Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
Data File : BE097114.D
Acq On : 31 Jul 2018 9:54
Operator : SJ/JU
Sample : PB111580BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB111580BS

Quant Time: Jul 31 10:49:46 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 31 10:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1385	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	5534	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	2376	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	6047	0.40	ng		0.00
27) Chrysene-d12	20.98	240	6660	0.40	ng		0.00
34) Perylene-d12	23.21	264	5501	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1090	0.28	ng		0.00
5) Phenol-d6	6.60	99	1318	0.23	ng		0.00
8) Nitrobenzene-d5	8.52	82	1918	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	3577	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	155	0.20	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	4262	0.52	ng		0.00
25) Fluoranthene-d10	18.81	212	26732	0.44	ng		0.00
29) Terphenyl-d14	19.43	244	4433	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	869	0.395	ng	#	87
3) n-Nitrosodimethylamine	3.39	42	1188	0.483	ng	#	84
6) bis(2-Chloroethyl)ether	6.84	93	2987	0.573	ng	#	51
9) Naphthalene	10.20	128	22767	0.458	ng		100
10) Hexachlorobutadiene	10.48	225	1045	0.470	ng		96
12) 2-Methylnaphthalene	11.80	142	3383	0.397	ng		99
16) Acenaphthylene	13.73	152	4689	0.440	ng		100
17) Acenaphthene	14.08	154	2631	0.424	ng	#	87
18) Fluorene	15.07	166	3210	0.392	ng	#	78
20) 4-Bromophenyl-phenylether	15.97	248	1177	0.401	ng		87
21) Hexachlorobenzene	16.08	284	1339	0.425	ng	#	82
22) Pentachlorophenol	16.44	266	421	0.544	ng	#	77
23) Phenanthrene	16.81	178	6569	0.456	ng		98
24) Anthracene	16.90	178	5529	0.429	ng		95
26) Fluoranthene	18.84	202	8360	0.517	ng		98
28) Pyrene	19.20	202	7912	0.433	ng		99
30) Benzo(a)anthracene	20.95	228	7008	0.423	ng		98
31) Chrysene	21.01	228	7884	0.444	ng		98
32) Bis(2-ethylhexyl)phthalate	20.92	149	4632	0.267	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	5829	0.362	ng	#	90
35) Benzo(b)fluoranthene	22.54	252	5683	0.407	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	7842	0.481	ng		96
37) Benzo(a)pyrene	23.11	252	5538	0.422	ng		93
38) Dibenzo(a,h)anthracene	25.54	278	4662	0.356	ng		98
39) Benzo(g,h,i)perylene	26.21	276	5560	0.400	ng	#	91

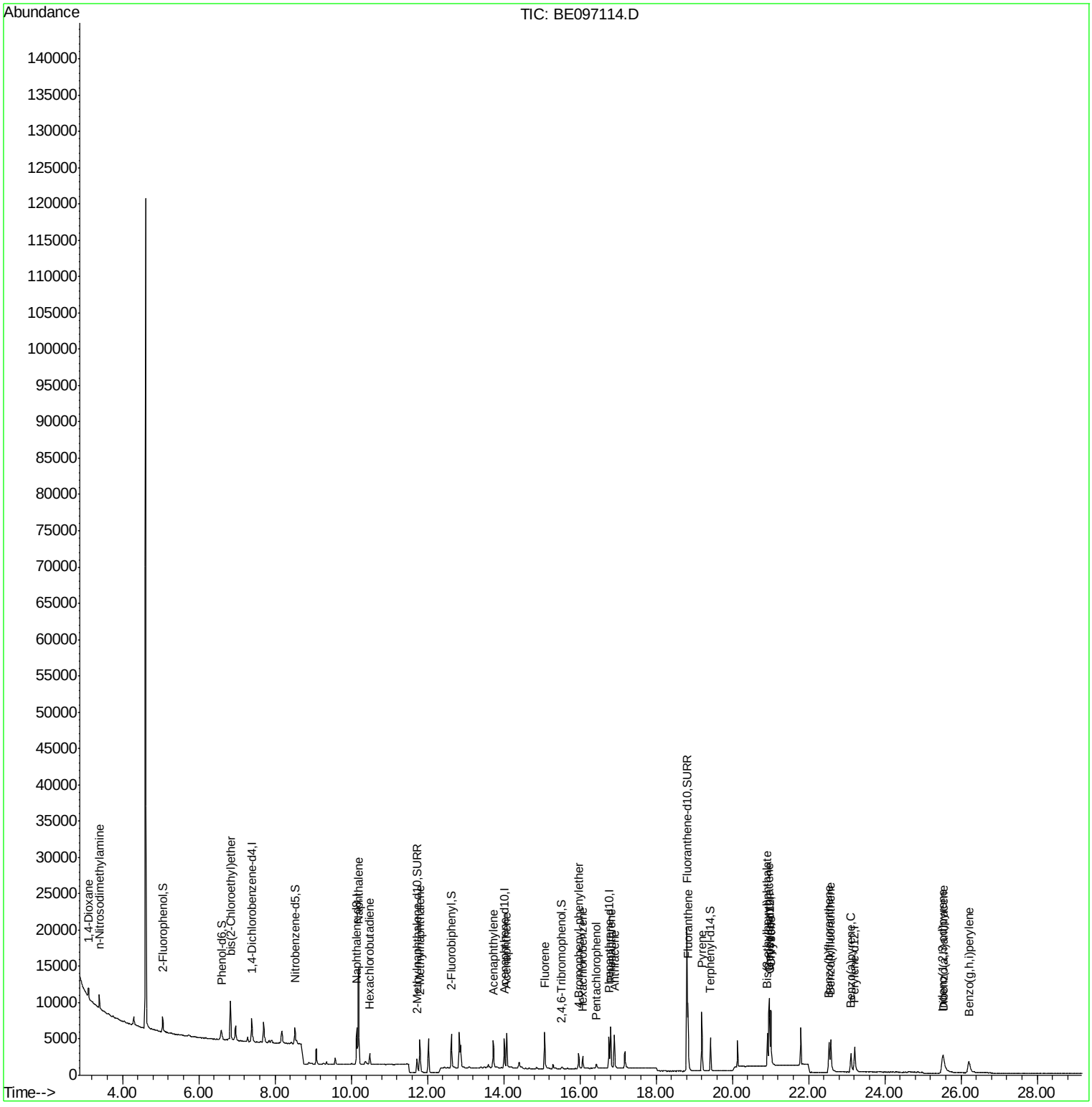
(#) = qualifier out of range (m) = manual integration (+) = signals summed

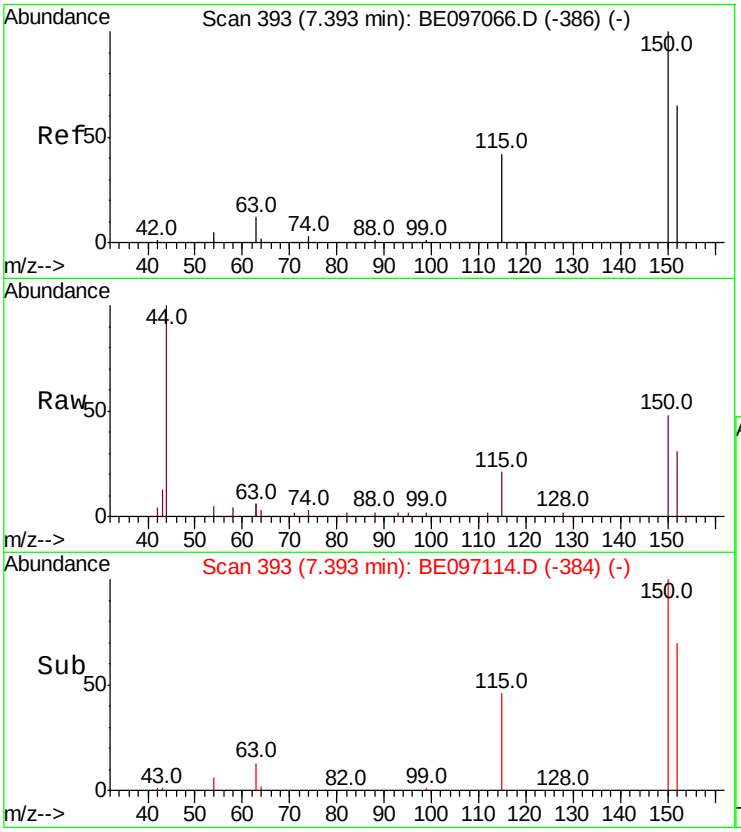
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
Data File : BE097114.D
Acq On : 31 Jul 2018 9:54
Operator : SJ/JU
Sample : PB111580BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Quant Time: Jul 31 10:49:46 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 31 10:49:28 2018
Response via : Initial Calibration



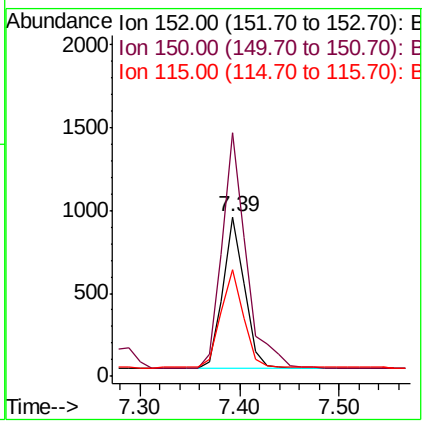


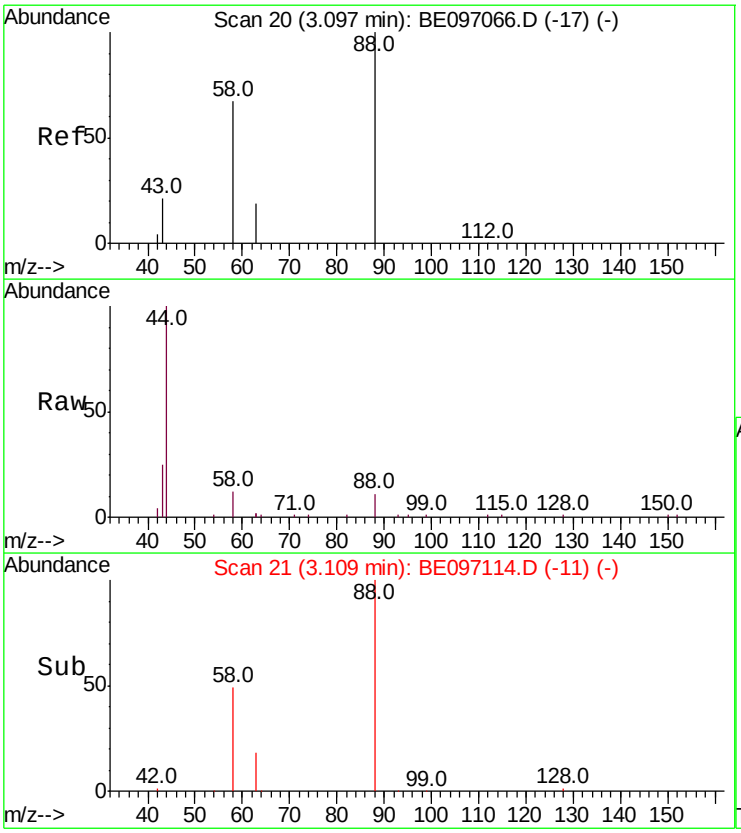
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:152 Resp: 1385

Ion	Ratio	Lower	Upper
152	100		
150	153.0	117.2	175.8
115	67.4	57.0	85.6

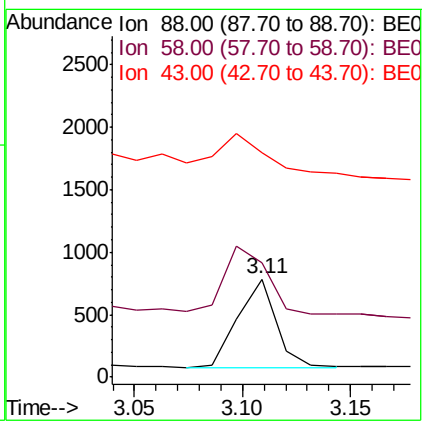


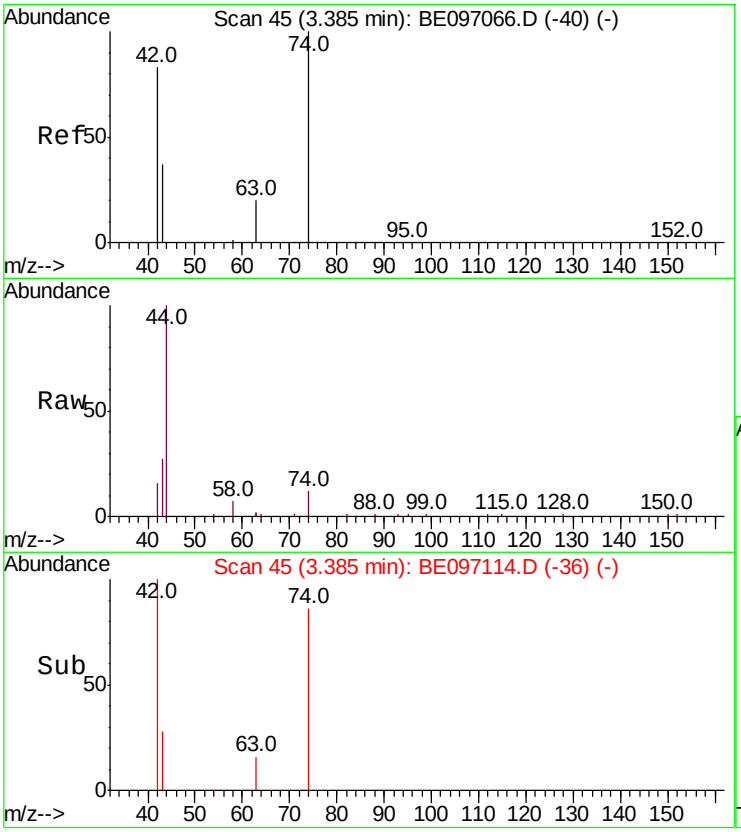


#2
1,4-Dioxane
Concen: 0.395 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion: 88 Resp: 869

