Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097031.D
Acq On : 23 Jul 2018 10:55
Operator : SJ/JU
Sample : J4014-08MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE104D3-071318MS

Quant Time: Jul 23 11:33:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1799	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	7847	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3940	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	12019	0.40	ng		0.00
27) Chrysene-d12	20.98	240	13407	0.40	ng		0.00
34) Perylene-d12	23.21	264	11647	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	651	0.15	ng		0.00
5) Phenol-d6	6.60	99	498	0.08	ng		0.00
8) Nitrobenzene-d5	8.52	82	2450	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4702	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	358	0.42	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	8121	0.55	ng		0.00
25) Fluoranthene-d10	18.81	212	57212	0.55	ng		0.00
29) Terphenyl-d14	19.43	244	12243	0.47	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	1126	0.437	ng		91
3) n-Nitrosodimethylamine	3.38	42	485	0.167	ng	#	83
6) bis(2-Chloroethyl)ether	6.84	93	2316	0.359	ng		98
9) Naphthalene	10.20	128	28868	0.411	ng		99
10) Hexachlorobutadiene	10.50	225	1203	0.424	ng		99
12) 2-Methylnaphthalene	11.80	142	4630	0.389	ng		98
16) Acenaphthylene	13.73	152	6868	0.382	ng		99
17) Acenaphthene	14.08	154	4134	0.370	ng	#	90
18) Fluorene	15.07	166	5615	0.447	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	2121	0.373	ng		87
21) Hexachlorobenzene	16.08	284	2163	0.343	ng	#	84
22) Pentachlorophenol	16.43	266	571	0.585	ng	#	76
23) Phenanthrene	16.81	178	11955	0.415	ng		99
24) Anthracene	16.89	178	10404	0.415	ng		96
26) Fluoranthene	18.84	202	15102	0.497	ng		98
28) Pyrene	19.20	202	15211	0.384	ng		99
30) Benzo(a)anthracene	20.96	228	13489	0.423	ng		98
31) Chrysene	21.02	228	14868	0.415	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	12146	0.381	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11945	0.458	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	11435	0.385	ng	#	87
36) Benzo(k)fluoranthene	22.58	252	14126	0.400	ng		96
37) Benzo(a)pyrene	23.11	252	10500	0.412	ng	#	92
38) Dibenzo(a,h)anthracene	25.53	278	9972	0.461	ng	#	95
39) Benzo(g,h,i)perylene	26.20	276	10090	0.417	ng	#	89

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

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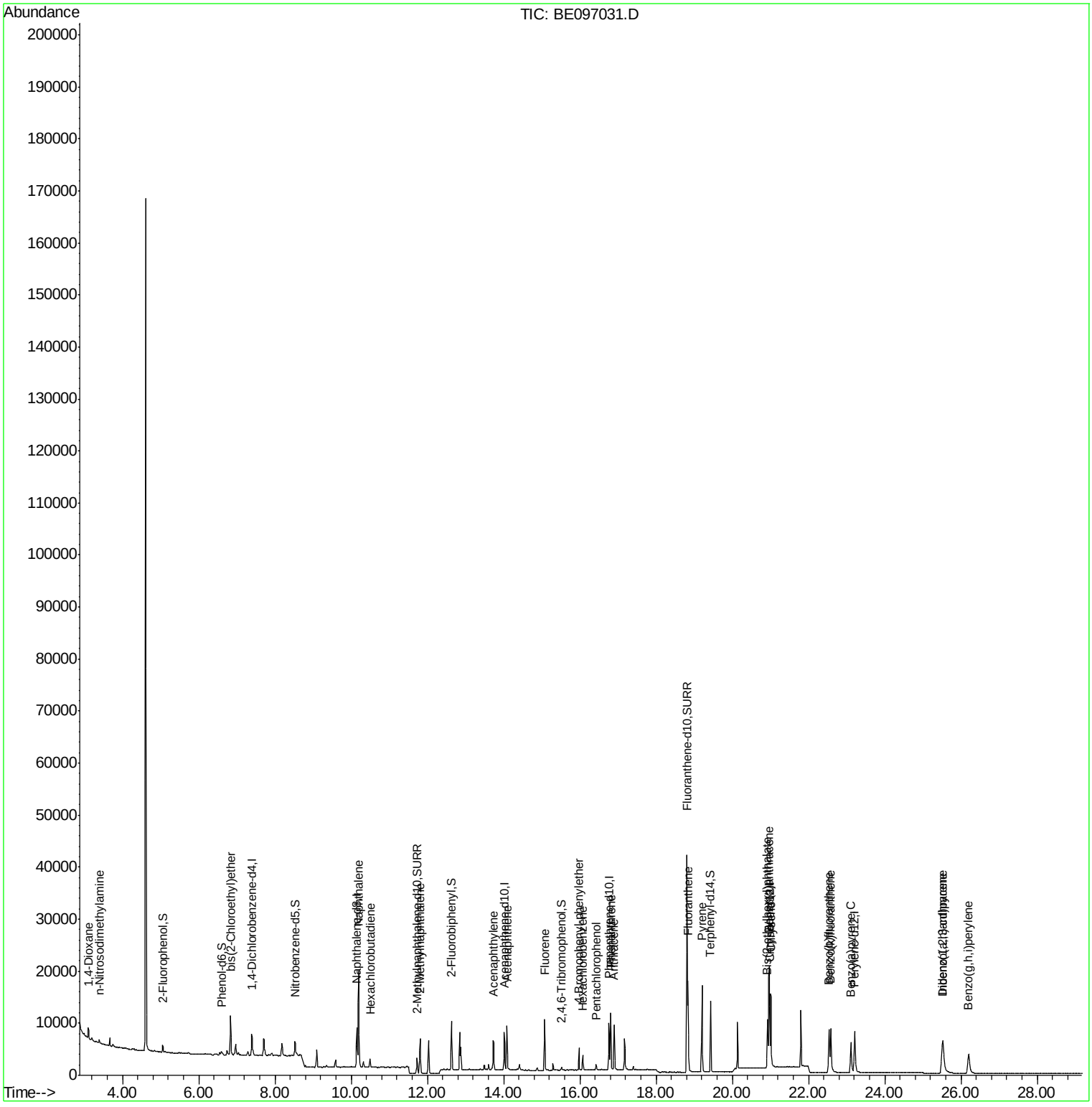
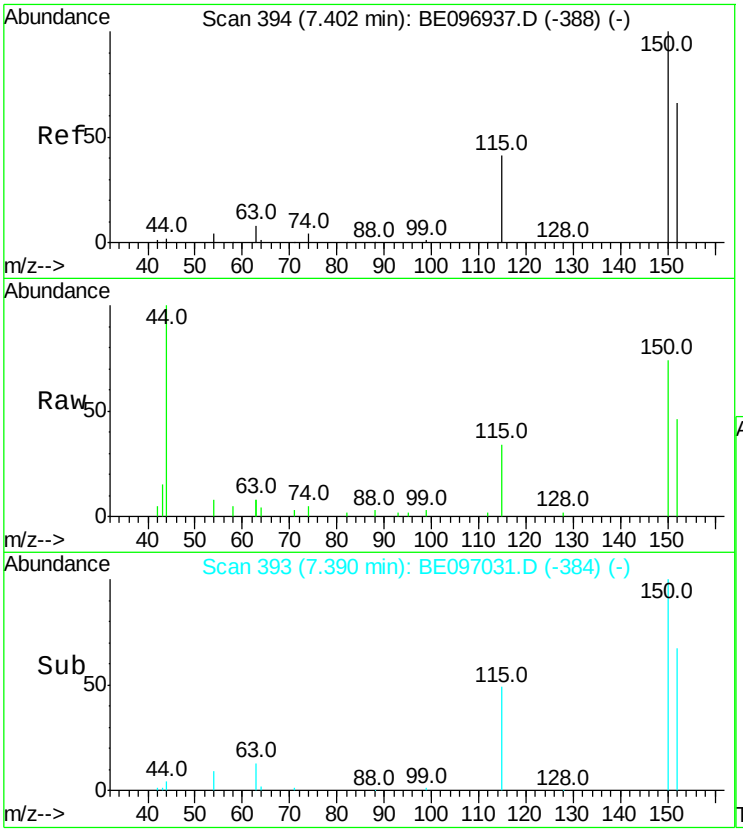
Operator : SJ/JU
Sample : J4014-08MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Quant Time: Jul 23 11:33:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration



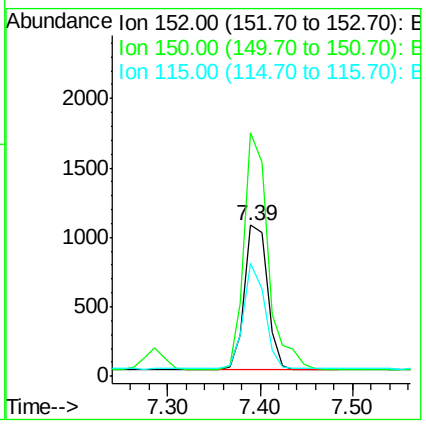


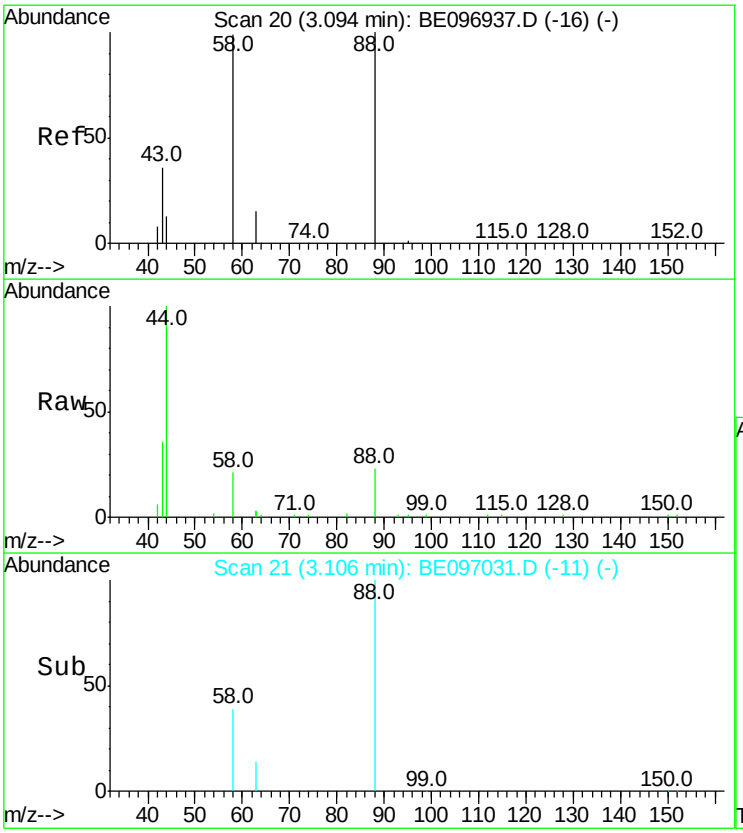
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:152 Resp: 1799

Ion	Ratio	Lower	Upper
152	100		
150	161.3	117.2	175.8
115	74.7	57.0	85.6

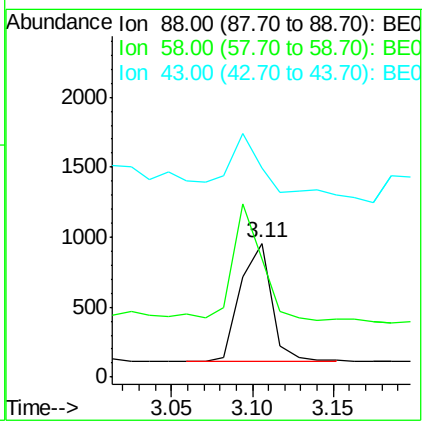


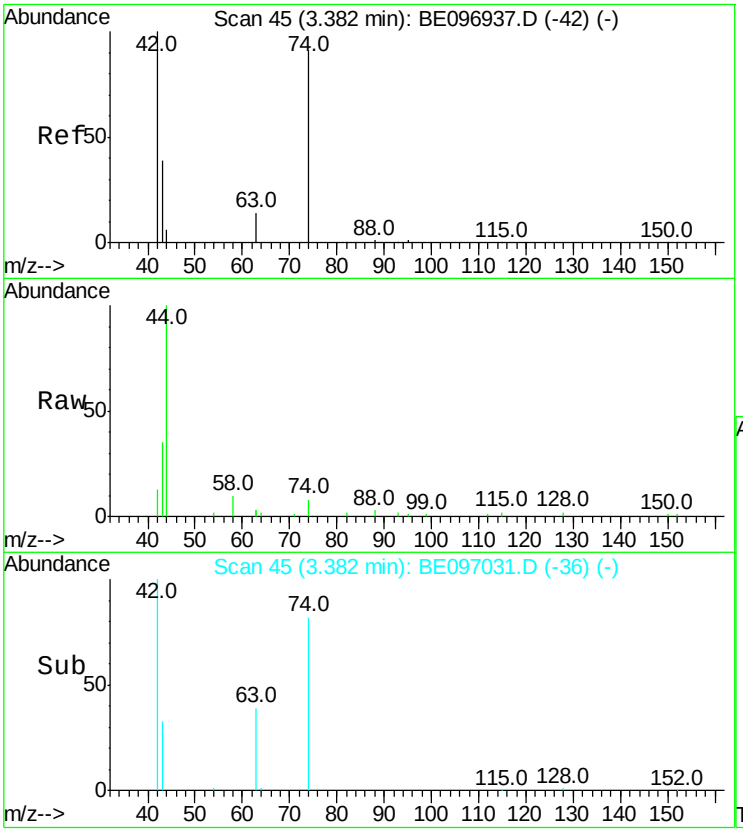


#2
1,4-Dioxane
Concen: 0.437 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion: 88 Resp: 1126

