Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
Data File : BE088135.D
Acq On : 21 Oct 2014 10:47
Operator : TP/JJ
Sample : PB79718BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB79718BS

Quant Time: Oct 21 15:08:41 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	37593	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	139110	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	61384	5.00	ng		0.00
12) Phenanthrene-d10	12.97	188	112687	5.00	ng		0.00
16) Chrysene-d12	18.39	240	79814	5.00	ng		0.00
22) Perylene-d12	21.44	264	77287	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.83	82	64498	6.43	ng		0.00
8) 2-Fluorobiphenyl	10.03	172	108624	6.41	ng		0.00
18) Terphenyl-d14	16.15	244	86798	6.76	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.39	88	37273	6.89	ng		99
5) Naphthalene	8.72	128	183605	6.40	ng		100
6) 2-Methylnaphthalene	9.57	142	115486	6.73	ng		97
9) Acenaphthylene	10.67	152	622065	6.65	ng		100
10) Acenaphthene	10.88	154	89888	6.23	ng		99
11) Fluorene	11.55	166	101605	6.64	ng		99
13) Phenanthrene	13.01	178	578800	7.06	ng		94
14) Anthracene	13.09	178	586949	6.67	ng		99
15) Fluoranthene	15.25	202	138541	6.46	ng		99
17) Pyrene	15.70	202	148073	6.82	ng		99
19) Benzo(a)anthracene	18.36	228	488140	6.88	ng		100
20) Chrysene	18.44	228	484929	6.96	ng		99
21) Indeno(1,2,3-cd)pyrene	23.64	276	417749	5.40	ng	#	88
23) Benzo(b)fluoranthene	20.69	252	121629	6.61	ng		99
24) Benzo(k)fluoranthene	20.75	252	136675	6.94	ng		99
25) Benzo(a)pyrene	21.33	252	120452	7.11	ng		99
26) Dibenzo(a,h)anthracene	23.74	278	110775	6.66	ng		97
27) Benzo(g,h,i)perylene	24.28	276	479154	6.52	ng		97

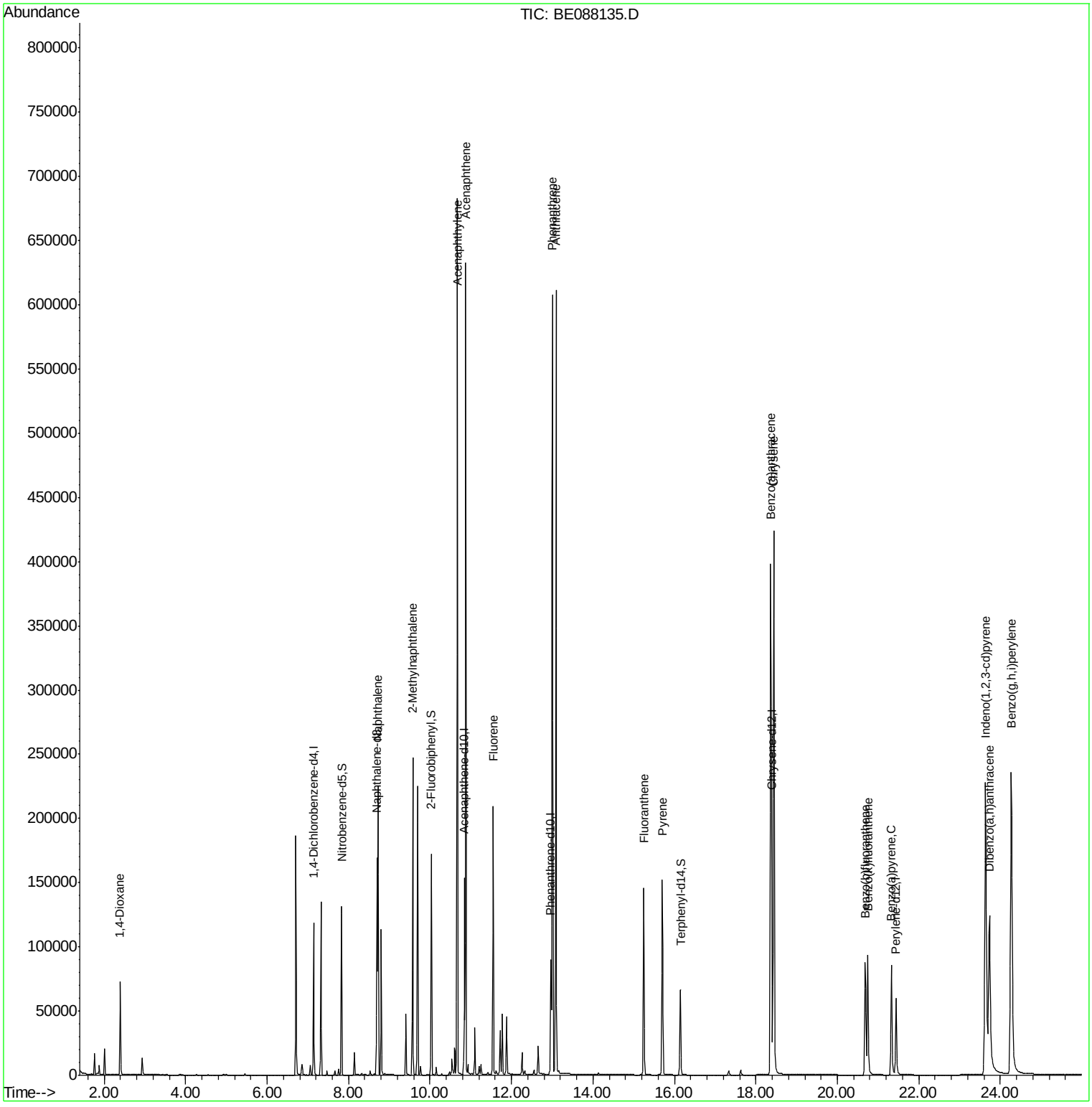
(#) = qualifier out of range (m) = manual integration (+) = signals summed

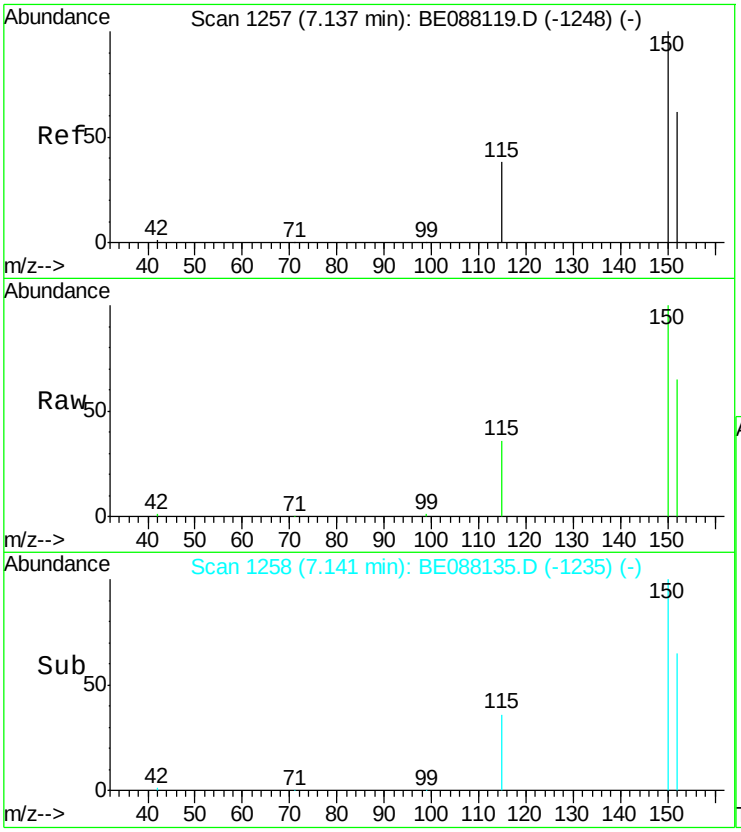
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
Data File : BE088135.D
Acq On : 21 Oct 2014 10:47
Operator : TP/JJ
Sample : PB79718BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Quant Time: Oct 21 15:08:41 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration



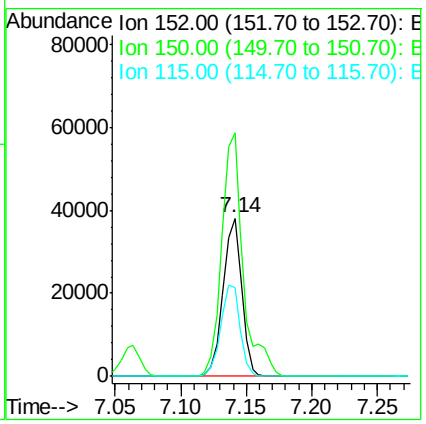


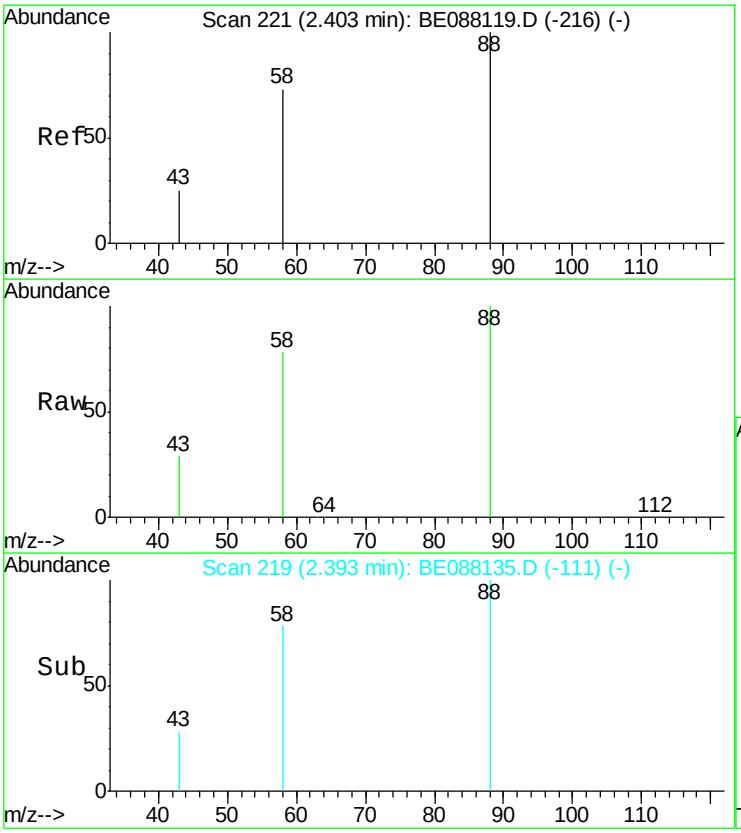
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:152 Resp: 37593

