Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
Data File : BE097727.D
Acq On : 4 Oct 2018 16:10
Operator : SJ/JU
Sample : PB113508BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB113508BS

Quant Time: Oct 05 06:50:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4453	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	16264	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	7740	0.40	ng		0.00
19) Phenanthrene-d10	17.30	188	17506	0.40	ng		0.00
27) Chrysene-d12	21.49	240	17445	0.40	ng		0.00
34) Perylene-d12	24.04	264	16246	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	4175	0.40	ng		0.00
5) Phenol-d6	7.05	99	5895	0.37	ng		0.00
8) Nitrobenzene-d5	9.04	82	2915	0.55	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	14481	0.56	ng		0.00
14) 2,4,6-Tribromophenol	16.04	330	461	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.17	172	14696	0.43	ng		-0.01
25) Fluoranthene-d10	19.33	212	78457	0.35	ng		0.00
29) Terphenyl-d14	19.94	244	13416	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	2257	0.254	ng		95
3) n-Nitrosodimethylamine	3.71	42	3253	0.403	ng	#	88
6) bis(2-Chloroethyl)ether	7.31	93	5706	0.342	ng		96
9) Naphthalene	10.74	128	67982	0.415	ng		99
10) Hexachlorobutadiene	11.04	225	3322	0.382	ng		99
12) 2-Methylnaphthalene	12.37	142	10734	0.409	ng		96
16) Acenaphthylene	14.27	152	14092	0.411	ng		98
17) Acenaphthene	14.62	154	8481	0.386	ng		99
18) Fluorene	15.60	166	11260	0.386	ng		99
20) 4-Bromophenyl-phenylether	16.50	248	3690	0.402	ng		96
21) Hexachlorobenzene	16.60	284	4046	0.392	ng		99
22) Pentachlorophenol	16.95	266	1097	0.677	ng		98
23) Phenanthrene	17.34	178	19126	0.424	ng		100
24) Anthracene	17.43	178	16029	0.412	ng		100
26) Fluoranthene	19.36	202	21111	0.367	ng		99
28) Pyrene	19.72	202	20832	0.470	ng		99
30) Benzo(a)anthracene	21.46	228	20054	0.428	ng		98
31) Chrysene	21.52	228	22798	0.435	ng		99
32) Bis(2-ethylhexyl)phthalate	21.41	149	13412	0.391	ng		99
33) Indeno(1,2,3-cd)pyrene	26.74	276	23901	0.525	ng		98
35) Benzo(b)fluoranthene	23.26	252	19540	0.438	ng		100
36) Benzo(k)fluoranthene	23.31	252	21210	0.429	ng		97
37) Benzo(a)pyrene	23.93	252	18534	0.459	ng		98
38) Dibenzo(a,h)anthracene	26.77	278	20312	0.511	ng		97
39) Benzo(g,h,i)perylene	27.55	276	21947	0.528	ng		99

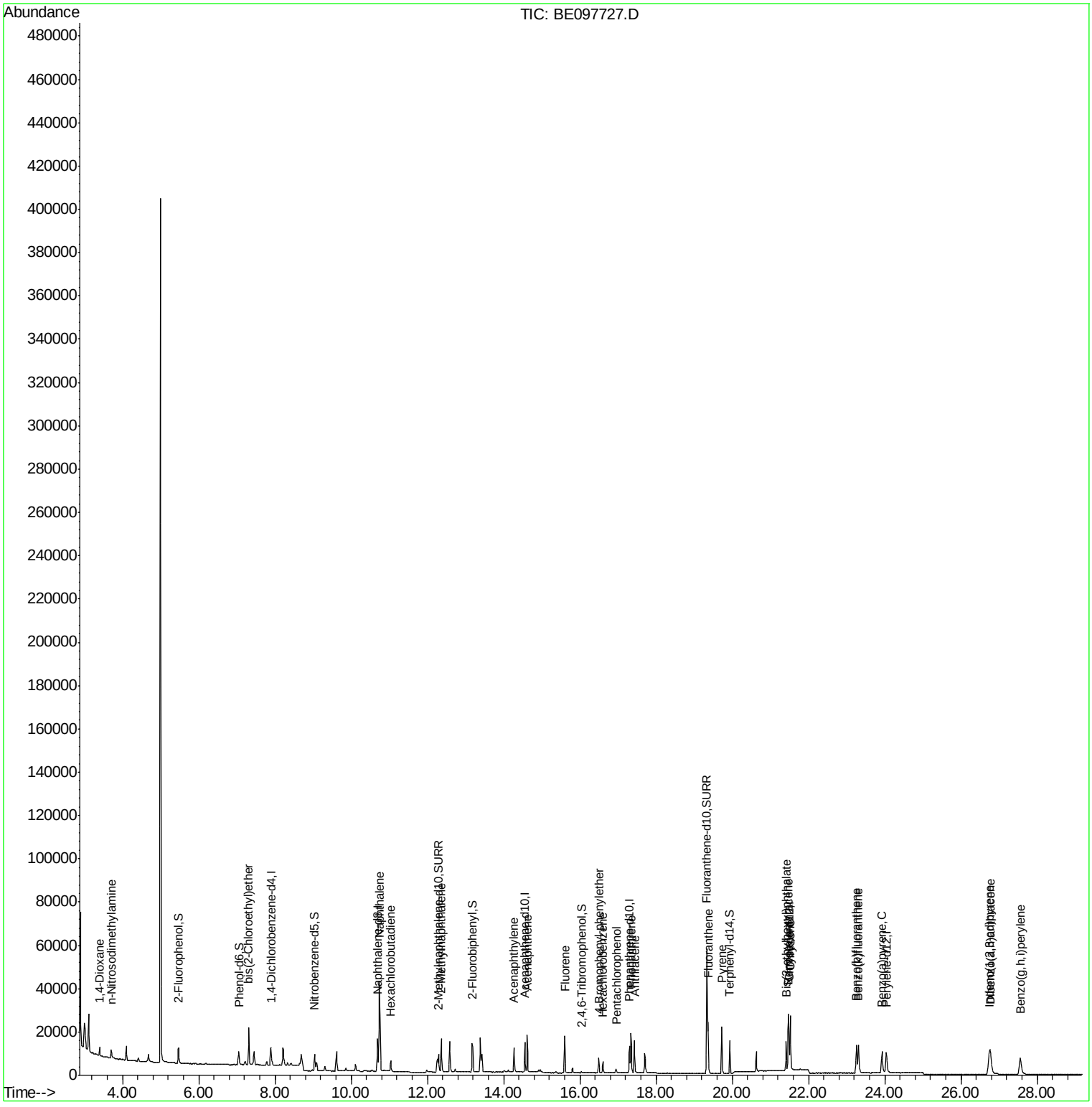
(#) = qualifier out of range (m) = manual integration (+) = signals summed

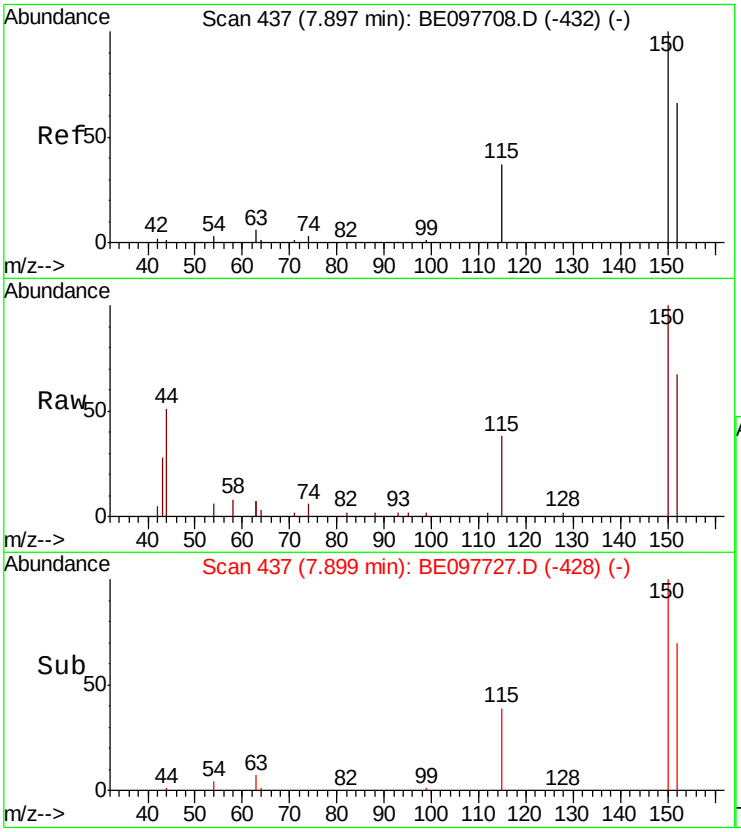
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
Data File : BE097727.D
Acq On : 4 Oct 2018 16:10
Operator : SJ/JU
Sample : PB113508BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Quant Time: Oct 05 06:50:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration



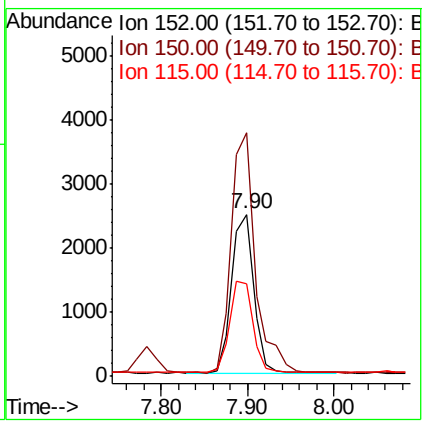


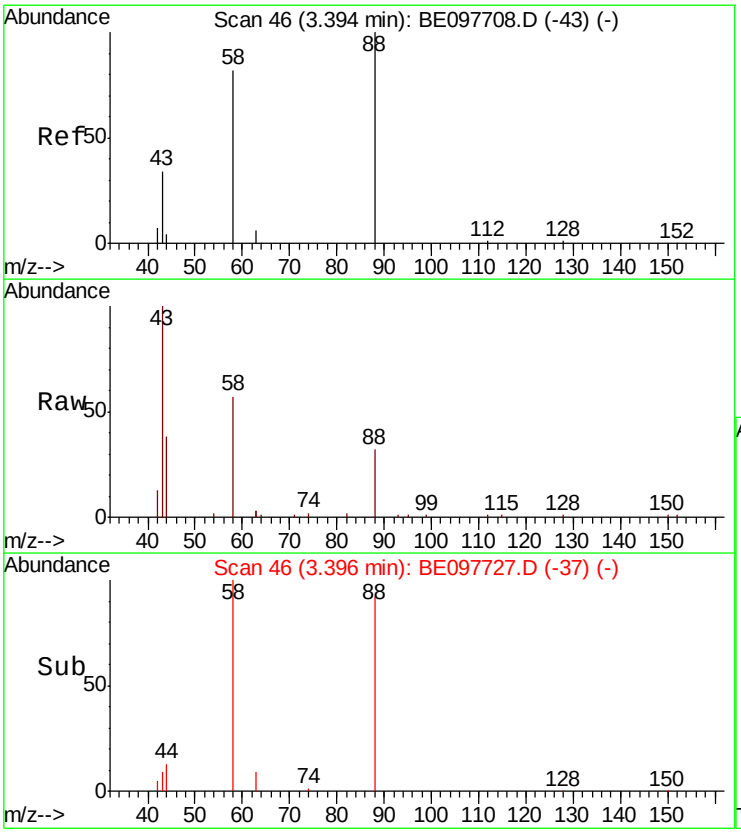
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:152 Resp: 4453

Ion	Ratio	Lower	Upper
152	100		
150	150.4	120.9	181.3
115	57.5	46.6	69.8

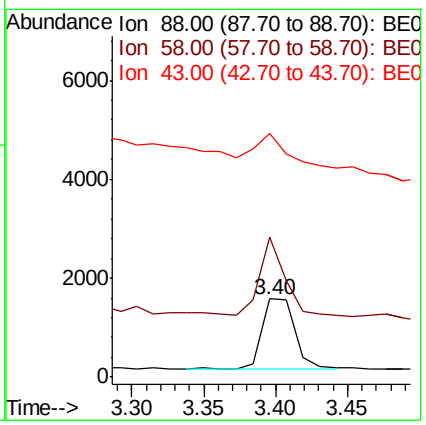


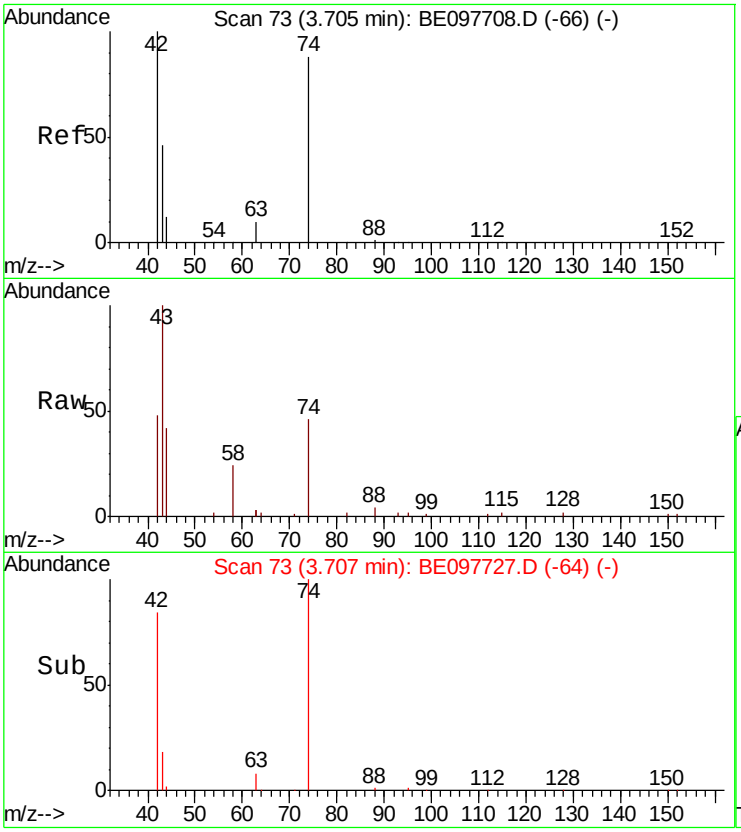


#2
1,4-Dioxane
Concen: 0.254 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion: 88 Resp: 2257

