39	228	2978	0.10	ng/ul	97
19) Chrysene	21.44	228	3430	0.10	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	3228	0.10	ng/ul	82
22) Benzo(k)fluoranthene	23.04	252	3222	0.10	ng/ul#	86
23) Benzo(a)pyrene	23.60	252	3018	0.10	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.03	276	3399	0.10	ng/ul	98
25) Dibenzo(a,h)anthracene	26.06	278	2614	0.10	ng/ul#	81
26) Benzo(g,h,i)perylene	26.74	276	3026	0.10	ng/ul#	91

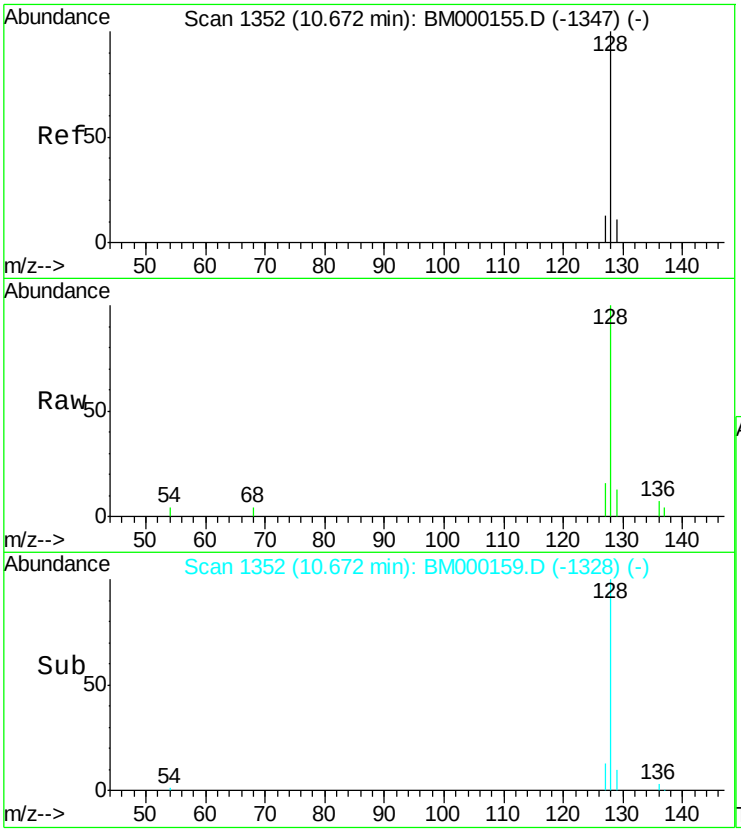
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010915\
Data File : BM000159.D
Acq On : 09 Jan 2015 15:29
Operator : TP/IZ
Sample : MDL-04-S
Misc : MDL-SOIL-0.15PPM-SIM
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jan 09 22:11:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 10:41:47 2015
Response via : Initial Calibration

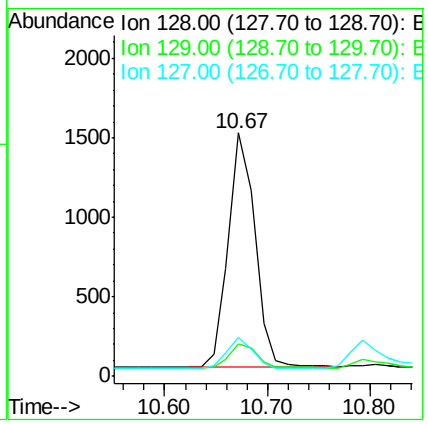


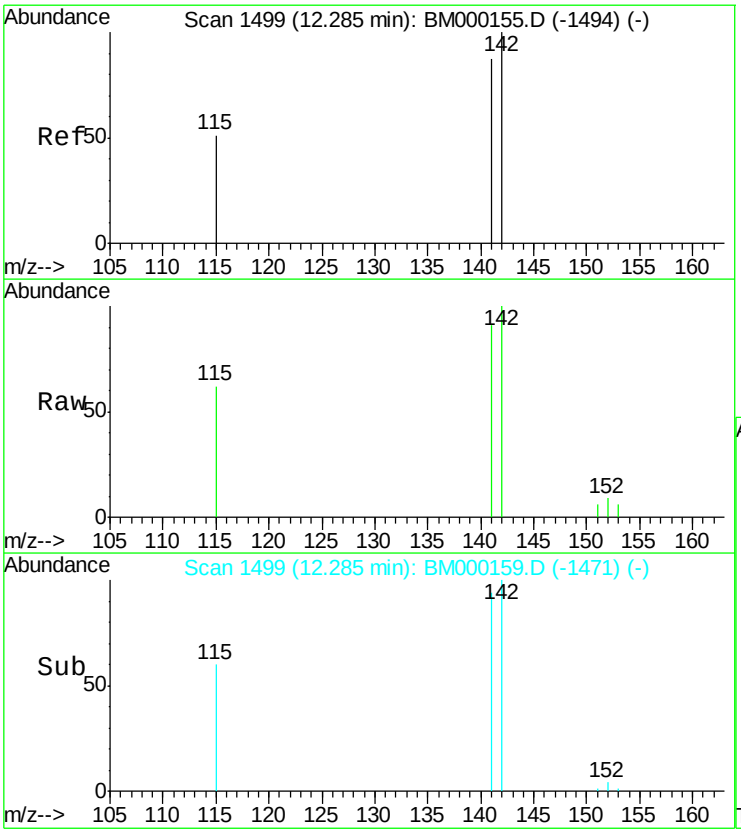


#3
Naphthalene
Concen: 0.11 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:128 Resp: 2665

