Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088166.D
Acq On : 22 Oct 2014 5:47
Operator : TP/JJ
Sample : F4303-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SB04-1014DL

Quant Time: Oct 22 06:47:43 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	22265	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	87594	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	47456	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	90888	5.00	ng		0.00
16) Chrysene-d12	18.38	240	52385	5.00	ng		0.00
22) Perylene-d12	21.44	264	43814	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.83	82	82478	13.06	ng		0.00
8) 2-Fluorobiphenyl	10.04	172	132465	10.11	ng		0.00
18) Terphenyl-d14	16.15	244	103789	12.31	ng		0.00
Target Compounds							Qvalue
9) Acenaphthylene	10.67	152	5219	0.07	ng		99
10) Acenaphthene	10.88	154	1563	0.14	ng		88
11) Fluorene	11.55	166	1718	0.15	ng		97
13) Phenanthrene	13.01	178	136434	1.90	ng		95
14) Anthracene	13.09	178	29190	0.41	ng		97
15) Fluoranthene	15.25	202	56476	3.27	ng		99
17) Pyrene	15.70	202	49407	3.47	ng		96
19) Benzo(a)anthracene	18.36	228	80366	1.73	ng		98
20) Chrysene	18.44	228	84081	1.84	ng		97
21) Indeno(1,2,3-cd)pyrene	23.63	276	32385	0.64	ng	#	89
23) Benzo(b)fluoranthene	20.69	252	17713	1.70	ng		98
24) Benzo(k)fluoranthene	20.74	252	7544	0.68	ng		97
25) Benzo(a)pyrene	21.32	252	12673	1.32	ng		98
26) Dibenzo(a,h)anthracene	23.72	278	1781	0.19	ng	#	84
27) Benzo(g,h,i)perylene	24.26	276	30885	0.74	ng		98

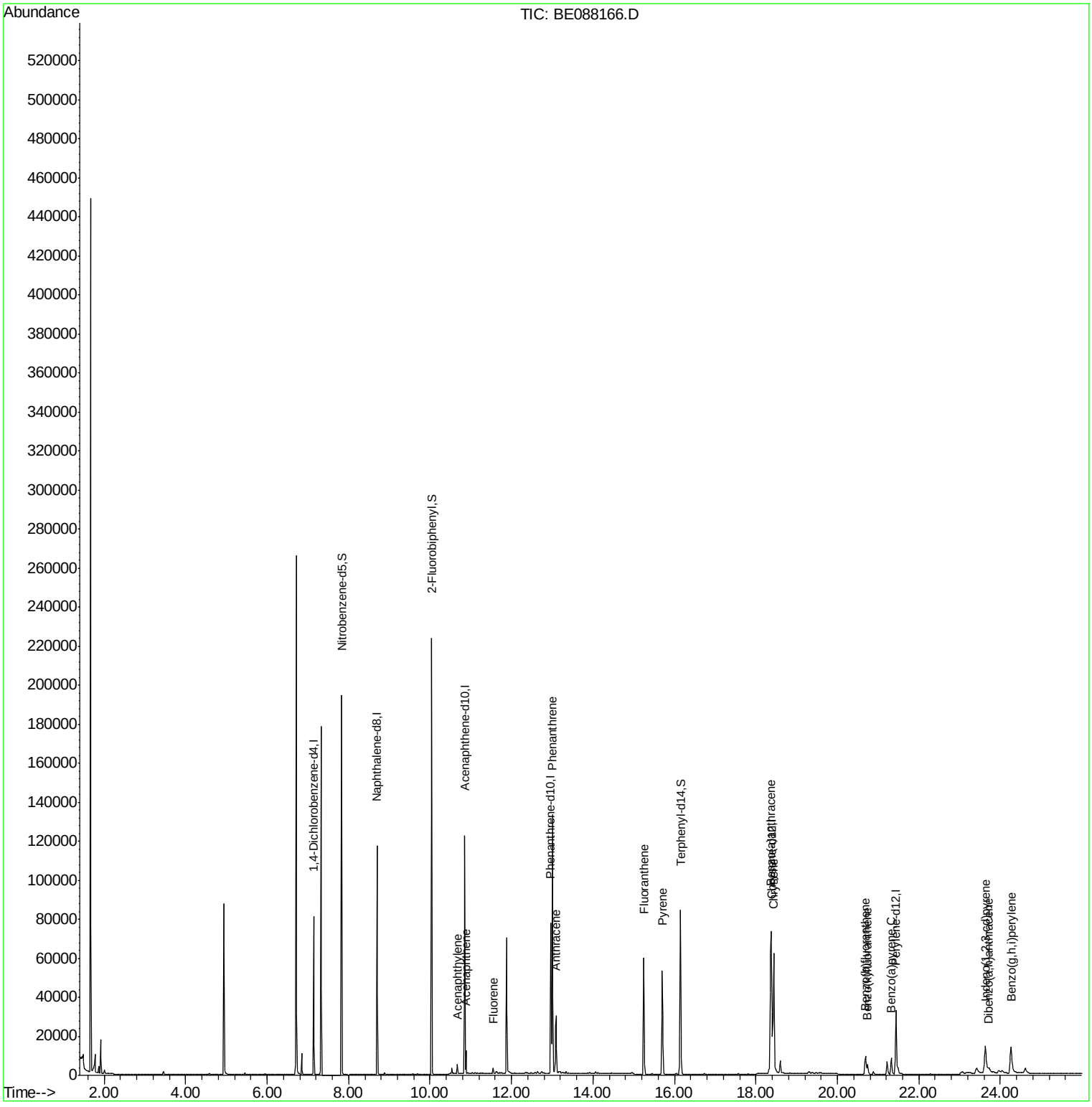
(#) = qualifier out of range (m) = manual integration (+) = signals summed

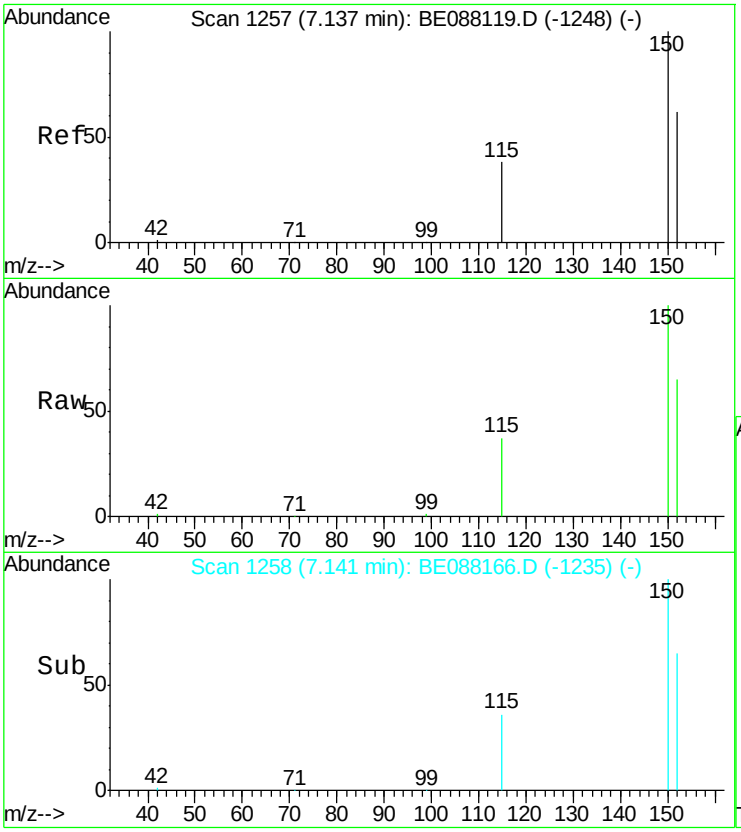
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088166.D
Acq On : 22 Oct 2014 5:47
Operator : TP/JJ
Sample : F4303-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Quant Time: Oct 22 06:47:43 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