Ion	Ratio	Lower	Upper
88	100		
58	86.2	70.8	106.2
43	49.0	33.3	49.9



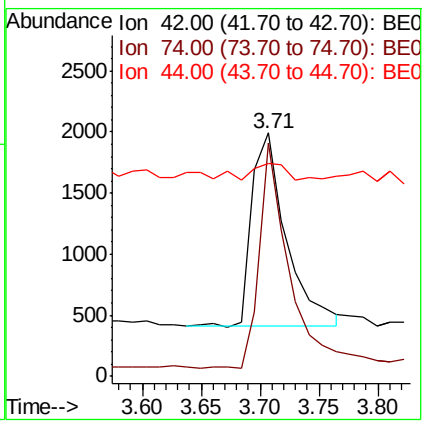


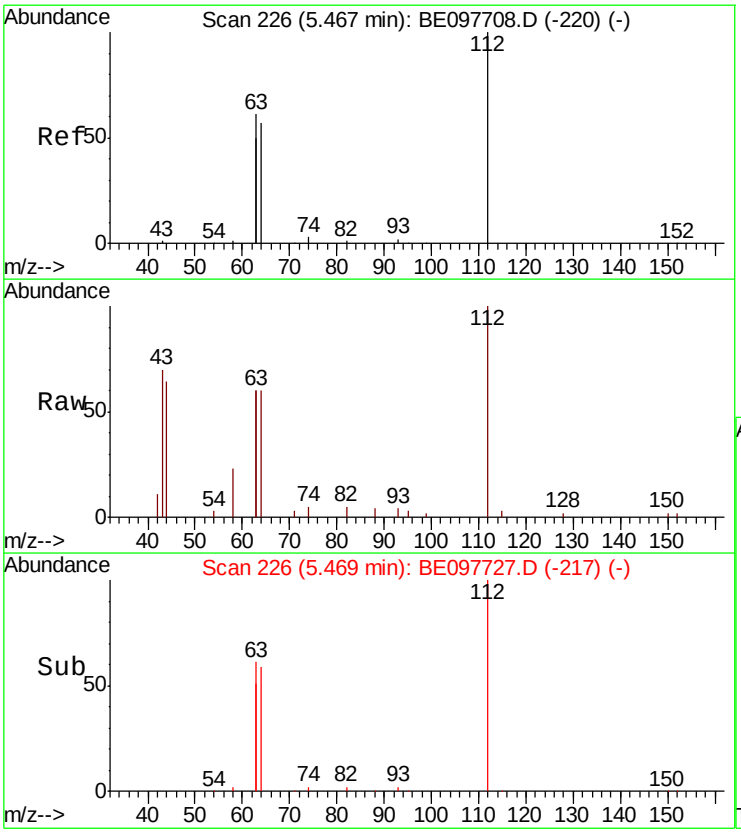
#3
n-Nitrosodimethylamine
Concen: 0.403 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion: 42 Resp: 3253

Ion	Ratio	Lower	Upper
42	100		
74	97.6	70.7	106.1
44	8.7	15.0	22.4#

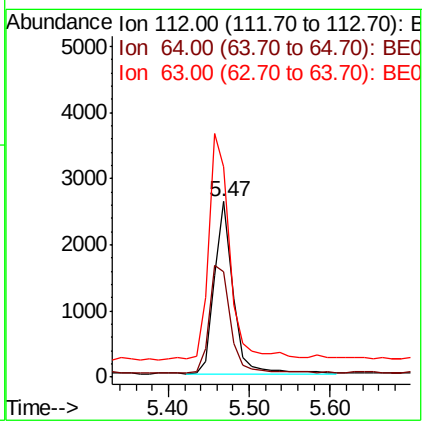


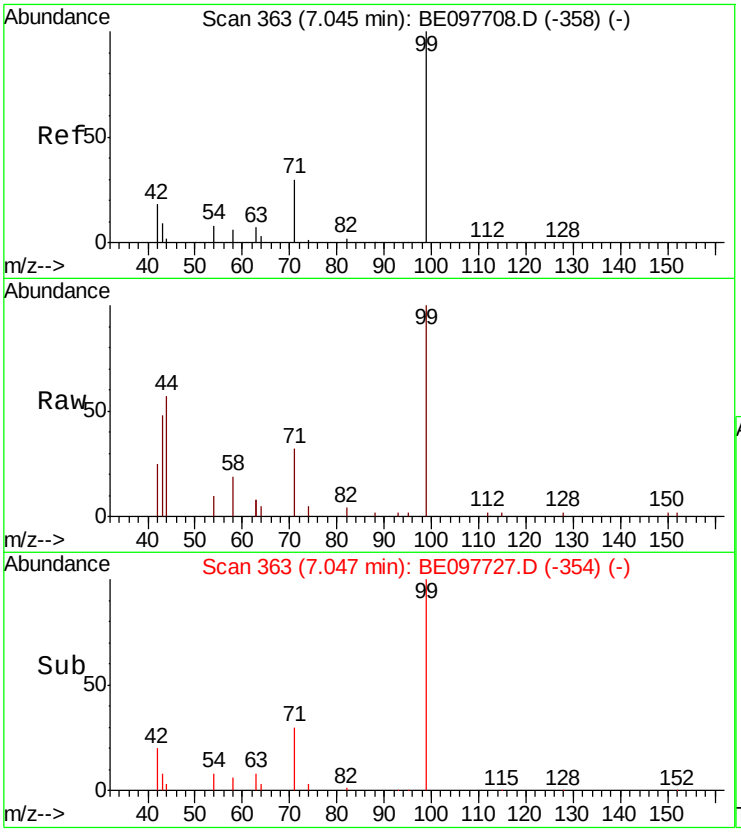


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:112 Resp: 4175

Ion	Ratio	Lower	Upper
112	100		
64	72.4	56.6	84.8
63	149.2	119.4	179.0



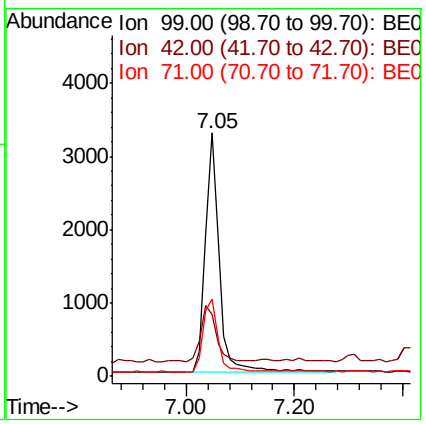


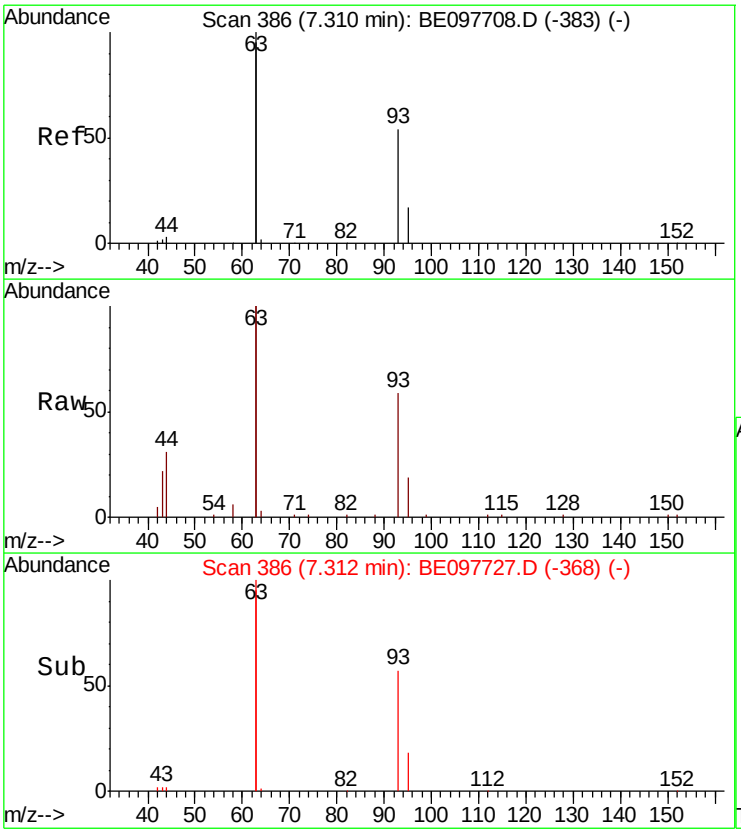
#5
Phenol-d6
Concen: 0.365 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion: 99 Resp: 5895

Ion	Ratio	Lower	Upper
99	100		
42	24.4	19.9	29.9
71	32.9	25.4	38.2

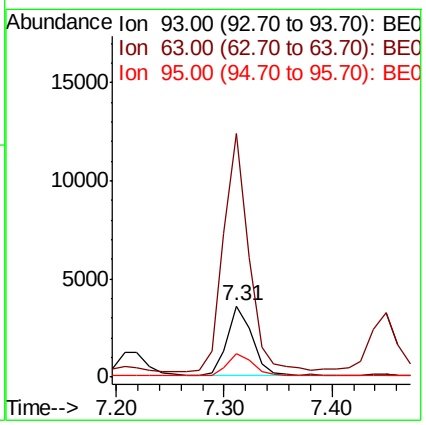


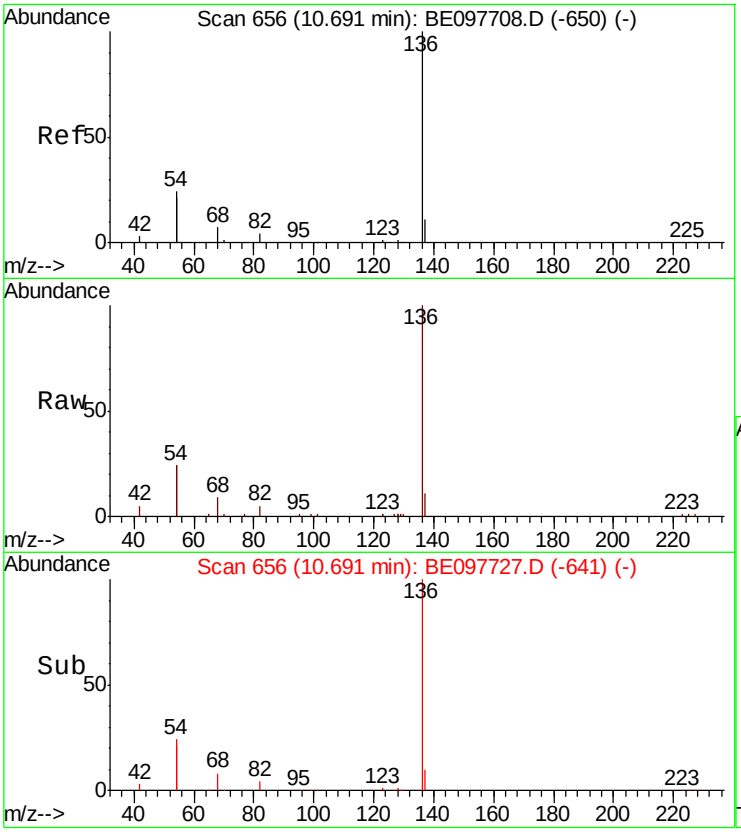


#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion: 93 Resp: 5706

Ion	Ratio	Lower	Upper
93	100		
63	341.7	266.9	400.3
95	33.6	26.2	39.2



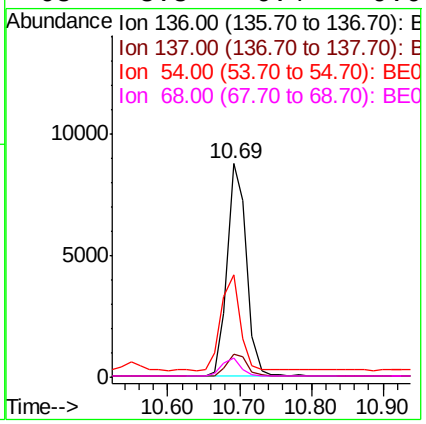


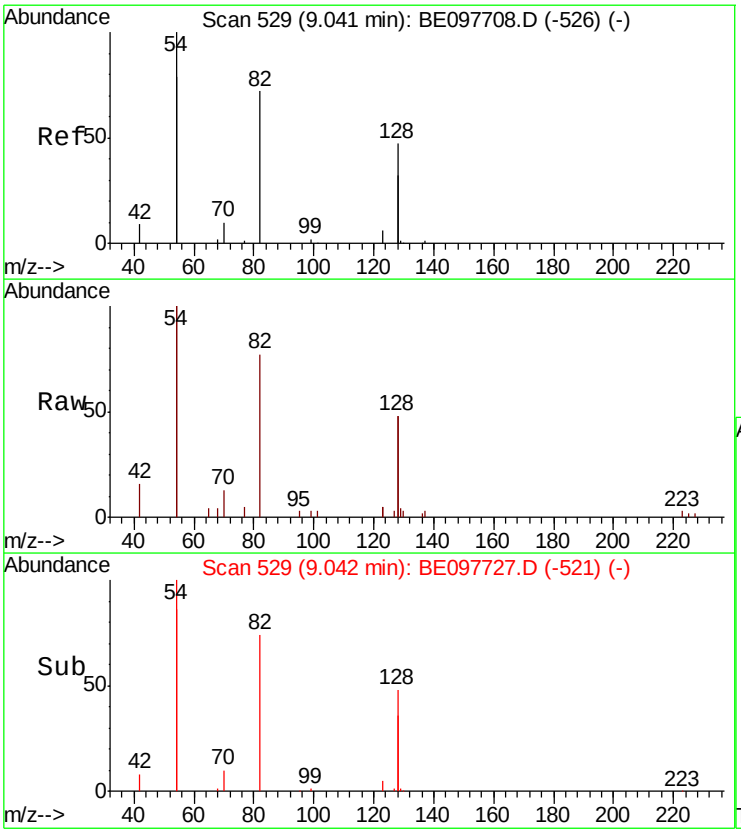
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:136 Resp: 16264

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	48.2	37.8	56.6
68	8.8	6.4	9.6

