Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
Data File : BE089513.D
Acq On : 5 Feb 2015 21:30
Operator : TP/IZ
Sample : PB81591BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB81591BS

Quant Time: Feb 06 04:12:21 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE020515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 06 03:21:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	24116	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	97889	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	43971	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	84532	5.00	ng	0.00
16) Chrysene-d12	23.76	240	93979	5.00	ng	0.00
22) Perylene-d12	25.46	264	89956	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	53912	7.22	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	96154	6.94	ng	0.00
18) Terphenyl-d14	22.40	244	125751	7.69	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.44	128	127655	5.18	ng	99
5) 2-Methylnaphthalene	14.10	142	81744	5.06	ng	96
8) Acenaphthylene	16.24	152	525899	5.57	ng	100
9) Acenaphthene	16.65	154	76930	5.31	ng	99
10) Fluorene	17.91	166	94899	6.11	ng	99
12) Pentachlorophenol	19.58	266	10938	0.27	ng	95
13) Phenanthrene	19.94	178	147399	5.74	ng	100
14) Anthracene	20.04	178	148222	6.55	ng	100
15) Fluoranthene	21.83	202	152041	6.42	ng	99
17) Pyrene	22.15	202	165004	6.14	ng	99
19) Benzo(a)anthracene	23.75	228	618158	6.35	ng	98
20) Chrysene	23.79	228	640389	6.74	ng	99
21) Indeno(1,2,3-cd)pyrene	26.92	276	675036	6.08	ng	98
23) Benzo(b)fluoranthene	25.02	252	140676	6.23	ng	99
24) Benzo(k)fluoranthene	25.05	252	178367	6.22	ng	97
25) Benzo(a)pyrene	25.39	252	142857	6.29	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	149773	6.38	ng	97
27) Benzo(g,h,i)perylene	27.36	276	572421	6.40	ng	97

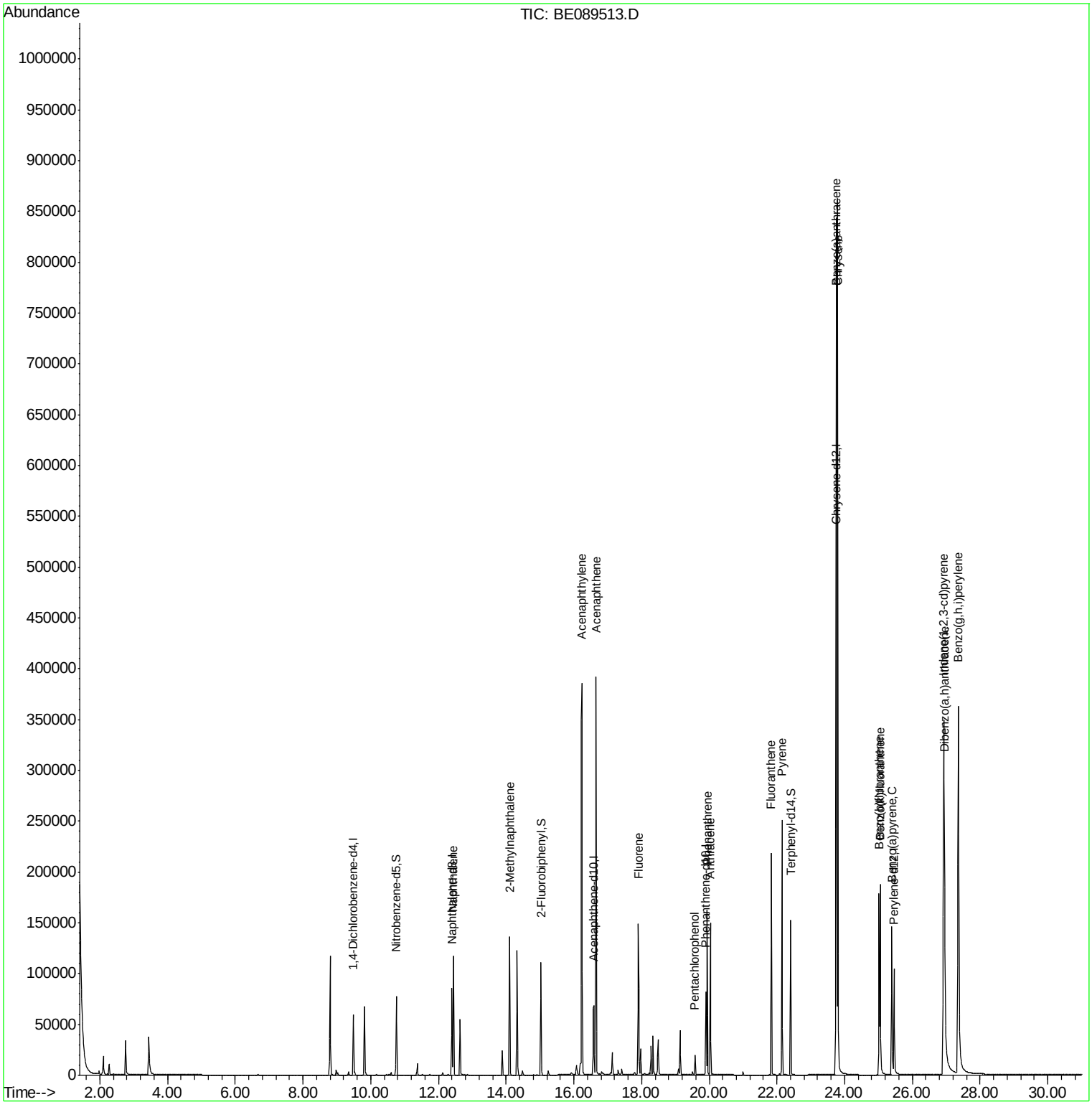
(#) = qualifier out of range (m) = manual integration (+) = signals summed

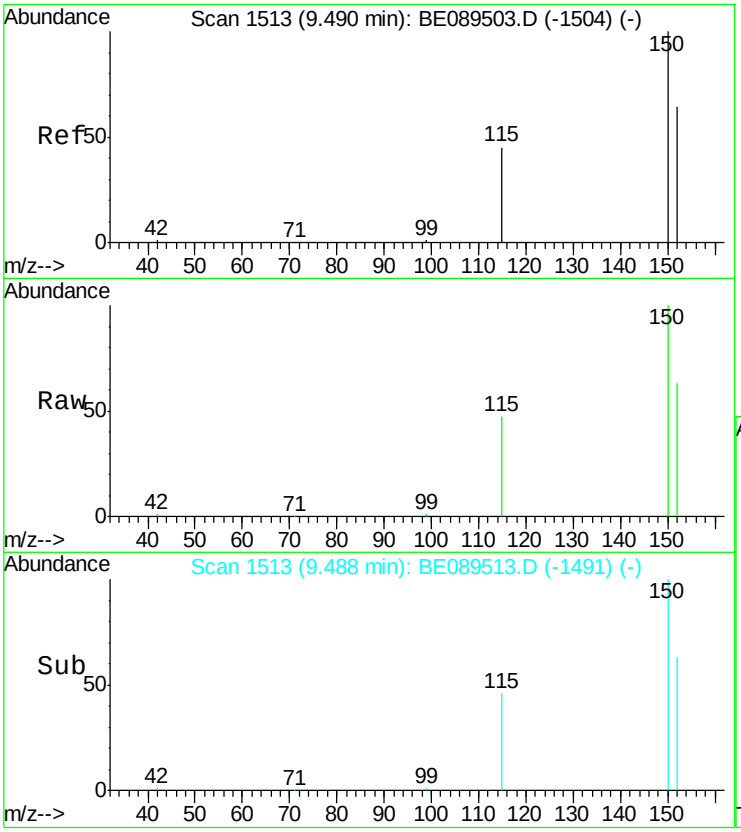
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
Data File : BE089513.D
Acq On : 5 Feb 2015 21:30
Operator : TP/IZ
Sample : PB81591BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Quant Time: Feb 06 04:12:21 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE020515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 06 03:21:38 2015
Response via : Initial Calibration



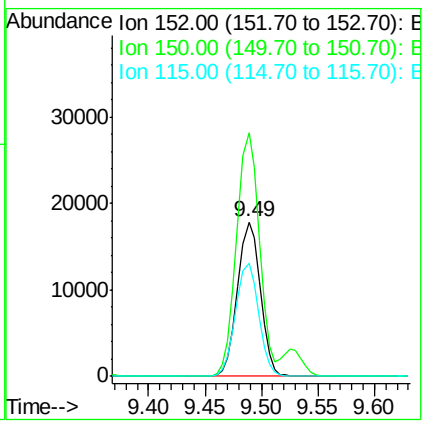


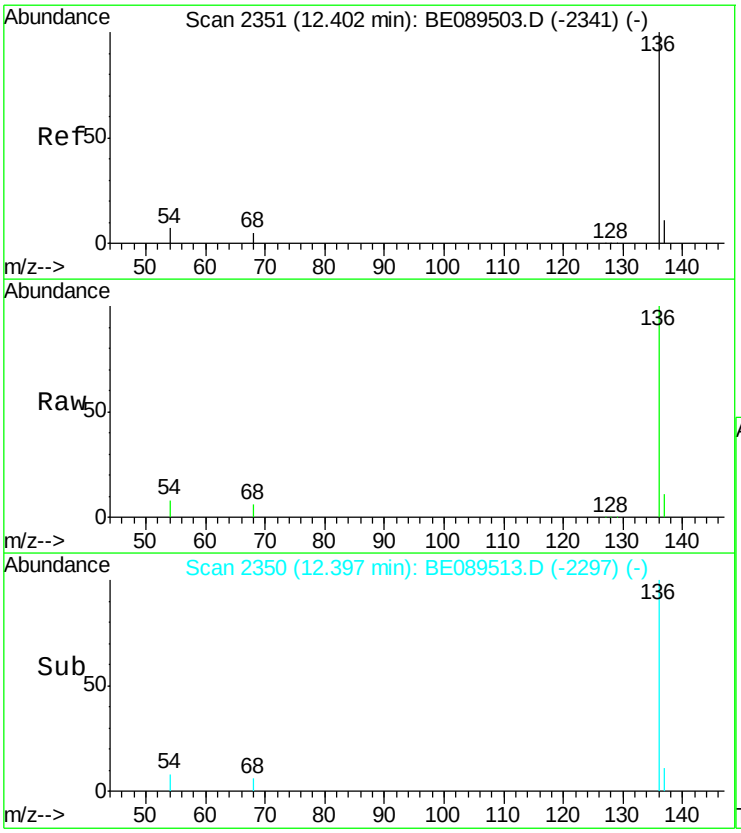
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.49 min Scan# 1513
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:152 Resp: 24116