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.5	14.3
127	16.1	10.4	15.6#

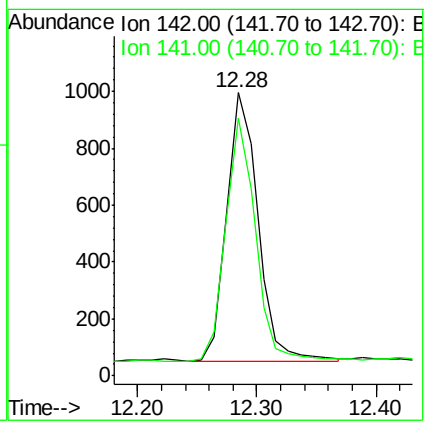


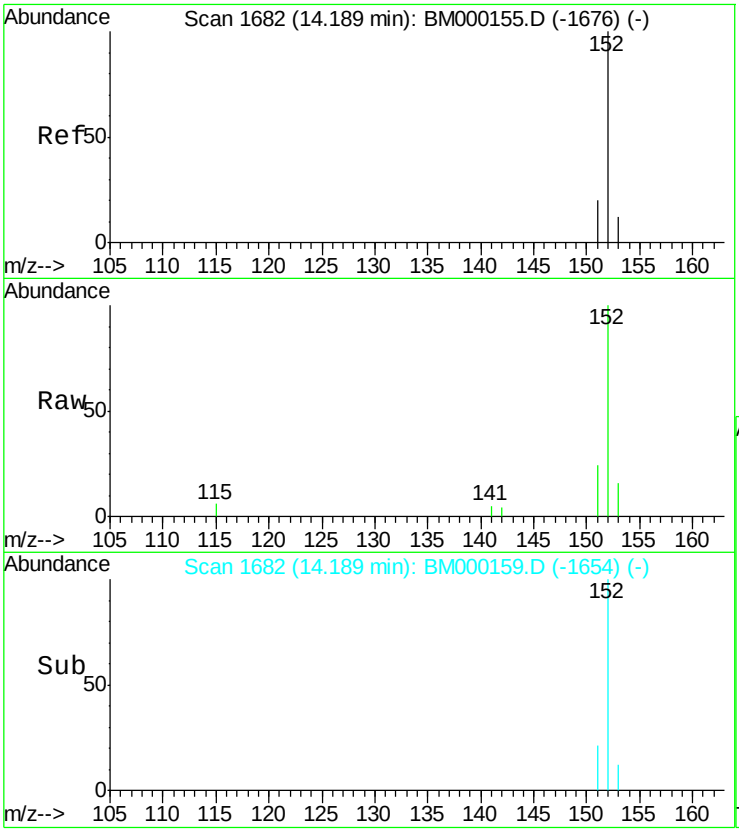


#5
2-Methylnaphthalene
Concen: 0.10 ng/ul
RT: 12.28 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:142 Resp: 1701

Ion	Ratio	Lower	Upper
142	100		
141	87.3	68.9	103.3

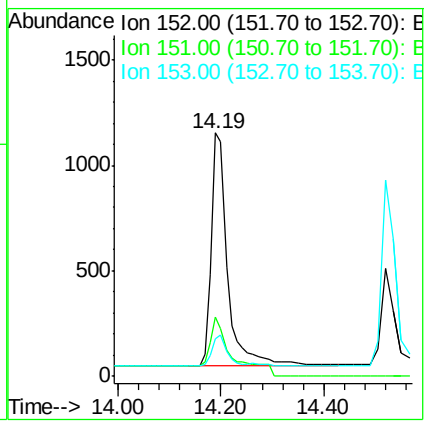


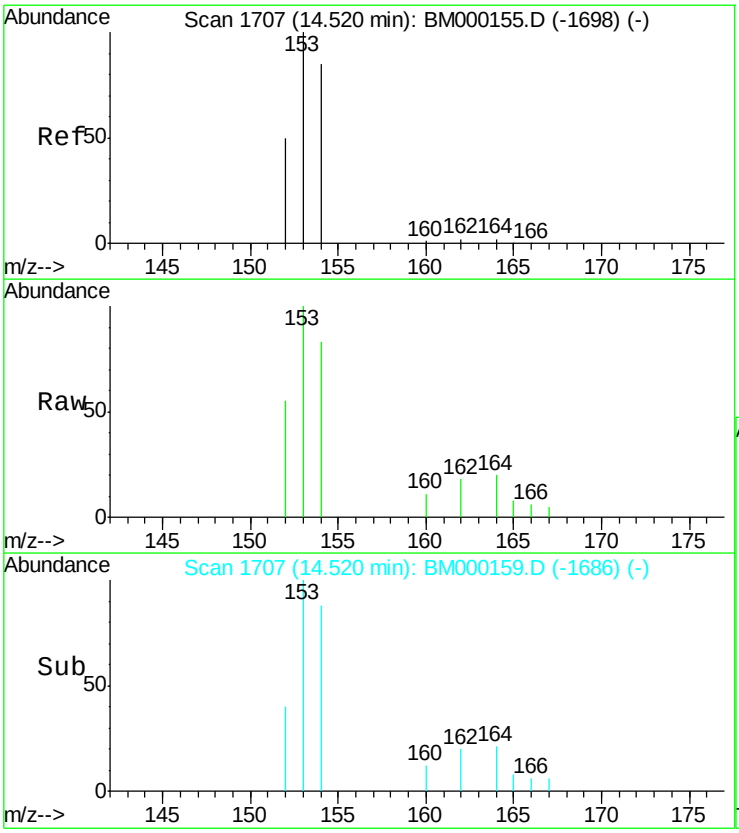


#7
Acenaphthylene
Concen: 0.10 ng/ul
RT: 14.19 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:152 Resp: 2772

