Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089446.D
Acq On : 30 Jan 2015 20:01
Operator : TP/IZ
Sample : PB81495BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB81495BSD

Quant Time: Feb 02 00:10:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	66092	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	277368	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	136136	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	209991	5.00	ng	0.00
16) Chrysene-d12	23.85	240	168647	5.00	ng	0.00
22) Perylene-d12	25.56	264	144970	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	111533	6.07	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	201208	5.61	ng	0.00
18) Terphenyl-d14	22.48	244	158273	6.27	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.54	128	334462	5.14	ng	99
5) 2-Methylnaphthalene	14.21	142	203375	5.17	ng	99
8) Acenaphthylene	16.33	152	1154979	4.72	ng	100
9) Acenaphthene	16.76	154	169943	4.62	ng	99
10) Fluorene	18.01	166	192664	4.71	ng	100
12) Pentachlorophenol	19.66	266	25616	10.52	ng	95
13) Phenanthrene	20.03	178	1092425	5.29	ng	100
14) Anthracene	20.12	178	1073933	5.70	ng	100
15) Fluoranthene	21.91	202	241176	5.35	ng	99
17) Pyrene	22.23	202	258870	5.79	ng	99
19) Benzo(a)anthracene	23.83	228	763571	5.38	ng	95
20) Chrysene	23.87	228	883641	5.52	ng	98
21) Indeno(1,2,3-cd)pyrene	27.06	276	756065	5.41	ng	100
23) Benzo(b)fluoranthene	25.10	252	134657	5.21	ng	98
24) Benzo(k)fluoranthene	25.13	252	235828	6.39	ng	99
25) Benzo(a)pyrene	25.48	252	148272	5.65	ng	99
26) Dibenzo(a,h)anthracene	27.10	278	162079	5.44	ng	97
27) Benzo(g,h,i)perylene	27.51	276	700122	6.04	ng	96

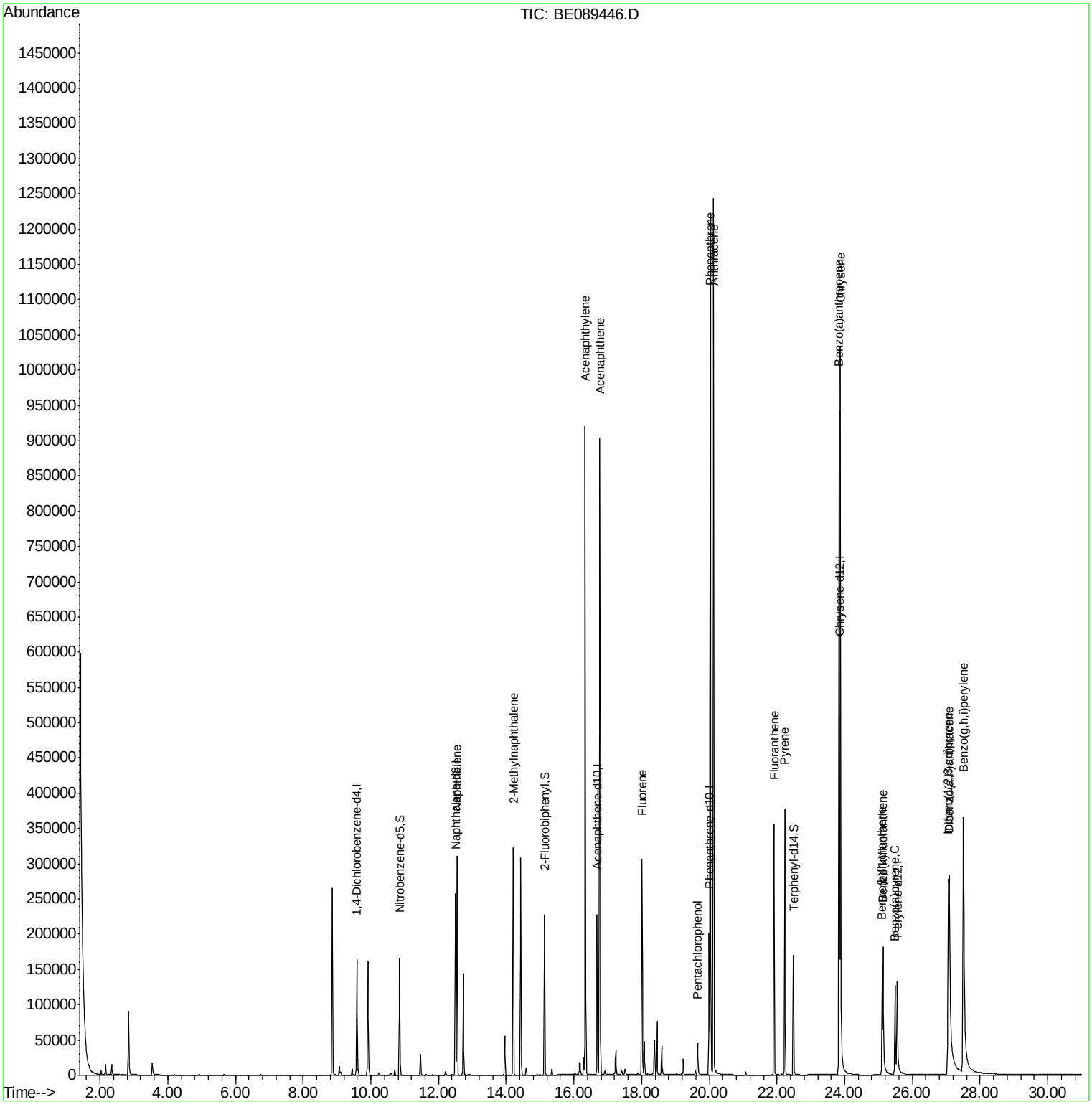
(#) = qualifier out of range (m) = manual integration (+) = signals summed

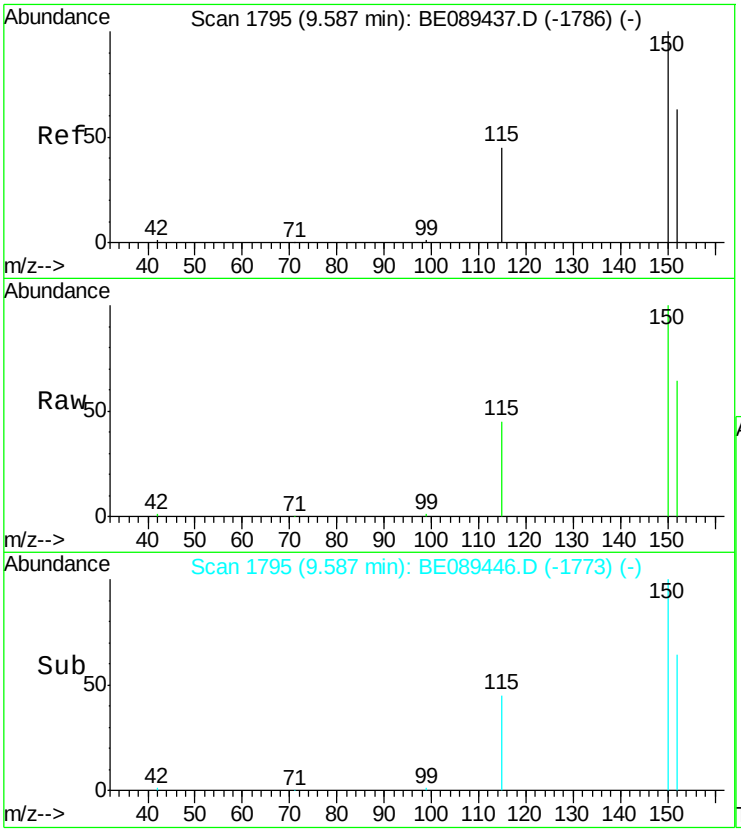
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089446.D
Acq On : 30 Jan 2015 20:01
Operator : TP/IZ
Sample : PB81495BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Quant Time: Feb 02 00:10:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration



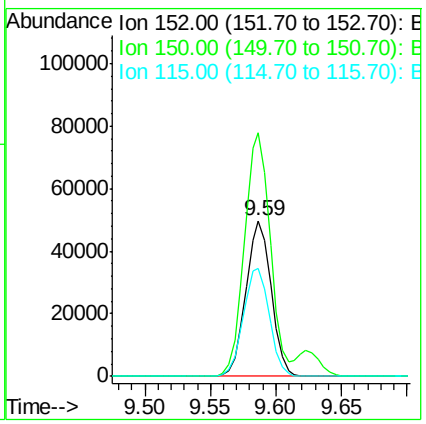


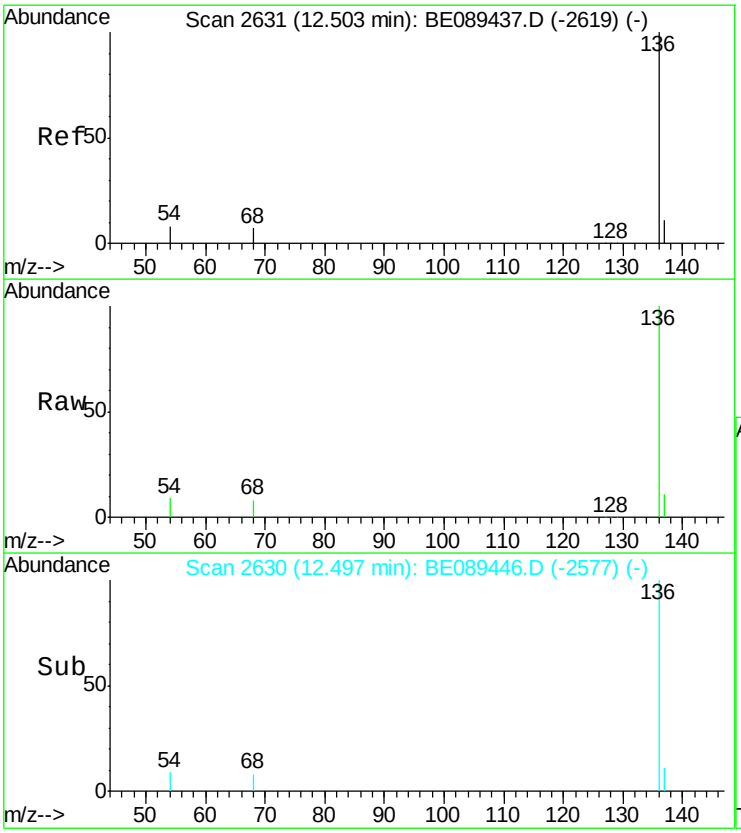
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.59 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:152 Resp: 66092

