Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088238.D
Acq On : 25 Oct 2014 8:22
Operator : TP/JJ
Sample : F4368-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SS42-1014

Quant Time: Oct 27 14:39:17 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	26848	5.00	ng		0.00
3) Naphthalene-d8	8.68	136	109364	5.00	ng		0.00
7) Acenaphthene-d10	10.82	164	56855	5.00	ng		0.00
12) Phenanthrene-d10	12.94	188	110509	5.00	ng		0.00
16) Chrysene-d12	18.34	240	49977	5.00	ng		0.00
22) Perylene-d12	21.40	264	43188	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.81	82	441029	53.35	ng		0.02
8) 2-Fluorobiphenyl	10.02	172	556334	35.09	ng		0.00
18) Terphenyl-d14	16.13	244	463146	56.59	ng		0.02
Target Compounds							Qvalue
9) Acenaphthylene	10.64	152	2179	0.03	ng		99
10) Acenaphthene	10.86	154	459	0.03	ng	#	81
11) Fluorene	11.52	166	534	0.04	ng		96
13) Phenanthrene	12.97	178	45346	0.43	ng	#	90
14) Anthracene	13.06	178	7396	0.09	ng	#	80
15) Fluoranthene	15.21	202	14499	0.90	ng		99
17) Pyrene	15.66	202	12361	0.90	ng		96
19) Benzo(a)anthracene	18.32	228	18569	0.47	ng		97
20) Chrysene	18.40	228	21430	0.48	ng		96
21) Indeno(1,2,3-cd)pyrene	23.58	276	12912	0.51	ng	#	76
23) Benzo(b)fluoranthene	20.64	252	5614	0.76	ng	#	92
24) Benzo(k)fluoranthene	20.70	252	2704	0.24	ng	#	89
25) Benzo(a)pyrene	21.28	252	3671	0.56	ng	#	93
27) Benzo(g,h,i)perylene	24.20	276	12276	0.35	ng		91

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088238.D
Acq On : 25 Oct 2014 8:22
Operator : TP/JJ
Sample : F4368-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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YS19-SS42-1014

Quant Time: Oct 27 14:39:17 2014
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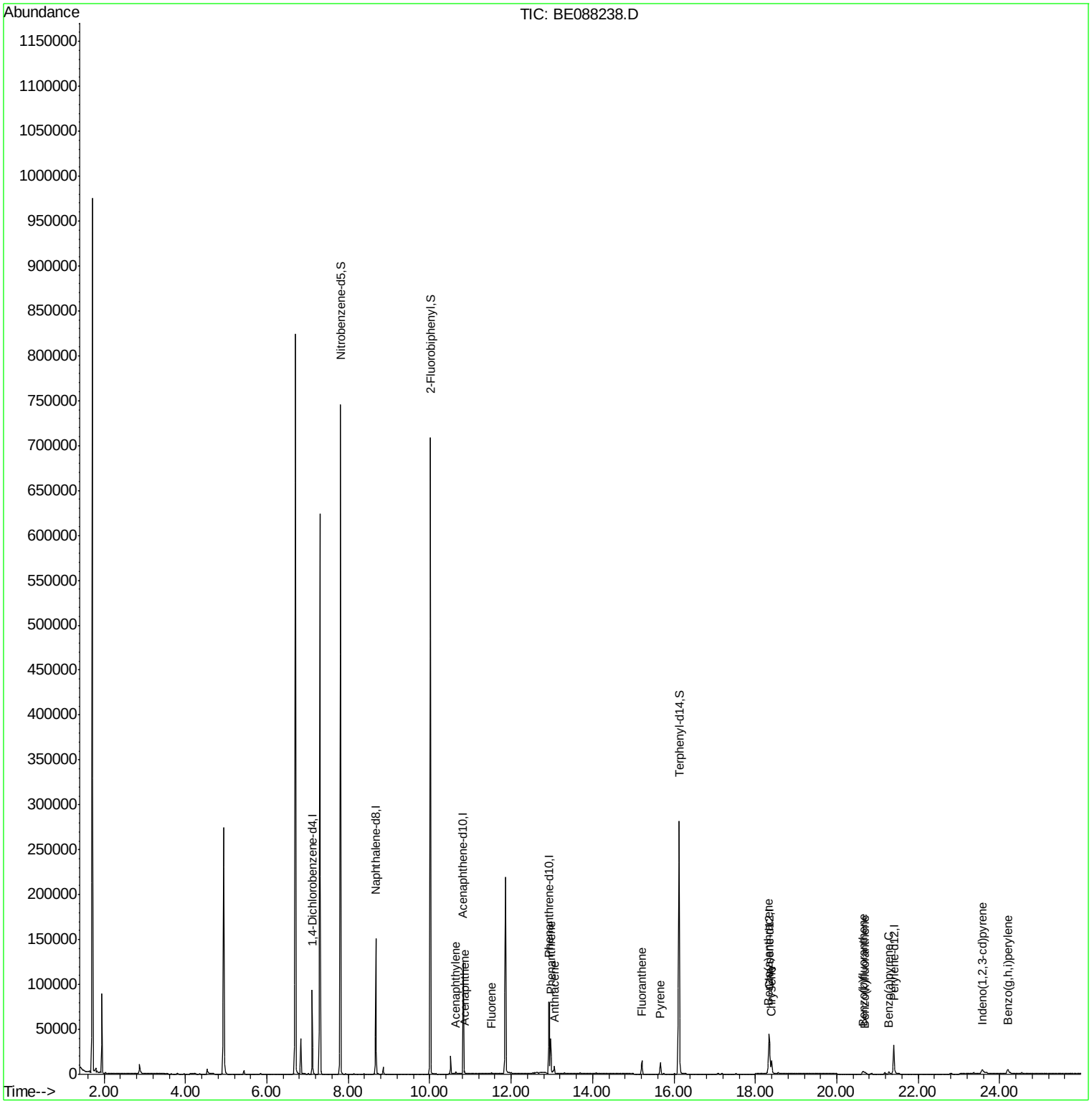
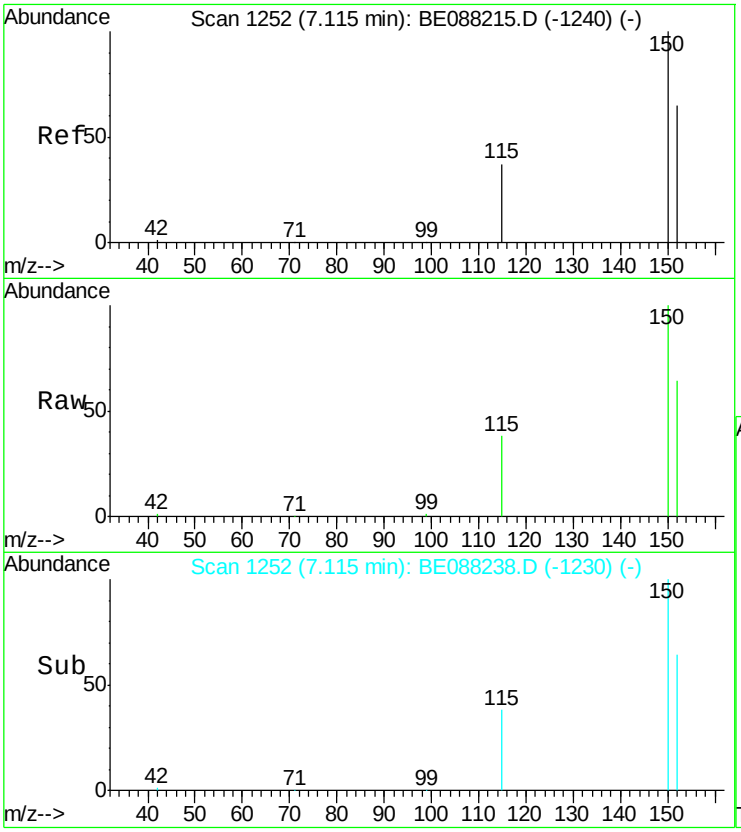
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration



