Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091641.D
Acq On : 11 Apr 2016 23:01
Operator : UM/SJ
Sample : H2090-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : KY038PS038-160330

Quant Time: Apr 12 01:50:11 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	74331	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	366559	5.00	ng		-0.02
13) Acenaphthene-d10	14.42	164	223912	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	547788	5.00	ng		0.00
26) Chrysene-d12	21.31	240	697407	5.00	ng		0.00
35) Perylene-d12	23.76	264	635439	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	41560	2.34	ng		0.00
5) Phenol-d6	6.97	99	36592	1.55	ng		0.00
8) Nitrobenzene-d5	8.96	82	77334	3.63	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	71309	8.68	ng		0.00
15) 2-Fluorobiphenyl	13.05	172	238554	3.83	ng		0.00
29) Terphenyl-d14	19.76	244	458775	5.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	460	Below Cal		#	51
9) Nitrobenzene	8.96	77	273	0.18	ng	#	39
22) Pentachlorophenol	16.81	266	149	0.24	ng		87
27) Benzidine	19.40	184	257	0.34	ng	#	1
30) Benzo(a)anthracene	21.29	228	10326	0.07	ng		98
31) 3,3'-Dichlorobenzidine	21.24	252	185	0.17	ng	#	63
32) Chrysene	21.29	228	10401	0.07	ng		96
33) Bis(2-ethylhexyl)phthalate	21.22	149	12953	0.37	ng	#	83
34) Indeno(1,2,3-cd)pyrene	26.32	276	4004	0.03	ng		98
36) Benzo(b)fluoranthene	23.01	252	3874	0.03	ng	#	73
37) Benzo(k)fluoranthene	23.06	252	3708	0.03	ng	#	80
38) Benzo(a)pyrene	23.65	252	3162	0.02	ng	#	64
39) Dibenzo(a,h)anthracene	26.35	278	3777	0.03	ng	#	89
40) Benzo(g,h,i)perylene	27.10	276	3555	0.03	ng	#	91

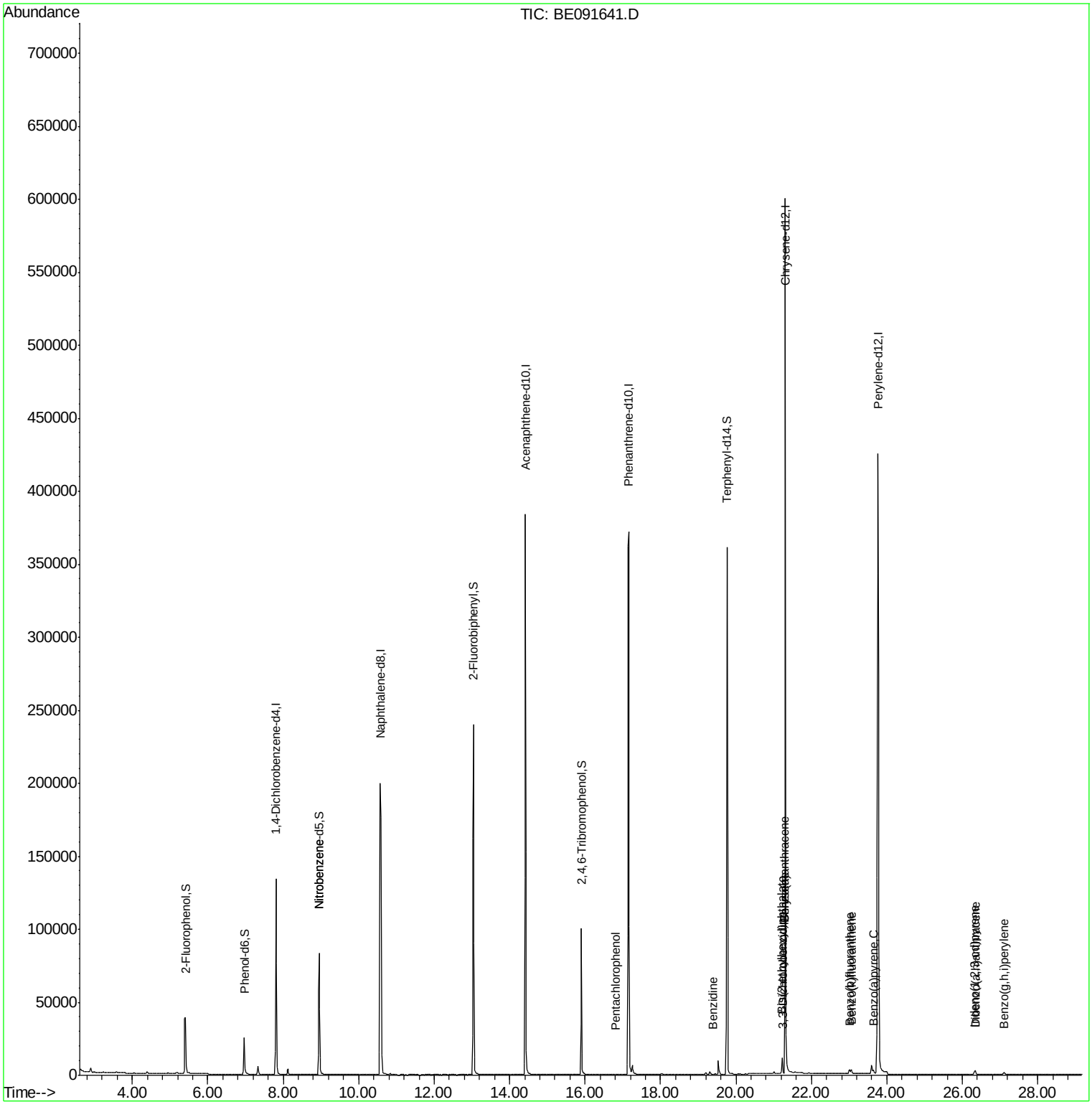
(#) = qualifier out of range (m) = manual integration (+) = signals summed

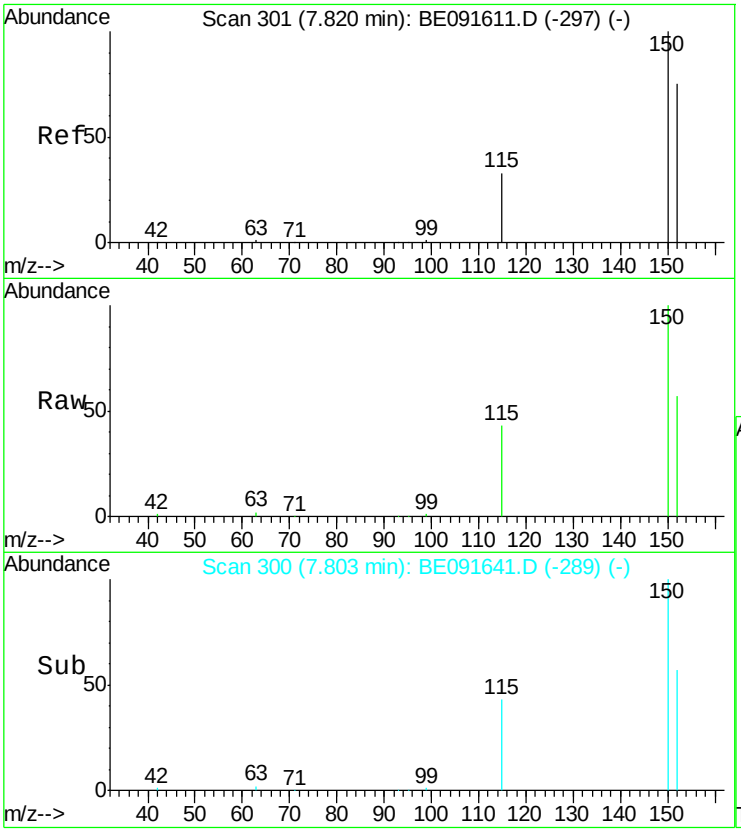
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091641.D
Acq On : 11 Apr 2016 23:01
Operator : UM/SJ
Sample : H2090-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Quant Time: Apr 12 01:50:11 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration



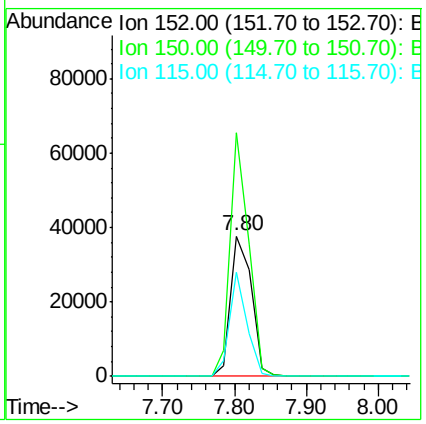


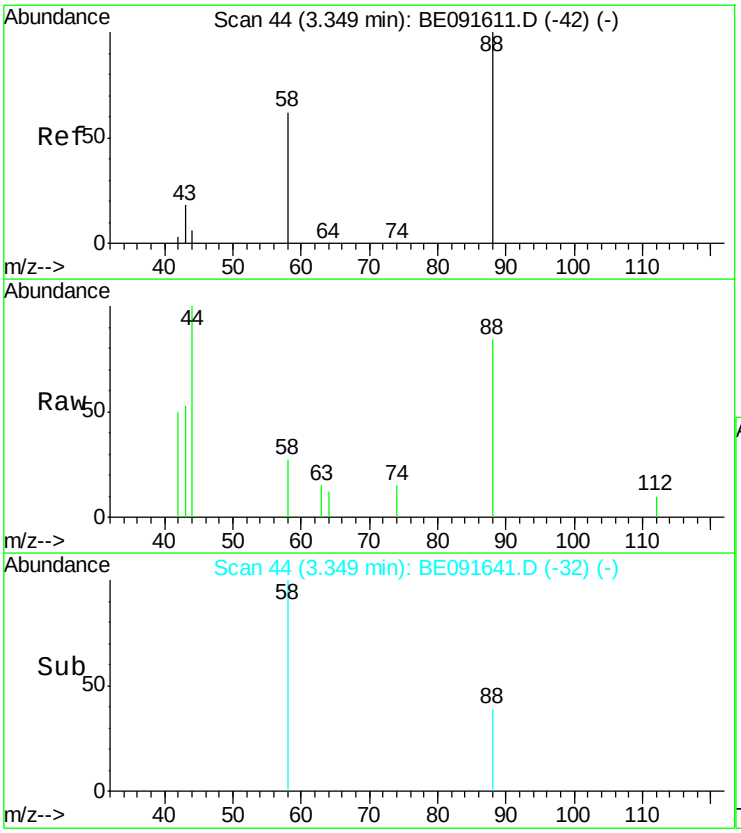
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.02 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:152 Resp: 74331