Ion	Ratio	Lower	Upper
88	100		
58	84.9	63.2	94.8
43	66.5	41.2	61.8#



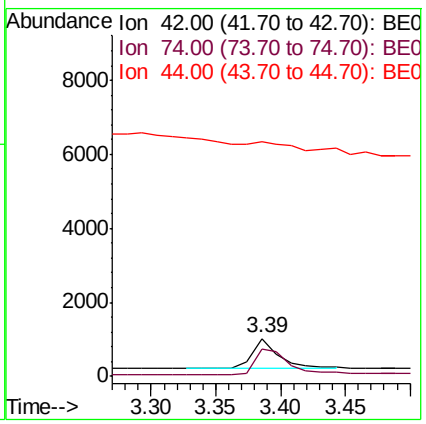


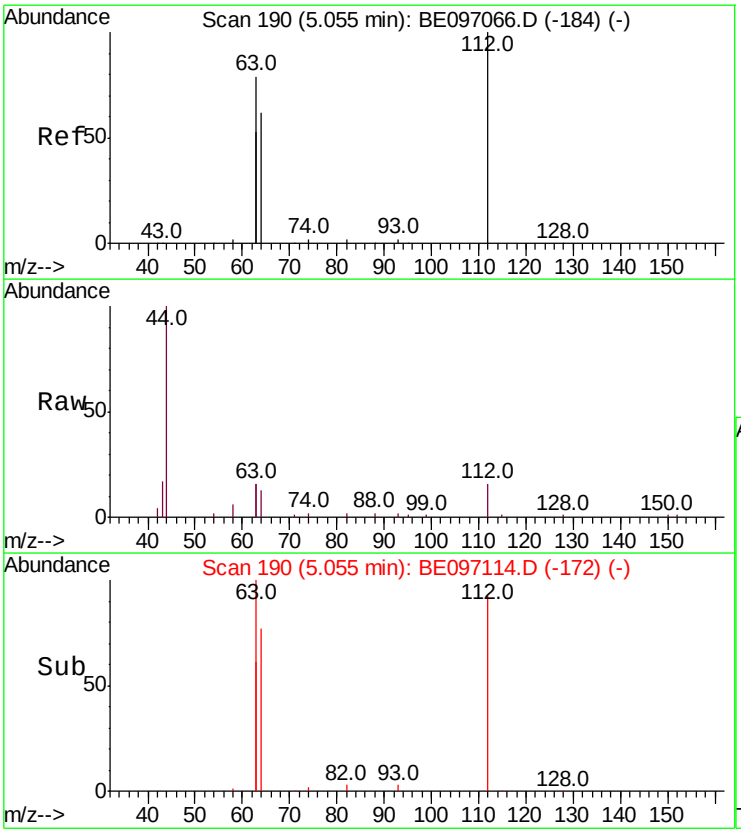
#3
n-Nitrosodimethylamine
Concen: 0.483 ng
RT: 3.39 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion: 42 Resp: 1188

Ion	Ratio	Lower	Upper
42	100		
74	105.0	96.0	144.0
44	0.0	12.0	18.0#

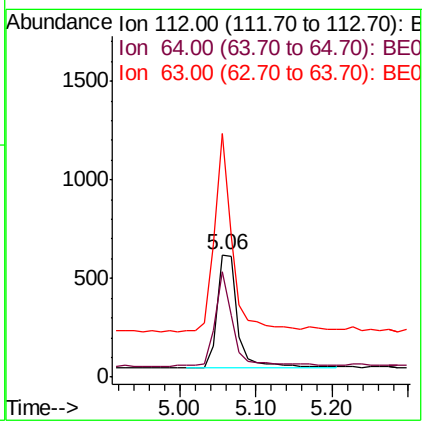


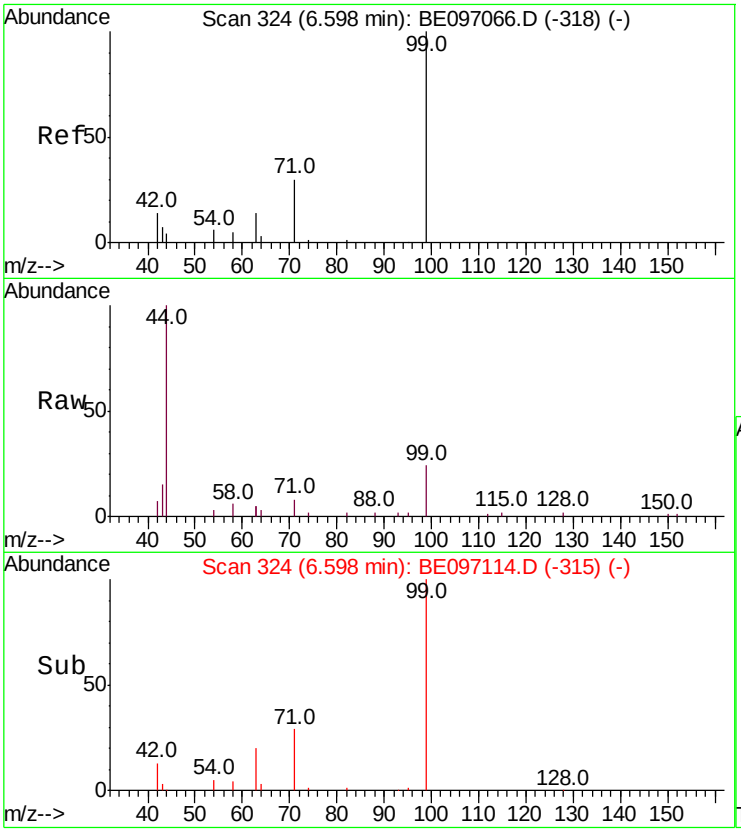


#4
2-Fluorophenol
Concen: 0.280 ng
RT: 5.06 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:112 Resp: 1090

Ion	Ratio	Lower	Upper
112	100		
64	72.9	60.1	90.1
63	146.1	116.8	175.2



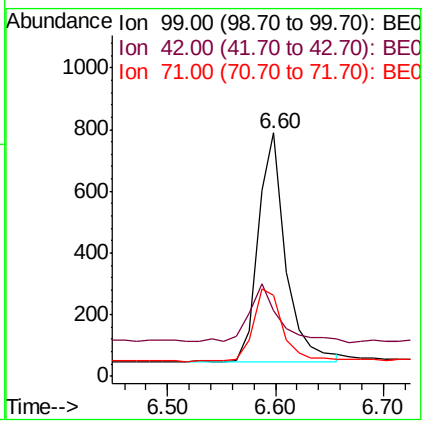


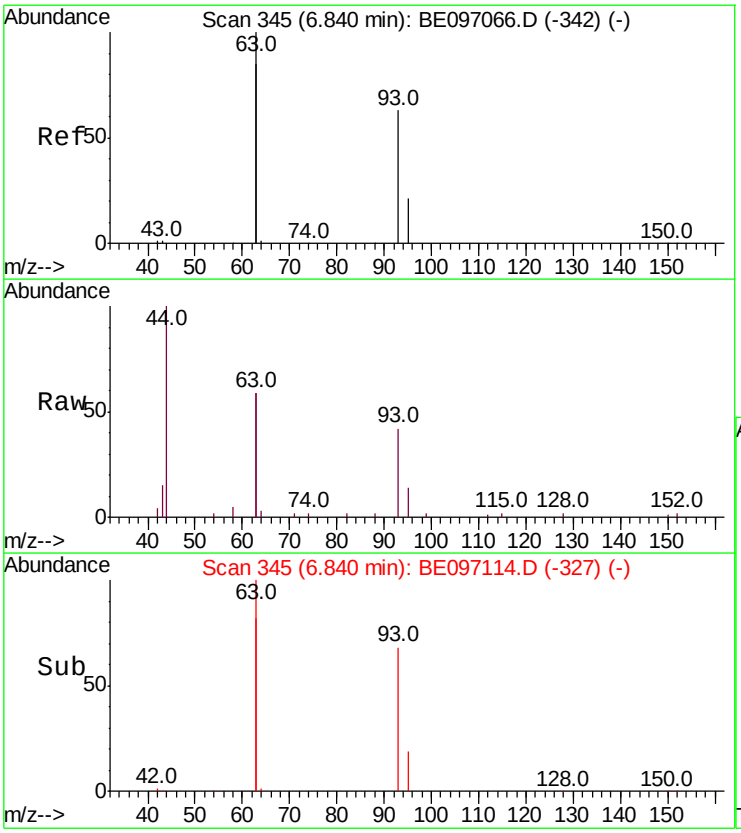
#5
Phenol-d6
Concen: 0.231 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion: 99 Resp: 1318

Ion	Ratio	Lower	Upper
99	100		
42	26.6	20.2	30.2
71	34.8	28.4	42.6

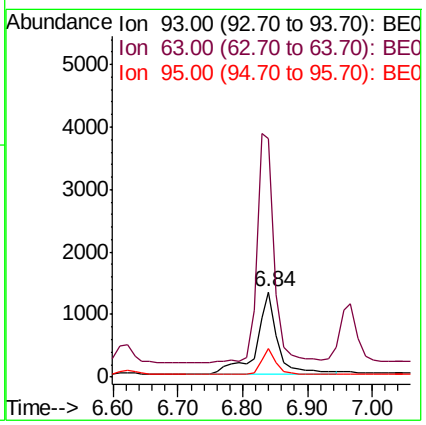


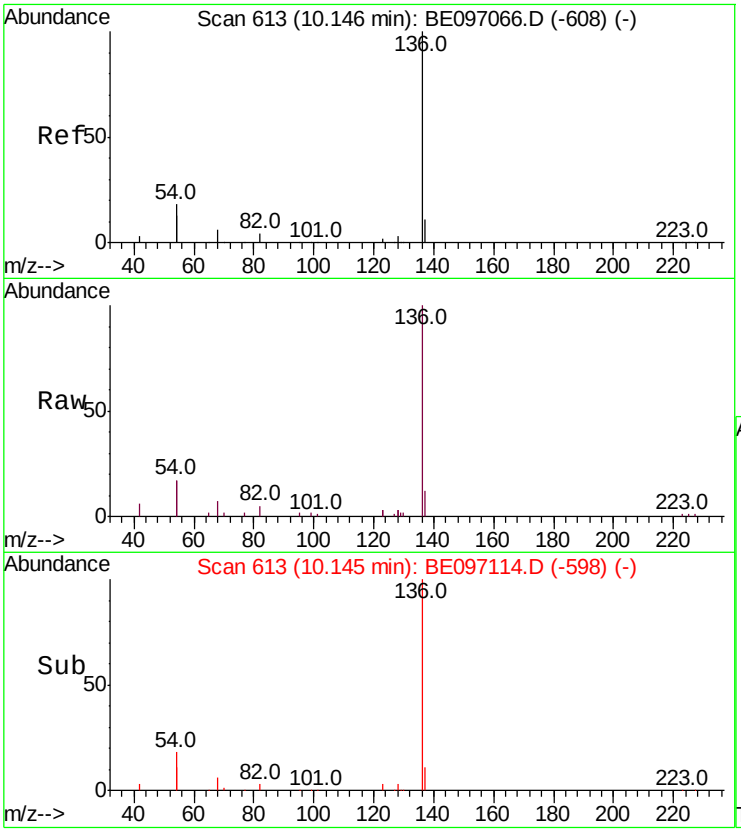


#6
bis(2-Chloroethyl)ether
Concen: 0.573 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion: 93 Resp: 2987

Ion	Ratio	Lower	Upper
93	100		
63	232.2	275.3	412.9#
95	20.6	25.2	37.8#



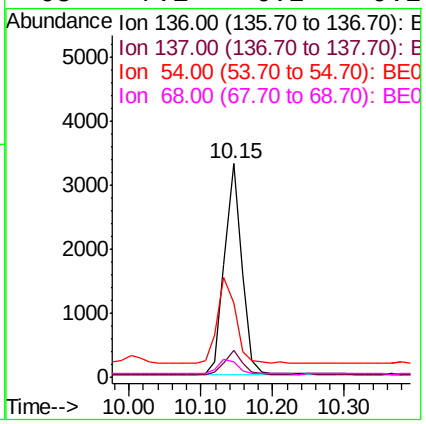


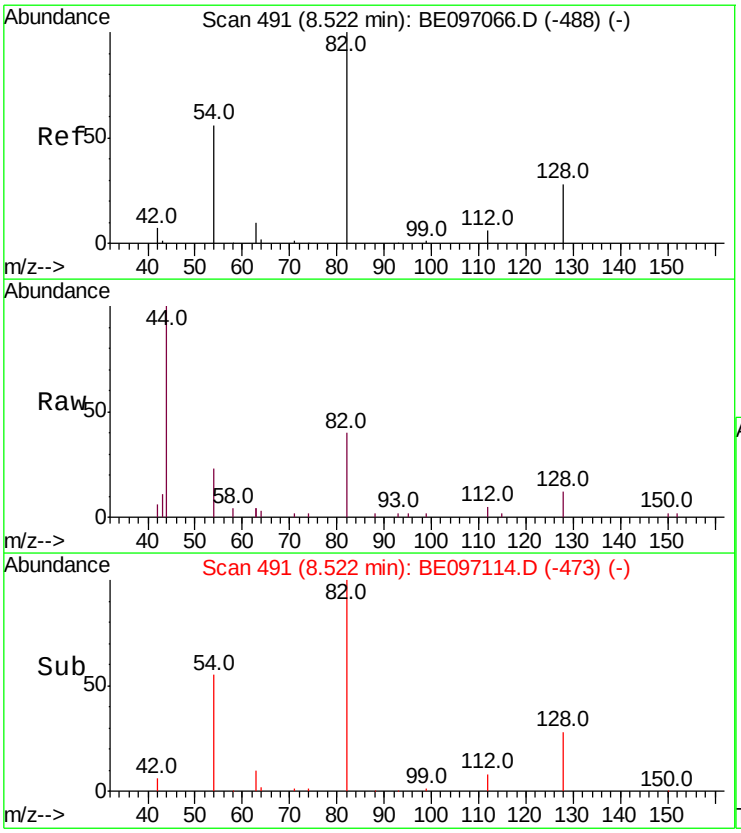
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:136 Resp: 5534

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	34.8	29.1	43.7
68	7.1	6.2	9.2