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.2	190.8
115	69.8	57.5	86.3

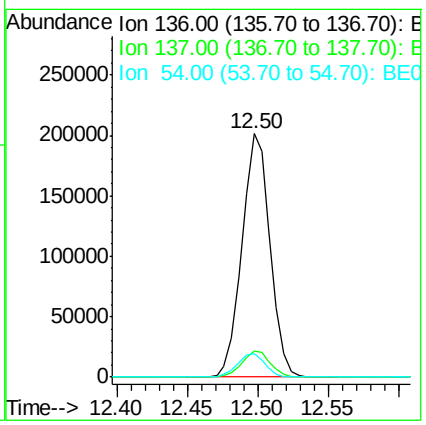


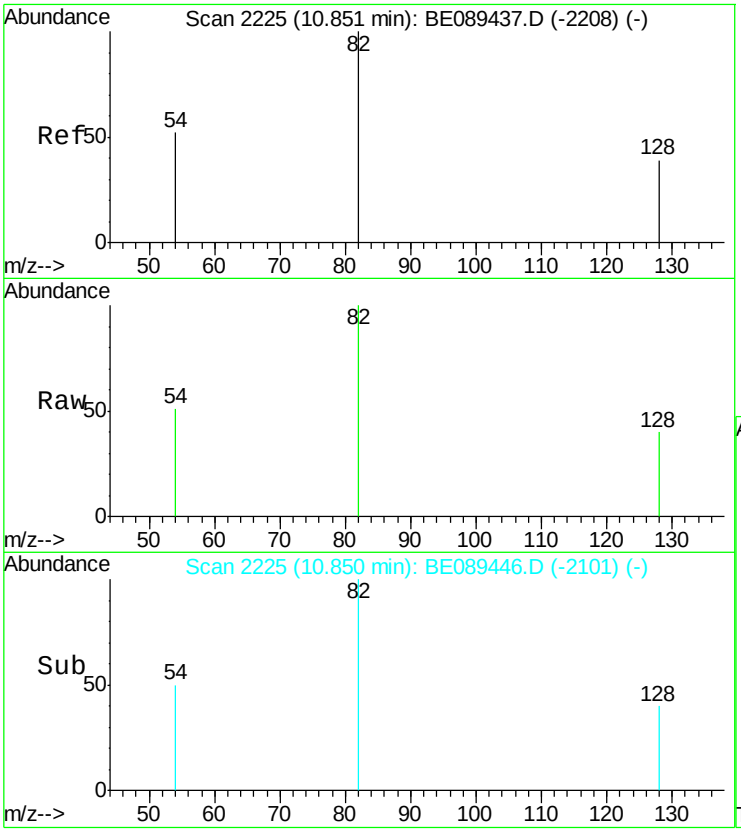


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 2630
Delta R.T. -0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:136 Resp: 277368

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.4	6.6	10.0



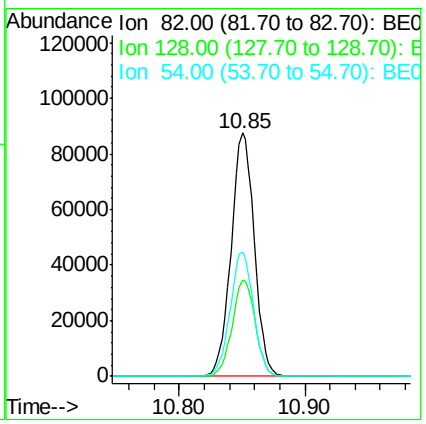


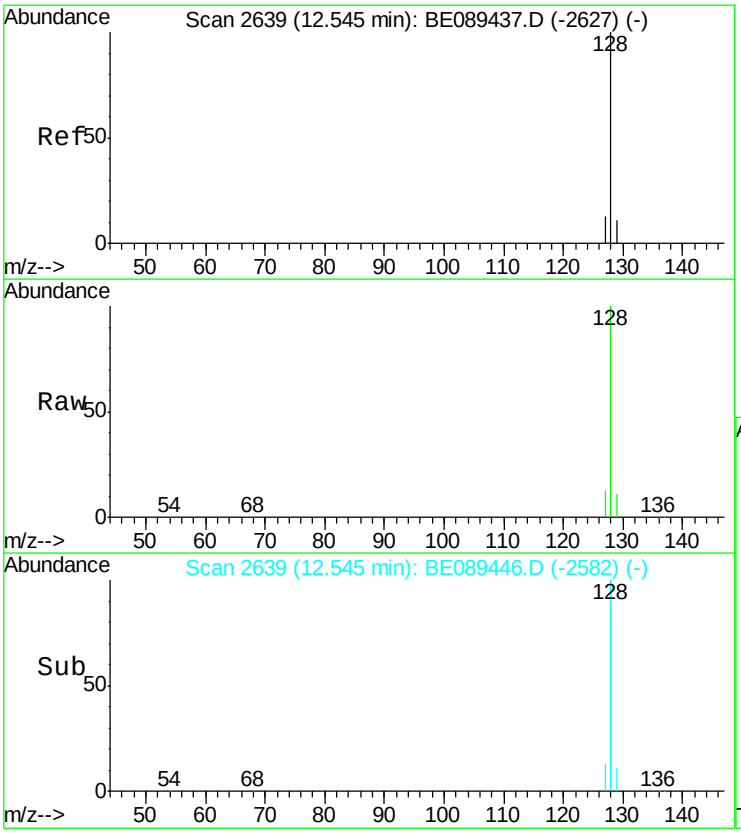
#3
Nitrobenzene-d5
Concen: 6.07 ng
RT: 10.85 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion: 82 Resp: 111533

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.2	46.8
54	51.4	41.9	62.9

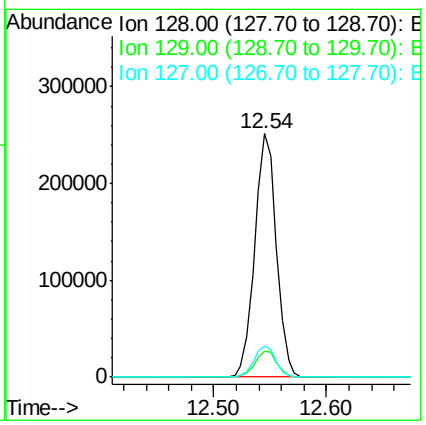


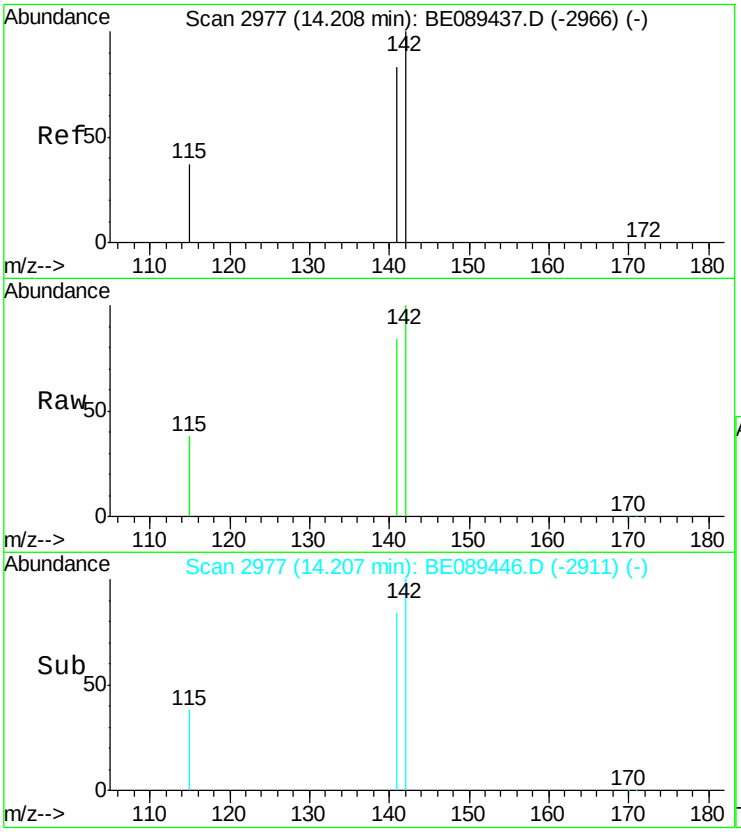


#4
Naphthalene
Concen: 5.14 ng
RT: 12.54 min Scan# 2639
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:128 Resp: 334462