Ion	Ratio	Lower	Upper
152	100		
150	174.0	122.6	183.8
115	74.7	52.8	79.2

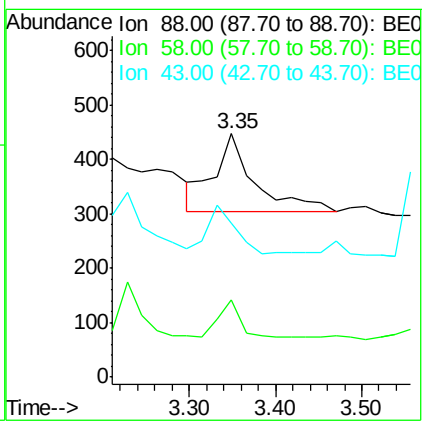


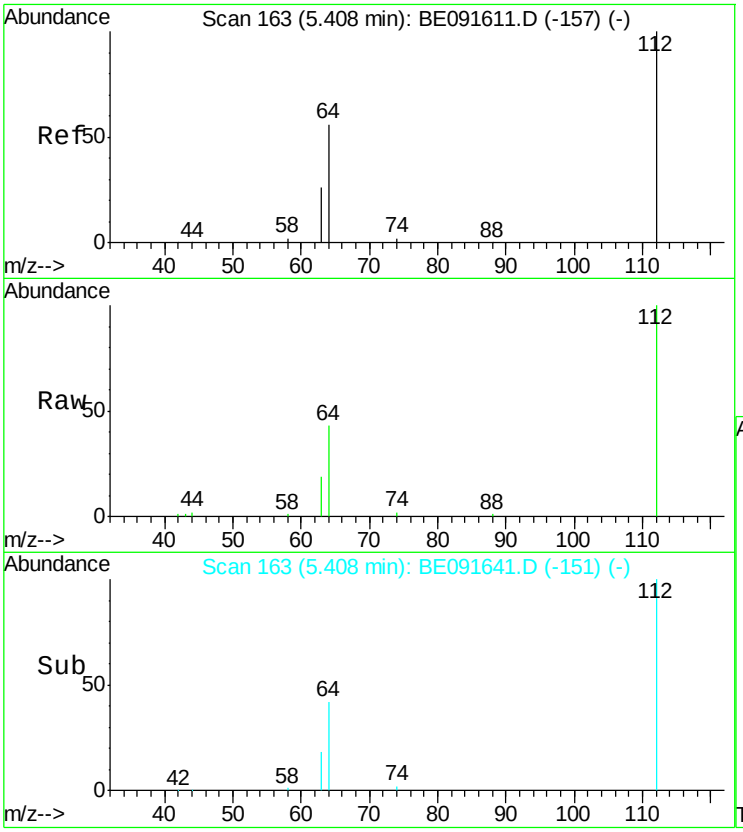


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion: 88 Resp: 460

Ion	Ratio	Lower	Upper
88	100		
58	28.0	65.8	98.6#
43	41.5	25.3	37.9#



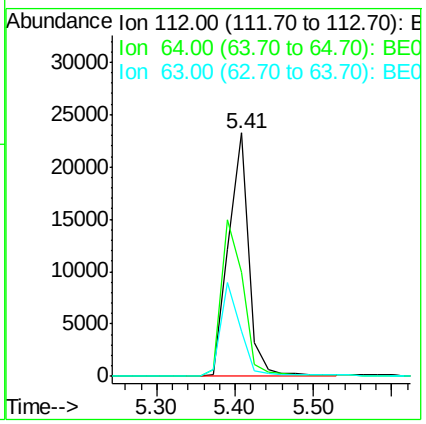


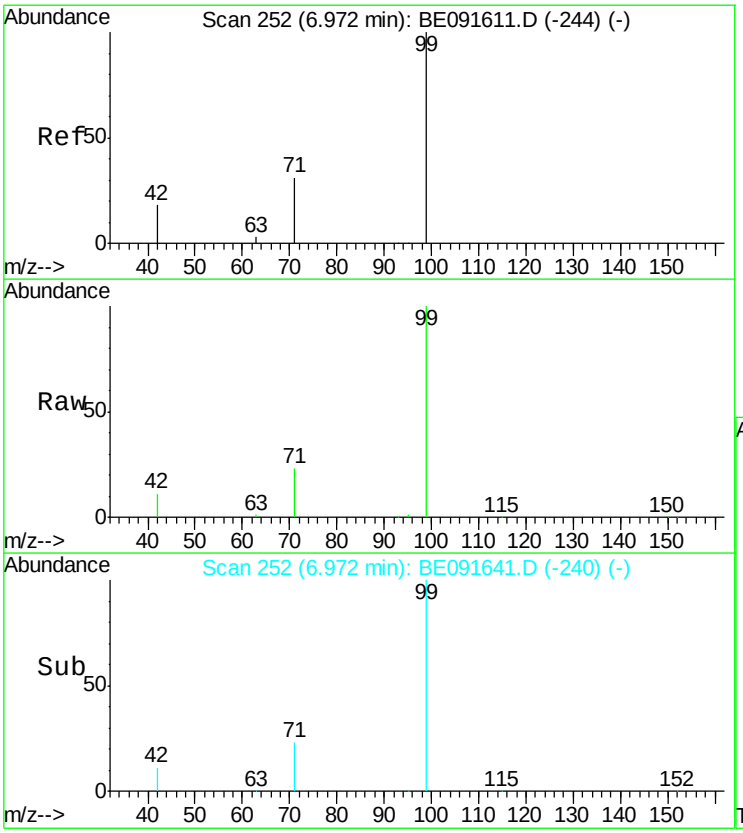
#4
2-Fluorophenol
Concen: 2.34 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:112 Resp: 41560

Ion	Ratio	Lower	Upper
112	100		
64	68.0	30.9	46.3#
63	36.7	16.7	25.1#

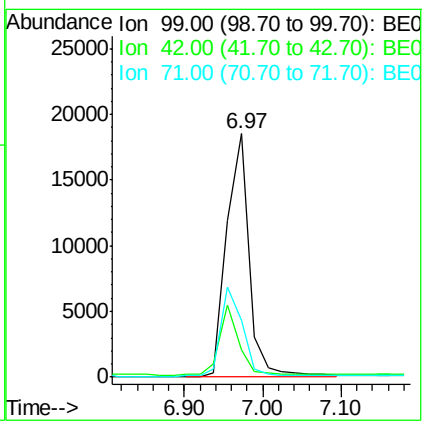


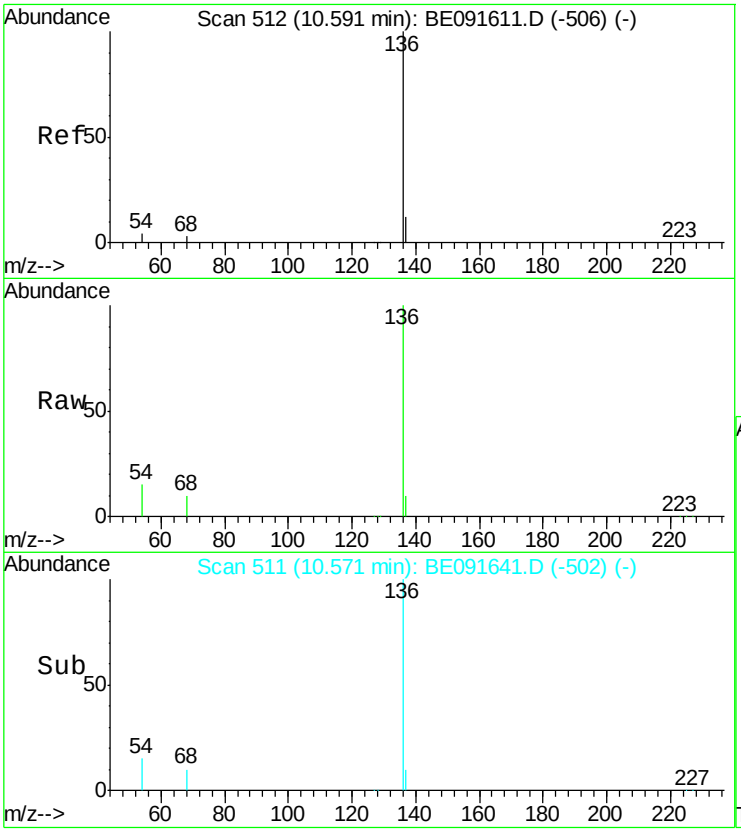


#5
Phenol-d6
Concen: 1.55 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion: 99 Resp: 36592

