Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088462.D
Acq On : 1 Nov 2014 21:30
Operator : TP/JJ
Sample : F4312-13RE
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SB28-1014RE

Quant Time: Nov 02 04:20:51 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	62777	5.00	ng		0.00
3) Naphthalene-d8	8.65	136	232481	5.00	ng		0.00
7) Acenaphthene-d10	10.79	164	109767	5.00	ng		0.00
12) Phenanthrene-d10	12.91	188	225380	5.00	ng		0.00
16) Chrysene-d12	18.33	240	136496	5.00	ng		0.02
22) Perylene-d12	21.40	264	133318	5.00	ng		0.03
System Monitoring Compounds							
4) Nitrobenzene-d5	7.79	82	790268	46.35	ng		0.02
8) 2-Fluorobiphenyl	10.00	172	857433	27.71	ng		0.01
18) Terphenyl-d14	16.12	244	703078	28.04	ng		0.04
Target Compounds							Qvalue
2) 1,4-Dioxane	2.01	88	4313	0.53	ng	#	1
5) Naphthalene	8.68	128	1356	0.03	ng	#	87
9) Acenaphthylene	10.62	152	7851	0.04	ng	#	98
10) Acenaphthene	10.84	154	2467	0.09	ng		81
11) Fluorene	11.49	166	1935	0.07	ng	#	95
13) Phenanthrene	12.95	178	226868	1.11	ng		99
14) Anthracene	12.95	178	226868	1.37	ng		98
15) Fluoranthene	15.19	202	65997	1.99	ng		100
17) Pyrene	15.64	202	55952	1.26	ng		97
19) Benzo(a)anthracene	18.31	228	111196	0.87	ng		98
20) Chrysene	18.38	228	113608	0.90	ng		96
21) Indeno(1,2,3-cd)pyrene	23.58	276	69032	0.59	ng	#	88
23) Benzo(b)fluoranthene	20.64	252	37551	1.28	ng	#	95
24) Benzo(k)fluoranthene	20.69	252	14281	0.44	ng	#	93
25) Benzo(a)pyrene	21.27	252	24739	0.88	ng		97
26) Dibenzo(a,h)anthracene	23.66	278	3792	0.15	ng	#	66
27) Benzo(g,h,i)perylene	24.20	276	70181	0.59	ng		98

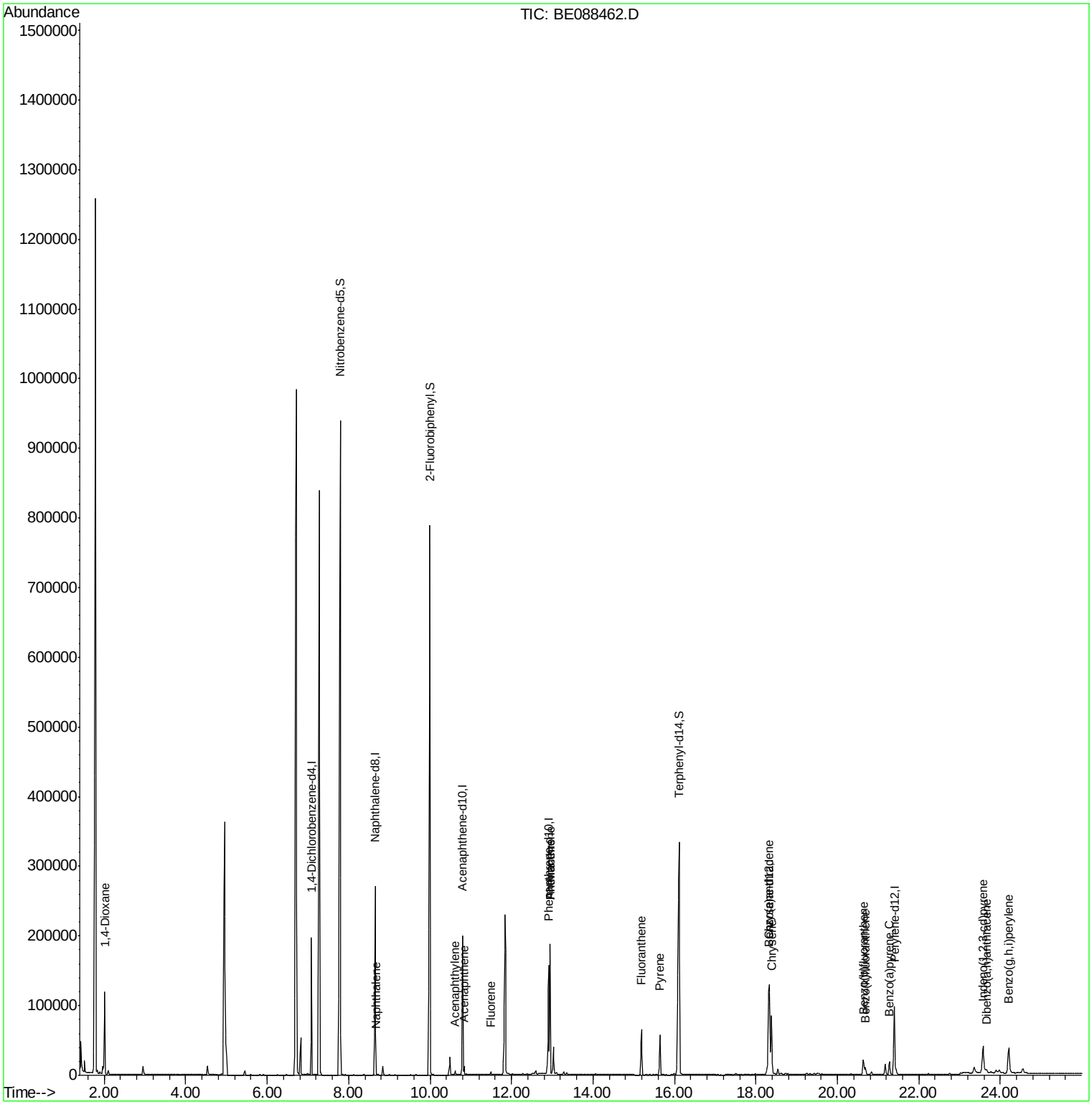
(#) = qualifier out of range (m) = manual integration (+) = signals summed

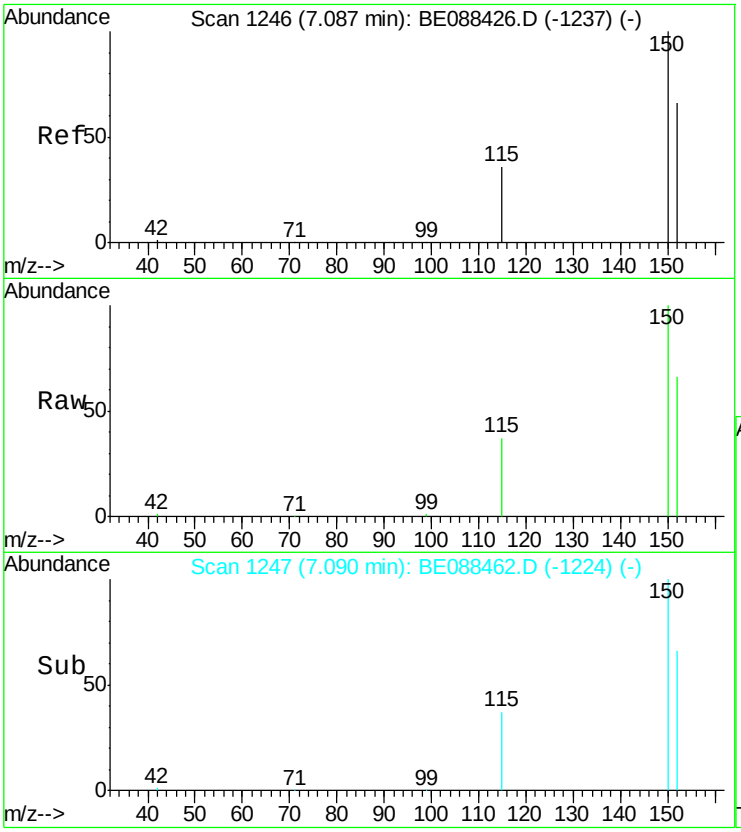
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088462.D
Acq On : 1 Nov 2014 21:30
Operator : TP/JJ
Sample : F4312-13RE
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Quant Time: Nov 02 04:20:51 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



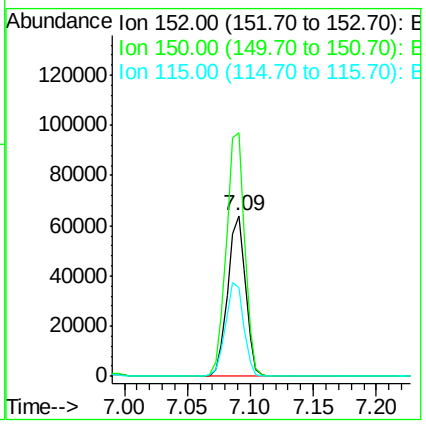


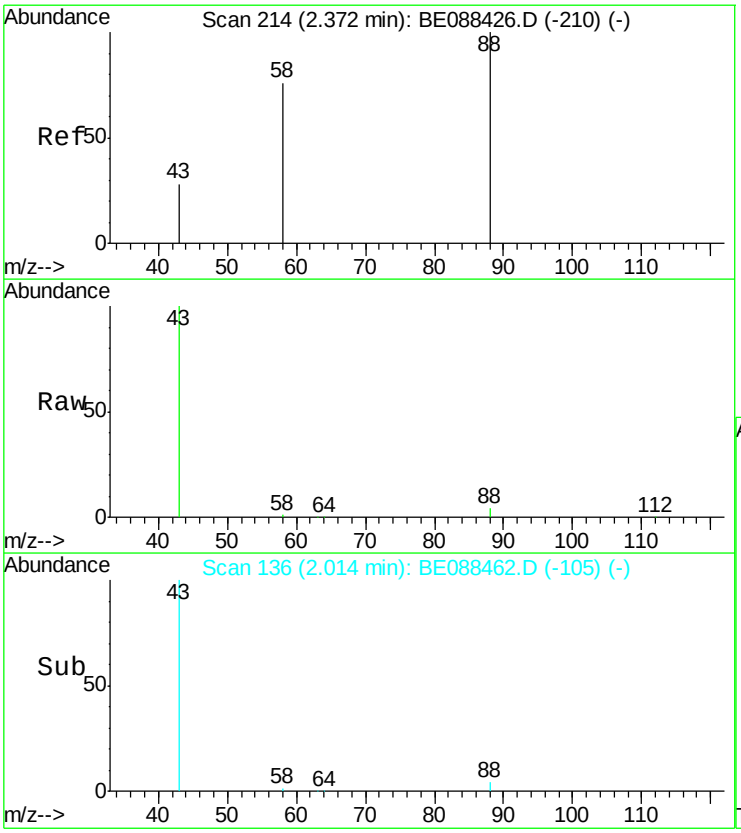
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:152 Resp: 62777

