Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088229.D
Acq On : 25 Oct 2014 3:21
Operator : TP/JJ
Sample : PB79739BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB79839BL

Quant Time: Oct 27 13:46:31 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	7.11	152	23728	5.00	ng		0.00
3) Naphthalene-d8	8.68	136	93096	5.00	ng		0.00
7) Acenaphthene-d10	10.83	164	51441	5.00	ng		0.00
12) Phenanthrene-d10	12.93	188	113896	5.00	ng		0.00
16) Chrysene-d12	18.34	240	60426	5.00	ng		0.00
22) Perylene-d12	21.40	264	45159	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.80	82	47504	6.86	ng		0.00
8) 2-Fluorobiphenyl	10.01	172	92617	6.46	ng		0.00
18) Terphenyl-d14	16.11	244	88726	8.97	ng		0.00
Target Compounds							Qvalue
9) Acenaphthylene	10.64	152	2662	0.03	ng	#	84
10) Acenaphthene	10.86	154	411	0.03	ng		93
11) Fluorene	11.52	166	588	0.05	ng		99
13) Phenanthrene	12.97	178	7429	0.07	ng		98
14) Anthracene	12.97	178	7429	0.09	ng		98
15) Fluoranthene	15.21	202	733	0.04	ng		99
17) Pyrene	15.66	202	841	0.05	ng		99
19) Benzo(a)anthracene	18.33	228	4295	0.09	ng	#	88
20) Chrysene	18.40	228	5353	0.10	ng	#	88
21) Indeno(1,2,3-cd)pyrene	23.57	276	1315	0.27	ng	#	76
23) Benzo(b)fluoranthene	20.64	252	550	0.22	ng	#	68
24) Benzo(k)fluoranthene	20.70	252	895	0.08	ng	#	75
25) Benzo(a)pyrene	21.28	252	532	0.22	ng	#	67
26) Dibenzo(a,h)anthracene	23.67	278	381	0.25	ng	#	41
27) Benzo(g,h,i)perylene	24.20	276	2957	0.08	ng	#	66

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088229.D
Acq On : 25 Oct 2014 3:21
Operator : TP/JJ
Sample : PB79739BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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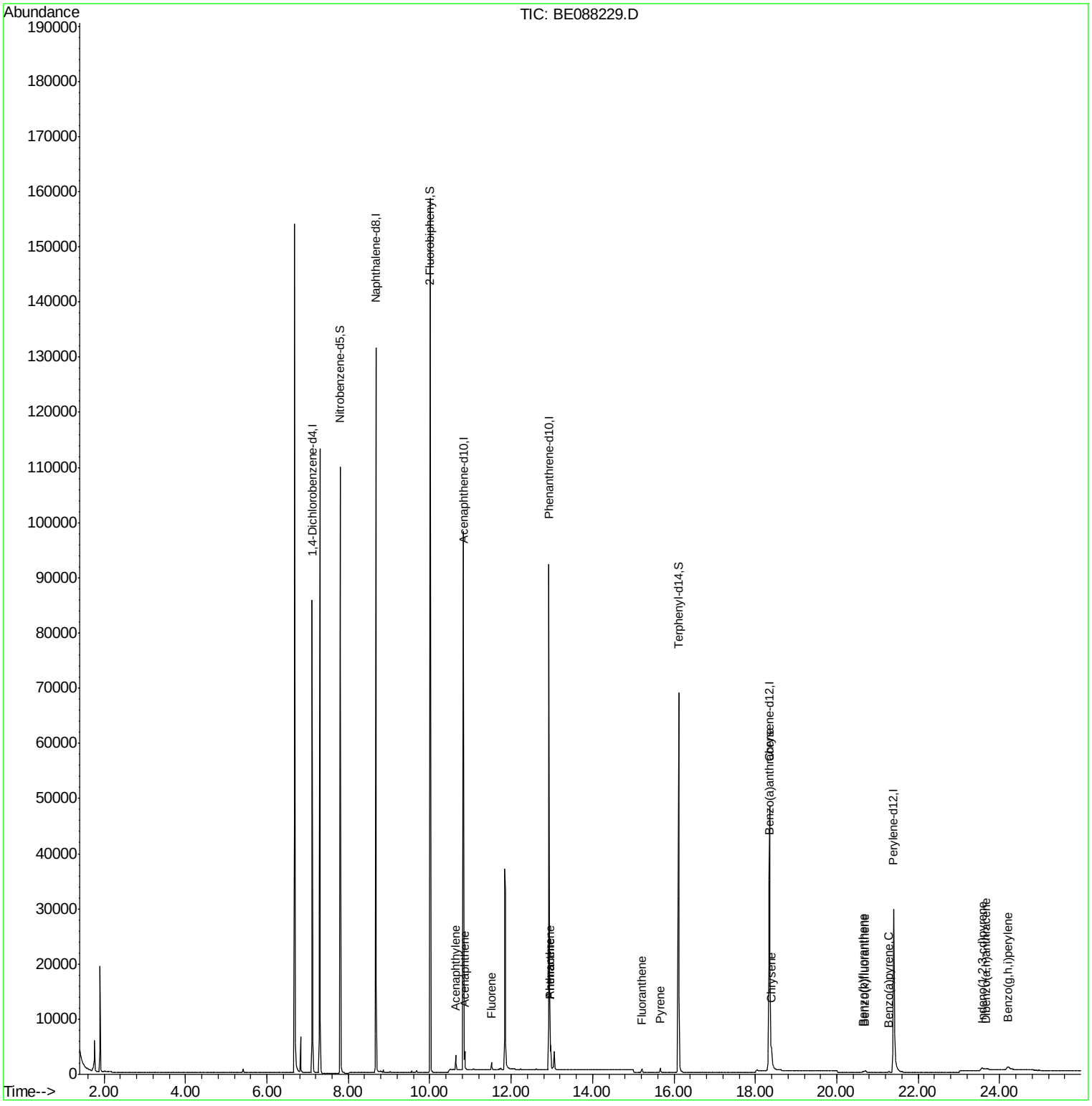
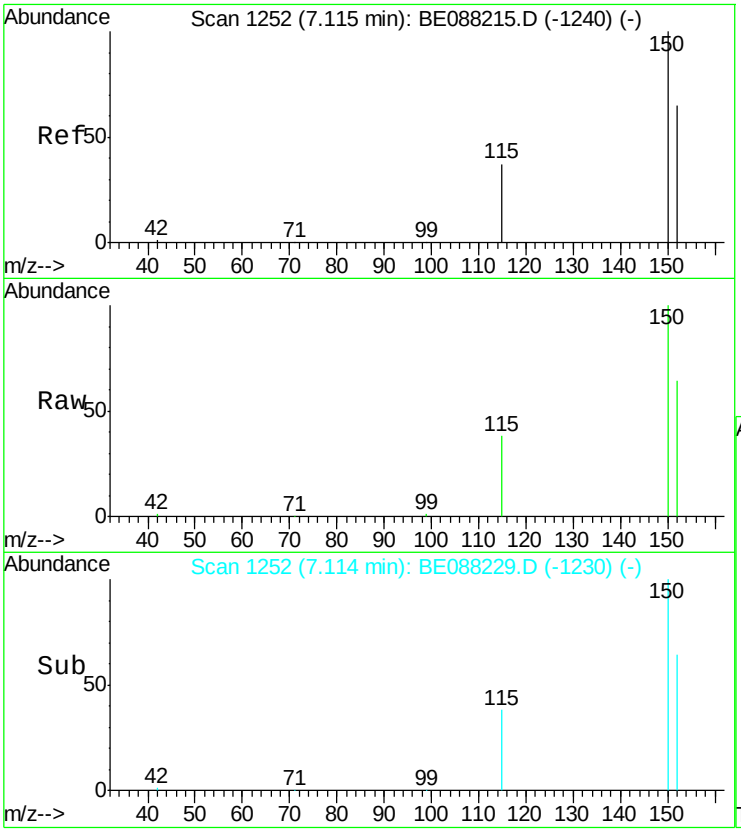
Quant Time: Oct 27 13:46:31 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration



