Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
Data File : BE097110.D
Acq On : 26 Jul 2018 19:44
Operator : SJ/JU
Sample : J3762-09
Misc : MDL 0.1PPM
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Jul 27 03:30:19 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	1100	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	5405	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3208	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	8980	0.40	ng		0.01
27) Chrysene-d12	20.98	240	6235	0.40	ng		0.00
34) Perylene-d12	23.22	264	4715	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1035	0.33	ng		0.00
5) Phenol-d6	6.59	99	1329	0.29	ng		0.00
8) Nitrobenzene-d5	8.53	82	1648	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	2974	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	227	0.21	ng		0.01
15) 2-Fluorobiphenyl	12.63	172	4415	0.40	ng		0.00
25) Fluoranthene-d10	18.82	212	31958	0.36	ng		0.00
29) Terphenyl-d14	19.43	244	4837	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	182	0.104	ng		92
3) n-Nitrosodimethylamine	3.39	42	185	0.095	ng	#	77
6) bis(2-Chloroethyl)ether	6.84	93	481	0.116	ng	#	63
9) Naphthalene	10.20	128	4747	0.098	ng	#	96
10) Hexachlorobutadiene	10.48	225	222	0.102	ng		98
12) 2-Methylnaphthalene	11.81	142	759	0.091	ng		97
16) Acenaphthylene	13.74	152	1338	0.093	ng		99
17) Acenaphthene	14.08	154	766	0.092	ng	#	86
18) Fluorene	15.07	166	957	0.087	ng	#	78
20) 4-Bromophenyl-phenylether	15.98	248	394	0.090	ng	#	88
21) Hexachlorobenzene	16.08	284	468	0.100	ng	#	83
22) Pentachlorophenol	16.46	266	67	0.095	ng		98
23) Phenanthrene	16.81	178	1942	0.091	ng		97
24) Anthracene	16.90	178	1466	0.077	ng	#	94
26) Fluoranthene	18.84	202	1953	0.081	ng		98
28) Pyrene	19.21	202	1740	0.102	ng		98
30) Benzo(a)anthracene	21.02	228	1657	0.107	ng		94
31) Chrysene	21.02	228	1617	0.097	ng		94
32) Bis(2-ethylhexyl)phthalate	20.92	149	1209	0.066	ng	#	98
33) Indeno(1,2,3-cd)pyrene	25.54	276	762	0.051	ng	#	49
35) Benzo(b)fluoranthene	22.59	252	1261	0.105	ng		93
36) Benzo(k)fluoranthene	22.59	252	1261	0.090	ng	#	75
37) Benzo(a)pyrene	23.12	252	823	0.073	ng	#	72
38) Dibenzo(a,h)anthracene	25.56	278	222	0.020	ng	#	45
39) Benzo(g,h,i)perylene	26.22	276	838	0.070	ng	#	66

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

Quantitation Report (Not Reviewed)

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Acq On : 26 Jul 2018 19:44
Operator : SJ/JU
Sample : J3762-09
Misc : MDL 0.1PPM
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 27 03:30:19 2018
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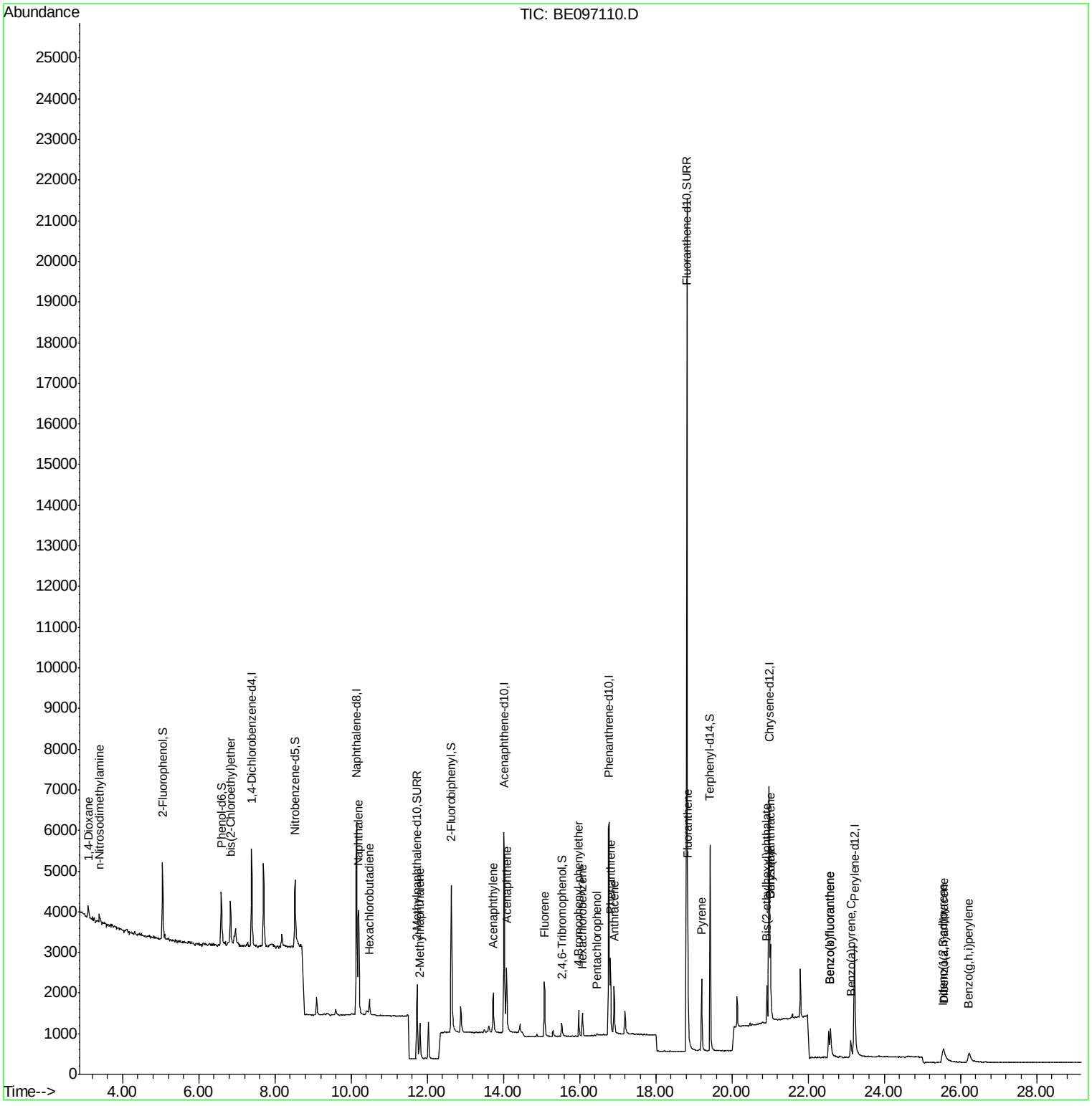
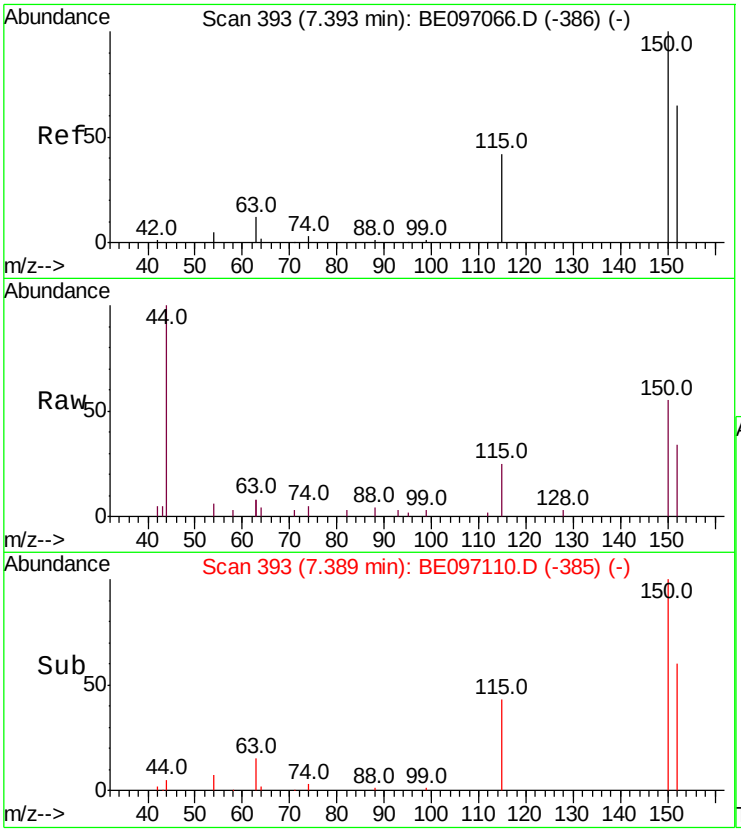
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration



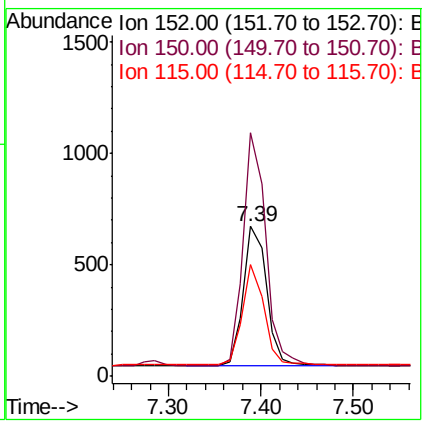


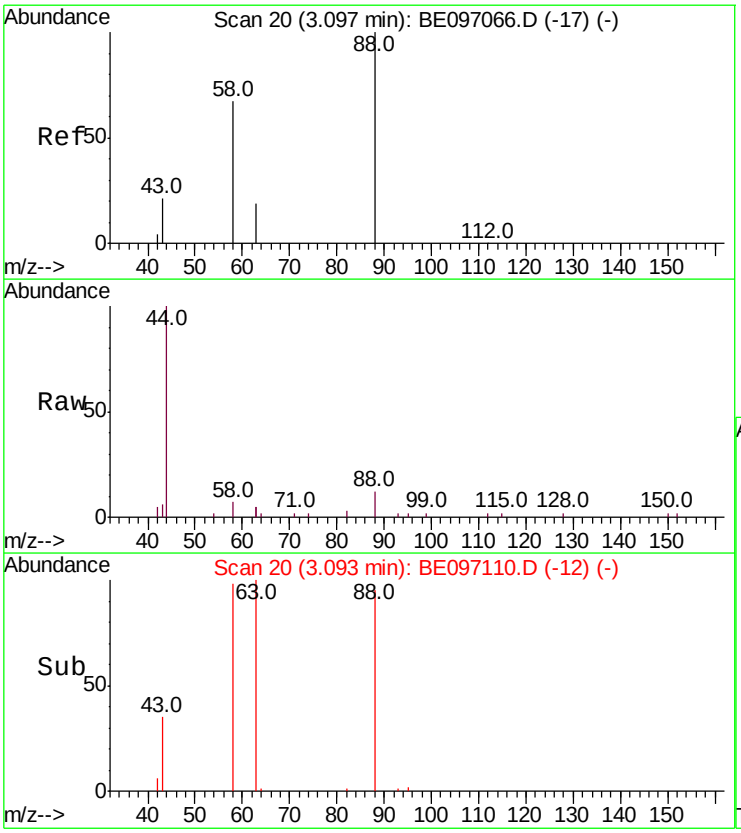
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1100

Ion	Ratio	Lower	Upper
152	100		
150	162.6	117.2	175.8
115	74.4	57.0	85.6

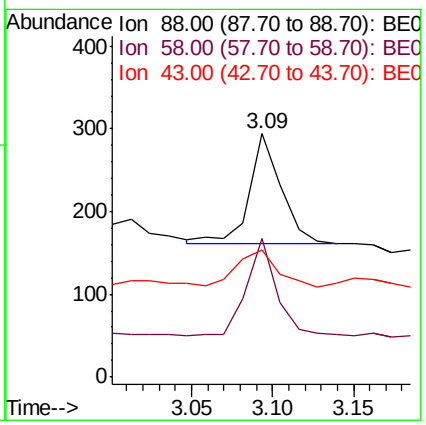


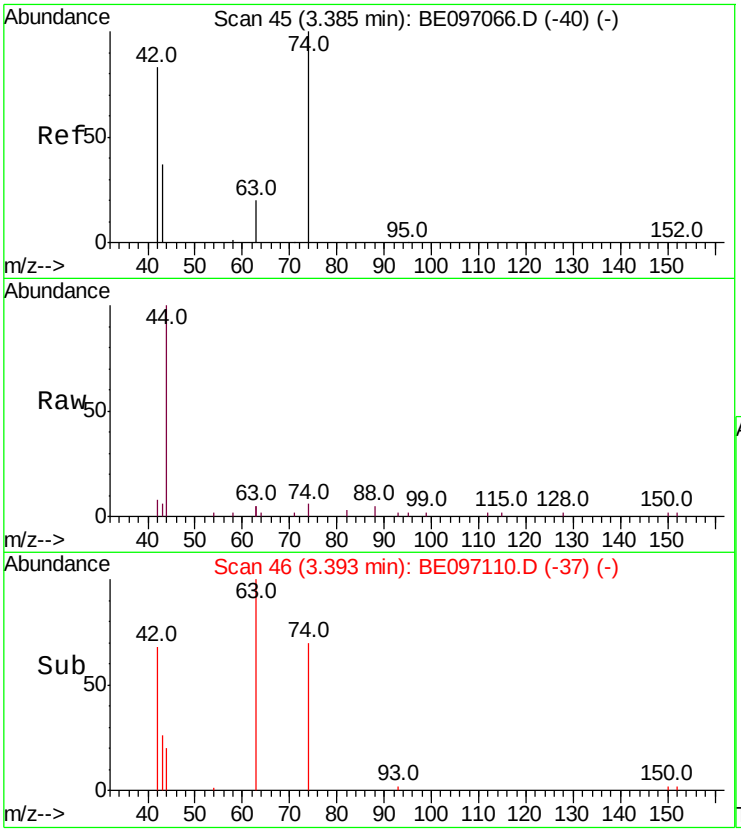


#2
1,4-Dioxane
Concen: 0.104 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion: 88 Resp: 182