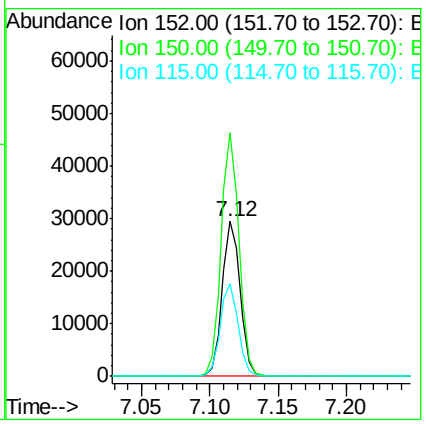


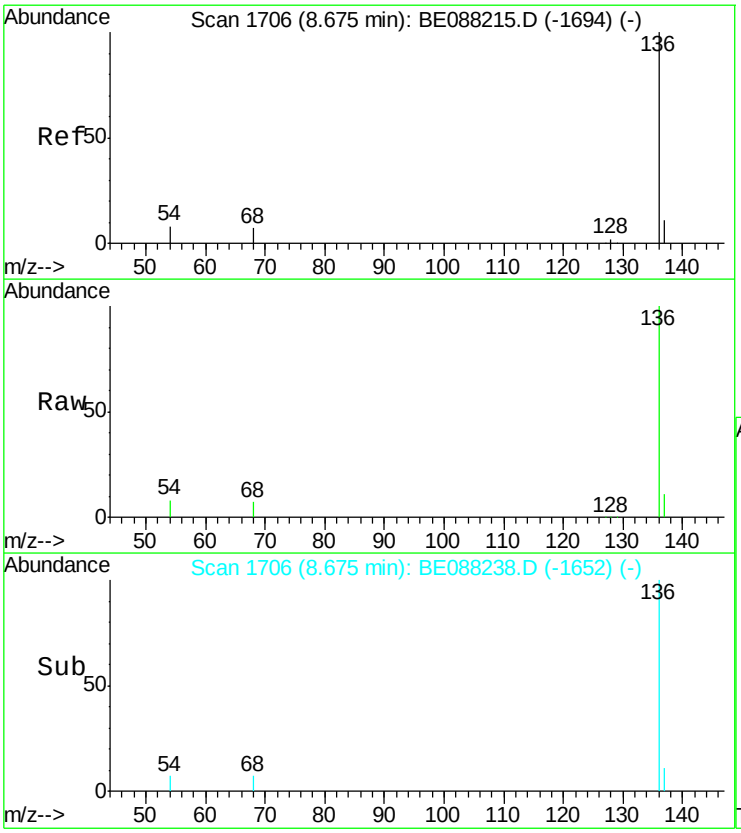
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:152 Resp: 26848

Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.2	184.8
115	59.6	45.3	67.9

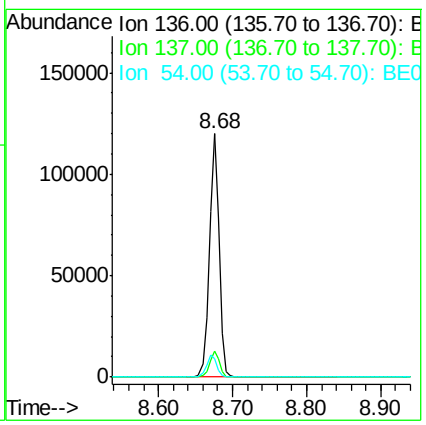


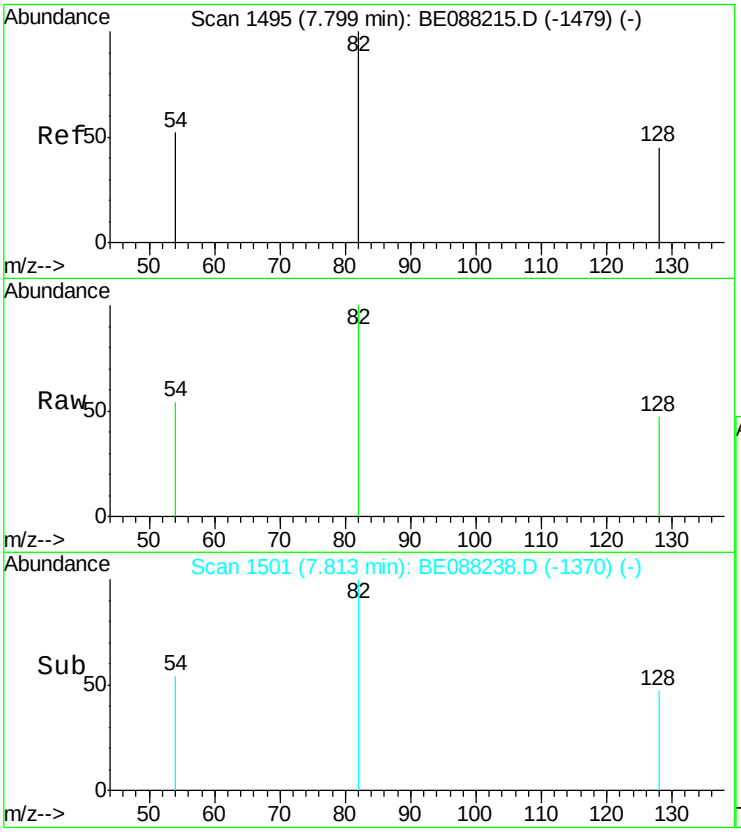


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:136 Resp: 109364

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.7	6.1	9.1



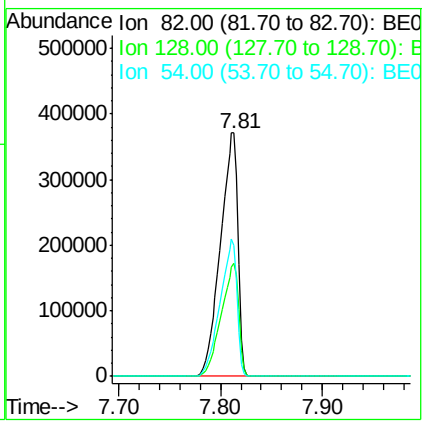


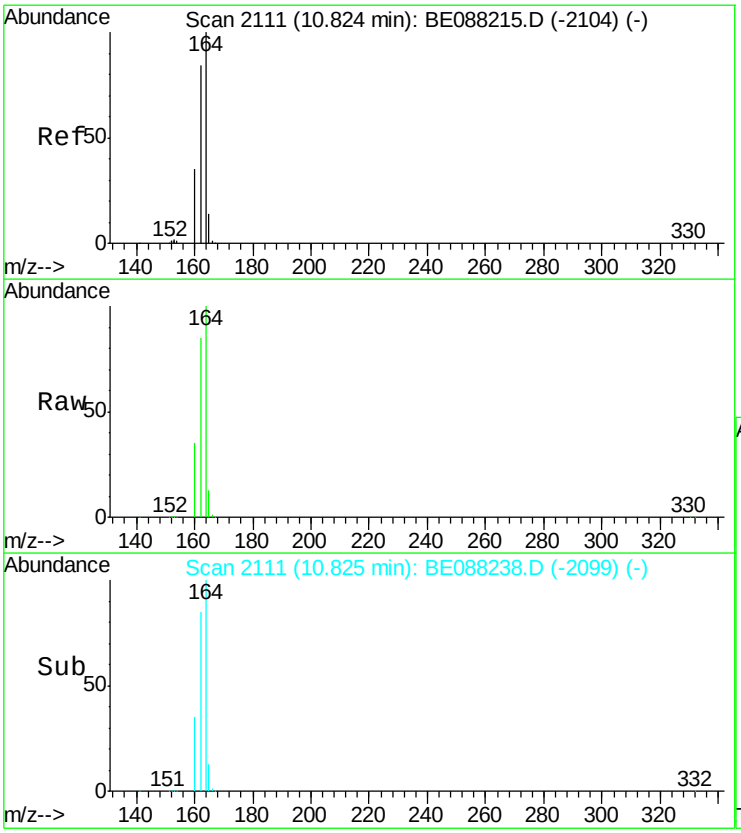
#4
Nitrobenzene-d5
Concen: 53.35 ng
RT: 7.81 min Scan# 1501
Delta R.T. 0.02 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion: 82 Resp: 441029