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.0	187.6
115	73.6	56.6	85.0

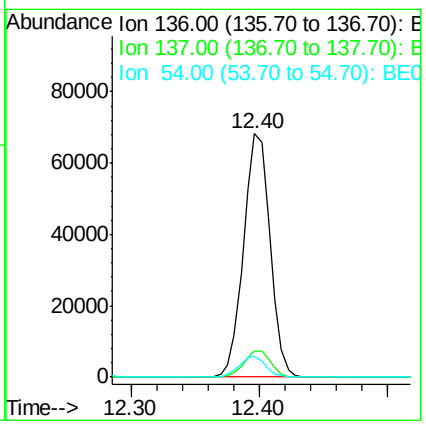


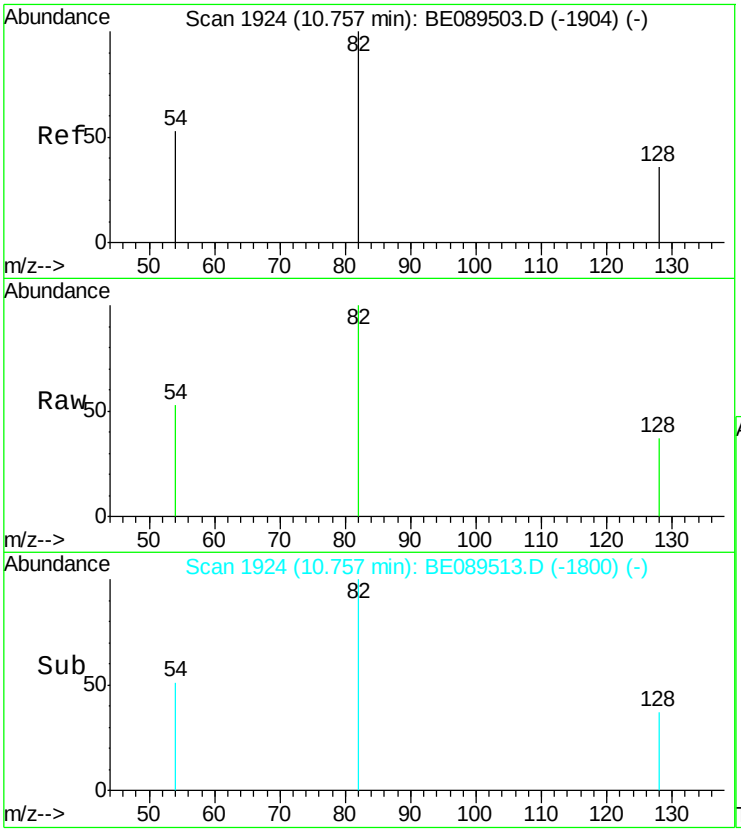


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.40 min Scan# 2350
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:136 Resp: 97889

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.5	6.0	9.0



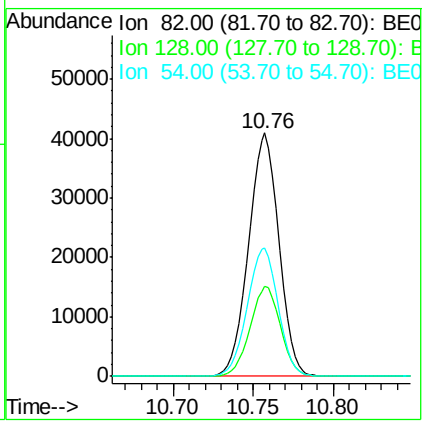


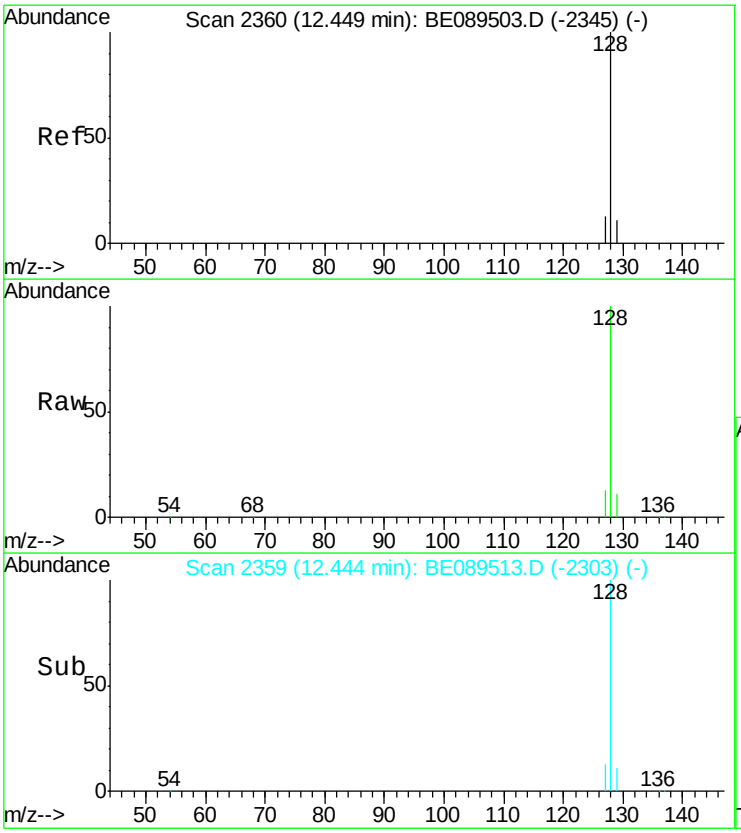
#3
Nitrobenzene-d5
Concen: 7.22 ng
RT: 10.76 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion: 82 Resp: 53912

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.3	43.9
54	52.8	42.6	64.0

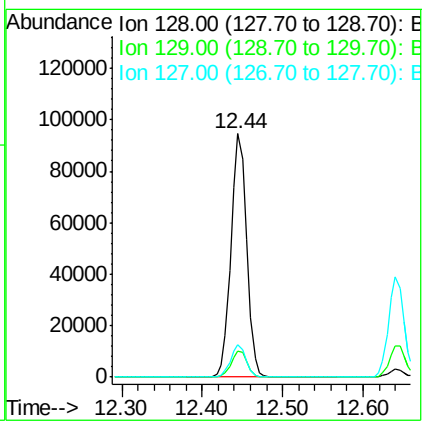


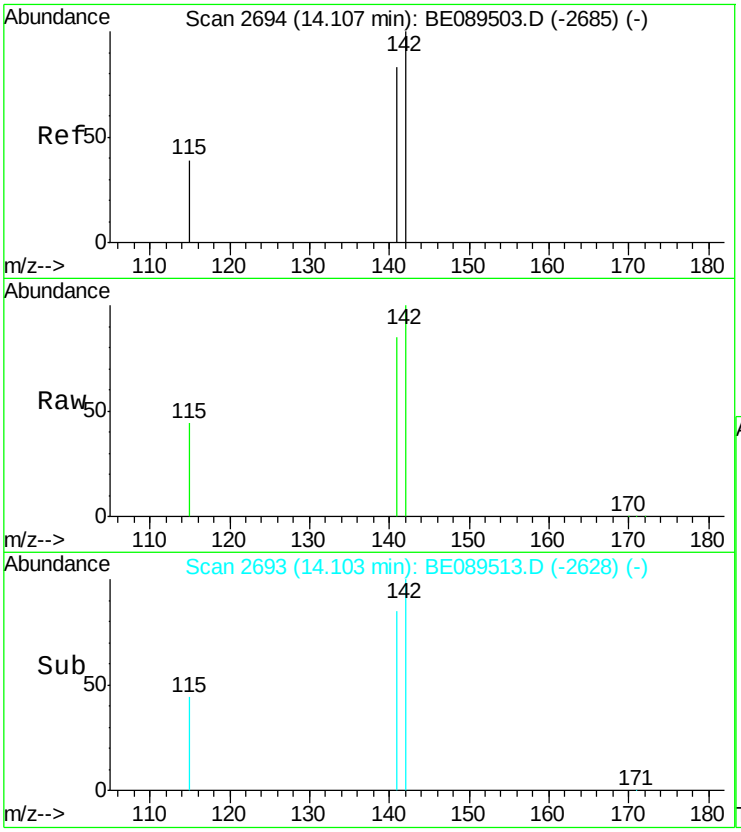


#4
Naphthalene
Concen: 5.18 ng
RT: 12.44 min Scan# 2359
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:128 Resp: 127655