Ion	Ratio	Lower	Upper
88	100		
58	91.7	63.2	94.8
43	52.5	41.2	61.8



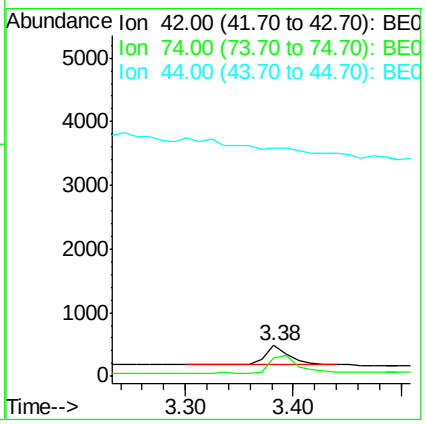


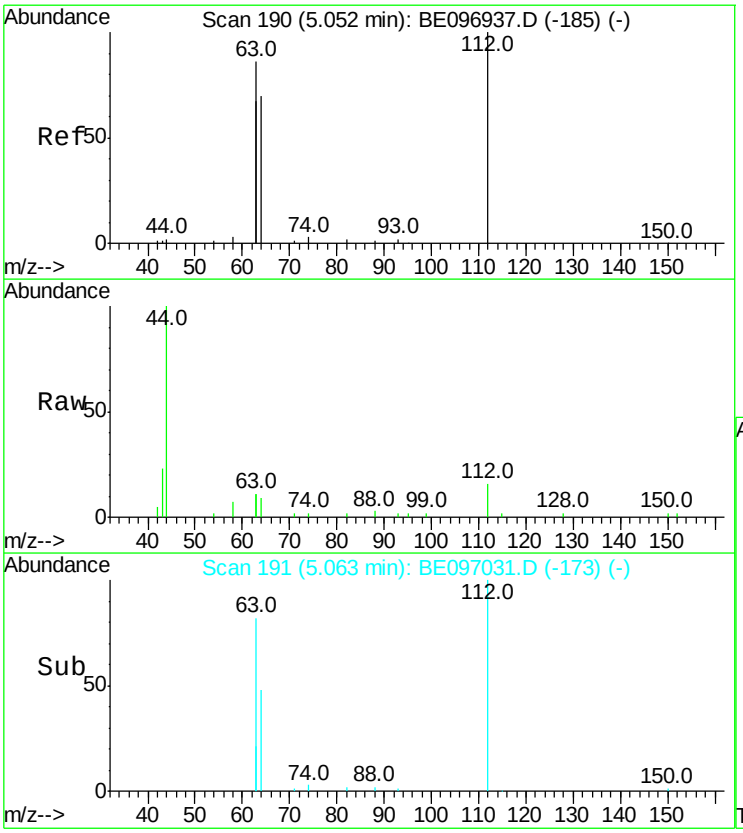
#3
n-Nitrosodimethylamine
Concen: 0.167 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion: 42 Resp: 485

Ion	Ratio	Lower	Upper
42	100		
74	103.3	96.0	144.0
44	0.0	12.0	18.0#

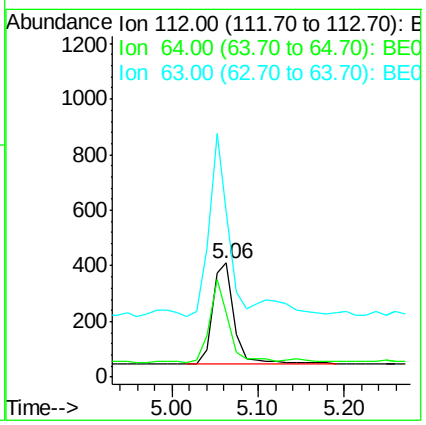


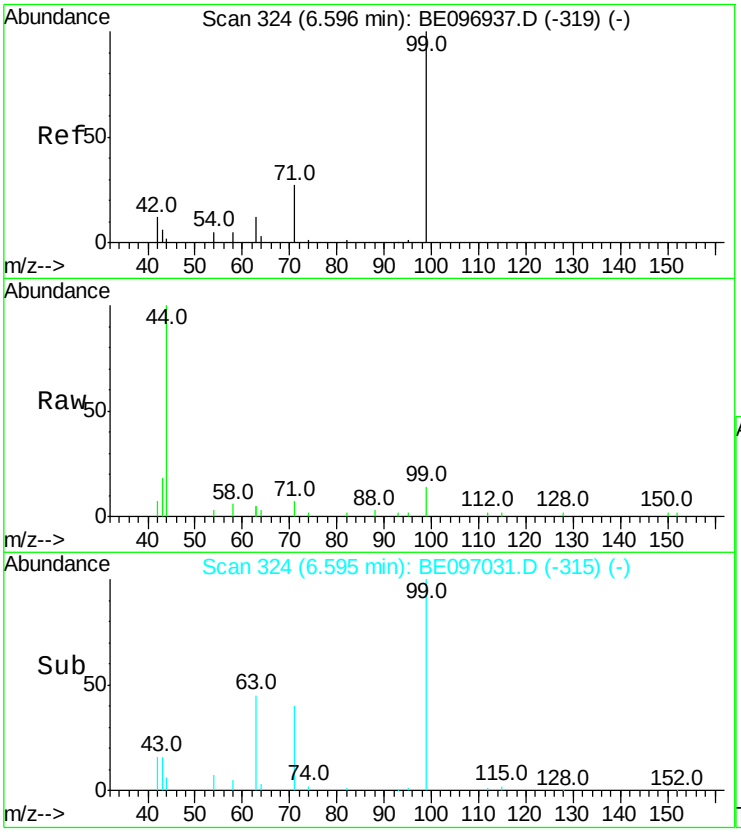


#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:112 Resp: 651

Ion	Ratio	Lower	Upper
112	100		
64	71.3	60.1	90.1
63	154.7	116.8	175.2



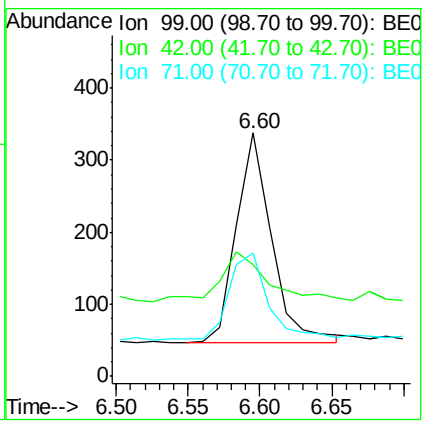


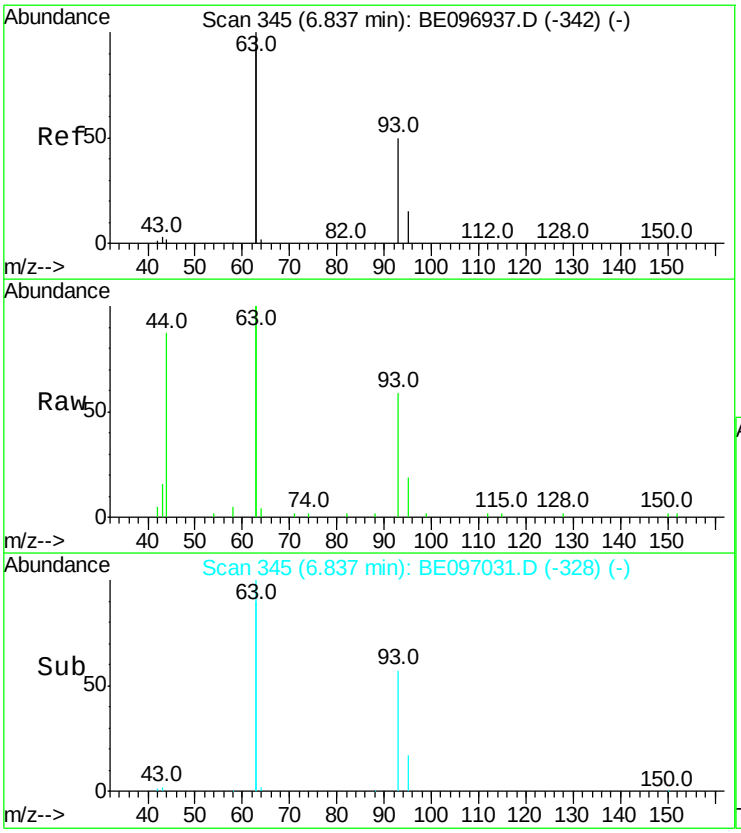
#5
Phenol-d6
Concen: 0.076 ng
RT: 6.60 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion: 99 Resp: 498

Ion	Ratio	Lower	Upper
99	100		
42	32.1	20.2	30.2#
71	45.0	28.4	42.6#

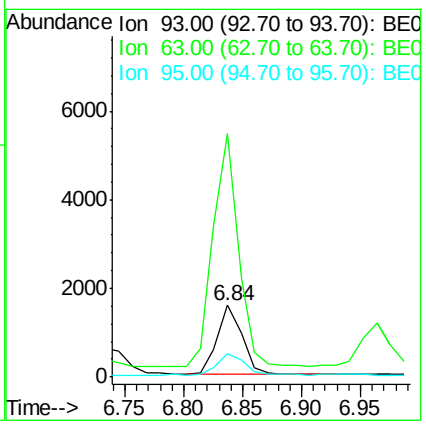


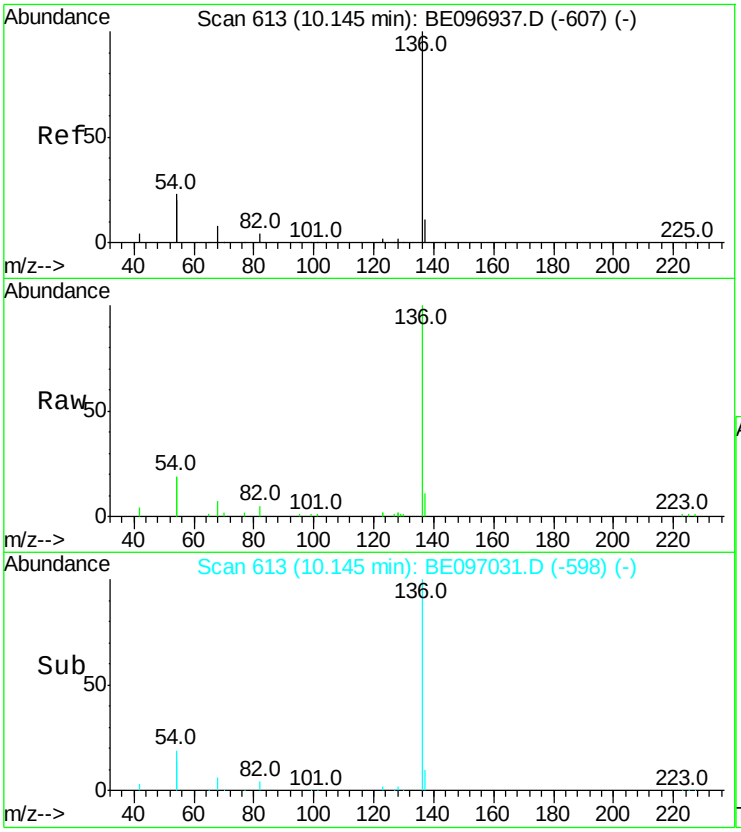


#6
bis(2-Chloroethyl)ether
Concen: 0.359 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion: 93 Resp: 2316

Ion	Ratio	Lower	Upper
93	100		
63	338.8	275.3	412.9
95	32.4	25.2	37.8



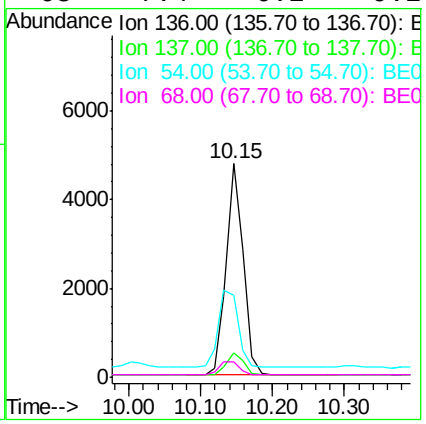


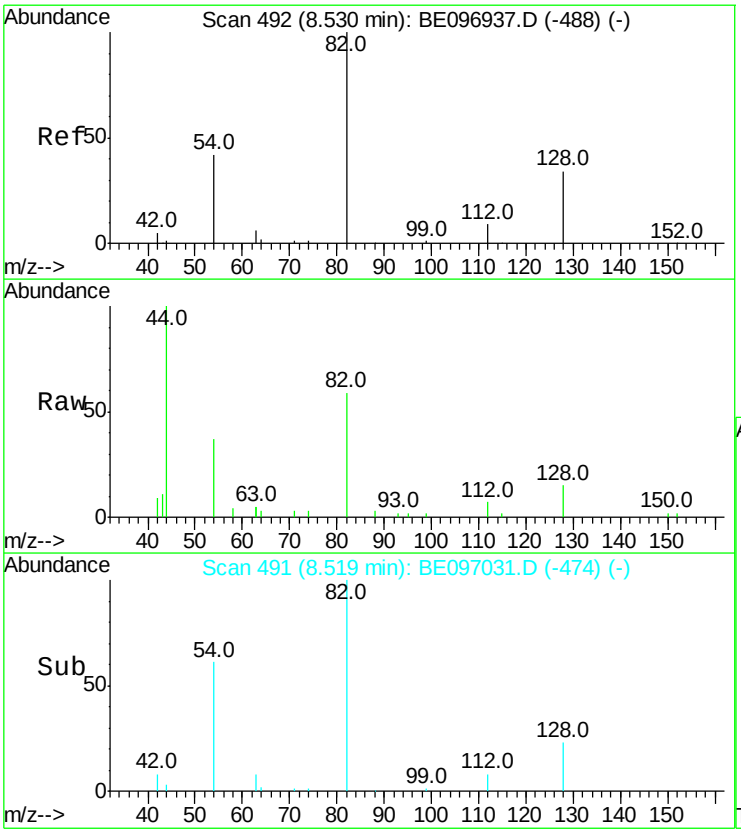
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:136 Resp: 7847

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	38.1	29.1	43.7
68	7.4	6.2	9.2