Ion	Ratio	Lower	Upper
152	100		
150	151.5	121.8	182.8
115	55.4	43.9	65.9

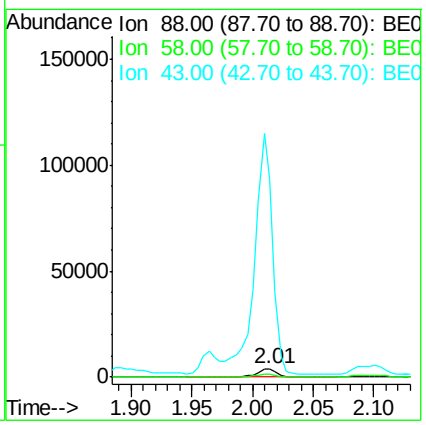


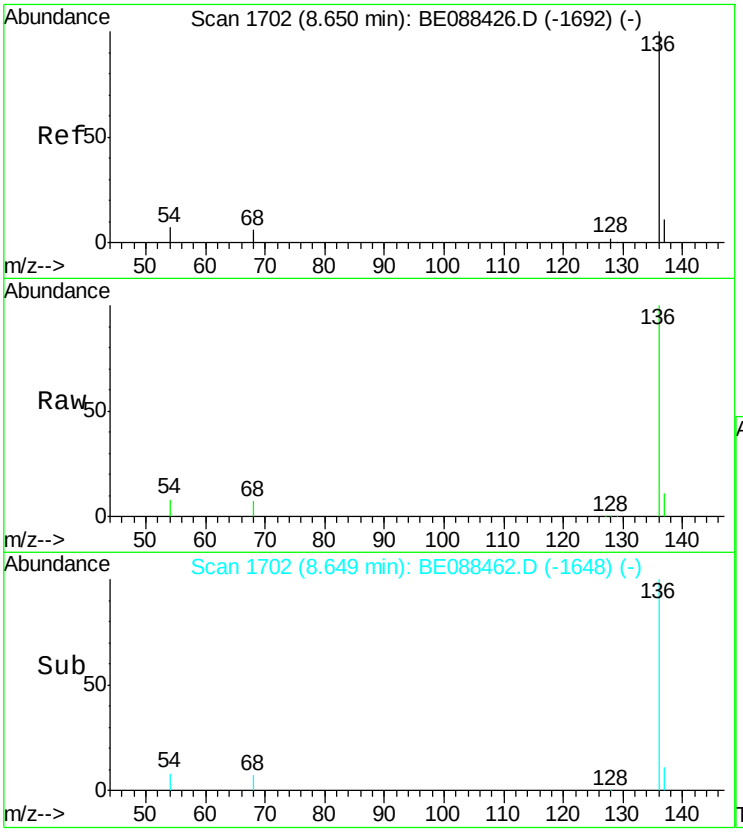


#2
1,4-Dioxane
Concen: 0.53 ng
RT: 2.01 min Scan# 136
Delta R.T. -0.36 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion: 88 Resp: 4313

Ion	Ratio	Lower	Upper
88	100		
58	24.4	59.1	88.7#
43	2698.4	21.9	32.9#



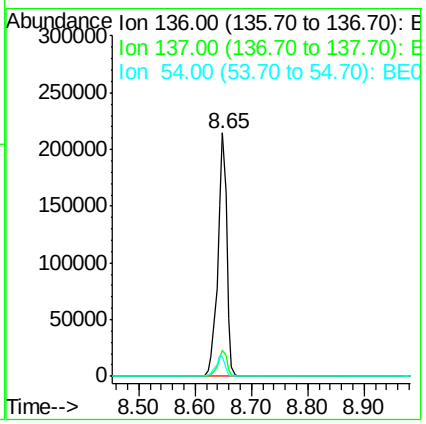


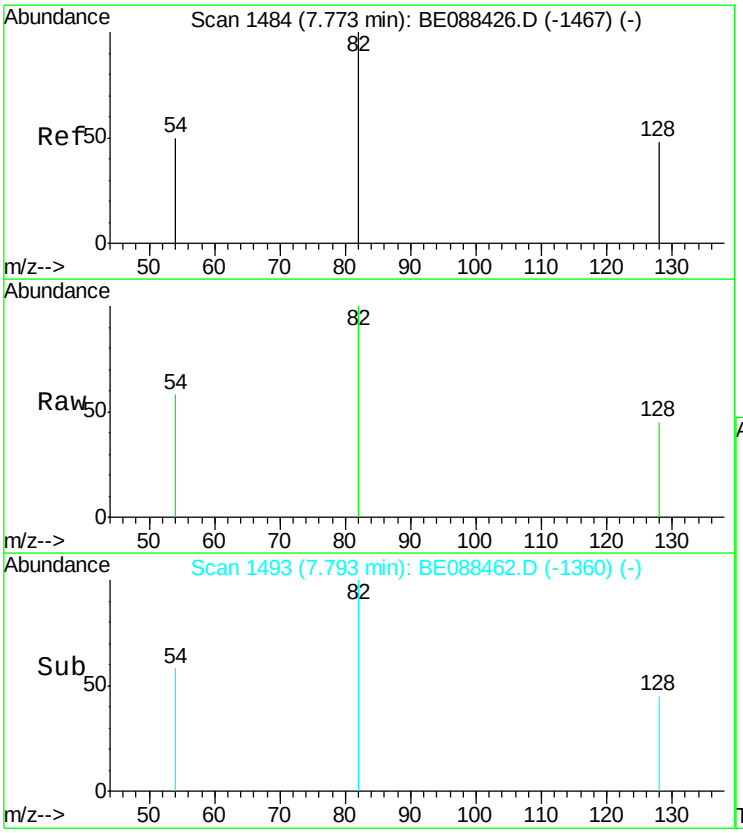
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:136 Resp: 232481

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	5.3	7.9#

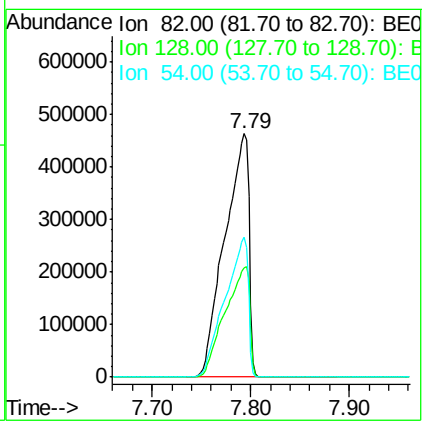


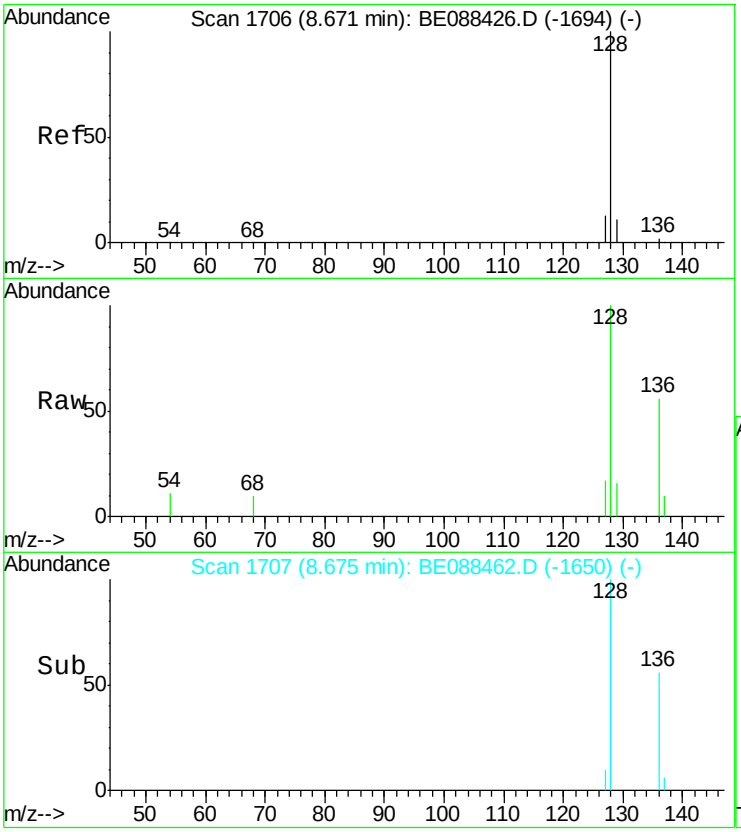


#4
Nitrobenzene-d5
Concen: 46.35 ng
RT: 7.79 min Scan# 1493
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion: 82 Resp: 790268