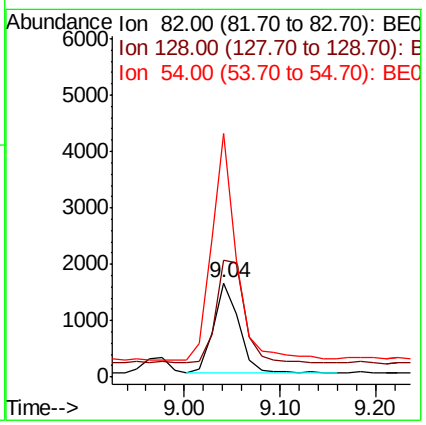


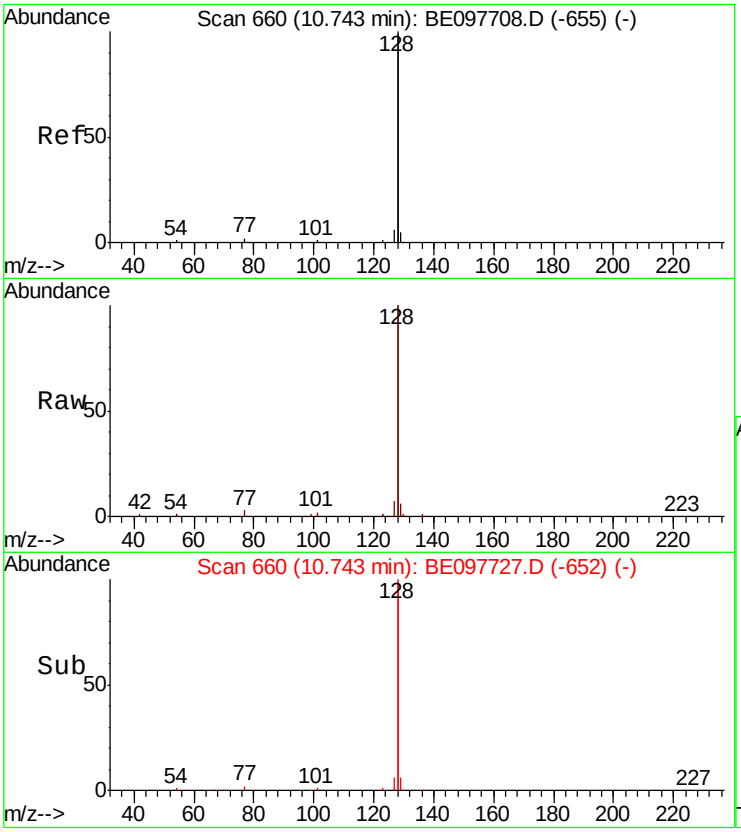


#8
Nitrobenzene-d5
Concen: 0.552 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion: 82 Resp: 2915

Ion	Ratio	Lower	Upper
82	100		
128	124.5	97.0	145.4
54	258.3	206.9	310.3



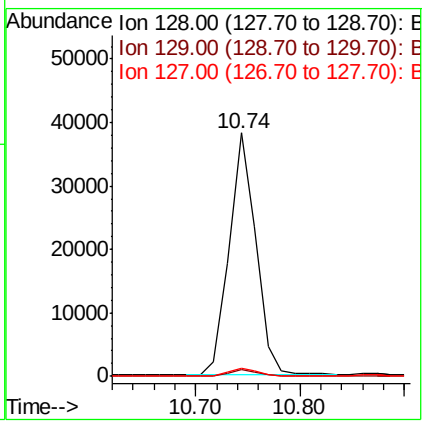


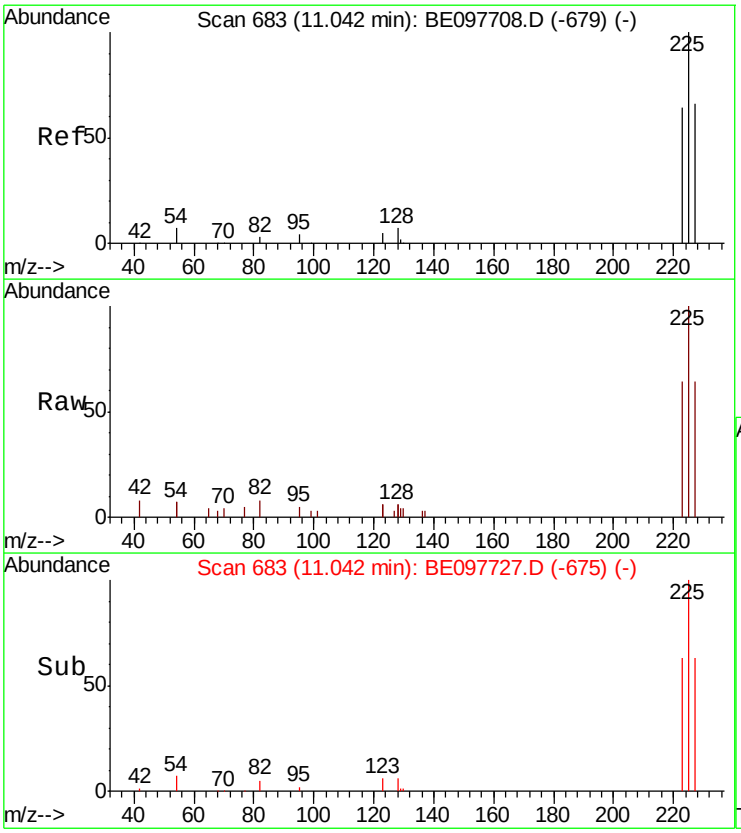
#9
Naphthalene
Concen: 0.415 ng
RT: 10.74 min Scan# 660
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:128 Resp: 67982

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.2
127	3.3	2.7	4.1

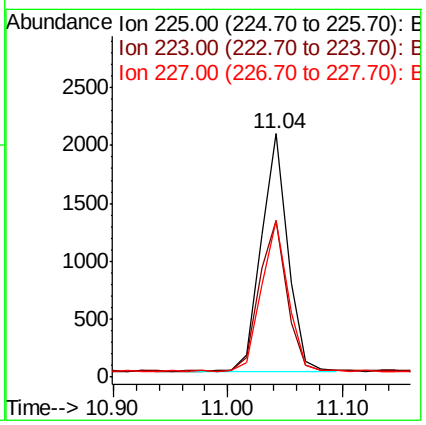


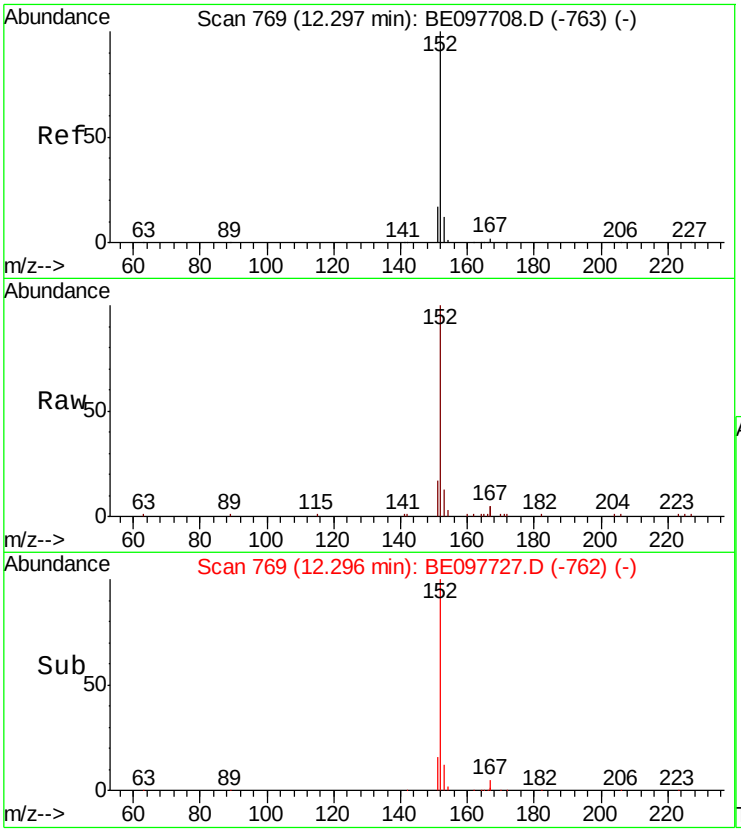


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 11.04 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:225 Resp: 3322

Ion	Ratio	Lower	Upper
225	100		
223	66.0	52.2	78.4
227	63.4	51.2	76.8



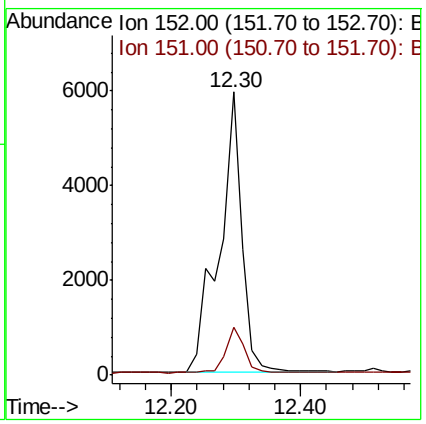


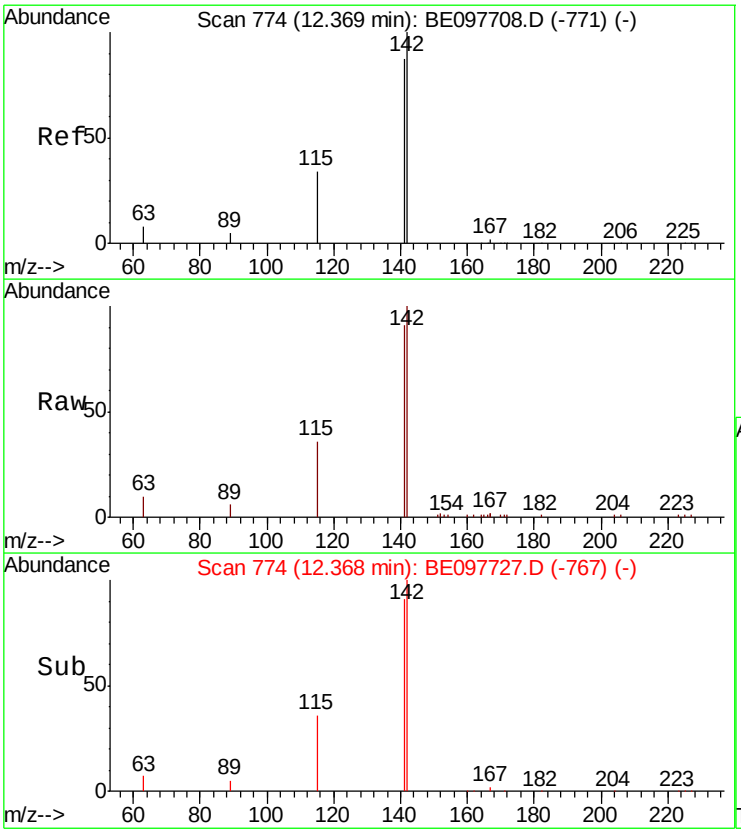
#11
2-Methylnaphthalene-d10
Concen: 0.560 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:152 Resp: 14481