Ion	Ratio	Lower	Upper
88	100		
58	82.4	63.2	94.8
43	41.2	41.2	61.8



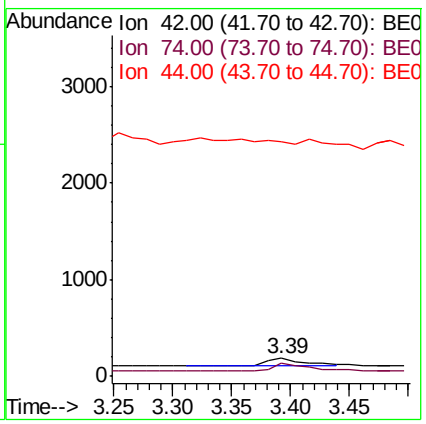


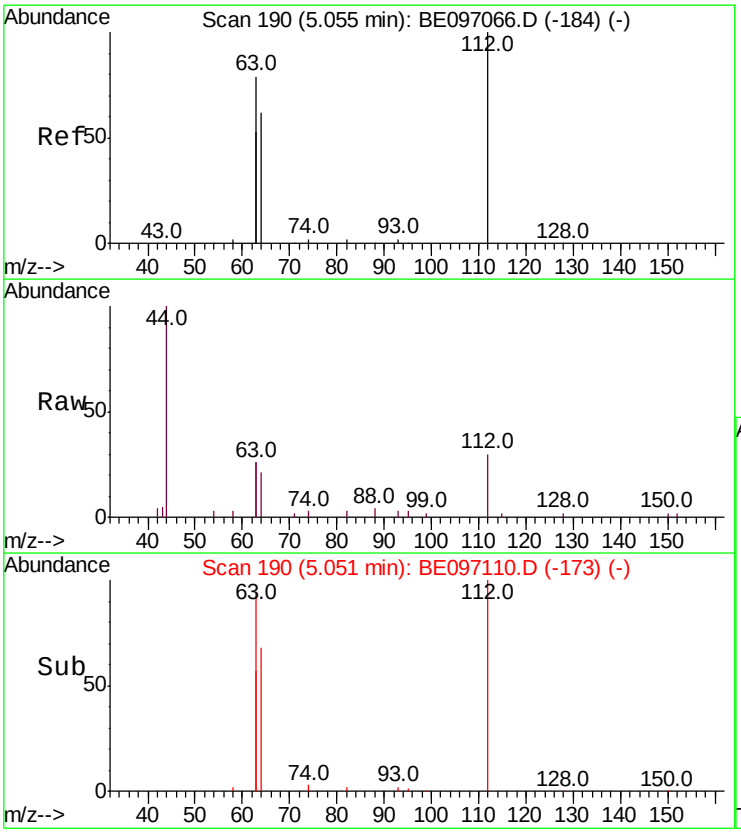
#3
n-Nitrosodimethylamine
Concen: 0.095 ng
RT: 3.39 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 185

Ion	Ratio	Lower	Upper
42	100		
74	95.7	96.0	144.0#
44	0.0	12.0	18.0#

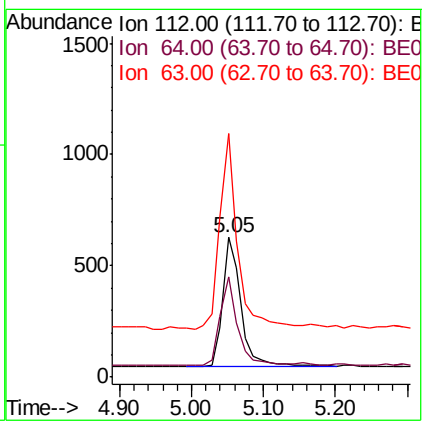


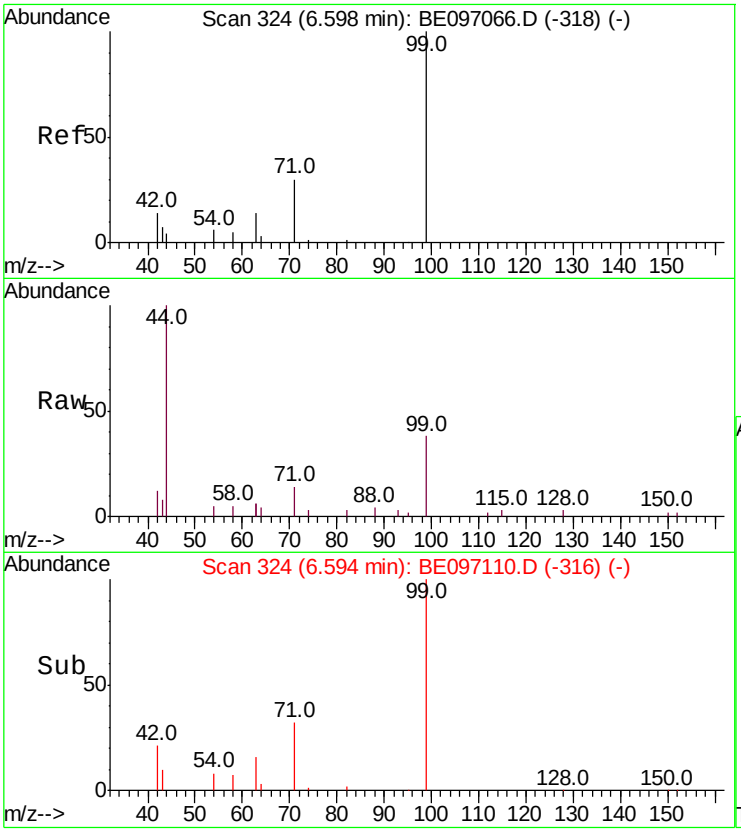


#4
2-Fluorophenol
Concen: 0.335 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:112 Resp: 1035

Ion	Ratio	Lower	Upper
112	100		
64	66.5	60.1	90.1
63	149.3	116.8	175.2



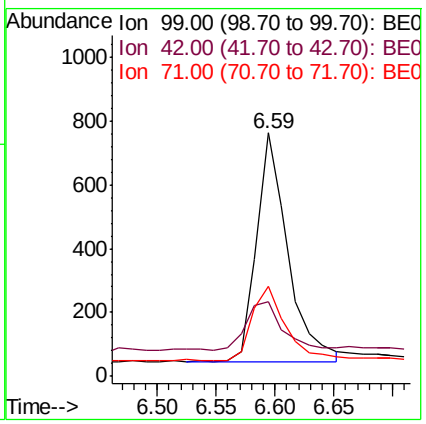


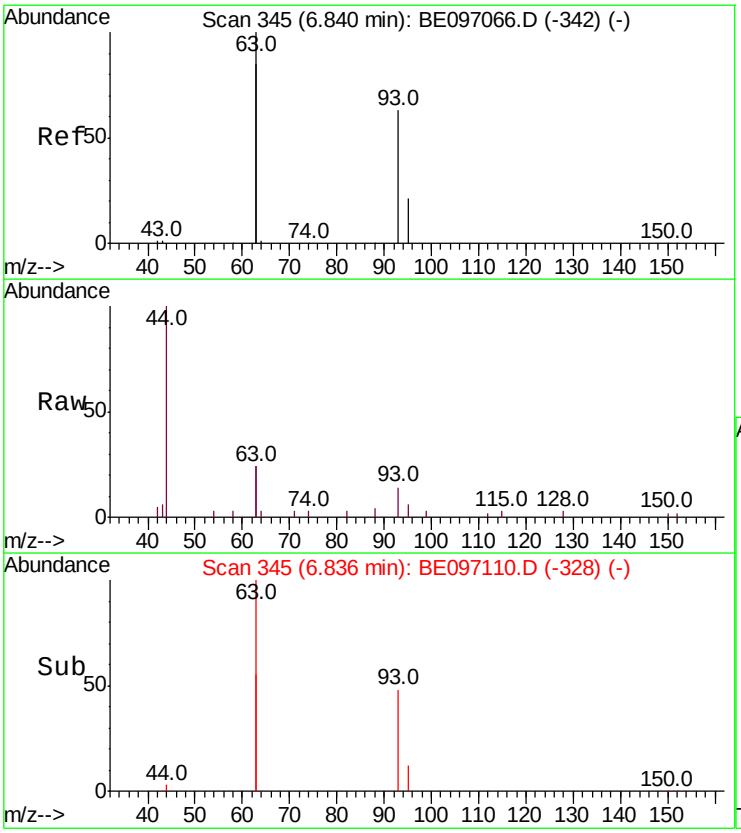
#5
Phenol-d6
Concen: 0.293 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1329

Ion	Ratio	Lower	Upper
99	100		
42	23.9	20.2	30.2
71	34.4	28.4	42.6

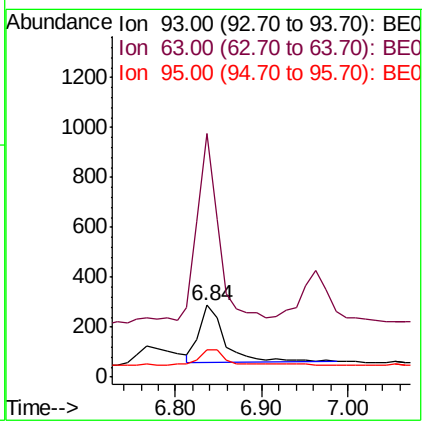


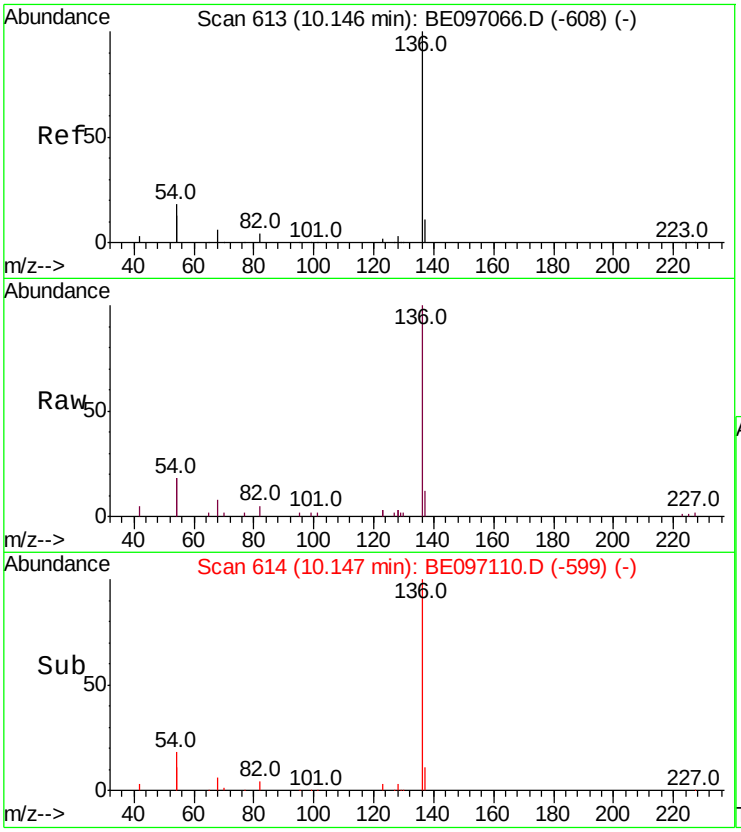


#6
bis(2-Chloroethyl)ether
Concen: 0.116 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion: 93 Resp: 481

Ion	Ratio	Lower	Upper
93	100		
63	260.1	275.3	412.9#
95	27.2	25.2	37.8



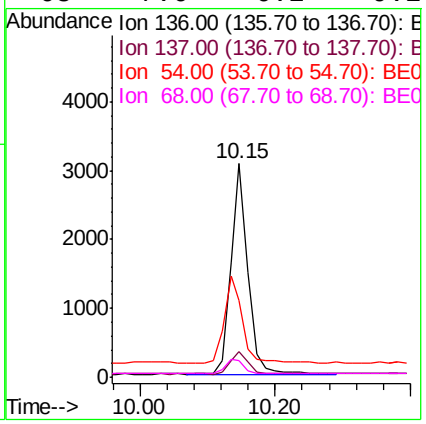


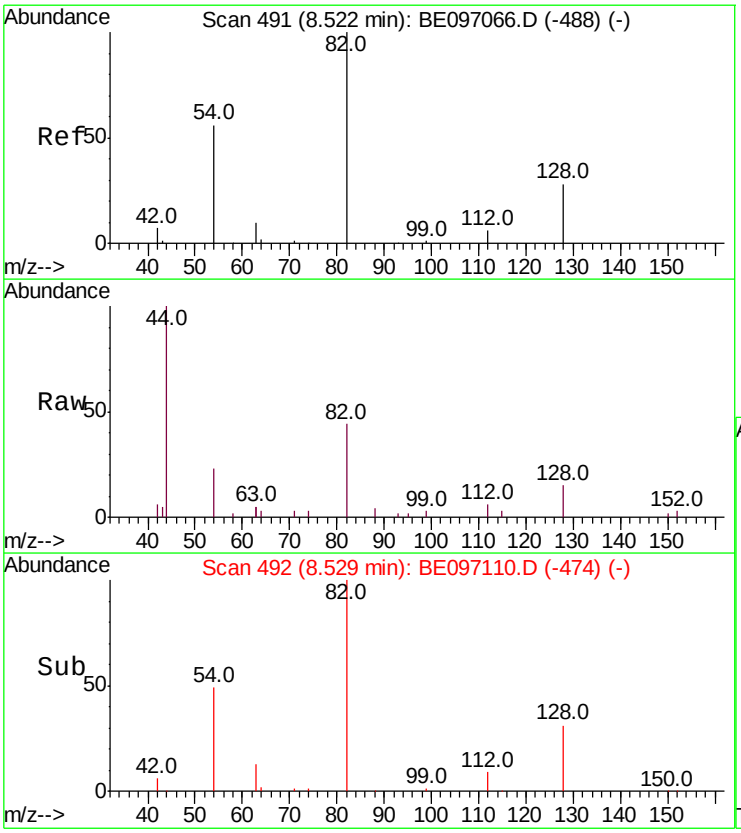
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 614
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 5405

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	35.8	29.1	43.7
68	7.6	6.2	9.2