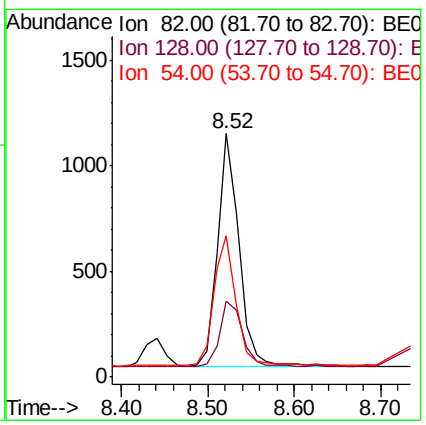


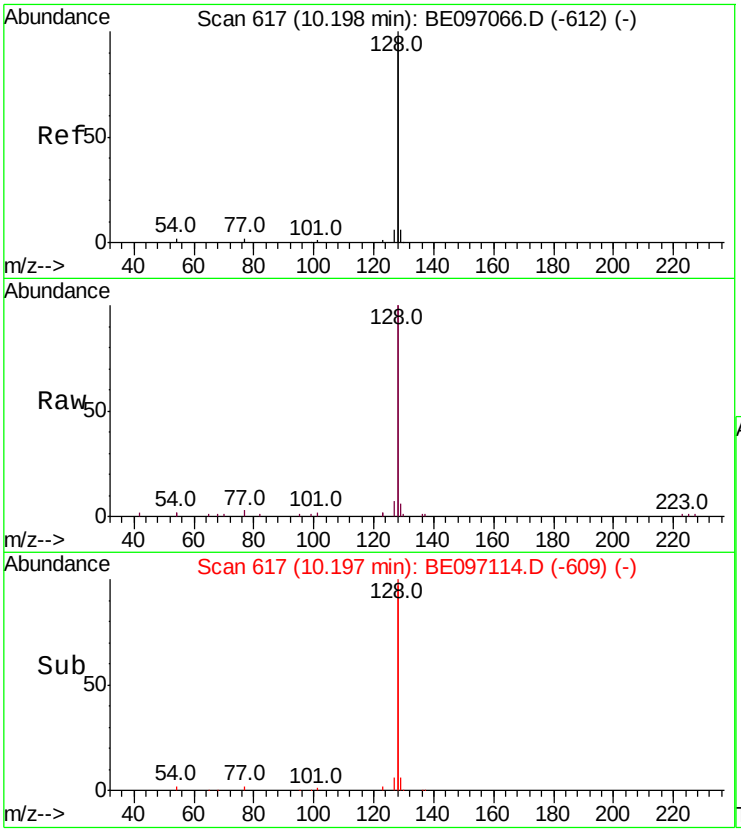


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion: 82 Resp: 1918

Ion	Ratio	Lower	Upper
82	100		
128	30.9	24.0	36.0
54	57.8	40.0	60.0



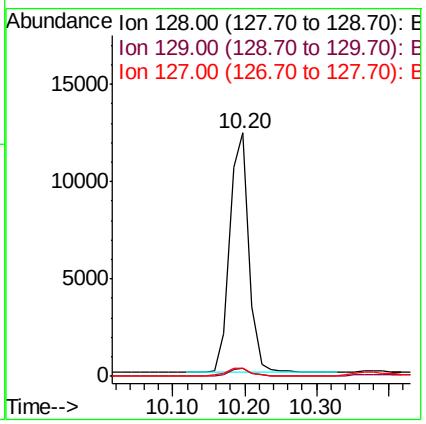


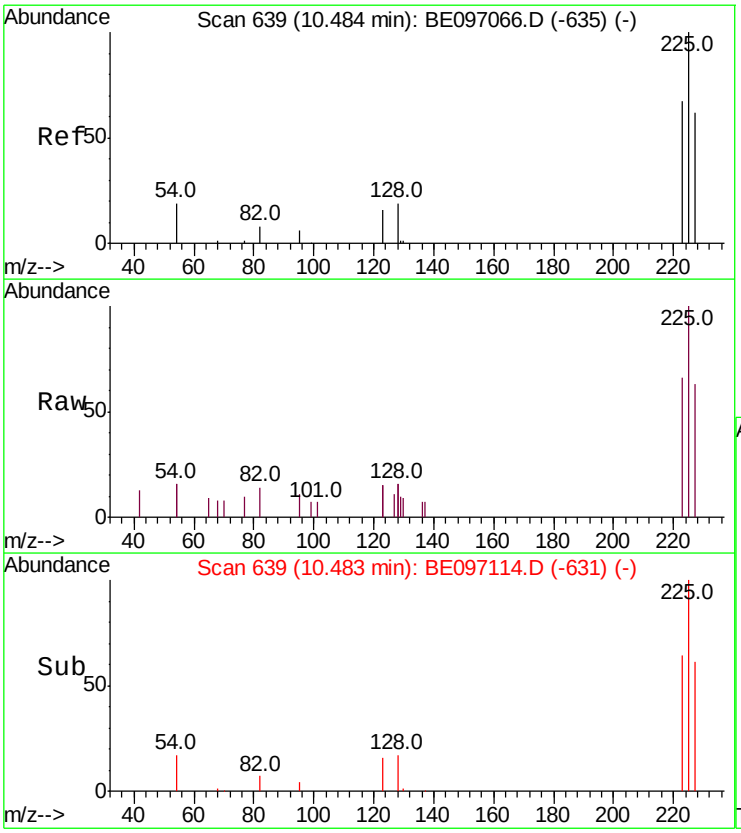
#9
Naphthalene
Concen: 0.458 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:128 Resp: 22767

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.3	2.8	4.2

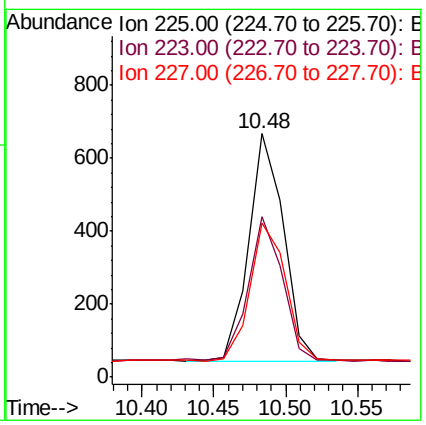


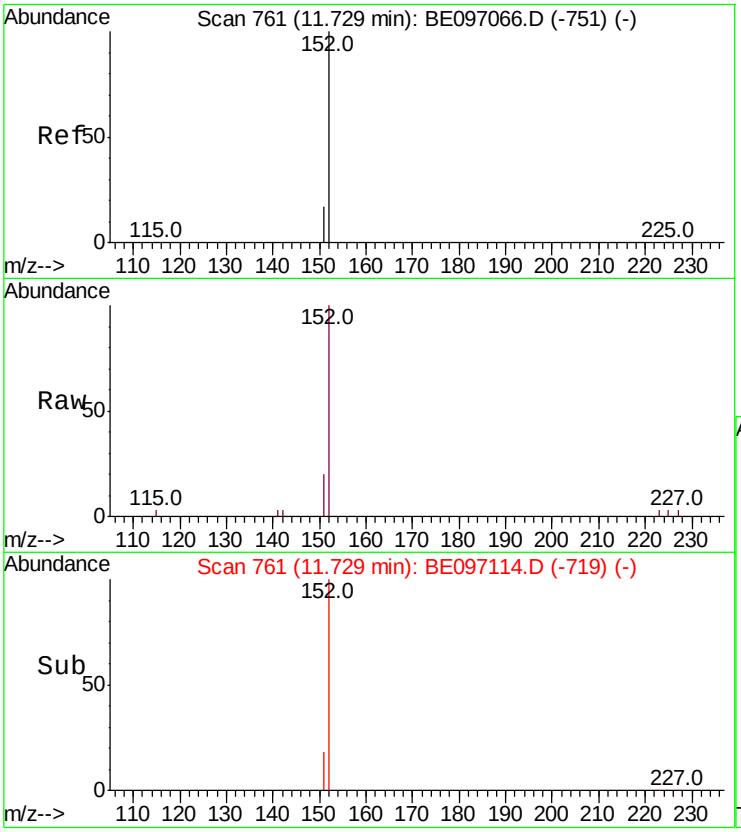


#10
Hexachlorobutadiene
Concen: 0.470 ng
RT: 10.48 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:225 Resp: 1045

Ion	Ratio	Lower	Upper
225	100		
223	61.7	53.0	79.6
227	62.0	51.4	77.2



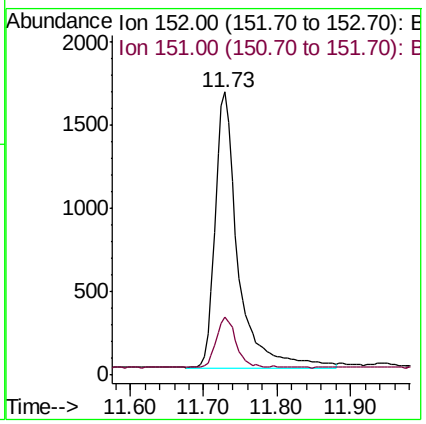


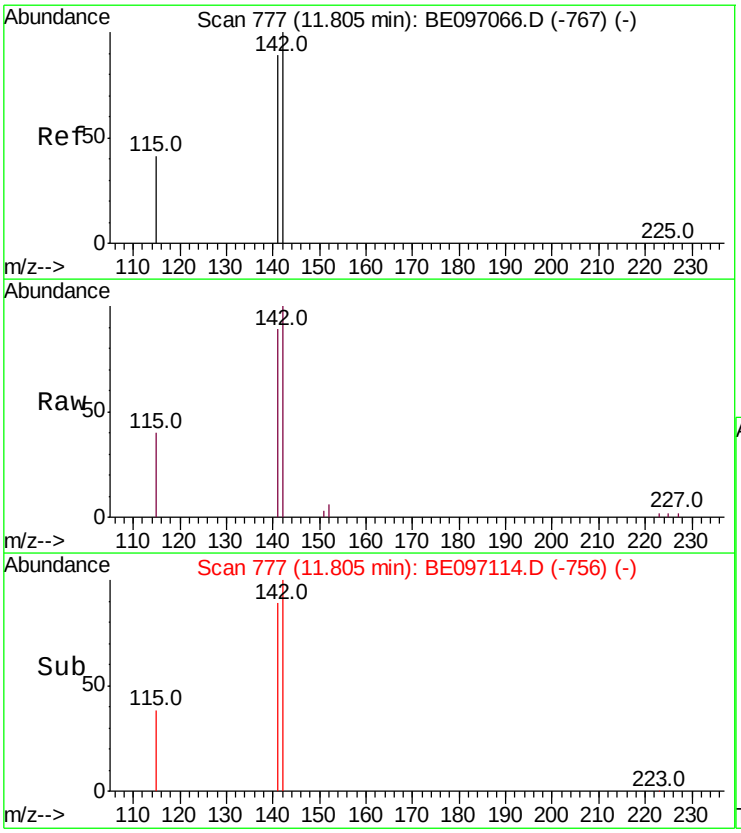
#11
2-Methylnaphthalene-d10
Concen: 0.432 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:152 Resp: 3577

Ion	Ratio	Lower	Upper
152	100		
151	15.8	15.4	23.0

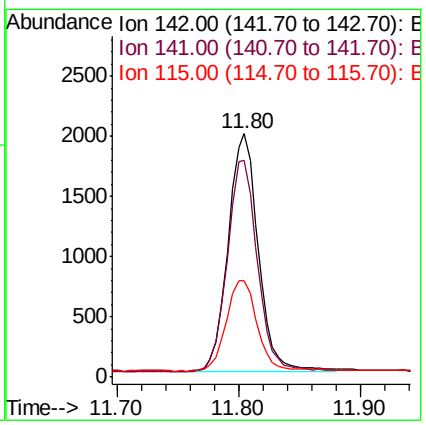


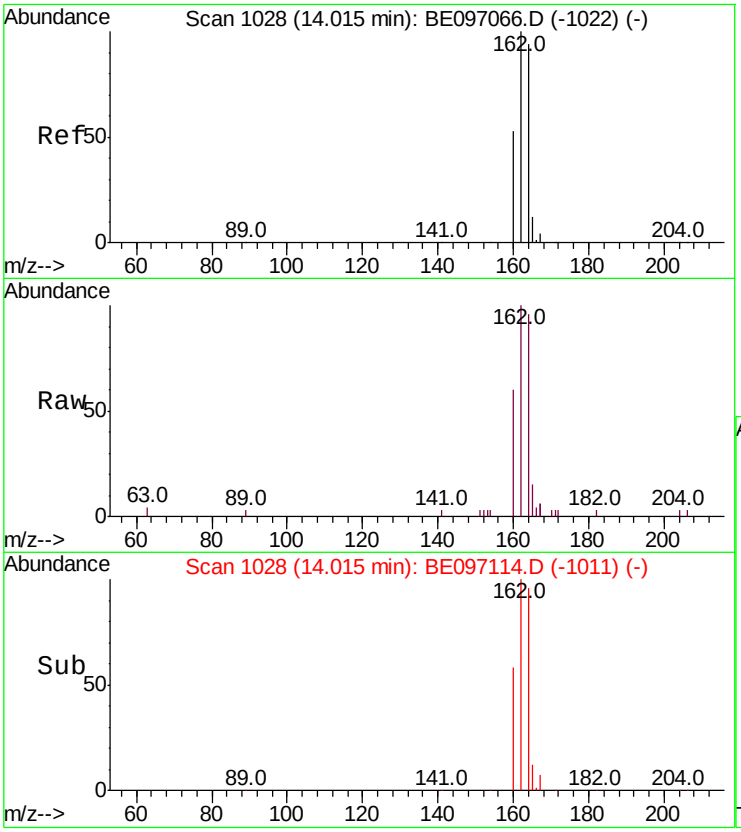


#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:142 Resp: 3383

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.4	105.6
115	39.7	31.7	47.5



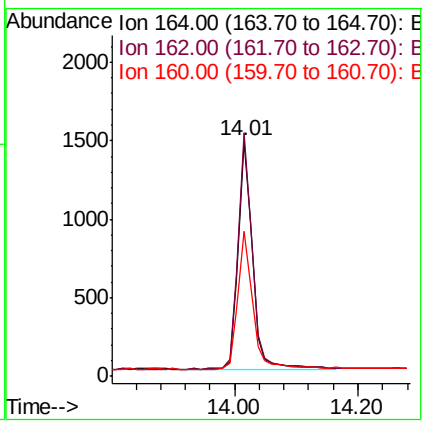


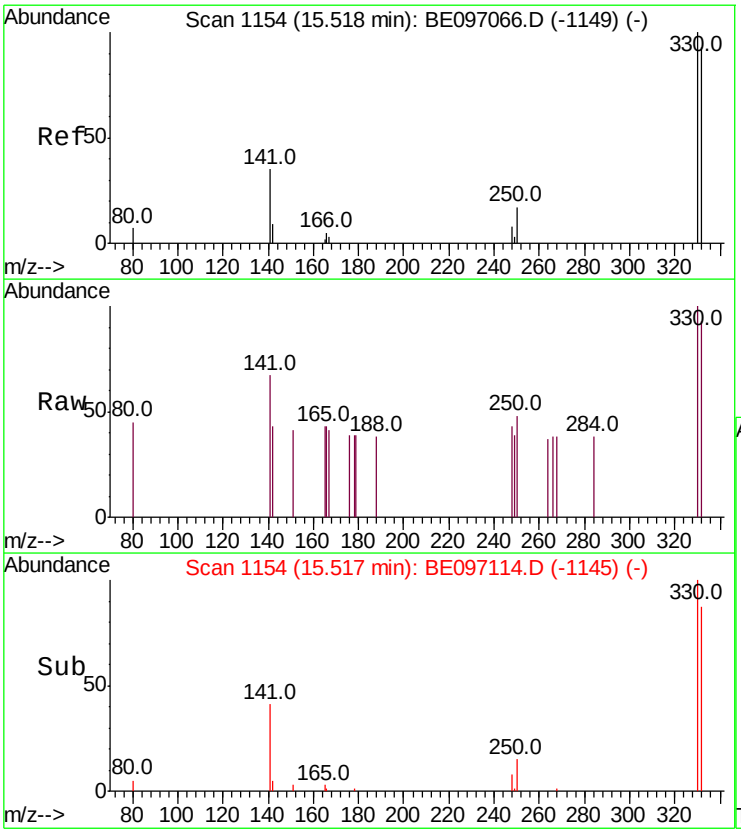
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument : BNA_E
ClientSampleId : PB111580BS