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	16.0



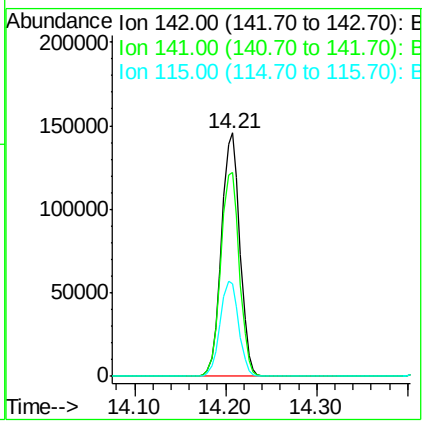


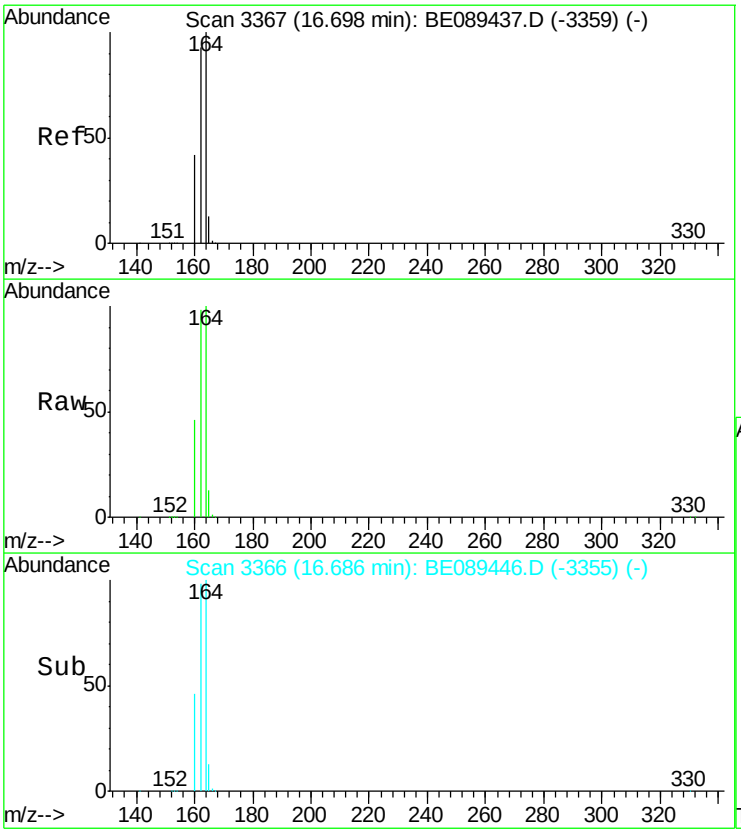
#5
2-Methylnaphthalene
Concen: 5.17 ng
RT: 14.21 min Scan# 2977
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:142 Resp: 203375

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.1	99.1
115	38.0	29.9	44.9

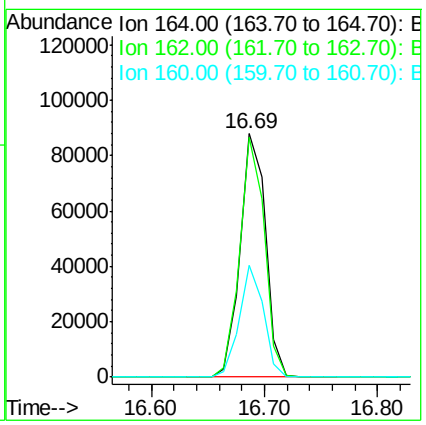


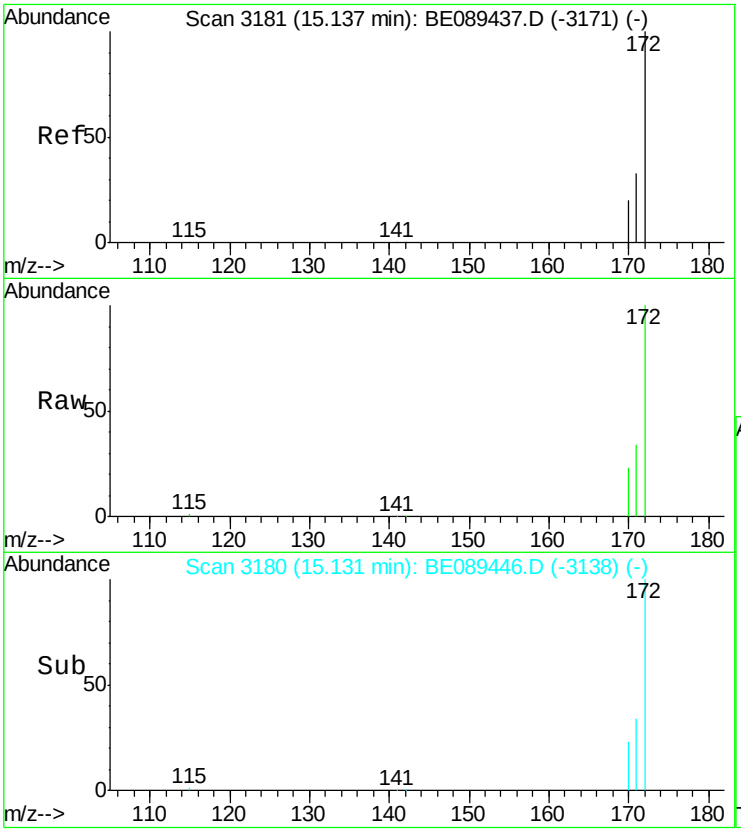


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.69 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:164 Resp: 136136

Ion	Ratio	Lower	Upper
164	100		
162	98.4	74.7	112.1
160	45.9	33.4	50.0



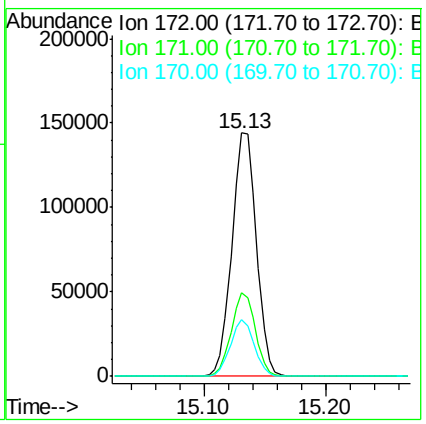


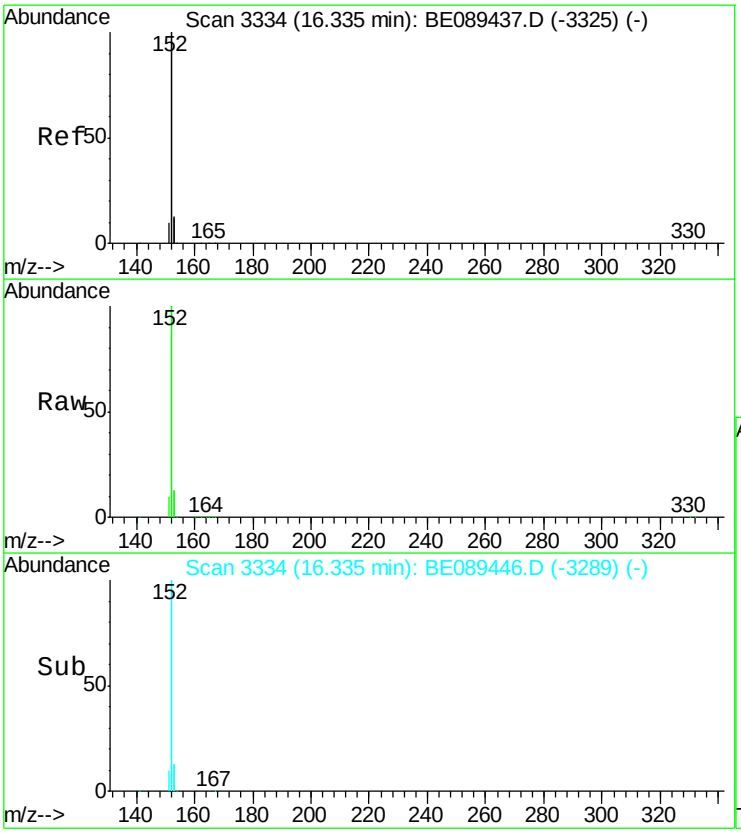
#7
2-Fluorobiphenyl
Concen: 5.61 ng
RT: 15.13 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:172 Resp: 201208

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.4
170	23.1	16.5	24.7

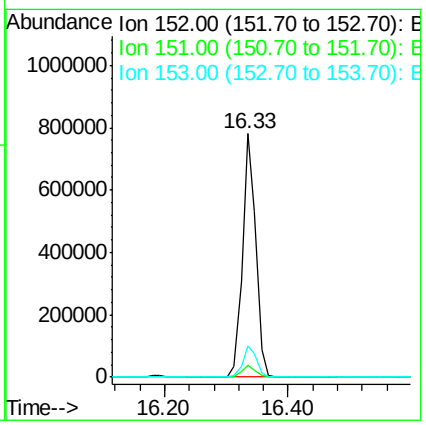


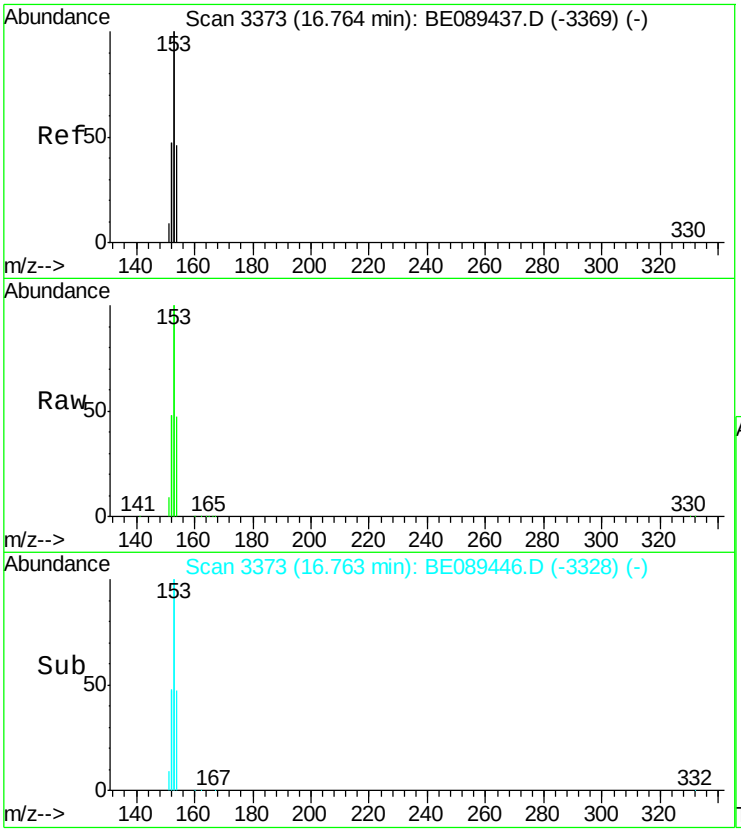


#8
Acenaphthylene
Concen: 4.72 ng
RT: 16.33 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:152 Resp: 1154979

