Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089445.D
Acq On : 30 Jan 2015 19:22
Operator : TP/IZ
Sample : PB81495BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB81495BS

Quant Time: Feb 02 00:09:43 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	61554	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	262028	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	142879	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	247249	5.00	ng	0.00
16) Chrysene-d12	23.84	240	208080	5.00	ng	0.00
22) Perylene-d12	25.55	264	157668	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	95986	5.53	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	188901	5.02	ng	0.00
18) Terphenyl-d14	22.48	244	192177	6.17	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	277977	4.52	ng	100
5) 2-Methylnaphthalene	14.21	142	168692	4.54	ng	99
8) Acenaphthylene	16.34	152	982341	3.82	ng	100
9) Acenaphthene	16.76	154	146236	3.79	ng	100
10) Fluorene	18.02	166	170393	3.97	ng	98
12) Pentachlorophenol	19.66	266	25016	9.46	ng	93
13) Phenanthrene	20.03	178	1017150	4.19	ng	100
14) Anthracene	20.12	178	1006892	4.54	ng	99
15) Fluoranthene	21.91	202	235588	4.44	ng	99
17) Pyrene	22.23	202	254974	4.62	ng	99
19) Benzo(a)anthracene	23.83	228	745876	4.26	ng	94
20) Chrysene	23.87	228	873581	4.42	ng	99
21) Indeno(1,2,3-cd)pyrene	27.06	276	569200	3.30	ng	100
23) Benzo(b)fluoranthene	25.10	252	113342	4.07	ng	99
24) Benzo(k)fluoranthene	25.13	252	213401	5.31	ng	99
25) Benzo(a)pyrene	25.49	252	124958	4.40	ng	99
26) Dibenzo(a,h)anthracene	27.09	278	120420	3.76	ng	99
27) Benzo(g,h,i)perylene	27.51	276	533570	4.23	ng	96

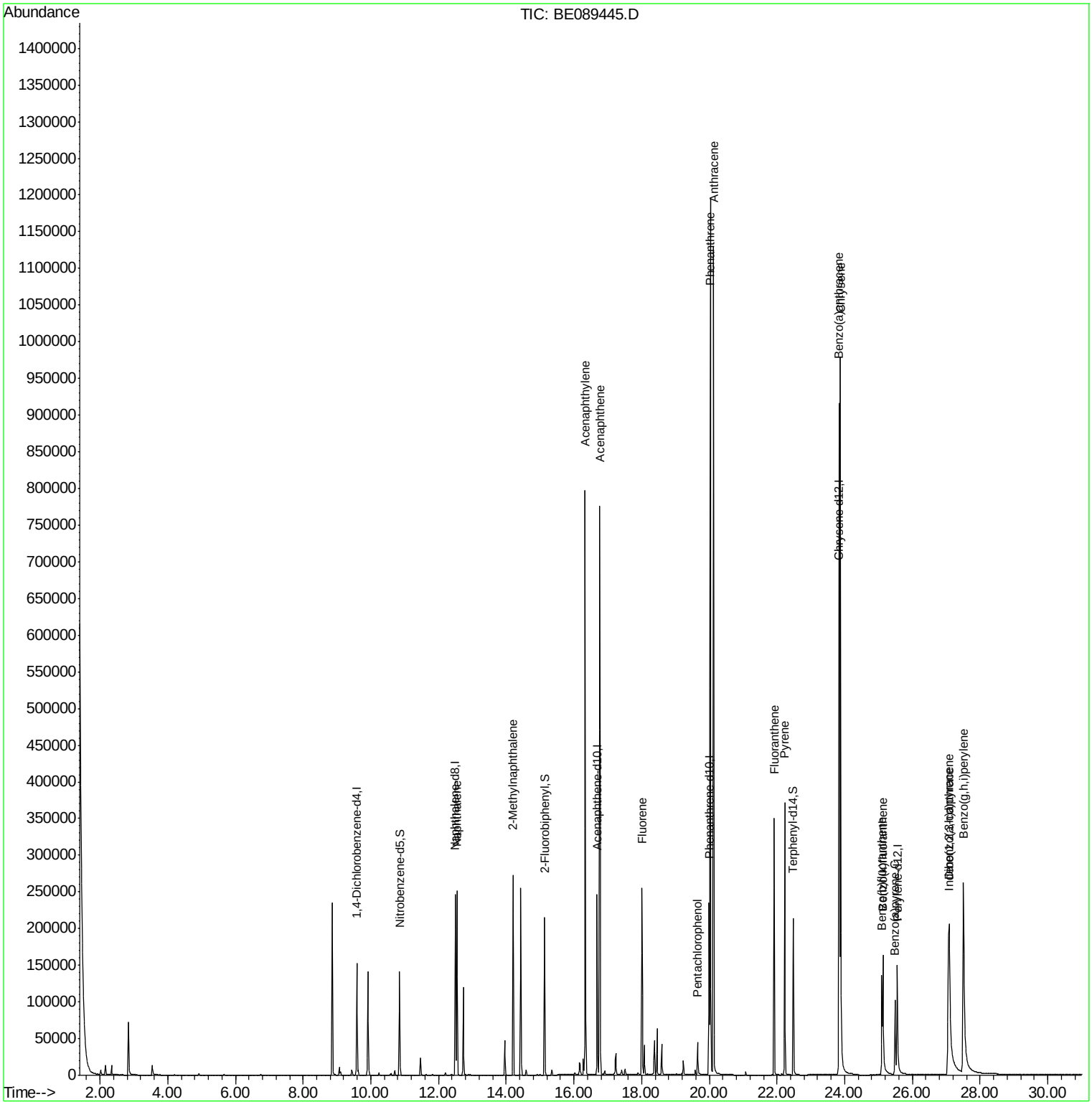
(#) = qualifier out of range (m) = manual integration (+) = signals summed

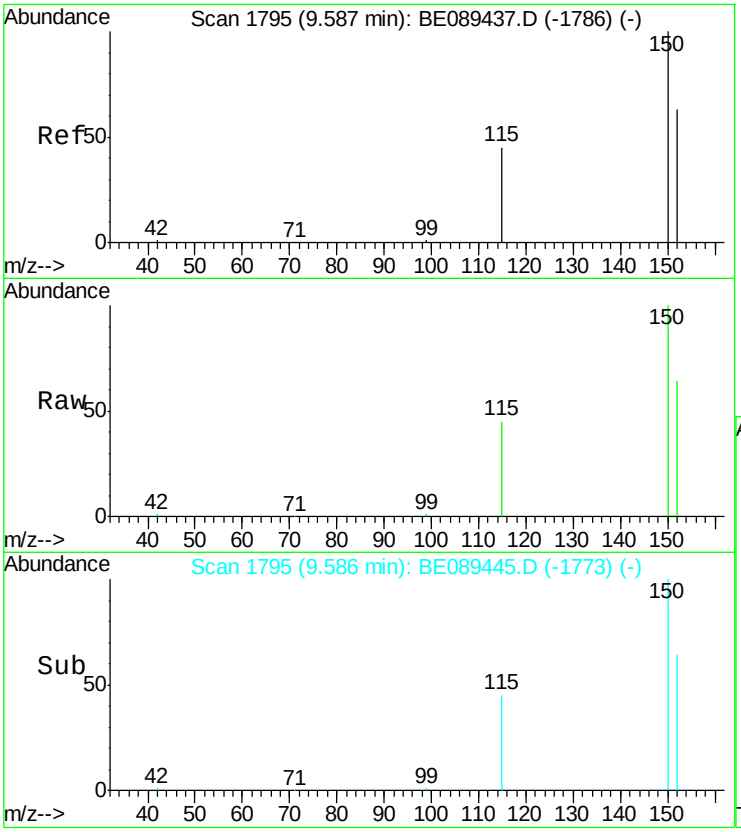
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089445.D
Acq On : 30 Jan 2015 19:22
Operator : TP/IZ
Sample : PB81495BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Quant Time: Feb 02 00:09:43 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



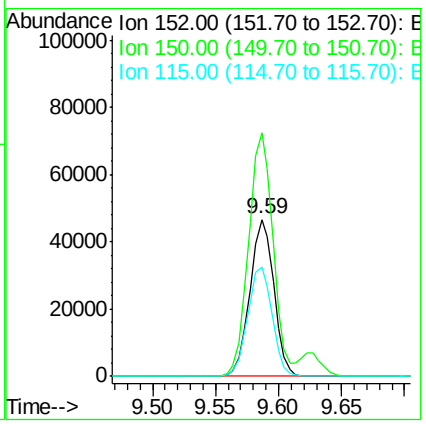


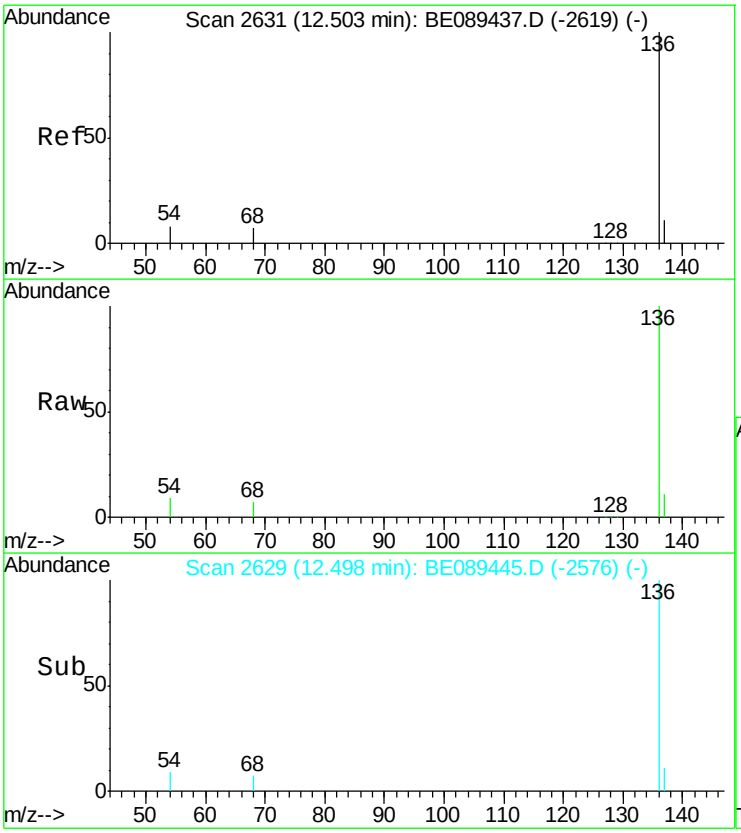
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.59 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:152 Resp: 61554

Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.2	190.8
115	69.5	57.5	86.3

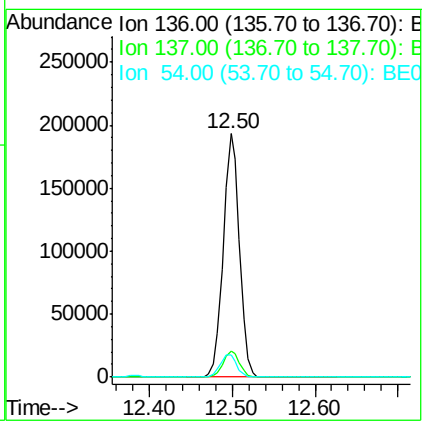


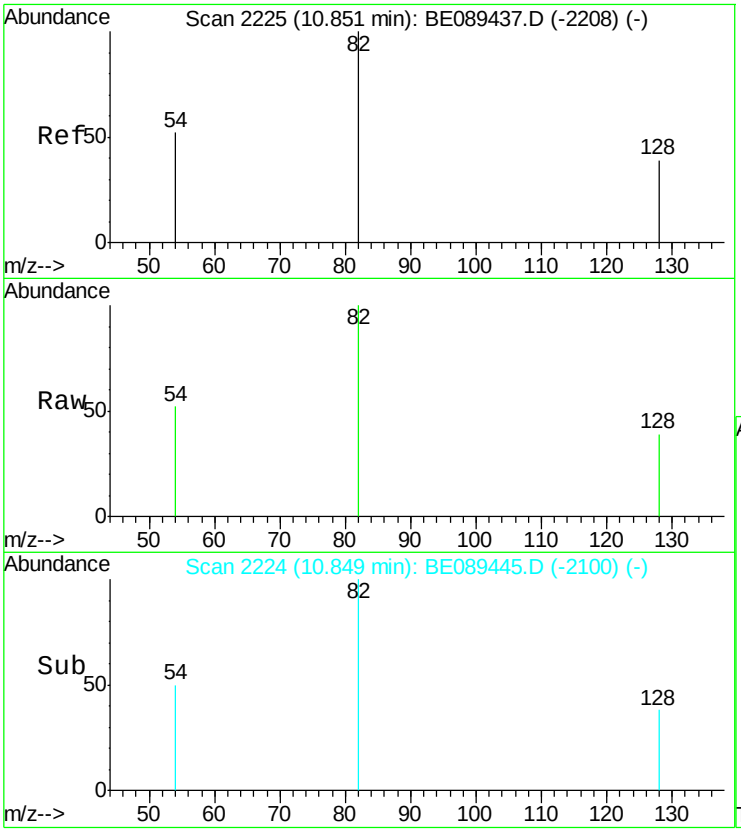


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 2629
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:136 Resp: 262028

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.3	6.6	10.0



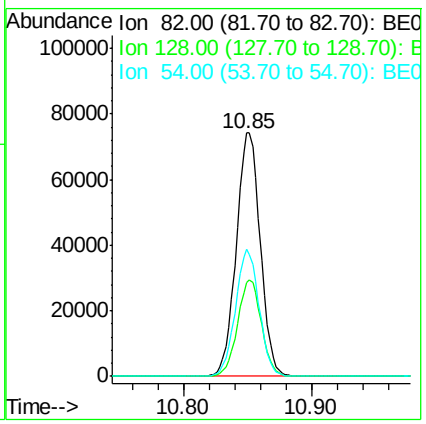


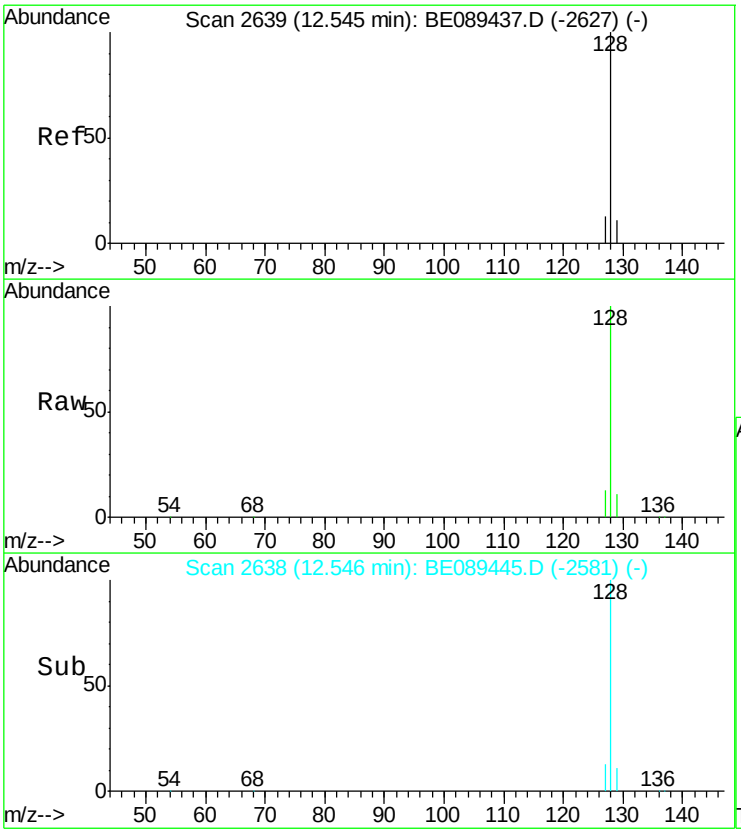
#3
Nitrobenzene-d5
Concen: 5.53 ng
RT: 10.85 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion: 82 Resp: 95986

Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.2	46.8
54	52.2	41.9	62.9

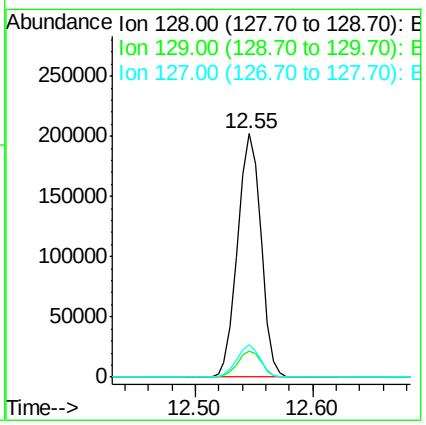


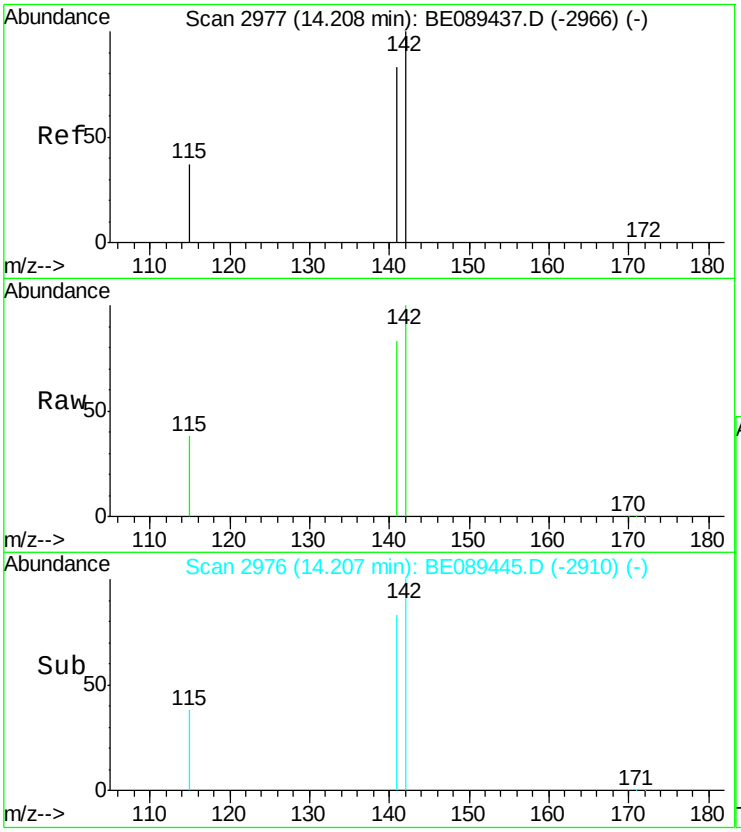


#4
Naphthalene
Concen: 4.52 ng
RT: 12.55 min Scan# 2638
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:128 Resp: 277977

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.6	16.0



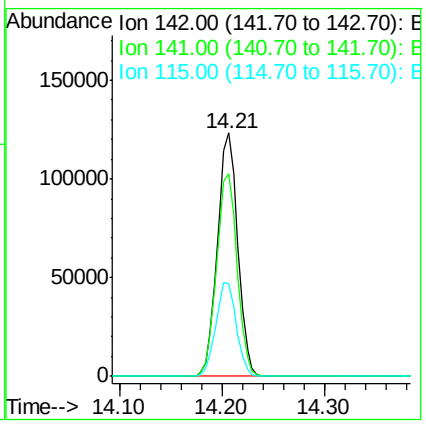


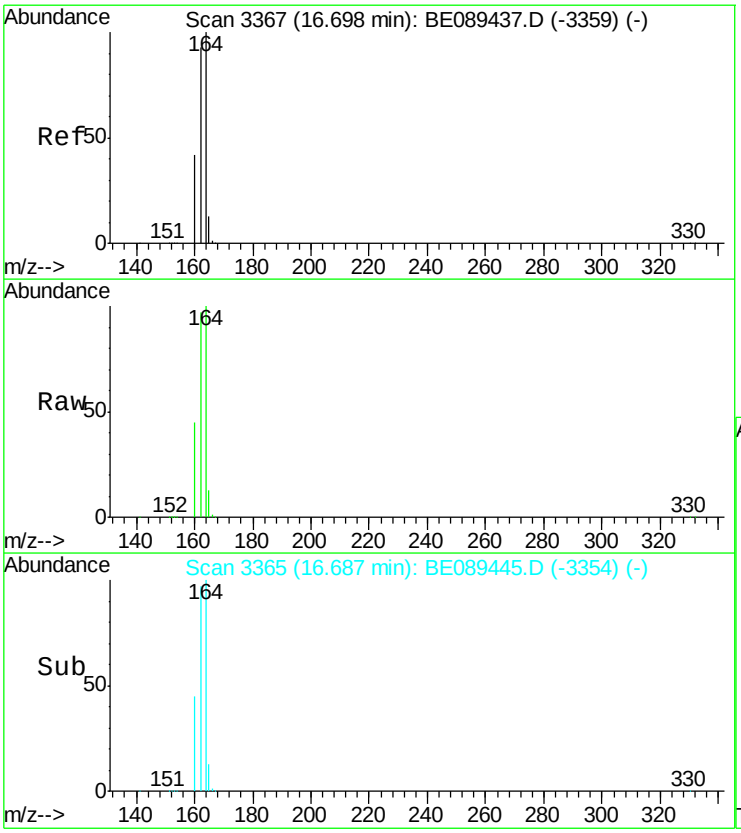
#5
2-Methylnaphthalene
Concen: 4.54 ng
RT: 14.21 min Scan# 2976
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:142 Resp: 168692

