Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051916\
Data File : BE091802.D
Acq On : 19 May 2016 10:07
Operator : UM/SJ
Sample : SSTDICC05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 19 13:18:02 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 13:16:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	23735	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	124425	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	85514	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	250516	5.00	ng		0.00
26) Chrysene-d12	21.29	240	280882	5.00	ng		0.00
35) Perylene-d12	23.73	264	264724	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	28700	4.92	ng		0.00
5) Phenol-d6	6.95	99	42659	5.52	ng		0.00
8) Nitrobenzene-d5	8.93	82	40773	5.08	ng		-0.01
14) 2,4,6-Tribromophenol	15.89	330	17521	6.53	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	107868	4.46	ng		-0.01
29) Terphenyl-d14	19.74	244	195352	4.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	12134	3.40	ng		89
3) n-Nitrosodimethylamine	3.63	42	17338	4.02	ng	#	93
6) bis(2-Chloroethyl)ether	7.21	93	33310	4.90	ng	#	77
9) Nitrobenzene	8.98	77	43033	5.12	ng		93
10) Naphthalene	10.61	128	120951	4.81	ng		98
11) Hexachlorobutadiene	10.90	225	19719	5.31	ng		97
12) 2-Methylnaphthalene	12.23	142	84490	5.23	ng	#	90
16) Acenaphthylene	14.12	152	180382	5.48	ng	#	86
17) Acenaphthene	14.46	154	105418	4.94	ng		92
18) Fluorene	15.45	166	139124	5.25	ng		97
20) 4-Bromophenyl-phenylether	16.33	248	41124	4.56	ng		92
21) Hexachlorobenzene	16.45	284	41623	4.62	ng		98
22) Pentachlorophenol	16.79	266	23893	5.63	ng	#	90
23) Phenanthrene	17.17	178	248402	4.36	ng		99
24) Anthracene	17.26	178	245578	4.78	ng		99
25) Fluoranthene	19.19	202	300526	5.05	ng	#	96
27) Benzidine	19.36	184	138949	8.66	ng	#	75
28) Pyrene	19.55	202	309269	4.87	ng		99
30) Benzo(a)anthracene	21.27	228	390254	5.69	ng	#	90
31) 3,3'-Dichlorobenzidine	21.22	252	253087	7.23	ng	#	87
32) Chrysene	21.27	228	390164	5.47	ng		94
33) Bis(2-ethylhexyl)phthalate	21.20	149	207472	9.98	ng	#	80
34) Indeno(1,2,3-cd)pyrene	26.27	276	347315	5.47	ng		95
36) Benzo(b)fluoranthene	22.98	252	299687	4.83	ng	#	96
37) Benzo(k)fluoranthene	22.98	252	299687	4.75	ng		96
38) Benzo(a)pyrene	23.61	252	297584	5.09	ng	#	95
39) Dibenzo(a,h)anthracene	26.29	278	290327	5.25	ng		96
40) Benzo(g,h,i)perylene	27.06	276	292181	5.19	ng		96

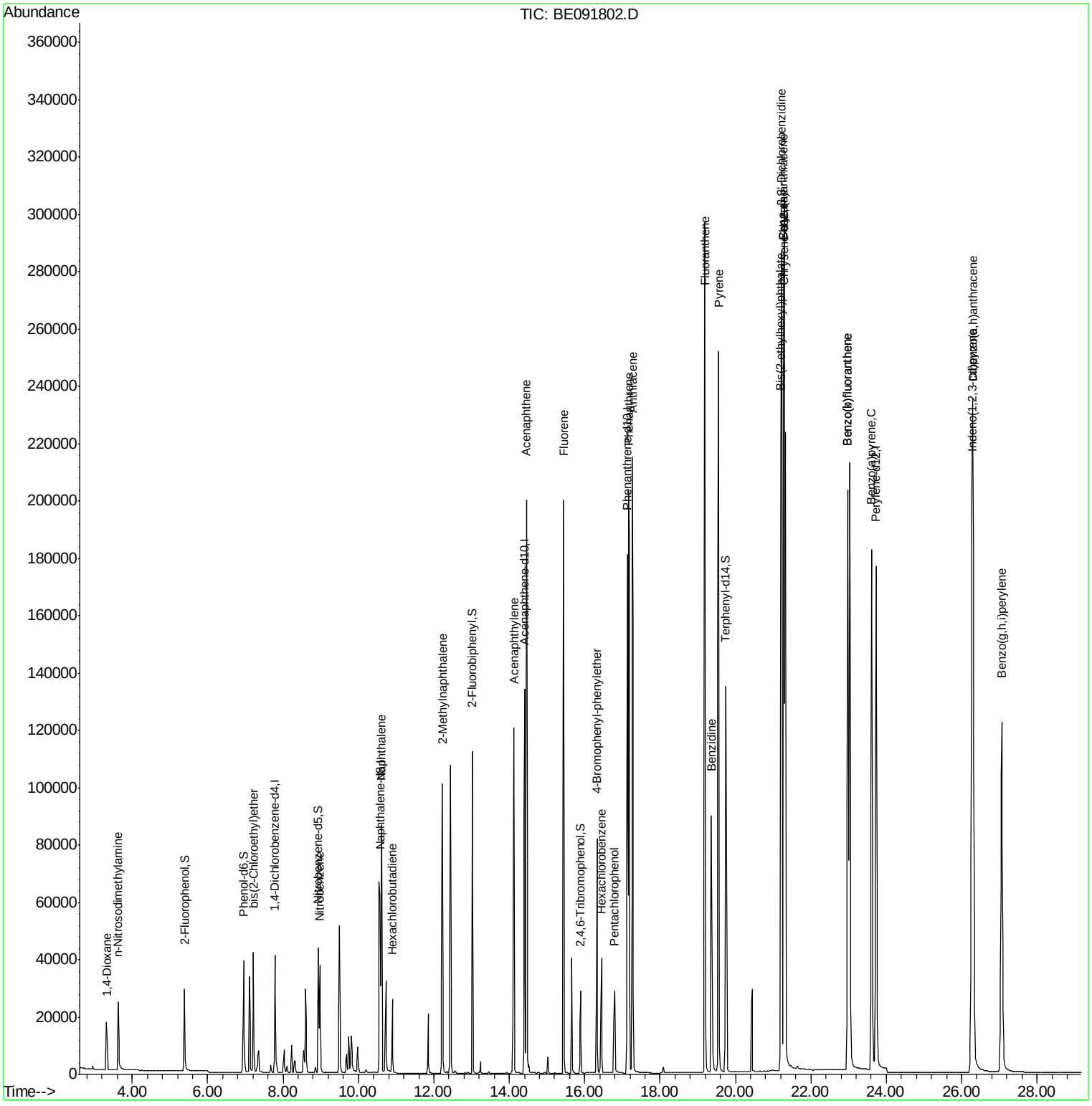
(#) = qualifier out of range (m) = manual integration (+) = signals summed

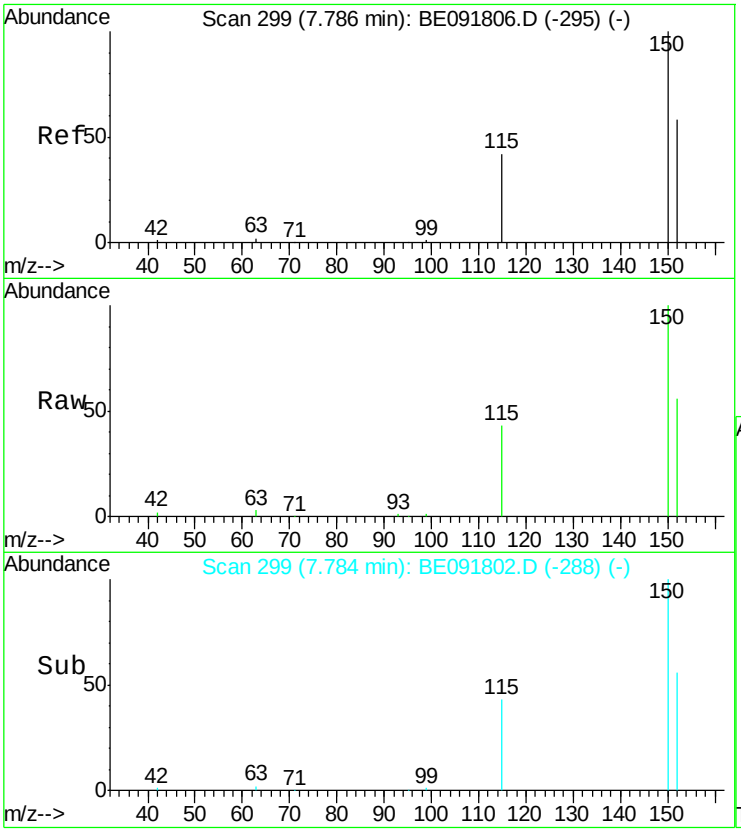
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051916\
Data File : BE091802.D
Acq On : 19 May 2016 10:07
Operator : UM/SJ
Sample : SSTDICC05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 19 13:18:02 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 13:16:38 2016
Response via : Initial Calibration



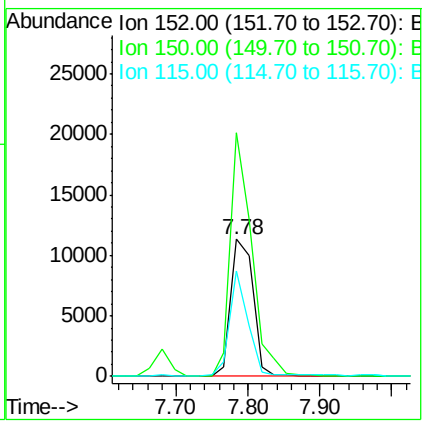


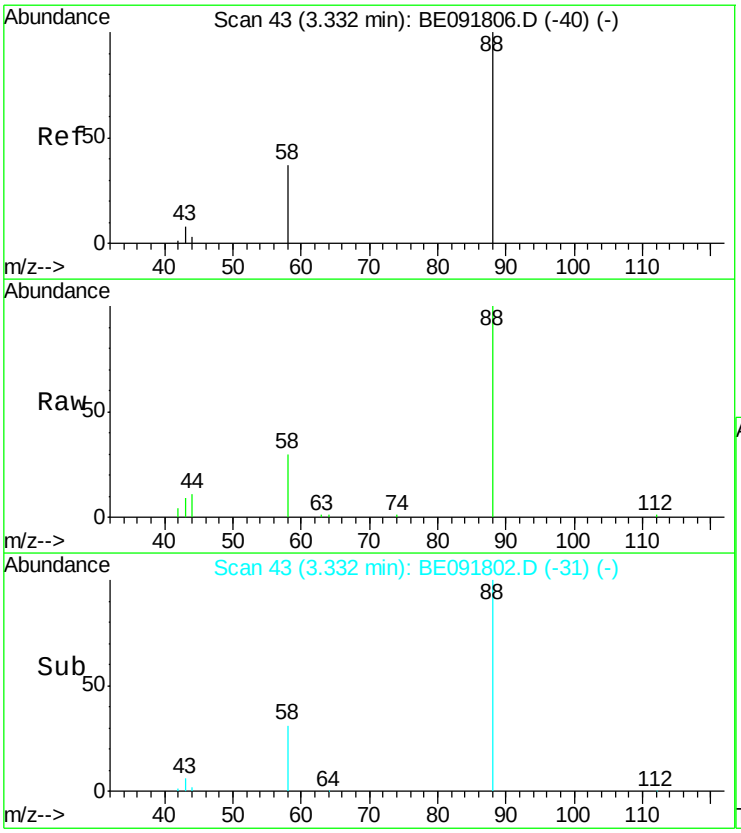
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.78 min Scan# 299
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 23735

Ion	Ratio	Lower	Upper
152	100		
150	177.6	122.6	183.8
115	77.1	52.8	79.2

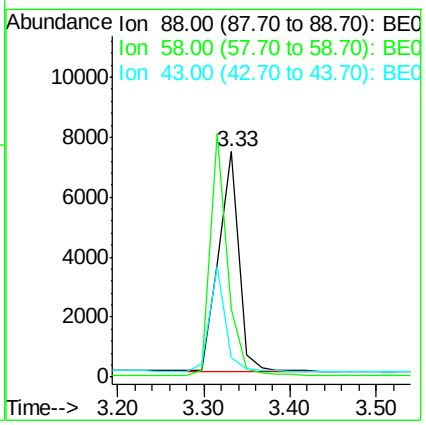


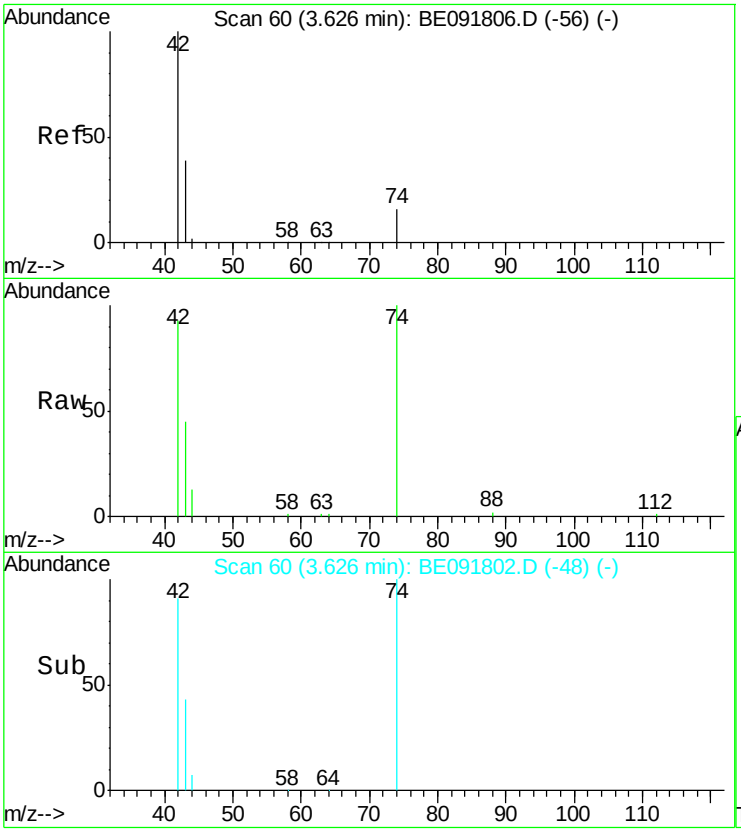


#2
1,4-Dioxane
Concen: 3.40 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion: 88 Resp: 12134