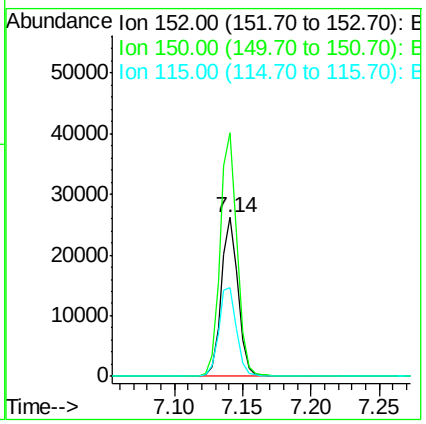


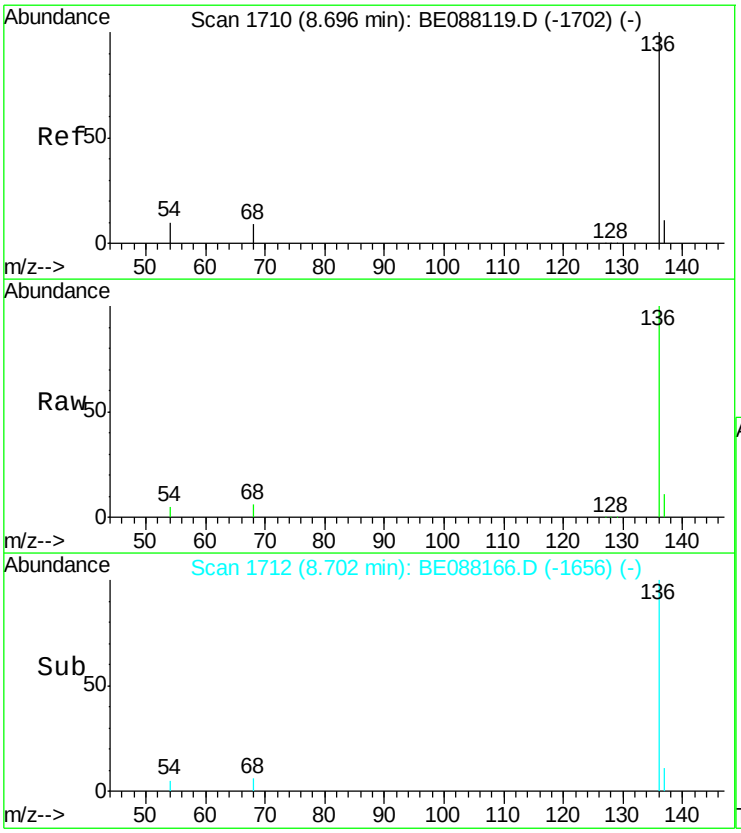
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:152 Resp: 22265

Ion	Ratio	Lower	Upper
152	100		
150	153.4	129.2	193.8
115	56.0	49.3	73.9

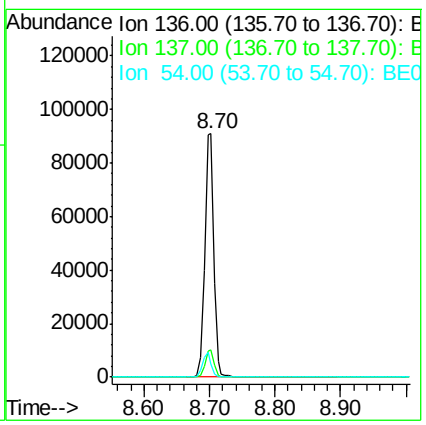


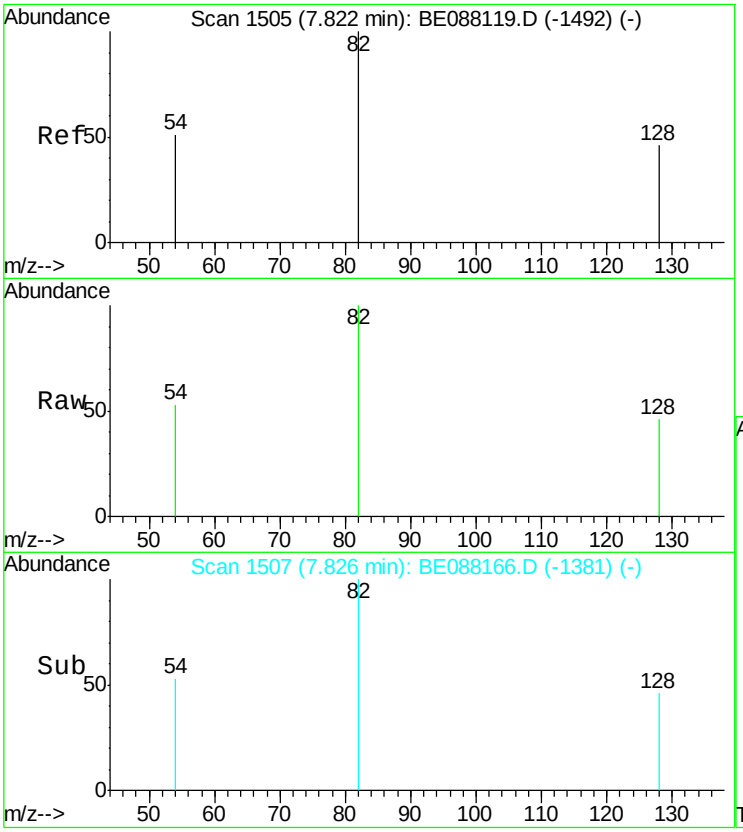


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:136 Resp: 87594

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	5.4	7.7	11.5#



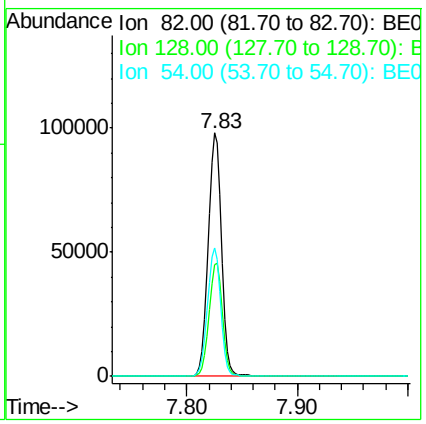


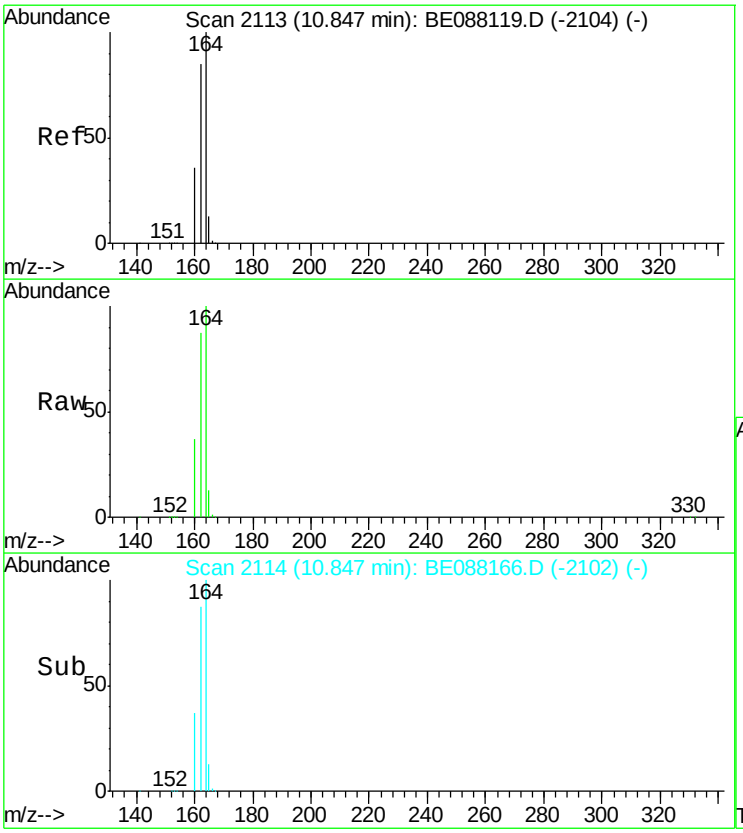
#4
Nitrobenzene-d5
Concen: 13.06 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion: 82 Resp: 82478