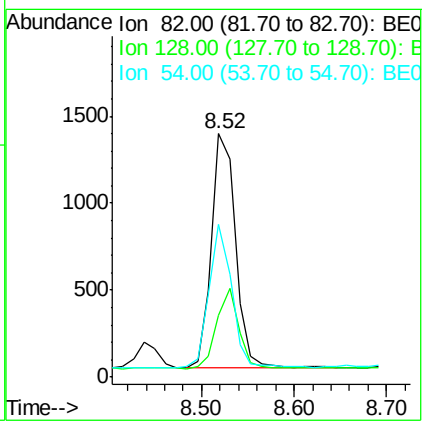


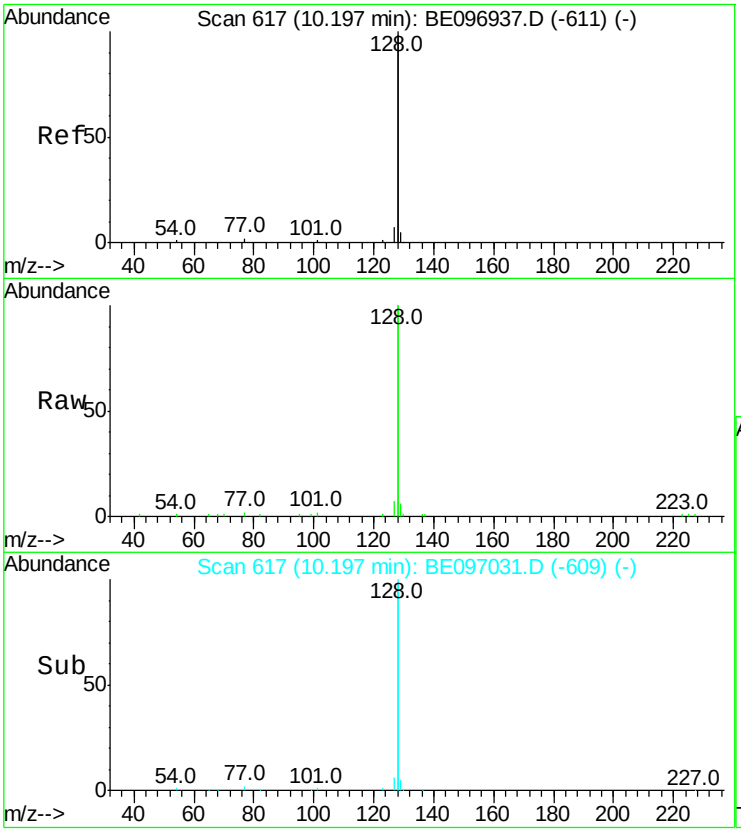


#8
Nitrobenzene-d5
Concen: 0.428 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion: 82 Resp: 2450

Ion	Ratio	Lower	Upper
82	100		
128	25.6	24.0	36.0
54	62.6	40.0	60.0#



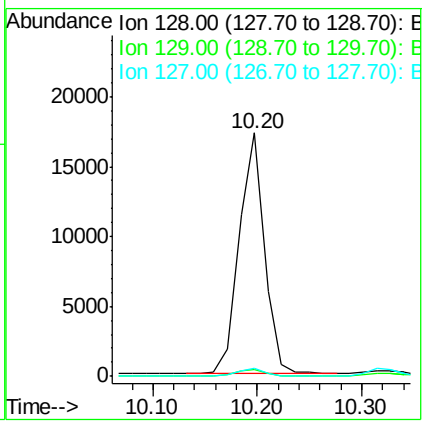


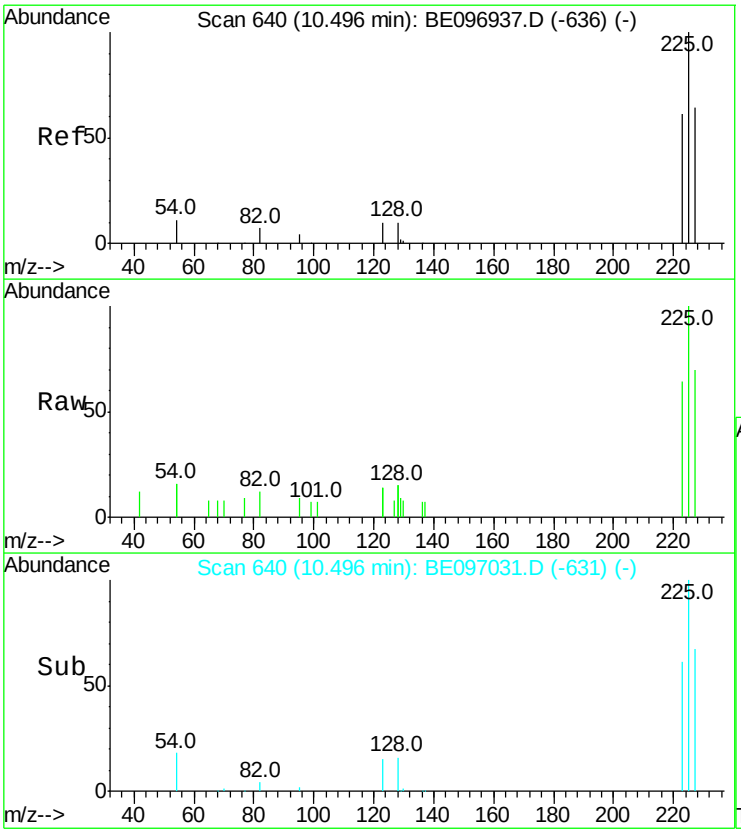
#9
Naphthalene
Concen: 0.411 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:128 Resp: 28868

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.3	2.8	4.2

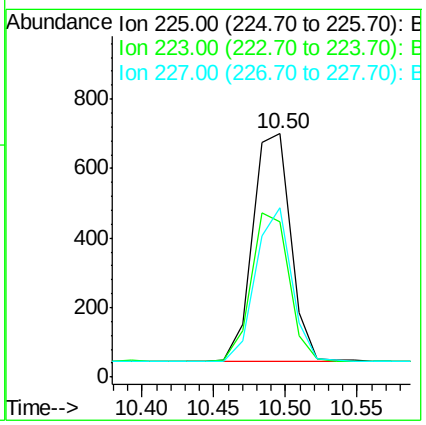


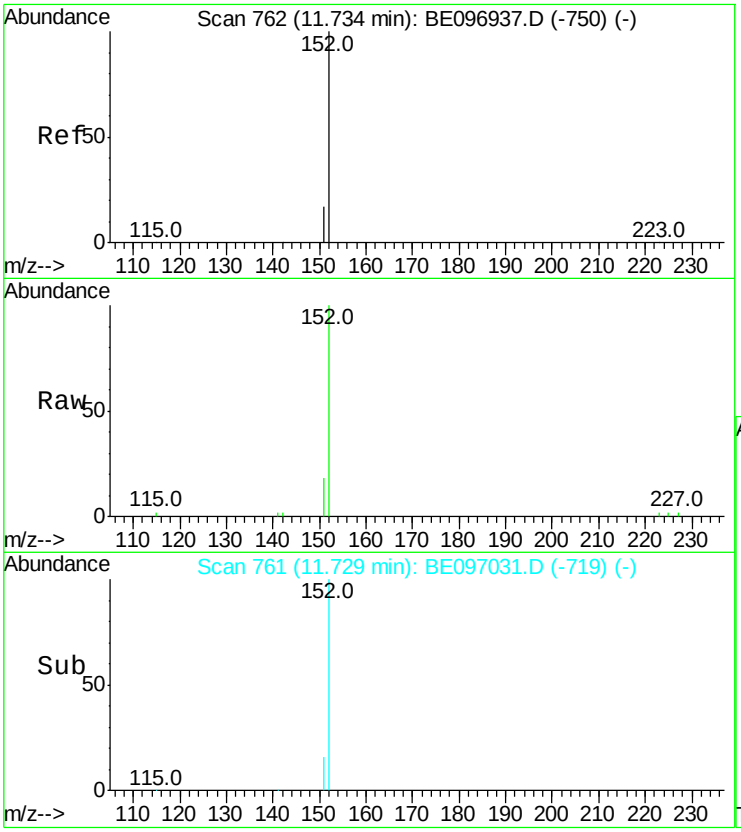


#10
Hexachlorobutadiene
Concen: 0.424 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:225 Resp: 1203

Ion	Ratio	Lower	Upper
225	100		
223	65.1	53.0	79.6
227	63.8	51.4	77.2



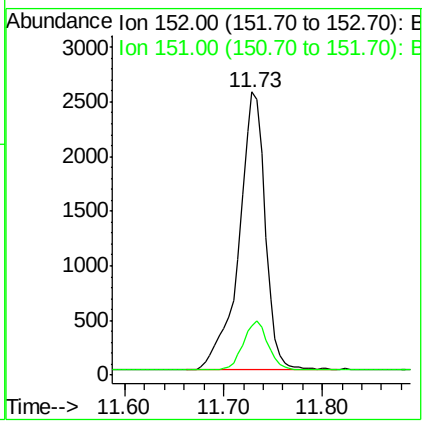


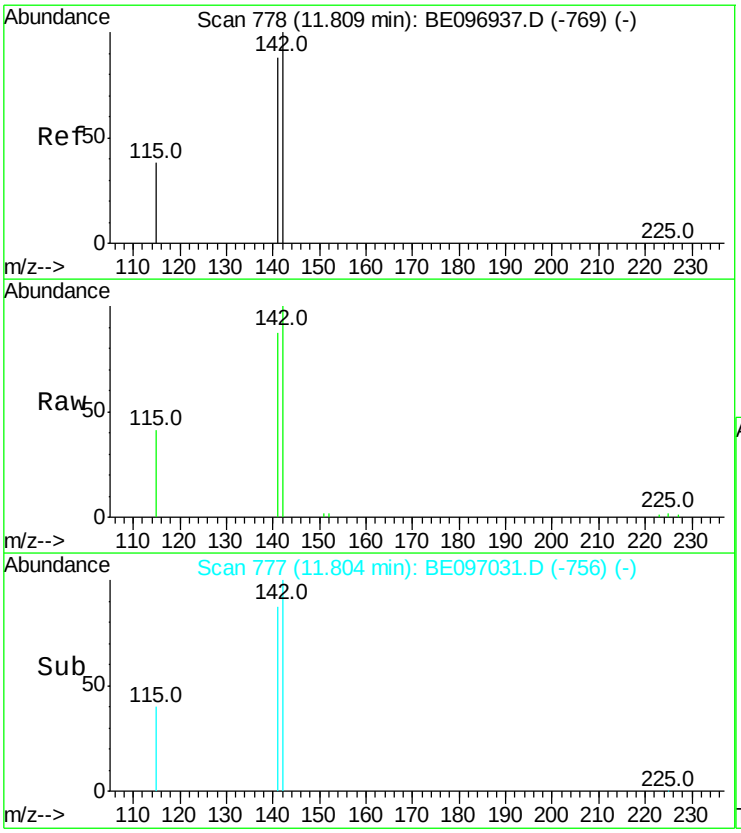
#11
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:152 Resp: 4702

Ion	Ratio	Lower	Upper
152	100		
151	16.6	15.4	23.0

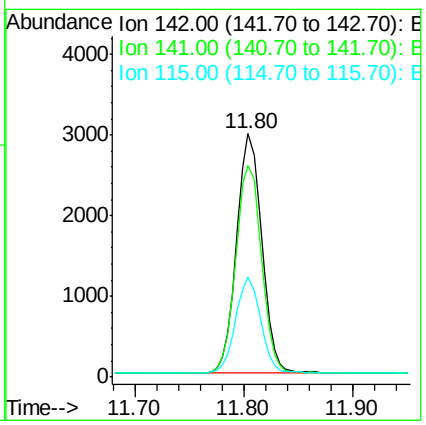


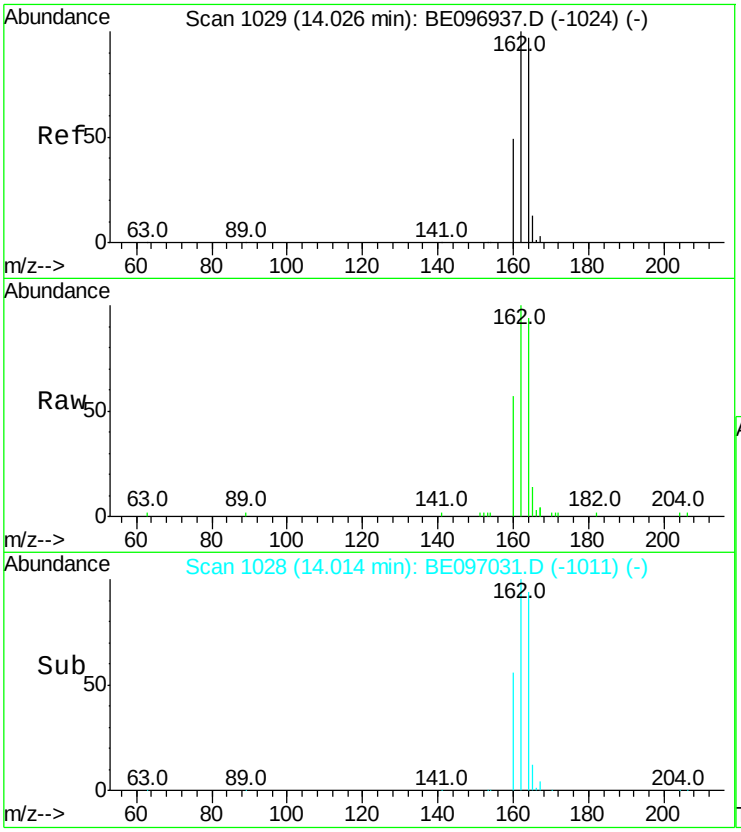


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:142 Resp: 4630

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.4	105.6
115	41.4	31.7	47.5



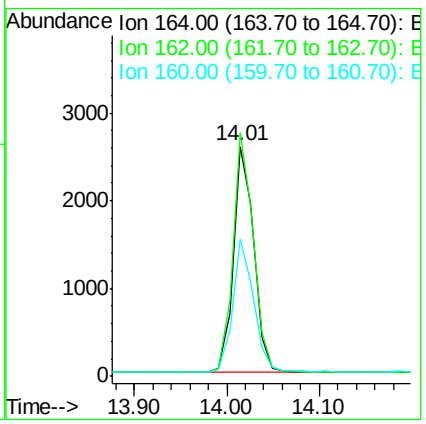


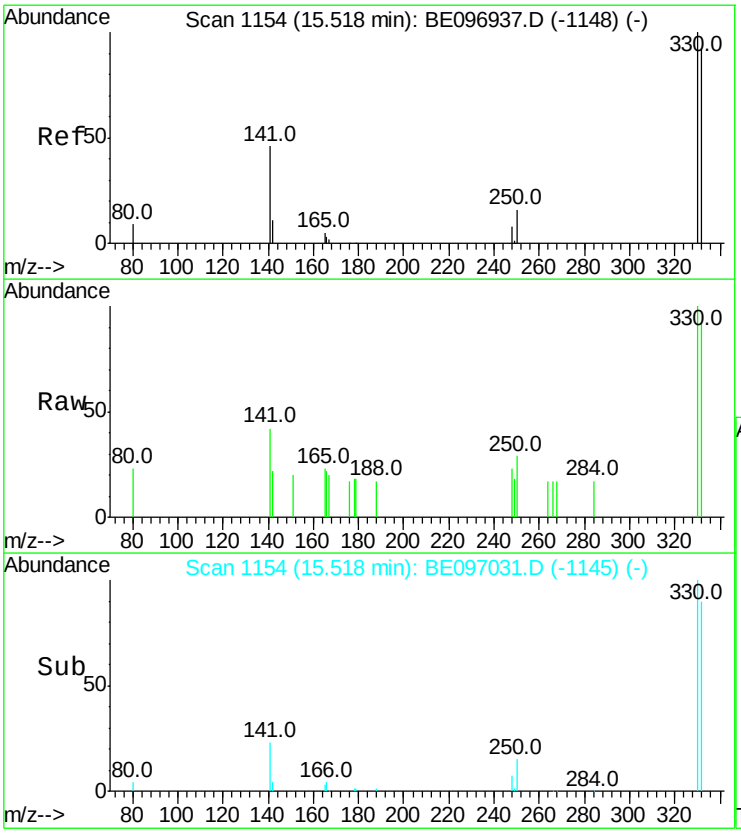
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:164 Resp: 3940