Ion	Ratio	Lower	Upper
152	100		
150	153.9	129.2	193.8
115	56.2	49.3	73.9

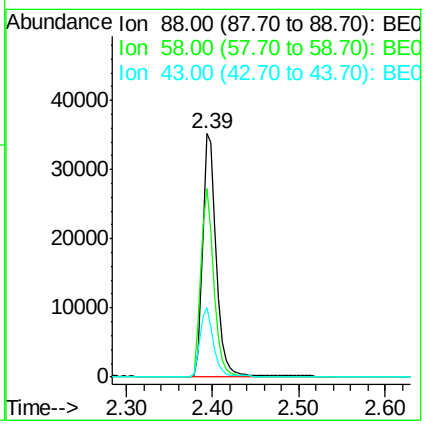


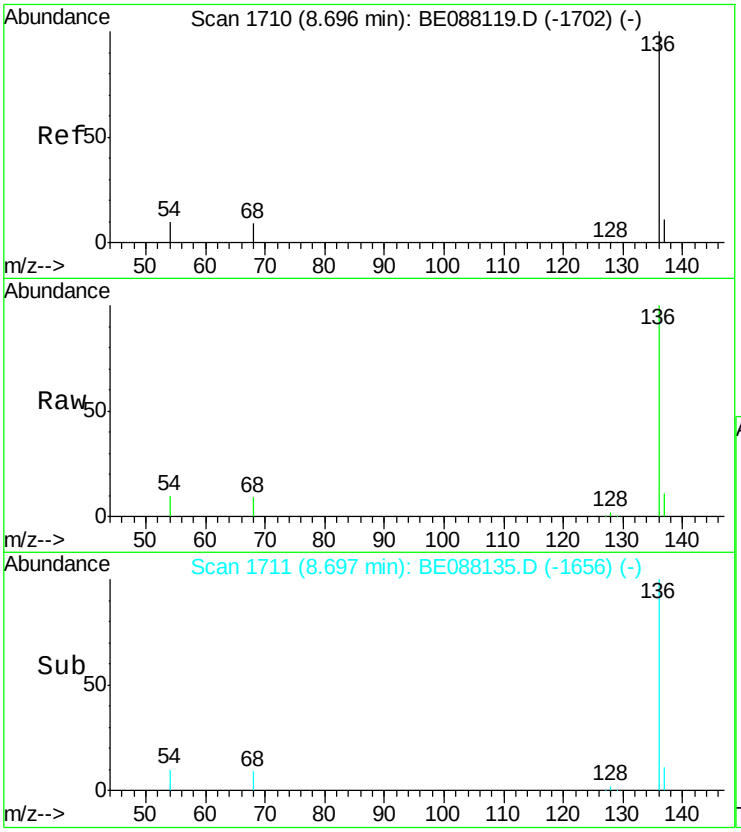


#2
1,4-Dioxane
Concen: 6.89 ng
RT: 2.39 min Scan# 219
Delta R.T. -0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion: 88 Resp: 37273

Ion	Ratio	Lower	Upper
88	100		
58	74.6	59.5	89.3
43	27.4	21.2	31.8



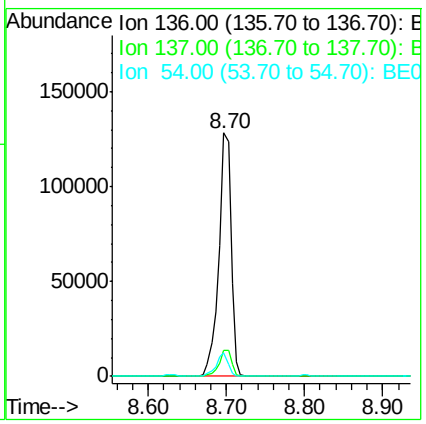


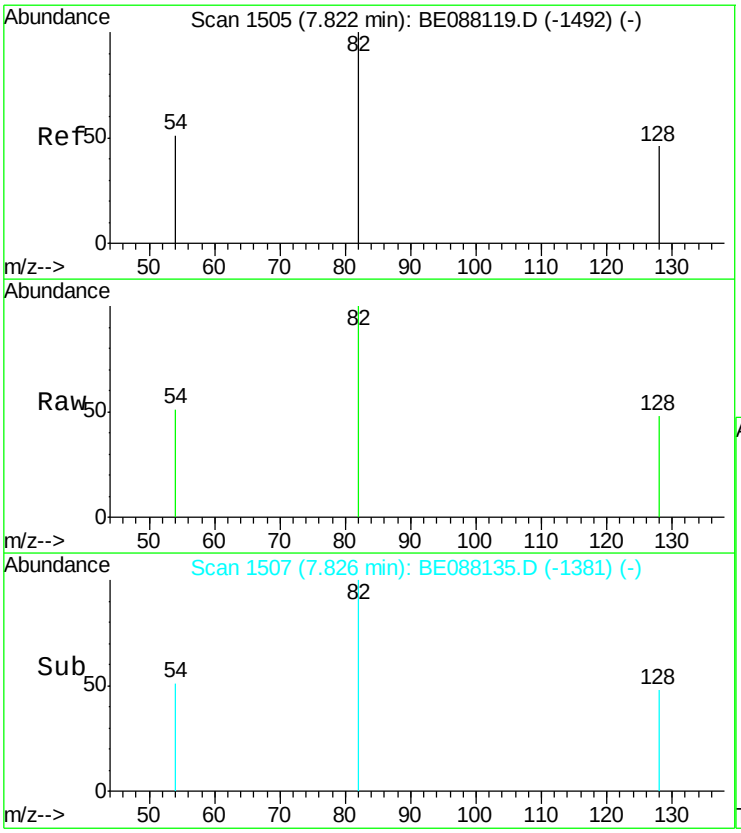
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:136 Resp: 139110

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.8	7.7	11.5

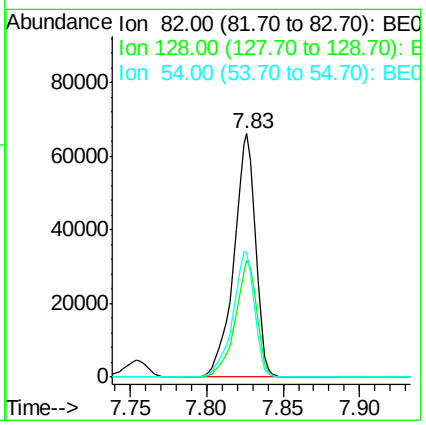


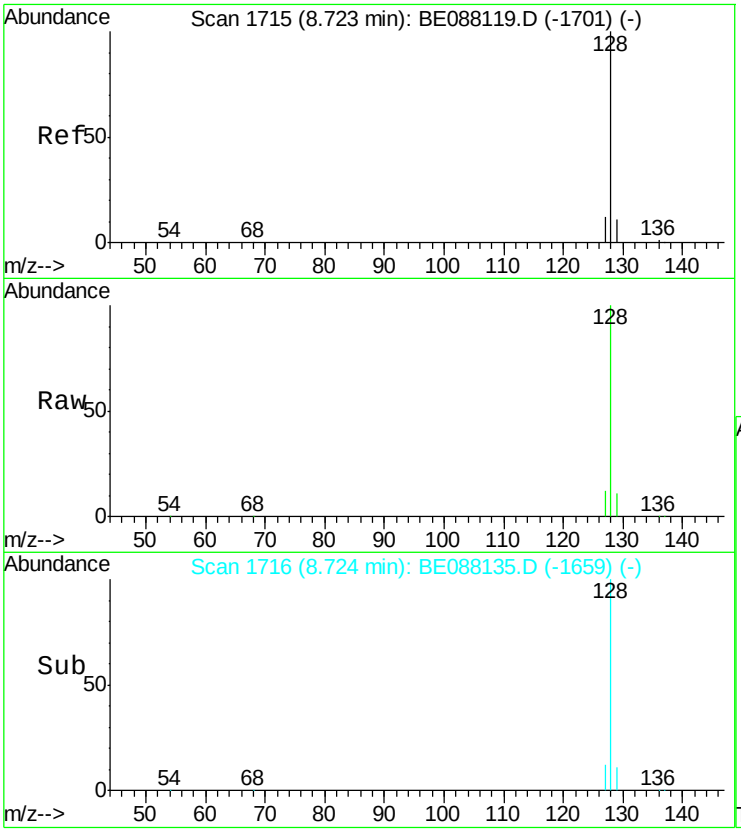


#4
Nitrobenzene-d5
Concen: 6.43 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion: 82 Resp: 64498

