Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089660.D
Acq On : 24 Feb 2015 4:01
Operator : TP/JJ
Sample : MDL-04-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 24 05:46:33 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

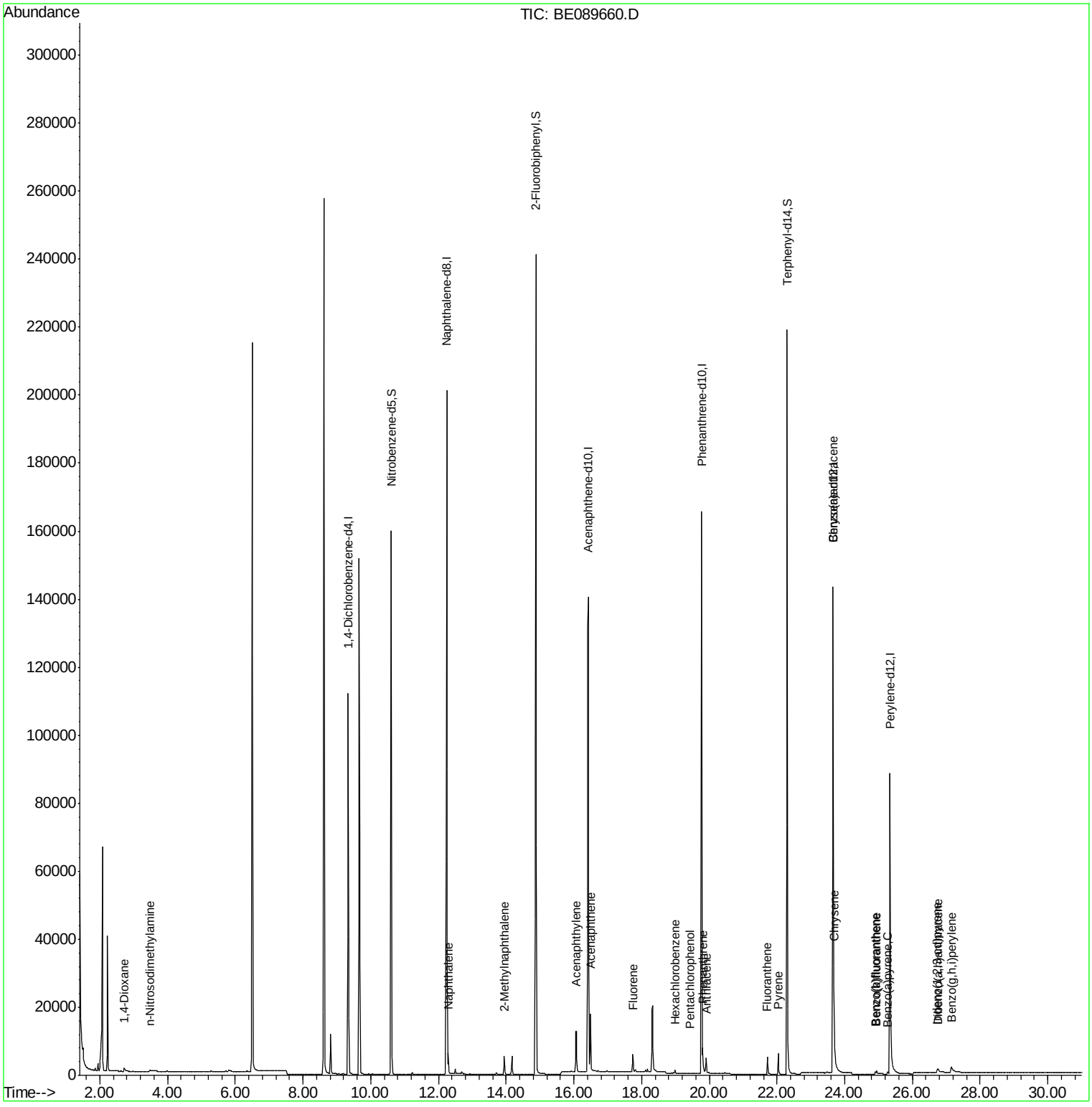
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	48967	5.00	ng		0.00
4) Naphthalene-d8	12.24	136	225074	5.00	ng		0.00
8) Acenaphthene-d10	16.42	164	93940	5.00	ng		0.00
13) Phenanthrene-d10	19.77	188	168333	5.00	ng		0.00
19) Chrysene-d12	23.66	240	125451	5.00	ng		0.00
25) Perylene-d12	25.34	264	96318	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	10.60	82	110504	8.14	ng		0.00
9) 2-Fluorobiphenyl	14.88	172	220256	10.43	ng		0.00
21) Terphenyl-d14	22.30	244	178907	9.99	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.72	88	966	0.15	ng	#	82
3) n-Nitrosodimethylamine	3.47	42	863	0.15	ng		96
6) Naphthalene	12.29	128	6970	0.15	ng		98
7) 2-Methylnaphthalene	13.95	142	3819	0.15	ng		97
10) Acenaphthylene	16.07	152	18731	0.14	ng		100
11) Acenaphthene	16.49	154	3361	0.15	ng		96
12) Fluorene	17.74	166	3644	0.15	ng		100
14) Hexachlorobenzene	18.99	284	748	0.16	ng		97
15) Pentachlorophenol	19.44	266	49	0.24	ng	#	80
16) Phenanthrene	19.81	178	5826	0.16	ng		97
17) Anthracene	19.91	178	4556	0.15	ng		99
18) Fluoranthene	21.72	202	4253	0.14	ng		99
20) Pyrene	22.03	202	4632	0.15	ng		99
22) Benzo(a)anthracene	23.64	228	12933	0.15	ng		98
23) Chrysene	23.68	228	20210	0.17	ng		96
24) Indeno(1,2,3-cd)pyrene	26.73	276	3268	0.39	ng	#	89
26) Benzo(b)fluoranthene	24.91	252	826	0.42	ng	#	85
27) Benzo(k)fluoranthene	24.94	252	2446m	0.12	ng		
28) Benzo(a)pyrene	25.27	252	952	0.37	ng	#	87
29) Dibenzo(a,h)anthracene	26.77	278	478	0.39	ng	#	67
30) Benzo(g,h,i)perylene	27.15	276	4487	0.28	ng	#	81

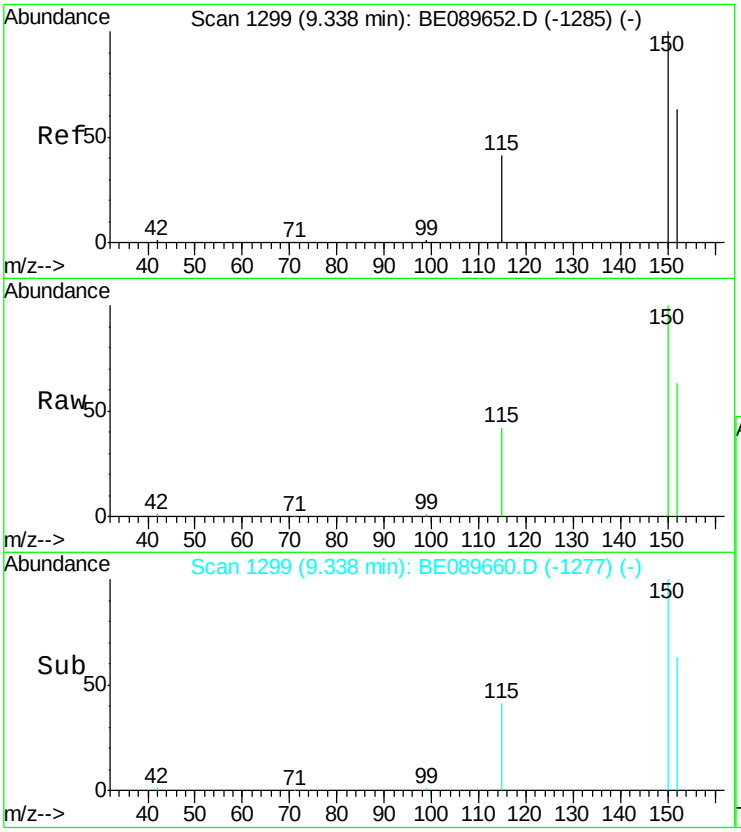
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089660.D
Acq On : 24 Feb 2015 4:01
Operator : TP/JJ
Sample : MDL-04-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 24 05:46:33 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

