Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089658.D
Acq On : 24 Feb 2015 2:43
Operator : TP/JJ
Sample : MDL-02-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 24 04:11:07 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:46:57 2015
Response via : Initial Calibration

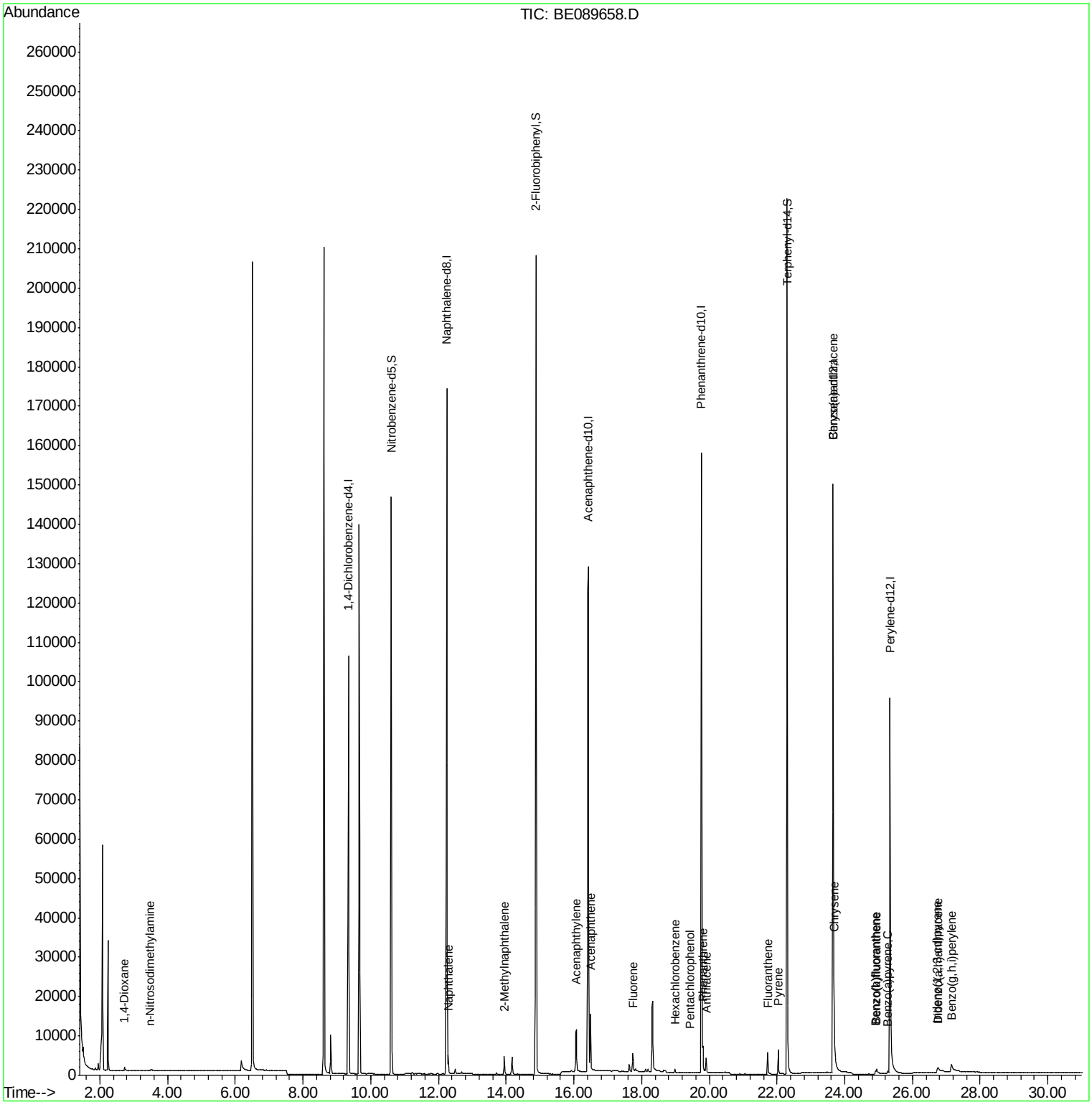
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	45403	5.00	ng		0.00
4) Naphthalene-d8	12.24	136	191410	5.00	ng		0.00
8) Acenaphthene-d10	16.42	164	86914	5.00	ng		0.00
13) Phenanthrene-d10	19.76	188	159555	5.00	ng		0.00
19) Chrysene-d12	23.66	240	128577	5.00	ng		0.00
25) Perylene-d12	25.34	264	102227	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	10.60	82	101740	8.80	ng		0.00
9) 2-Fluorobiphenyl	14.88	172	191051	9.77	ng		0.00
21) Terphenyl-d14	22.30	244	187180	10.19	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.73	88	798	0.14	ng	#	81
3) n-Nitrosodimethylamine	3.48	42	547	0.12	ng	#	88
6) Naphthalene	12.29	128	5635	0.14	ng		98
7) 2-Methylnaphthalene	13.95	142	3161	0.14	ng		96
10) Acenaphthylene	16.07	152	16549	0.13	ng		100
11) Acenaphthene	16.49	154	2836	0.14	ng		91
12) Fluorene	17.74	166	3294	0.14	ng		99
14) Hexachlorobenzene	18.99	284	640	0.15	ng		98
15) Pentachlorophenol	19.44	266	38	0.23	ng	#	71
16) Phenanthrene	19.81	178	5241	0.15	ng		98
17) Anthracene	19.91	178	4089	0.14	ng		99
18) Fluoranthene	21.72	202	4334	0.15	ng		99
20) Pyrene	22.04	202	4661	0.14	ng		99
22) Benzo(a)anthracene	23.64	228	14560	0.16	ng		98
23) Chrysene	23.68	228	19329	0.16	ng		95
24) Indeno(1,2,3-cd)pyrene	26.73	276	3888	0.40	ng	#	34
26) Benzo(b)fluoranthene	24.91	252	927m	0.42	ng		
27) Benzo(k)fluoranthene	24.94	252	2591m	0.12	ng		
28) Benzo(a)pyrene	25.27	252	1099	0.38	ng	#	89
29) Dibenzo(a,h)anthracene	26.77	278	669	0.40	ng	#	74
30) Benzo(g,h,i)perylene	27.15	276	5918	0.29	ng	#	84

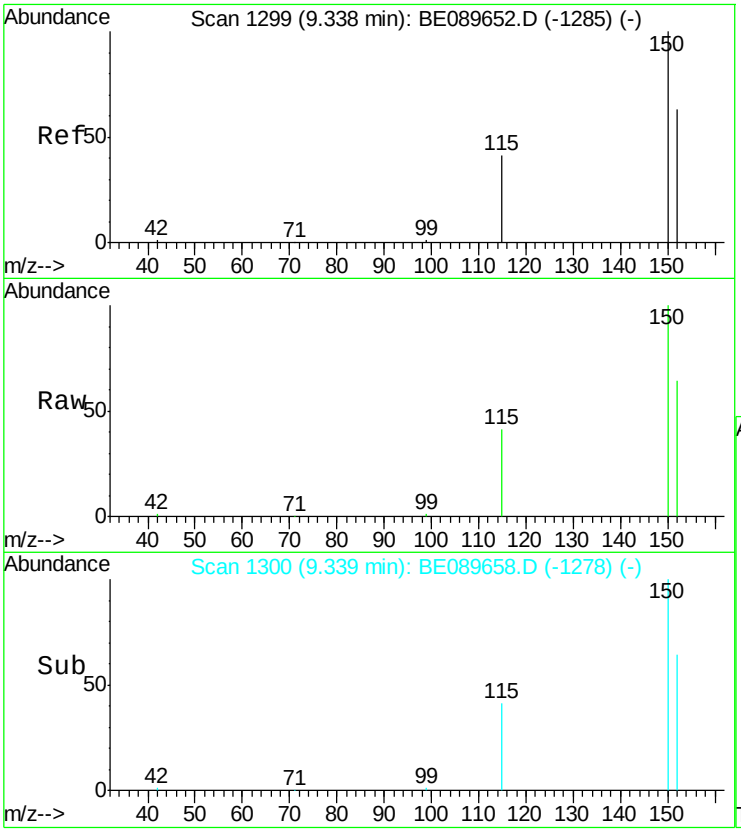
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089658.D
Acq On : 24 Feb 2015 2:43
Operator : TP/JJ
Sample : MDL-02-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 24 04:11:07 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:46:57 2015
Response via : Initial Calibration

