Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
Data File : BE097001.D
Acq On : 19 Jul 2018 12:42
Operator : SJ/JU
Sample : PB111184BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB111184BS

Quant Time: Jul 19 13:31:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 17 15:02:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1654	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	6743	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3047	0.40	ng		-0.01
19) Phenanthrene-d10	16.76	188	7277	0.40	ng		-0.01
27) Chrysene-d12	20.98	240	9520	0.40	ng		0.00
34) Perylene-d12	23.21	264	8501	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1726	0.44	ng		0.01
5) Phenol-d6	6.60	99	2199	0.36	ng		0.00
8) Nitrobenzene-d5	8.53	82	2369	0.48	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4585	0.47	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	289	0.43	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5508	0.49	ng		-0.01
25) Fluoranthene-d10	18.81	212	35936	0.57	ng		0.00
29) Terphenyl-d14	19.43	244	7717	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	974	0.411	ng	#	83
3) n-Nitrosodimethylamine	3.38	42	1287	0.483	ng	#	94
6) bis(2-Chloroethyl)ether	6.84	93	2267	0.383	ng		96
9) Naphthalene	10.20	128	26933	0.446	ng		100
10) Hexachlorobutadiene	10.50	225	1186	0.486	ng		97
12) 2-Methylnaphthalene	11.81	142	4156	0.406	ng		97
16) Acenaphthylene	13.74	152	5690	0.409	ng		99
17) Acenaphthene	14.08	154	3463	0.400	ng		96
18) Fluorene	15.07	166	4200	0.432	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	1420	0.413	ng	#	77
21) Hexachlorobenzene	16.08	284	1599	0.418	ng	#	84
22) Pentachlorophenol	16.43	266	674	0.960	ng	#	74
23) Phenanthrene	16.81	178	7952	0.456	ng		98
24) Anthracene	16.90	178	6917	0.456	ng		95
26) Fluoranthene	18.84	202	9818	0.534	ng		98
28) Pyrene	19.21	202	9902	0.352	ng		99
30) Benzo(a)anthracene	20.95	228	10884	0.480	ng		98
31) Chrysene	21.01	228	11322	0.445	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	9609	0.425	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11510	0.621	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	10010	0.461	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	11102	0.430	ng		96
37) Benzo(a)pyrene	23.11	252	9070	0.469	ng	#	92
38) Dibenzo(a,h)anthracene	25.53	278	9427	0.562	ng	#	96
39) Benzo(g,h,i)perylene	26.21	276	10302	0.584	ng	#	90

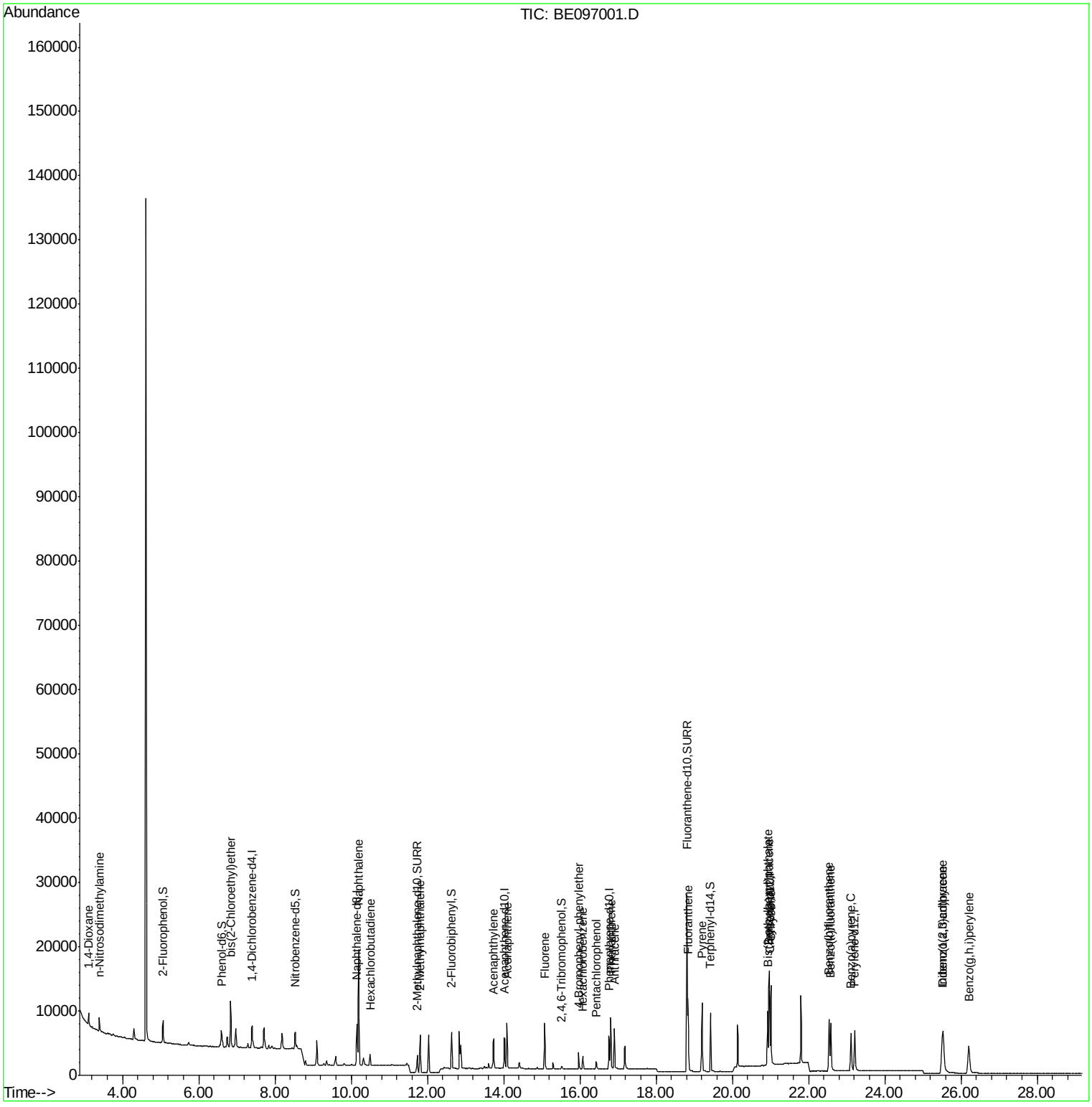
(#) = qualifier out of range (m) = manual integration (+) = signals summed

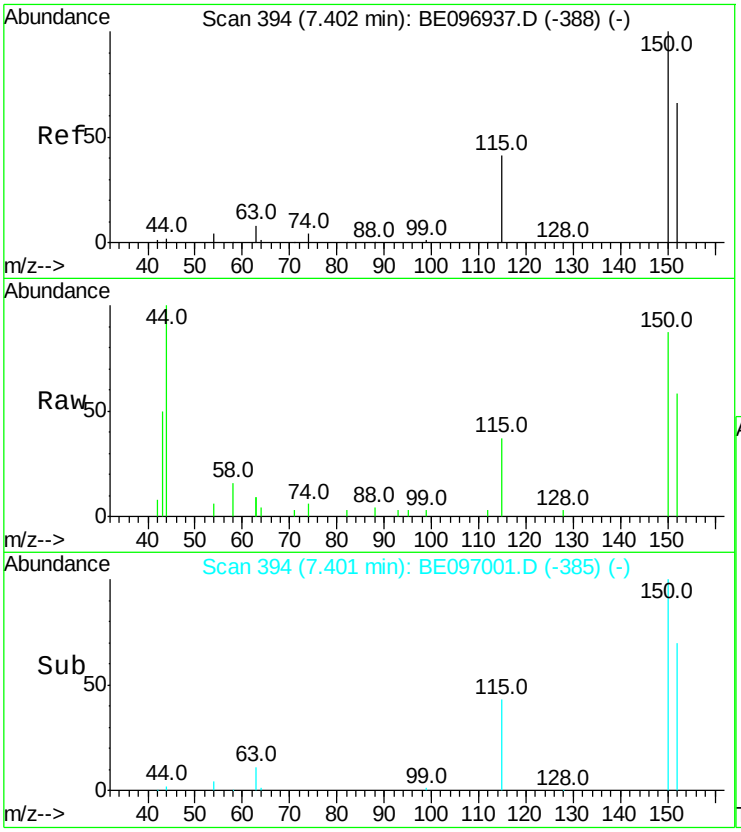
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
Data File : BE097001.D
Acq On : 19 Jul 2018 12:42
Operator : SJ/JU
Sample : PB111184BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Quant Time: Jul 19 13:31:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 17 15:02:56 2018
Response via : Initial Calibration



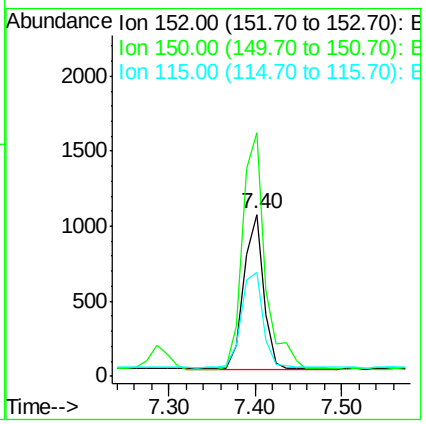


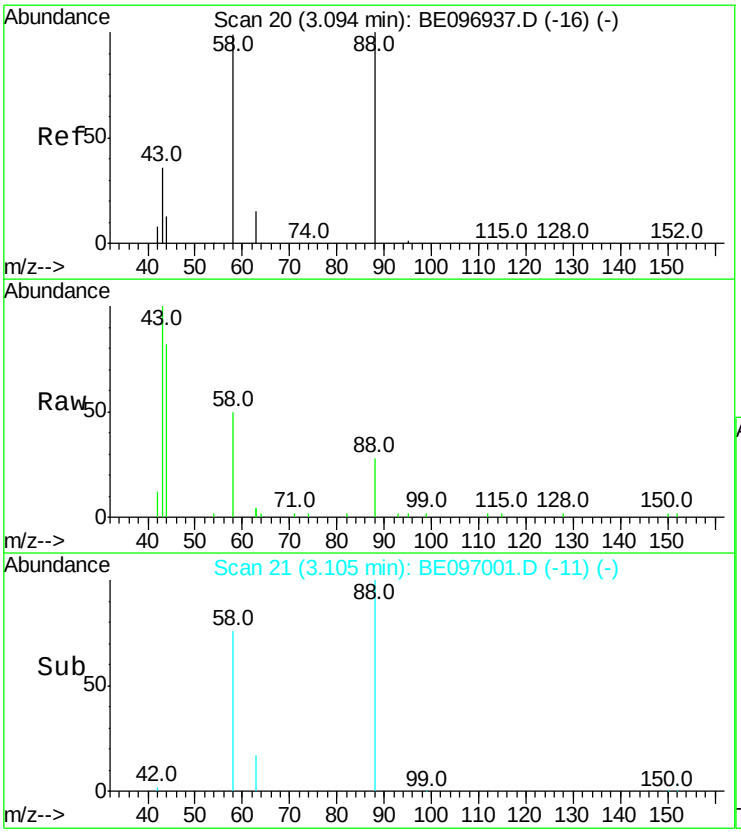
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:152 Resp: 1654

Ion	Ratio	Lower	Upper
152	100		
150	150.5	117.2	175.8
115	64.6	57.0	85.6

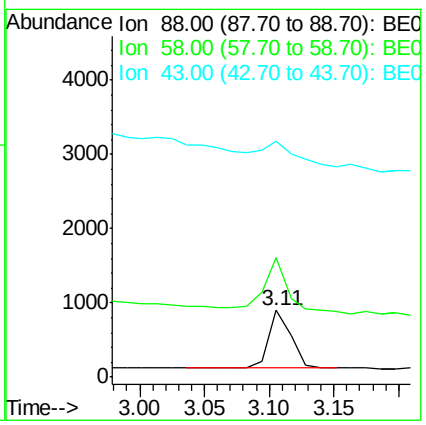


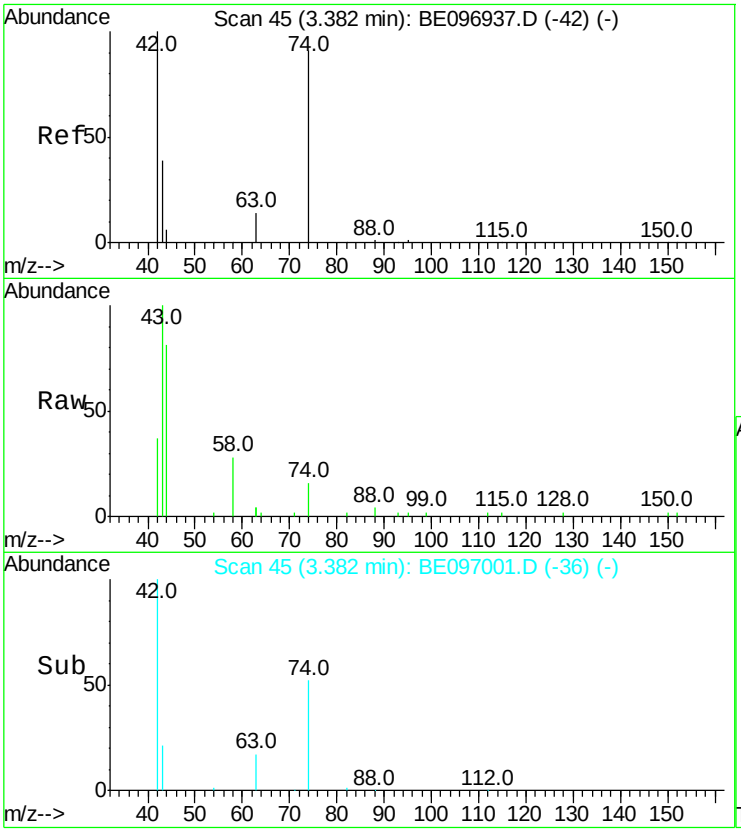


#2
1,4-Dioxane
Concen: 0.411 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion: 88 Resp: 974