Ion	Ratio	Lower	Upper
152	100		
151	24.4	15.4	23.2#
153	15.6	11.0	16.4

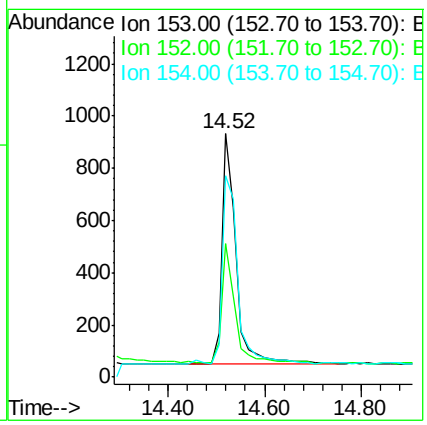


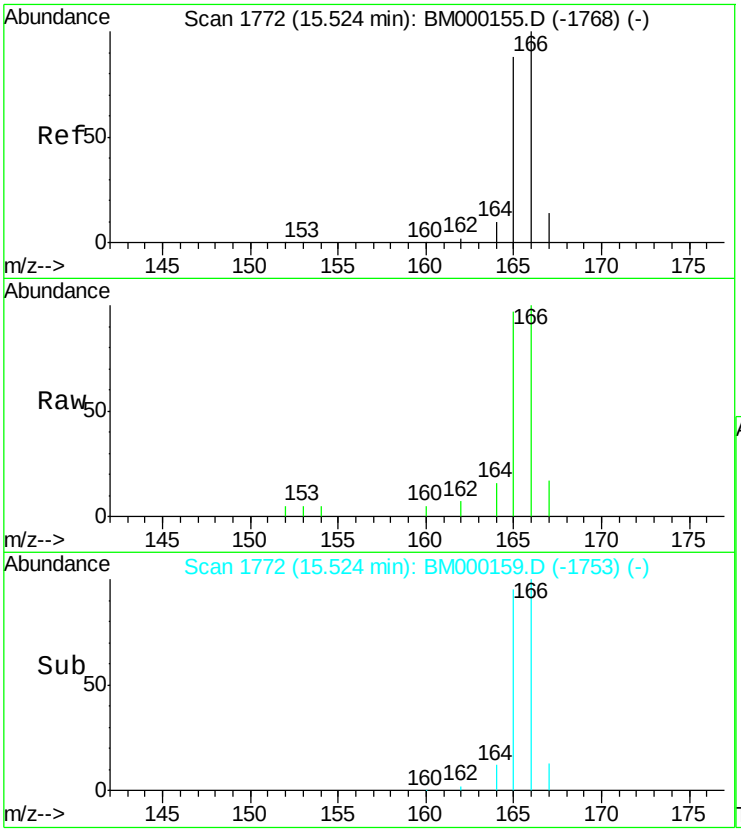


#8
Acenaphthene
Concen: 0.10 ng/ul
RT: 14.52 min Scan# 1707
Delta R.T. -0.02 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:153 Resp: 1809

Ion	Ratio	Lower	Upper
153	100		
152	54.9	35.8	53.6#
154	82.5	79.9	119.9

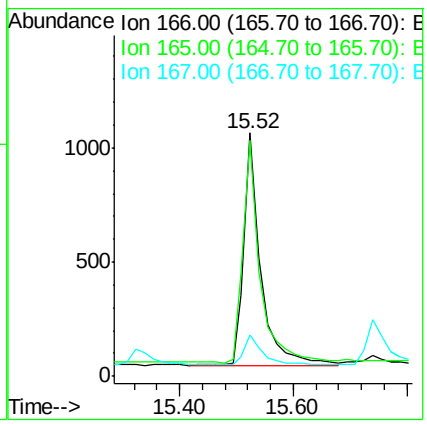


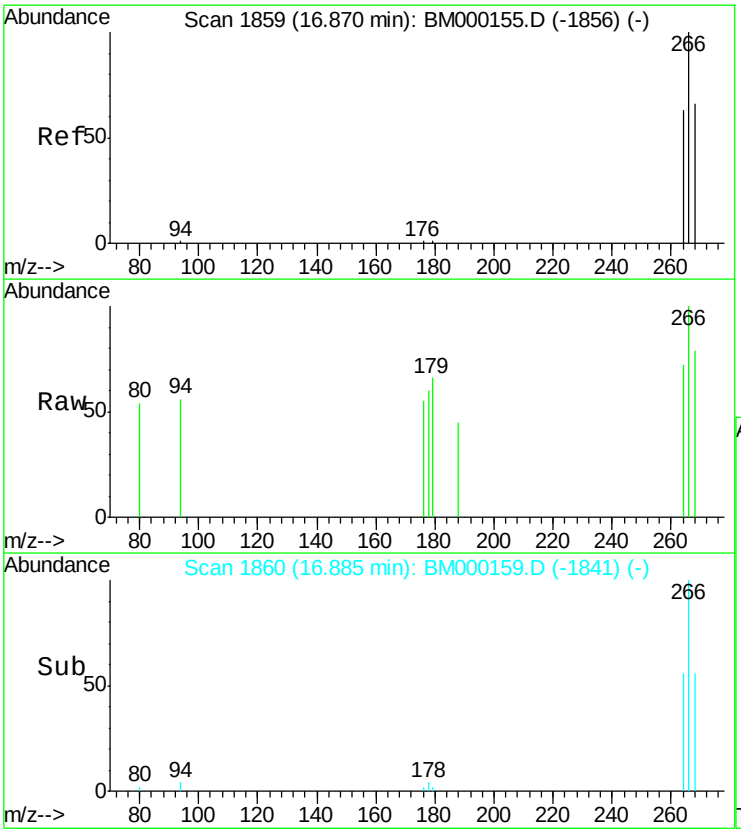


#9
Fluorene
Concen: 0.10 ng/ul
RT: 15.52 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:166 Resp: 2105

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.0	115.4
167	17.1	11.0	16.6#

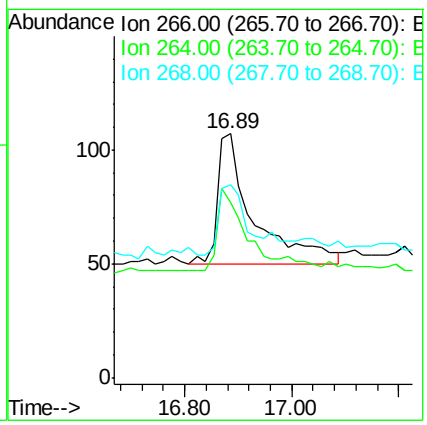


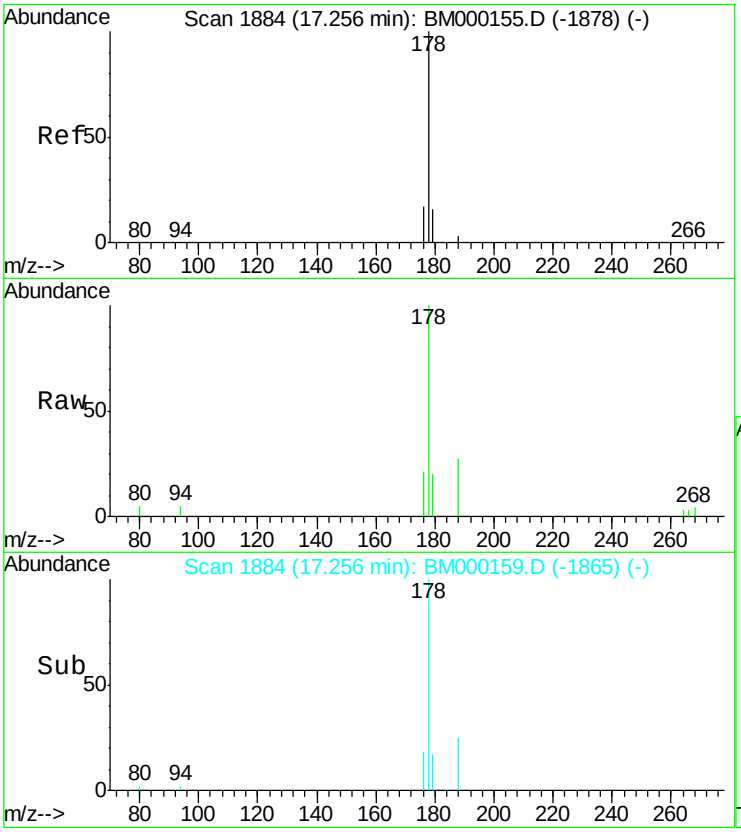


#11
Pentachlorophenol
Concen: 0.16 ng/ul
RT: 16.89 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:266 Resp: 266