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.1	124.7
160	60.0	37.1	55.7#

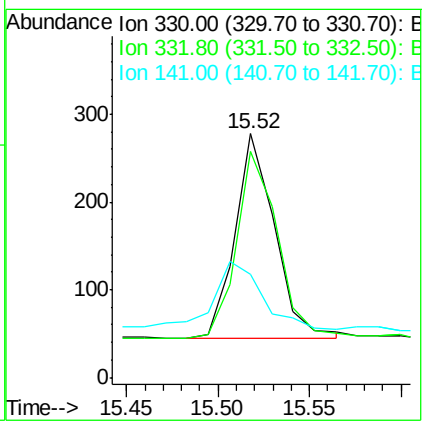


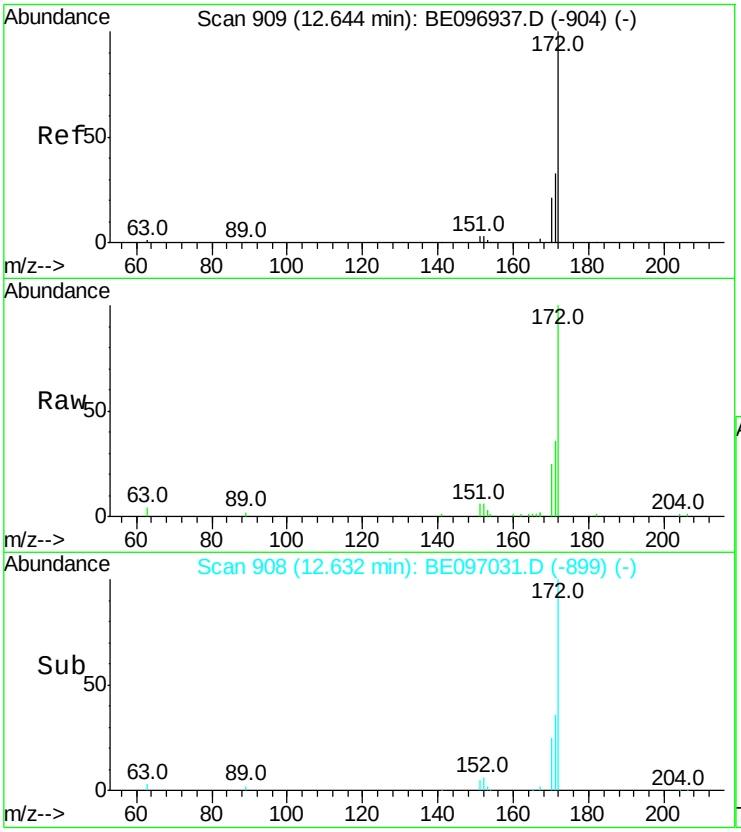


#14
2,4,6-Tribromophenol
Concen: 0.415 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:330 Resp: 358

Ion	Ratio	Lower	Upper
330	100		
332	94.4	152.7	229.1#
141	39.9	33.7	50.5



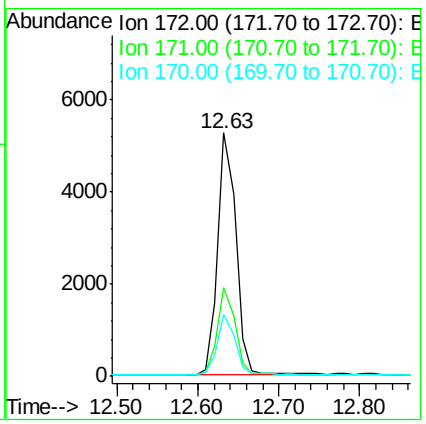


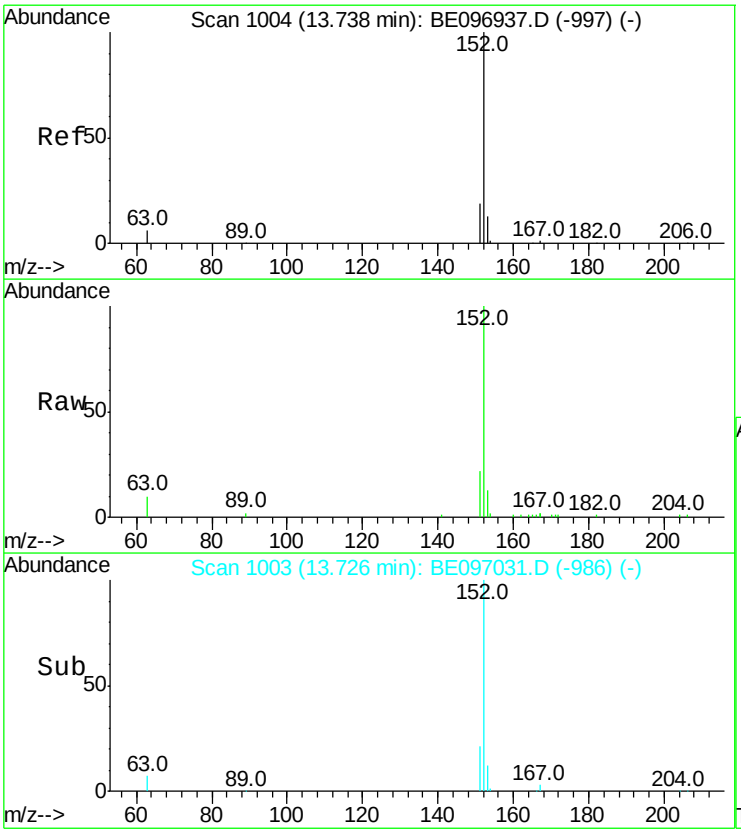
#15
2-Fluorobiphenyl
Concen: 0.554 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:172 Resp: 8121

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	25.3	21.8	32.8

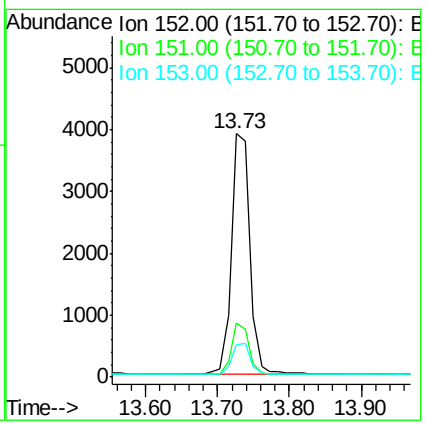


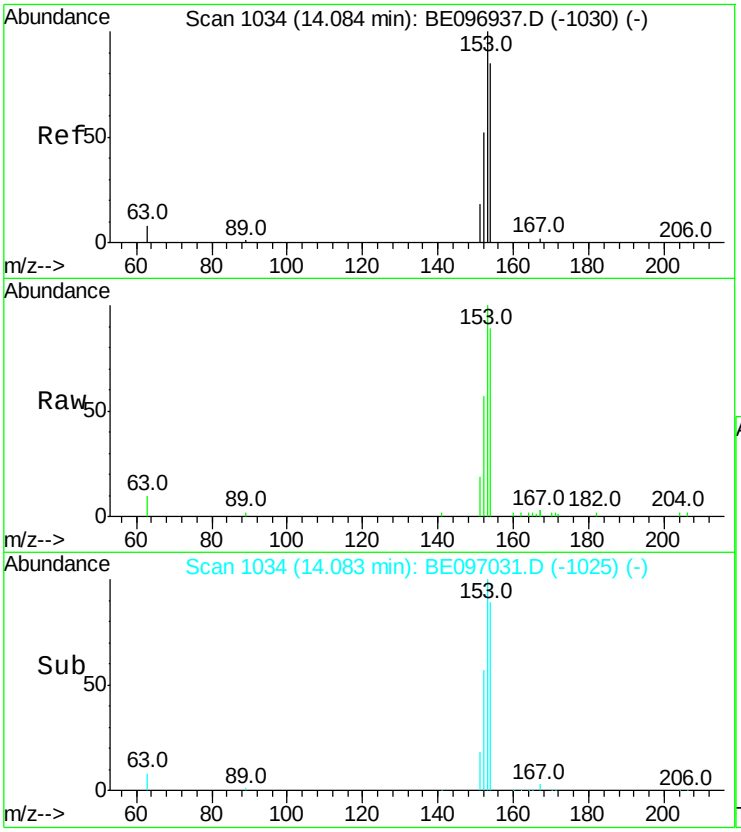


#16
Acenaphthylene
Concen: 0.382 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:152 Resp: 6868

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.5	15.7



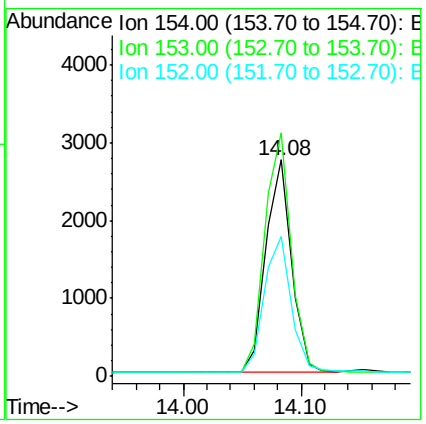


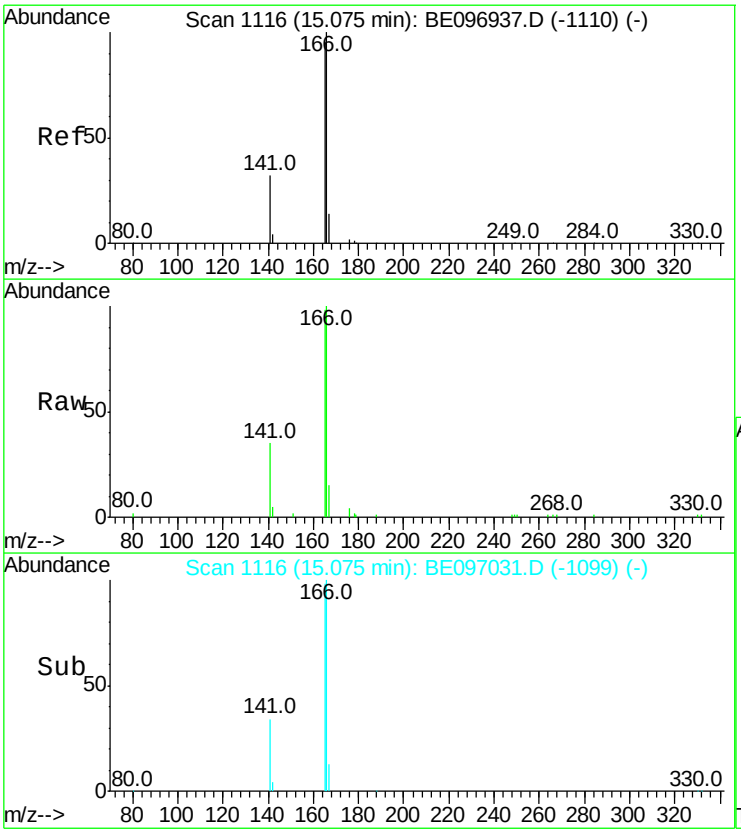
#17
Acenaphthene
Concen: 0.370 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:154 Resp: 4134

Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.2	133.8
152	67.5	42.0	63.0#