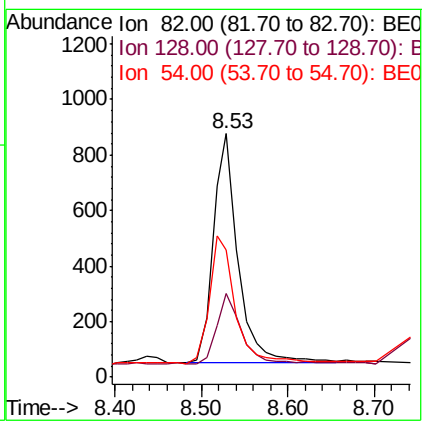


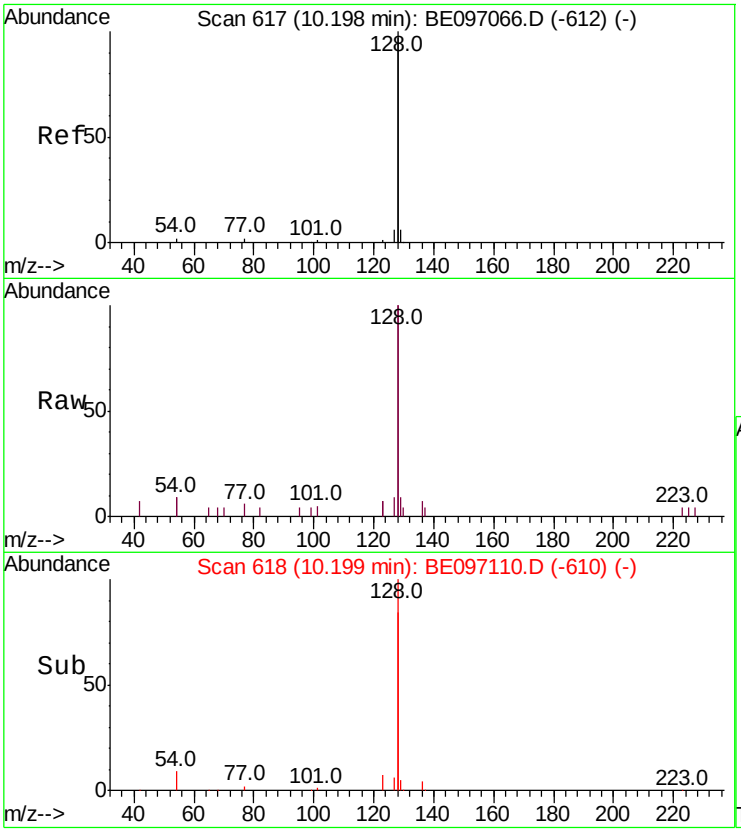


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion: 82 Resp: 1648

Ion	Ratio	Lower	Upper
82	100		
128	34.2	24.0	36.0
54	52.2	40.0	60.0



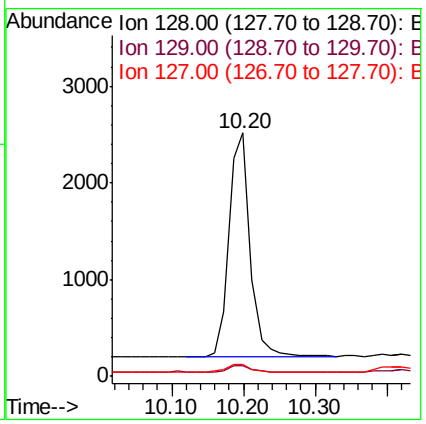


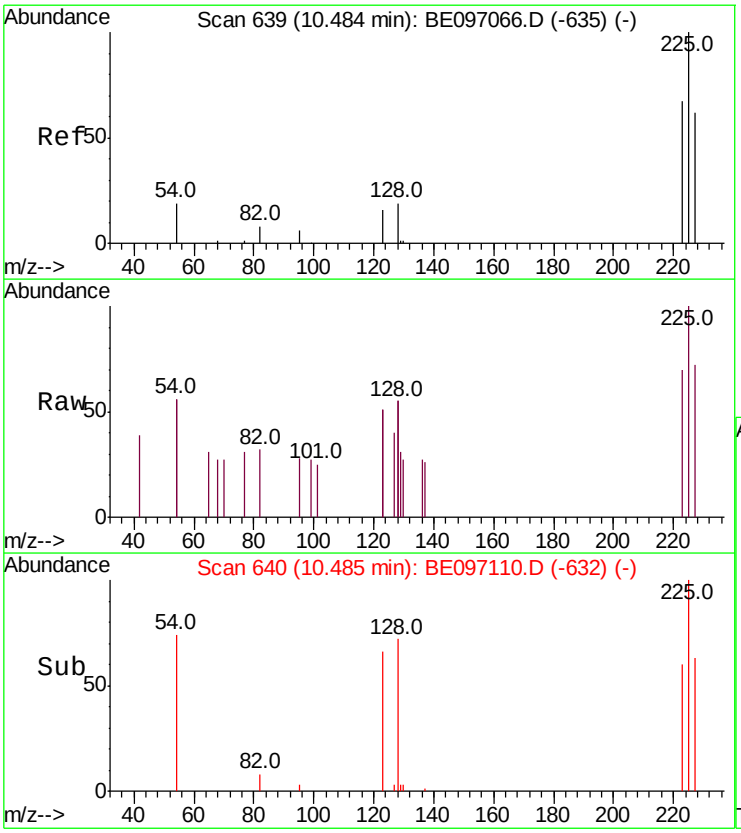
#9
Naphthalene
Concen: 0.098 ng
RT: 10.20 min Scan# 618
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 4747

Ion	Ratio	Lower	Upper
128	100		
129	4.3	2.6	3.8#
127	4.7	2.8	4.2#

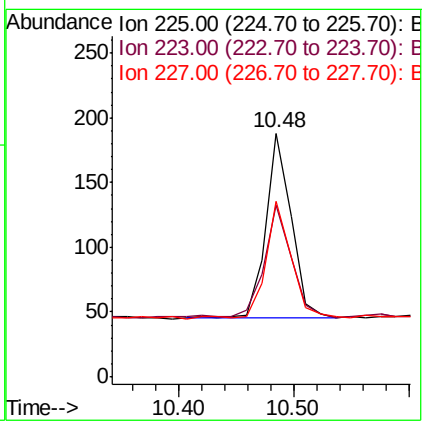


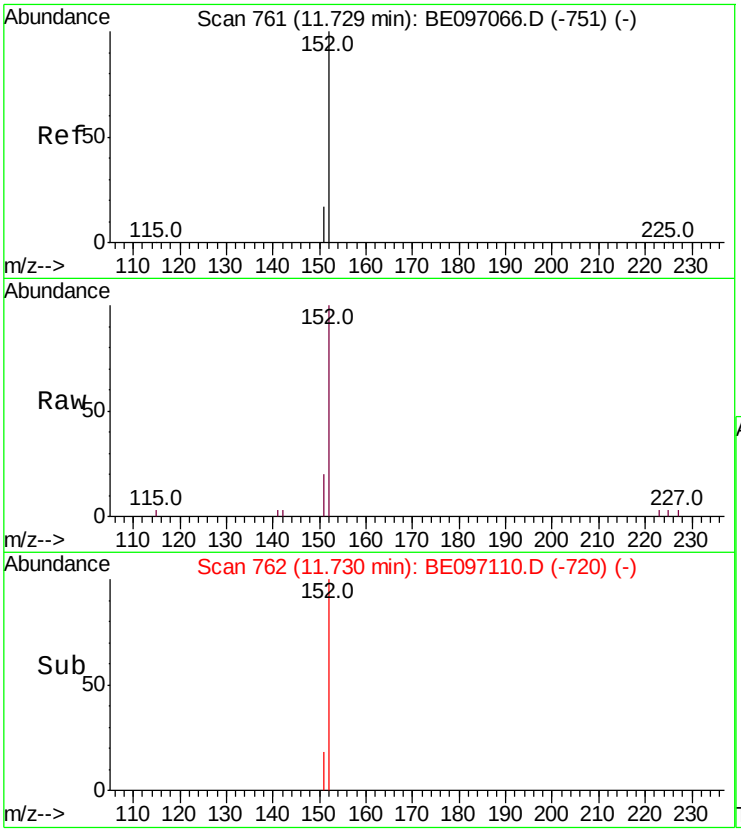


#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 10.48 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:225 Resp: 222

Ion	Ratio	Lower	Upper
225	100		
223	67.1	53.0	79.6
227	66.2	51.4	77.2



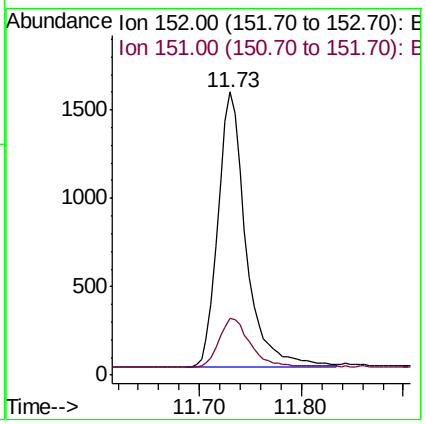


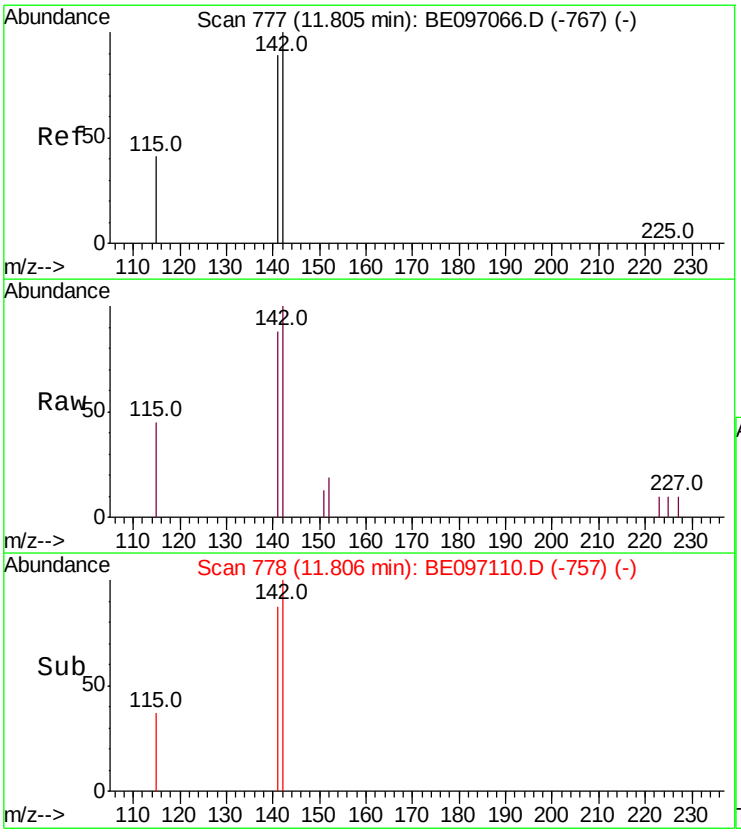
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2974

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.0

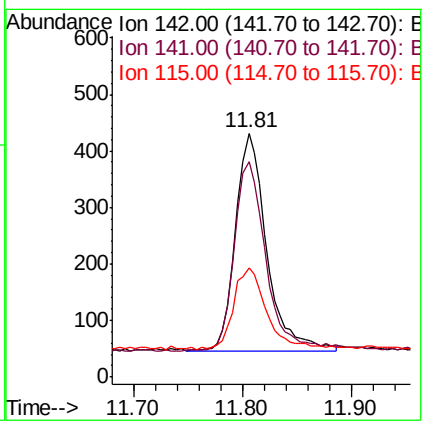


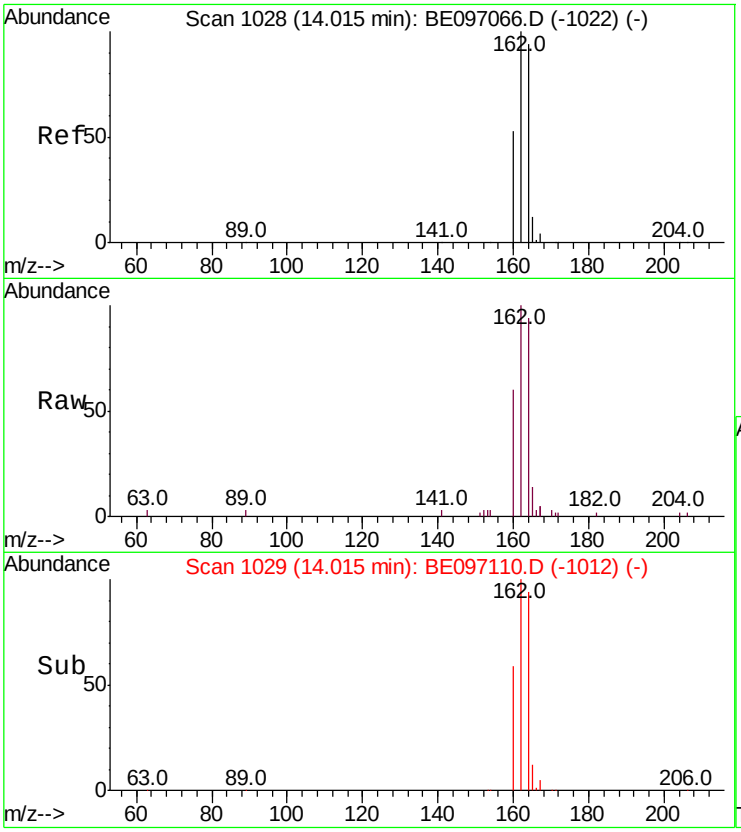


#12
2-Methylnaphthalene
Concen: 0.091 ng
RT: 11.81 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:142 Resp: 759