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.1	99.1
115	38.0	29.9	44.9

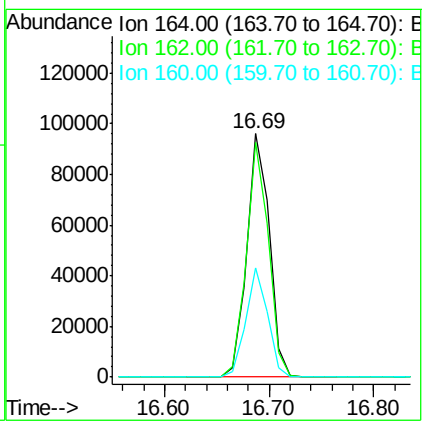


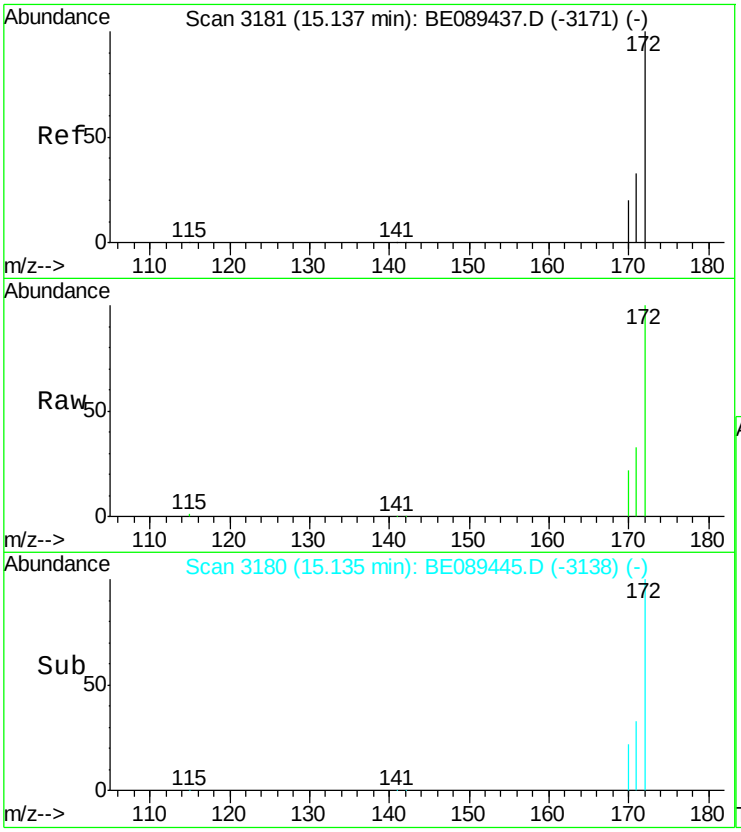


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.69 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:164 Resp: 142879

Ion	Ratio	Lower	Upper
164	100		
162	96.6	74.7	112.1
160	44.8	33.4	50.0



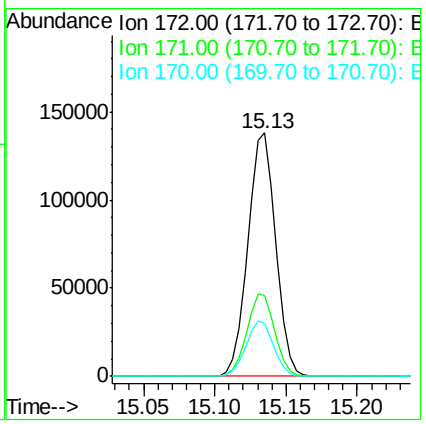


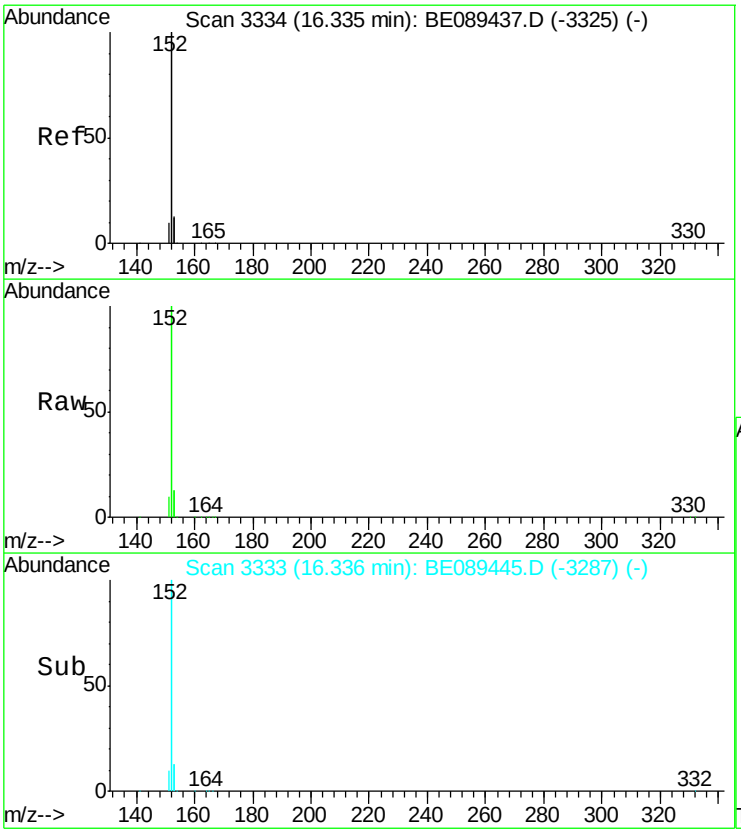
#7
2-Fluorobiphenyl
Concen: 5.02 ng
RT: 15.13 min Scan# 3180
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:172 Resp: 188901

Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.2	39.4
170	21.9	16.5	24.7

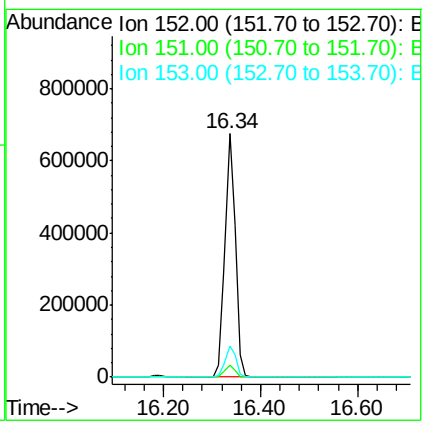


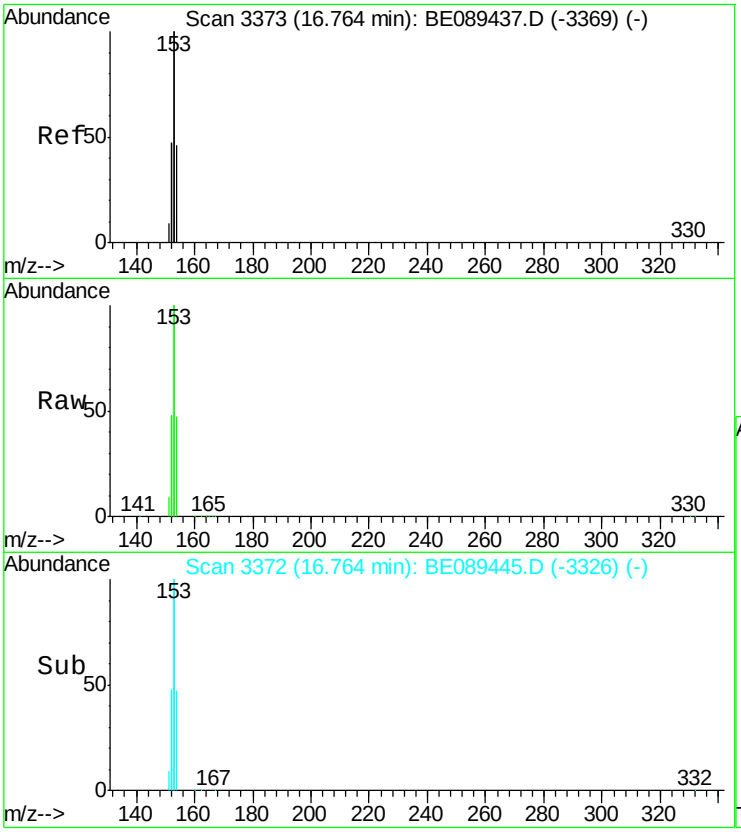


#8
Acenaphthylene
Concen: 3.82 ng
RT: 16.34 min Scan# 3333
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:152 Resp: 982341