Tgt Ion:164 Resp: 2376

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.1	124.7
160	61.9	37.1	55.7#

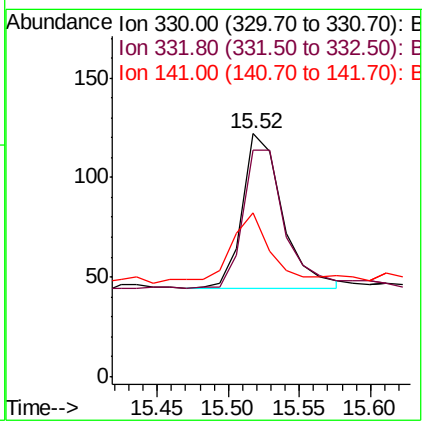


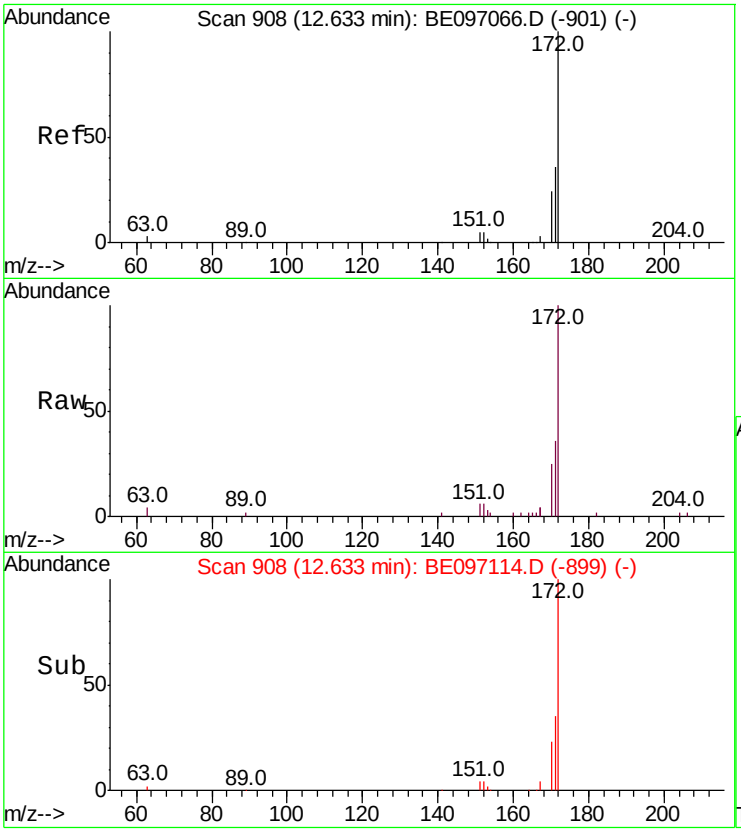


#14
2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:330 Resp: 155

Ion	Ratio	Lower	Upper
330	100		
332	93.5	152.7	229.1#
141	45.2	33.7	50.5



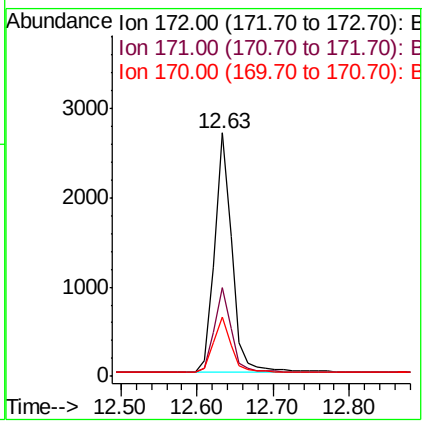


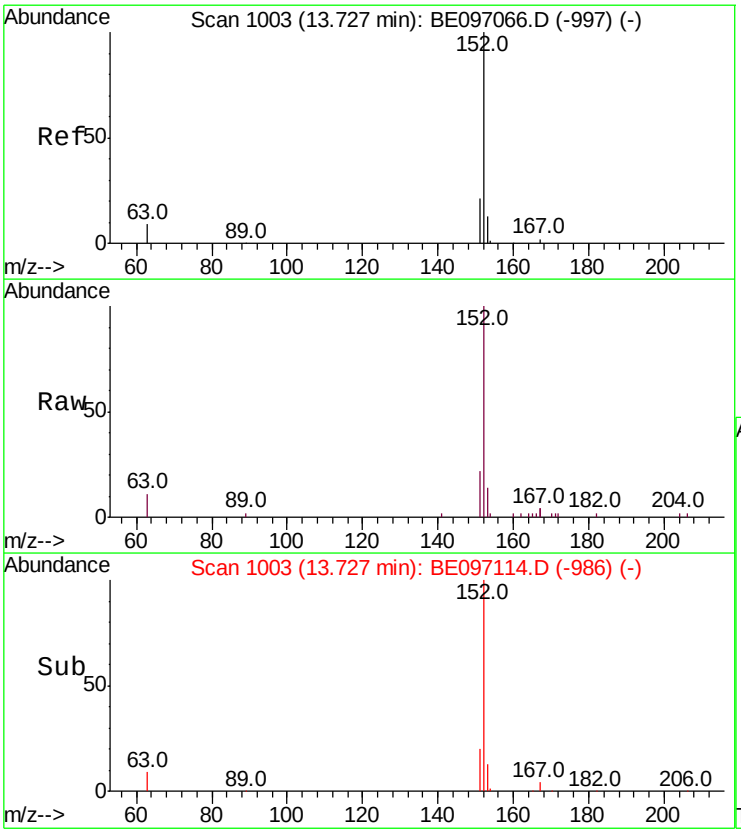
#15
2-Fluorobiphenyl
Concen: 0.519 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:172 Resp: 4262

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.9	44.9
170	24.5	21.8	32.8

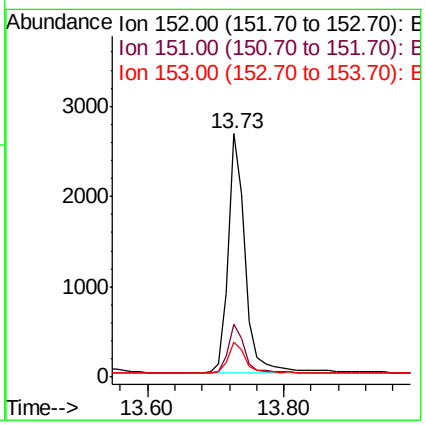


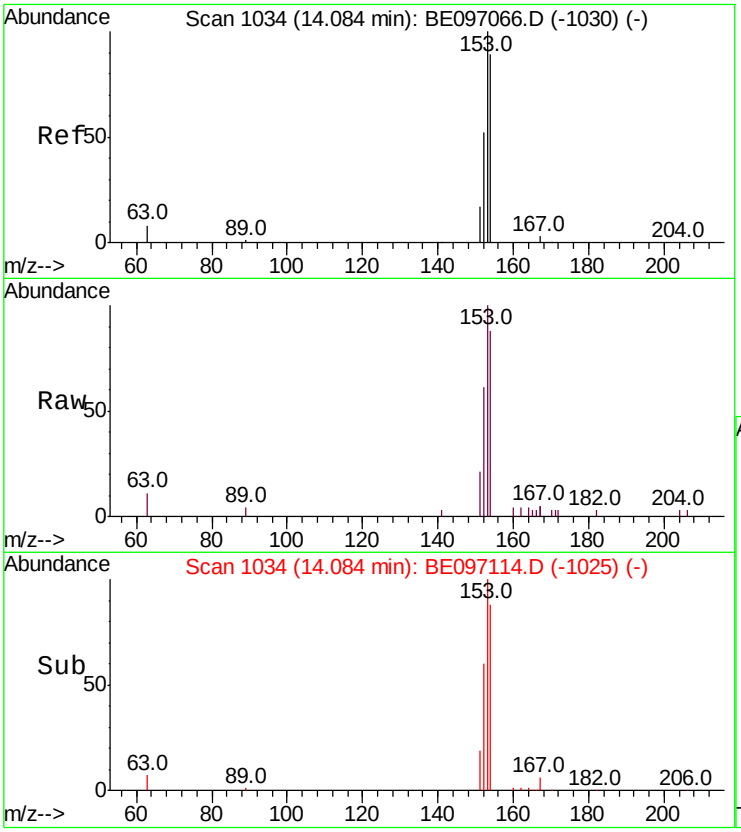


#16
Acenaphthylene
Concen: 0.440 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:152 Resp: 4689

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.0	10.5	15.7



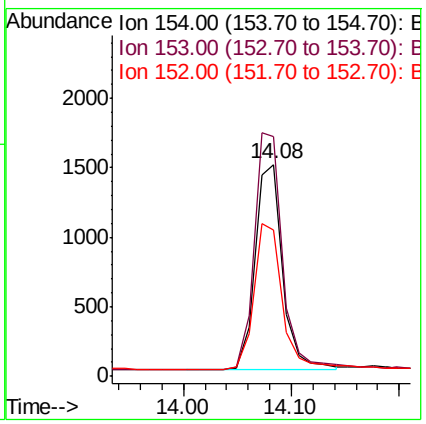


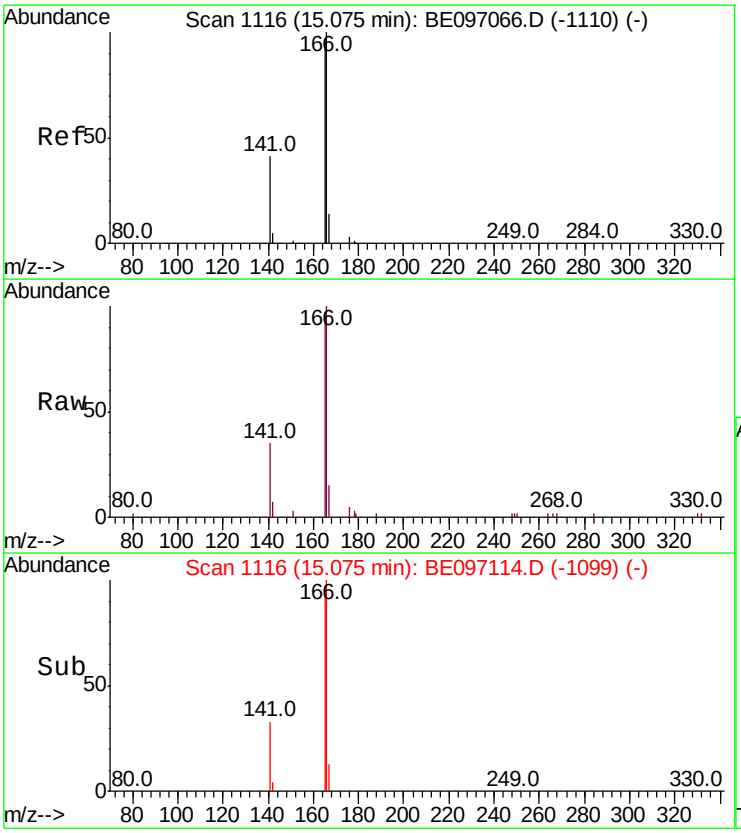
#17
Acenaphthene
Concen: 0.424 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument : BNA_E
ClientSampleId : PB111580BS