Ion	Ratio	Lower	Upper
88	100		
58	92.1	65.8	98.6
43	37.3	25.3	37.9



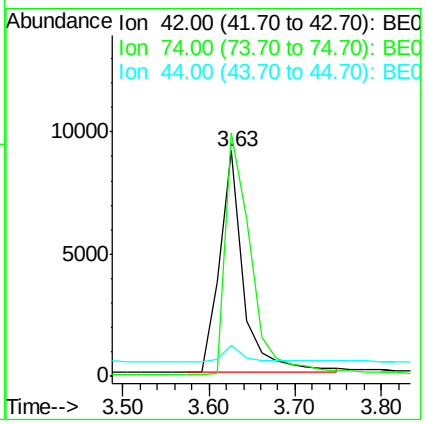


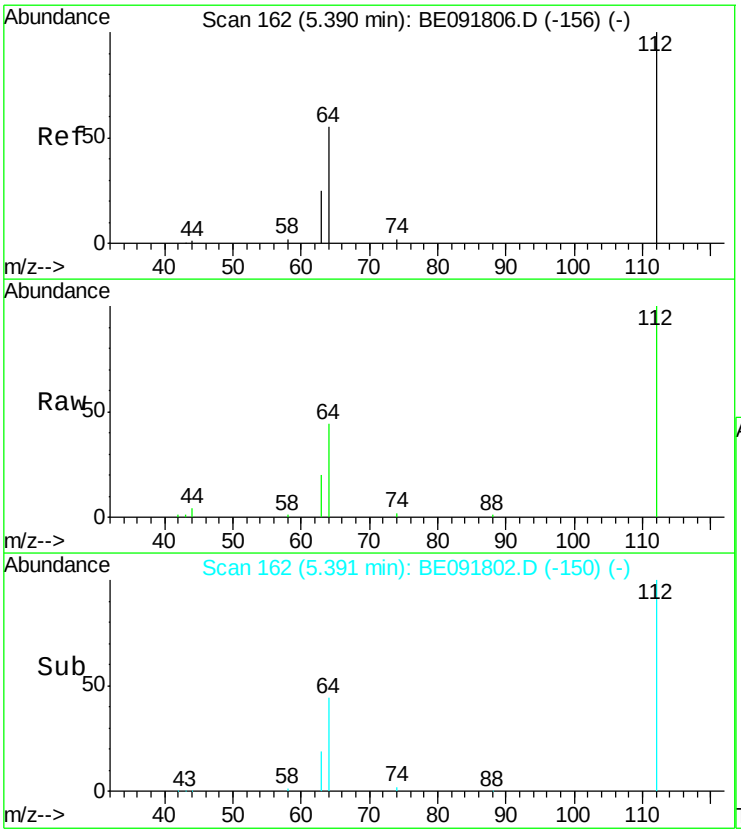
#3
n-Nitrosodimethylamine
Concen: 4.02 ng
RT: 3.63 min Scan# 60
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 17338

Ion	Ratio	Lower	Upper
42	100		
74	117.6	87.9	131.9
44	6.3	6.6	9.8#

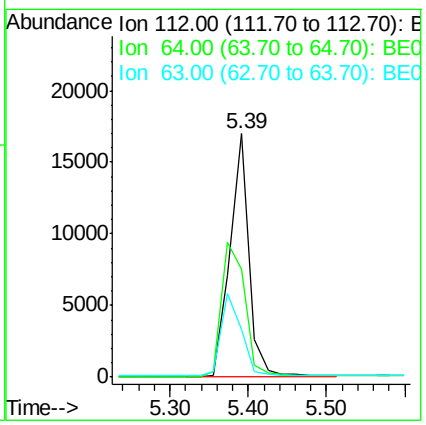


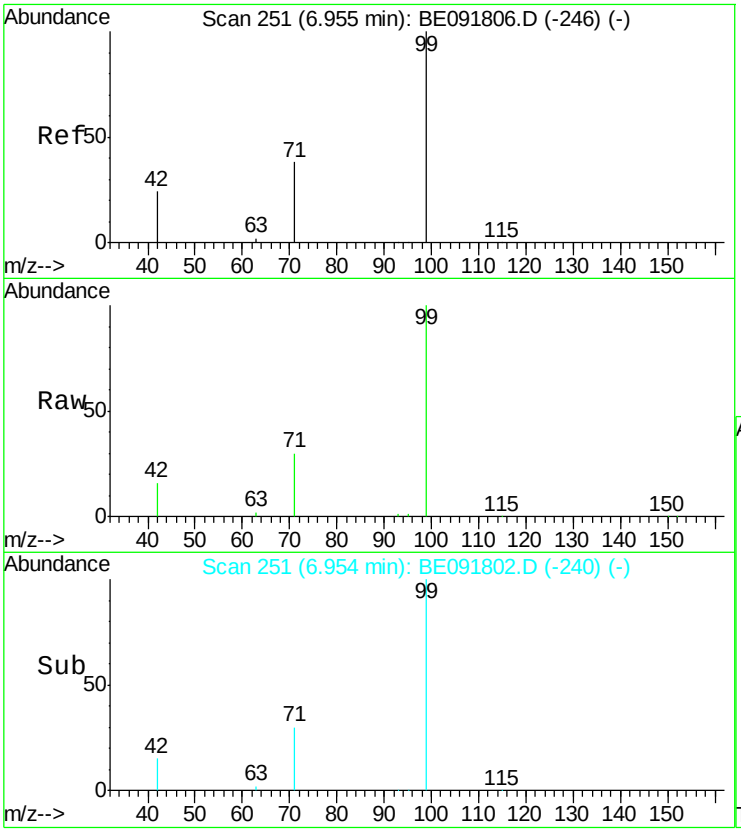


#4
2-Fluorophenol
Concen: 4.92 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:112 Resp: 28700

Ion	Ratio	Lower	Upper
112	100		
64	67.1	30.9	46.3#
63	36.0	16.7	25.1#



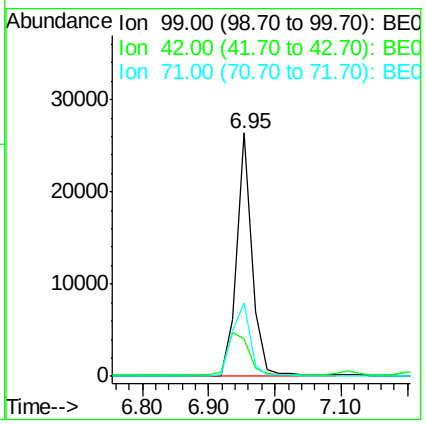


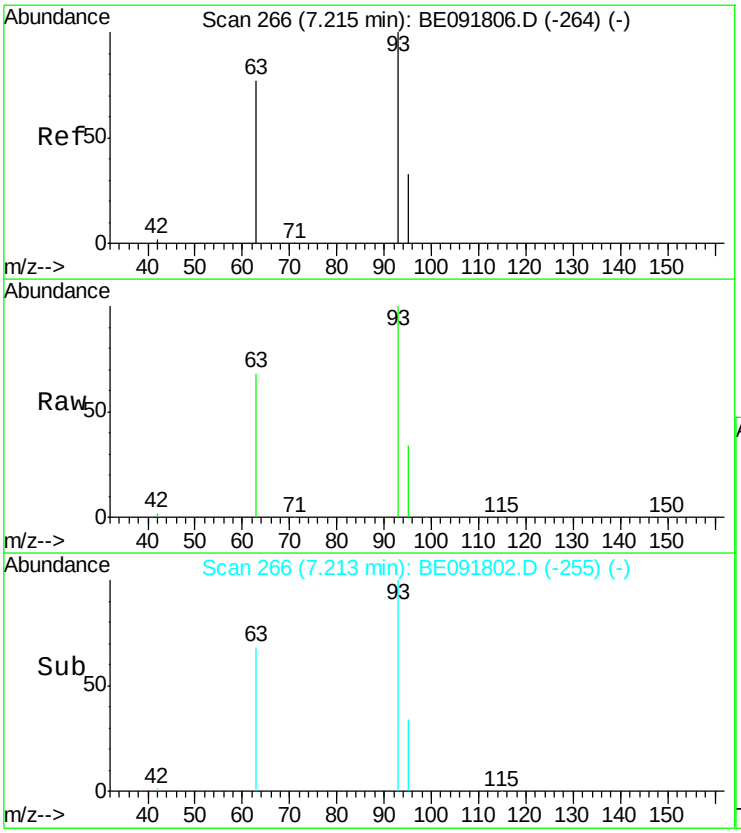
#5
Phenol-d6
Concen: 5.52 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 42659

Ion	Ratio	Lower	Upper
99	100		
42	24.3	16.2	24.2#
71	35.3	29.0	43.4

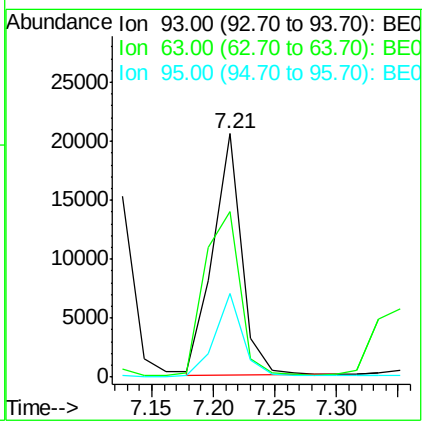


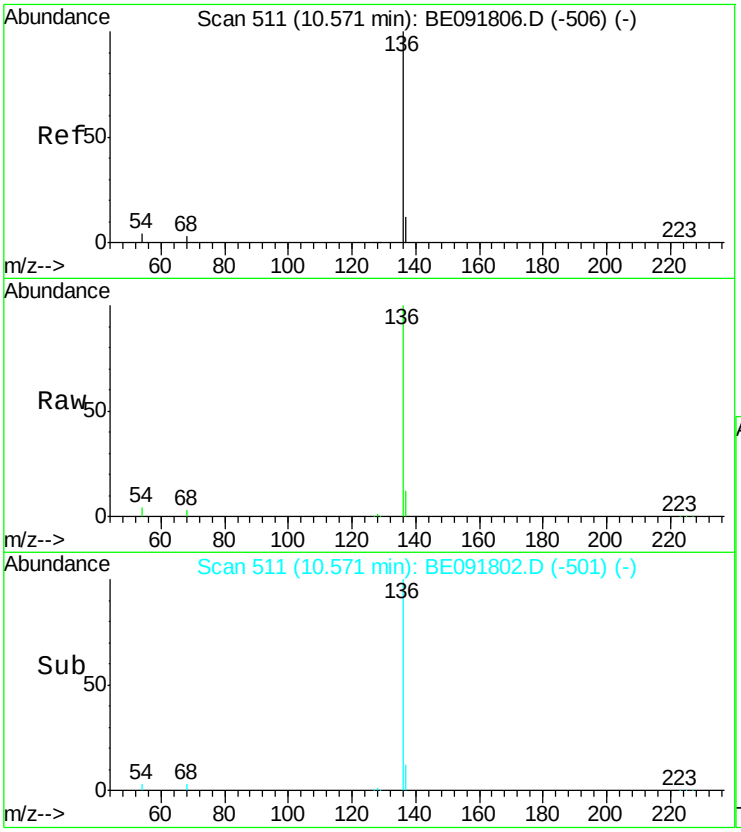


#6
bis(2-Chloroethyl)ether
Concen: 4.90 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion: 93 Resp: 33310

Ion	Ratio	Lower	Upper
93	100		
63	84.0	49.5	74.3#
95	32.7	22.2	33.4



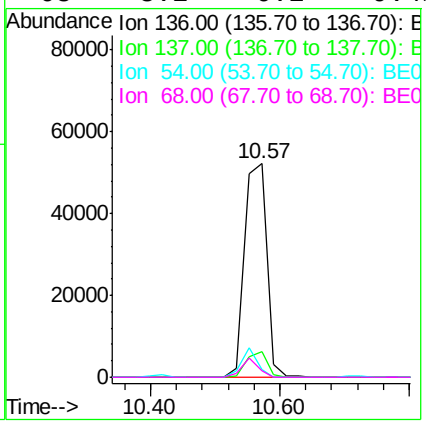


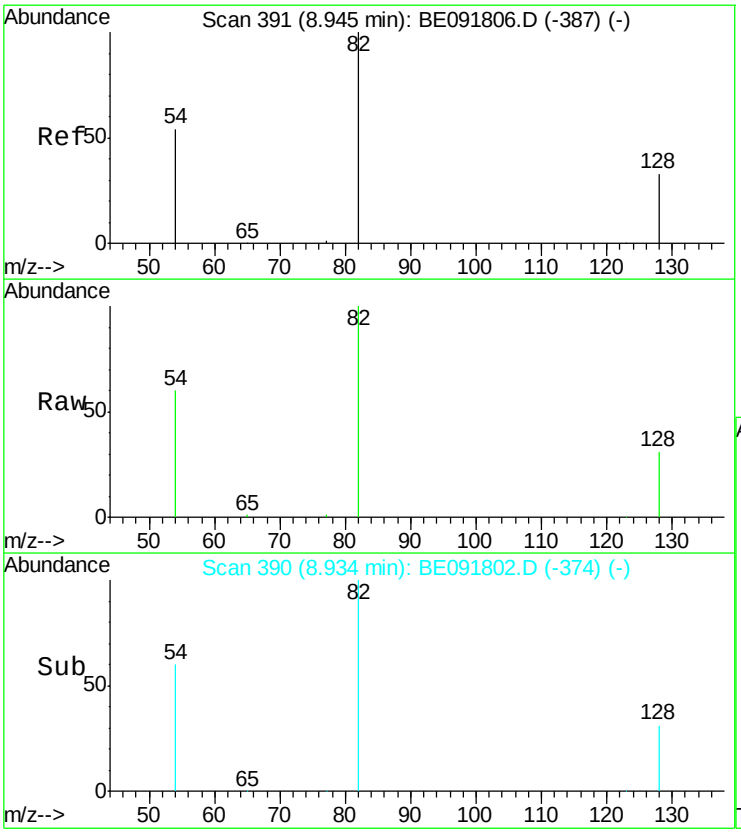
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 124425

Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.9	13.3
54	3.6	8.2	12.4#
68	3.2	6.2	9.4#