Ion	Ratio	Lower	Upper
152	100		
151	13.1	15.4	23.2#

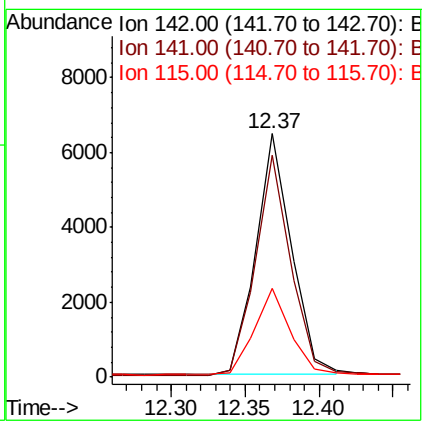


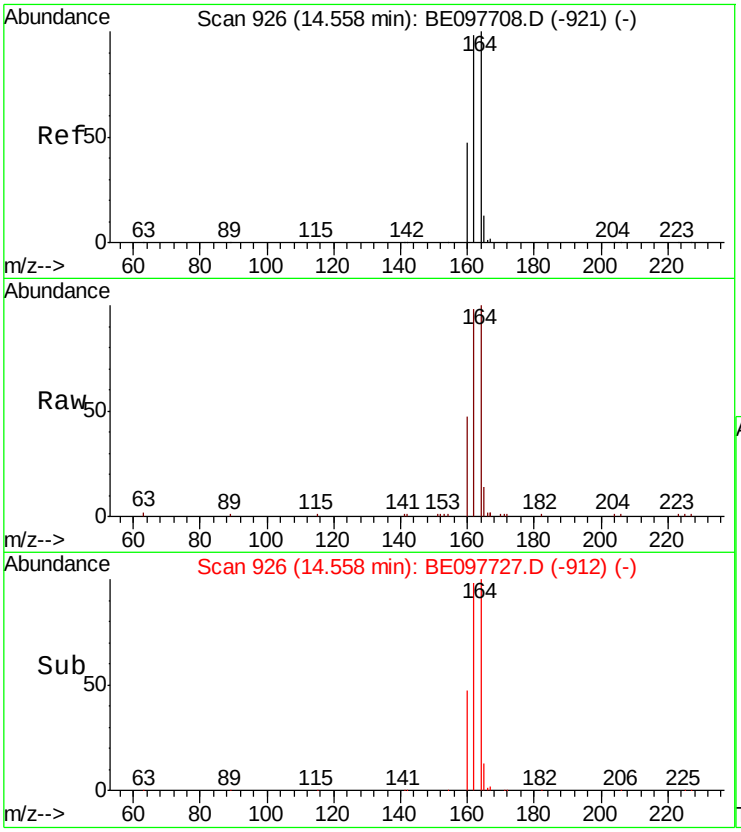


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:142 Resp: 10734

Ion	Ratio	Lower	Upper
142	100		
141	91.3	69.4	104.2
115	36.4	28.0	42.0



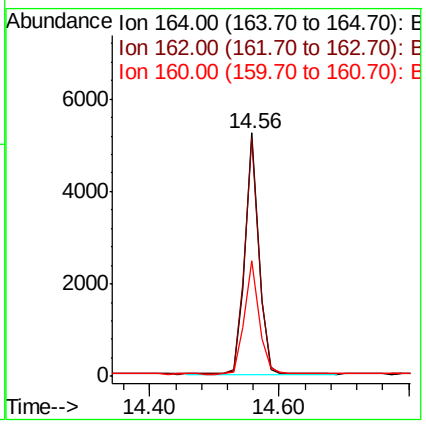


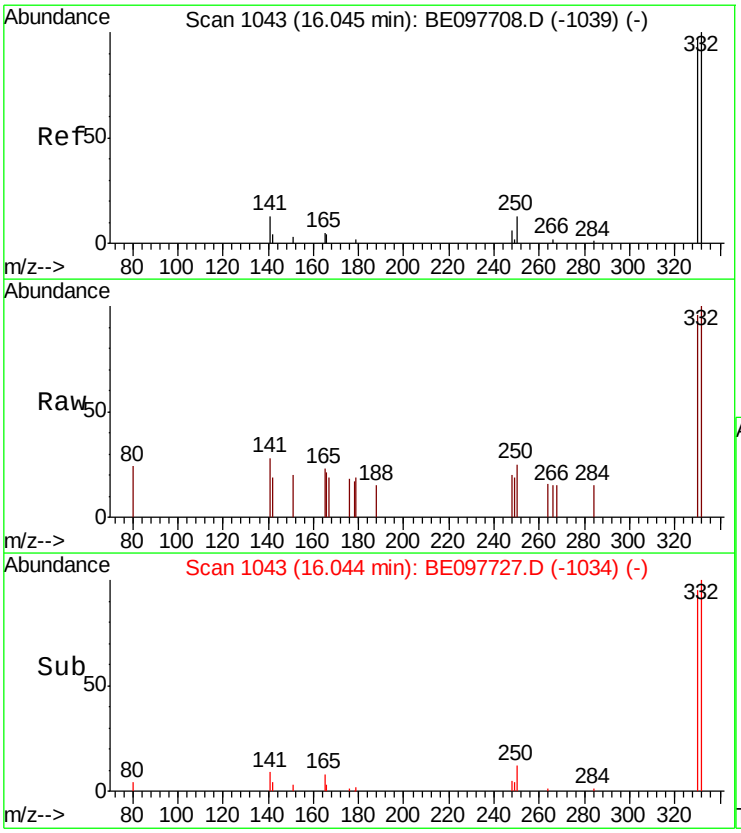
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:164 Resp: 7740

Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.6	117.8
160	47.4	37.8	56.6

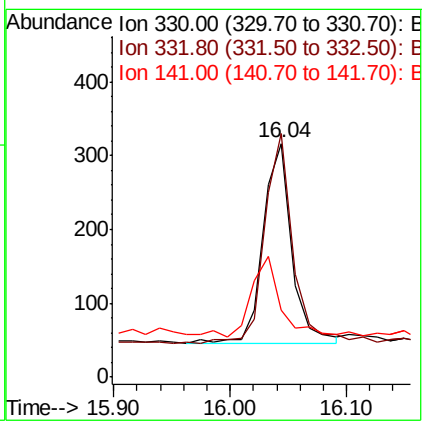


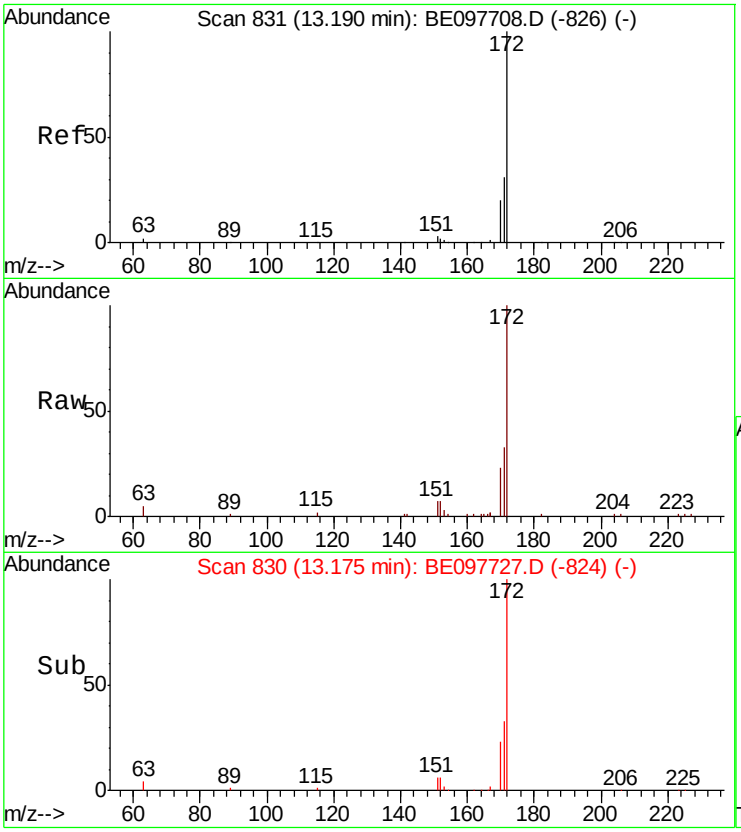


#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:330 Resp: 461

Ion	Ratio	Lower	Upper
330	100		
332	105.4	83.5	125.3
141	40.8	34.9	52.3



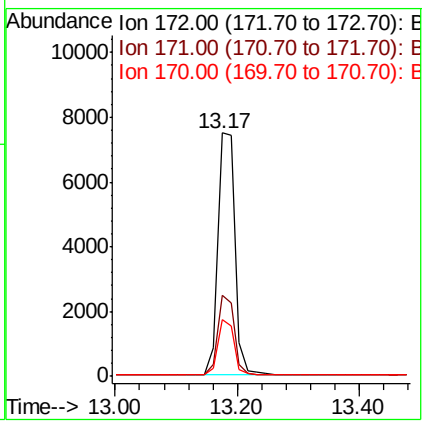


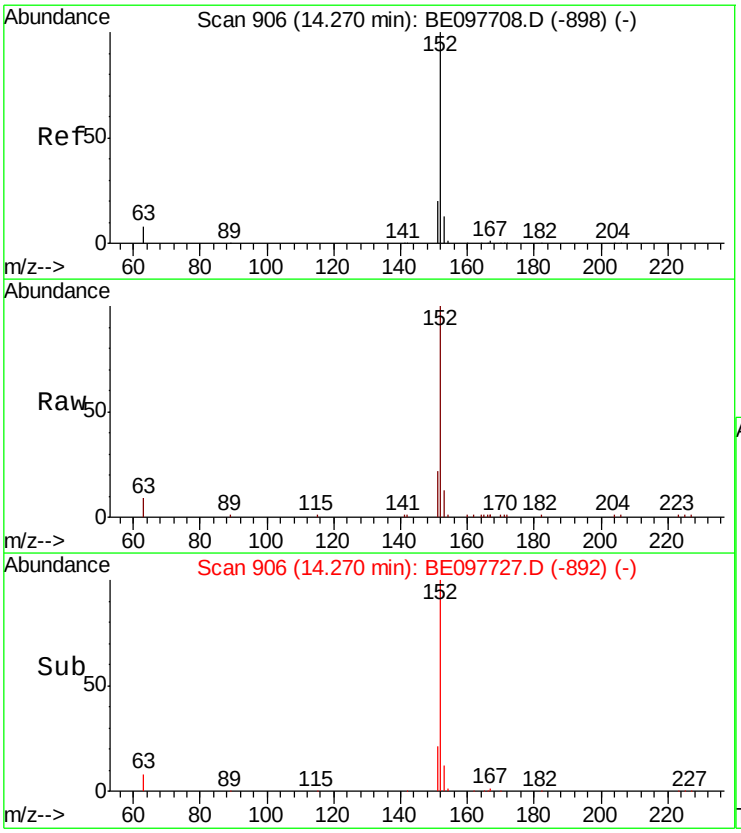
#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:172 Resp: 14696

Ion	Ratio	Lower	Upper
172	100		
171	33.4	25.2	37.8
170	23.4	16.2	24.2

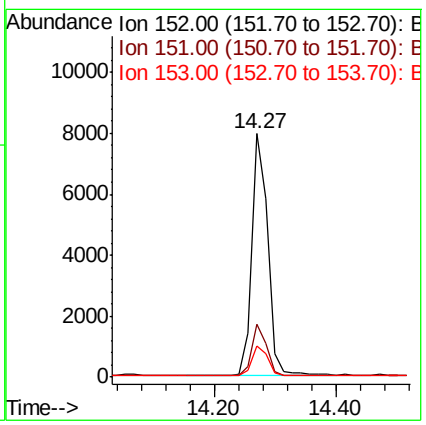


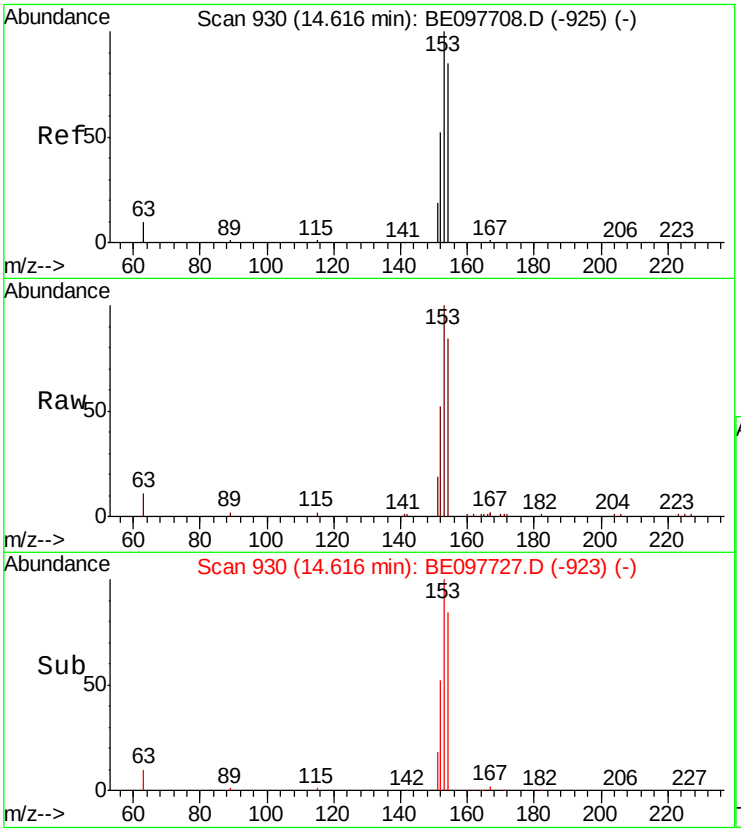


#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:152 Resp: 14092

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.3	22.9
153	12.7	10.8	16.2



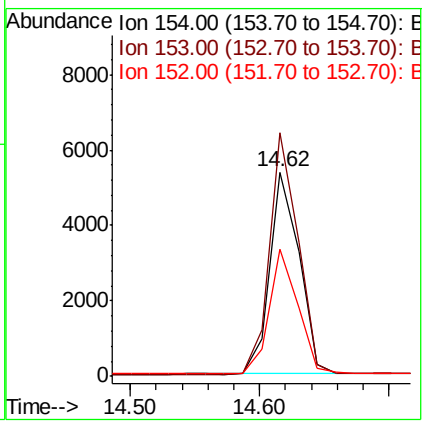


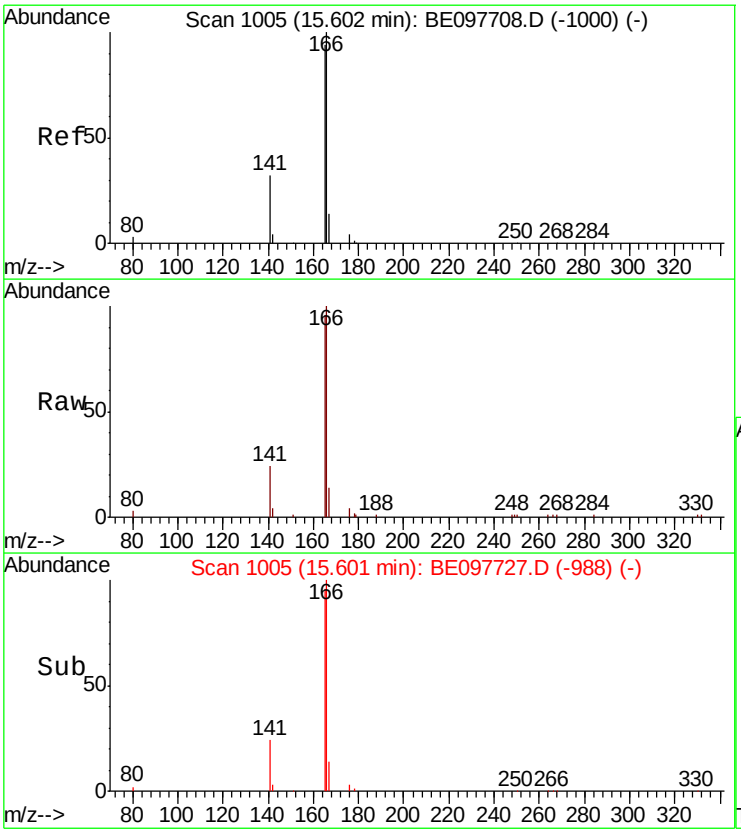
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:154 Resp: 8481