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.1	55.7
54	51.2	41.1	61.7



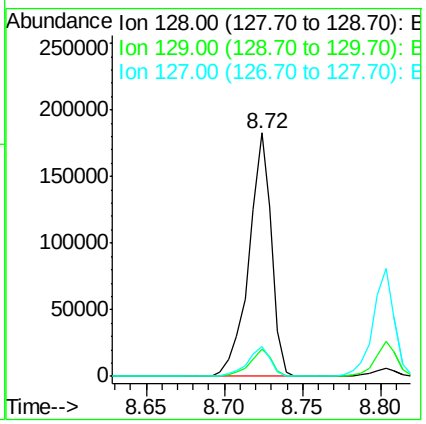


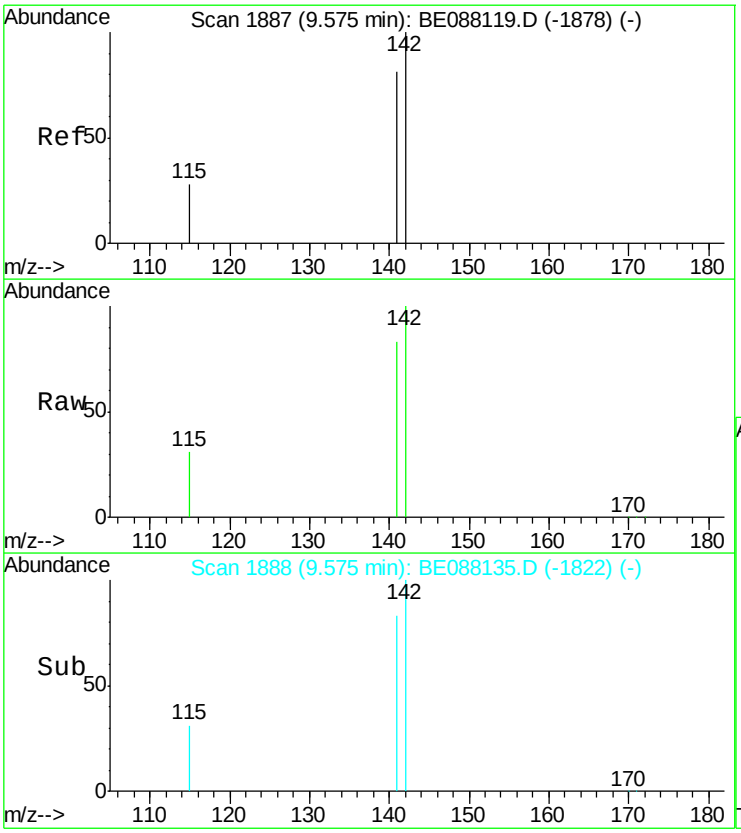
#5
Naphthalene
Concen: 6.40 ng
RT: 8.72 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:128 Resp: 183605

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.2	9.7	14.5

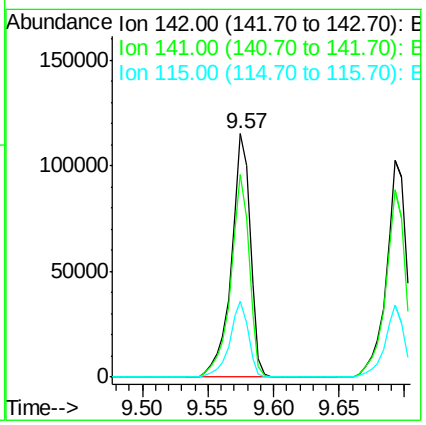


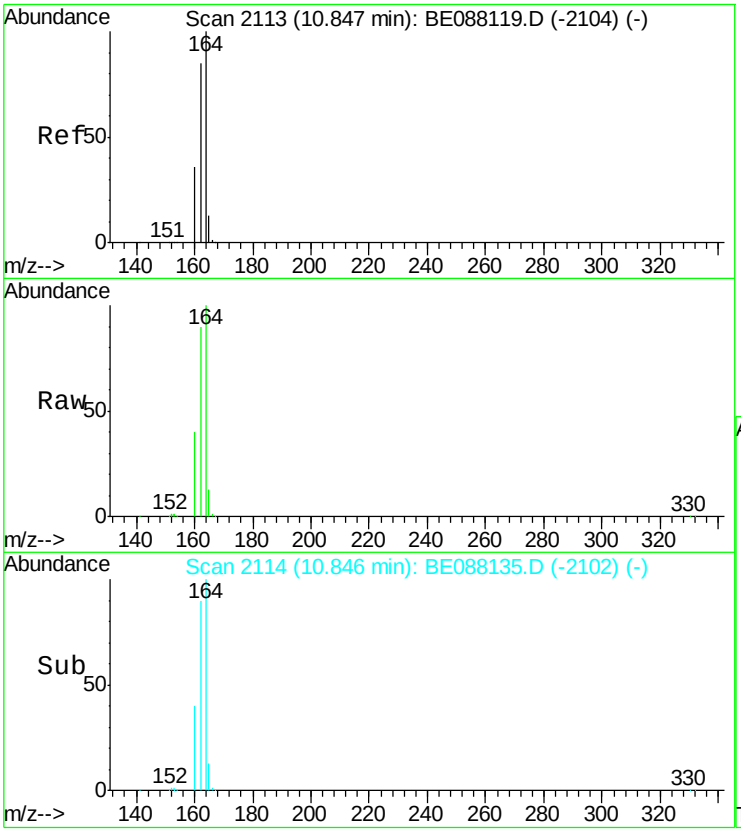


#6
2-Methylnaphthalene
Concen: 6.73 ng
RT: 9.57 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:142 Resp: 115486

Ion	Ratio	Lower	Upper
142	100		
141	83.1	64.6	97.0
115	31.4	22.6	34.0



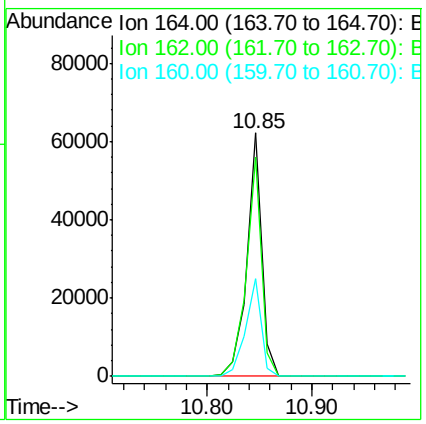


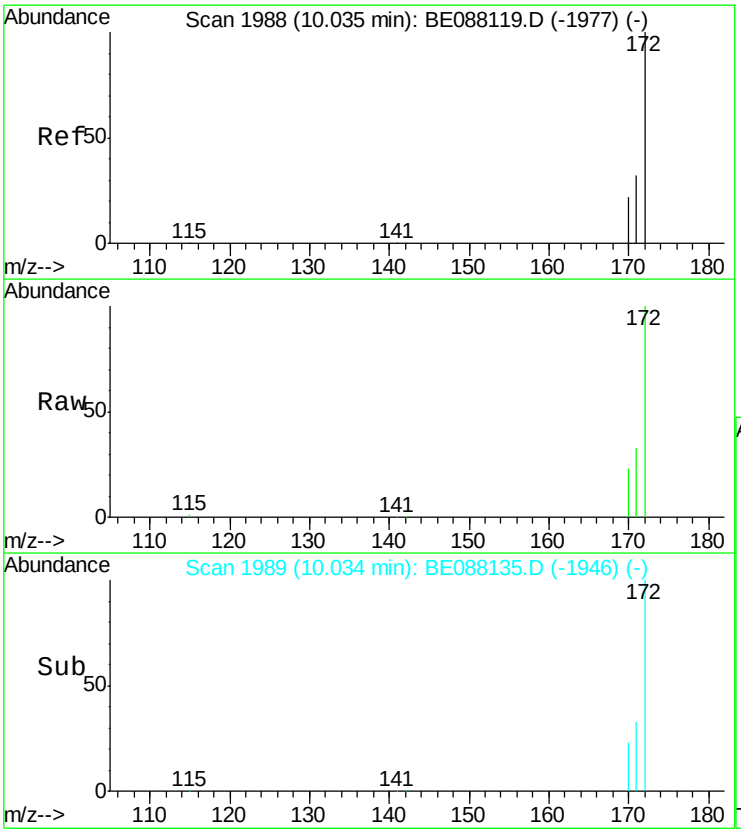
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:164 Resp: 61384

Ion	Ratio	Lower	Upper
164	100		
162	90.3	68.3	102.5
160	40.1	28.7	43.1

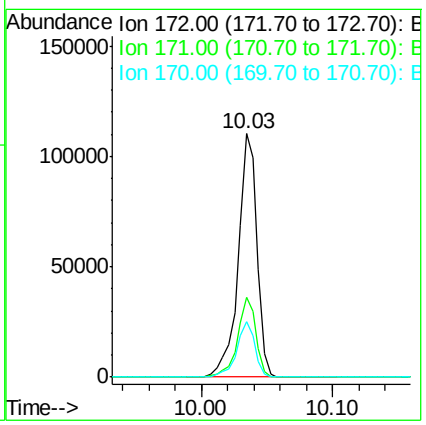


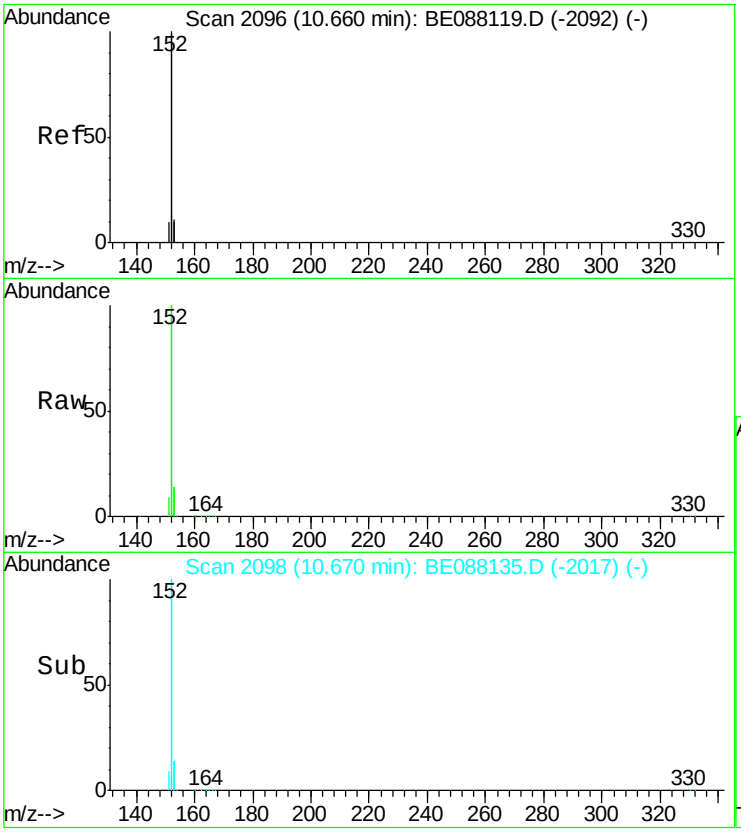


#8
2-Fluorobiphenyl
Concen: 6.41 ng
RT: 10.03 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:172 Resp: 108624