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.1	55.7
54	52.9	41.1	61.7

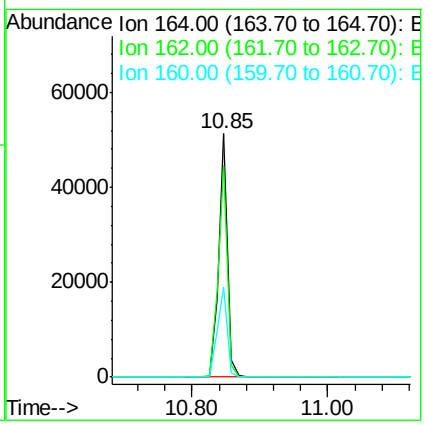


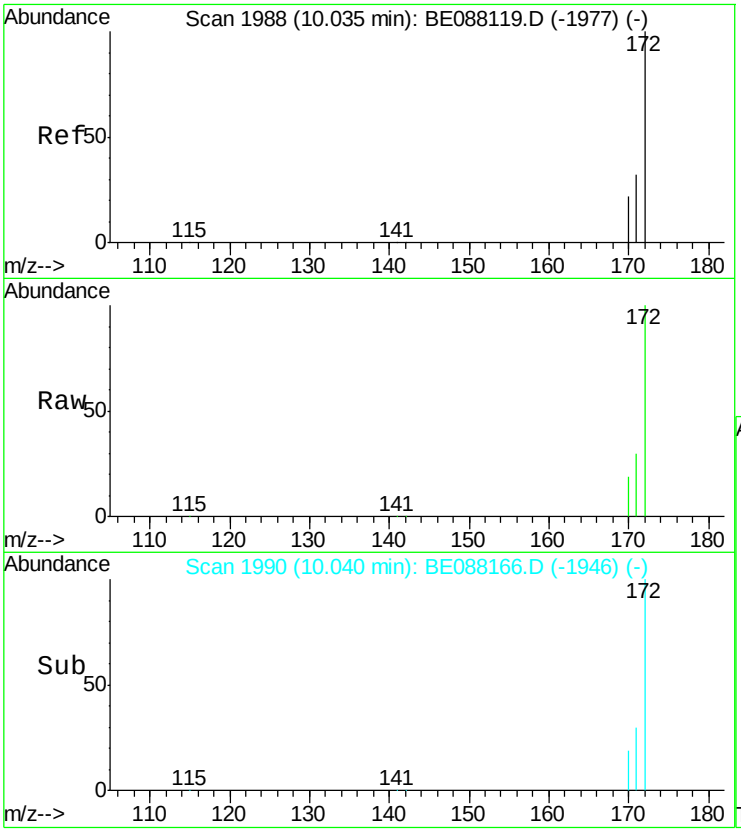


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:164 Resp: 47456

Ion	Ratio	Lower	Upper
164	100		
162	86.7	68.3	102.5
160	37.0	28.7	43.1



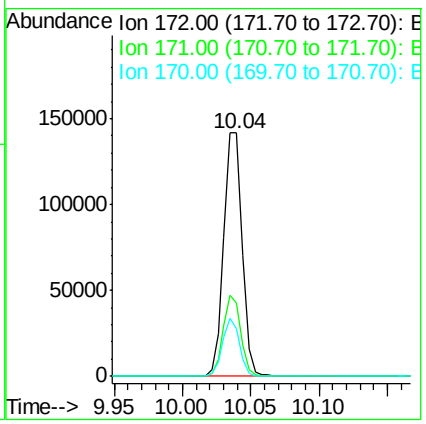


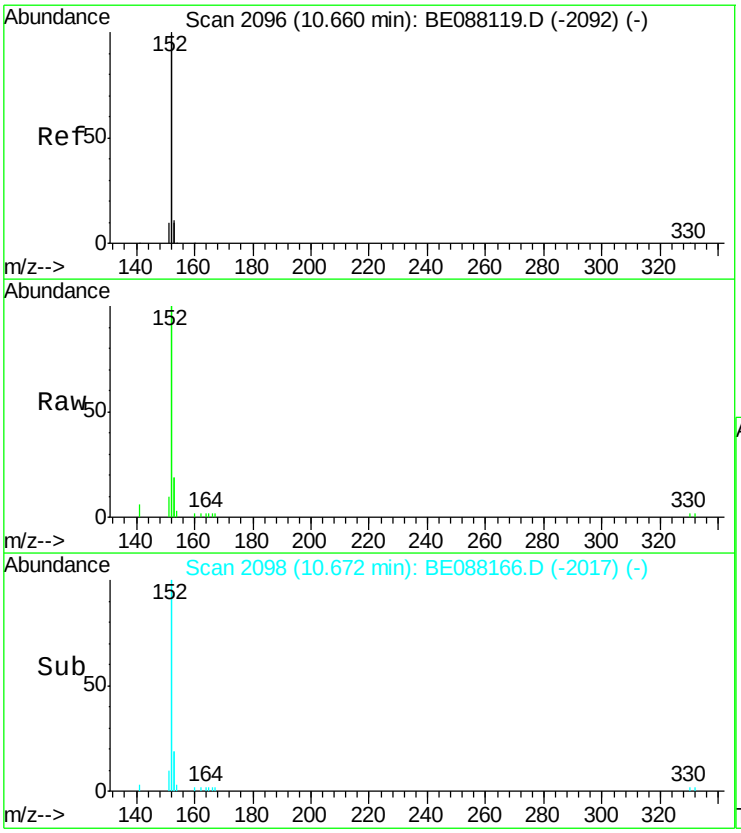
#8
2-Fluorobiphenyl
Concen: 10.11 ng
RT: 10.04 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:172 Resp: 132465

Ion	Ratio	Lower	Upper
172	100		
171	30.4	25.4	38.2
170	19.4	17.4	26.2

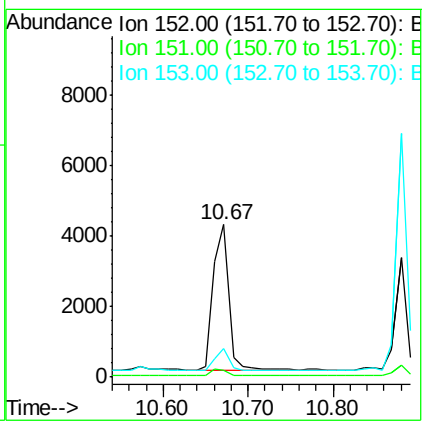


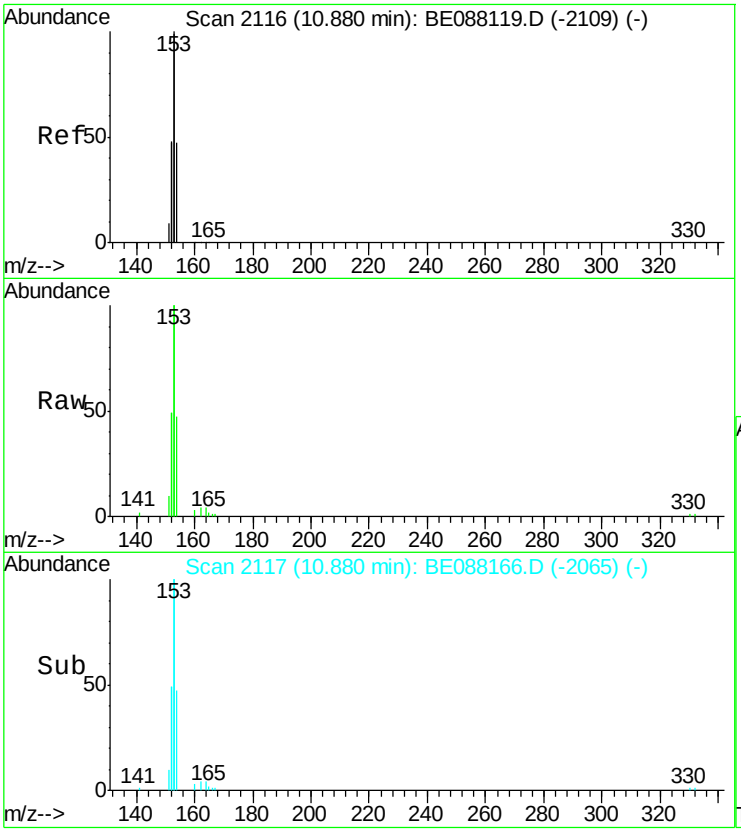


#9
Acenaphthylene
Concen: 0.07 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:152 Resp: 5219

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.7	10.4	15.6



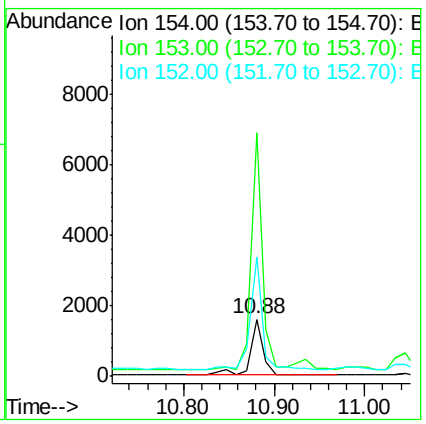


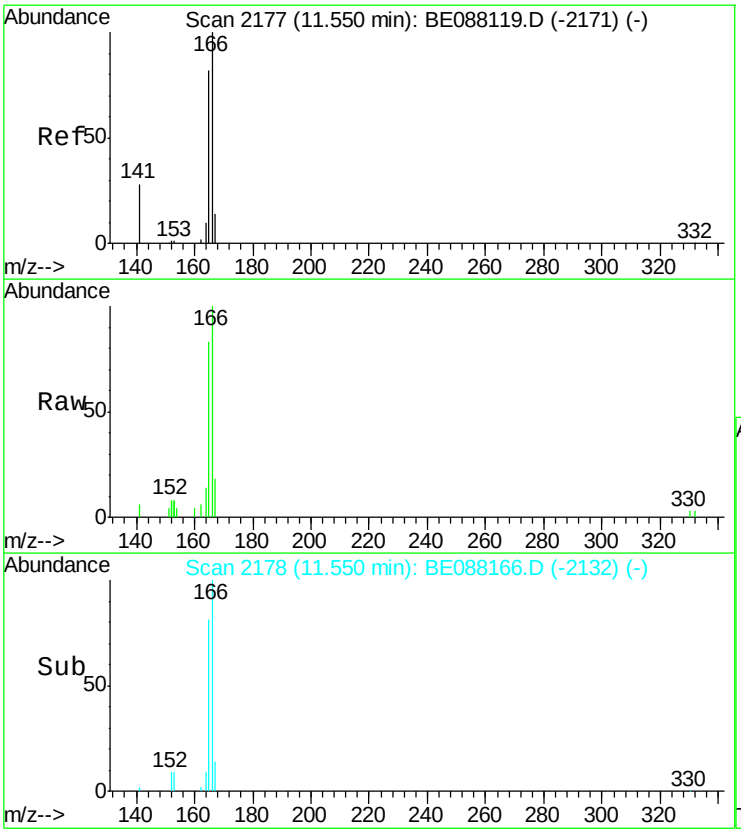
#10
Acenaphthene
Concen: 0.14 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:154 Resp: 1563