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6
115	44.8	31.7	47.5



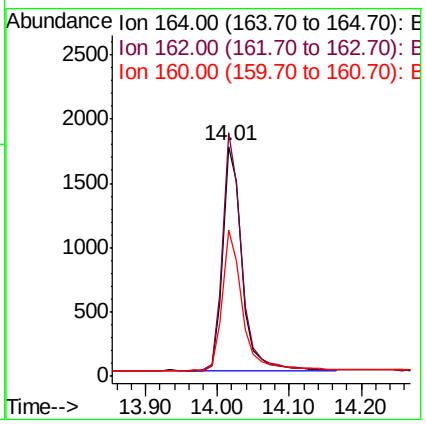


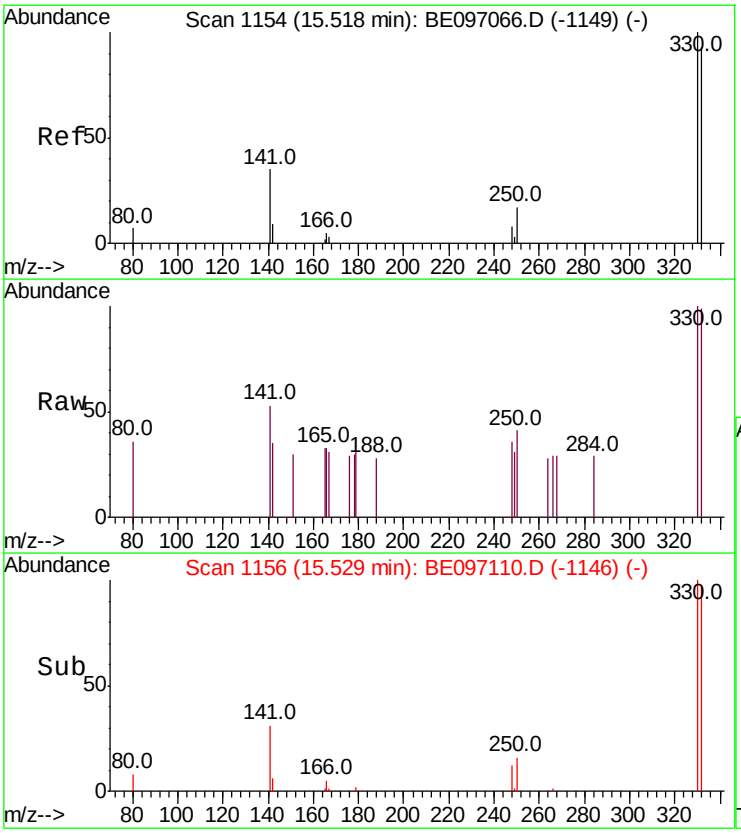
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 3208

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.1	124.7
160	63.5	37.1	55.7#

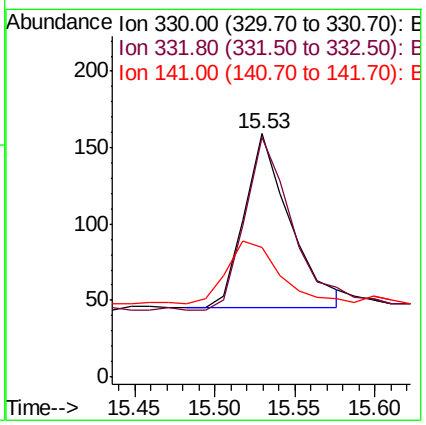


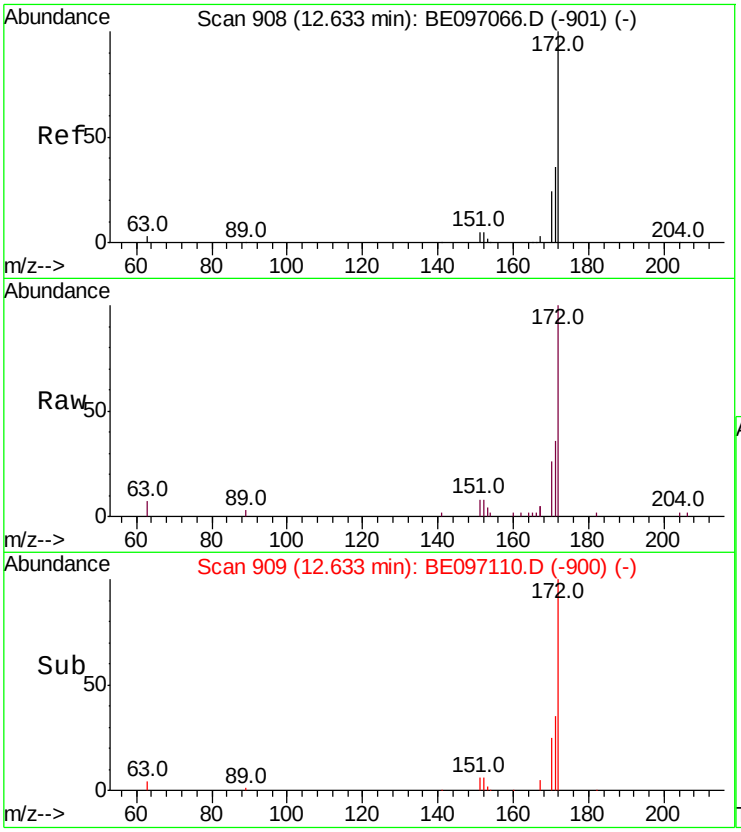


#14
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 15.53 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:330 Resp: 227

Ion	Ratio	Lower	Upper
330	100		
332	102.6	152.7	229.1#
141	41.4	33.7	50.5



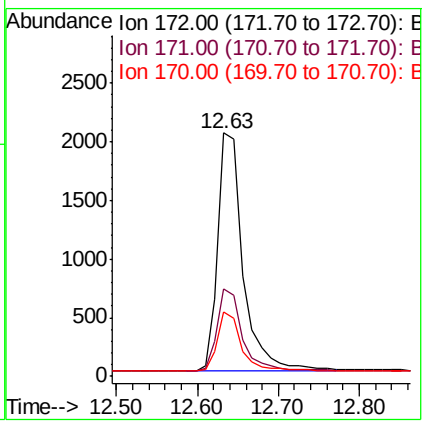


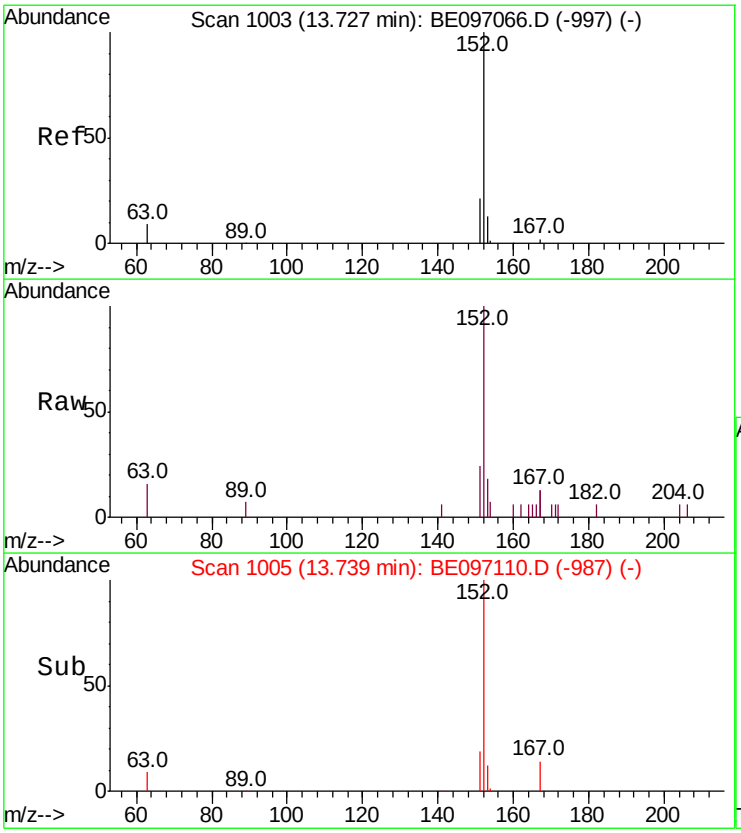
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.63 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 4415

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	26.2	21.8	32.8

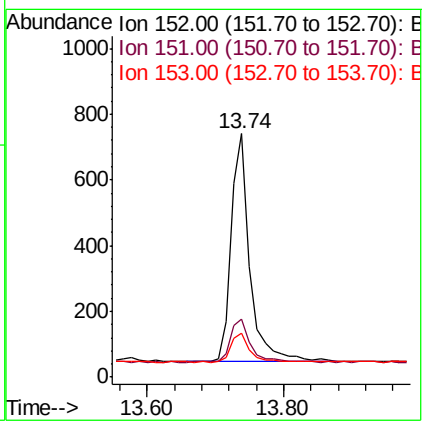


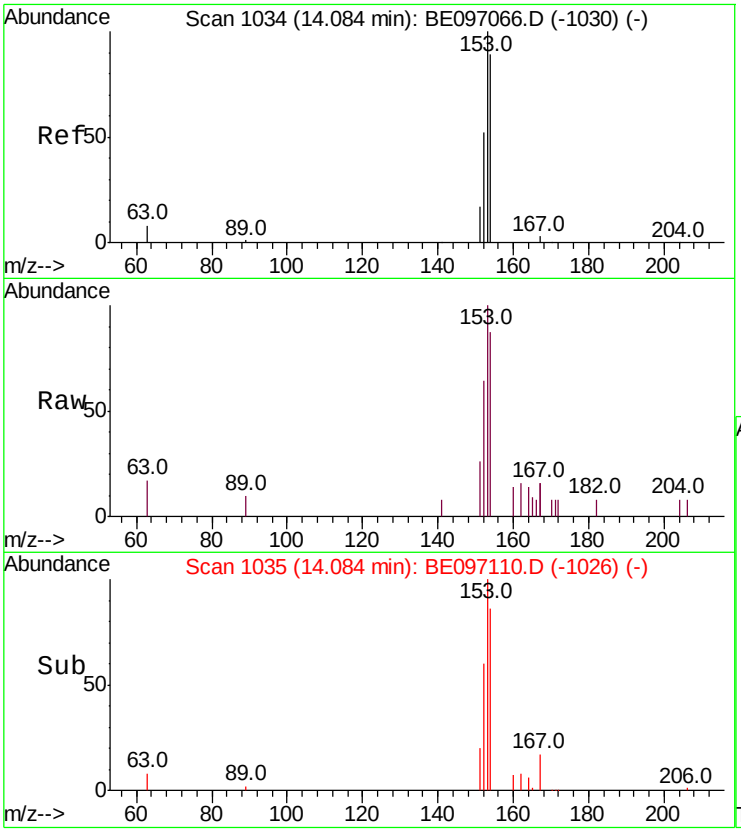


#16
Acenaphthylene
Concen: 0.093 ng
RT: 13.74 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:152 Resp: 1338

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.1	10.5	15.7



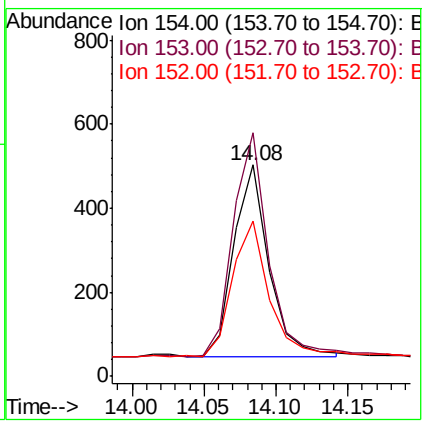


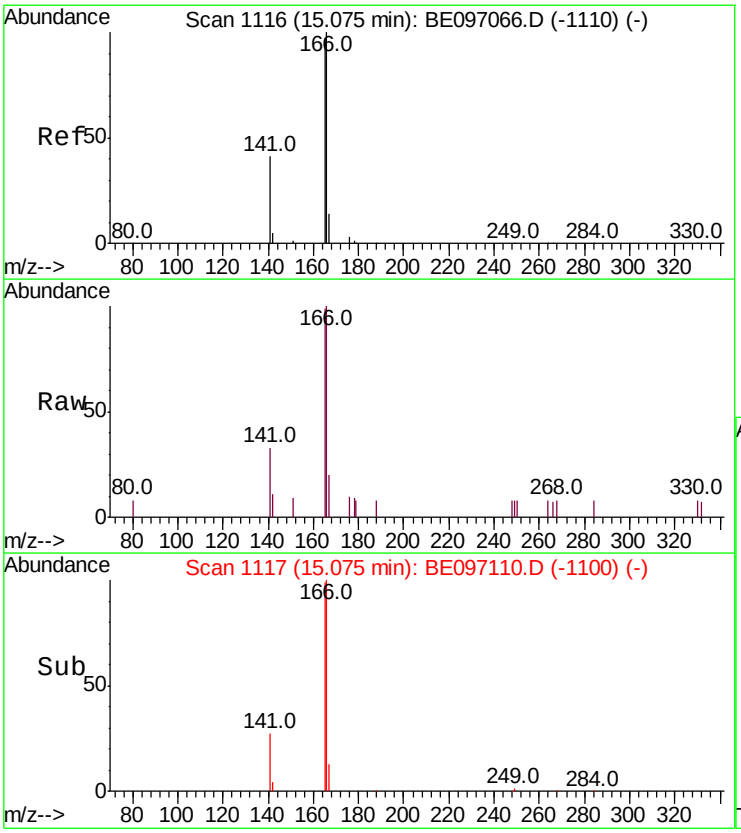
#17
Acenaphthene
Concen: 0.092 ng
RT: 14.08 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 766

Ion	Ratio	Lower	Upper
154	100		
153	118.5	89.2	133.8
152	73.6	42.0	63.0#

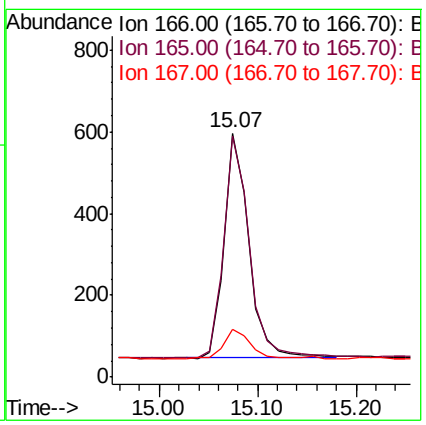


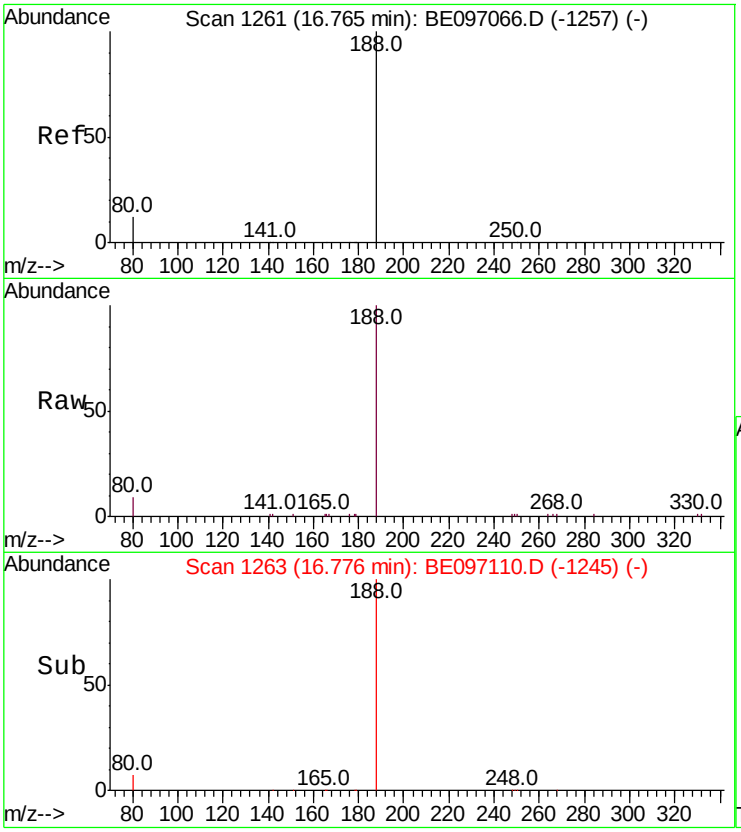


#18
Fluorene
Concen: 0.087 ng
RT: 15.07 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:166 Resp: 957

Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.8	116.6
167	15.0	42.4	63.6#



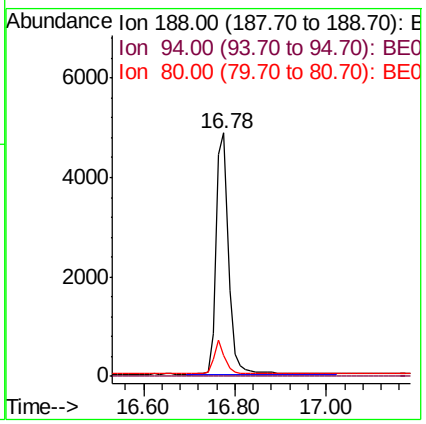


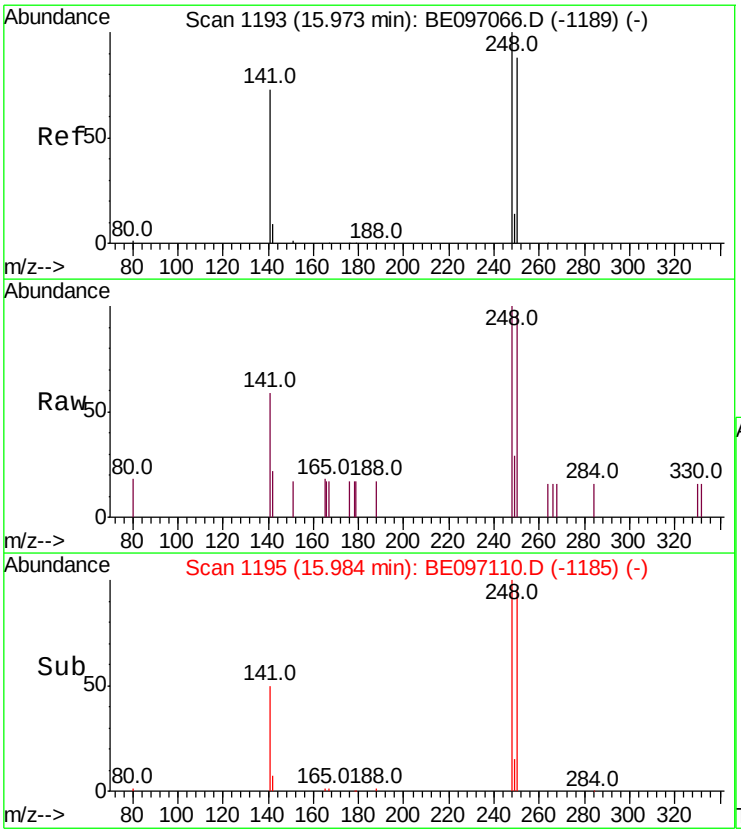
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 8980

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.6	3.6	5.4#

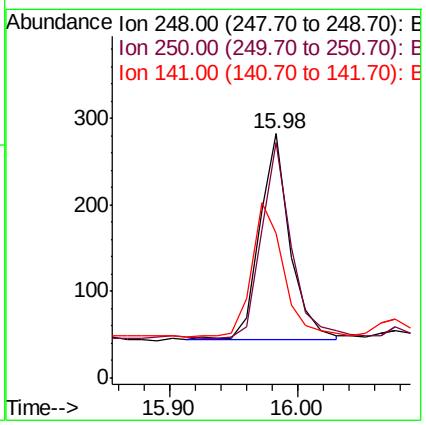


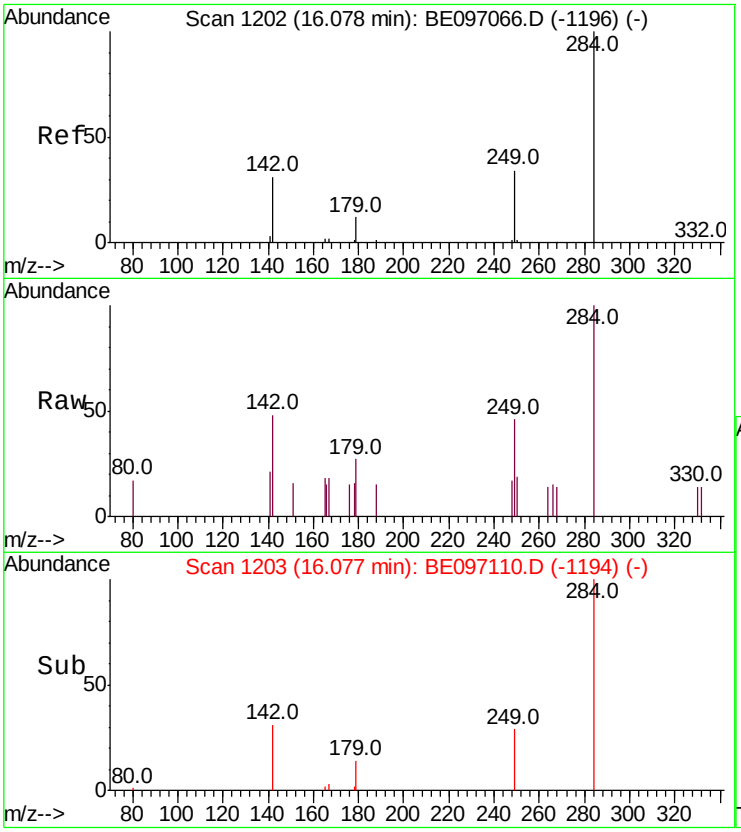


#20
4-Bromophenyl-phenylether
Concen: 0.090 ng
RT: 15.98 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:248 Resp: 394

Ion	Ratio	Lower	Upper
248	100		
250	96.5	62.7	94.1#
141	59.2	48.2	72.2



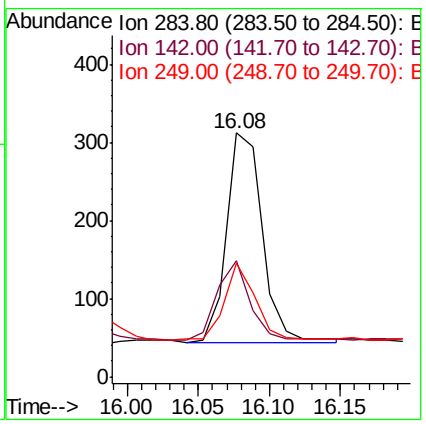


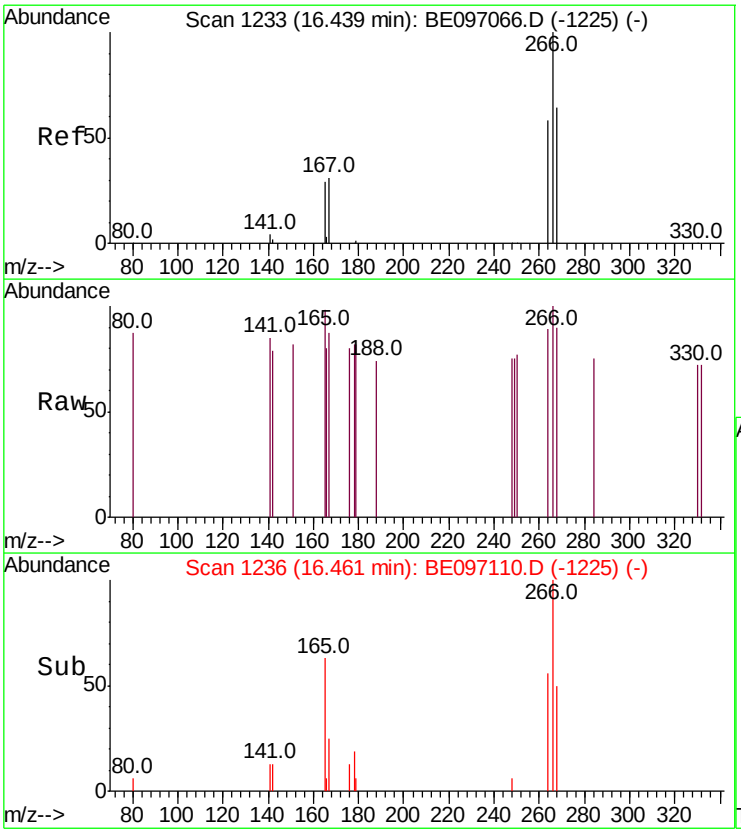
#21
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.08 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 468

Ion	Ratio	Lower	Upper
284	100		
142	34.6	22.1	33.1#
249	31.6	34.8	52.2#

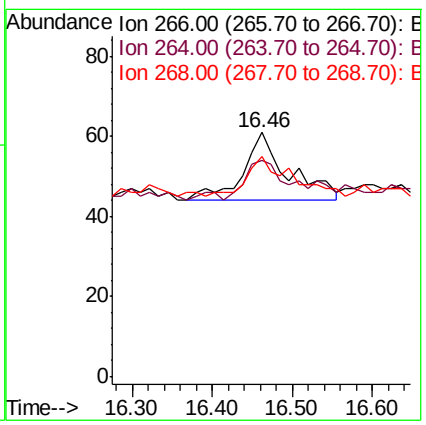


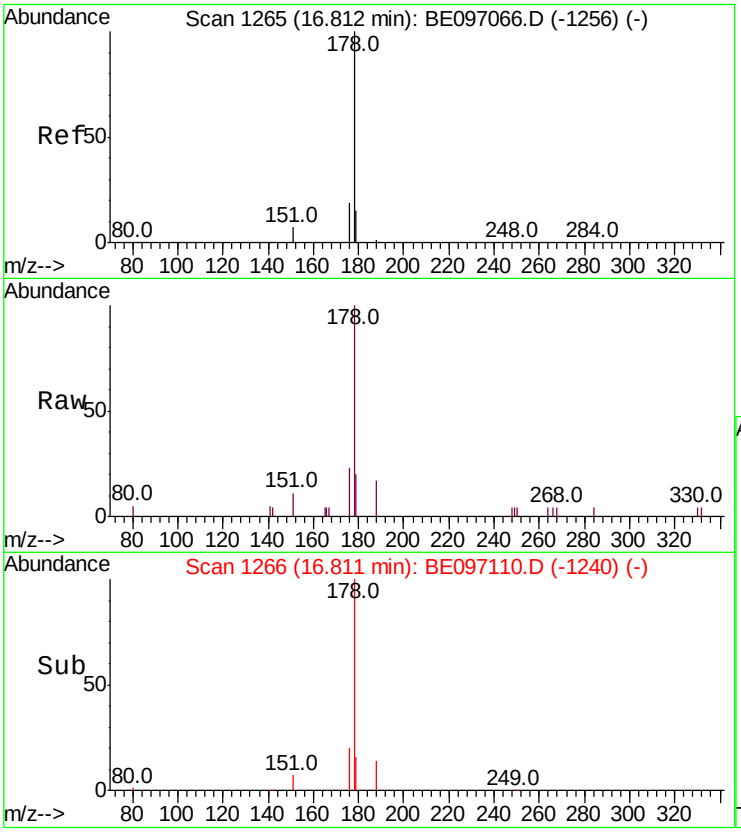


#22
Pentachlorophenol
Concen: 0.095 ng
RT: 16.46 min Scan# 1236
Delta R.T. 0.02 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:266 Resp: 67

Ion	Ratio	Lower	Upper
266	100		
264	88.5	72.5	108.7
268	90.2	73.8	110.6



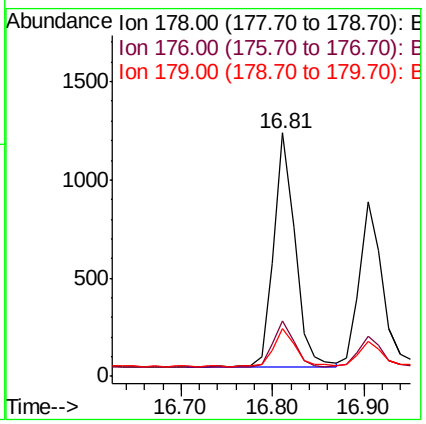


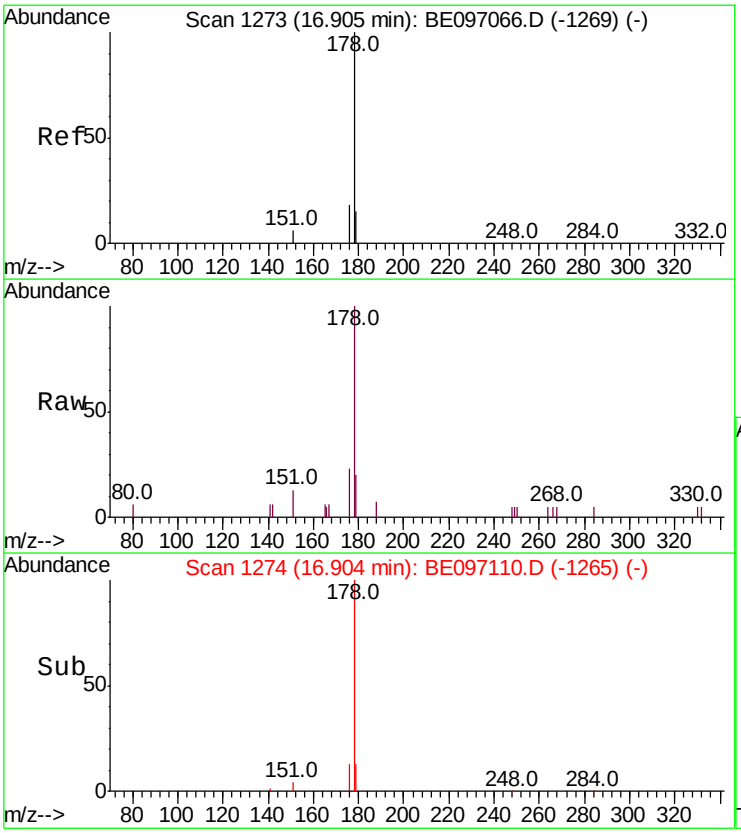
#23
Phenanthrene
Concen: 0.091 ng
RT: 16.81 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 1942