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.2	54.2
54	54.0	41.8	62.8

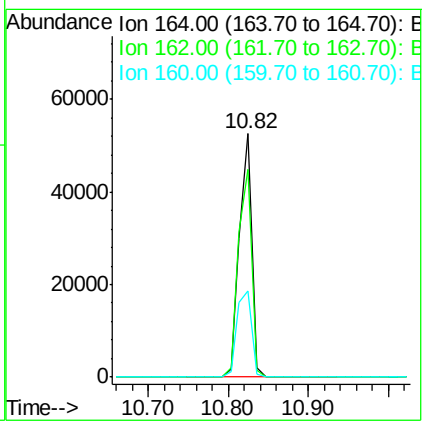


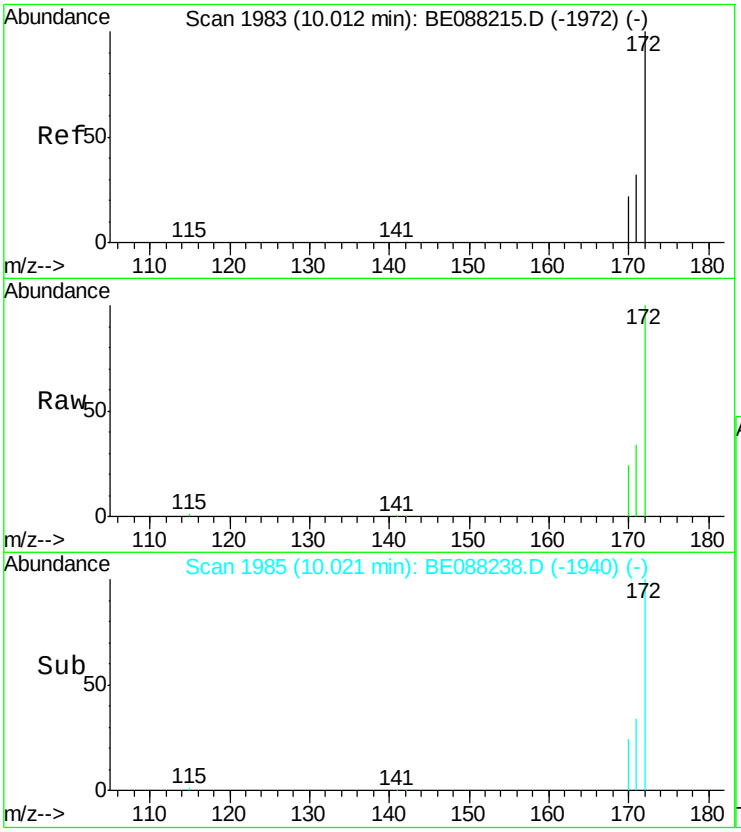


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.82 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:164 Resp: 56855

Ion	Ratio	Lower	Upper
164	100		
162	85.1	67.4	101.0
160	35.3	27.7	41.5



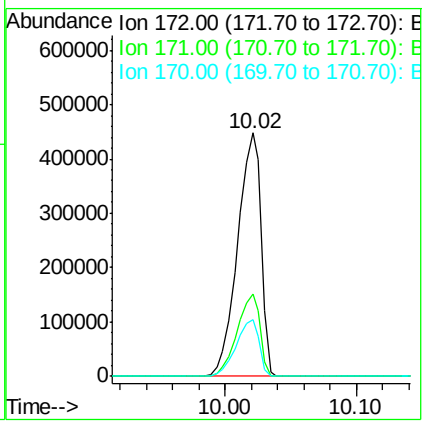


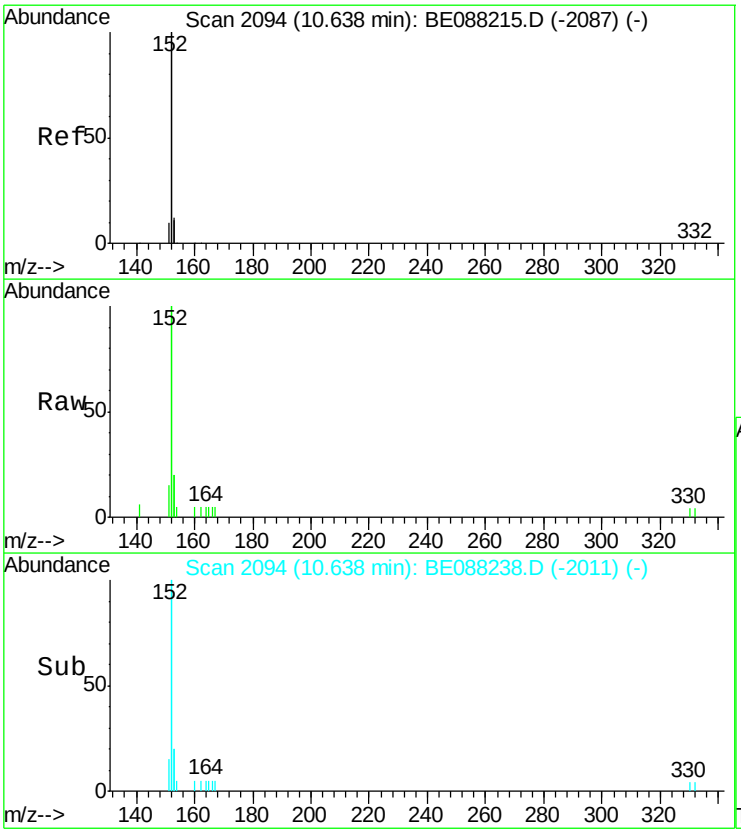
#8
2-Fluorobiphenyl
Concen: 35.09 ng
RT: 10.02 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:172 Resp: 556334

Ion	Ratio	Lower	Upper
172	100		
171	33.9	25.8	38.6
170	23.6	17.4	26.0

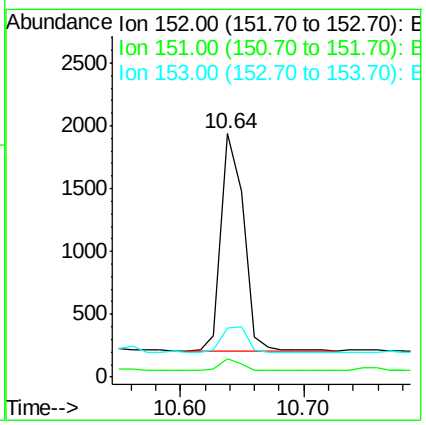


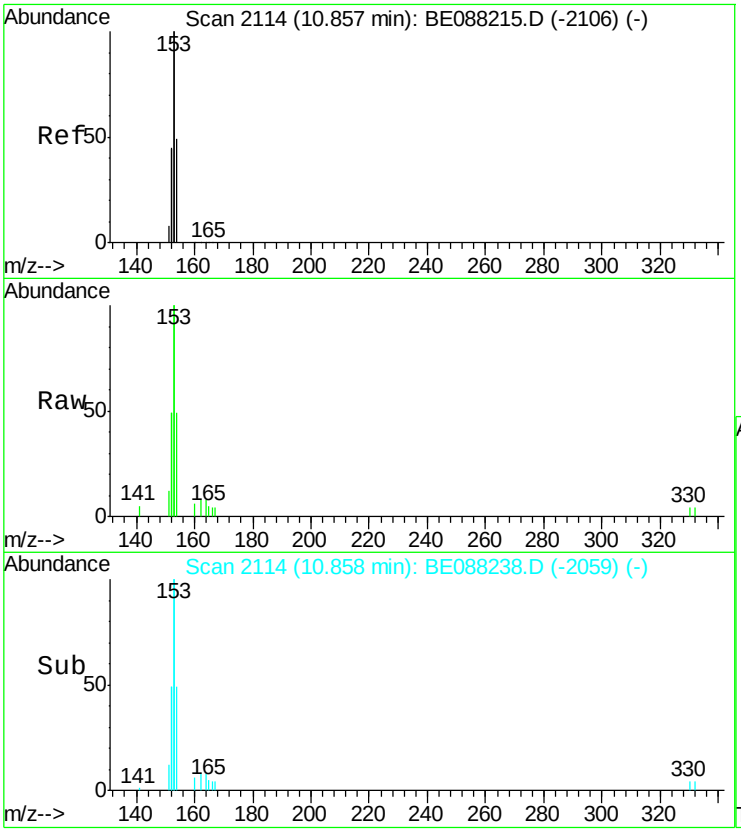


#9
Acenaphthylene
Concen: 0.03 ng
RT: 10.64 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:152 Resp: 2179

Ion	Ratio	Lower	Upper
152	100		
151	5.5	3.7	5.5
153	12.9	10.3	15.5



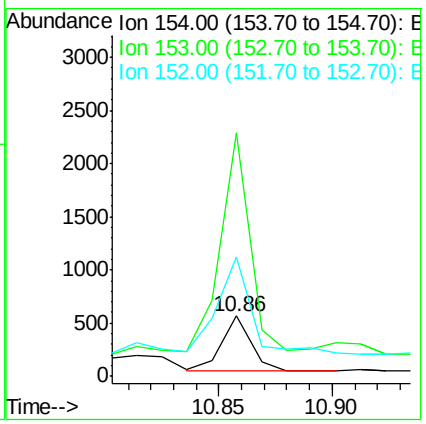


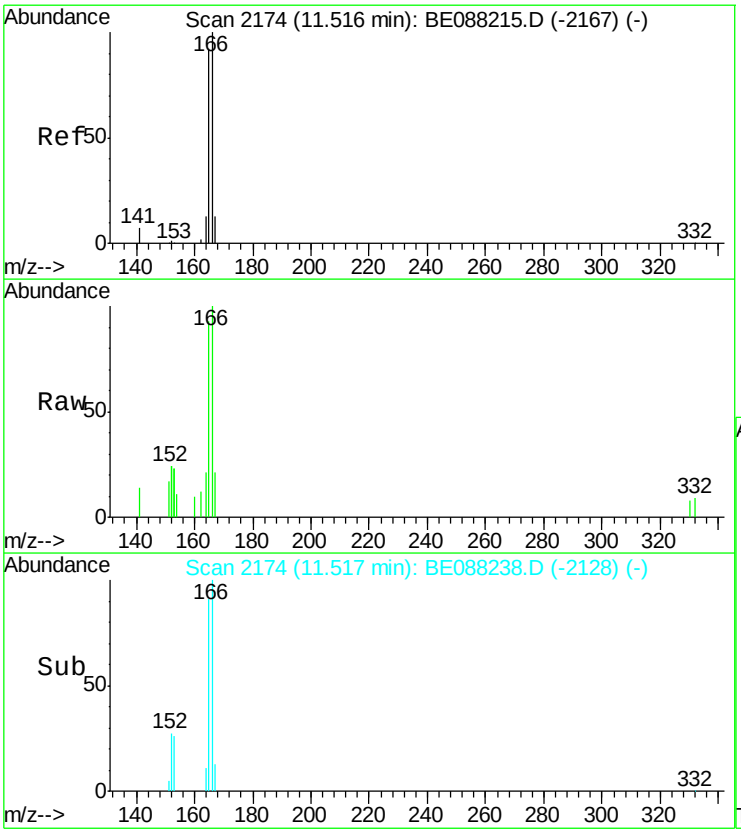
#10
Acenaphthene
Concen: 0.03 ng
RT: 10.86 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:154 Resp: 459