Ion	Ratio	Lower	Upper
172	100		
171	33.0	25.4	38.2
170	23.0	17.4	26.2



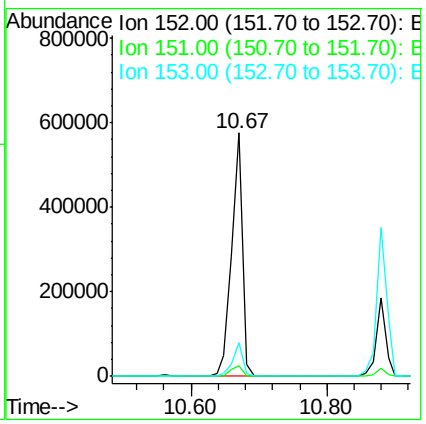


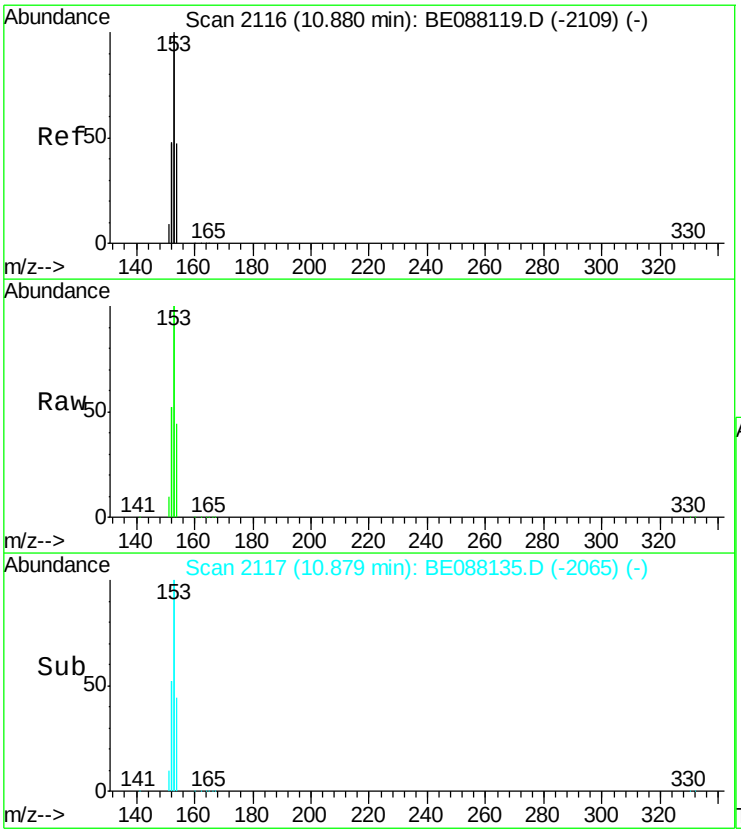
#9
Acenaphthylene
Concen: 6.65 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:152 Resp: 622065

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.7	5.5
153	13.0	10.4	15.6

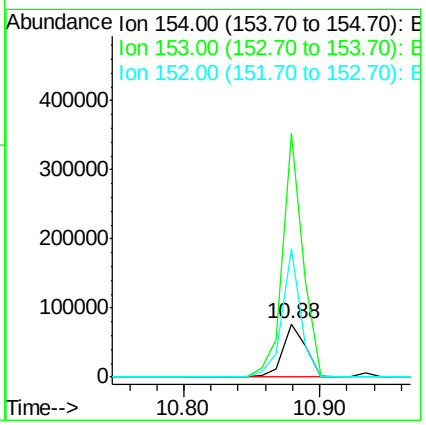


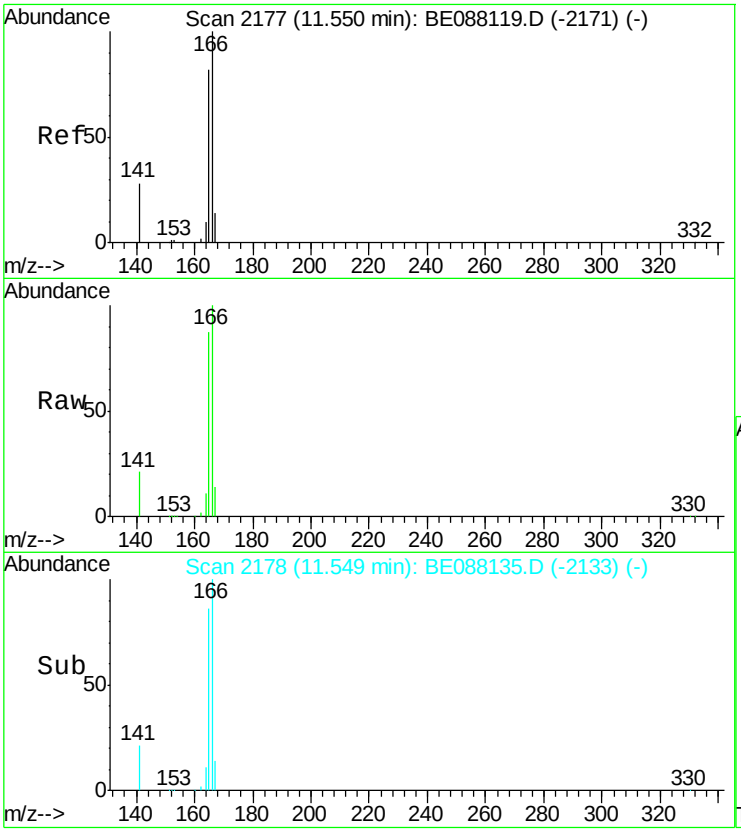


#10
Acenaphthene
Concen: 6.23 ng
RT: 10.88 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:154 Resp: 89888

Ion	Ratio	Lower	Upper
154	100		
153	410.9	327.8	491.6
152	199.1	157.6	236.4



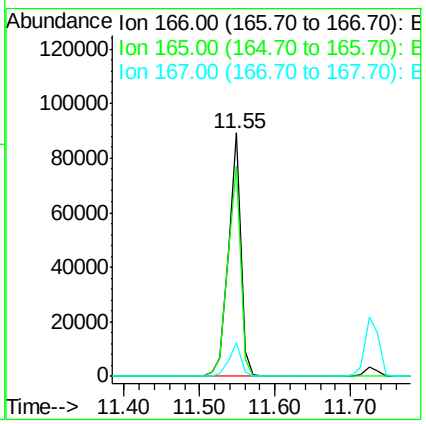


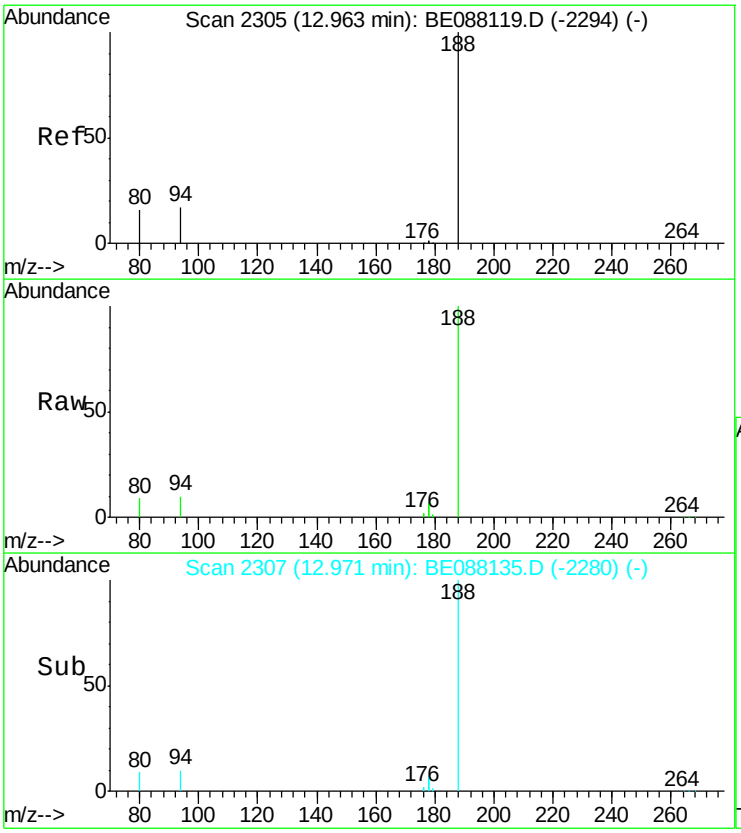
#11
Fluorene
Concen: 6.64 ng
RT: 11.55 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:166 Resp: 101605