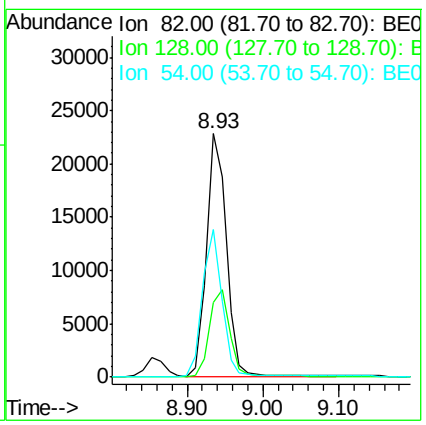


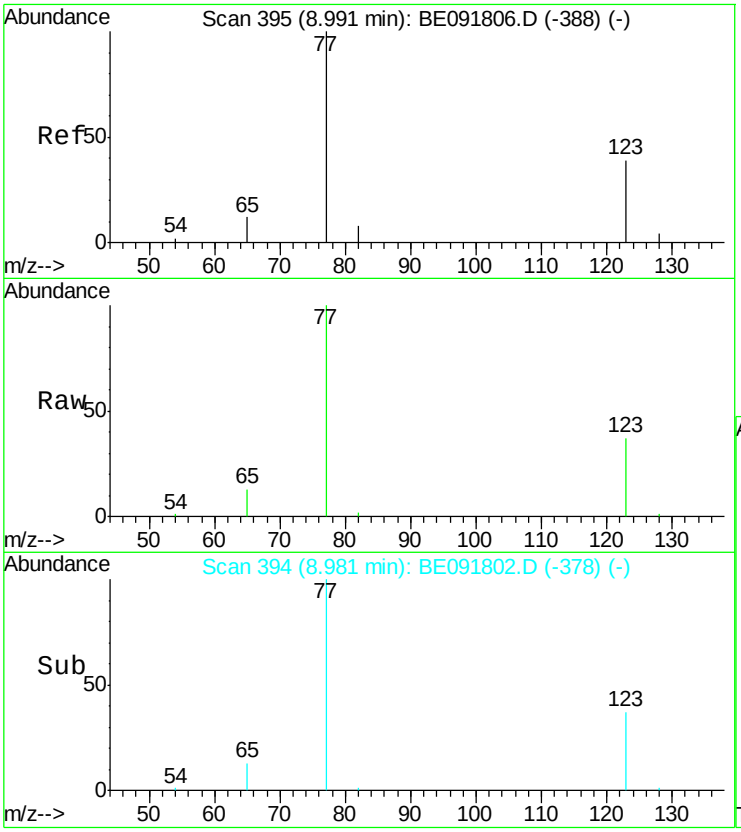


#8
Nitrobenzene-d5
Concen: 5.08 ng
RT: 8.93 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion: 82 Resp: 40773

Ion	Ratio	Lower	Upper
82	100		
128	30.8	25.4	38.0
54	60.5	48.4	72.6

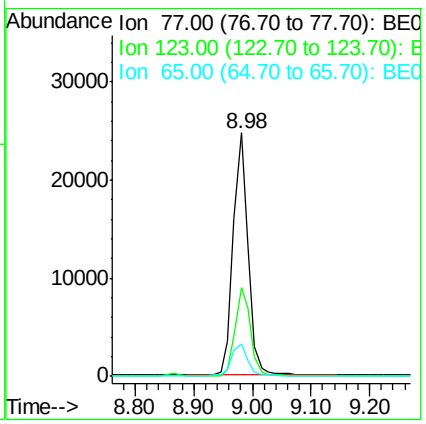




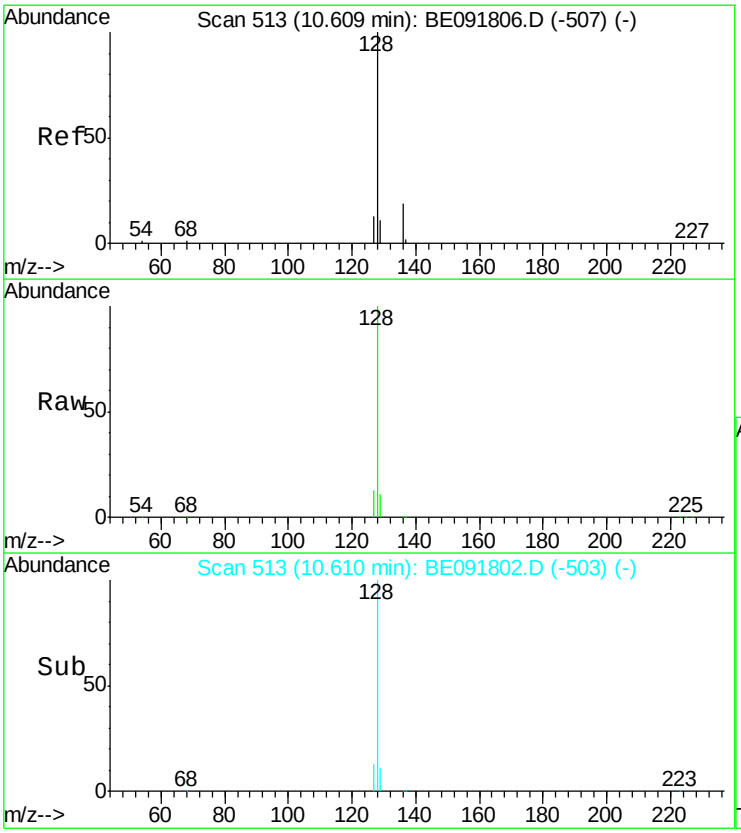
#9
Nitrobenzene
Concen: 5.12 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion: 77 Resp: 43033

Ion	Ratio	Lower	Upper
77	100		
123	37.8	26.9	40.3
65	13.9	9.4	14.2



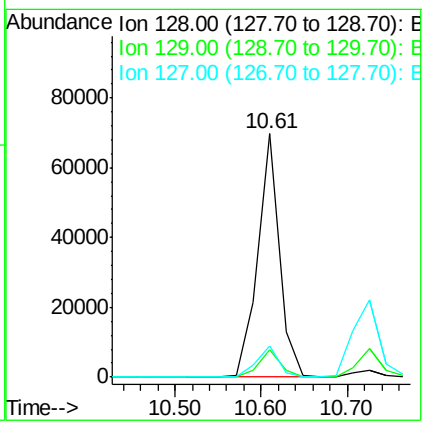
Instrument :
BNA_E
ClientSampleId :

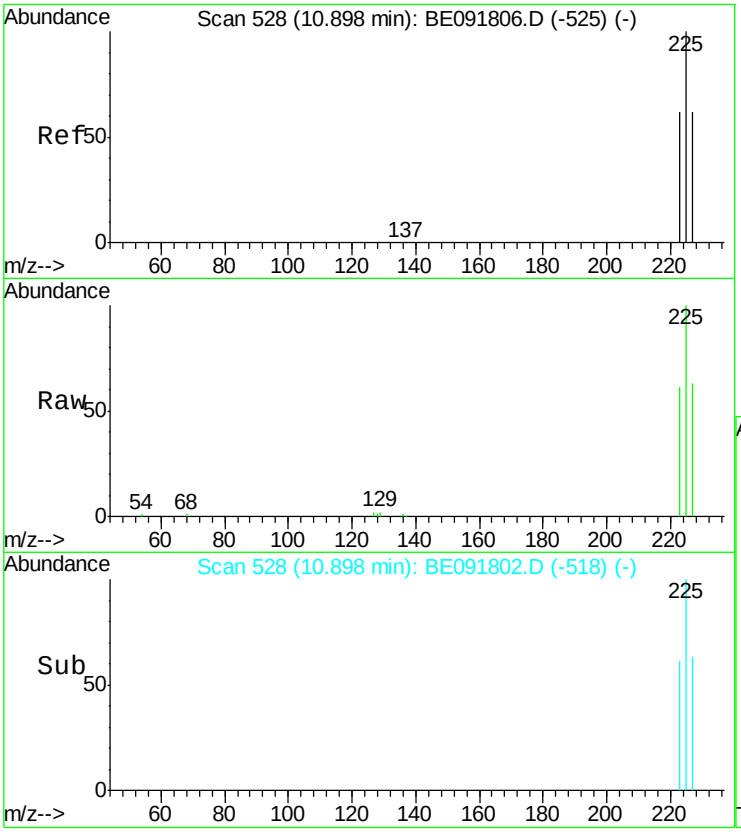


#10
Naphthalene
Concen: 4.81 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:128 Resp: 120951

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	12.6	10.7	16.1



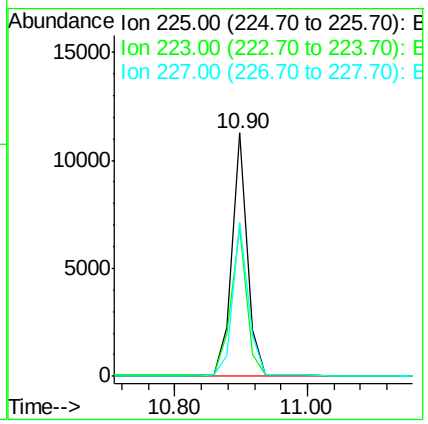


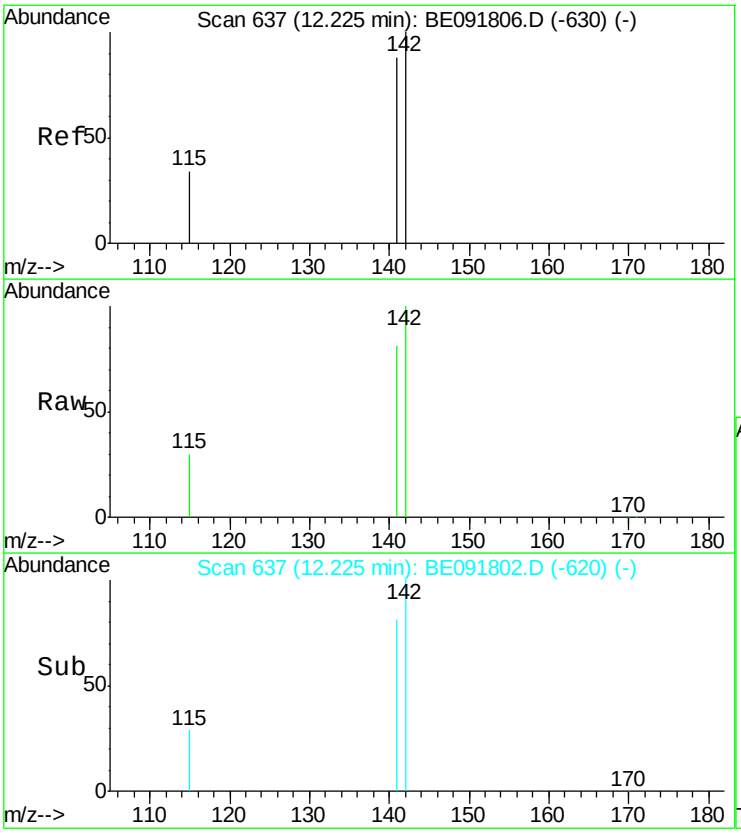
#11
Hexachlorobutadiene
Concen: 5.31 ng
RT: 10.90 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:225 Resp: 19719

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.0	73.6
227	64.6	50.3	75.5

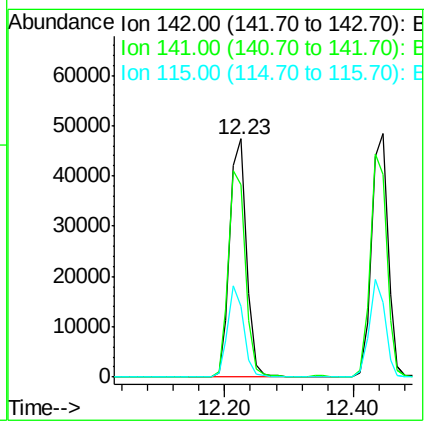


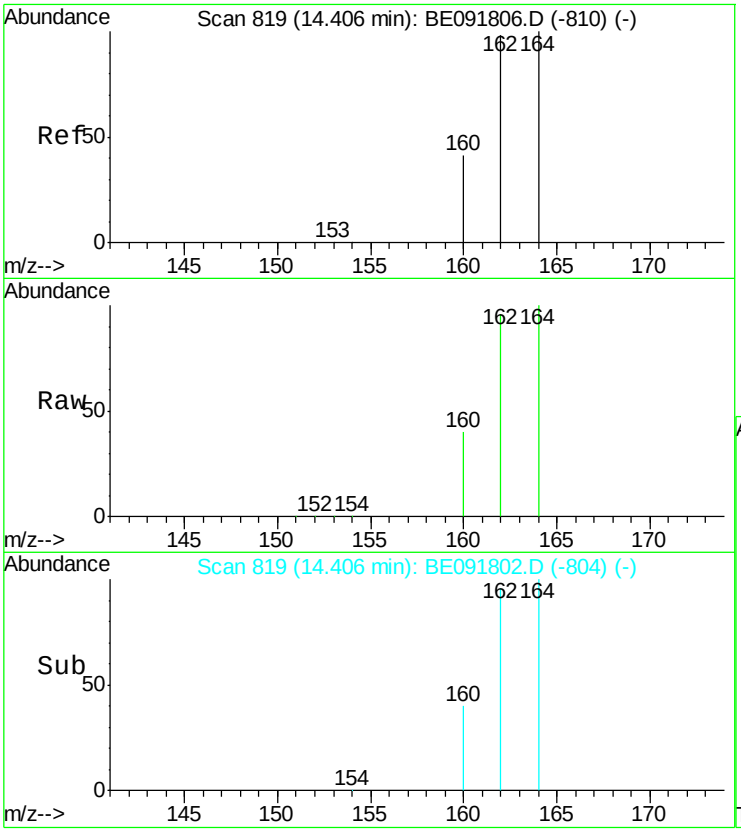


#12
2-Methylnaphthalene
Concen: 5.23 ng
RT: 12.23 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:142 Resp: 84490

Ion	Ratio	Lower	Upper
142	100		
141	80.9	71.4	107.0
115	29.6	30.3	45.5#



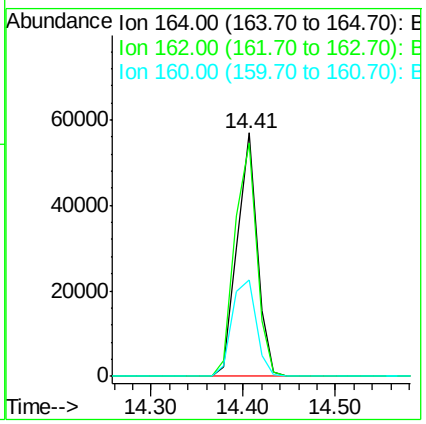


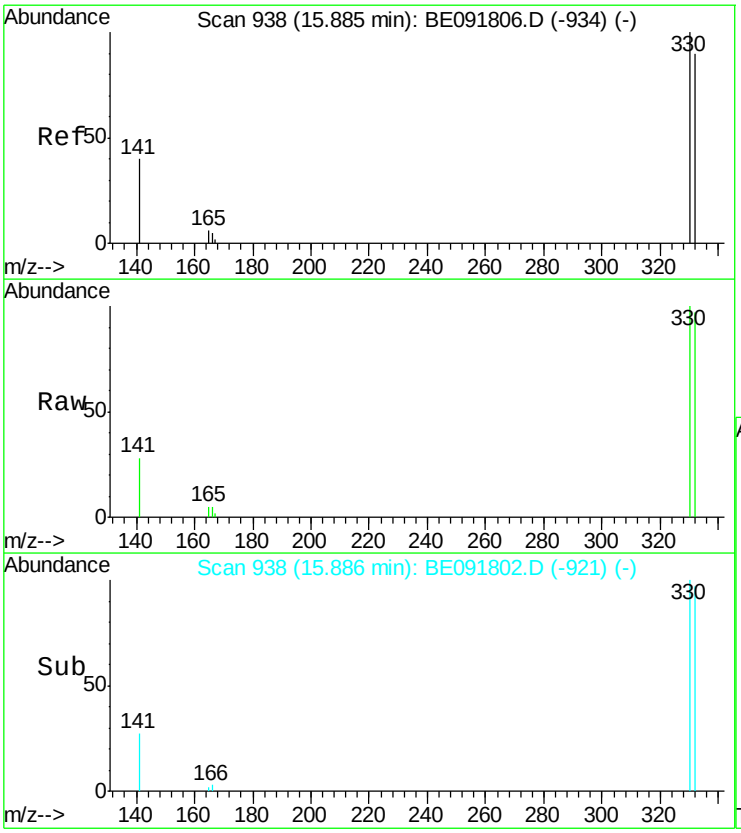
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 85514