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.2	10.3	15.5



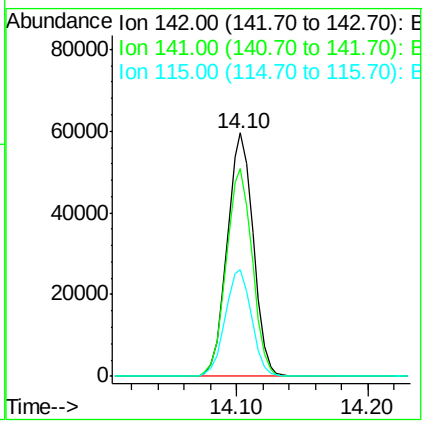


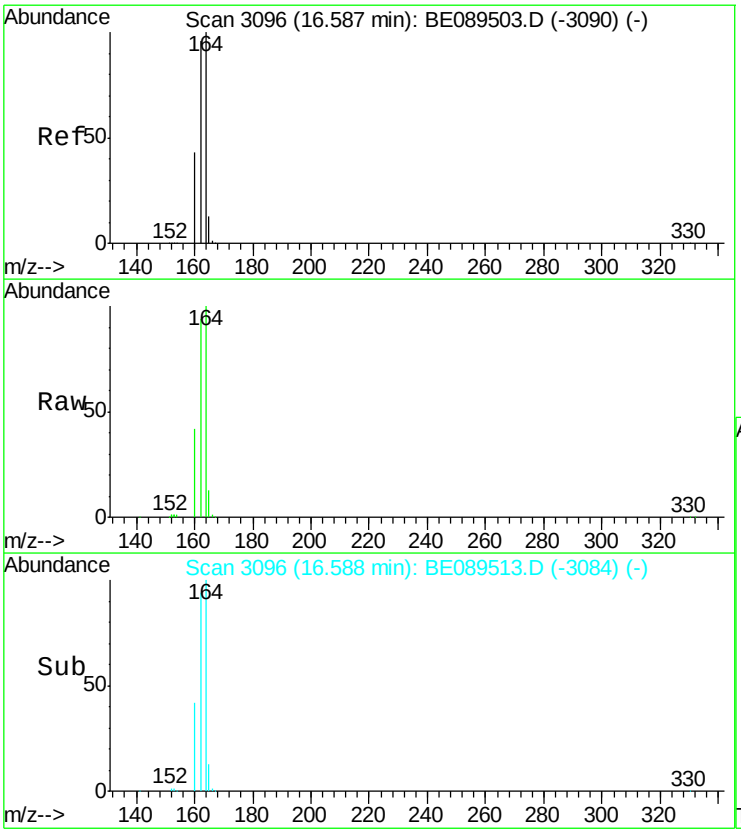
#5
2-Methylnaphthalene
Concen: 5.06 ng
RT: 14.10 min Scan# 2693
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:142 Resp: 81744

Ion	Ratio	Lower	Upper
142	100		
141	85.3	66.3	99.5
115	43.7	31.1	46.7

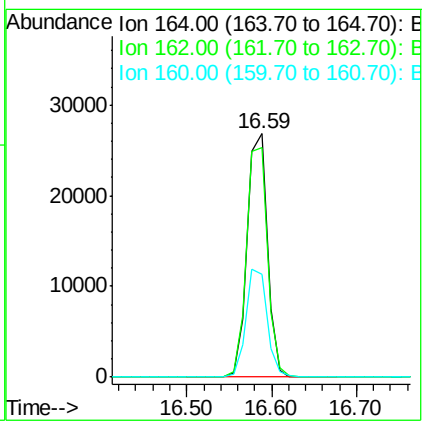


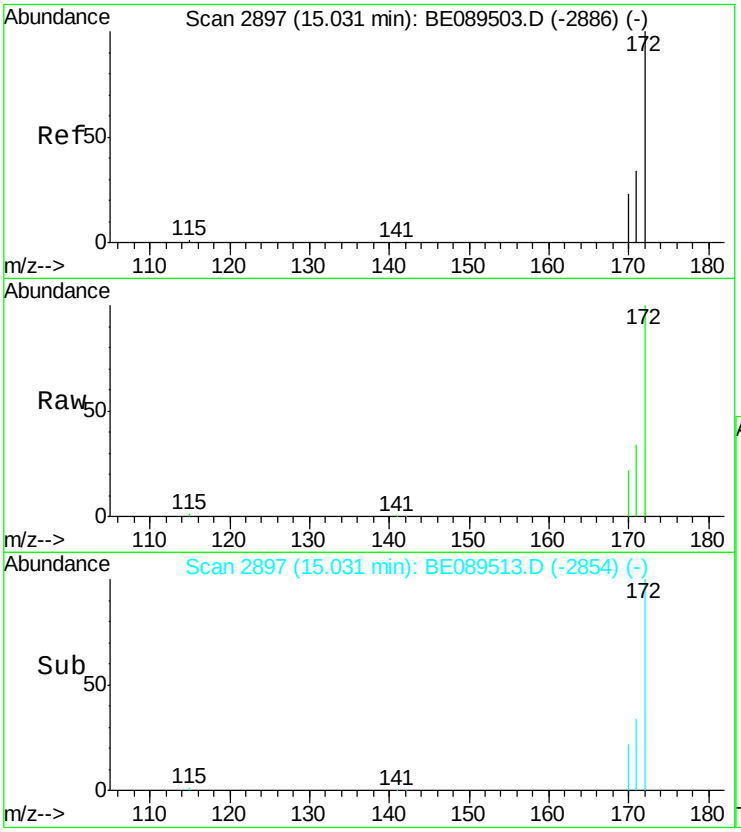


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.59 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:164 Resp: 43971

Ion	Ratio	Lower	Upper
164	100		
162	94.1	76.6	115.0
160	42.4	34.6	52.0



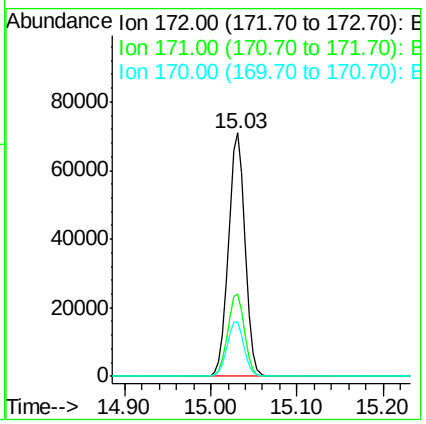


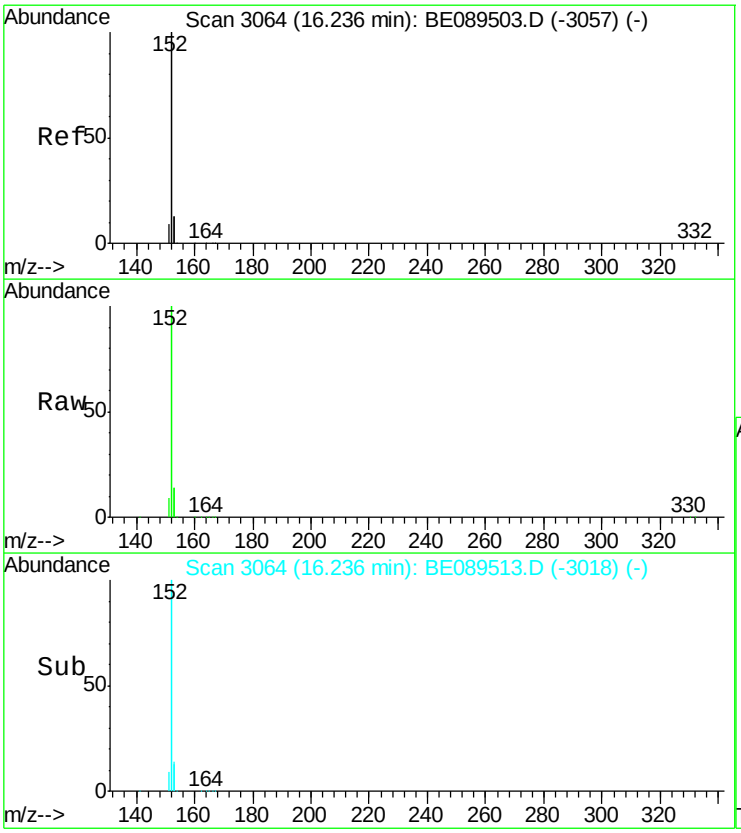
#7
2-Fluorobiphenyl
Concen: 6.94 ng
RT: 15.03 min Scan# 2897
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:172 Resp: 96154

Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.4	41.0
170	22.2	18.4	27.6

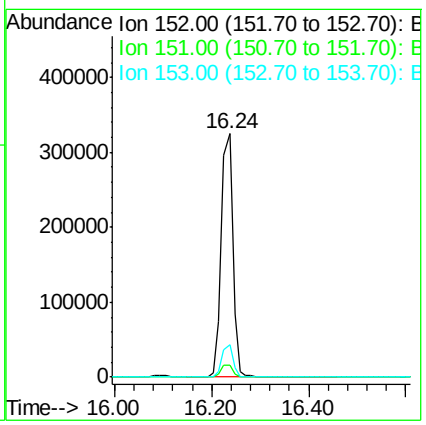


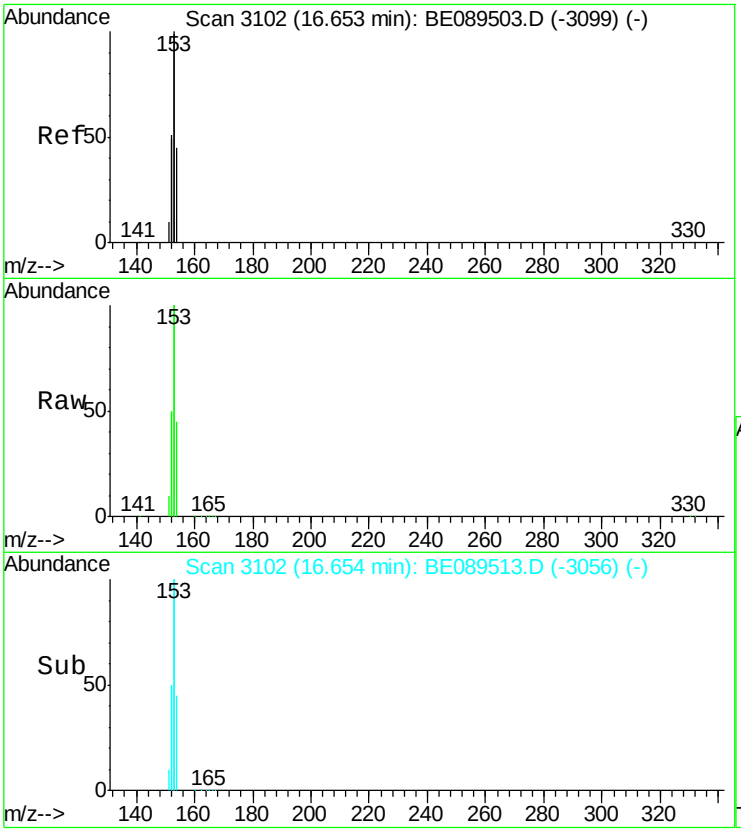


#8
Acenaphthylene
Concen: 5.57 ng
RT: 16.24 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:152 Resp: 525899