Ion	Ratio	Lower	Upper
82	100		
128	44.9	38.4	57.6
54	57.7	40.2	60.2



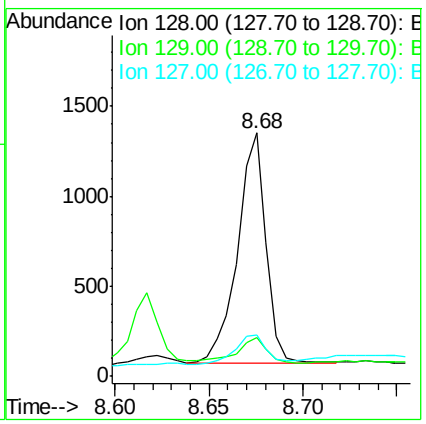


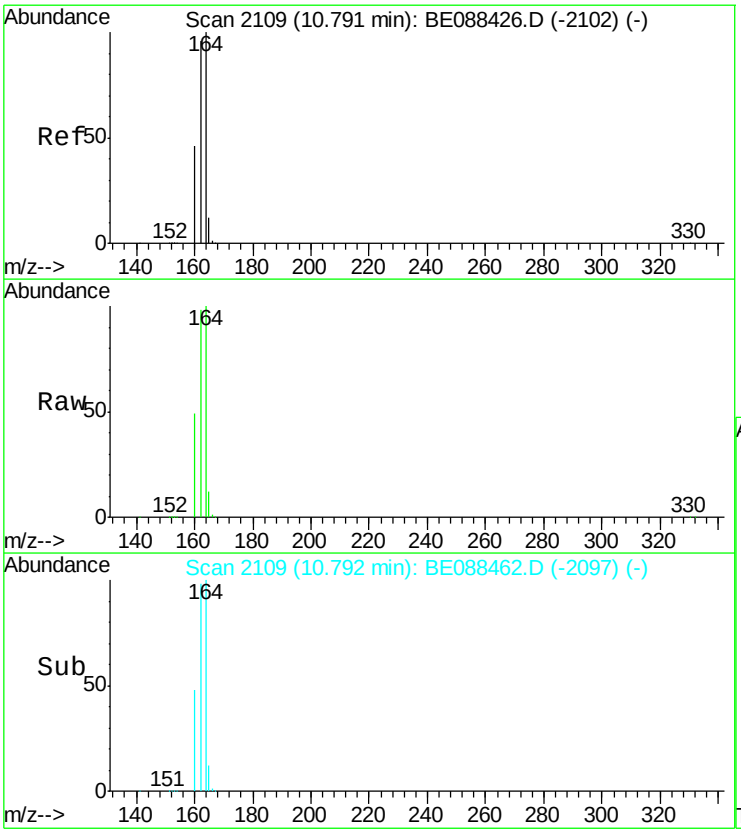
#5
Naphthalene
Concen: 0.03 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:128 Resp: 1356

Ion	Ratio	Lower	Upper
128	100		
129	16.0	8.6	12.8#
127	17.2	10.1	15.1#

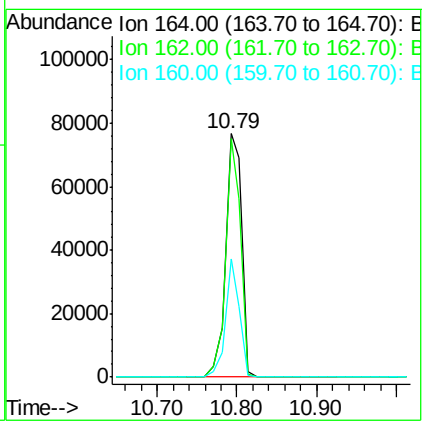


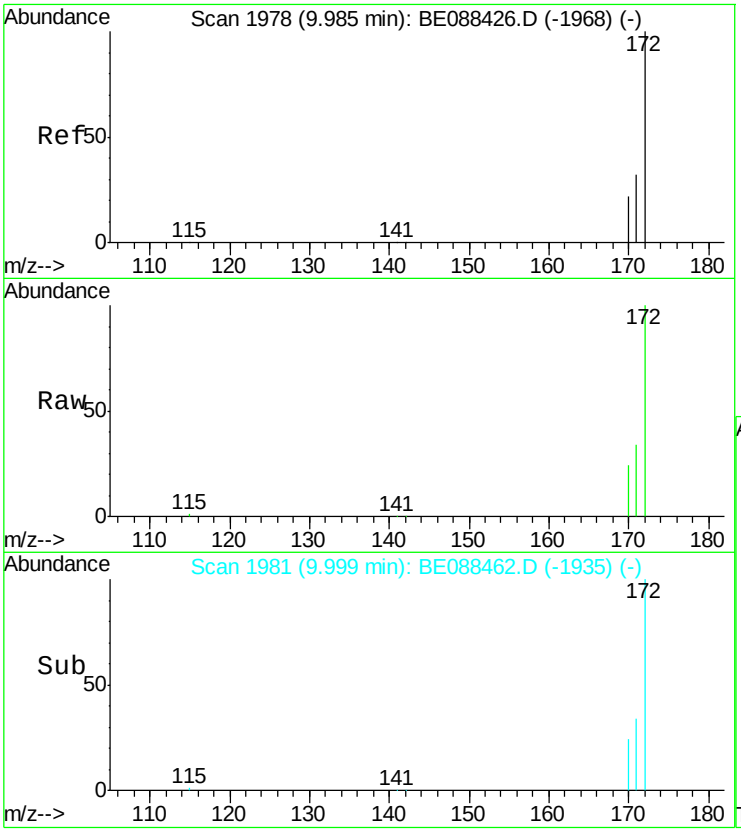


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:164 Resp: 109767

Ion	Ratio	Lower	Upper
164	100		
162	98.0	77.0	115.4
160	48.5	36.8	55.2



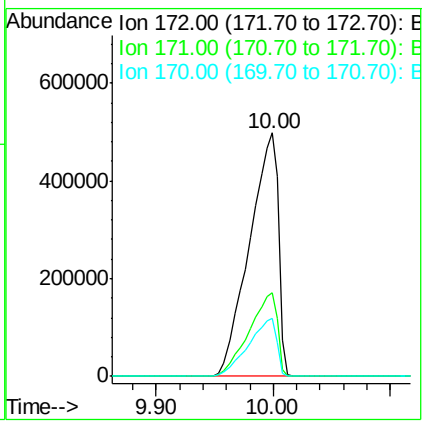


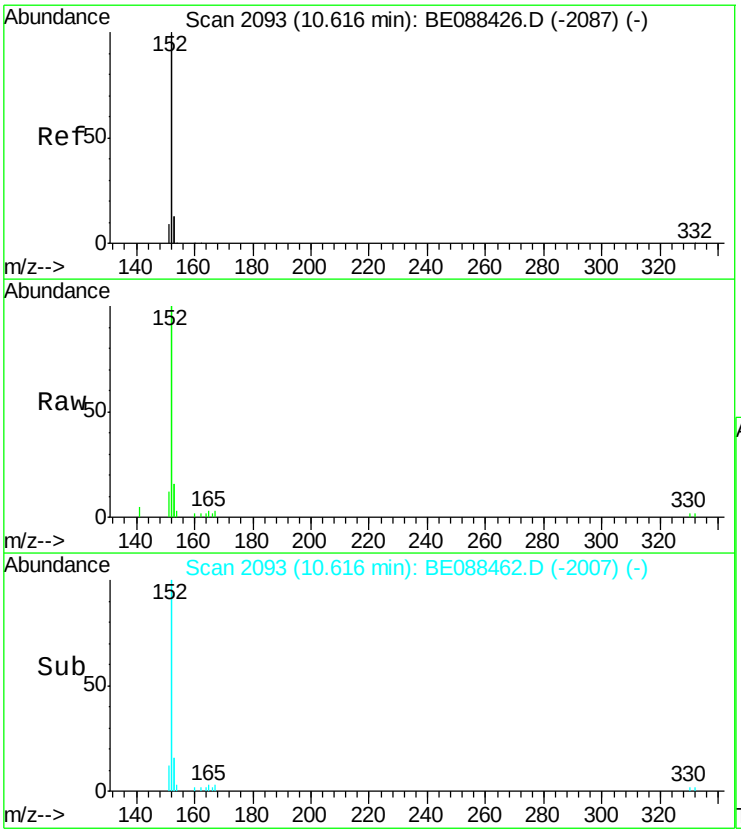
#8
2-Fluorobiphenyl
Concen: 27.71 ng
RT: 10.00 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:172 Resp: 857433

Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.0	39.0
170	23.7	17.6	26.4

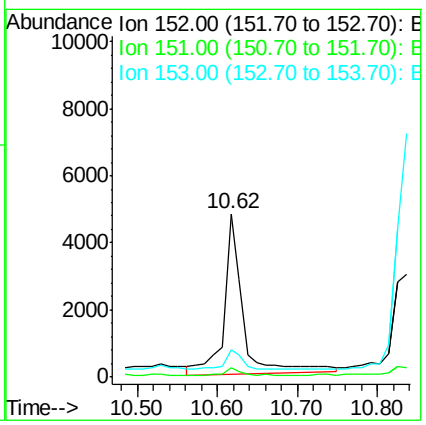


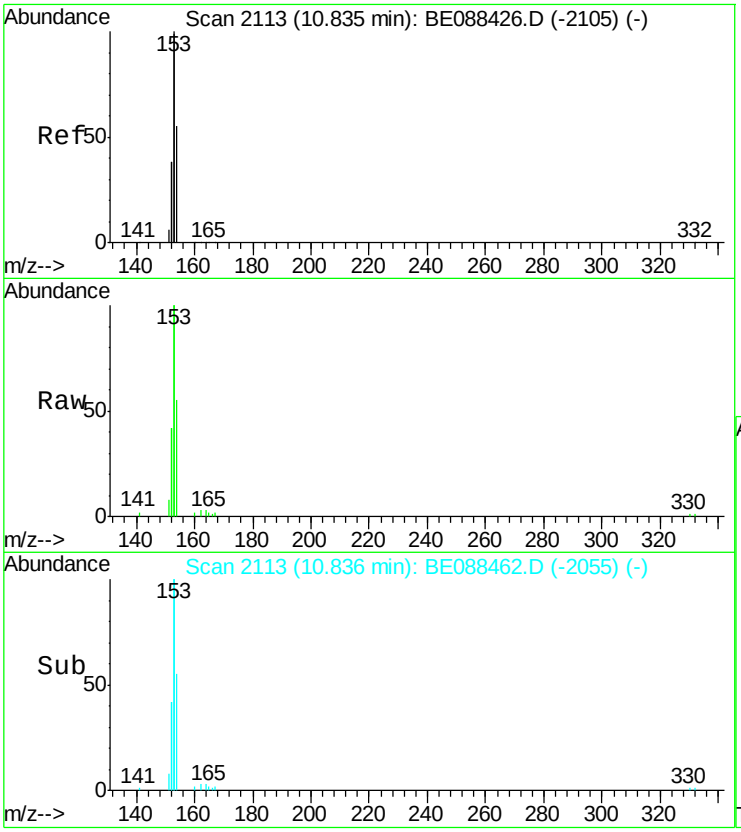


#9
Acenaphthylene
Concen: 0.04 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:152 Resp: 7851

