Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088464.D
Acq On : 1 Nov 2014 22:36
Operator : TP/JJ
Sample : F4312-10RE
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SS27P-1014RE

Quant Time: Nov 02 04:21:42 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	37947	5.00	ng		0.00
3) Naphthalene-d8	8.65	136	141188	5.00	ng		0.00
7) Acenaphthene-d10	10.79	164	66514	5.00	ng		0.00
12) Phenanthrene-d10	12.91	188	138944	5.00	ng		0.00
16) Chrysene-d12	18.33	240	82502	5.00	ng		0.02
22) Perylene-d12	21.40	264	81474	5.00	ng		0.02
System Monitoring Compounds							
4) Nitrobenzene-d5	7.79	82	645738	62.36	ng		0.02
8) 2-Fluorobiphenyl	10.00	172	718920	38.35	ng		0.01
18) Terphenyl-d14	16.11	244	562961	37.14	ng		0.04
Target Compounds							Qvalue
2) 1,4-Dioxane	2.01	88	4100	0.83	ng	#	1
5) Naphthalene	8.68	128	1084	0.04	ng	#	88
6) 2-Methylnaphthalene	9.53	142	546	0.03	ng	#	96
9) Acenaphthylene	10.62	152	6226	0.06	ng	#	98
10) Acenaphthene	10.84	154	2352	0.15	ng		82
11) Fluorene	11.50	166	1858	0.11	ng		96
13) Phenanthrene	12.95	178	221209	1.75	ng		99
14) Anthracene	12.95	178	221209	2.17	ng		98
15) Fluoranthene	15.19	202	64313	3.14	ng		99
17) Pyrene	15.64	202	53698	2.00	ng		97
19) Benzo(a)anthracene	18.31	228	110336	1.42	ng		98
20) Chrysene	18.38	228	107065	1.40	ng		98
21) Indeno(1,2,3-cd)pyrene	23.59	276	76075	1.07	ng	#	87
23) Benzo(b)fluoranthene	20.64	252	38716	2.17	ng		96
24) Benzo(k)fluoranthene	20.64	252	38716	1.97	ng		96
25) Benzo(a)pyrene	21.28	252	25906	1.51	ng		97
26) Dibenzo(a,h)anthracene	23.66	278	4112	0.26	ng	#	76
27) Benzo(g,h,i)perylene	24.21	276	78052	1.07	ng		99

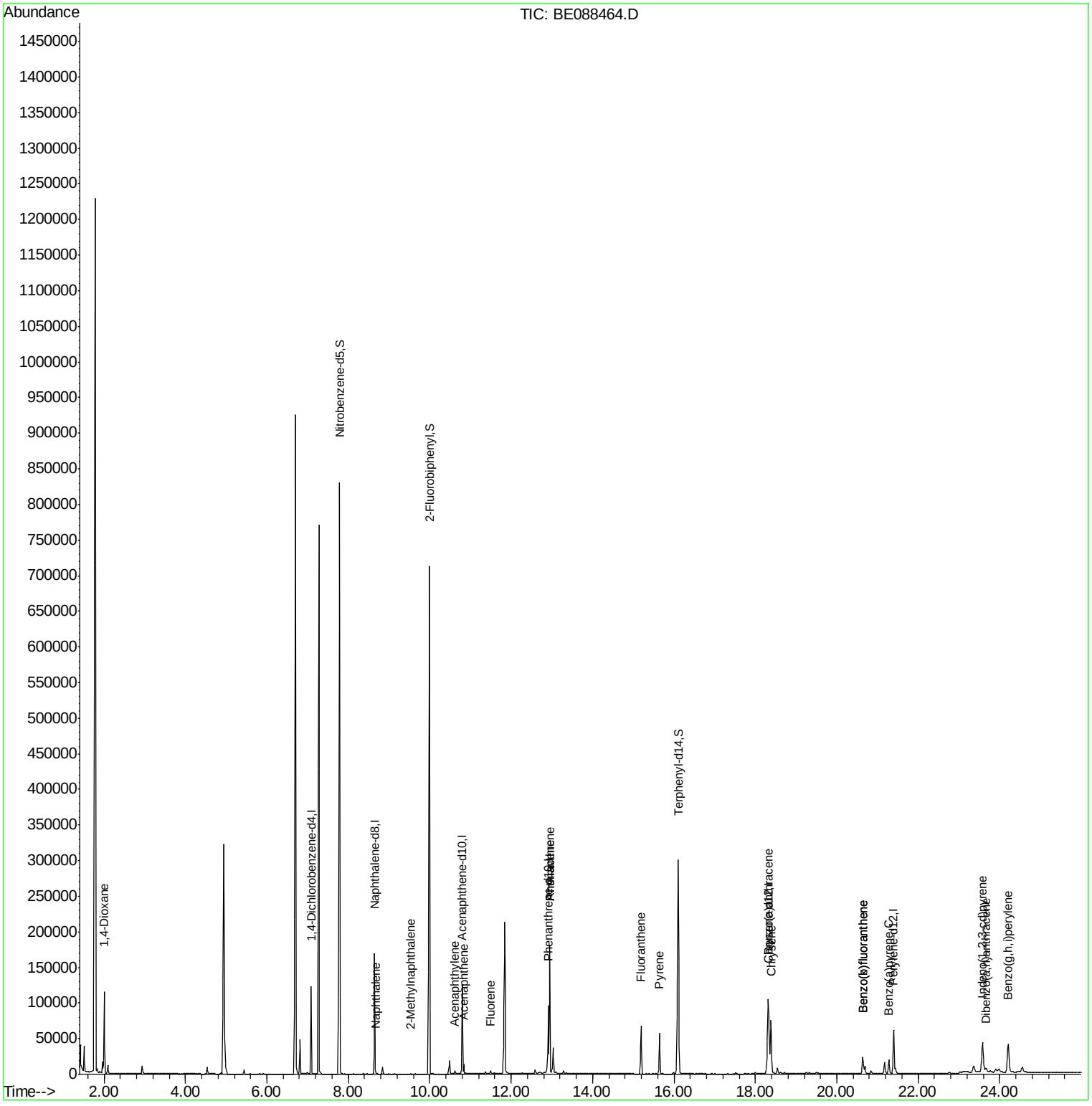
(#) = qualifier out of range (m) = manual integration (+) = signals summed

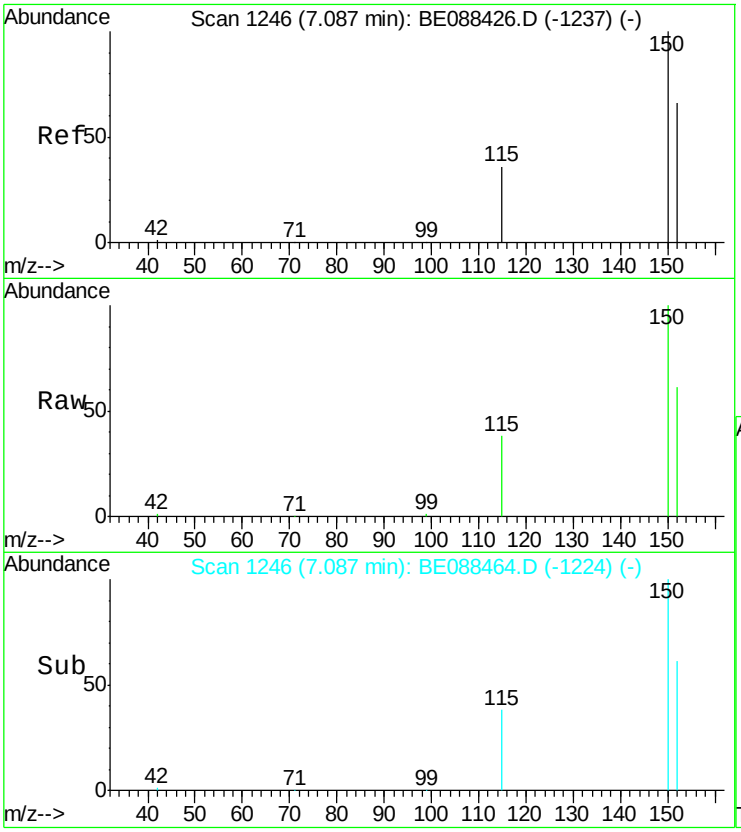
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088464.D
Acq On : 1 Nov 2014 22:36
Operator : TP/JJ
Sample : F4312-10RE
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Quant Time: Nov 02 04:21:42 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration



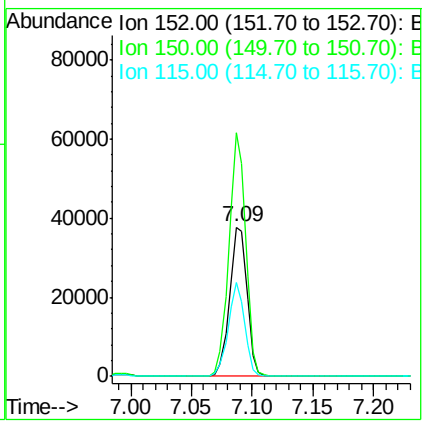


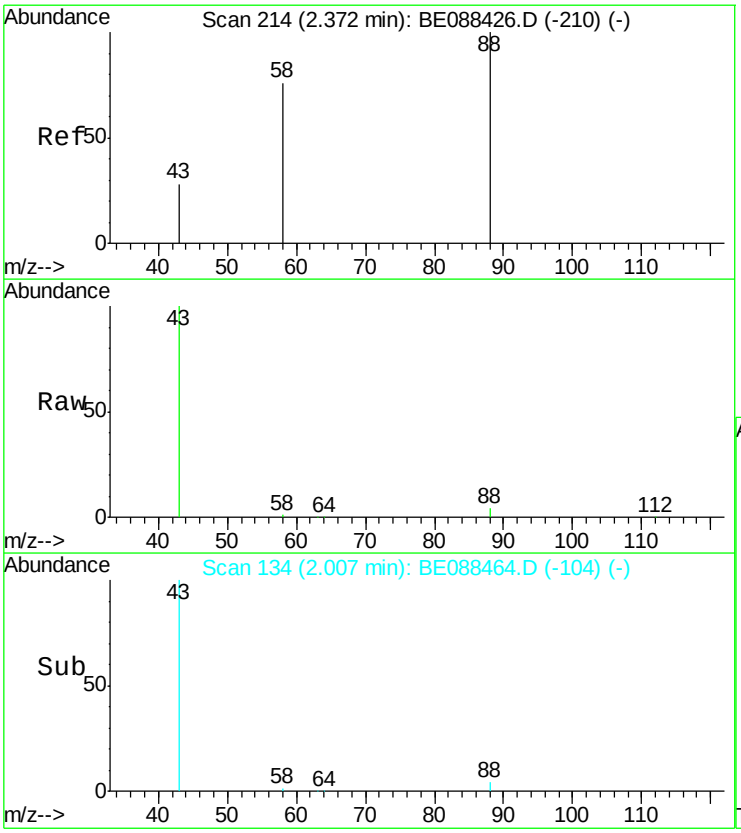
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:152 Resp: 37947