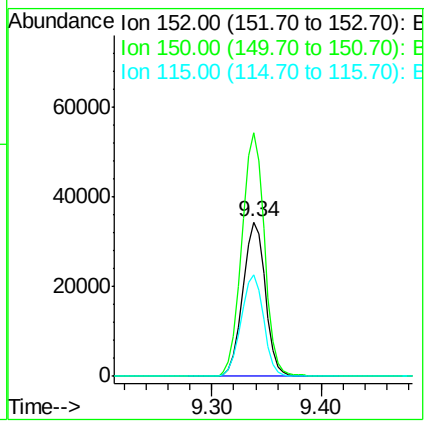


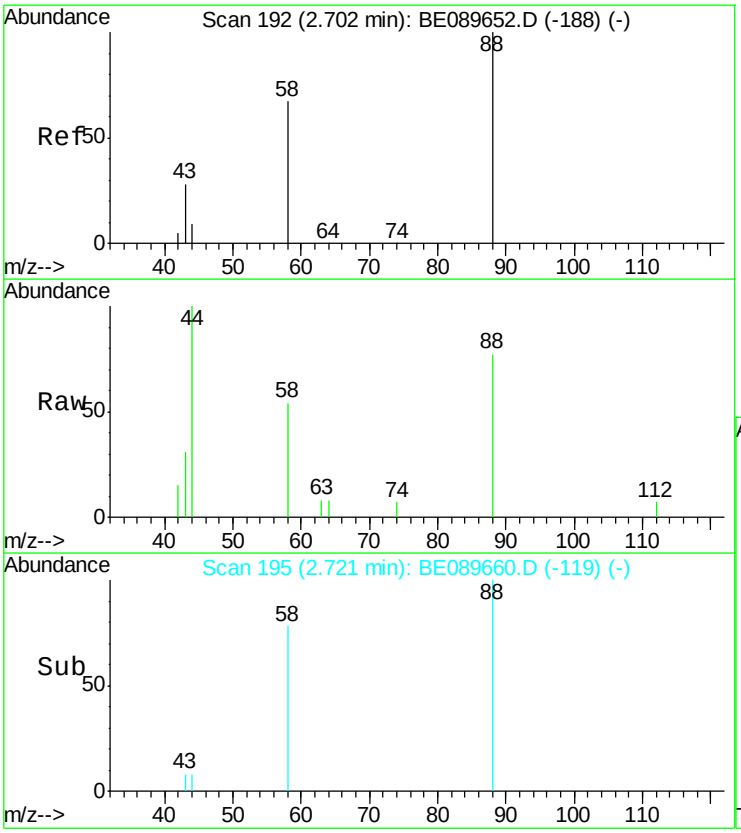


#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:152 Resp: 48967

Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.0	190.6
115	65.4	52.4	78.6

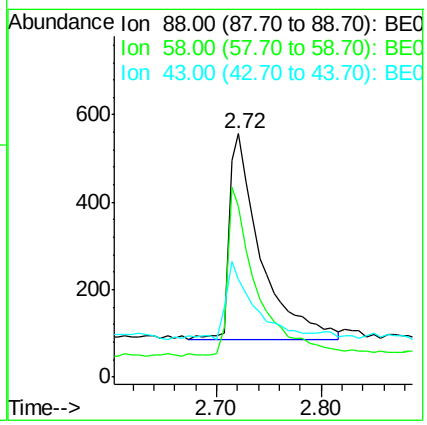


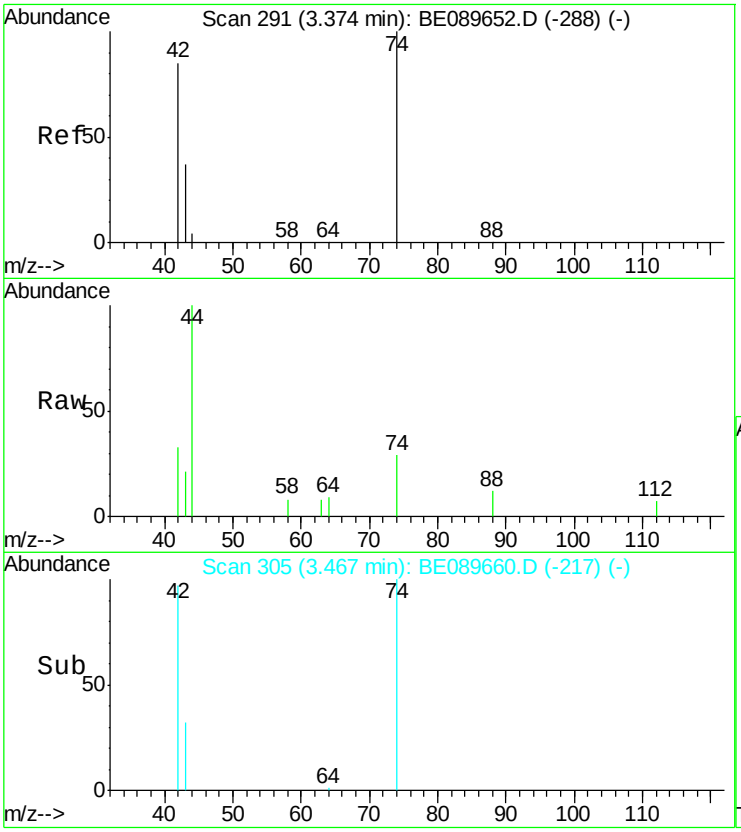


#2
1,4-Dioxane
Concen: 0.15 ng
RT: 2.72 min Scan# 195
Delta R.T. 0.02 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion: 88 Resp: 966

Ion	Ratio	Lower	Upper
88	100		
58	78.4	61.8	92.6
43	0.0	26.4	39.6#

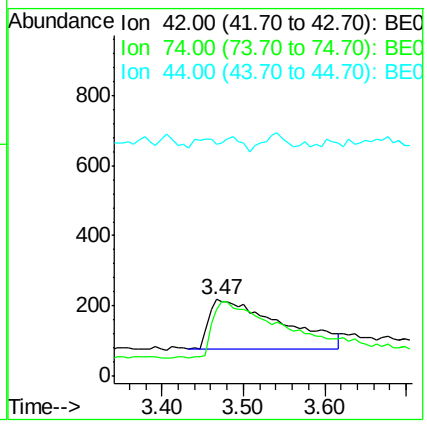


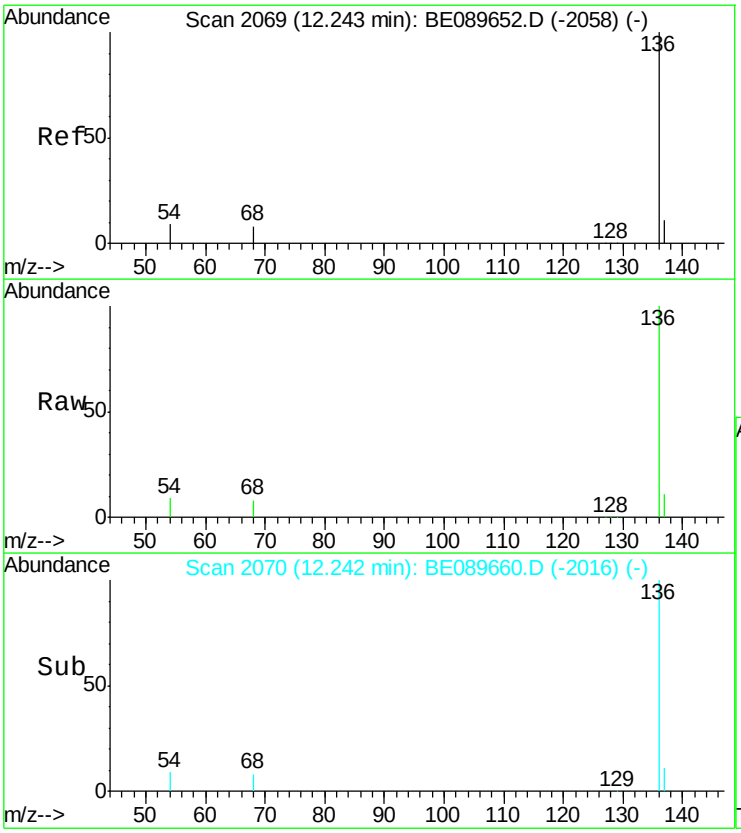


#3
n-Nitrosodimethylamine
Concen: 0.15 ng
RT: 3.47 min Scan# 305
Delta R.T. 0.09 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion: 42 Resp: 863

Ion	Ratio	Lower	Upper
42	100		
74	111.6	92.5	138.7
44	5.2	4.9	7.3

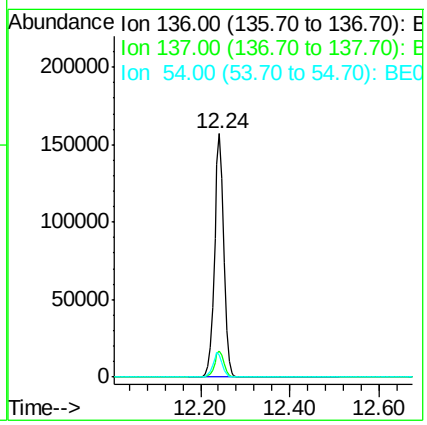


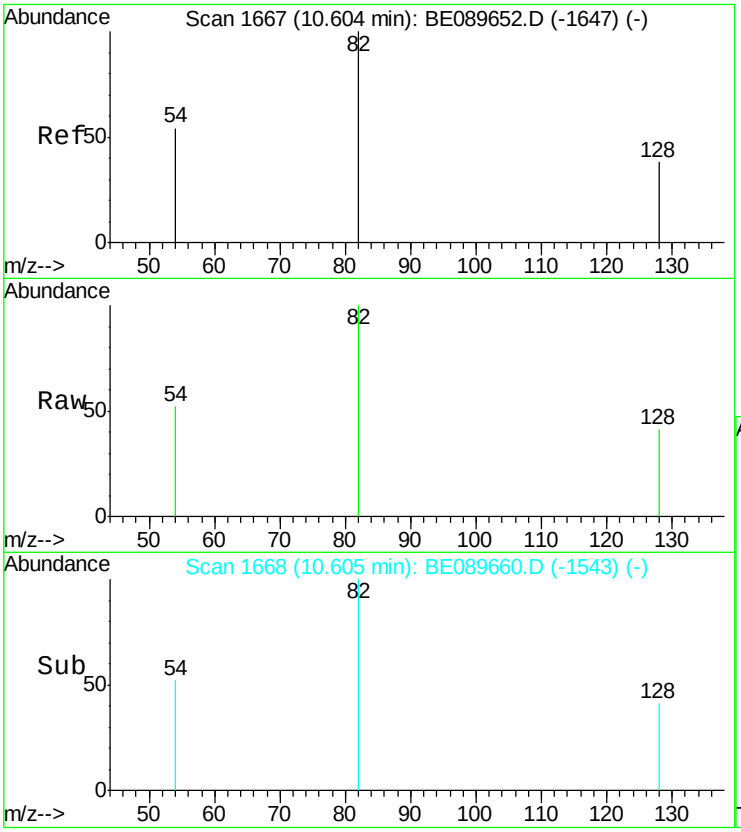


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:136 Resp: 225074

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.3	7.5	11.3

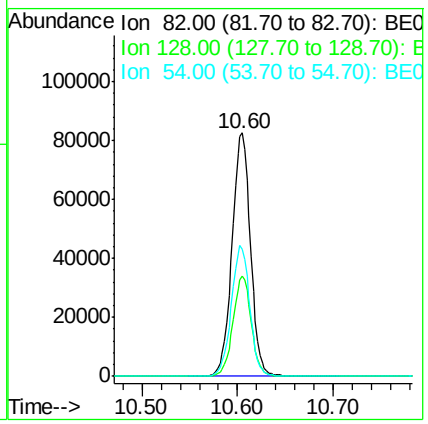


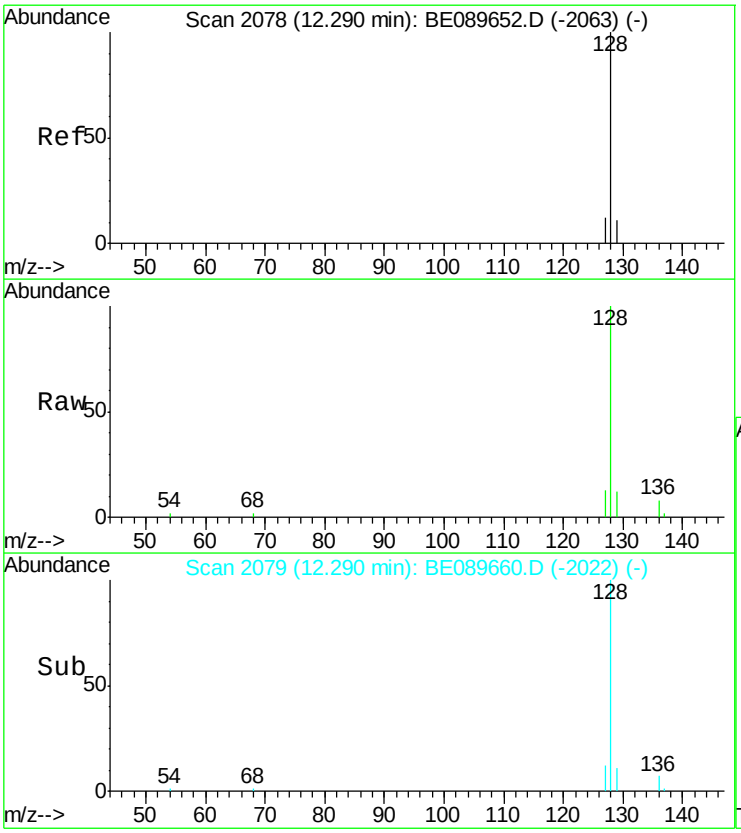


#5
Nitrobenzene-d5
Concen: 8.14 ng
RT: 10.60 min Scan# 1668
Delta R.T. 0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion: 82 Resp: 110504