Ion	Ratio	Lower	Upper
152	100		
151	3.5	4.4	6.6#
153	13.3	10.5	15.7



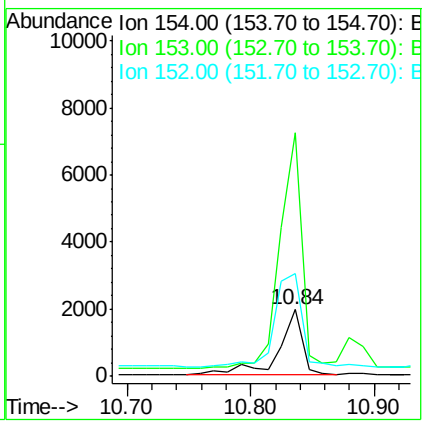


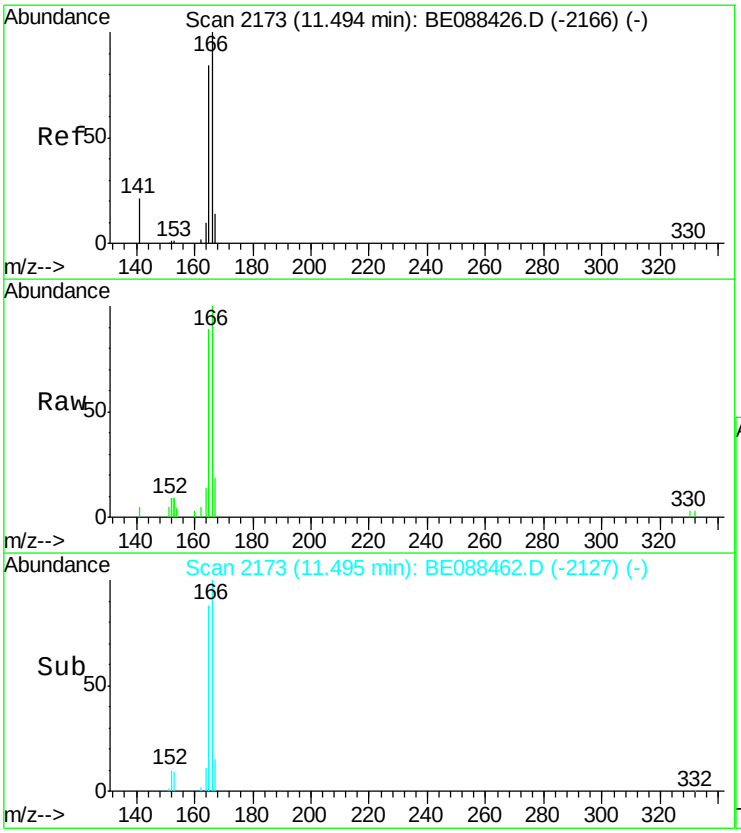
#10
Acenaphthene
Concen: 0.09 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:154 Resp: 2467

Ion	Ratio	Lower	Upper
154	100		
153	341.3	324.3	486.5
152	191.2	154.9	232.3

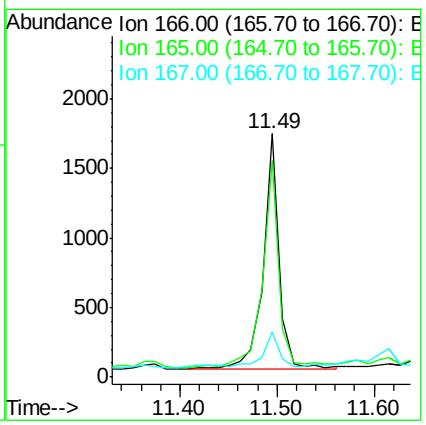


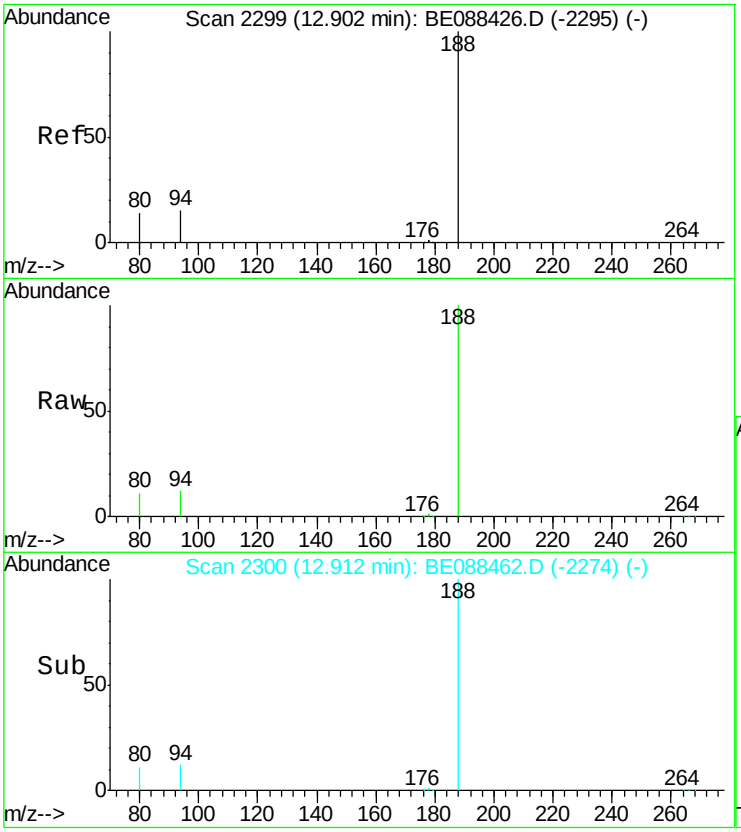


#11
Fluorene
Concen: 0.07 ng
RT: 11.49 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:166 Resp: 1935

Ion	Ratio	Lower	Upper
166	100		
165	92.6	71.3	106.9
167	17.9	10.7	16.1#



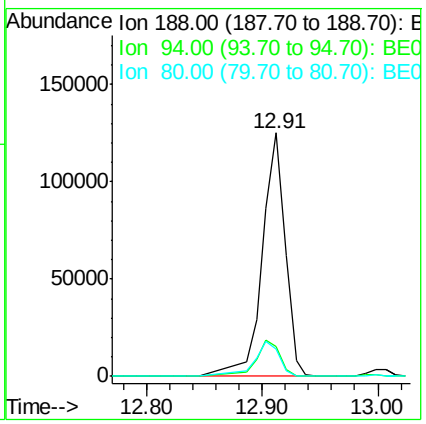


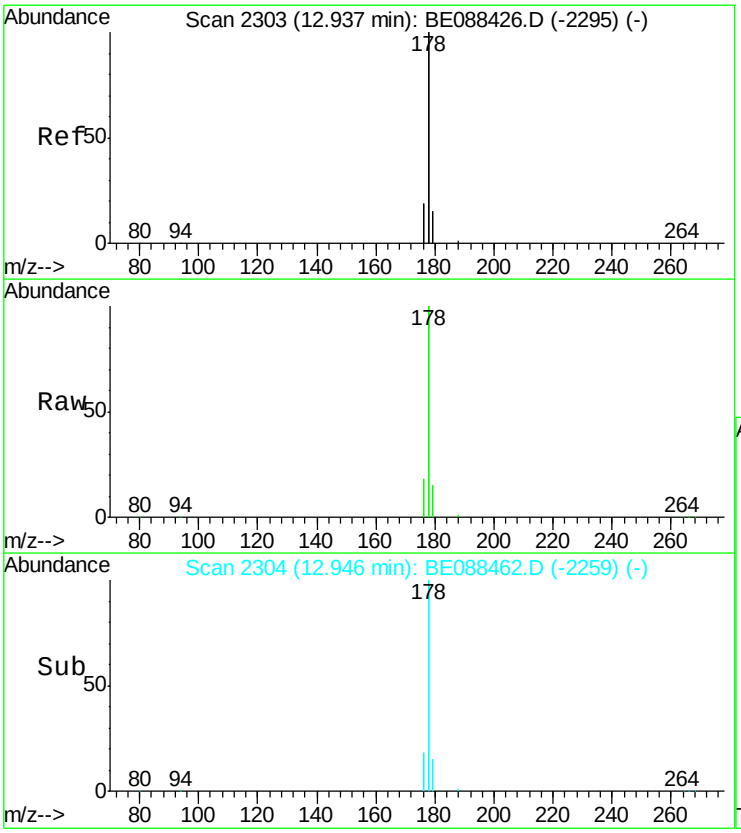
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:188 Resp: 225380