Ion	Ratio	Lower	Upper
154	100		
153	441.8	326.0	489.0
152	235.9	155.6	233.4#

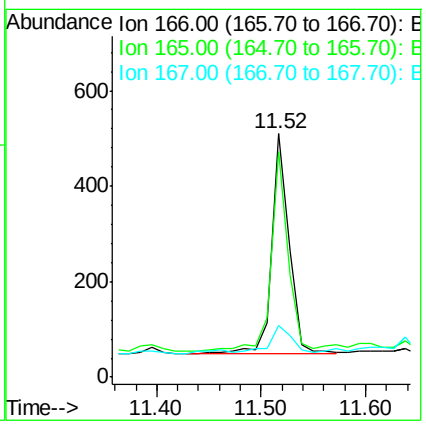


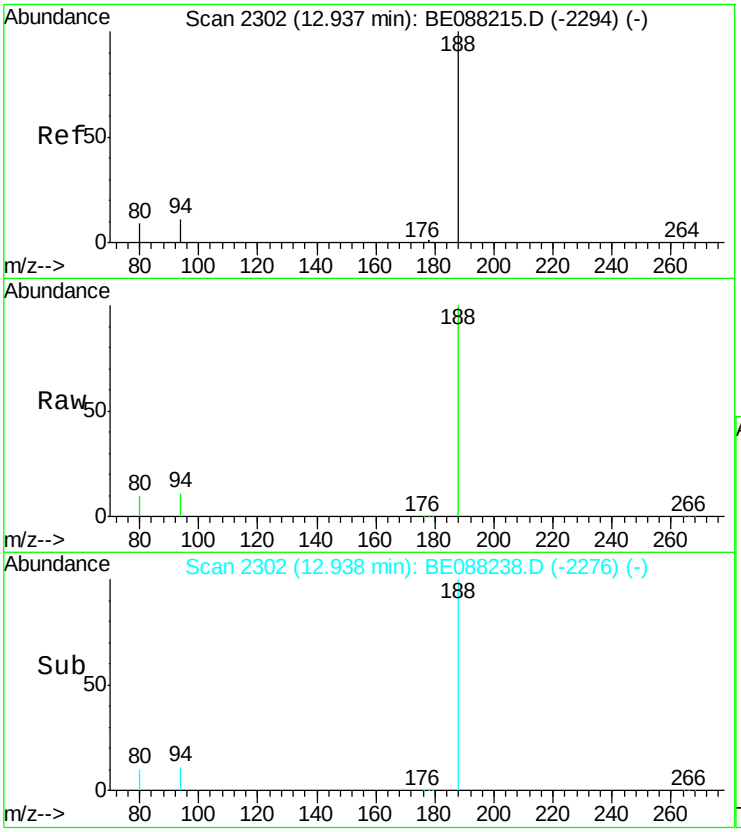


#11
Fluorene
Concen: 0.04 ng
RT: 11.52 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:166 Resp: 534

Ion	Ratio	Lower	Upper
166	100		
165	86.0	71.8	107.6
167	15.2	10.7	16.1



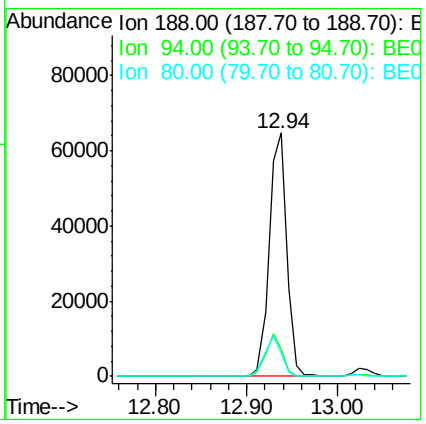


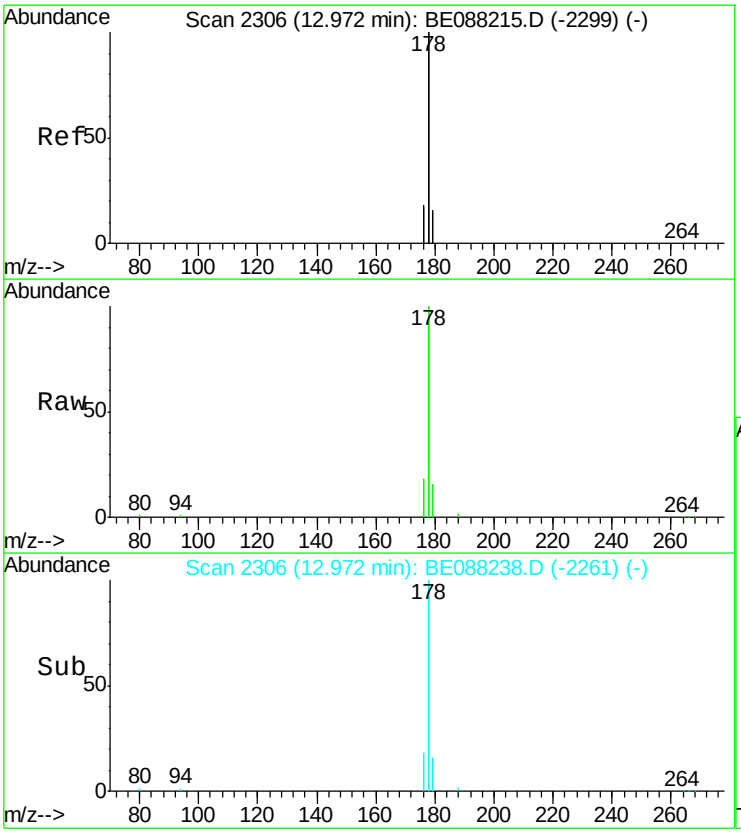
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:188 Resp: 110509

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	9.8	7.4	11.0

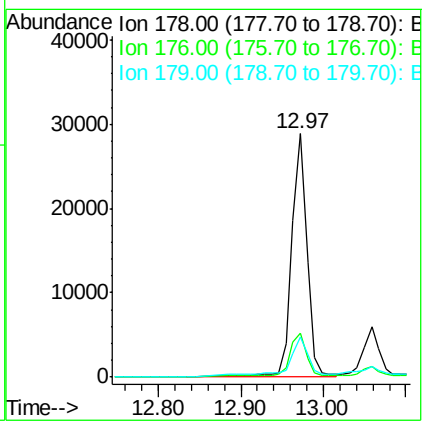


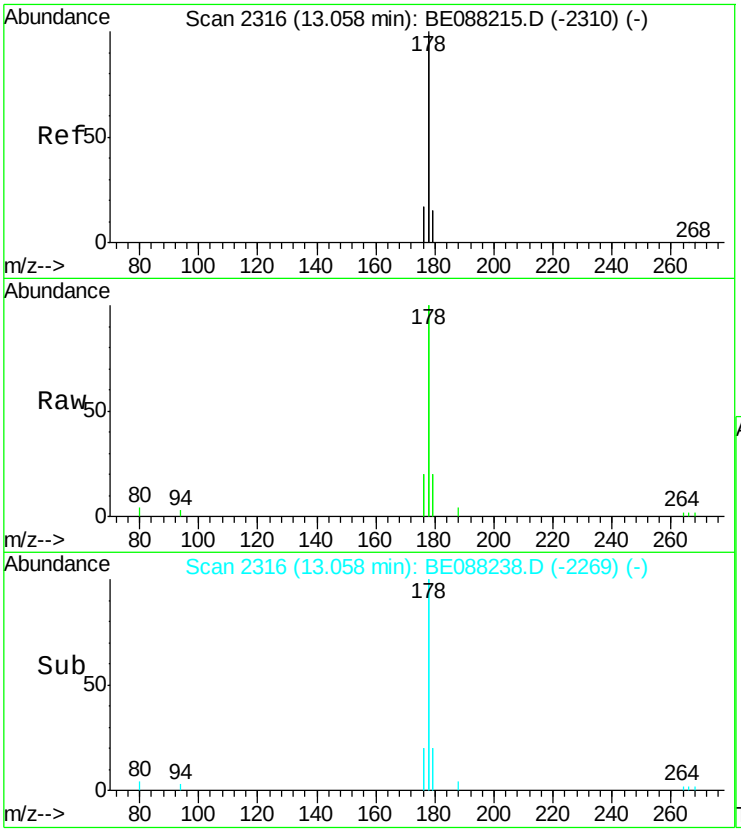


#13
Phenanthrene
Concen: 0.43 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:178 Resp: 45346