Ion	Ratio	Lower	Upper
152	100		
150	163.5	121.8	182.8
115	62.9	43.9	65.9

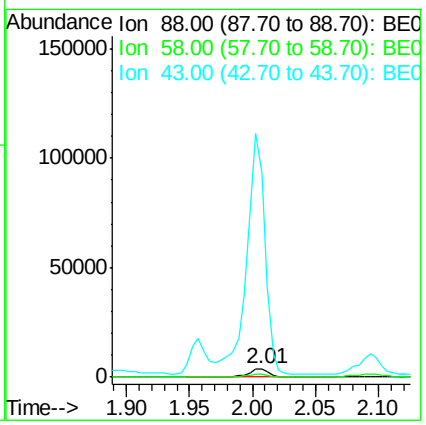


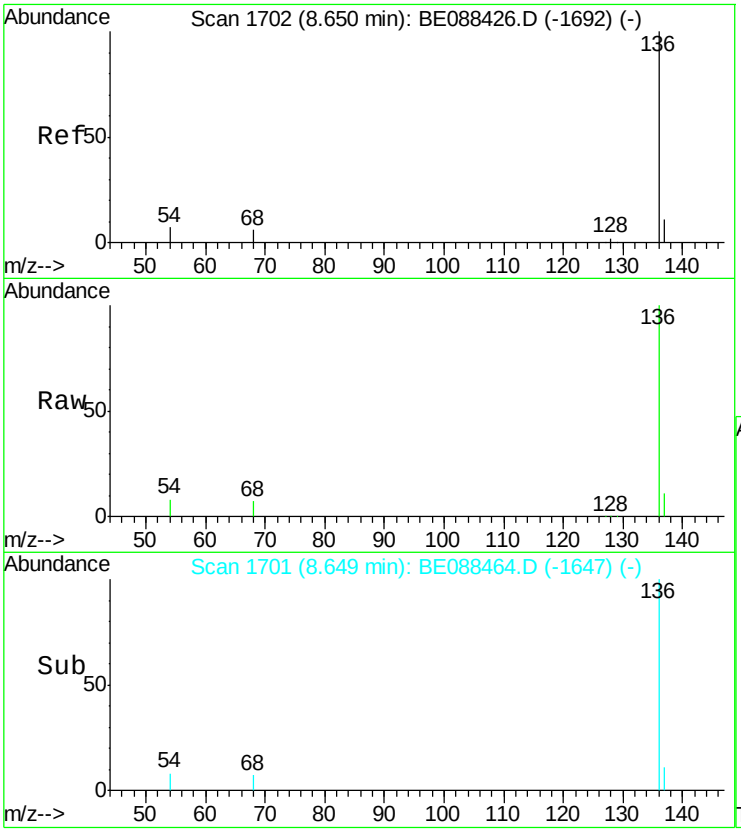


#2
1,4-Dioxane
Concen: 0.83 ng
RT: 2.01 min Scan# 134
Delta R.T. -0.36 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion: 88 Resp: 4100

Ion	Ratio	Lower	Upper
88	100		
58	24.3	59.1	88.7#
43	2735.0	21.9	32.9#



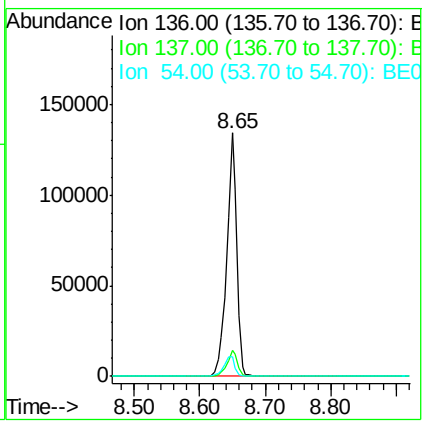


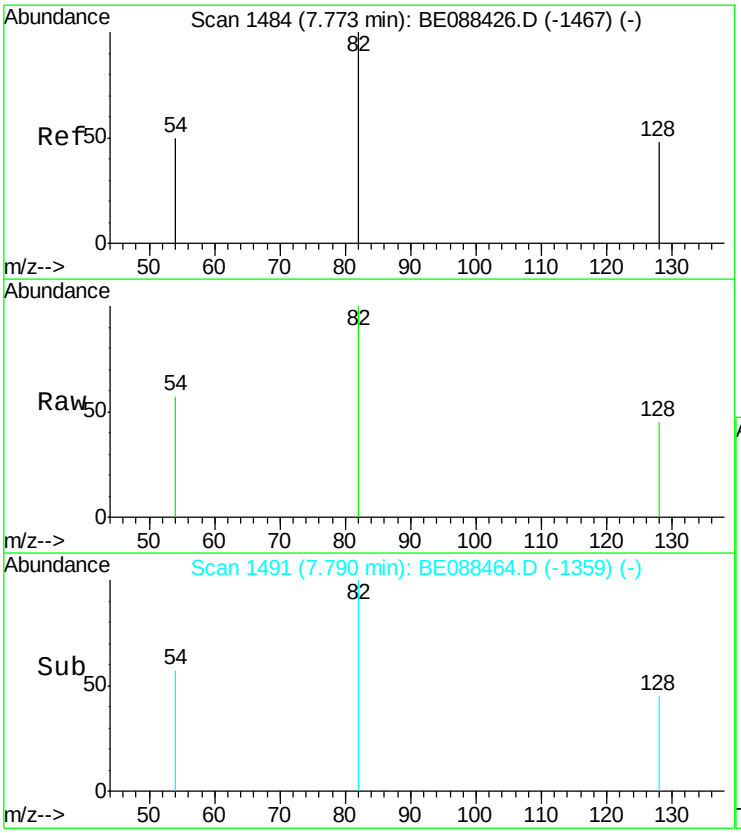
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1701
Delta R.T. -0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:136 Resp: 141188

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	5.3	7.9#

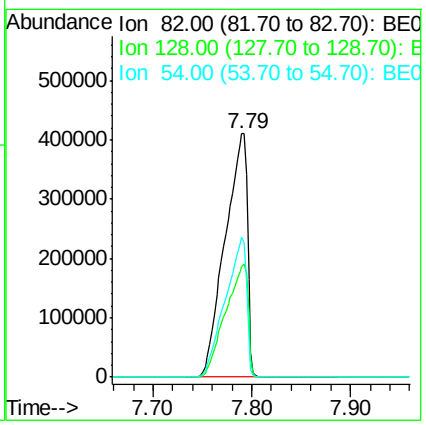


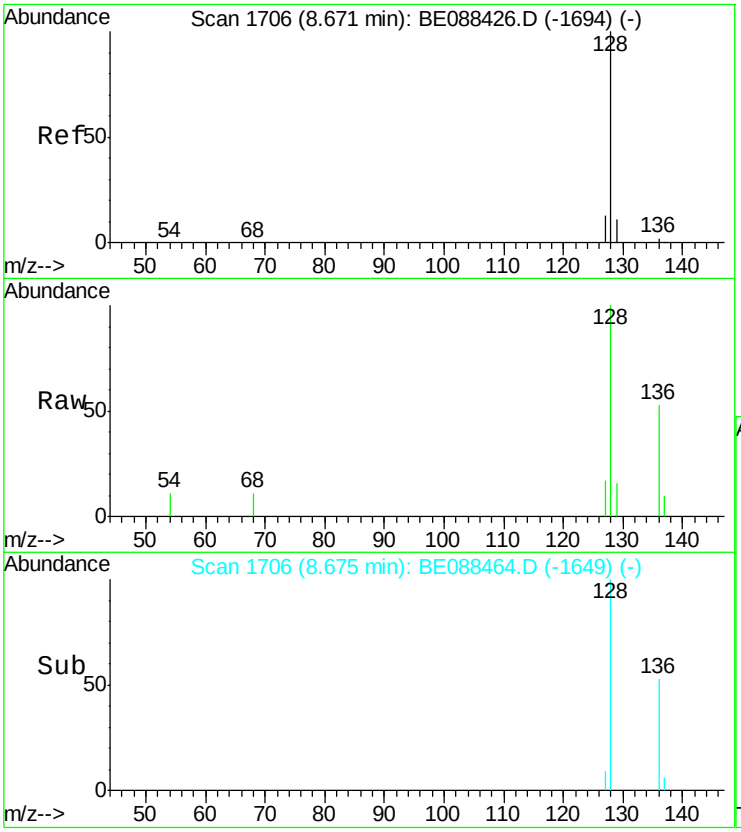


#4
Nitrobenzene-d5
Concen: 62.36 ng
RT: 7.79 min Scan# 1491
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion: 82 Resp: 645738

Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.4	57.6
54	57.3	40.2	60.2



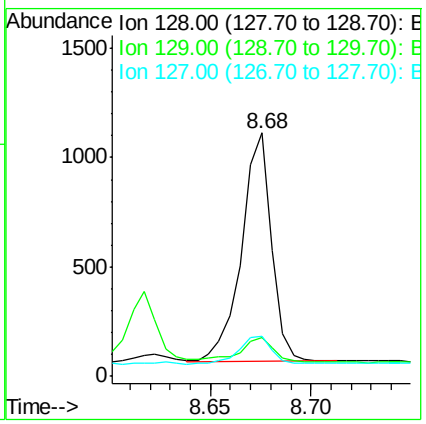


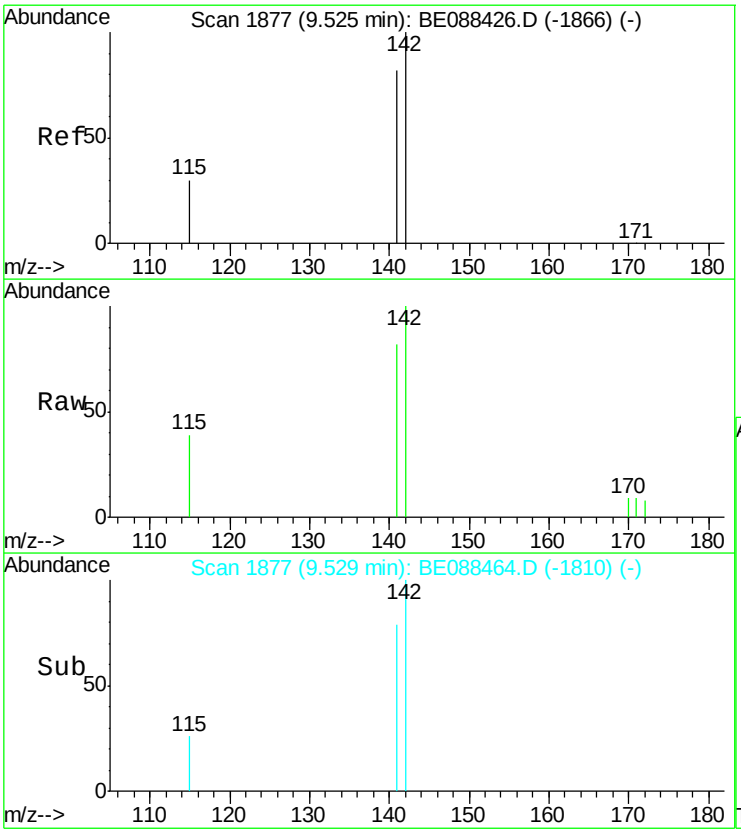
#5
Naphthalene
Concen: 0.04 ng
RT: 8.68 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:128 Resp: 1084

Ion	Ratio	Lower	Upper
128	100		
129	16.1	8.6	12.8#
127	16.6	10.1	15.1#

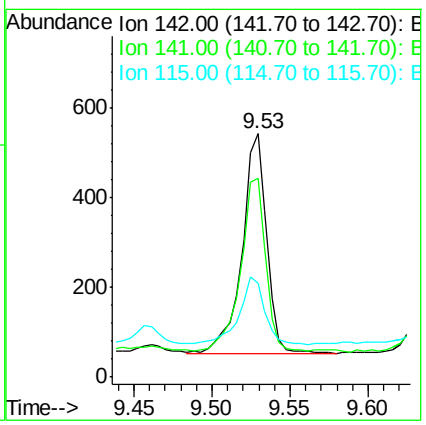


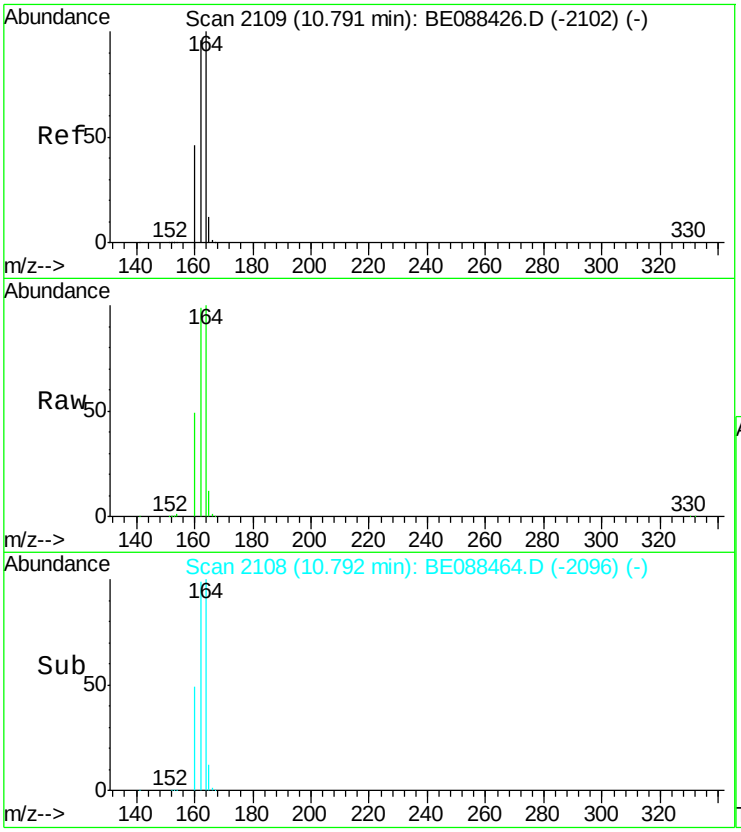


#6
2-Methylnaphthalene
Concen: 0.03 ng
RT: 9.53 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:142 Resp: 546

Ion	Ratio	Lower	Upper
142	100		
141	81.9	65.8	98.8
115	38.7	24.2	36.4#



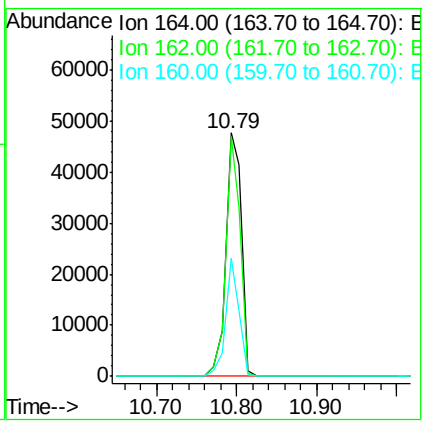


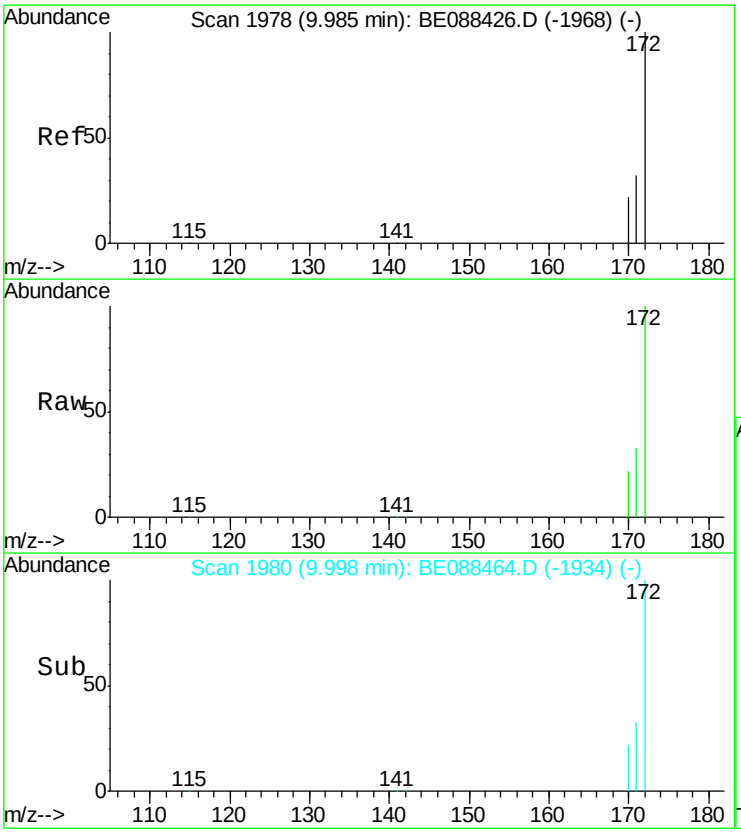
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:164 Resp: 66514

Ion	Ratio	Lower	Upper
164	100		
162	98.7	77.0	115.4
160	48.8	36.8	55.2

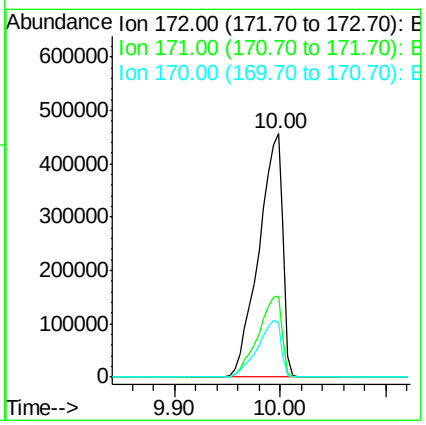


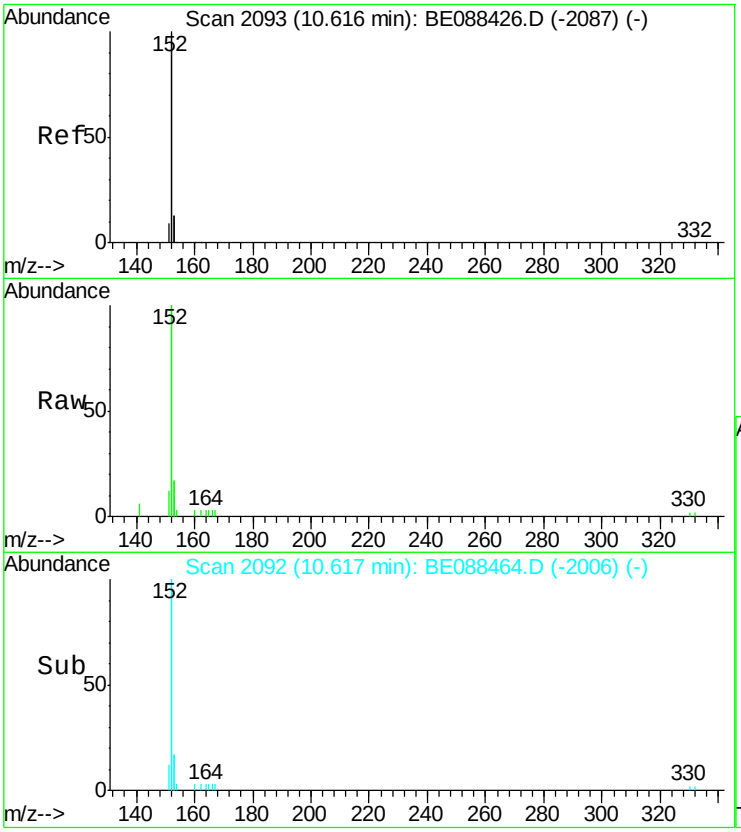


#8
2-Fluorobiphenyl
Concen: 38.35 ng
RT: 10.00 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:172 Resp: 718920

Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.0	39.0
170	22.4	17.6	26.4



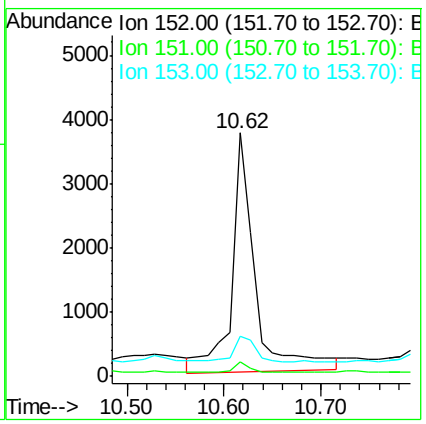


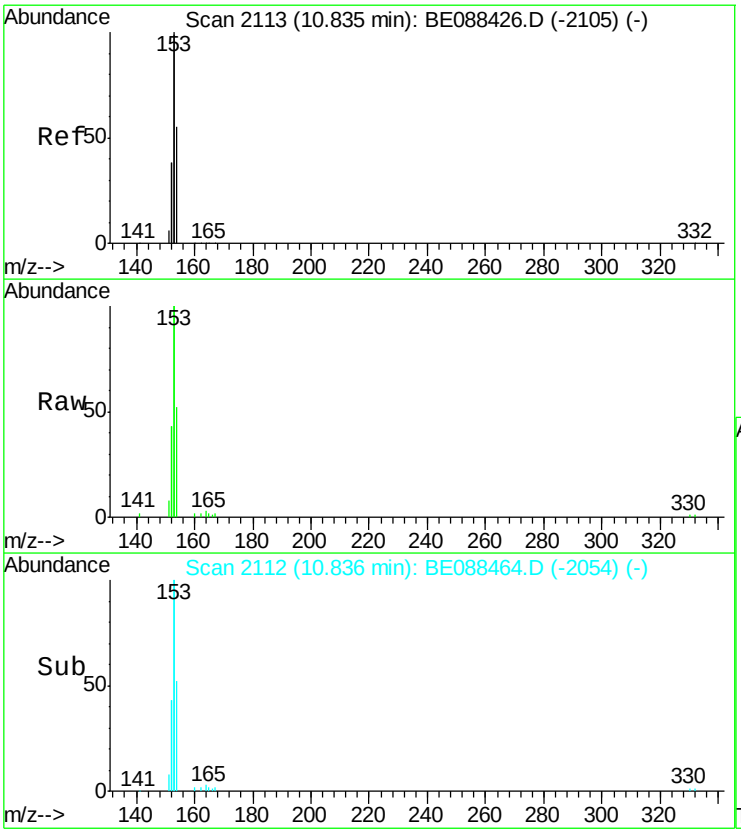
#9
Acenaphthylene
Concen: 0.06 ng
RT: 10.62 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:152 Resp: 6226

Ion	Ratio	Lower	Upper
152	100		
151	3.5	4.4	6.6#
153	12.8	10.5	15.7

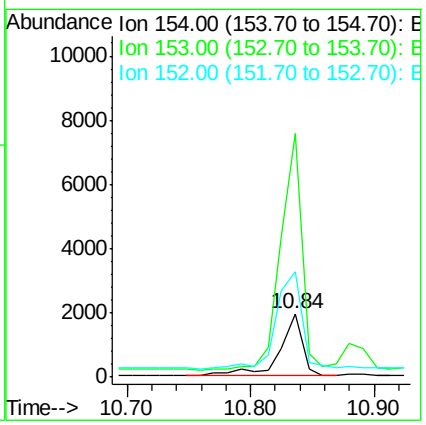


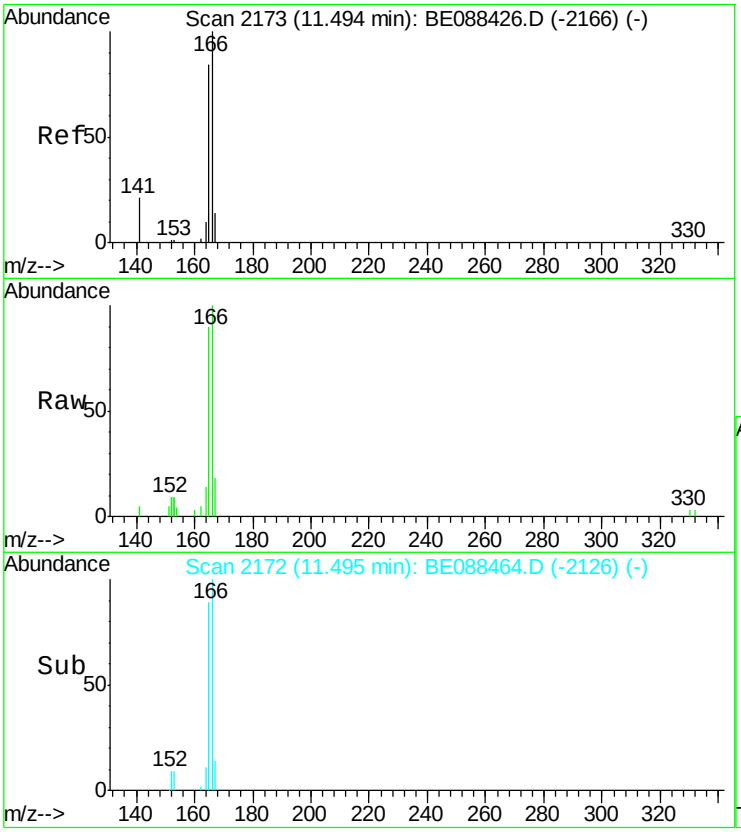


#10
Acenaphthene
Concen: 0.15 ng
RT: 10.84 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:154 Resp: 2352

Ion	Ratio	Lower	Upper
154	100		
153	362.9	324.3	486.5
152	221.2	154.9	232.3



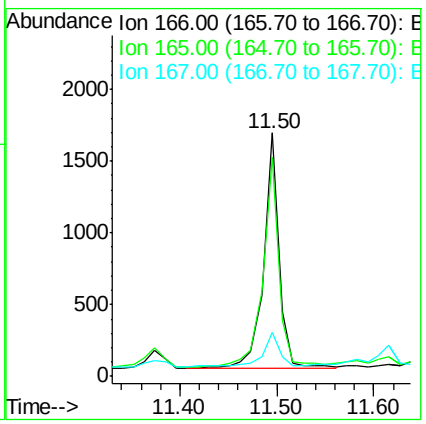


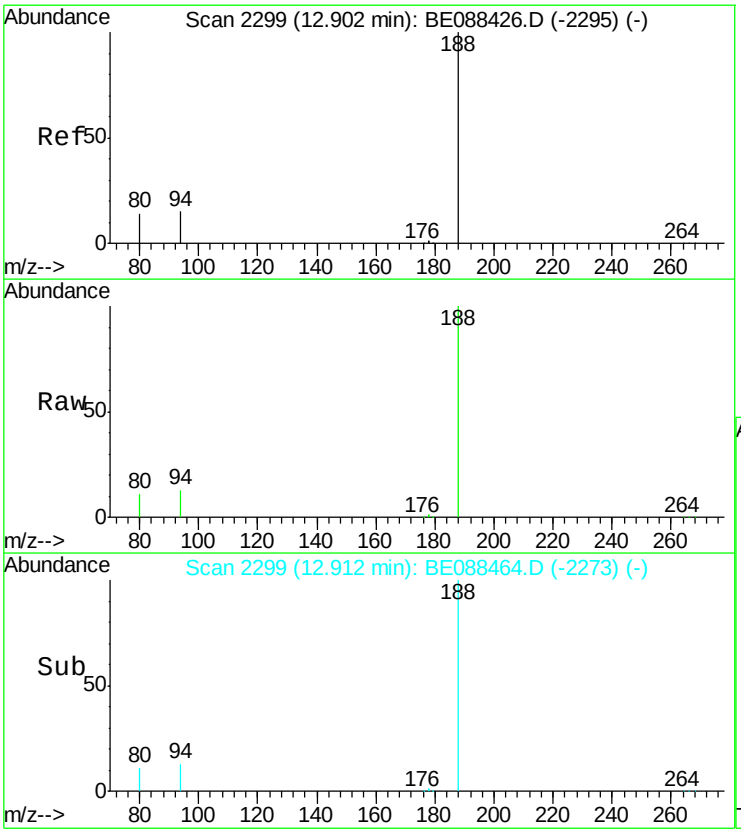
#11
Fluorene
Concen: 0.11 ng
RT: 11.50 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:166 Resp: 1858

