Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097098.D
Acq On : 25 Jul 2018 8:14
Operator : SJ/JU
Sample : PB111338BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB111338BS

Quant Time: Jul 25 08:53:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1264	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	6097	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3652	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	10084	0.40	ng		0.00
27) Chrysene-d12	20.98	240	9729	0.40	ng		0.00
34) Perylene-d12	23.21	264	9344	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1434	0.40	ng		0.00
5) Phenol-d6	6.60	99	2089	0.40	ng		0.00
8) Nitrobenzene-d5	8.52	82	2147	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	3499	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	487	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5263	0.42	ng		0.00
25) Fluoranthene-d10	18.81	212	40387	0.40	ng		0.00
29) Terphenyl-d14	19.43	244	7575	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	825	0.411	ng	#	88
3) n-Nitrosodimethylamine	3.38	42	1001	0.446	ng	#	87
6) bis(2-Chloroethyl)ether	6.84	93	1901	0.400	ng		95
9) Naphthalene	10.20	128	22083	0.404	ng		100
10) Hexachlorobutadiene	10.48	225	1037	0.423	ng		97
12) 2-Methylnaphthalene	11.81	142	3655	0.389	ng		99
16) Acenaphthylene	13.73	152	6537	0.399	ng		99
17) Acenaphthene	14.08	154	3780	0.397	ng	#	92
18) Fluorene	15.08	166	5108	0.406	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	1952	0.399	ng		90
21) Hexachlorobenzene	16.08	284	2131	0.405	ng	#	82
22) Pentachlorophenol	16.43	266	483	0.396	ng	#	77
23) Phenanthrene	16.81	178	9648	0.401	ng		98
24) Anthracene	16.89	178	8470	0.394	ng		95
26) Fluoranthene	18.84	202	10983	0.407	ng		98
28) Pyrene	19.20	202	10949	0.410	ng		99
30) Benzo(a)anthracene	20.95	228	9439	0.390	ng		97
31) Chrysene	21.00	228	10646	0.410	ng		97
32) Bis(2-ethylhexyl)phthalate	20.92	149	11069	0.432	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10057	0.428	ng	#	94
35) Benzo(b)fluoranthene	22.53	252	8063	0.340	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	10294	0.372	ng		94
37) Benzo(a)pyrene	23.11	252	8128	0.364	ng	#	92
38) Dibenzo(a,h)anthracene	25.53	278	8429	0.378	ng		97
39) Benzo(g,h,i)perylene	26.20	276	8546	0.362	ng	#	90

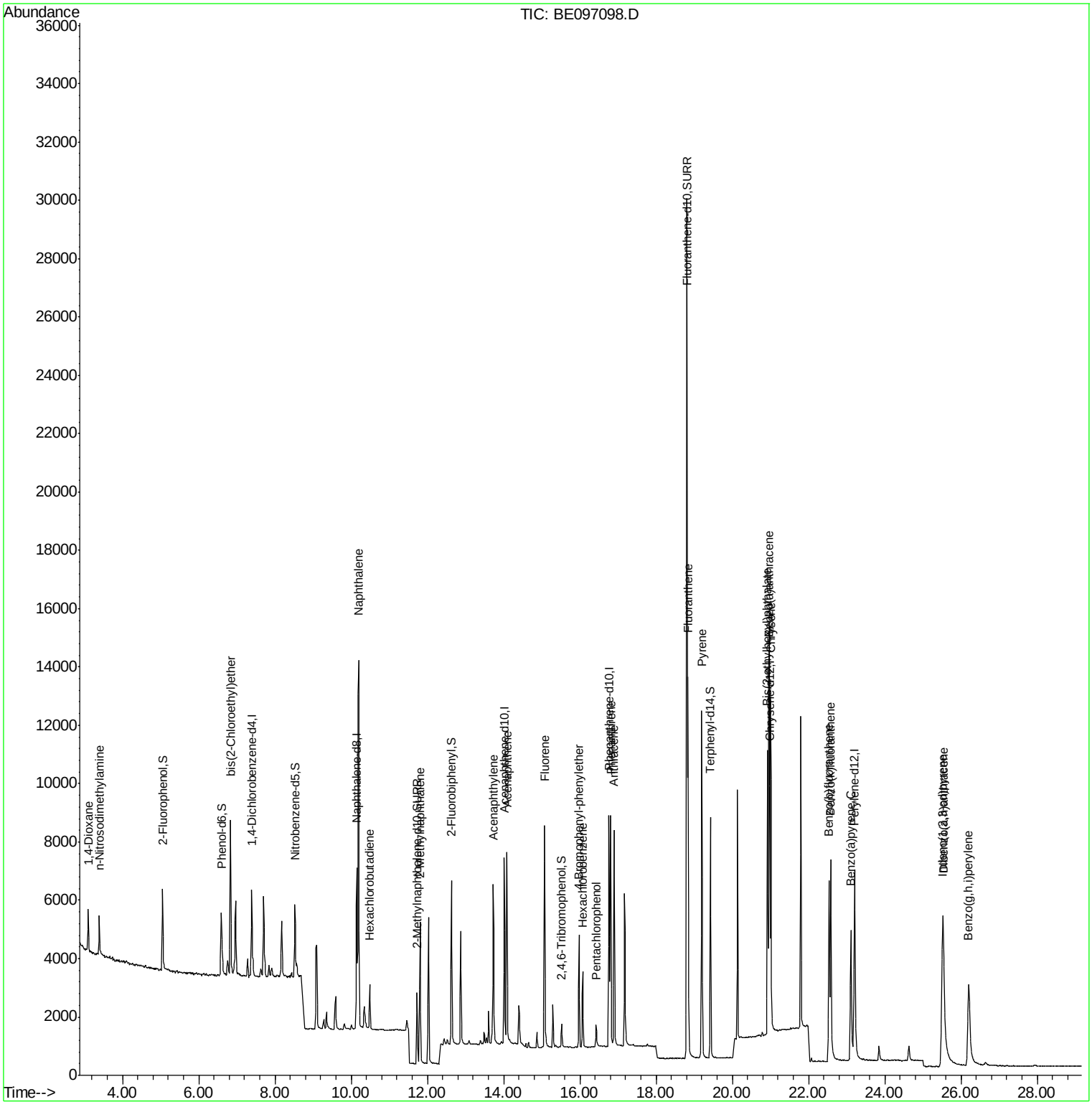
(#) = qualifier out of range (m) = manual integration (+) = signals summed

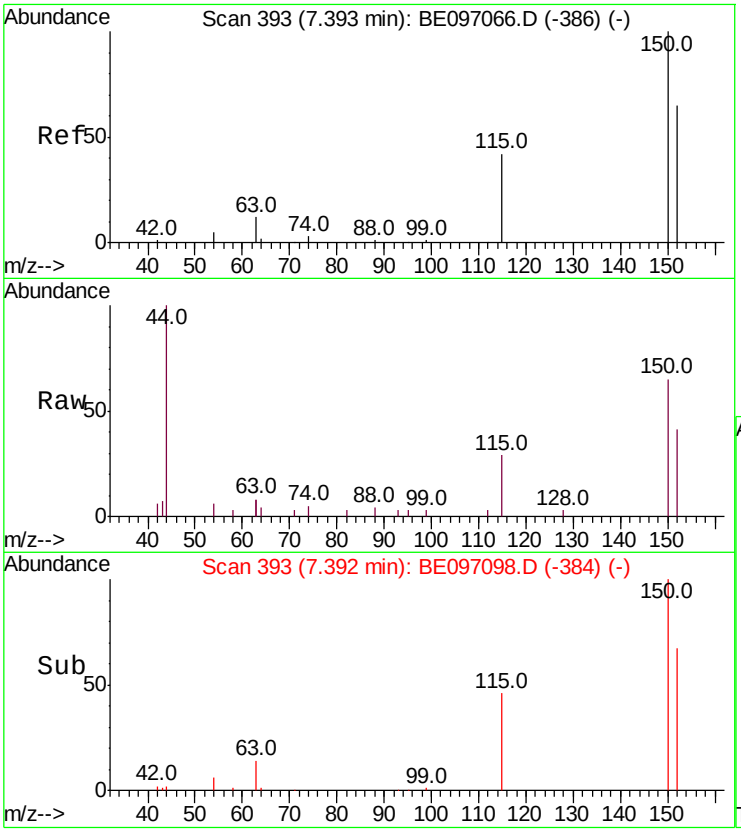
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097098.D
Acq On : 25 Jul 2018 8:14
Operator : SJ/JU
Sample : PB111338BS
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Quant Time: Jul 25 08:53:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration



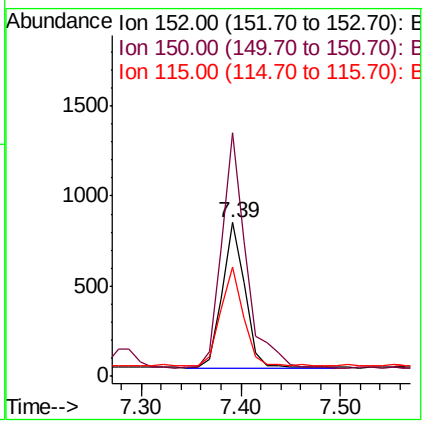


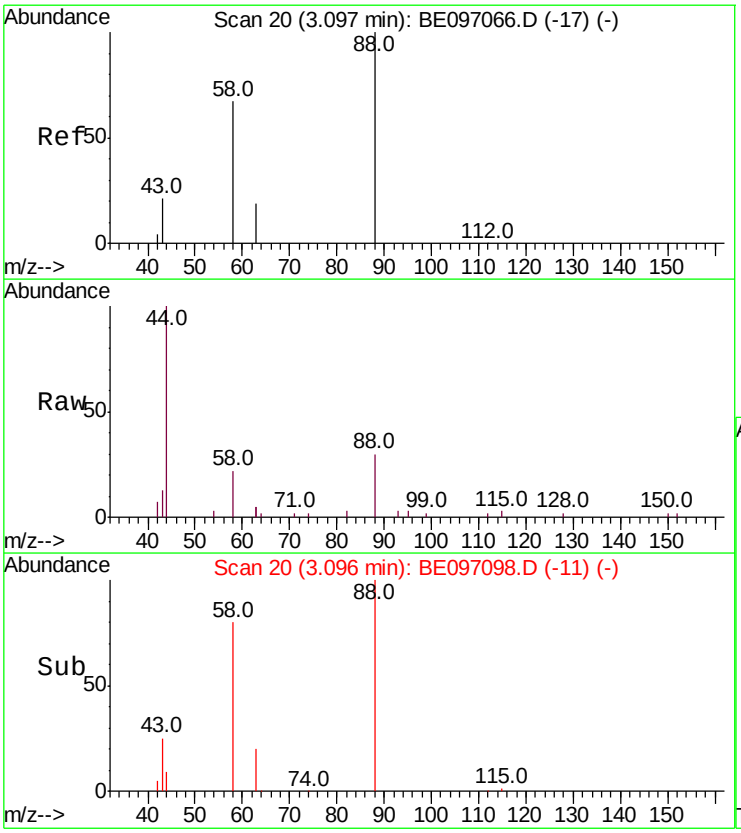
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:152 Resp: 1264

Ion	Ratio	Lower	Upper
152	100		
150	158.4	117.2	175.8
115	71.4	57.0	85.6

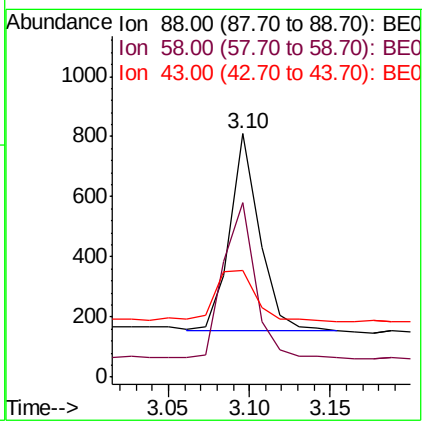


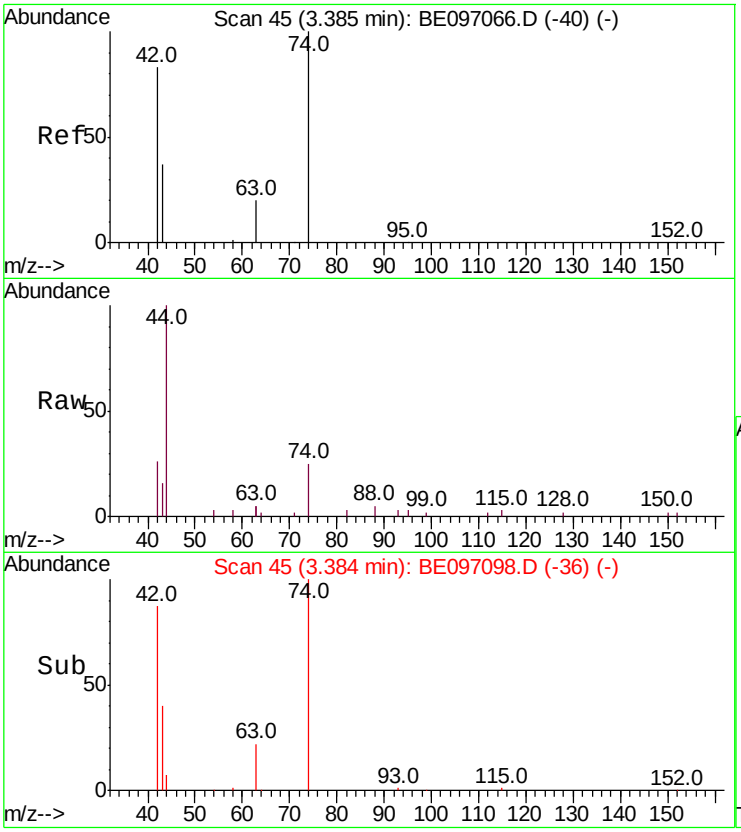


#2
1,4-Dioxane
Concen: 0.411 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion: 88 Resp: 825