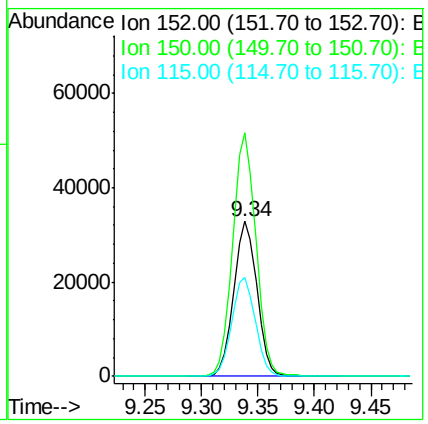


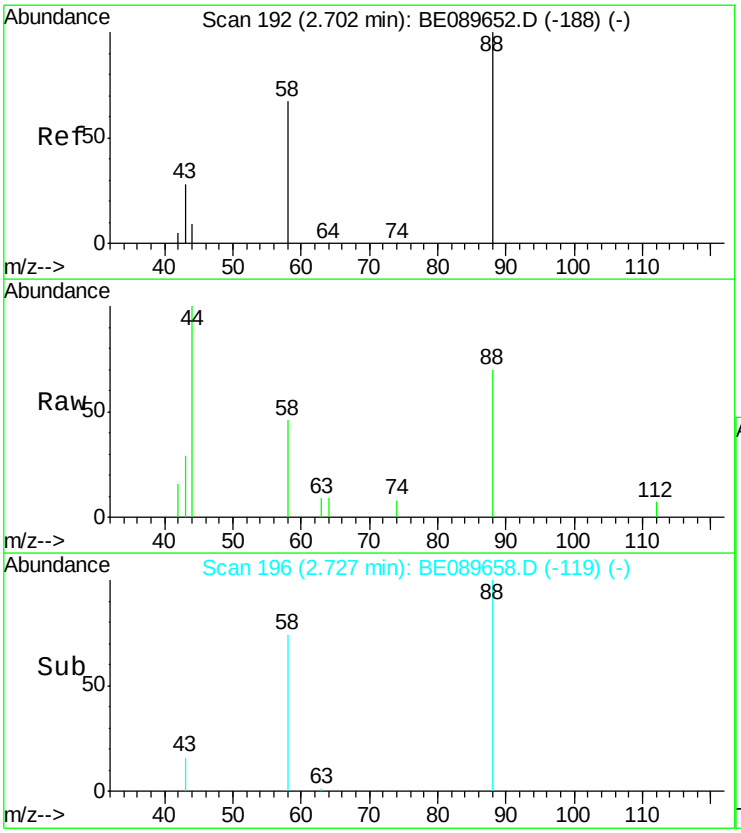


#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:152 Resp: 45403

Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.0	190.6
115	64.0	52.4	78.6

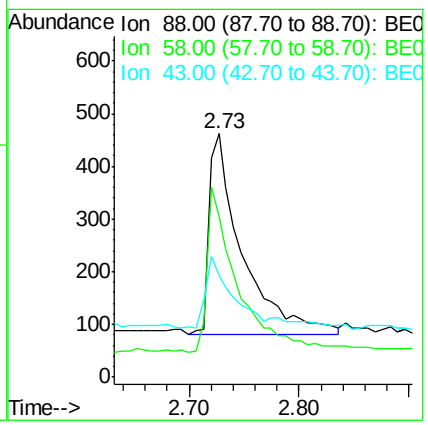


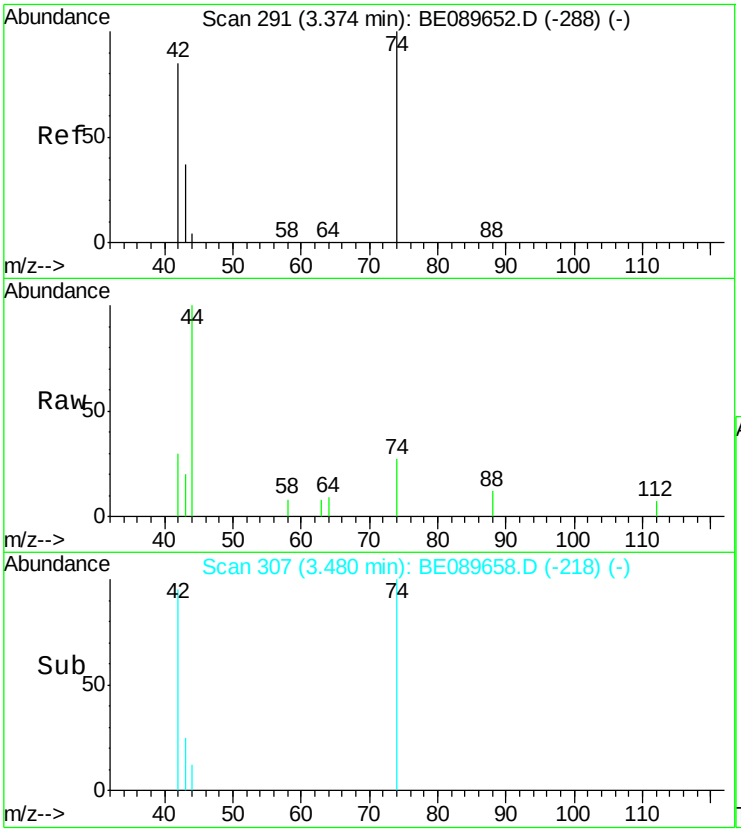


#2
1,4-Dioxane
Concen: 0.14 ng
RT: 2.73 min Scan# 196
Delta R.T. 0.02 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion: 88 Resp: 798

Ion	Ratio	Lower	Upper
88	100		
58	75.6	61.8	92.6
43	0.0	26.4	39.6#

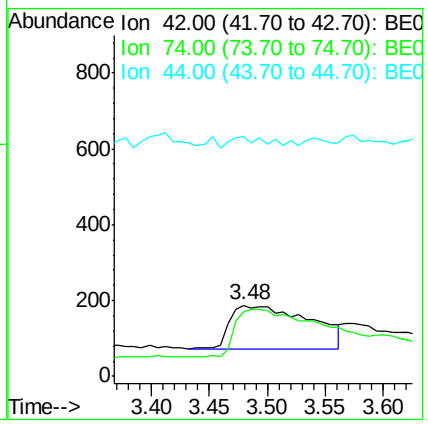


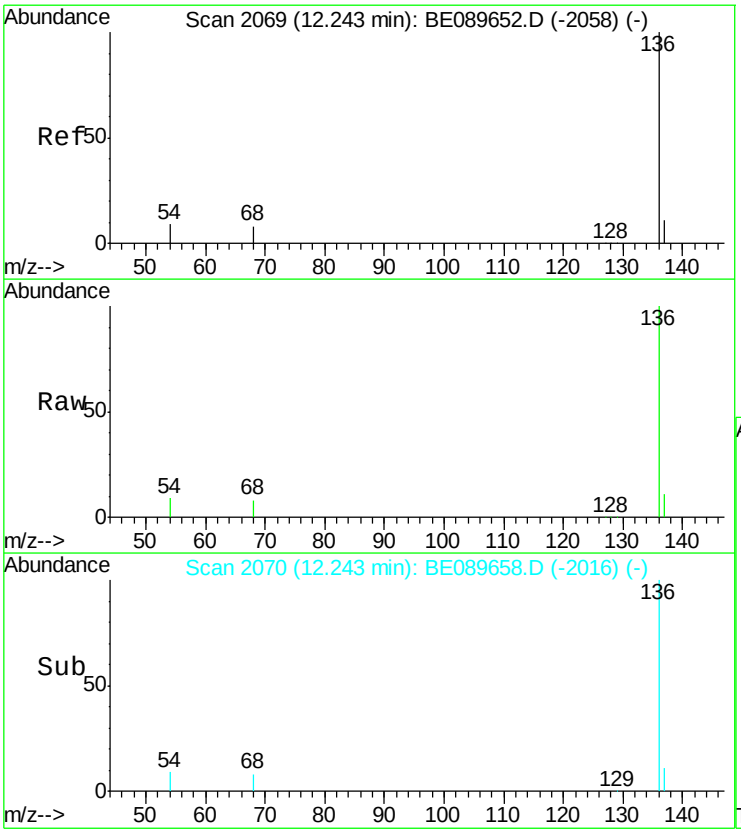


#3
n-Nitrosodimethylamine
Concen: 0.12 ng
RT: 3.48 min Scan# 307
Delta R.T. 0.11 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion: 42 Resp: 547

Ion	Ratio	Lower	Upper
42	100		
74	128.2	92.5	138.7
44	12.2	4.9	7.3#

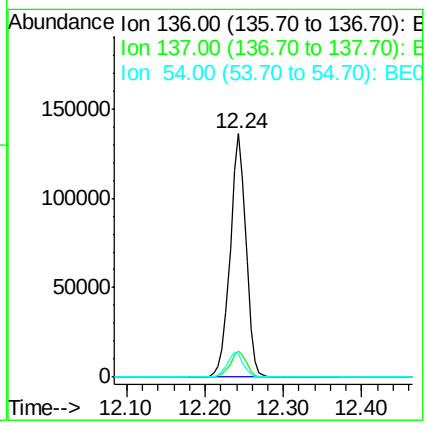


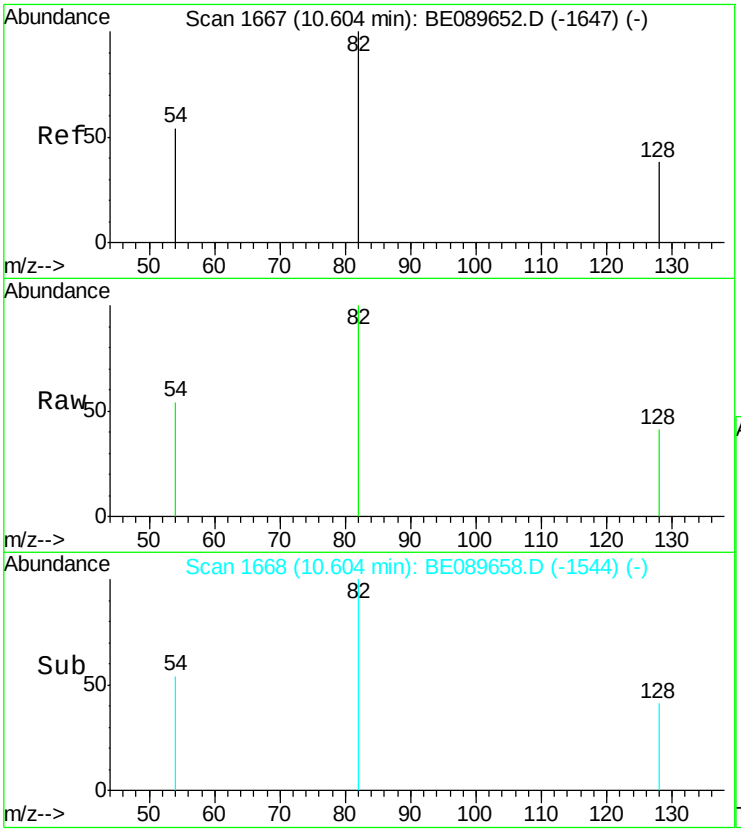


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:136 Resp: 191410

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.4	7.5	11.3

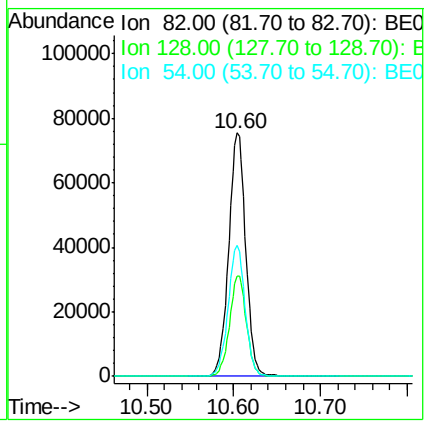


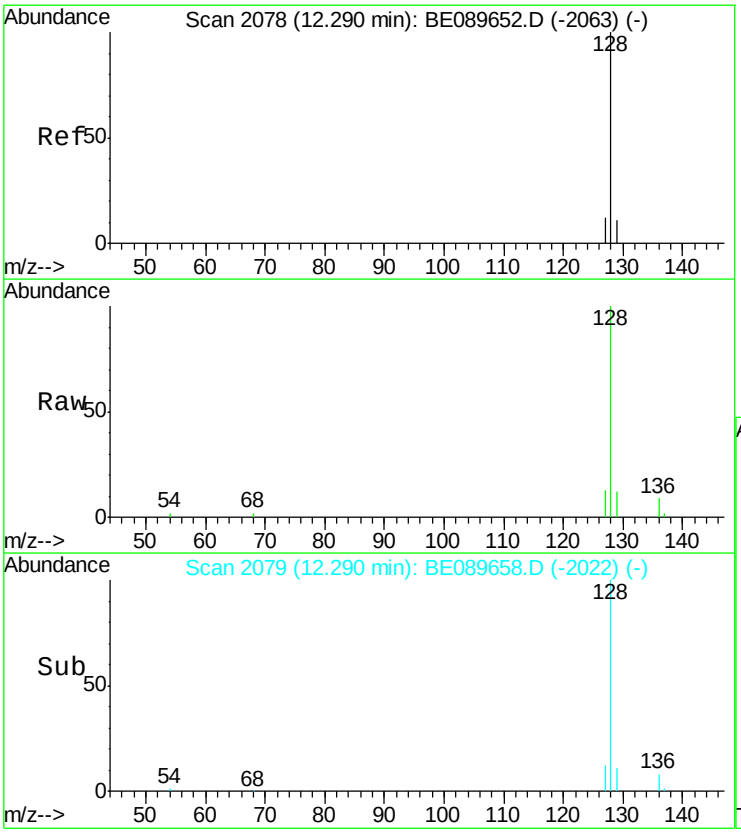


#5
Nitrobenzene-d5
Concen: 8.80 ng
RT: 10.60 min Scan# 1668
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion: 82 Resp: 101740

Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.0	46.4
54	53.9	43.8	65.8

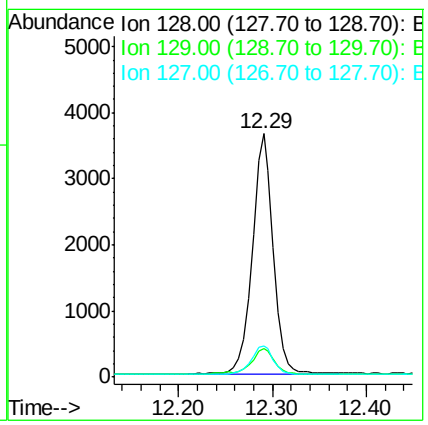


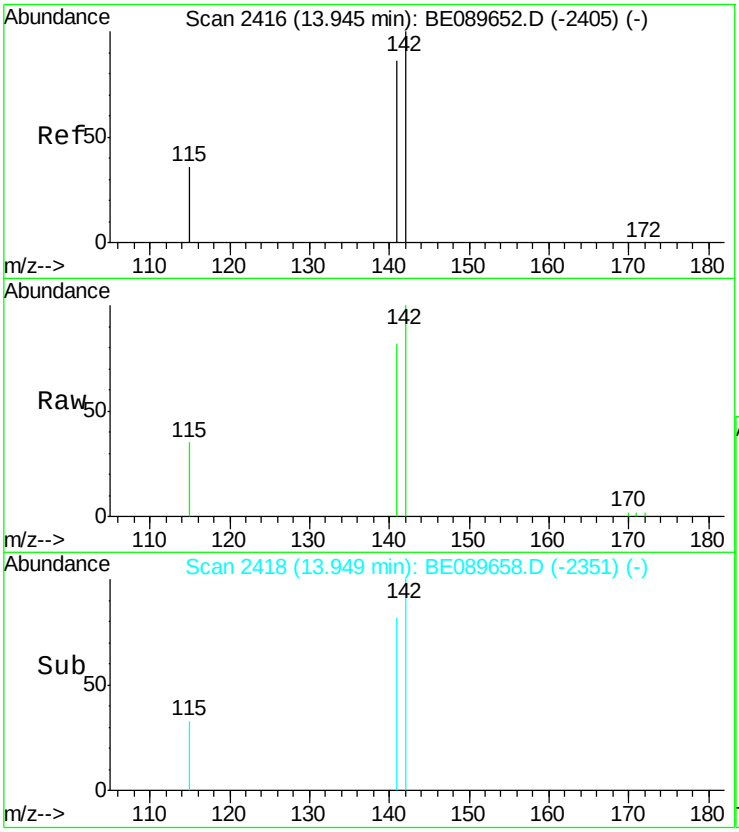


#6
Naphthalene
Concen: 0.14 ng
RT: 12.29 min Scan# 2079
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:128 Resp: 5635

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	13.0	9.8	14.6

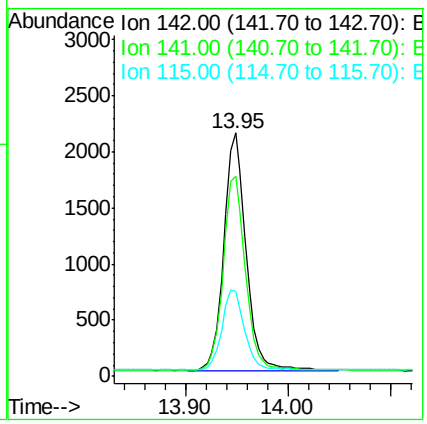


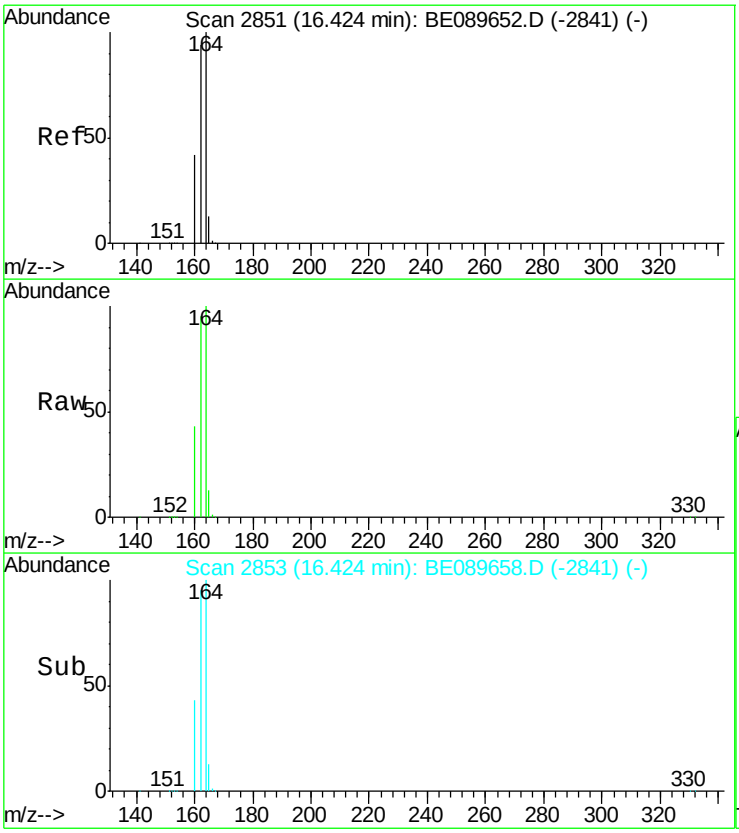


#7
2-Methylnaphthalene
Concen: 0.14 ng
RT: 13.95 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:142 Resp: 3161

Ion	Ratio	Lower	Upper
142	100		
141	82.1	68.6	103.0
115	34.9	29.0	43.6

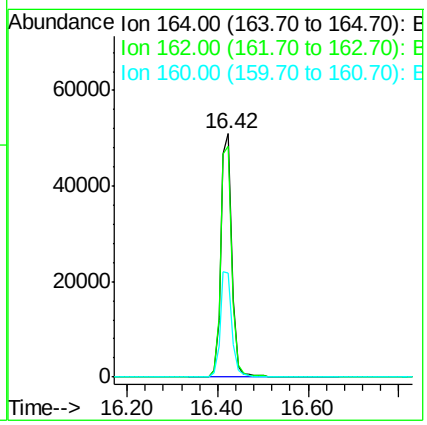


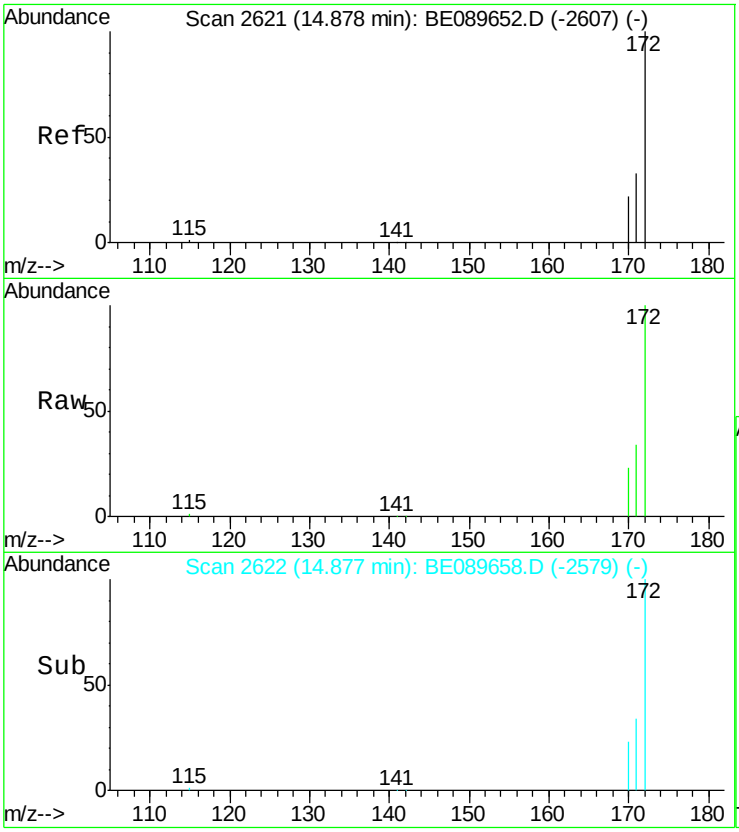


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:164 Resp: 86914

Ion	Ratio	Lower	Upper
164	100		
162	94.9	75.4	113.2
160	42.8	33.7	50.5

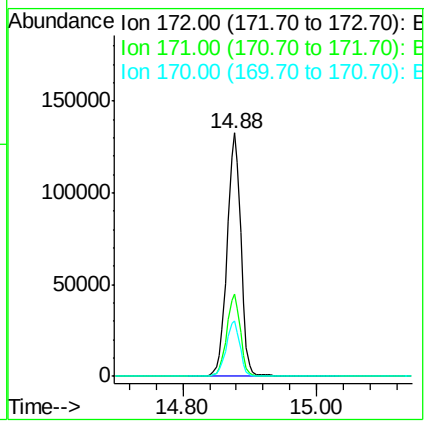


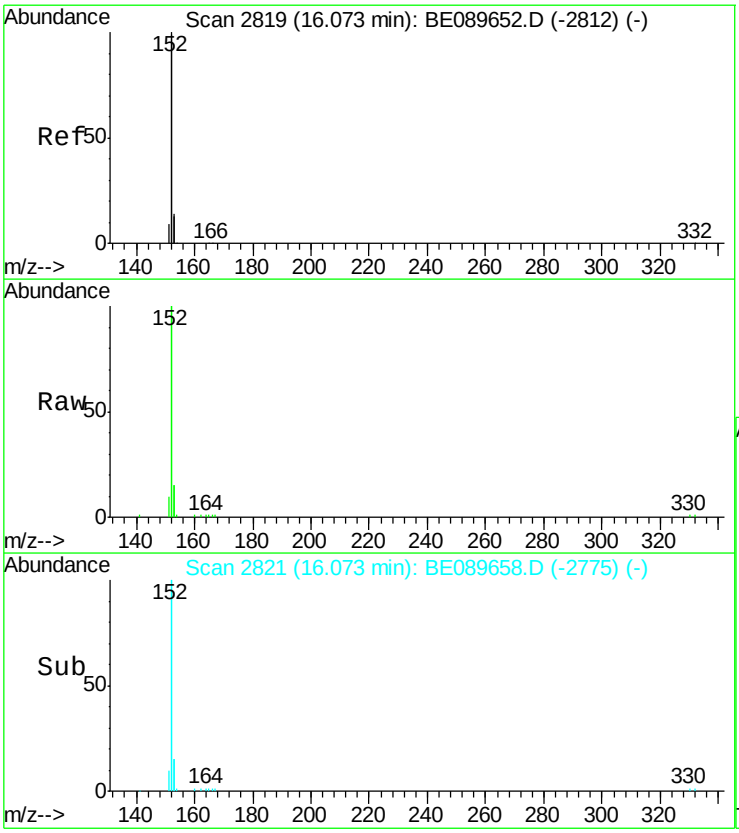


#9
2-Fluorobiphenyl
Concen: 9.77 ng
RT: 14.88 min Scan# 2622
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:172 Resp: 191051