Ion	Ratio	Lower	Upper
82	100		
128	41.3	31.0	46.4
54	52.5	43.8	65.8

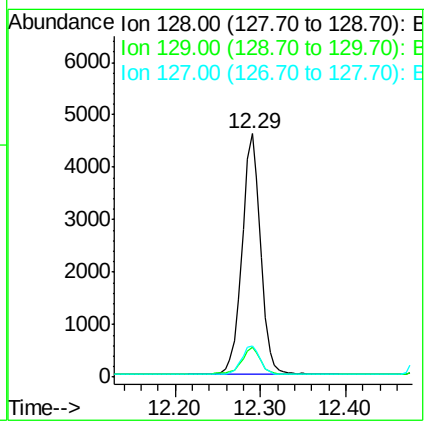


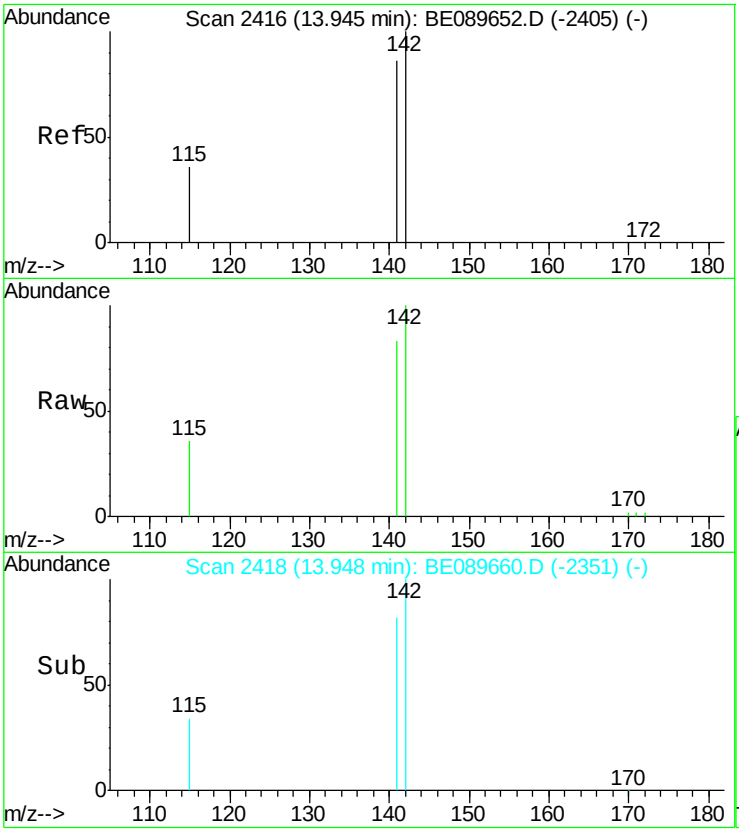


#6
Naphthalene
Concen: 0.15 ng
RT: 12.29 min Scan# 2079
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:128 Resp: 6970

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	12.6	9.8	14.6

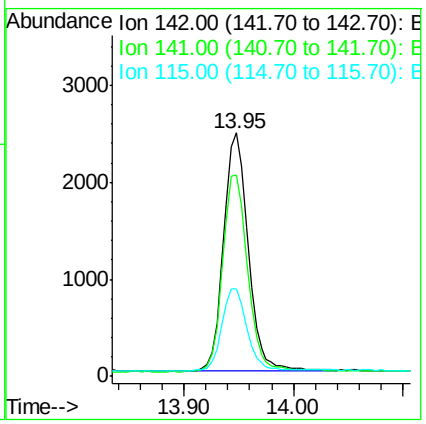


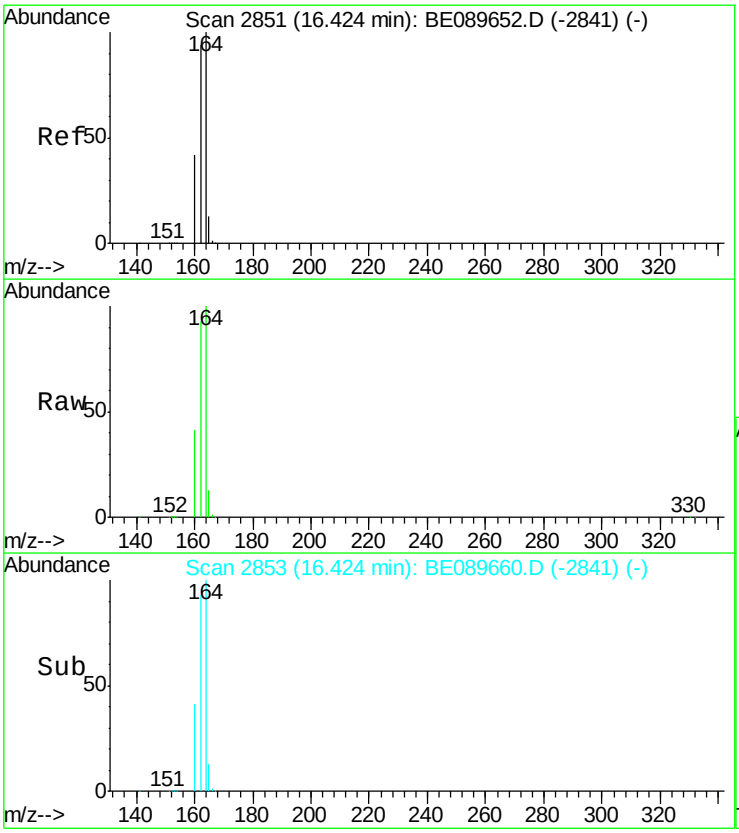


#7
2-Methylnaphthalene
Concen: 0.15 ng
RT: 13.95 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:142 Resp: 3819

Ion	Ratio	Lower	Upper
142	100		
141	82.8	68.6	103.0
115	35.8	29.0	43.6

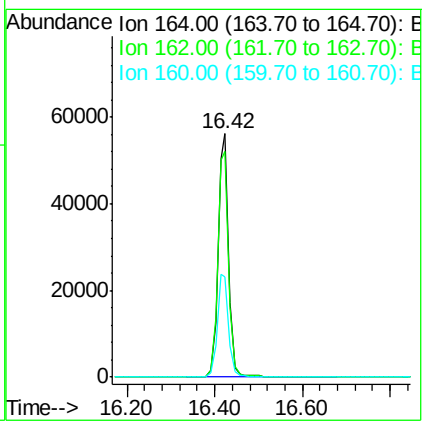


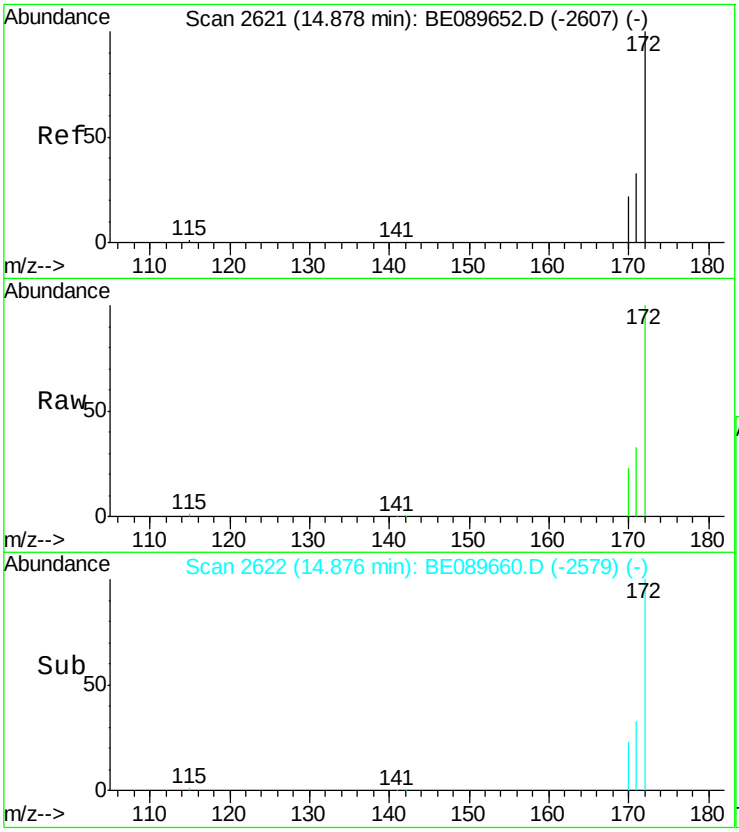


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:164 Resp: 93940

Ion	Ratio	Lower	Upper
164	100		
162	92.9	75.4	113.2
160	41.3	33.7	50.5

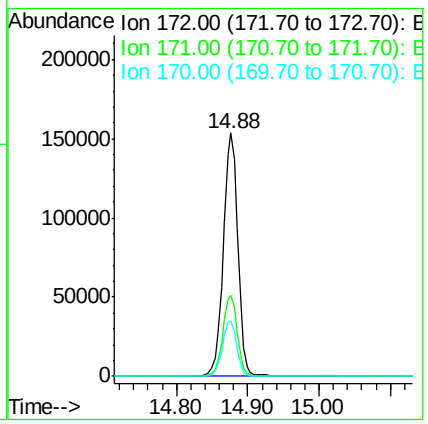


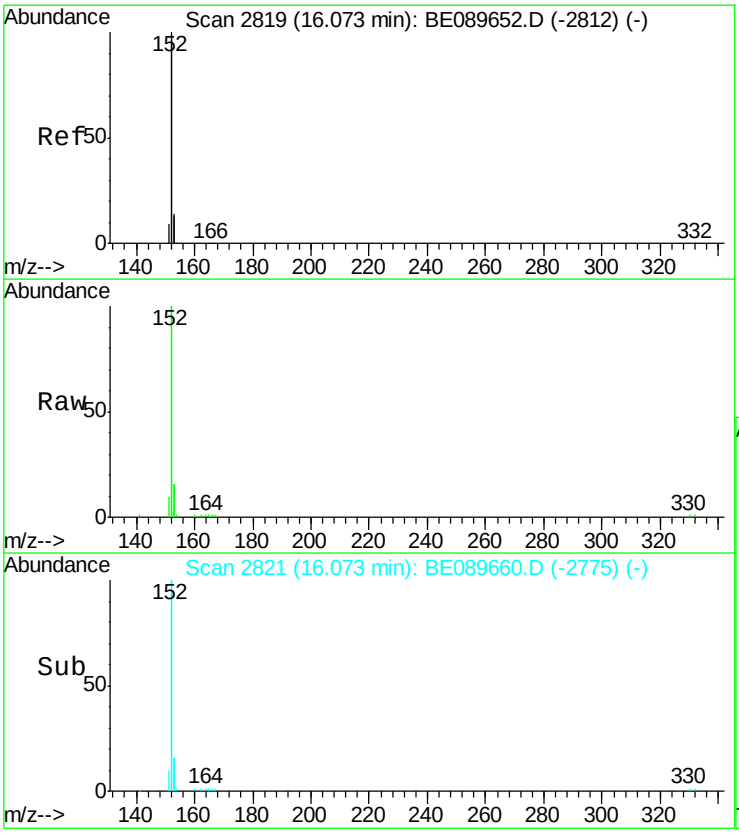


#9
2-Fluorobiphenyl
Concen: 10.43 ng
RT: 14.88 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:172 Resp: 220256

Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.2	39.4
170	22.8	17.7	26.5

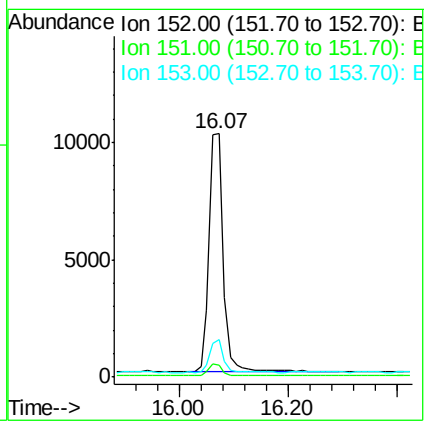


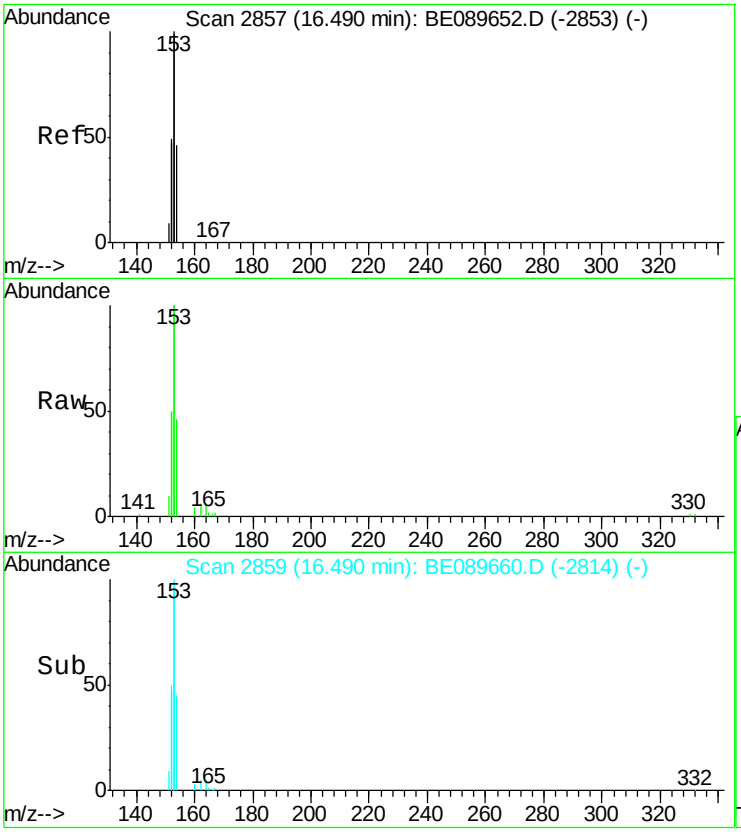


#10
Acenaphthylene
Concen: 0.14 ng
RT: 16.07 min Scan# 2821
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:152 Resp: 18731

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.6
153	13.0	10.4	15.6

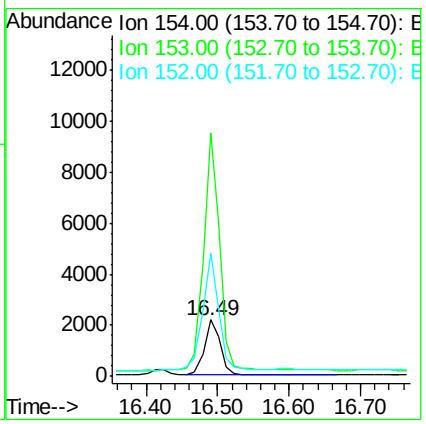


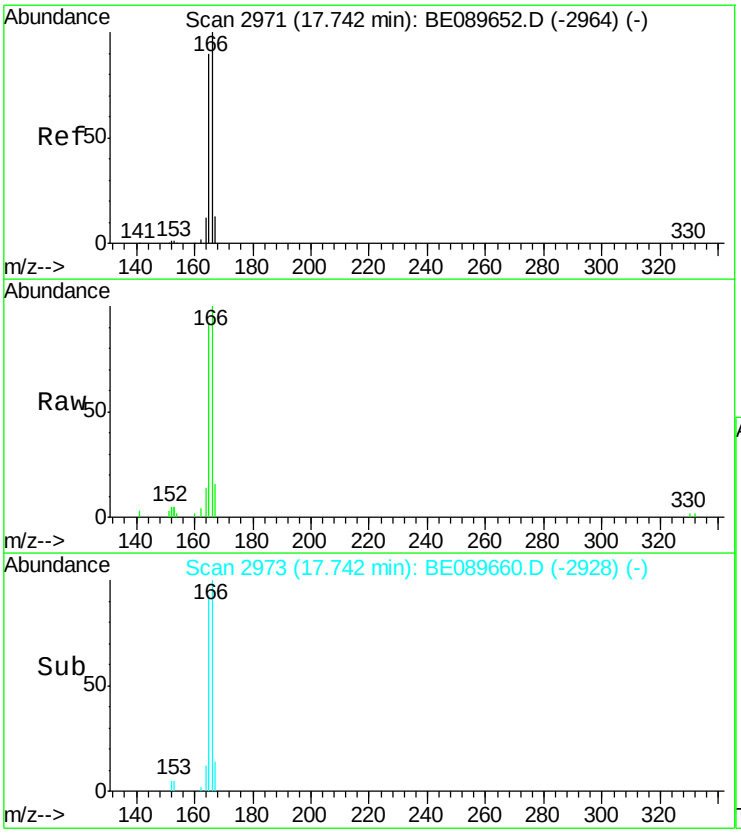


#11
Acenaphthene
Concen: 0.15 ng
RT: 16.49 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:154 Resp: 3361

Ion	Ratio	Lower	Upper
154	100		
153	438.1	343.0	514.4
152	215.6	165.8	248.8

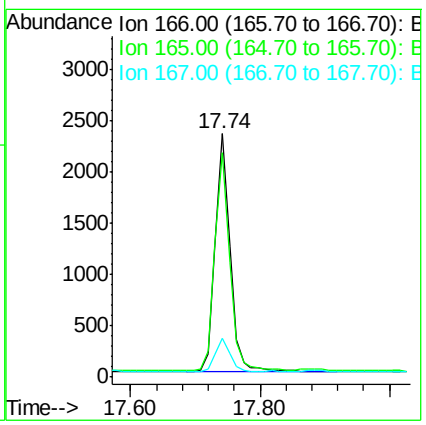


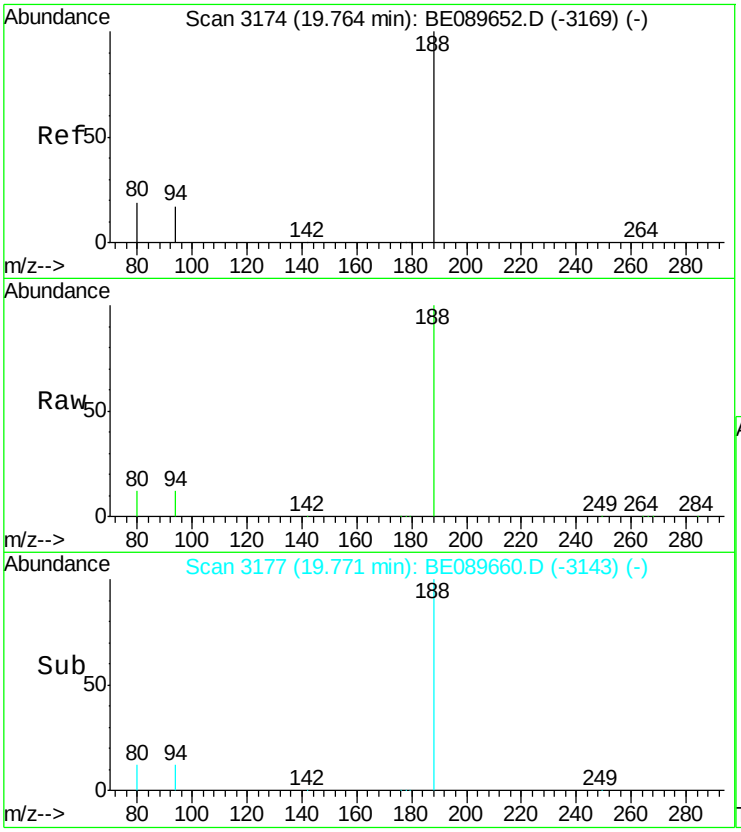


#12
Fluorene
Concen: 0.15 ng
RT: 17.74 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:166 Resp: 3644