Ion	Ratio	Lower	Upper
88	100		
58	84.6	63.2	94.8
43	37.0	41.2	61.8#



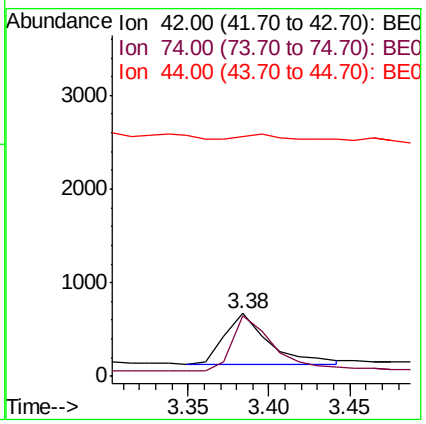


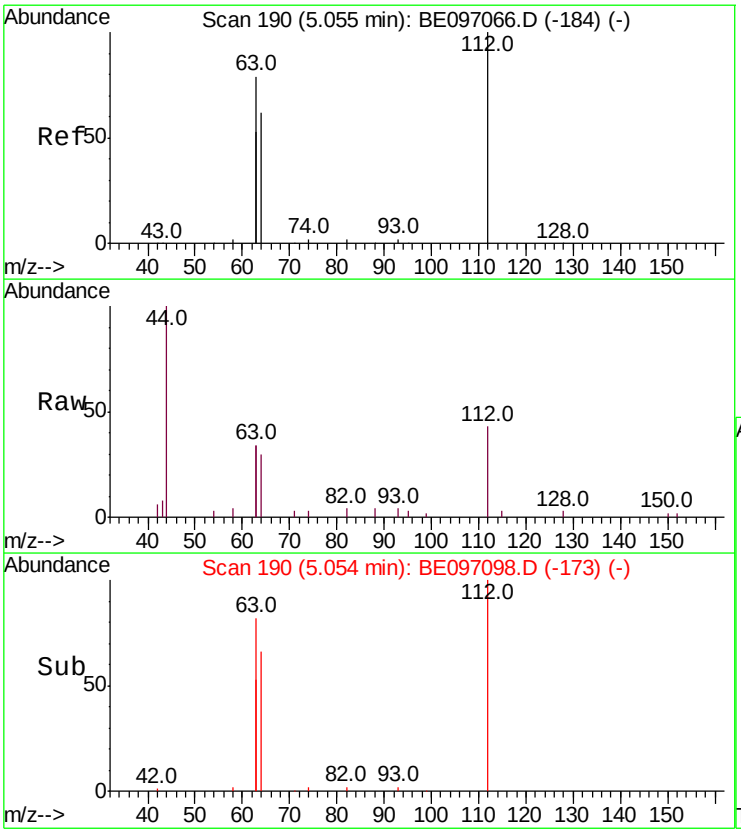
#3
n-Nitrosodimethylamine
Concen: 0.446 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion: 42 Resp: 1001

Ion	Ratio	Lower	Upper
42	100		
74	105.2	96.0	144.0
44	10.3	12.0	18.0#

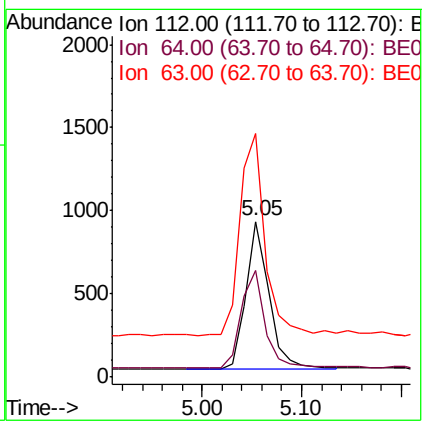


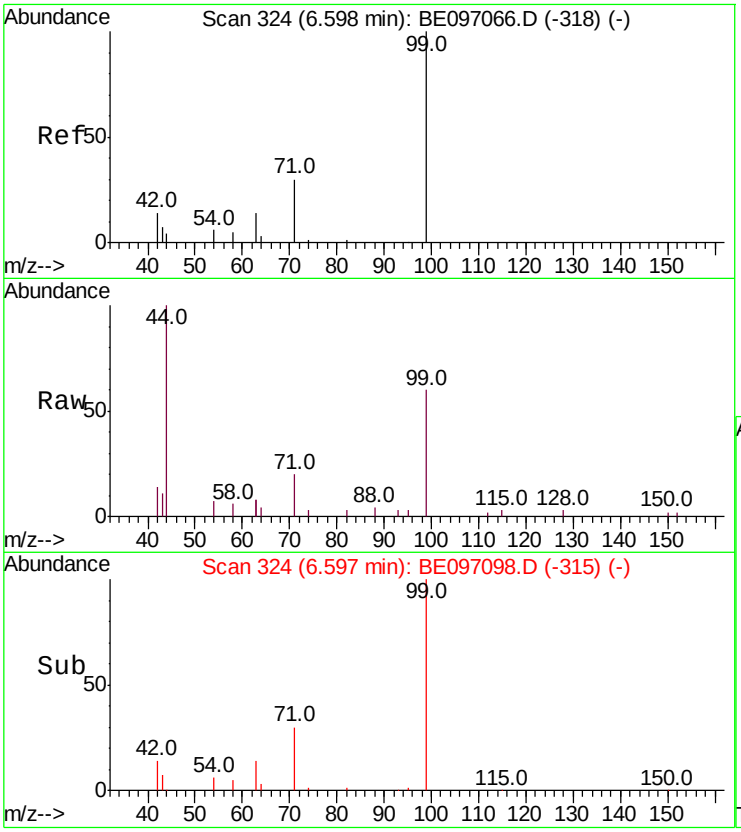


#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:112 Resp: 1434

Ion	Ratio	Lower	Upper
112	100		
64	68.3	60.1	90.1
63	147.4	116.8	175.2



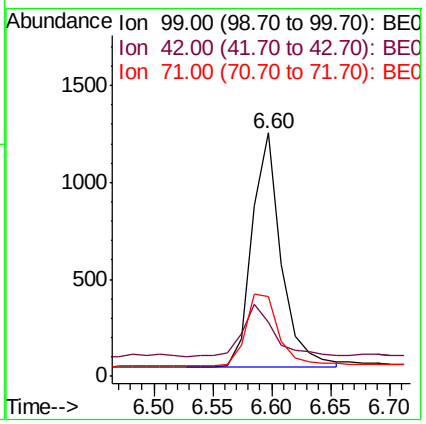


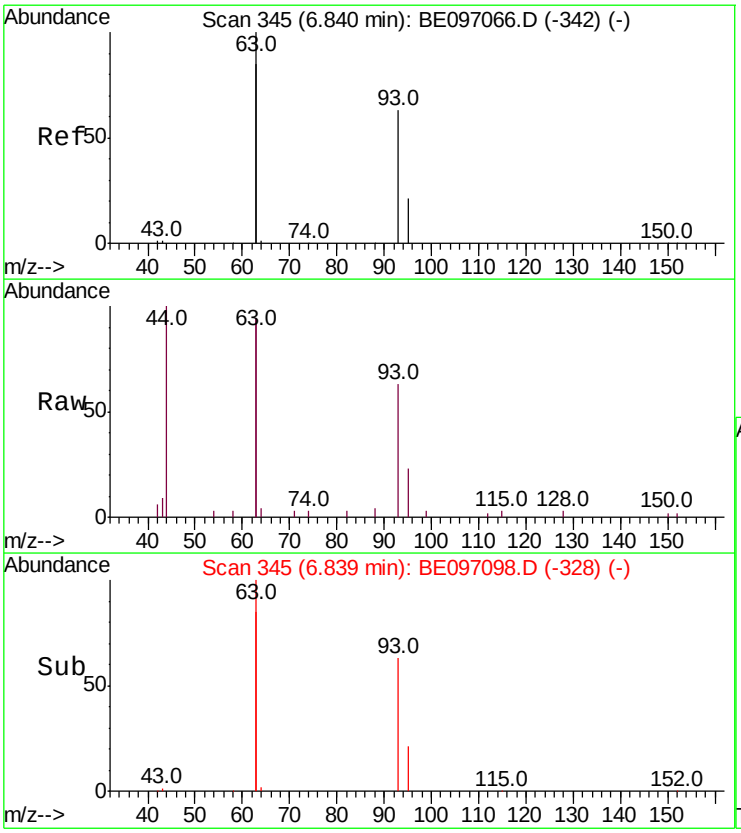
#5
Phenol-d6
Concen: 0.401 ng
RT: 6.60 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion: 99 Resp: 2089

Ion	Ratio	Lower	Upper
99	100		
42	23.6	20.2	30.2
71	35.0	28.4	42.6

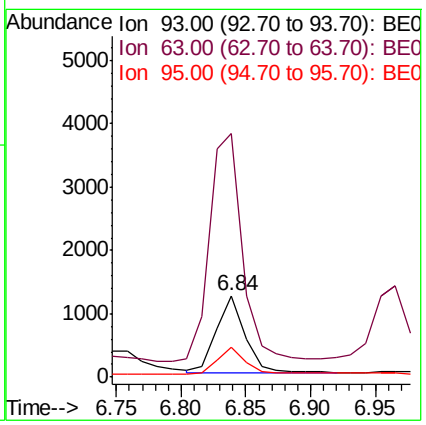


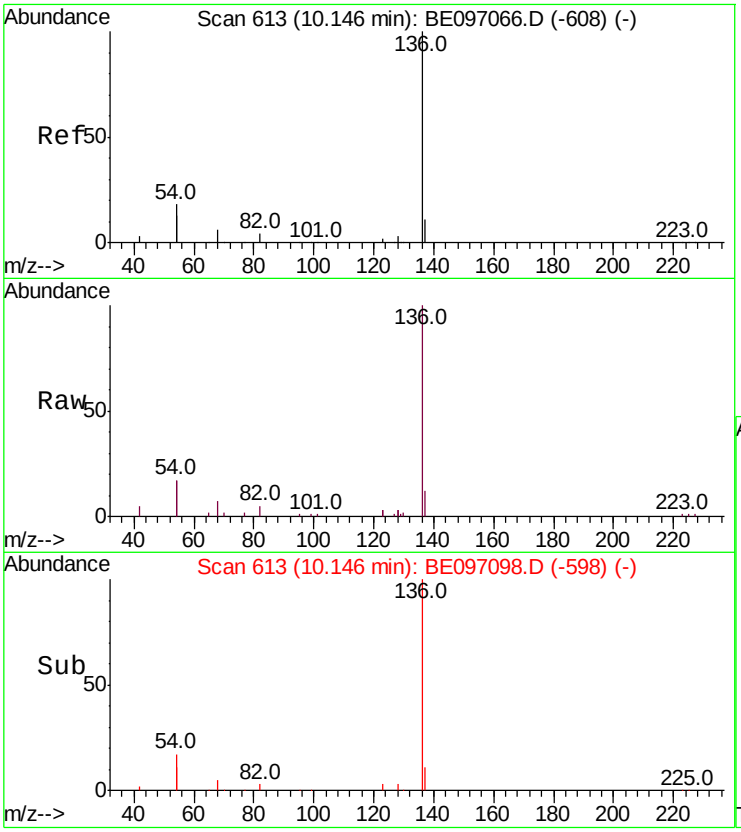


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion: 93 Resp: 1901

Ion	Ratio	Lower	Upper
93	100		
63	332.1	275.3	412.9
95	32.5	25.2	37.8



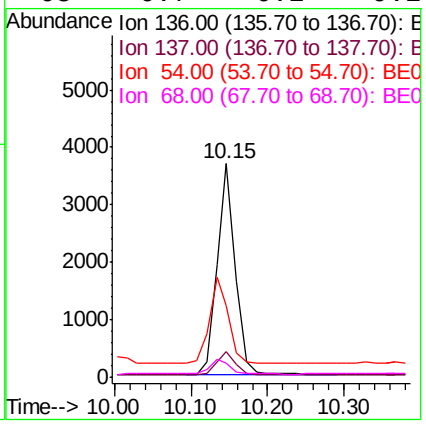


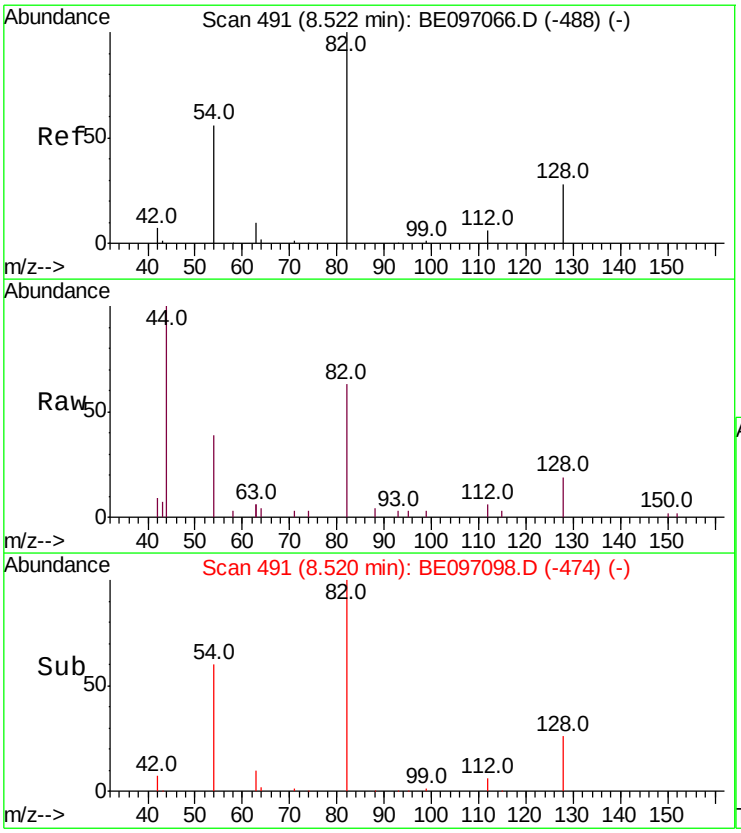
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:136 Resp: 6097

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	33.7	29.1	43.7
68	6.7	6.2	9.2