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.2	39.4
170	22.7	17.7	26.5

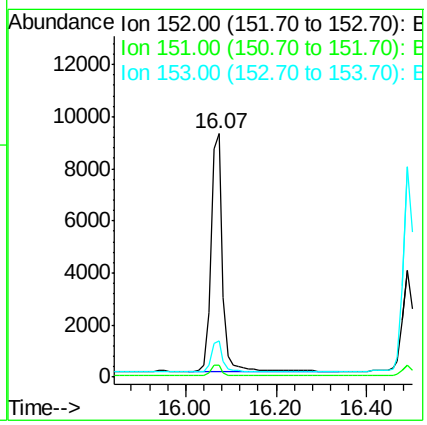


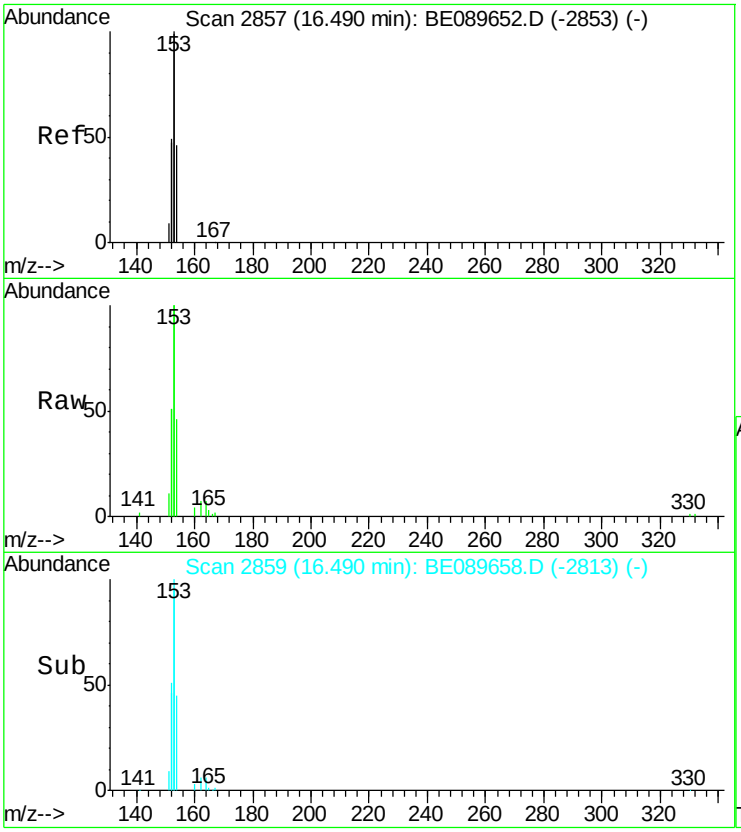


#10
Acenaphthylene
Concen: 0.13 ng
RT: 16.07 min Scan# 2821
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:152 Resp: 16549

Ion	Ratio	Lower	Upper
152	100		
151	4.5	3.8	5.6
153	12.9	10.4	15.6

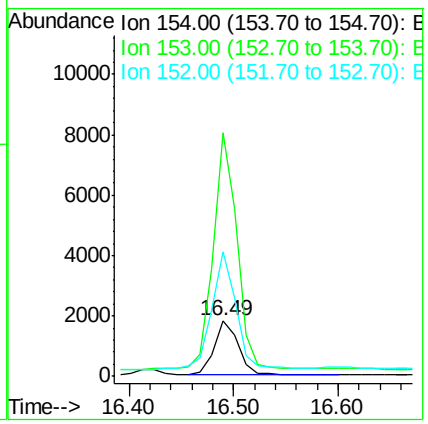


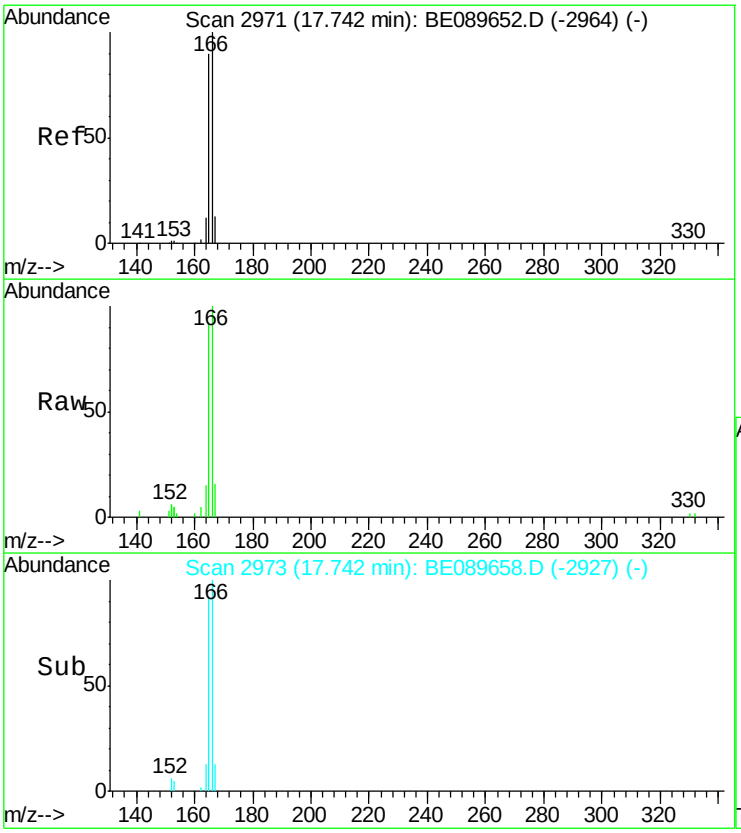


#11
Acenaphthene
Concen: 0.14 ng
RT: 16.49 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:154 Resp: 2836

Ion	Ratio	Lower	Upper
154	100		
153	444.9	343.0	514.4
152	228.9	165.8	248.8

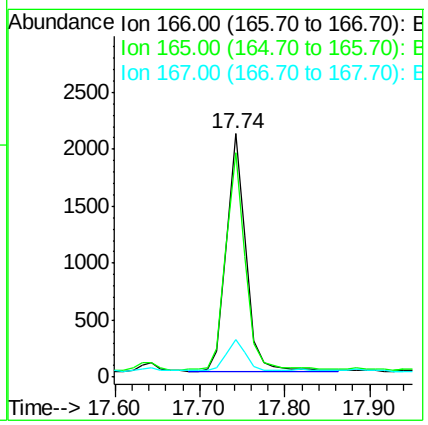


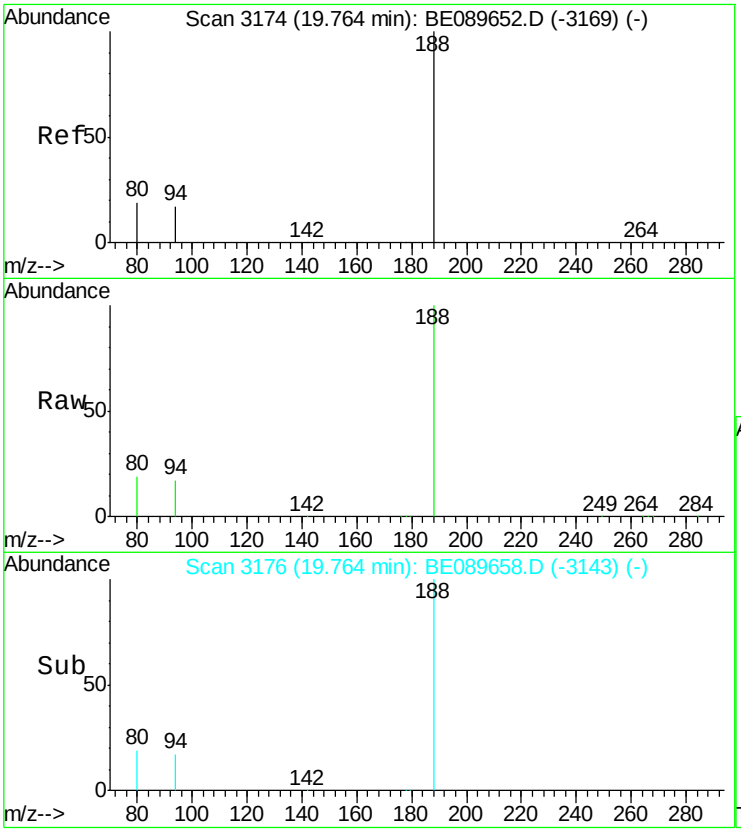


#12
Fluorene
Concen: 0.14 ng
RT: 17.74 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:166 Resp: 3294