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	16.6	11.8	17.6

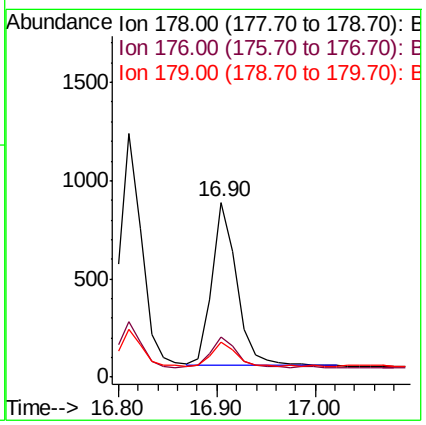


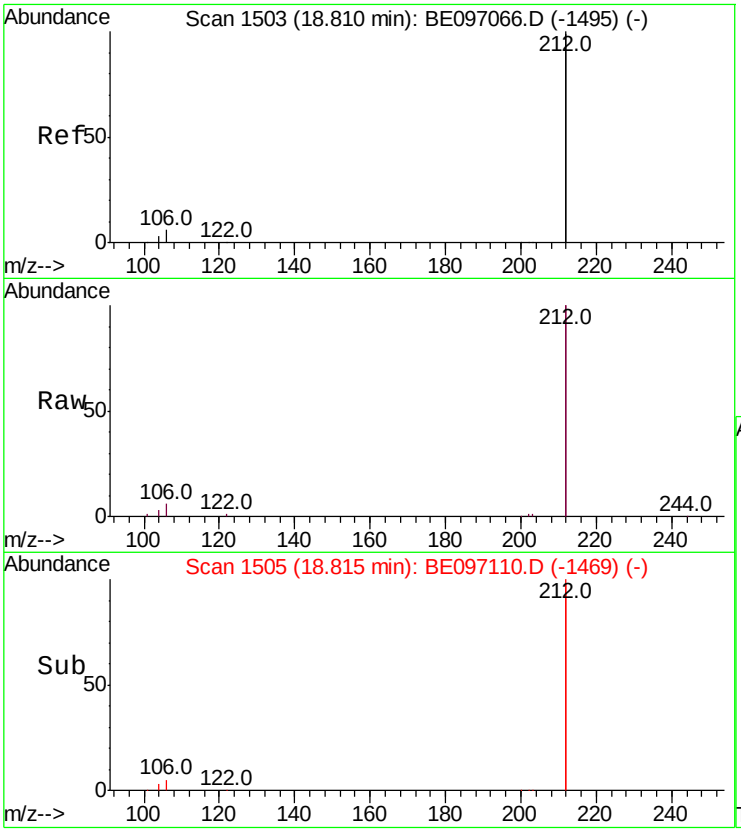


#24
Anthracene
Concen: 0.077 ng
RT: 16.90 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:178 Resp: 1466

Ion	Ratio	Lower	Upper
178	100		
176	19.4	12.8	19.2#
179	14.7	13.0	19.6



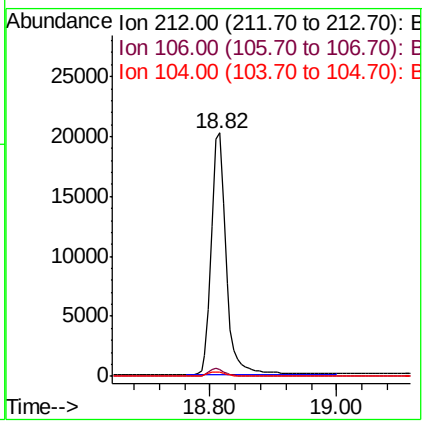


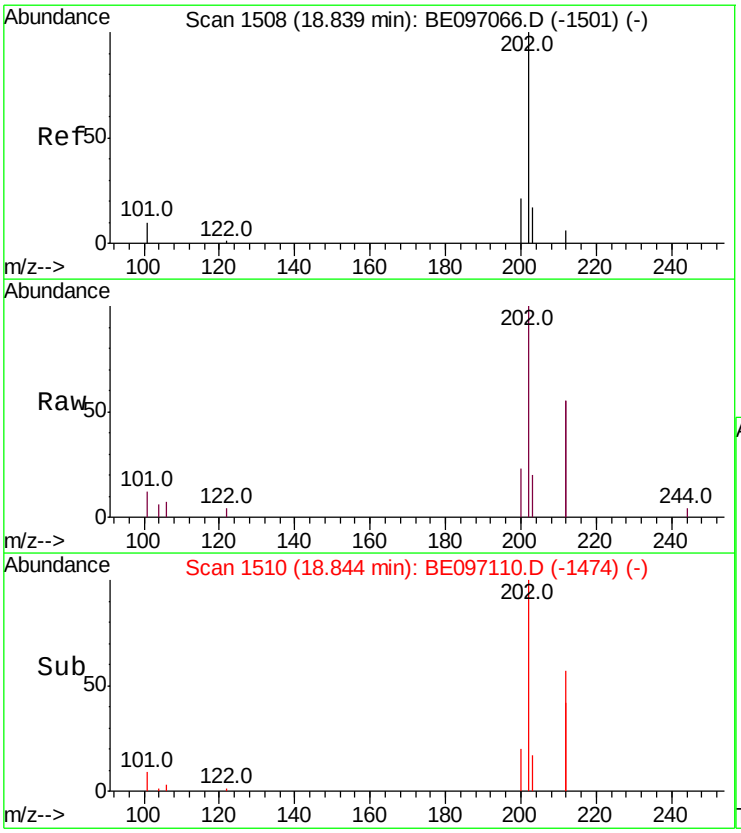
#25
Fluoranthene-d10
Concen: 0.356 ng
RT: 18.82 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 31958

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

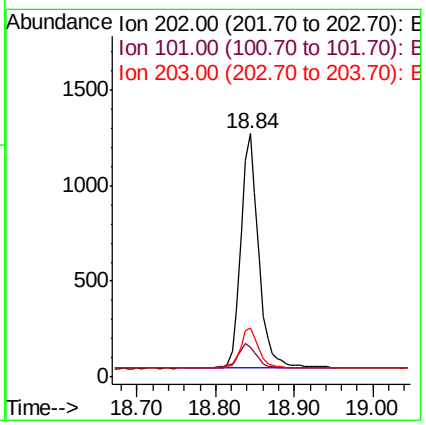


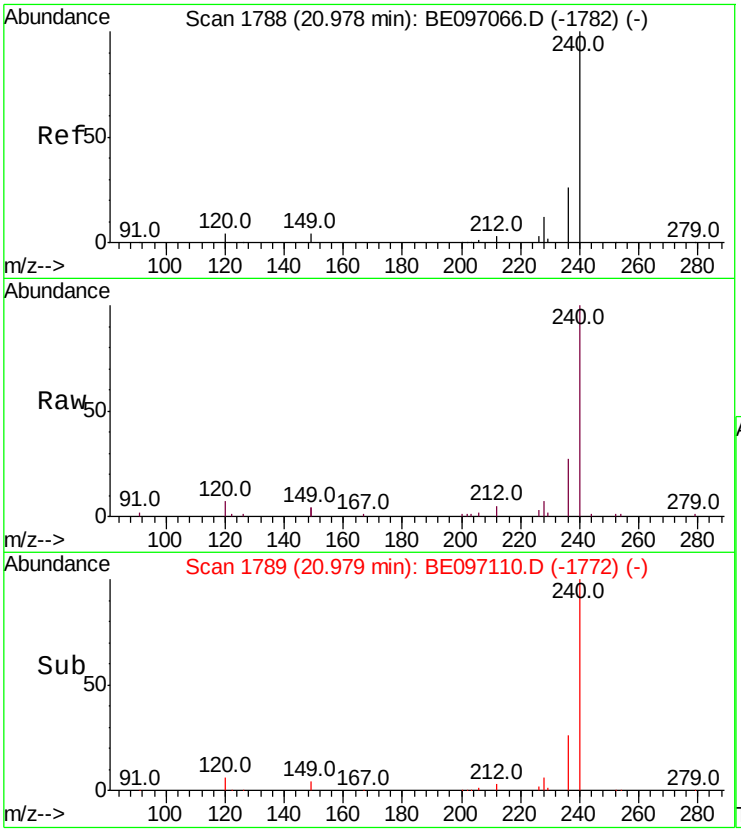


#26
Fluoranthene
Concen: 0.081 ng
RT: 18.84 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:202 Resp: 1953

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	17.7	13.7	20.5



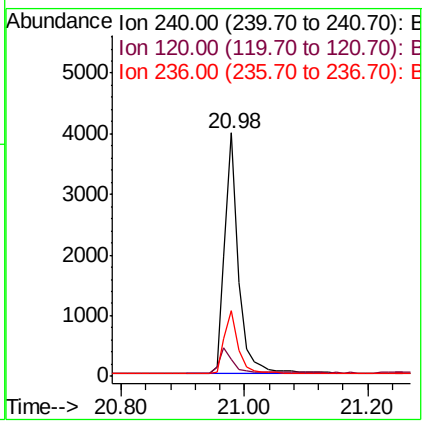


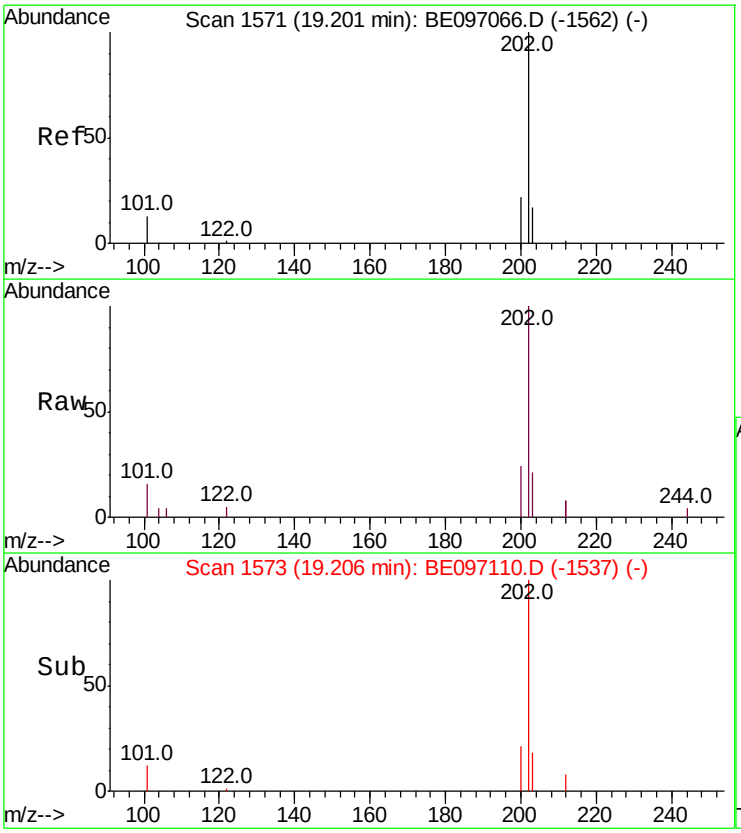
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 6235

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.5	8.3
236	27.0	20.7	31.1

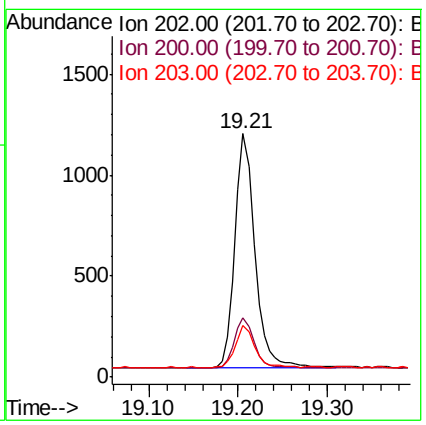


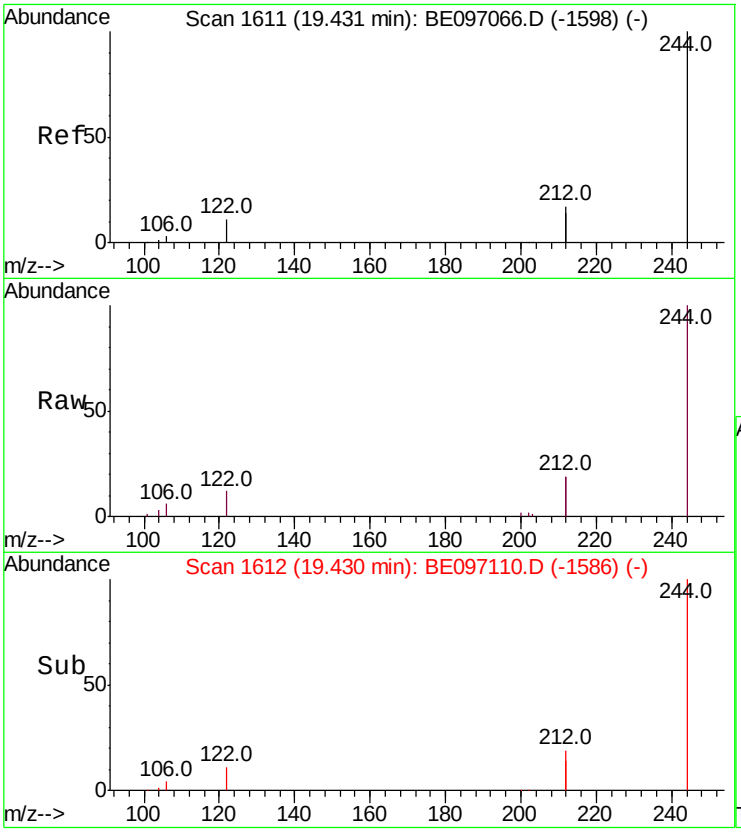


#28
Pyrene
Concen: 0.102 ng
RT: 19.21 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:202 Resp: 1740