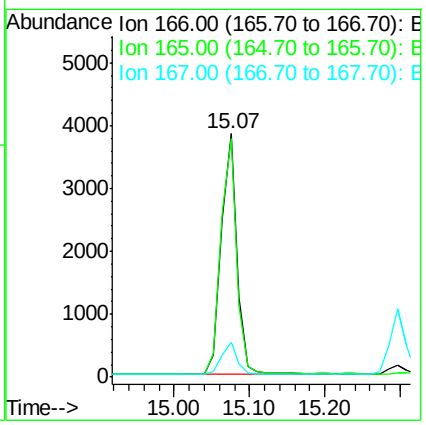


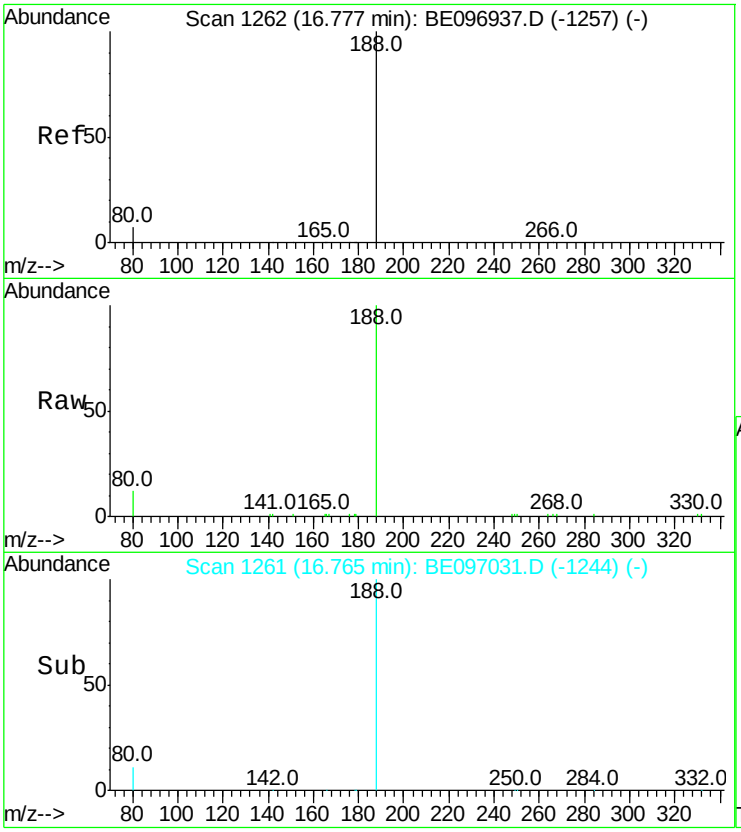


#18
Fluorene
Concen: 0.447 ng
RT: 15.07 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:166 Resp: 5615

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.6
167	13.3	42.4	63.6#



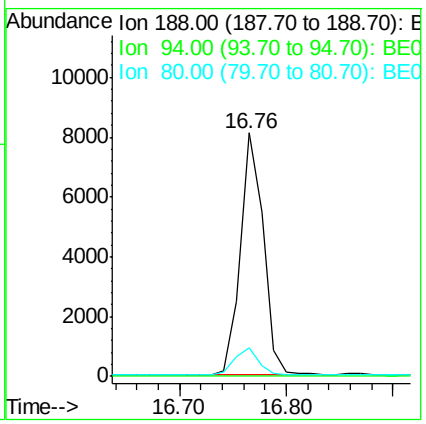


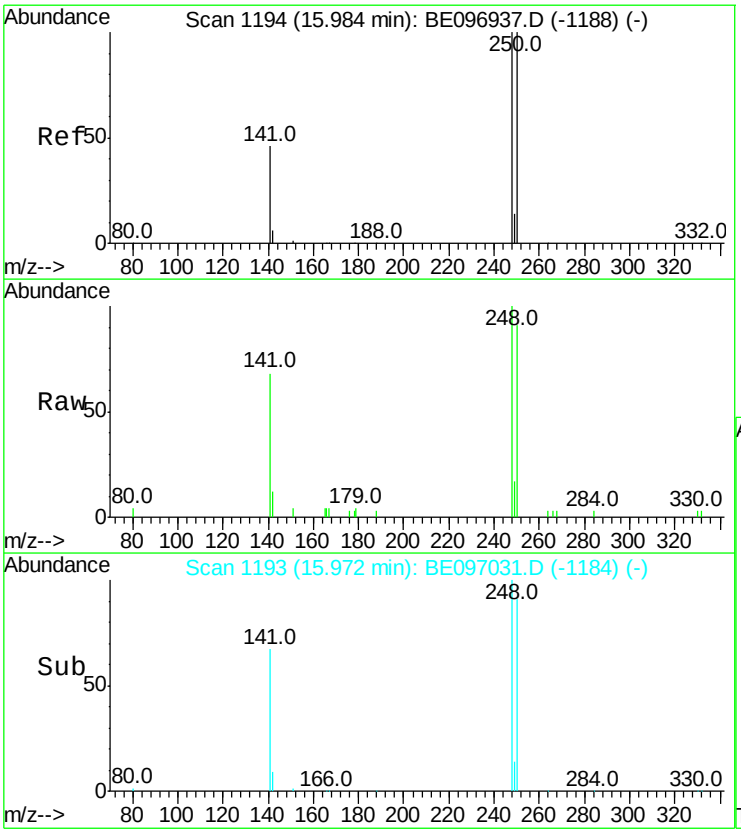
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:188 Resp: 12019

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.7	3.6	5.4#

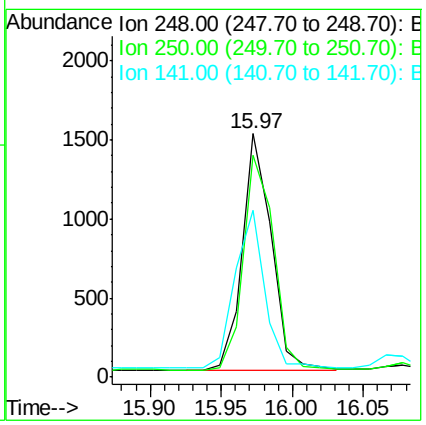


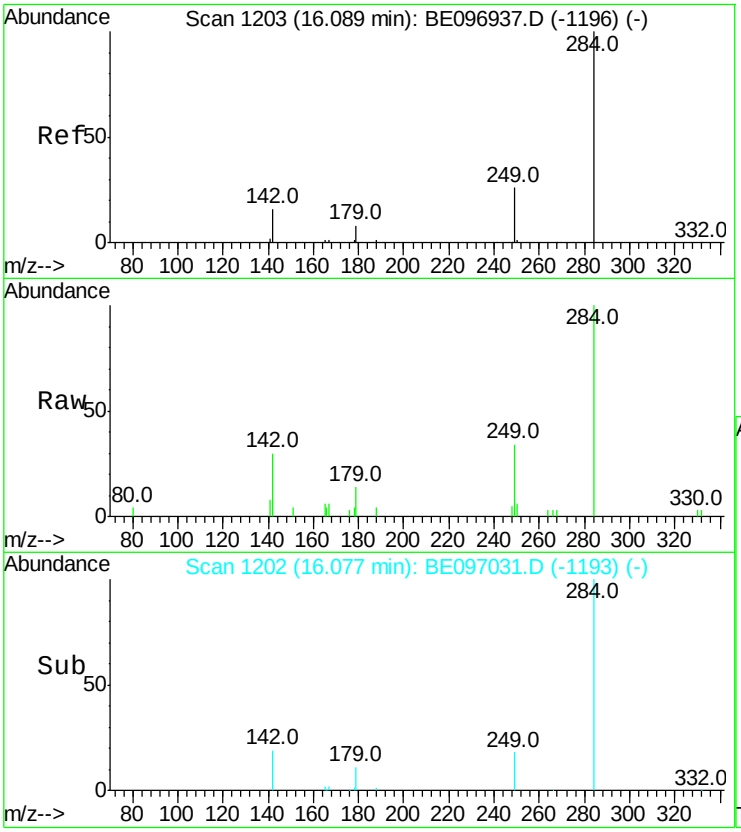


#20
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:248 Resp: 2121

Ion	Ratio	Lower	Upper
248	100		
250	91.1	62.7	94.1
141	68.4	48.2	72.2



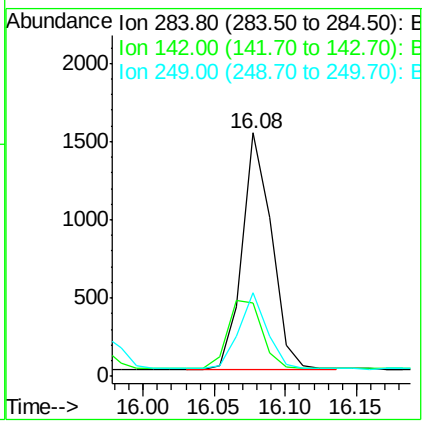


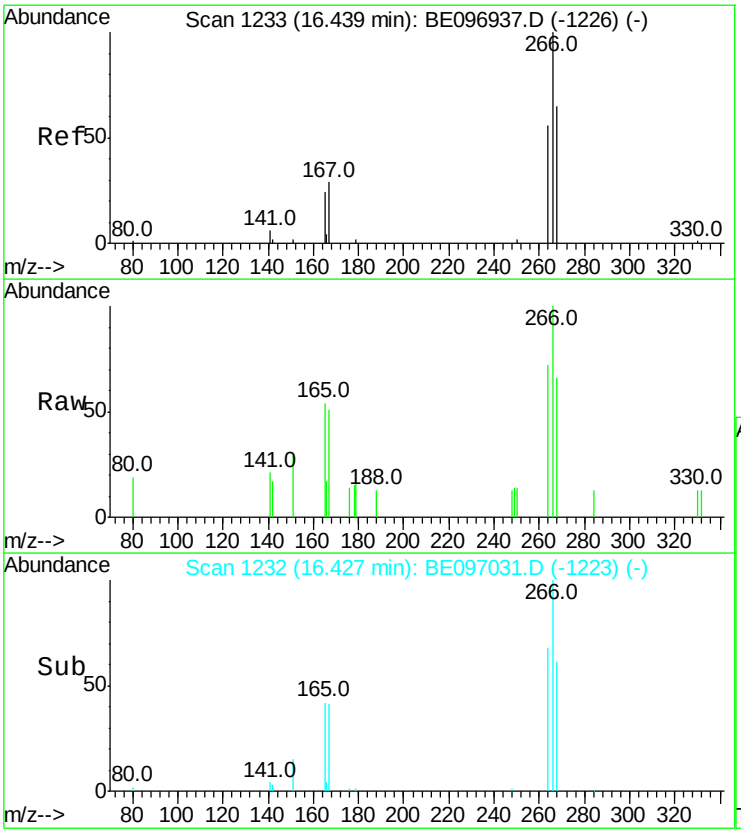
#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:284 Resp: 2163

Ion	Ratio	Lower	Upper
284	100		
142	33.4	22.1	33.1#
249	30.8	34.8	52.2#

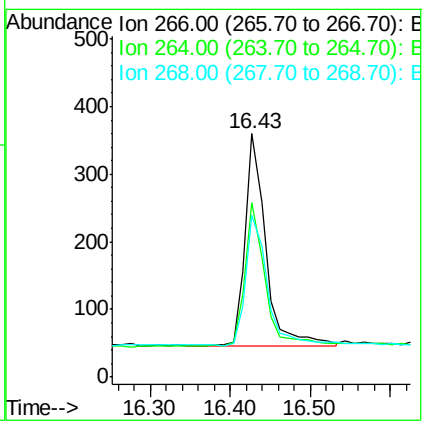


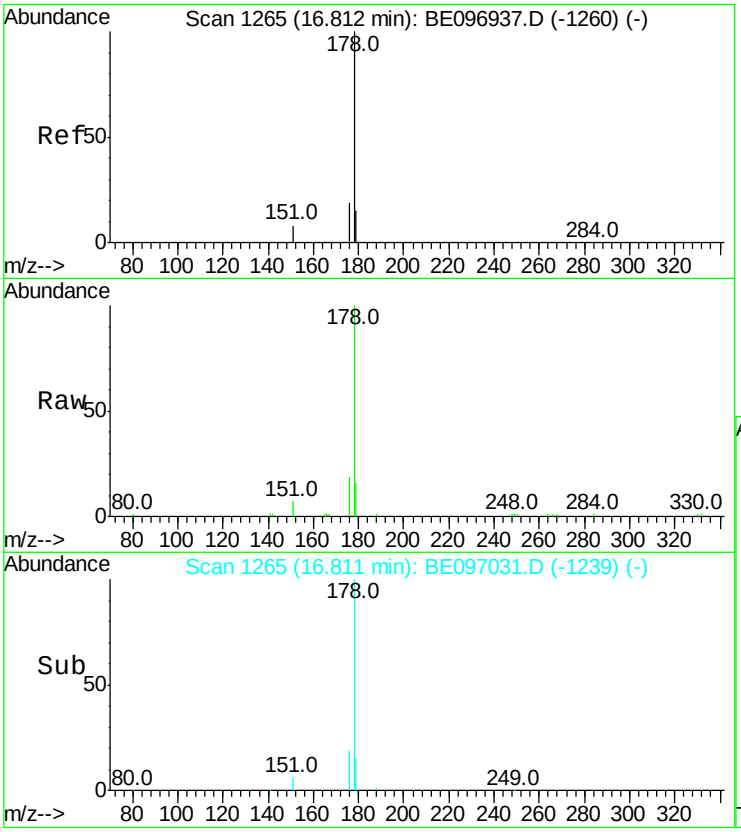


#22
Pentachlorophenol
Concen: 0.585 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:266 Resp: 571

Ion	Ratio	Lower	Upper
266	100		
264	71.7	72.5	108.7#
268	66.4	73.8	110.6#



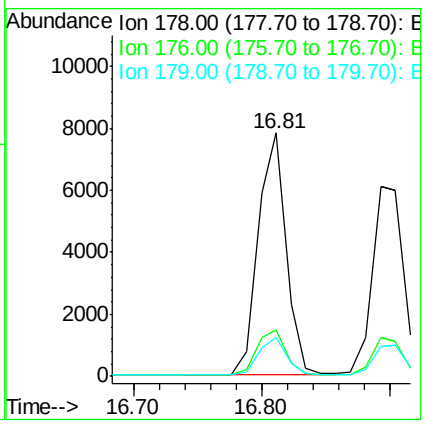


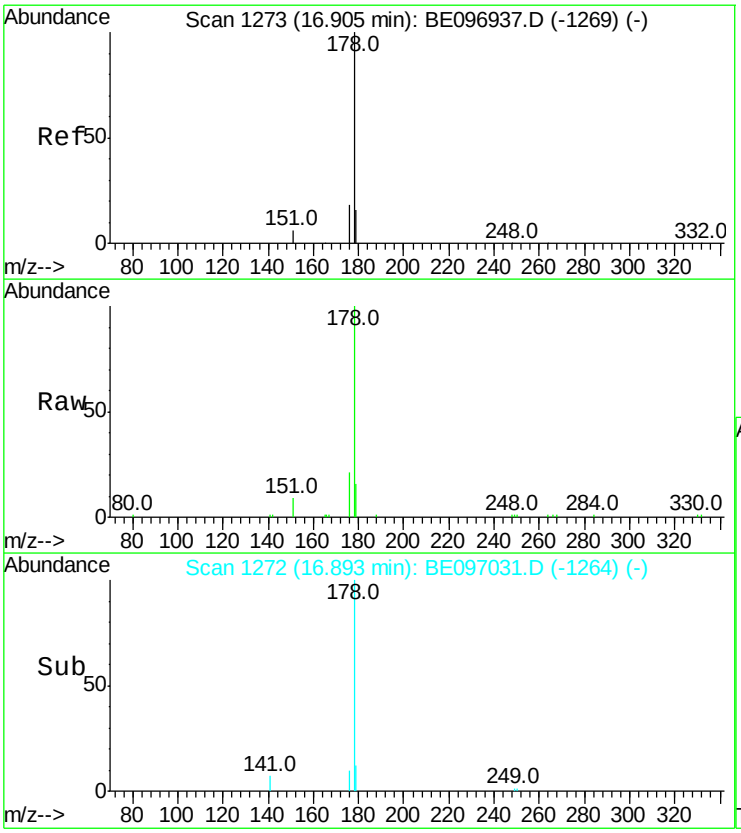
#23
Phenanthrene
Concen: 0.415 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:178 Resp: 11955