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.6	110.4
167	14.0	10.5	15.7

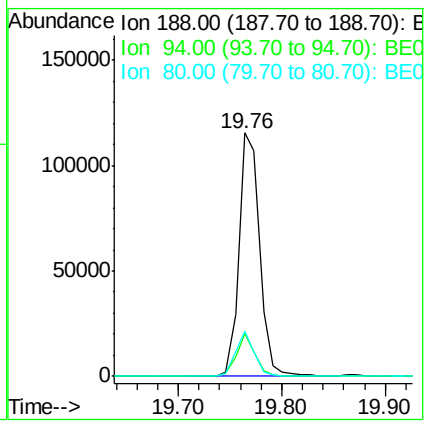


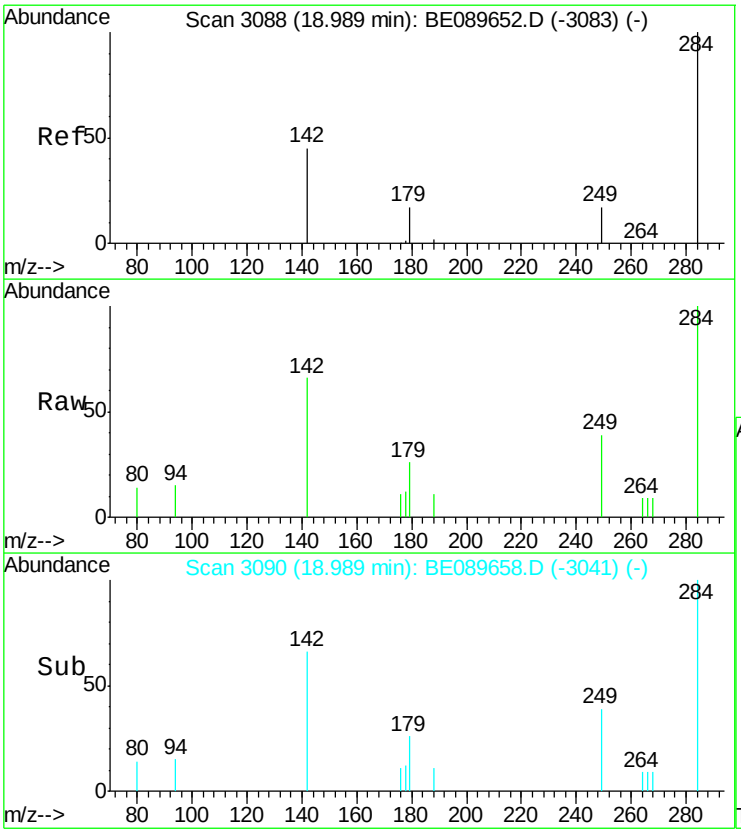


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:188 Resp: 159555

Ion	Ratio	Lower	Upper
188	100		
94	17.4	13.8	20.8
80	18.8	15.0	22.6

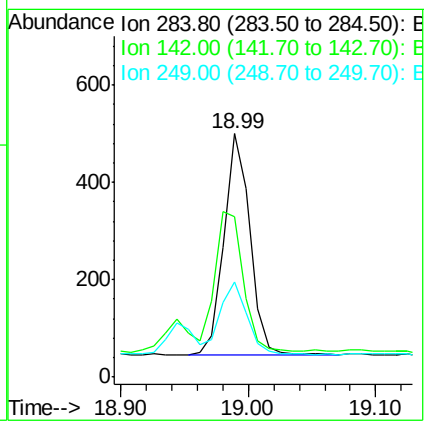


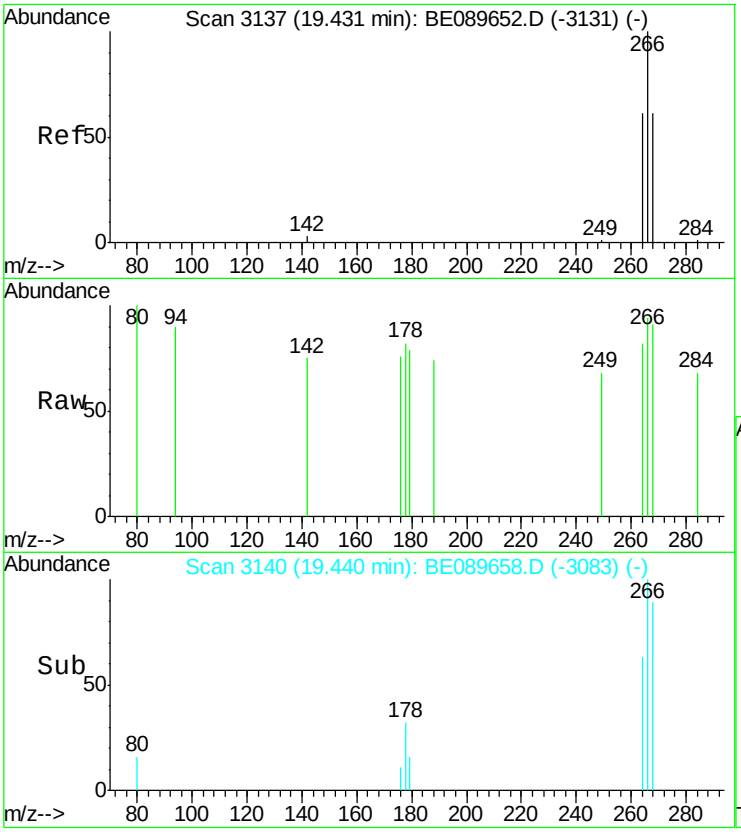


#14
Hexachlorobenzene
Concen: 0.15 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:284 Resp: 640

Ion	Ratio	Lower	Upper
284	100		
142	68.3	55.0	82.6
249	34.7	26.1	39.1

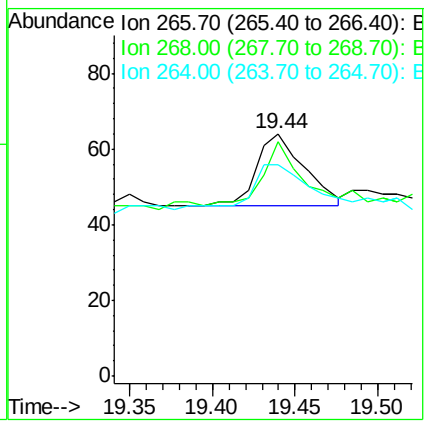


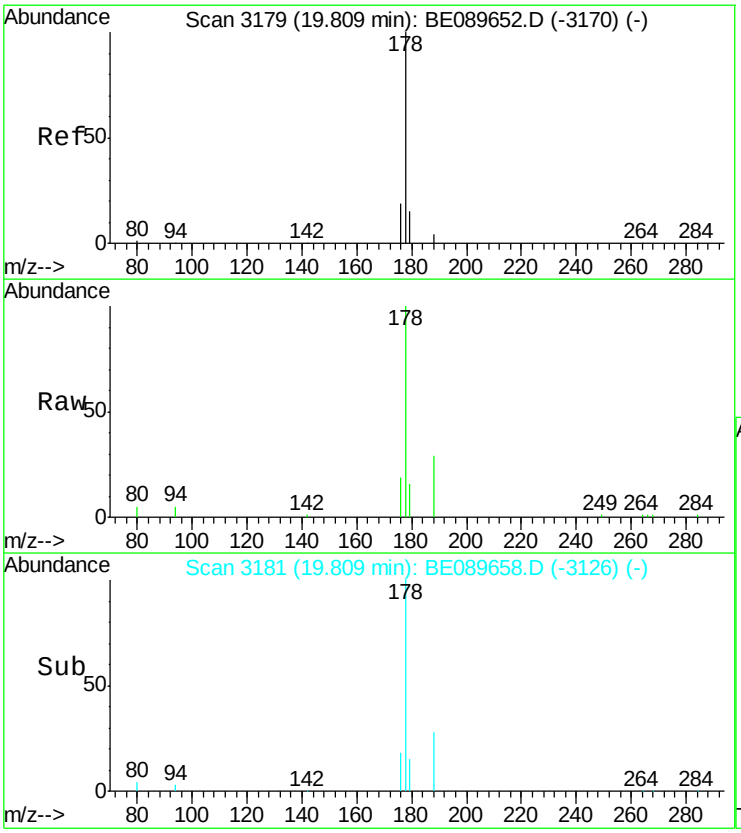


#15
Pentachlorophenol
Concen: 0.23 ng
RT: 19.44 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:266 Resp: 38

Ion	Ratio	Lower	Upper
266	100		
268	96.9	54.7	82.1#
264	87.5	55.4	83.0#

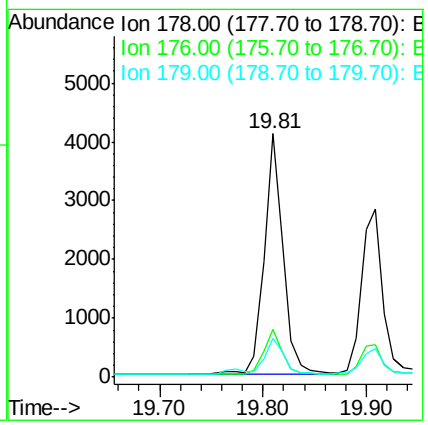


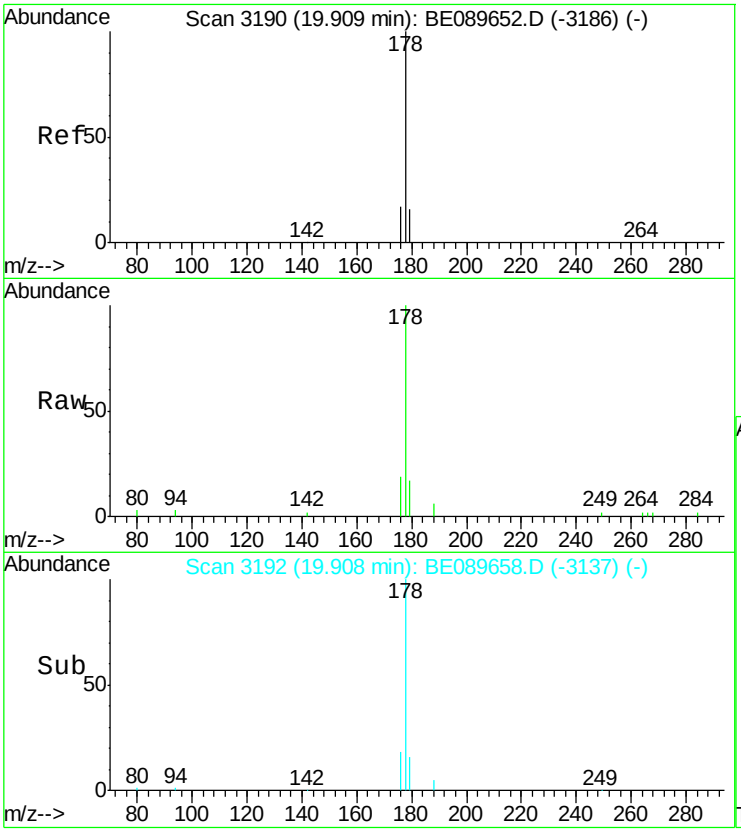


#16
Phenanthrene
Concen: 0.15 ng
RT: 19.81 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:178 Resp: 5241

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	17.1	12.3	18.5

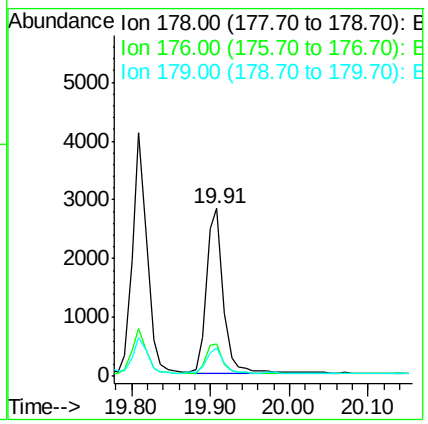


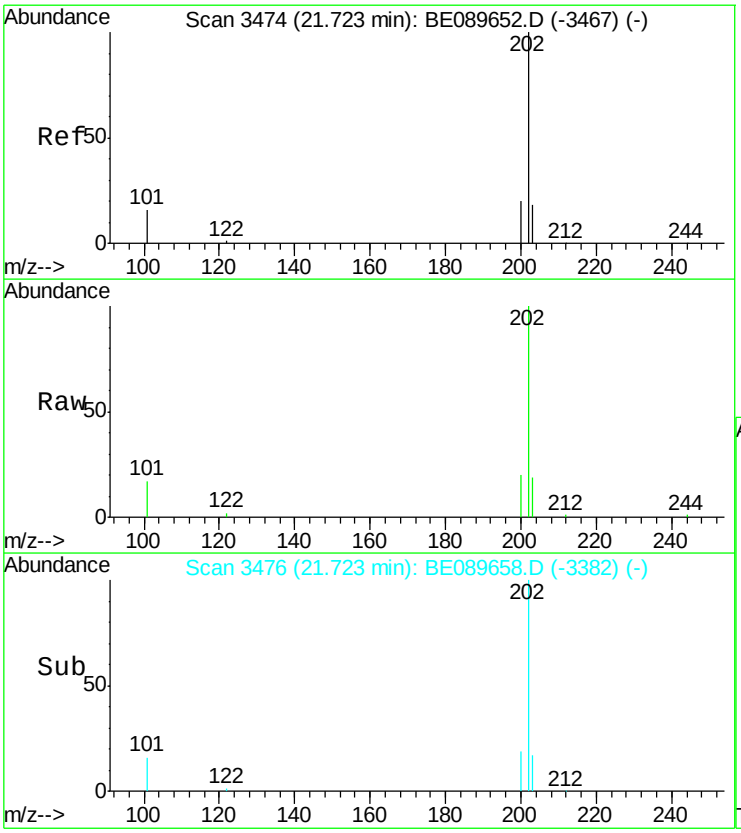


#17
Anthracene
Concen: 0.14 ng
RT: 19.91 min Scan# 3192
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:178 Resp: 4089