Ion	Ratio	Lower	Upper
166	100		
165	90.4	71.4	107.2
167	13.4	10.6	16.0

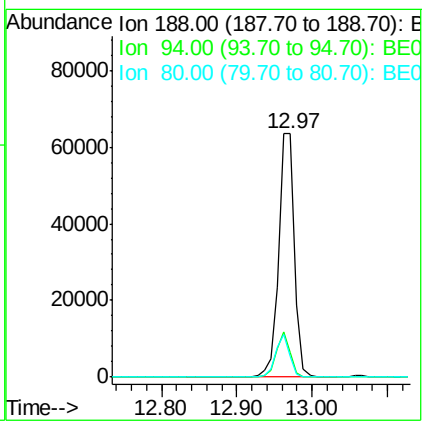


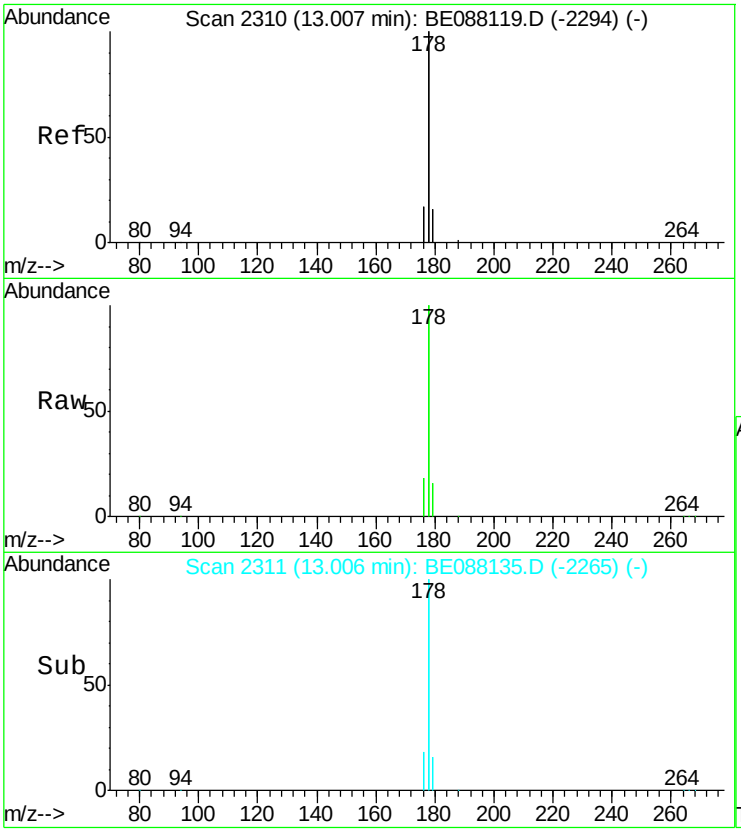


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:188 Resp: 112687

Ion	Ratio	Lower	Upper
188	100		
94	10.1	13.9	20.9#
80	8.6	12.9	19.3#



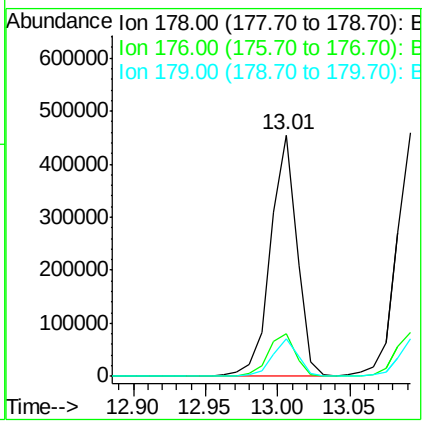


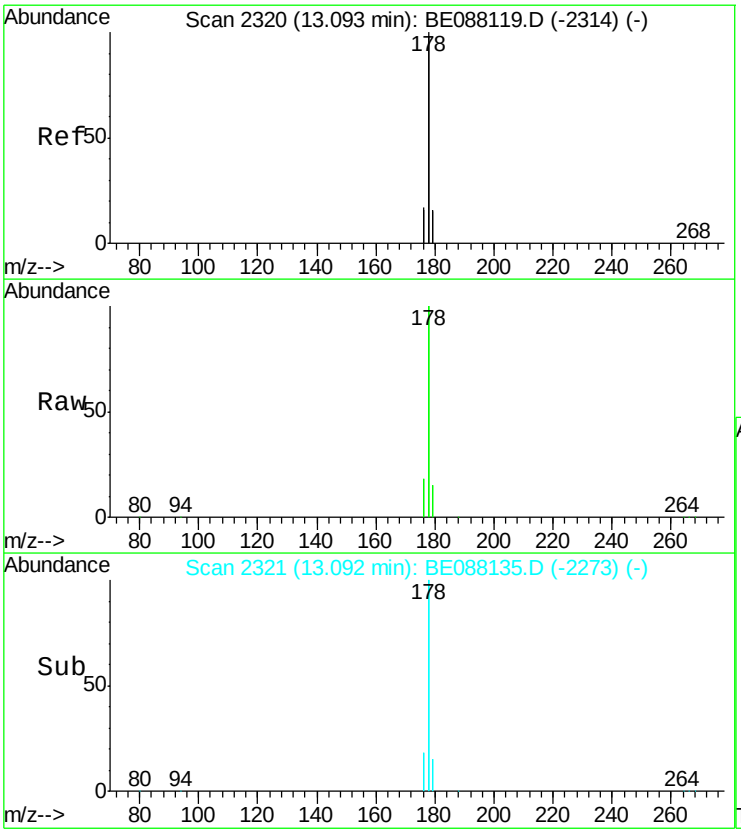
#13
Phenanthrene
Concen: 7.06 ng
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:178 Resp: 578800

Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.5	18.7
179	18.7	13.5	20.3

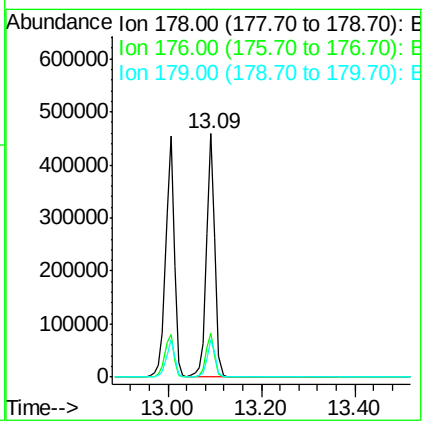


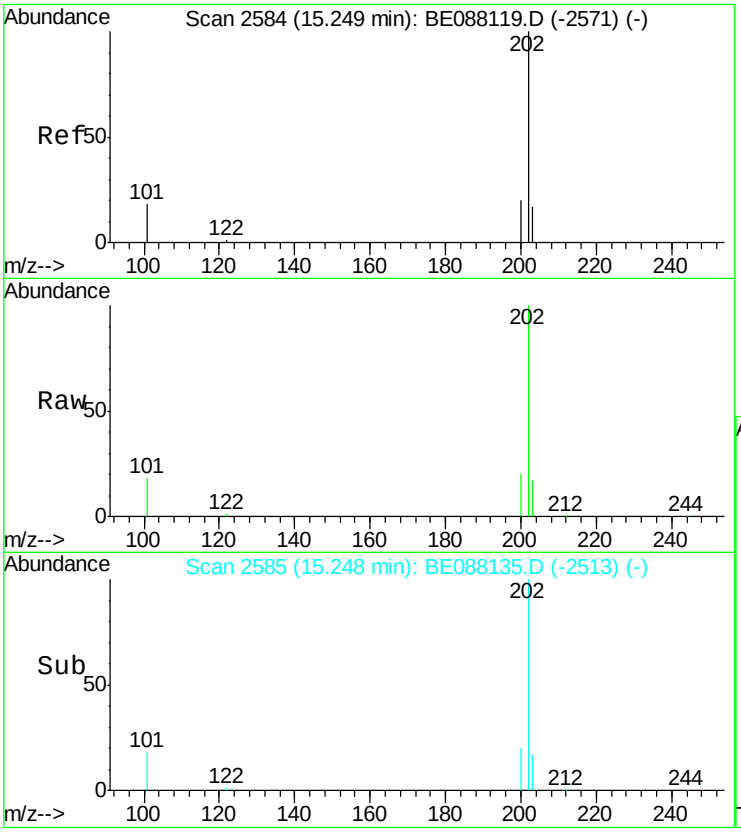


#14
Anthracene
Concen: 6.67 ng
RT: 13.09 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:178 Resp: 586949

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.5	18.7



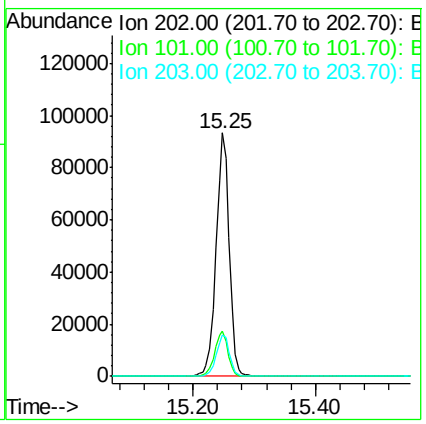


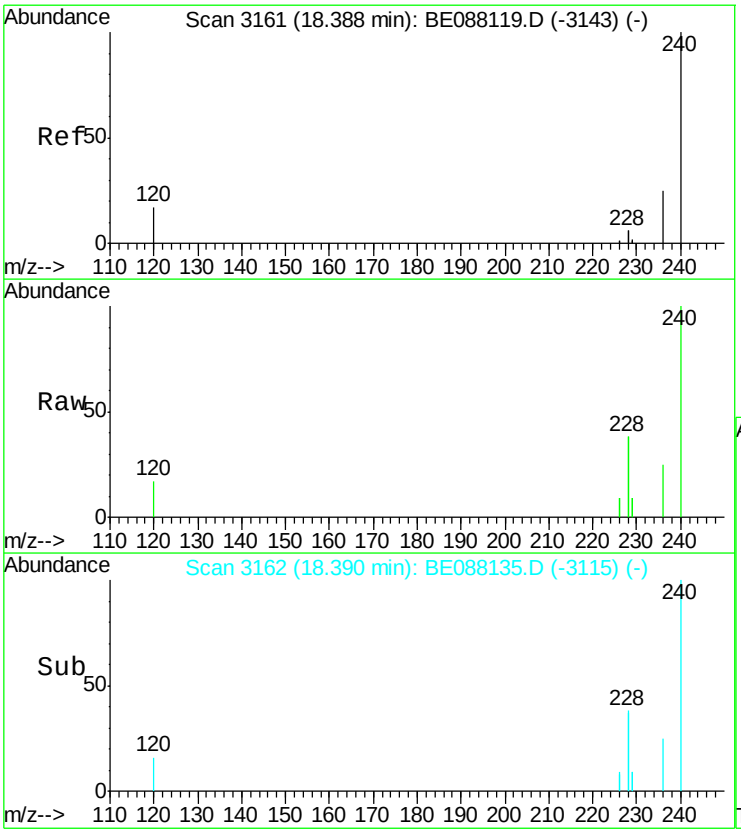
#15
Fluoranthene
Concen: 6.46 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:202 Resp: 138541

Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.3	13.5	20.3

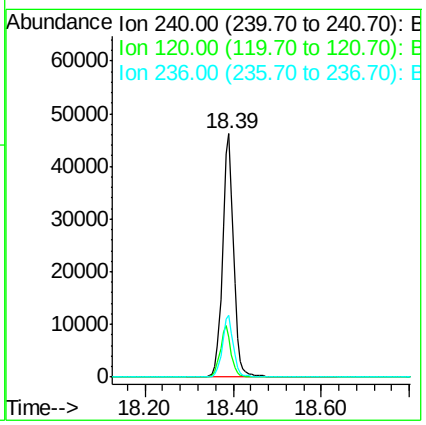


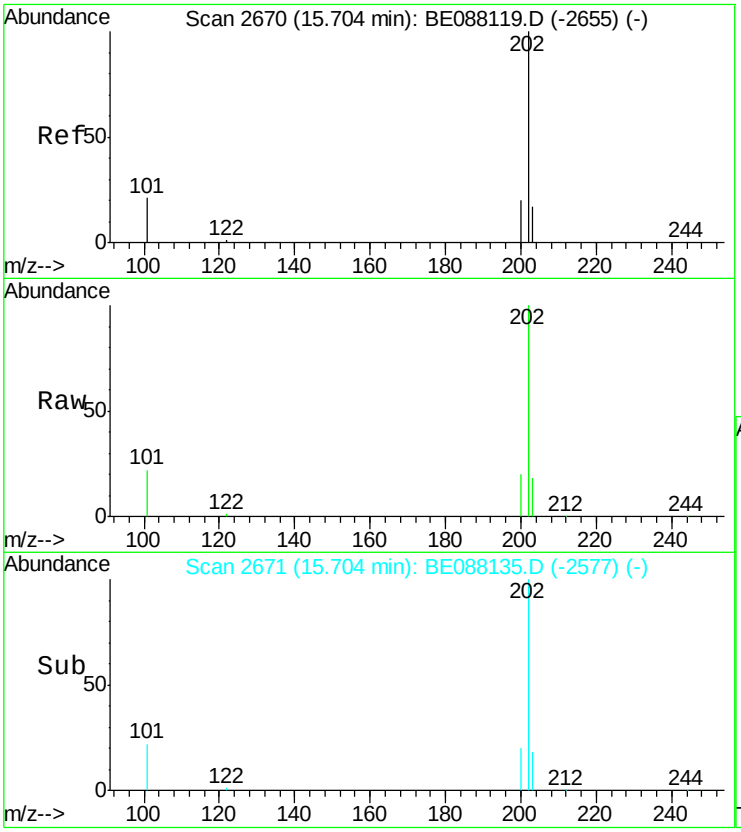


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:240 Resp: 79814

Ion	Ratio	Lower	Upper
240	100		
120	16.5	13.9	20.9
236	25.4	19.9	29.9



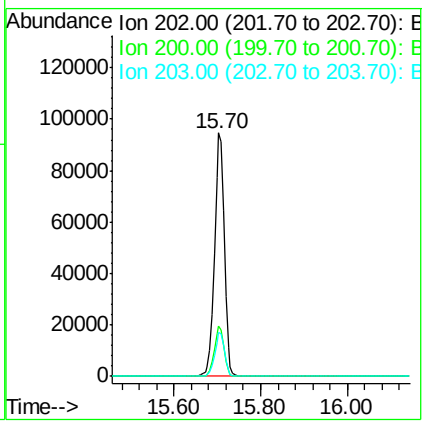


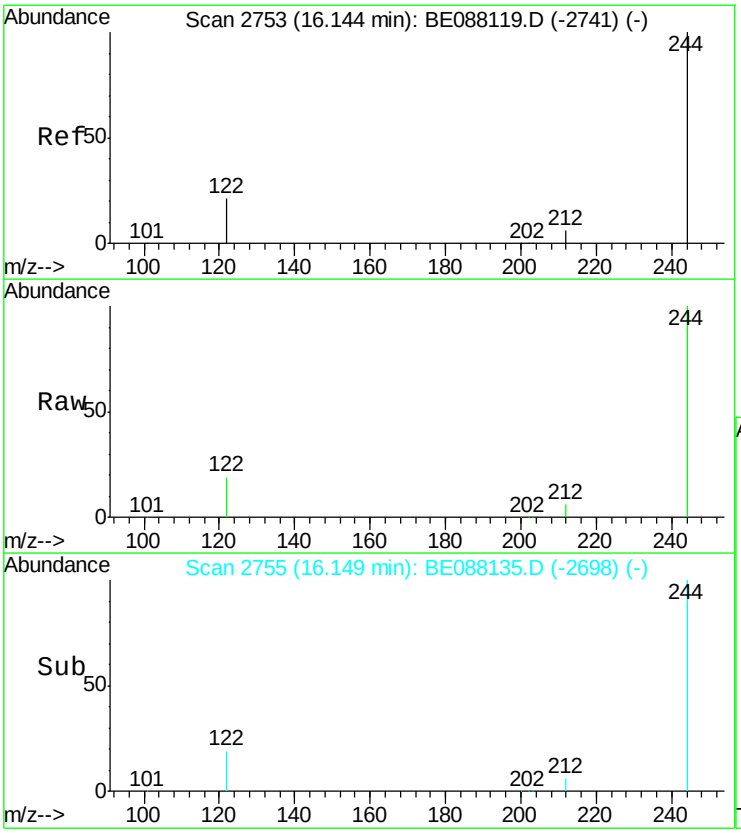
#17
Pyrene
Concen: 6.82 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:202 Resp: 148073

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.9	13.9	20.9

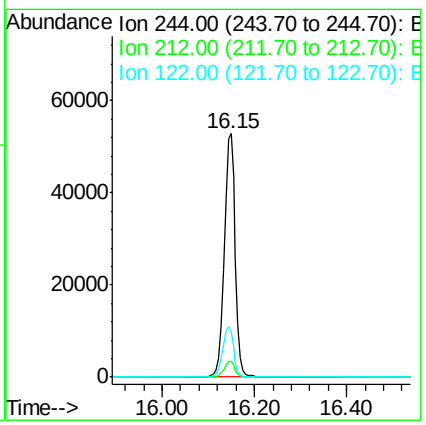


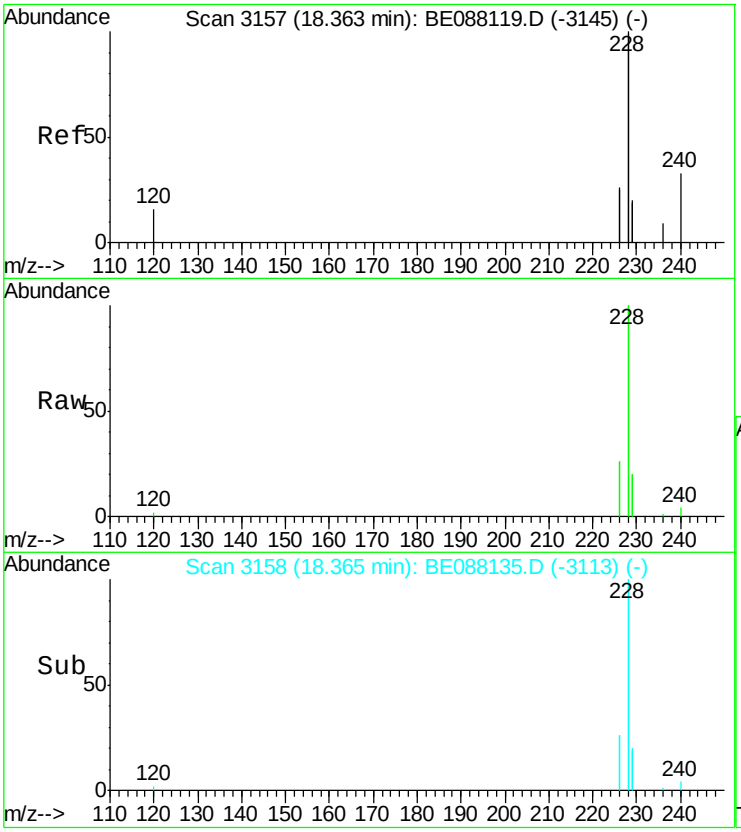


#18
Terphenyl-d14
Concen: 6.76 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:244 Resp: 86798

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	18.7	17.5	26.3



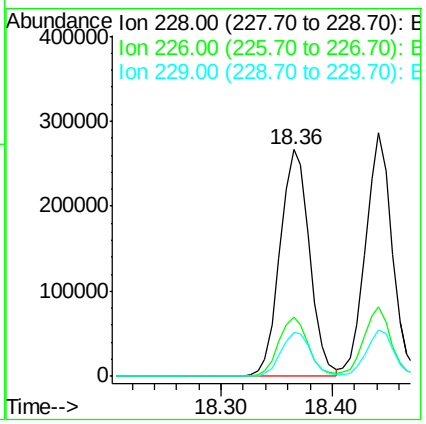


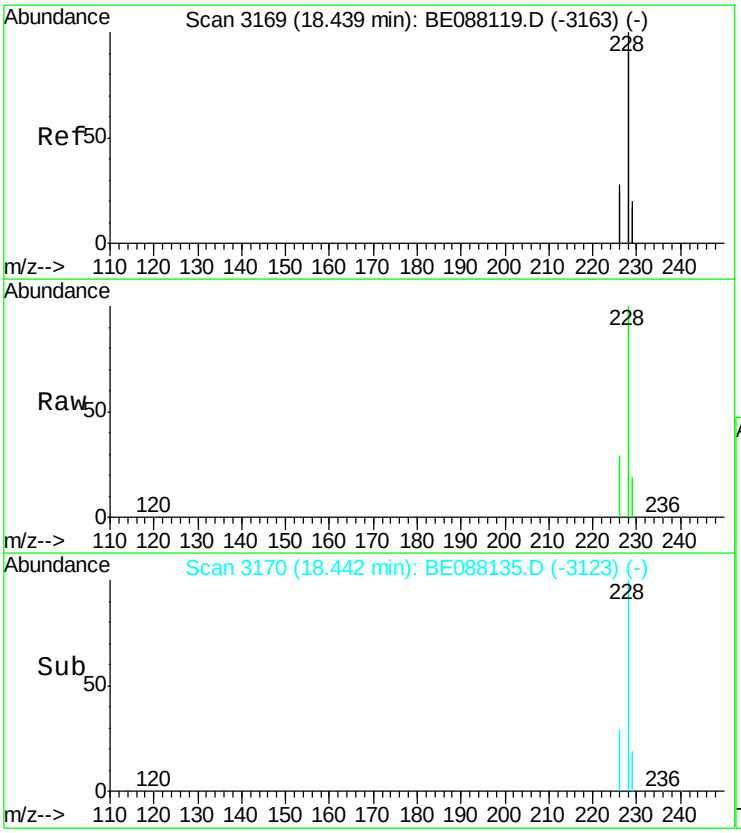
#19
Benzo(a)anthracene
Concen: 6.88 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:228 Resp: 488140

Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.8	31.2
229	19.5	15.6	23.4

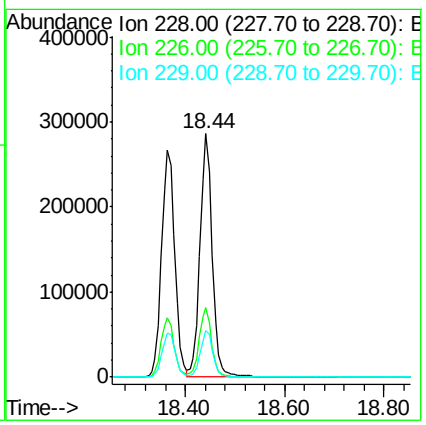


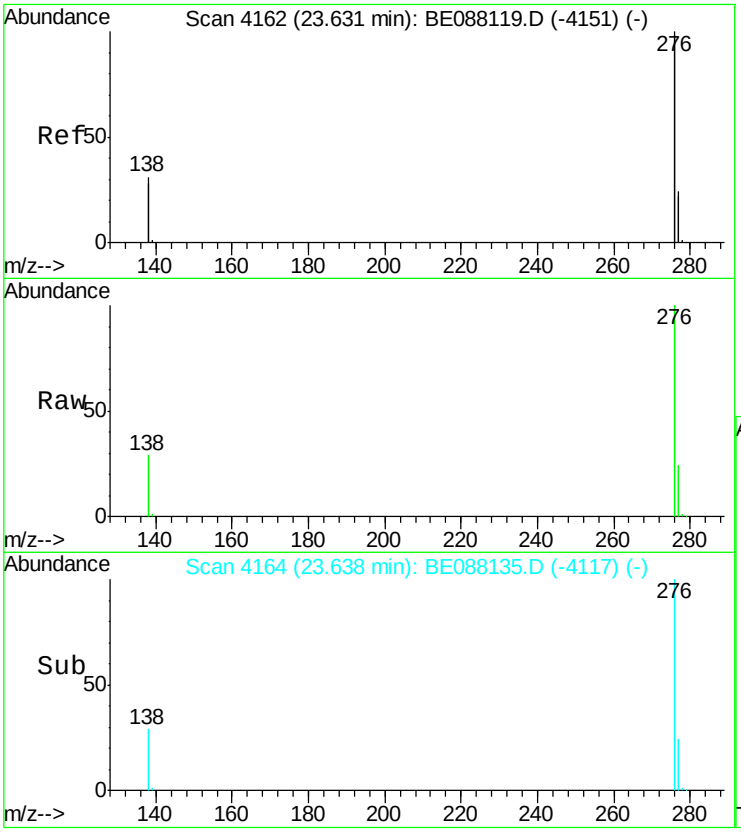


#20
Chrysene
Concen: 6.96 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:228 Resp: 484929

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	19.2	15.8	23.6



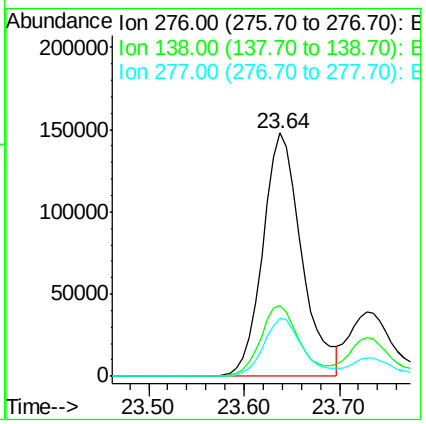


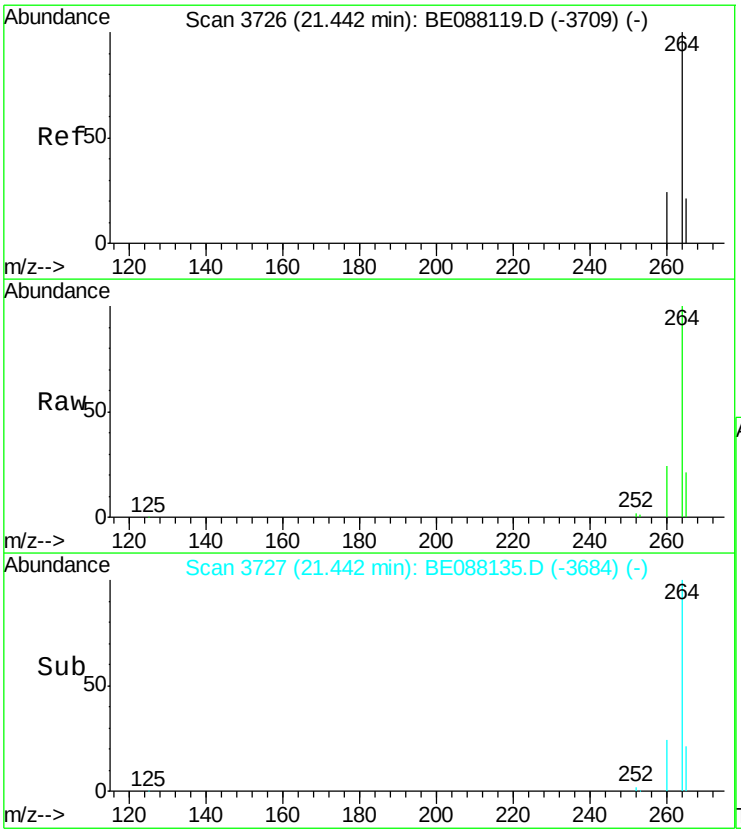
#21
Indeno(1,2,3-cd)pyrene
Concen: 5.40 ng
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:276 Resp: 417749

Ion	Ratio	Lower	Upper
276	100		
138	29.1	18.5	27.7#
277	23.8	14.6	21.8#

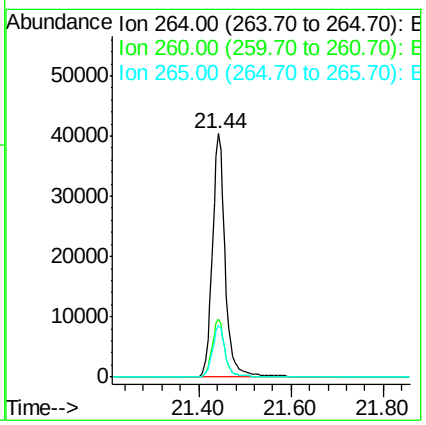


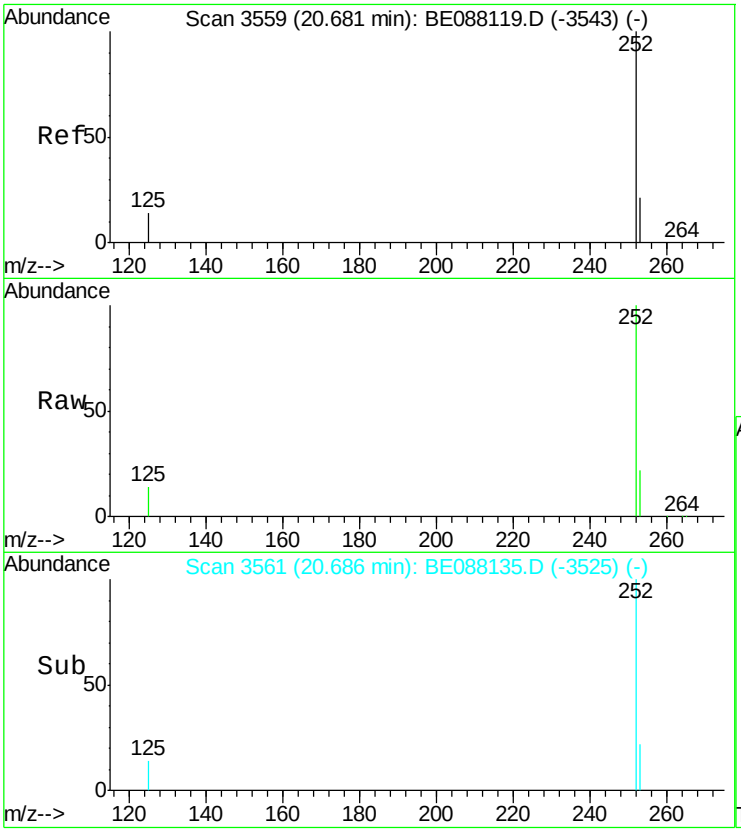


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:264 Resp: 77287

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.4	17.2	25.8



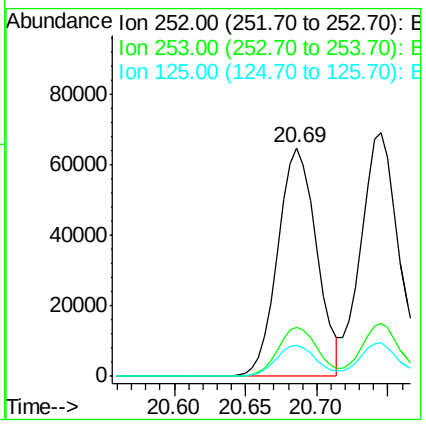


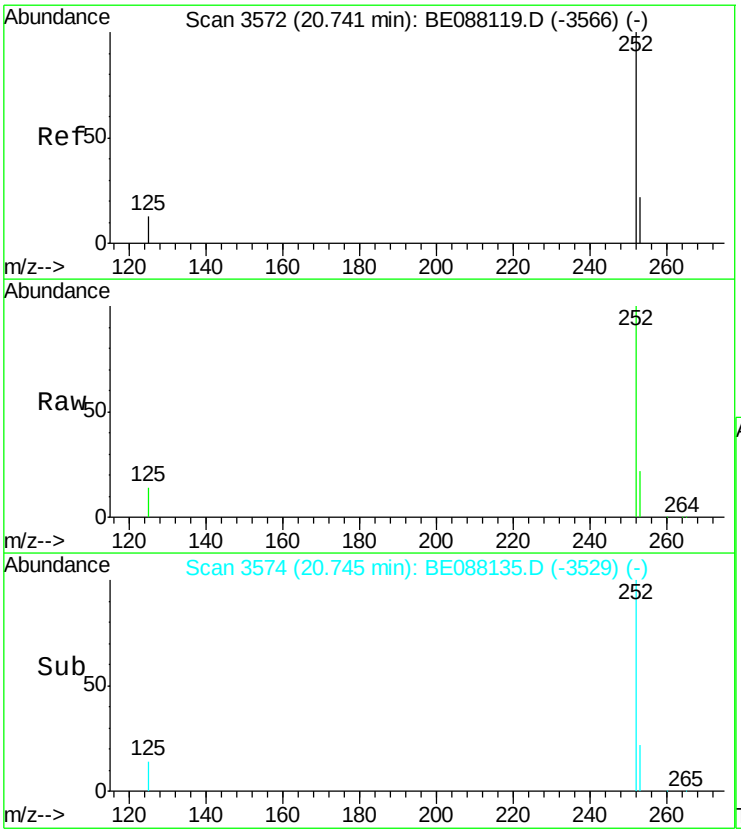
#23
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:252 Resp: 121629