Ion	Ratio	Lower	Upper
266	100		
264	54.9	53.9	80.9
268	39.8	49.2	73.8#

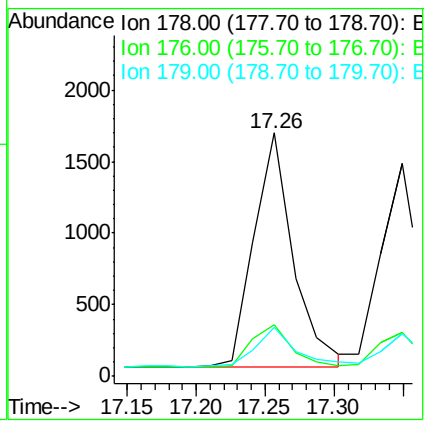


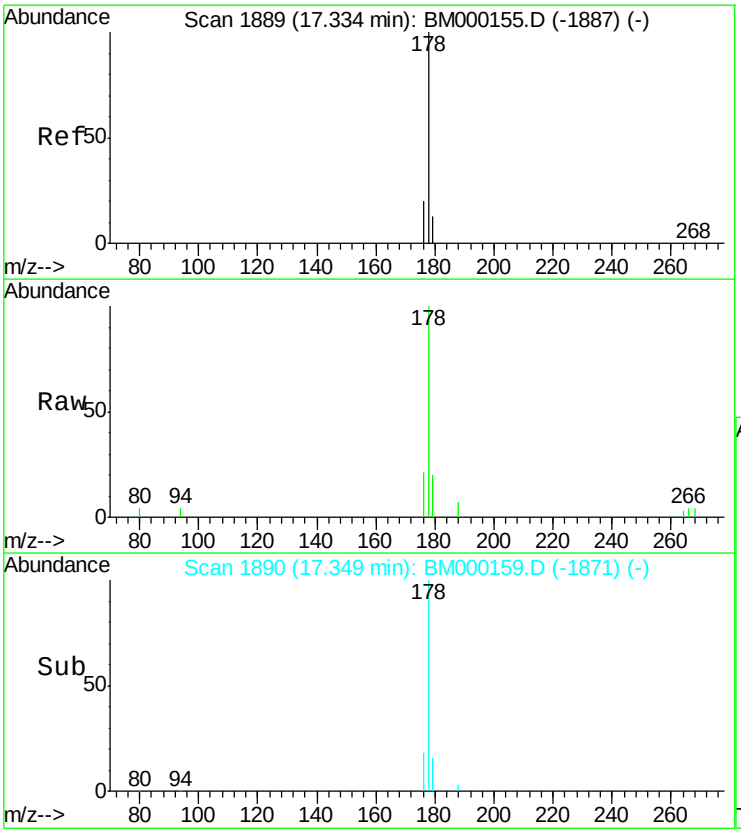


#12
Phenanthrene
Concen: 0.10 ng/ul
RT: 17.26 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:178 Resp: 3232

Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.1	22.7
179	20.4	13.0	19.4#

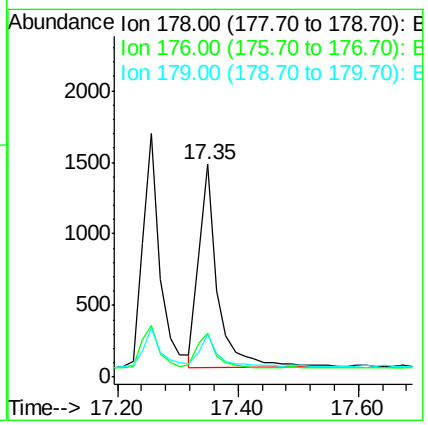


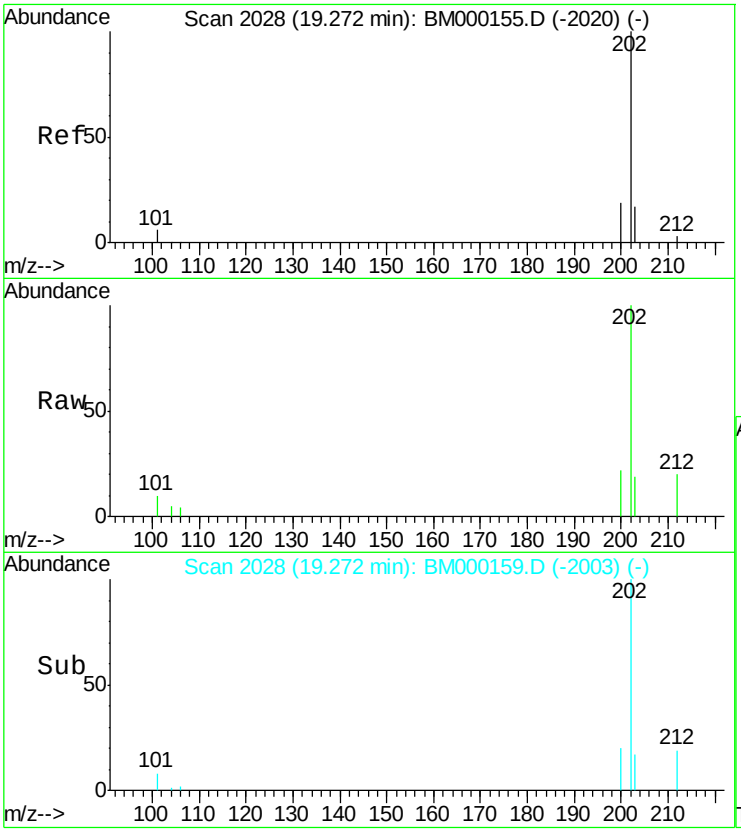


#13
Anthracene
Concen: 0.10 ng/ul
RT: 17.35 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:178 Resp: 3073