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.3	15.5



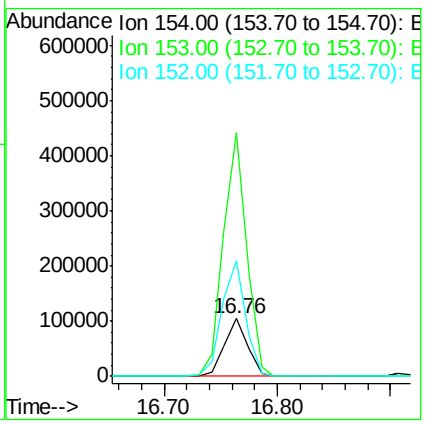


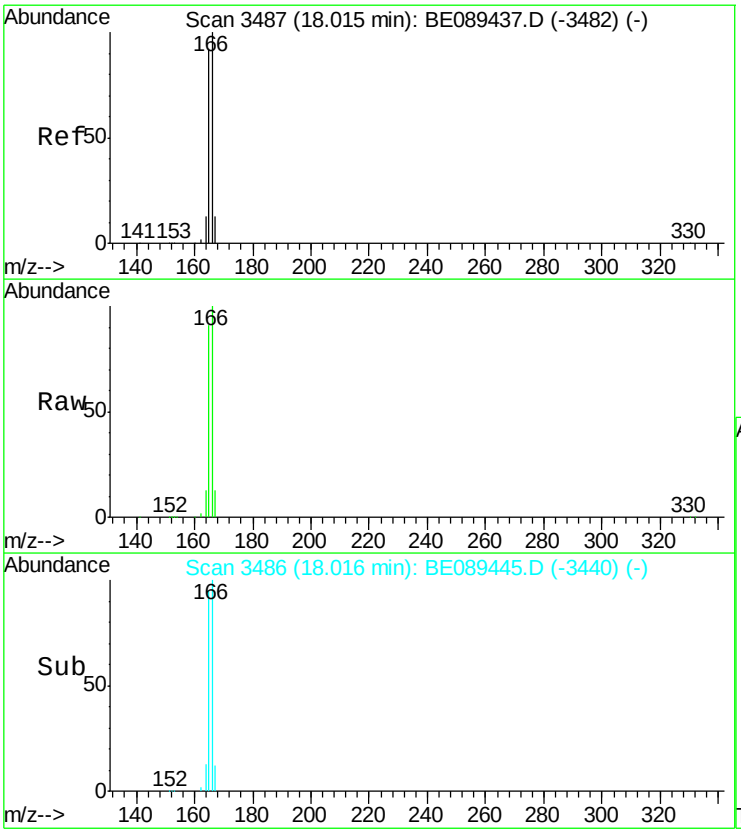
#9
Acenaphthene
Concen: 3.79 ng
RT: 16.76 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:154 Resp: 146236

Ion	Ratio	Lower	Upper
154	100		
153	426.9	342.3	513.5
152	205.9	165.5	248.3

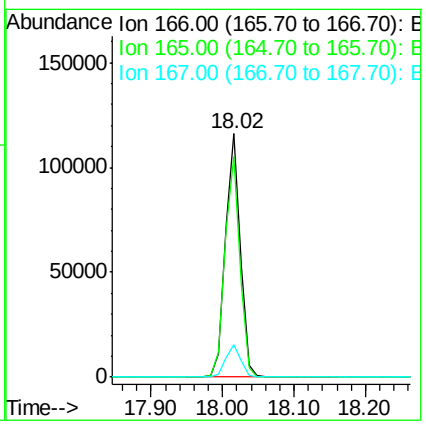


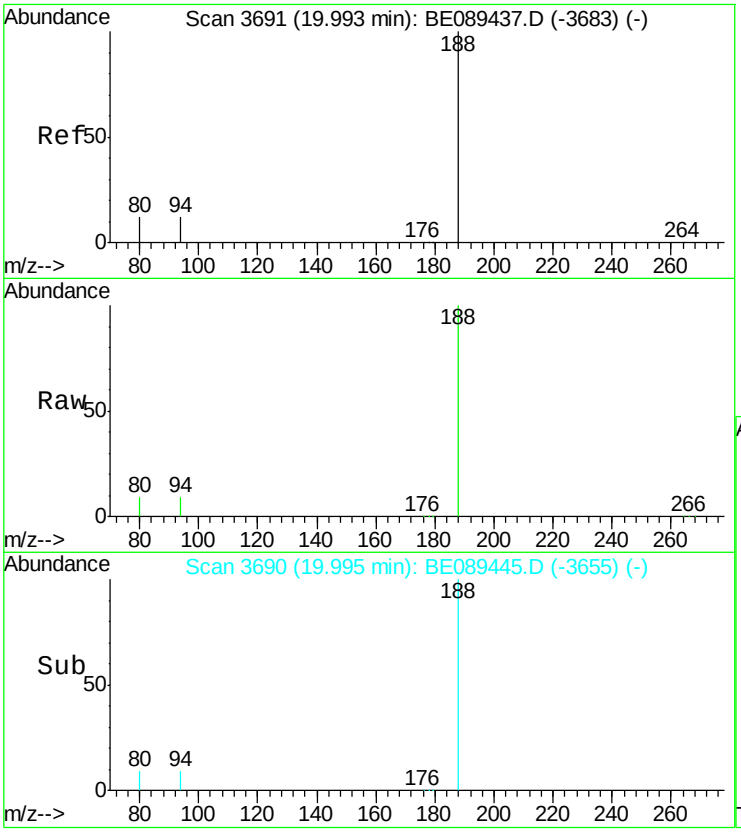


#10
Fluorene
Concen: 3.97 ng
RT: 18.02 min Scan# 3486
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:166 Resp: 170393

Ion	Ratio	Lower	Upper
166	100		
165	91.3	74.4	111.6
167	13.2	10.6	15.8



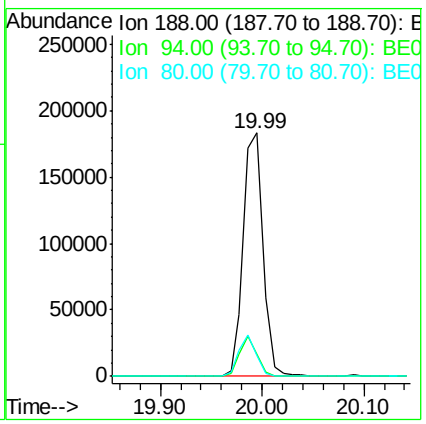


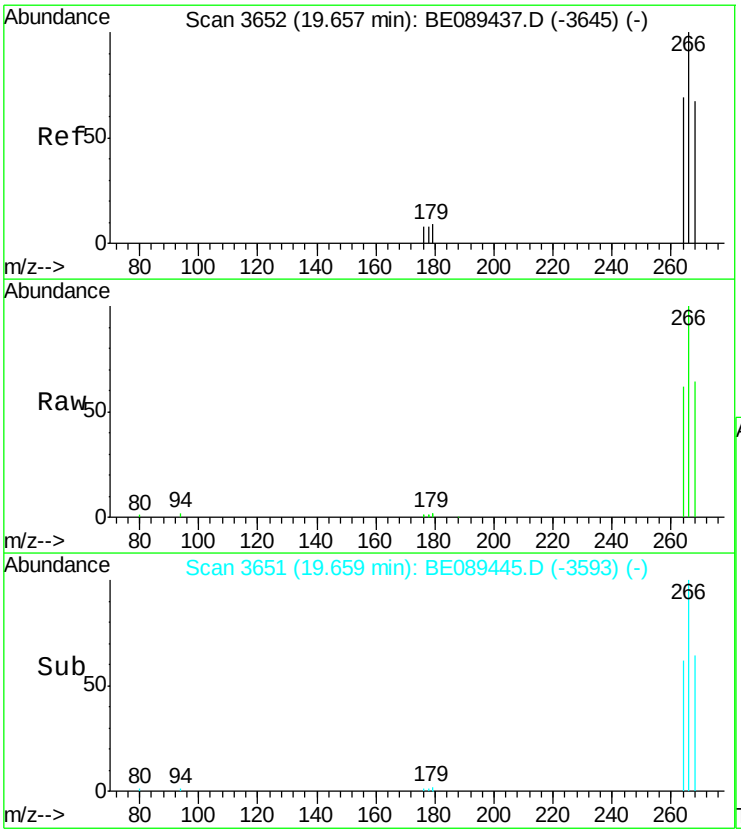
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3690
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:188 Resp: 247249

Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.4	14.0#
80	8.8	9.3	13.9#

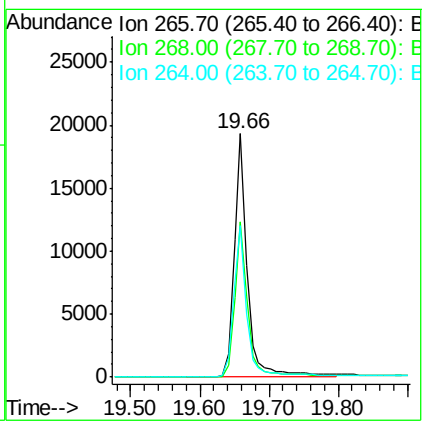


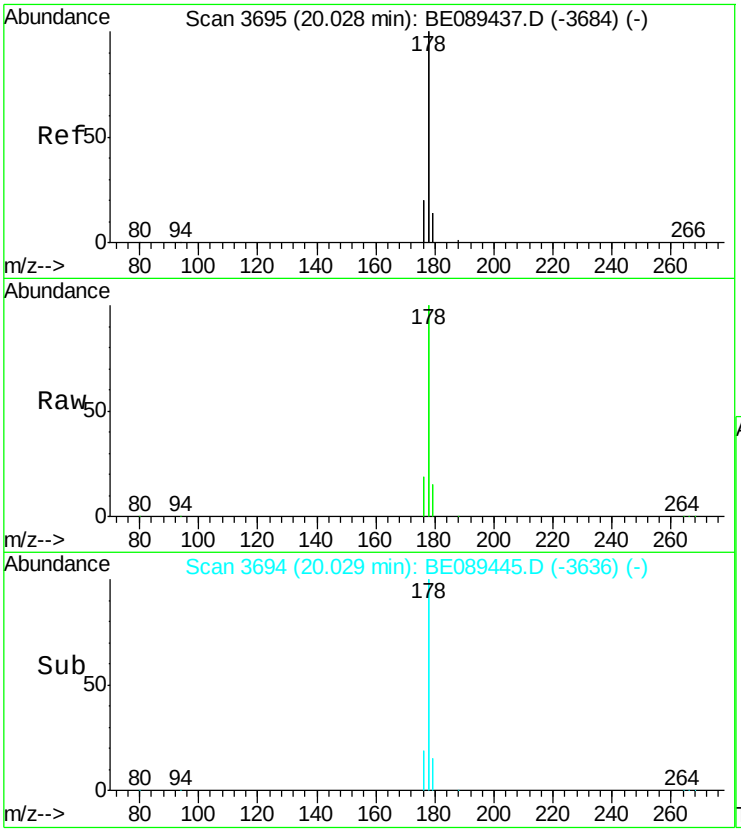


#12
Pentachlorophenol
Concen: 9.46 ng
RT: 19.66 min Scan# 3651
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:266 Resp: 25016