Ion	Ratio	Lower	Upper
88	100		
58	96.1	63.2	94.8#
43	61.2	41.2	61.8



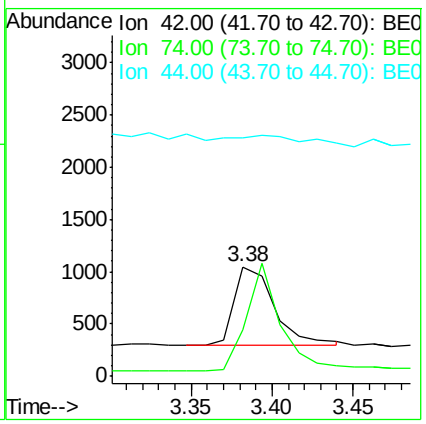


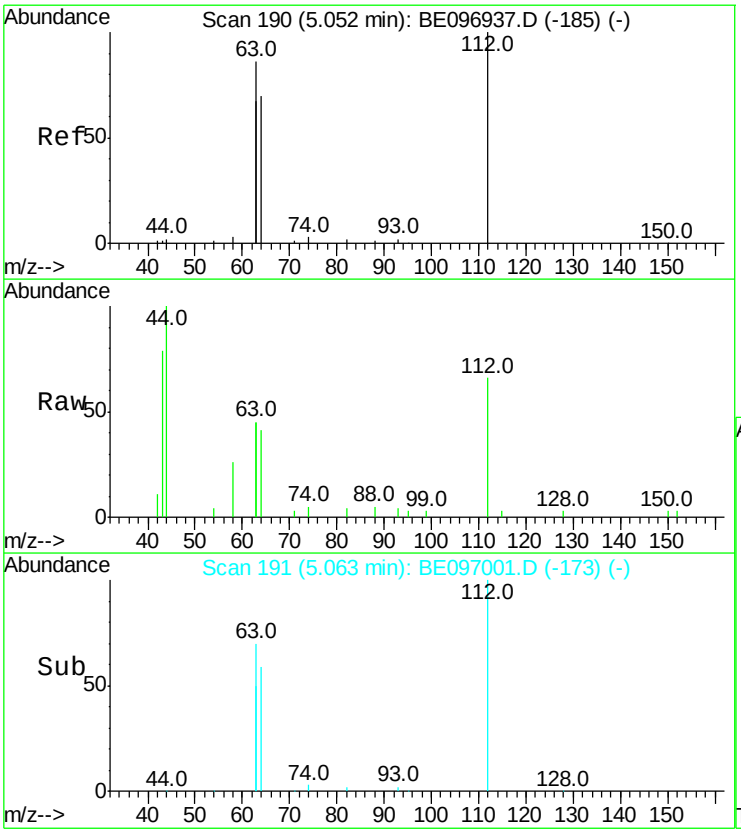
#3
n-Nitrosodimethylamine
Concen: 0.483 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion: 42 Resp: 1287

Ion	Ratio	Lower	Upper
42	100		
74	113.8	96.0	144.0
44	9.7	12.0	18.0#

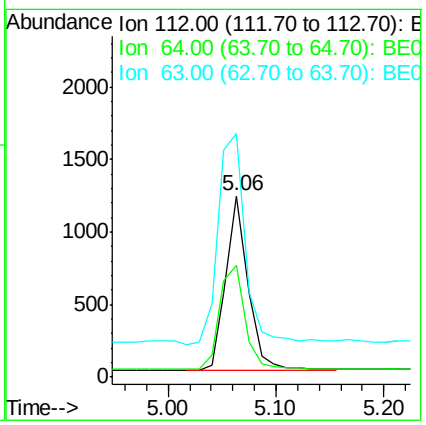


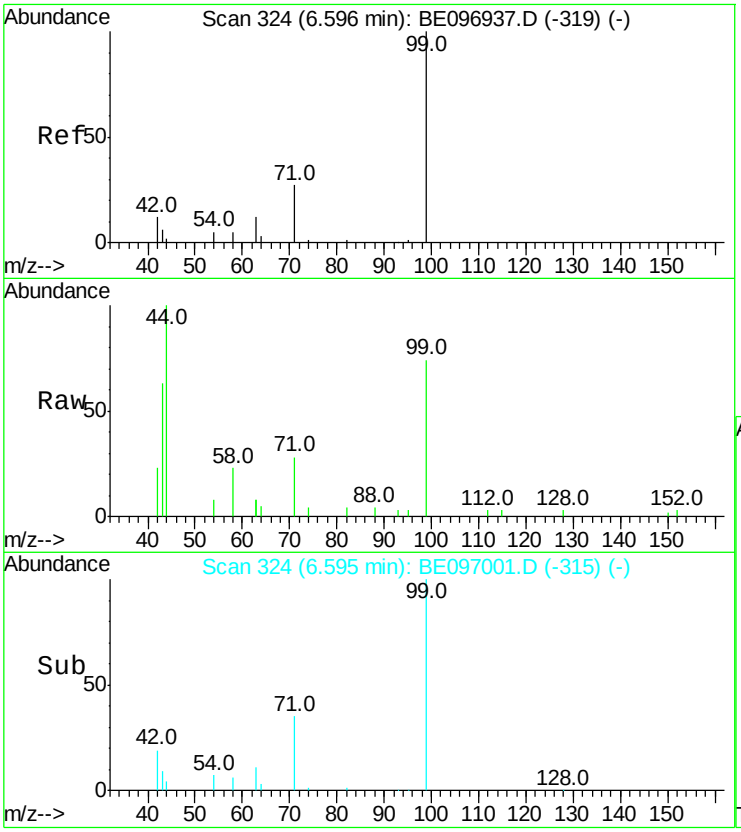


#4
2-Fluorophenol
Concen: 0.436 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:112 Resp: 1726

Ion	Ratio	Lower	Upper
112	100		
64	70.0	60.1	90.1
63	148.2	116.8	175.2



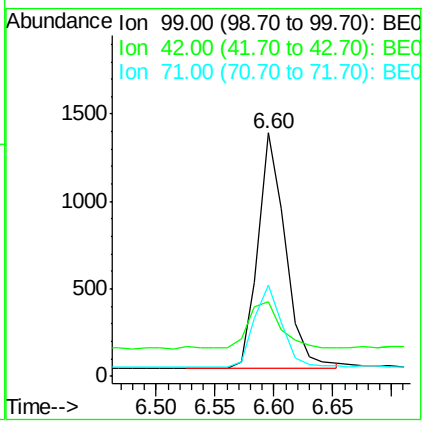


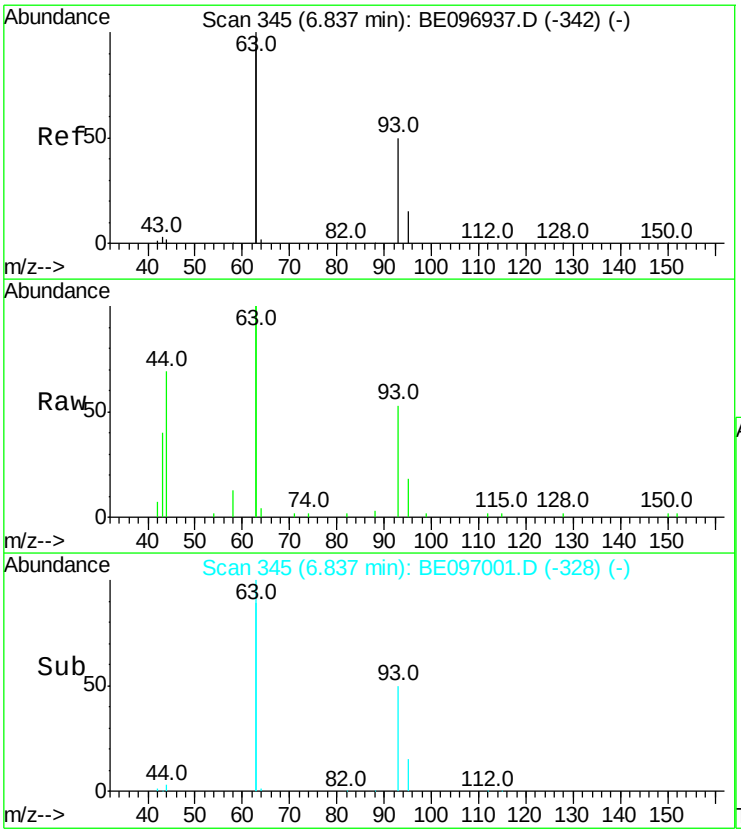
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.60 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion: 99 Resp: 2199

Ion	Ratio	Lower	Upper
99	100		
42	23.4	20.2	30.2
71	35.7	28.4	42.6

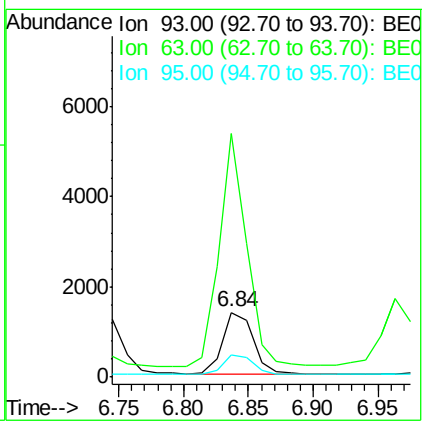


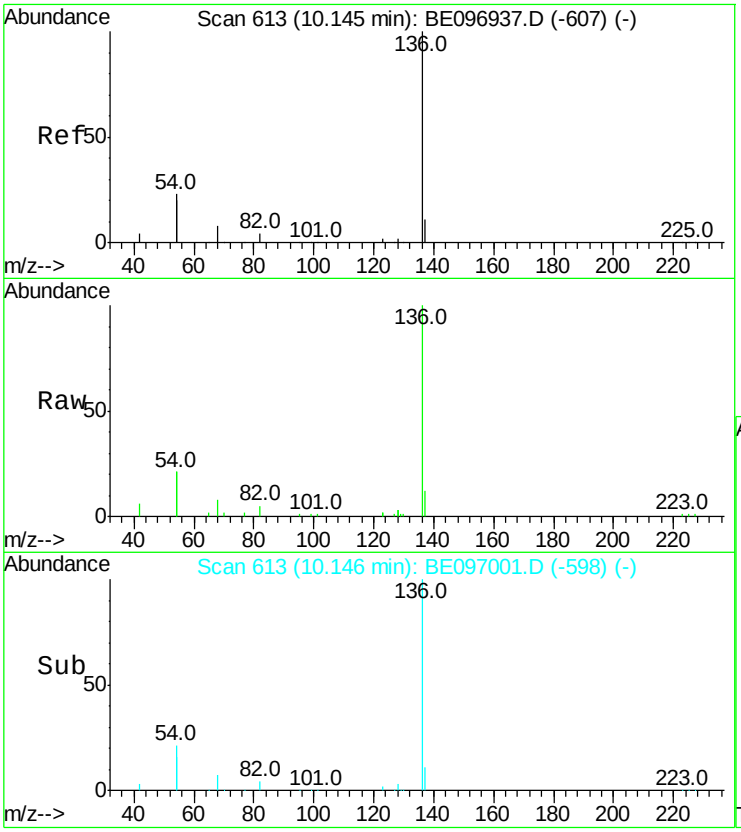


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion: 93 Resp: 2267

Ion	Ratio	Lower	Upper
93	100		
63	335.0	275.3	412.9
95	33.0	25.2	37.8



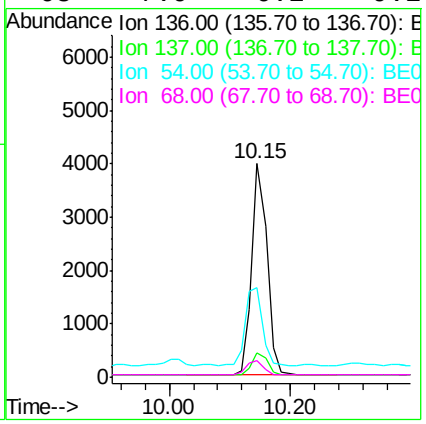


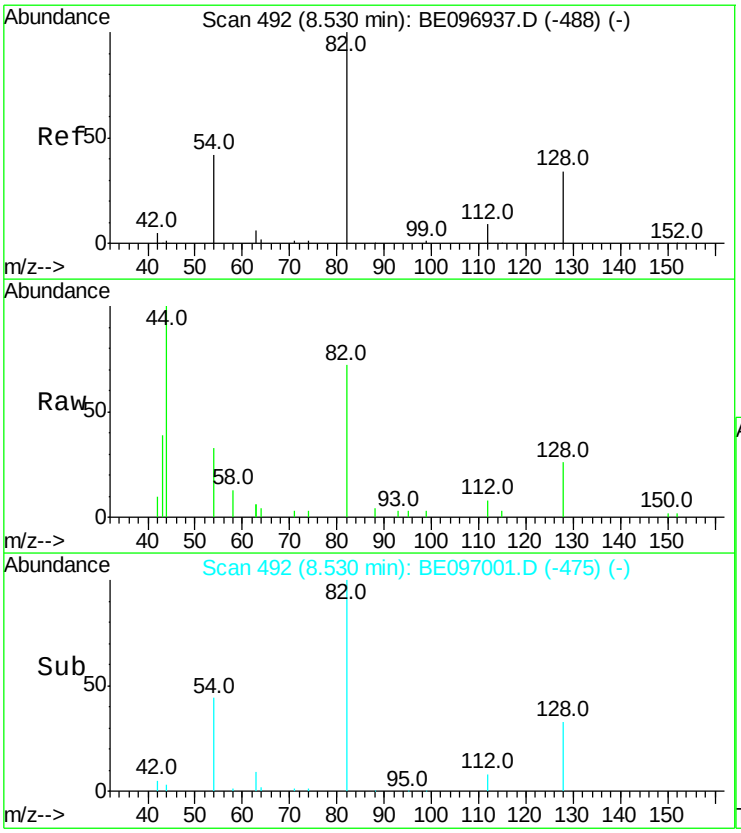
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:136 Resp: 6743

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	42.0	29.1	43.7
68	7.9	6.2	9.2