Ion	Ratio	Lower	Upper
166	100		
165	92.9	71.3	106.9
167	15.2	10.7	16.1

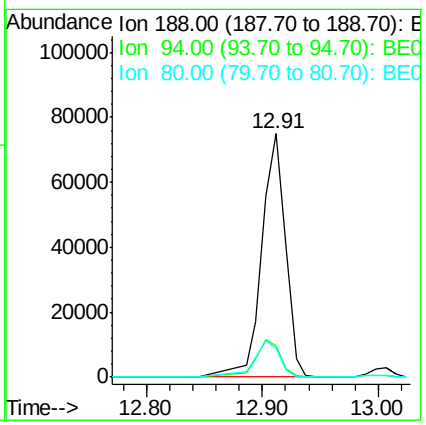


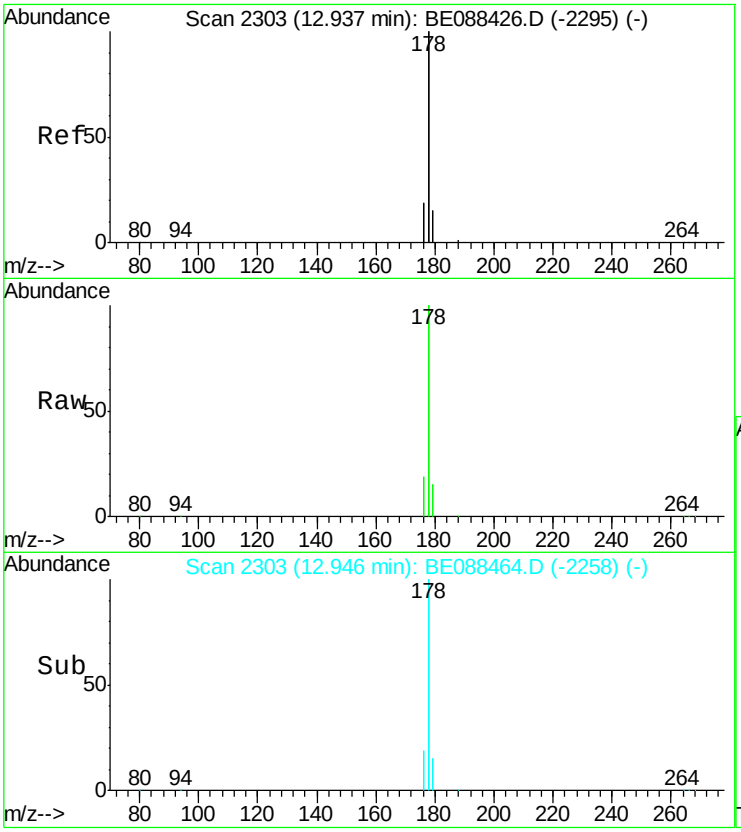


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:188 Resp: 138944

Ion	Ratio	Lower	Upper
188	100		
94	12.6	11.8	17.8
80	11.5	10.9	16.3



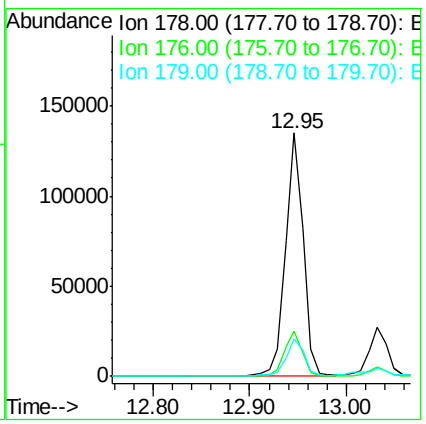


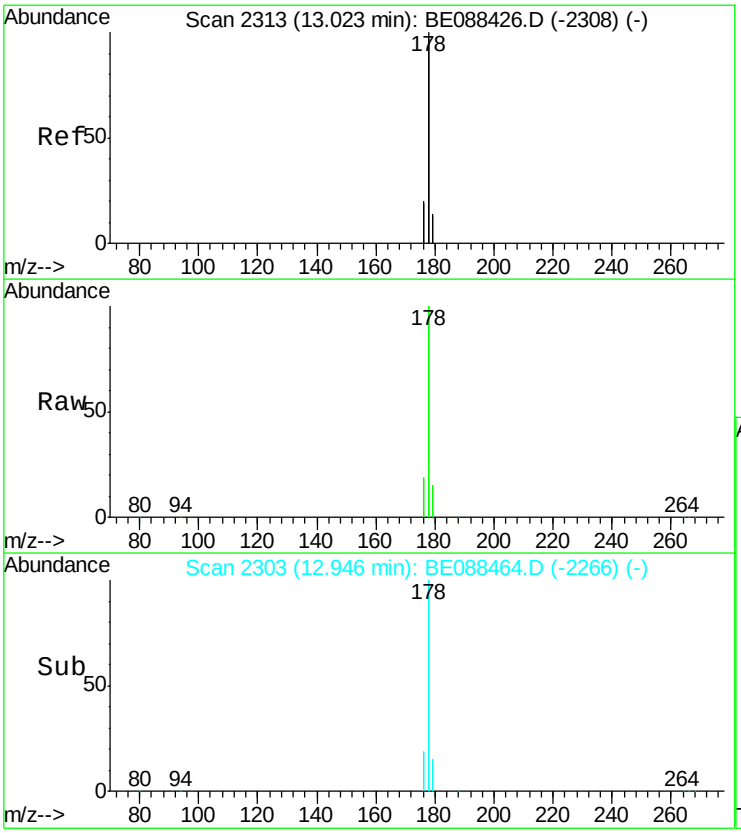
#13
Phenanthrene
Concen: 1.75 ng
RT: 12.95 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:178 Resp: 221209

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.8	12.8	19.2

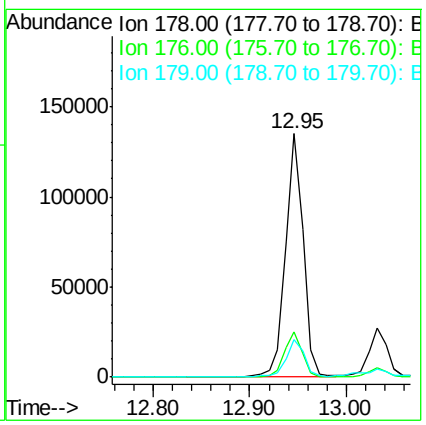


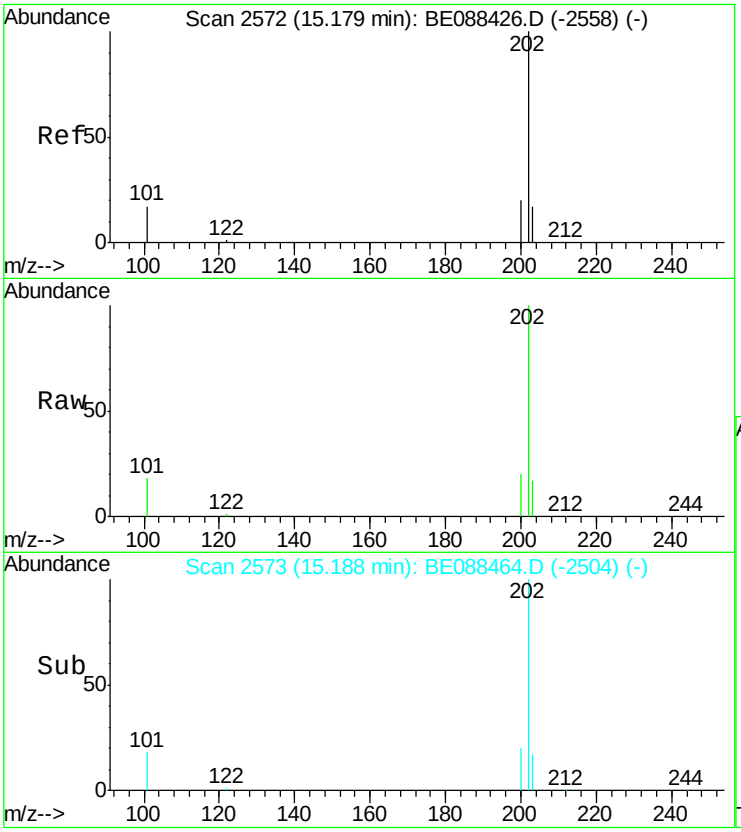


#14
Anthracene
Concen: 2.17 ng
RT: 12.95 min Scan# 2303
Delta R.T. -0.08 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:178 Resp: 221209

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	16.8	12.5	18.7



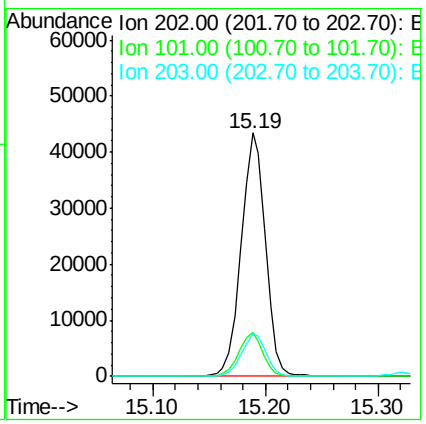


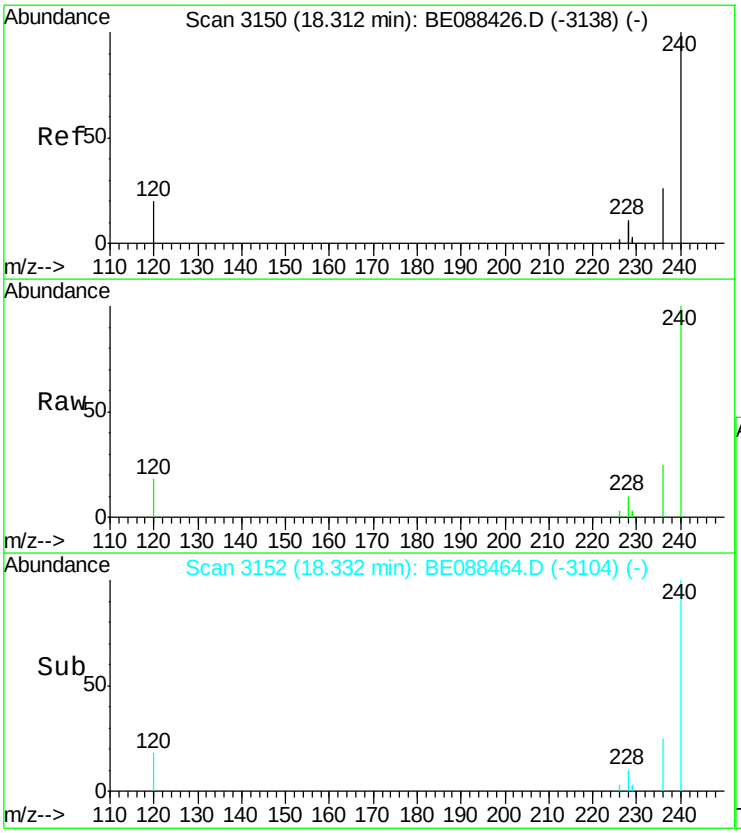
#15
Fluoranthene
Concen: 3.14 ng
RT: 15.19 min Scan# 2573
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:202 Resp: 64313