Ion	Ratio	Lower	Upper
154	100		
153	369.9	327.8	491.6
152	200.6	157.6	236.4

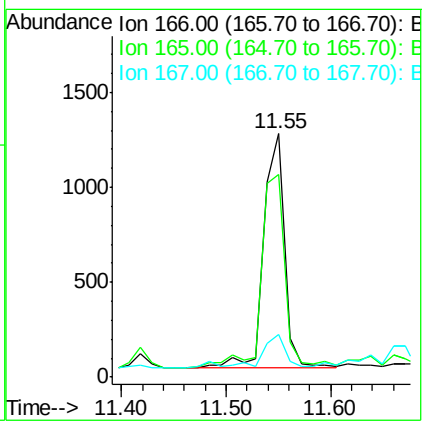


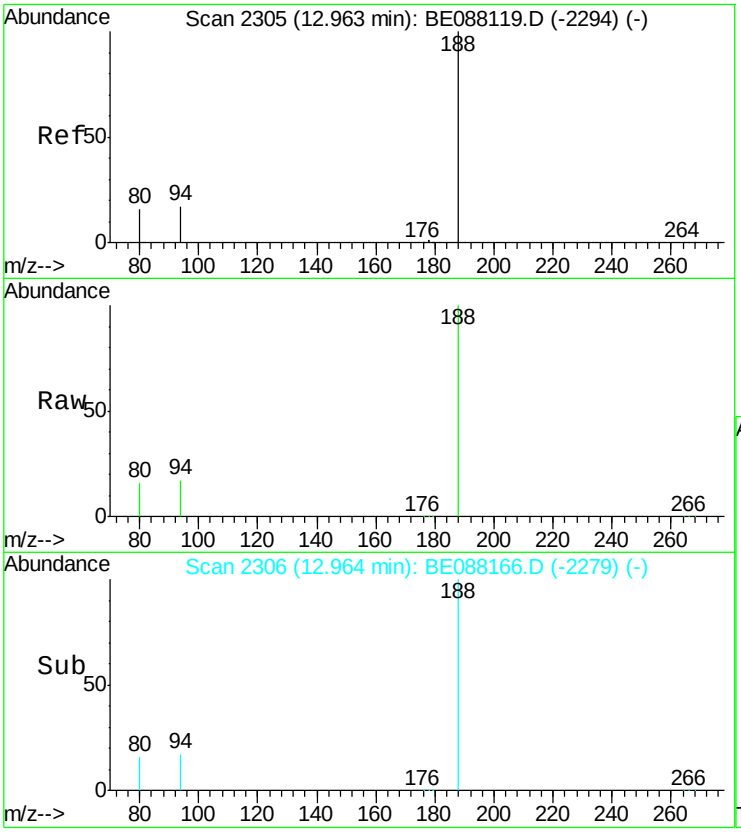


#11
Fluorene
Concen: 0.15 ng
RT: 11.55 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:166 Resp: 1718

Ion	Ratio	Lower	Upper
166	100		
165	92.5	71.4	107.2
167	14.4	10.6	16.0



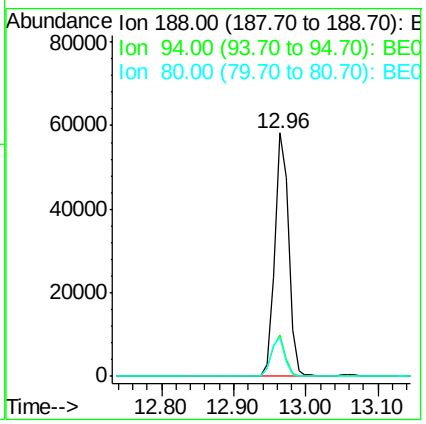


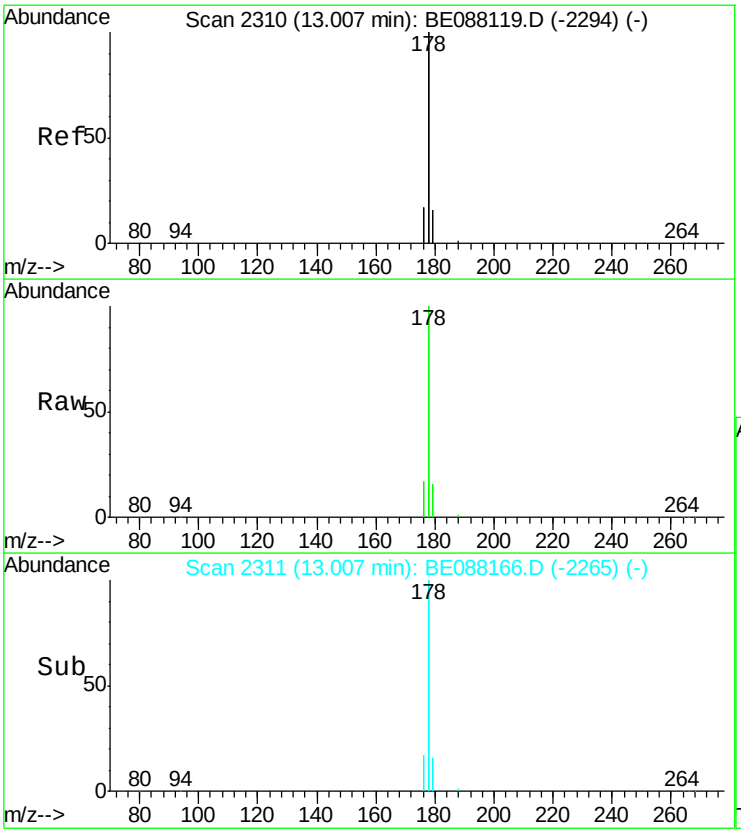
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:188 Resp: 90888

Ion	Ratio	Lower	Upper
188	100		
94	16.8	13.9	20.9
80	15.9	12.9	19.3

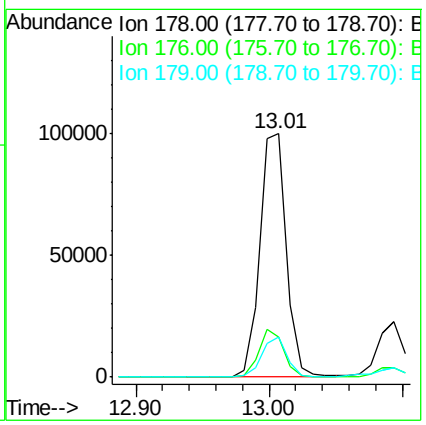


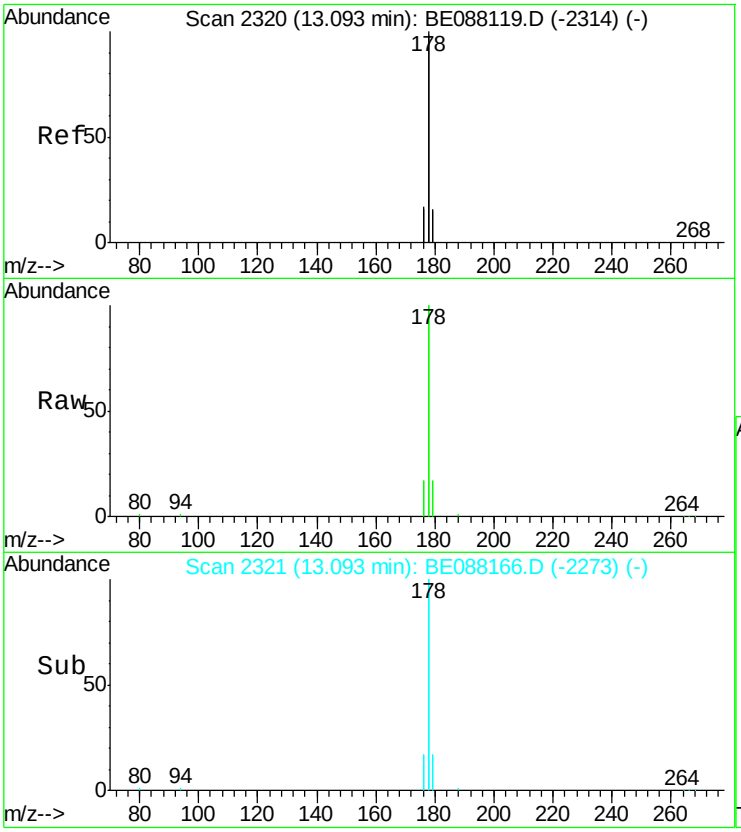


#13
Phenanthrene
Concen: 1.90 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:178 Resp: 136434

Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.5	18.7
179	15.4	13.5	20.3



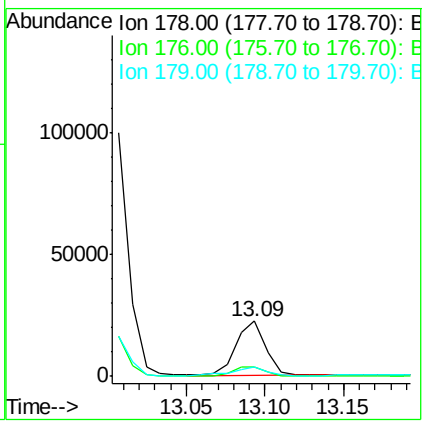


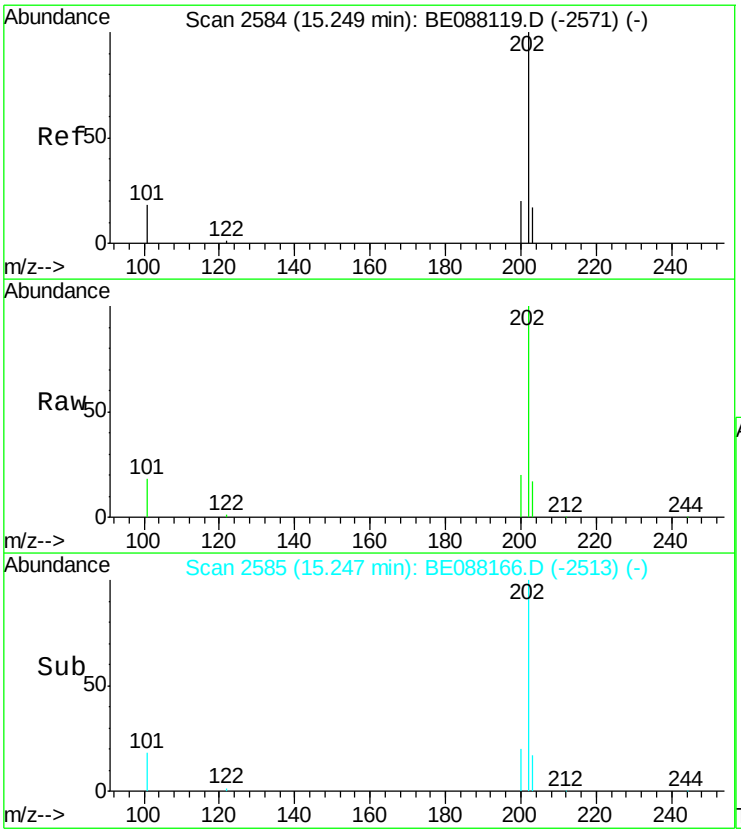
#14
Anthracene
Concen: 0.41 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:178 Resp: 29190

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	18.3	12.5	18.7

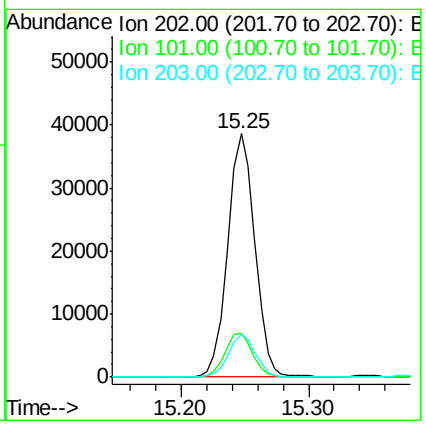


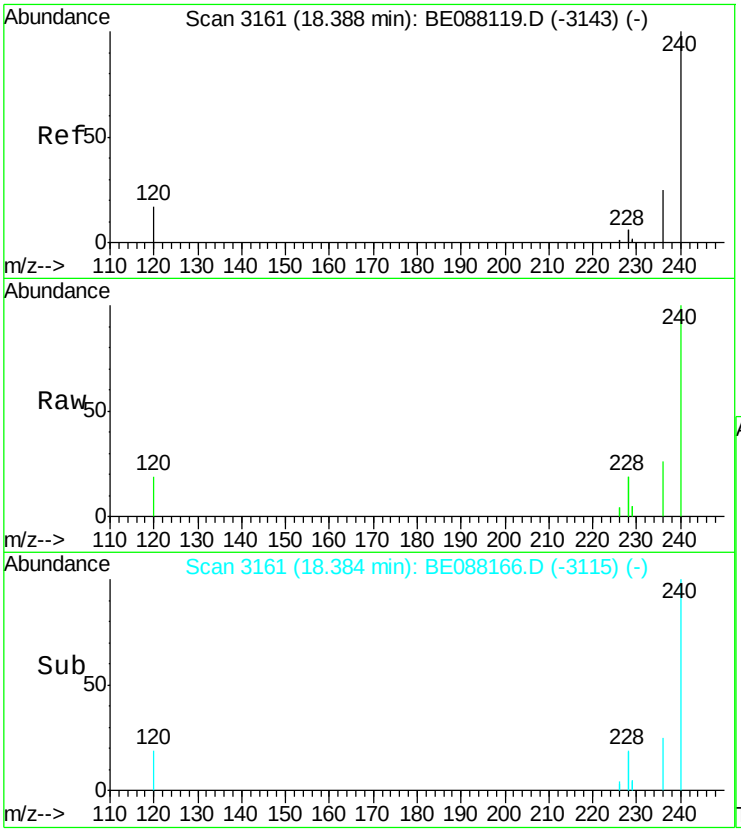


#15
Fluoranthene
Concen: 3.27 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:202 Resp: 56476

Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.8	22.2
203	17.2	13.5	20.3



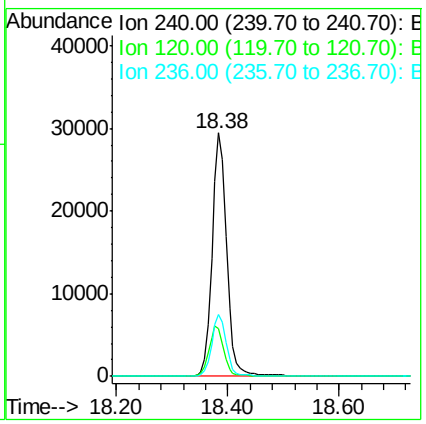


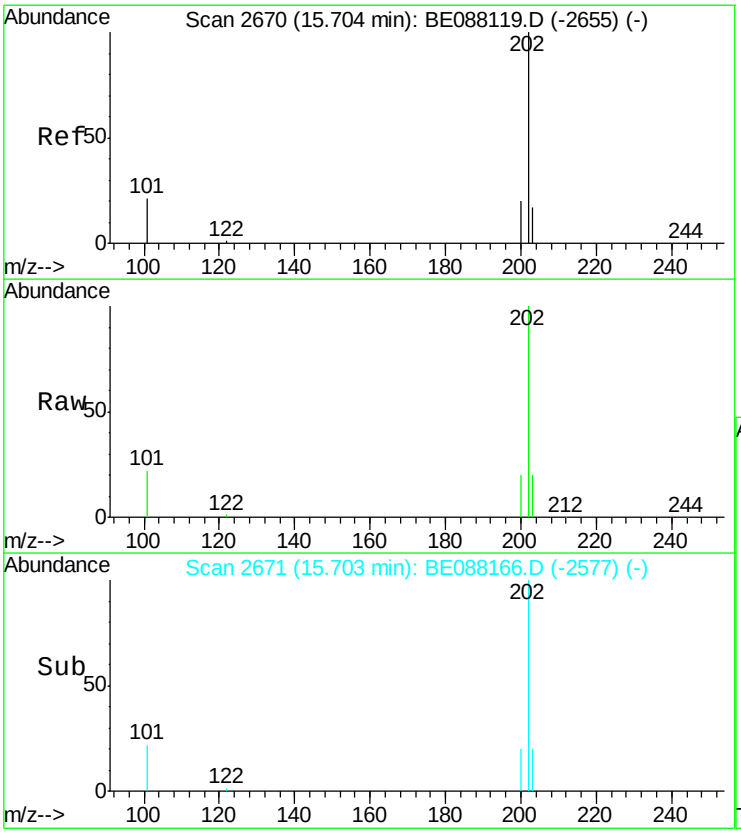
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:240 Resp: 52385