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.3	21.5
179	15.4	12.1	18.1

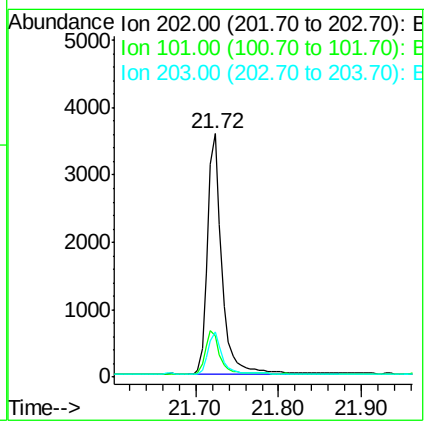


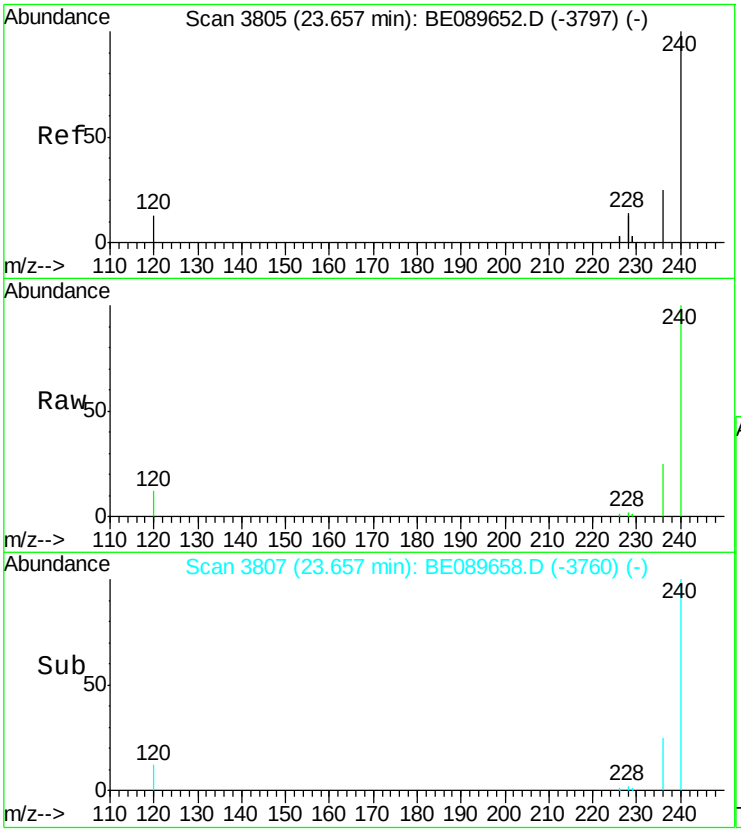


#18
Fluoranthene
Concen: 0.15 ng
RT: 21.72 min Scan# 3476
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:202 Resp: 4334

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.9	22.3
203	17.2	13.7	20.5

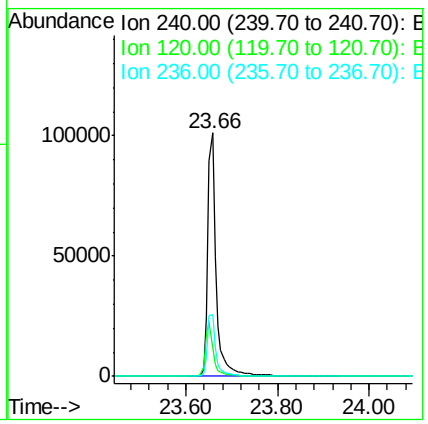


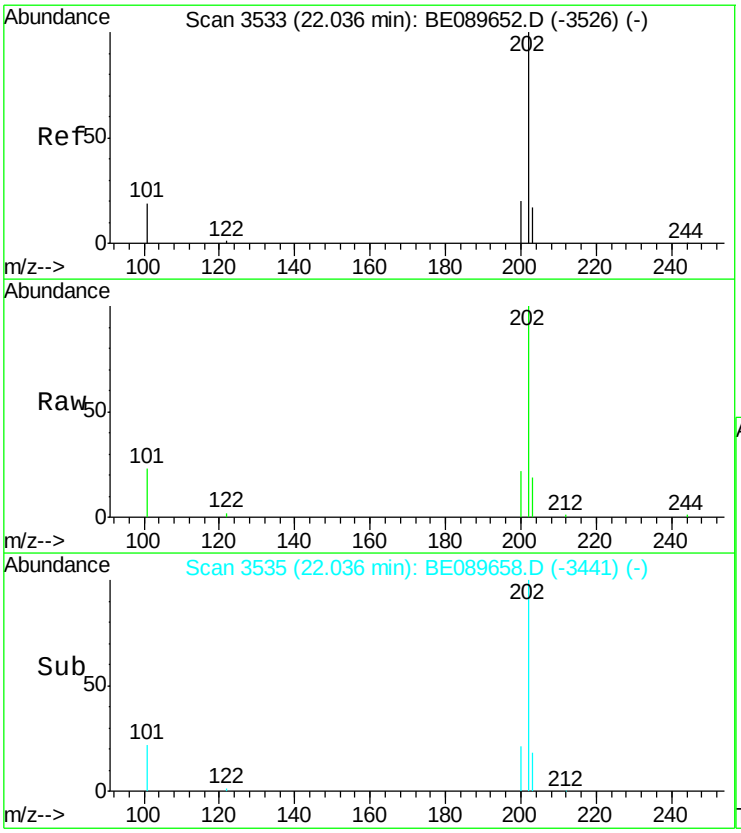


#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:240 Resp: 128577

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.6	15.8
236	25.2	20.3	30.5

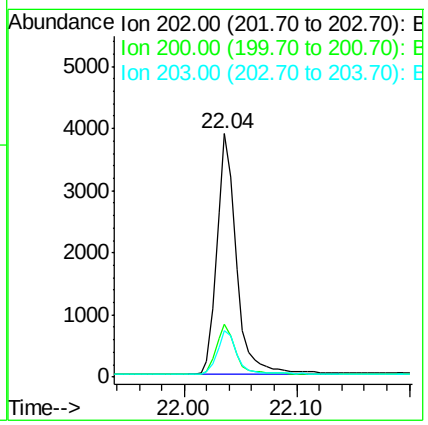


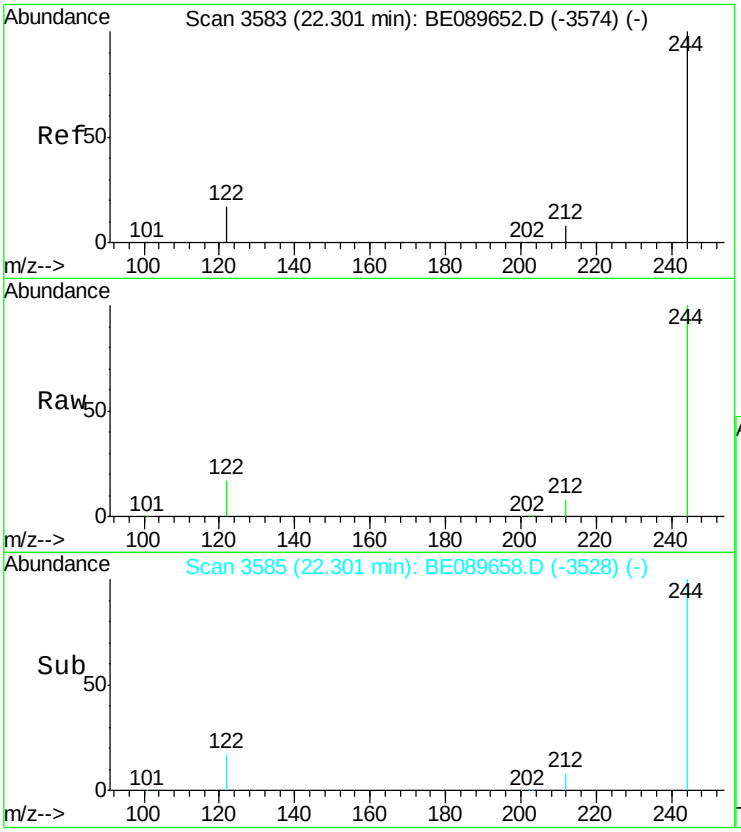


#20
Pyrene
Concen: 0.14 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:202 Resp: 4661

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	18.2	13.8	20.6

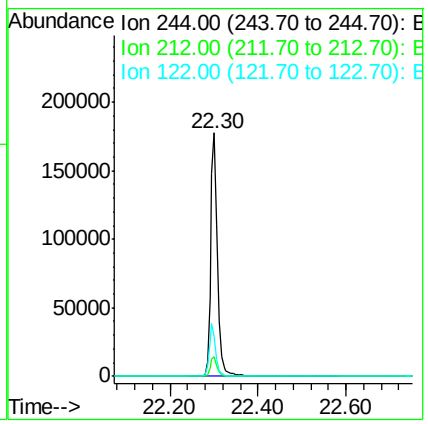


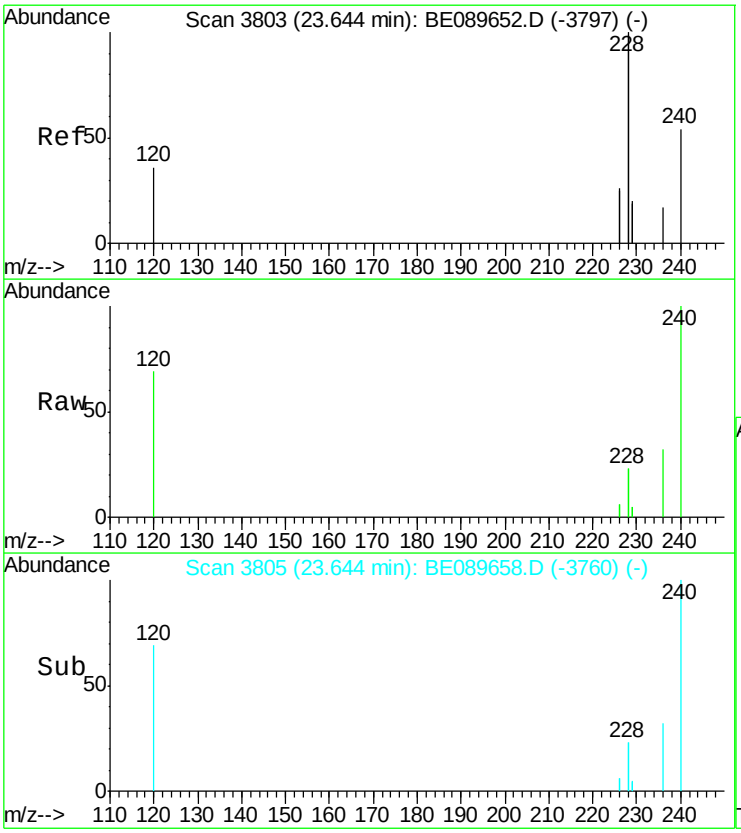


#21
Terphenyl-d14
Concen: 10.19 ng
RT: 22.30 min Scan# 3585
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:244 Resp: 187180