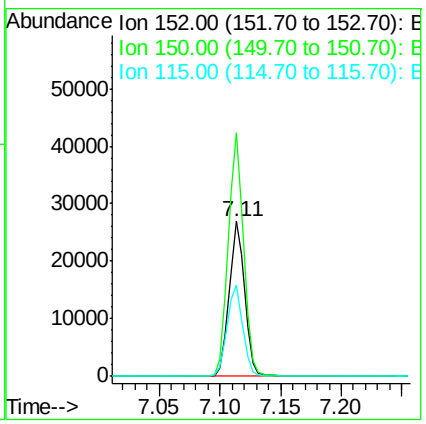


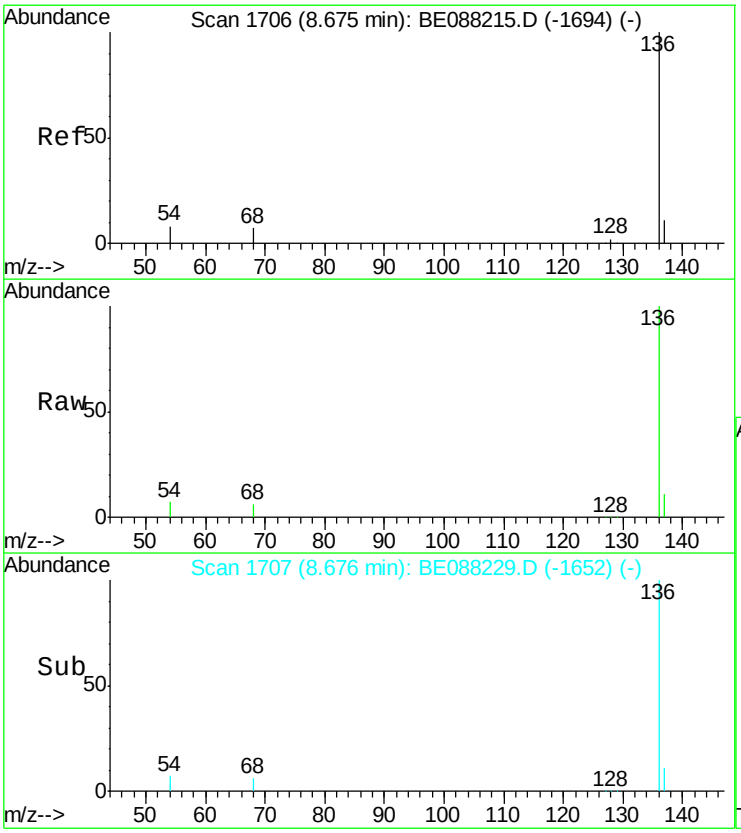
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:152 Resp: 23728

Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.2	184.8
115	59.3	45.3	67.9

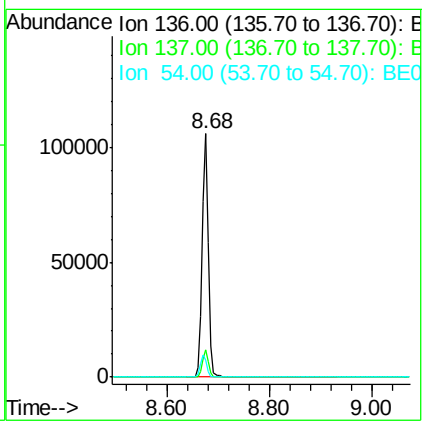


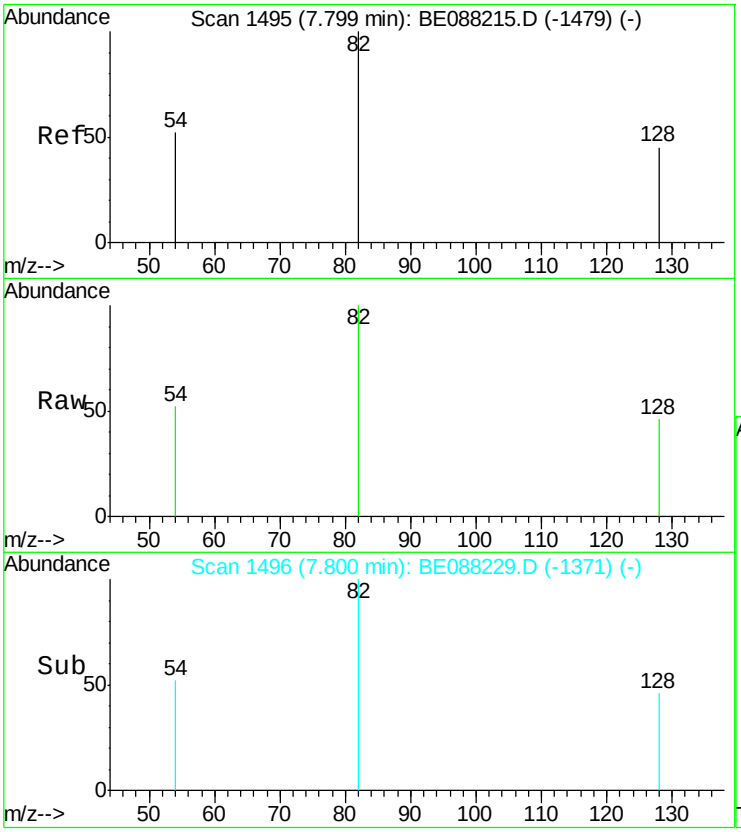


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:136 Resp: 93096

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.8	6.1	9.1



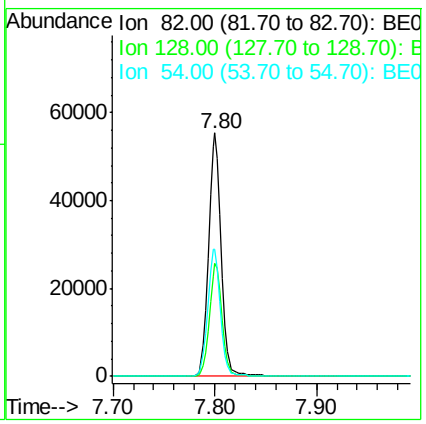


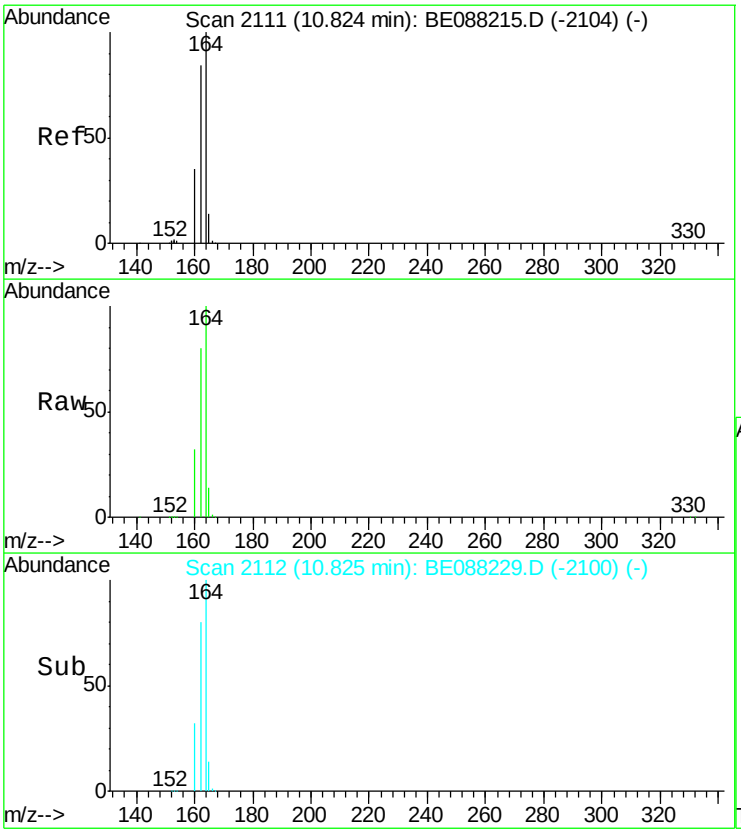
#4
Nitrobenzene-d5
Concen: 6.86 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion: 82 Resp: 47504

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.2	54.2
54	52.4	41.8	62.8

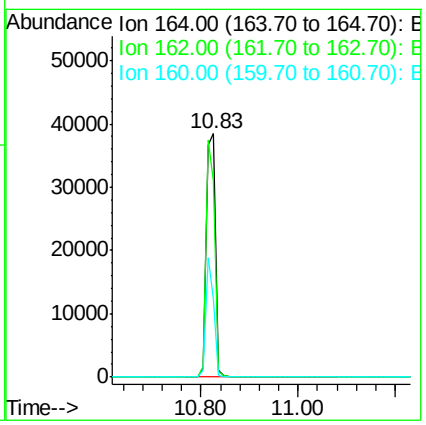


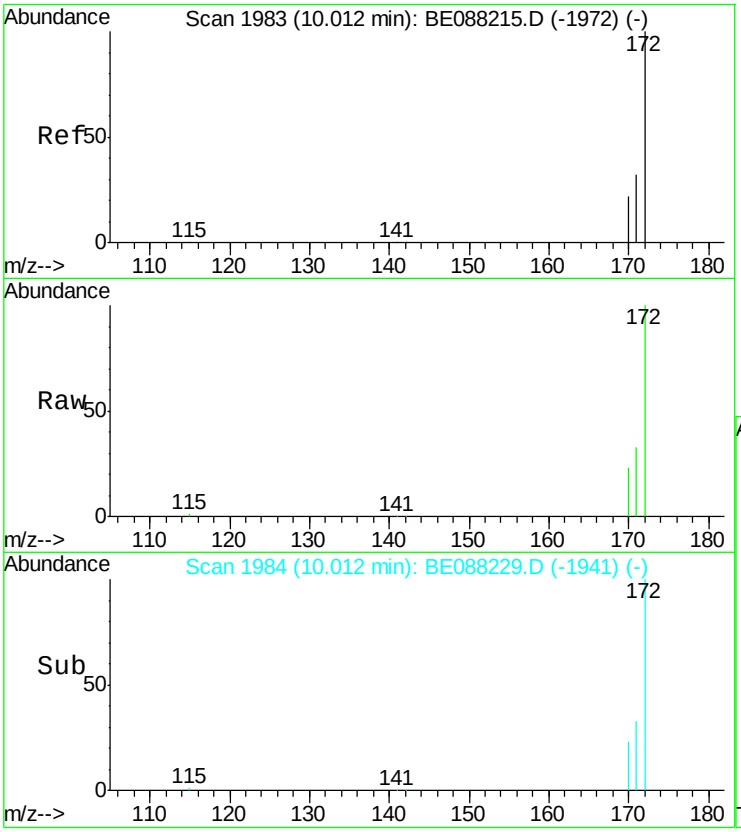


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.83 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:164 Resp: 51441