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.3	15.5



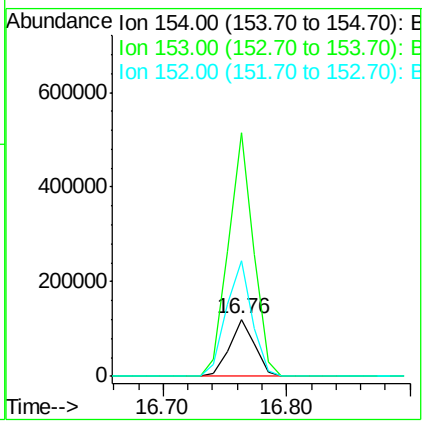


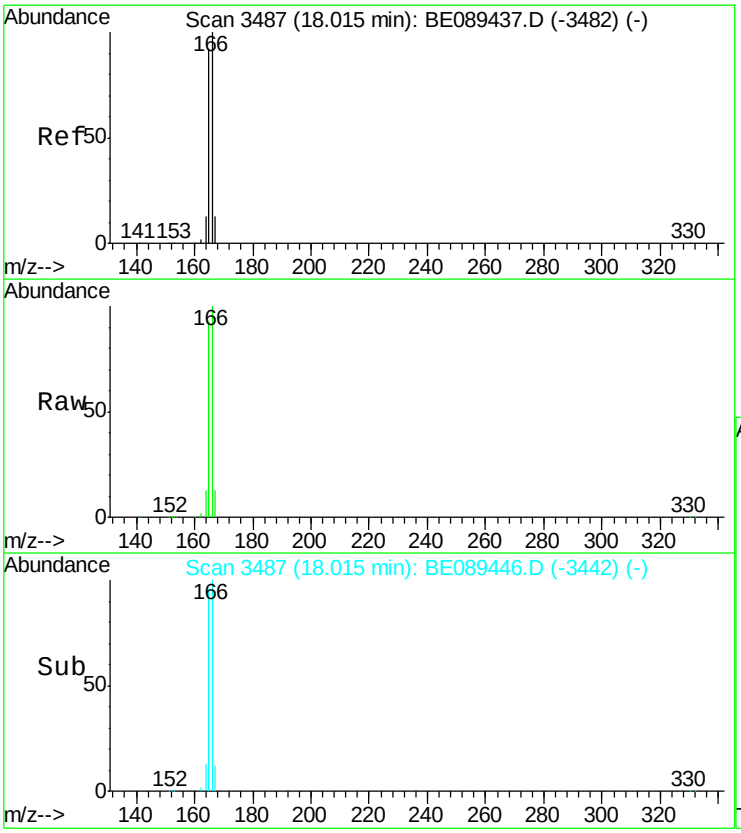
#9
Acenaphthene
Concen: 4.62 ng
RT: 16.76 min Scan# 3373
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:154 Resp: 169943

Ion	Ratio	Lower	Upper
154	100		
153	428.8	342.3	513.5
152	208.2	165.5	248.3

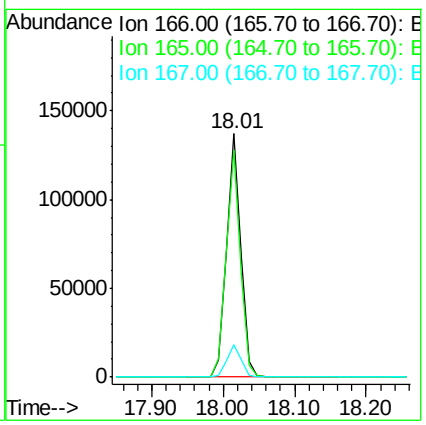


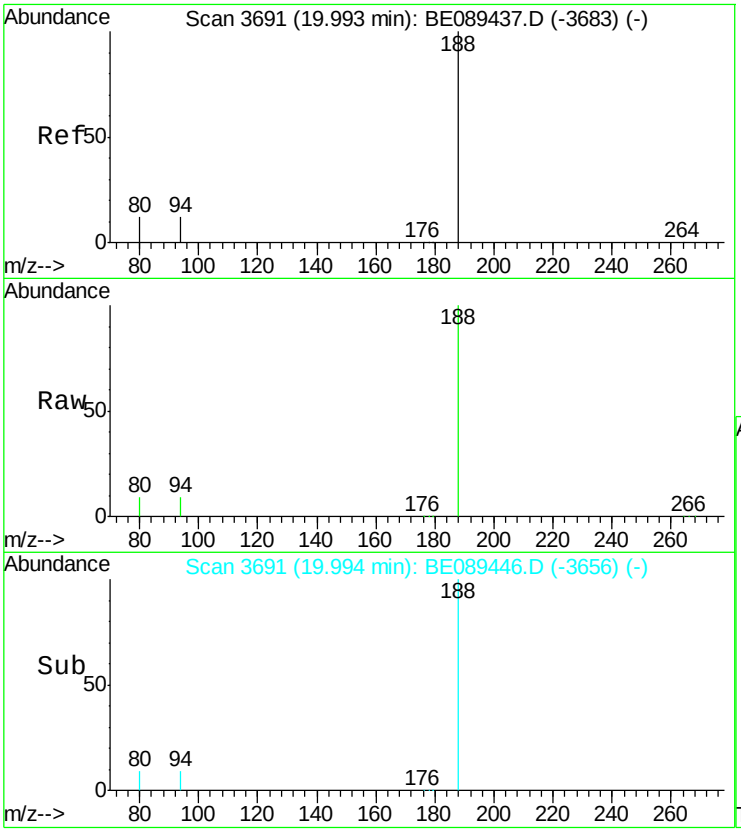


#10
Fluorene
Concen: 4.71 ng
RT: 18.01 min Scan# 3487
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:166 Resp: 192664

Ion	Ratio	Lower	Upper
166	100		
165	93.2	74.4	111.6
167	13.2	10.6	15.8



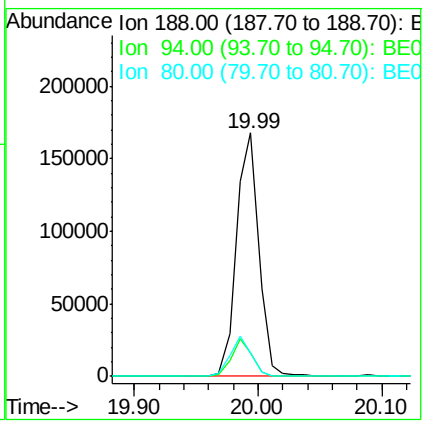


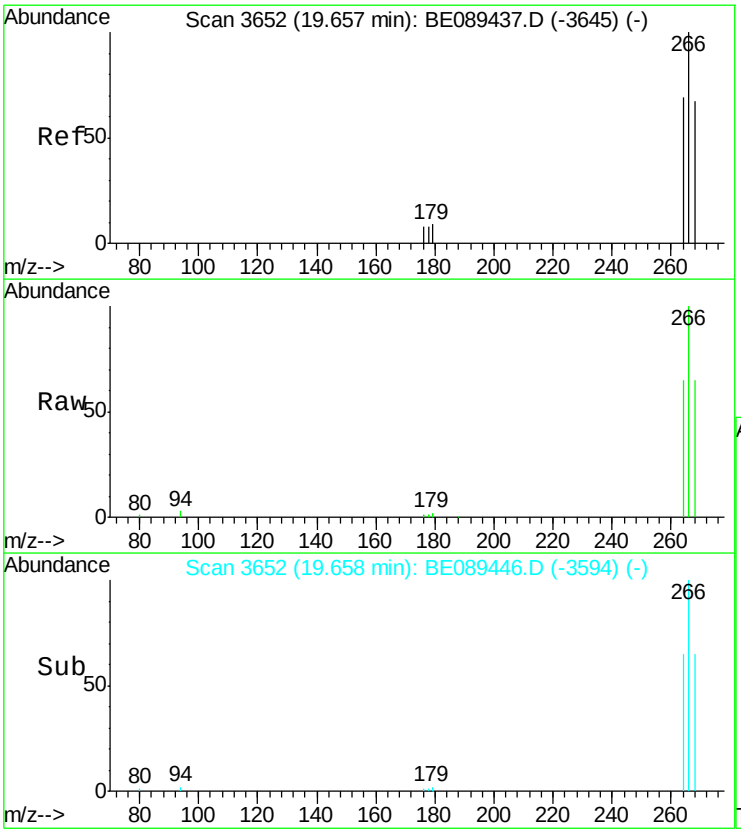
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:188 Resp: 209991

Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.0
80	9.4	9.3	13.9

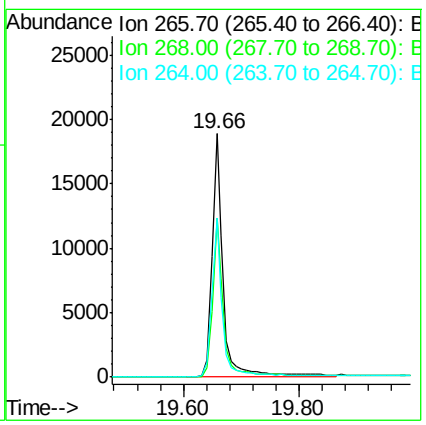


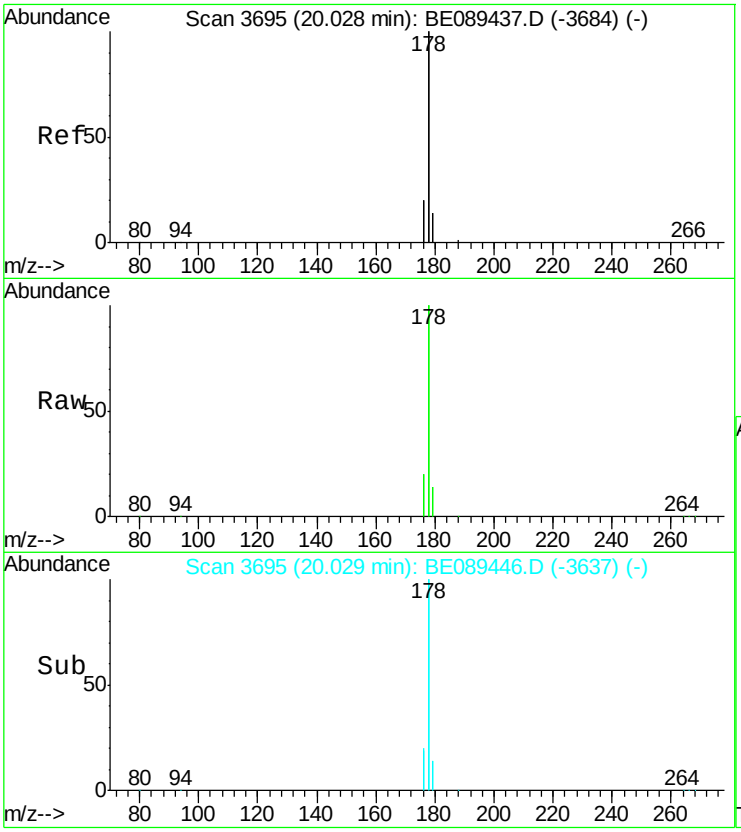


#12
Pentachlorophenol
Concen: 10.52 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:266 Resp: 25616