Ion	Ratio	Lower	Upper
178	100		
176	21.0	14.6	21.8
179	20.2	13.1	19.7#

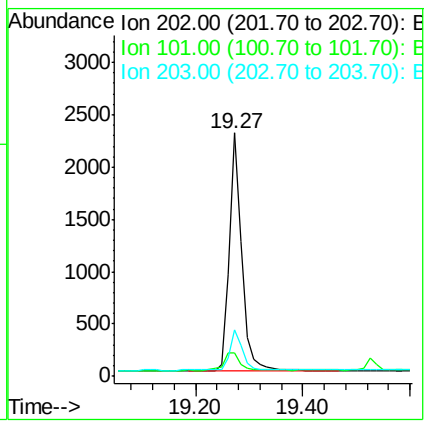


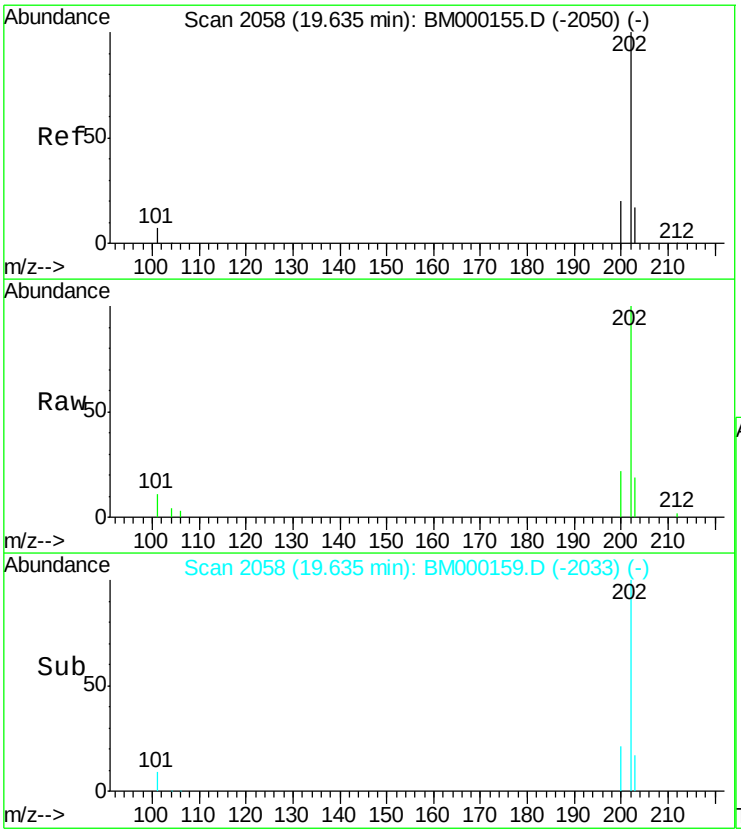


#15
Fluoranthene
Concen: 0.10 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:202 Resp: 3754

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	19.2	0.0	36.6

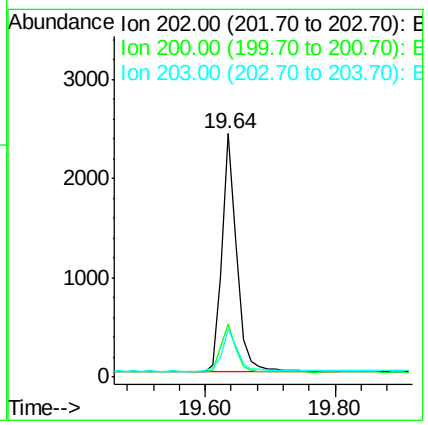


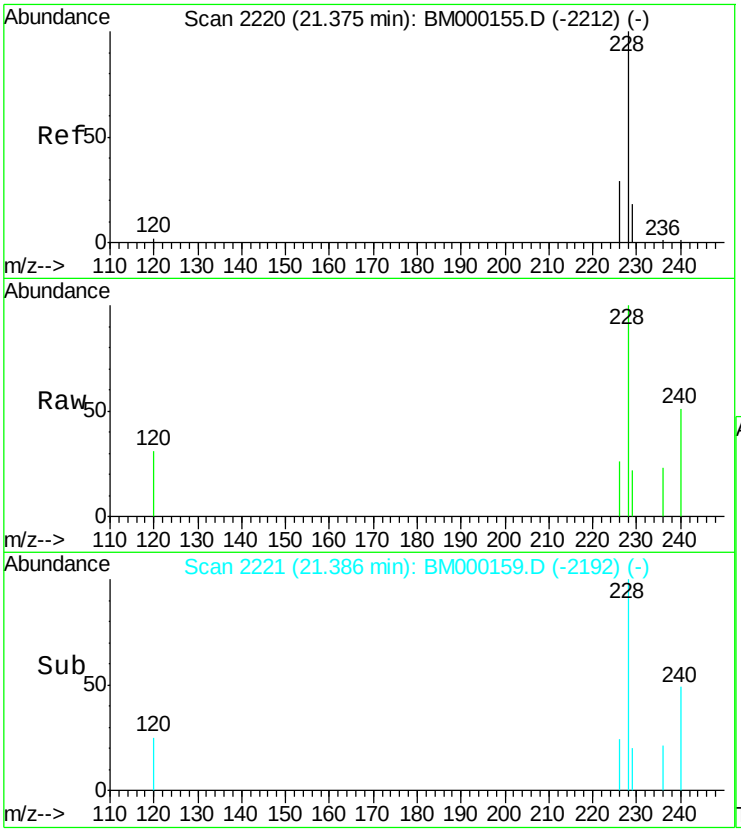


#17
Pyrene
Concen: 0.10 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:202 Resp: 3915