Tgt Ion:154 Resp: 2631

Ion	Ratio	Lower	Upper
154	100		
153	118.2	89.2	133.8
152	72.7	42.0	63.0#

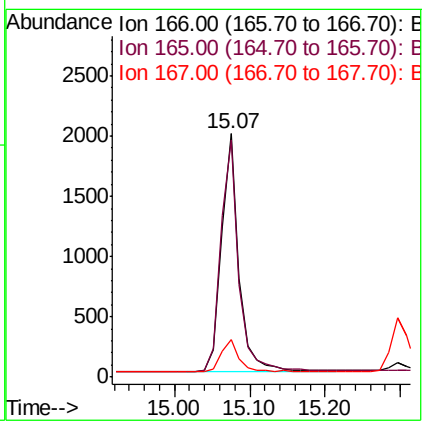


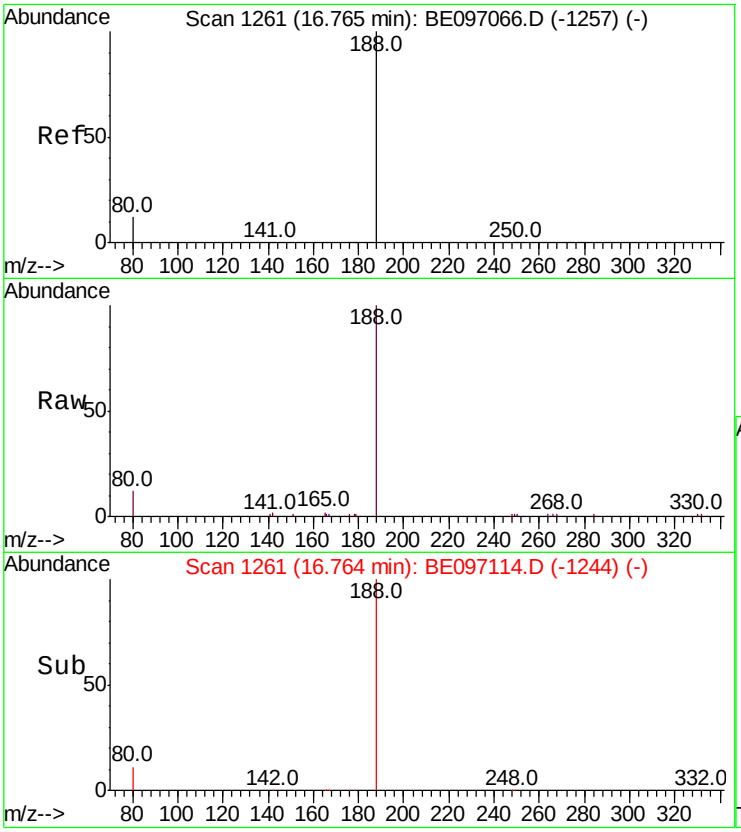


#18
Fluorene
Concen: 0.392 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:166 Resp: 3210

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.6
167	13.9	42.4	63.6#



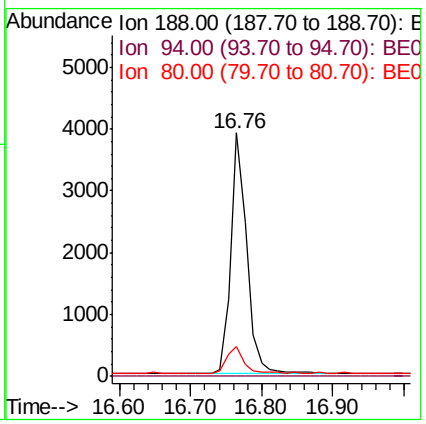


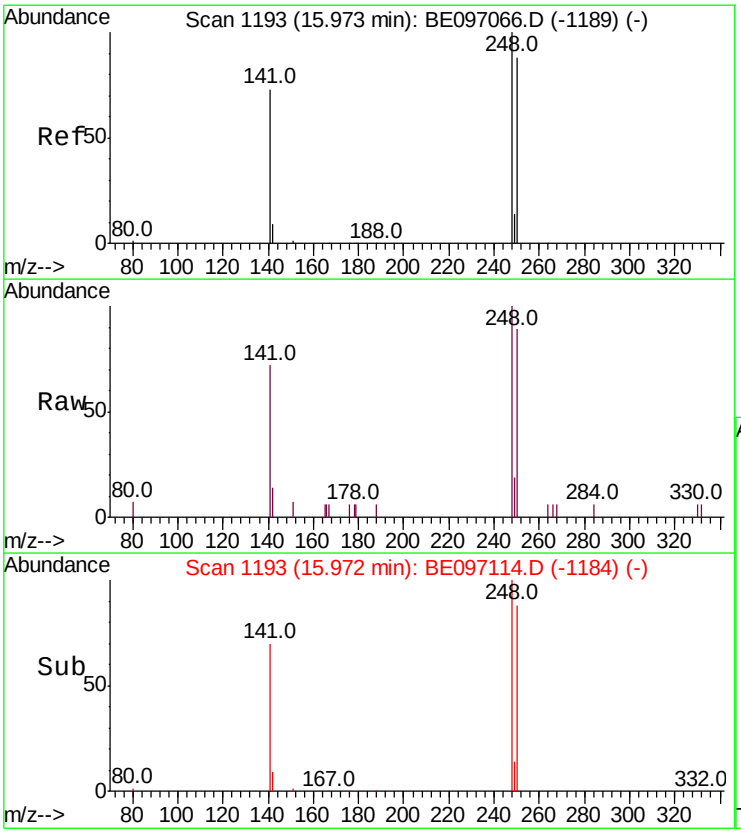
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:188 Resp: 6047

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.4	3.6	5.4#

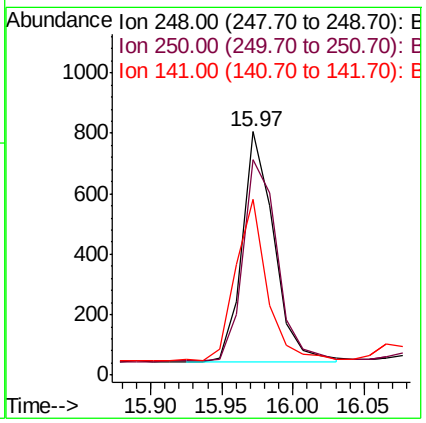


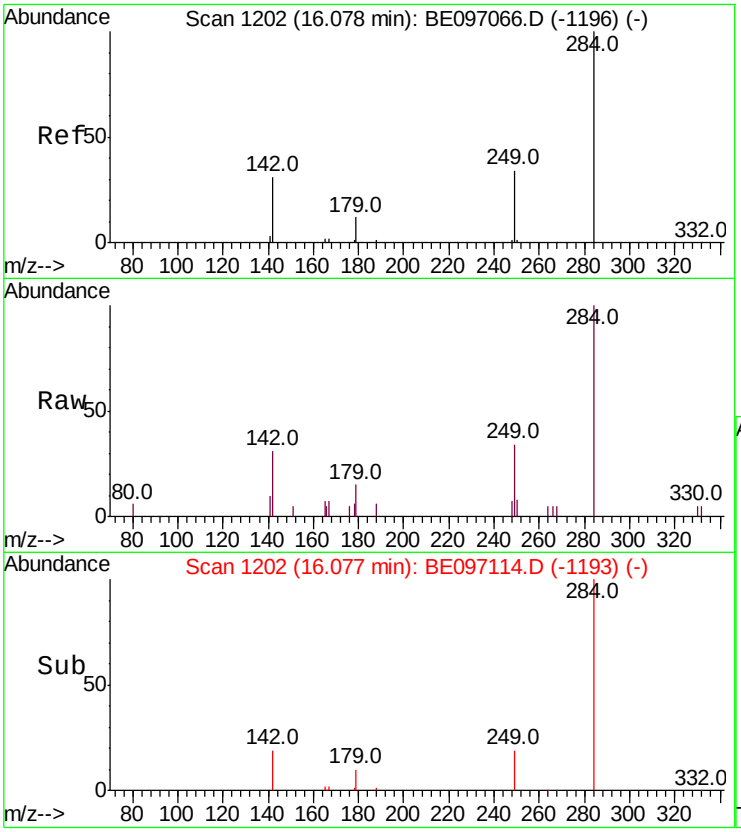


#20
4-Bromophenyl-phenylether
Concen: 0.401 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:248 Resp: 1177

Ion	Ratio	Lower	Upper
248	100		
250	88.6	62.7	94.1
141	72.1	48.2	72.2



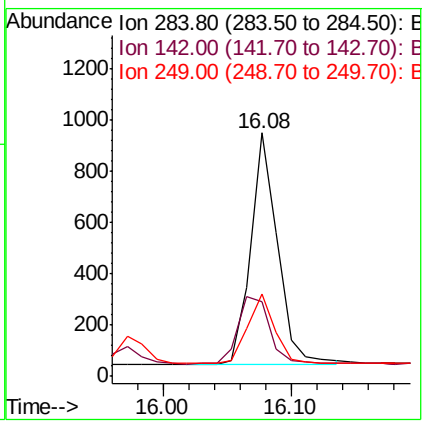


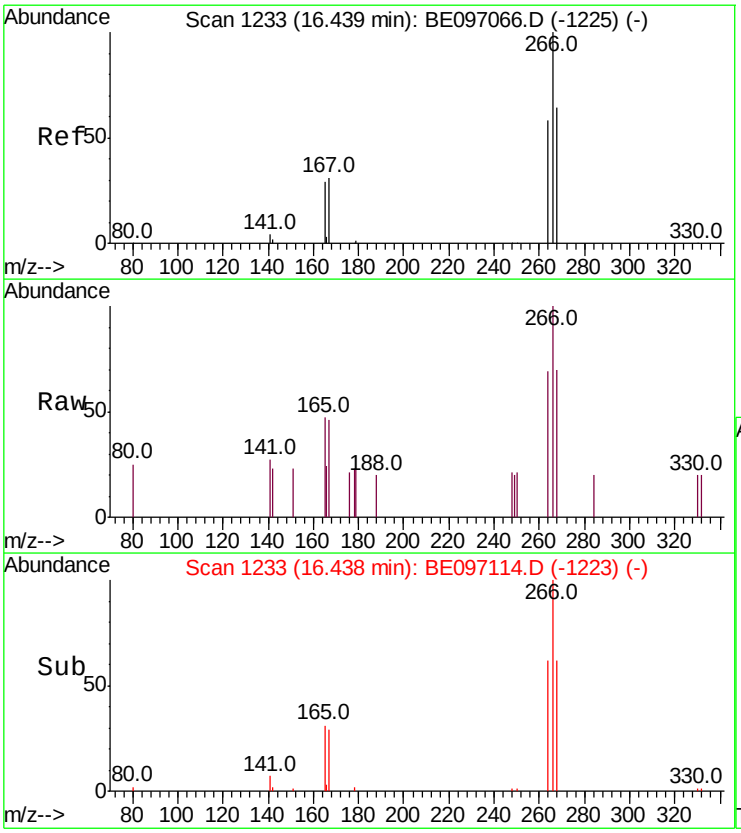
#21
Hexachlorobenzene
Concen: 0.425 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:284 Resp: 1339

Ion	Ratio	Lower	Upper
284	100		
142	34.5	22.1	33.1#
249	30.1	34.8	52.2#

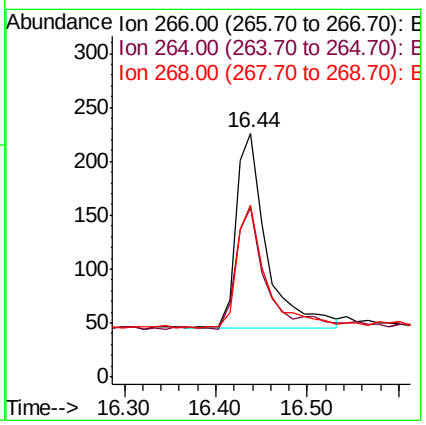


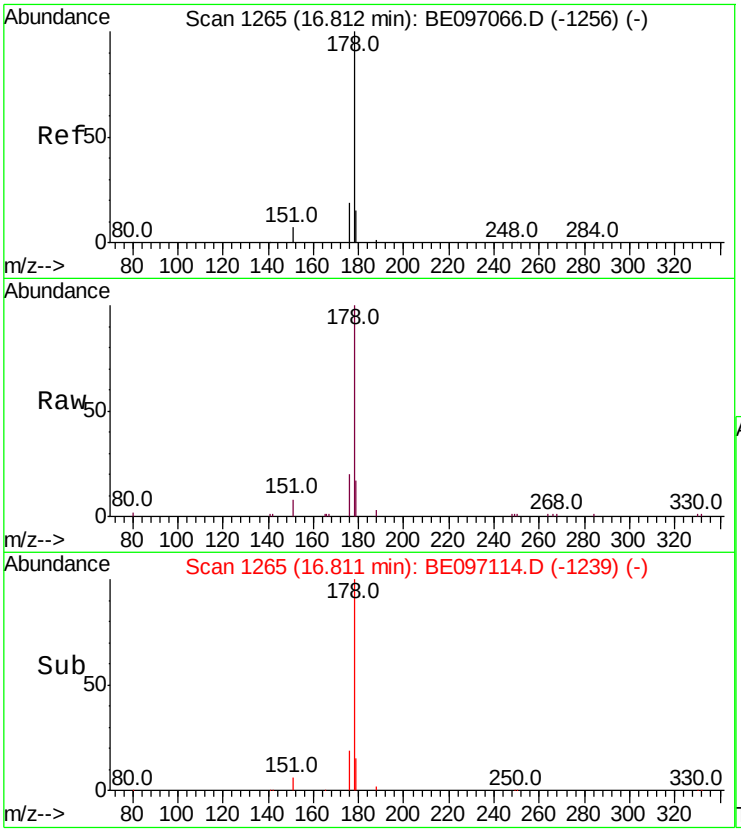


#22
Pentachlorophenol
Concen: 0.544 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:266 Resp: 421

Ion	Ratio	Lower	Upper
266	100		
264	69.5	72.5	108.7#
268	70.4	73.8	110.6#



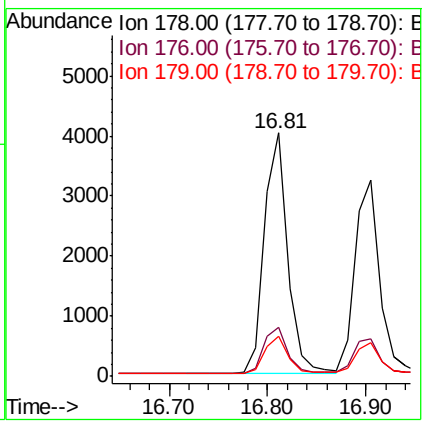


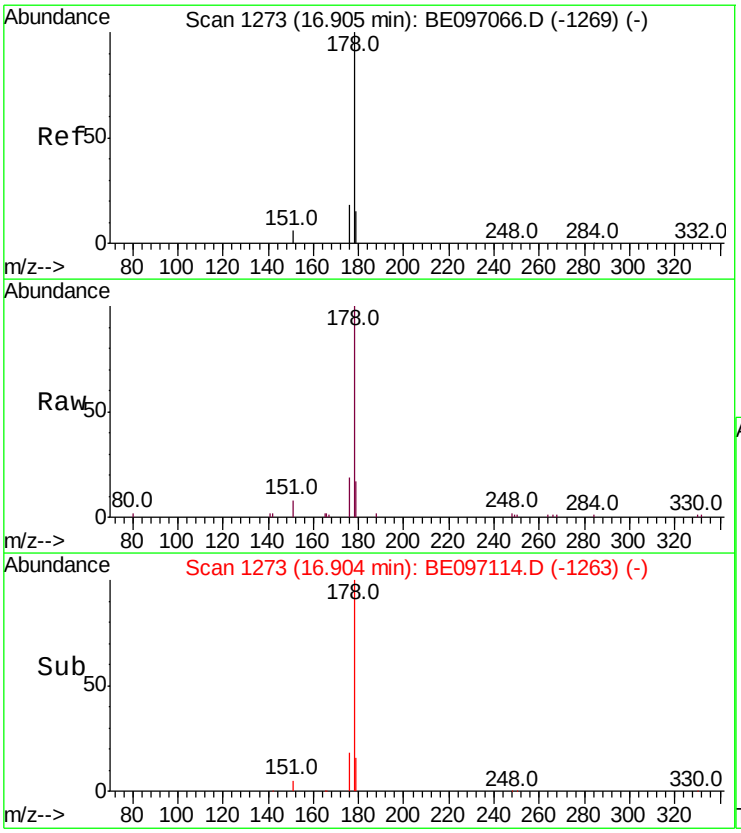
#23
Phenanthrene
Concen: 0.456 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:178 Resp: 6569