Ion	Ratio	Lower	Upper
202	100		
101	17.5	14.3	21.5
203	17.1	13.6	20.4

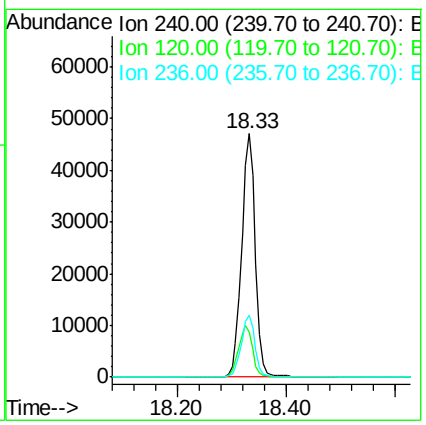


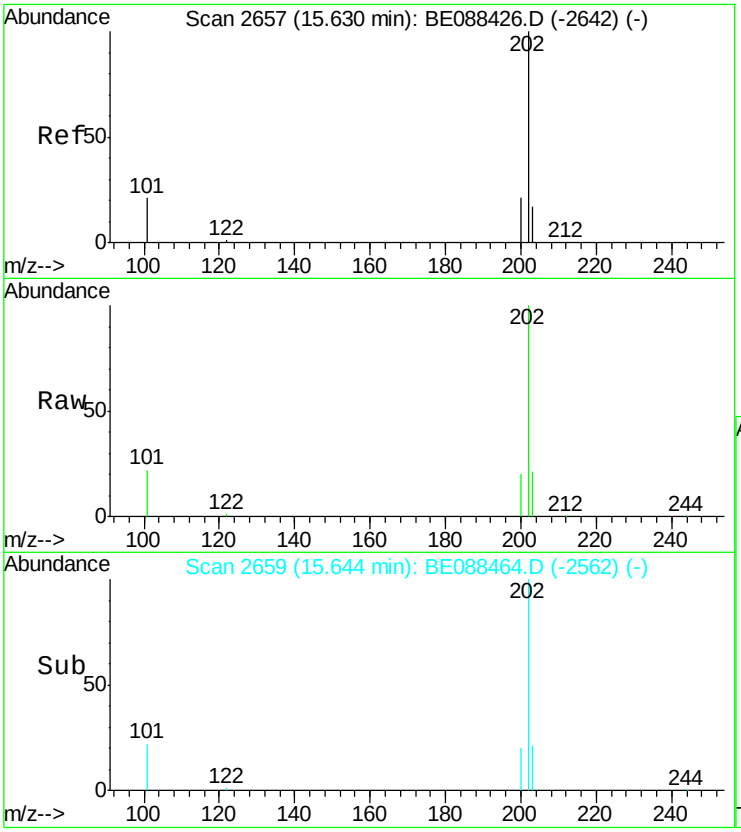


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.33 min Scan# 3152
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:240 Resp: 82502

Ion	Ratio	Lower	Upper
240	100		
120	18.5	16.4	24.6
236	25.3	20.5	30.7



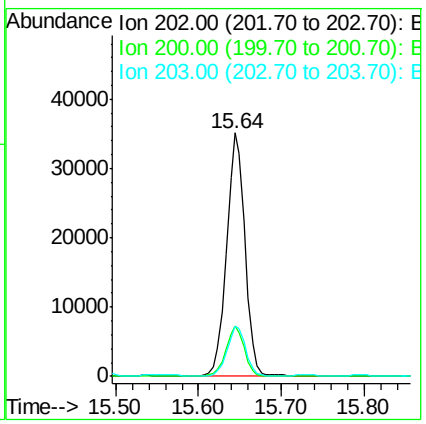


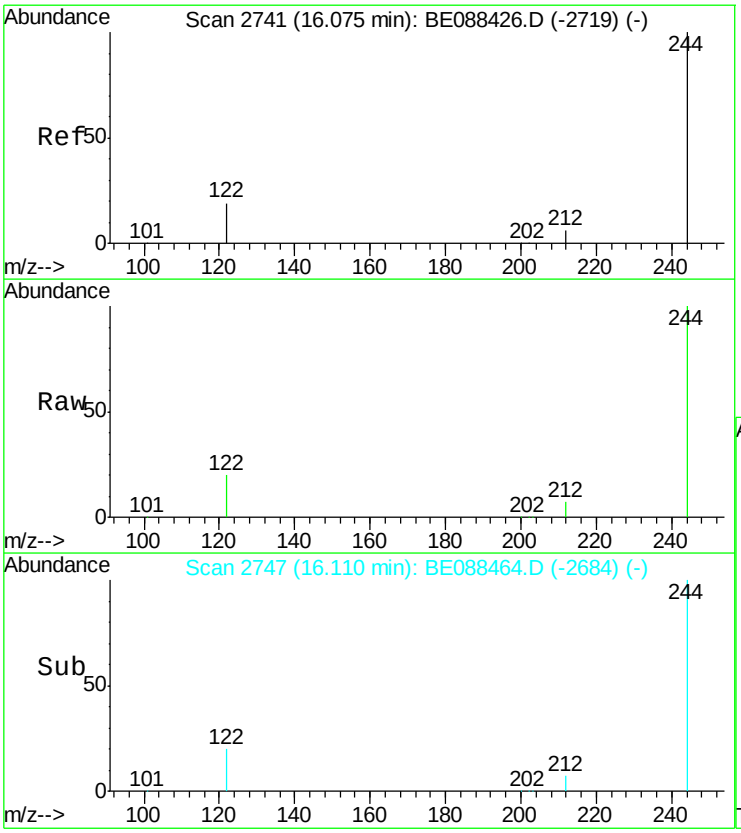
#17
Pyrene
Concen: 2.00 ng
RT: 15.64 min Scan# 2659
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:202 Resp: 53698

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	20.4	13.8	20.8

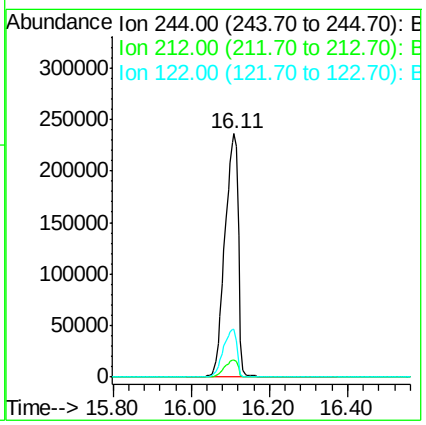


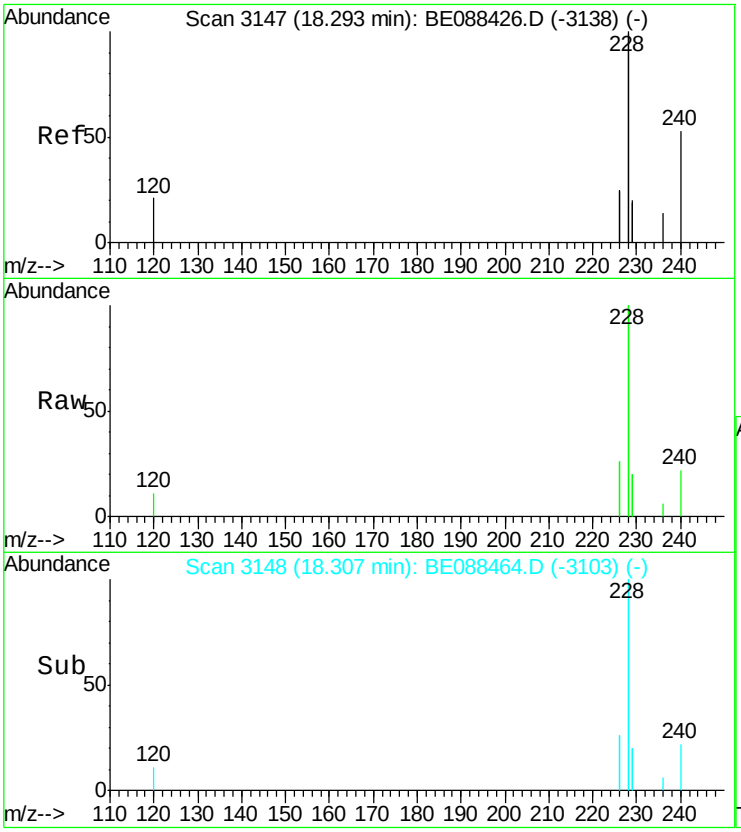


#18
Terphenyl-d14
Concen: 37.14 ng
RT: 16.11 min Scan# 2747
Delta R.T. 0.04 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:244 Resp: 562961

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	19.8	15.6	23.4



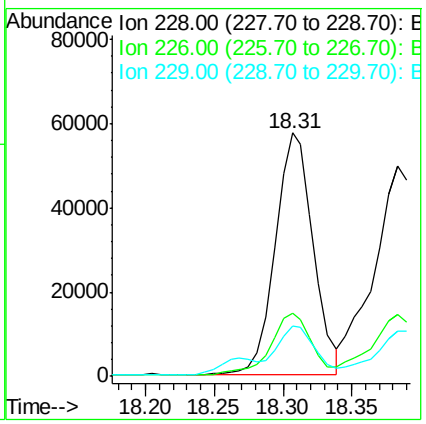


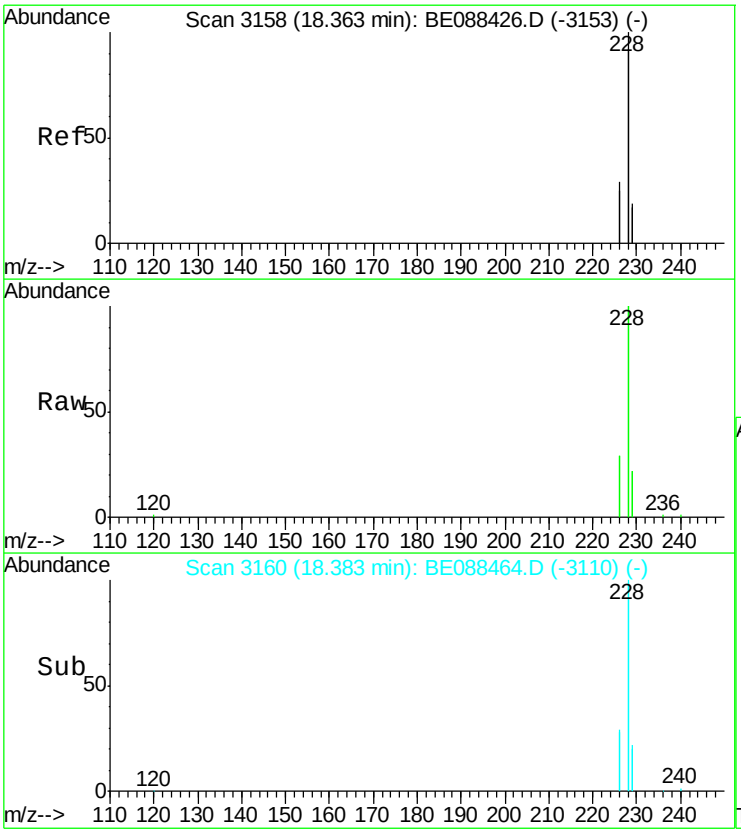
#19
Benzo(a)anthracene
Concen: 1.42 ng
RT: 18.31 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:228 Resp: 110336