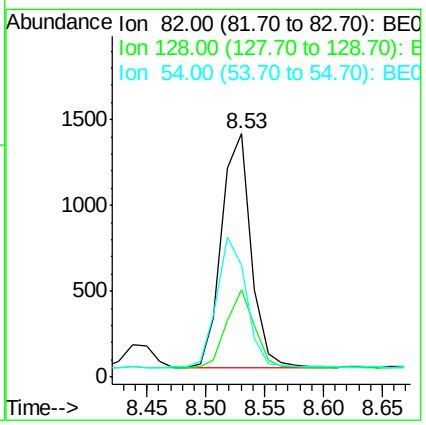


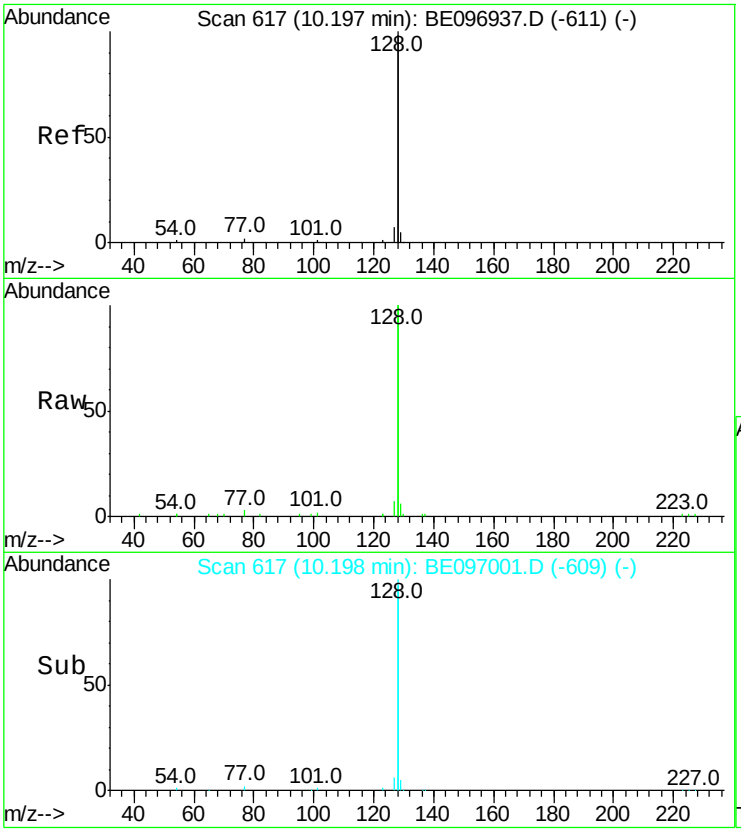


#8
Nitrobenzene-d5
Concen: 0.482 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion: 82 Resp: 2369

Ion	Ratio	Lower	Upper
82	100		
128	36.2	24.0	36.0#
54	46.0	40.0	60.0



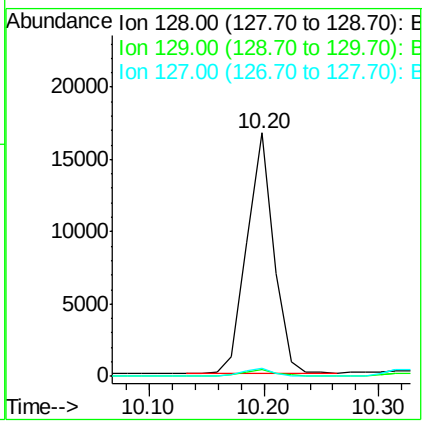


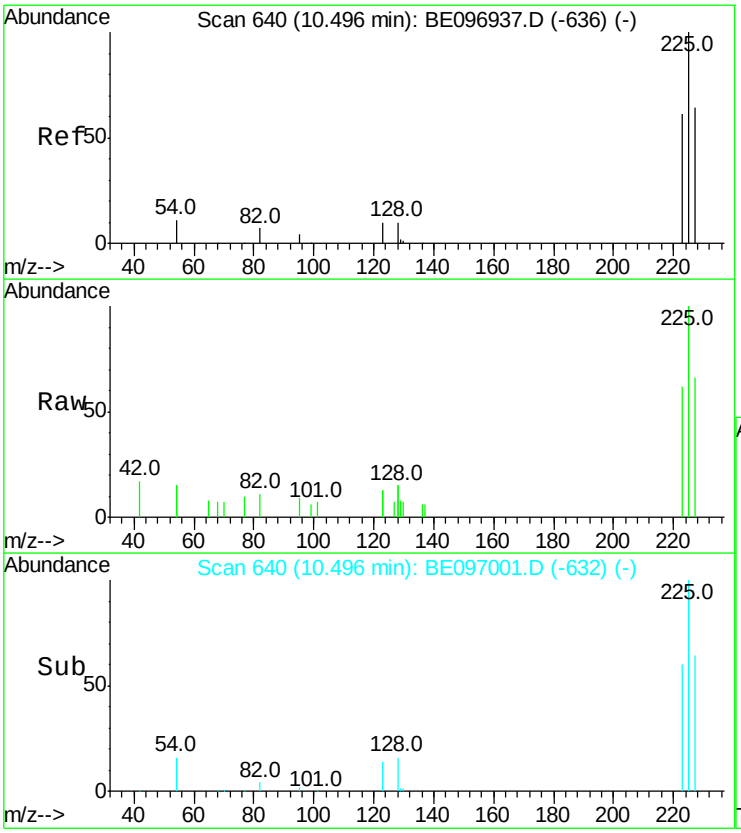
#9
Naphthalene
Concen: 0.446 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:128 Resp: 26933

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.4	2.8	4.2

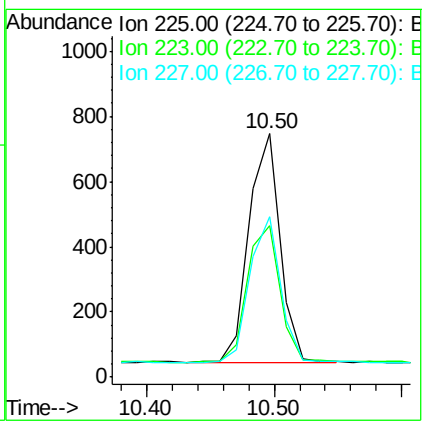


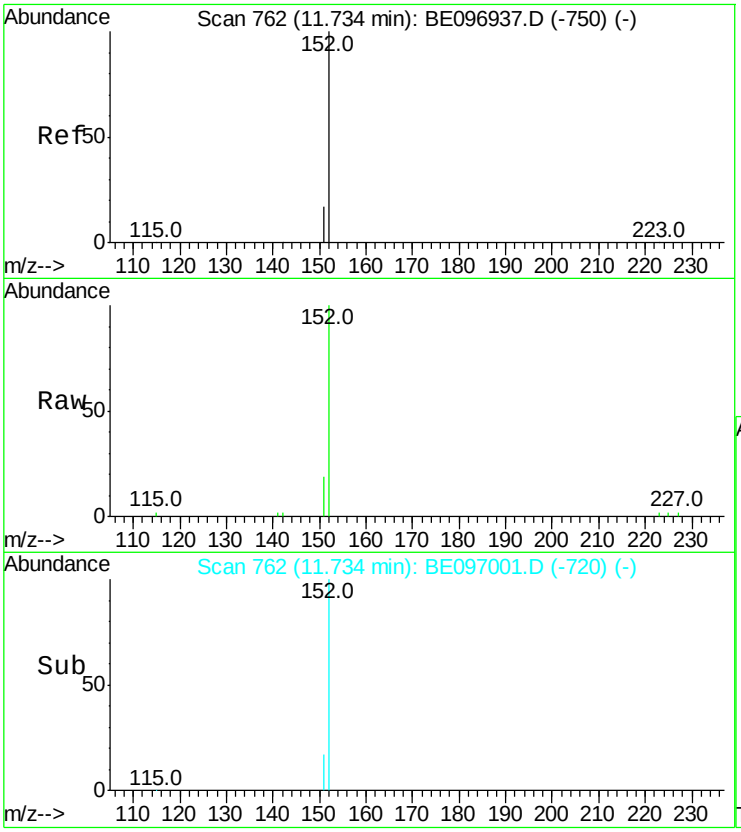


#10
Hexachlorobutadiene
Concen: 0.486 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:225 Resp: 1186

Ion	Ratio	Lower	Upper
225	100		
223	62.9	53.0	79.6
227	62.9	51.4	77.2



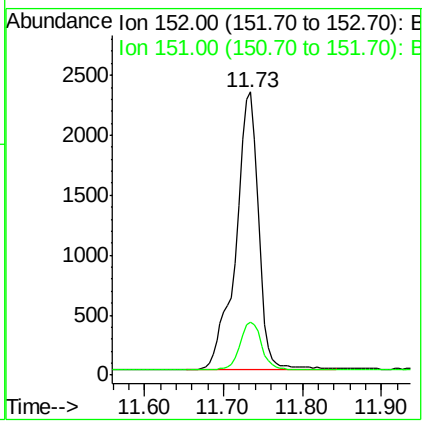


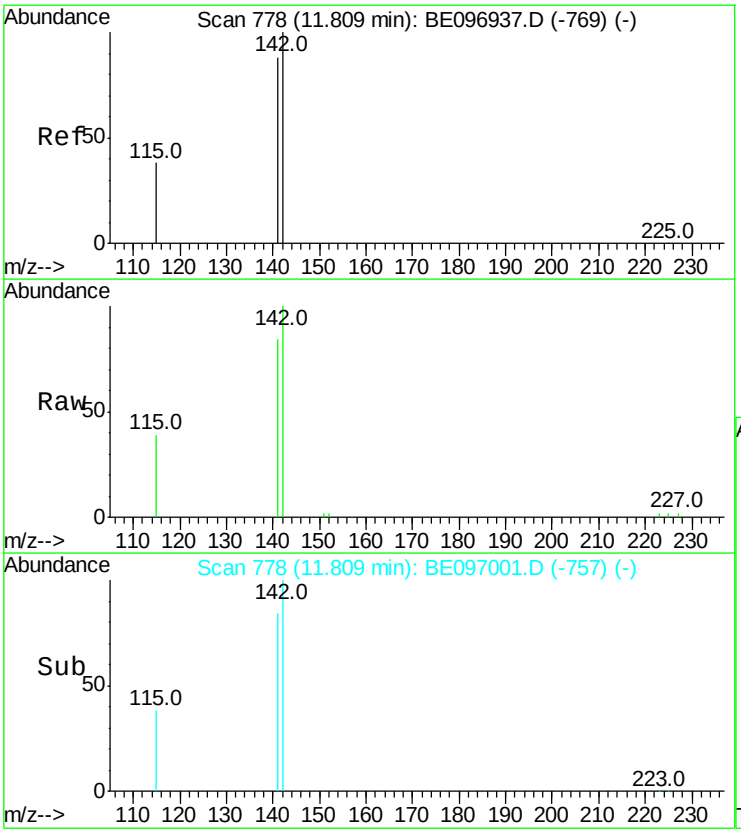
#11
2-Methylnaphthalene-d10
Concen: 0.467 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:152 Resp: 4585

Ion	Ratio	Lower	Upper
152	100		
151	16.1	15.4	23.0

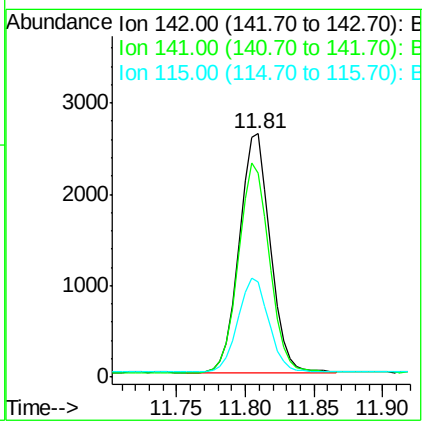


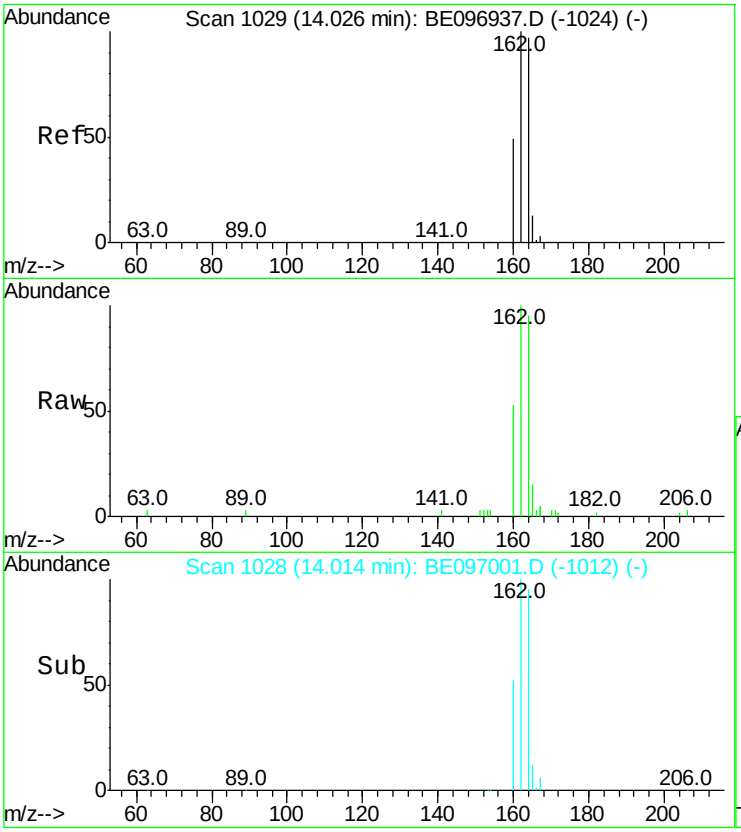


#12
2-Methylnaphthalene
Concen: 0.406 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:142 Resp: 4156