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	15.2	11.8	17.6

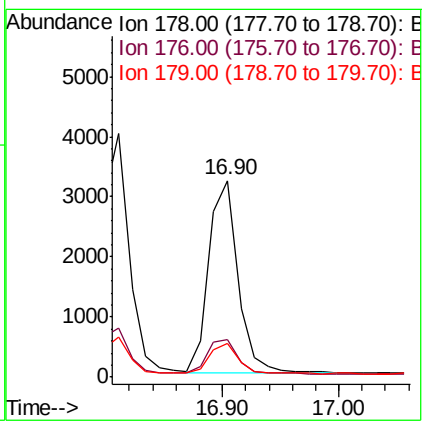


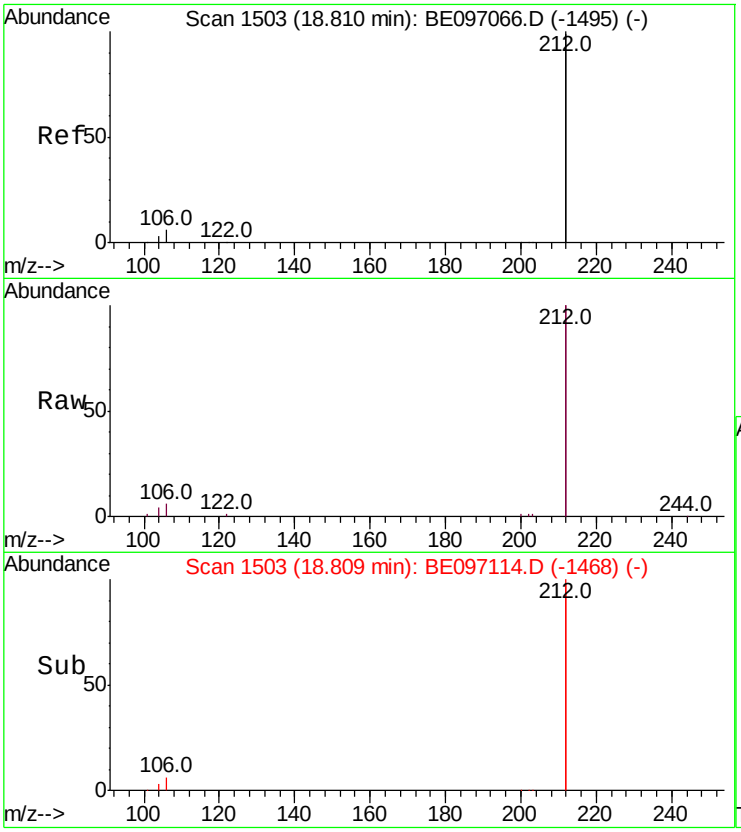


#24
Anthracene
Concen: 0.429 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:178 Resp: 5529

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.4	13.0	19.6



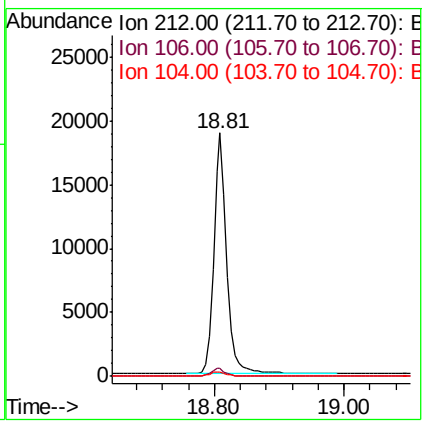


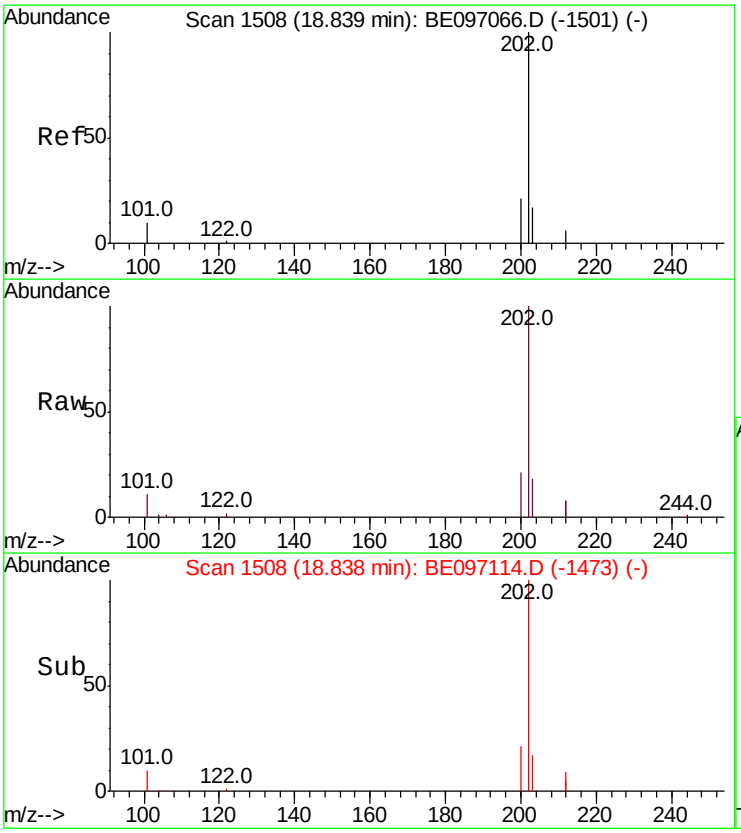
#25
Fluoranthene-d10
Concen: 0.442 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:212 Resp: 26732

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.8	1.6	2.4

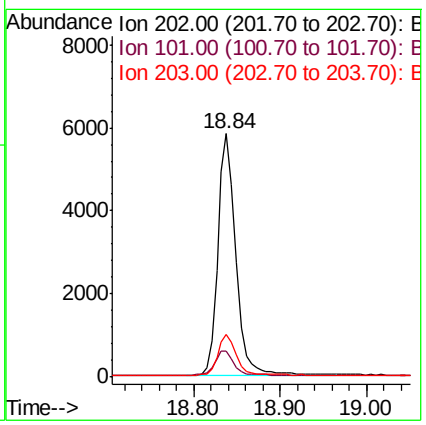


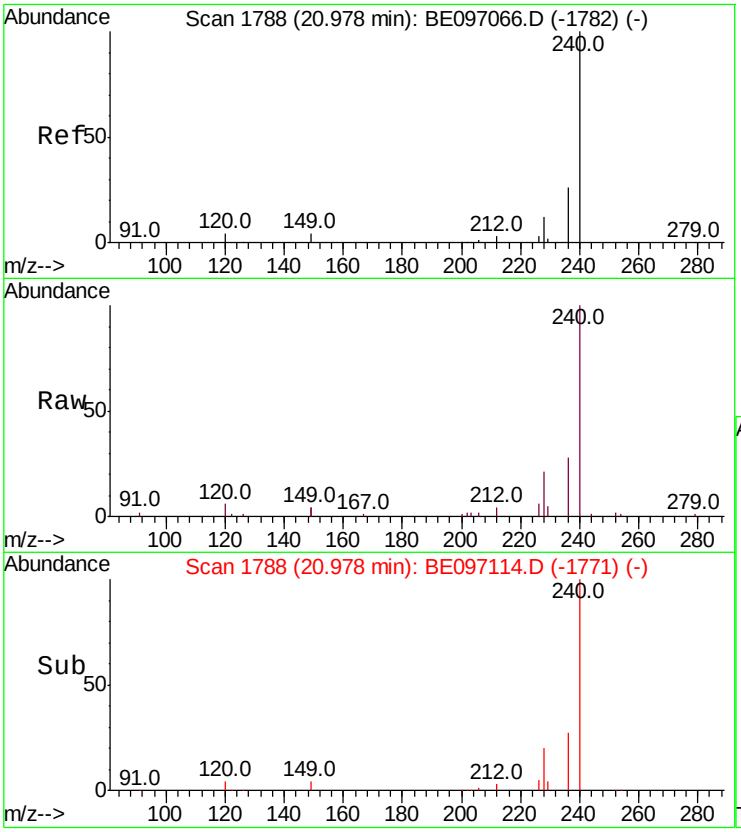


#26
Fluoranthene
Concen: 0.517 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:202 Resp: 8360

Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.8	14.8
203	16.8	13.7	20.5



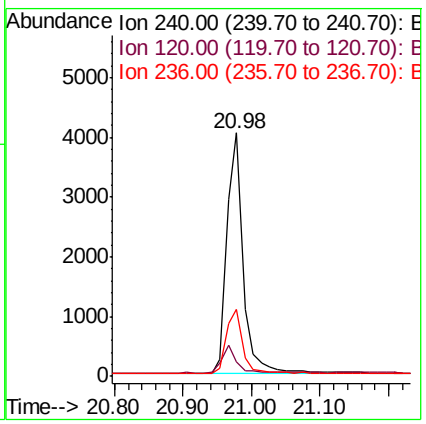


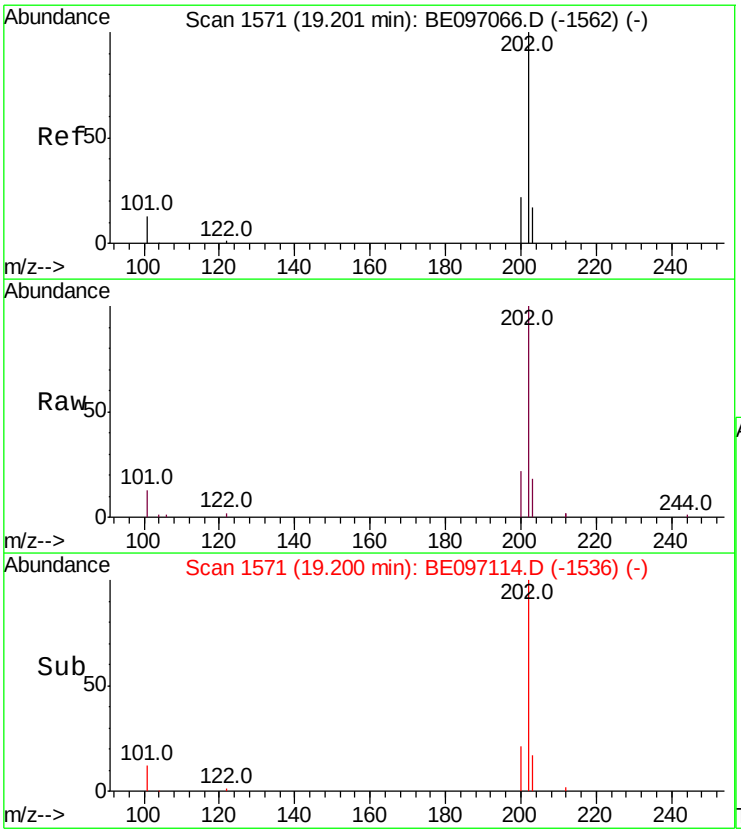
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:240 Resp: 6660

Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.5	8.3
236	27.6	20.7	31.1

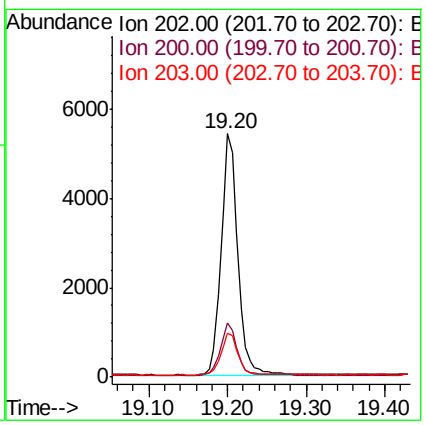


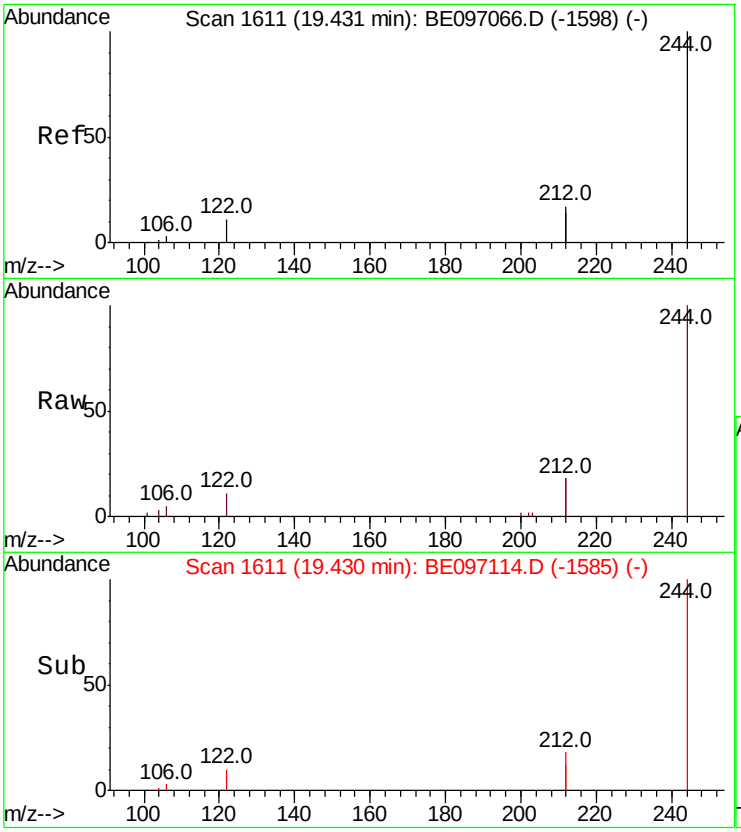


#28
Pyrene
Concen: 0.433 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:202 Resp: 7912