Ion	Ratio	Lower	Upper
164	100		
162	80.5	67.4	101.0
160	32.2	27.7	41.5



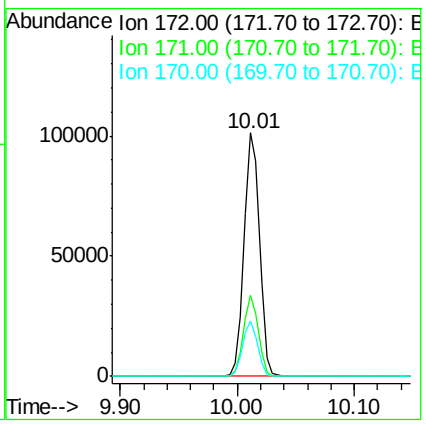


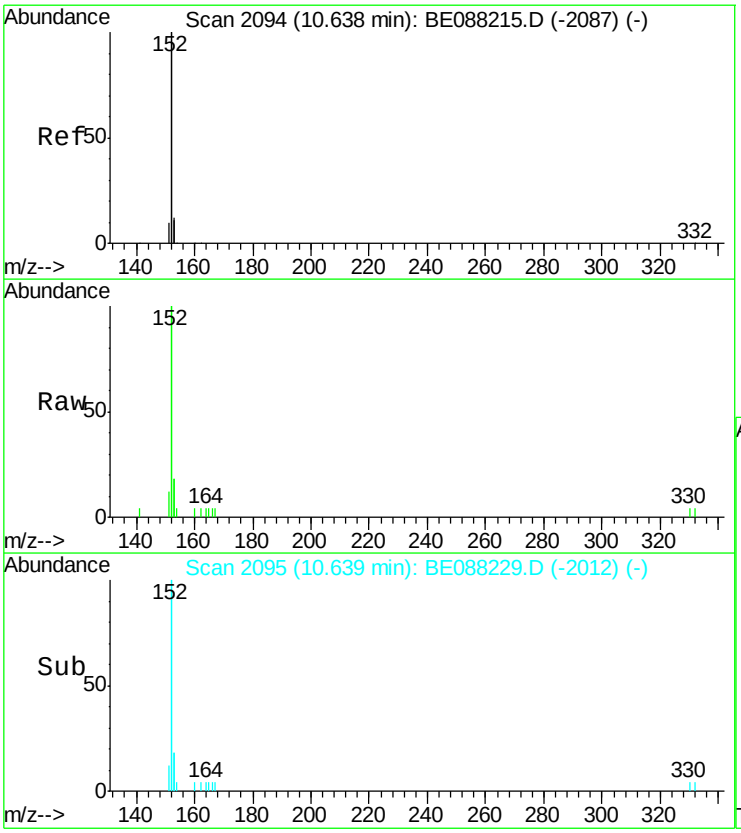
#8
2-Fluorobiphenyl
Concen: 6.46 ng
RT: 10.01 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:172 Resp: 92617

Ion	Ratio	Lower	Upper
172	100		
171	33.1	25.8	38.6
170	23.0	17.4	26.0

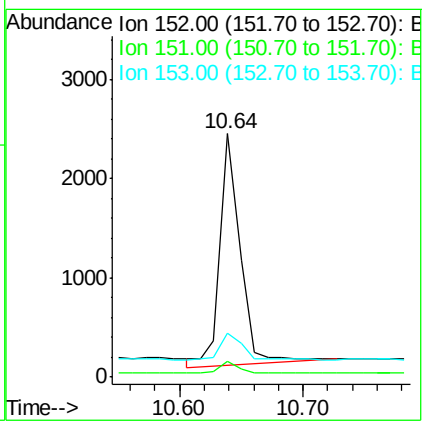


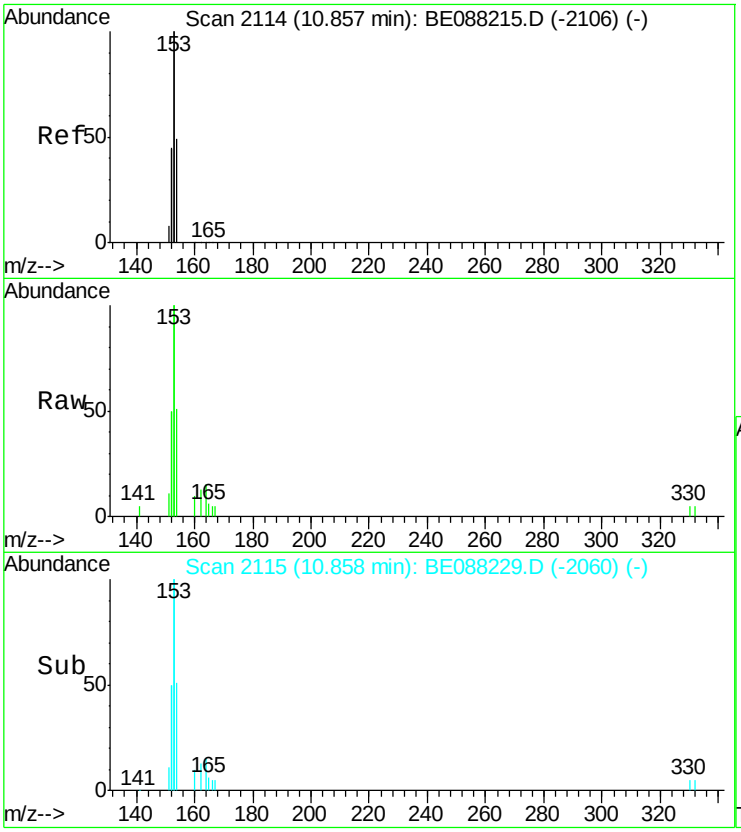


#9
Acenaphthylene
Concen: 0.03 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:152 Resp: 2662

Ion	Ratio	Lower	Upper
152	100		
151	4.2	3.7	5.5
153	21.4	10.3	15.5#



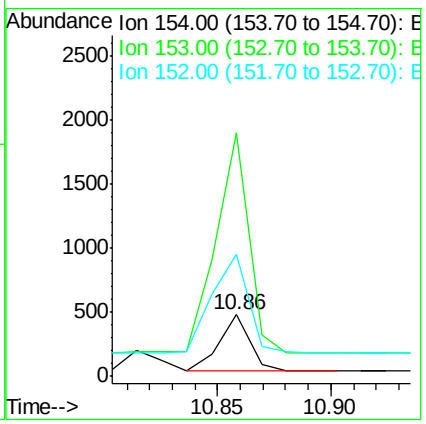


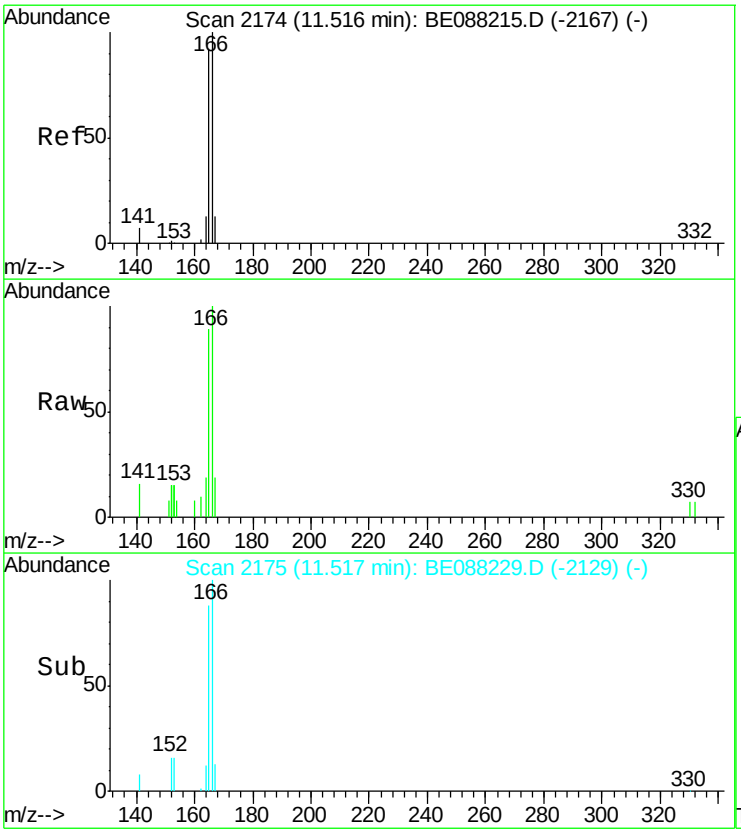
#10
Acenaphthene
Concen: 0.03 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:154 Resp: 411