Ion	Ratio	Lower	Upper
164	100		
162	95.6	85.3	127.9
160	39.6	46.2	69.2#

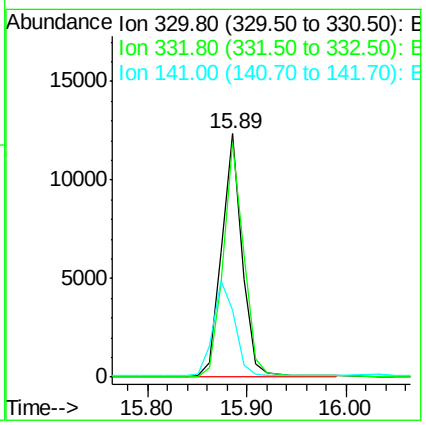


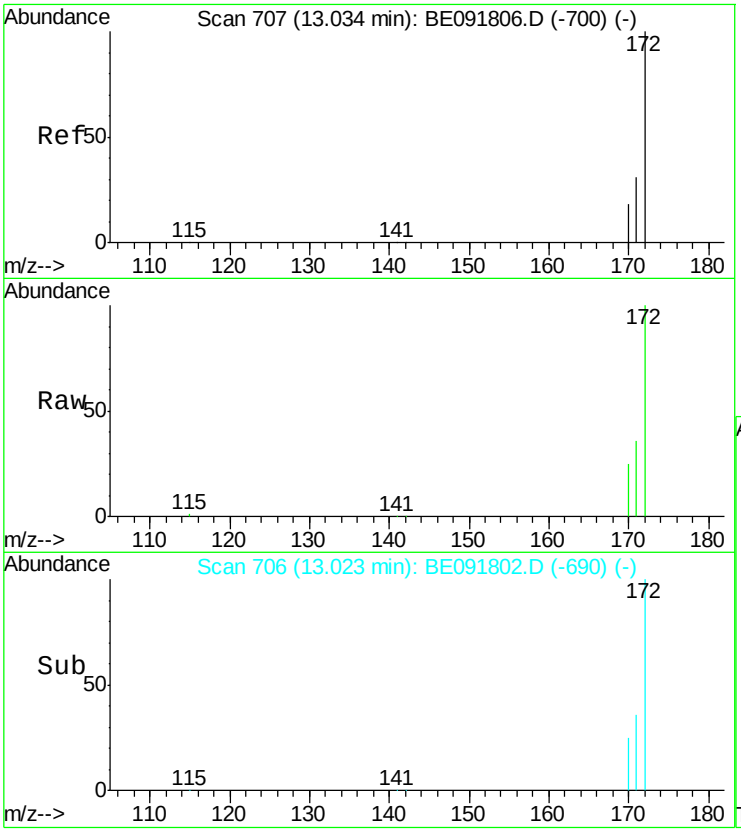


#14
2,4,6-Tribromophenol
Concen: 6.53 ng
RT: 15.89 min Scan# 938
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:330 Resp: 17521

Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	41.3	125.4	188.0#



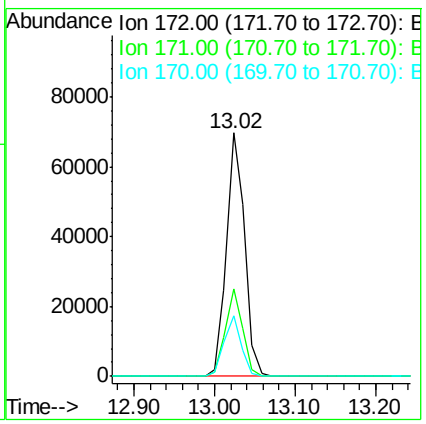


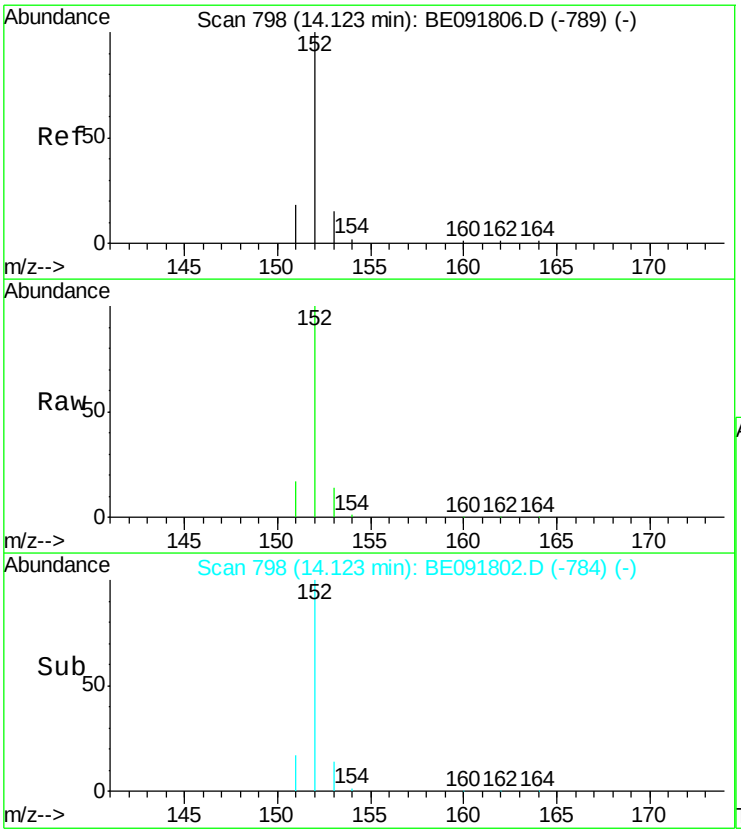
#15
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 107868

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	24.9	19.3	28.9

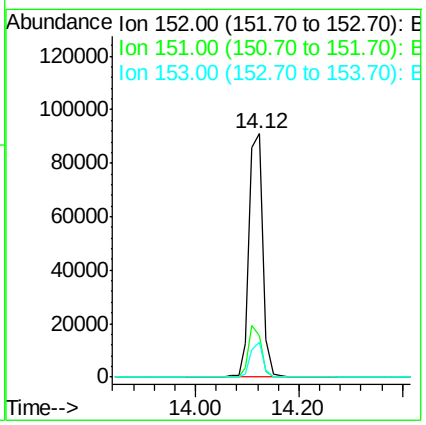


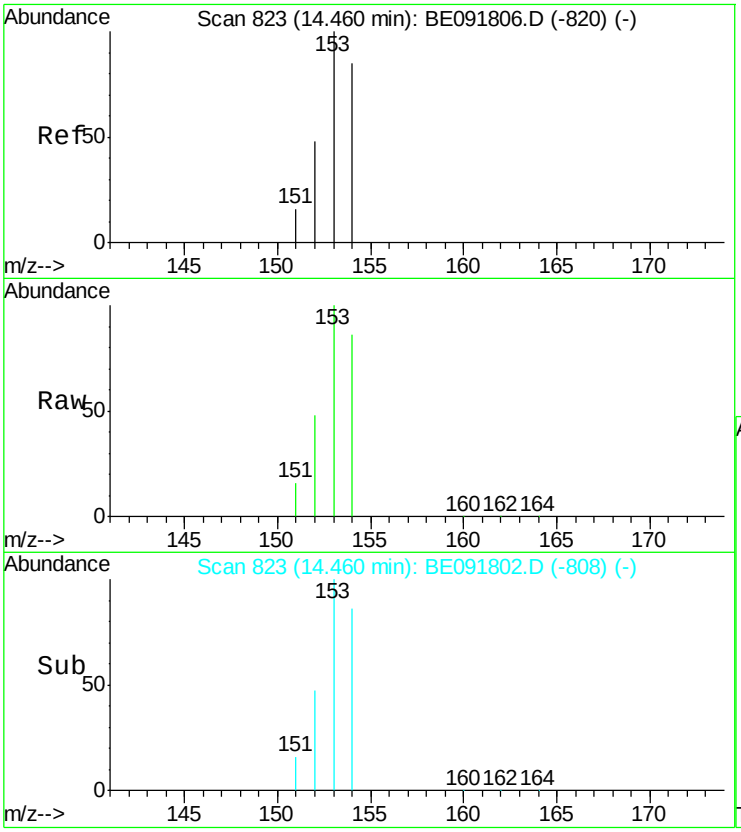


#16
Acenaphthylene
Concen: 5.48 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:152 Resp: 180382

Ion	Ratio	Lower	Upper
152	100		
151	20.0	3.9	5.9#
153	13.7	10.3	15.5



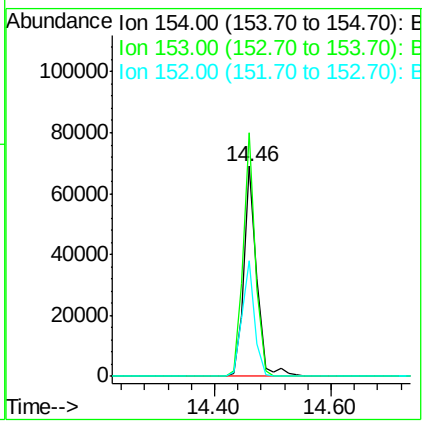


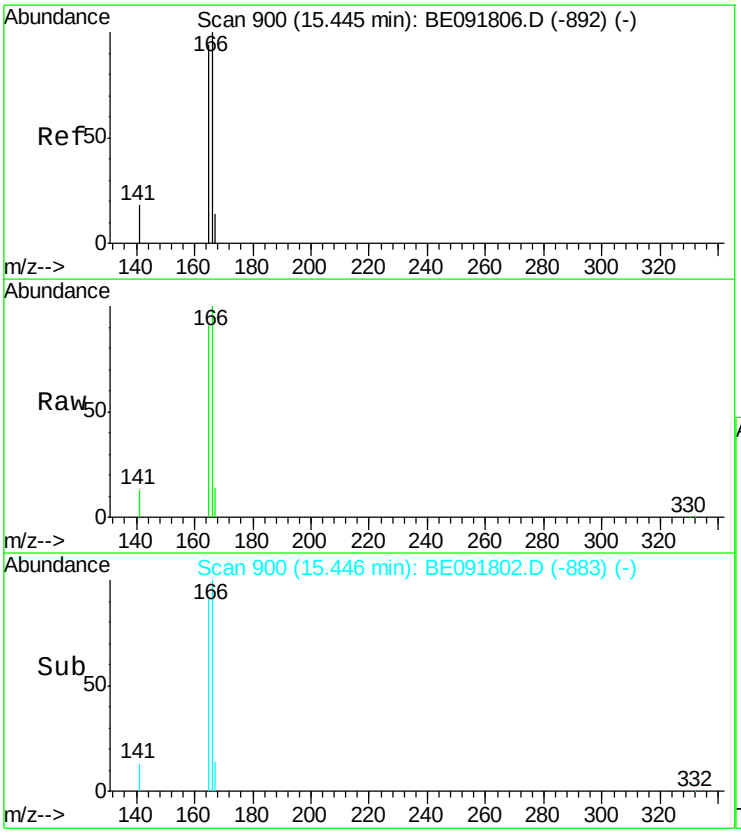
#17
Acenaphthene
Concen: 4.94 ng
RT: 14.46 min Scan# 823
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 105418

Ion	Ratio	Lower	Upper
154	100		
153	109.3	80.0	120.0
152	53.7	40.0	60.0

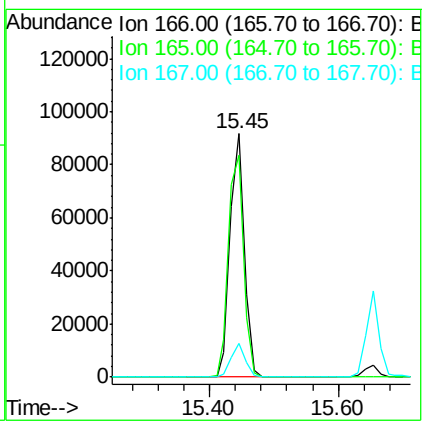


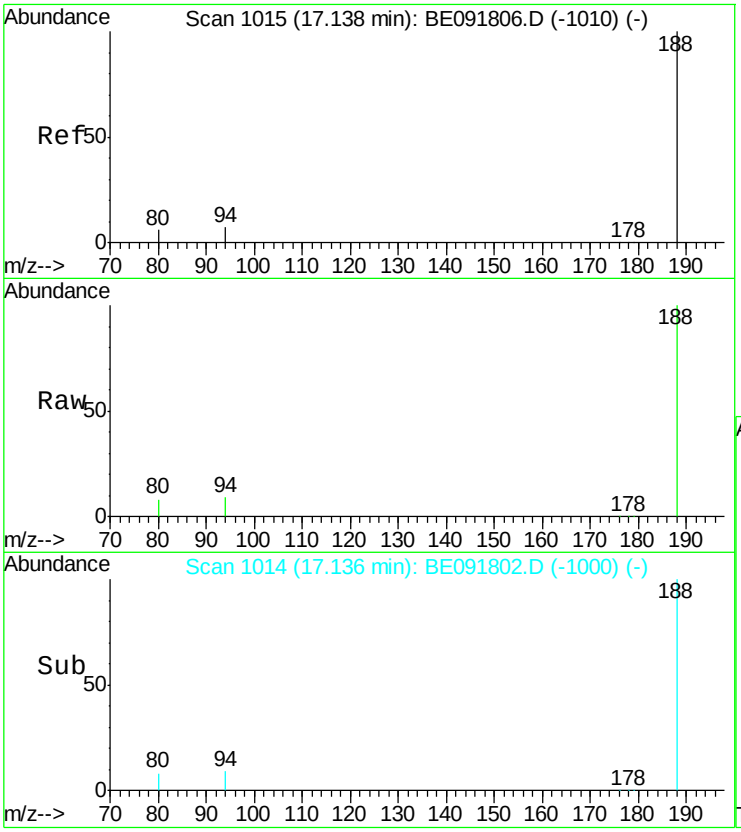


#18
Fluorene
Concen: 5.25 ng
RT: 15.45 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:166 Resp: 139124