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.6	13.8	20.8



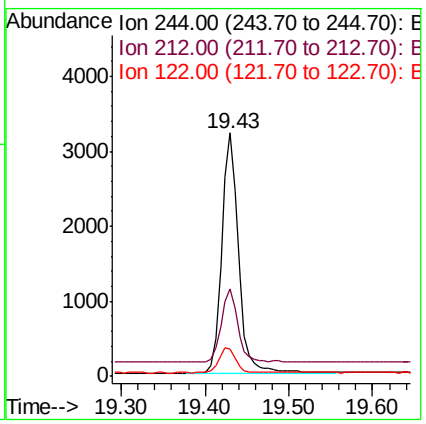


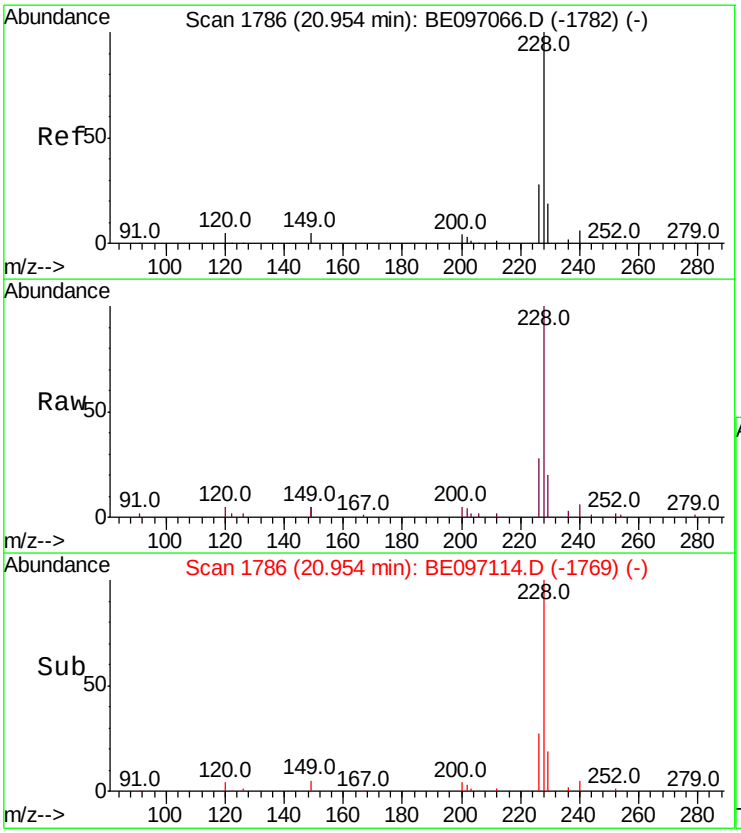
#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:244 Resp: 4433

Ion	Ratio	Lower	Upper
244	100		
212	35.9	25.4	38.0
122	11.0	8.1	12.1

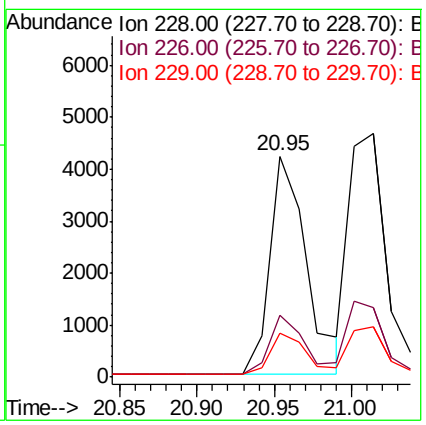


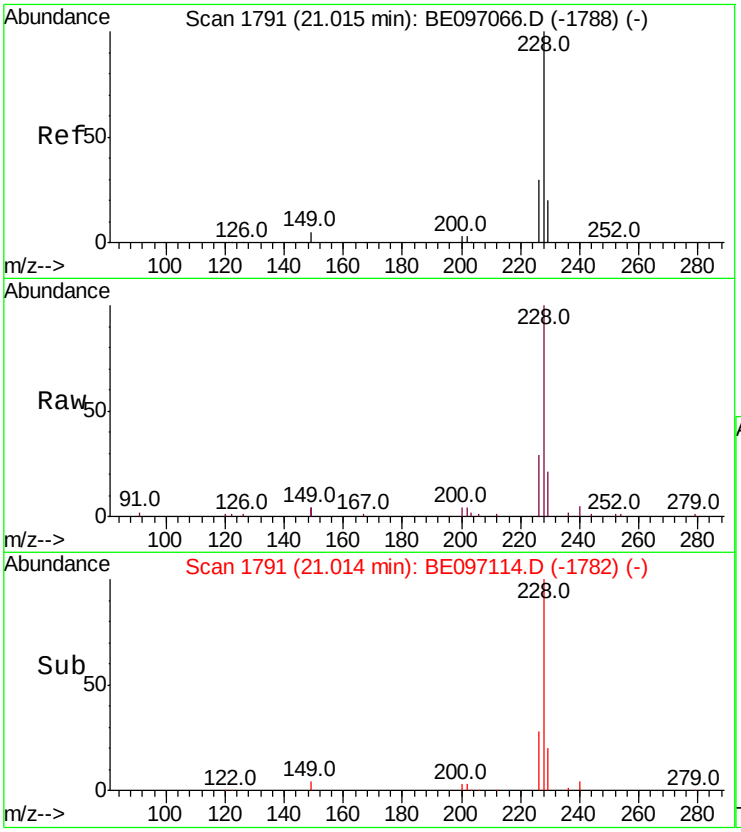


#30
Benzo(a)anthracene
Concen: 0.423 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:228 Resp: 7008

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.0	36.0
229	19.9	16.0	24.0



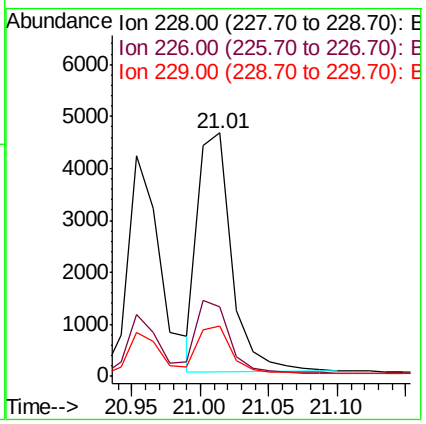


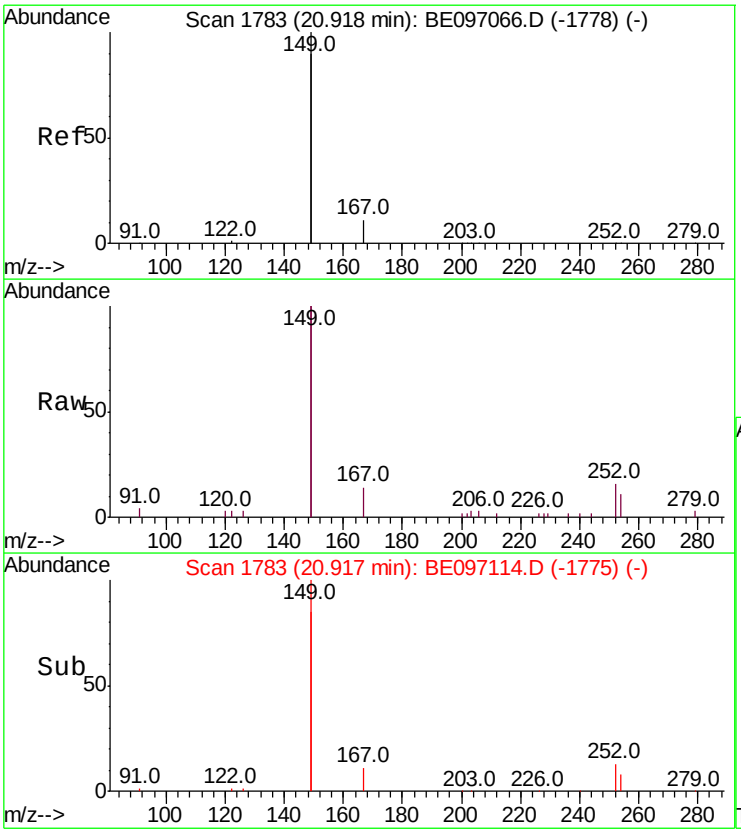
#31
Chrysene
Concen: 0.444 ng
RT: 21.01 min Scan# 1791
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:228 Resp: 7884

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	20.9	16.0	24.0

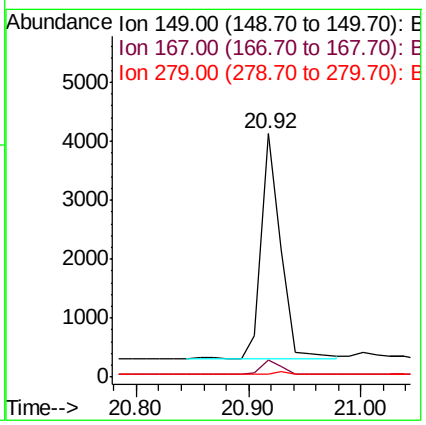


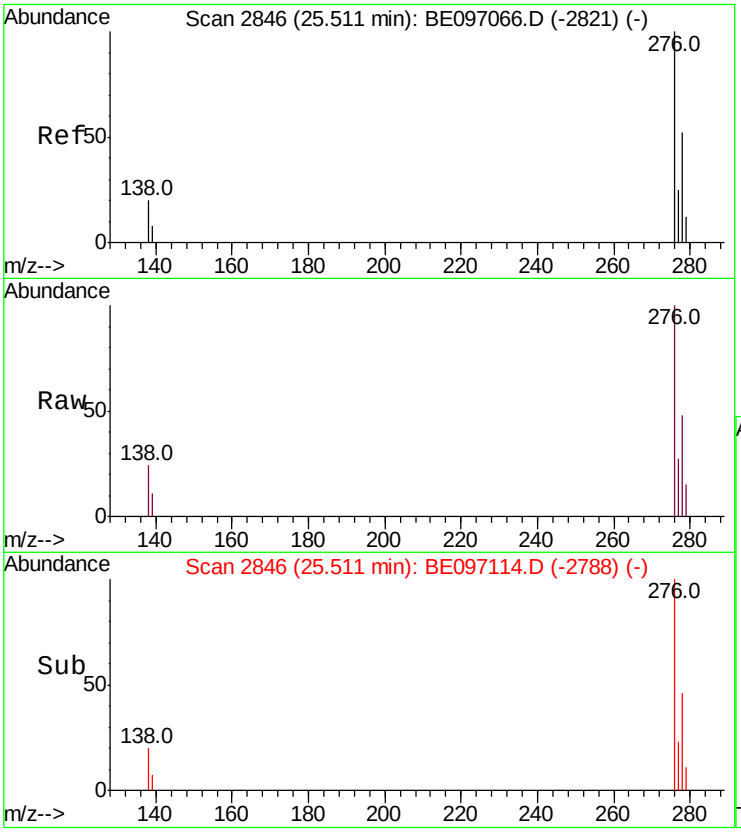


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.267 ng
RT: 20.92 min Scan# 1783
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:149 Resp: 4632

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.2	0.7	1.1#



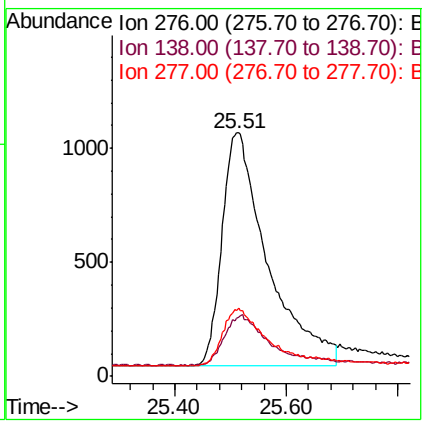


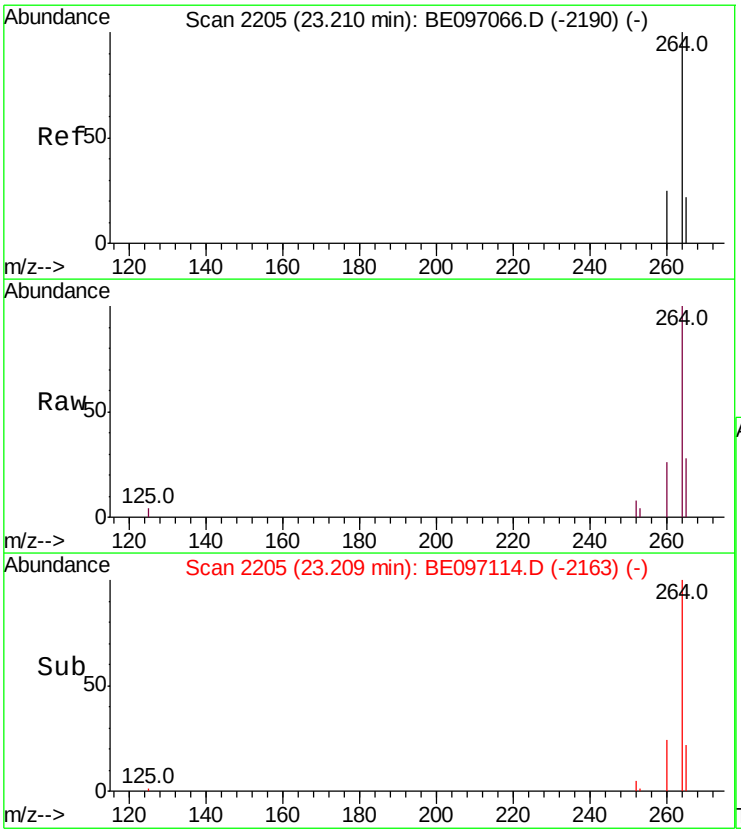
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.362 ng
RT: 25.51 min Scan# 2846
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:276 Resp: 5829