Ion	Ratio	Lower	Upper
266	100		
268	64.0	54.2	81.4
264	62.5	56.2	84.2



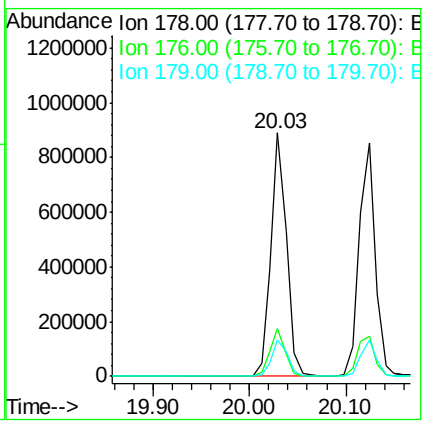


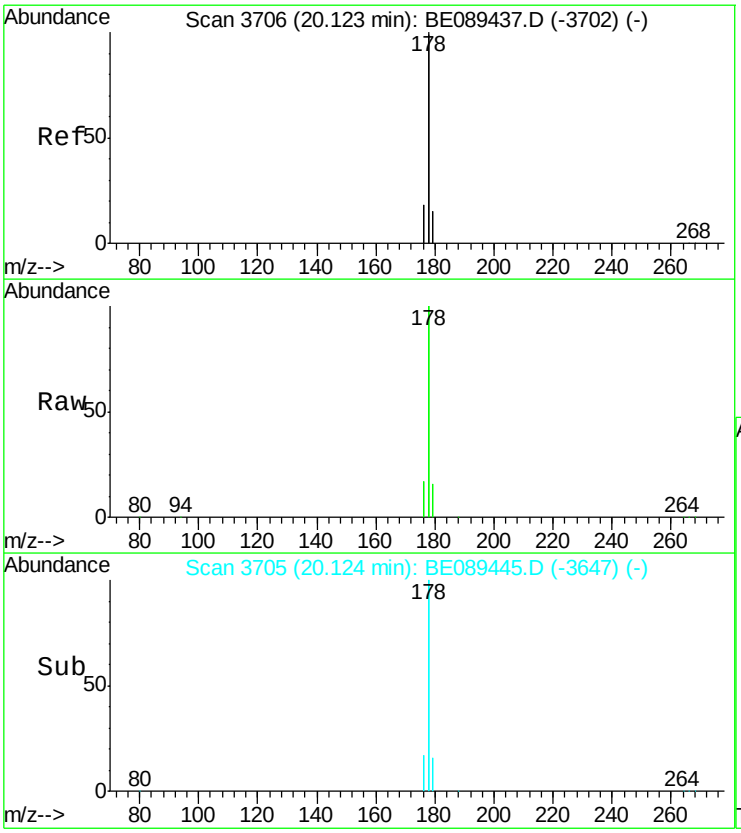
#13
Phenanthrene
Concen: 4.19 ng
RT: 20.03 min Scan# 3694
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:178 Resp: 1017150

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.2	12.3	18.5

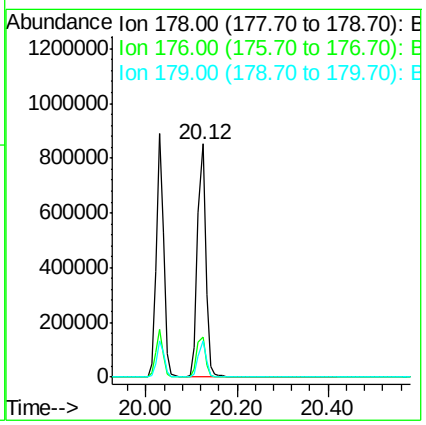


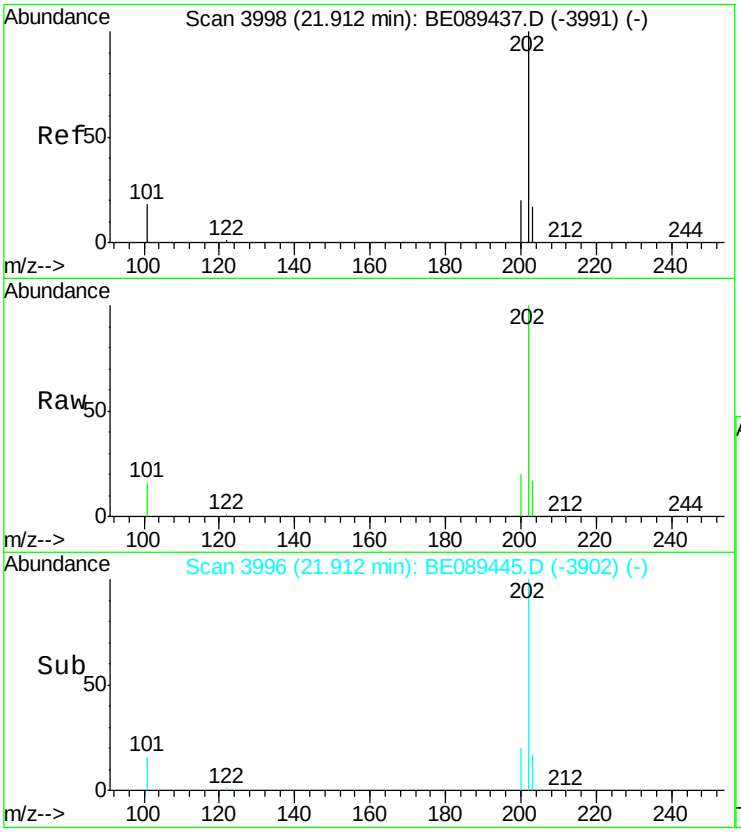


#14
Anthracene
Concen: 4.54 ng
RT: 20.12 min Scan# 3705
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:178 Resp: 1006892

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	14.8	12.2	18.2



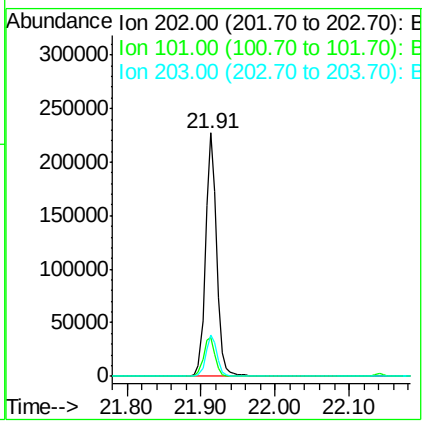


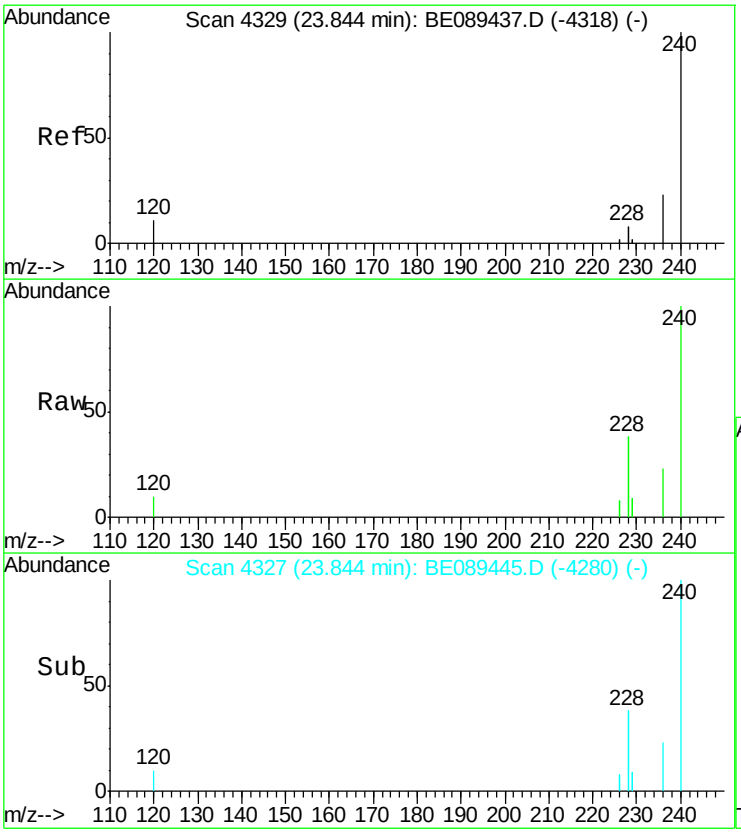
#15
Fluoranthene
Concen: 4.44 ng
RT: 21.91 min Scan# 3996
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:202 Resp: 235588