Ion	Ratio	Lower	Upper
166	100		
165	97.6	80.8	121.2
167	13.3	10.9	16.3



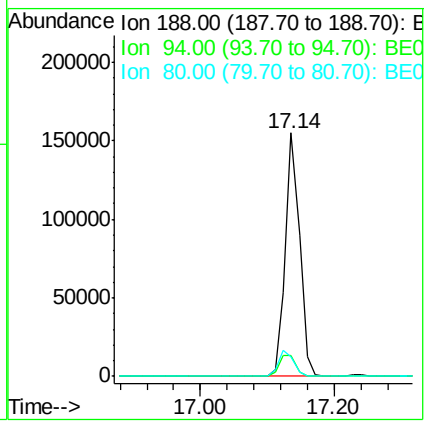


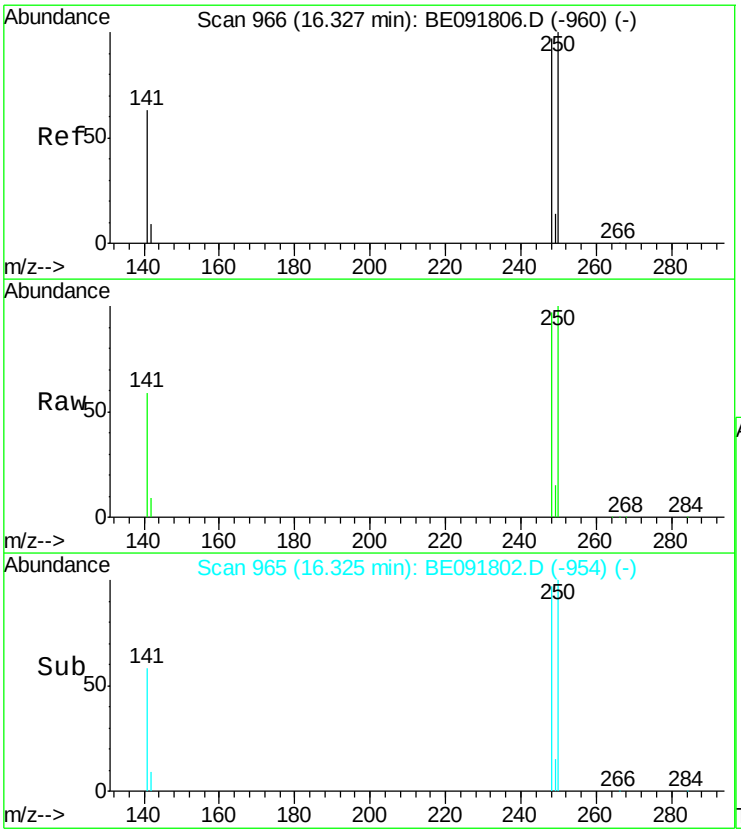
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 250516

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.7	13.1#
80	8.1	9.4	14.0#

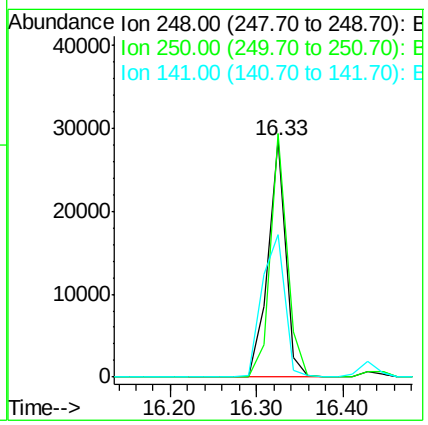


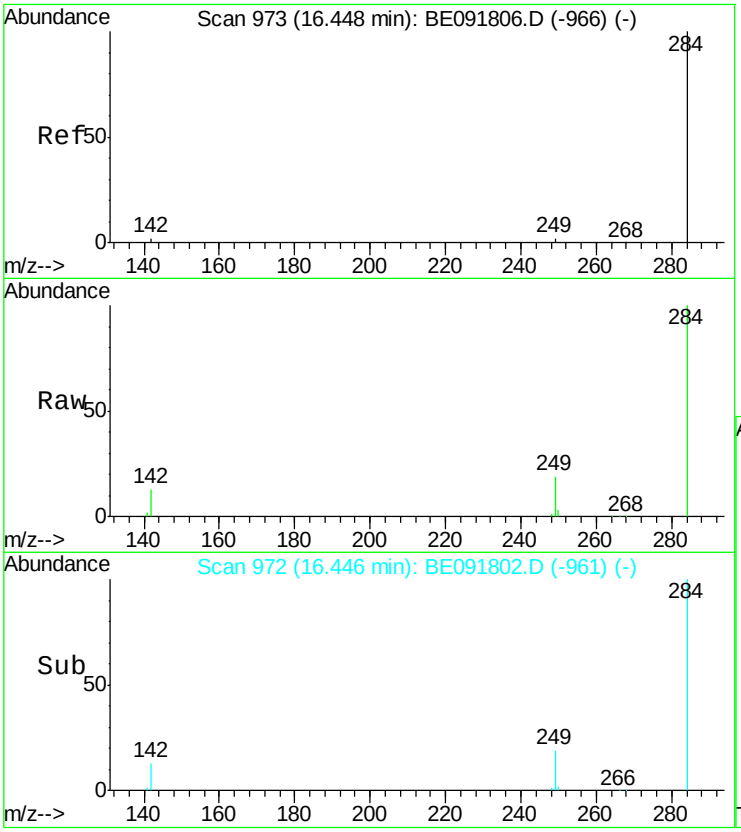


#20
4-Bromophenyl-phenylether
Concen: 4.56 ng
RT: 16.33 min Scan# 965
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:248 Resp: 41124

Ion	Ratio	Lower	Upper
248	100		
250	98.1	80.5	120.7
141	77.0	72.0	108.0



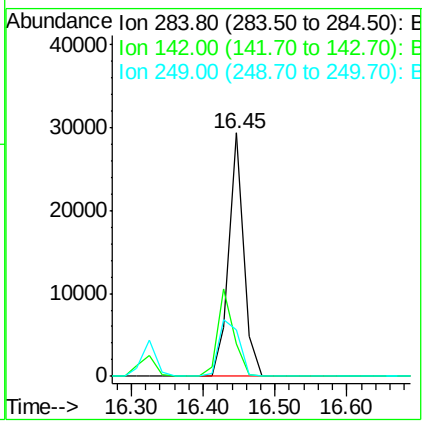


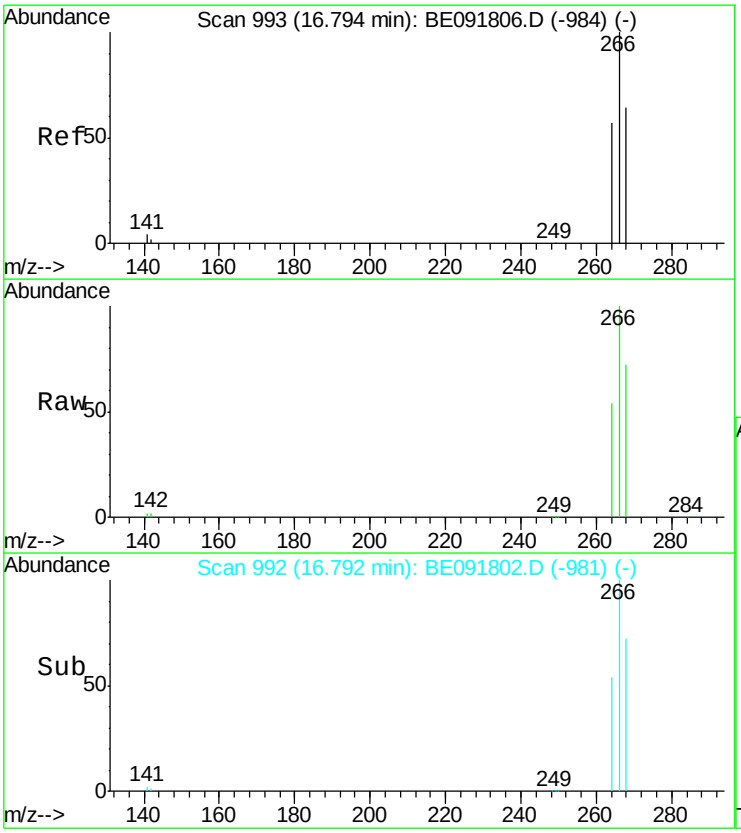
#21
Hexachlorobenzene
Concen: 4.62 ng
RT: 16.45 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 41623

Ion	Ratio	Lower	Upper
284	100		
142	38.3	32.2	48.2
249	32.2	25.4	38.2

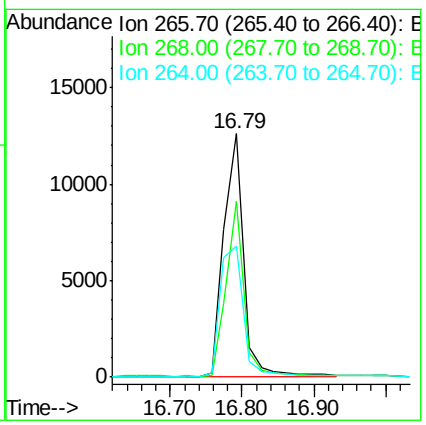


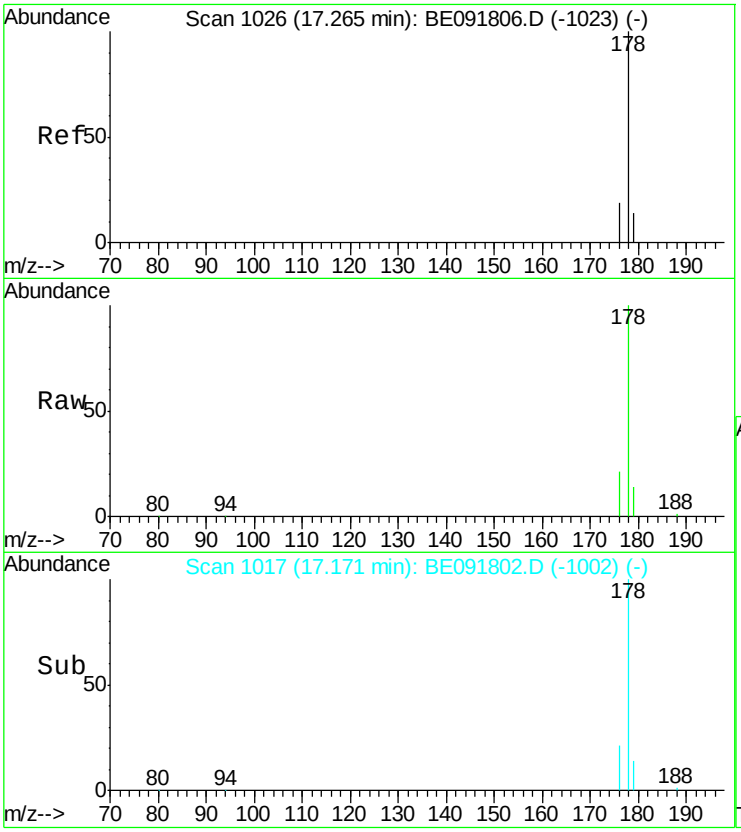


#22
Pentachlorophenol
Concen: 5.63 ng
RT: 16.79 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:266 Resp: 23893

Ion	Ratio	Lower	Upper
266	100		
268	71.9	58.2	87.2
264	53.7	56.2	84.4#



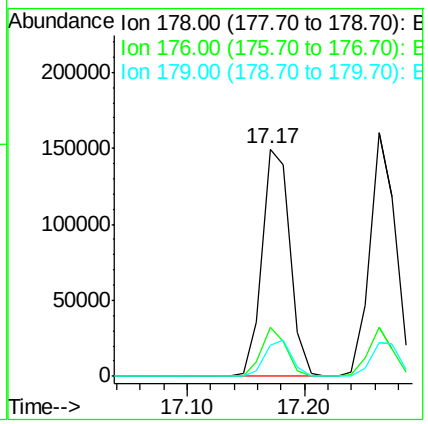


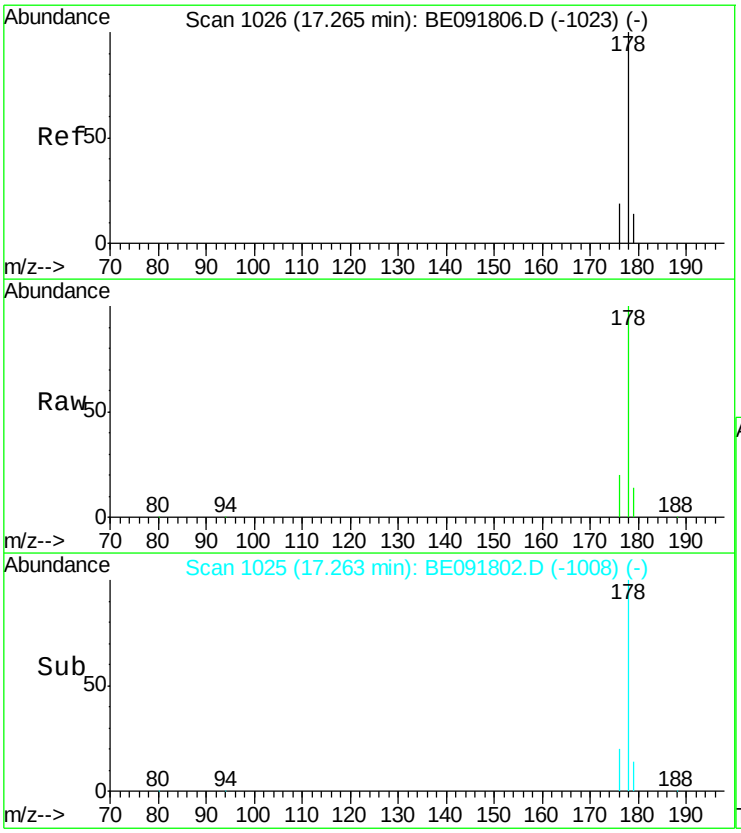
#23
Phenanthrene
Concen: 4.36 ng
RT: 17.17 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 248402