Ion	Ratio	Lower	Upper
240	100		
120	19.5	13.9	20.9
236	25.6	19.9	29.9

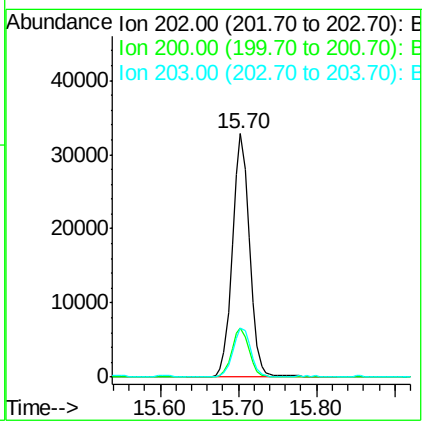


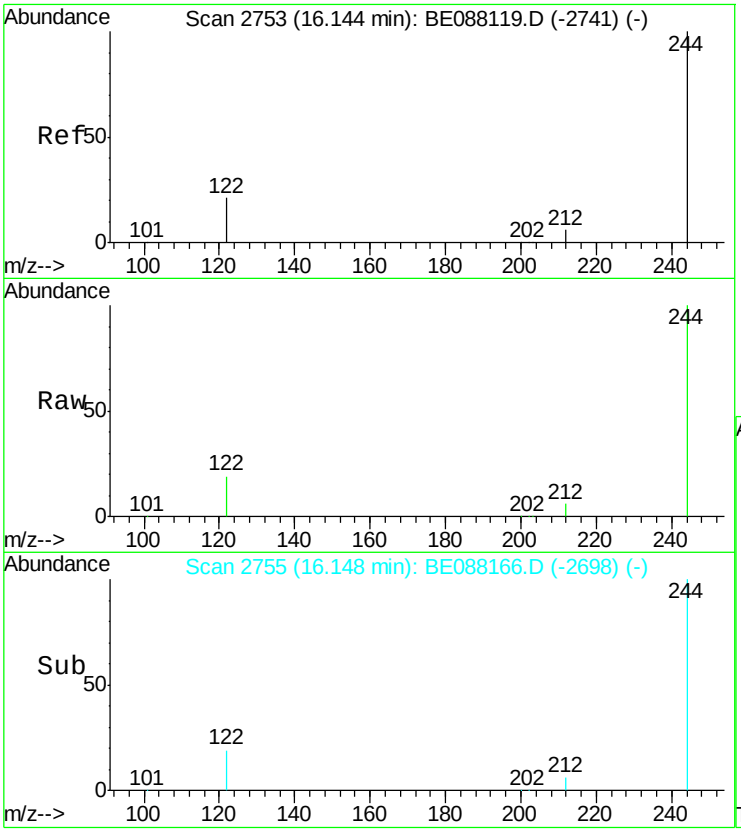


#17
Pyrene
Concen: 3.47 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:202 Resp: 49407

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	20.6	13.9	20.9



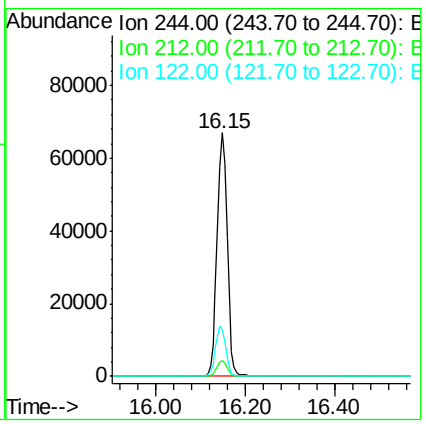


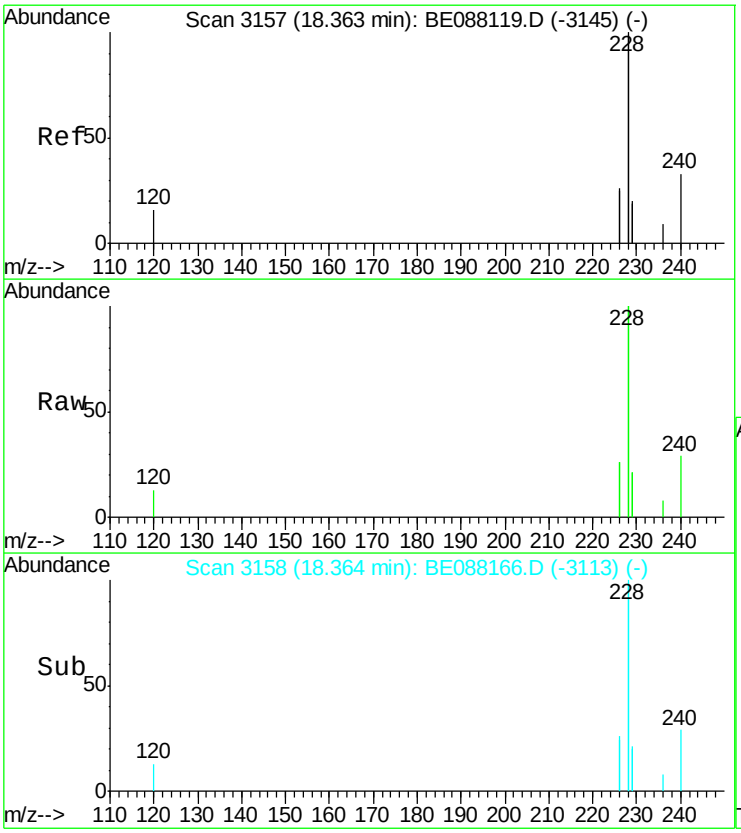
#18
Terphenyl-d14
Concen: 12.31 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:244 Resp: 103789

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	19.3	17.5	26.3

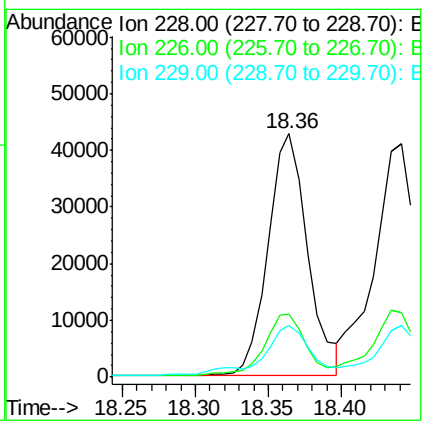


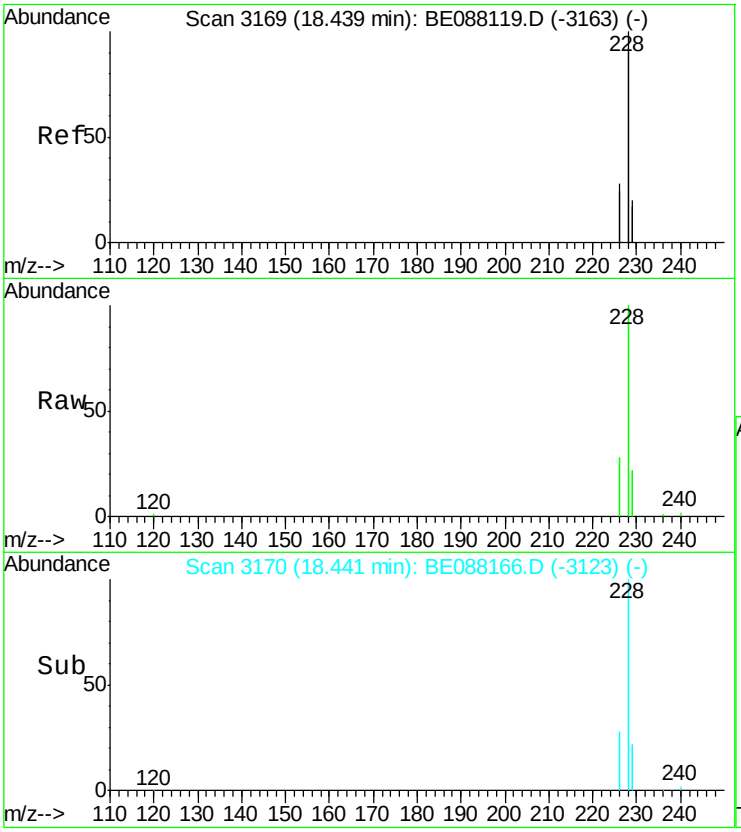


#19
Benzo(a)anthracene
Concen: 1.73 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:228 Resp: 80366

Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.8	31.2
229	21.3	15.6	23.4



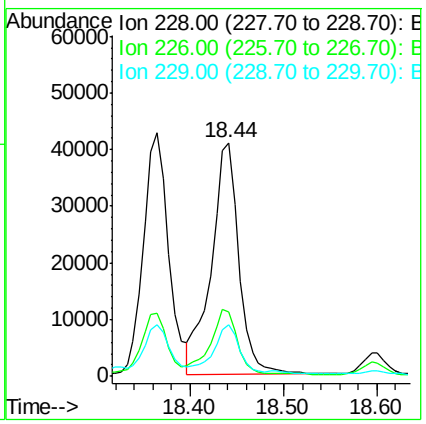


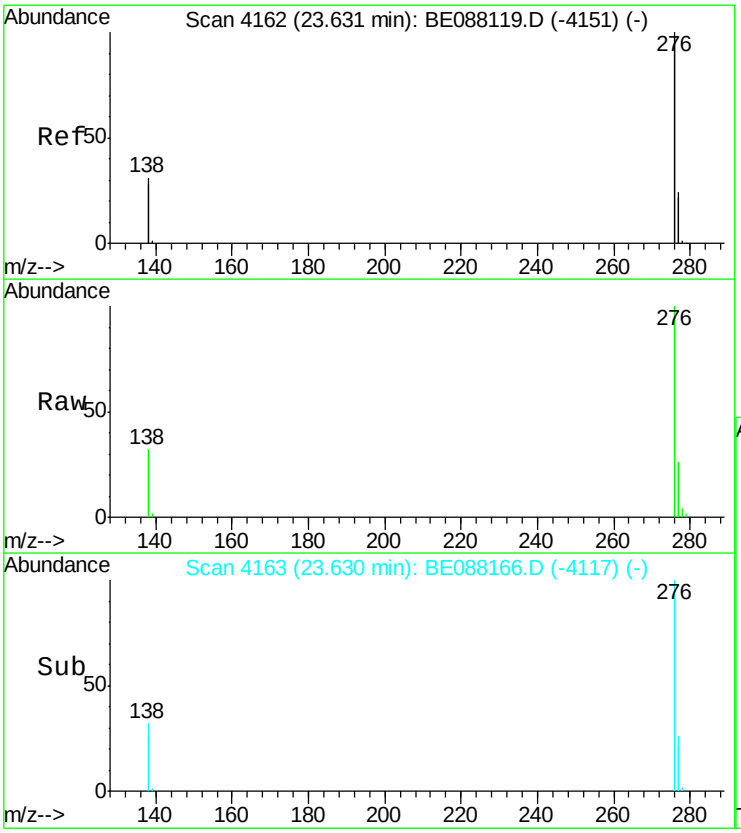
#20
Chrysene
Concen: 1.84 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:228 Resp: 84081