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.6	110.4
167	14.1	10.5	15.7

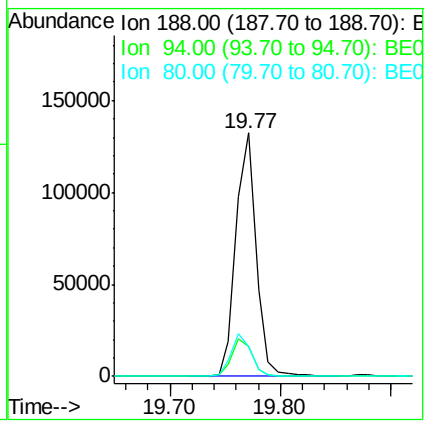


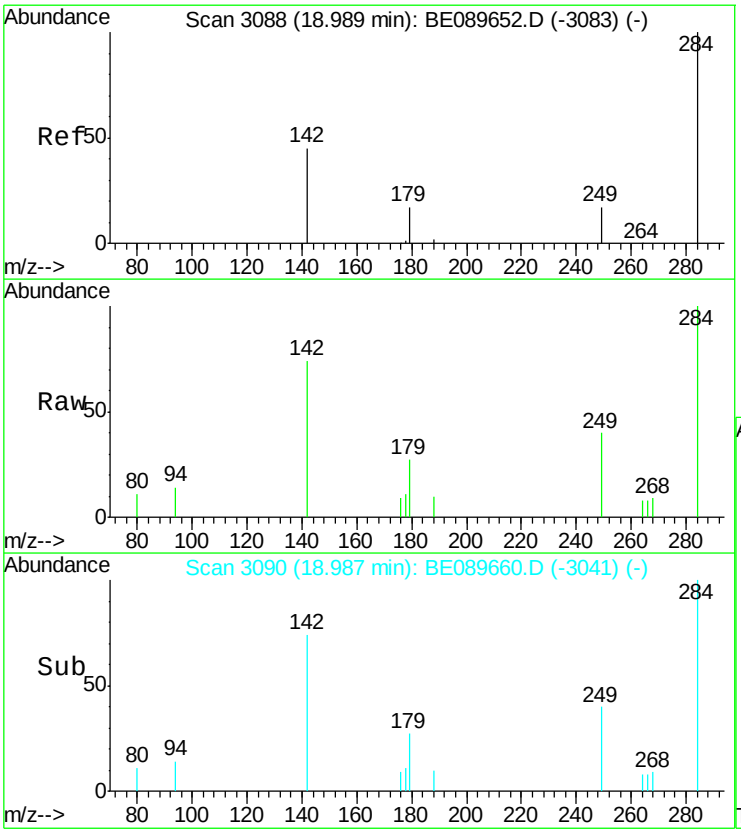


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:188 Resp: 168333

Ion	Ratio	Lower	Upper
188	100		
94	12.2	13.8	20.8#
80	12.5	15.0	22.6#

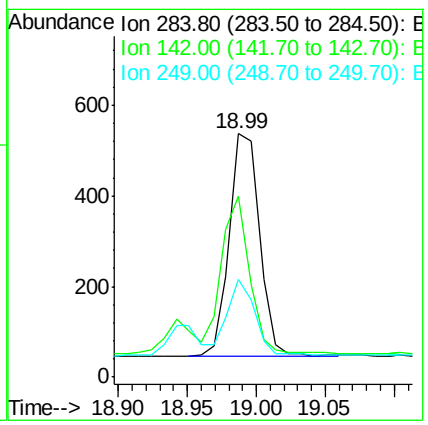


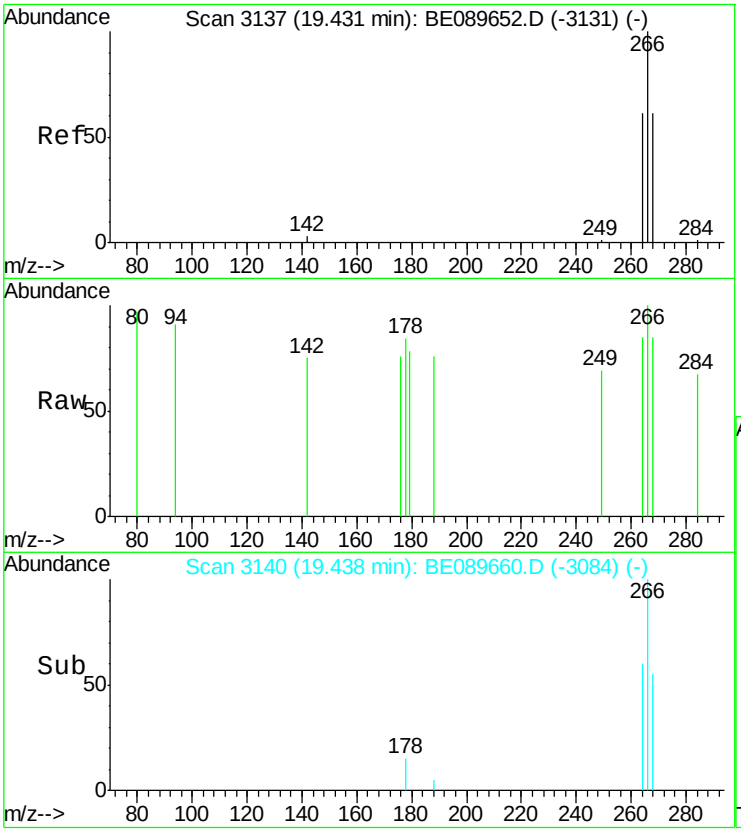


#14
Hexachlorobenzene
Concen: 0.16 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:284 Resp: 748

Ion	Ratio	Lower	Upper
284	100		
142	66.2	55.0	82.6
249	30.3	26.1	39.1

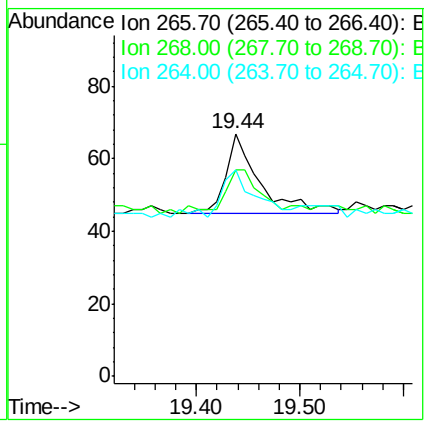


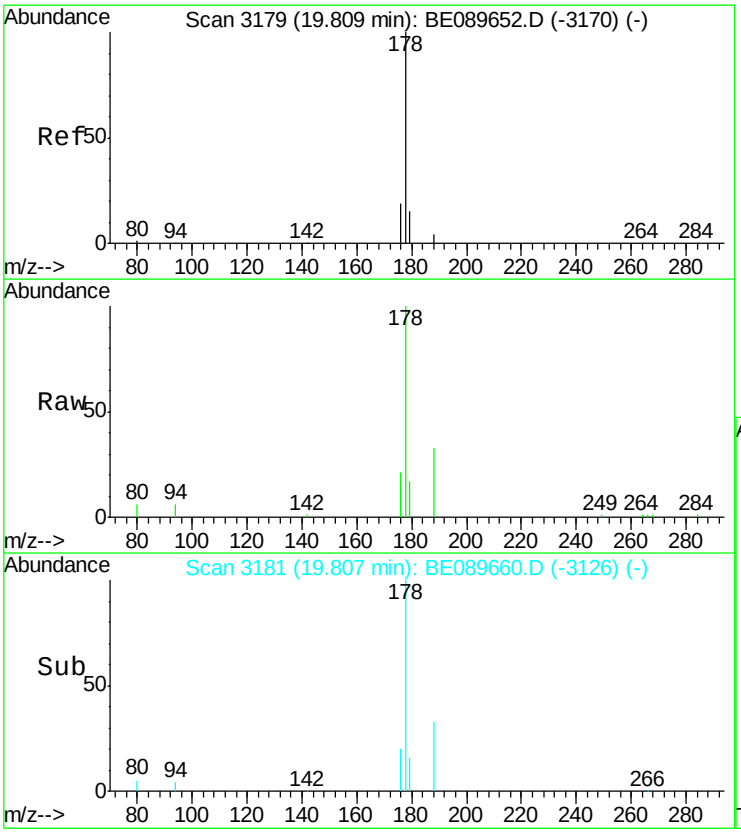


#15
Pentachlorophenol
Concen: 0.24 ng
RT: 19.44 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:266 Resp: 49

Ion	Ratio	Lower	Upper
266	100		
268	85.1	54.7	82.1#
264	85.1	55.4	83.0#

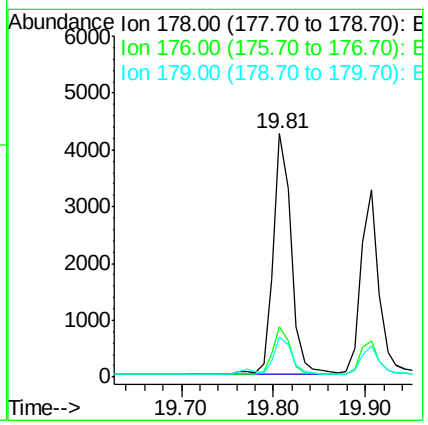


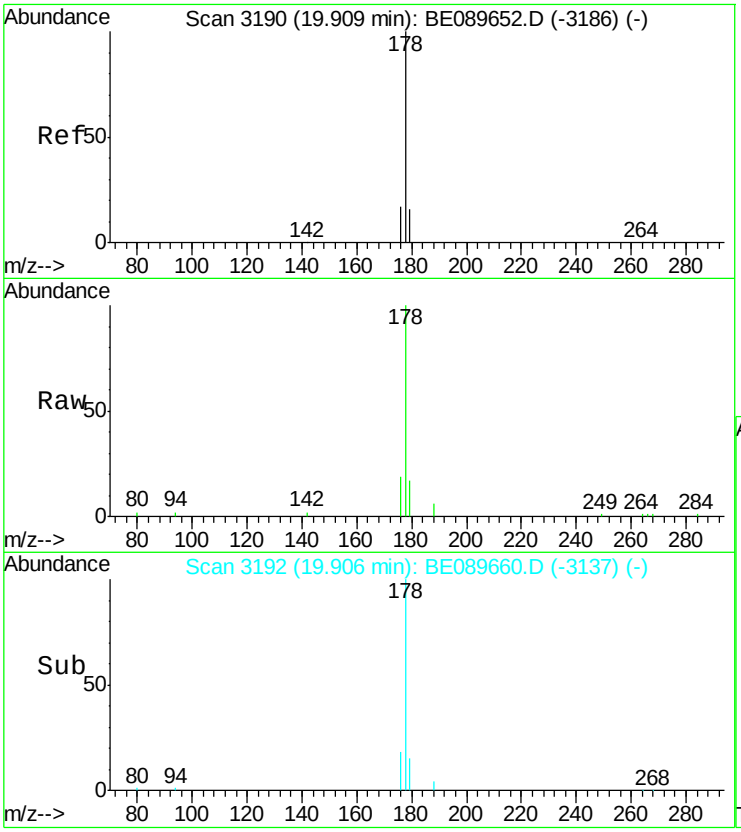


#16
Phenanthrene
Concen: 0.16 ng
RT: 19.81 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:178 Resp: 5826

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	17.6	12.3	18.5

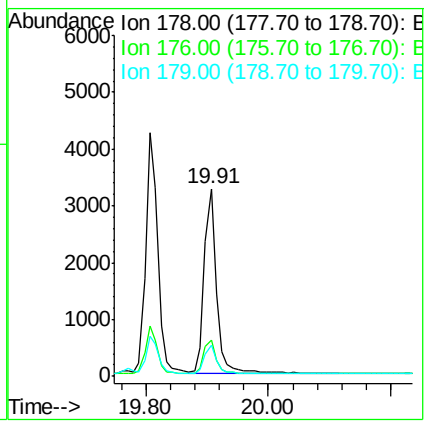


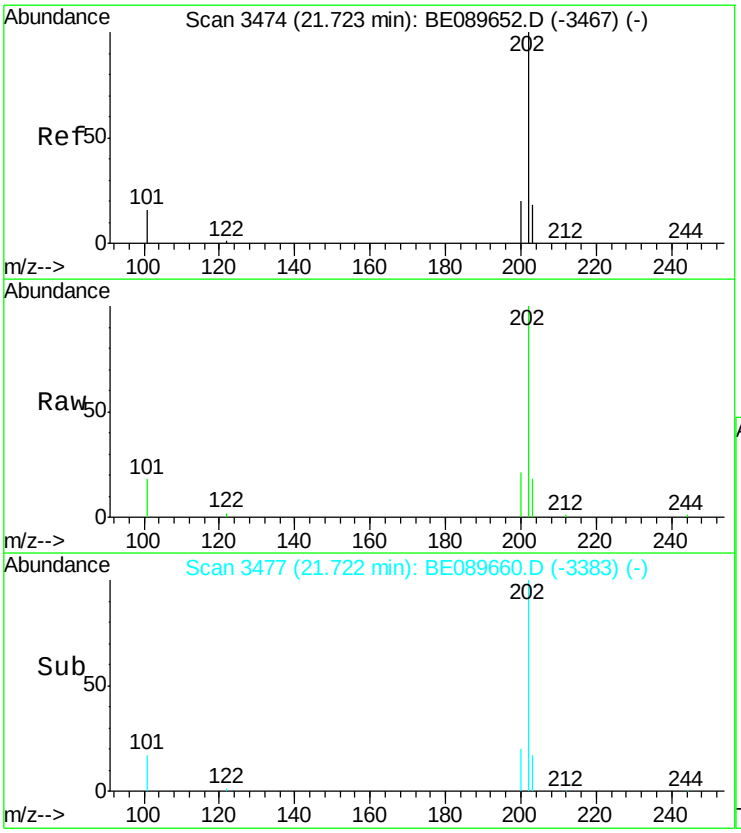


#17
Anthracene
Concen: 0.15 ng
RT: 19.91 min Scan# 3192
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:178 Resp: 4556