Ion	Ratio	Lower	Upper
228	100		
226	26.0	19.8	29.6
229	20.4	16.0	24.0

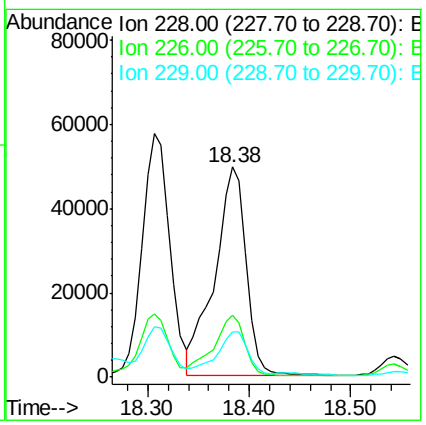


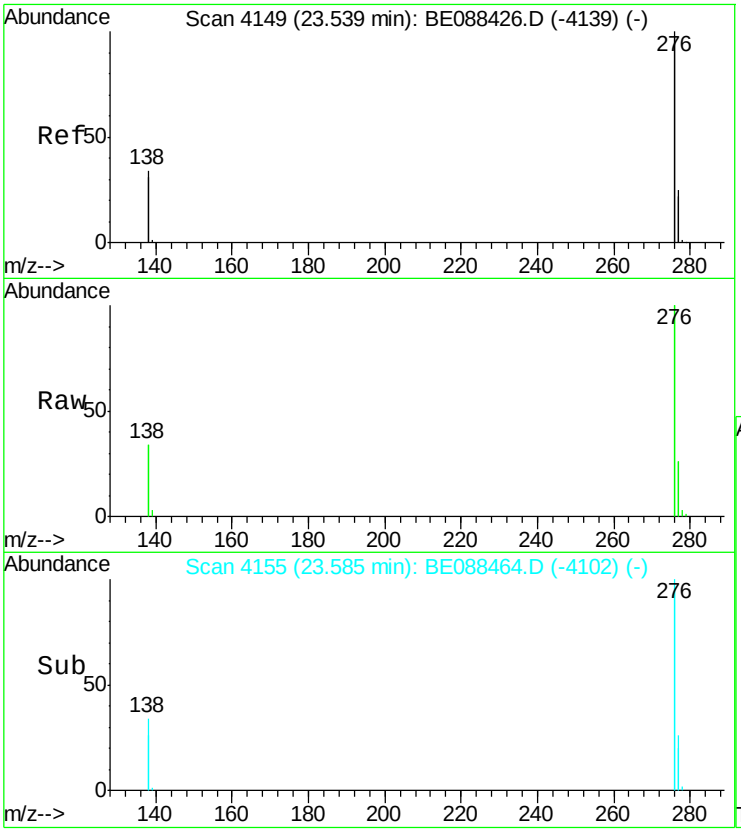


#20
Chrysene
Concen: 1.40 ng
RT: 18.38 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:228 Resp: 107065

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	21.7	15.4	23.2



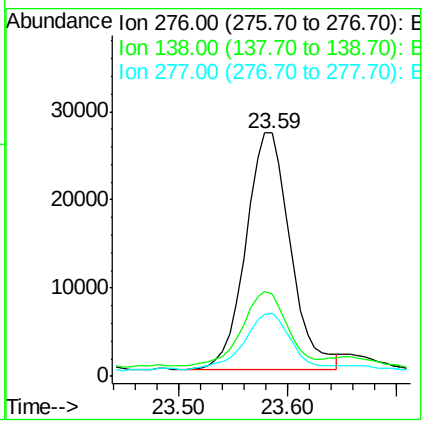


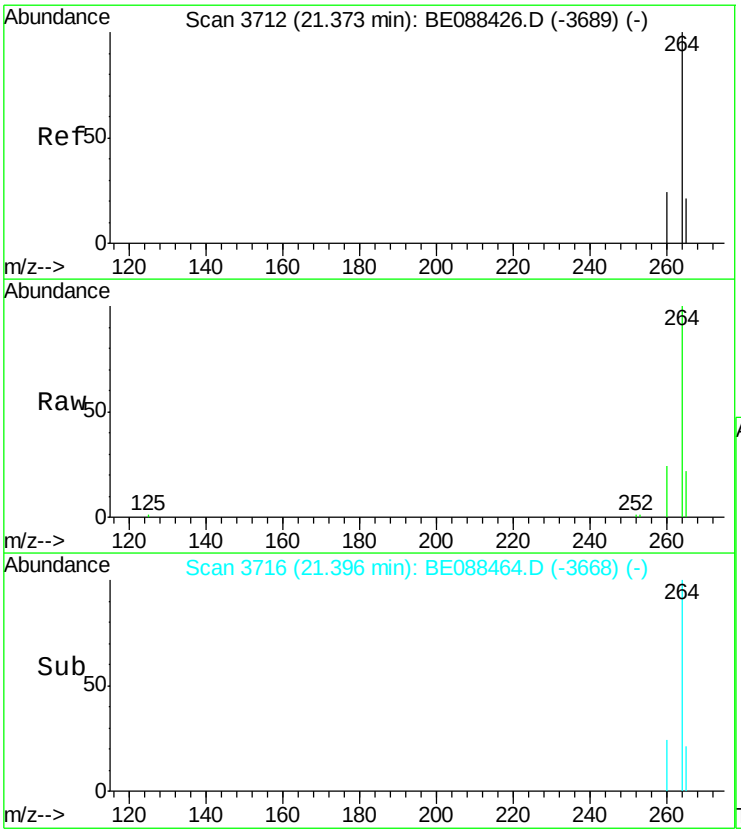
#21
Indeno(1,2,3-cd)pyrene
Concen: 1.07 ng
RT: 23.59 min Scan# 4155
Delta R.T. 0.05 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:276 Resp: 76075

Ion	Ratio	Lower	Upper
276	100		
138	31.8	20.2	30.2#
277	24.2	14.8	22.2#

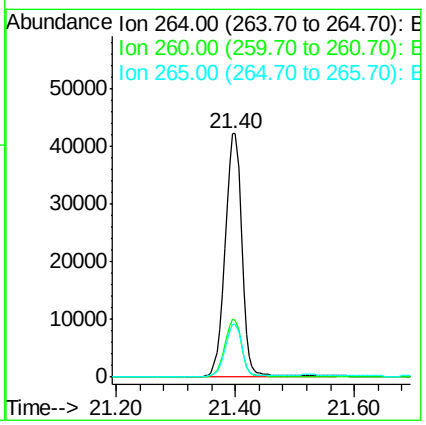


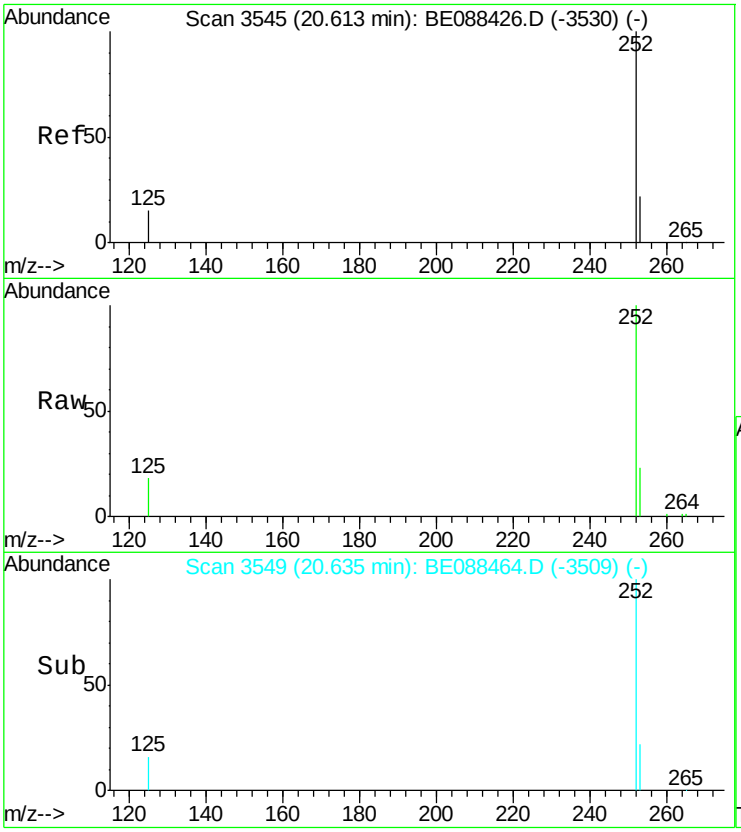


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3716
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:264 Resp: 81474