Ion	Ratio	Lower	Upper
99	100		
42	24.9	16.2	24.2#
71	36.1	29.0	43.4



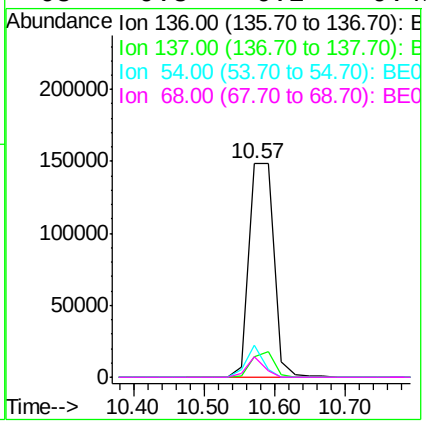


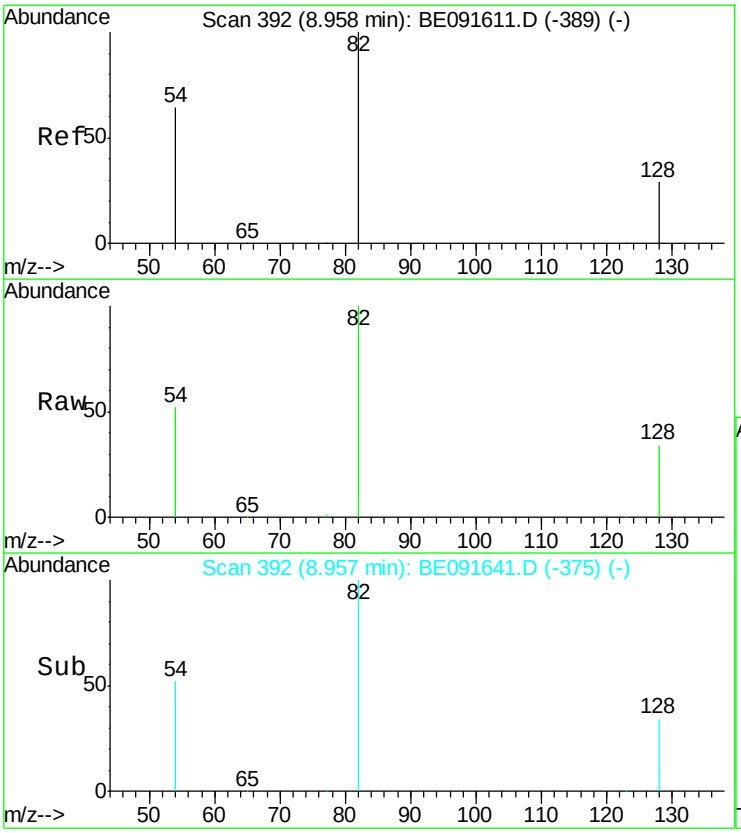
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.02 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:136 Resp: 366559

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.9	13.3
54	15.2	8.2	12.4#
68	9.8	6.2	9.4#

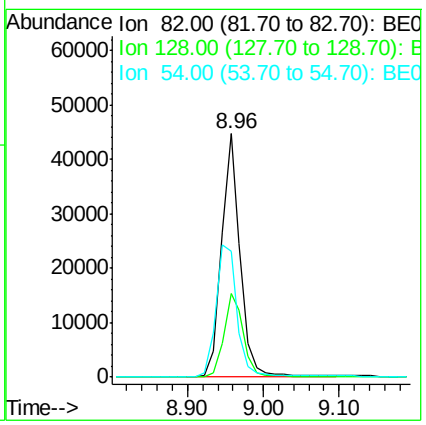


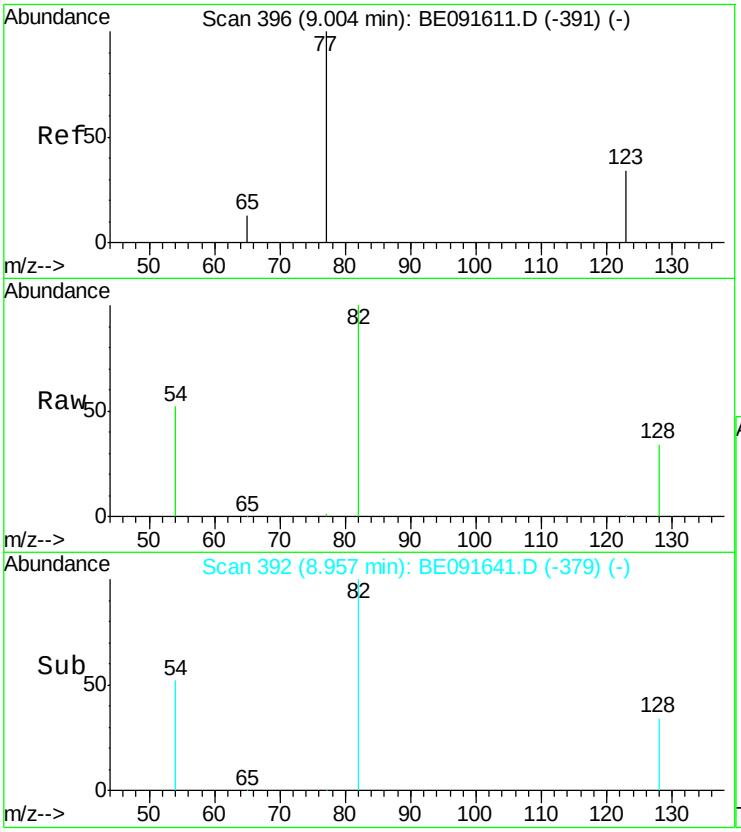


#8
Nitrobenzene-d5
Concen: 3.63 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion: 82 Resp: 77334

Ion	Ratio	Lower	Upper
82	100		
128	34.2	25.4	38.0
54	51.9	48.4	72.6



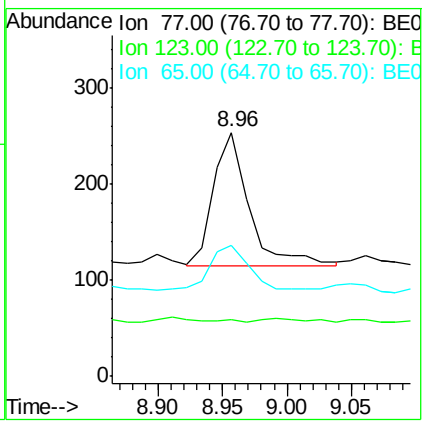


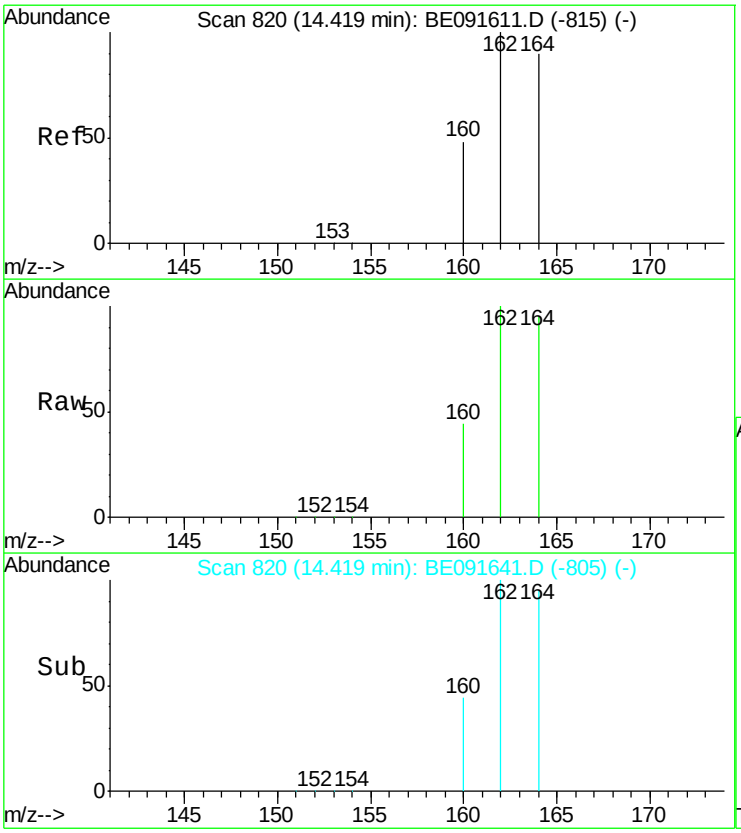
#9
Nitrobenzene
Concen: 0.18 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.05 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion: 77 Resp: 273