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	14.8	12.1	18.1

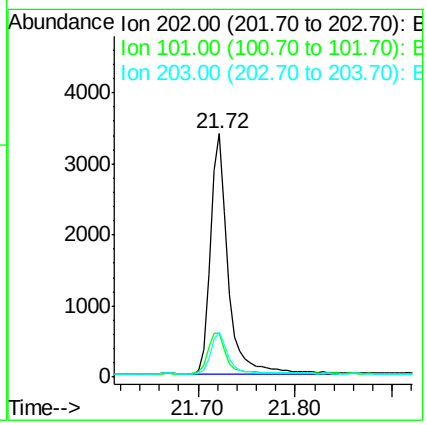


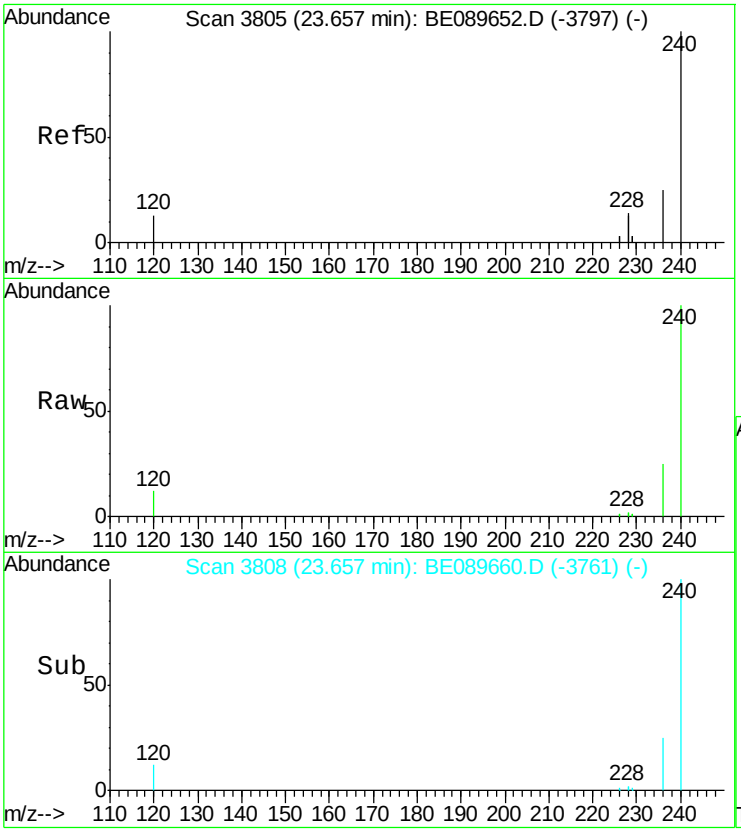


#18
Fluoranthene
Concen: 0.14 ng
RT: 21.72 min Scan# 3477
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:202 Resp: 4253

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.9	22.3
203	16.9	13.7	20.5

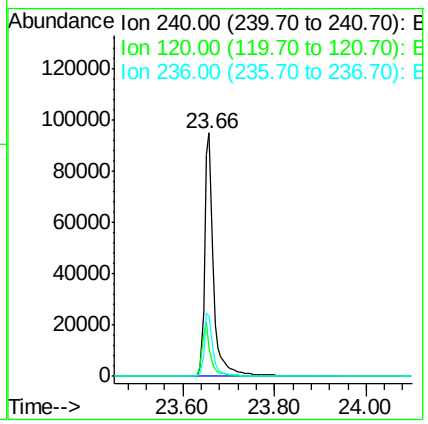


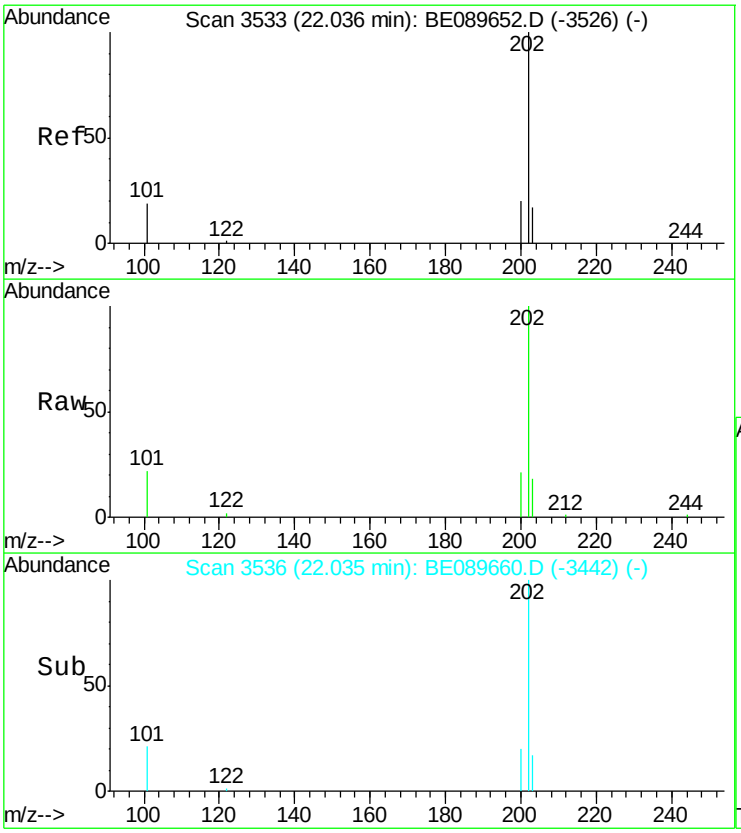


#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3808
Delta R.T. 0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:240 Resp: 125451

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.6	15.8
236	25.0	20.3	30.5

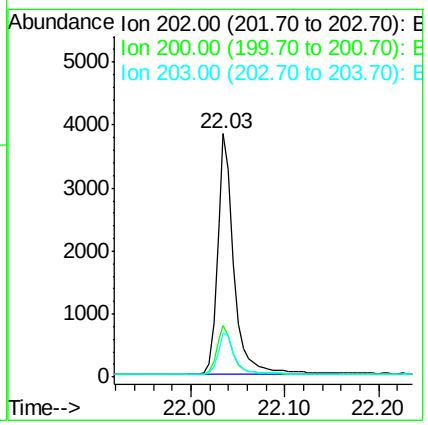


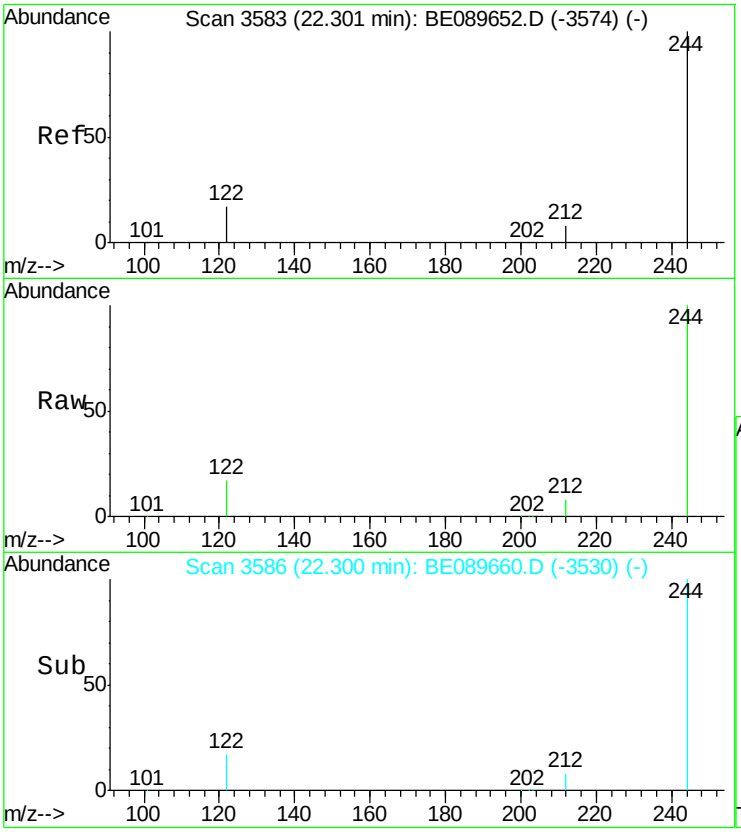


#20
Pyrene
Concen: 0.15 ng
RT: 22.03 min Scan# 3536
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:202 Resp: 4632

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.7	13.8	20.6

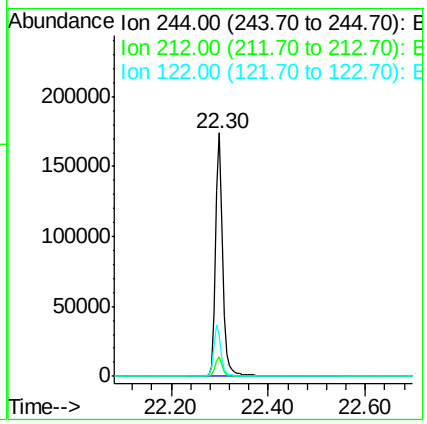


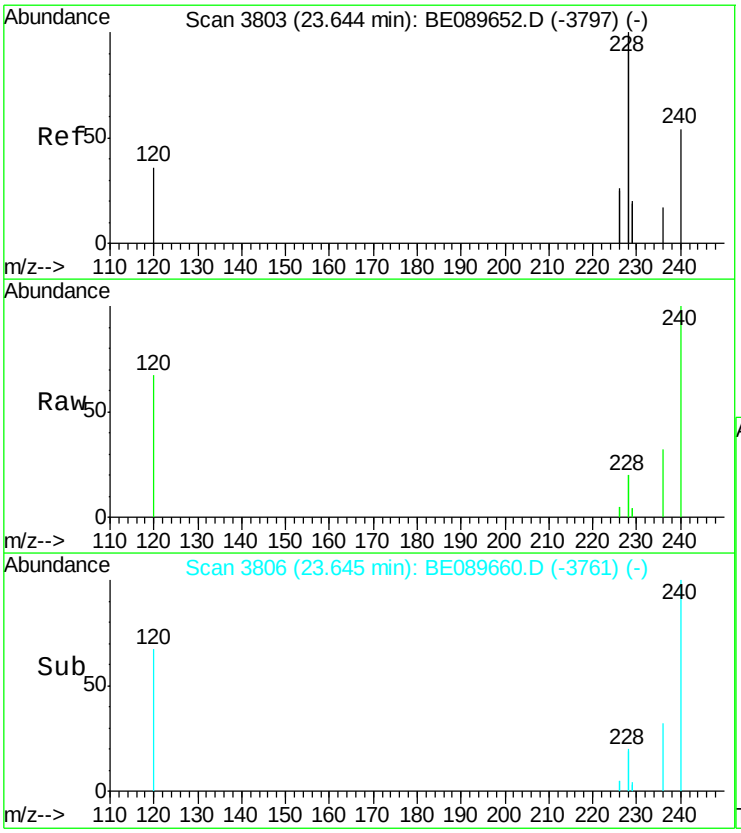


#21
Terphenyl-d14
Concen: 9.99 ng
RT: 22.30 min Scan# 3586
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:244 Resp: 178907