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.3	139.9
152	59.9	48.9	73.3

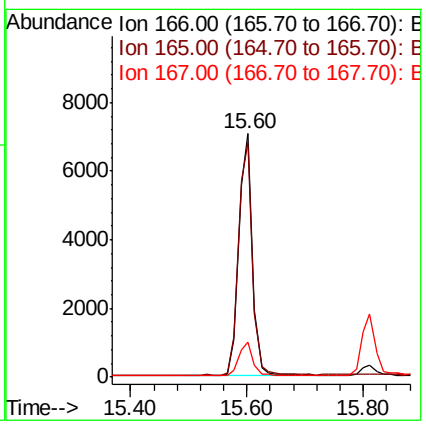


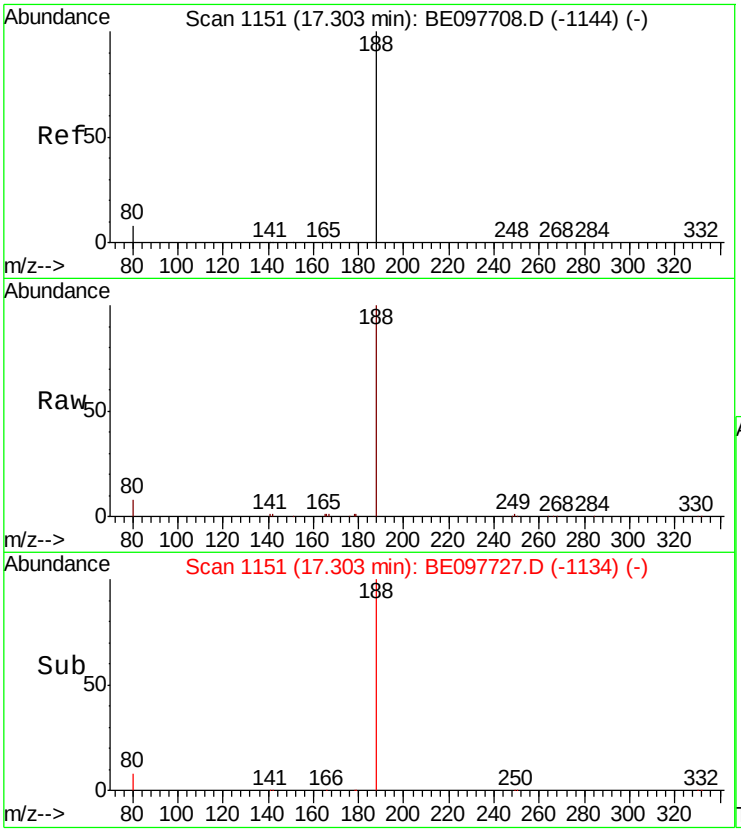


#18
Fluorene
Concen: 0.386 ng
RT: 15.60 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:166 Resp: 11260

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.0	118.4
167	13.9	11.1	16.7



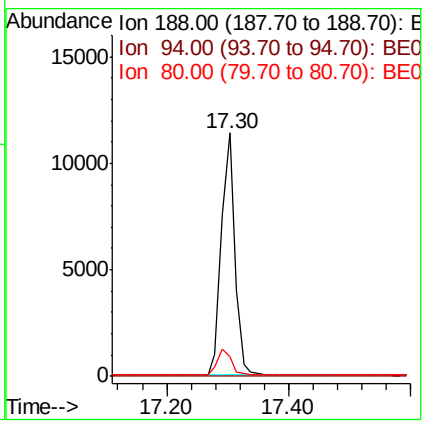


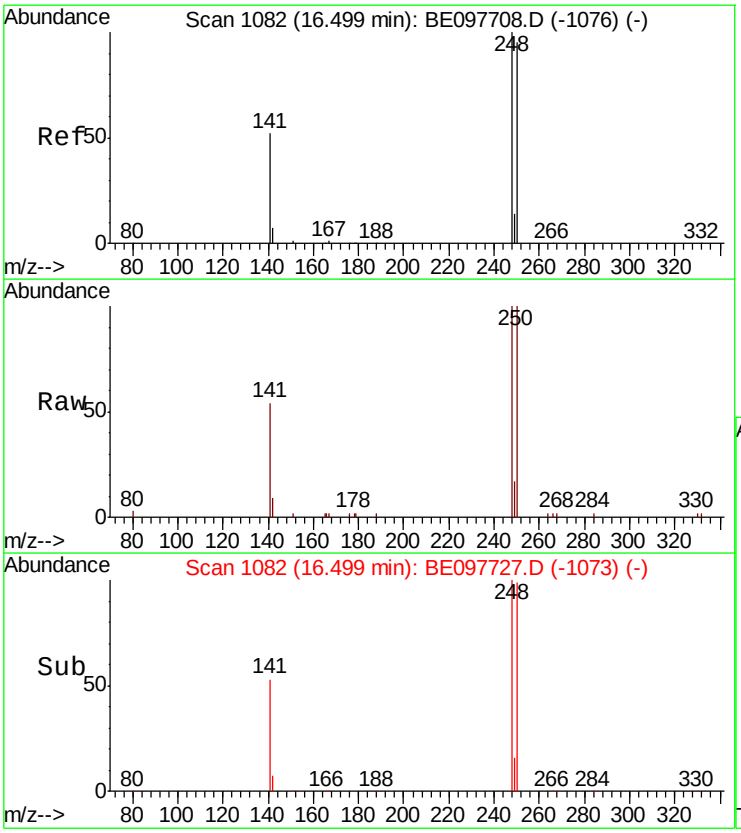
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:188 Resp: 17506

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.6	9.8

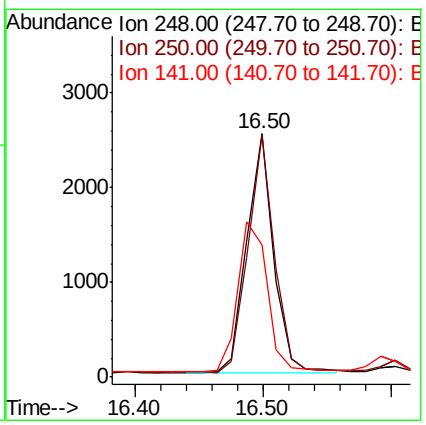


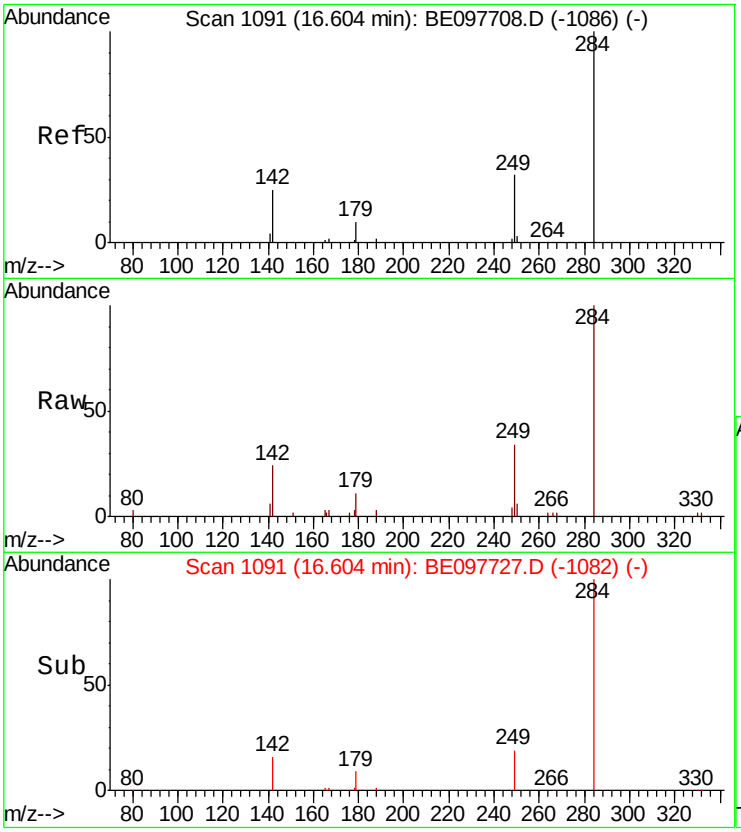


#20
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.50 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:248 Resp: 3690

Ion	Ratio	Lower	Upper
248	100		
250	99.6	76.1	114.1
141	54.3	42.2	63.4



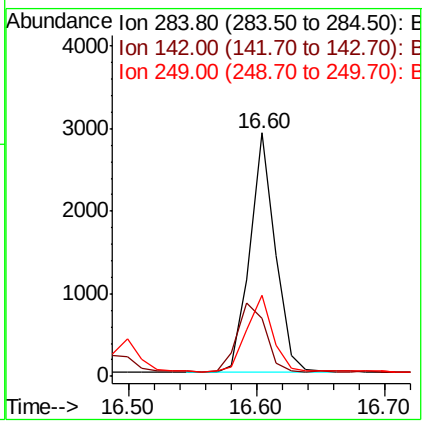


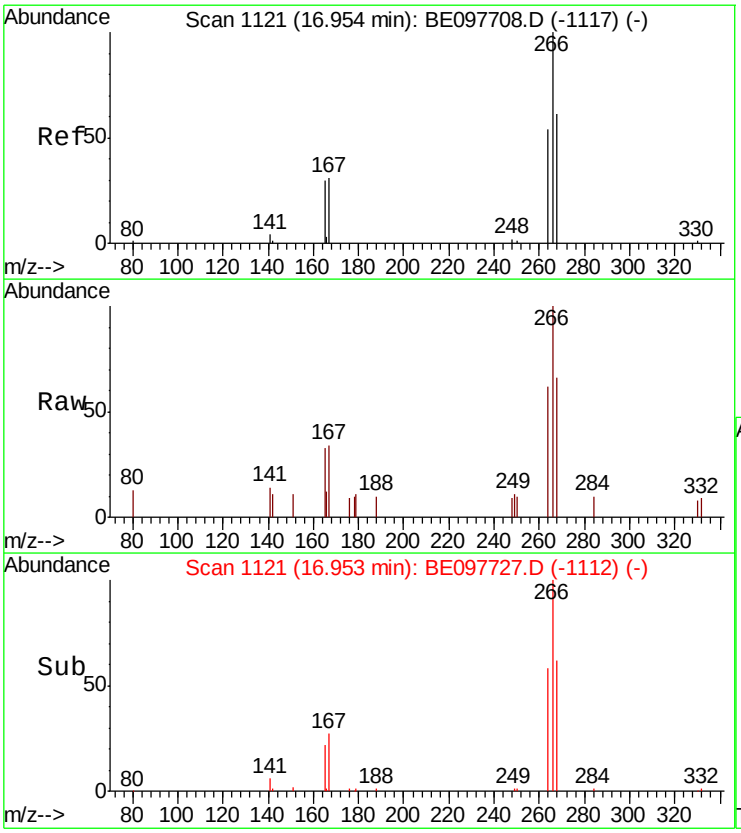
#21
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:284 Resp: 4046

Ion	Ratio	Lower	Upper
284	100		
142	31.9	24.9	37.3
249	33.1	25.8	38.8

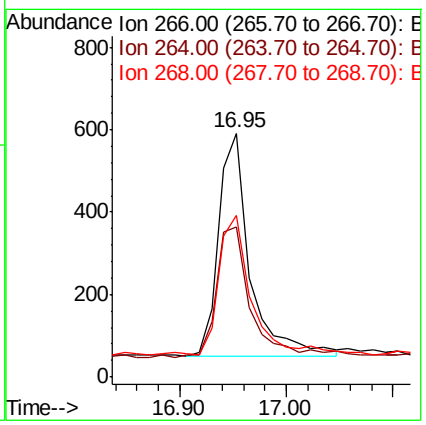


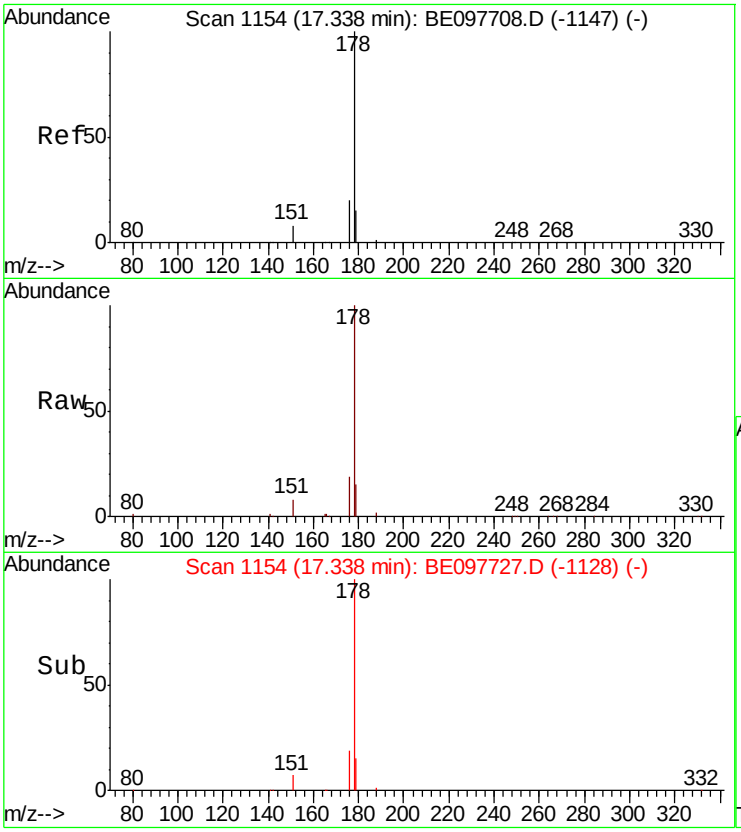


#22
Pentachlorophenol
Concen: 0.677 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:266 Resp: 1097

Ion	Ratio	Lower	Upper
266	100		
264	61.8	46.8	70.2
268	66.5	53.0	79.6



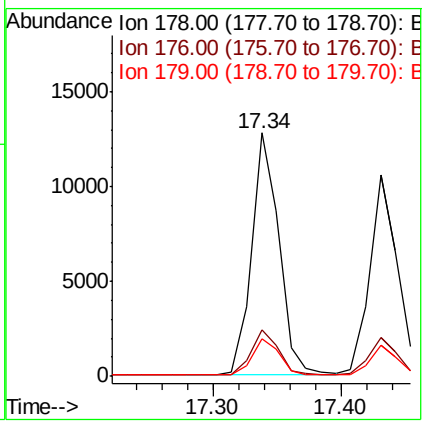


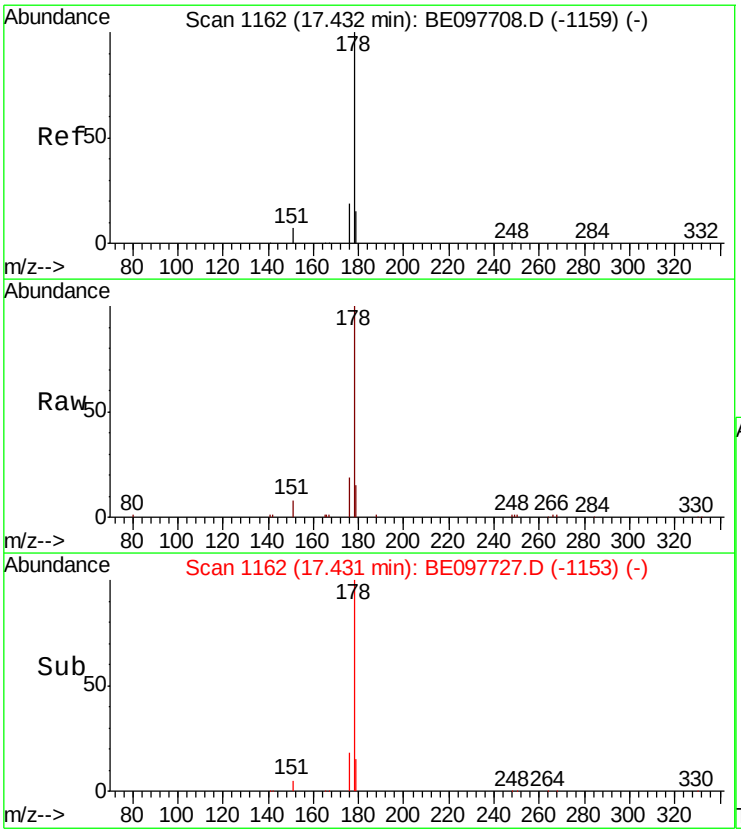
#23
Phenanthrene
Concen: 0.424 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:178 Resp: 19126