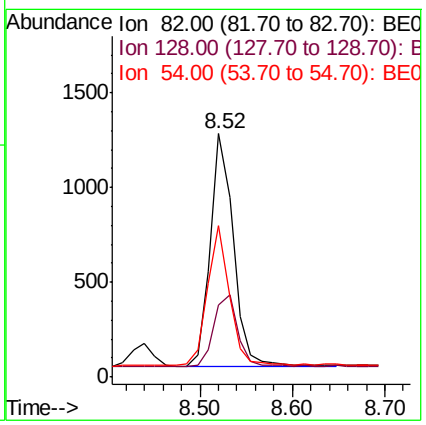


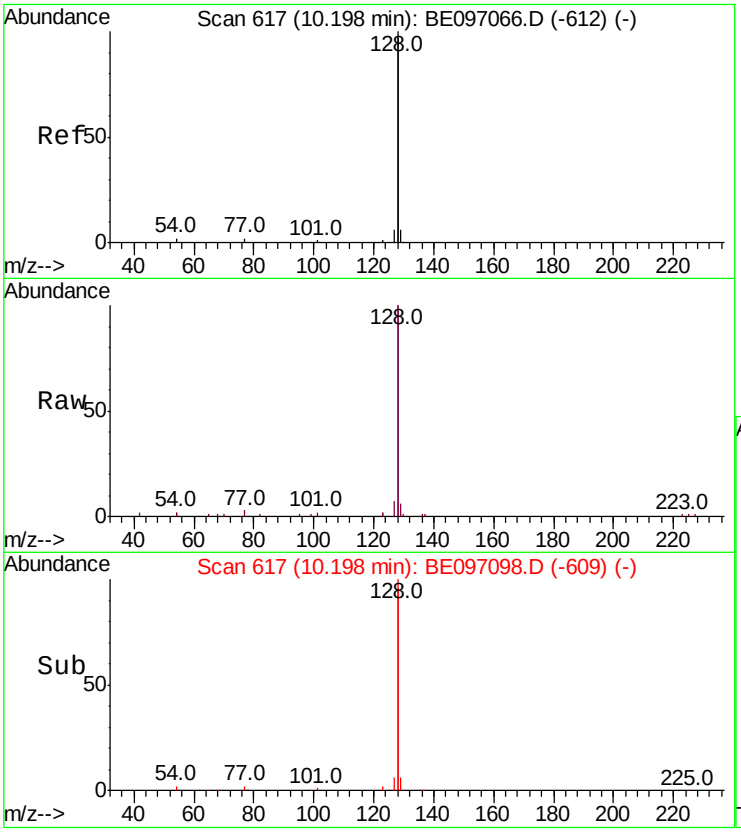


#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion: 82 Resp: 2147

Ion	Ratio	Lower	Upper
82	100		
128	29.6	24.0	36.0
54	62.1	40.0	60.0#



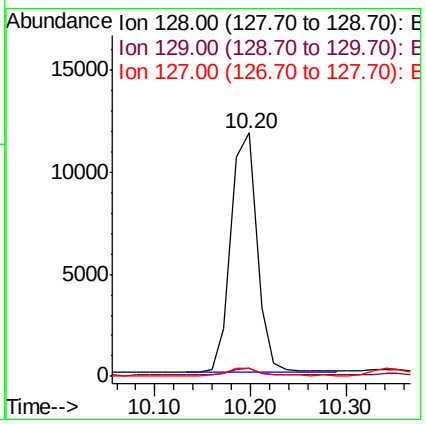


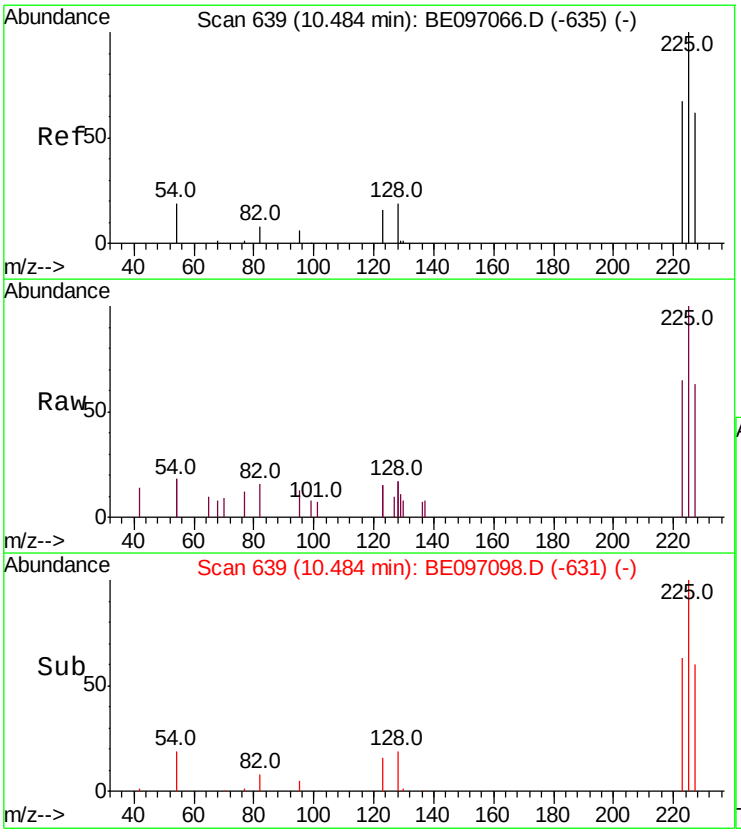
#9
Naphthalene
Concen: 0.404 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:128 Resp: 22083

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.5	2.8	4.2

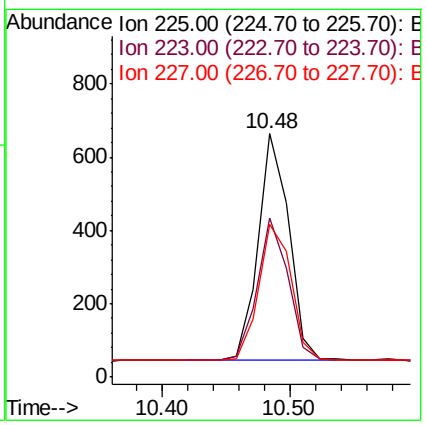


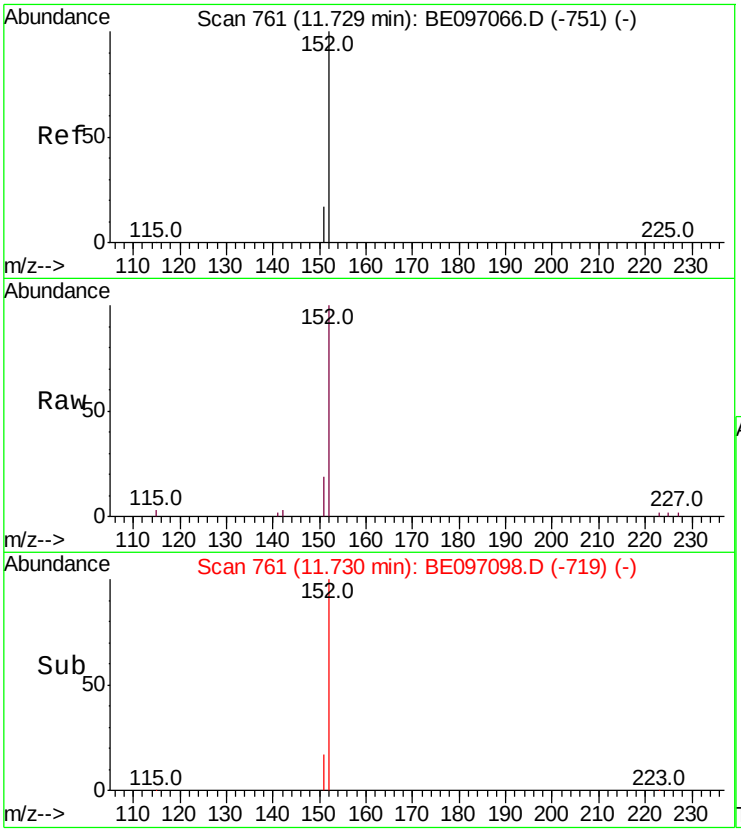


#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.48 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:225 Resp: 1037

Ion	Ratio	Lower	Upper
225	100		
223	62.5	53.0	79.6
227	63.1	51.4	77.2



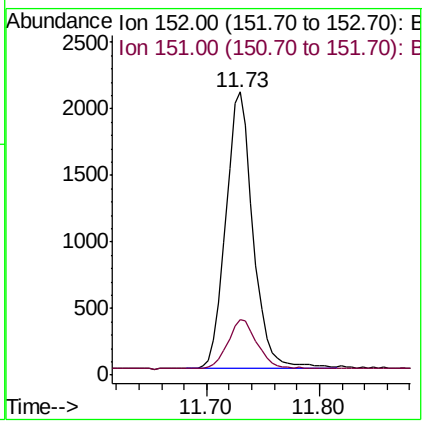


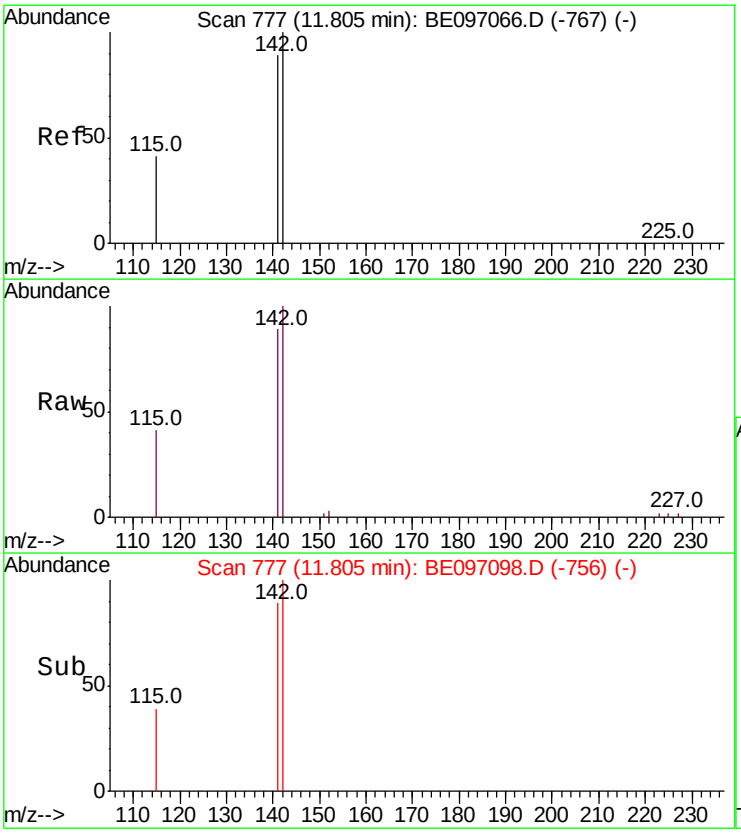
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:152 Resp: 3499

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

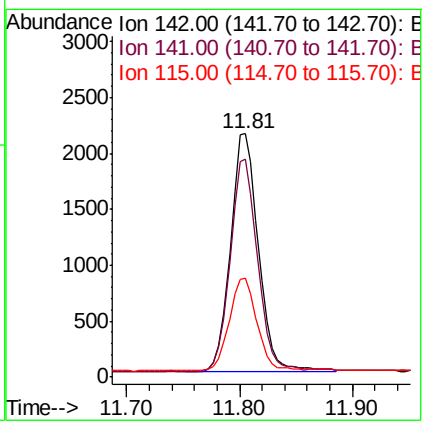


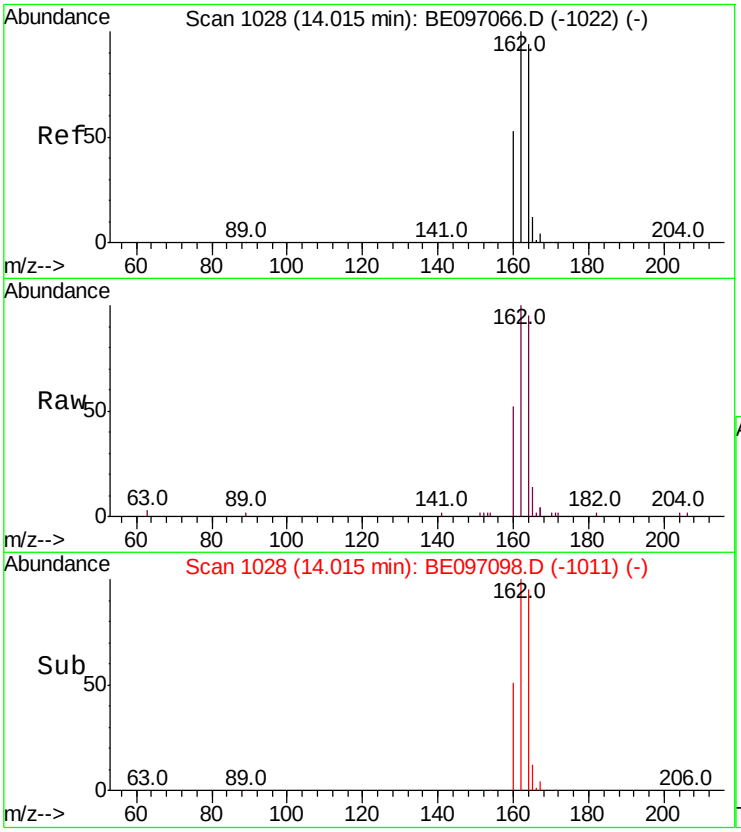


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:142 Resp: 3655

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.4	105.6
115	40.5	31.7	47.5



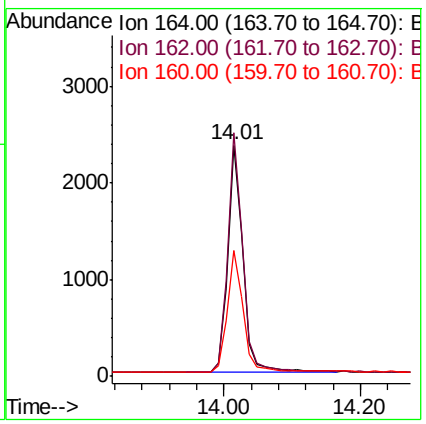


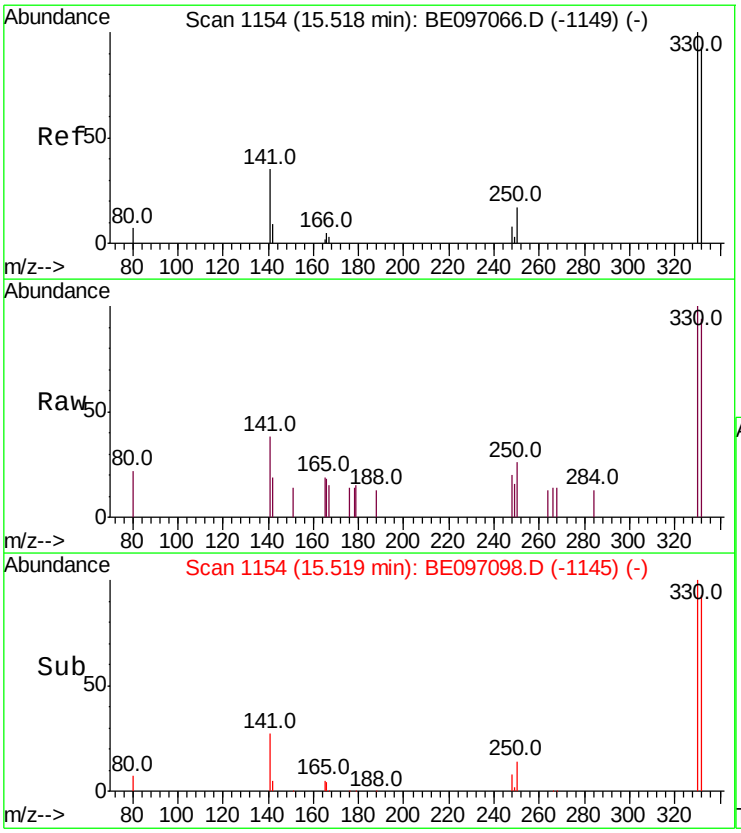
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:164 Resp: 3652