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	10.0
122	16.7	13.7	20.5

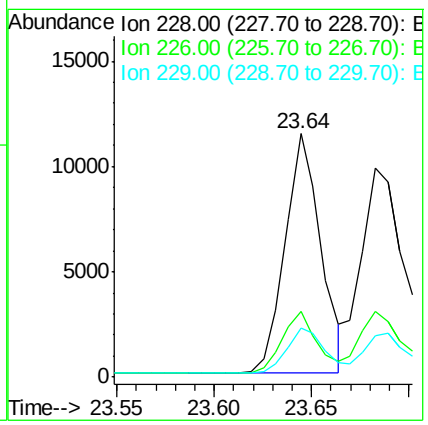


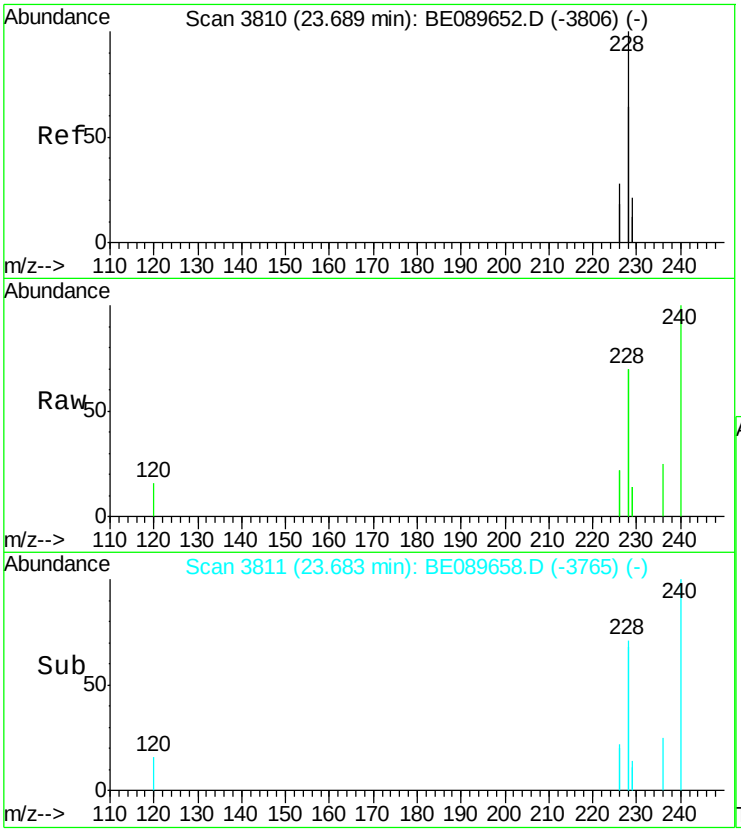


#22
Benzo(a)anthracene
Concen: 0.16 ng
RT: 23.64 min Scan# 3805
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:228 Resp: 14560

Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.9	31.3
229	20.4	15.8	23.6

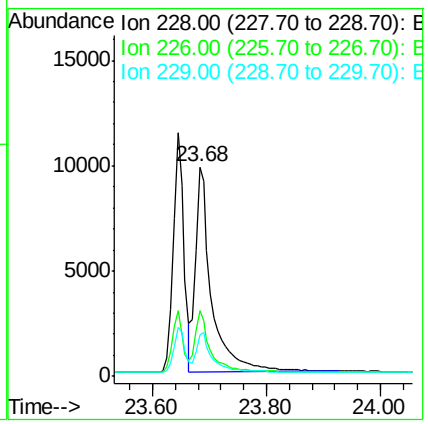


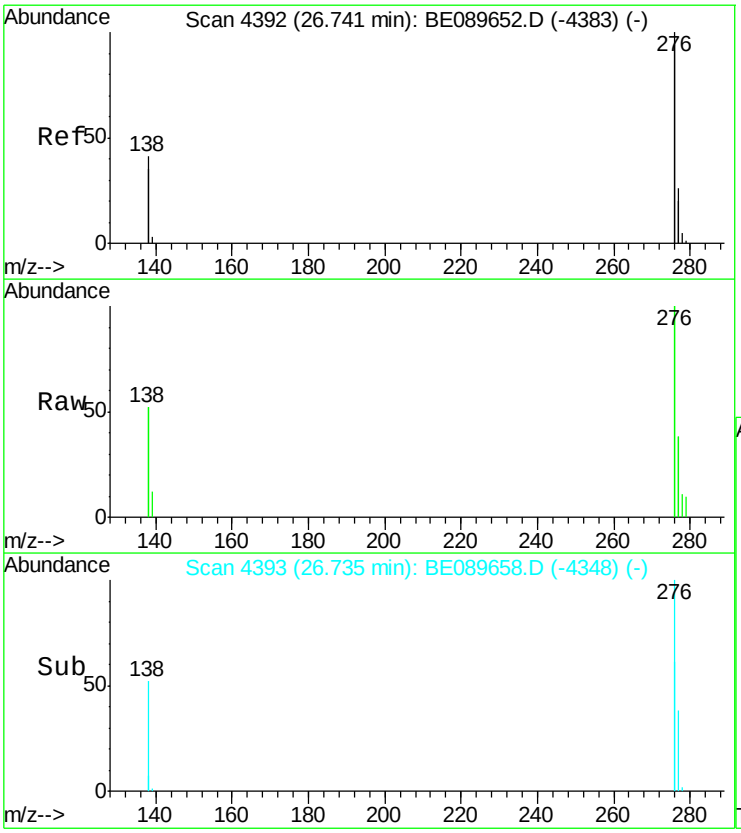


#23
Chrysene
Concen: 0.16 ng
RT: 23.68 min Scan# 3811
Delta R.T. -0.01 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:228 Resp: 19329

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.0	33.0
229	20.0	16.6	24.8

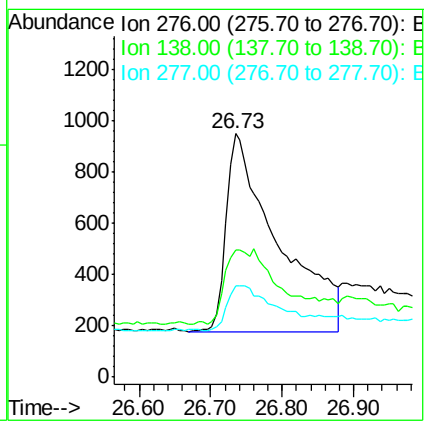


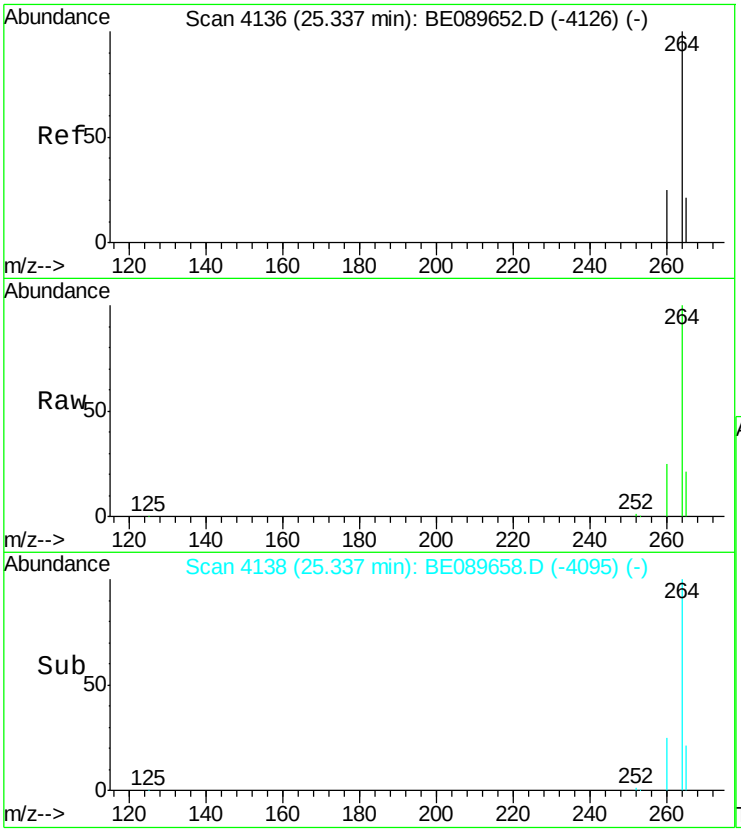


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 26.73 min Scan# 4393
Delta R.T. -0.01 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:276 Resp: 3888