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.2	18.4

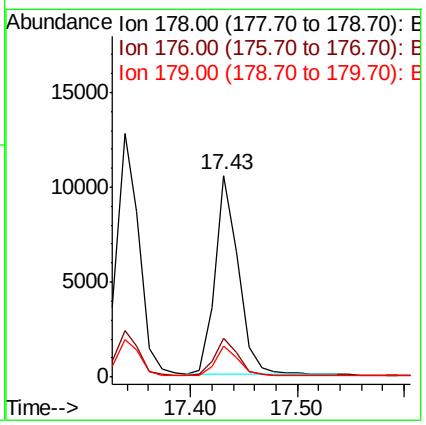


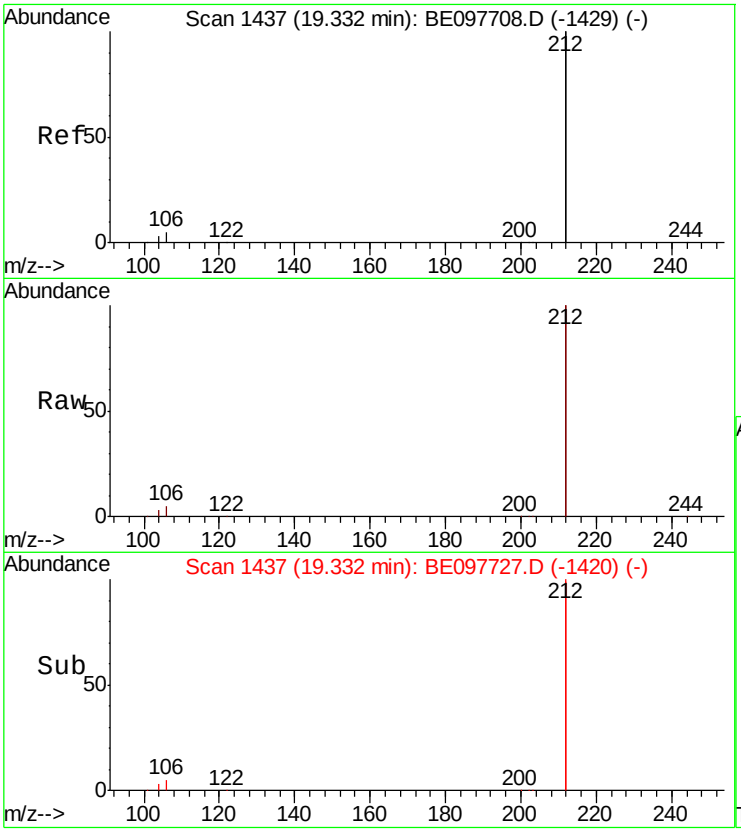


#24
Anthracene
Concen: 0.412 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:178 Resp: 16029

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.1	12.2	18.2



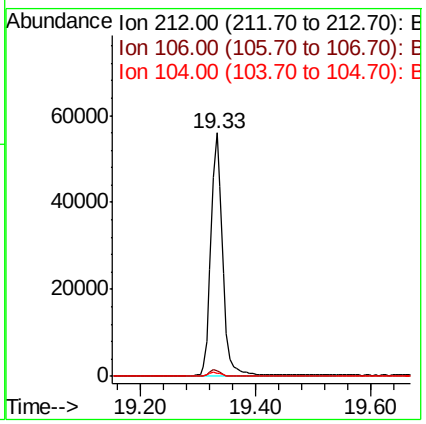


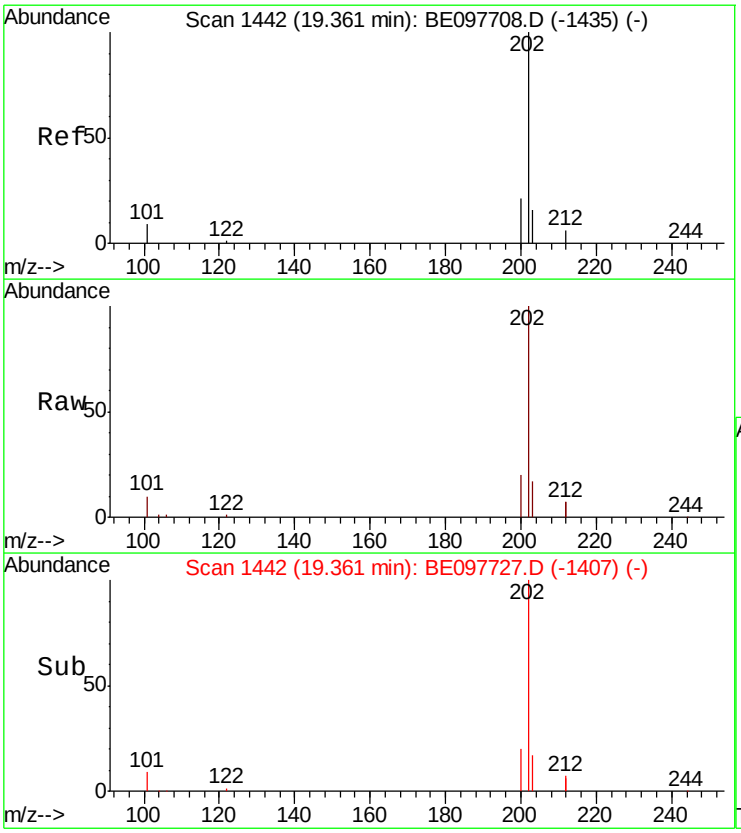
#25
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.33 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:212 Resp: 78457

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.5	1.2	1.8

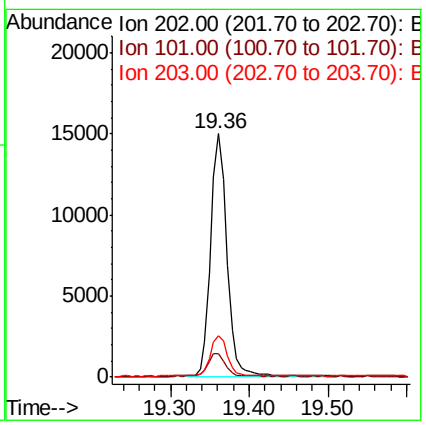


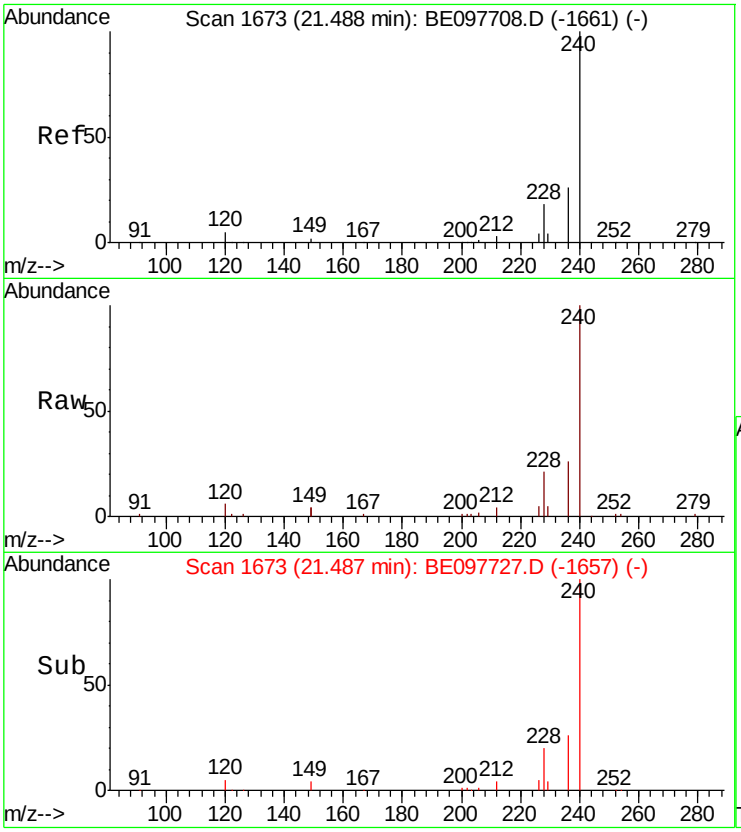


#26
Fluoranthene
Concen: 0.367 ng
RT: 19.36 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:202 Resp: 21111

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.8
203	17.0	13.8	20.6



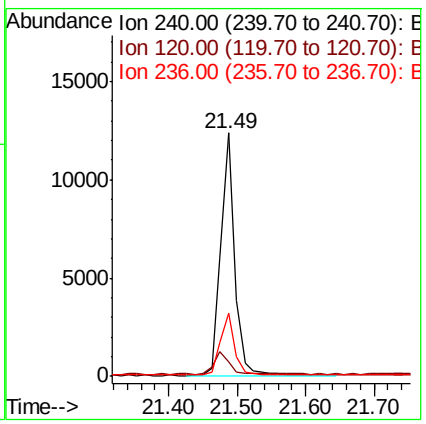


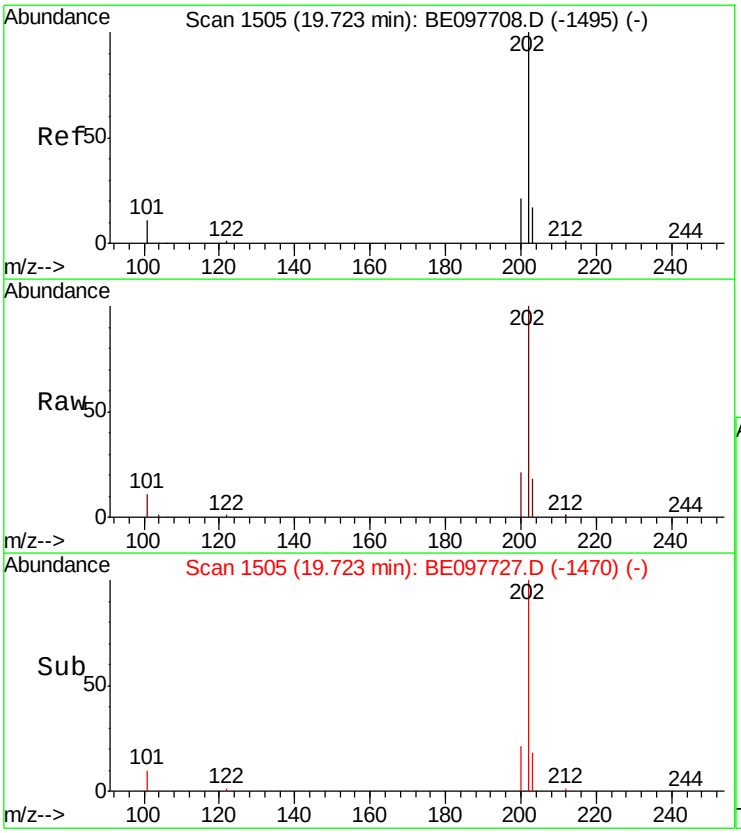
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:240 Resp: 17445

Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.7	7.1
236	26.0	20.8	31.2

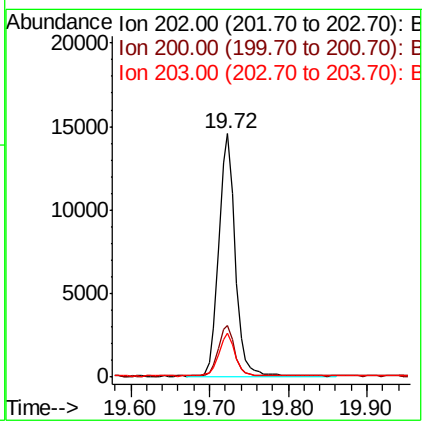


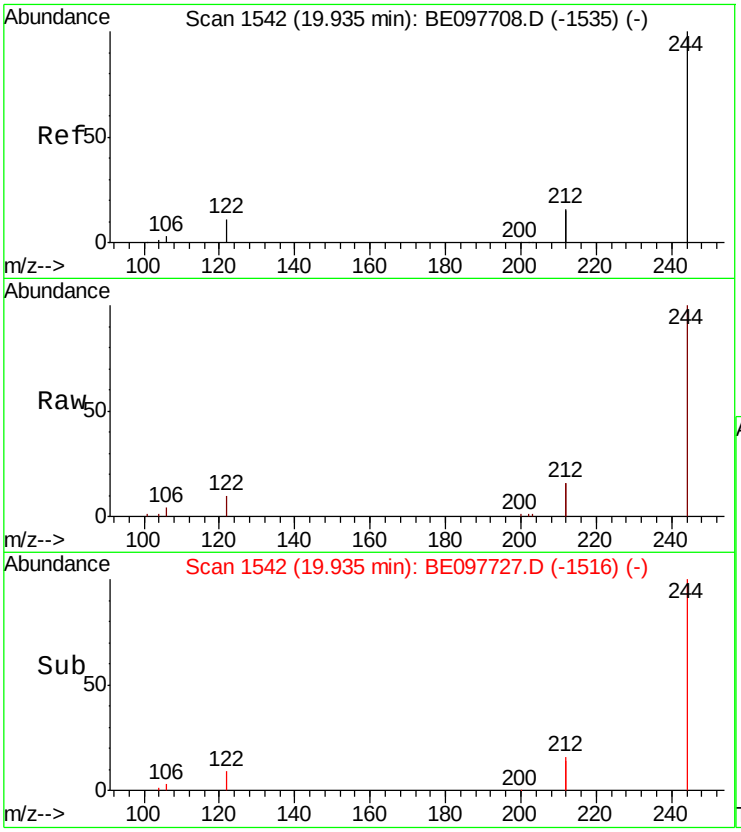


#28
Pyrene
Concen: 0.470 ng
RT: 19.72 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:202 Resp: 20832