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	19.4	12.8	19.2#

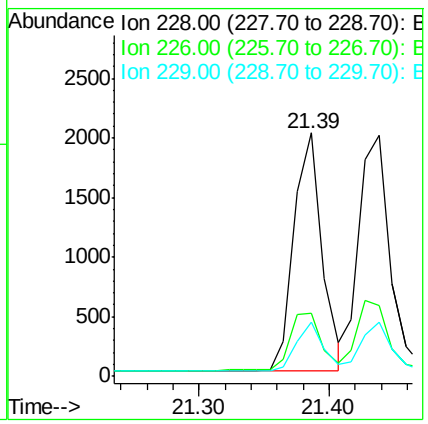


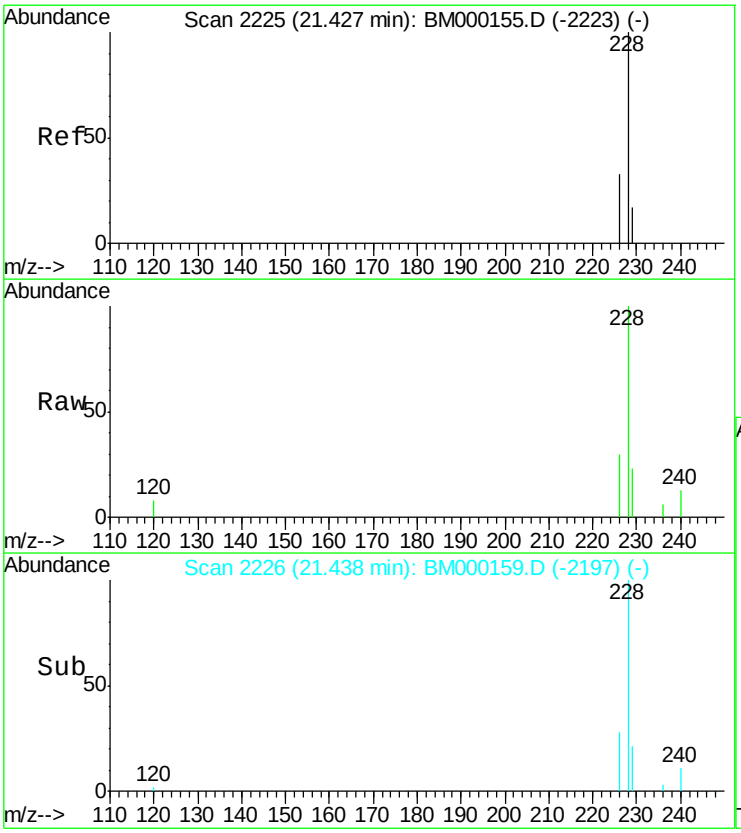


#18
Benzo(a)anthracene
Concen: 0.10 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:228 Resp: 2978

Ion	Ratio	Lower	Upper
228	100		
226	25.7	20.8	31.2
229	22.1	15.5	23.3

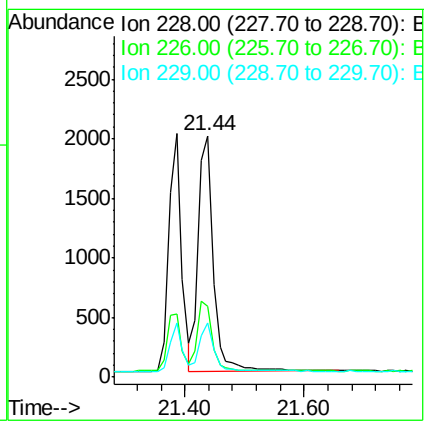


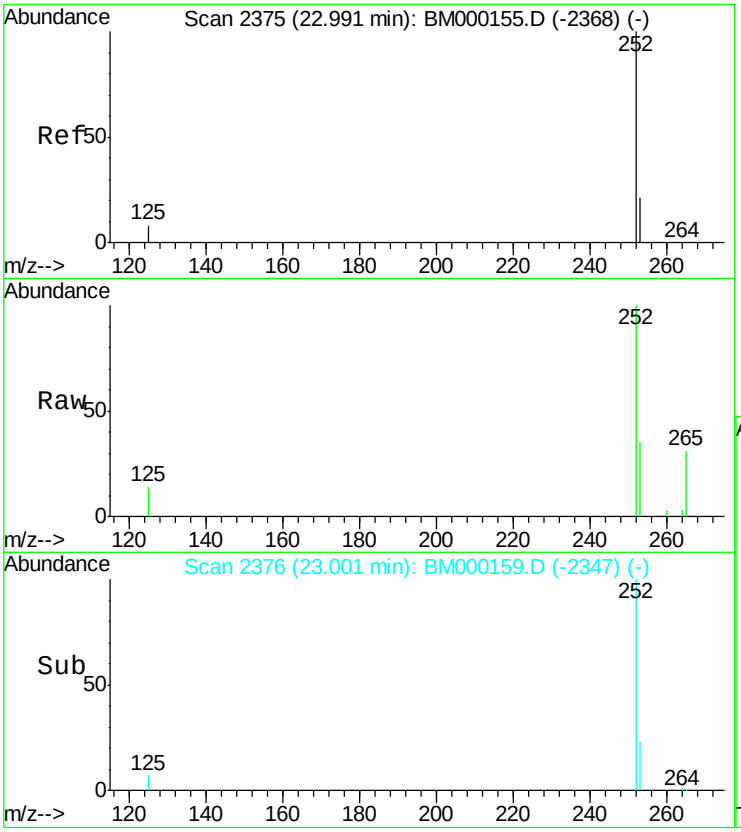


#19
Chrysene
Concen: 0.10 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:228 Resp: 3430