Ion	Ratio	Lower	Upper
154	100		
153	419.0	326.0	489.0
152	210.9	155.6	233.4

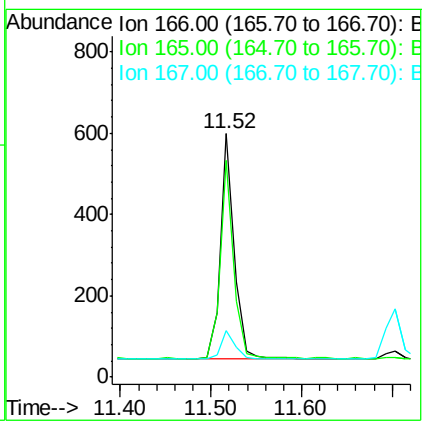


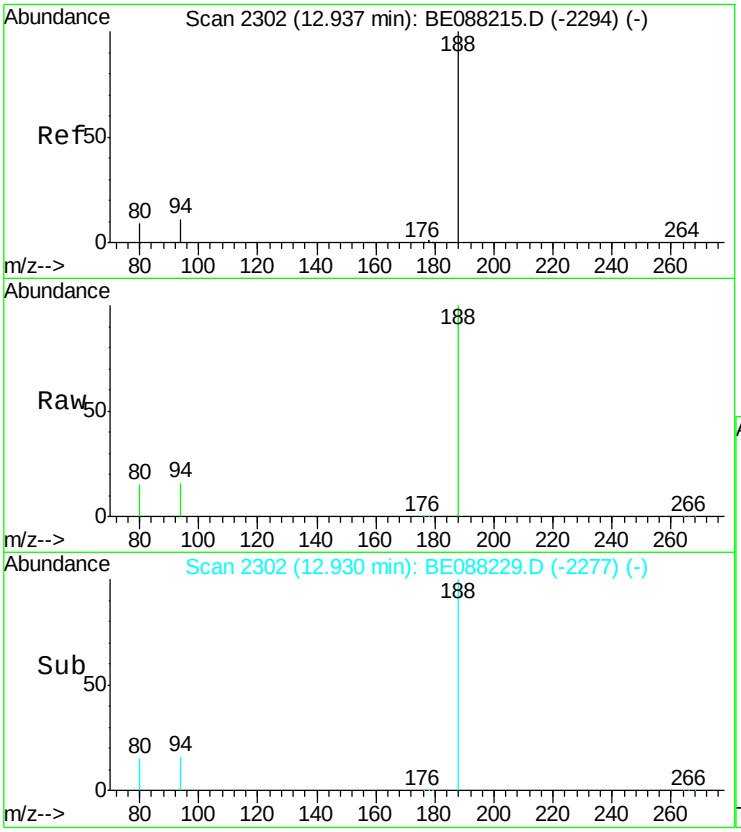


#11
Fluorene
Concen: 0.05 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:166 Resp: 588

Ion	Ratio	Lower	Upper
166	100		
165	89.1	71.8	107.6
167	13.9	10.7	16.1



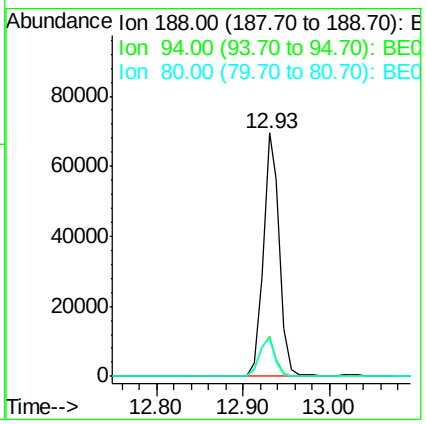


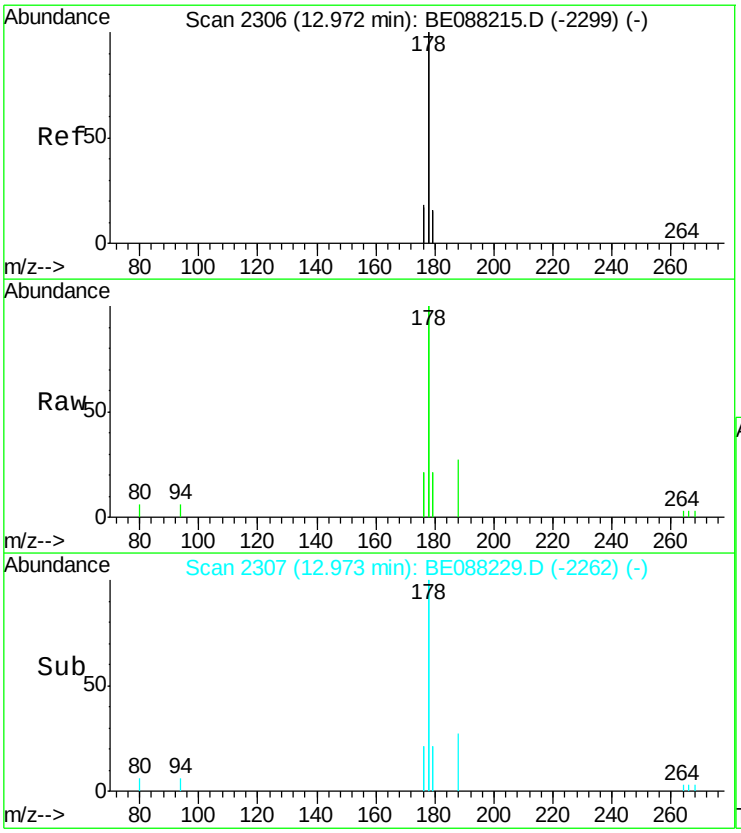
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:188 Resp: 113896

Ion	Ratio	Lower	Upper
188	100		
94	16.4	8.5	12.7#
80	15.3	7.4	11.0#

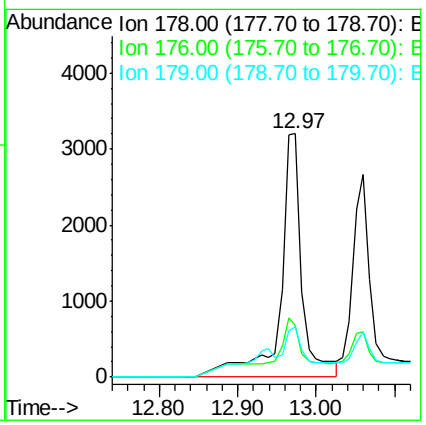


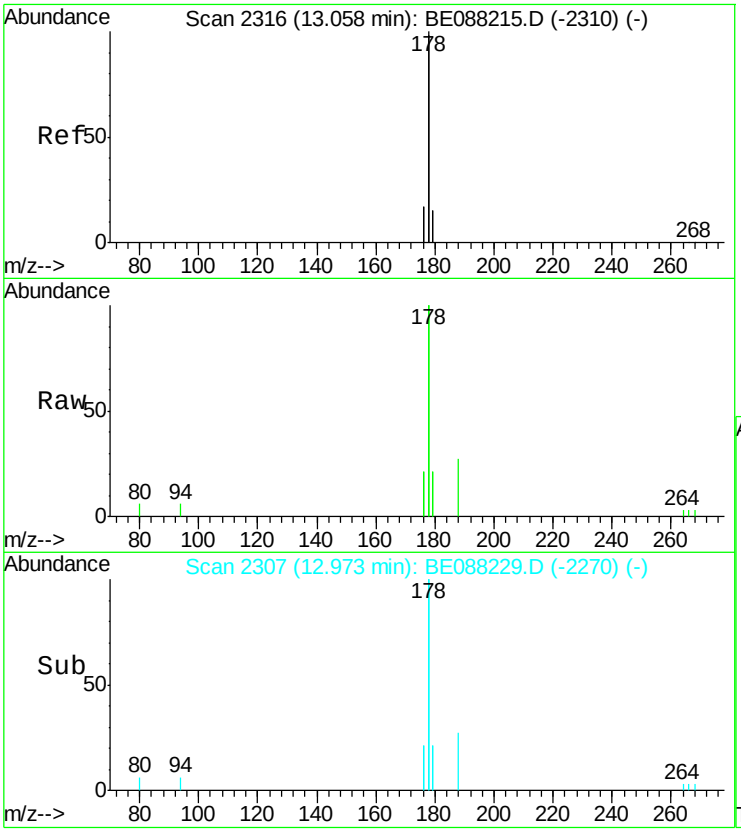


#13
Phenanthrene
Concen: 0.07 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:178 Resp: 7429