Ion	Ratio	Lower	Upper
77	100		
123	0.0	26.9	40.3#
65	37.7	9.4	14.2#

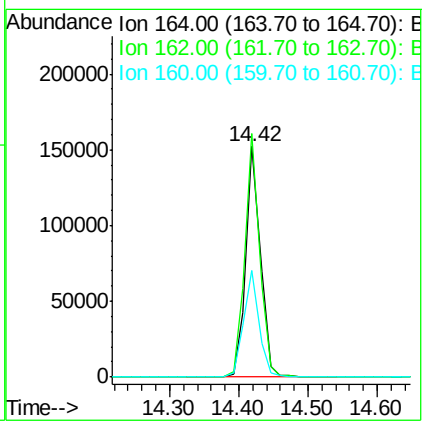


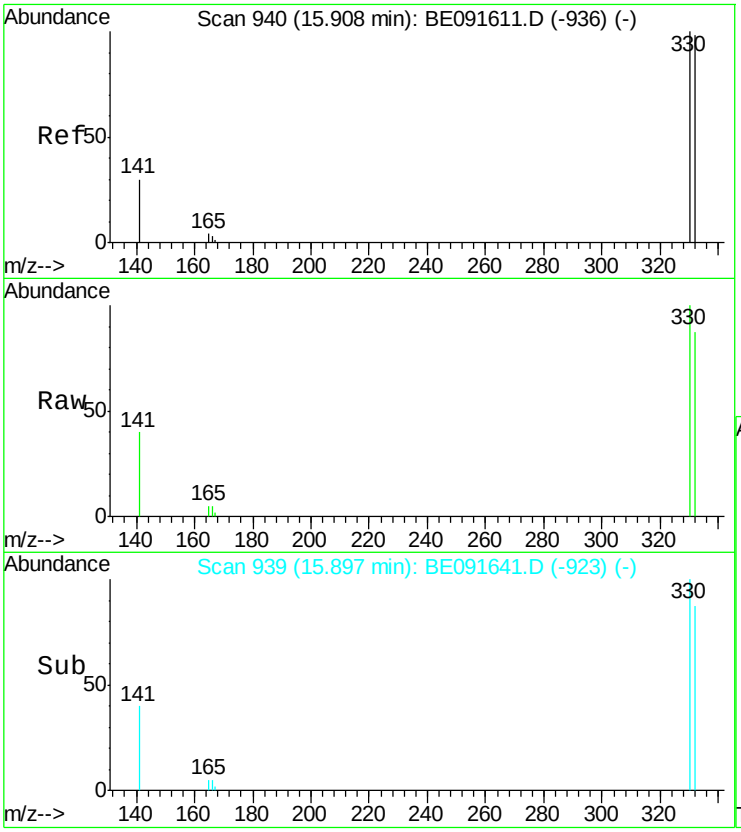


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:164 Resp: 223912

Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.3	127.9
160	46.4	46.2	69.2



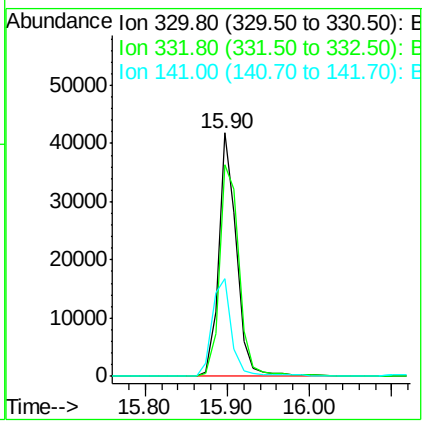


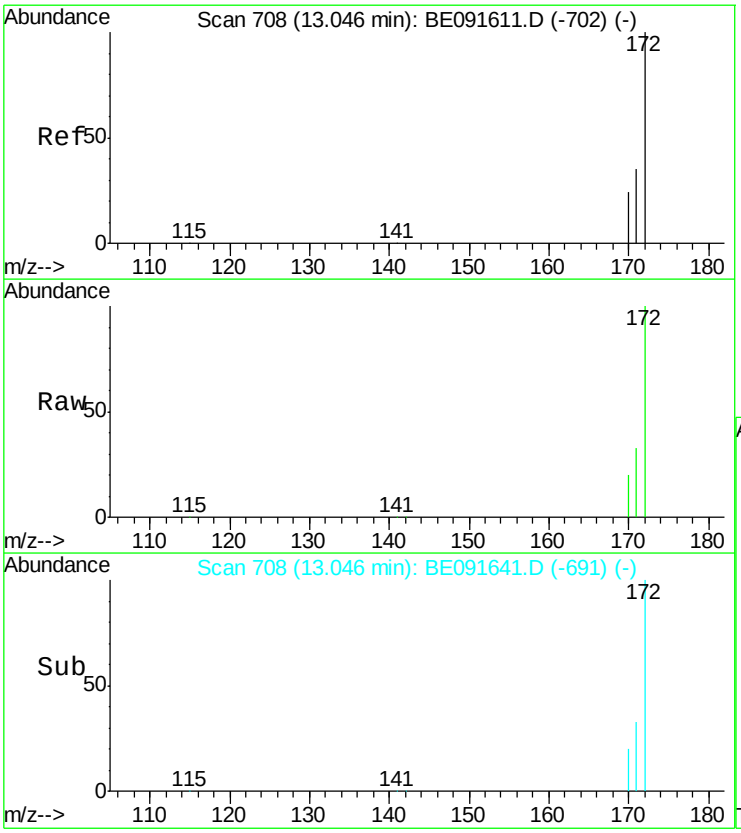
#14
2,4,6-Tribromophenol
Concen: 8.68 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:330 Resp: 71309

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.1	118.7
141	43.4	125.4	188.0#

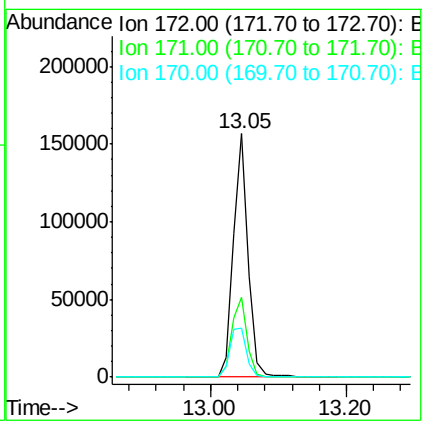


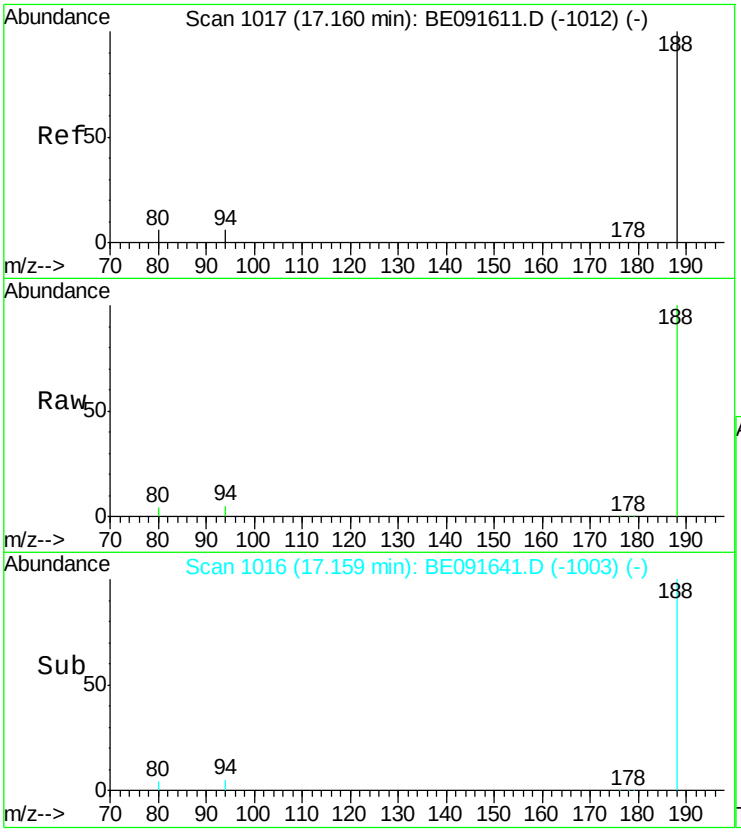


#15
2-Fluorobiphenyl
Concen: 3.83 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:172 Resp: 238554

Ion	Ratio	Lower	Upper
172	100		
171	32.6	28.8	43.2
170	20.1	19.3	28.9



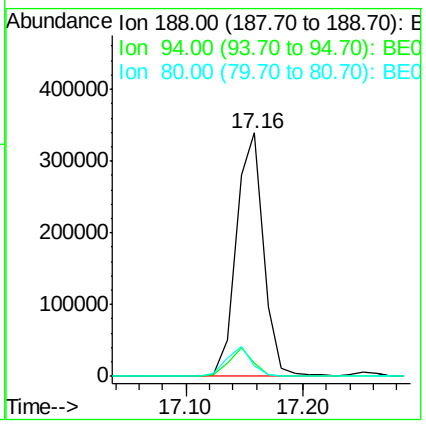


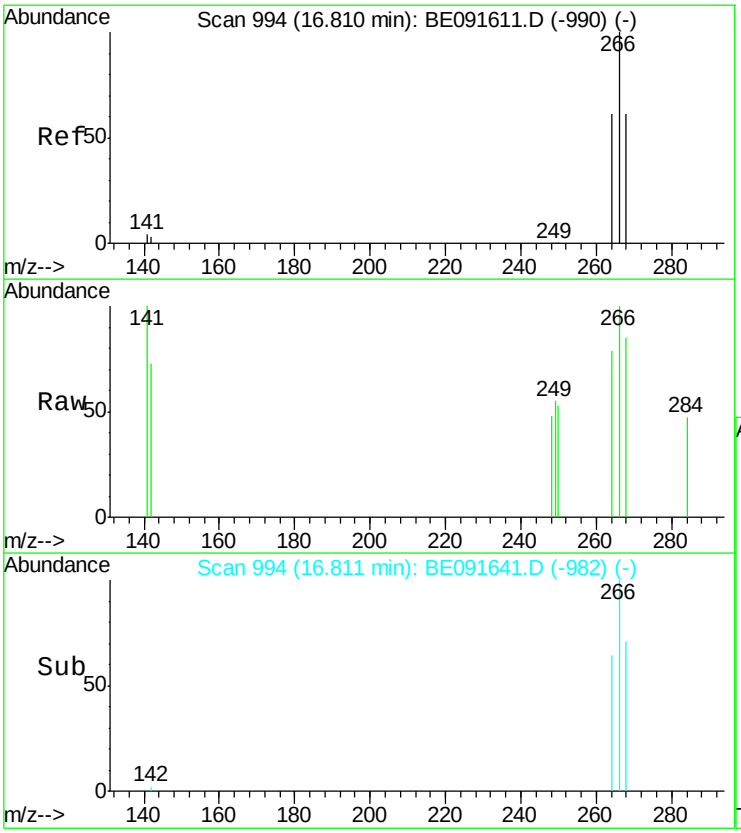
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:188 Resp: 547788