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.6	25.0
203	17.8	13.8	20.8



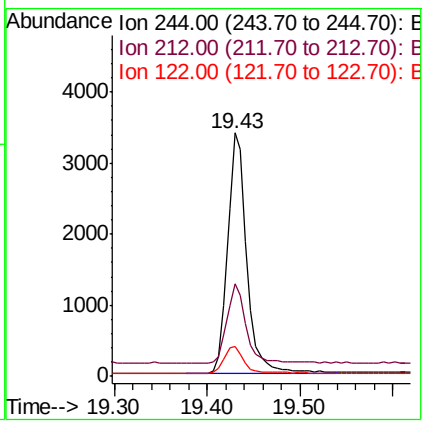


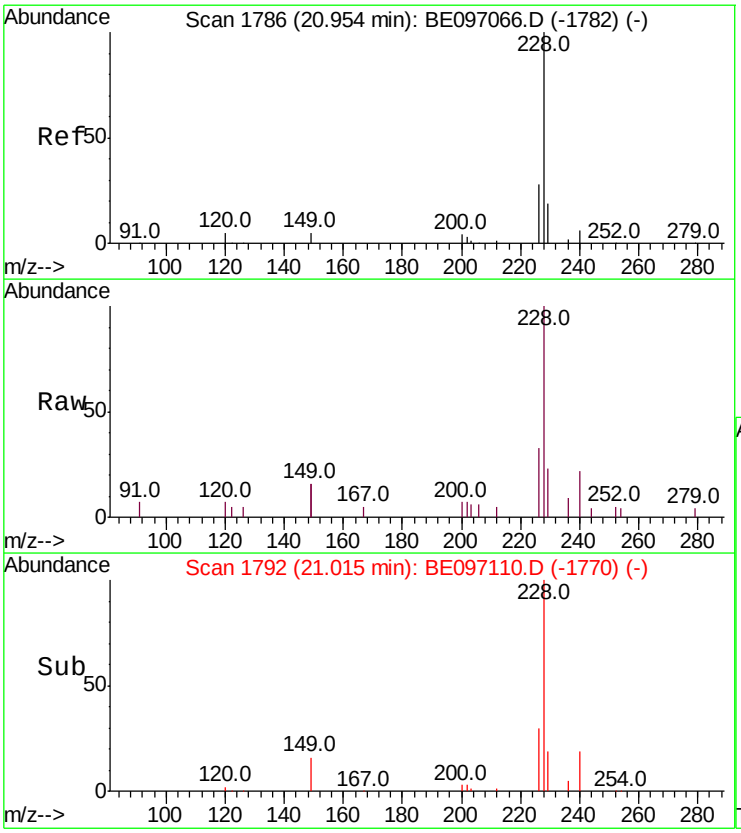
#29
Terphenyl-d14
Concen: 0.404 ng
RT: 19.43 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4837

Ion	Ratio	Lower	Upper
244	100		
212	38.1	25.4	38.0#
122	12.2	8.1	12.1#

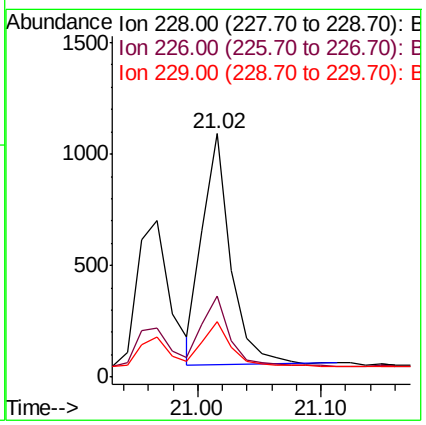


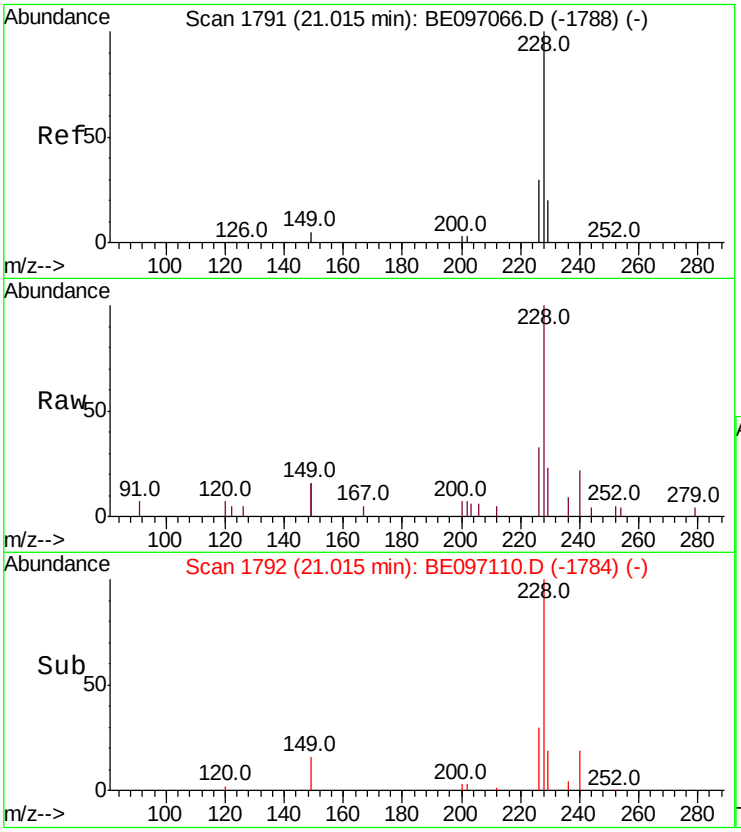


#30
Benzo(a)anthracene
Concen: 0.107 ng
RT: 21.02 min Scan# 1792
Delta R.T. 0.06 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:228 Resp: 1657

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	22.8	16.0	24.0



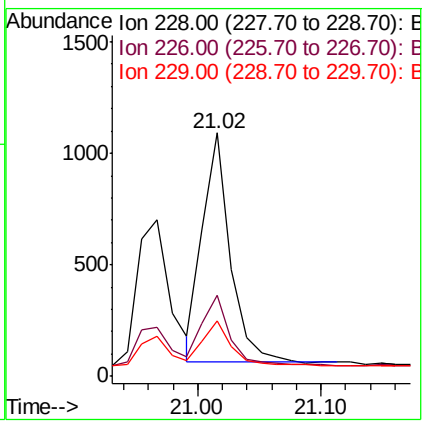


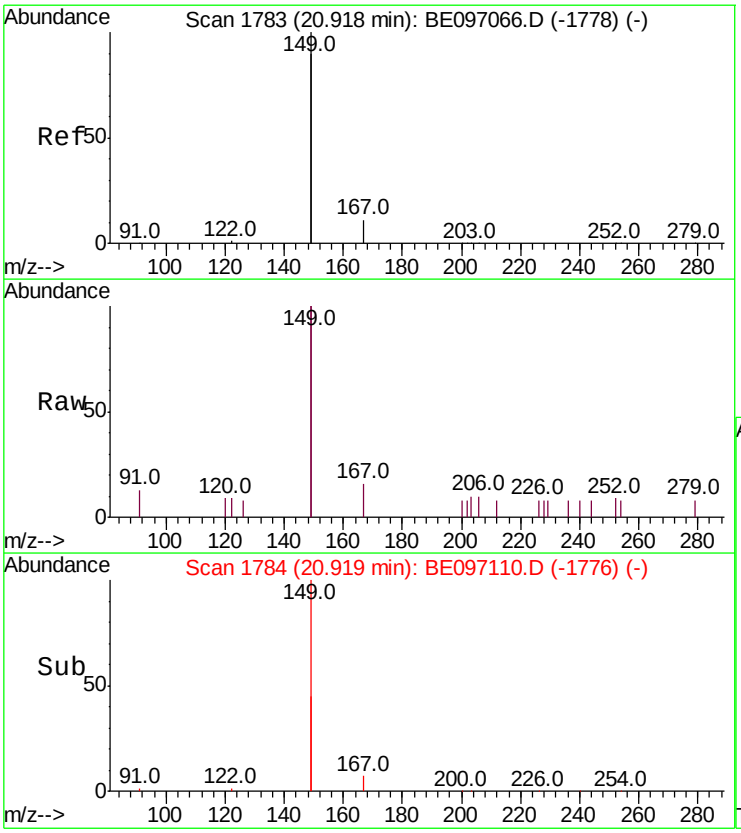
#31
Chrysene
Concen: 0.097 ng
RT: 21.02 min Scan# 1792
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 1617

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	22.8	16.0	24.0

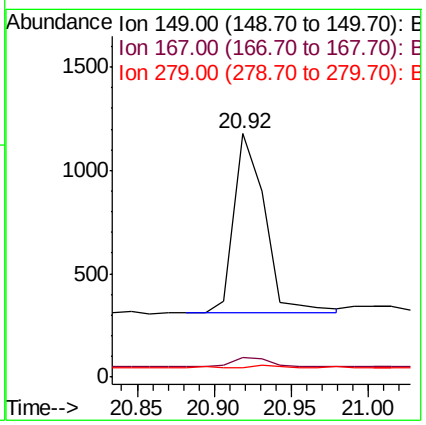


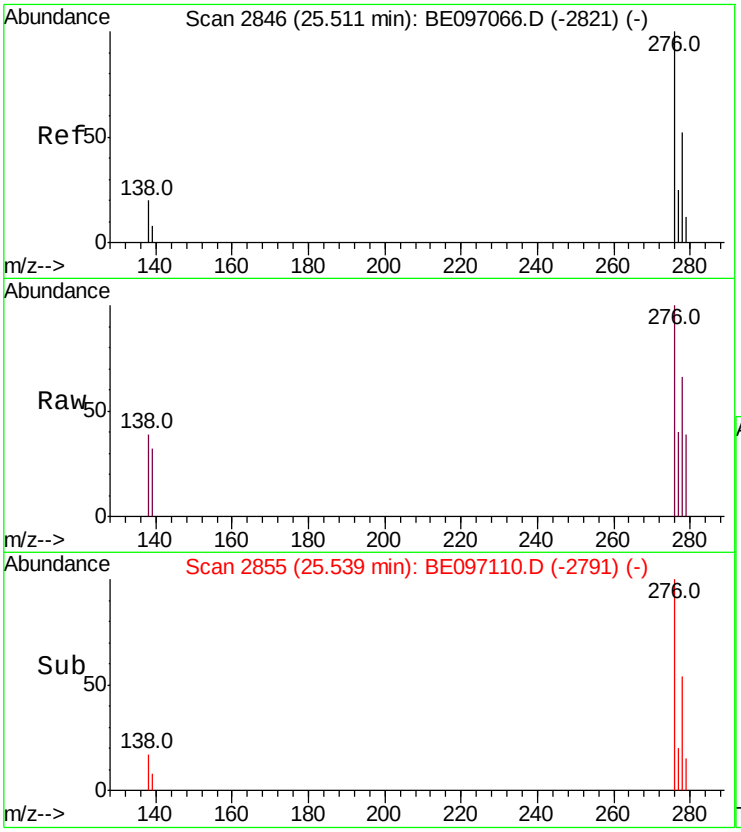


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.066 ng
RT: 20.92 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:149 Resp: 1209

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	1.5	0.7	1.1#



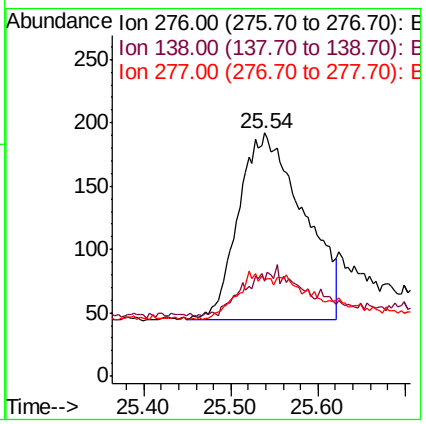


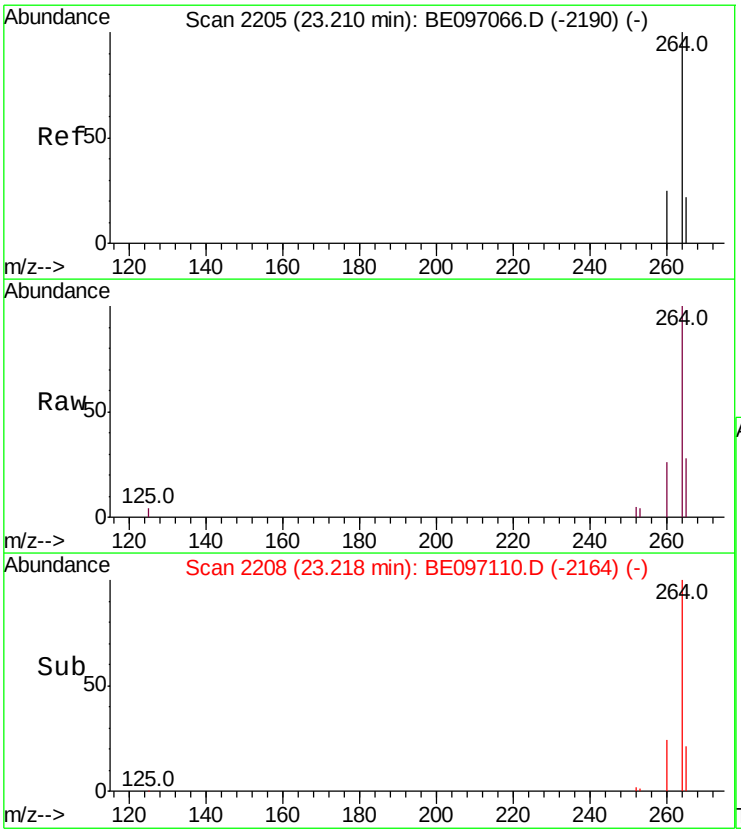
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.051 ng
RT: 25.54 min Scan# 2855
Delta R.T. 0.03 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 762