Ion	Ratio	Lower	Upper
142	100		
141	84.0	70.4	105.6
115	39.2	31.7	47.5



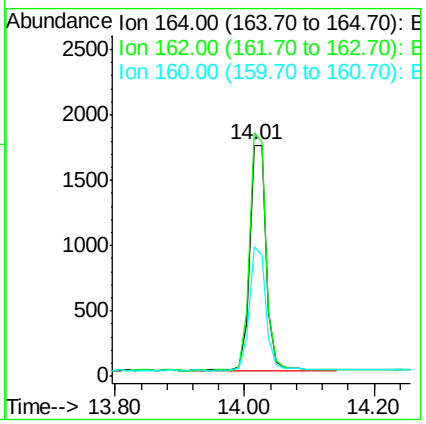


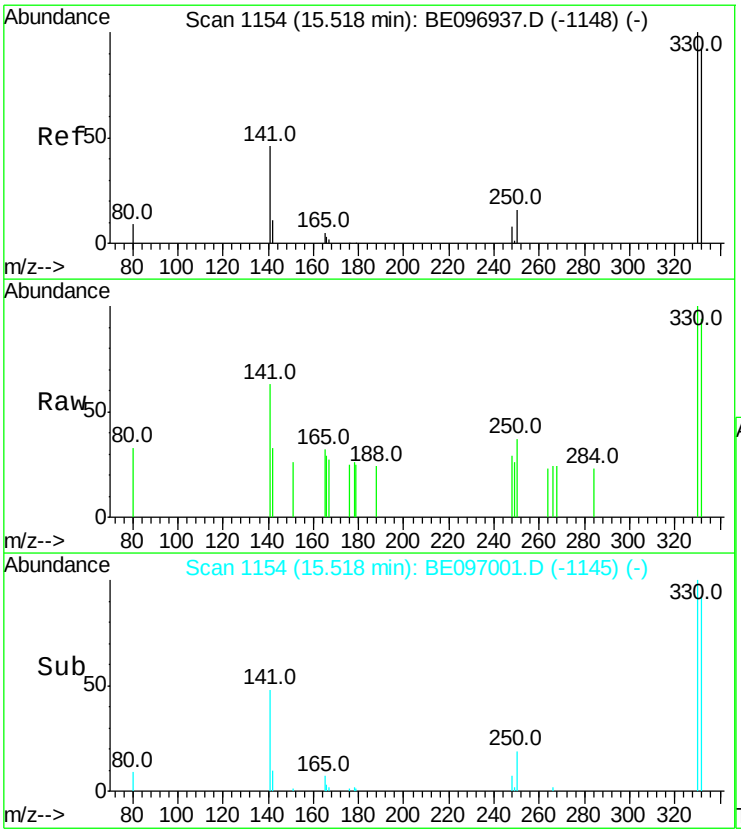
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:164 Resp: 3047

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.1	124.7
160	56.3	37.1	55.7#

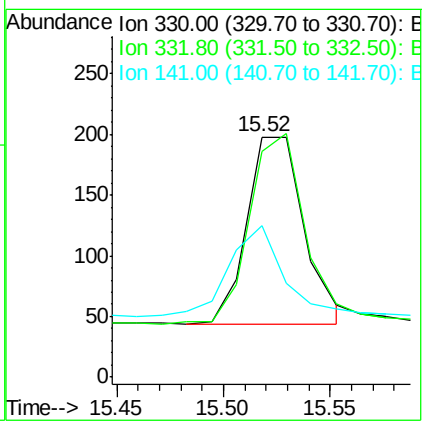


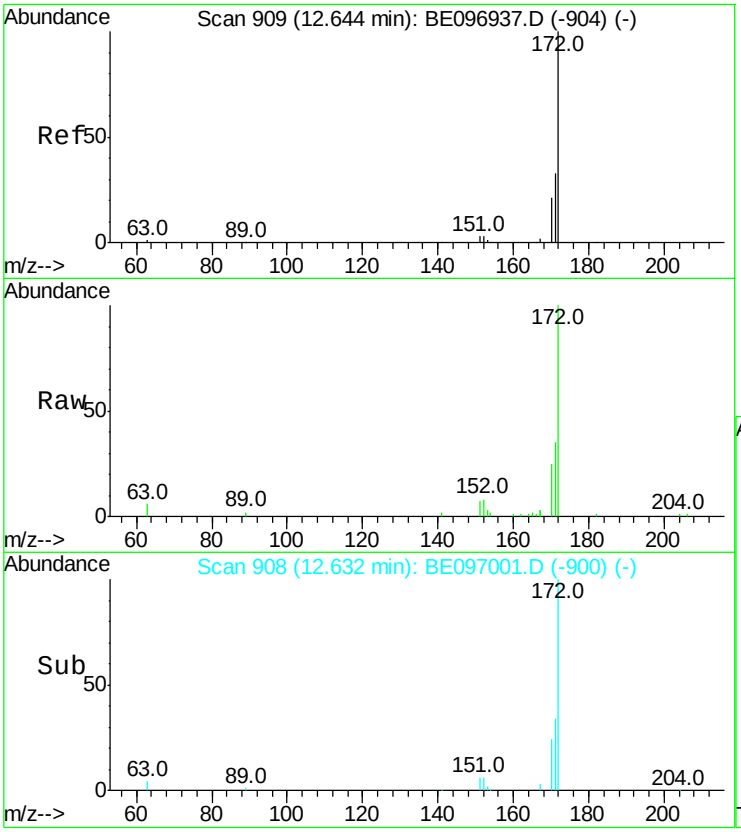


#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:330 Resp: 289

Ion	Ratio	Lower	Upper
330	100		
332	98.6	152.7	229.1#
141	46.4	33.7	50.5



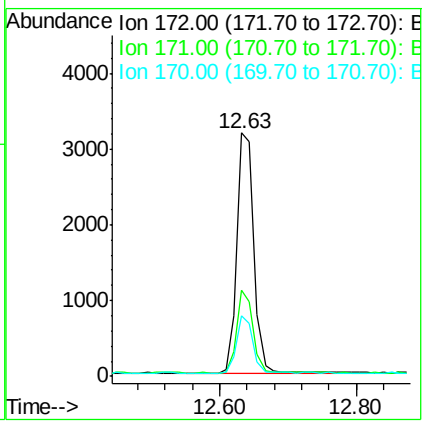


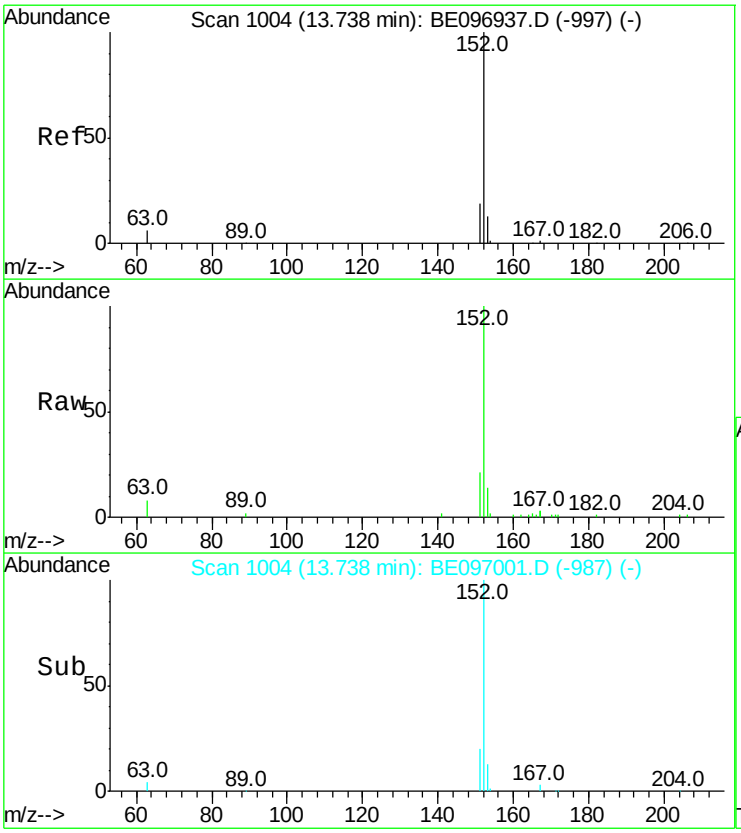
#15
2-Fluorobiphenyl
Concen: 0.486 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:172 Resp: 5508

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.9	44.9
170	25.1	21.8	32.8

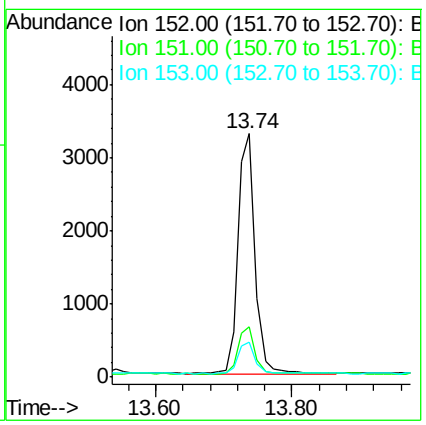


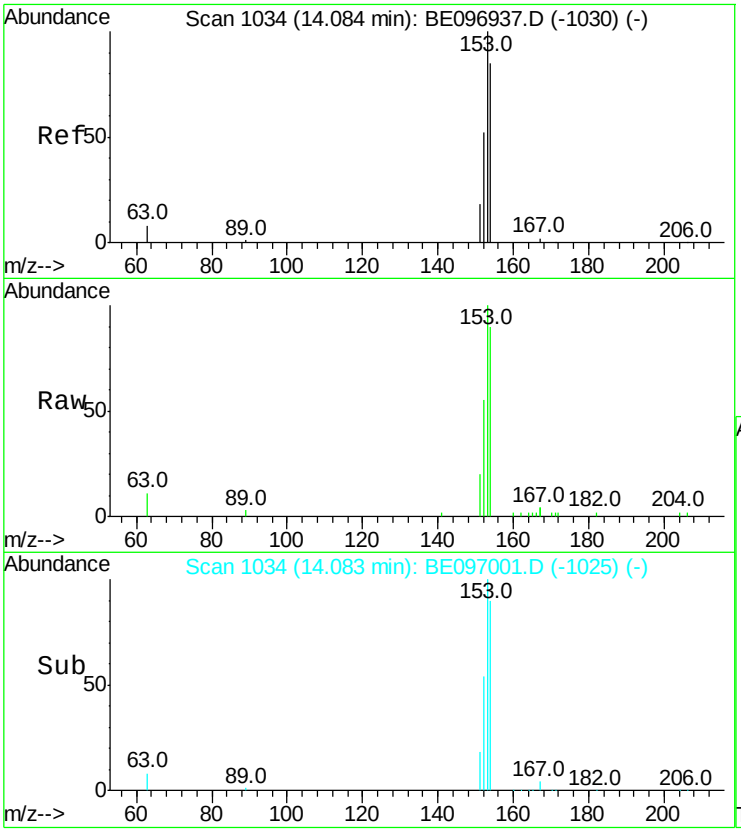


#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.74 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:152 Resp: 5690

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.4	10.5	15.7



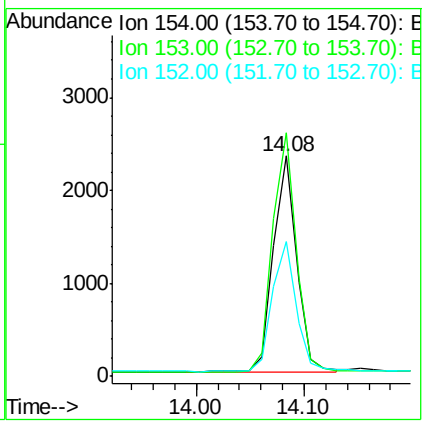


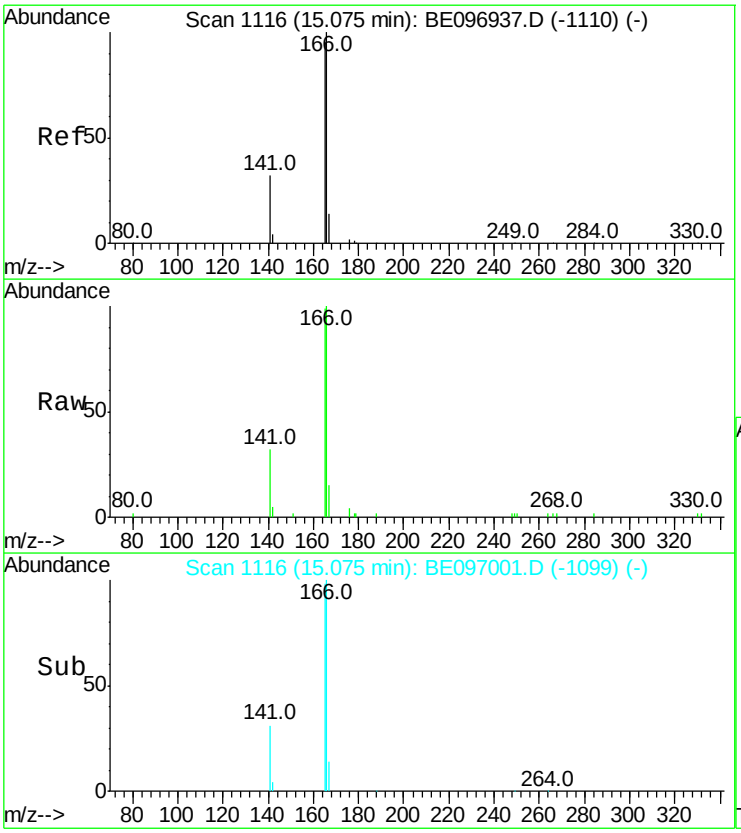
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:154 Resp: 3463