Ion	Ratio	Lower	Upper
188	100		
94	5.2	8.7	13.1#
80	4.4	9.4	14.0#

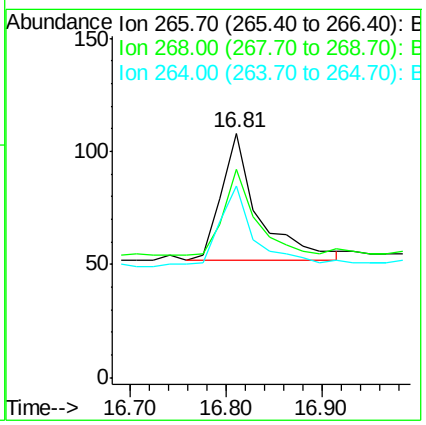


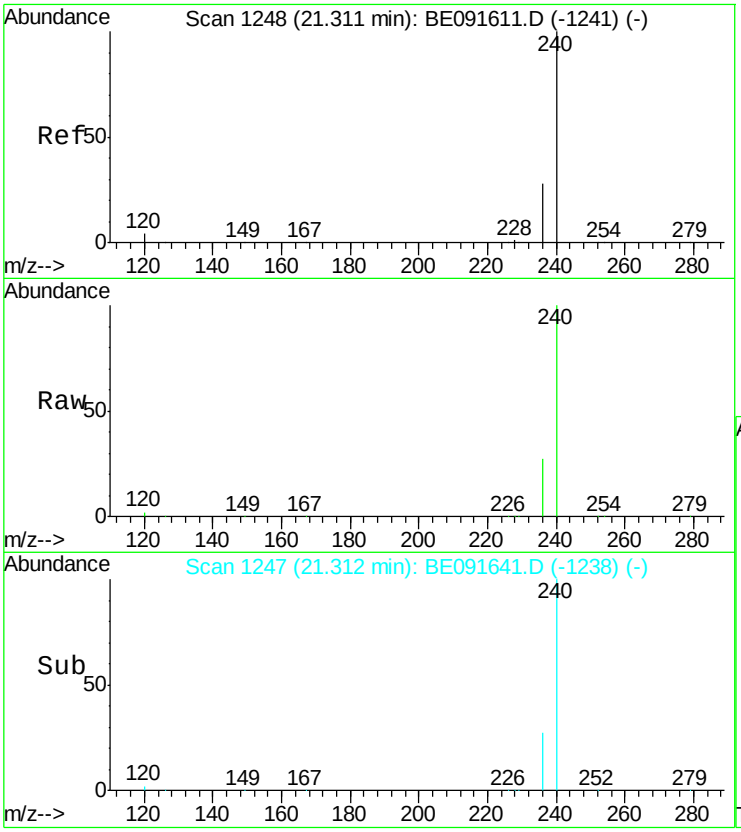


#22
Pentachlorophenol
Concen: 0.24 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:266 Resp: 149

Ion	Ratio	Lower	Upper
266	100		
268	85.2	58.2	87.2
264	78.7	56.2	84.4



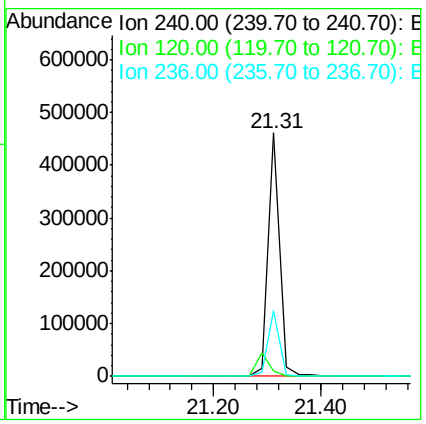


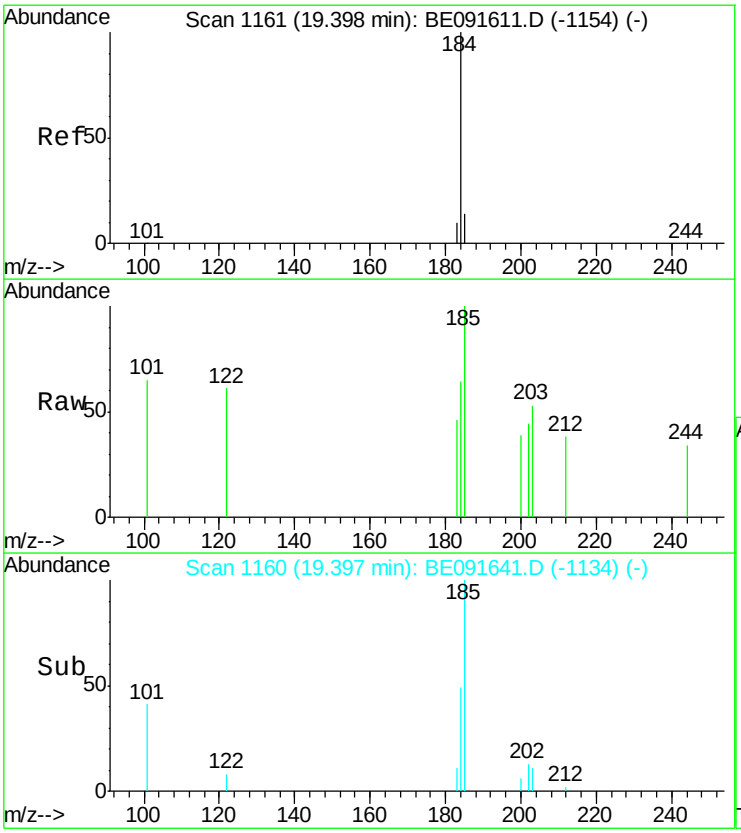
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:240 Resp: 697407

Ion	Ratio	Lower	Upper
240	100		
120	2.3	11.0	16.4#
236	27.1	21.7	32.5

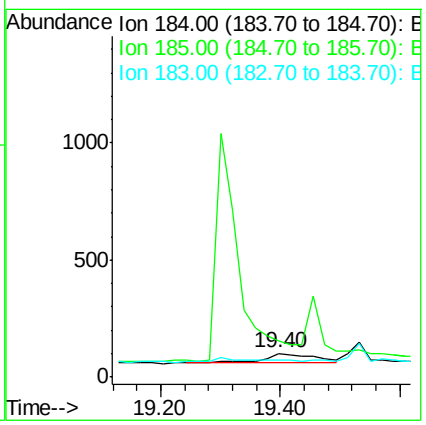


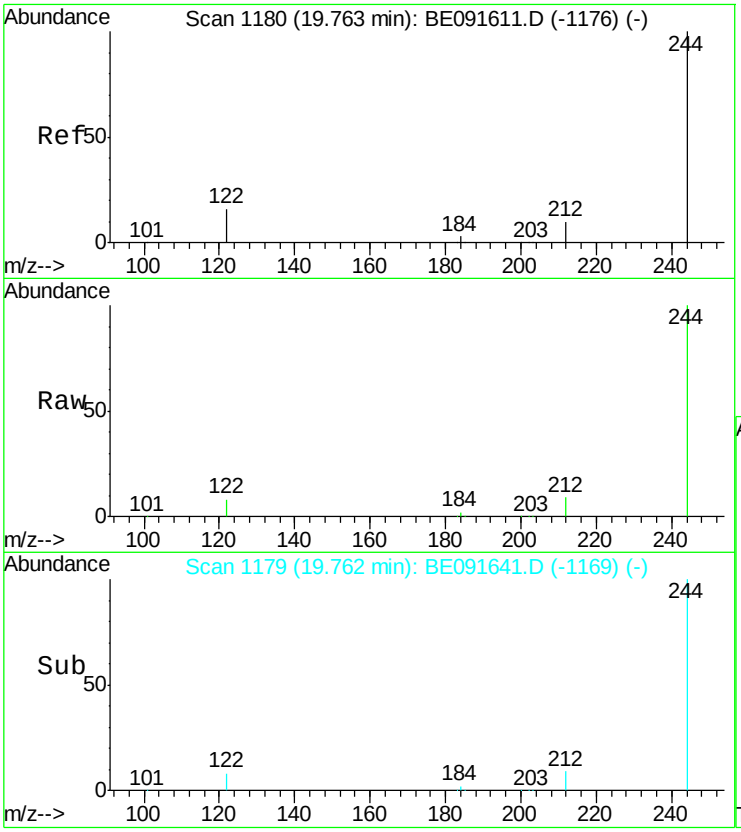


#27
Benzidine
Concen: 0.34 ng
RT: 19.40 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:184 Resp: 257

Ion	Ratio	Lower	Upper
184	100		
185	155.4	22.3	33.5#
183	72.3	16.4	24.6#



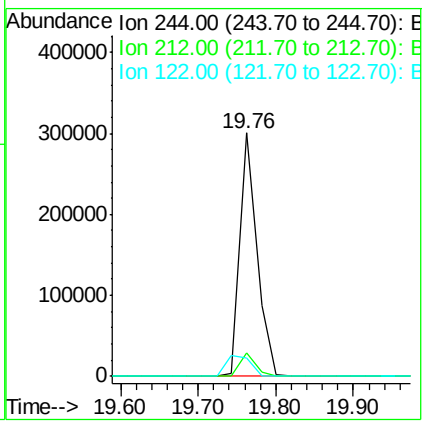


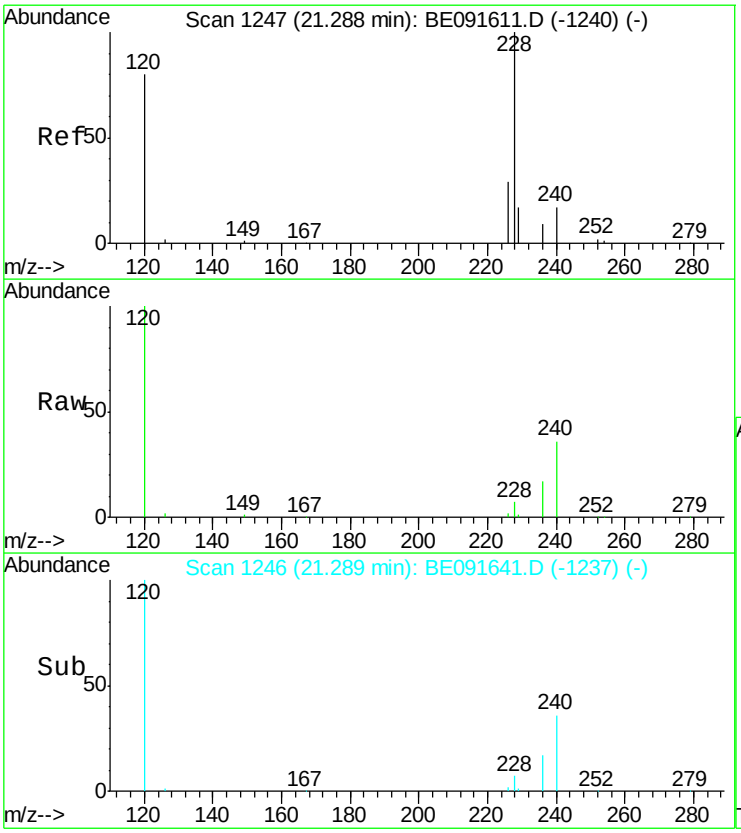
#29
Terphenyl-d14
Concen: 5.27 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:244 Resp: 458775