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.4	12.6	18.8

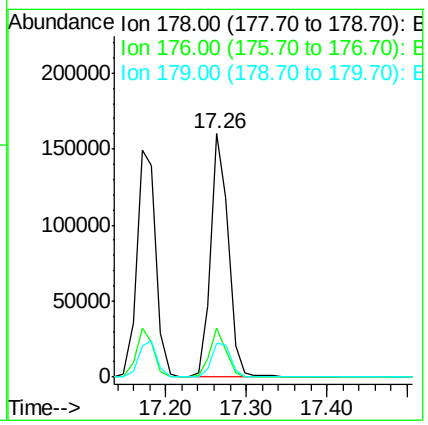


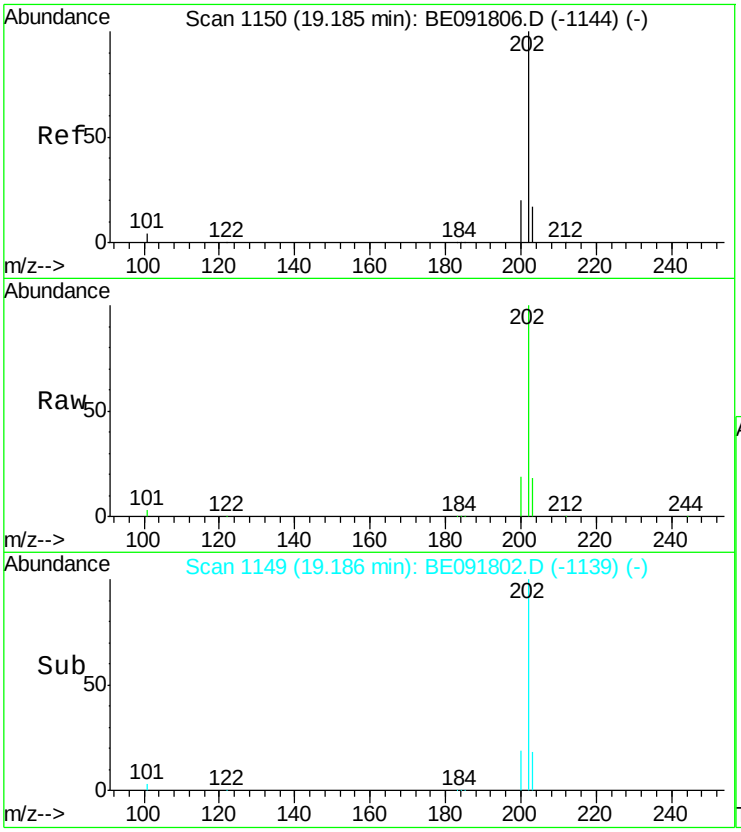


#24
Anthracene
Concen: 4.78 ng
RT: 17.26 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:178 Resp: 245578

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.3	11.8	17.6



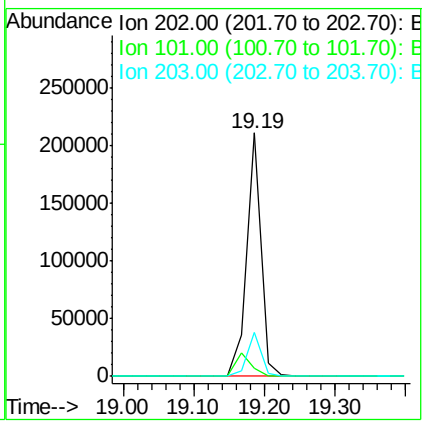


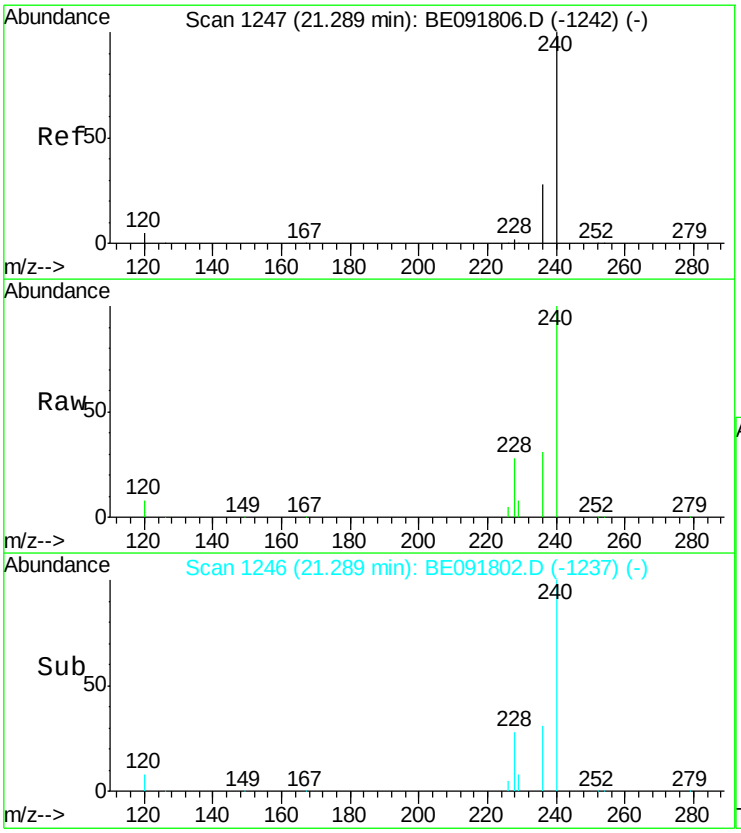
#25
Fluoranthene
Concen: 5.05 ng
RT: 19.19 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 300526

Ion	Ratio	Lower	Upper
202	100		
101	10.8	11.0	16.6#
203	17.7	13.9	20.9

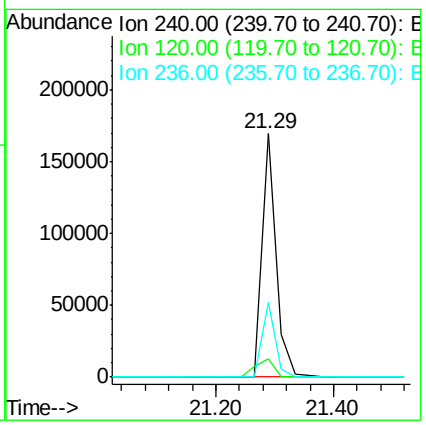


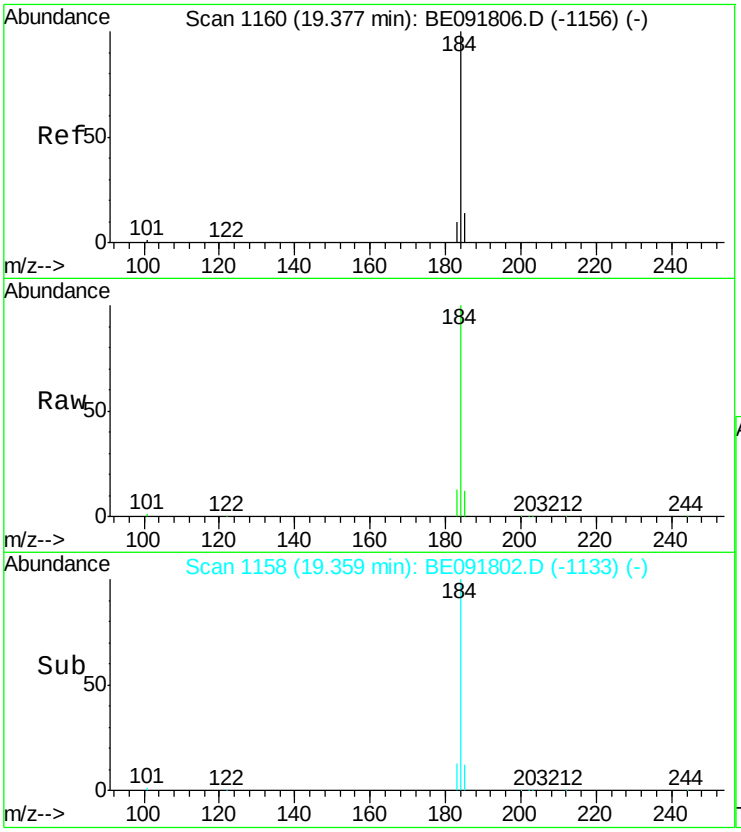


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:240 Resp: 280882

Ion	Ratio	Lower	Upper
240	100		
120	7.6	11.0	16.4#
236	30.7	21.7	32.5



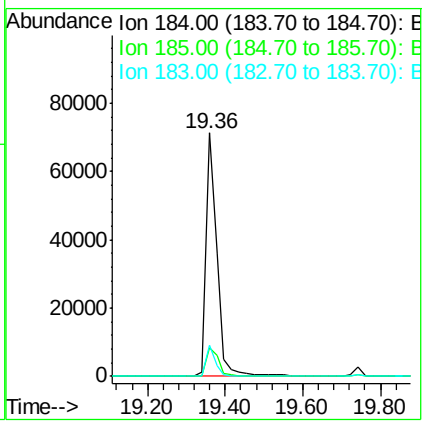


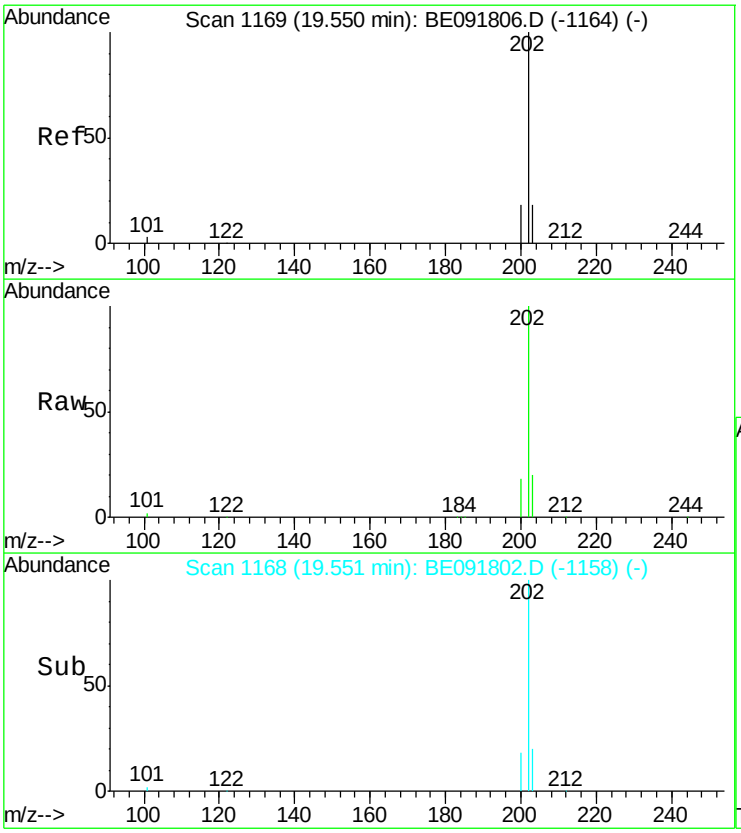
#27
Benzidine
Concen: 8.66 ng
RT: 19.36 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:184 Resp: 138949

Ion	Ratio	Lower	Upper
184	100		
185	11.9	22.3	33.5#
183	12.7	16.4	24.6#

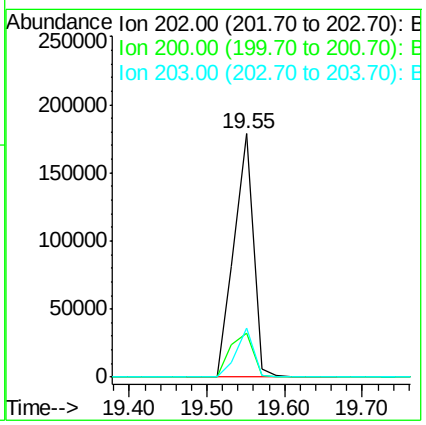


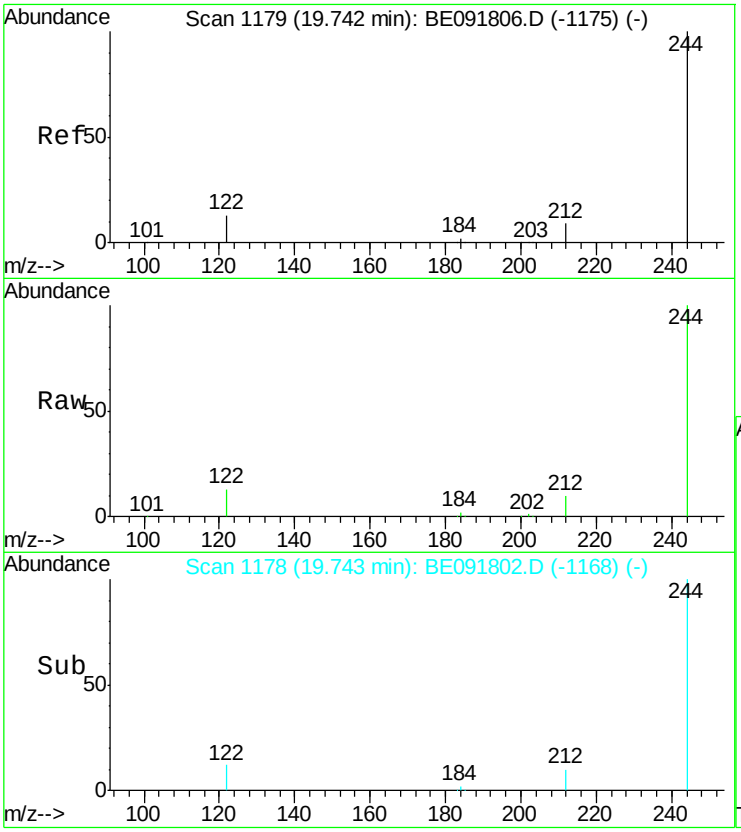


#28
Pyrene
Concen: 4.87 ng
RT: 19.55 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:202 Resp: 309269

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.0	14.0	21.0



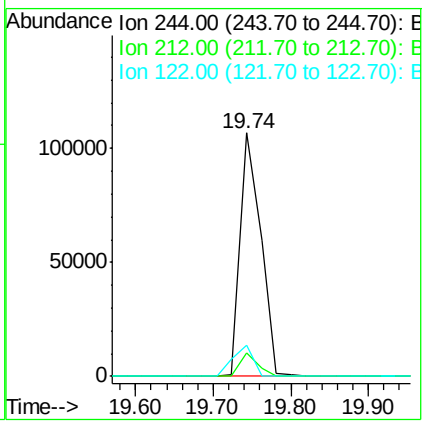


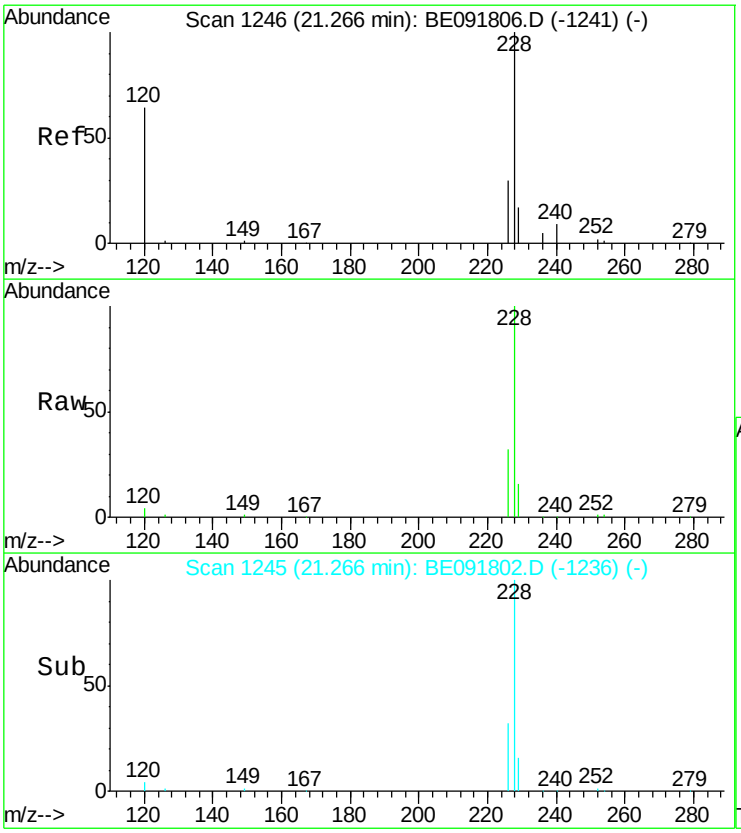
#29
Terphenyl-d14
Concen: 4.46 ng
RT: 19.74 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 195352