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.2	133.8
152	61.9	42.0	63.0

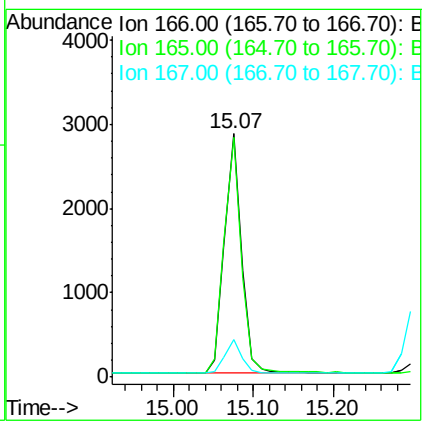


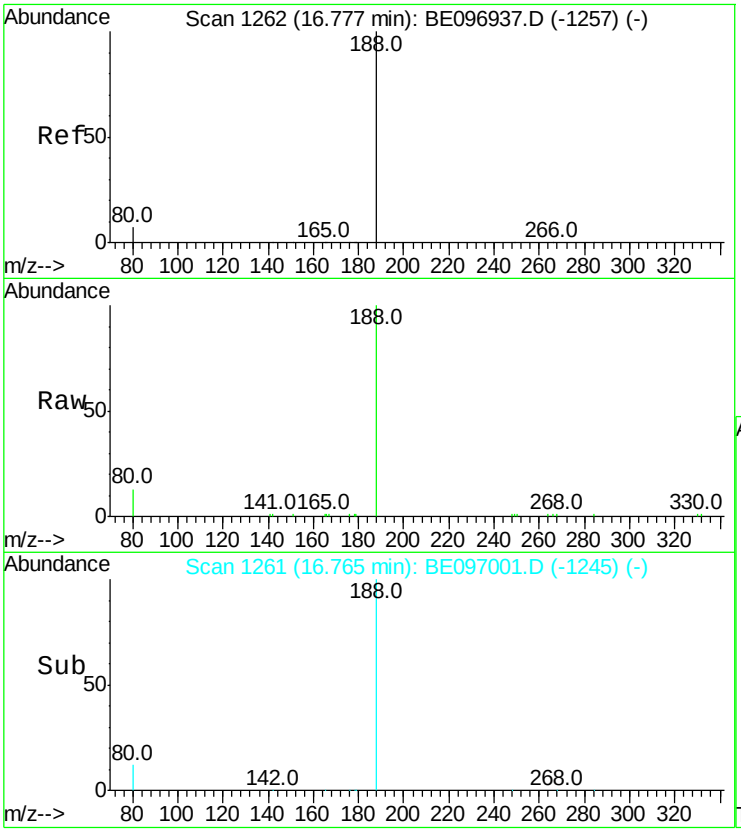


#18
Fluorene
Concen: 0.432 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:166 Resp: 4200

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.6
167	13.8	42.4	63.6#



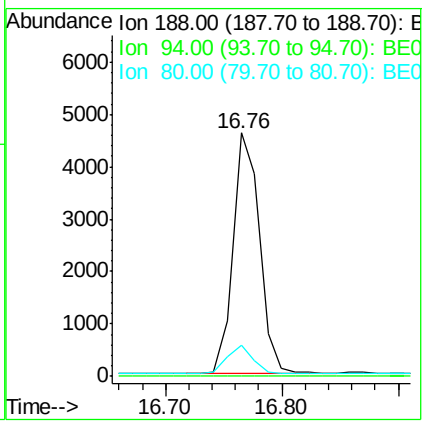


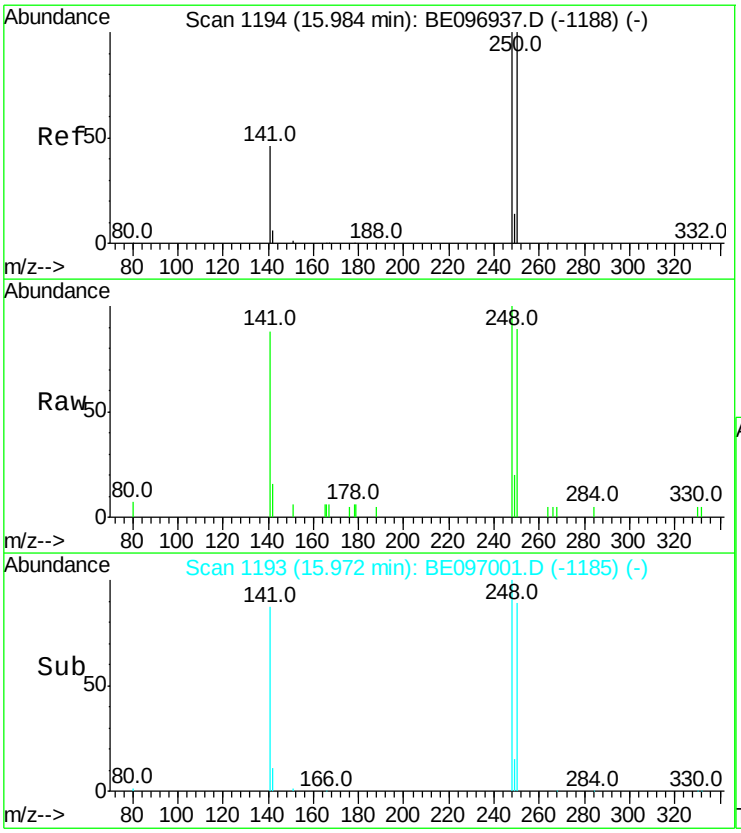
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:188 Resp: 7277

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.0	3.6	5.4#

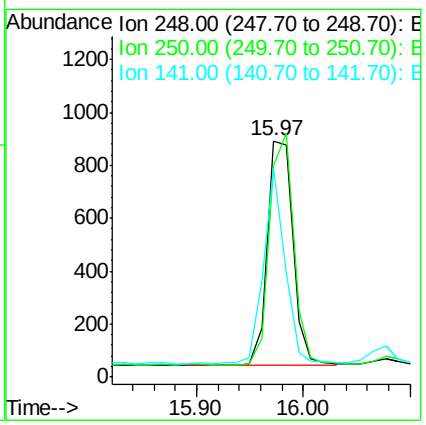


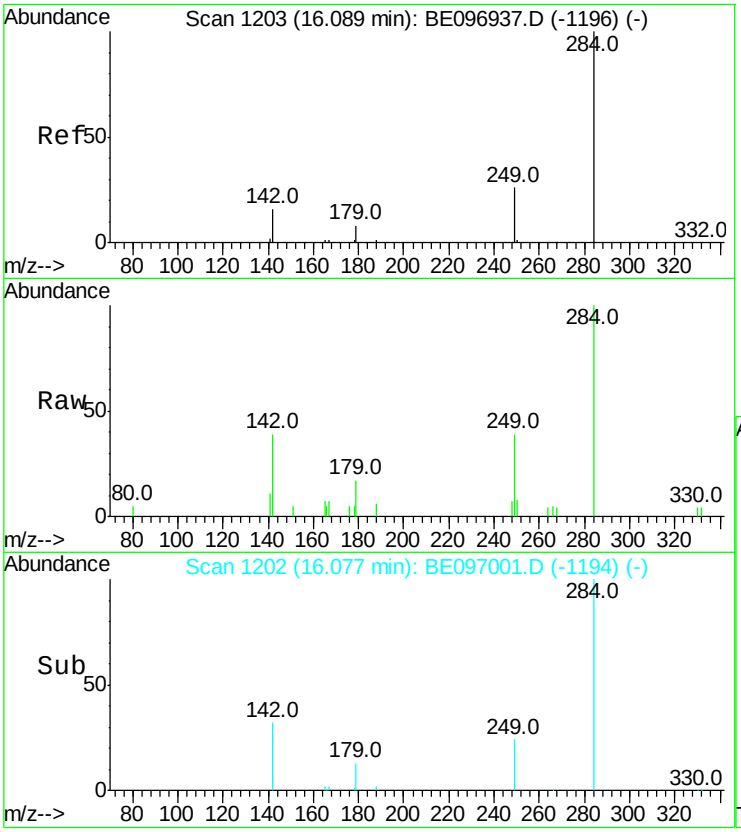


#20
4-Bromophenyl-phenylether
Concen: 0.413 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:248 Resp: 1420

Ion	Ratio	Lower	Upper
248	100		
250	89.5	62.7	94.1
141	88.4	48.2	72.2#



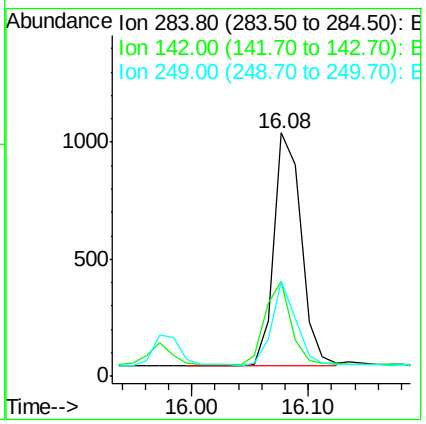


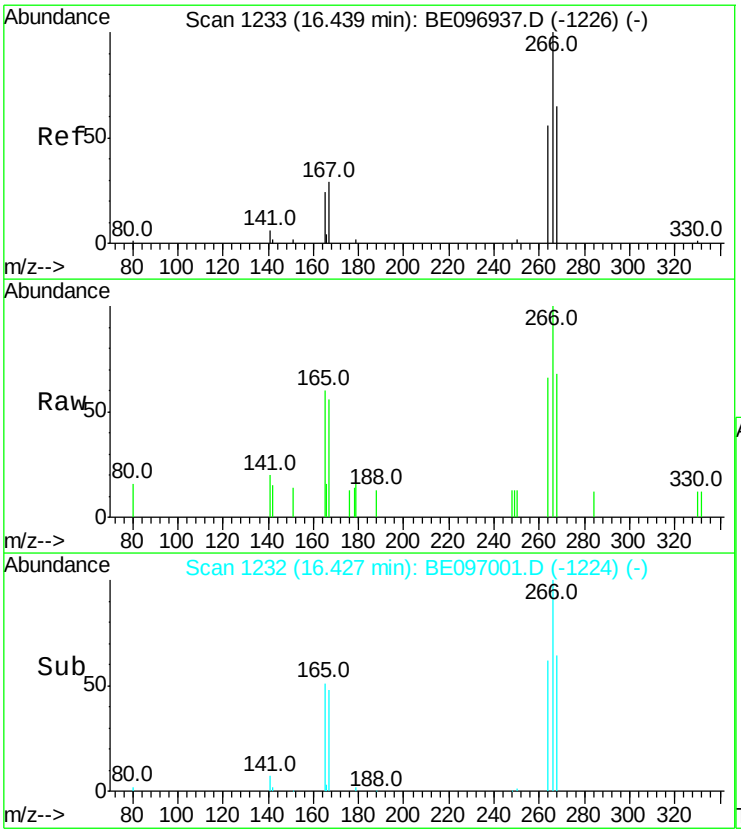
#21
Hexachlorobenzene
Concen: 0.418 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:284 Resp: 1599

Ion	Ratio	Lower	Upper
284	100		
142	34.3	22.1	33.1#
249	32.0	34.8	52.2#

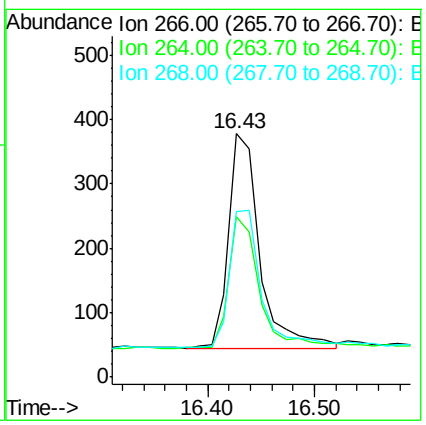


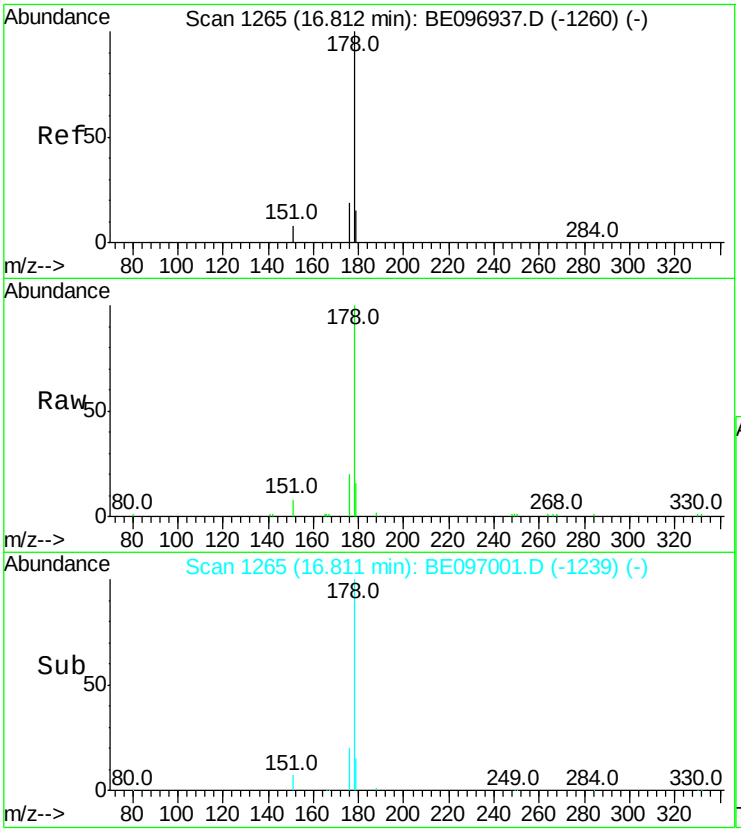


#22
Pentachlorophenol
Concen: 0.960 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:266 Resp: 674

Ion	Ratio	Lower	Upper
266	100		
264	66.1	72.5	108.7#
268	68.0	73.8	110.6#



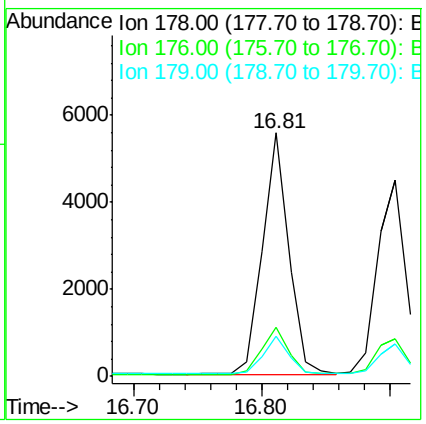


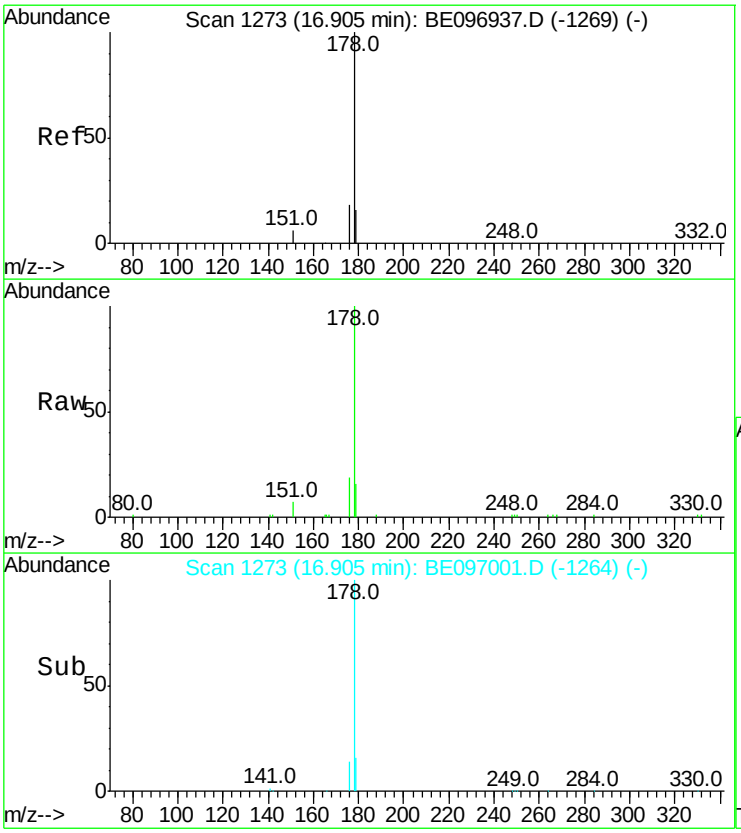
#23
Phenanthrene
Concen: 0.456 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:178 Resp: 7952