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	22.6	15.8	23.8

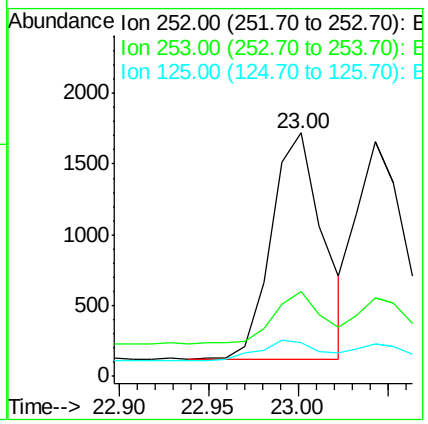


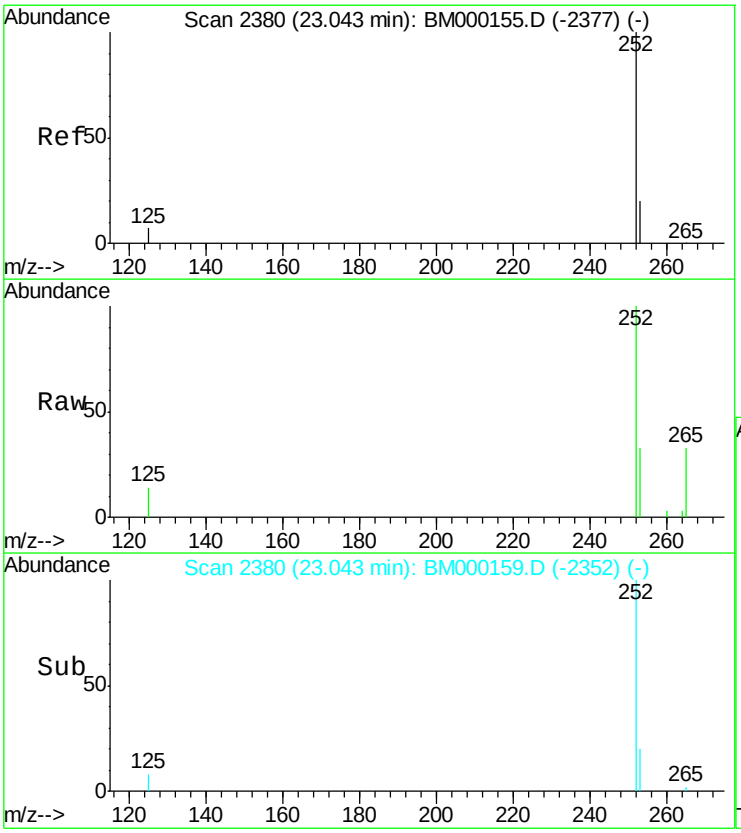


#21
Benzo(b)fluoranthene
Concen: 0.10 ng/ul
RT: 23.00 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:252 Resp: 3228

Ion	Ratio	Lower	Upper
252	100		
253	35.0	0.0	48.2
125	13.8	0.0	21.6

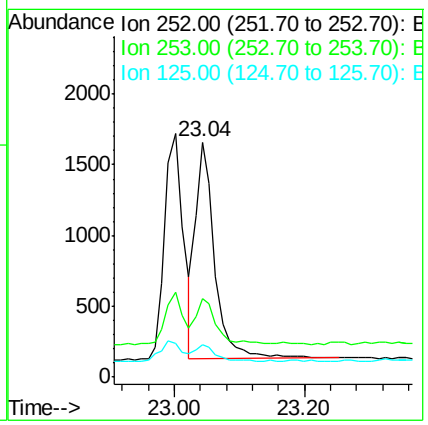


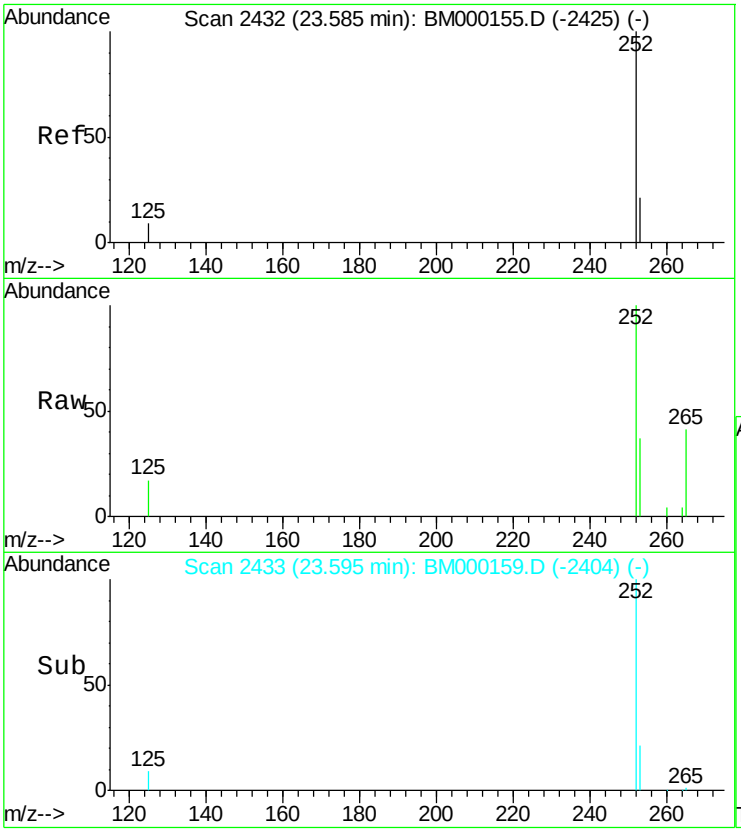


#22
Benzo(k)fluoranthene
Concen: 0.10 ng/ul
RT: 23.04 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:252 Resp: 3222

Ion	Ratio	Lower	Upper
252	100		
253	33.1	20.5	30.7#
125	13.8	7.8	11.8#

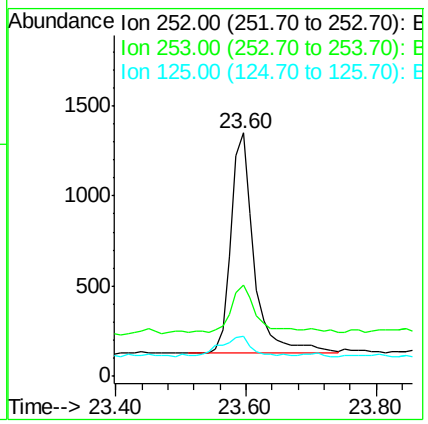


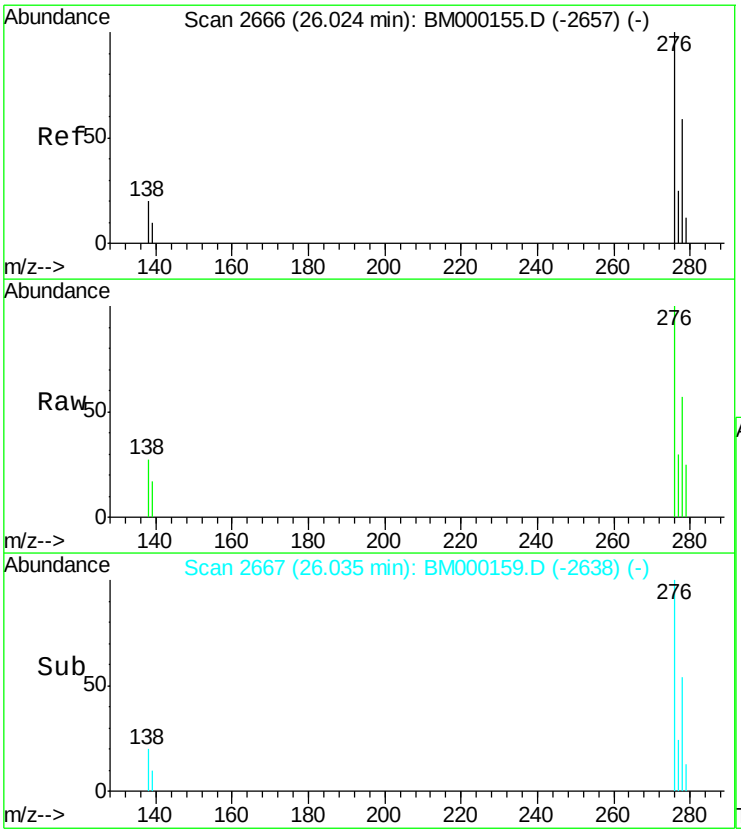


#23
Benzo(a)pyrene
Concen: 0.10 ng/ul
RT: 23.60 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:252 Resp: 3018