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.1	124.7
160	54.5	37.1	55.7

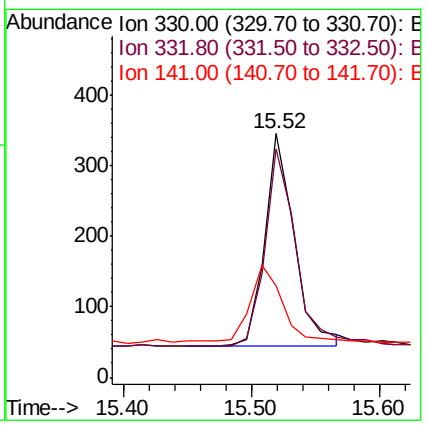


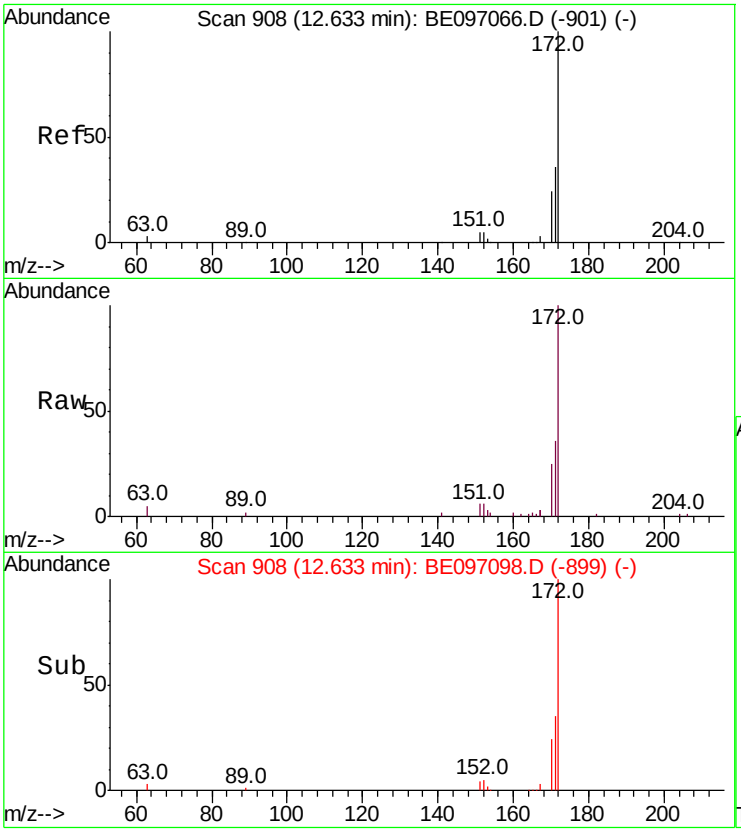


#14
2,4,6-Tribromophenol
Concen: 0.405 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:330 Resp: 487

Ion	Ratio	Lower	Upper
330	100		
332	96.1	152.7	229.1#
141	41.1	33.7	50.5



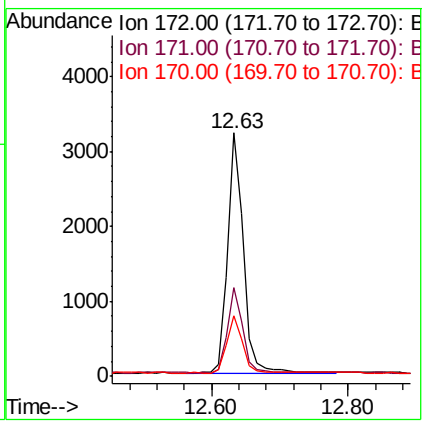


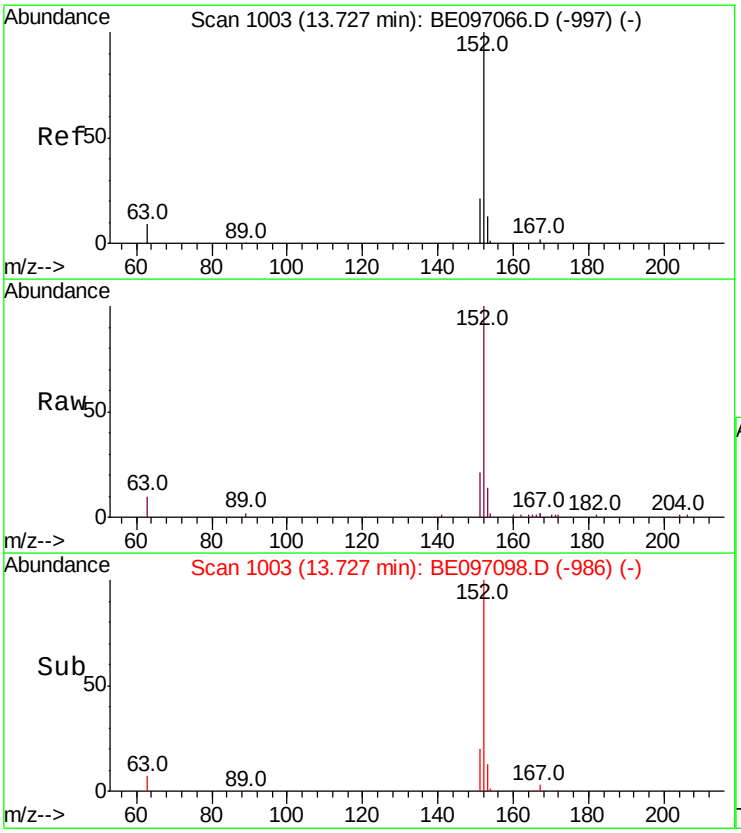
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:172 Resp: 5263

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.9	44.9
170	24.9	21.8	32.8

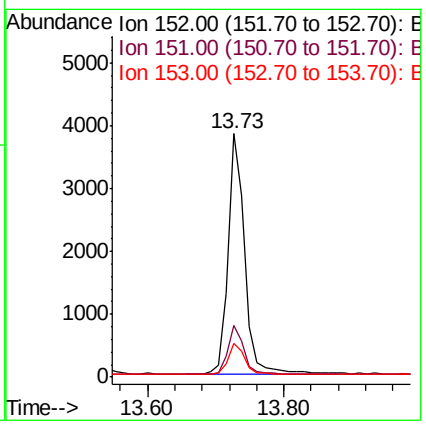


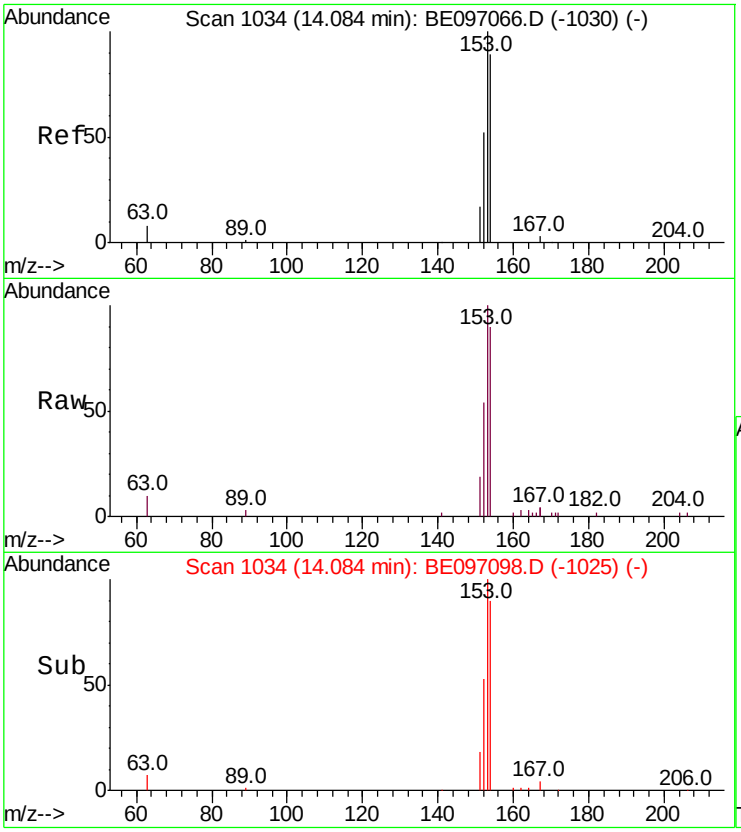


#16
Acenaphthylene
Concen: 0.399 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:152 Resp: 6537

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.8	10.5	15.7



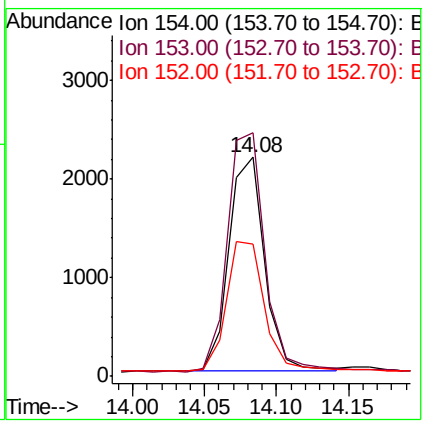


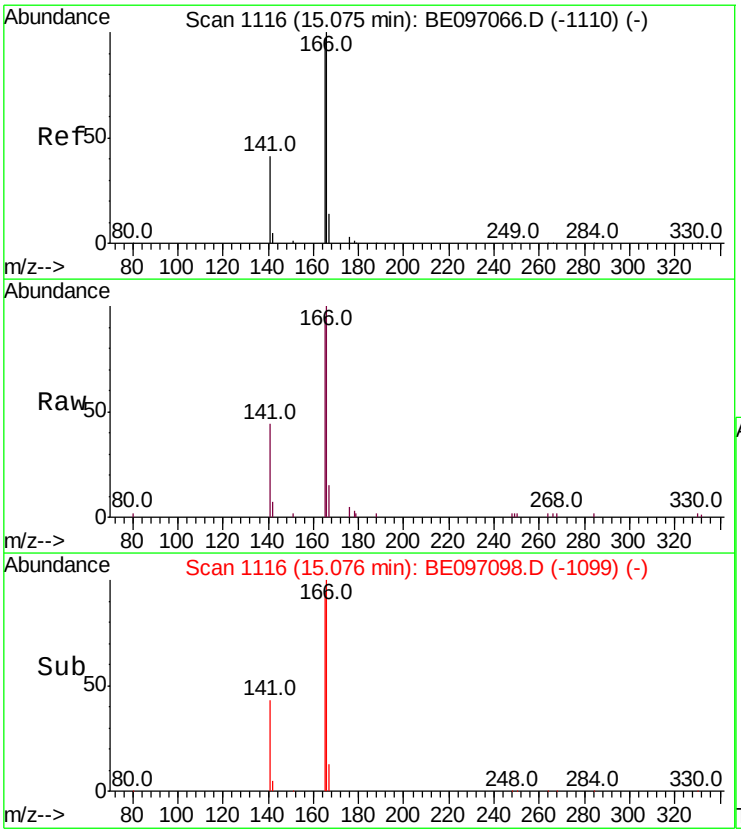
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:154 Resp: 3780

Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.2	133.8
152	63.8	42.0	63.0#