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.9	10.4	15.6



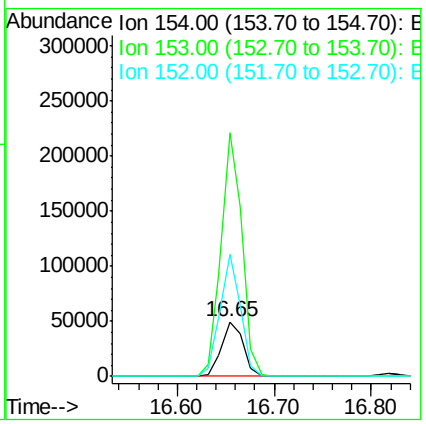


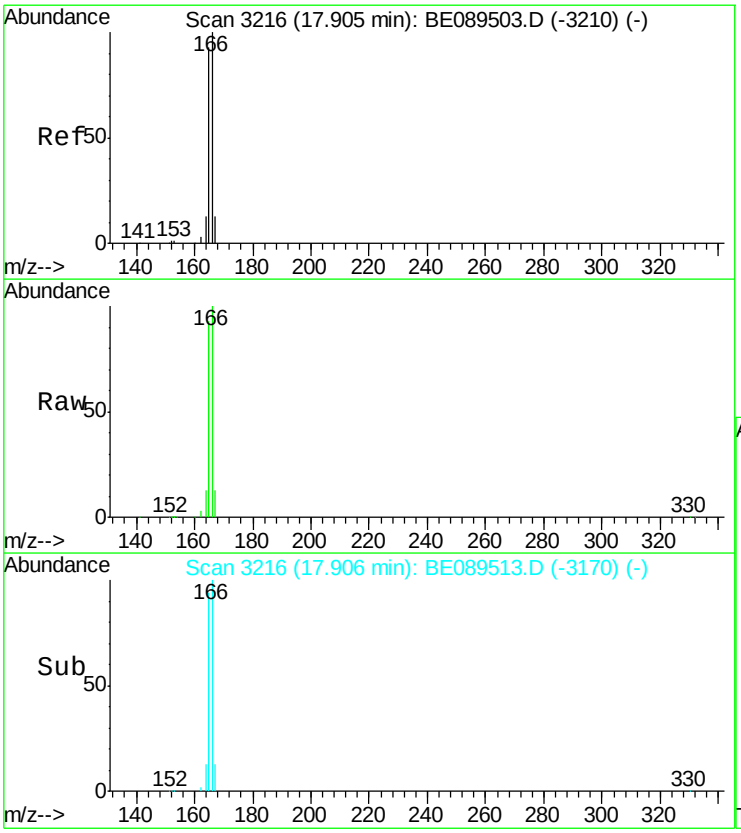
#9
Acenaphthene
Concen: 5.31 ng
RT: 16.65 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:154 Resp: 76930

Ion	Ratio	Lower	Upper
154	100		
153	430.5	341.5	512.3
152	209.4	166.6	249.8

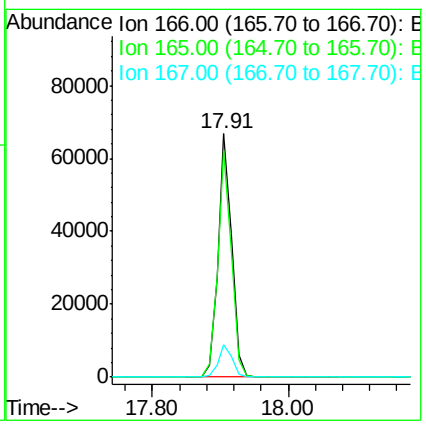


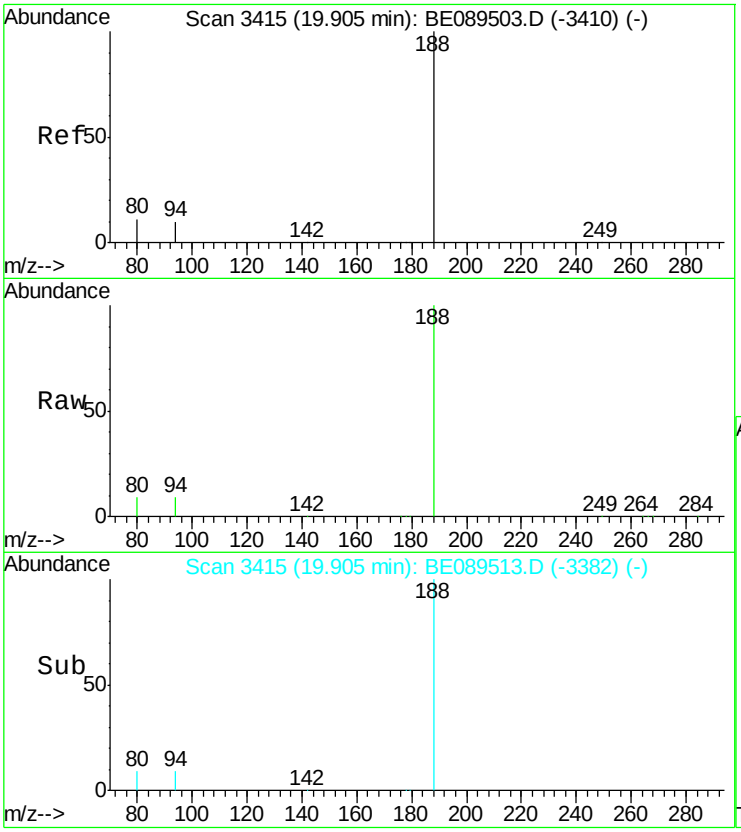


#10
Fluorene
Concen: 6.11 ng
RT: 17.91 min Scan# 3216
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:166 Resp: 94899

Ion	Ratio	Lower	Upper
166	100		
165	93.1	73.6	110.4
167	13.2	10.6	15.8



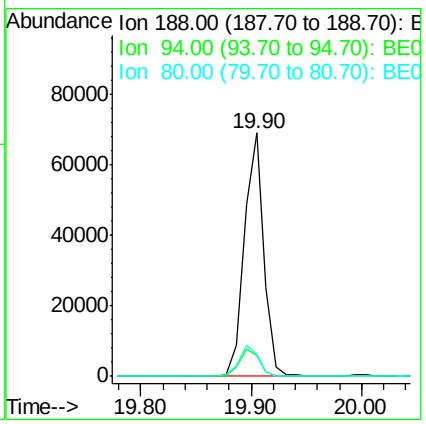


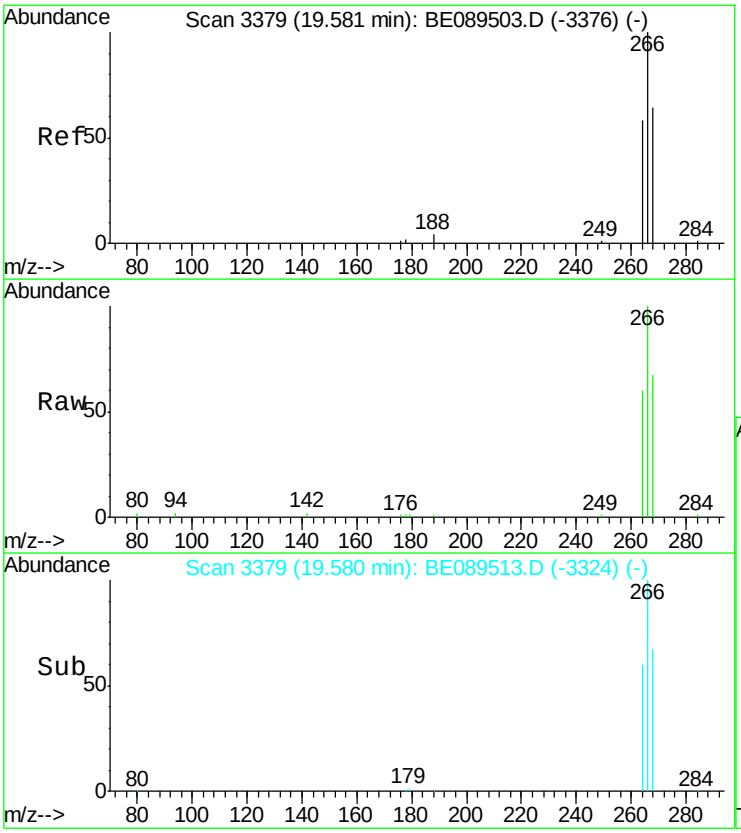
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3415
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:188 Resp: 84532

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	9.0	8.7	13.1

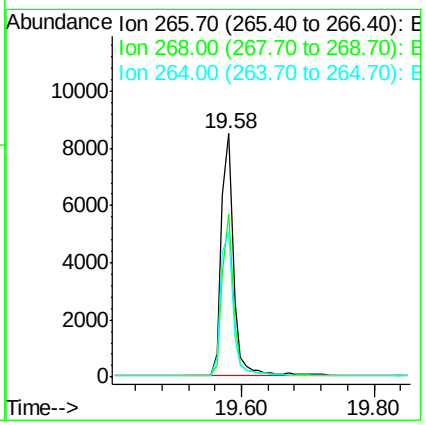


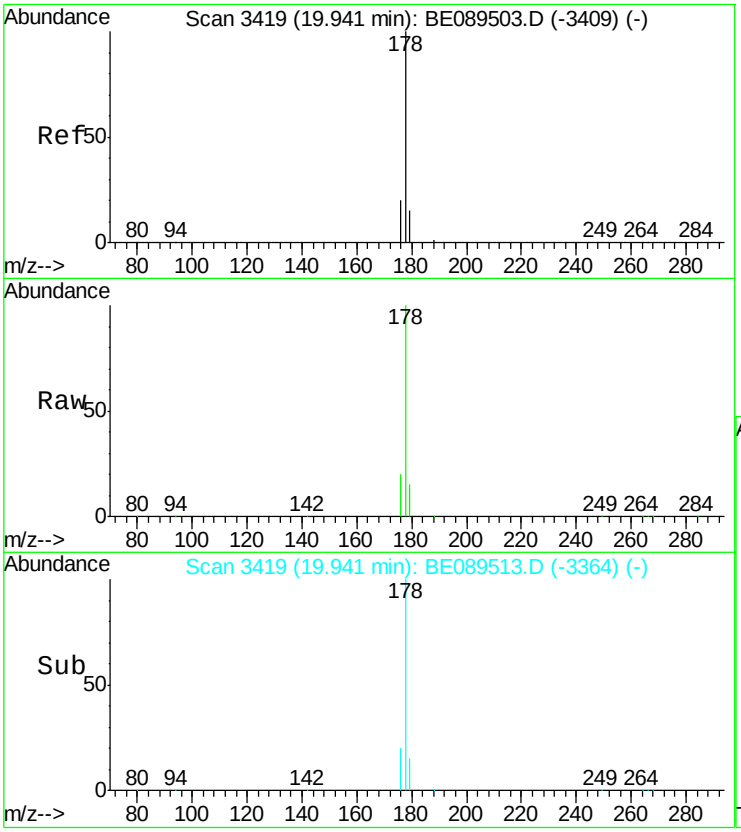


#12
Pentachlorophenol
Concen: 0.27 ng
RT: 19.58 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:266 Resp: 10938