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	22.0	15.8	23.6

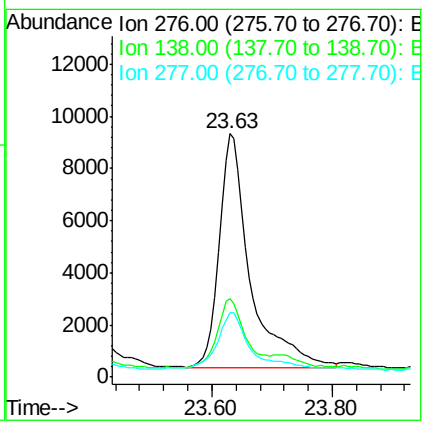


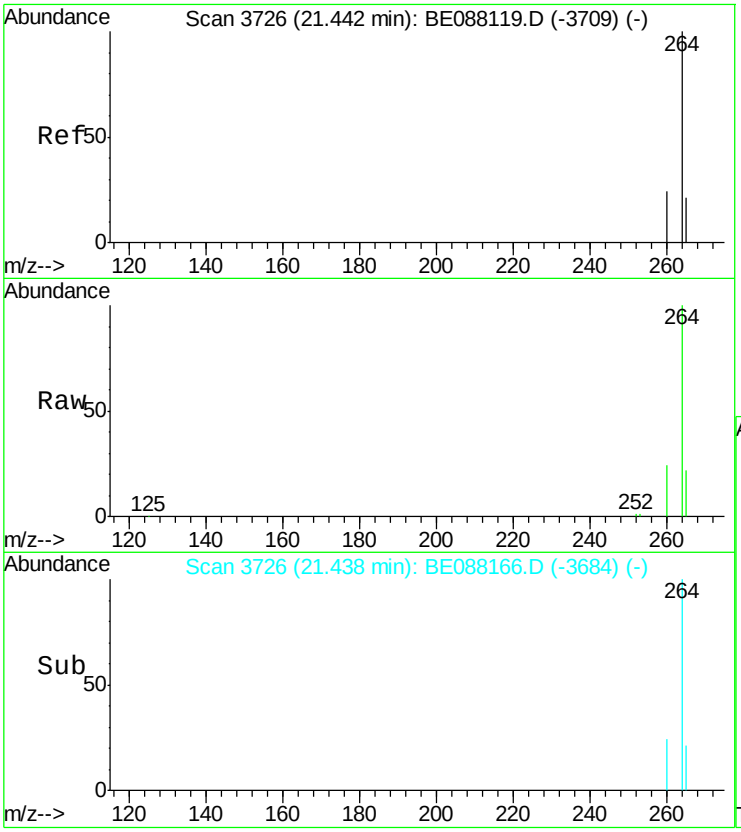


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.64 ng
RT: 23.63 min Scan# 4163
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:276 Resp: 32385

Ion	Ratio	Lower	Upper
276	100		
138	26.4	18.5	27.7
277	25.3	14.6	21.8#



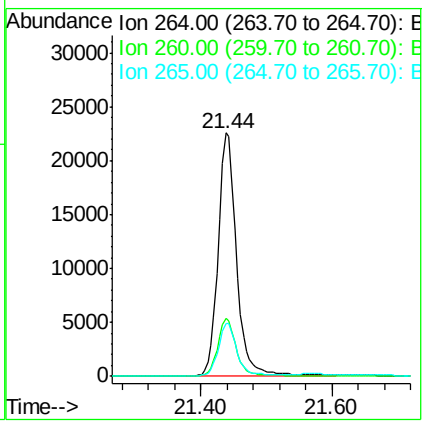


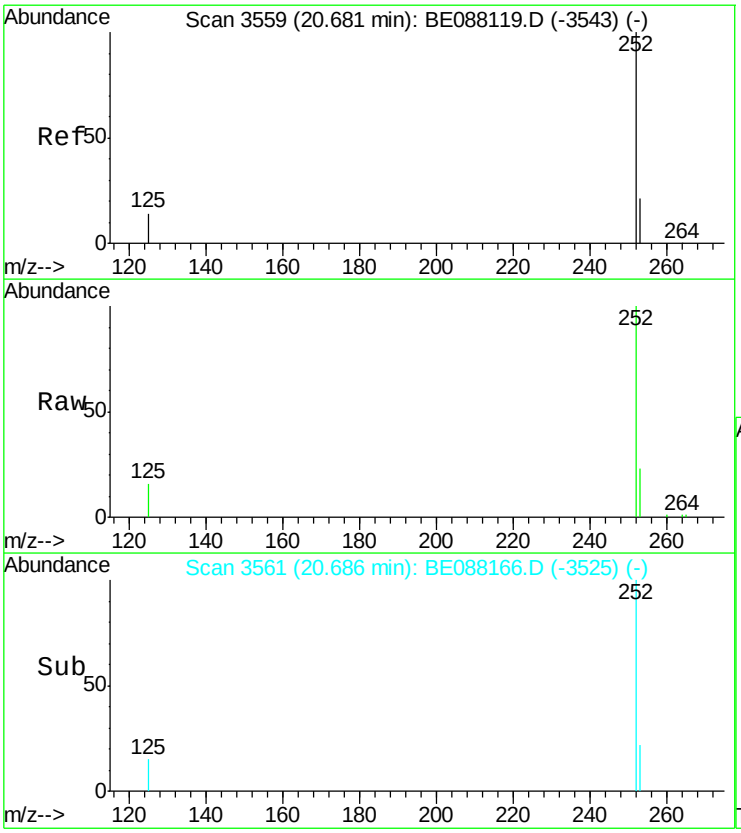
#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:264 Resp: 43814

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.5	17.2	25.8

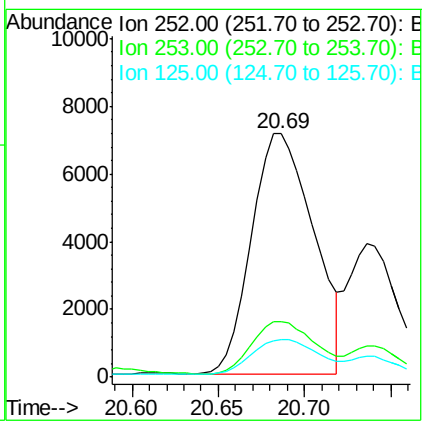


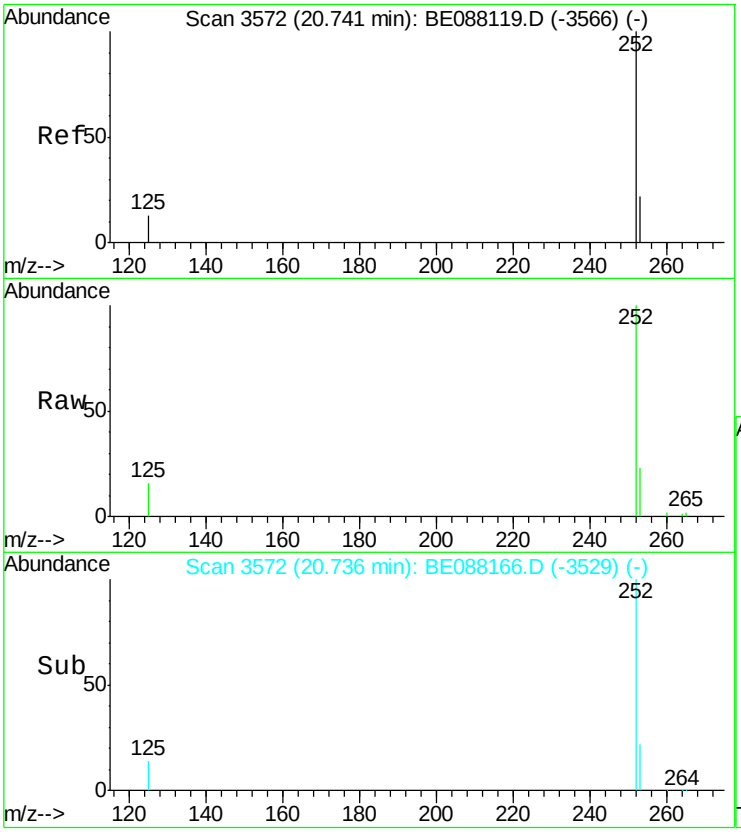


#23
Benzo(b)fluoranthene
Concen: 1.70 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:252 Resp: 17713