Ion	Ratio	Lower	Upper
276	100		
138	0.0	36.2	54.4#
277	21.2	5.4	8.2#

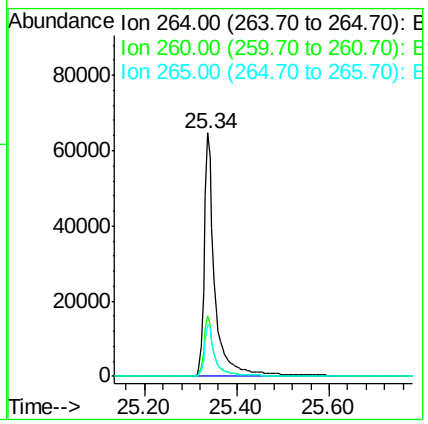


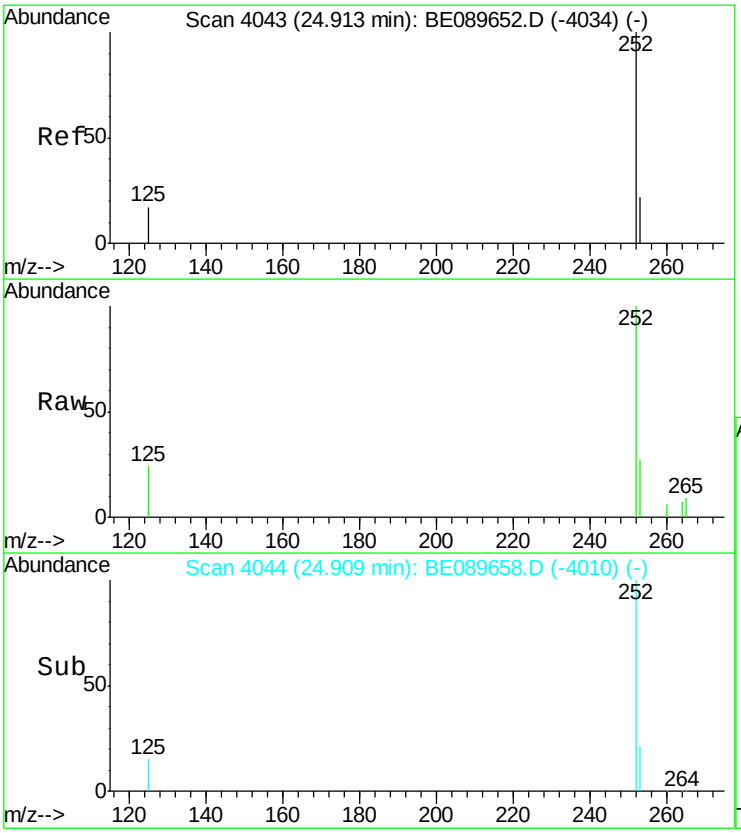


#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:264 Resp: 102227

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.3	16.8	25.2

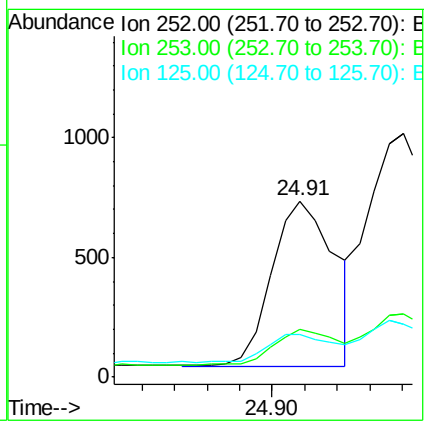


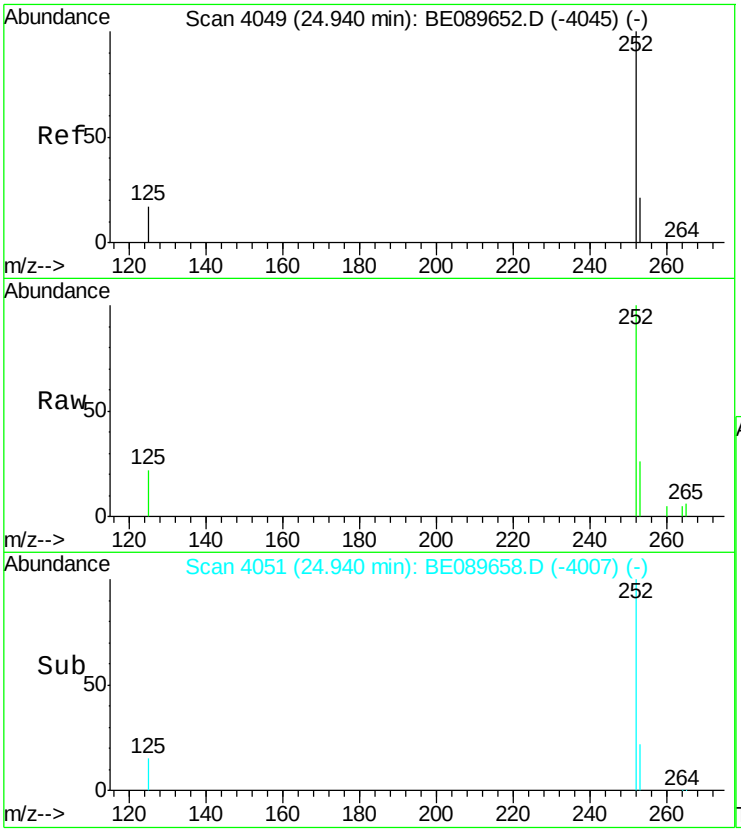


#26
Benzo(b)fluoranthene
Concen: 0.42 ng m
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:252 Resp: 927

Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.3	27.5
125	24.1	14.6	22.0#

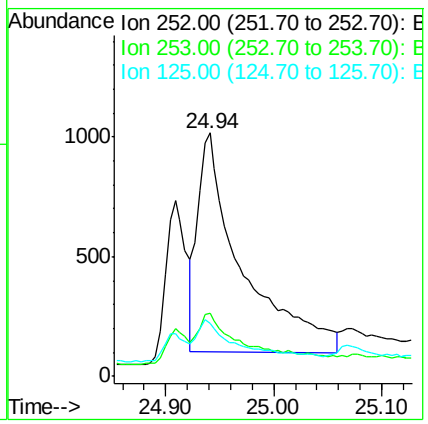


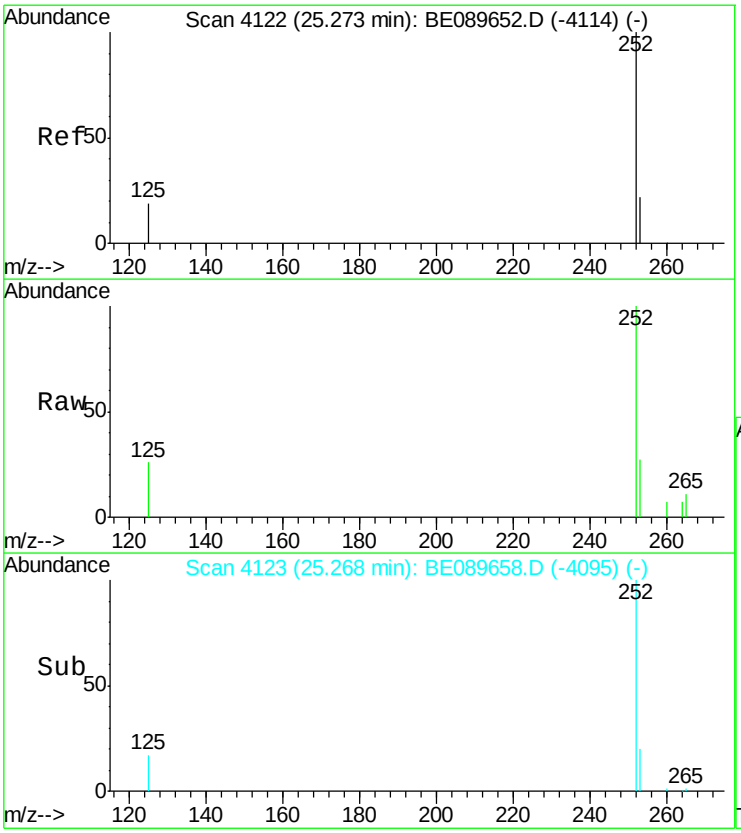


#27
Benzo(k)fluoranthene
Concen: 0.12 ng m
RT: 24.94 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:252 Resp: 2591

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	21.6	14.3	21.5#

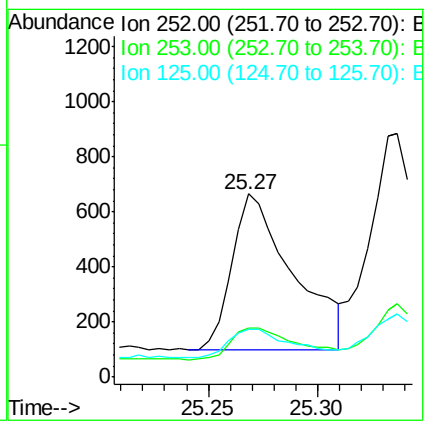


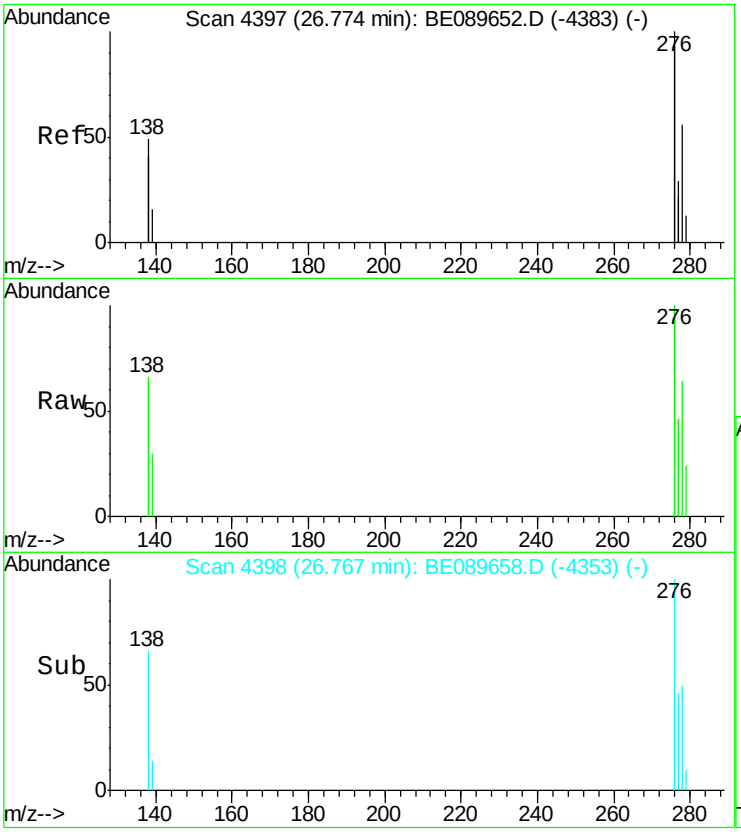


#28
Benzo(a)pyrene
Concen: 0.38 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:252 Resp: 1099

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	26.2	15.9	23.9#

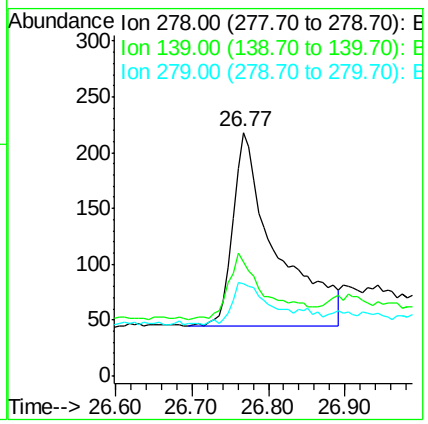


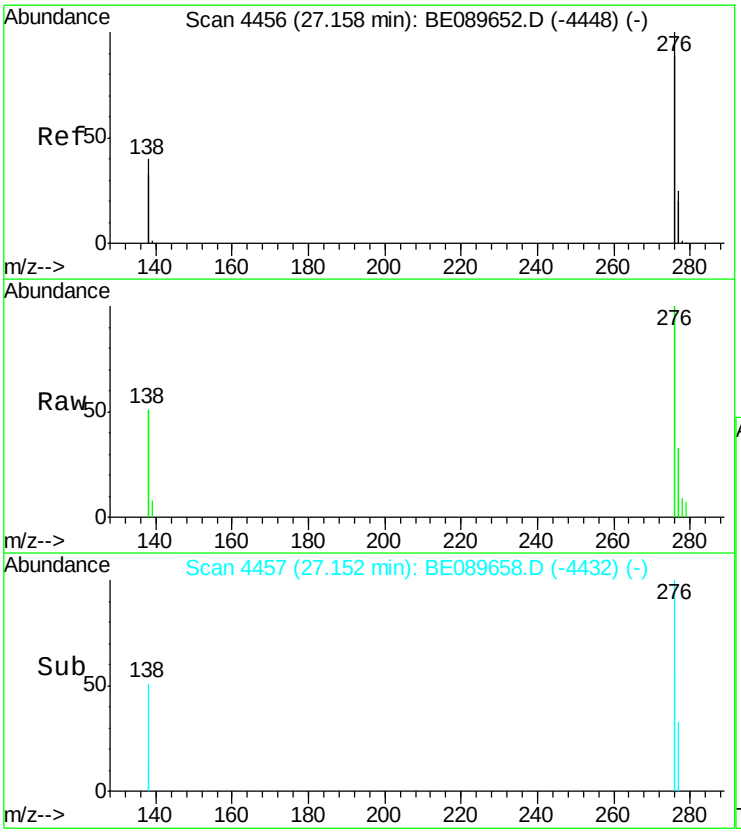


#29
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.01 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:278 Resp: 669

Ion	Ratio	Lower	Upper
278	100		
139	46.8	25.4	38.2#
279	37.6	20.0	30.0#





#30
Benzo(g,h,i)perylene
Concen: 0.29 ng
RT: 27.15 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BE089658.D
Acq: 24 Feb 2015 2:43

Tgt Ion:276 Resp: 5918

Ion	Ratio	Lower	Upper
276	100		
277	32.8	20.2	30.2#
138	50.8	32.4	48.6#