Ion	Ratio	Lower	Upper
266	100		
268	65.2	54.2	81.4
264	65.3	56.2	84.2



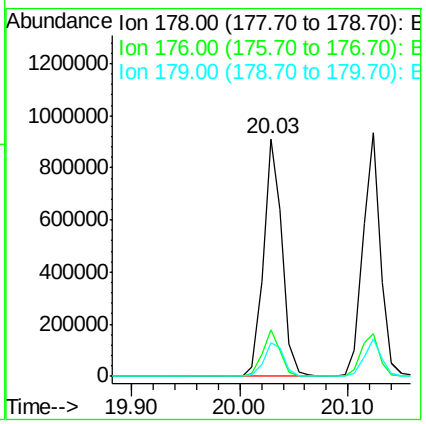


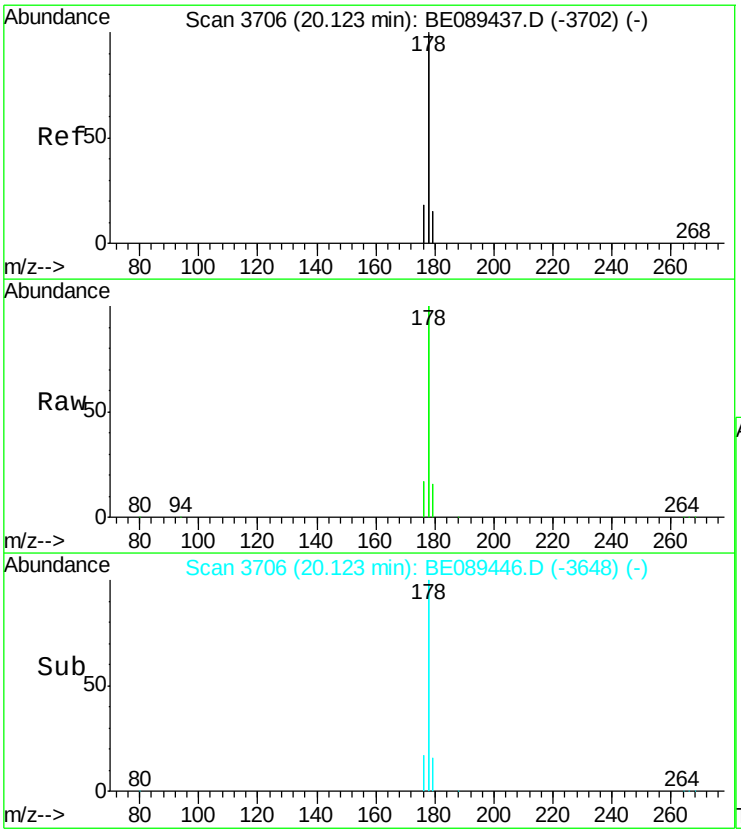
#13
Phenanthrene
Concen: 5.29 ng
RT: 20.03 min Scan# 3695
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:178 Resp: 1092425

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.3	18.5

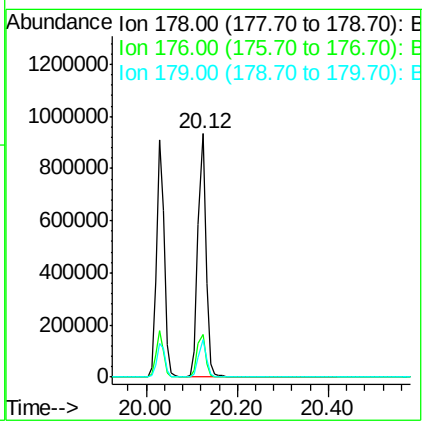


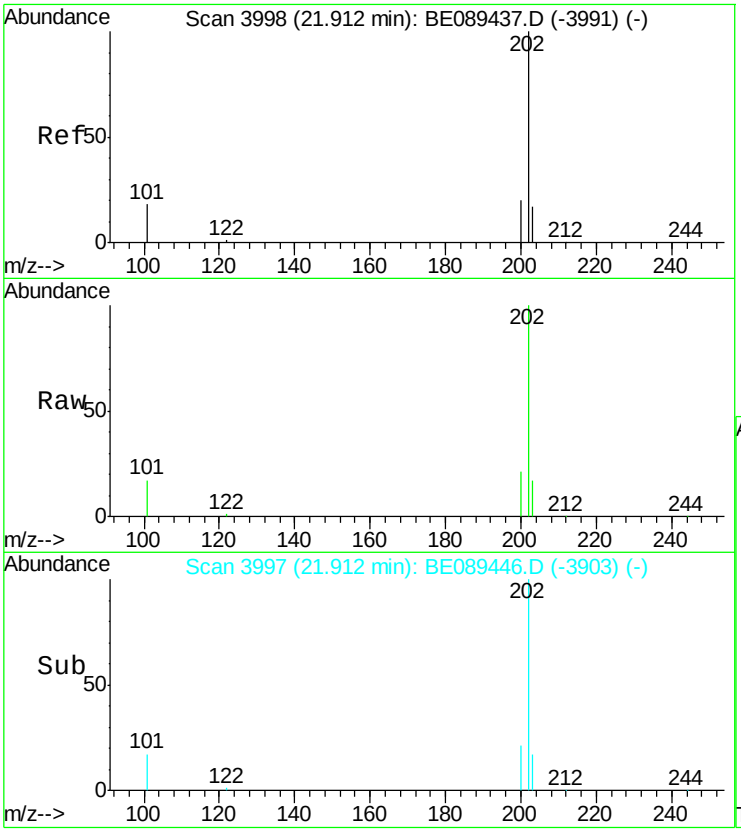


#14
Anthracene
Concen: 5.70 ng
RT: 20.12 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:178 Resp: 1073933

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.0	12.2	18.2



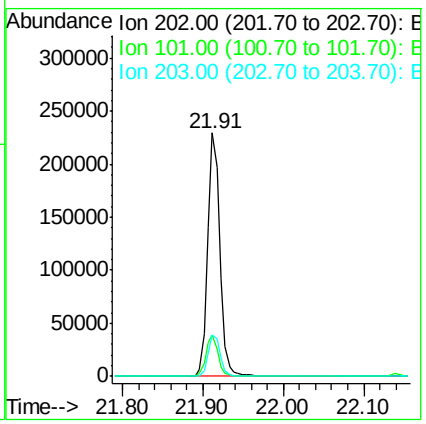


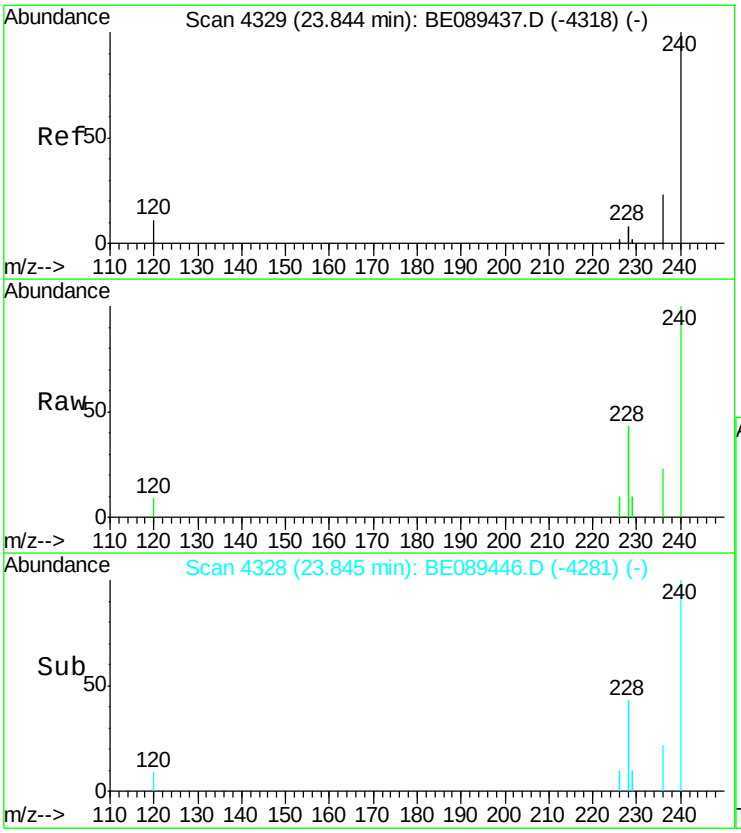
#15
Fluoranthene
Concen: 5.35 ng
RT: 21.91 min Scan# 3997
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:202 Resp: 241176