Ion	Ratio	Lower	Upper
202	100		
101	16.6	13.6	20.4
203	17.1	13.8	20.6

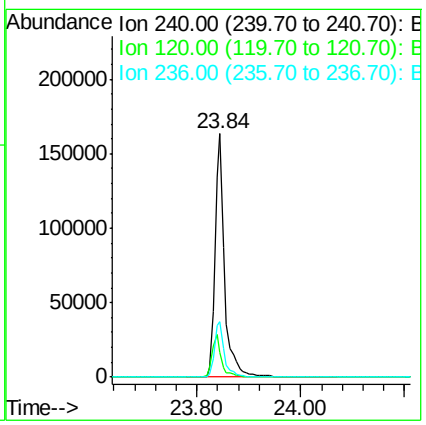


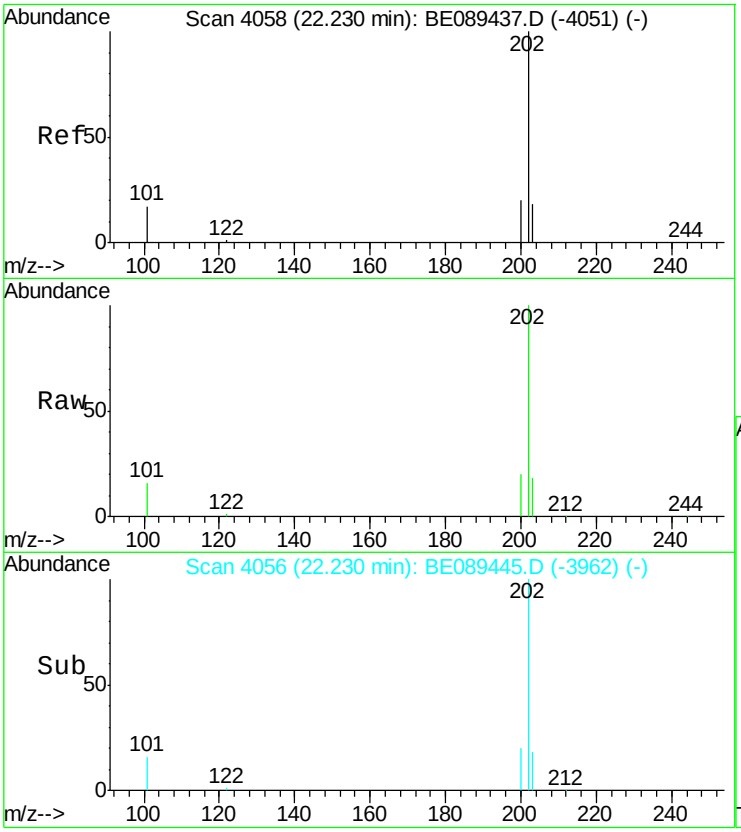


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 4327
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:240 Resp: 208080

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.6	13.0
236	23.0	18.7	28.1



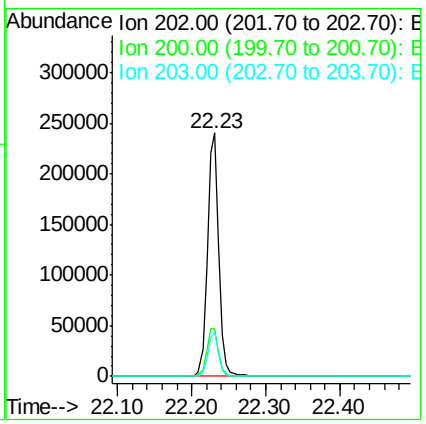


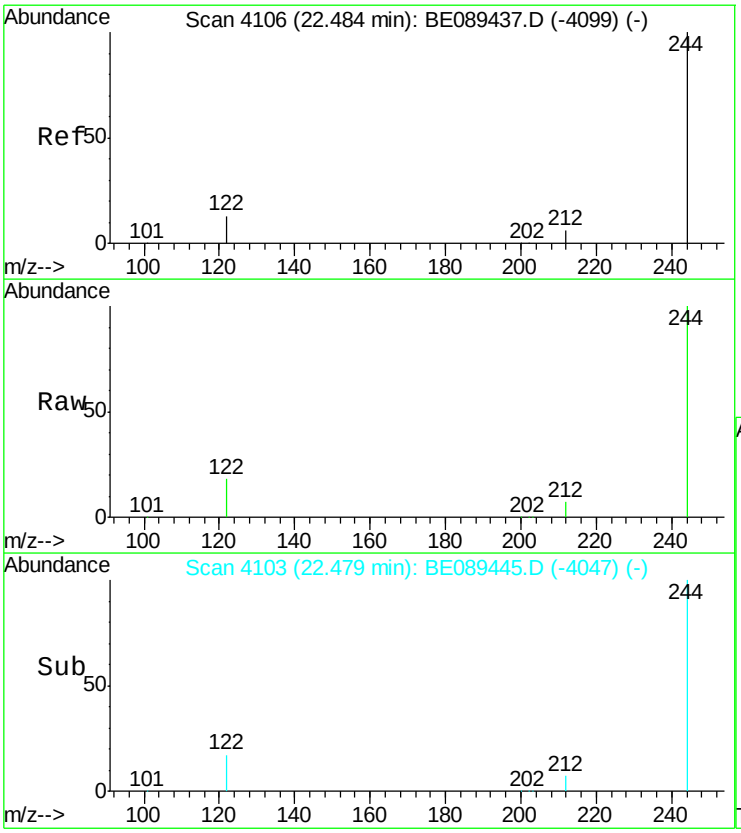
#17
Pyrene
Concen: 4.62 ng
RT: 22.23 min Scan# 4056
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:202 Resp: 254974

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.7	13.8	20.8

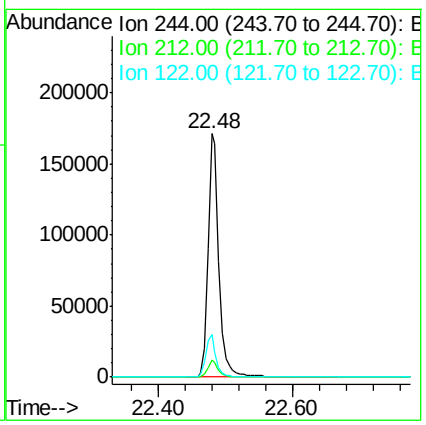


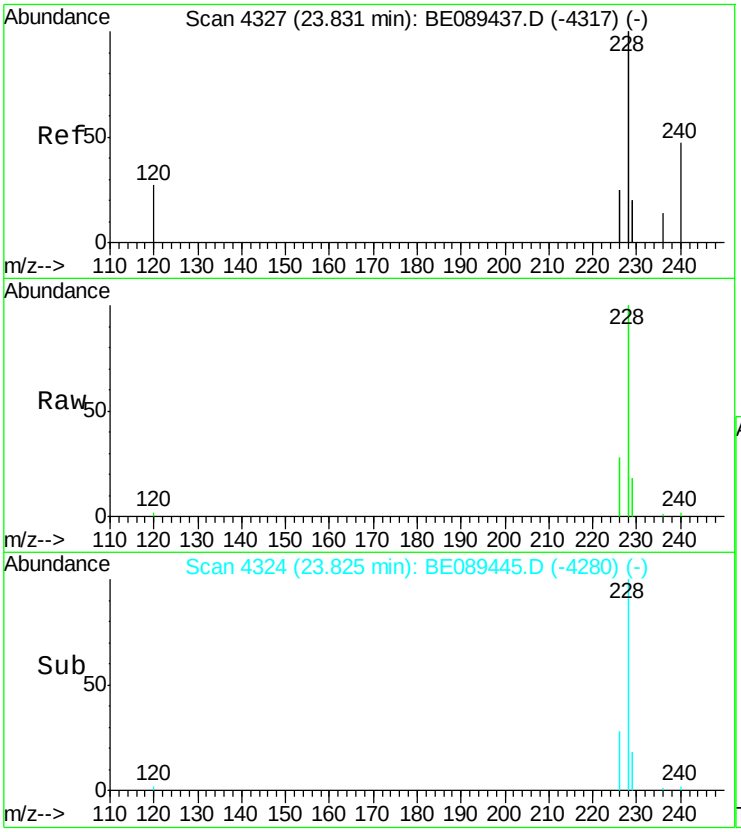


#18
Terphenyl-d14
Concen: 6.17 ng
RT: 22.48 min Scan# 4103
Delta R.T. -0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:244 Resp: 192177

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.0	7.6
122	17.5	10.2	15.4#



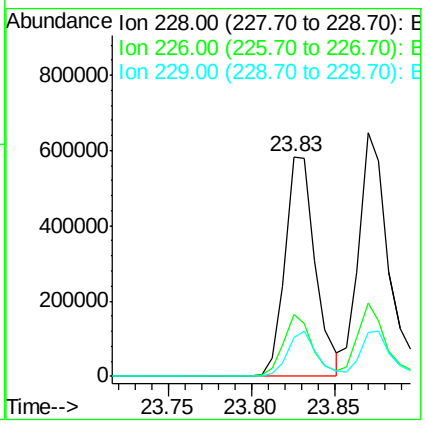


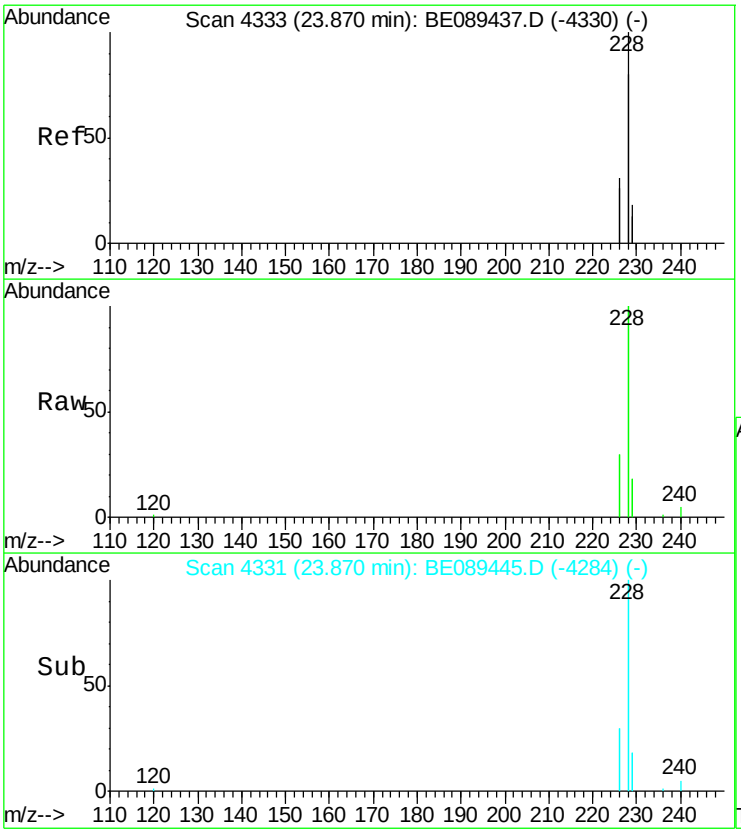
#19
Benzo(a)anthracene
Concen: 4.26 ng
RT: 23.83 min Scan# 4324
Delta R.T. -0.01 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:228 Resp: 745876

Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.0	30.0
229	17.6	16.0	24.0

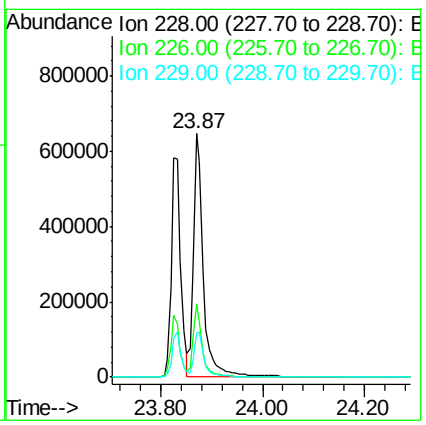


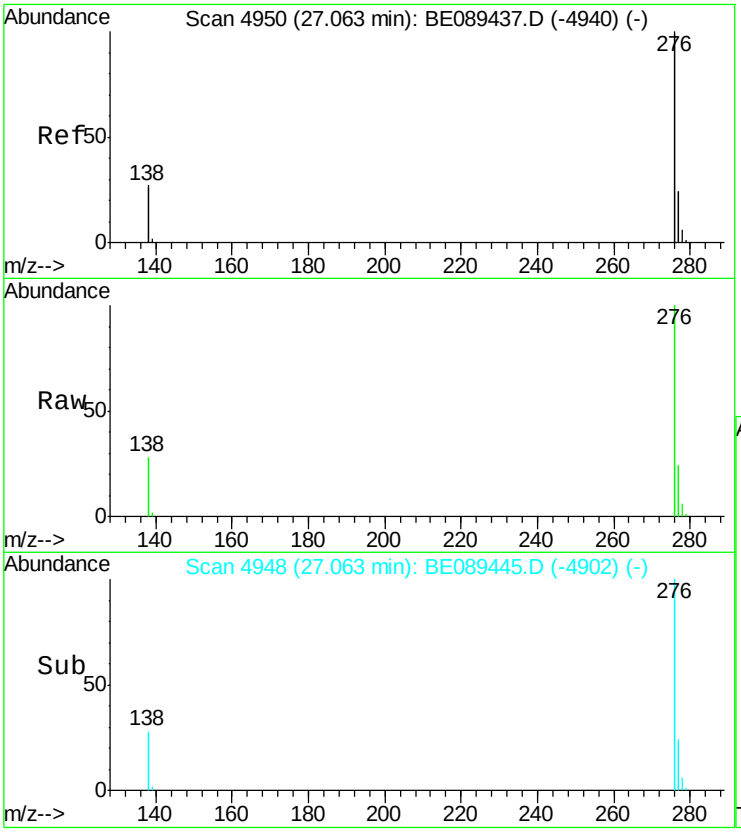


#20
Chrysene
Concen: 4.42 ng
RT: 23.87 min Scan# 4331
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:228 Resp: 873581

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	18.0	14.1	21.1



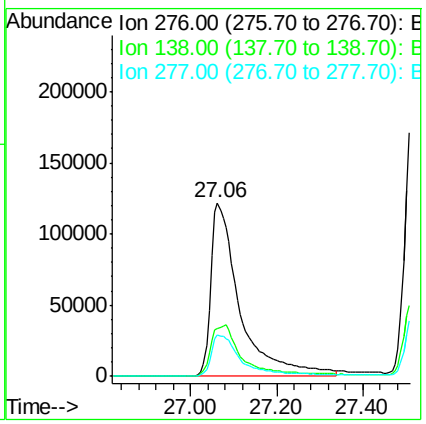


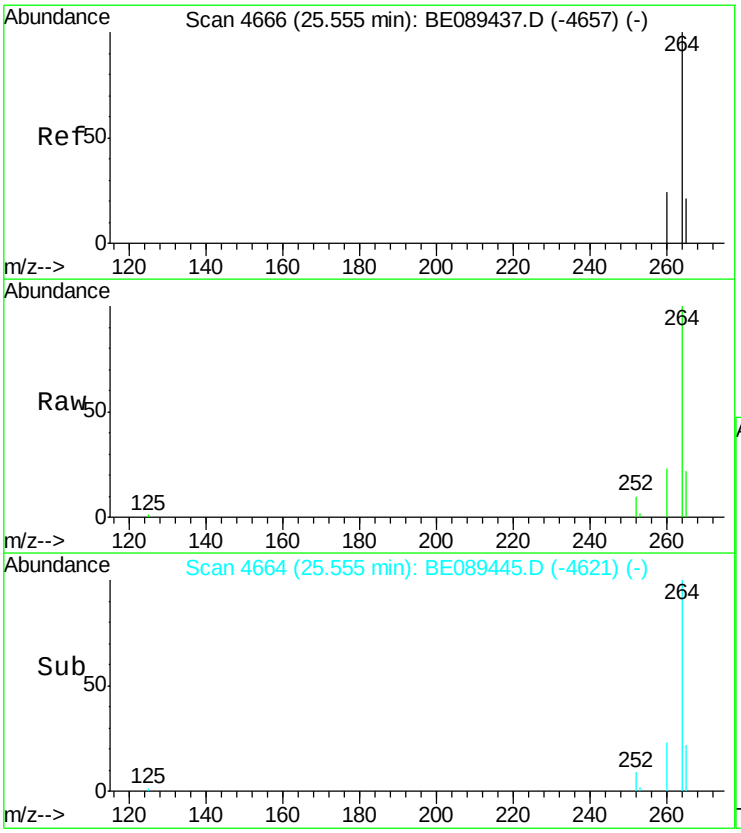
#21
Indeno(1,2,3-cd)pyrene
Concen: 3.30 ng
RT: 27.06 min Scan# 4948
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:276 Resp: 569200

Ion	Ratio	Lower	Upper
276	100		
138	31.8	25.4	38.0
277	24.7	19.8	29.6

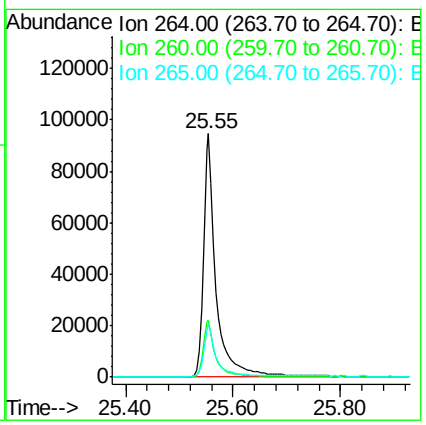


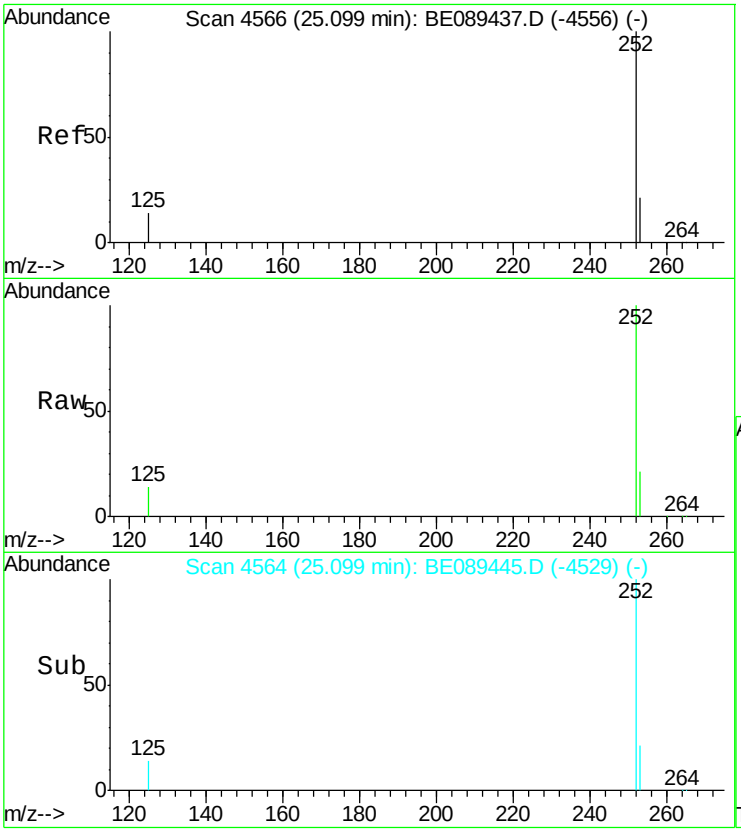


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:264 Resp: 157668

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.9	17.0	25.6



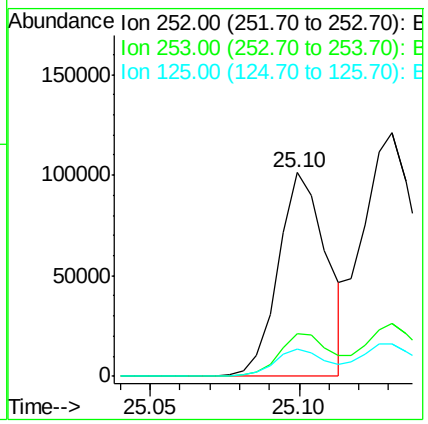


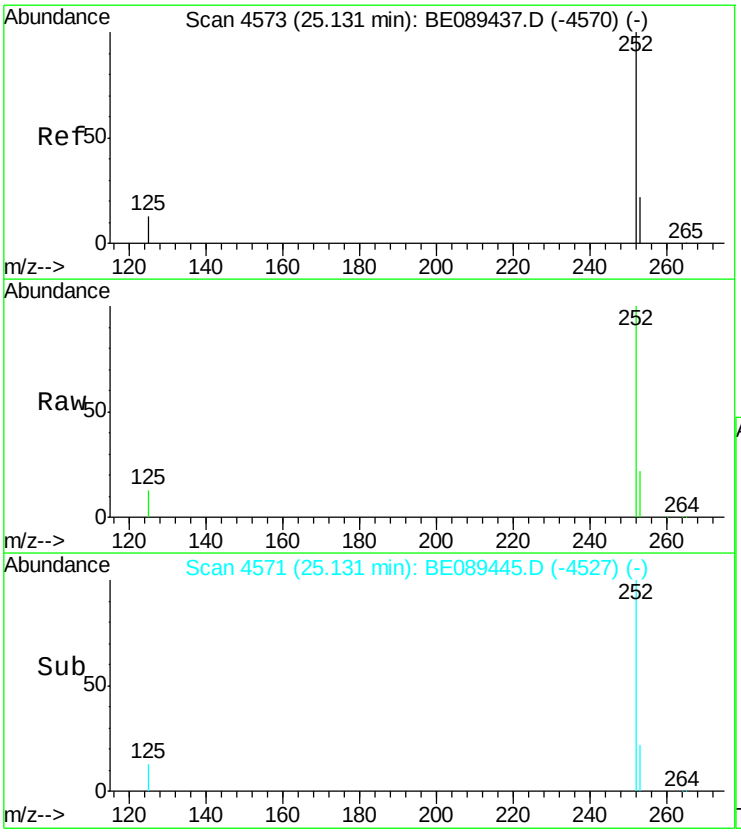
#23
Benzo(b)fluoranthene
Concen: 4.07 ng
RT: 25.10 min Scan# 4564
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:252 Resp: 113342