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.5	11.8	17.6

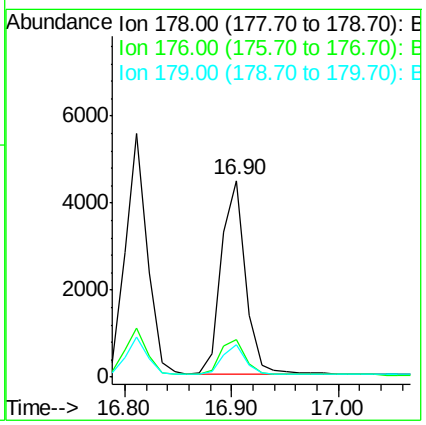


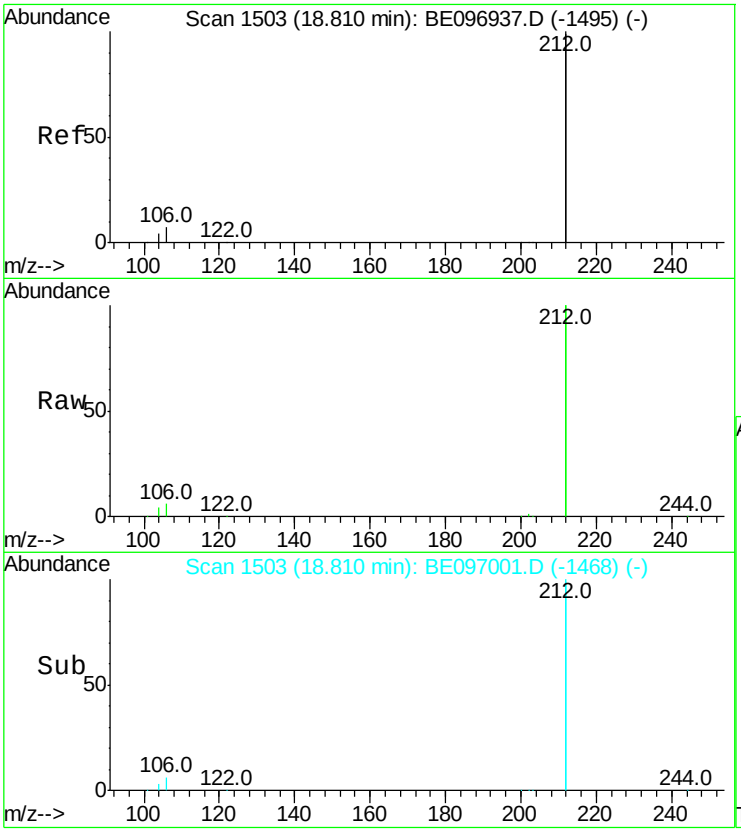


#24
Anthracene
Concen: 0.456 ng
RT: 16.90 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:178 Resp: 6917

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	14.8	13.0	19.6



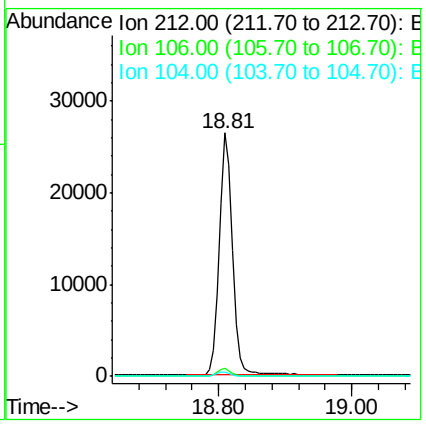


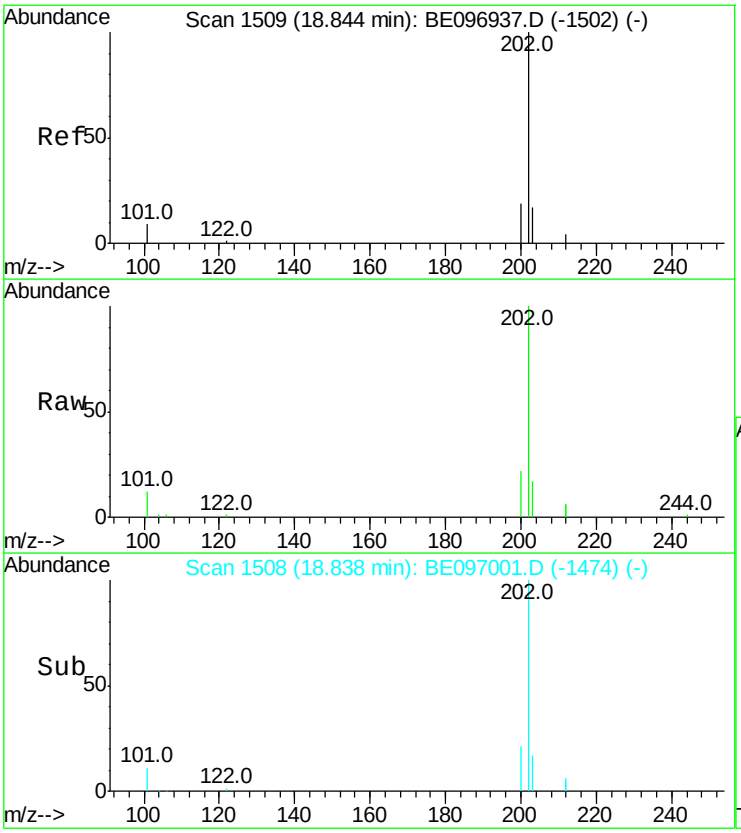
#25
Fluoranthene-d10
Concen: 0.568 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:212 Resp: 35936

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

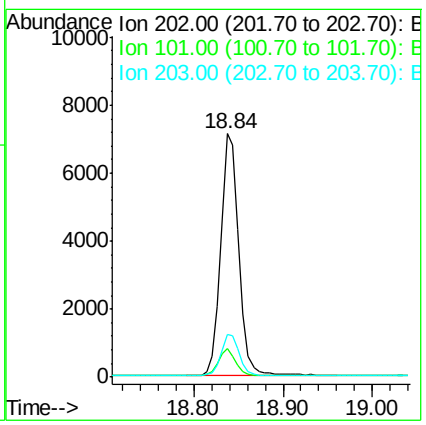


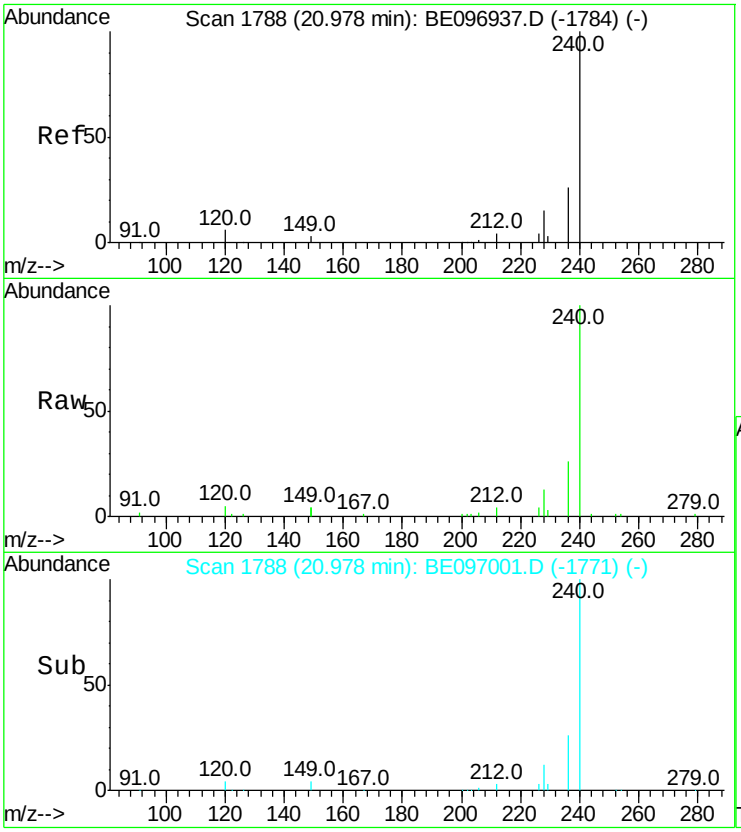


#26
Fluoranthene
Concen: 0.534 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:202 Resp: 9818

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.8
203	17.0	13.7	20.5



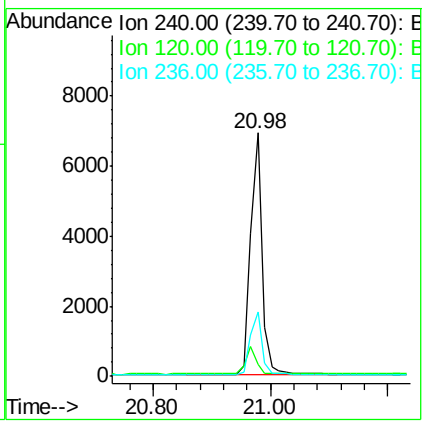


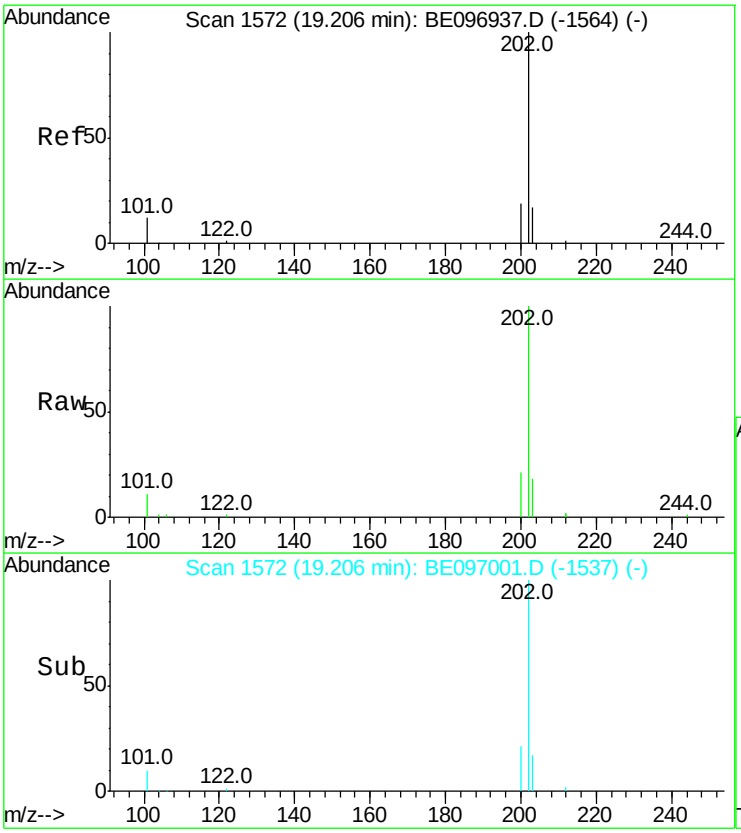
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:240 Resp: 9520

Ion	Ratio	Lower	Upper
240	100		
120	5.0	5.5	8.3#
236	26.3	20.7	31.1

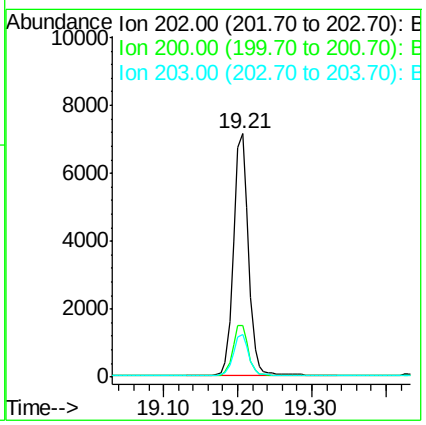


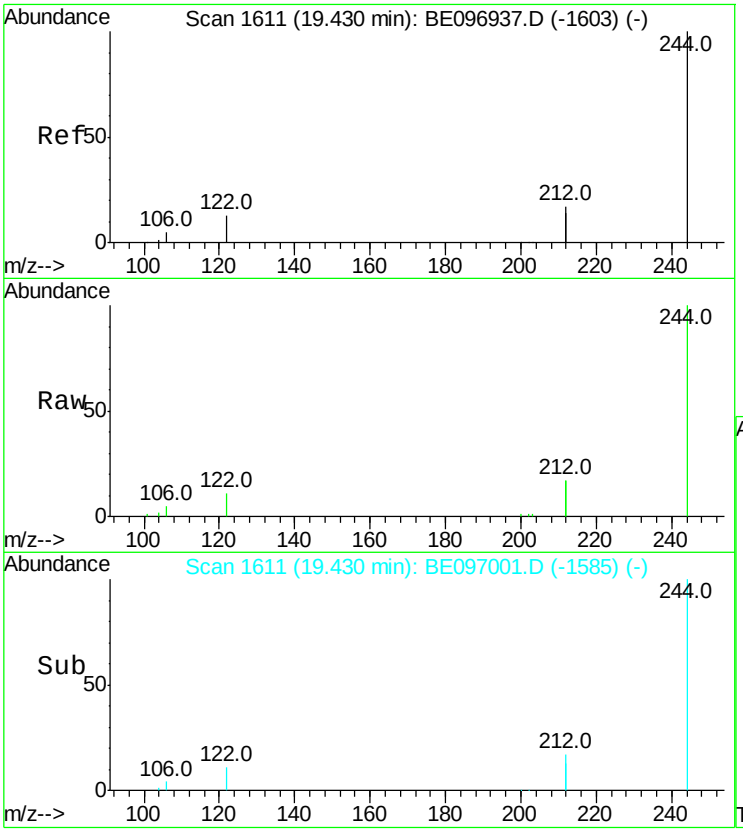


#28
Pyrene
Concen: 0.352 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:202 Resp: 9902