Ion	Ratio	Lower	Upper
266	100		
268	67.1	56.7	85.1
264	59.8	51.9	77.9



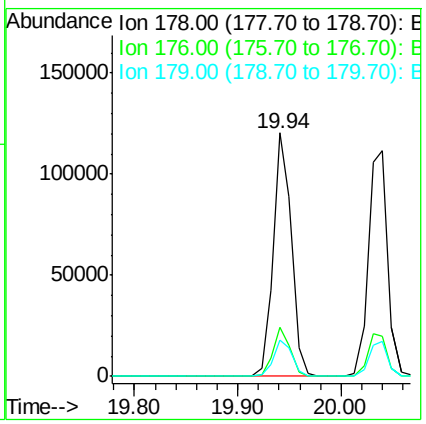


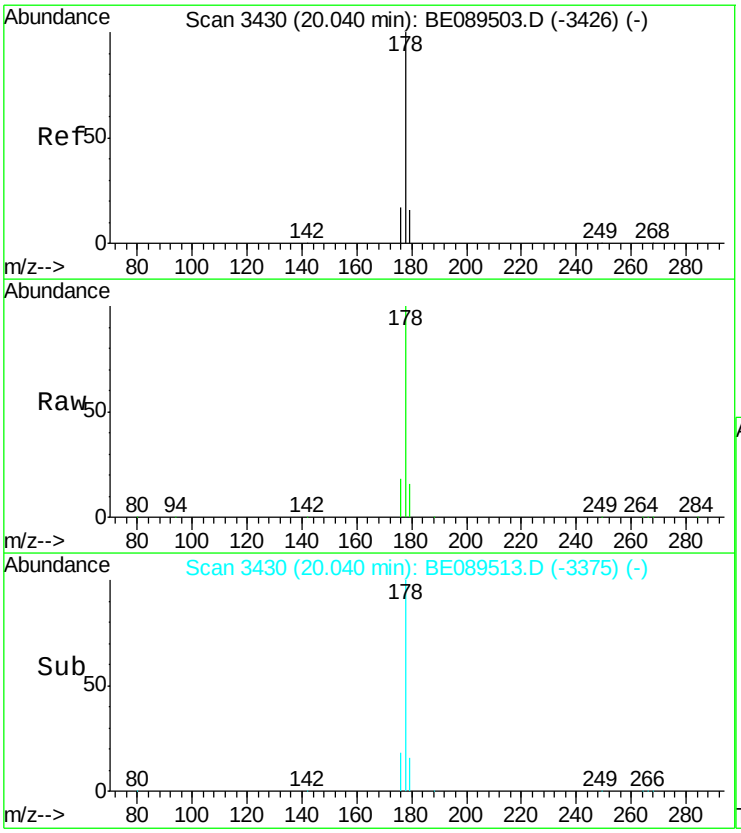
#13
Phenanthrene
Concen: 5.74 ng
RT: 19.94 min Scan# 3419
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:178 Resp: 147399

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.4	18.6

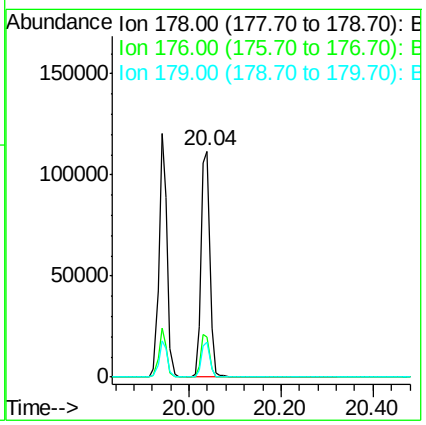


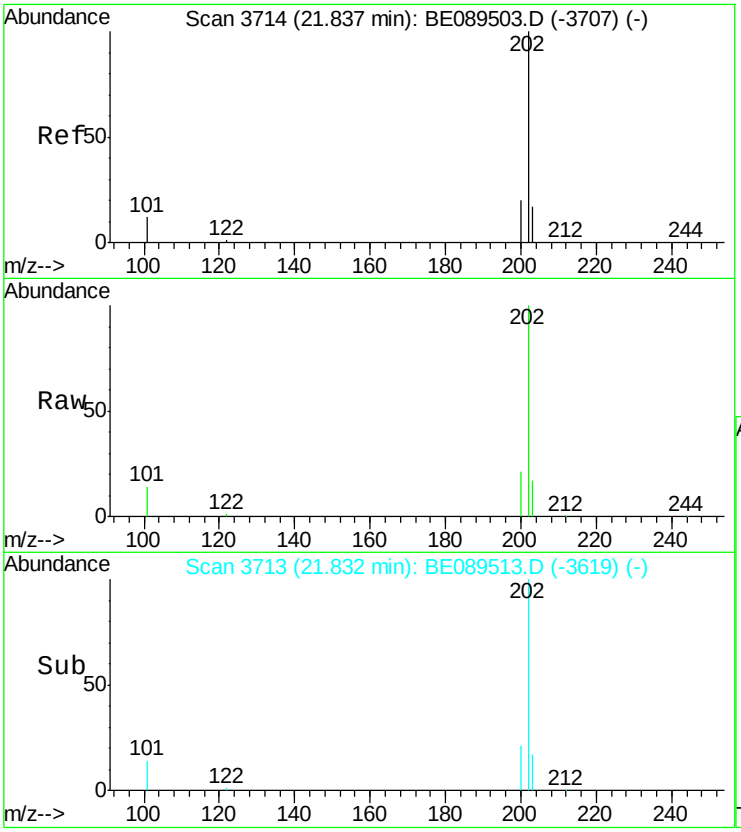


#14
Anthracene
Concen: 6.55 ng
RT: 20.04 min Scan# 3430
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:178 Resp: 148222

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.0	12.1	18.1



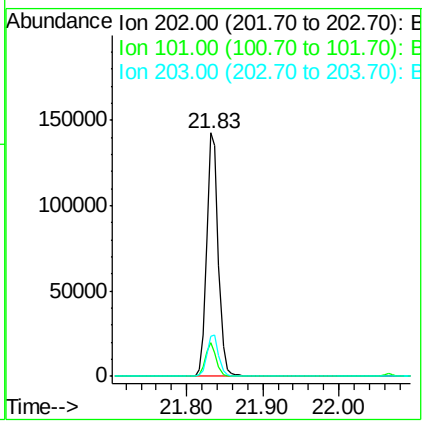


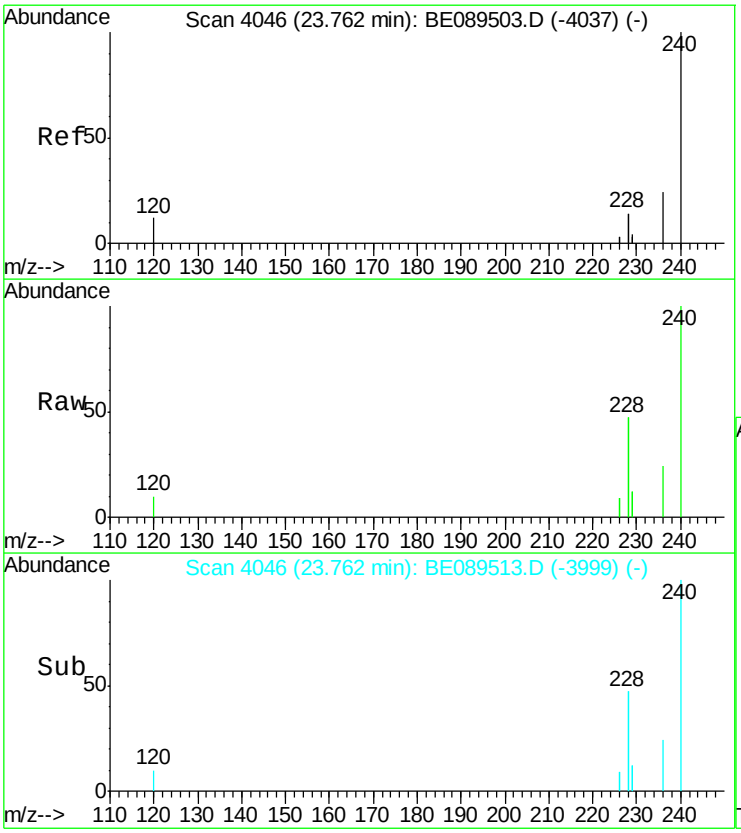
#15
Fluoranthene
Concen: 6.42 ng
RT: 21.83 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:202 Resp: 152041

Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.3	16.9
203	17.1	13.8	20.6

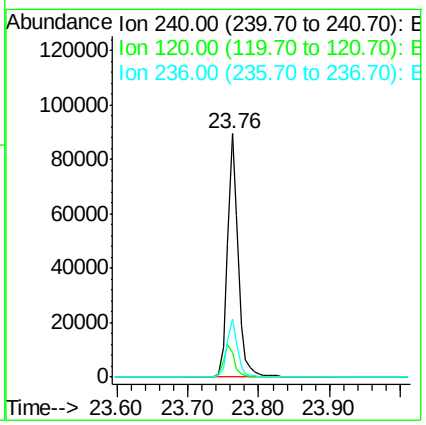


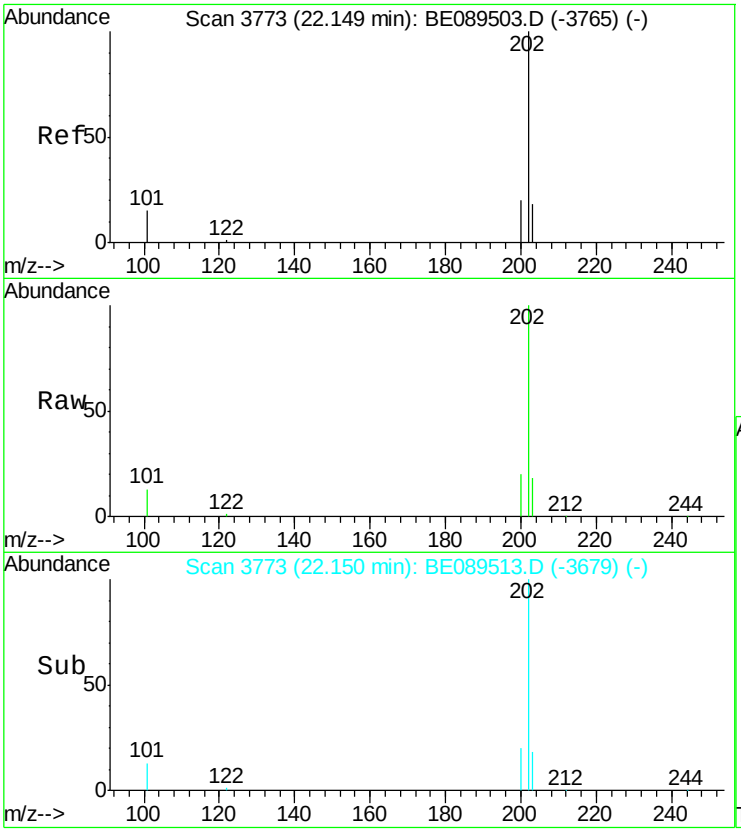


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4046
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:240 Resp: 93979

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.6	14.4
236	23.9	19.4	29.2



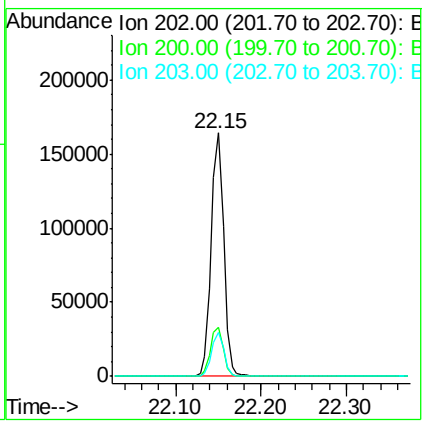


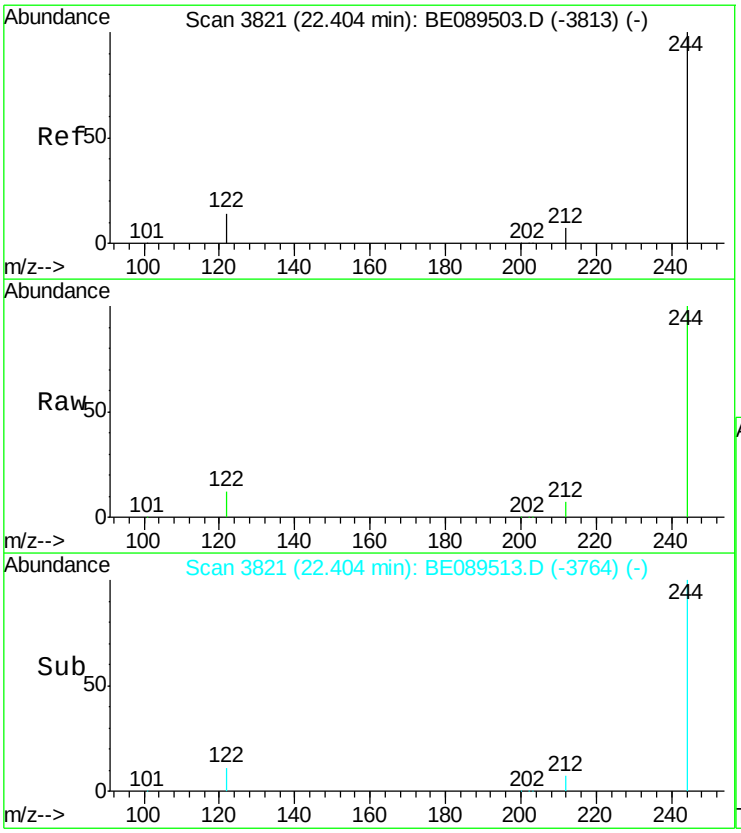
#17
Pyrene
Concen: 6.14 ng
RT: 22.15 min Scan# 3773
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:202 Resp: 165004

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.9	14.0	21.0

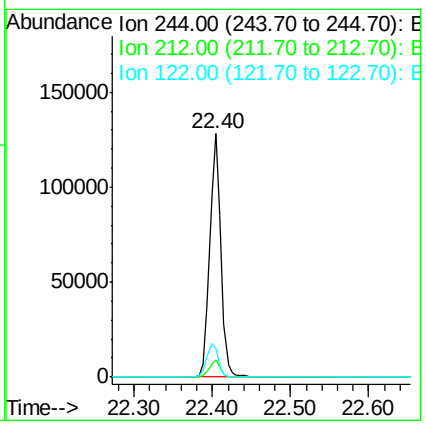


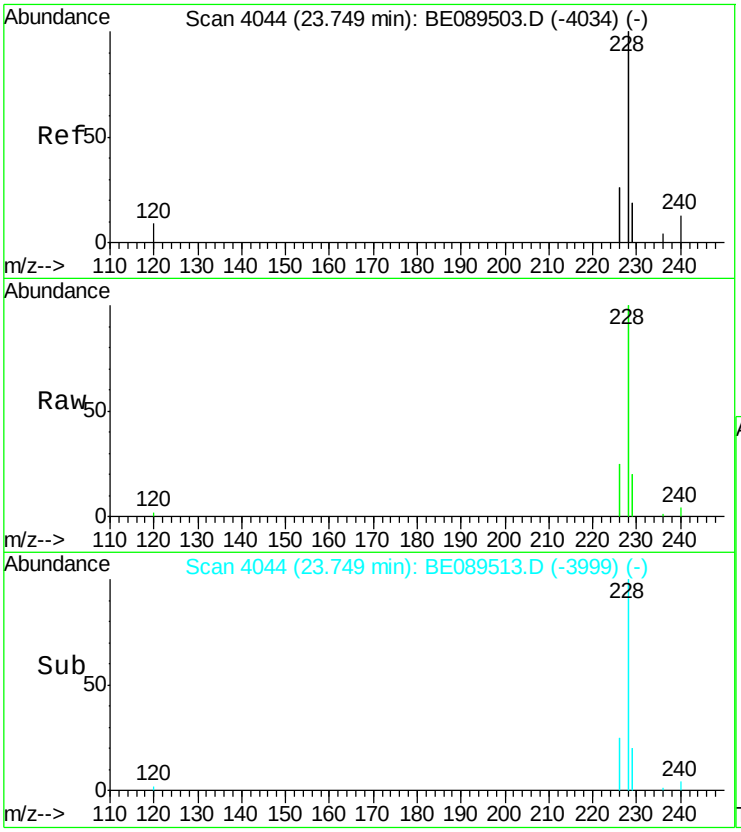


#18
Terphenyl-d14
Concen: 7.69 ng
RT: 22.40 min Scan# 3821
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:244 Resp: 125751

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	11.5	11.1	16.7



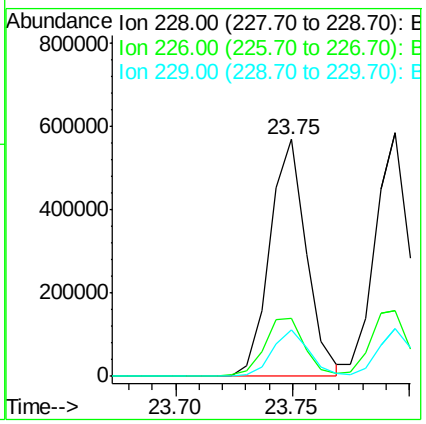


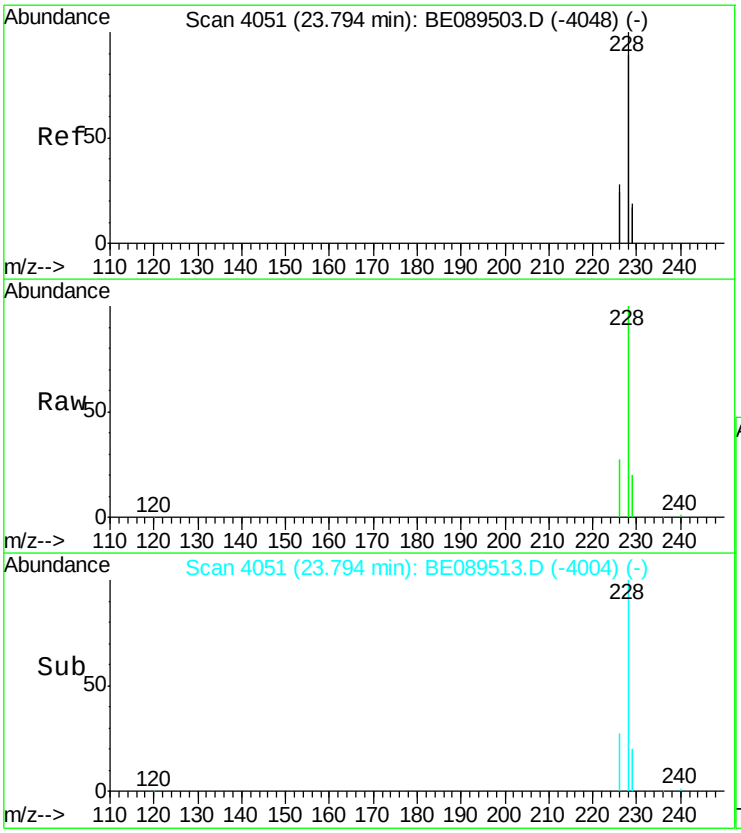
#19
Benzo(a)anthracene
Concen: 6.35 ng
RT: 23.75 min Scan# 4044
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:228 Resp: 618158