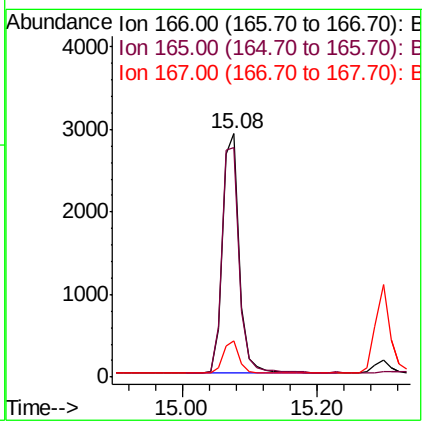


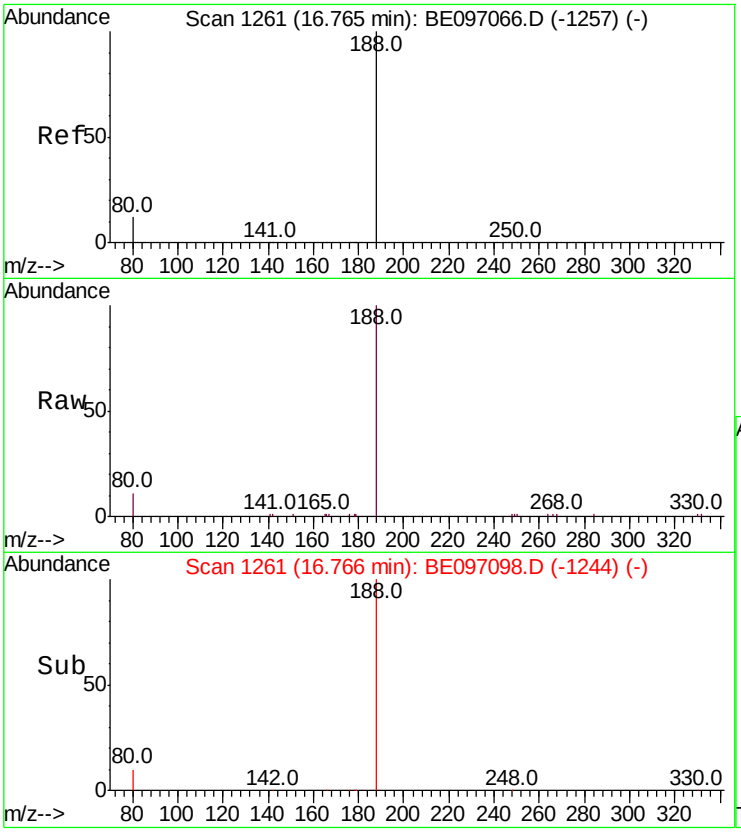


#18
Fluorene
Concen: 0.406 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:166 Resp: 5108

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	13.2	42.4	63.6#



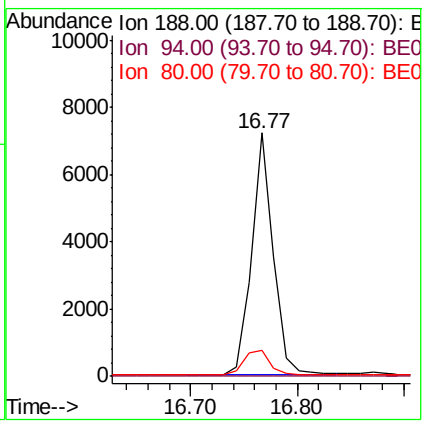


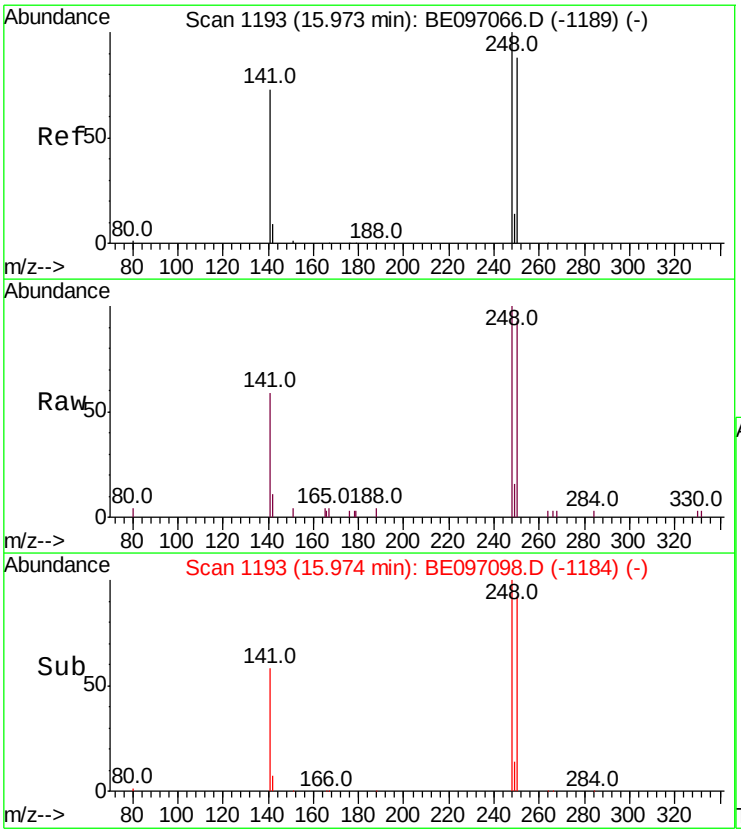
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:188 Resp: 10084

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.5	3.6	5.4#

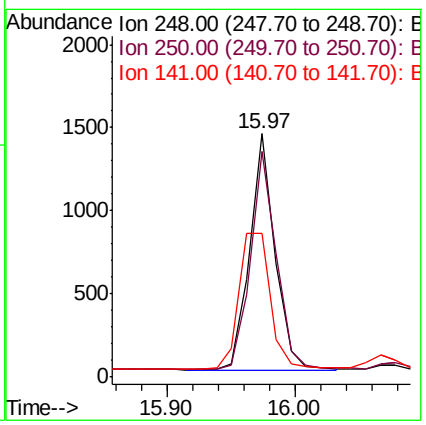


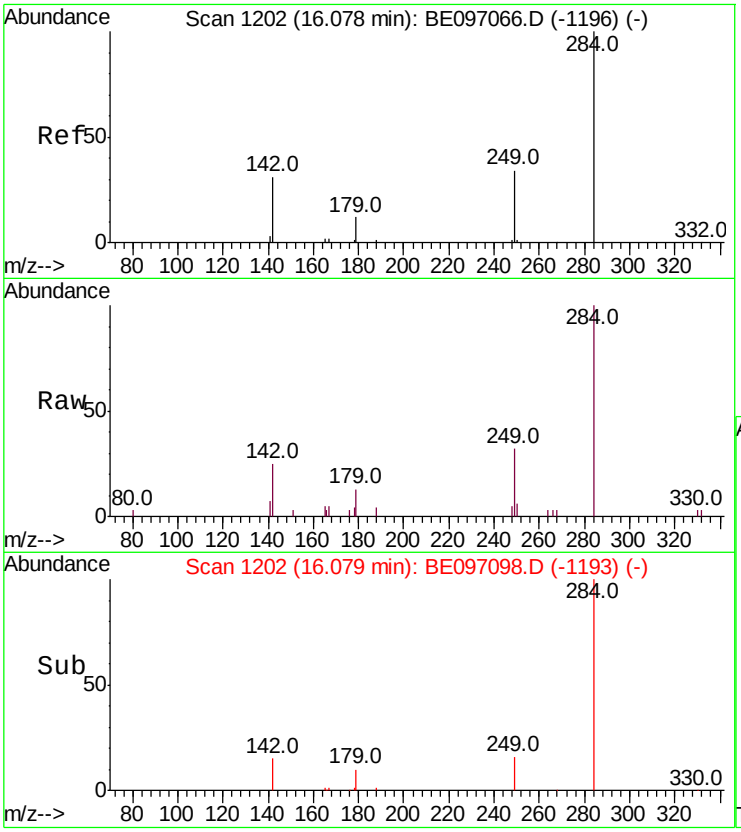


#20
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:248 Resp: 1952

Ion	Ratio	Lower	Upper
248	100		
250	92.6	62.7	94.1
141	59.2	48.2	72.2



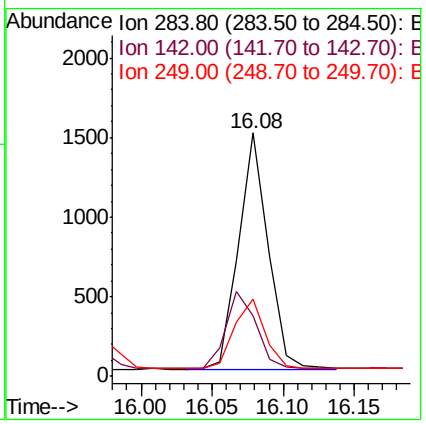


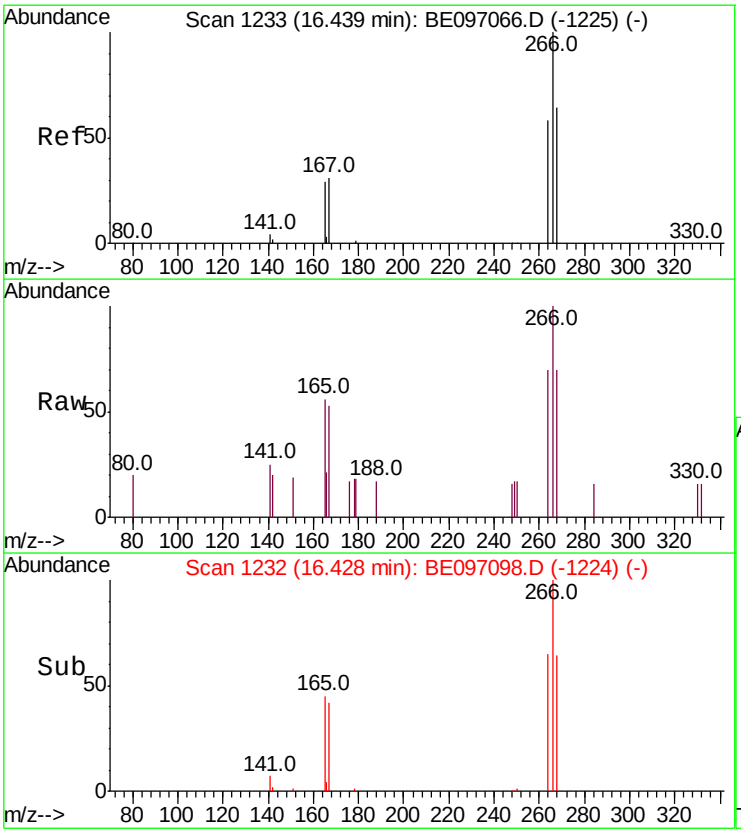
#21
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:284 Resp: 2131

Ion	Ratio	Lower	Upper
284	100		
142	34.7	22.1	33.1#
249	30.6	34.8	52.2#

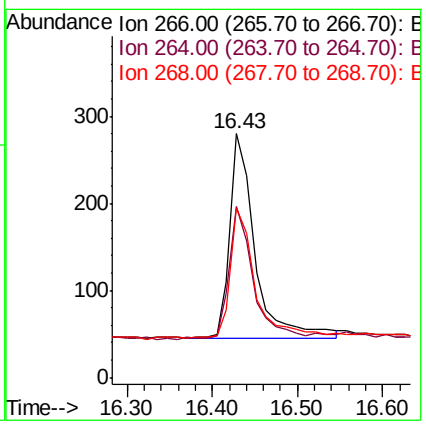


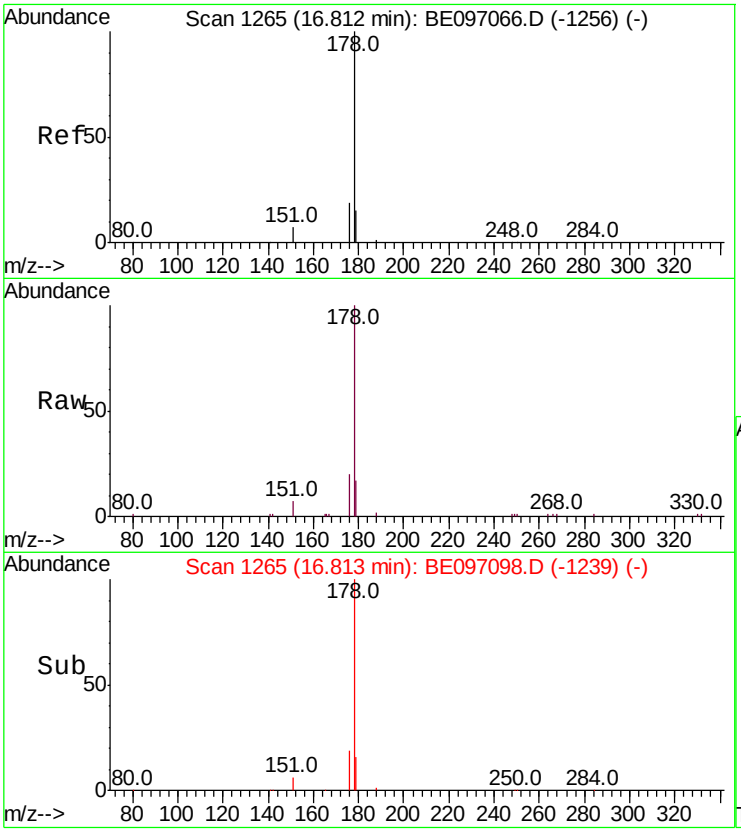


#22
Pentachlorophenol
Concen: 0.396 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:266 Resp: 483

Ion	Ratio	Lower	Upper
266	100		
264	70.0	72.5	108.7#
268	69.6	73.8	110.6#



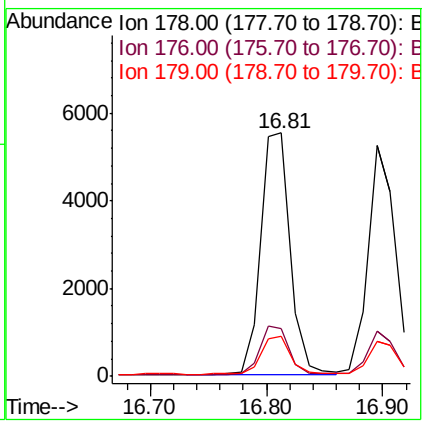


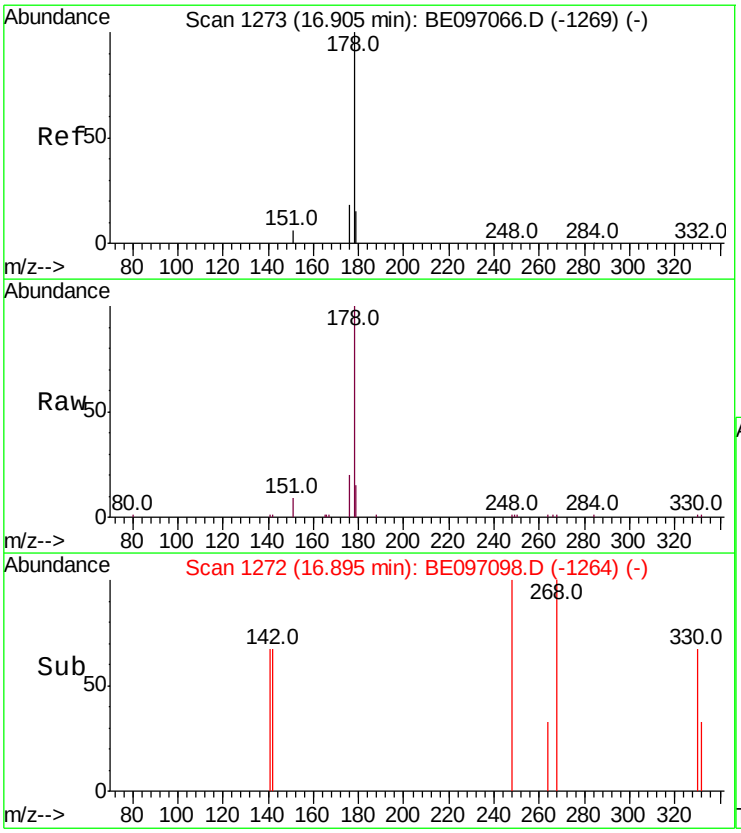
#23
Phenanthrene
Concen: 0.401 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:178 Resp: 9648