Ion	Ratio	Lower	Upper
178	100		
176	15.6	14.0	21.0
179	21.9	11.8	17.6#



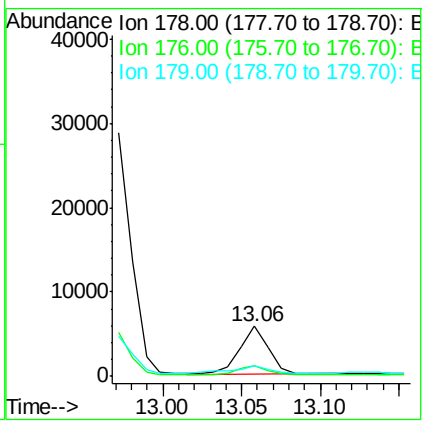


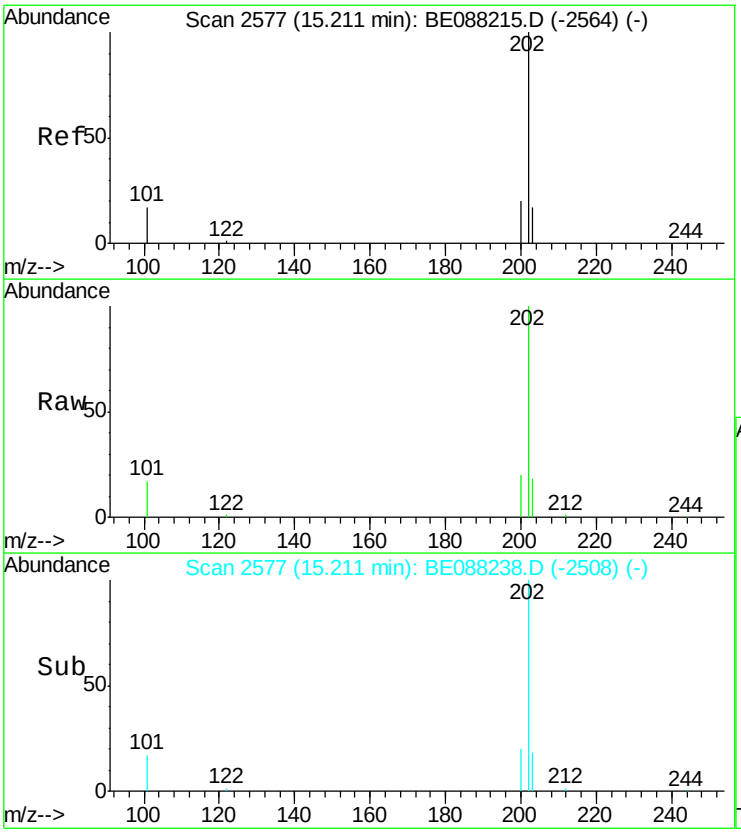
#14
Anthracene
Concen: 0.09 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:178 Resp: 7396

Ion	Ratio	Lower	Upper
178	100		
176	20.9	14.7	22.1
179	31.4	12.3	18.5#

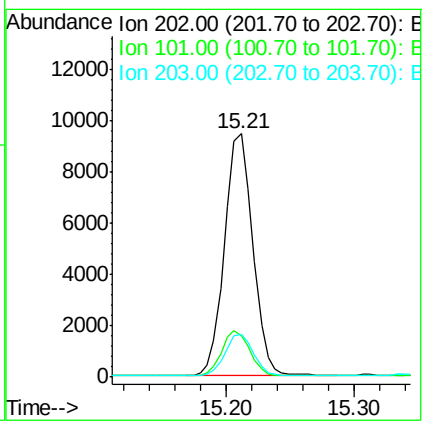


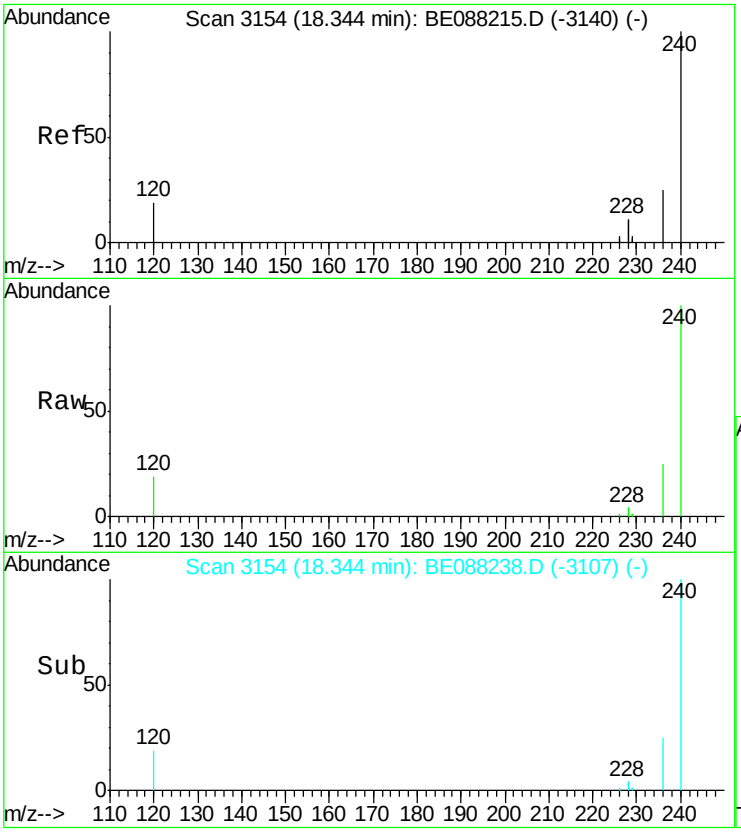


#15
Fluoranthene
Concen: 0.90 ng
RT: 15.21 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:202 Resp: 14499

Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.4	21.6
203	17.2	13.4	20.2



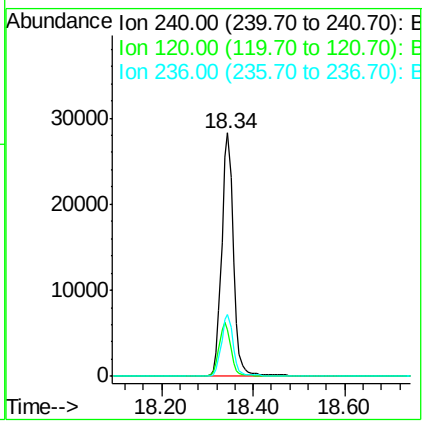


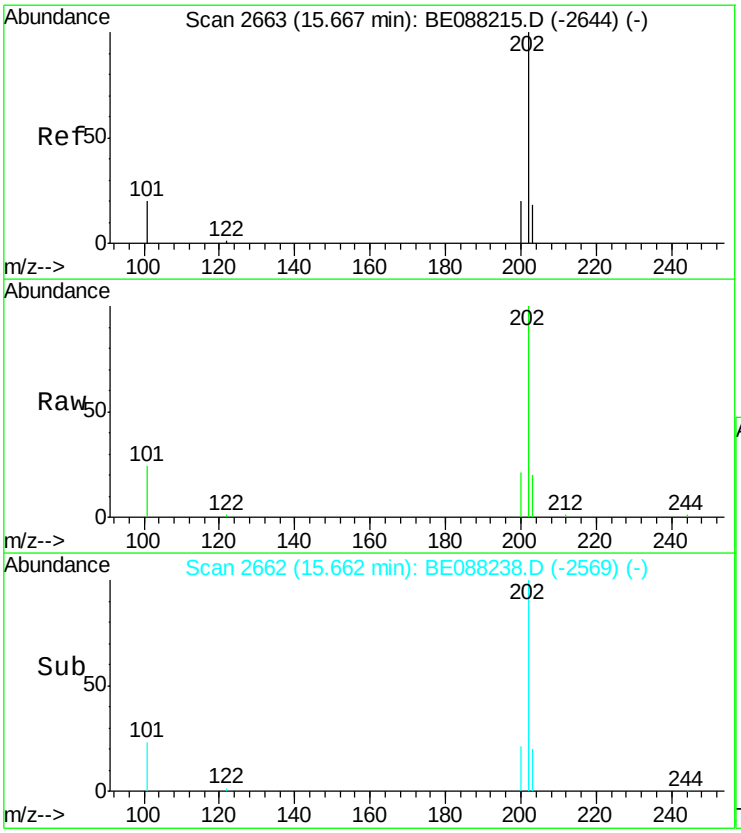
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:240 Resp: 49977