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	10.0
122	17.2	13.7	20.5

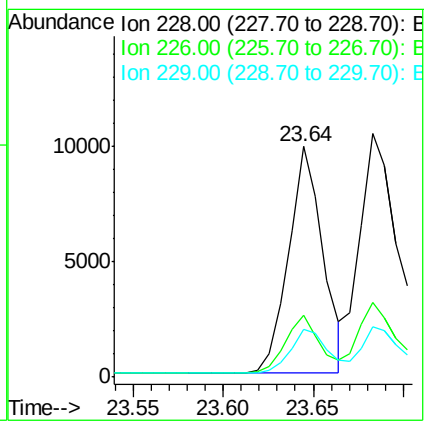


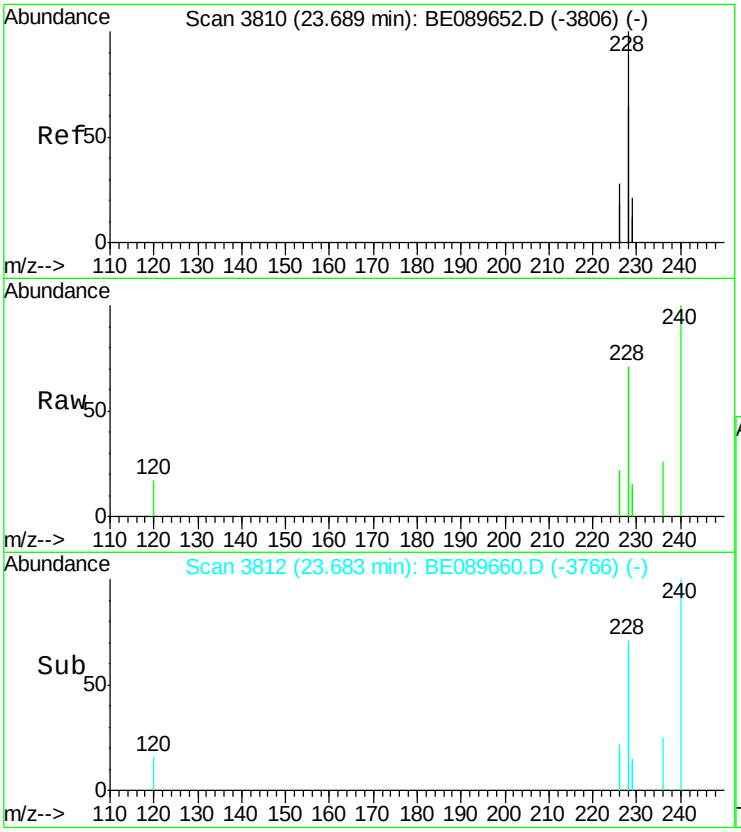


#22
Benzo(a)anthracene
Concen: 0.15 ng
RT: 23.64 min Scan# 3806
Delta R.T. 0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:228 Resp: 12933

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.9	31.3
229	20.6	15.8	23.6

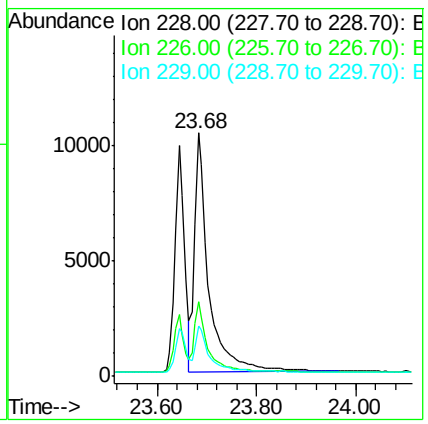


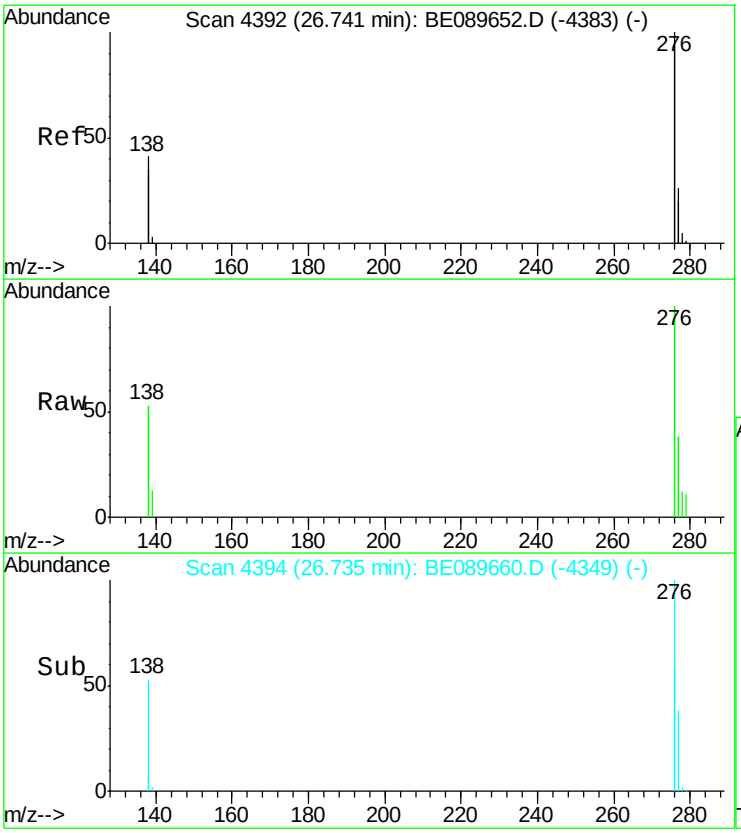


#23
Chrysene
Concen: 0.17 ng
RT: 23.68 min Scan# 3812
Delta R.T. -0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:228 Resp: 20210

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.0	33.0
229	20.6	16.6	24.8

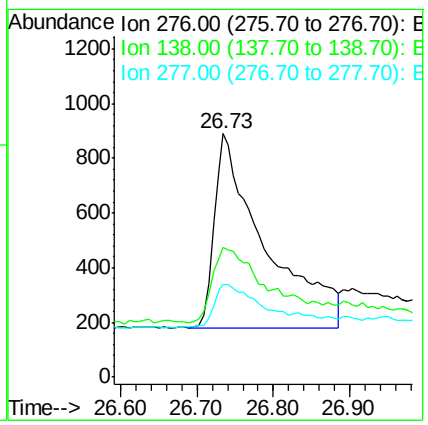


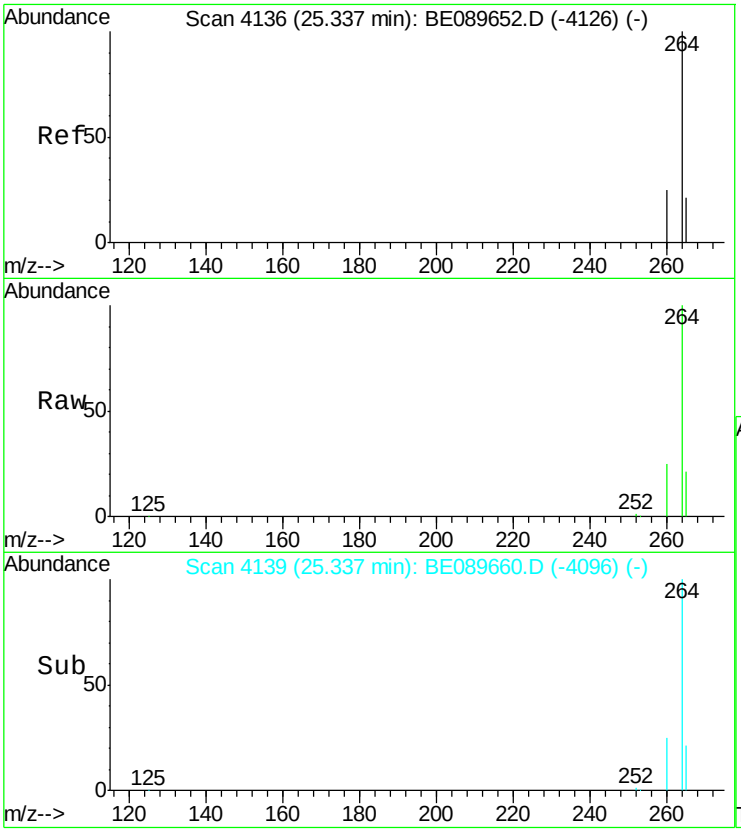


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.73 min Scan# 4394
Delta R.T. -0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:276 Resp: 3268

Ion	Ratio	Lower	Upper
276	100		
138	40.6	36.2	54.4
277	20.2	5.4	8.2#

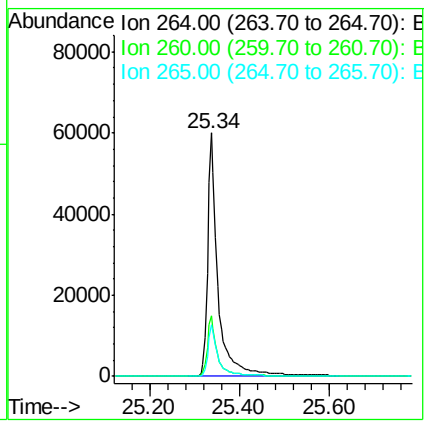


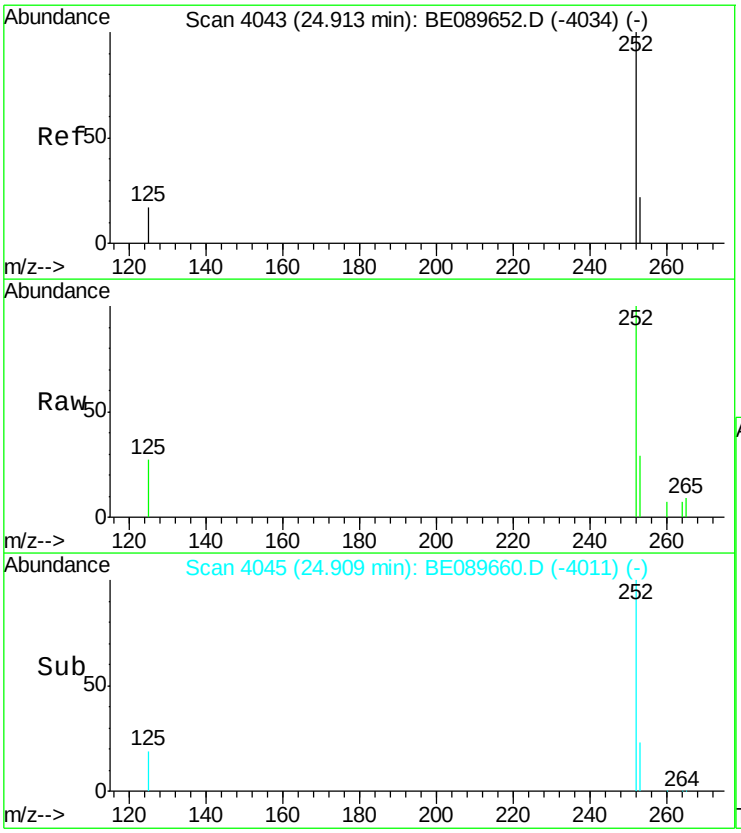


#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4139
Delta R.T. 0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:264 Resp: 96318