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.9	10.3
122	12.6	11.0	16.4

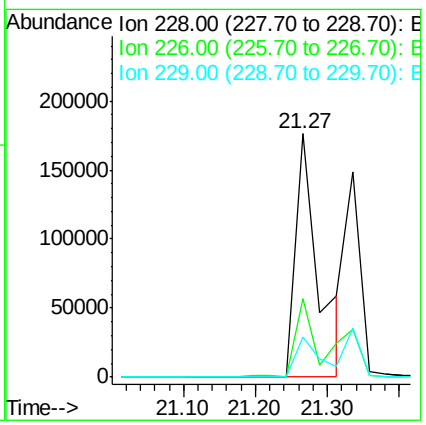


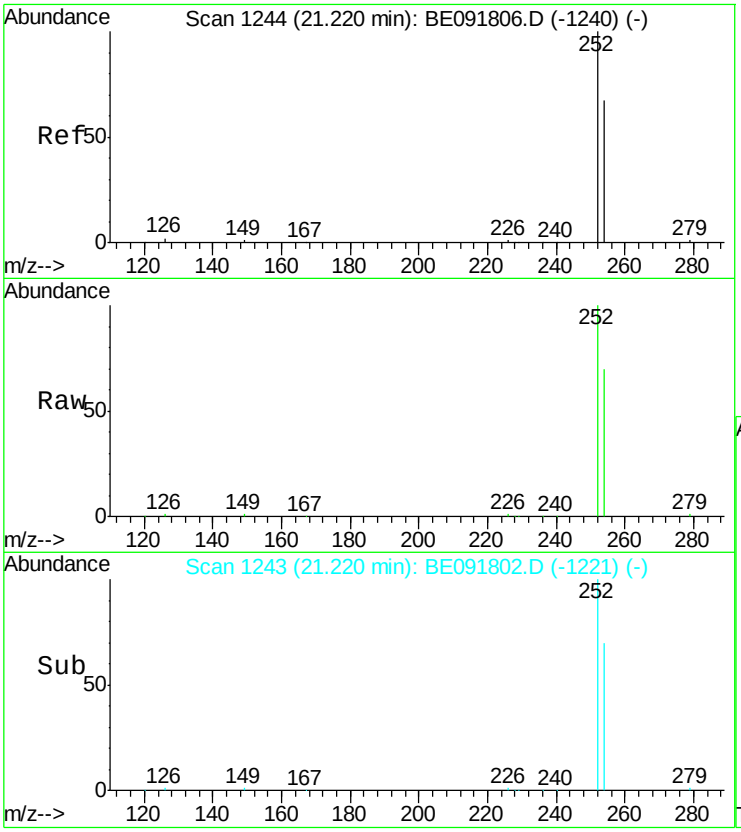


#30
Benzo(a)anthracene
Concen: 5.69 ng
RT: 21.27 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:228 Resp: 390254

Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.0	31.4#
229	16.3	15.7	23.5



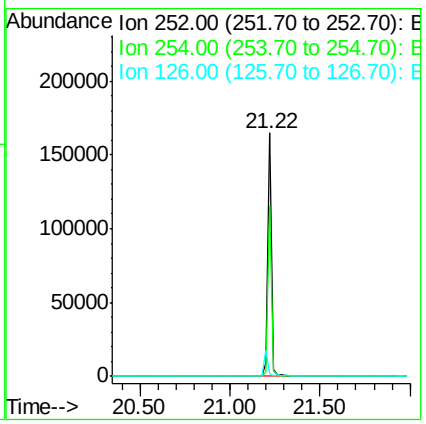


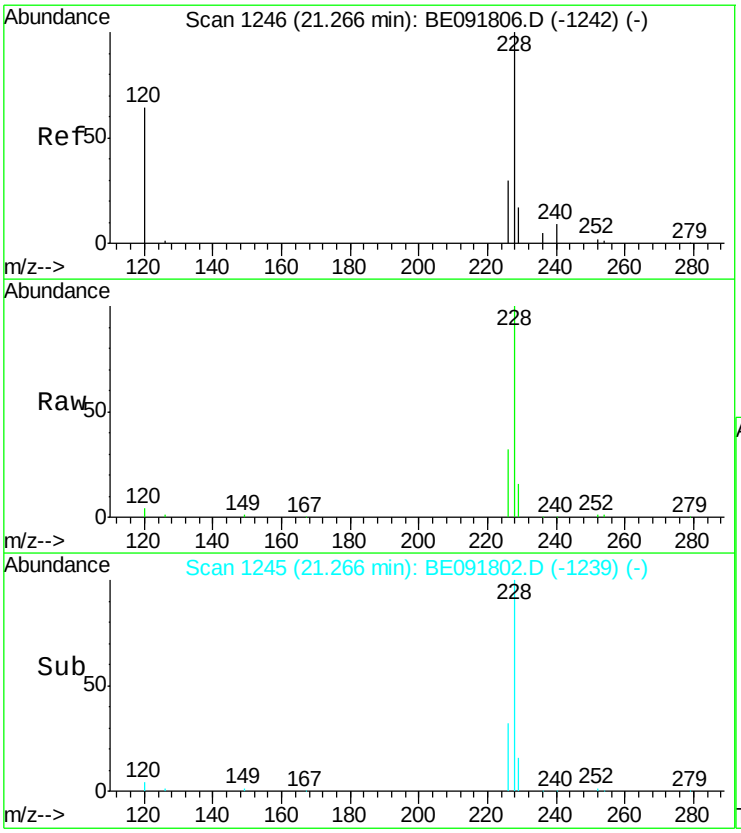
#31
3,3'-Dichlorobenzidine
Concen: 7.23 ng
RT: 21.22 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 253087

Ion	Ratio	Lower	Upper
252	100		
254	70.0	51.1	76.7
126	1.1	12.6	18.8#

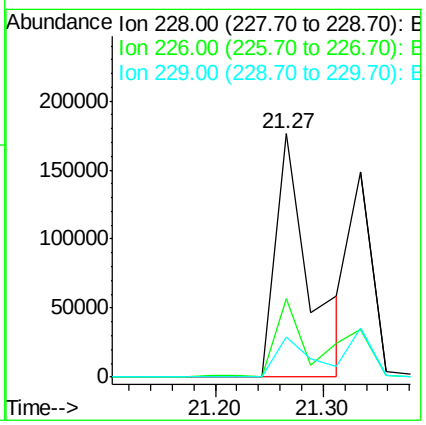


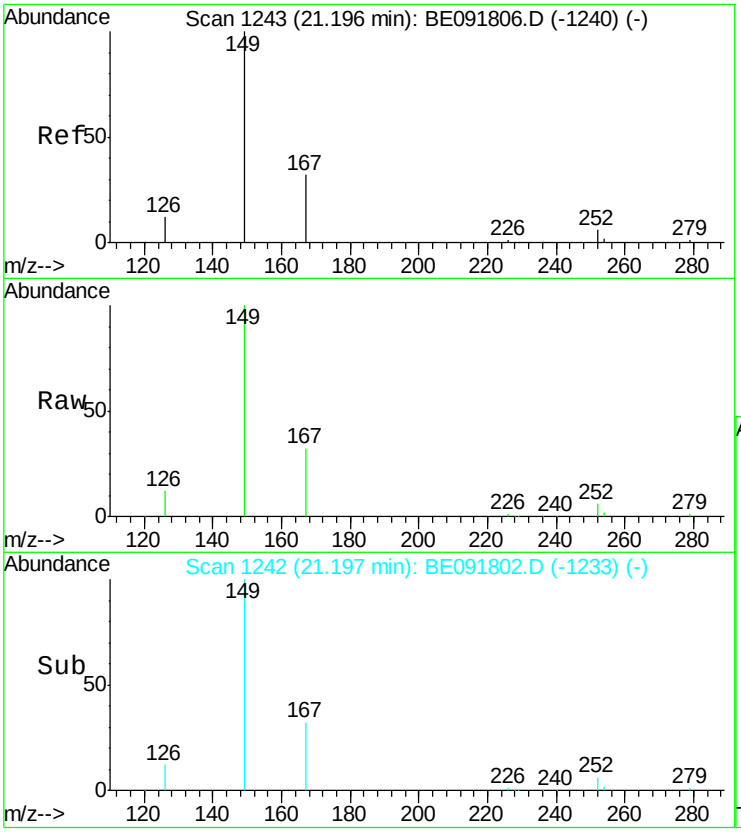


#32
Chrysene
Concen: 5.47 ng
RT: 21.27 min Scan# 1245
Delta R.T. -0.07 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:228 Resp: 390164

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	16.3	15.9	23.9



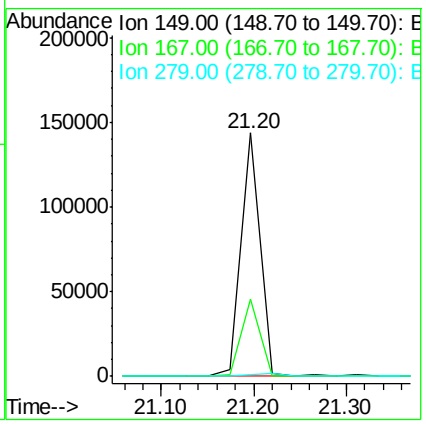


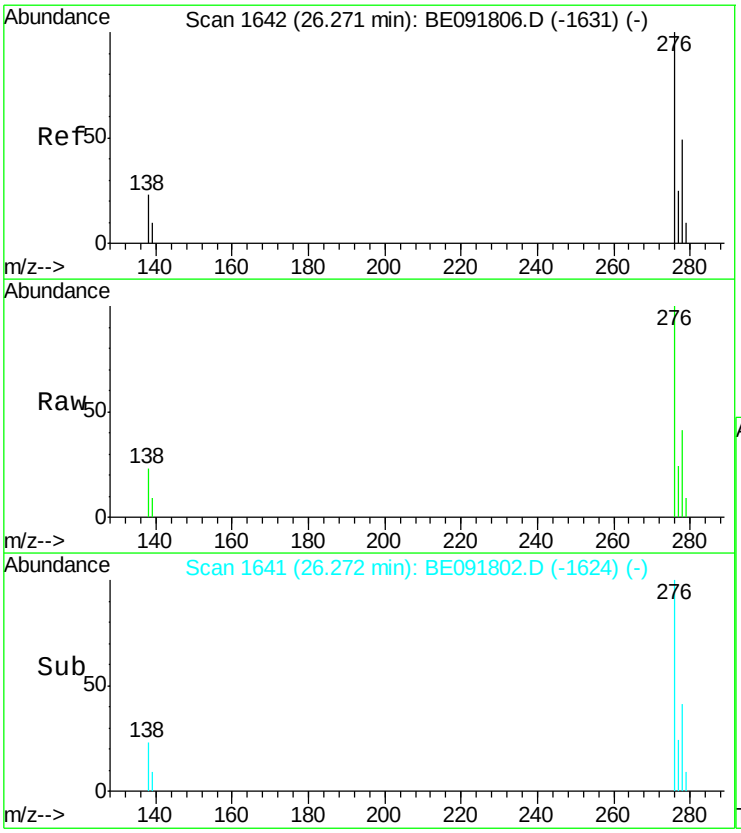
#33
Bis(2-ethylhexyl)phthalate
Concen: 9.98 ng
RT: 21.20 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:149 Resp: 207472

Ion	Ratio	Lower	Upper
149	100		
167	31.3	19.5	29.3#
279	0.0	10.0	15.0#

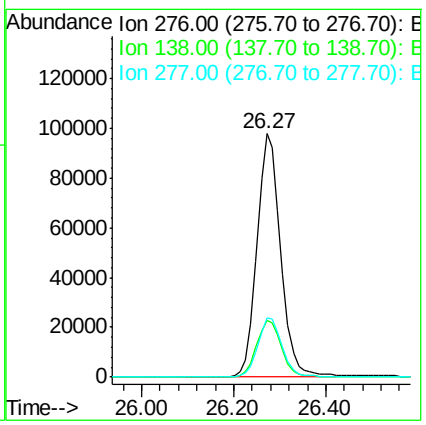


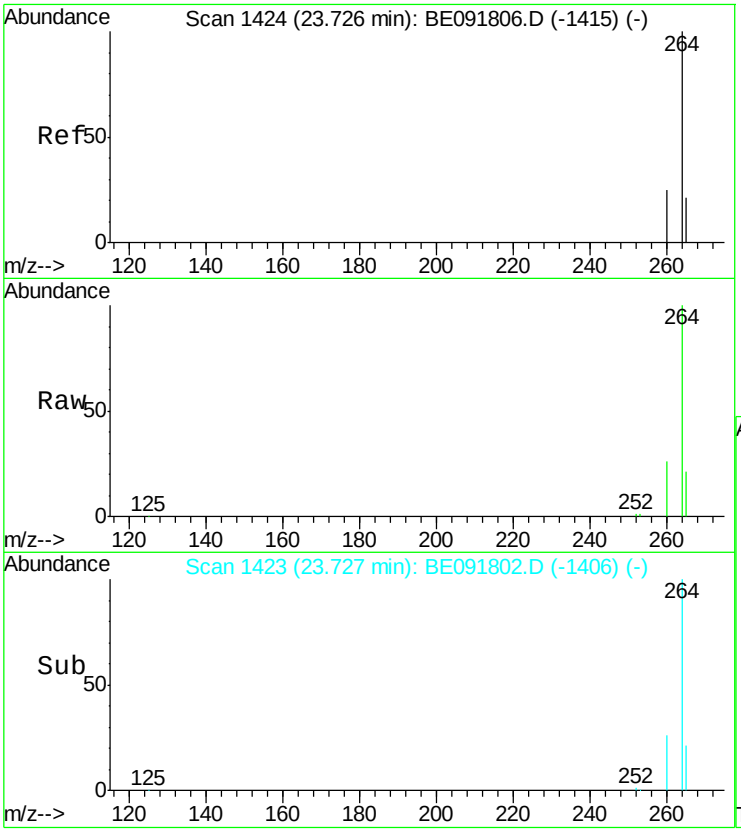


#34
Indeno(1,2,3-cd)pyrene
Concen: 5.47 ng
RT: 26.27 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:276 Resp: 347315