Ion	Ratio	Lower	Upper
252	100		
253	37.4	19.8	29.6#
125	16.8	9.2	13.8#

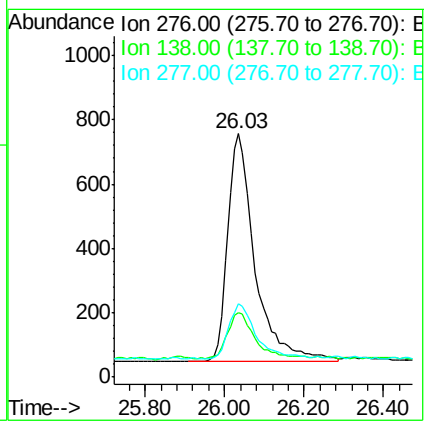


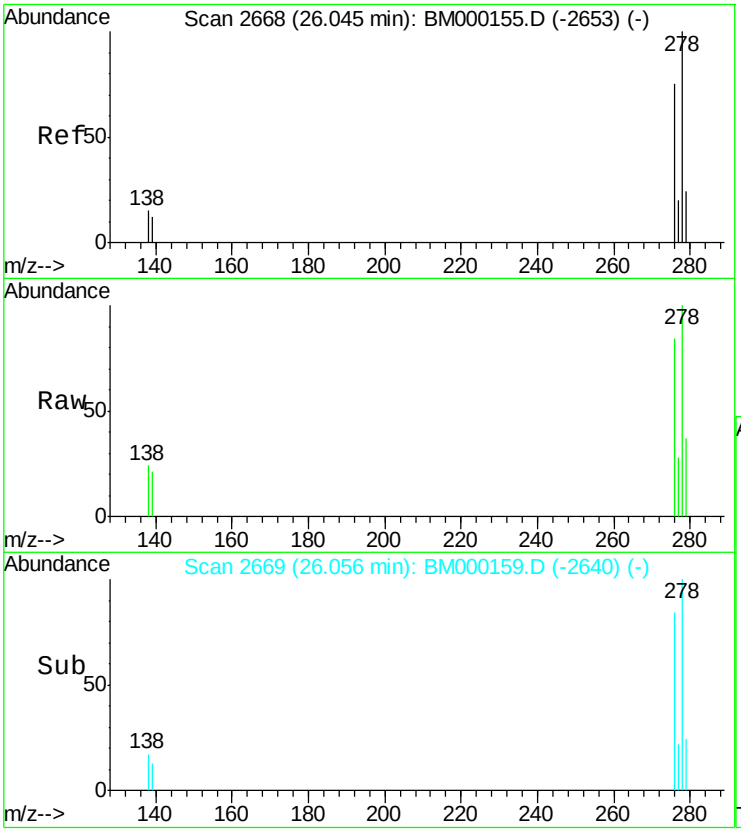


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng/ul
RT: 26.03 min Scan# 2667
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:276 Resp: 3399

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.6	26.4
277	23.9	19.9	29.9

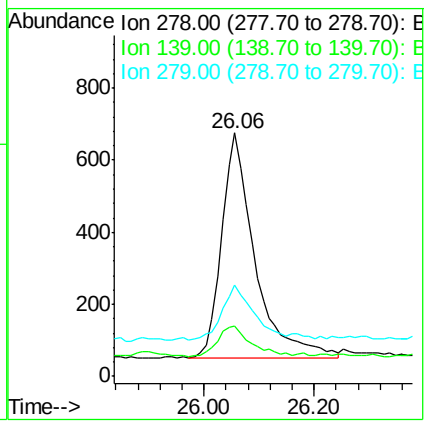


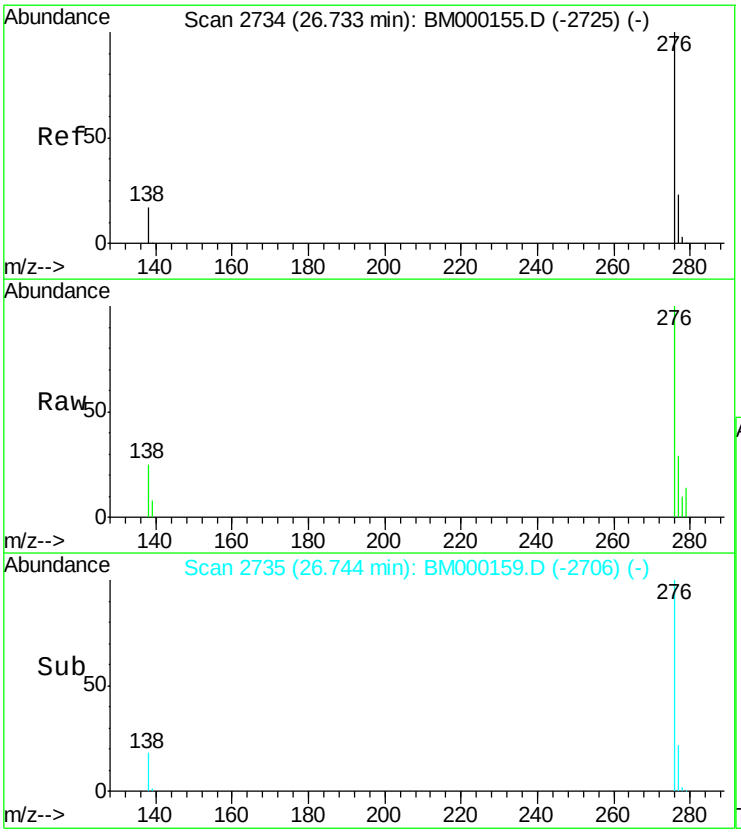


#25
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:278 Resp: 2614

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.6	18.8#
279	37.4	20.6	30.8#





#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BM000159.D
Acq: 09 Jan 2015 15:29

Tgt Ion:276 Resp: 3026

Ion	Ratio	Lower	Upper
276	100		
277	28.6	20.0	30.0
138	24.8	15.7	23.5#