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.9	10.3
122	7.7	11.0	16.4#

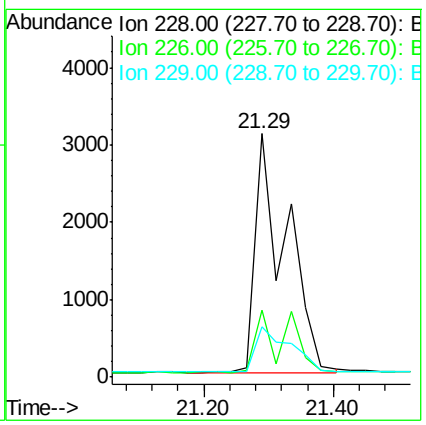


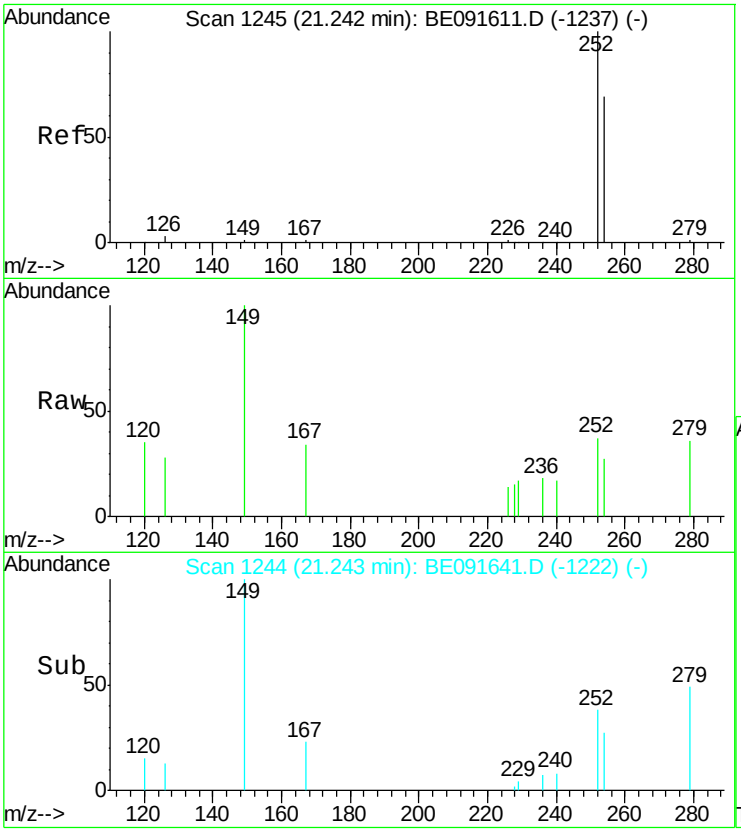


#30
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.29 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:228 Resp: 10326

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.0	31.4
229	20.6	15.7	23.5



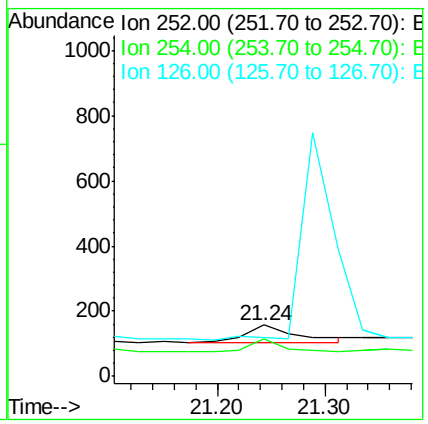


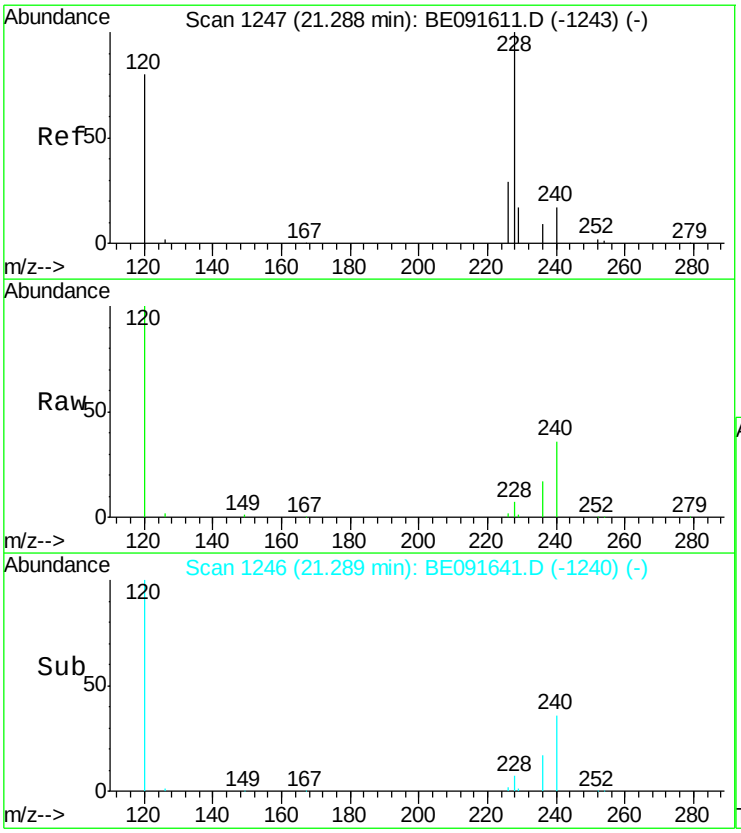
#31
3,3'-Dichlorobenzidine
Concen: 0.17 ng
RT: 21.24 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:252 Resp: 185

Ion	Ratio	Lower	Upper
252	100		
254	72.8	51.1	76.7
126	75.3	12.6	18.8#

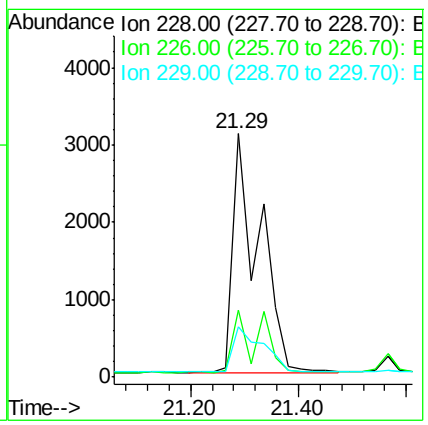


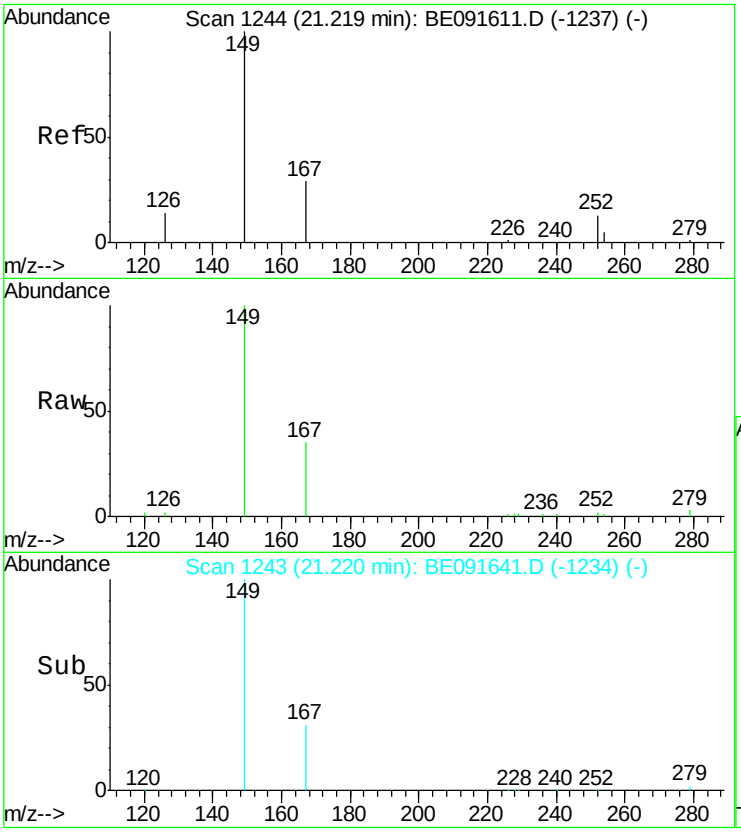


#32
Chrysene
Concen: 0.07 ng
RT: 21.29 min Scan# 1246
Delta R.T. -0.07 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:228 Resp: 10401

Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.0	36.0
229	20.6	15.9	23.9



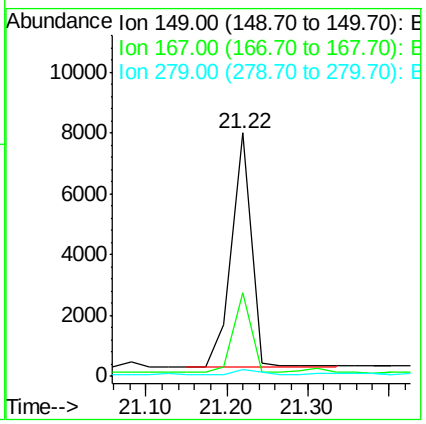


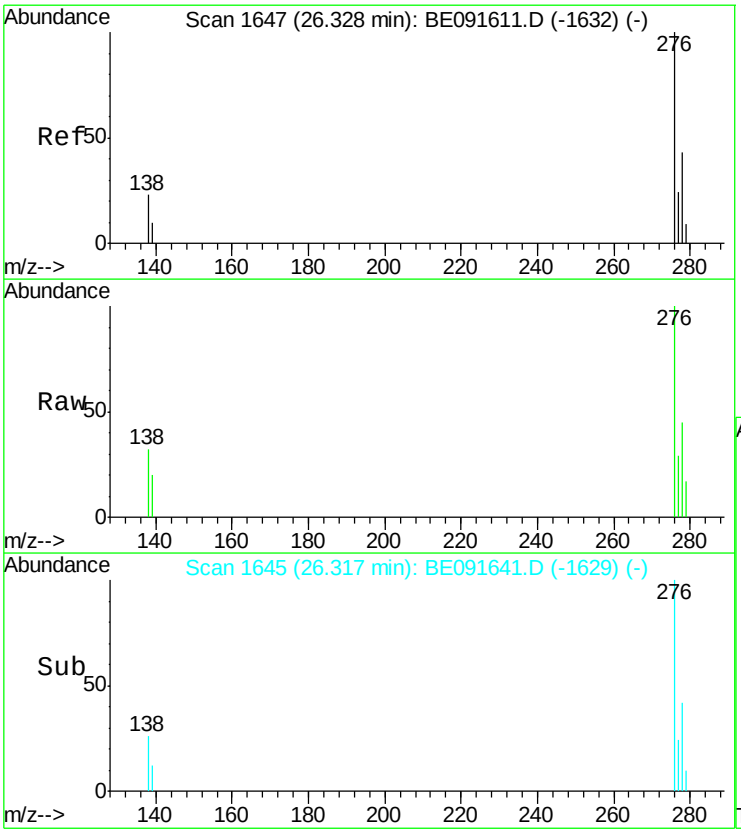
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.37 ng
RT: 21.22 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:149 Resp: 12953

Ion	Ratio	Lower	Upper
149	100		
167	30.6	19.5	29.3#
279	2.6	10.0	15.0#

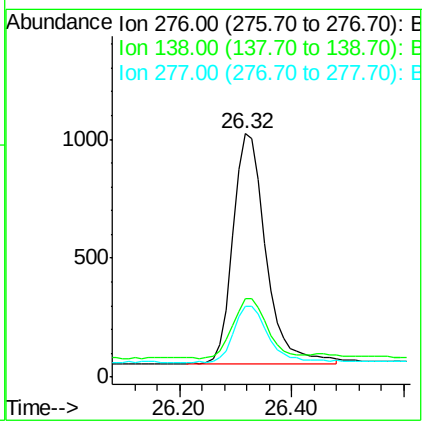


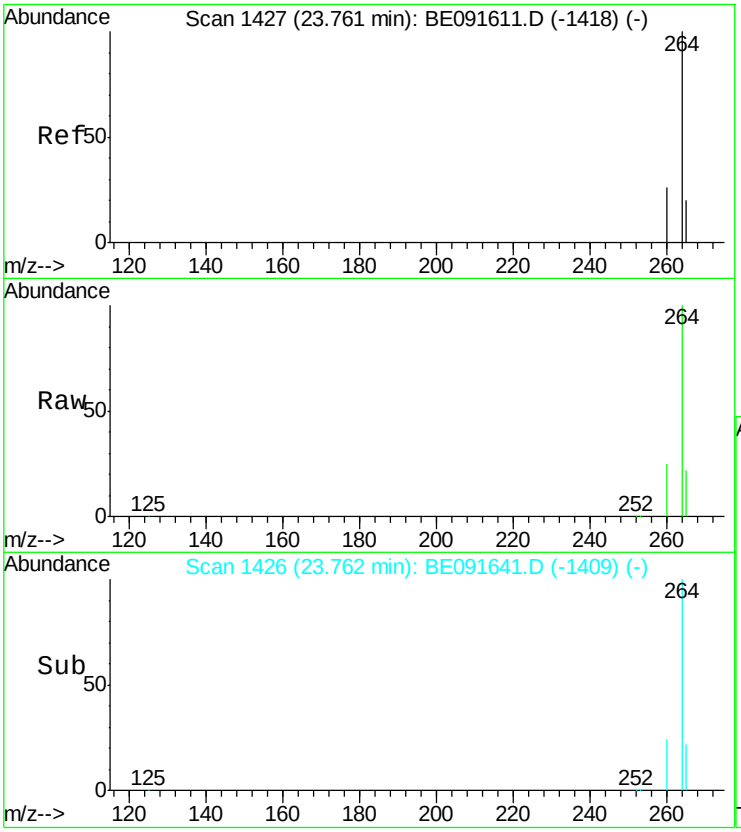


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 26.32 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:276 Resp: 4004

Ion	Ratio	Lower	Upper
276	100		
138	27.4	23.4	35.2
277	25.2	19.8	29.8



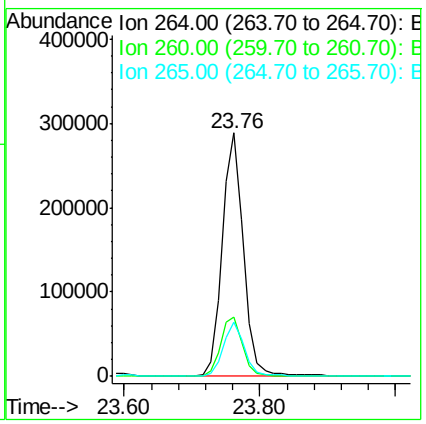


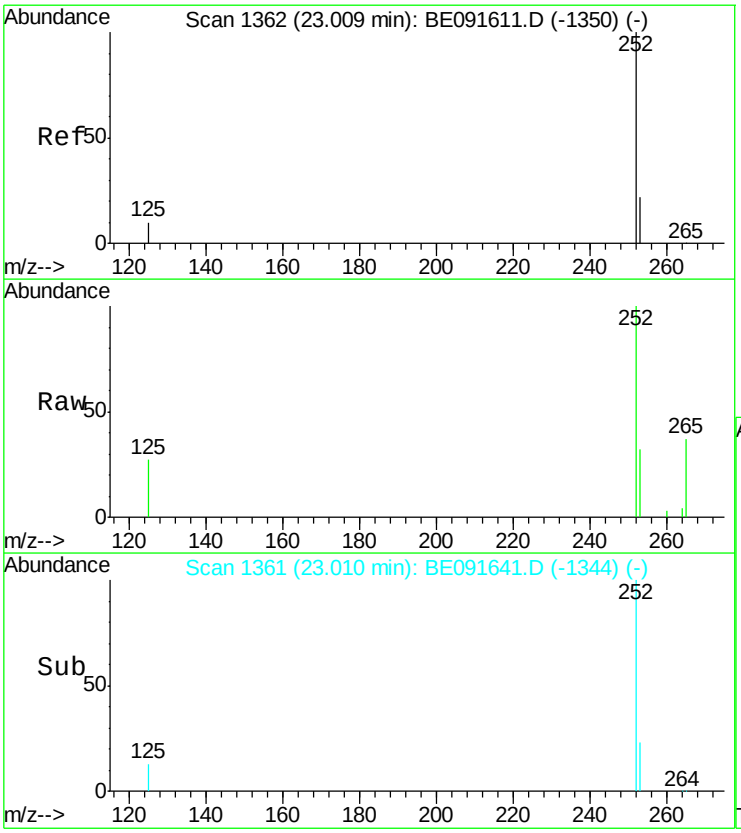
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:264 Resp: 635439

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	22.2	17.5	26.3

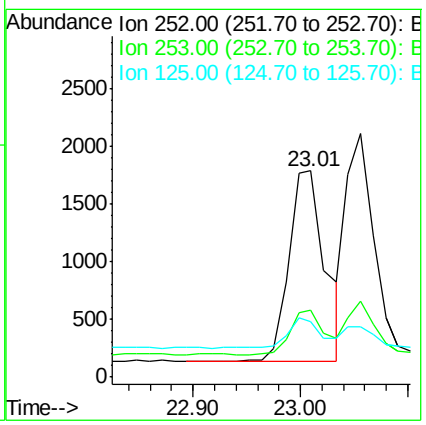


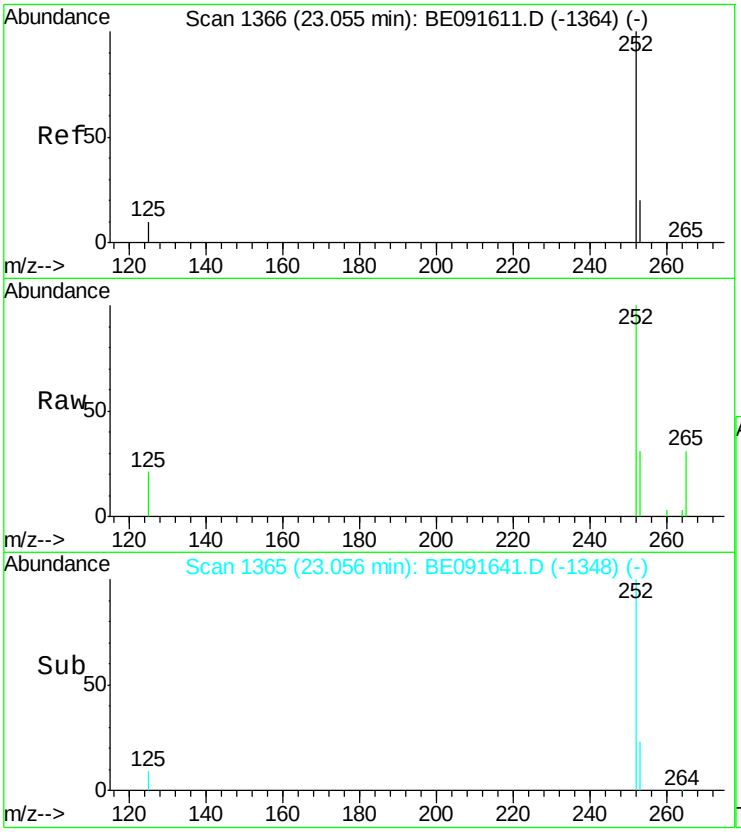


#36
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.01 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:252 Resp: 3874