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.3	11.8	17.6

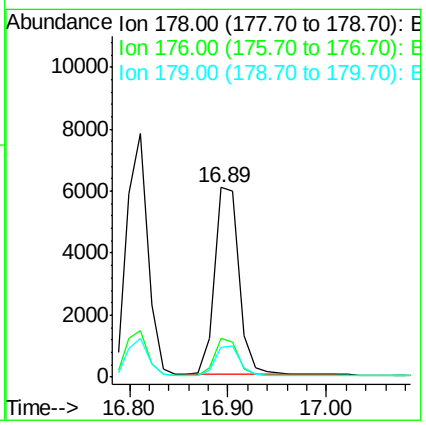


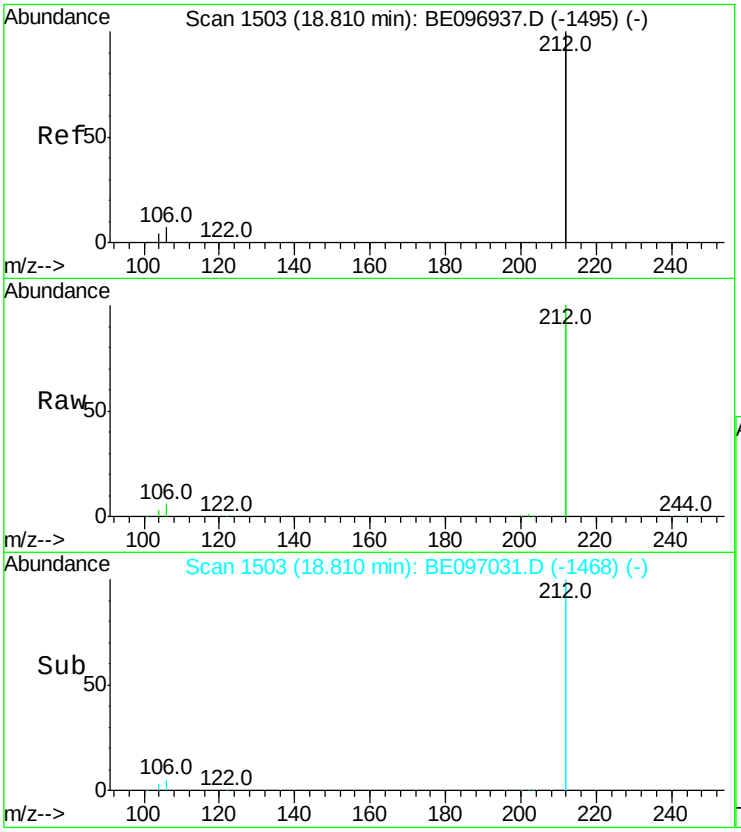


#24
Anthracene
Concen: 0.415 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:178 Resp: 10404

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.5	13.0	19.6



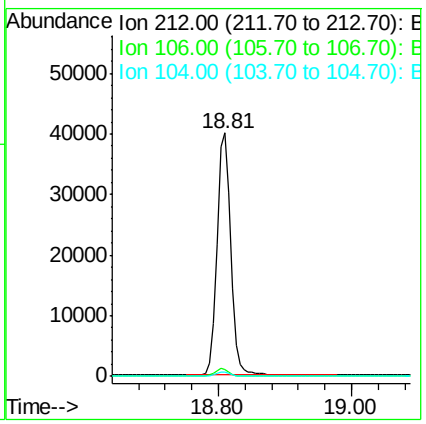


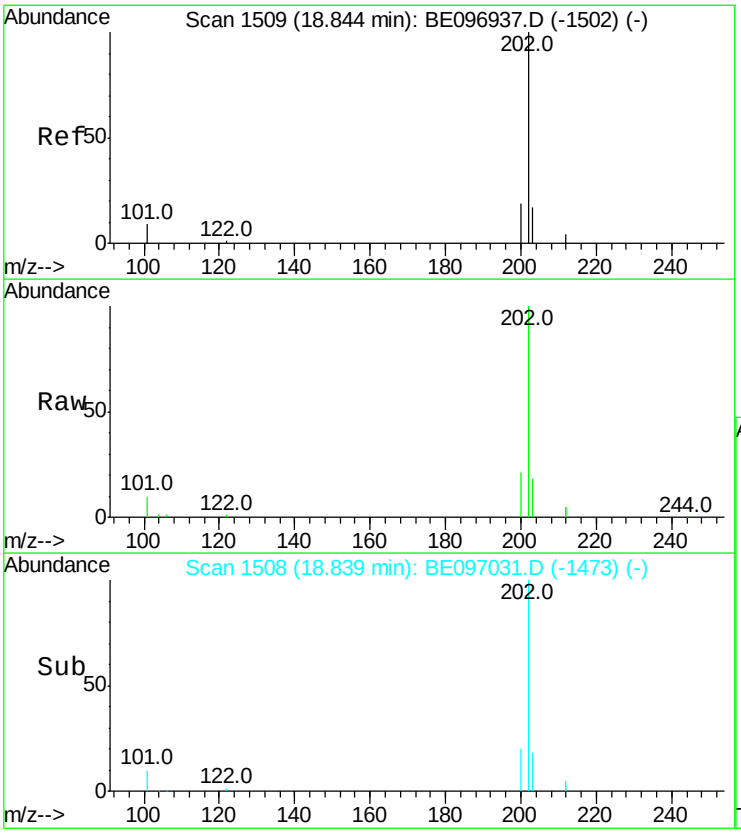
#25
Fluoranthene-d10
Concen: 0.547 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:212 Resp: 57212

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

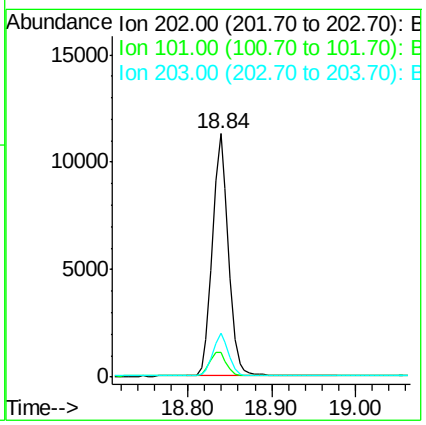


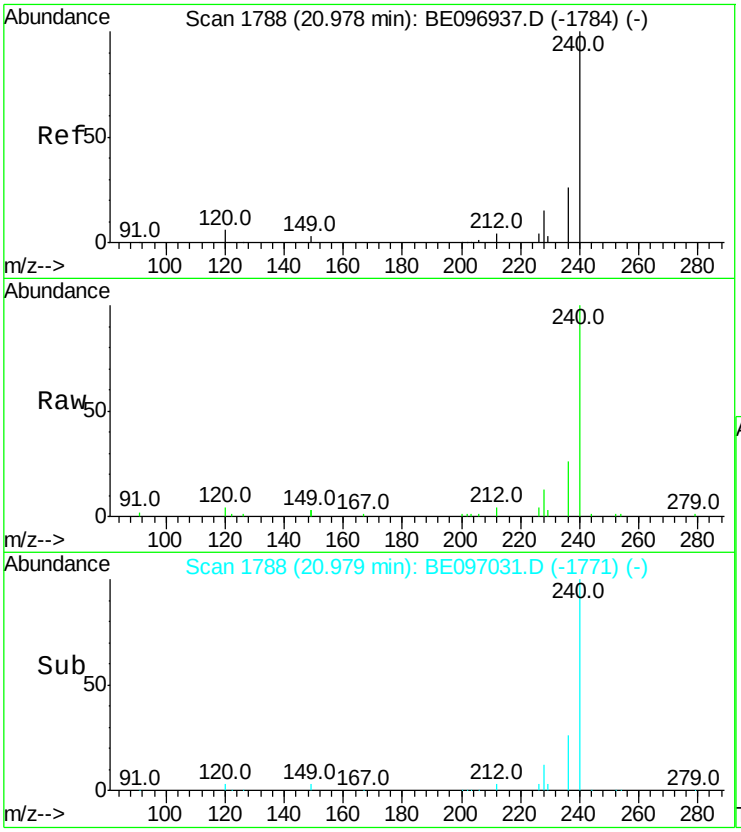


#26
Fluoranthene
Concen: 0.497 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:202 Resp: 15102

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.2	13.7	20.5



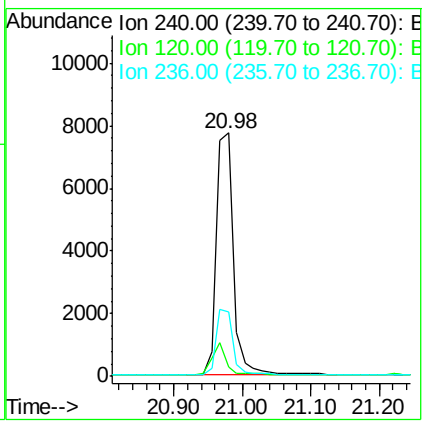


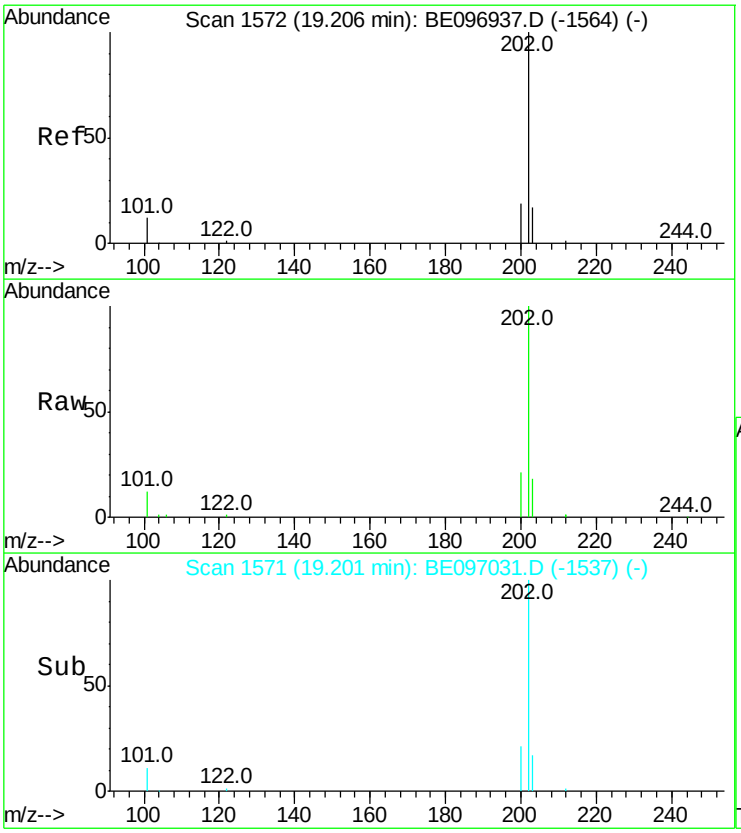
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:240 Resp: 13407

Ion	Ratio	Lower	Upper
240	100		
120	3.9	5.5	8.3#
236	26.4	20.7	31.1

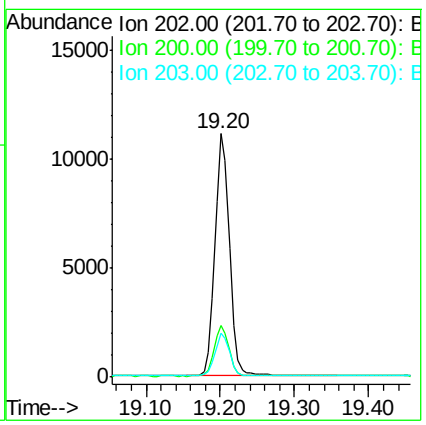


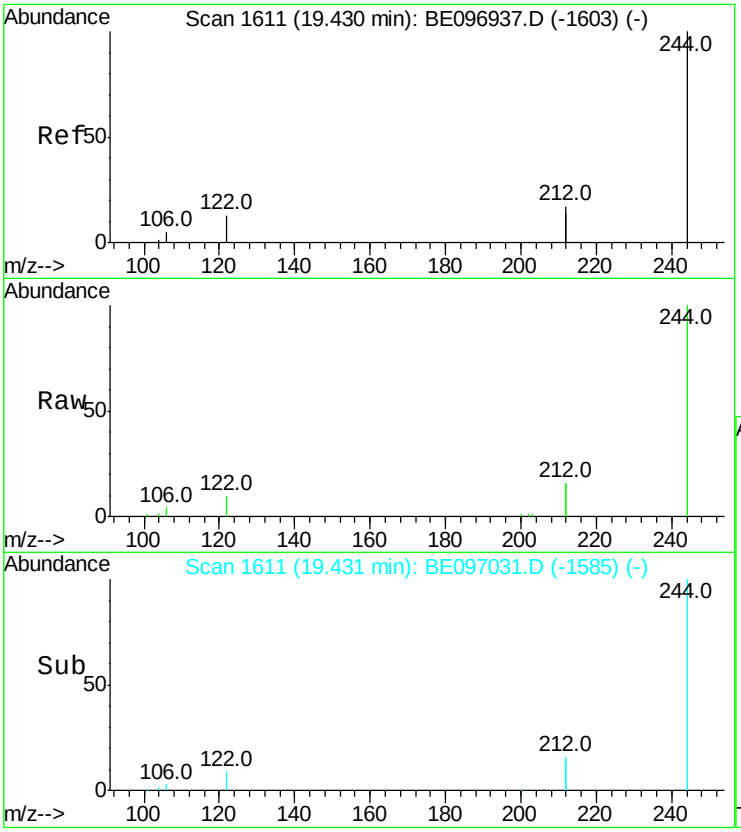


#28
Pyrene
Concen: 0.384 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:202 Resp: 15211