Ion	Ratio	Lower	Upper
240	100		
120	19.1	15.1	22.7
236	25.4	20.1	30.1

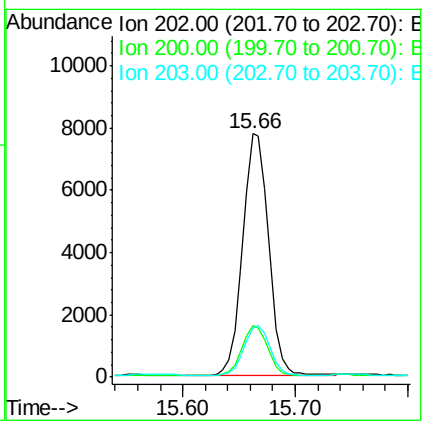


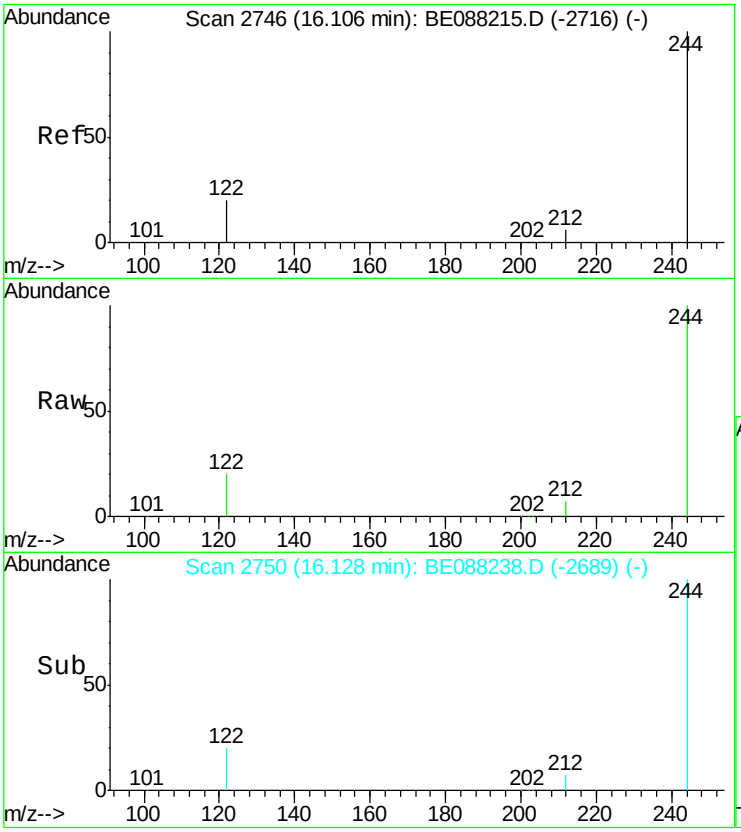


#17
Pyrene
Concen: 0.90 ng
RT: 15.66 min Scan# 2662
Delta R.T. -0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:202 Resp: 12361

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	20.5	13.8	20.8



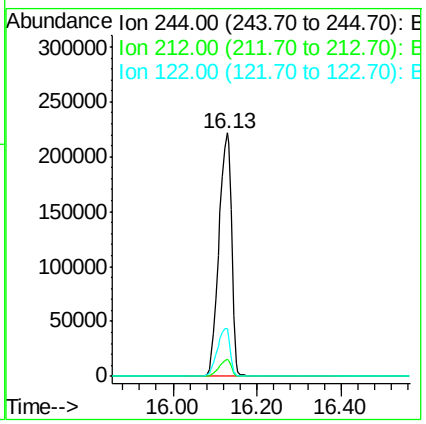


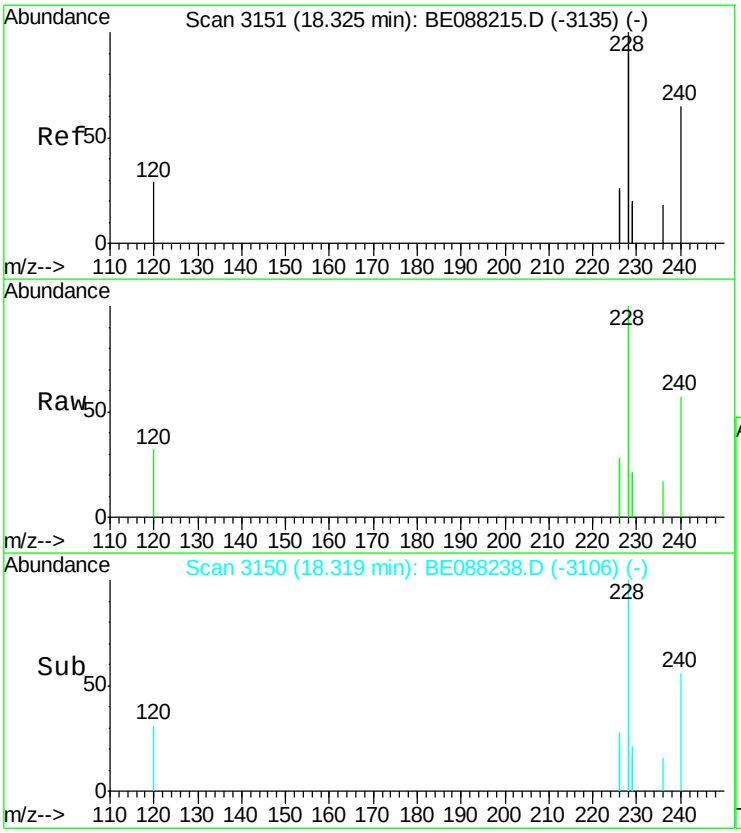
#18
Terphenyl-d14
Concen: 56.59 ng
RT: 16.13 min Scan# 2750
Delta R.T. 0.02 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:244 Resp: 463146

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	19.7	16.7	25.1

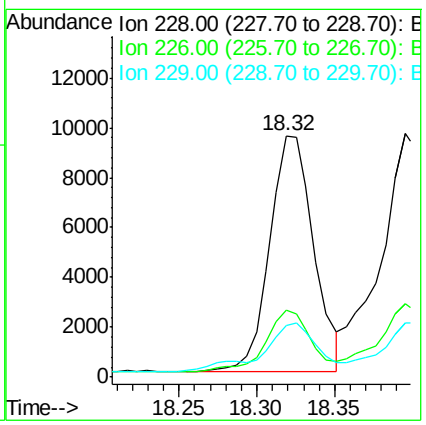


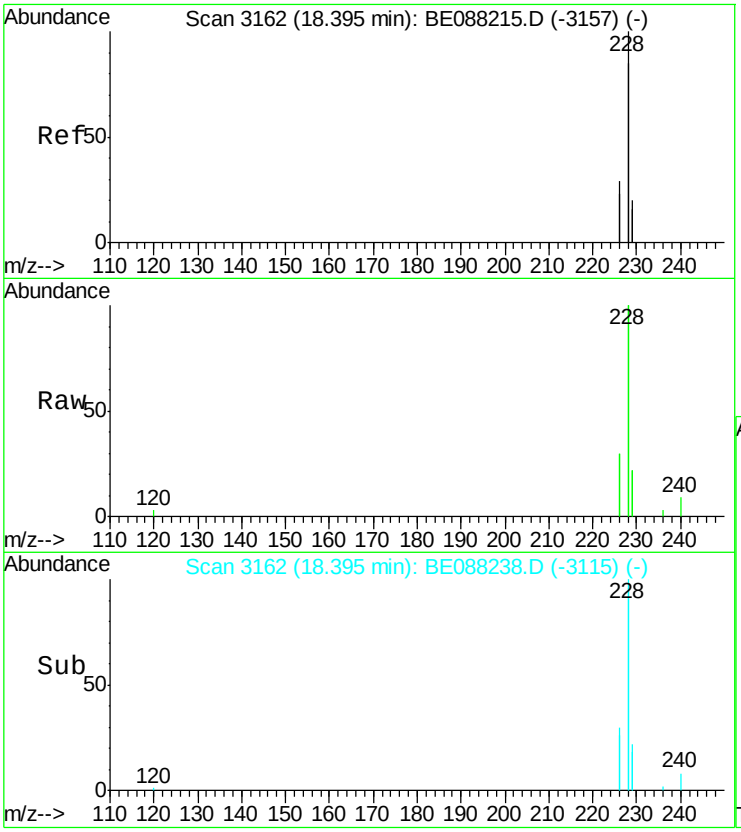


#19
Benzo(a)anthracene
Concen: 0.47 ng
RT: 18.32 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:228 Resp: 18569

Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.5	30.7
229	21.3	16.1	24.1



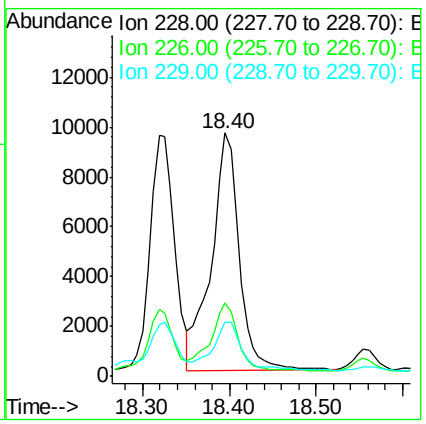


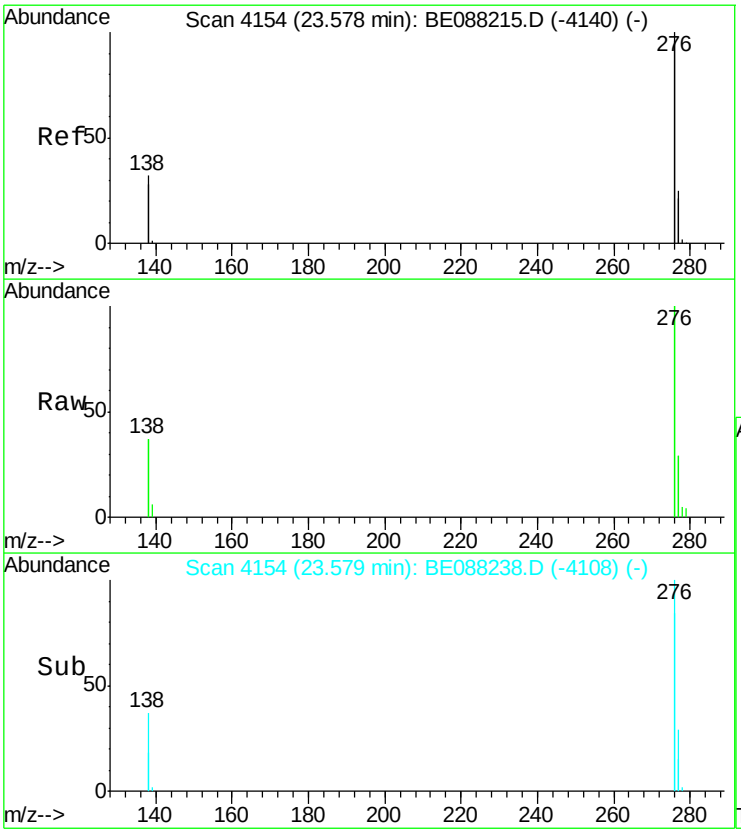
#20
Chrysene
Concen: 0.48 ng
RT: 18.40 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:228 Resp: 21430

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	22.3	15.6	23.4

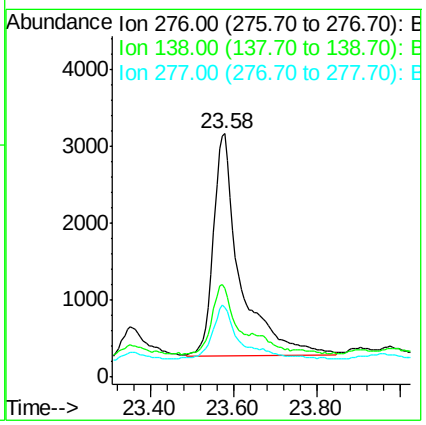


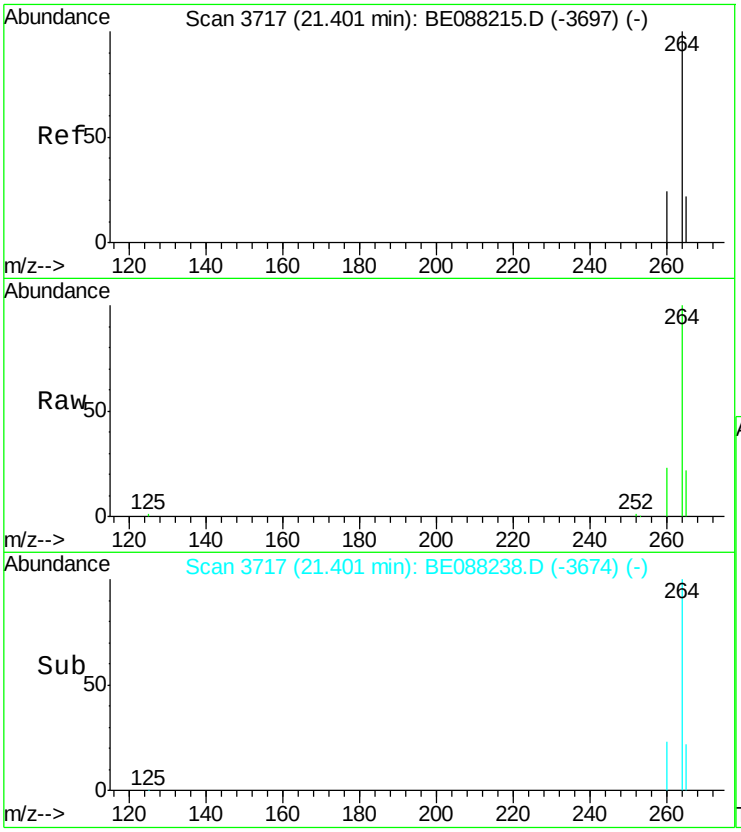


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.51 ng
RT: 23.58 min Scan# 4154
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:276 Resp: 12912

Ion	Ratio	Lower	Upper
276	100		
138	26.2	13.9	20.9#
277	25.4	10.7	16.1#



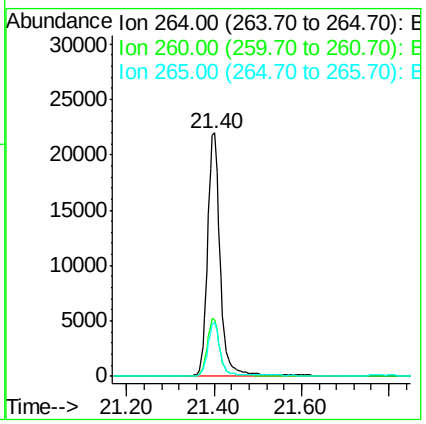


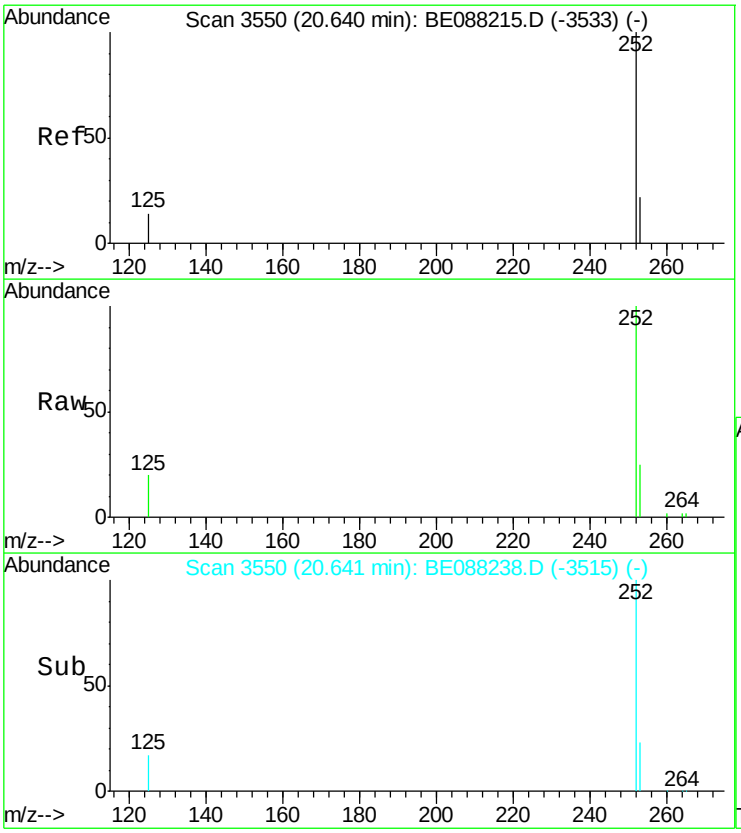
#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:264 Resp: 43188