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	21.4	16.8	25.2

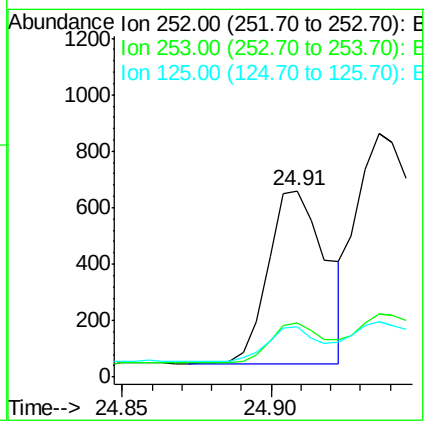


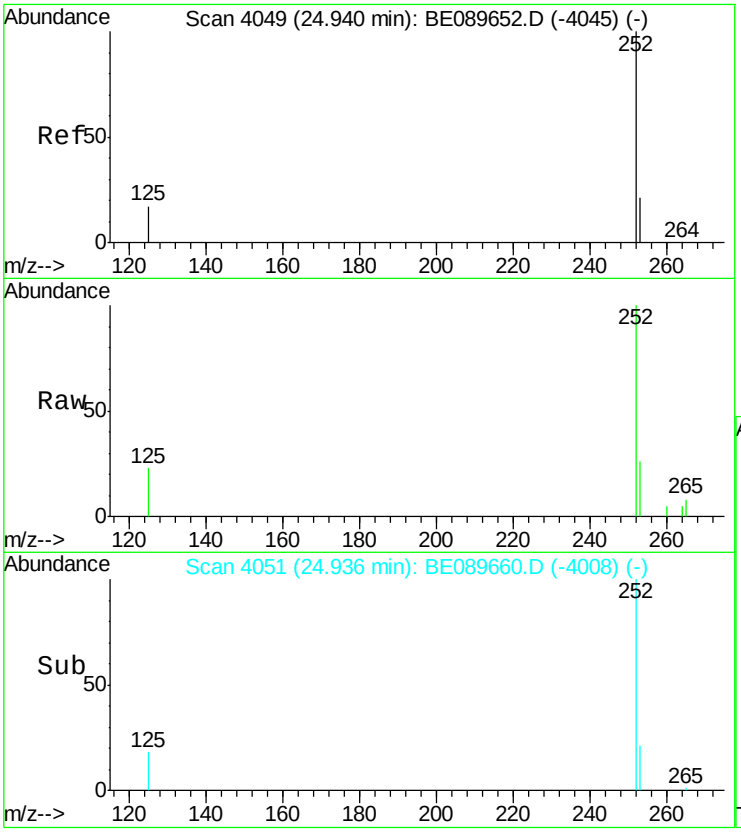


#26
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 24.91 min Scan# 4045
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:252 Resp: 826

Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.3	27.5#
125	26.7	14.6	22.0#

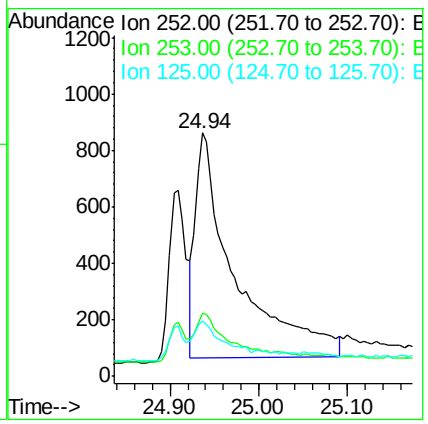


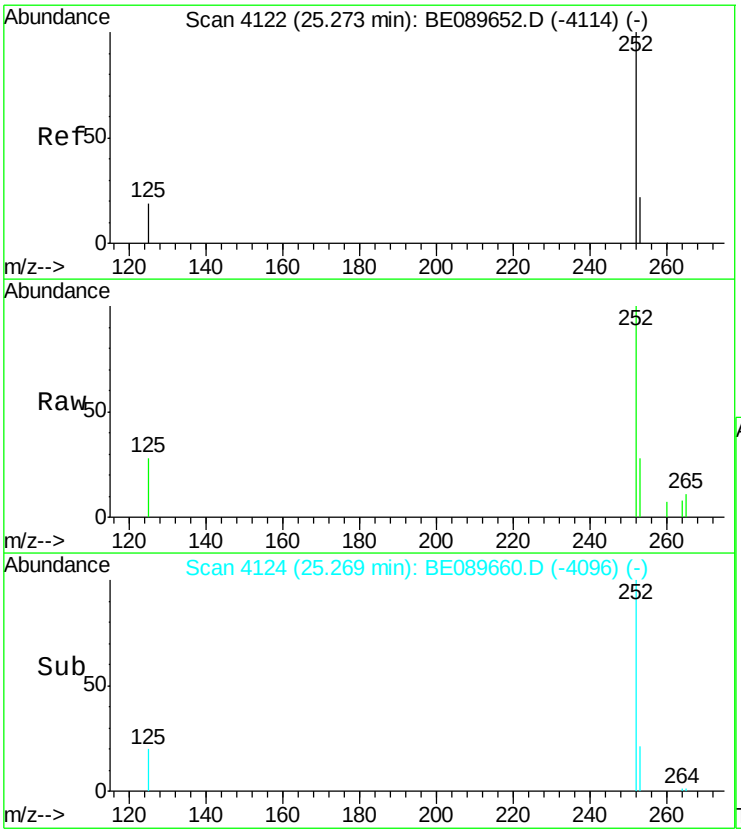


#27
Benzo(k)fluoranthene
Concen: 0.12 ng m
RT: 24.94 min Scan# 4051
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:252 Resp: 2446

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	23.0	14.3	21.5#

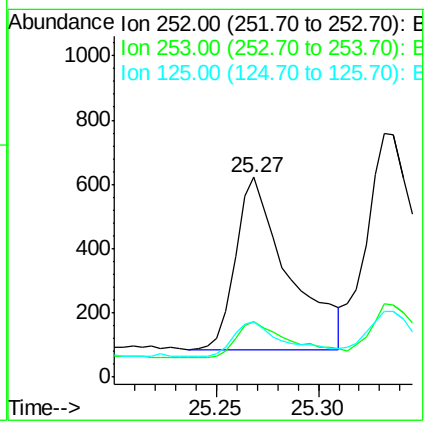


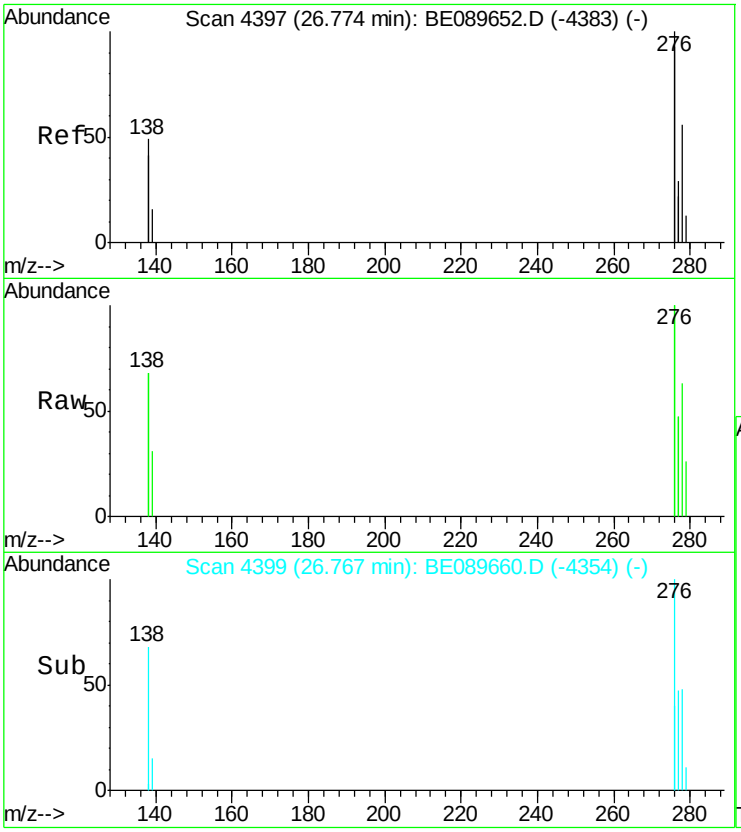


#28
Benzo(a)pyrene
Concen: 0.37 ng
RT: 25.27 min Scan# 4124
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:252 Resp: 952

Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.4	27.6
125	27.7	15.9	23.9#

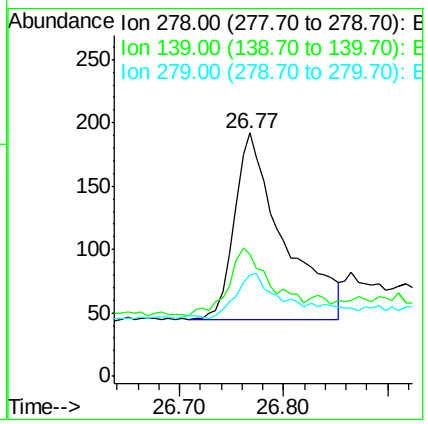


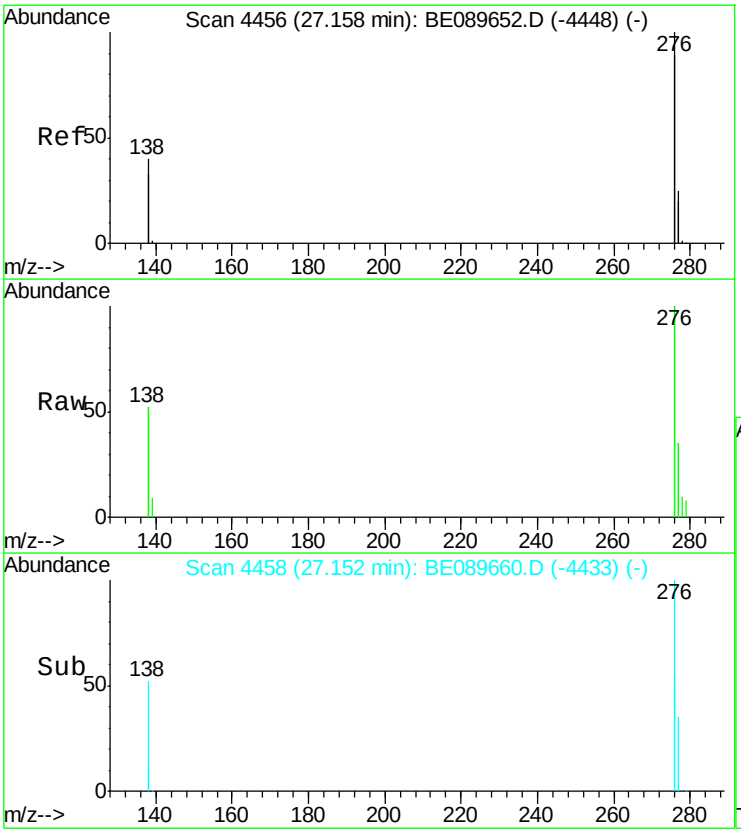


#29
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.77 min Scan# 4399
Delta R.T. -0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:278 Resp: 478

Ion	Ratio	Lower	Upper
278	100		
139	50.0	25.4	38.2#
279	41.7	20.0	30.0#





#30
Benzo(g,h,i)perylene
Concen: 0.28 ng
RT: 27.15 min Scan# 4458
Delta R.T. -0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:276 Resp: 4487

Ion	Ratio	Lower	Upper
276	100		
277	35.2	20.2	30.2#
138	51.8	32.4	48.6#