Ion	Ratio	Lower	Upper
188	100		
94	12.4	11.8	17.8
80	11.2	10.9	16.3

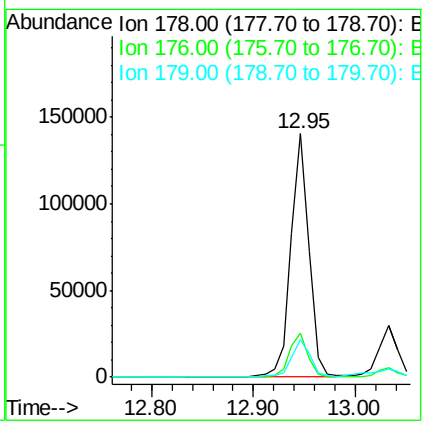


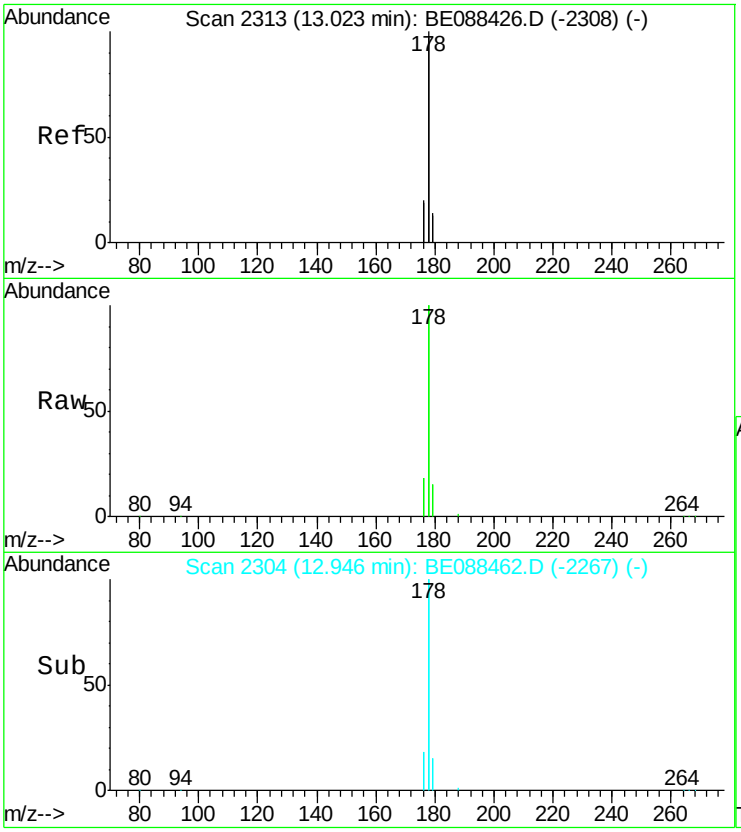


#13
Phenanthrene
Concen: 1.11 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:178 Resp: 226868

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.7	12.8	19.2



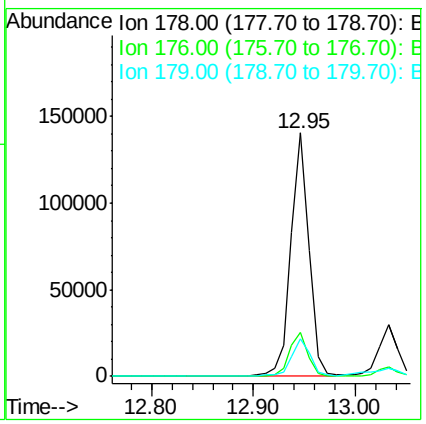


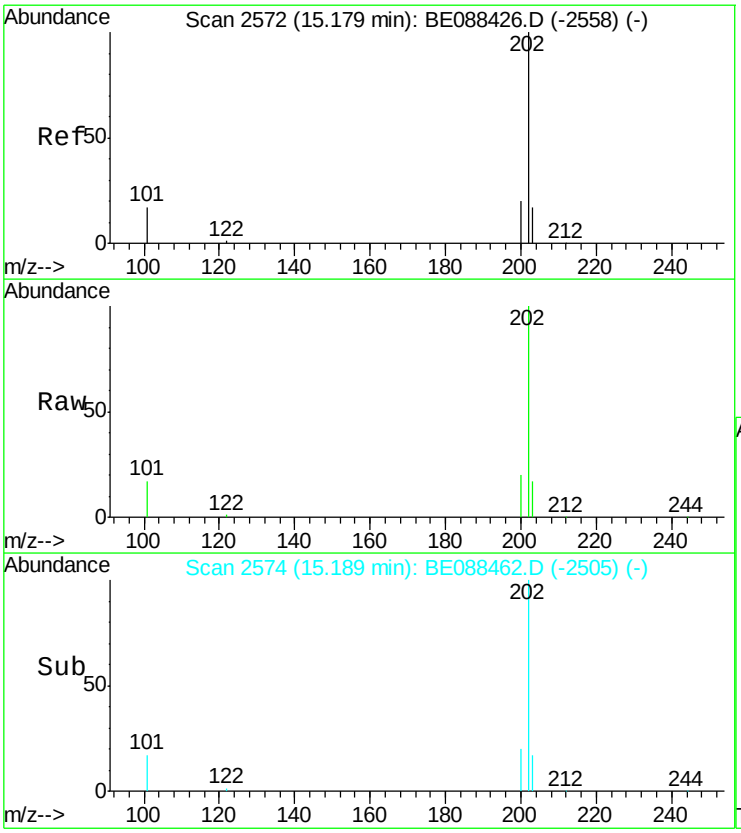
#14
Anthracene
Concen: 1.37 ng
RT: 12.95 min Scan# 2304
Delta R.T. -0.08 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:178 Resp: 226868

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	16.7	12.5	18.7

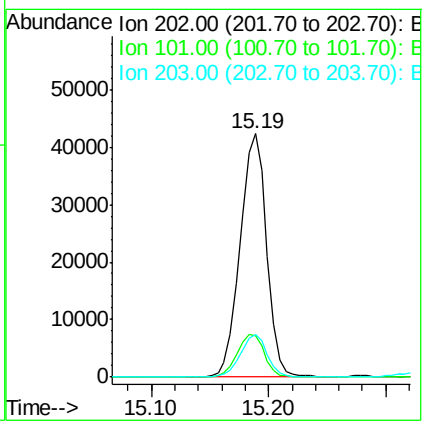


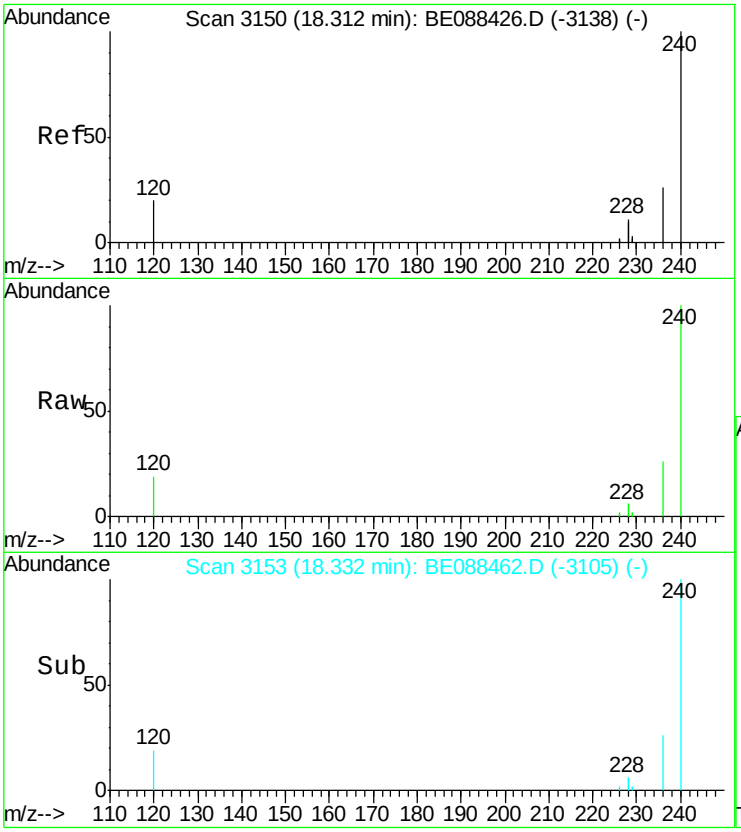


#15
Fluoranthene
Concen: 1.99 ng
RT: 15.19 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:202 Resp: 65997

Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.3	13.6	20.4



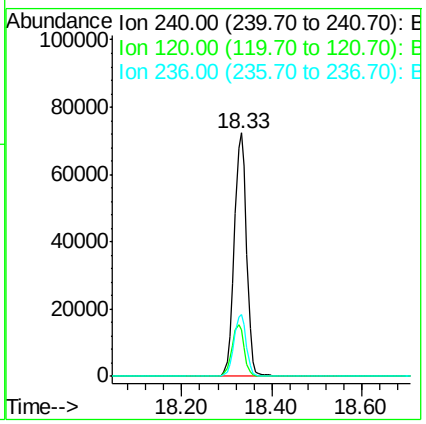


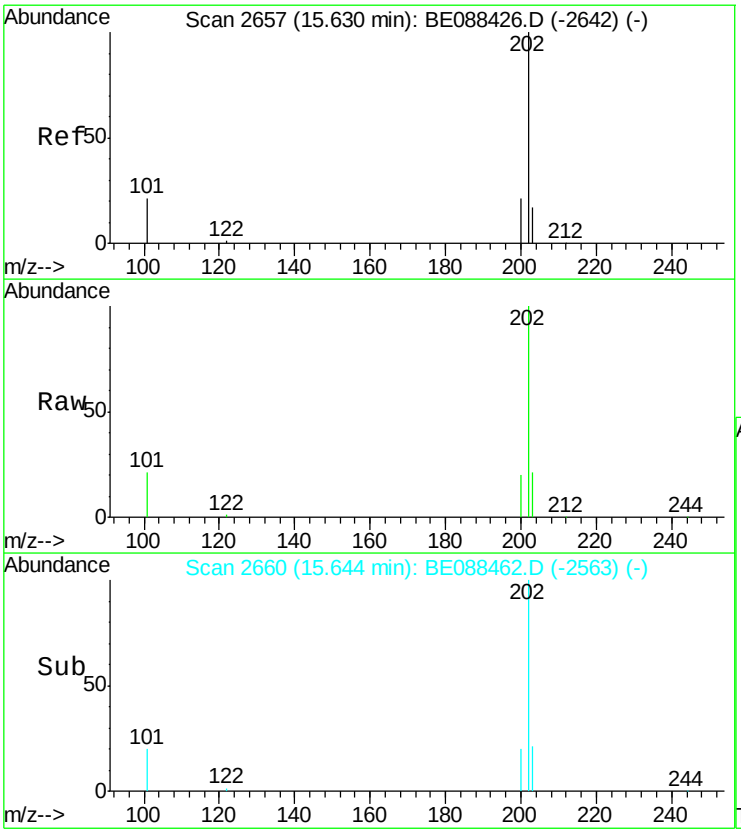
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.33 min Scan# 3153
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:240 Resp: 136496