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	13.8	11.8	17.8

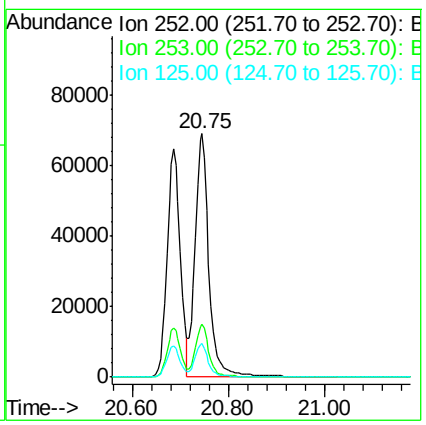


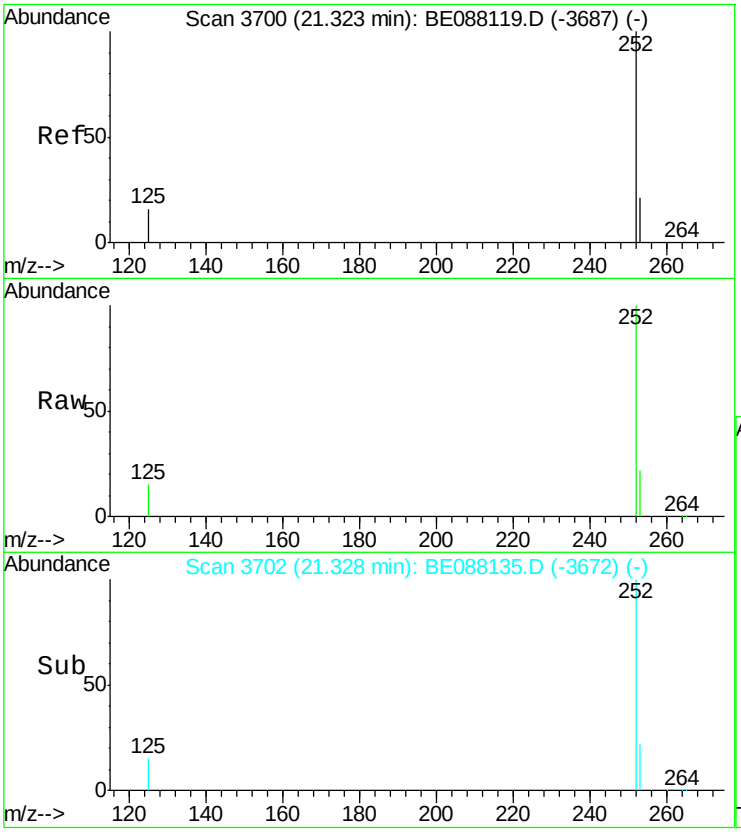


#24
Benzo(k)fluoranthene
Concen: 6.94 ng
RT: 20.75 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:252 Resp: 136675

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	13.6	11.5	17.3



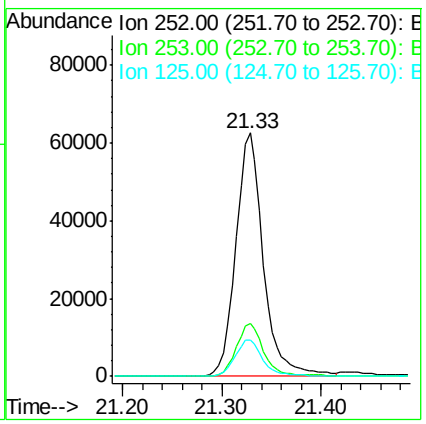


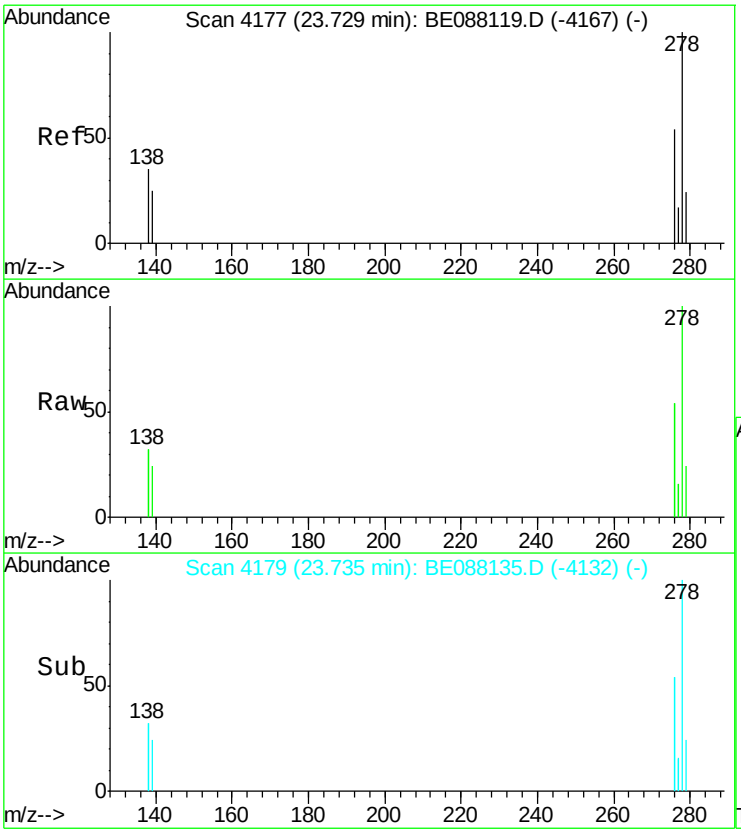
#25
Benzo(a)pyrene
Concen: 7.11 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:252 Resp: 120452

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.1	13.0	19.6

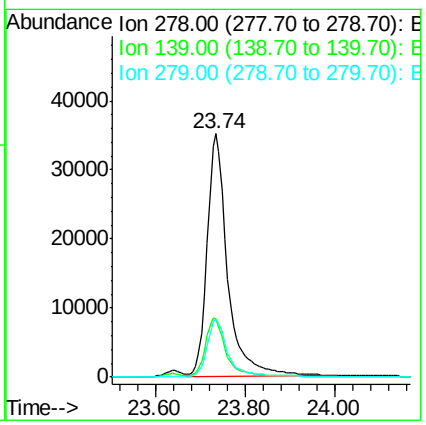


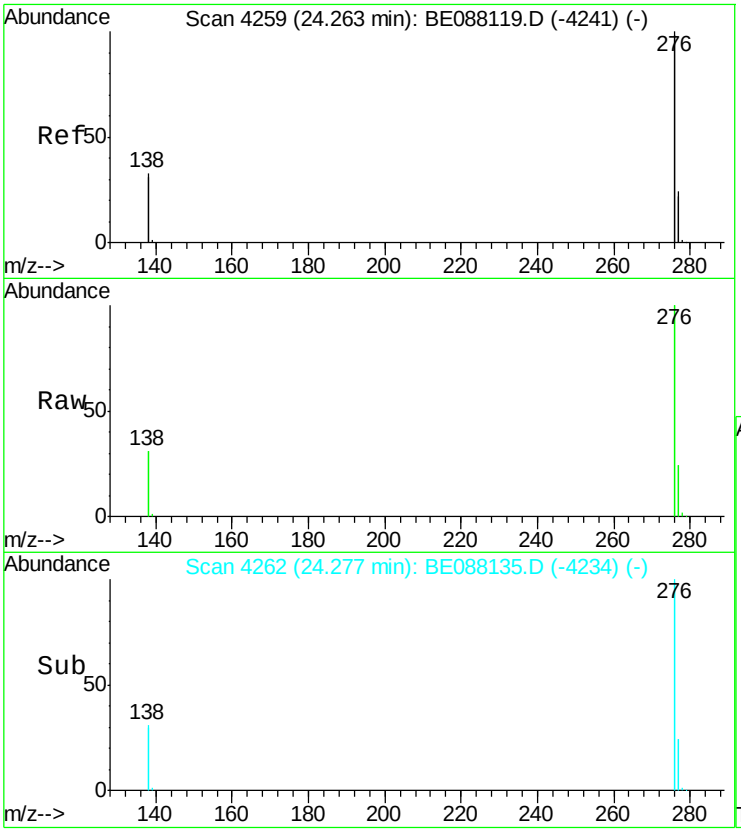


#26
Dibenzo(a,h)anthracene
Concen: 6.66 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion:278 Resp: 110775

Ion	Ratio	Lower	Upper
278	100		
139	24.0	20.9	31.3
279	24.0	19.8	29.8





#27
Benzo(g,h,i)perylene
Concen: 6.52 ng
RT: 24.28 min Scan# 4262
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion:276 Resp: 479154

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	30.8	26.6	40.0