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.9	13.9	20.9



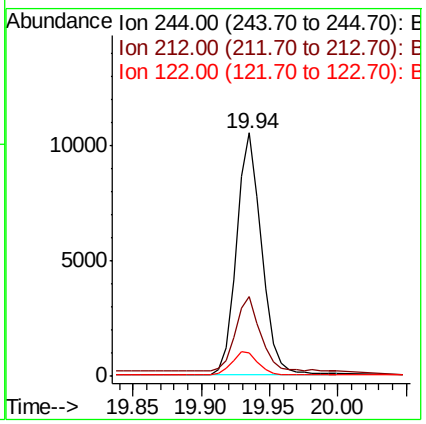


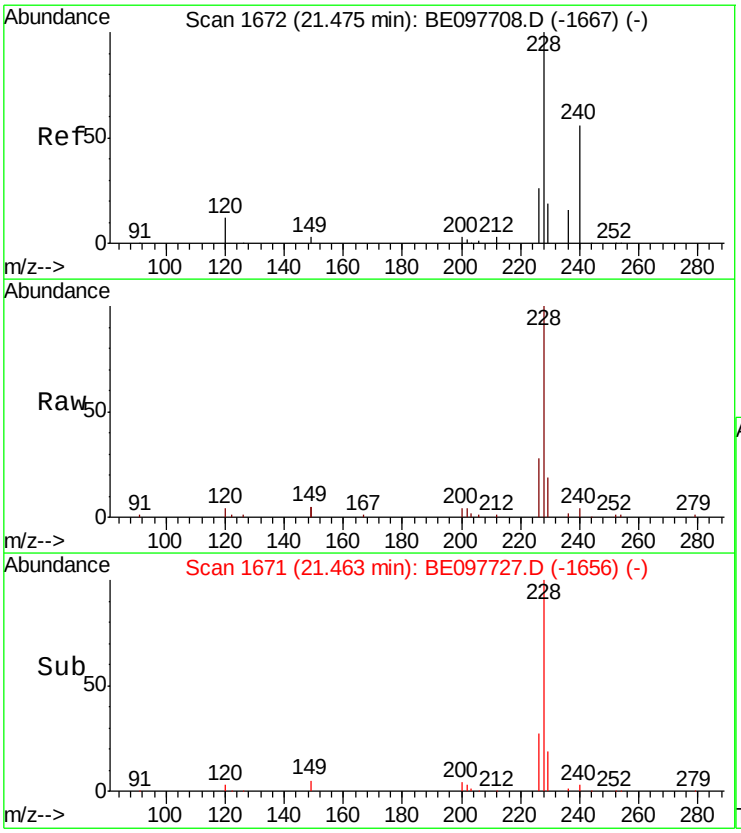
#29
Terphenyl-d14
Concen: 0.377 ng
RT: 19.94 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:244 Resp: 13416

Ion	Ratio	Lower	Upper
244	100		
212	32.7	25.8	38.8
122	9.7	8.7	13.1

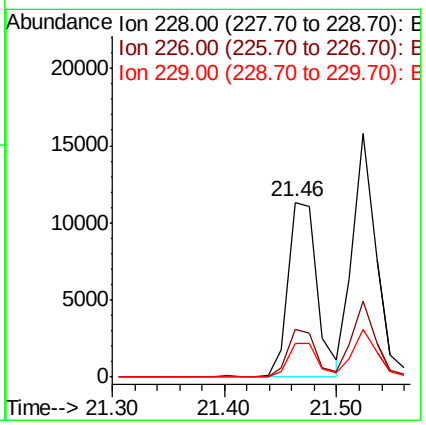


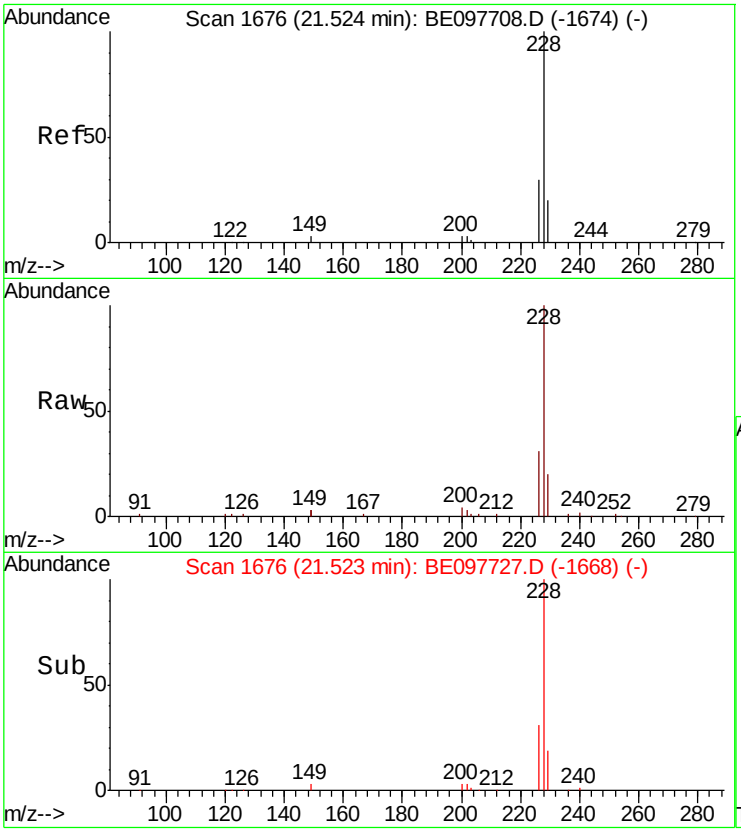


#30
Benzo(a)anthracene
Concen: 0.428 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:228 Resp: 20054

Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.7	31.1
229	19.1	15.7	23.5



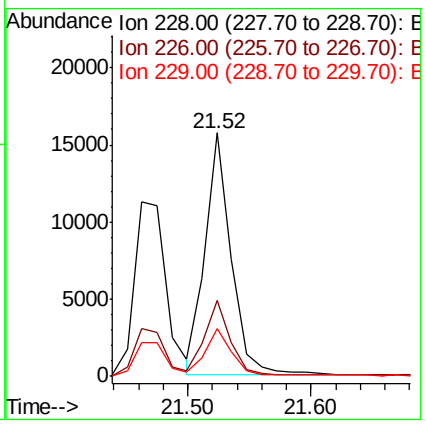


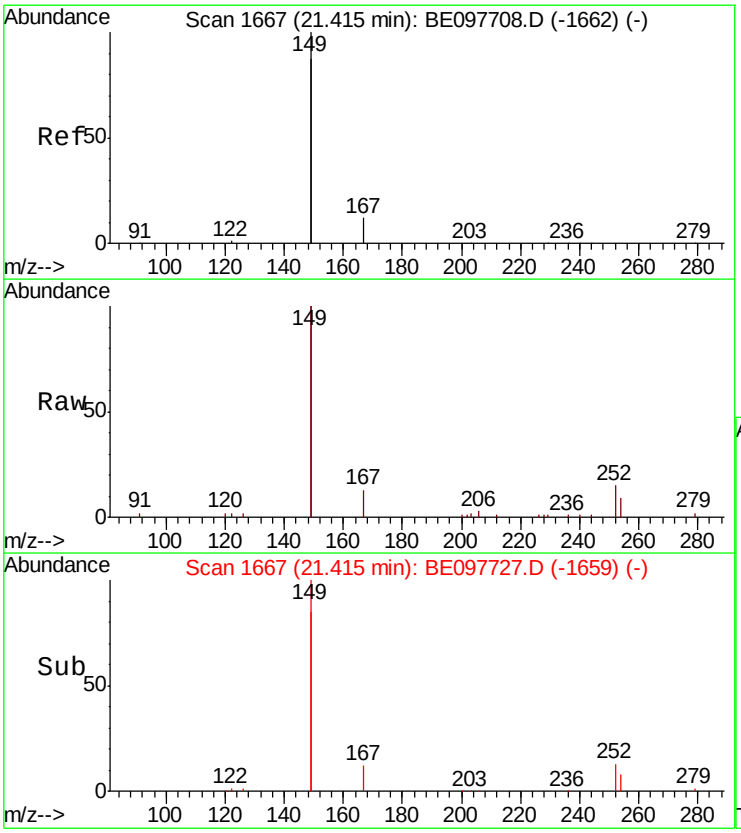
#31
Chrysene
Concen: 0.435 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:228 Resp: 22798

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	19.7	16.0	24.0

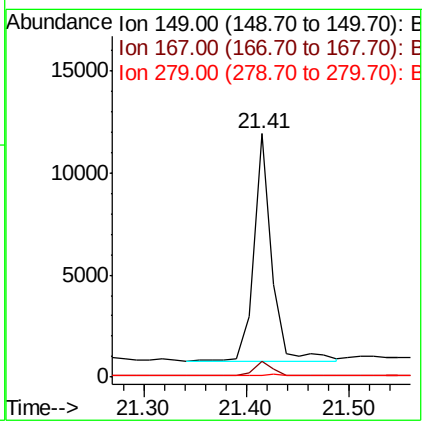


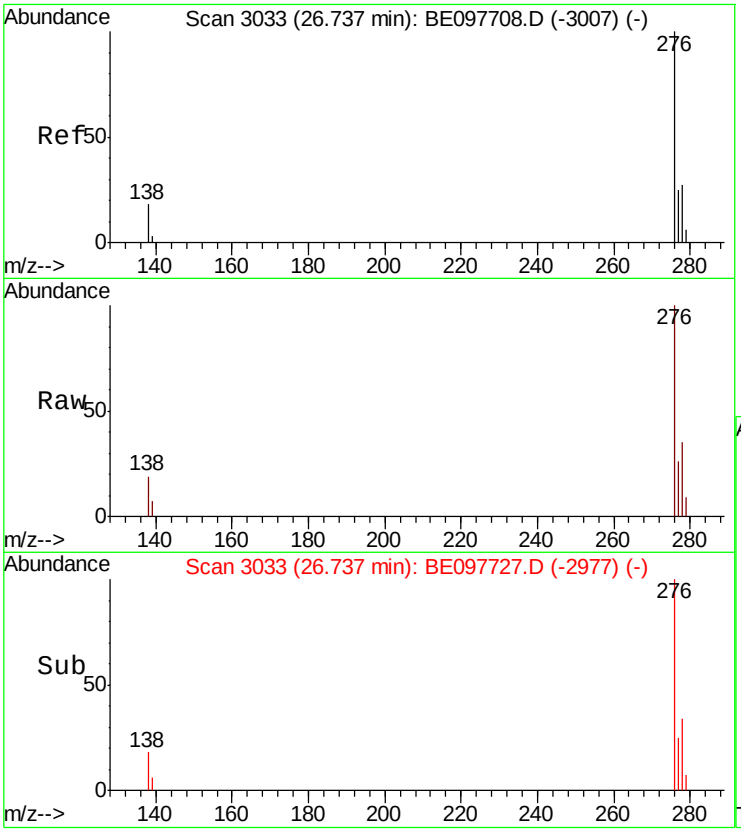


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.391 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:149 Resp: 13412

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.5	8.3
279	1.3	0.9	1.3



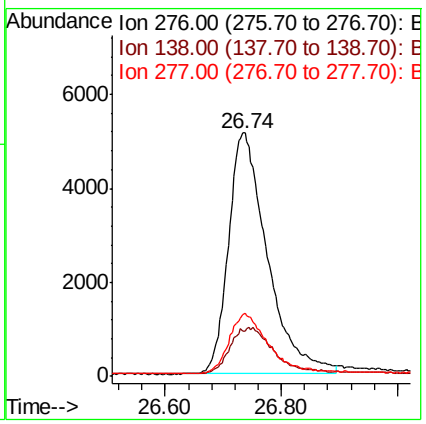


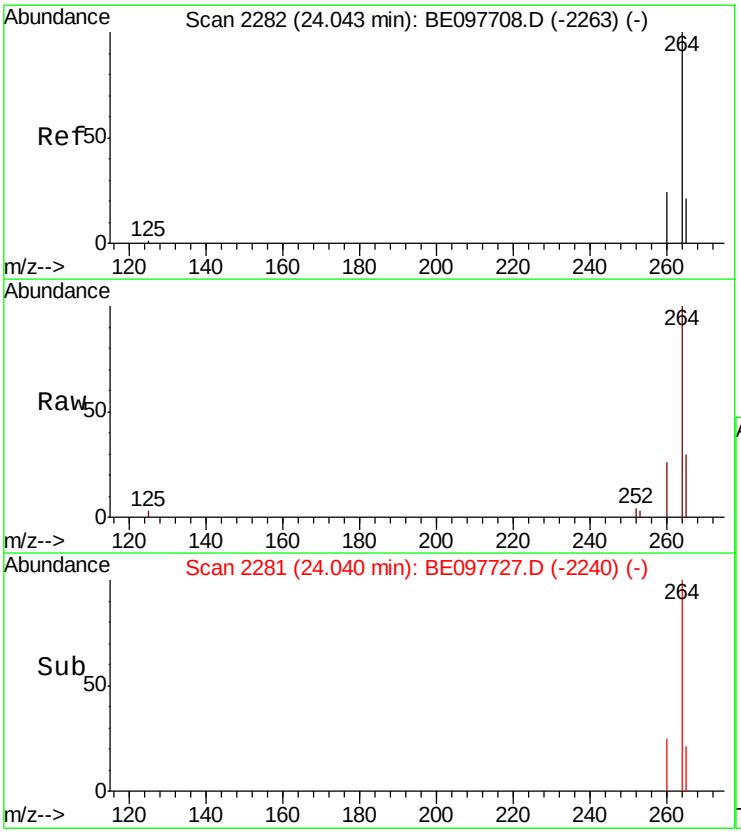
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.525 ng
RT: 26.74 min Scan# 3033
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:276 Resp: 23901

Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.0	22.6
277	24.2	19.2	28.8

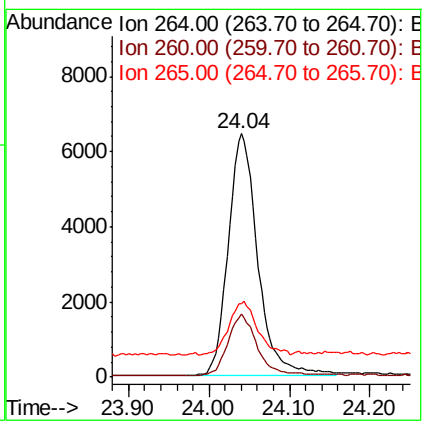


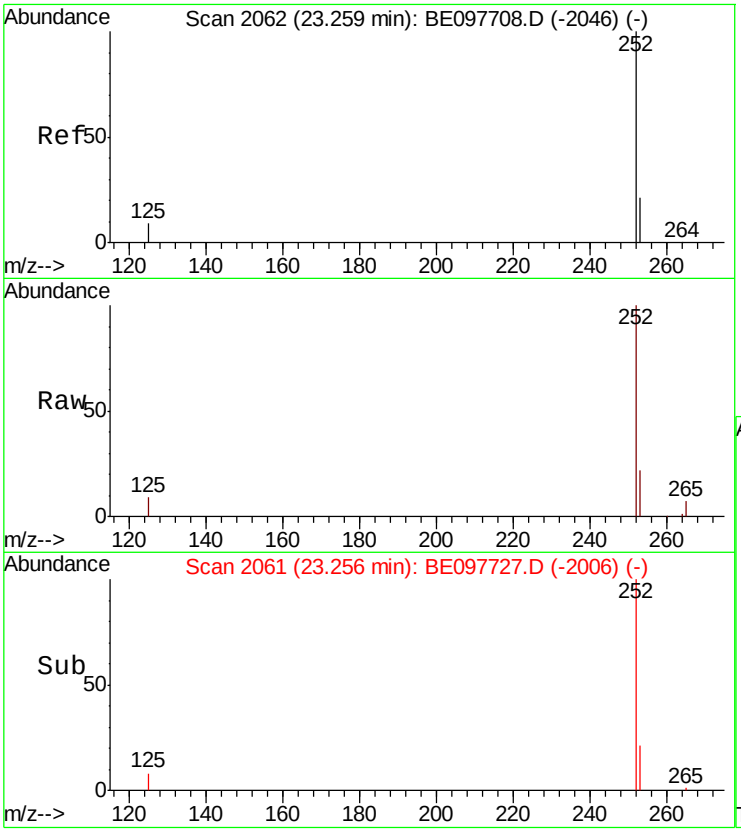


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.04 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:264 Resp: 16246

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.1	28.7
265	30.1	21.9	32.9



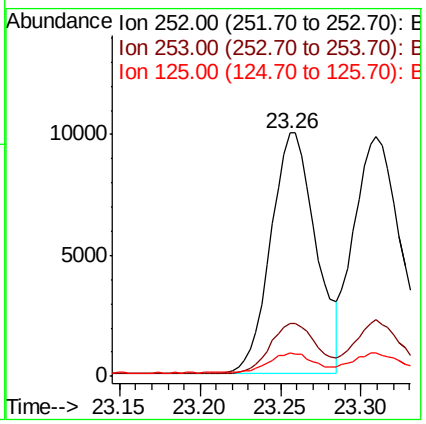


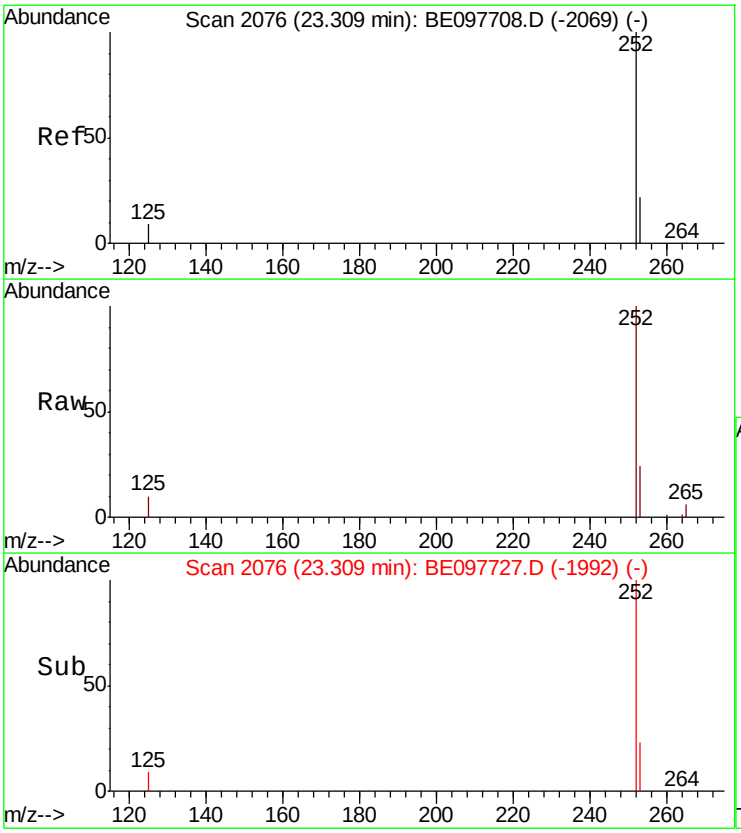
#35
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 23.26 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:252 Resp: 19540

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.4	7.8	11.8

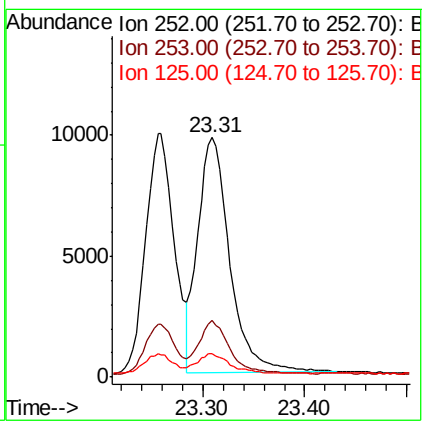


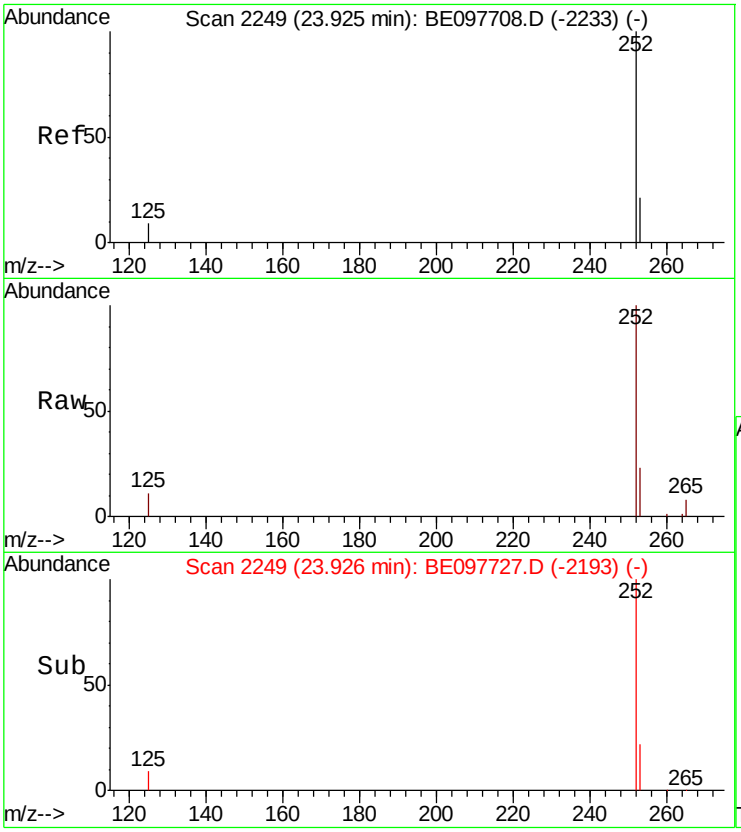


#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 23.31 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:252 Resp: 21210

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	9.9	7.5	11.3



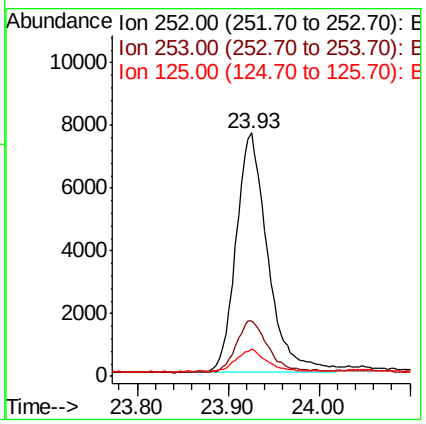


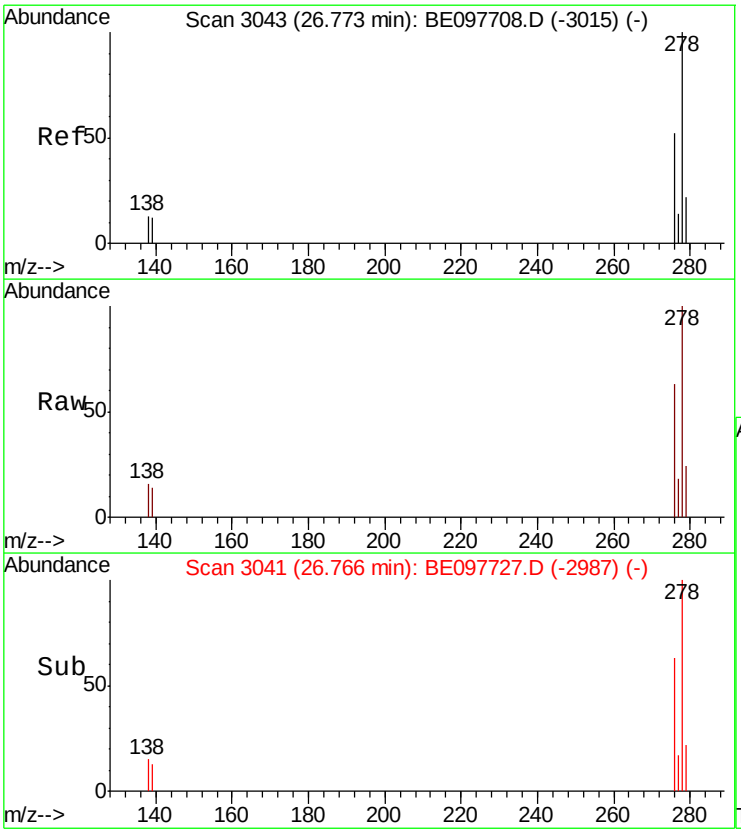
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.93 min Scan# 2249
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:252 Resp: 18534

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.0	8.3	12.5

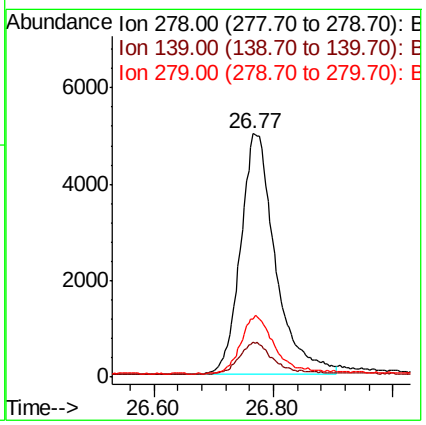


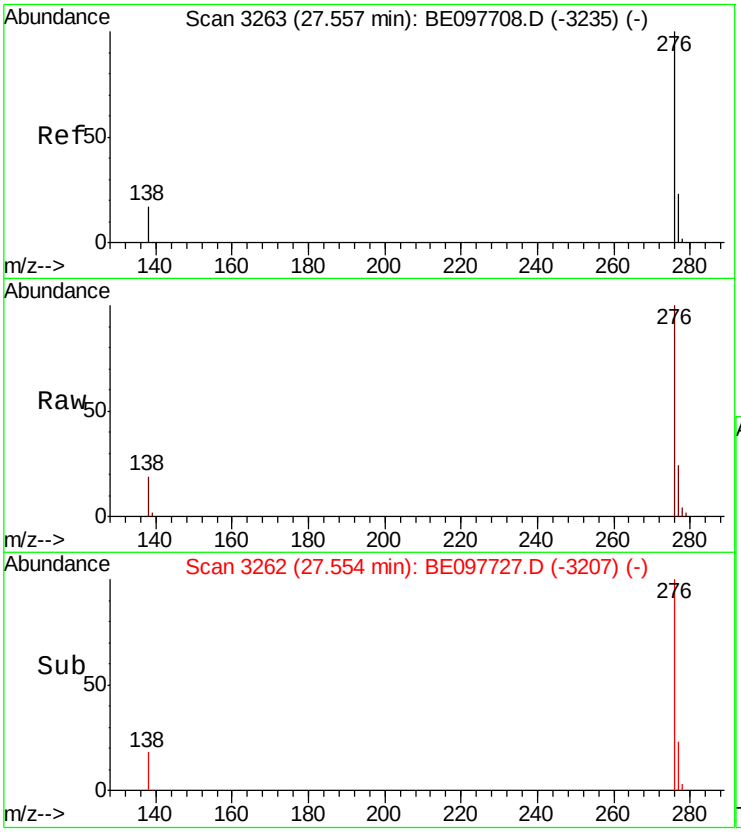


#38
Dibenzo(a,h)anthracene
Concen: 0.511 ng
RT: 26.77 min Scan# 3041
Delta R.T. -0.01 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:278 Resp: 20312

Ion	Ratio	Lower	Upper
278	100		
139	14.5	10.3	15.5
279	23.8	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 0.528 ng
RT: 27.55 min Scan# 3262
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:276 Resp: 21947

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	18.9	14.2	21.2