Ion	Ratio	Lower	Upper
240	100		
120	19.0	16.4	24.6
236	25.7	20.5	30.7

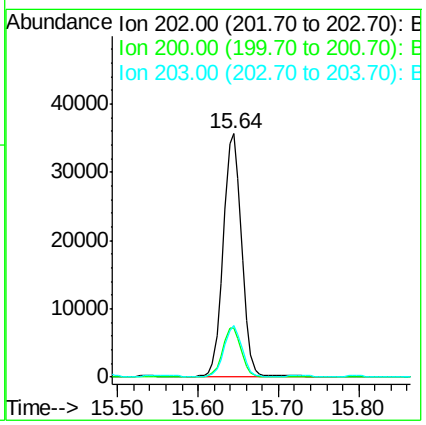


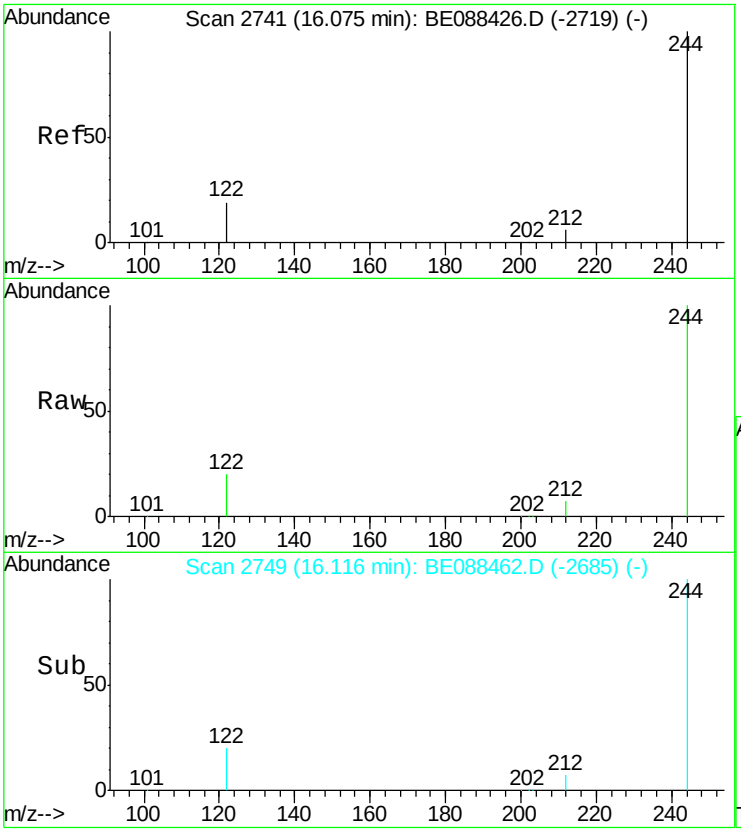


#17
Pyrene
Concen: 1.26 ng
RT: 15.64 min Scan# 2660
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:202 Resp: 55952

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



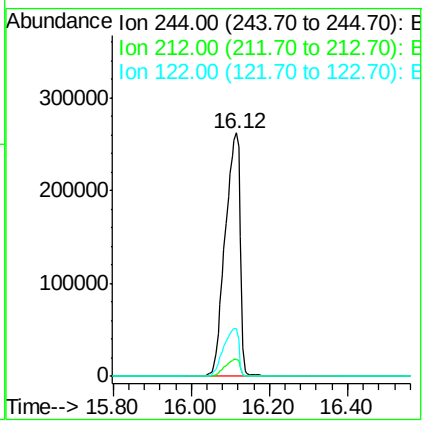


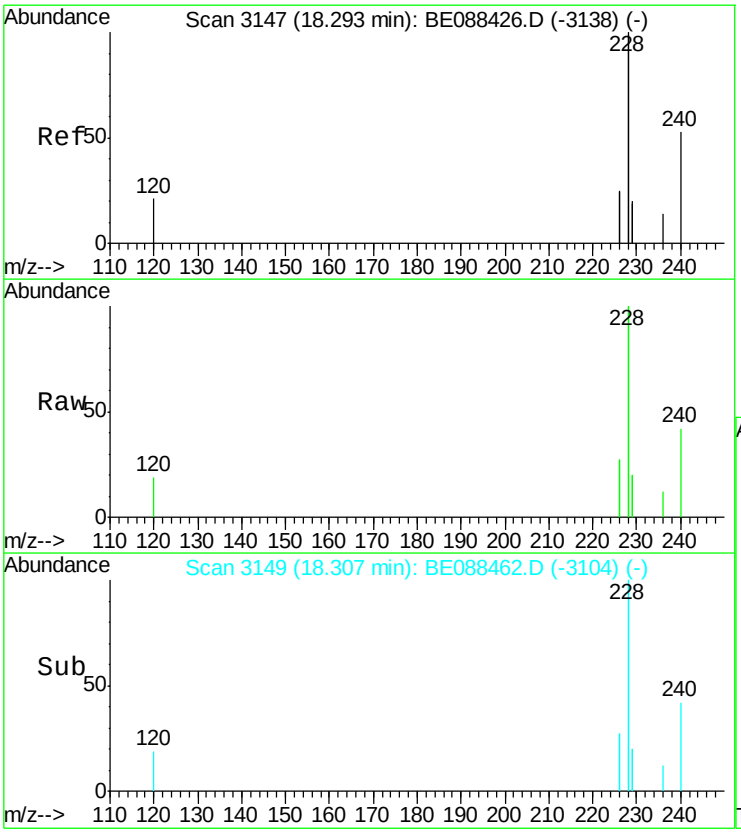
#18
Terphenyl-d14
Concen: 28.04 ng
RT: 16.12 min Scan# 2749
Delta R.T. 0.04 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:244 Resp: 703078

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

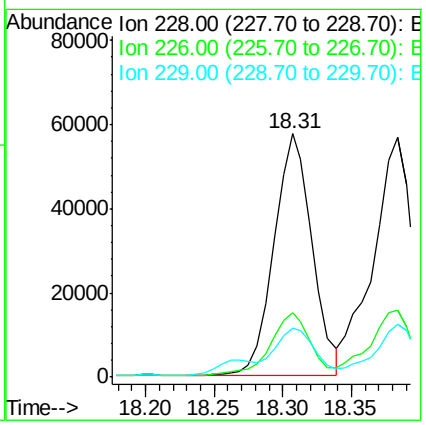


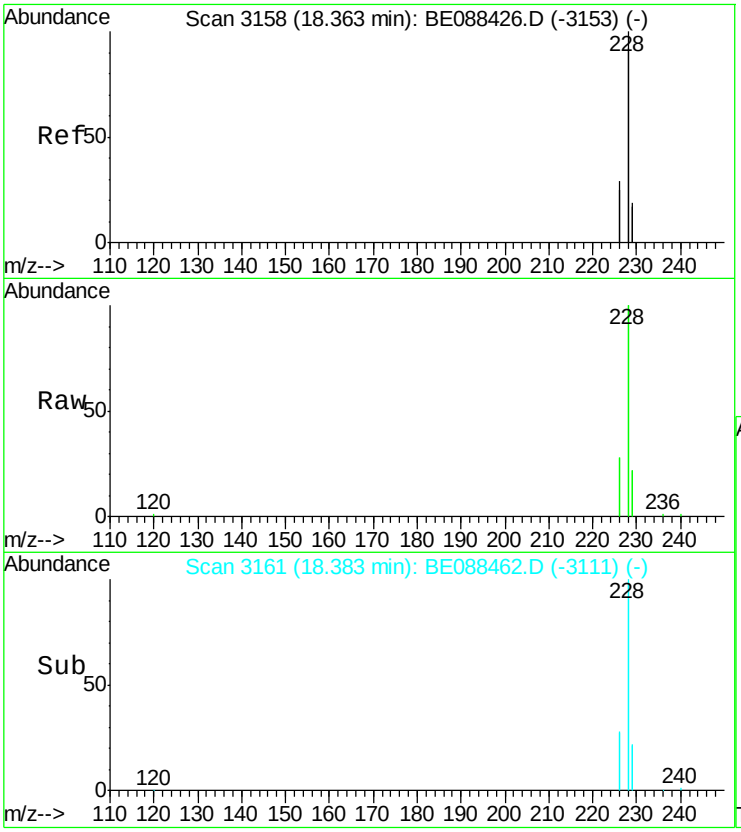


#19
Benzo(a)anthracene
Concen: 0.87 ng
RT: 18.31 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:228 Resp: 111196