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.4	11.8	17.6

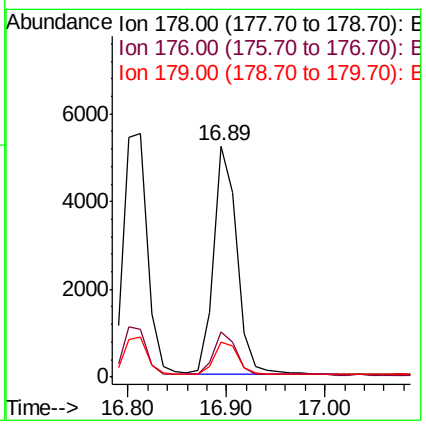


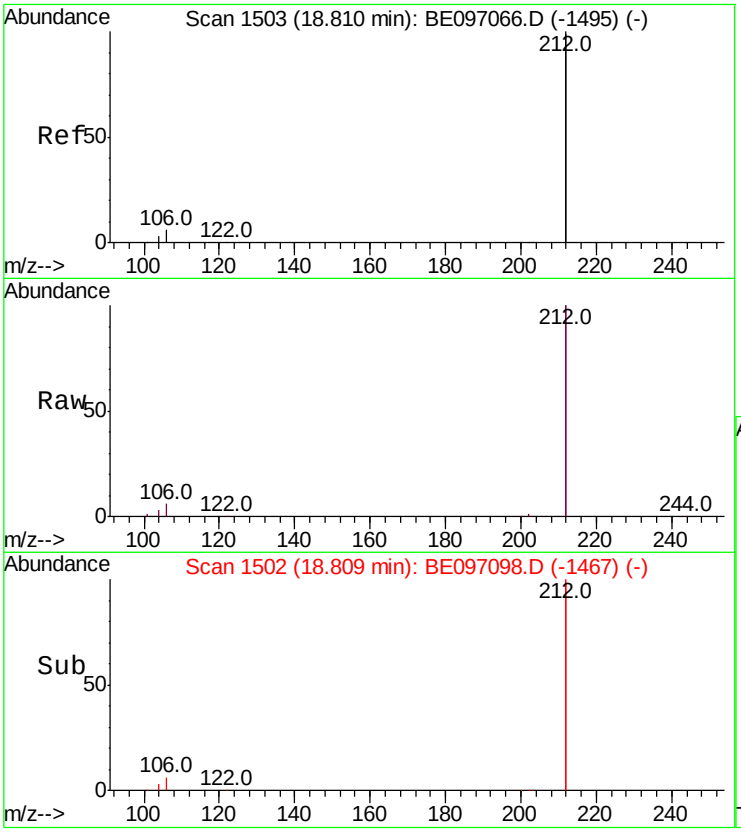


#24
Anthracene
Concen: 0.394 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:178 Resp: 8470

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	15.1	13.0	19.6



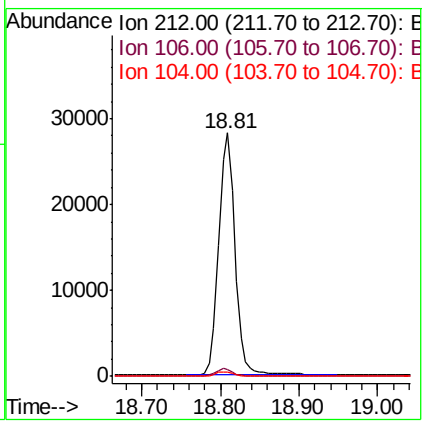


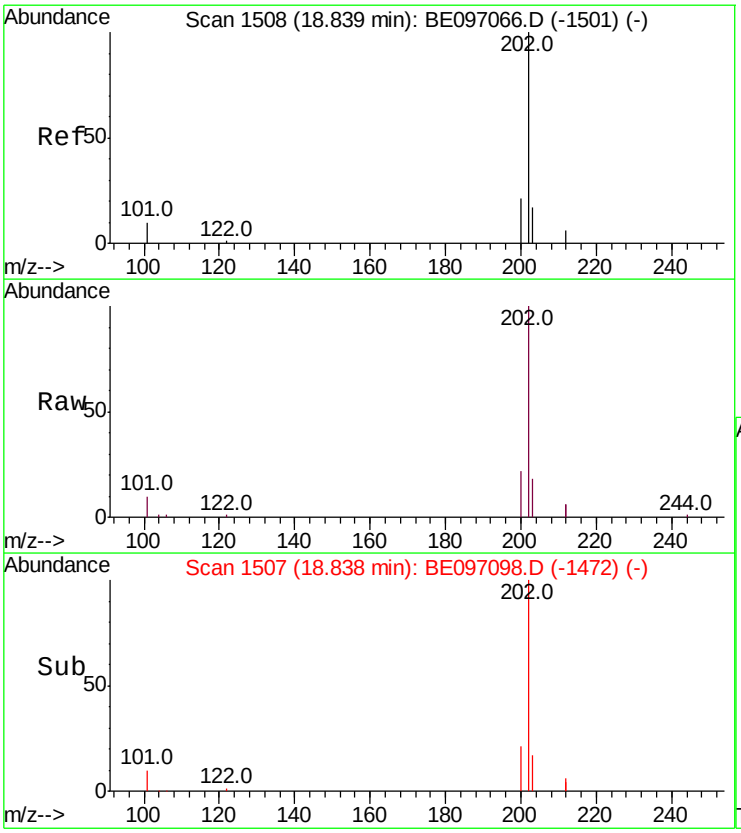
#25
Fluoranthene-d10
Concen: 0.400 ng
RT: 18.81 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:212 Resp: 40387

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.7	1.6	2.4

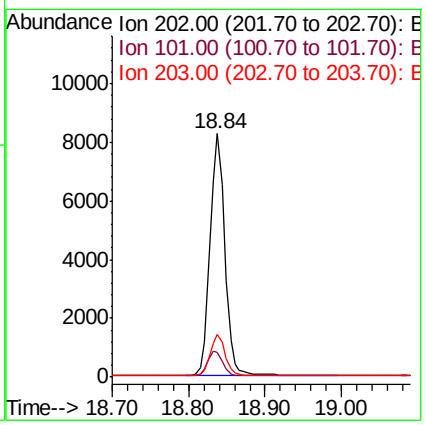


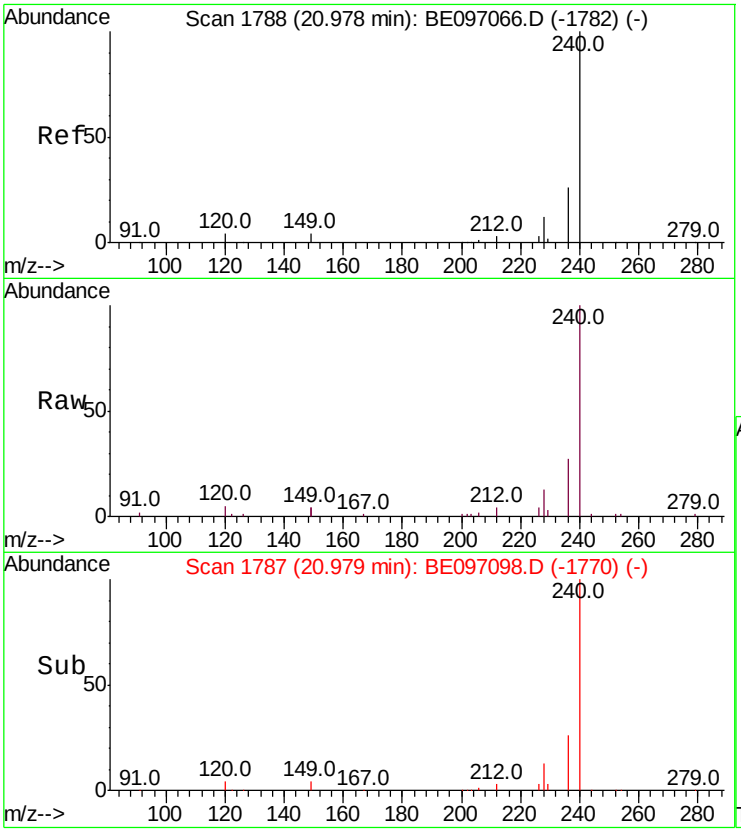


#26
Fluoranthene
Concen: 0.407 ng
RT: 18.84 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:202 Resp: 10983

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.1	13.7	20.5



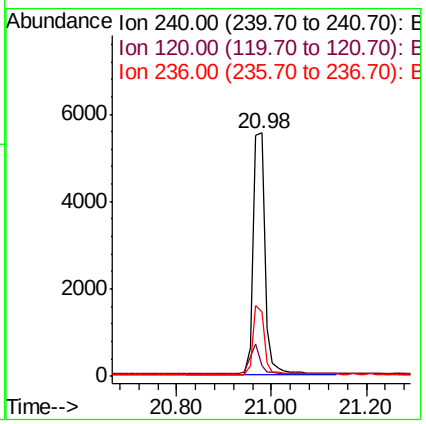


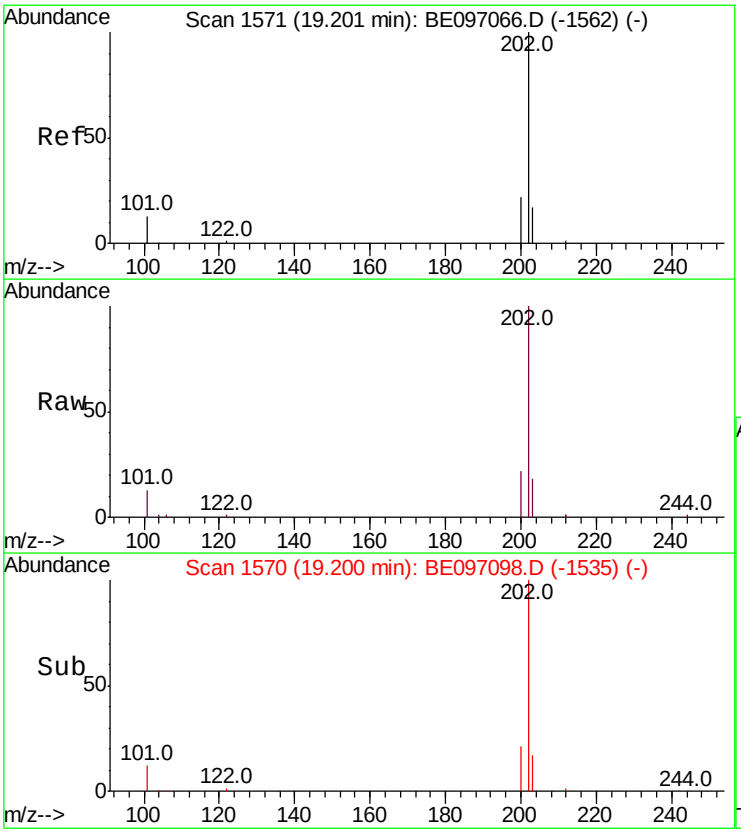
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:240 Resp: 9729

Ion	Ratio	Lower	Upper
240	100		
120	4.6	5.5	8.3#
236	26.7	20.7	31.1

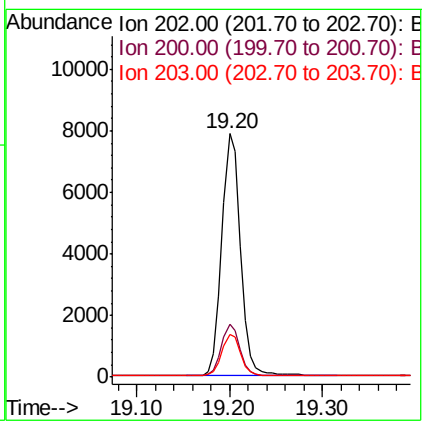


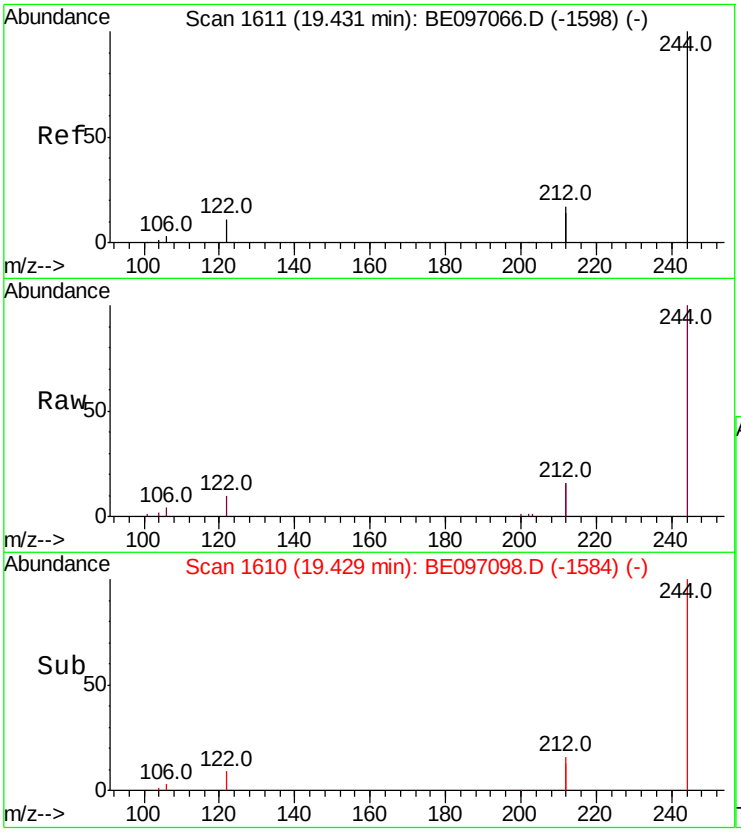


#28
Pyrene
Concen: 0.410 ng
RT: 19.20 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:202 Resp: 10949