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.6	13.8	20.8



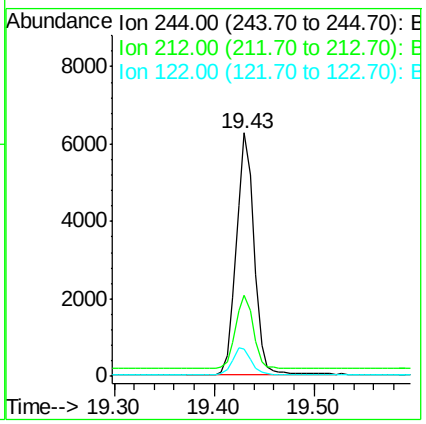


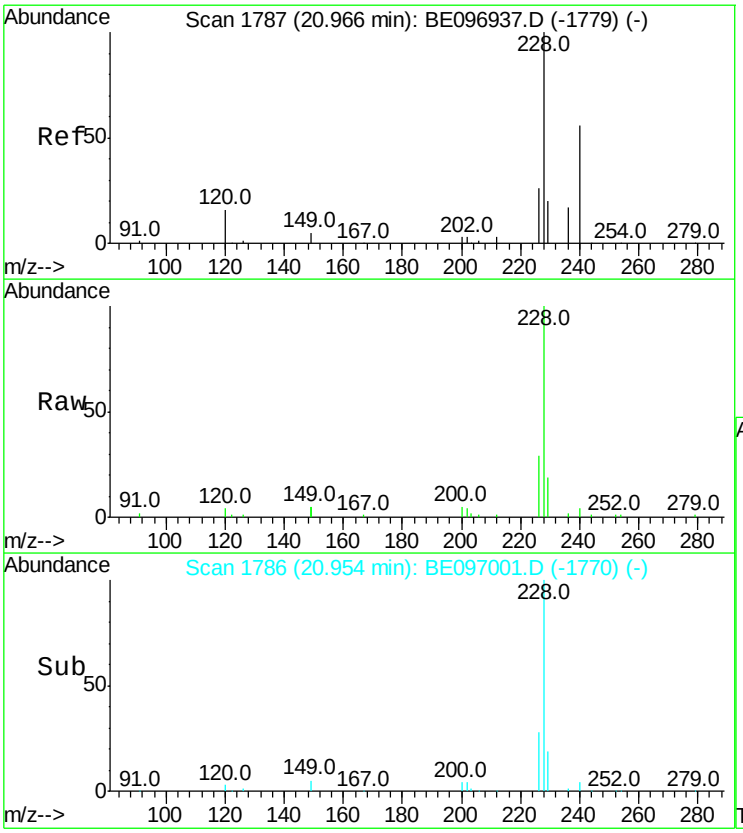
#29
Terphenyl-d14
Concen: 0.420 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:244 Resp: 7717

Ion	Ratio	Lower	Upper
244	100		
212	33.3	25.4	38.0
122	11.3	8.1	12.1

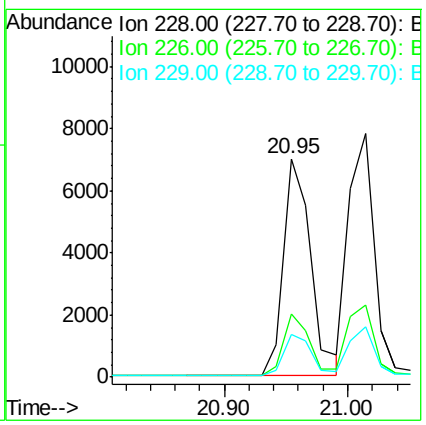


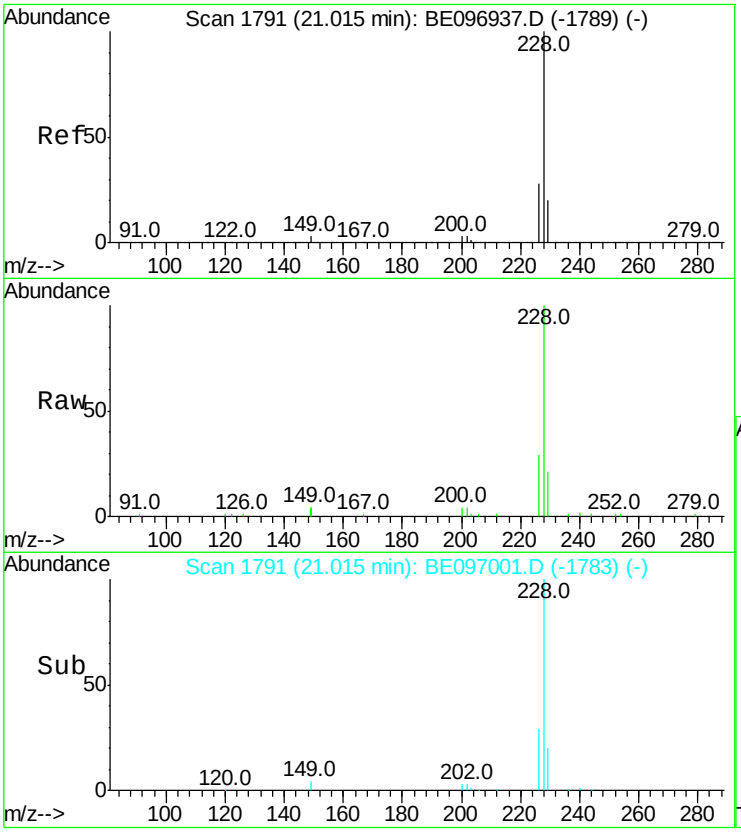


#30
Benzo(a)anthracene
Concen: 0.480 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:228 Resp: 10884

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.0	36.0
229	19.4	16.0	24.0



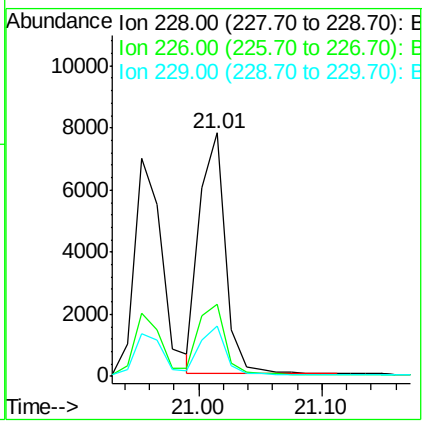


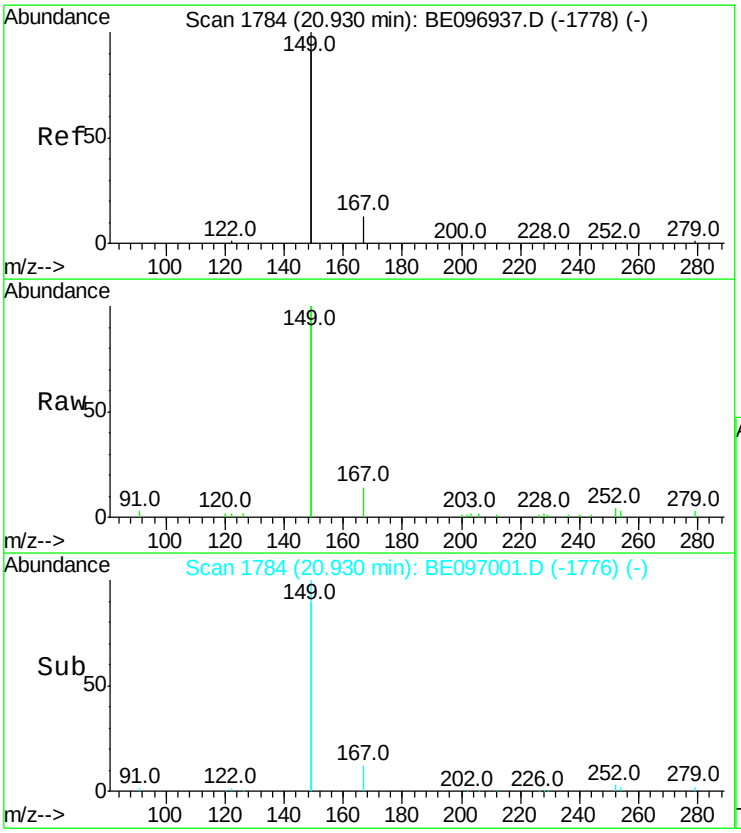
#31
Chrysene
Concen: 0.445 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:228 Resp: 11322

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	20.6	16.0	24.0

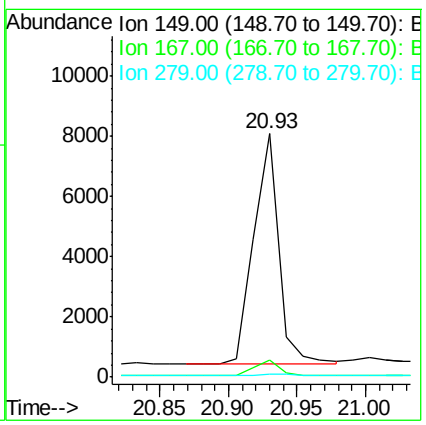


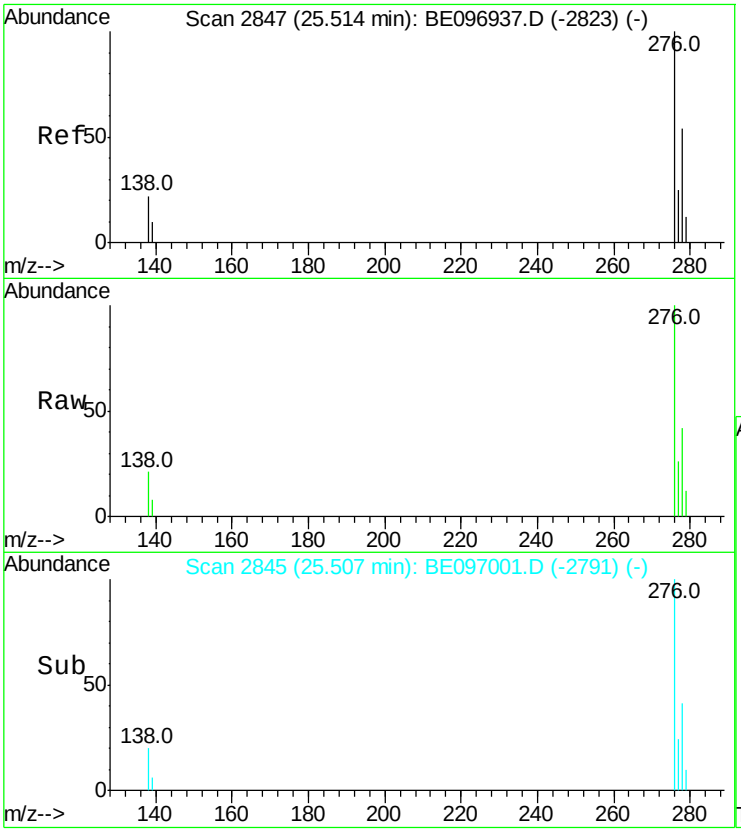


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.425 ng
RT: 20.93 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:149 Resp: 9609

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.0	0.7	1.1



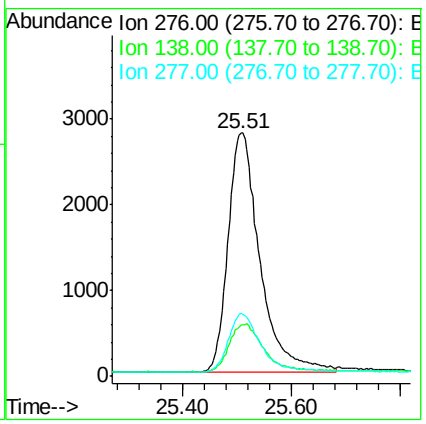


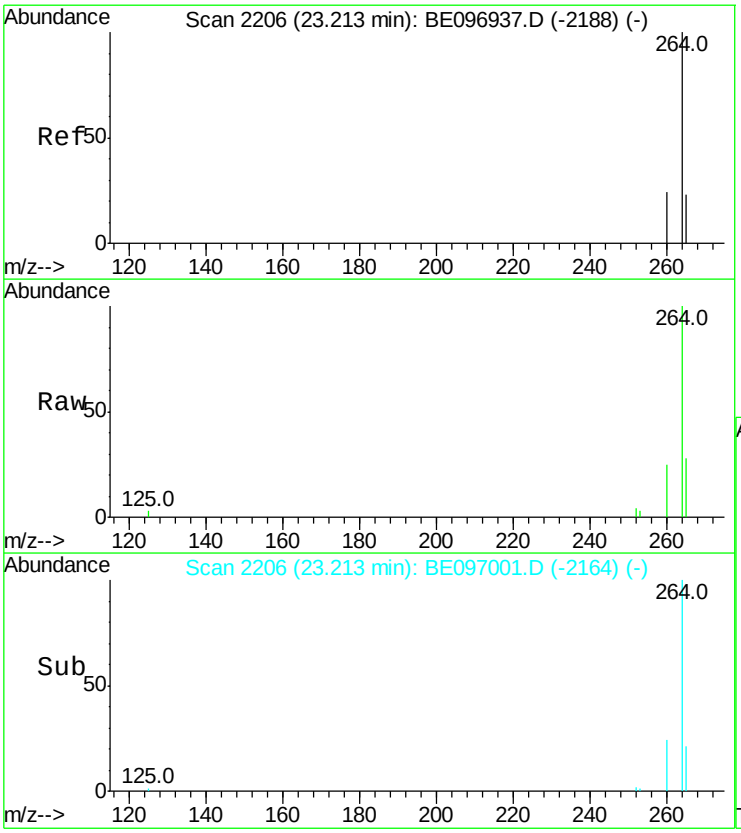
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.621 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:276 Resp: 11510