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.0	21.0
179	13.9	11.8	17.6



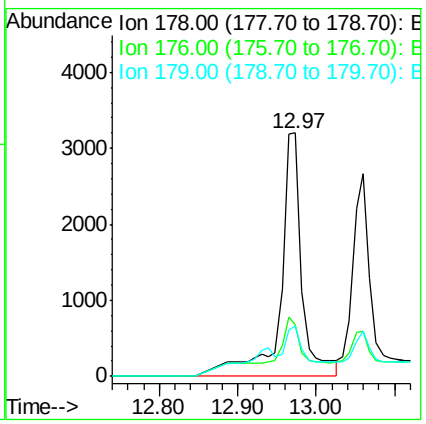


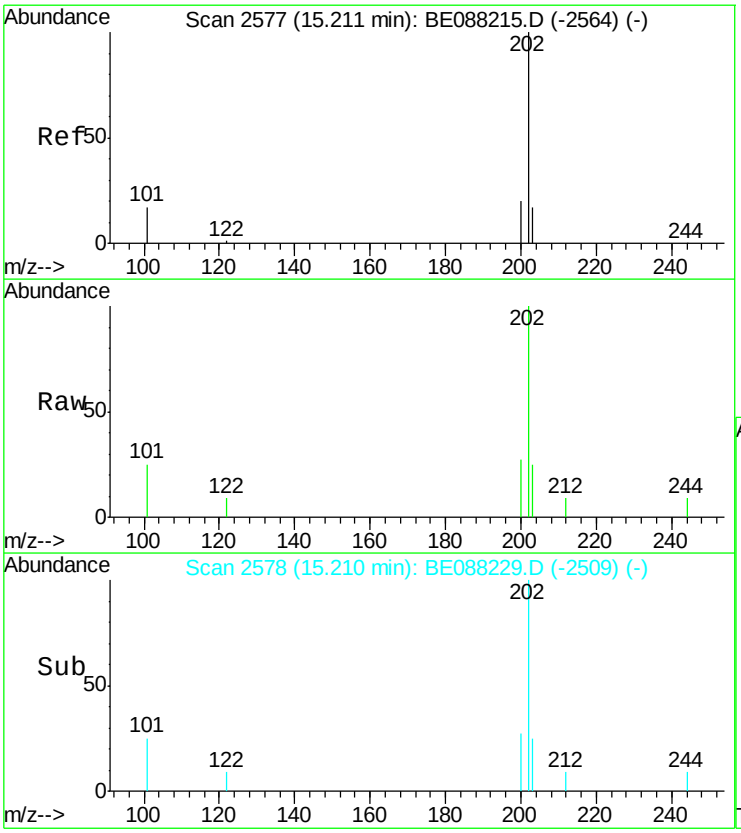
#14
Anthracene
Concen: 0.09 ng
RT: 12.97 min Scan# 2307
Delta R.T. -0.08 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:178 Resp: 7429

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	13.9	12.3	18.5

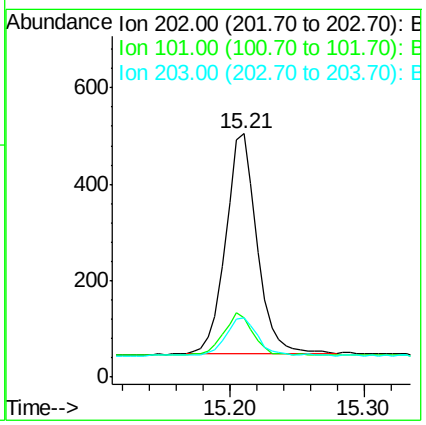


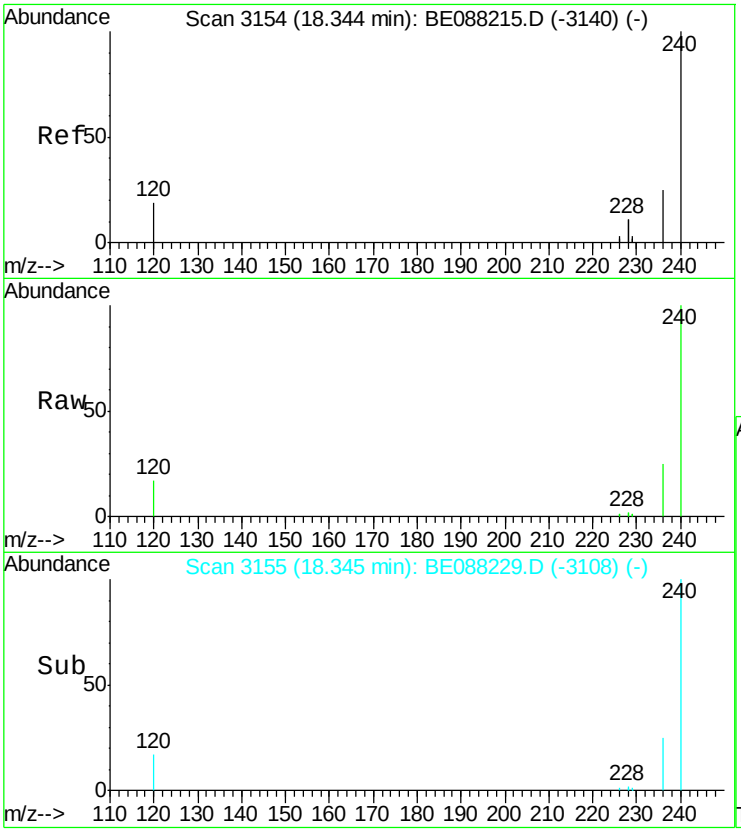


#15
Fluoranthene
Concen: 0.04 ng
RT: 15.21 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:202 Resp: 733

Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.4	21.6
203	17.2	13.4	20.2



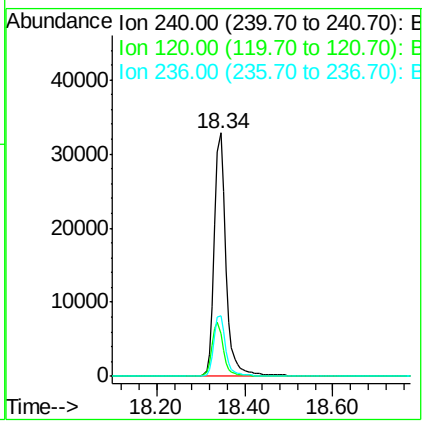


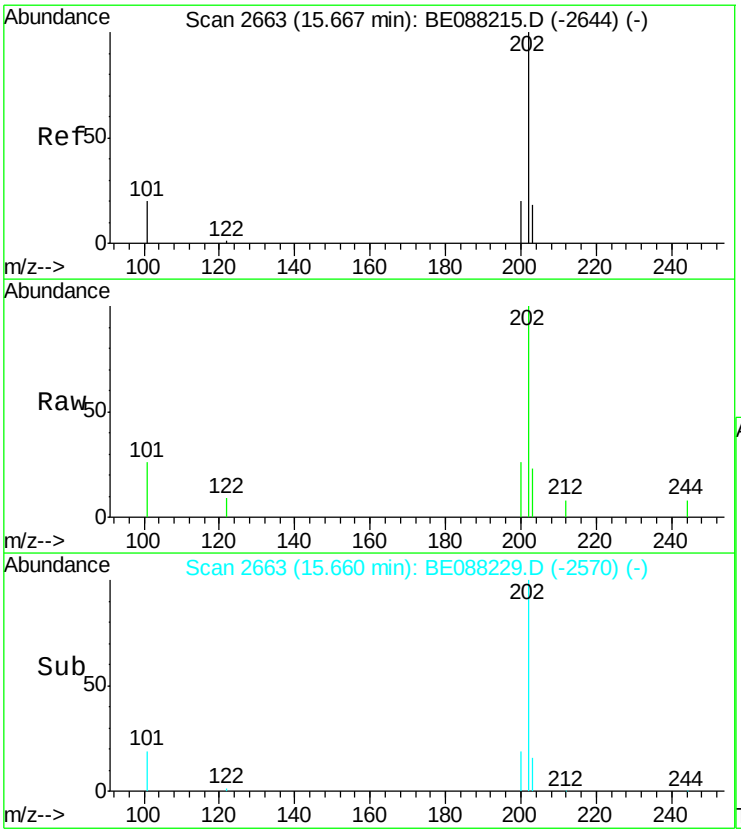
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:240 Resp: 60426