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.4	13.8	20.8



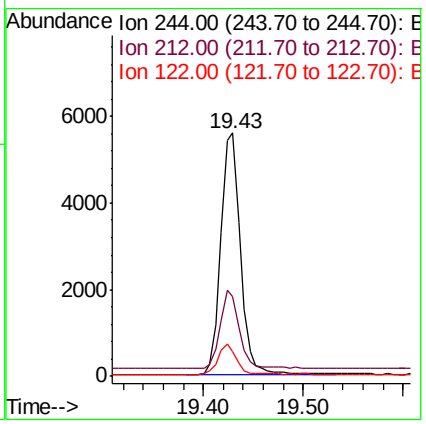


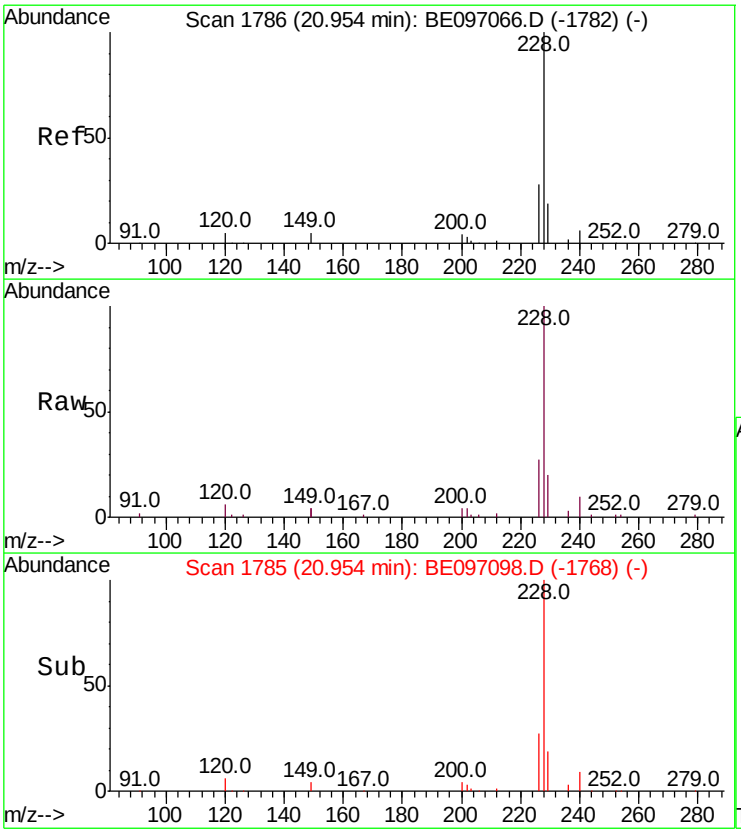
#29
Terphenyl-d14
Concen: 0.405 ng
RT: 19.43 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:244 Resp: 7575

Ion	Ratio	Lower	Upper
244	100		
212	32.6	25.4	38.0
122	9.9	8.1	12.1

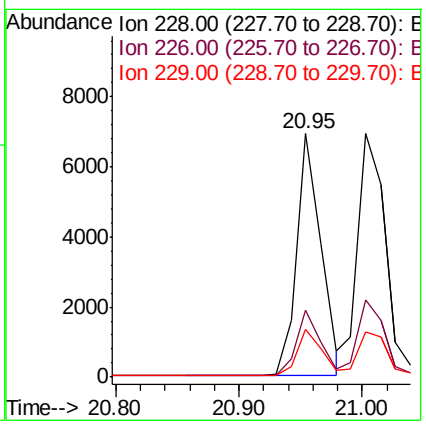


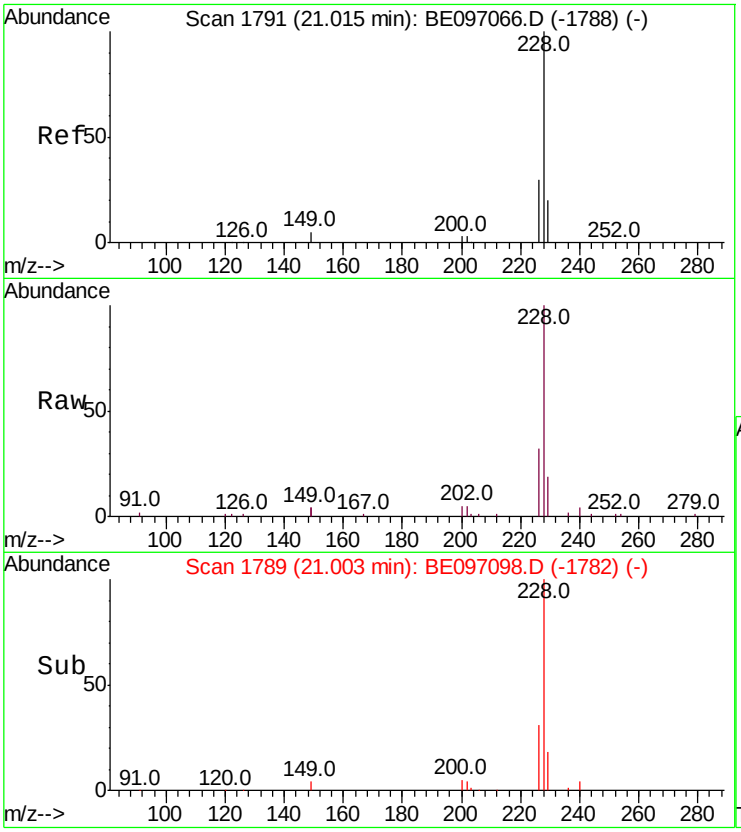


#30
Benzo(a)anthracene
Concen: 0.390 ng
RT: 20.95 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:228 Resp: 9439

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	19.6	16.0	24.0



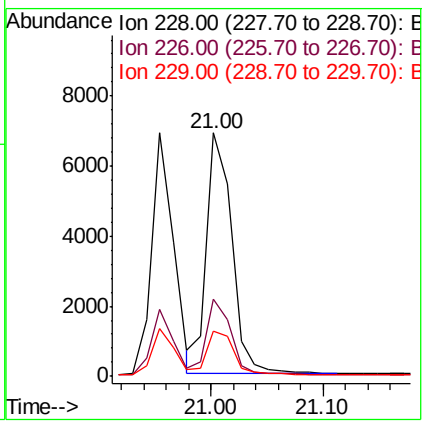


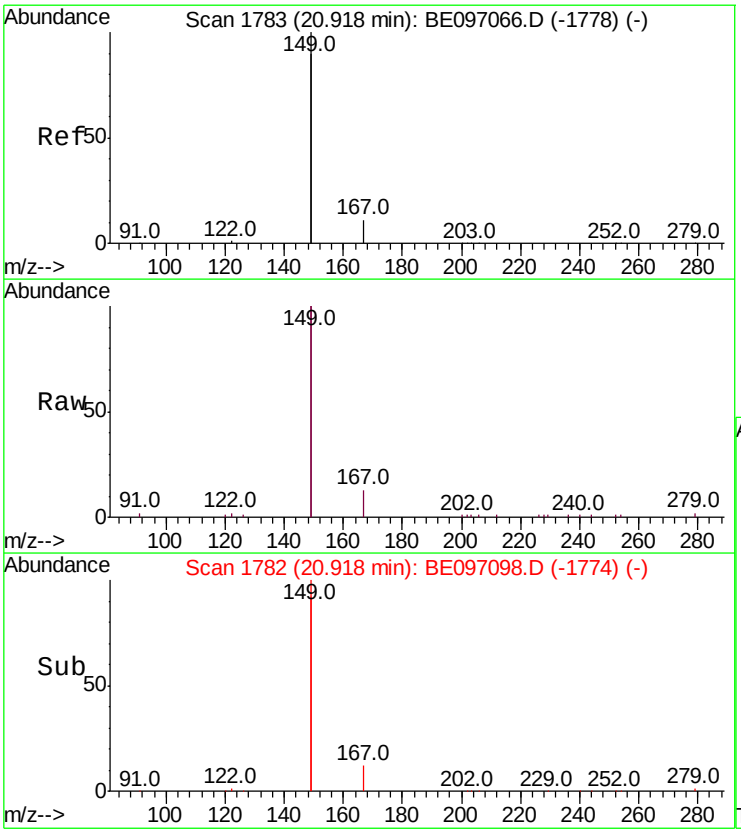
#31
Chrysene
Concen: 0.410 ng
RT: 21.00 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:228 Resp: 10646

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	18.6	16.0	24.0

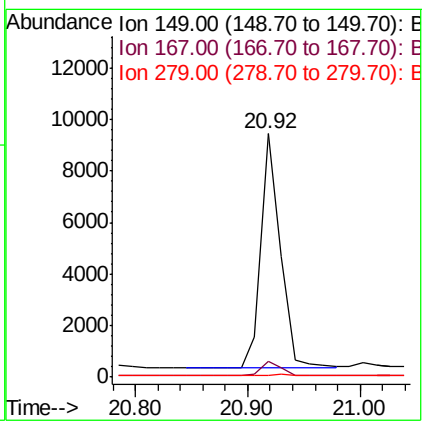


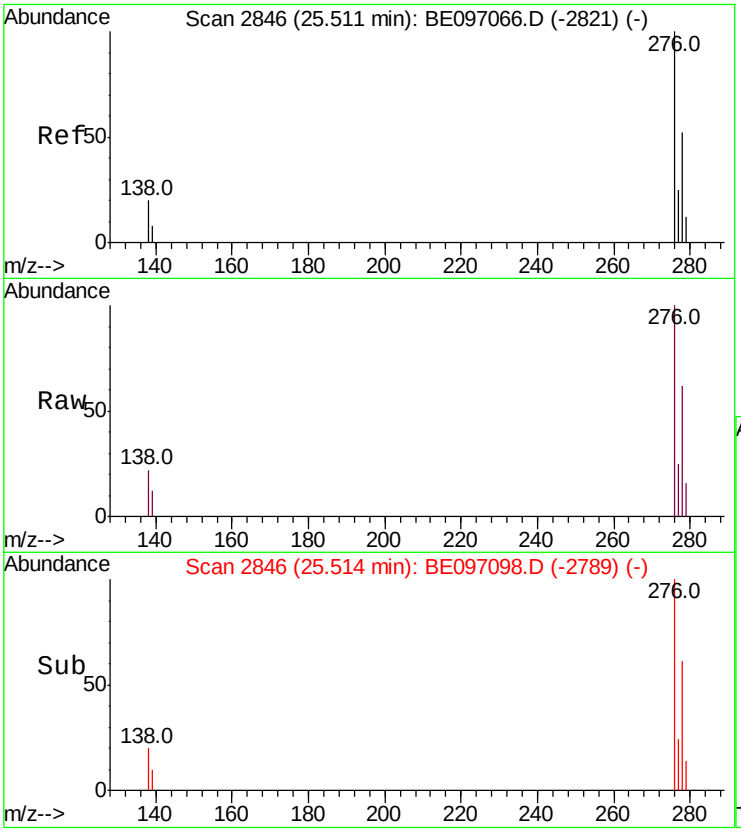


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.432 ng
RT: 20.92 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:149 Resp: 11069

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1



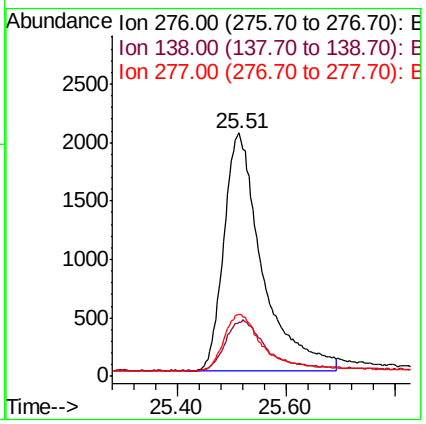


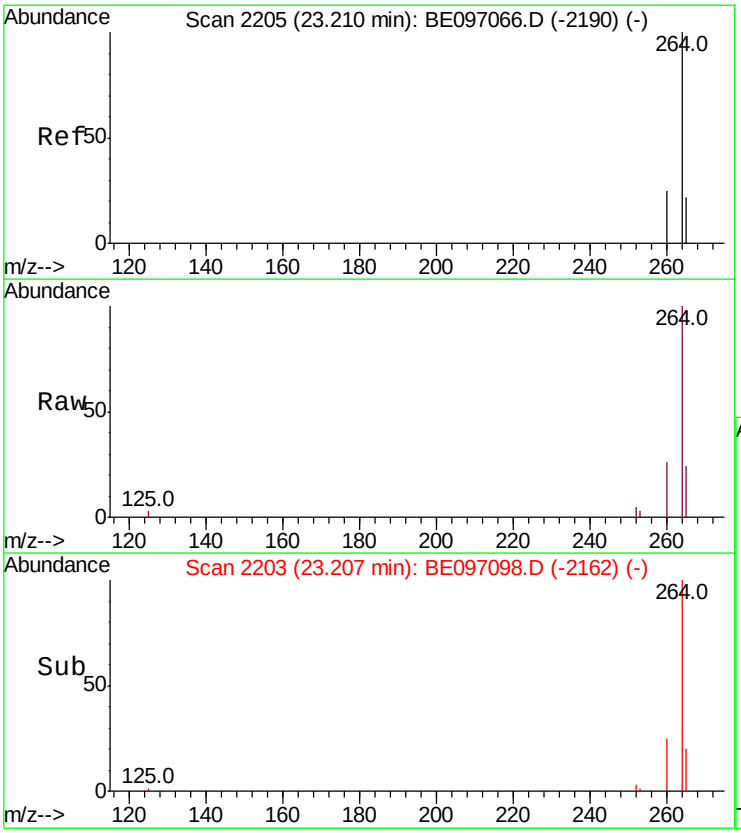
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.428 ng
RT: 25.51 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:276 Resp: 10057

Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.5	33.7#
277	24.8	19.9	29.9

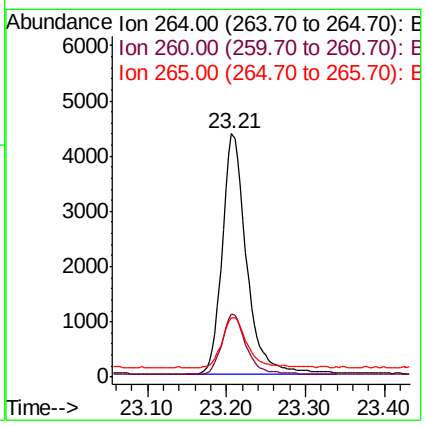


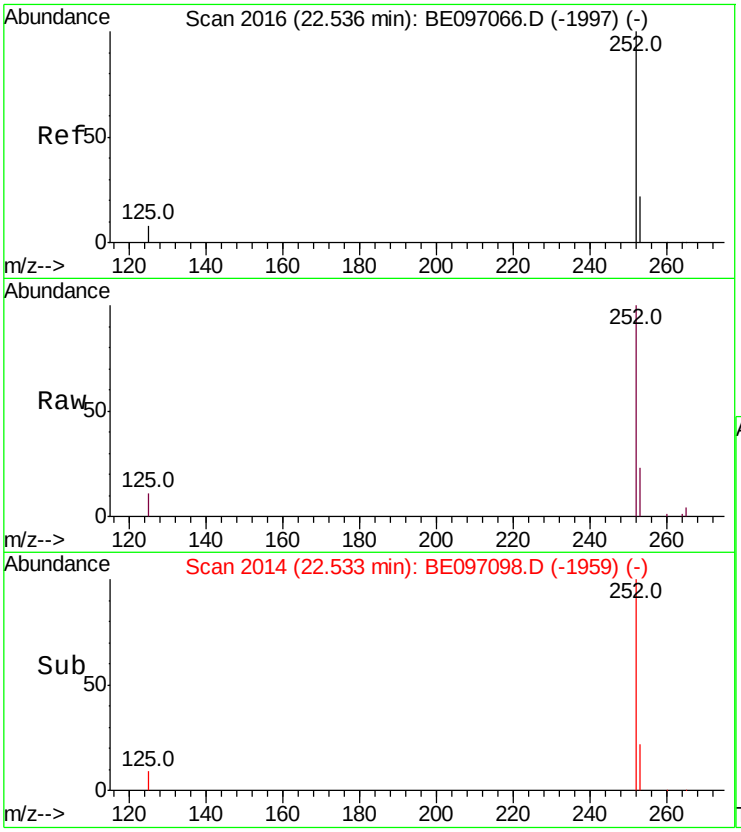


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:264 Resp: 9344

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	24.3	22.8	34.2



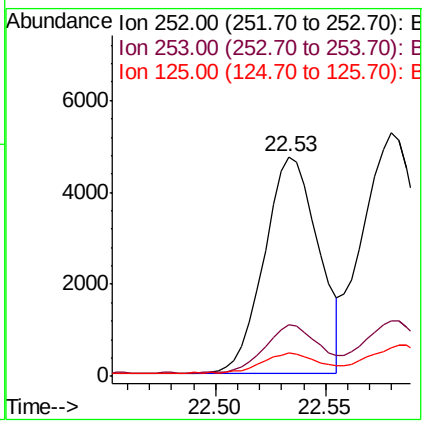


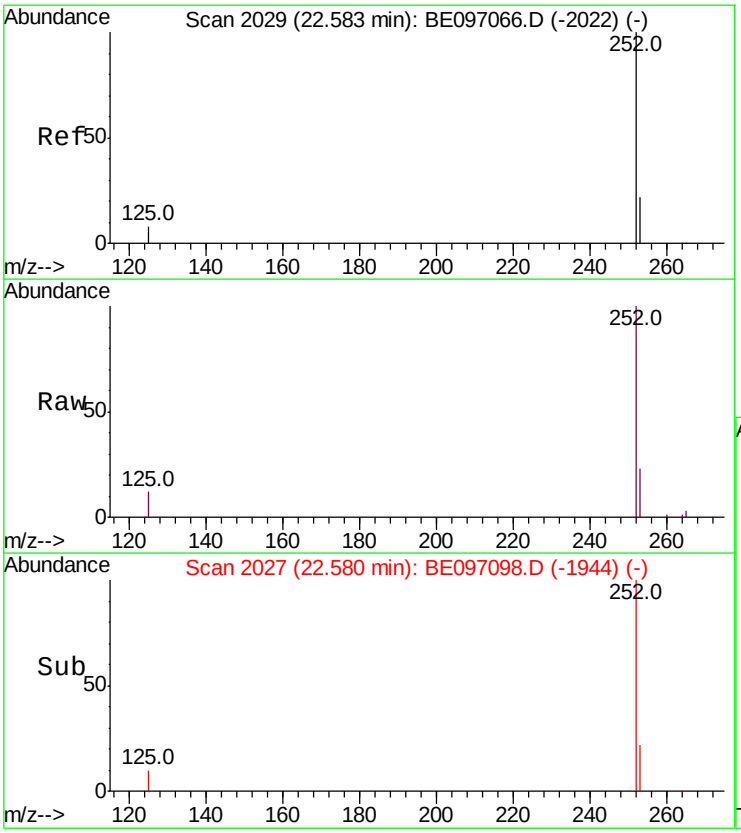
#35
Benzo(b)fluoranthene
Concen: 0.340 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:252 Resp: 8063

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.0	30.0
125	10.5	16.0	24.0#

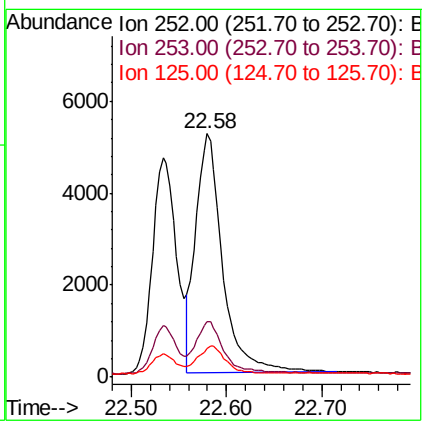


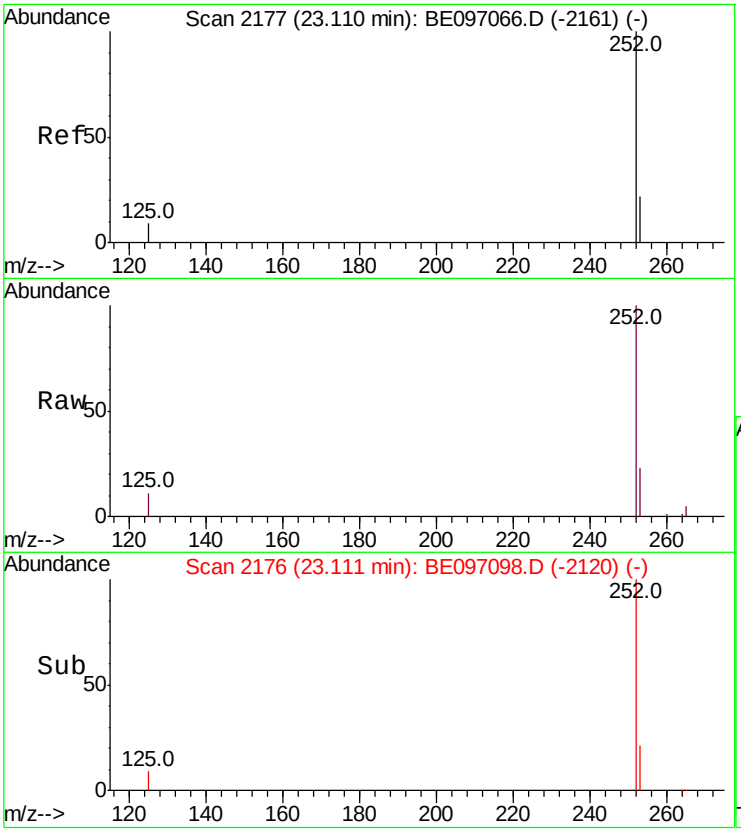


#36
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:252 Resp: 10294

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	11.7	8.0	12.0



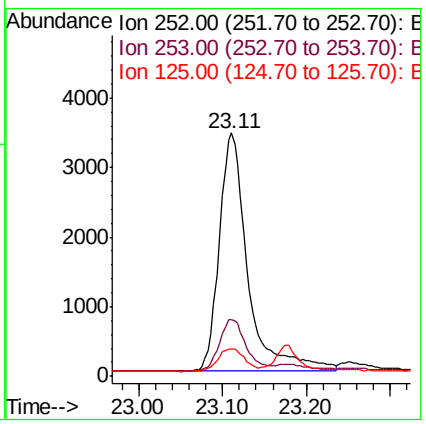


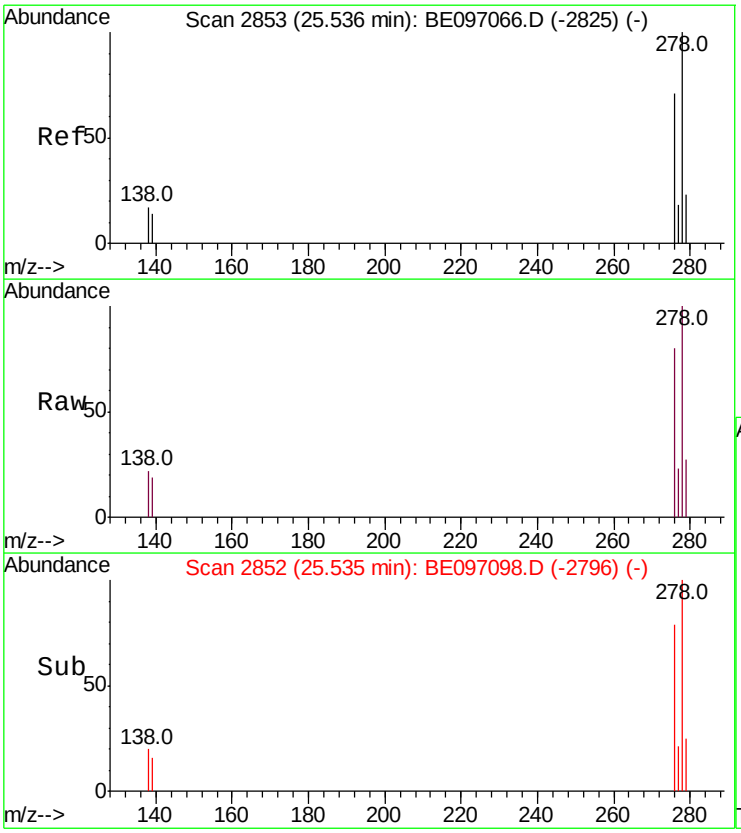
#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 23.11 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:252 Resp: 8128

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	11.4	12.0	18.0#

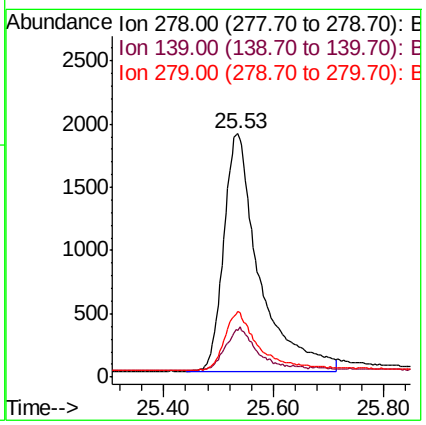


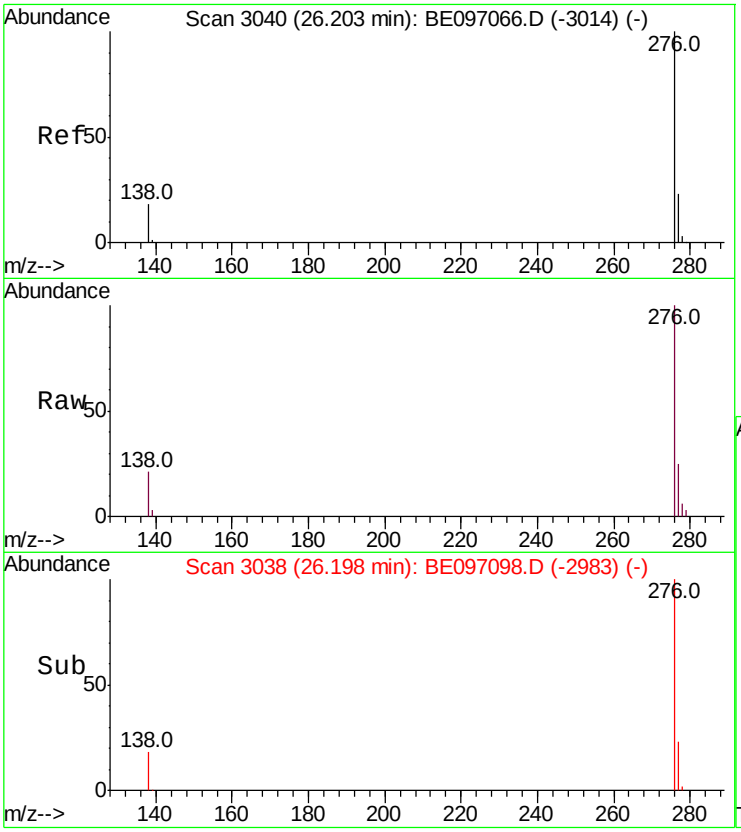


#38
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.53 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Tgt Ion:278 Resp: 8429

Ion	Ratio	Lower	Upper
278	100		
139	18.9	16.0	24.0
279	26.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.20 min Scan# 3038
Delta R.T. -0.00 min
Lab File: BE097098.D
Acq: 25 Jul 2018 8:14

Instrument :
BNA_E
ClientSampleId :
PB111338BS

Tgt Ion:276 Resp: 8546

Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0#
138	20.5	20.0	30.0