Ion	Ratio	Lower	Upper
276	100		
138	20.1	22.5	33.7#
277	23.2	19.9	29.9

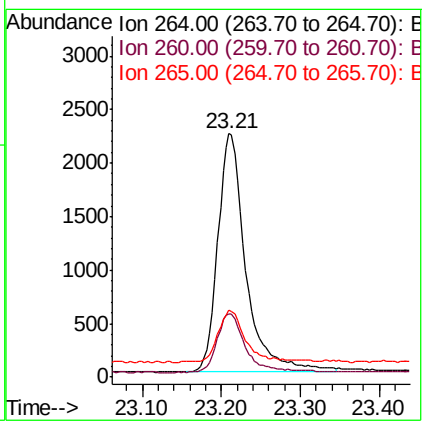


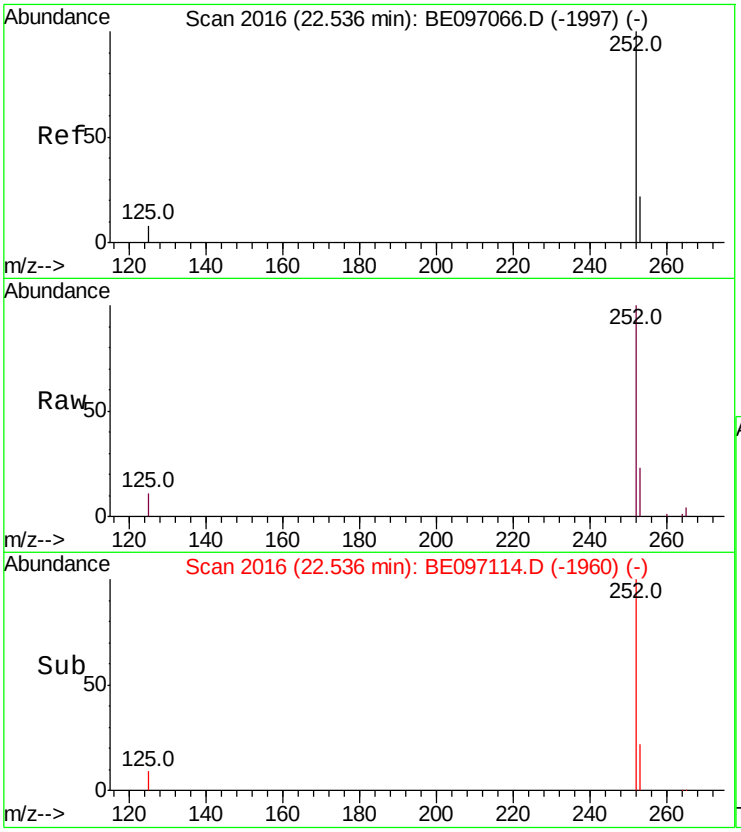


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:264 Resp: 5501

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	27.7	22.8	34.2



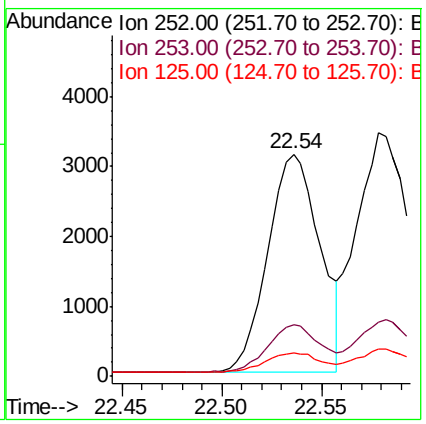


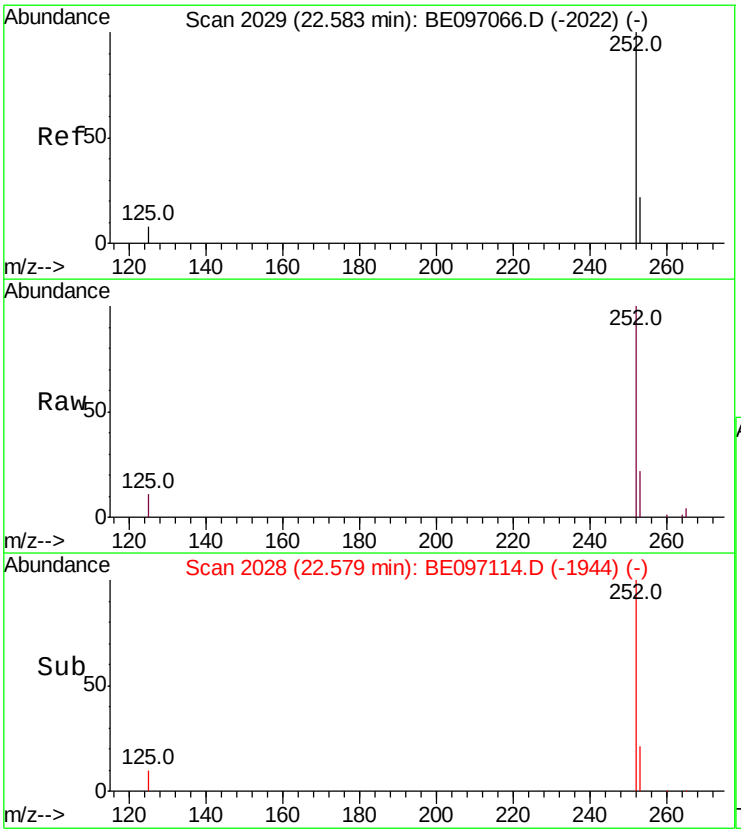
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:252 Resp: 5683

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.7	16.0	24.0#

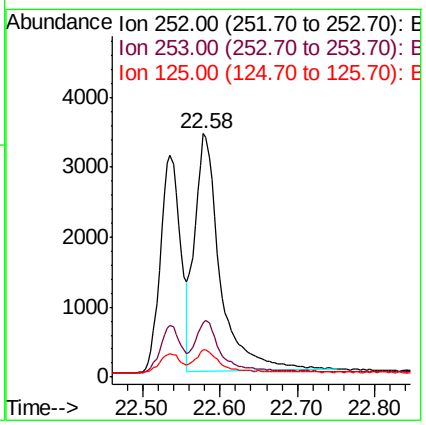


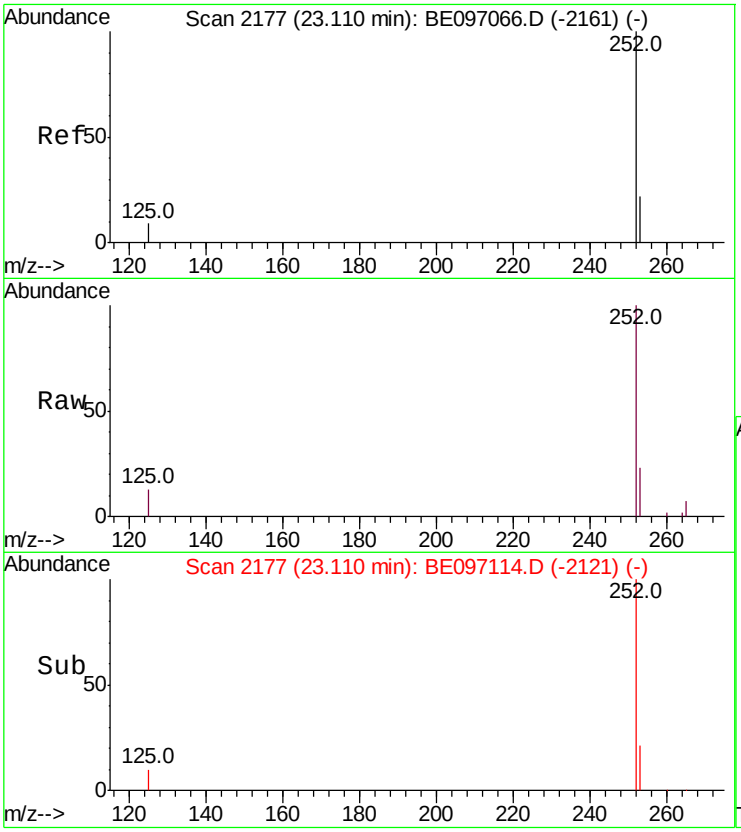


#36
Benzo(k)fluoranthene
Concen: 0.481 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:252 Resp: 7842

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.0	24.0
125	11.3	8.0	12.0



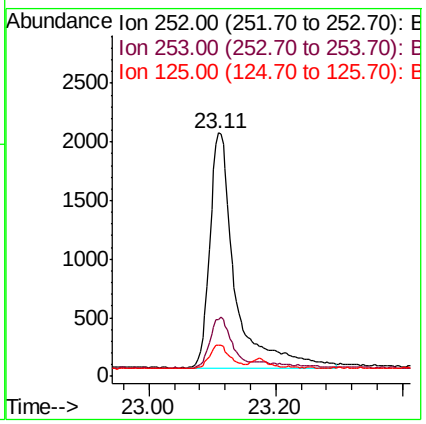


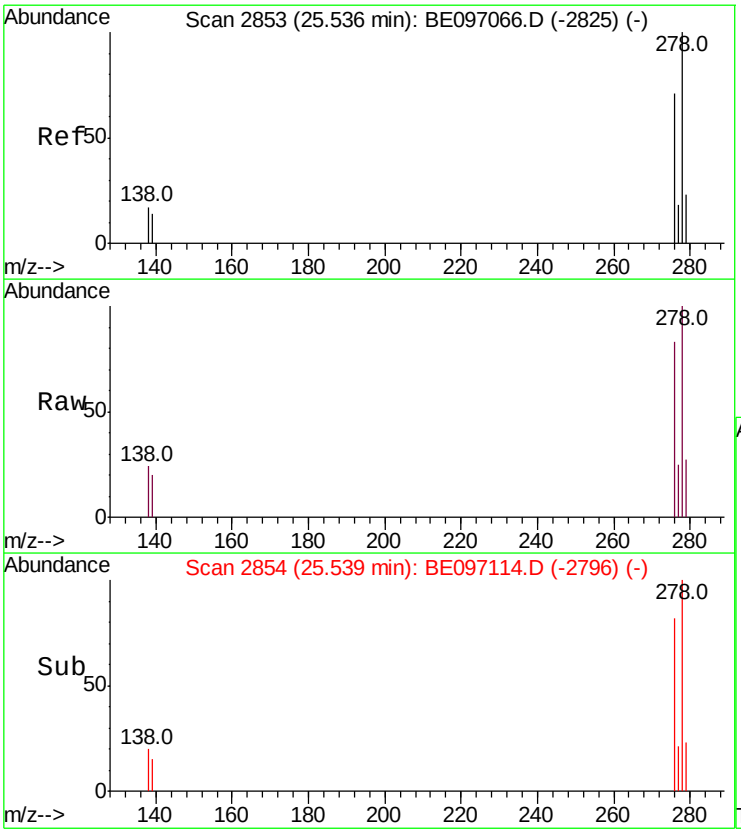
#37
Benzo(a)pyrene
Concen: 0.422 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:252 Resp: 5538

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	12.6	12.0	18.0

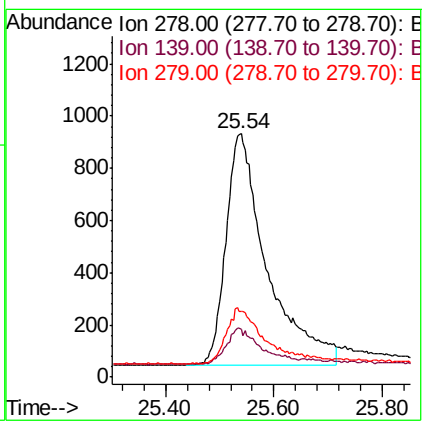


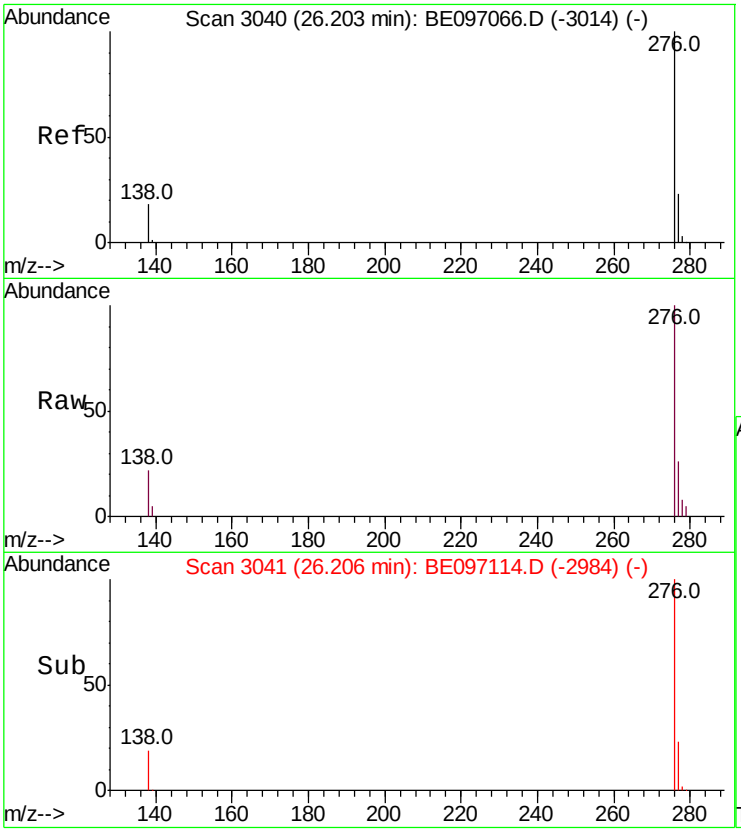


#38
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 25.54 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Tgt Ion:278 Resp: 4662

Ion	Ratio	Lower	Upper
278	100		
139	19.8	16.0	24.0
279	27.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 26.21 min Scan# 3041
Delta R.T. 0.00 min
Lab File: BE097114.D
Acq: 31 Jul 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB111580BS

Tgt Ion:276 Resp: 5560

Ion	Ratio	Lower	Upper
276	100		
277	25.8	16.0	24.0#
138	22.3	20.0	30.0