Ion	Ratio	Lower	Upper
276	100		
138	1.0	22.5	33.7#
277	0.0	19.9	29.9#

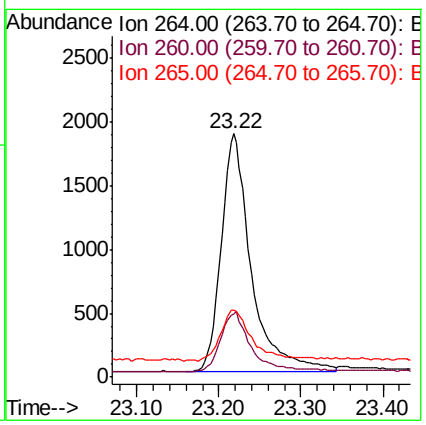


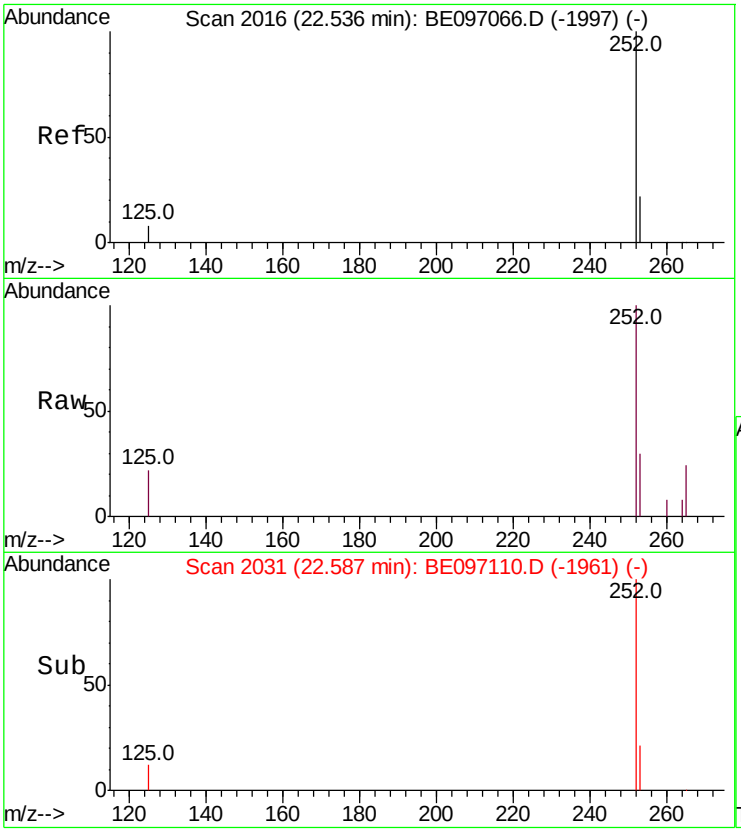


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:264 Resp: 4715

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	27.6	22.8	34.2



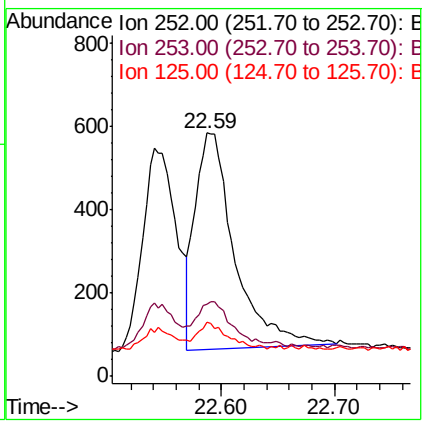


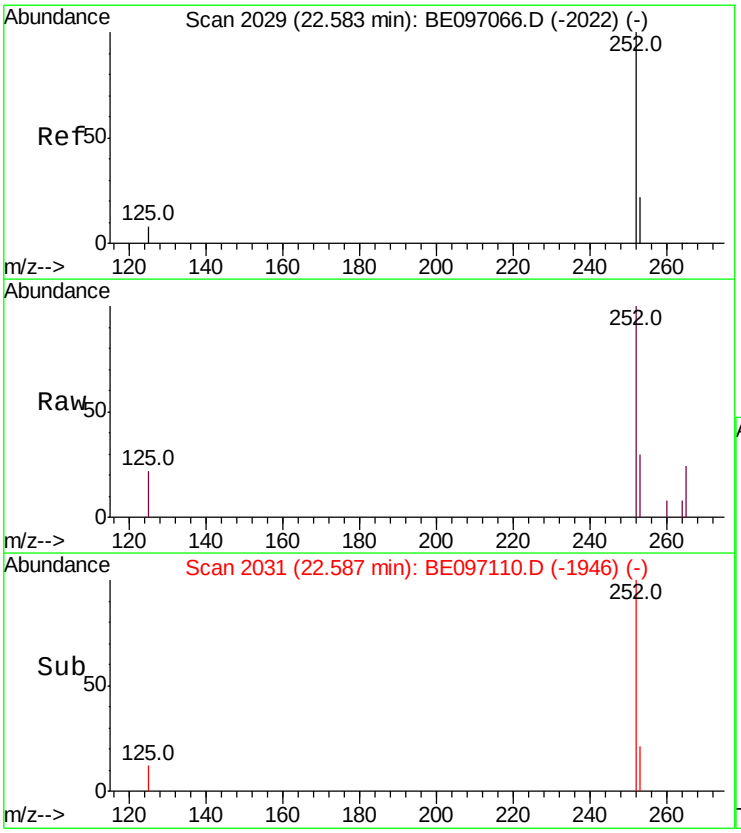
#35
Benzo(b)fluoranthene
Concen: 0.105 ng
RT: 22.59 min Scan# 2031
Delta R.T. 0.05 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1261

Ion	Ratio	Lower	Upper
252	100		
253	29.7	20.0	30.0
125	22.1	16.0	24.0

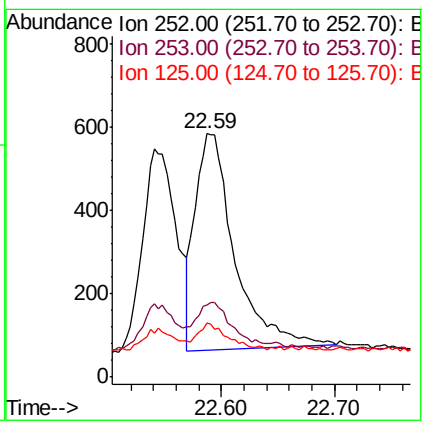


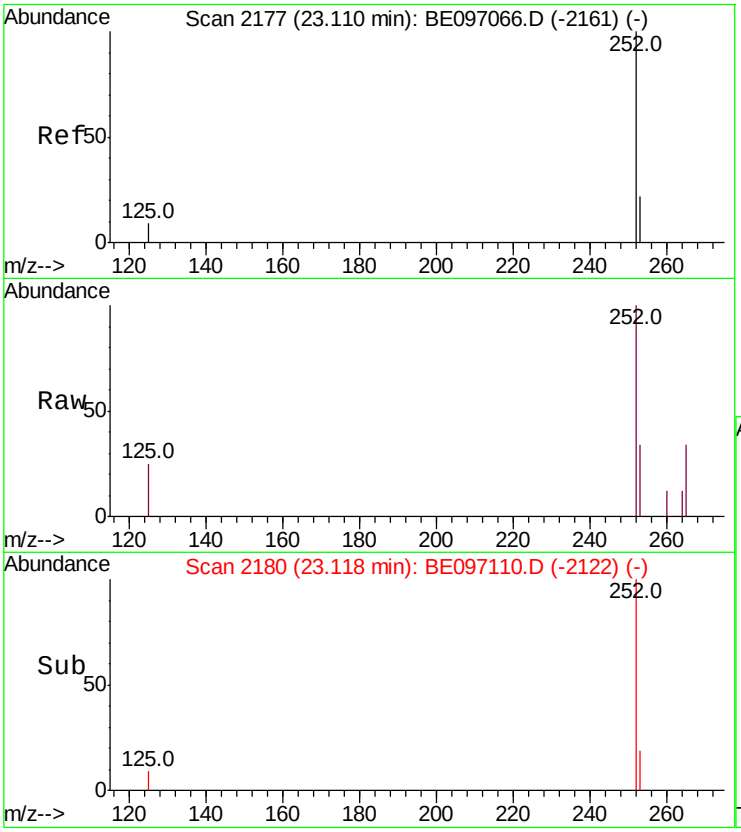


#36
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 22.59 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:252 Resp: 1261

Ion	Ratio	Lower	Upper
252	100		
253	29.7	16.0	24.0#
125	22.1	8.0	12.0#



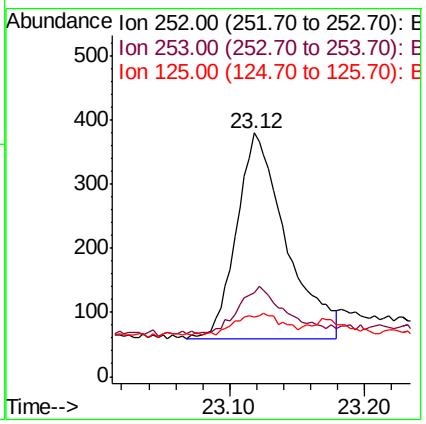


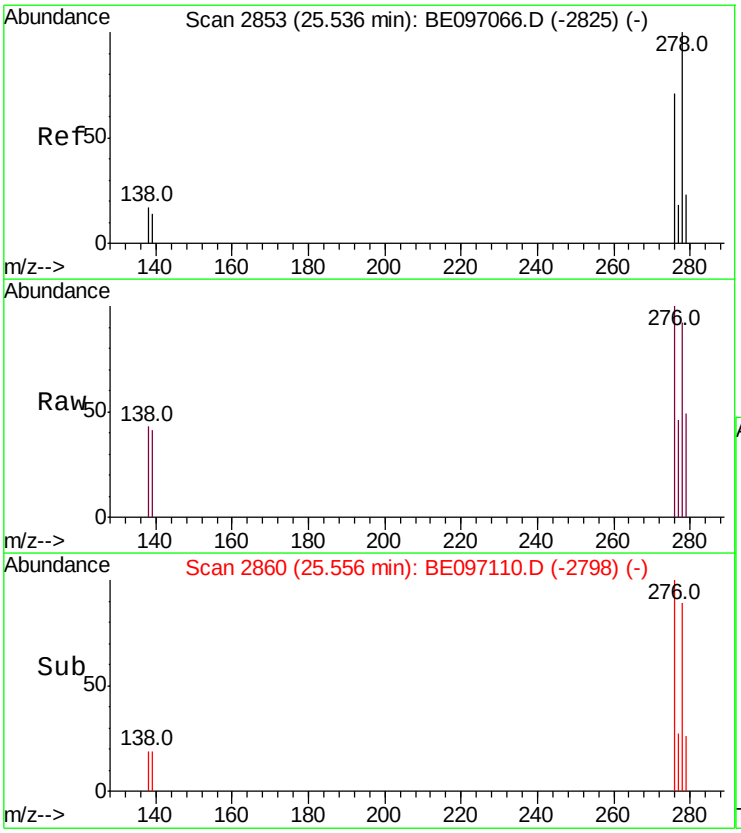
#37
Benzo(a)pyrene
Concen: 0.073 ng
RT: 23.12 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 823

Ion	Ratio	Lower	Upper
252	100		
253	34.3	16.0	24.0#
125	24.5	12.0	18.0#

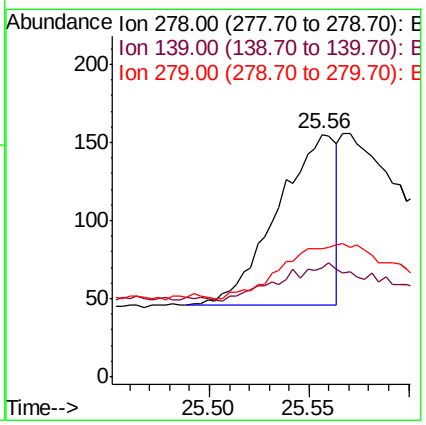


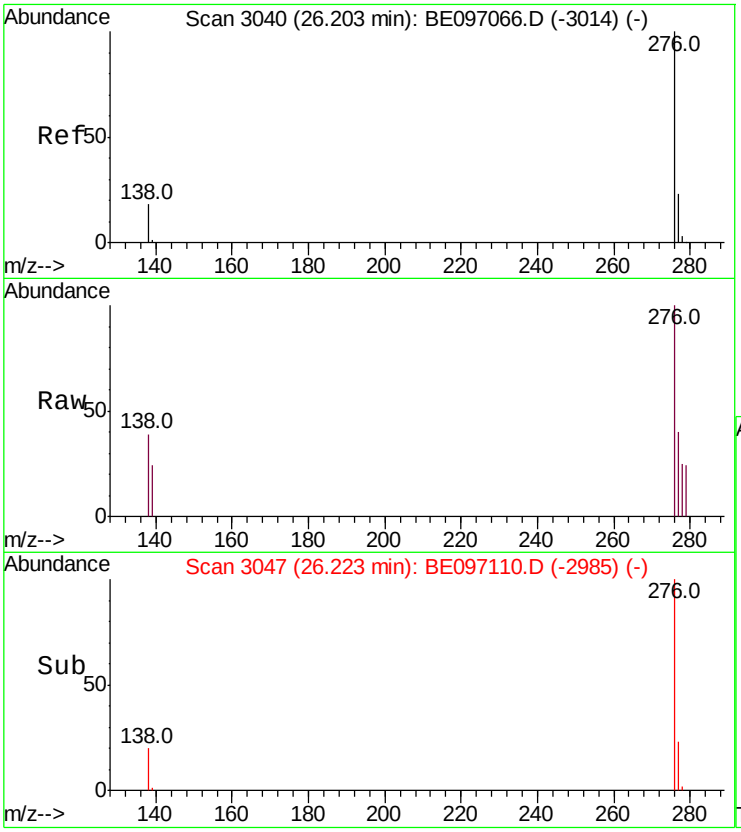


#38
Dibenzo(a,h)anthracene
Concen: 0.020 ng
RT: 25.56 min Scan# 2860
Delta R.T. 0.02 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:278 Resp: 222

Ion	Ratio	Lower	Upper
278	100		
139	45.2	16.0	24.0#
279	52.9	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.070 ng
RT: 26.22 min Scan# 3047
Delta R.T. 0.02 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 838

Ion	Ratio	Lower	Upper
276	100		
277	40.0	16.0	24.0#
138	38.6	20.0	30.0#