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.0	17.4	26.2

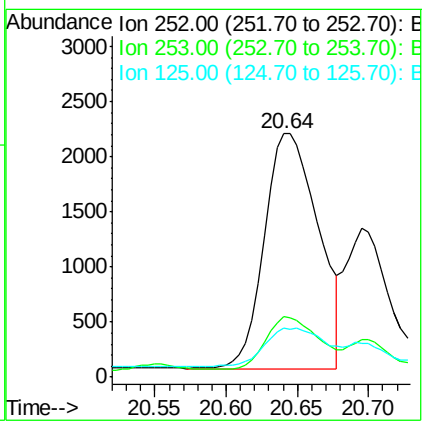


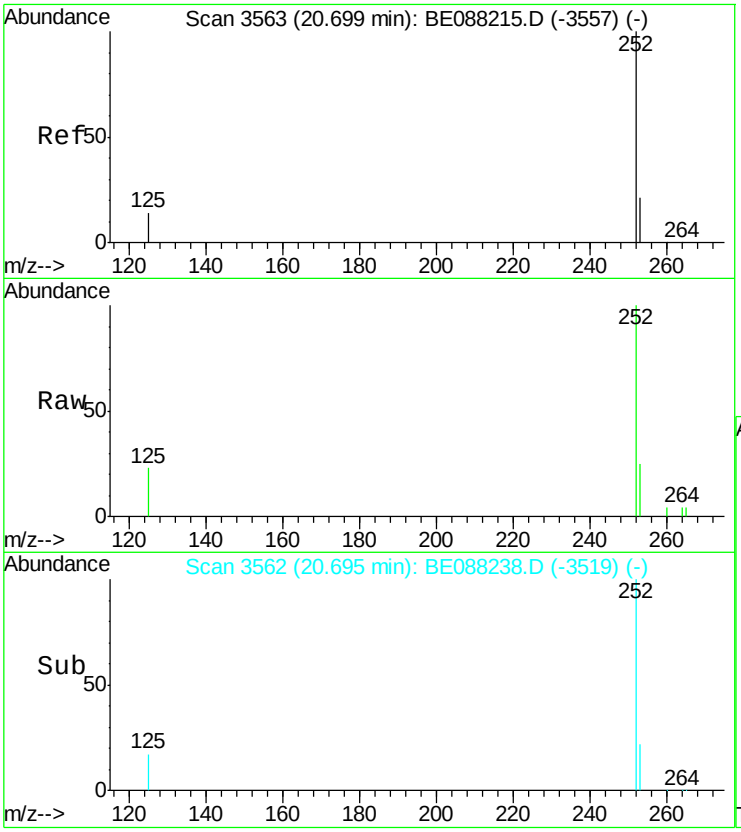


#23
Benzo(b)fluoranthene
Concen: 0.76 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:252 Resp: 5614

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	20.1	12.2	18.2#



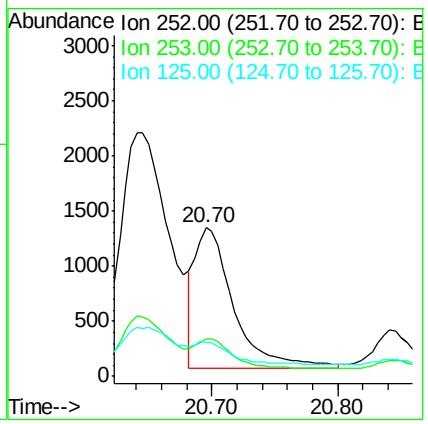


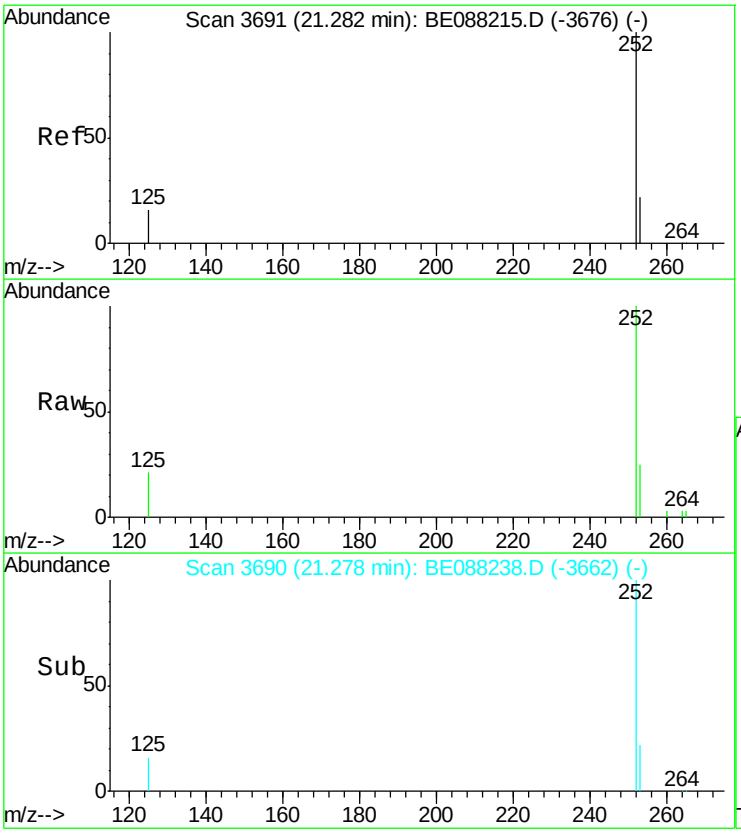
#24
Benzo(k)fluoranthene
Concen: 0.24 ng
RT: 20.70 min Scan# 3562
Delta R.T. -0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:252 Resp: 2704

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	22.6	12.1	18.1#

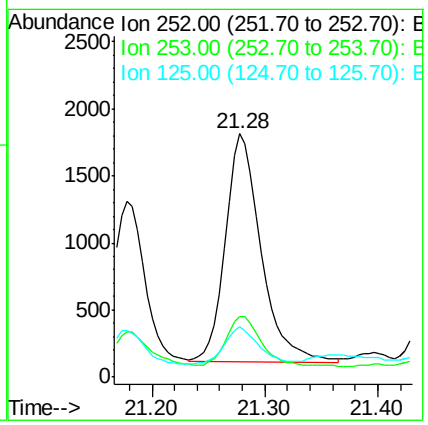


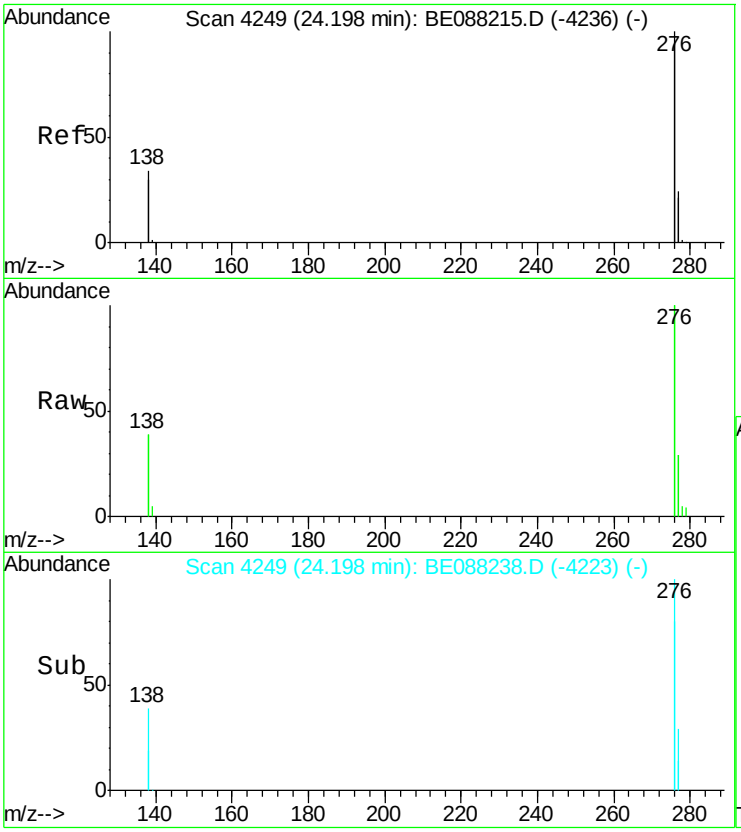


#25
Benzo(a)pyrene
Concen: 0.56 ng
RT: 21.28 min Scan# 3690
Delta R.T. -0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Tgt Ion:252 Resp: 3671

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	20.6	13.5	20.3#





#27
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 24.20 min Scan# 4249
Delta R.T. 0.00 min
Lab File: BE088238.D
Acq: 25 Oct 2014 8:22

Instrument :
BNA_E
ClientSampleId :
YS19-SS42-1014

Tgt Ion:276 Resp: 12276

Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.4	29.2
138	39.3	27.3	40.9