Ion	Ratio	Lower	Upper
228	100		
226	26.5	19.8	29.6
229	20.2	16.0	24.0



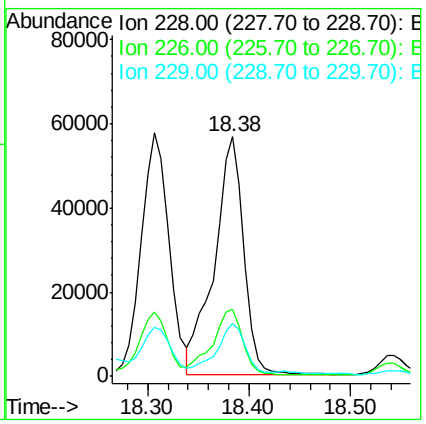


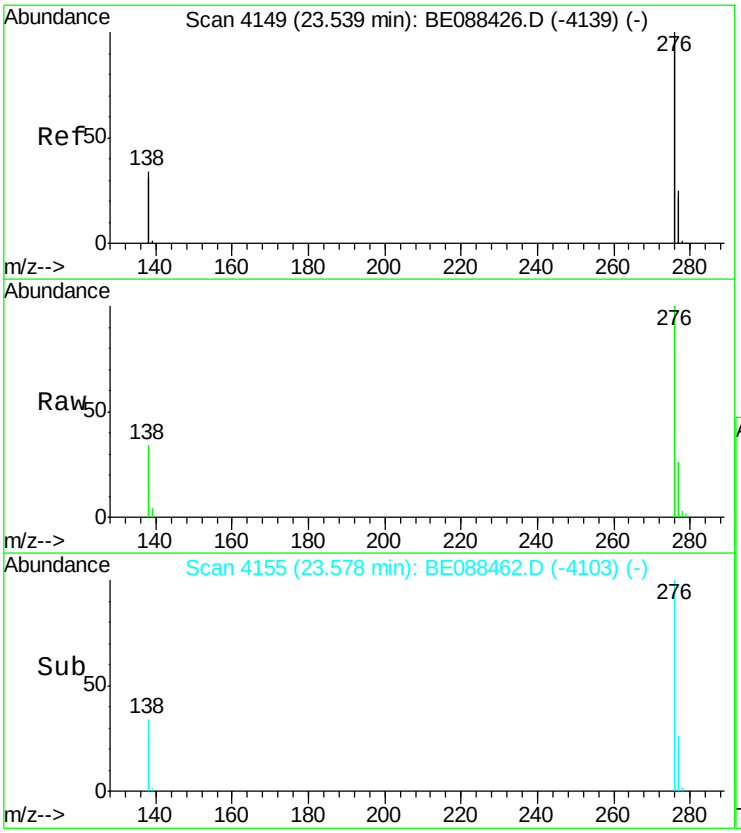
#20
Chrysene
Concen: 0.90 ng
RT: 18.38 min Scan# 3161
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:228 Resp: 113608

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.6	35.4
229	22.2	15.4	23.2

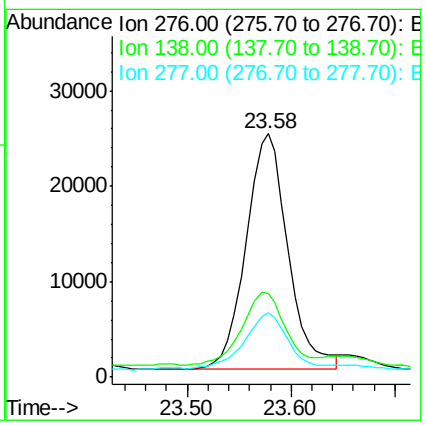


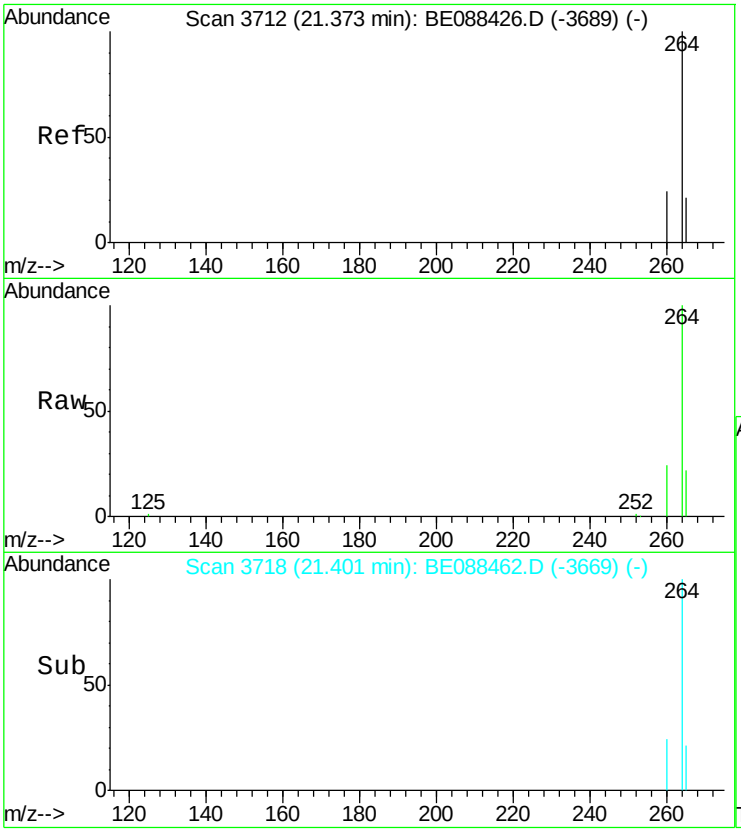


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.59 ng
RT: 23.58 min Scan# 4155
Delta R.T. 0.04 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:276 Resp: 69032

Ion	Ratio	Lower	Upper
276	100		
138	31.2	20.2	30.2#
277	24.4	14.8	22.2#



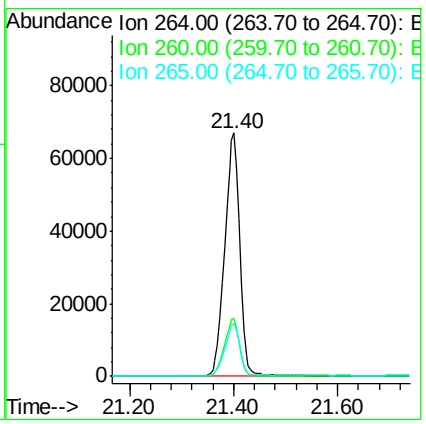


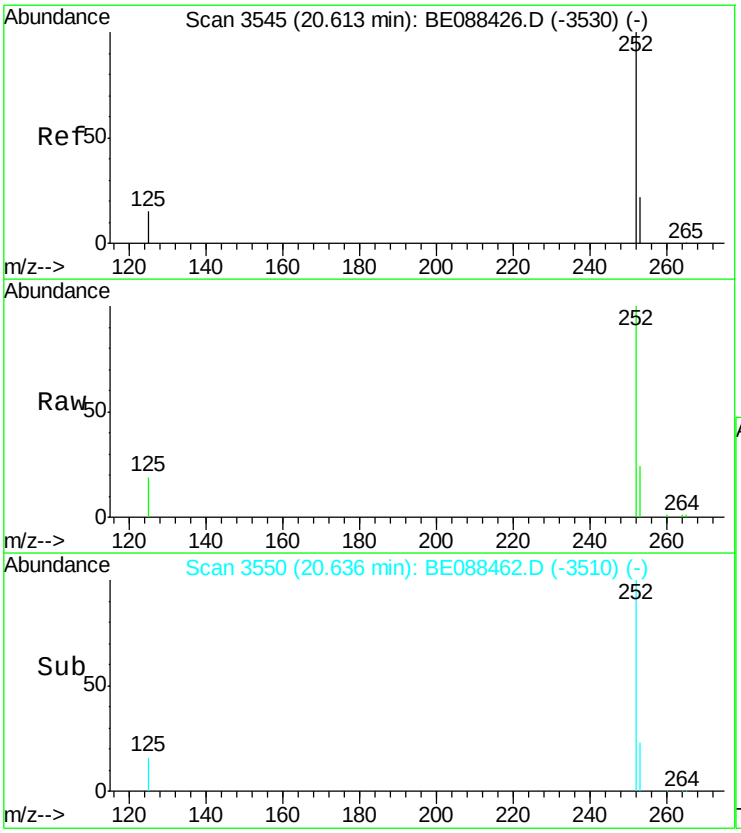
#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. 0.03 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:264 Resp: 133318

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.6	17.2	25.8

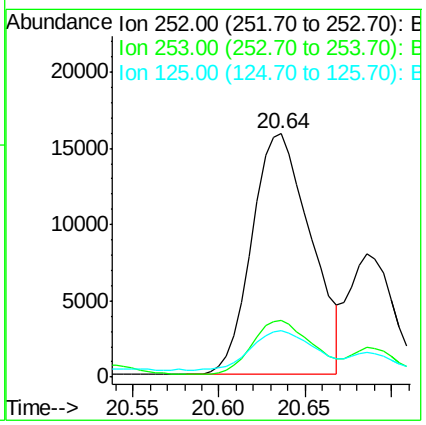


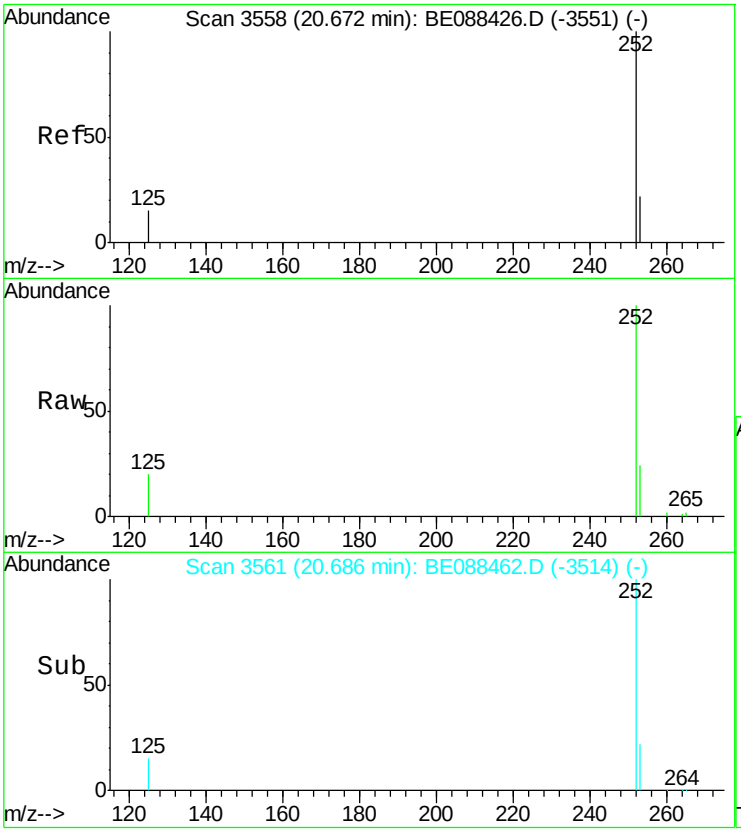


#23
Benzo(b)fluoranthene
Concen: 1.28 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:252 Resp: 37551