Ion	Ratio	Lower	Upper
228	100		
226	24.8	21.0	31.6
229	19.9	15.5	23.3

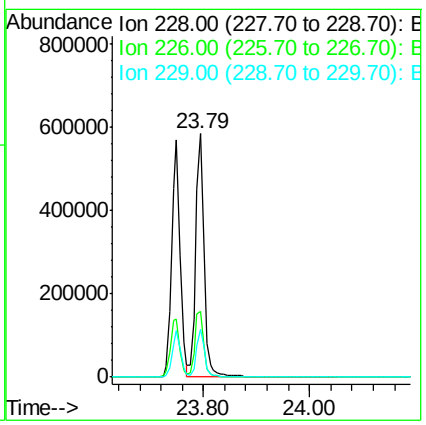


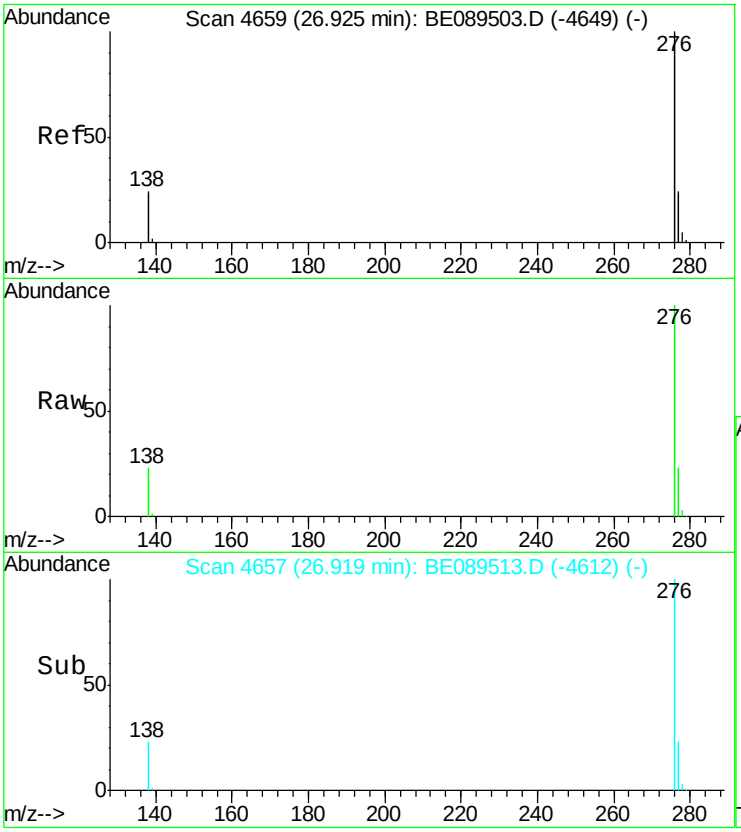


#20
Chrysene
Concen: 6.74 ng
RT: 23.79 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:228 Resp: 640389

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.3	33.5
229	19.8	15.4	23.0



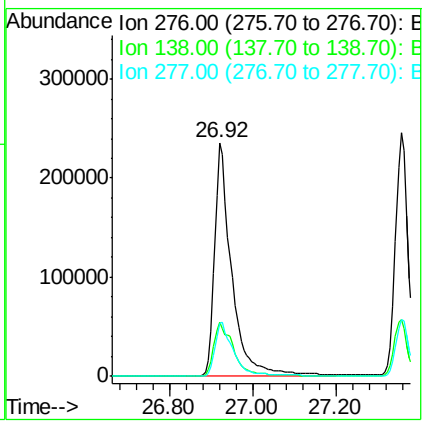


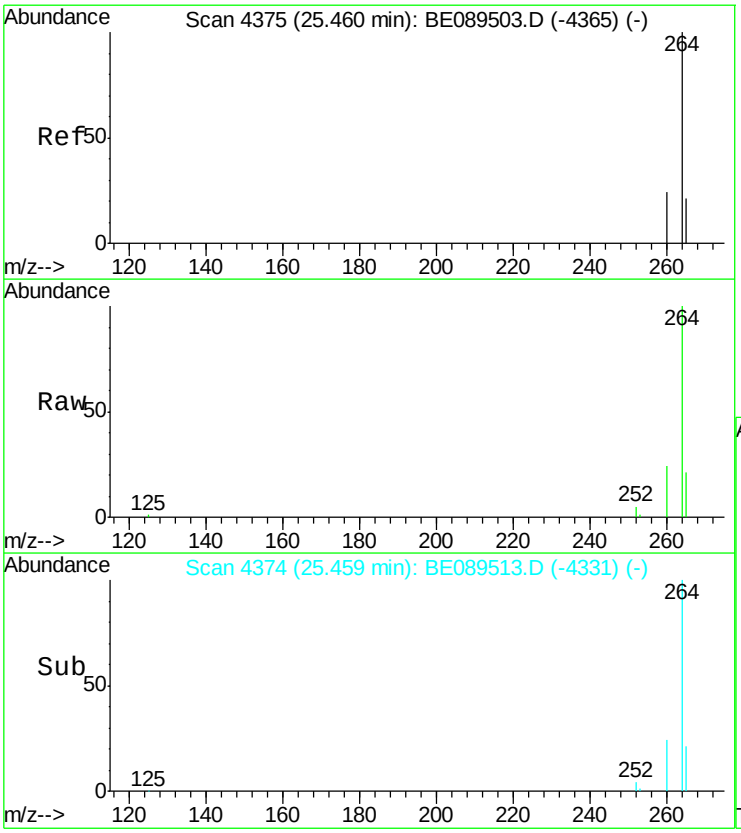
#21
Indeno(1,2,3-cd)pyrene
Concen: 6.08 ng
RT: 26.92 min Scan# 4657
Delta R.T. -0.01 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:276 Resp: 675036

Ion	Ratio	Lower	Upper
276	100		
138	27.0	23.2	34.8
277	25.2	19.8	29.6

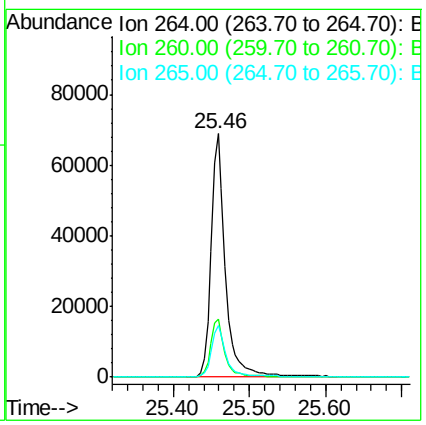


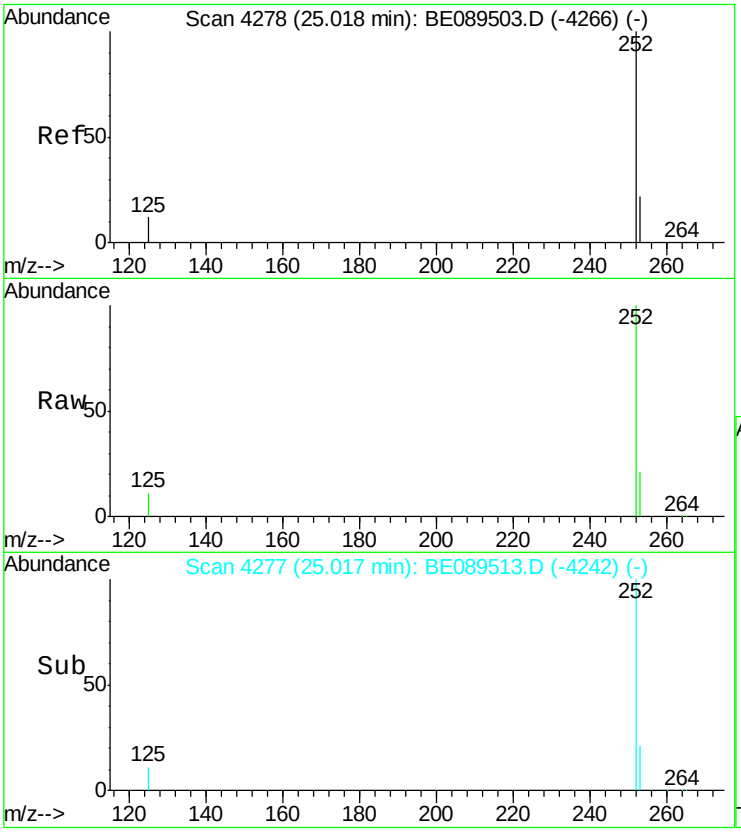


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4374
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:264 Resp: 89956

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.4	17.0	25.6



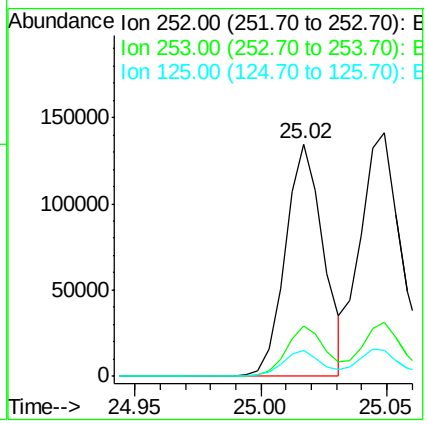


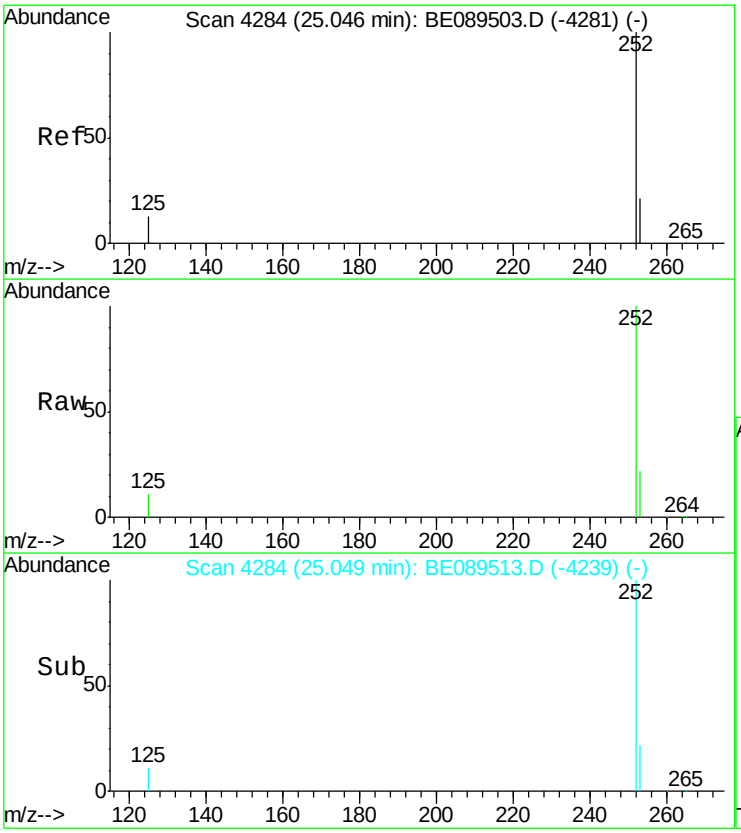
#23
Benzo(b)fluoranthene
Concen: 6.23 ng
RT: 25.02 min Scan# 4277
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:252 Resp: 140676