Ion	Ratio	Lower	Upper
240	100		
120	17.5	15.1	22.7
236	25.1	20.1	30.1

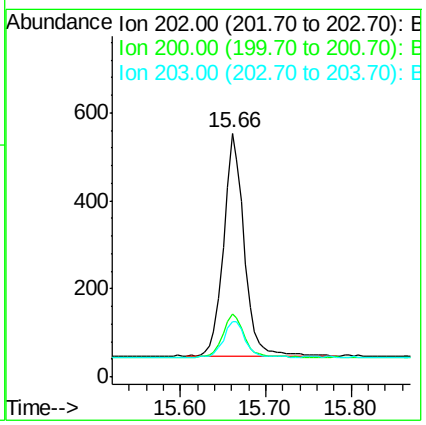


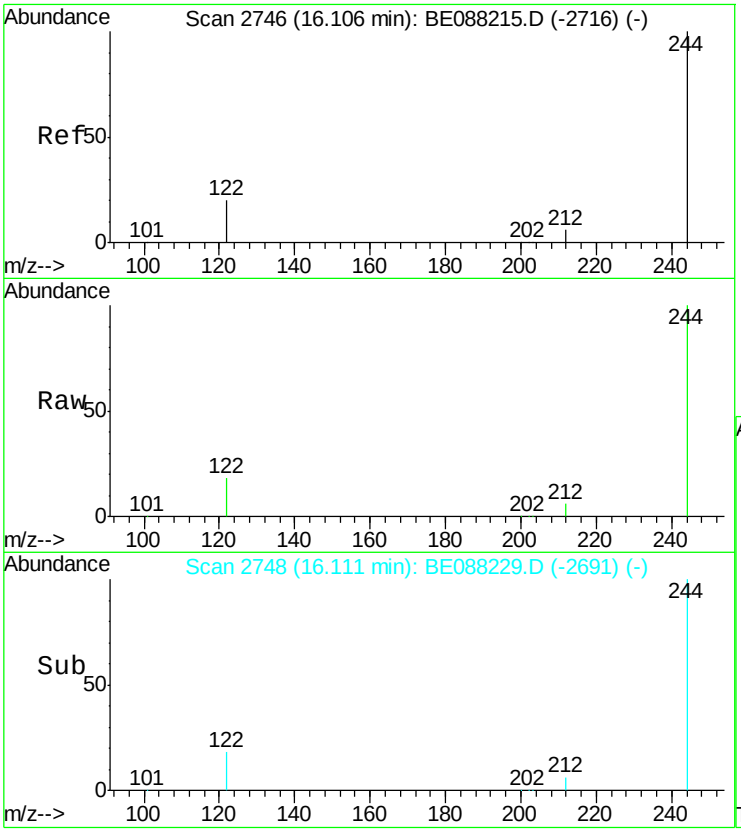


#17
Pyrene
Concen: 0.05 ng
RT: 15.66 min Scan# 2663
Delta R.T. -0.01 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:202 Resp: 841

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	18.0	13.8	20.8



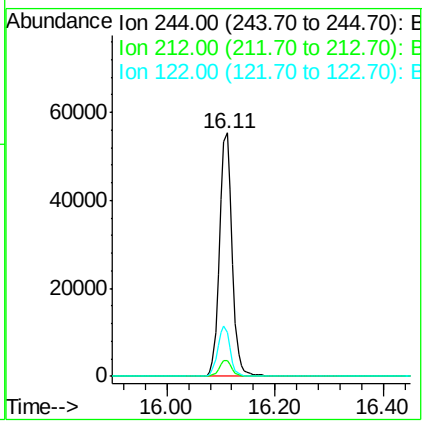


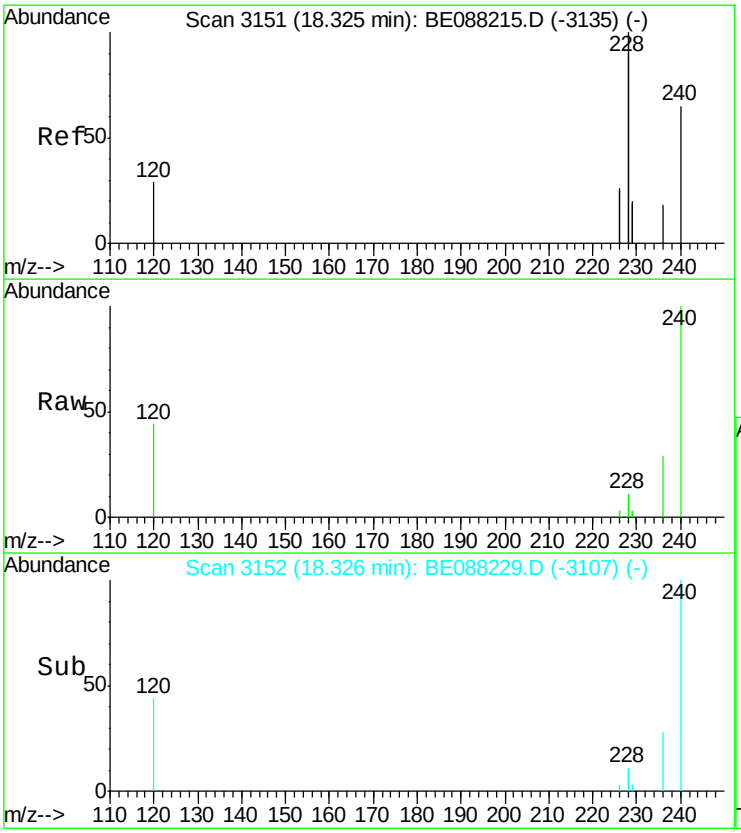
#18
Terphenyl-d14
Concen: 8.97 ng
RT: 16.11 min Scan# 2748
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:244 Resp: 88726

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	17.8	16.7	25.1

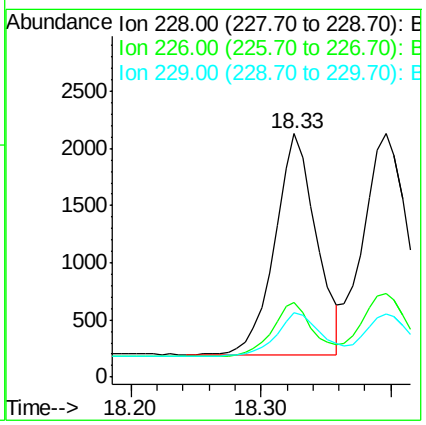


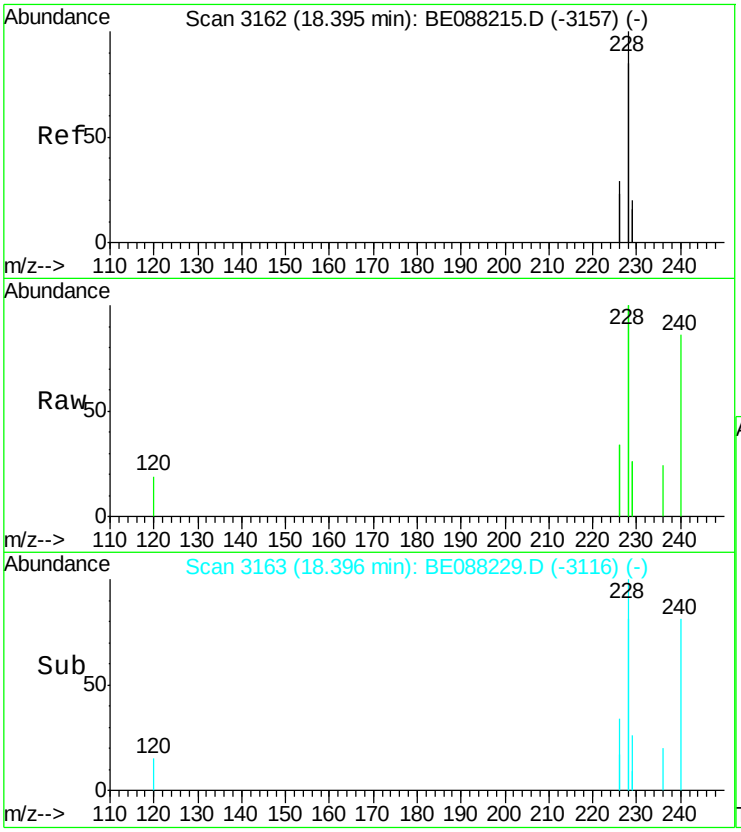


#19
Benzo(a)anthracene
Concen: 0.09 ng
RT: 18.33 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:228 Resp: 4295

Ion	Ratio	Lower	Upper
228	100		
226	30.5	20.5	30.7
229	26.6	16.1	24.1#



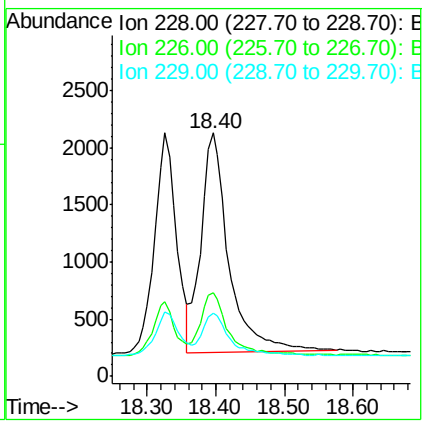


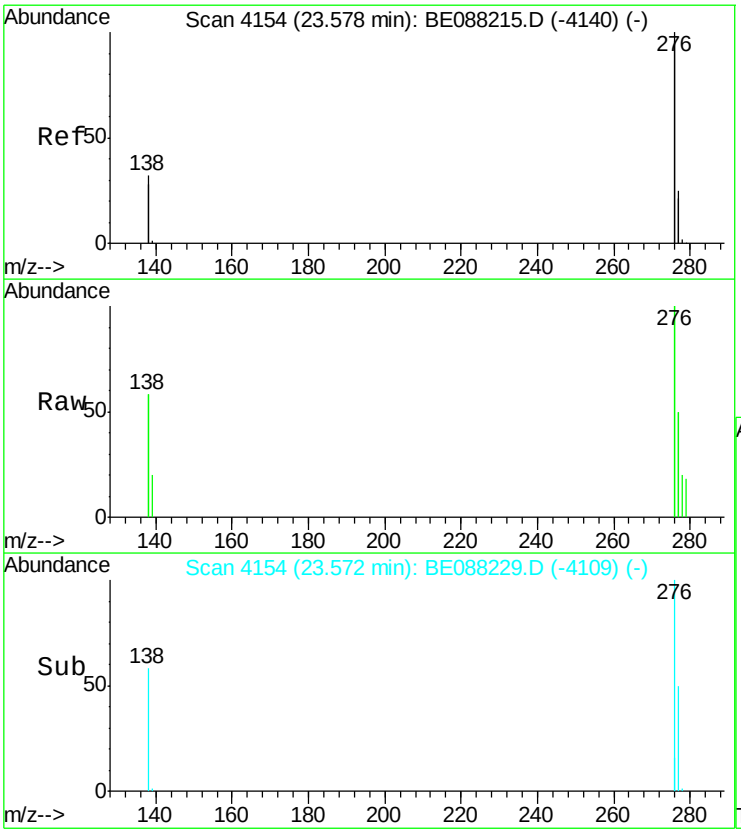
#20
Chrysene
Concen: 0.10 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:228 Resp: 5353