Ion	Ratio	Lower	Upper
276	100		
138	24.4	23.4	35.2
277	24.9	19.8	29.8



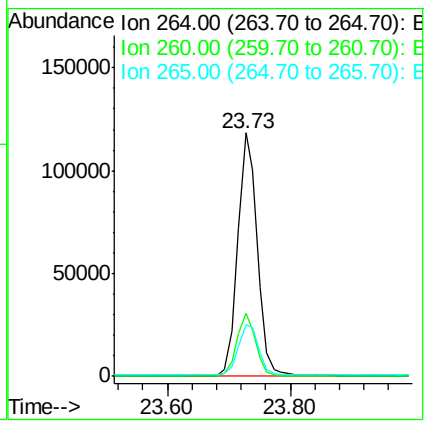


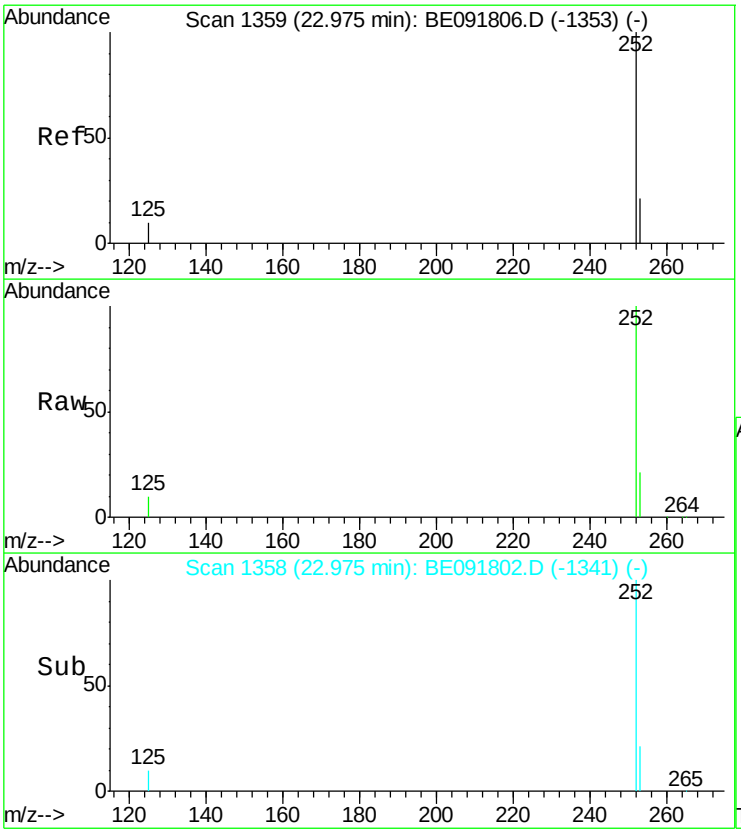
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 264724

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.0	30.0
265	21.4	17.5	26.3

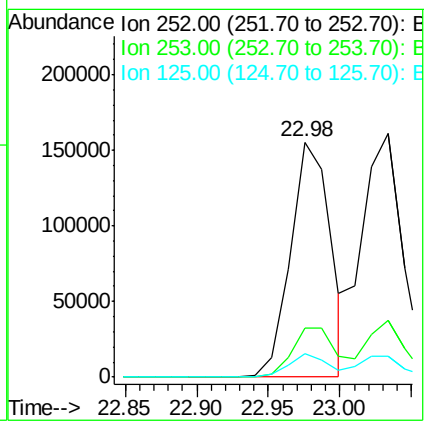


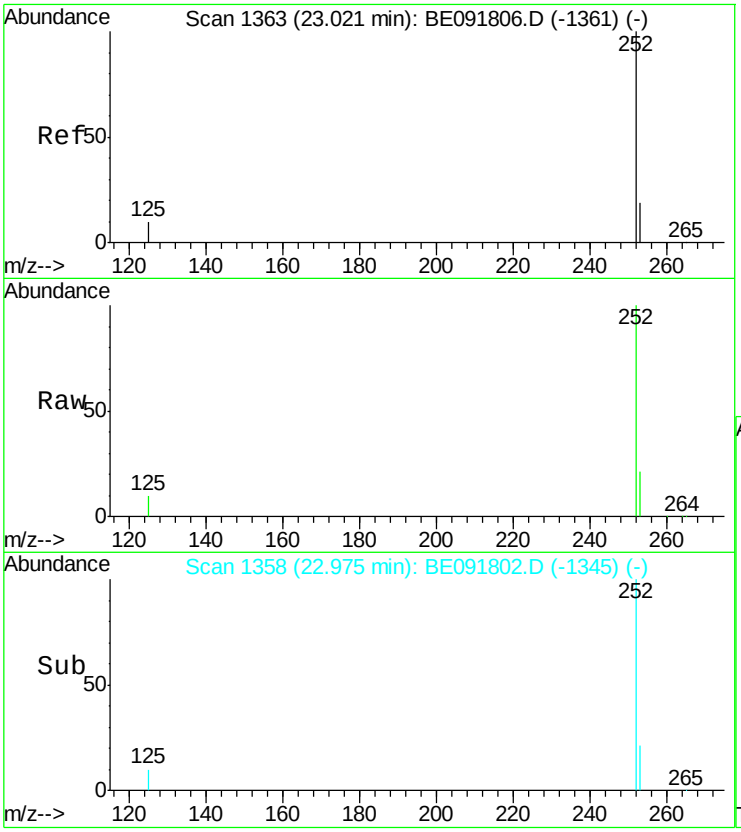


#36
Benzo(b)fluoranthene
Concen: 4.83 ng
RT: 22.98 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:252 Resp: 299687

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	9.9	10.2	15.2#



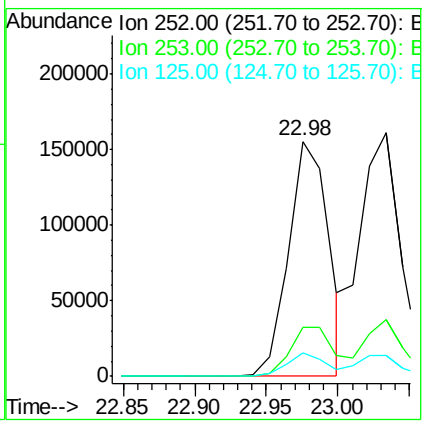


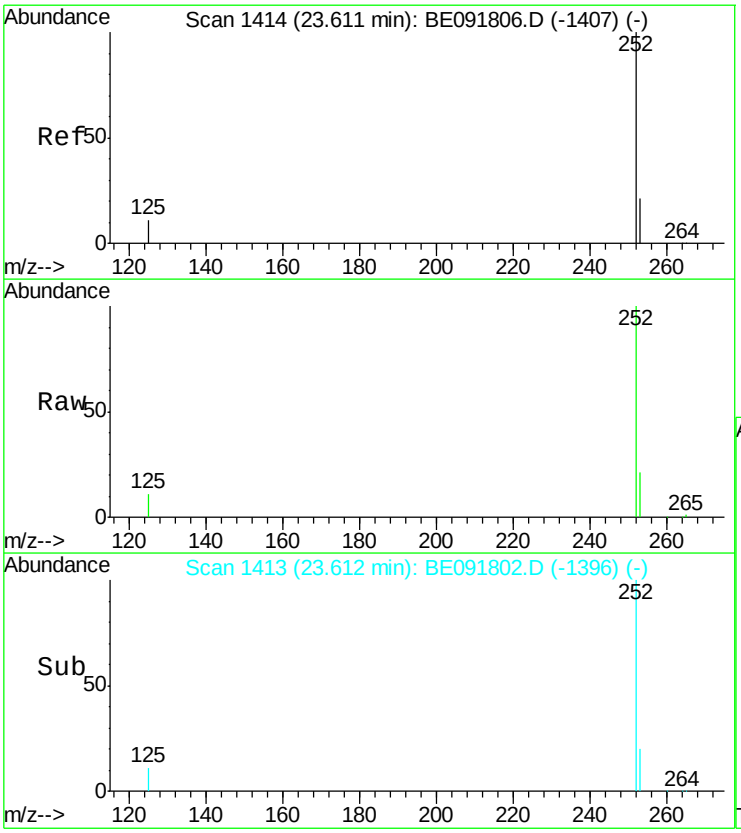
#37
Benzo(k)fluoranthene
Concen: 4.75 ng
RT: 22.98 min Scan# 1358
Delta R.T. -0.05 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 299687

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	9.9	9.9	14.9

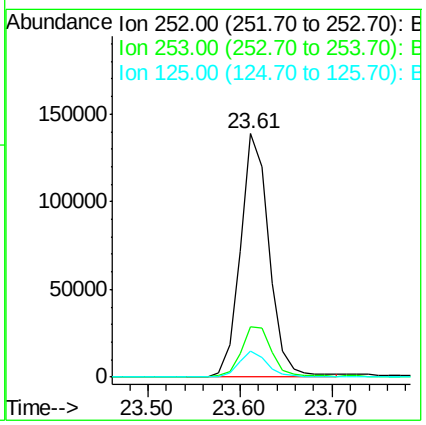


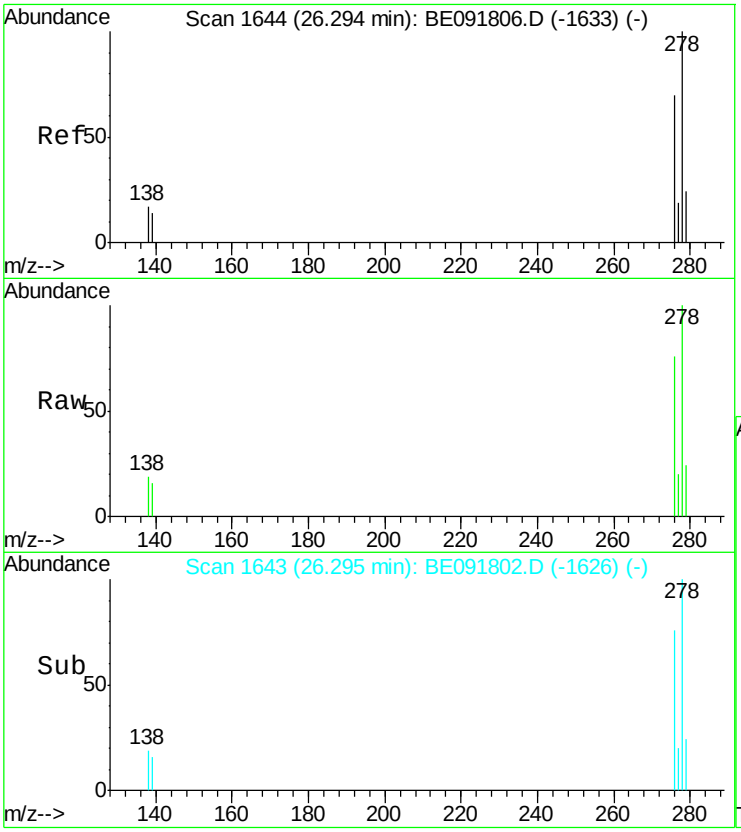


#38
Benzo(a)pyrene
Concen: 5.09 ng
RT: 23.61 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:252 Resp: 297584

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.1	27.1
125	10.7	11.0	16.4#



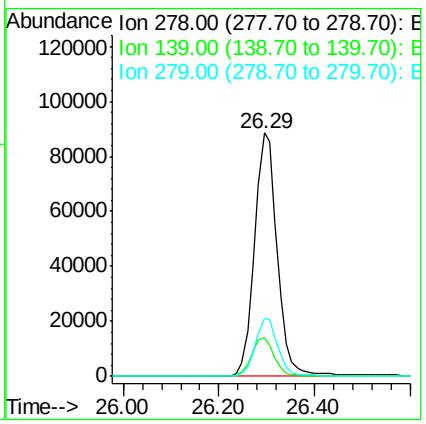


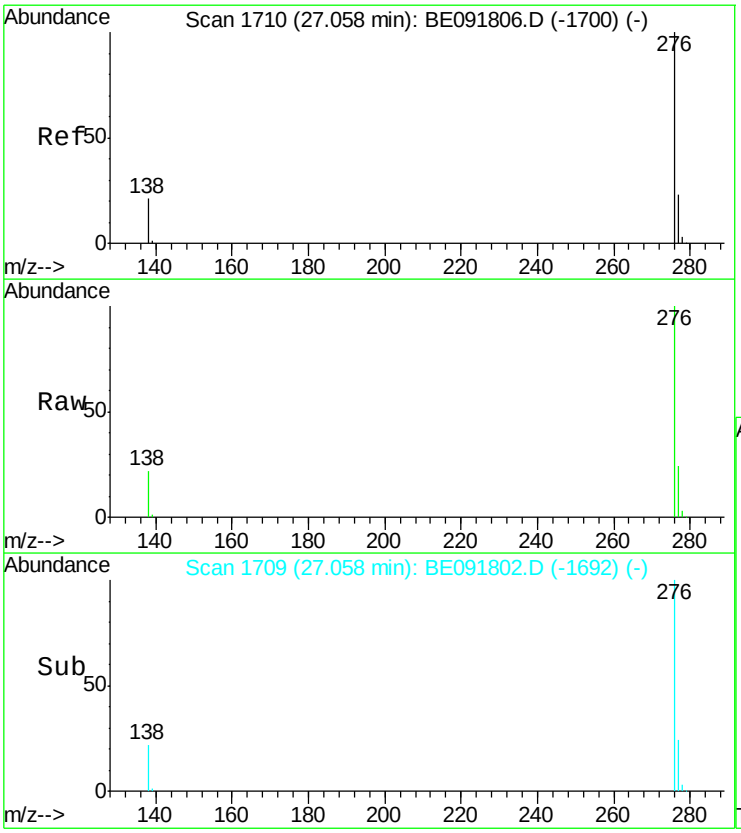
#39
Dibenzo(a,h)anthracene
Concen: 5.25 ng
RT: 26.29 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 290327

Ion	Ratio	Lower	Upper
278	100		
139	16.1	16.0	24.0
279	23.8	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 5.19 ng
RT: 27.06 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BE091802.D
Acq: 19 May 2016 10:07

Tgt Ion:276 Resp: 292181

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	21.6	20.4	30.6