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	19.2	12.3	18.5#



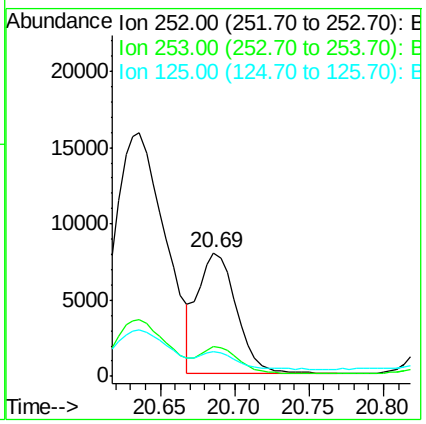


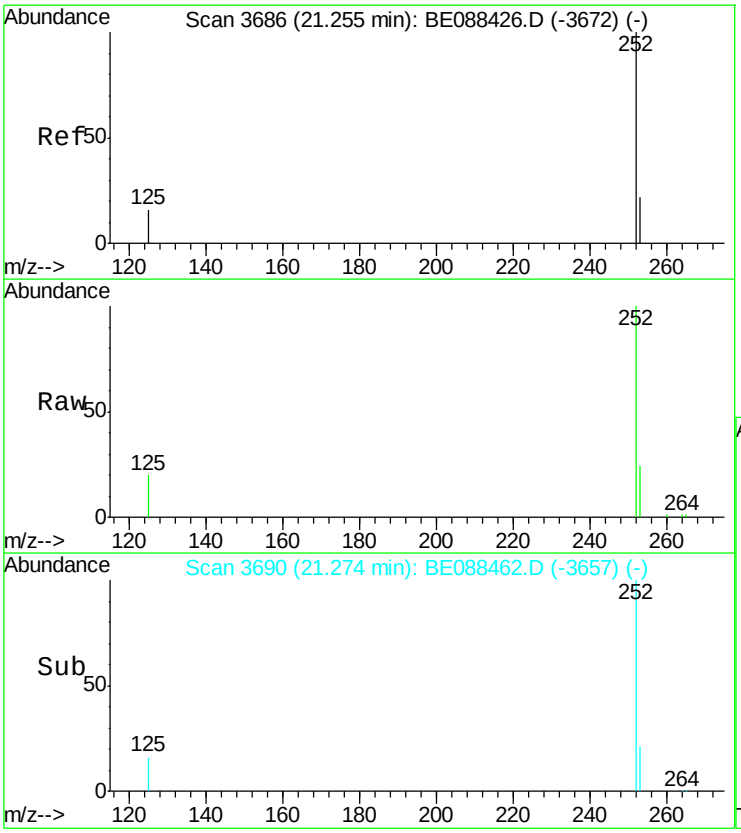
#24
Benzo(k)fluoranthene
Concen: 0.44 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:252 Resp: 14281

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	20.5	12.2	18.4#

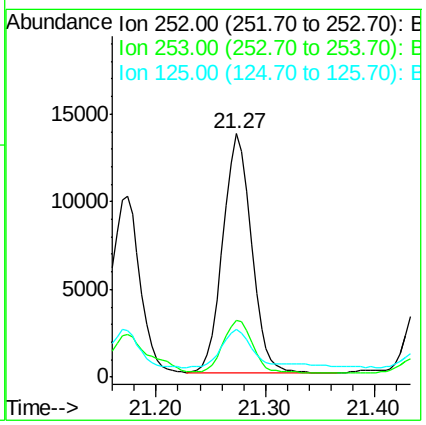


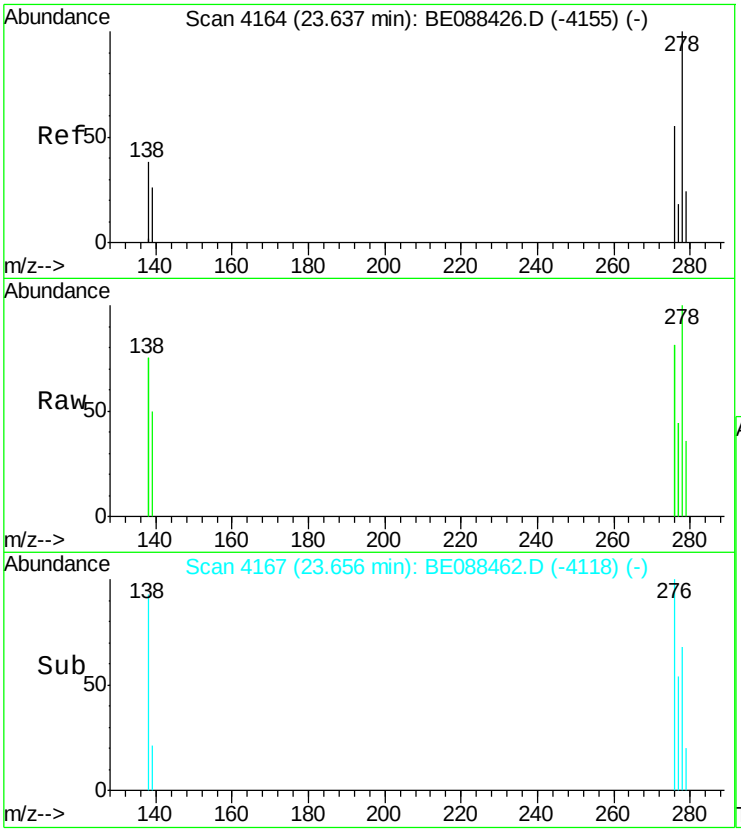


#25
Benzo(a)pyrene
Concen: 0.88 ng
RT: 21.27 min Scan# 3690
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:252 Resp: 24739

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	19.5	13.7	20.5



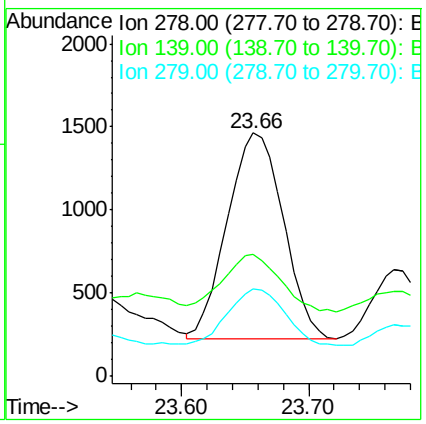


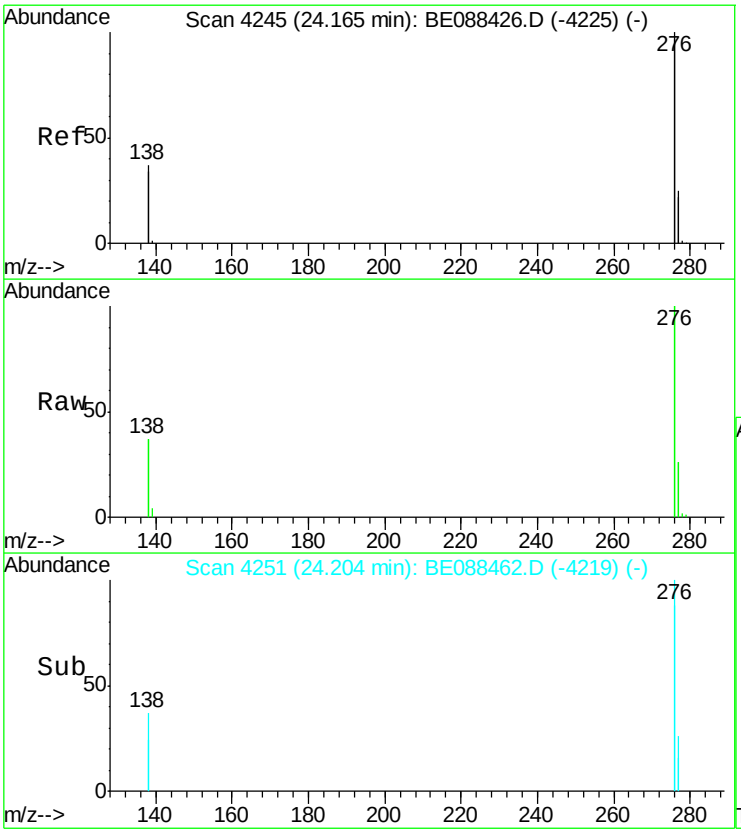
#26
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 23.66 min Scan# 4167
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion:278 Resp: 3792

Ion	Ratio	Lower	Upper
278	100		
139	50.1	22.1	33.1#
279	36.1	19.7	29.5#





#27
Benzo(g,h,i)perylene
Concen: 0.59 ng
RT: 24.20 min Scan# 4251
Delta R.T. 0.04 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion:276 Resp: 70181

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.8	29.6
138	37.3	29.3	43.9