Ion	Ratio	Lower	Upper
276	100		
138	21.1	22.5	33.7#
277	24.4	19.9	29.9

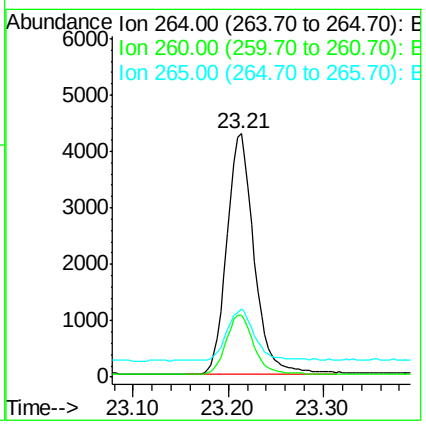


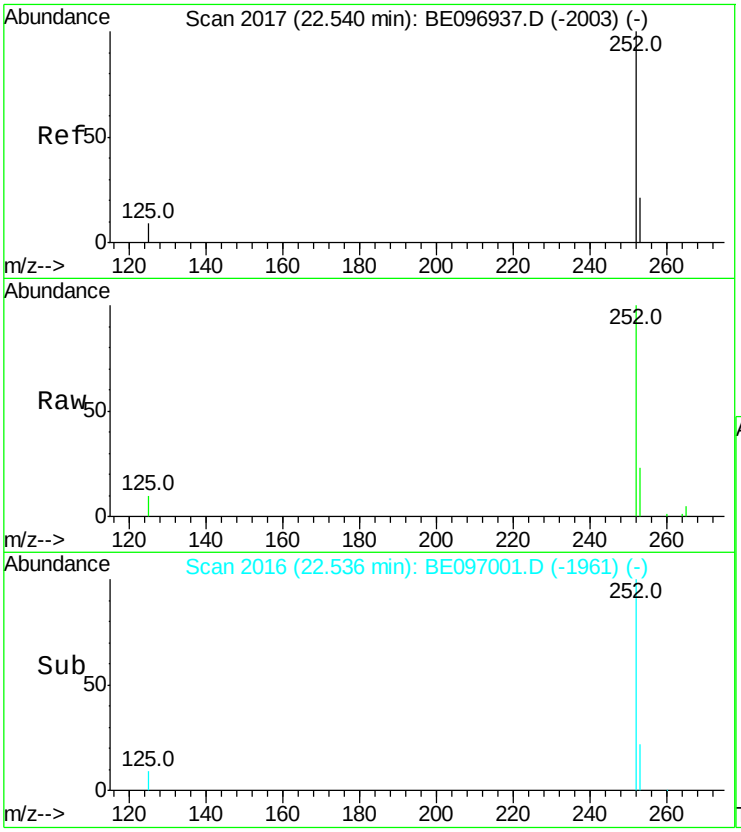


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:264 Resp: 8501

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.5	30.7
265	28.2	22.8	34.2



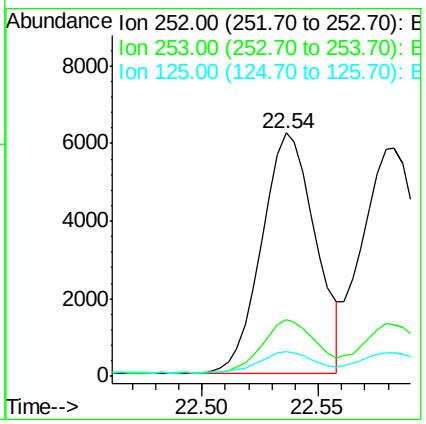


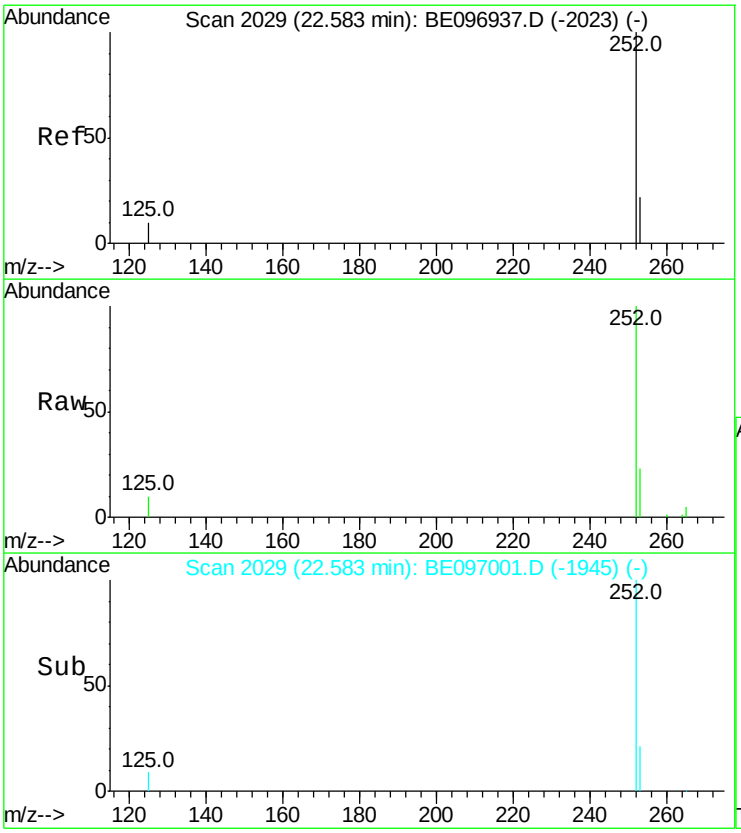
#35
Benzo(b)fluoranthene
Concen: 0.461 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:252 Resp: 10010

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	10.1	16.0	24.0#

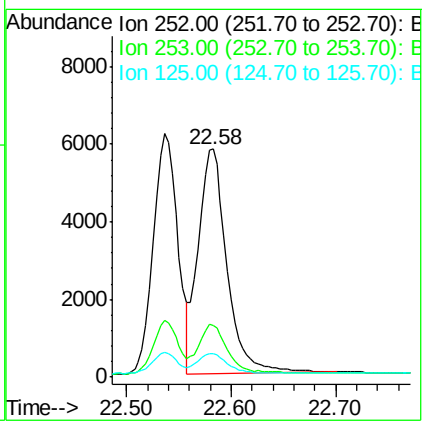


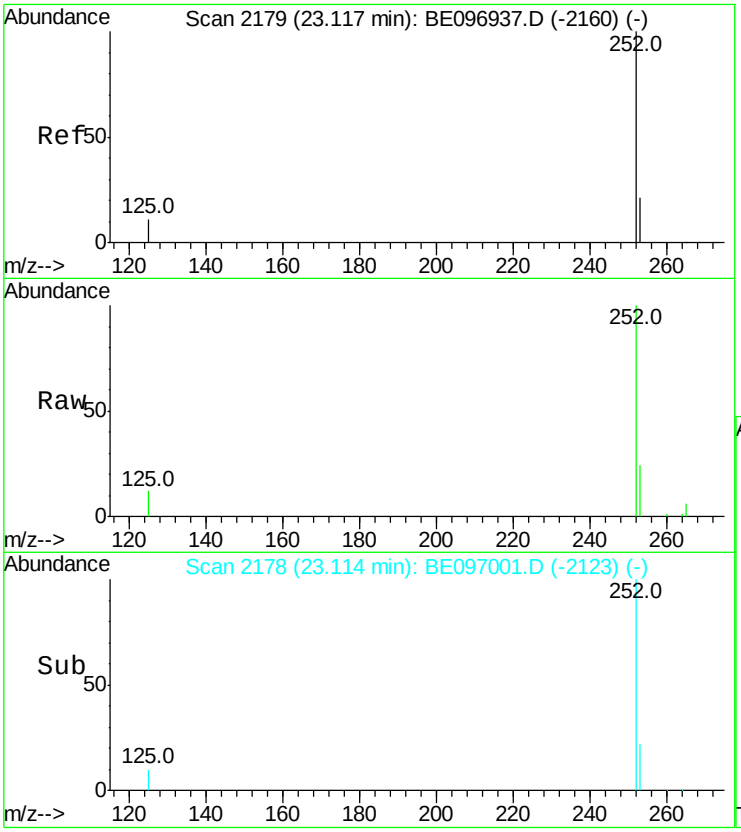


#36
Benzo(k)fluoranthene
Concen: 0.430 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:252 Resp: 11102

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	10.3	8.0	12.0



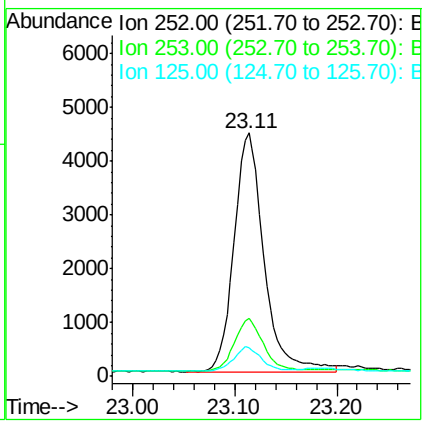


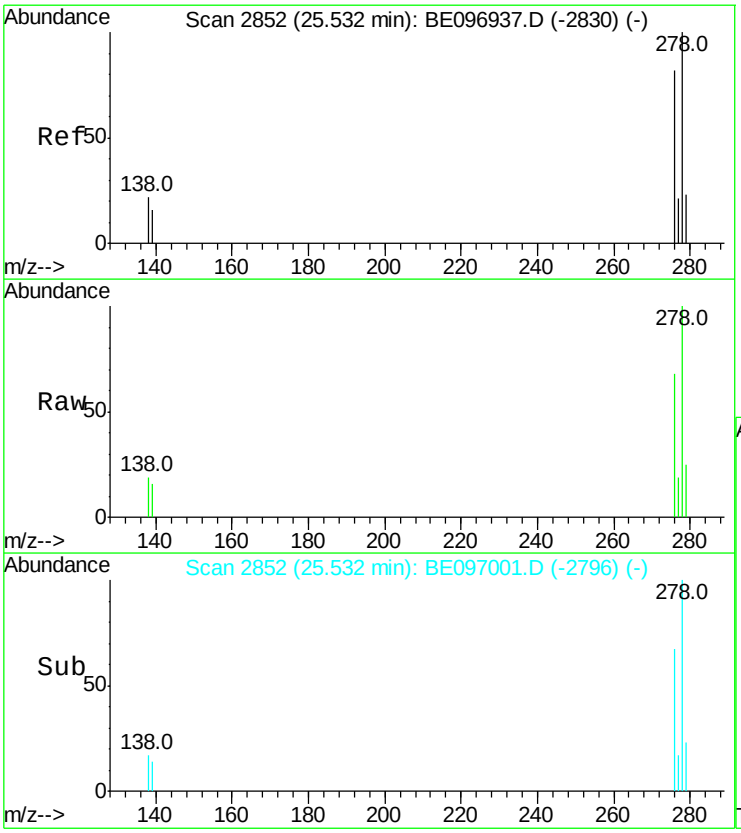
#37
Benzo(a)pyrene
Concen: 0.469 ng
RT: 23.11 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:252 Resp: 9070

Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.0	24.0
125	11.8	12.0	18.0#

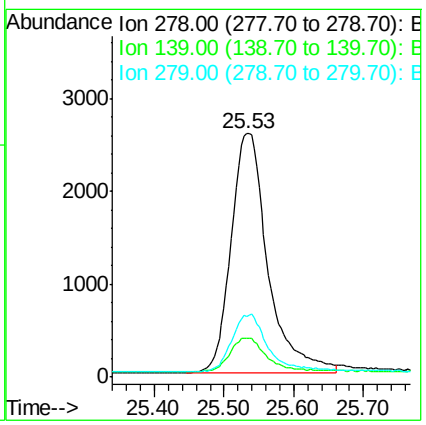


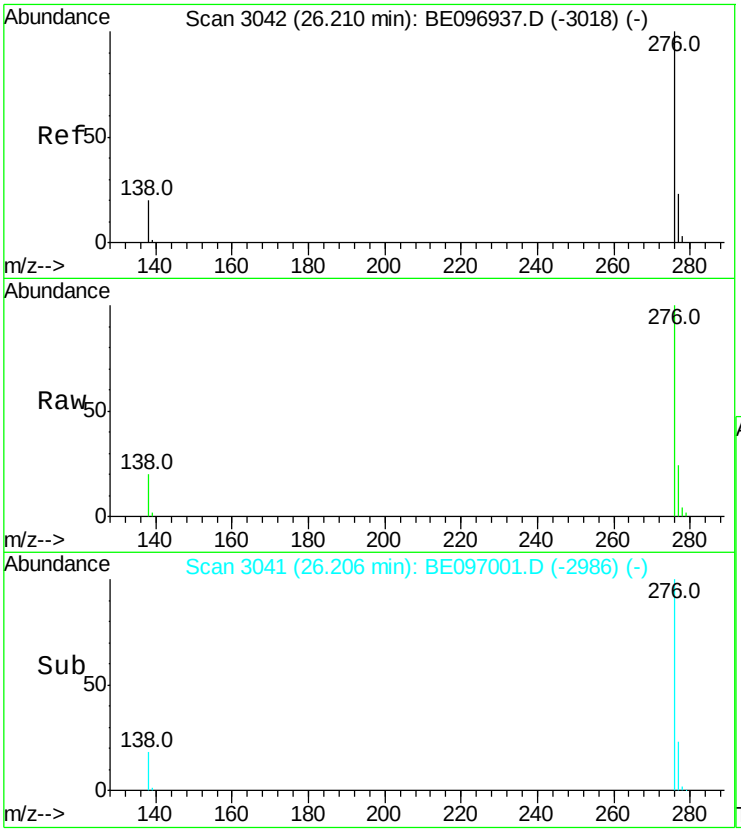


#38
Dibenzo(a,h)anthracene
Concen: 0.562 ng
RT: 25.53 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:278 Resp: 9427

Ion	Ratio	Lower	Upper
278	100		
139	15.9	16.0	24.0#
279	25.1	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.584 ng
RT: 26.21 min Scan# 3041
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

Tgt Ion:276 Resp: 10302

Ion	Ratio	Lower	Upper
276	100		
277	24.0	16.0	24.0#
138	19.8	20.0	30.0#