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.6	17.2	25.8



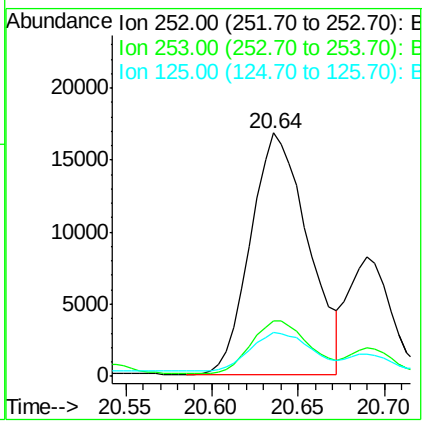


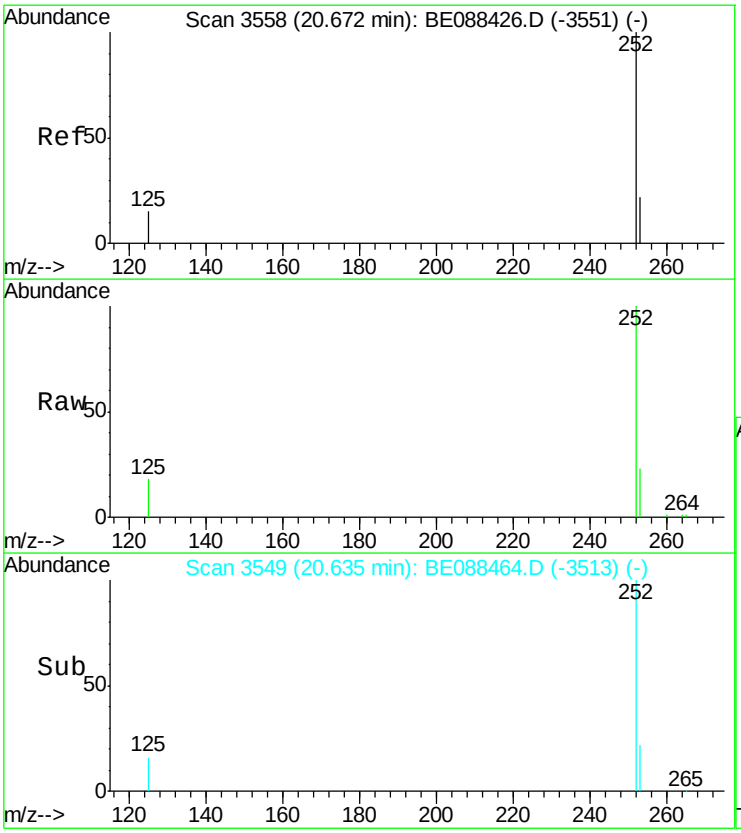
#23
Benzo(b)fluoranthene
Concen: 2.17 ng
RT: 20.64 min Scan# 3549
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:252 Resp: 38716

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	18.1	12.3	18.5

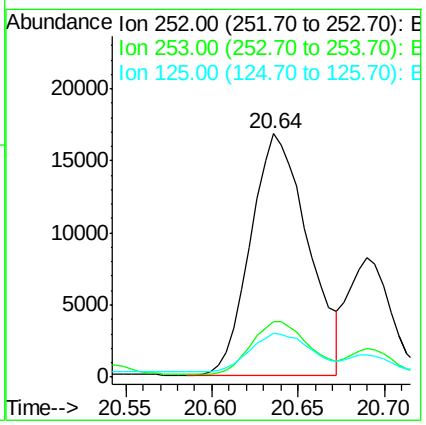


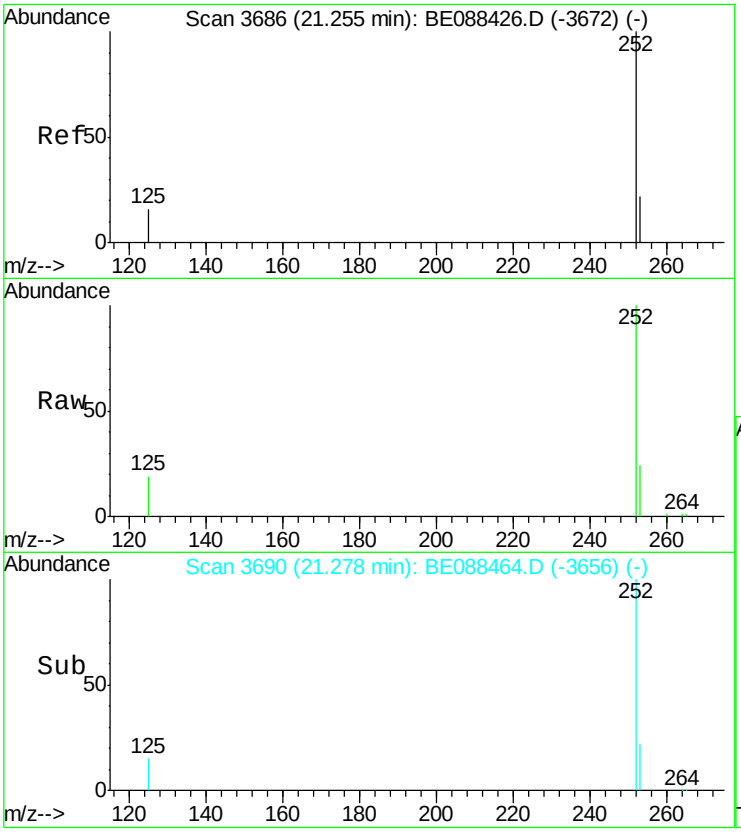


#24
Benzo(k)fluoranthene
Concen: 1.97 ng
RT: 20.64 min Scan# 3549
Delta R.T. -0.04 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:252 Resp: 38716

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	18.1	12.2	18.4



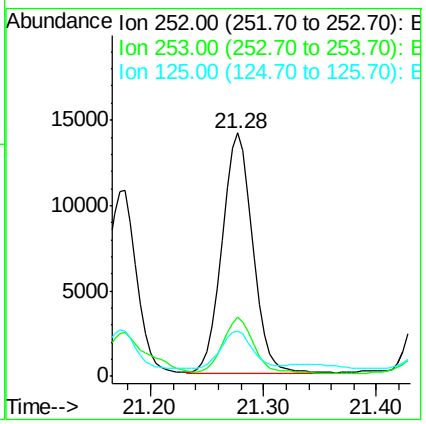


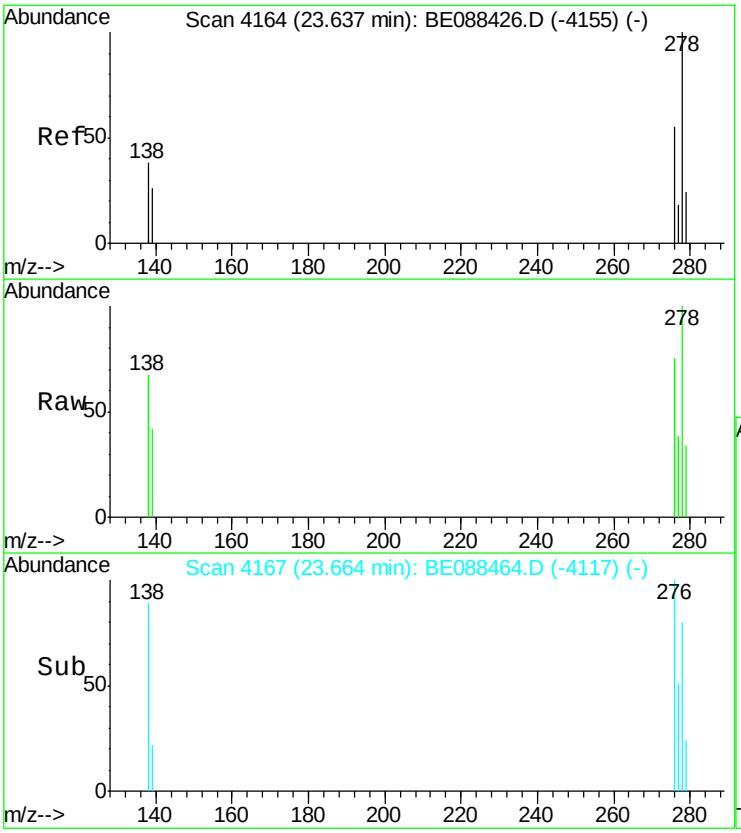
#25
Benzo(a)pyrene
Concen: 1.51 ng
RT: 21.28 min Scan# 3690
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:252 Resp: 25906

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	18.6	13.7	20.5

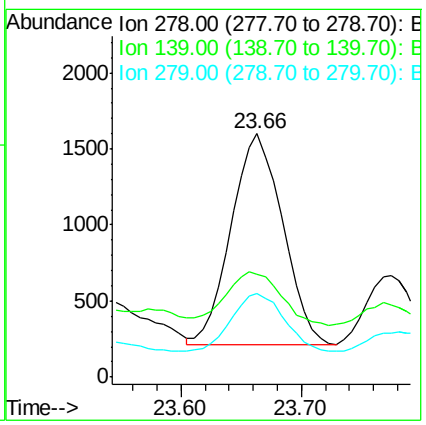


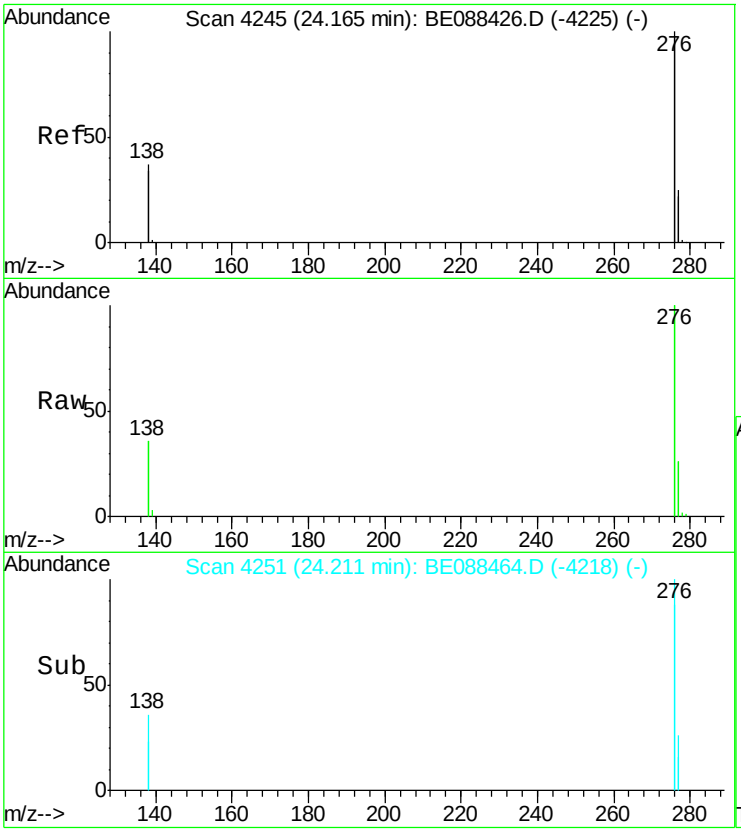


#26
Dibenzo(a,h)anthracene
Concen: 0.26 ng
RT: 23.66 min Scan# 4167
Delta R.T. 0.03 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion:278 Resp: 4112

Ion	Ratio	Lower	Upper
278	100		
139	42.4	22.1	33.1#
279	34.2	19.7	29.5#





#27
Benzo(g,h,i)perylene
Concen: 1.07 ng
RT: 24.21 min Scan# 4251
Delta R.T. 0.05 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion:276 Resp: 78052

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.8	29.6
138	36.0	29.3	43.9