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.8	13.8	20.8



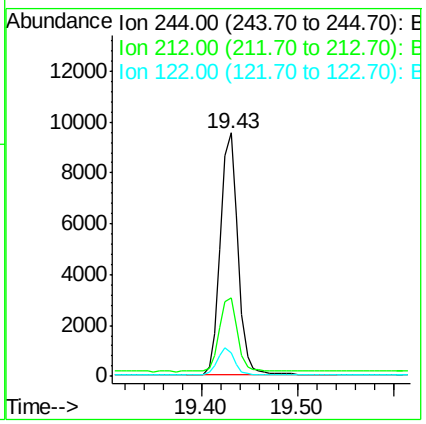


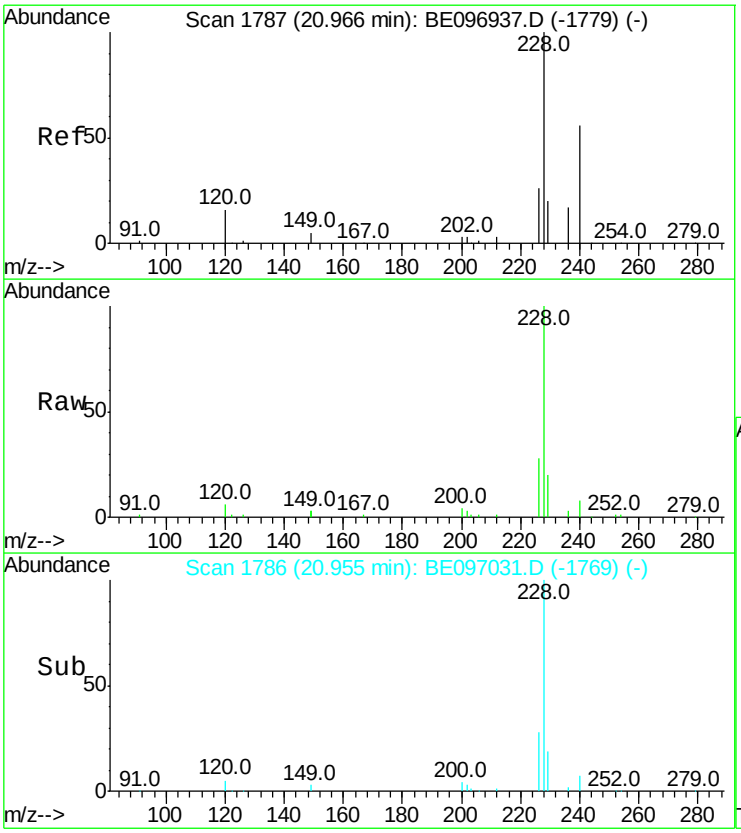
#29
Terphenyl-d14
Concen: 0.473 ng
RT: 19.43 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:244 Resp: 12243

Ion	Ratio	Lower	Upper
244	100		
212	32.0	25.4	38.0
122	9.7	8.1	12.1

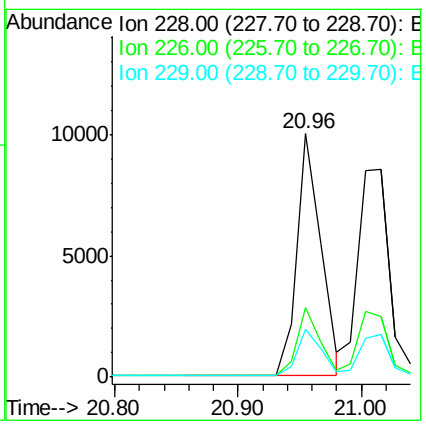


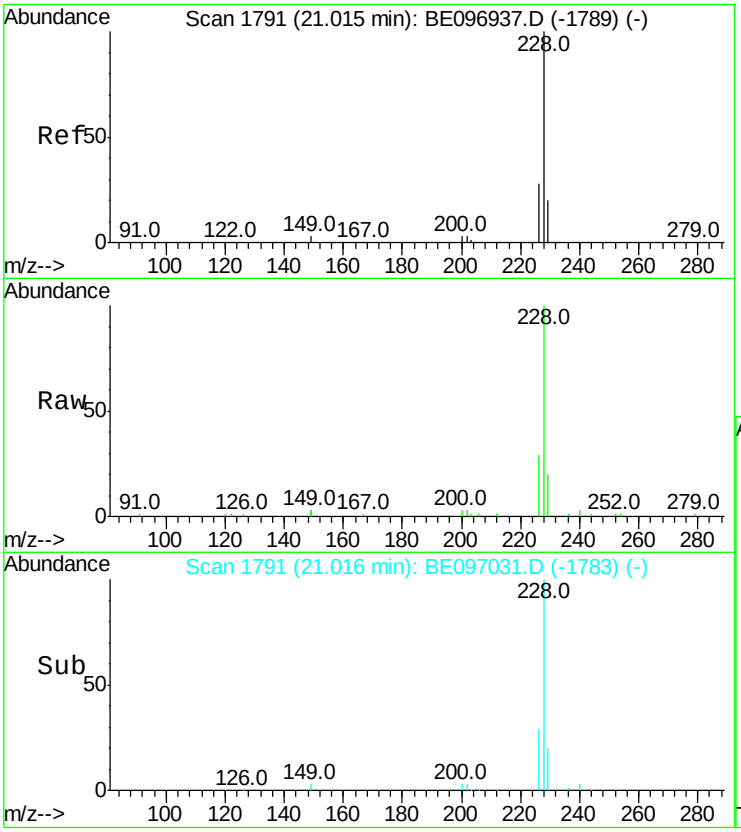


#30
Benzo(a)anthracene
Concen: 0.423 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:228 Resp: 13489

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.0	36.0
229	19.7	16.0	24.0



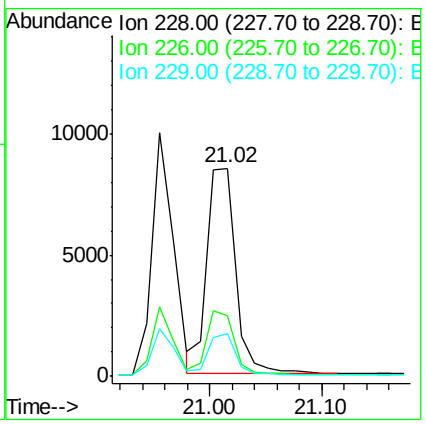


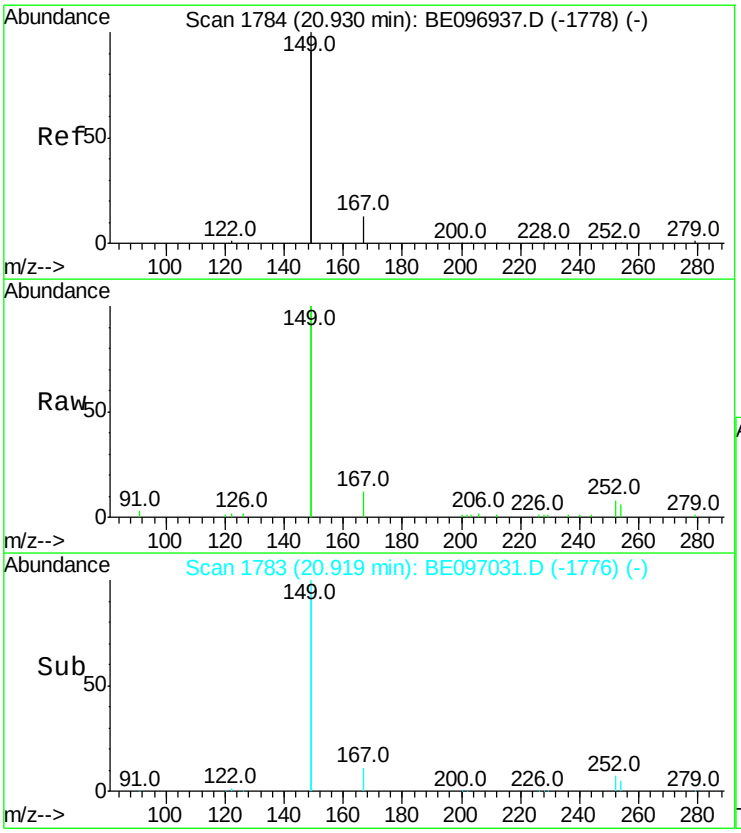
#31
Chrysene
Concen: 0.415 ng
RT: 21.02 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:228 Resp: 14868

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.4	16.0	24.0

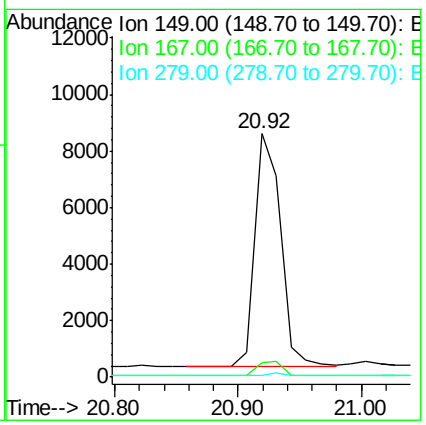


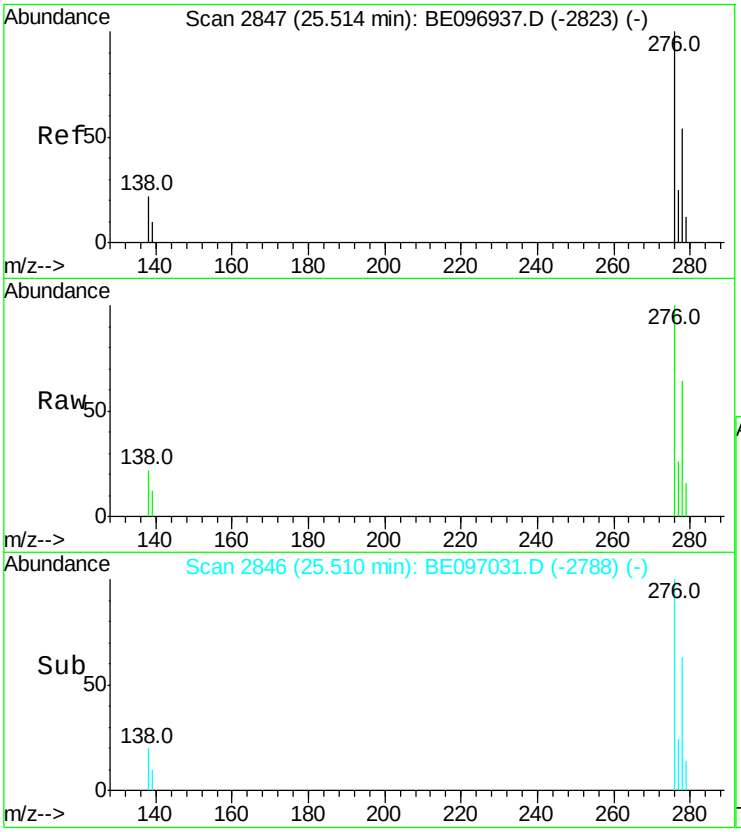


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.381 ng
RT: 20.92 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:149 Resp: 12146

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	0.9	0.7	1.1



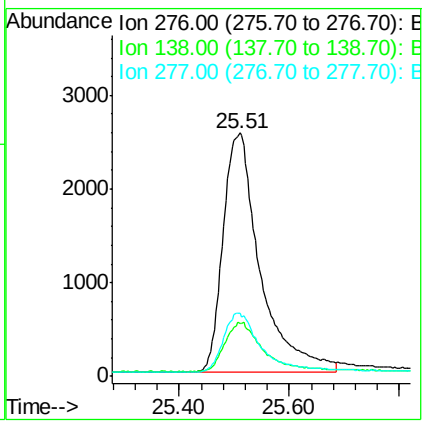


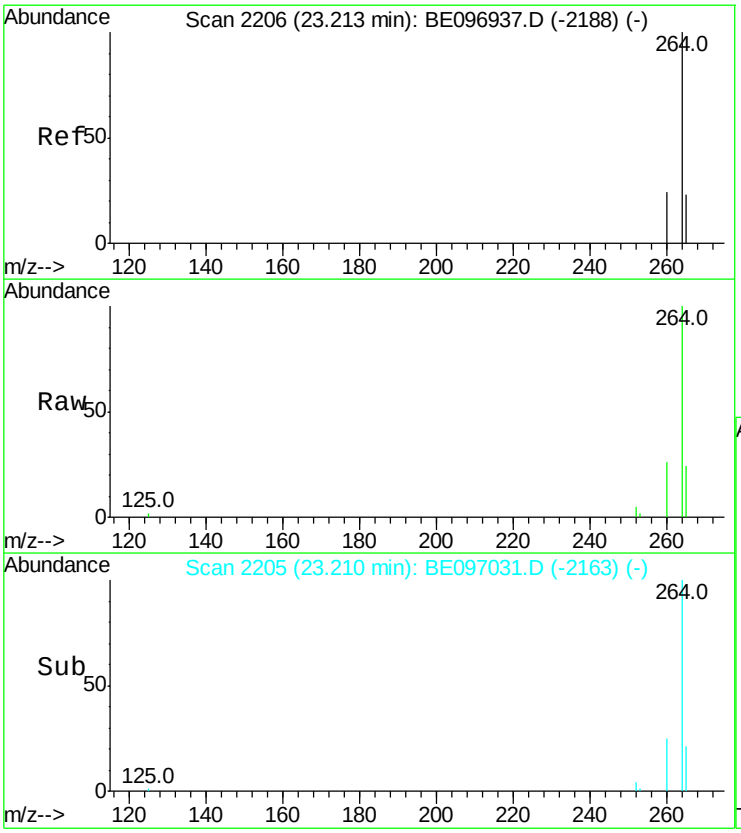
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.458 ng
RT: 25.51 min Scan# 2846
Delta R.T. 0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:276 Resp: 11945