Ion	Ratio	Lower	Upper
228	100		
226	34.5	23.3	34.9
229	26.1	15.6	23.4#

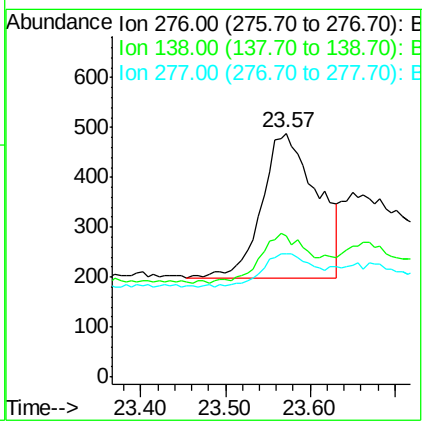


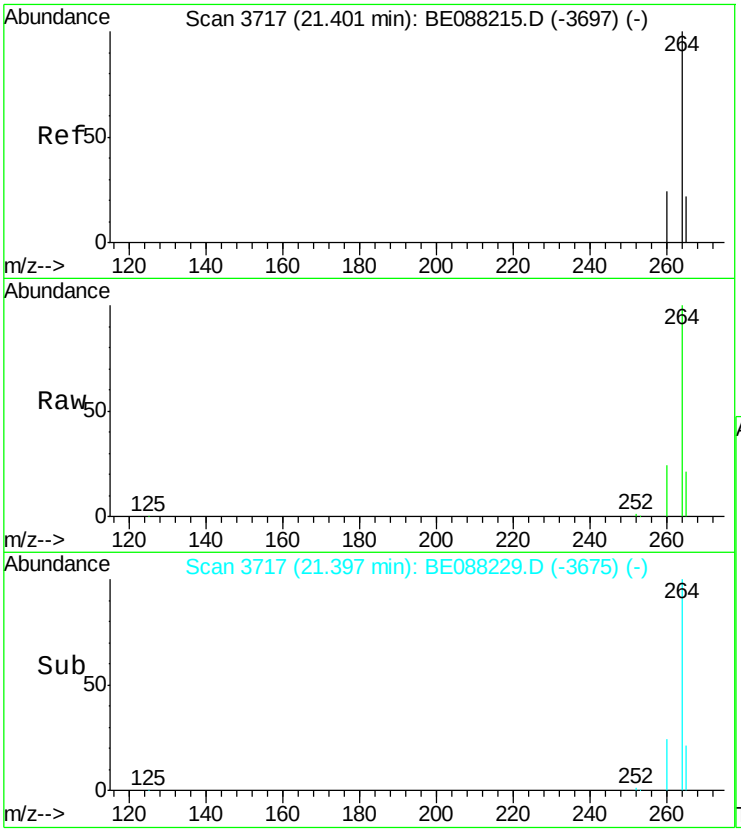


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.27 ng
RT: 23.57 min Scan# 4154
Delta R.T. -0.01 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:276 Resp: 1315

Ion	Ratio	Lower	Upper
276	100		
138	29.1	13.9	20.9#
277	21.2	10.7	16.1#



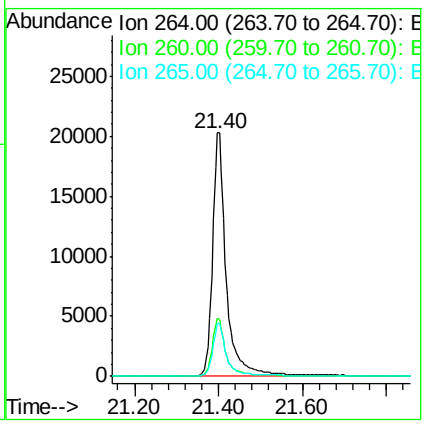


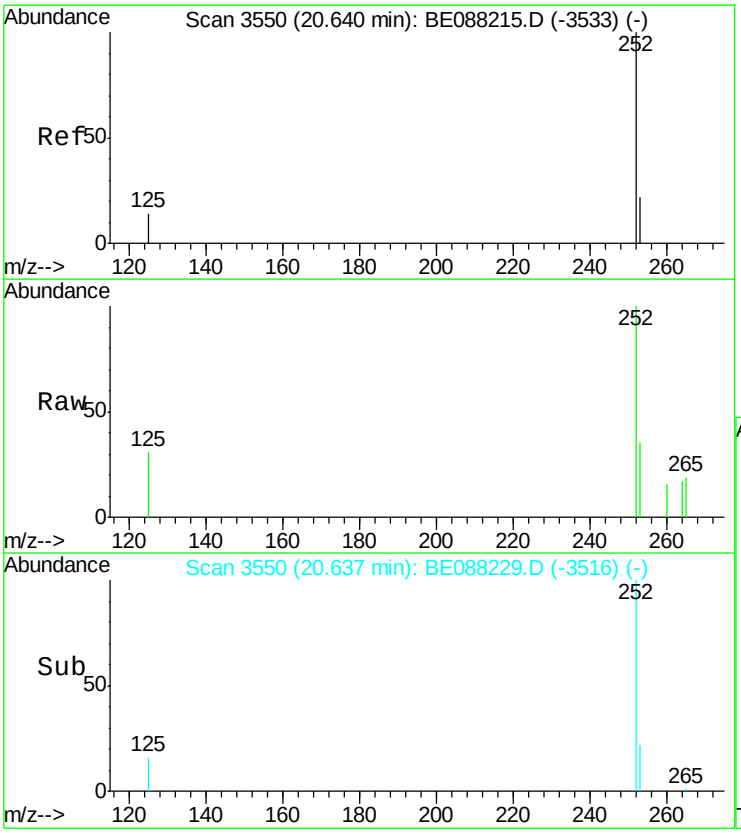
#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:264 Resp: 45159

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.5	17.4	26.2

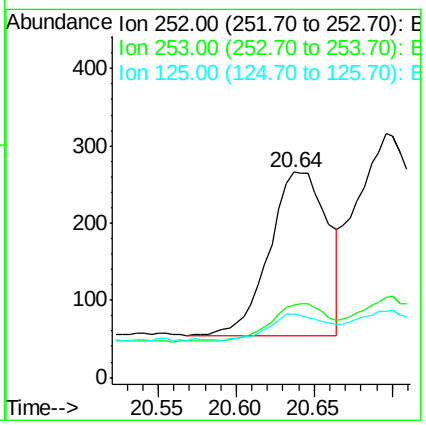


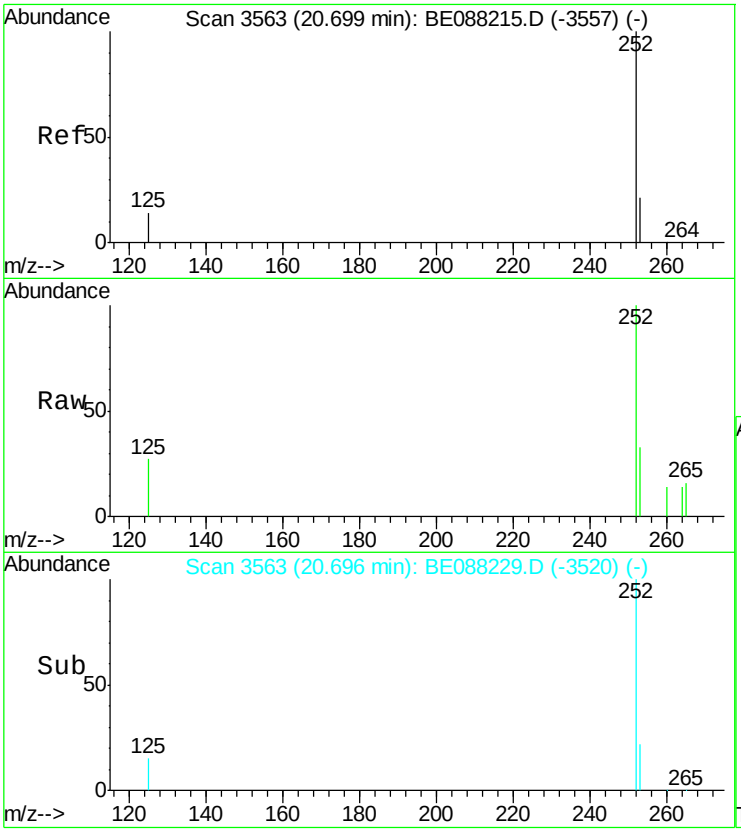


#23
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 20.64 min Scan# 3550
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:252 Resp: 550

Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.9	26.9#
125	31.2	12.2	18.2#



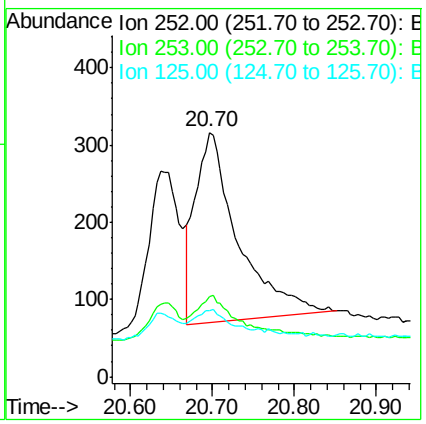


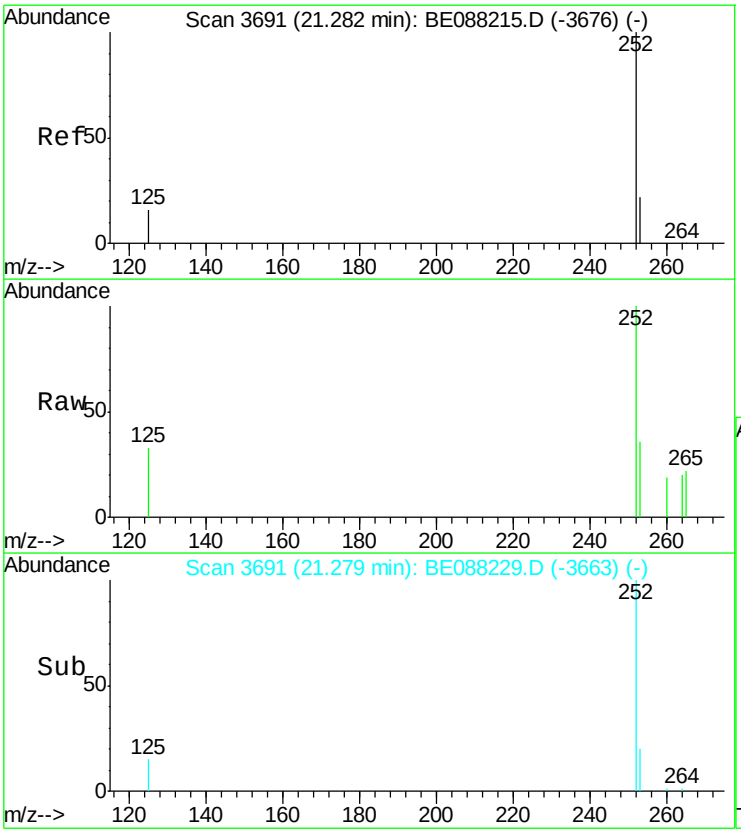
#24
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 20.70 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:252 Resp: 895

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.6	26.4#
125	27.2	12.1	18.1#

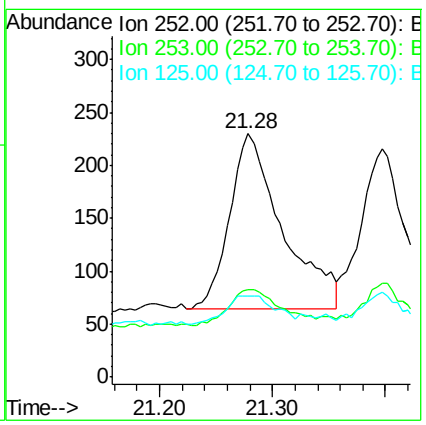


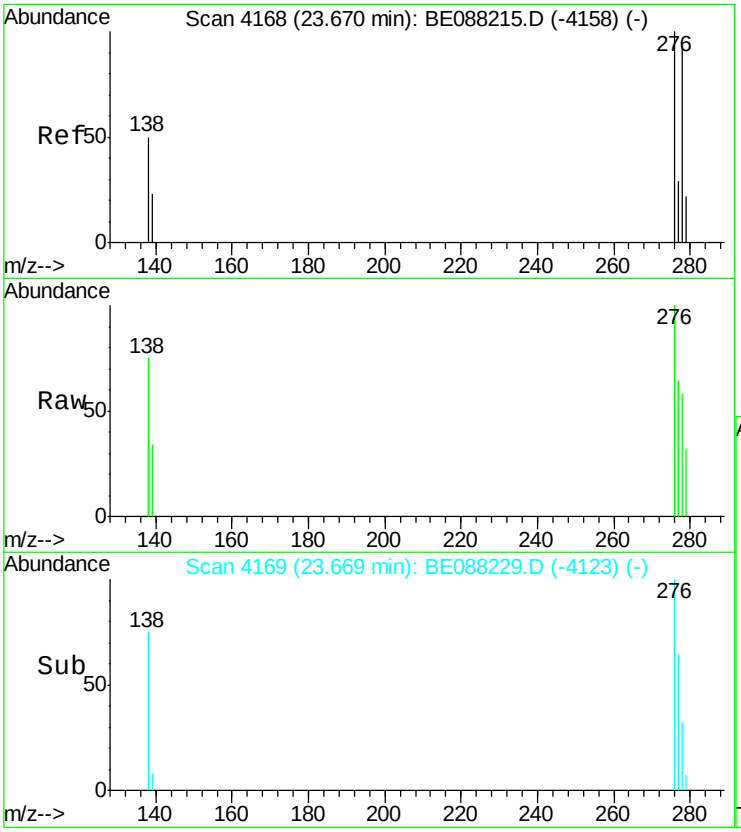


#25
Benzo(a)pyrene
Concen: 0.22 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:252 Resp: 532

Ion	Ratio	Lower	Upper
252	100		
253	36.1	17.8	26.8#
125	33.5	13.5	20.3#



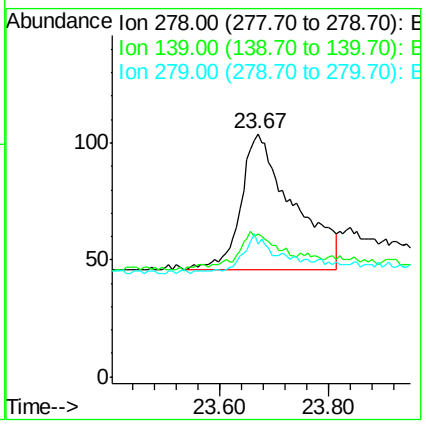


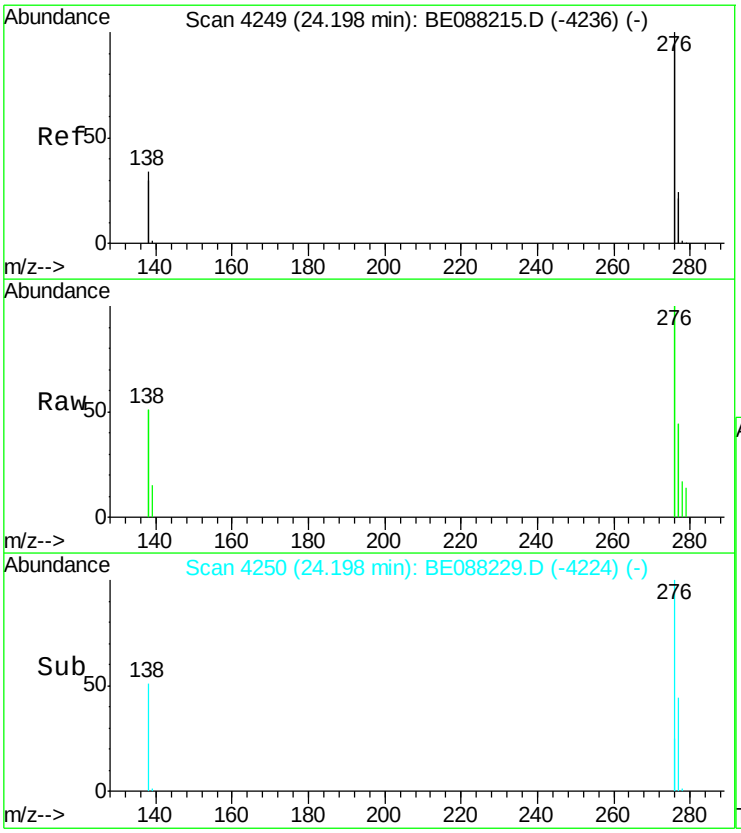
#26
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 23.67 min Scan# 4169
Delta R.T. 0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Instrument :
BNA_E
ClientSampleId :
PB79839BL

Tgt Ion:278 Resp: 381

Ion	Ratio	Lower	Upper
278	100		
139	58.7	22.1	33.1#
279	54.8	20.2	30.2#





#27
Benzo(g,h,i)perylene
Concen: 0.08 ng
RT: 24.20 min Scan# 4250
Delta R.T. -0.00 min
Lab File: BE088229.D
Acq: 25 Oct 2014 3:21

Tgt Ion:276 Resp: 2957

Ion	Ratio	Lower	Upper
276	100		
277	44.4	19.4	29.2#
138	50.9	27.3	40.9#