Ion	Ratio	Lower	Upper
202	100		
101	16.5	13.6	20.4
203	17.2	13.8	20.6

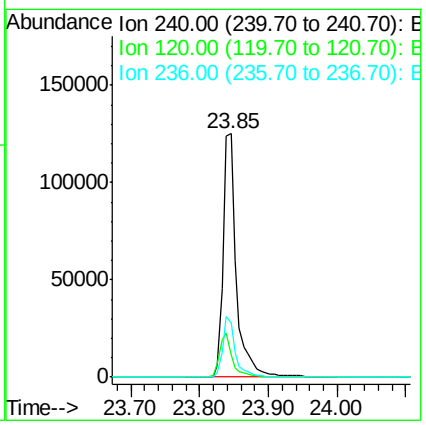


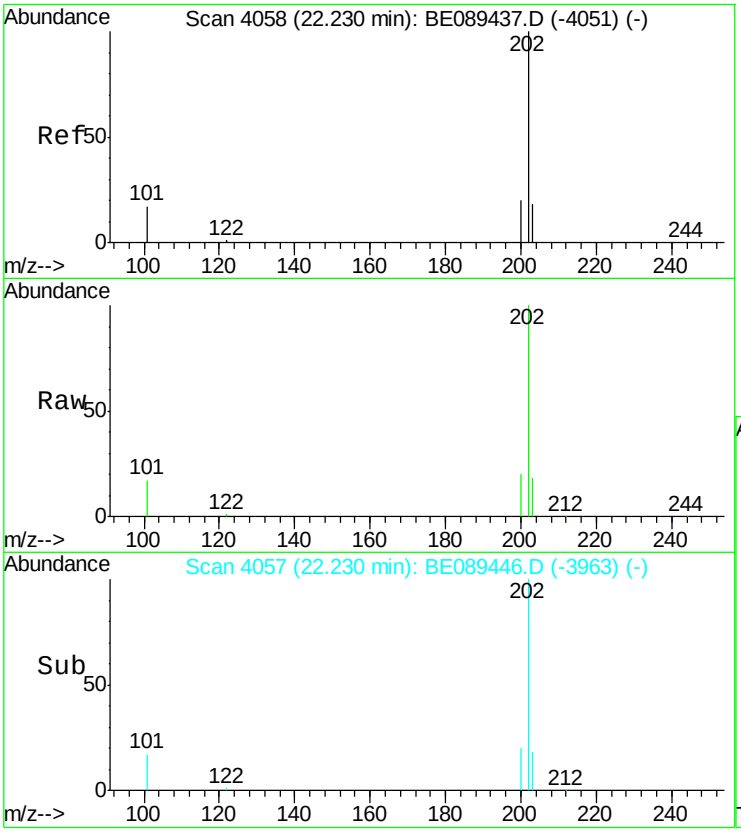


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.85 min Scan# 4328
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:240 Resp: 168647

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.6	13.0
236	22.5	18.7	28.1



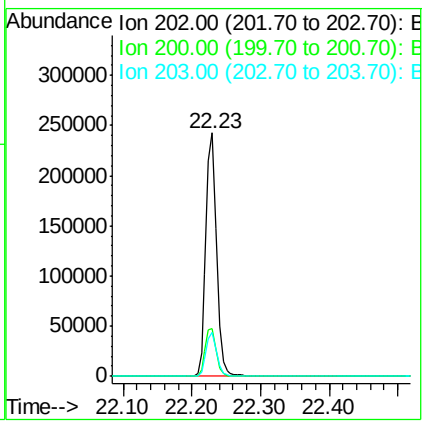


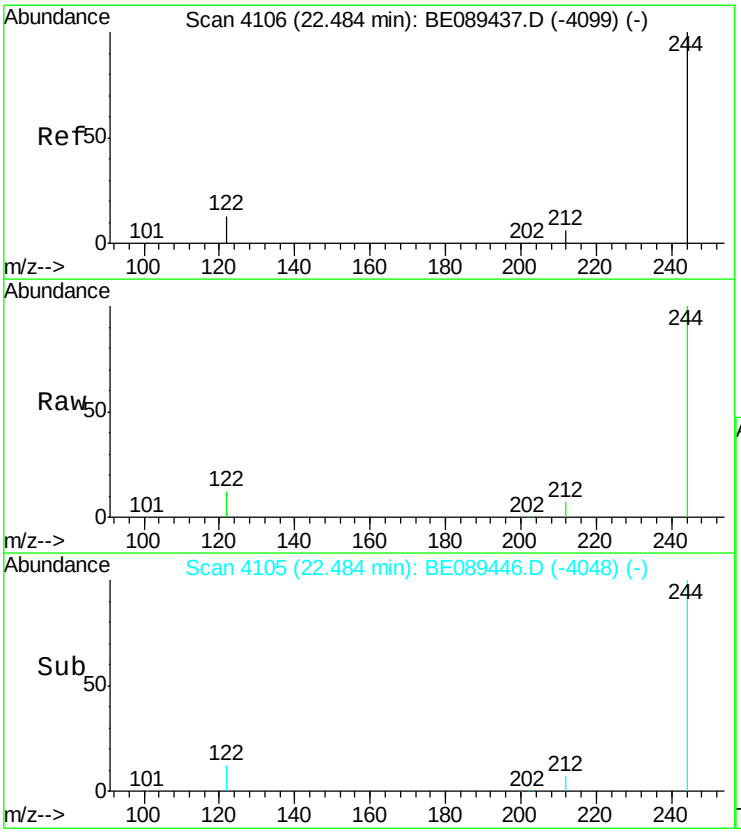
#17
Pyrene
Concen: 5.79 ng
RT: 22.23 min Scan# 4057
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:202 Resp: 258870

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.8	13.8	20.8

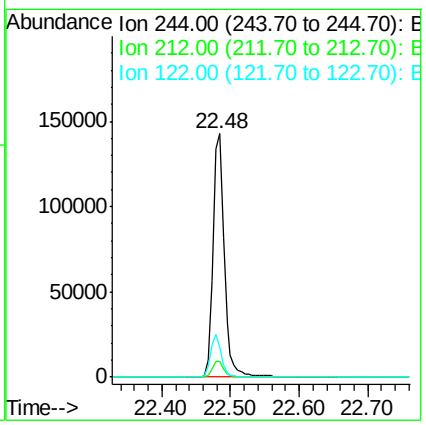


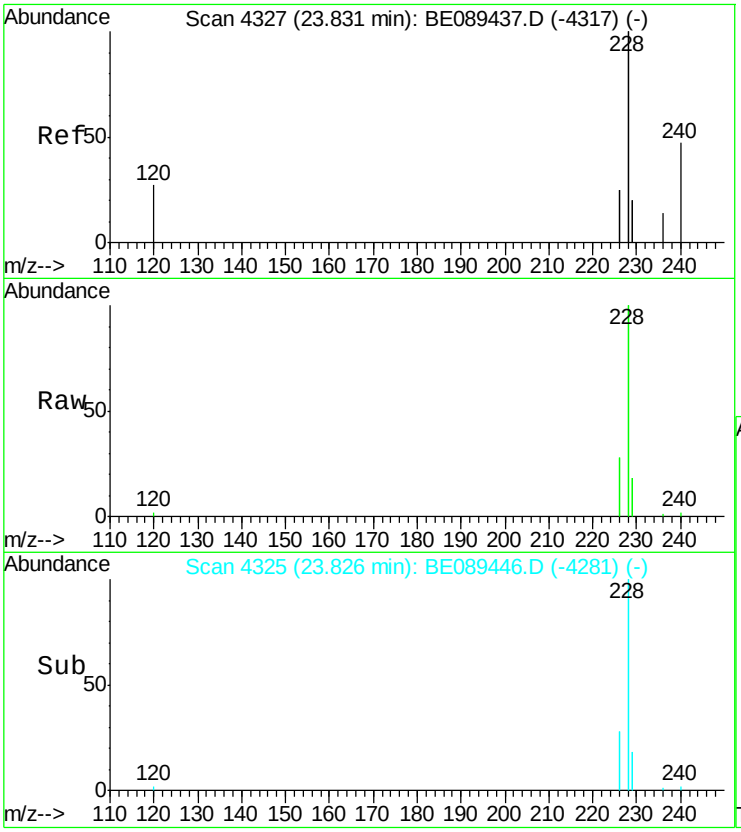


#18
Terphenyl-d14
Concen: 6.27 ng
RT: 22.48 min Scan# 4105
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:244 Resp: 158273

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.6
122	12.2	10.2	15.4



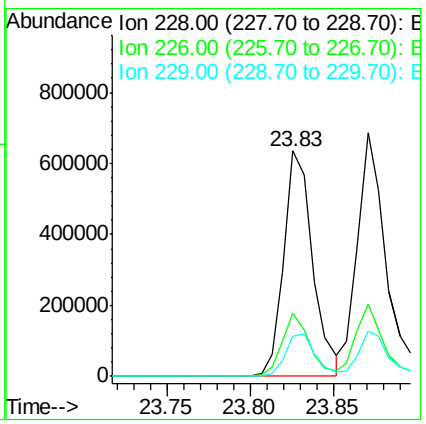


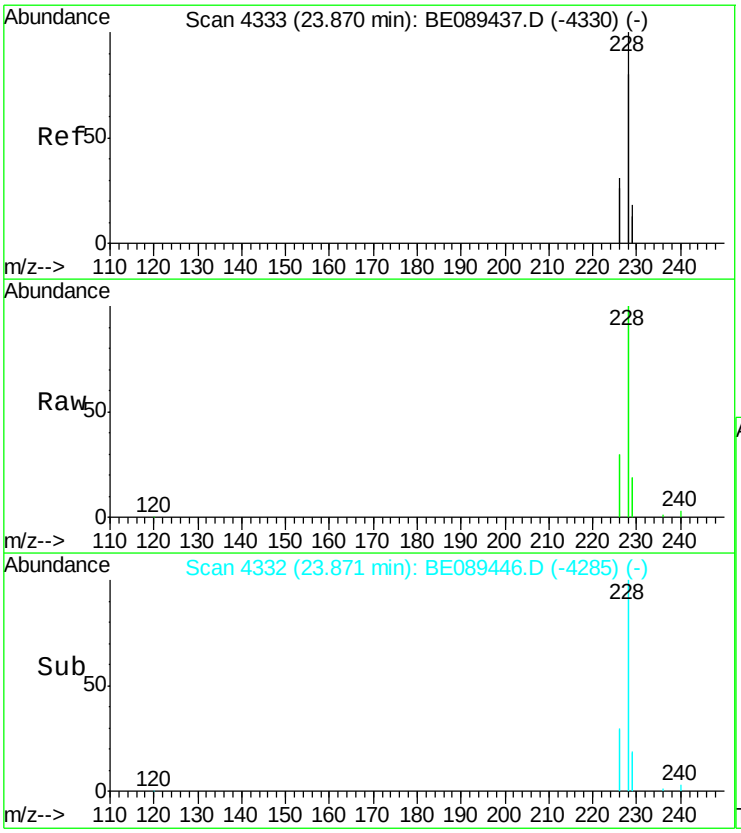
#19
Benzo(a)anthracene
Concen: 5.38 ng
RT: 23.83 min Scan# 4325
Delta R.T. -0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:228 Resp: 763571

Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.0	30.0
229	17.9	16.0	24.0

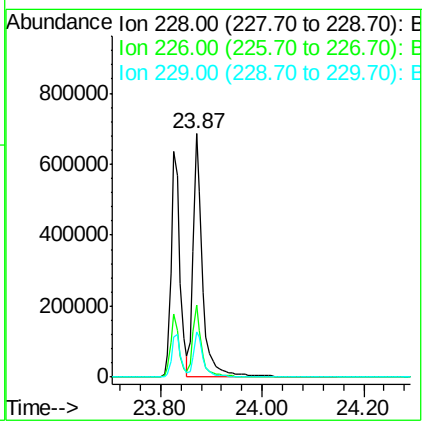


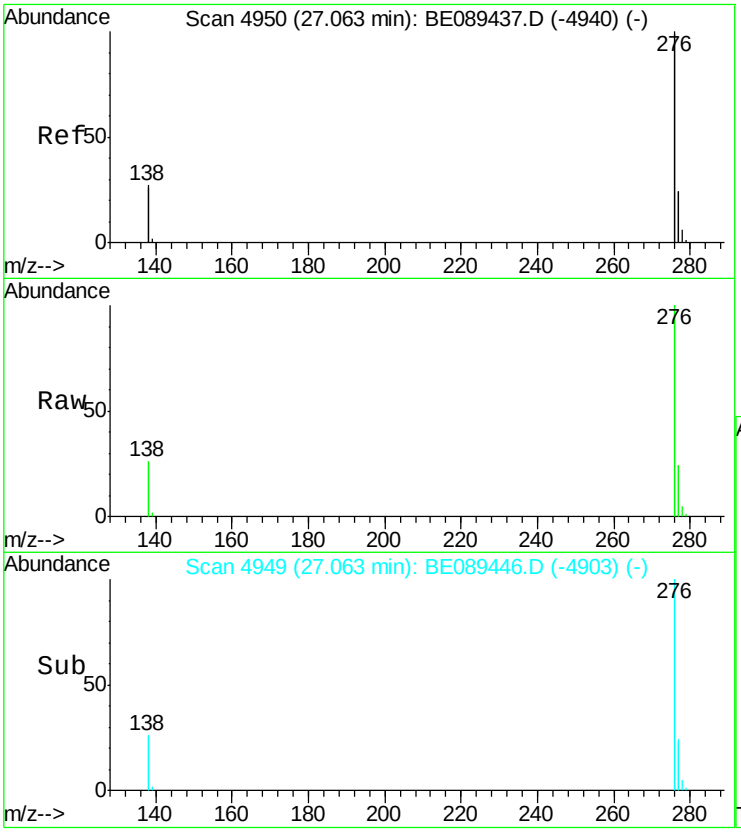


#20
Chrysene
Concen: 5.52 ng
RT: 23.87 min Scan# 4332
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:228 Resp: 883641

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.5	36.7
229	18.5	14.1	21.1



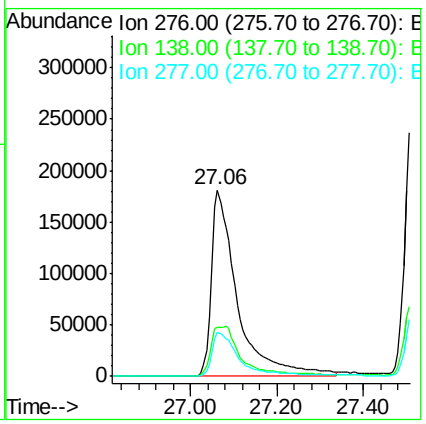


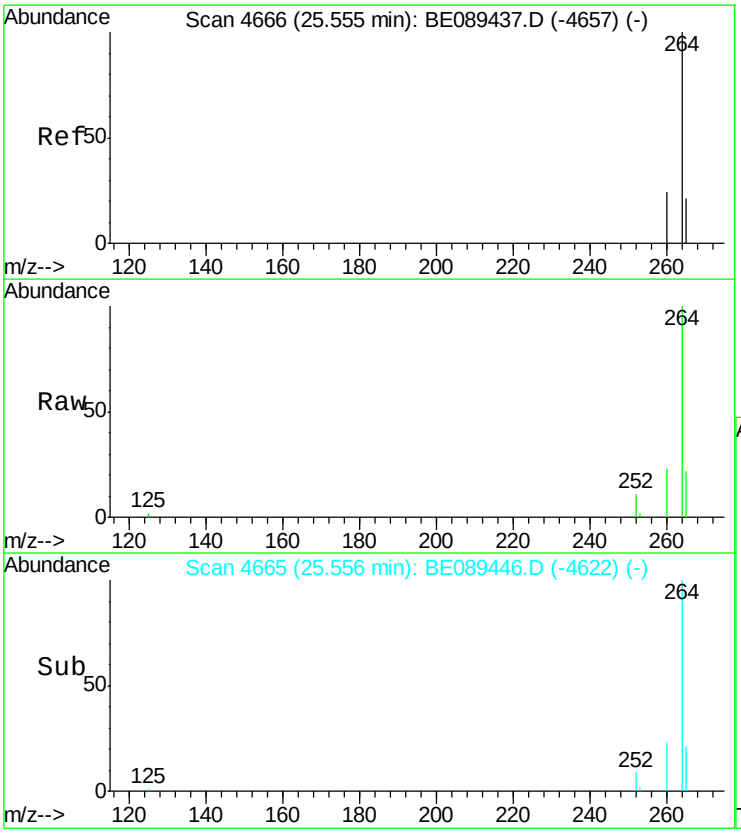
#21
Indeno(1,2,3-cd)pyrene
Concen: 5.41 ng
RT: 27.06 min Scan# 4949
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:276 Resp: 756065

Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.4	38.0
277	24.8	19.8	29.6

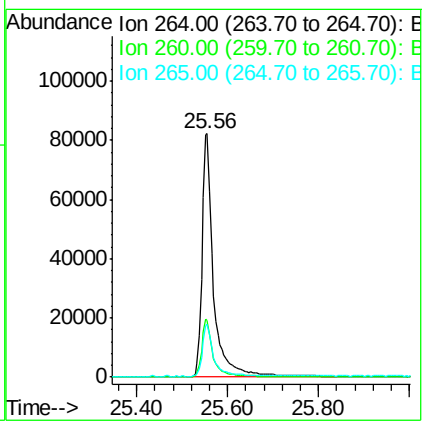


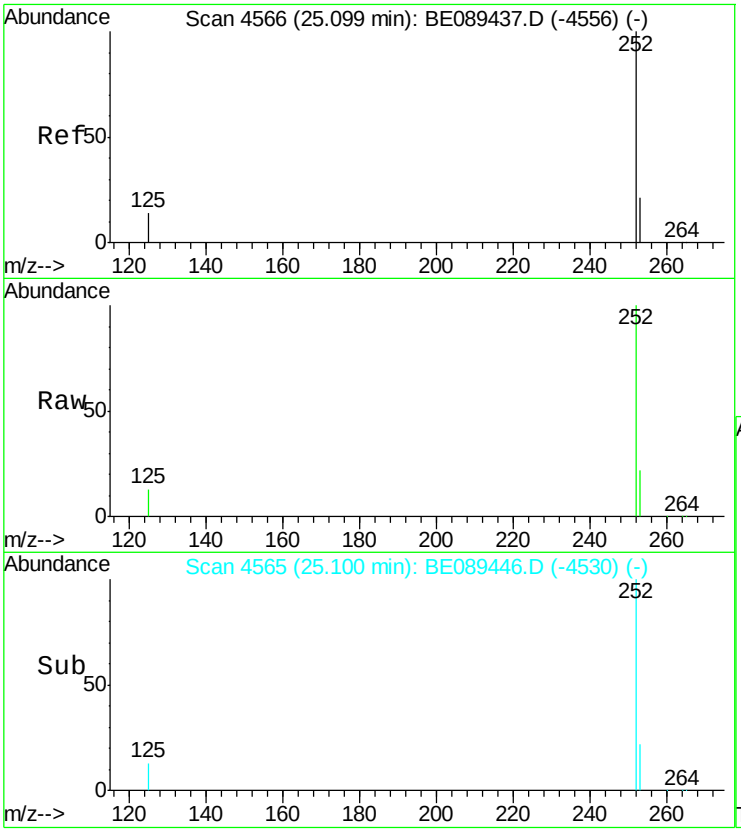


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.56 min Scan# 4665
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:264 Resp: 144970

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	21.7	17.0	25.6



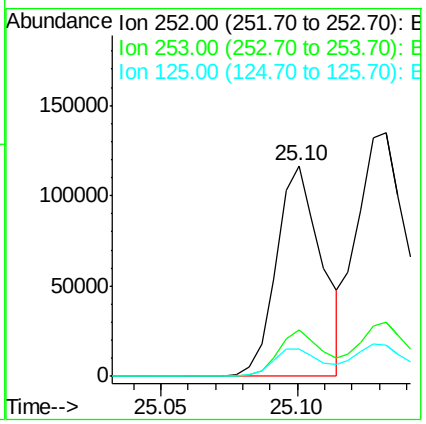


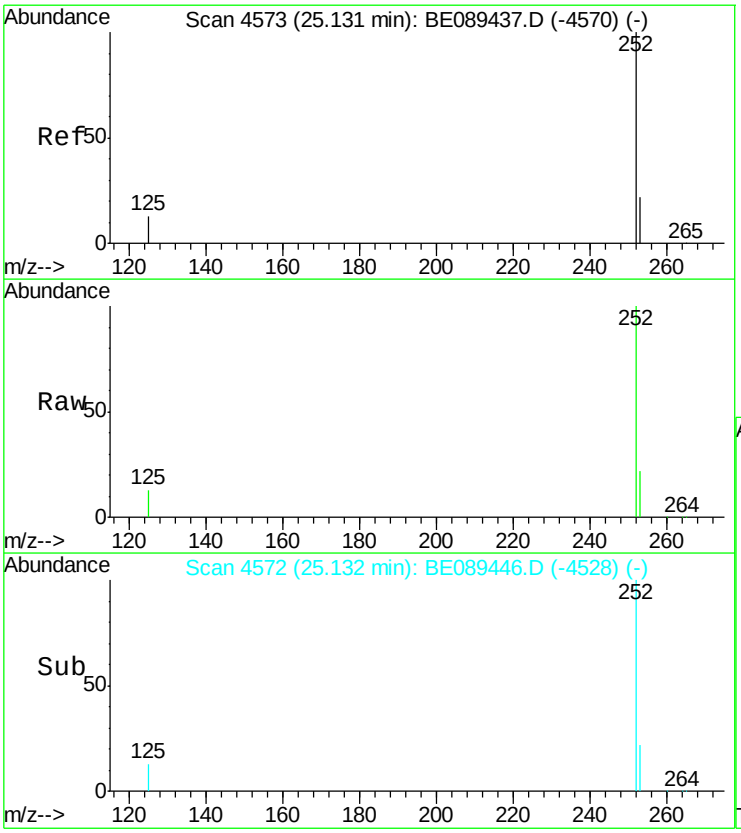
#23
Benzo(b)fluoranthene
Concen: 5.21 ng
RT: 25.10 min Scan# 4565
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:252 Resp: 134657