Ion	Ratio	Lower	Upper
276	100		
138	21.1	22.5	33.7#
277	24.3	19.9	29.9

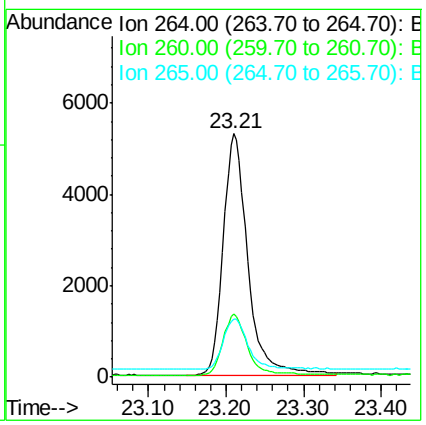


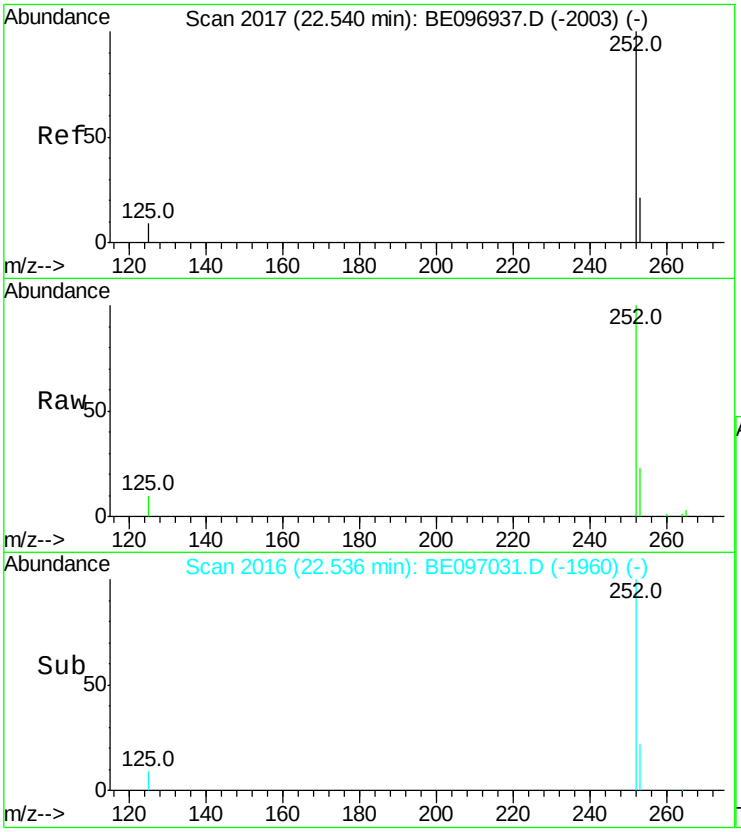


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:264 Resp: 11647

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	24.0	22.8	34.2



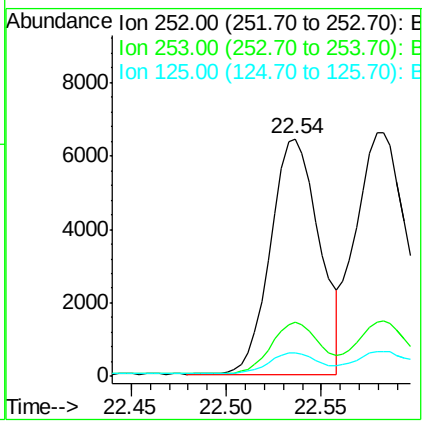


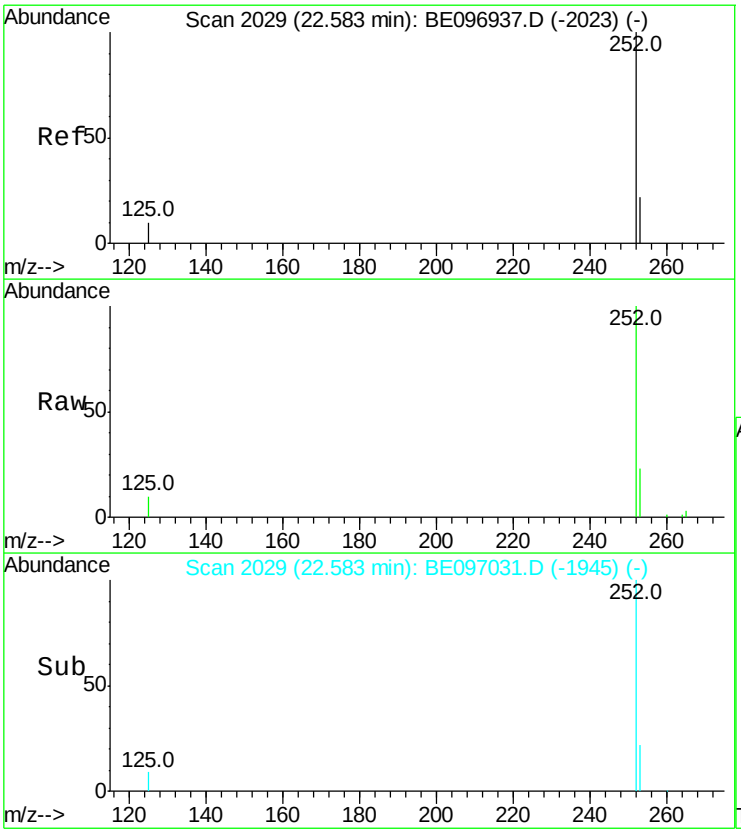
#35
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:252 Resp: 11435

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.0	30.0
125	9.7	16.0	24.0#

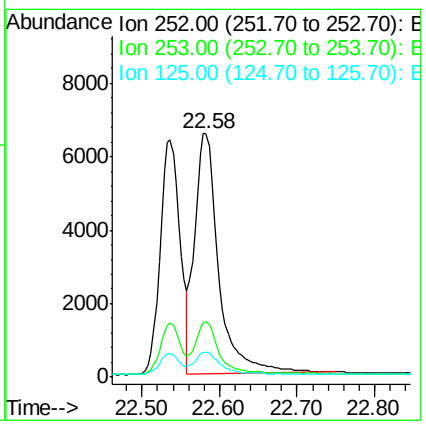


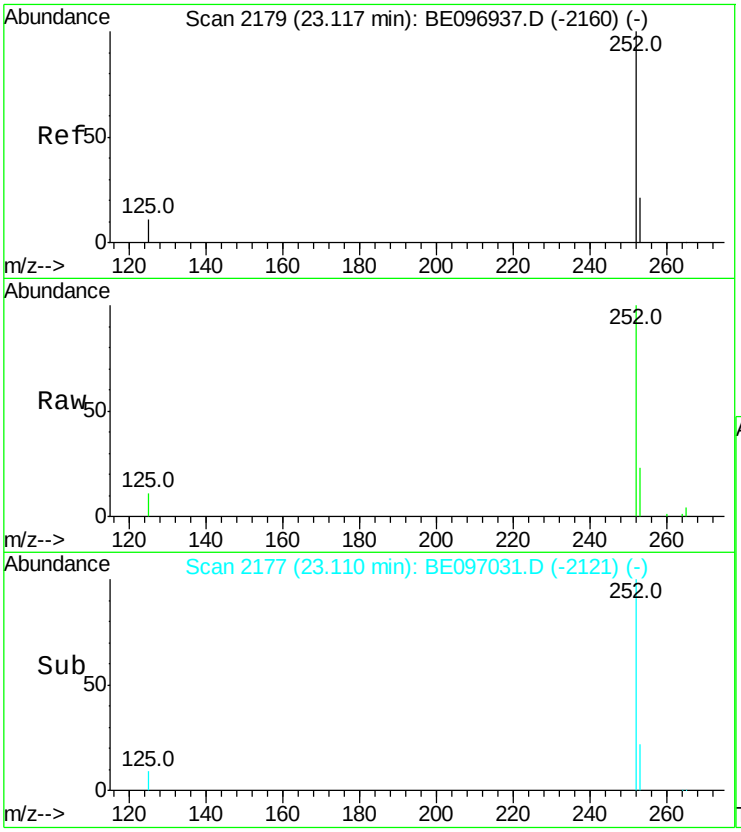


#36
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:252 Resp: 14126

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	10.2	8.0	12.0



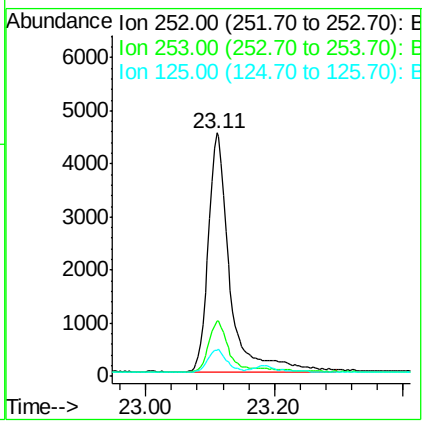


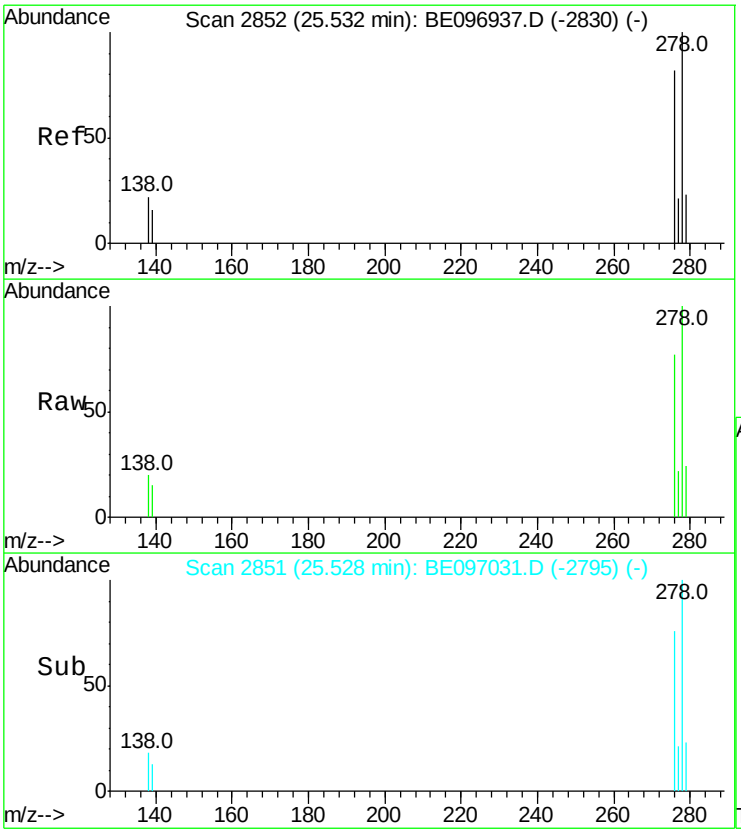
#37
Benzo(a)pyrene
Concen: 0.412 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:252 Resp: 10500

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	10.9	12.0	18.0#

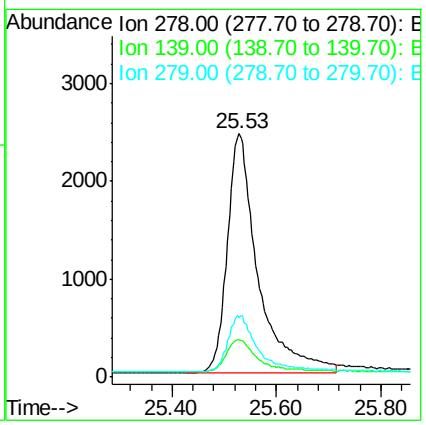


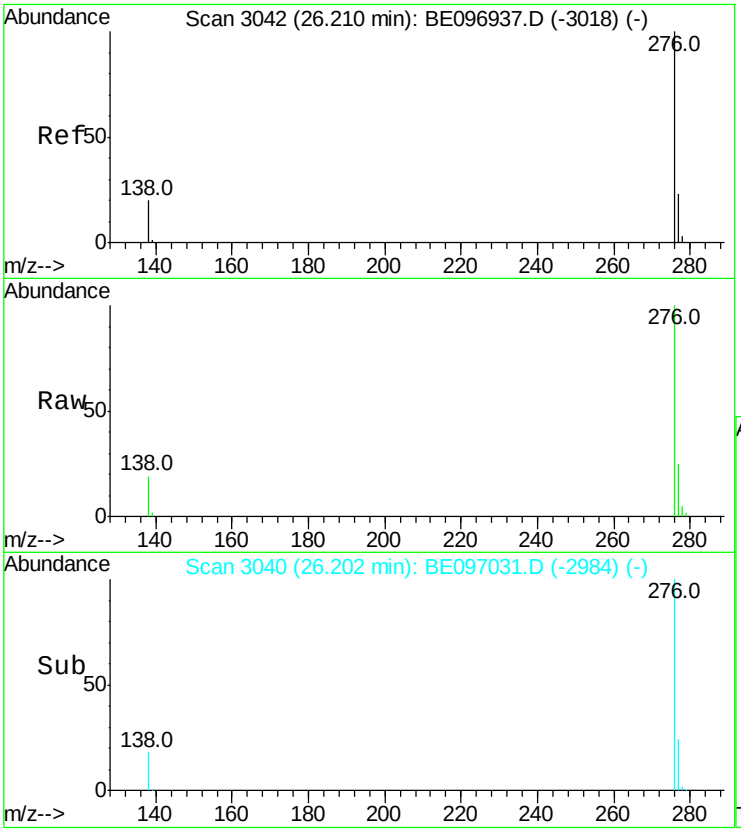


#38
Dibenzo(a,h)anthracene
Concen: 0.461 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion:278 Resp: 9972

Ion	Ratio	Lower	Upper
278	100		
139	15.3	16.0	24.0#
279	24.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.417 ng
RT: 26.20 min Scan# 3040
Delta R.T. 0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tgt Ion:276 Resp: 10090

Ion	Ratio	Lower	Upper
276	100		
277	25.3	16.0	24.0#
138	19.4	20.0	30.0#