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	11.1	9.6	14.4

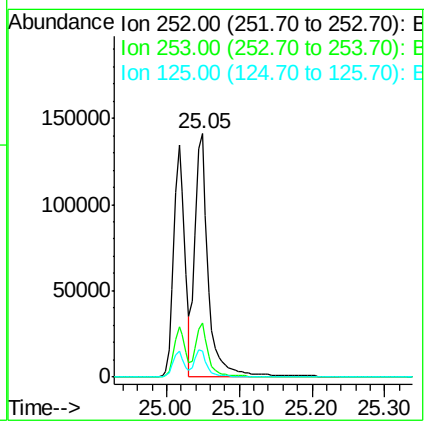


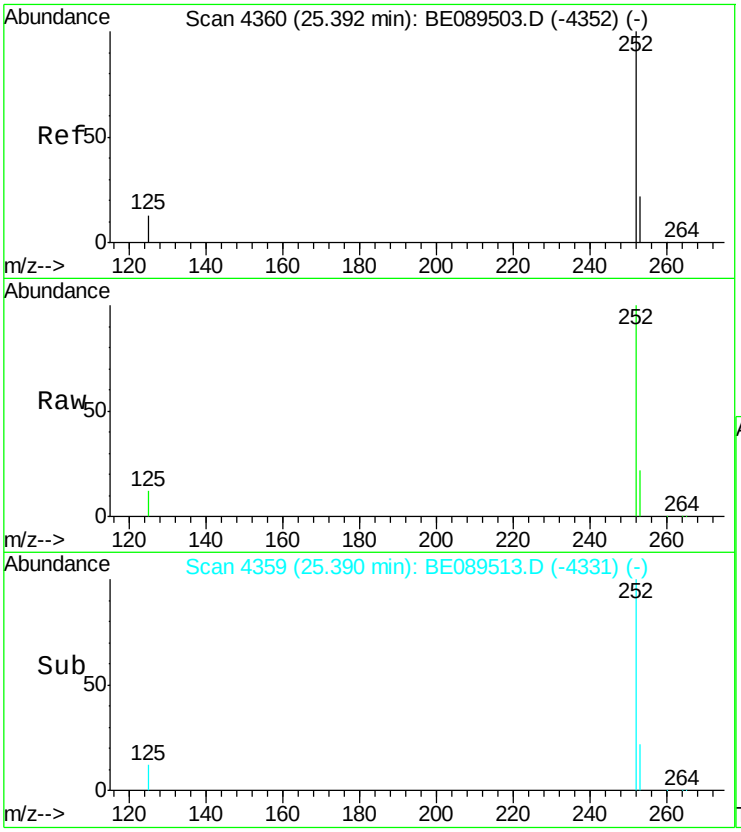


#24
Benzo(k)fluoranthene
Concen: 6.22 ng
RT: 25.05 min Scan# 4284
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:252 Resp: 178367

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.7	10.2	15.4



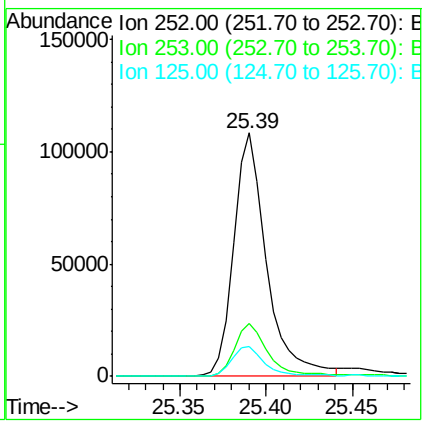


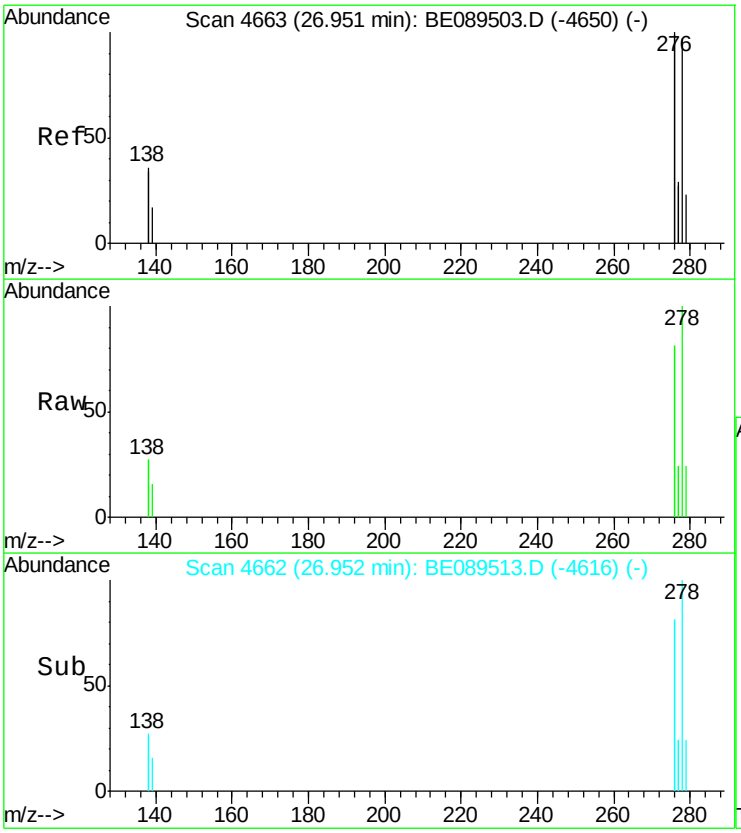
#25
Benzo(a)pyrene
Concen: 6.29 ng
RT: 25.39 min Scan# 4359
Delta R.T. -0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:252 Resp: 142857

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.4	10.7	16.1

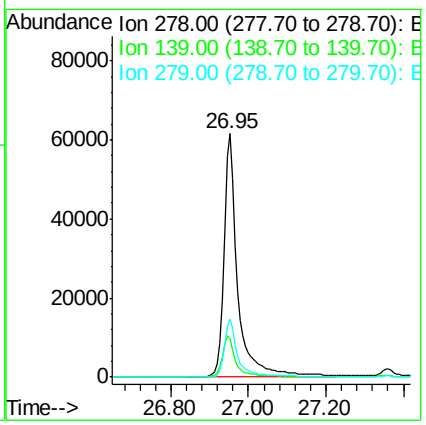


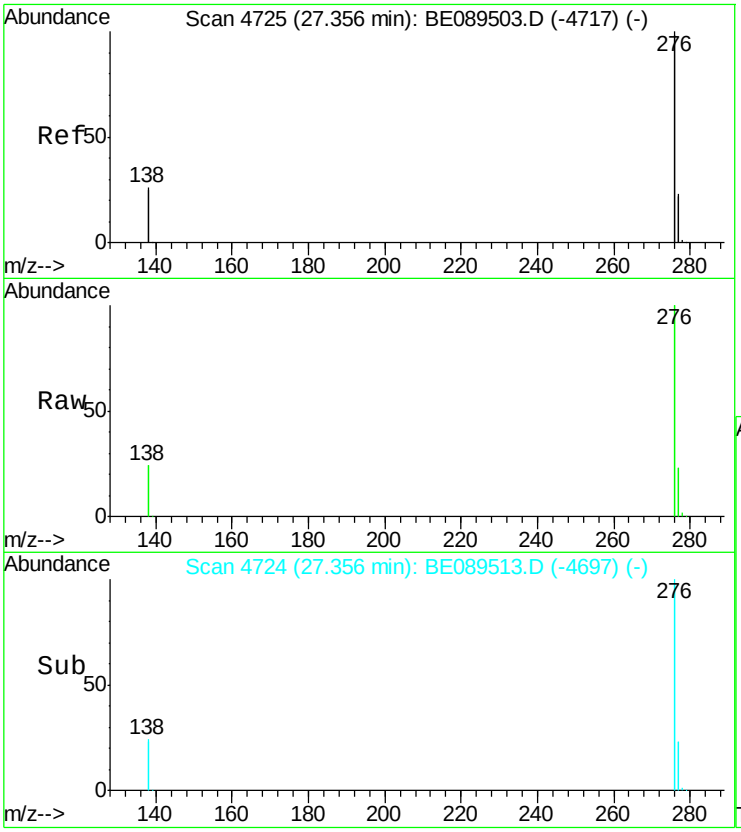


#26
Dibenzo(a,h)anthracene
Concen: 6.38 ng
RT: 26.95 min Scan# 4662
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Tgt Ion:278 Resp: 149773

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.6	22.0
279	24.0	19.0	28.4





#27
Benzo(g,h,i)perylene
Concen: 6.40 ng
RT: 27.36 min Scan# 4724
Delta R.T. 0.00 min
Lab File: BE089513.D
Acq: 5 Feb 2015 21:30

Instrument :
BNA_E
ClientSampleId :
PB81591BS

Tgt Ion:276 Resp: 572421

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	23.5	20.8	31.2