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.0	25.6
125	13.7	11.4	17.0

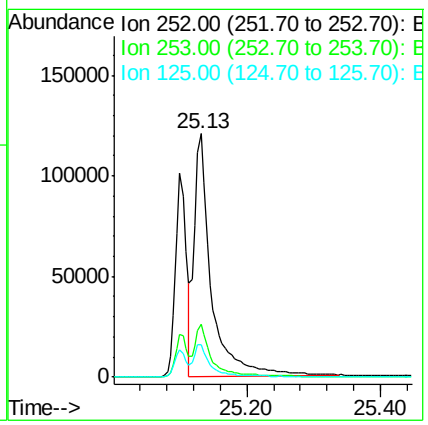


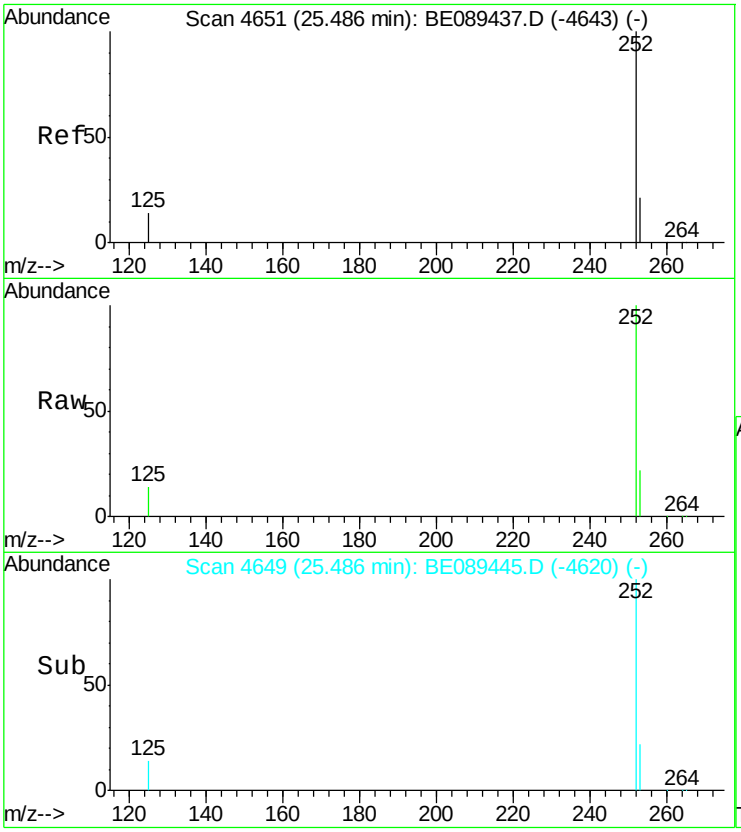


#24
Benzo(k)fluoranthene
Concen: 5.31 ng
RT: 25.13 min Scan# 4571
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:252 Resp: 213401

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	13.1	10.9	16.3



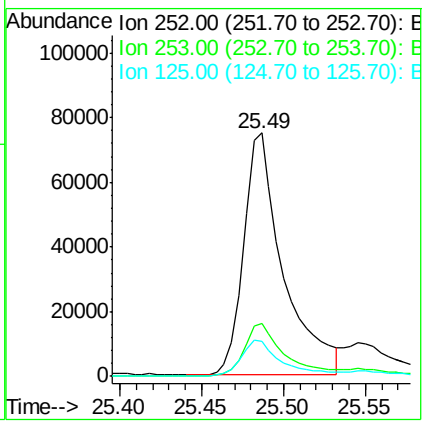


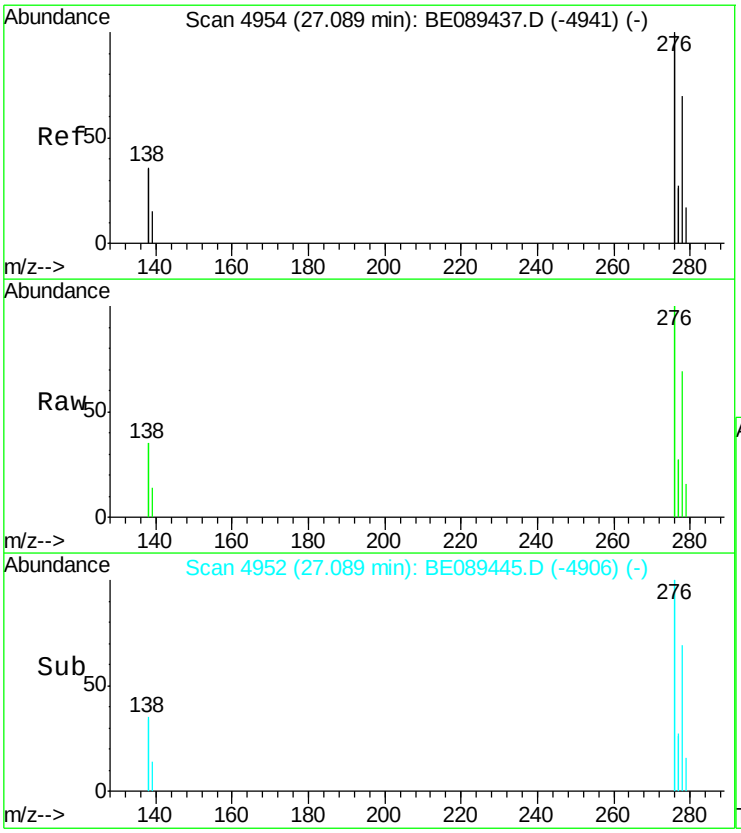
#25
Benzo(a)pyrene
Concen: 4.40 ng
RT: 25.49 min Scan# 4649
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:252 Resp: 124958

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	14.1	12.0	18.0

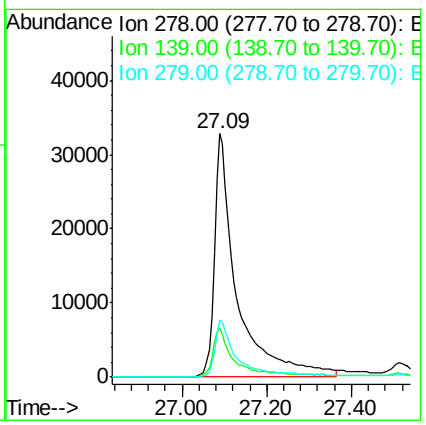


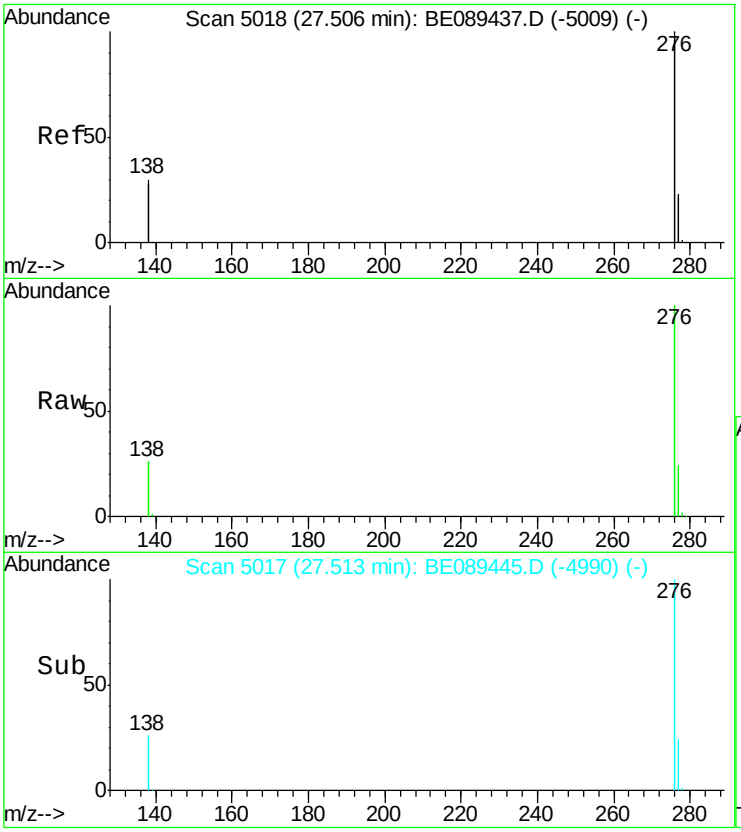


#26
Dibenzo(a,h)anthracene
Concen: 3.76 ng
RT: 27.09 min Scan# 4952
Delta R.T. 0.00 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Tgt Ion:278 Resp: 120420

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.0	25.4
279	23.6	19.1	28.7





#27
Benzo(g,h,i)perylene
Concen: 4.23 ng
RT: 27.51 min Scan# 5017
Delta R.T. 0.01 min
Lab File: BE089445.D
Acq: 30 Jan 2015 19:22

Instrument :
BNA_E
ClientSampleId :
PB81495BS

Tgt Ion:276 Resp: 533570

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.4	27.6
138	26.4	23.7	35.5