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	15.5	11.8	17.8



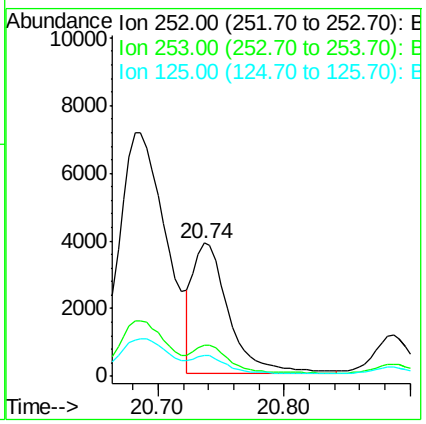


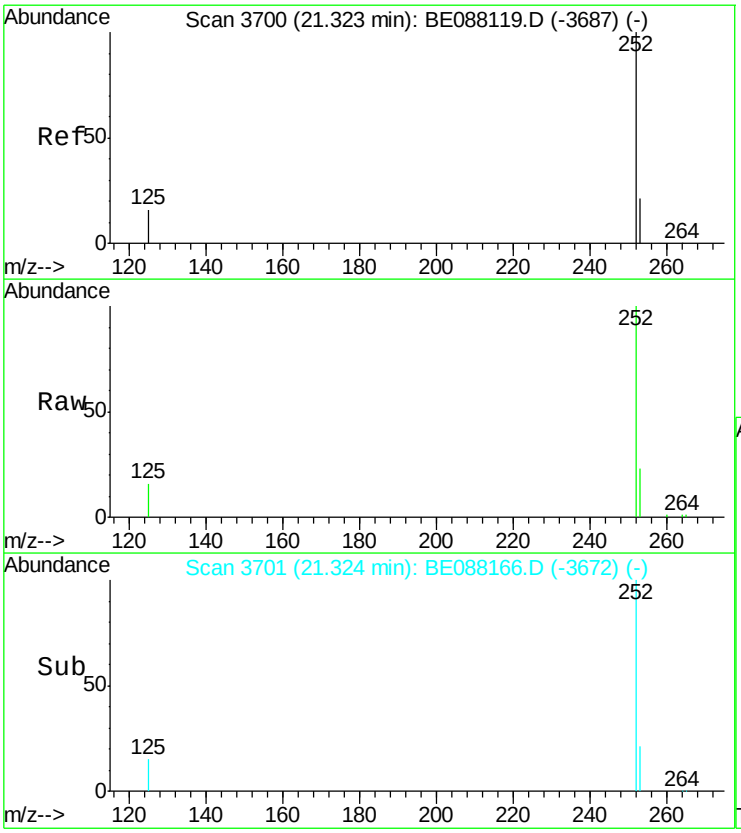
#24
Benzo(k)fluoranthene
Concen: 0.68 ng
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:252 Resp: 7544

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	15.8	11.5	17.3

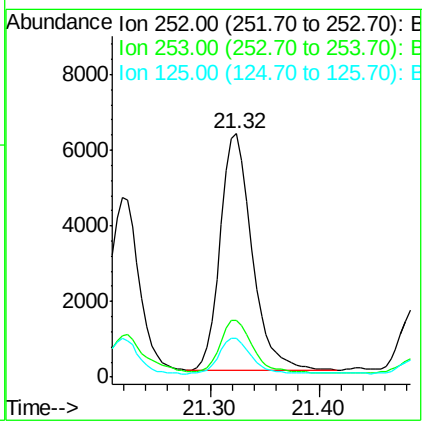


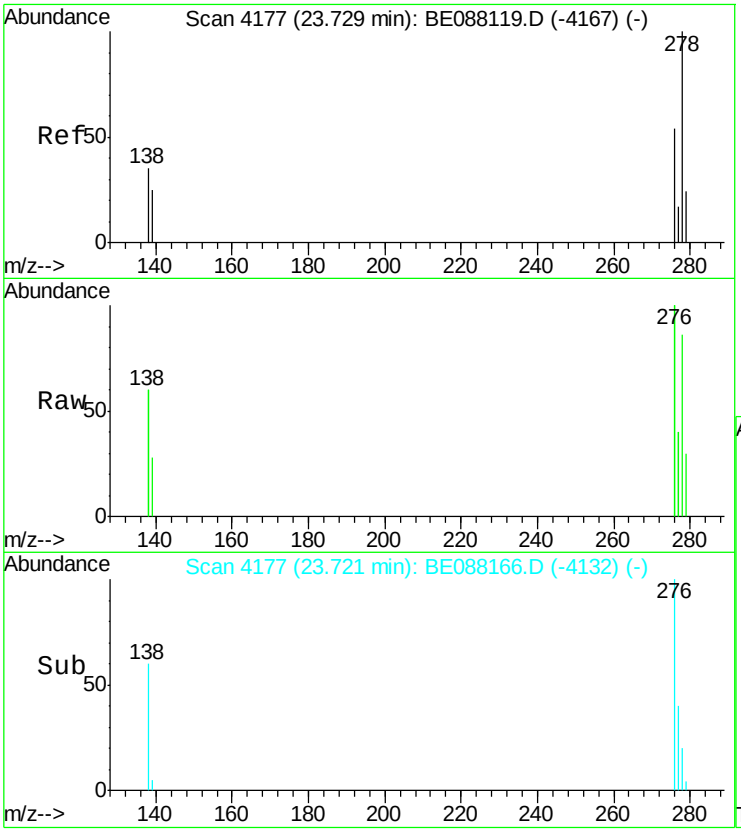


#25
Benzo(a)pyrene
Concen: 1.32 ng
RT: 21.32 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:252 Resp: 12673

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.1	13.0	19.6



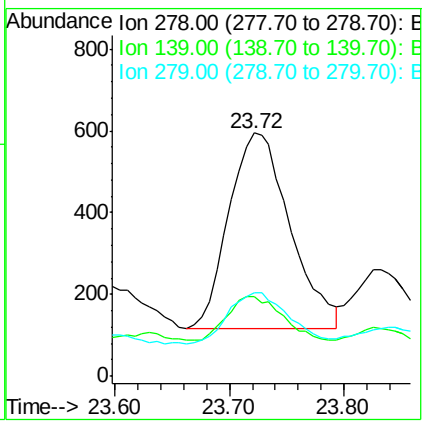


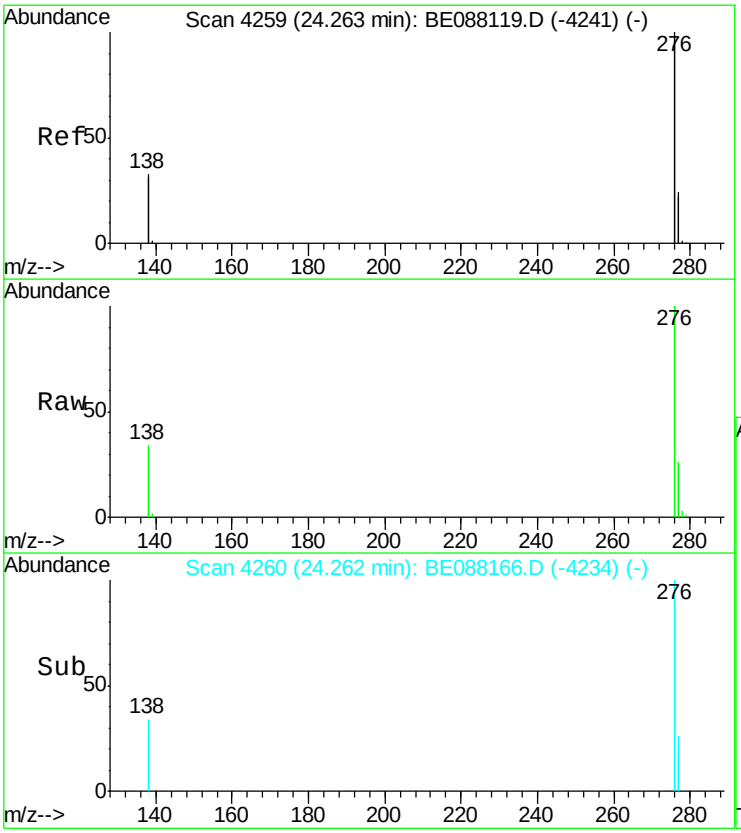
#26
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 23.72 min Scan# 4177
Delta R.T. -0.01 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Instrument :
BNA_E
ClientSampleId :
YS19-SB04-1014DL

Tgt Ion:278 Resp: 1781

Ion	Ratio	Lower	Upper
278	100		
139	32.8	20.9	31.3#
279	34.3	19.8	29.8#





#27
Benzo(g,h,i)perylene
Concen: 0.74 ng
RT: 24.26 min Scan# 4260
Delta R.T. -0.00 min
Lab File: BE088166.D
Acq: 22 Oct 2014 5:47

Tgt Ion:276 Resp: 30885

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	33.8	26.6	40.0