Ion	Ratio	Lower	Upper
252	100		
253	32.4	17.4	26.0#
125	26.8	10.2	15.2#



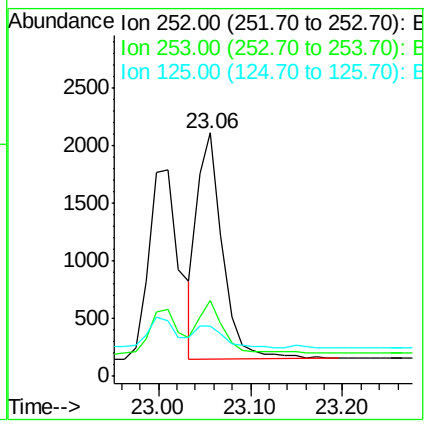


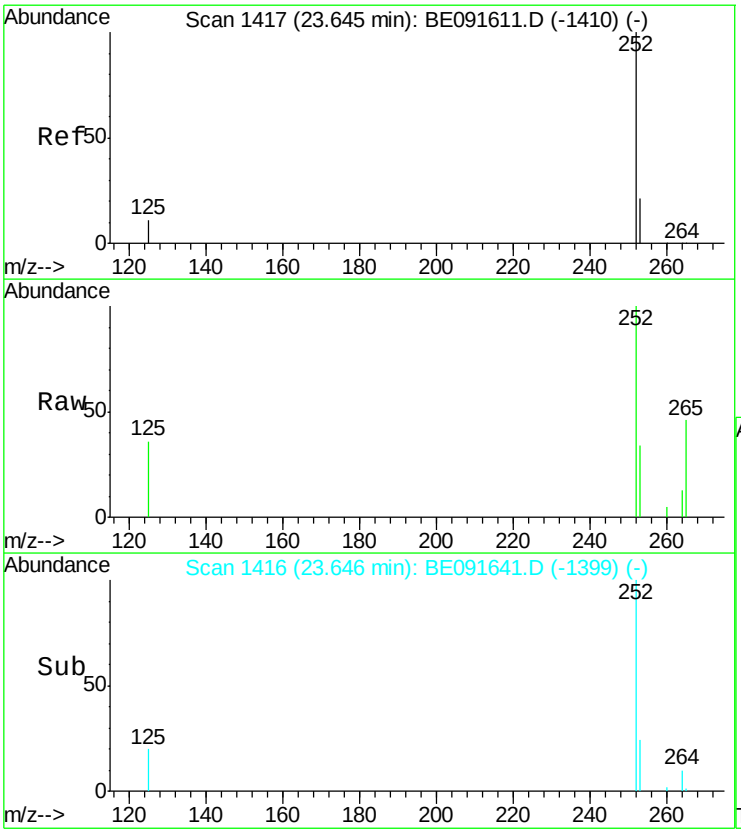
#37
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.06 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:252 Resp: 3708

Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.6	26.4#
125	20.7	9.9	14.9#

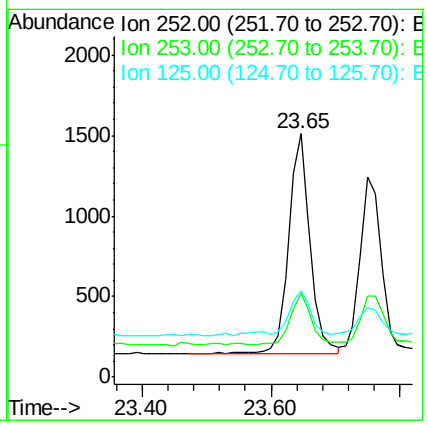


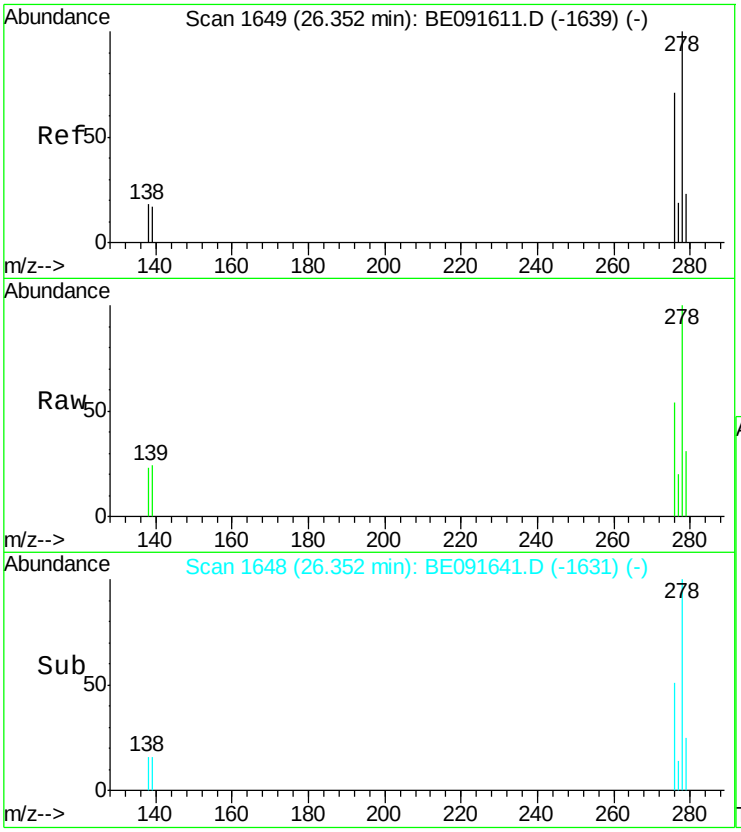


#38
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.65 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:252 Resp: 3162

Ion	Ratio	Lower	Upper
252	100		
253	34.3	18.1	27.1#
125	35.6	11.0	16.4#



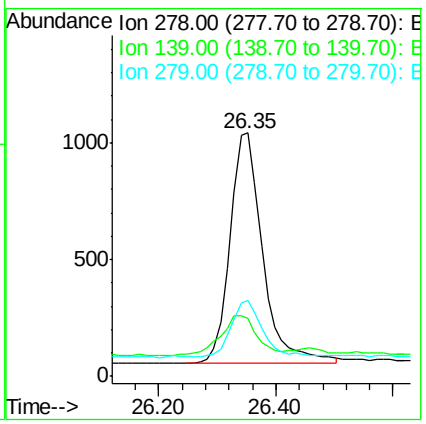


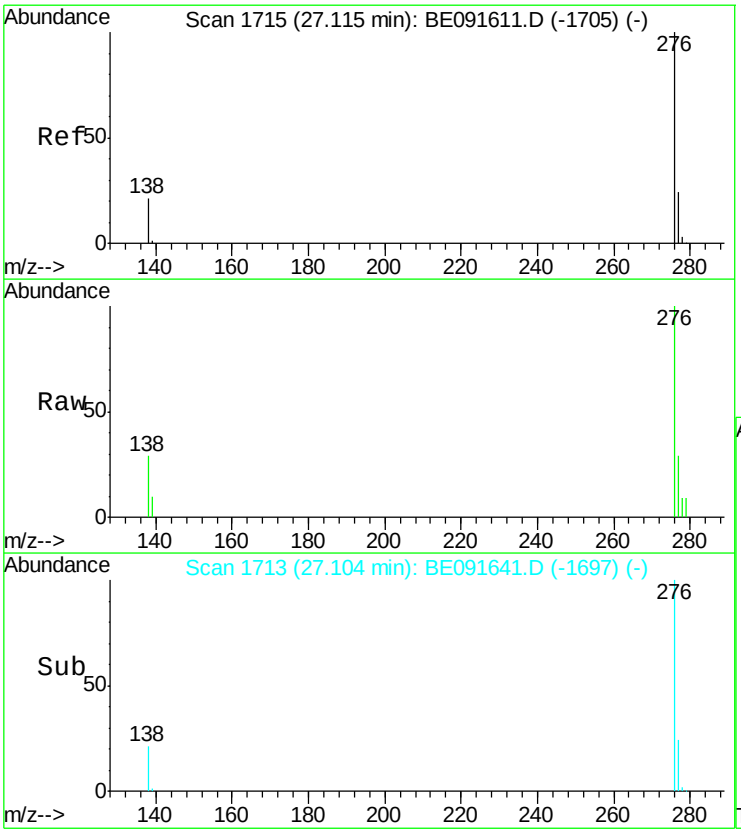
#39
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 26.35 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion:278 Resp: 3777

Ion	Ratio	Lower	Upper
278	100		
139	23.6	16.0	24.0
279	31.3	19.4	29.2#





#40
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 27.10 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091641.D
Acq: 11 Apr 2016 23:01

Tgt Ion:276 Resp: 3555

Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	28.0#
138	28.8	20.4	30.6