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.9	11.4	17.0

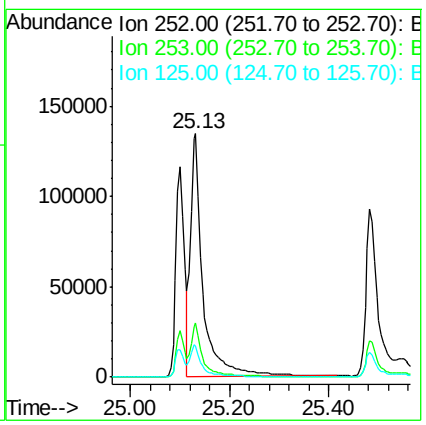


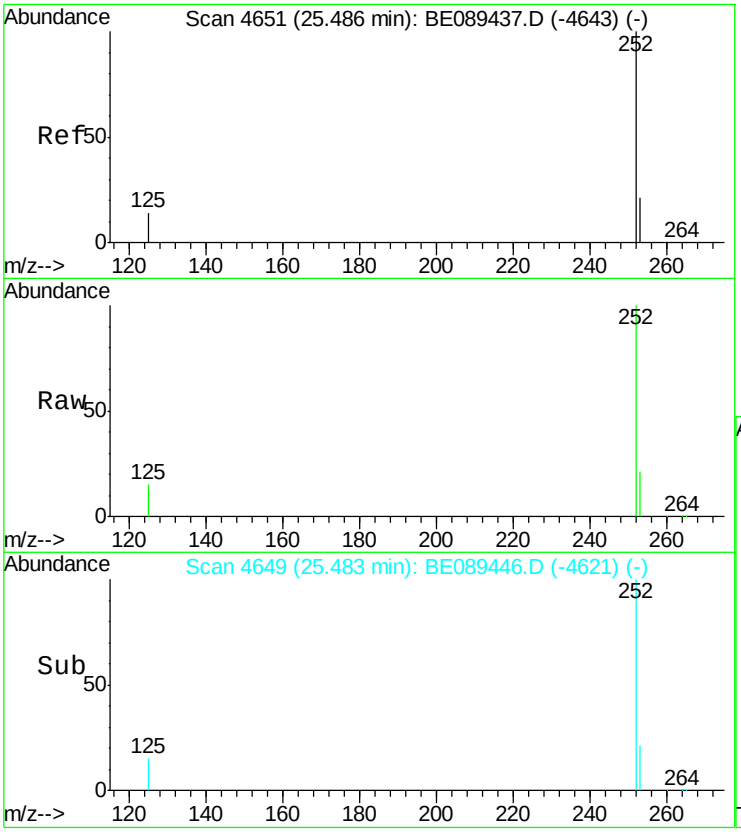


#24
Benzo(k)fluoranthene
Concen: 6.39 ng
RT: 25.13 min Scan# 4572
Delta R.T. 0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:252 Resp: 235828

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	12.6	10.9	16.3



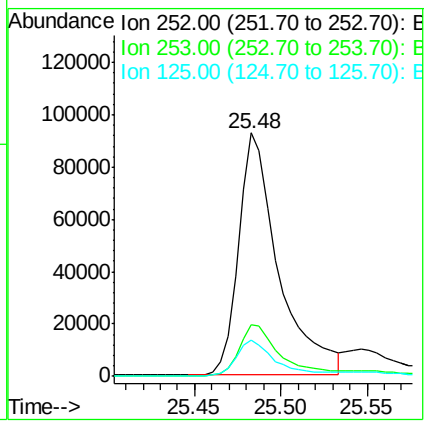


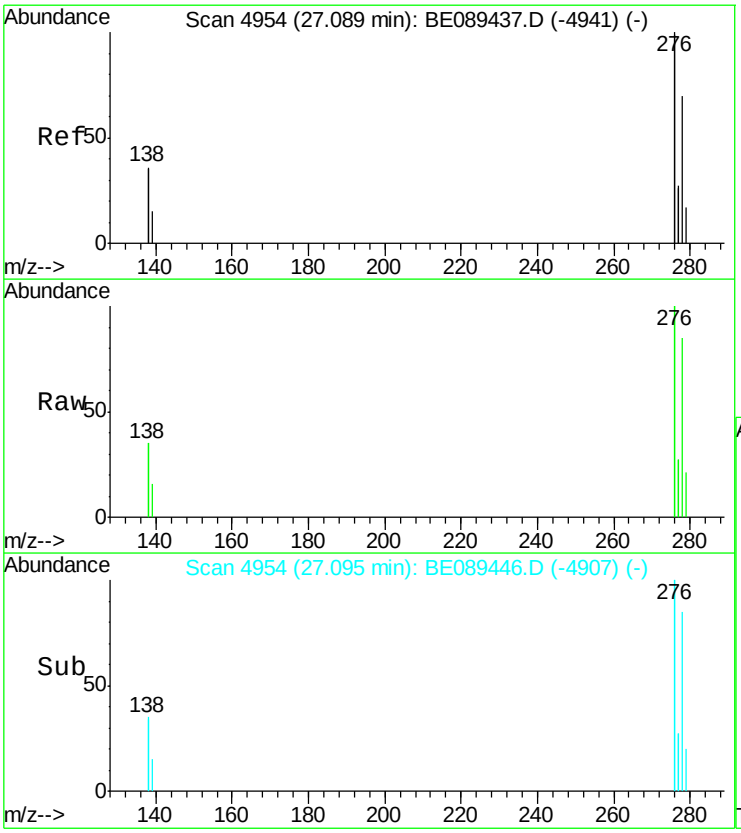
#25
Benzo(a)pyrene
Concen: 5.65 ng
RT: 25.48 min Scan# 4649
Delta R.T. -0.00 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:252 Resp: 148272

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	15.1	12.0	18.0

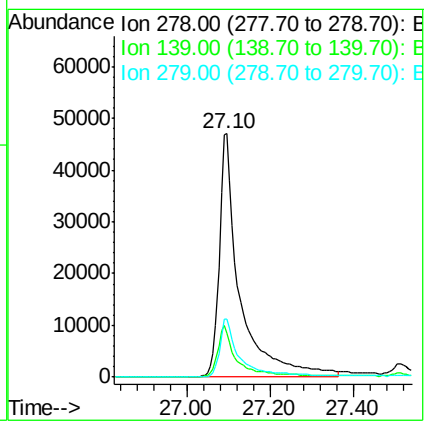


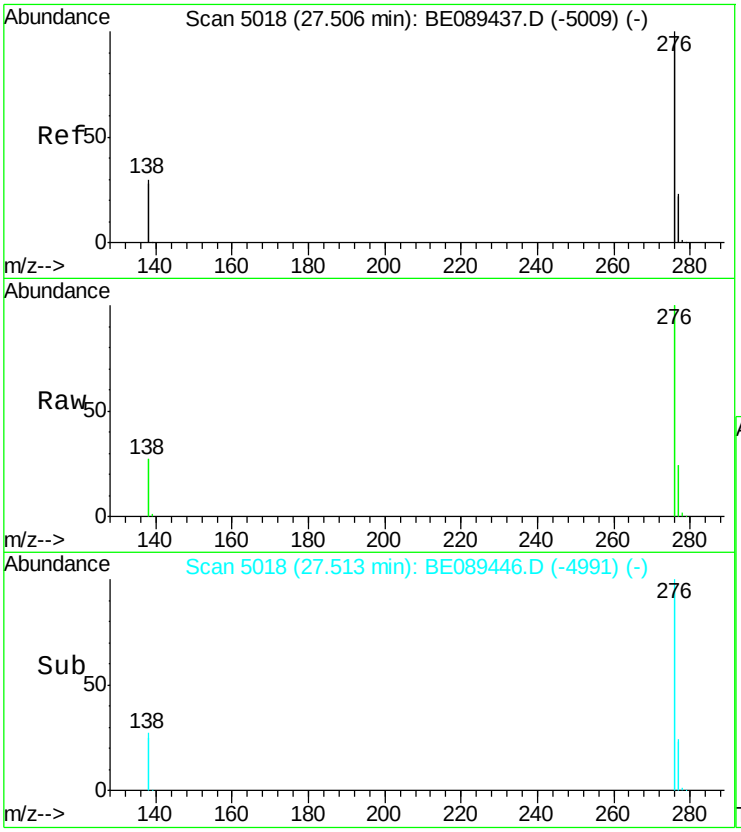


#26
Dibenzo(a,h)anthracene
Concen: 5.44 ng
RT: 27.10 min Scan# 4954
Delta R.T. 0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Tgt Ion:278 Resp: 162079

Ion	Ratio	Lower	Upper
278	100		
139	18.2	17.0	25.4
279	24.1	19.1	28.7





#27
Benzo(g,h,i)perylene
Concen: 6.04 ng
RT: 27.51 min Scan# 5018
Delta R.T. 0.01 min
Lab File: BE089446.D
Acq: 30 Jan 2015 20:01

Instrument :
BNA_E
ClientSampleId :
PB81495BSD

Tgt Ion:276 Resp: 700122

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.4	27.6
138	26.7	23.7	35.5