Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072018\
Data File : BE097028.D
Acq On : 20 Jul 2018 15:36
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jul 20 17:02:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration

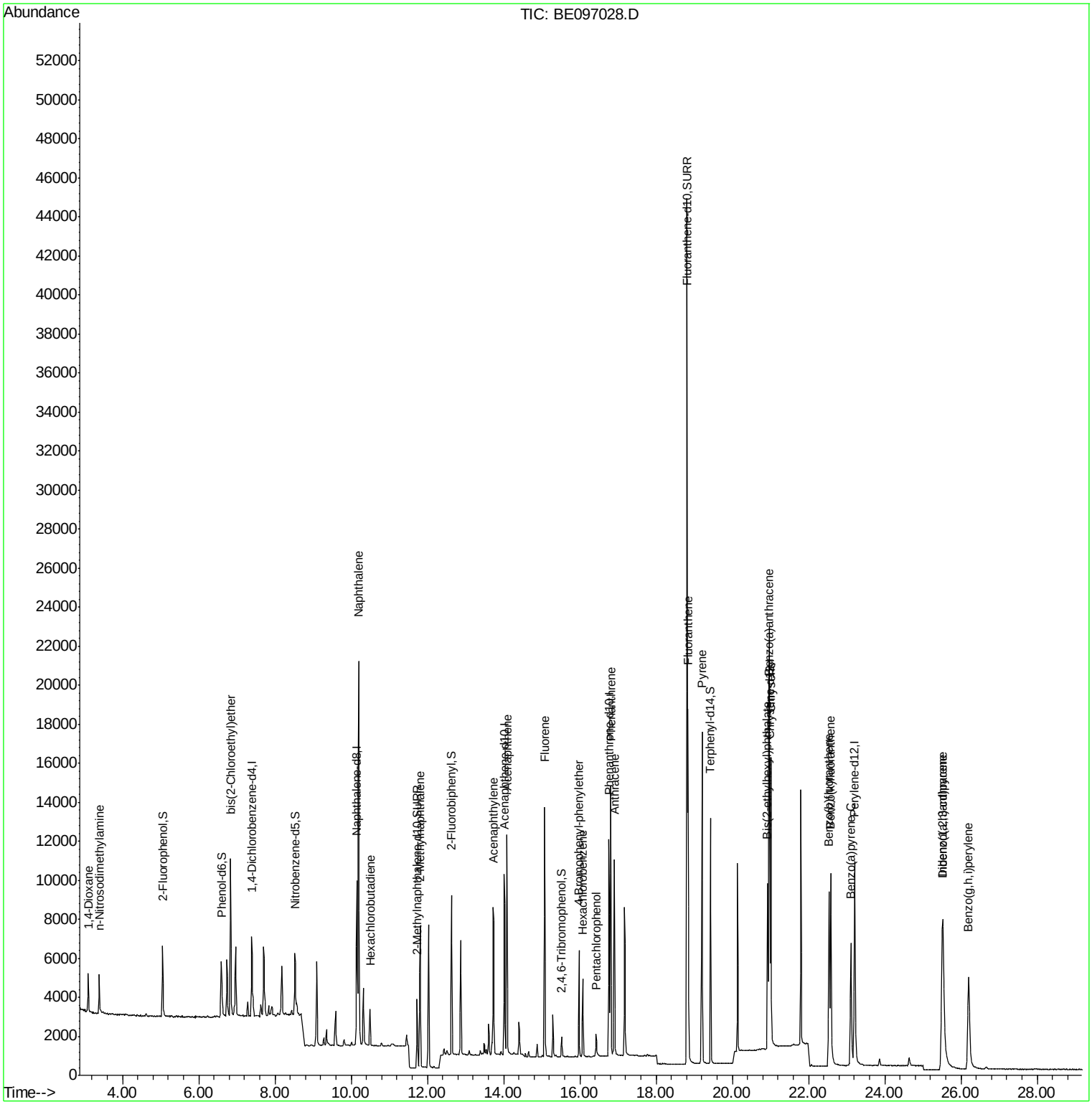
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1833	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	8711	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	5446	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	14766	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14830	0.40	ng		0.00
34) Perylene-d12	23.21	264	13763	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1788	0.41	ng		0.00
5) Phenol-d6	6.59	99	2639	0.39	ng		0.00
8) Nitrobenzene-d5	8.52	82	2763	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4911	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	591	0.48	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	7316	0.36	ng		0.00
25) Fluoranthene-d10	18.81	212	56322	0.44	ng		0.00
29) Terphenyl-d14	19.43	244	10650	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	1050	0.400	ng	#	87
3) n-Nitrosodimethylamine	3.38	42	1271	0.430	ng	#	90
6) bis(2-Chloroethyl)ether	6.84	93	2549	0.388	ng		99
9) Naphthalene	10.20	128	31027	0.398	ng		100
10) Hexachlorobutadiene	10.50	225	1415	0.449	ng		97
12) 2-Methylnaphthalene	11.80	142	5147	0.389	ng		99
16) Acenaphthylene	13.73	152	9151	0.368	ng		100
17) Acenaphthene	14.08	154	5596	0.362	ng	#	94
18) Fluorene	15.08	166	7205	0.415	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	2745	0.393	ng	#	83
21) Hexachlorobenzene	16.08	284	3061	0.395	ng	#	83
22) Pentachlorophenol	16.43	266	654	0.553	ng	#	76
23) Phenanthrene	16.81	178	13838	0.391	ng		99
24) Anthracene	16.90	178	11804	0.384	ng		96
26) Fluoranthene	18.84	202	15680	0.420	ng		98
28) Pyrene	19.20	202	15241	0.348	ng		99
30) Benzo(a)anthracene	20.95	228	13422	0.380	ng		98
31) Chrysene	21.02	228	15677	0.396	ng		98
32) Bis(2-ethylhexyl)phthalate	20.92	149	12191	0.346	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	14232	0.493	ng	#	93
35) Benzo(b)fluoranthene	22.54	252	11592	0.330	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	14787	0.354	ng		96
37) Benzo(a)pyrene	23.11	252	10917	0.374	ng	#	91
38) Dibenzo(a,h)anthracene	25.53	278	12239	0.474	ng	#	96
39) Benzo(g,h,i)perylene	26.20	276	12358	0.433	ng	#	90

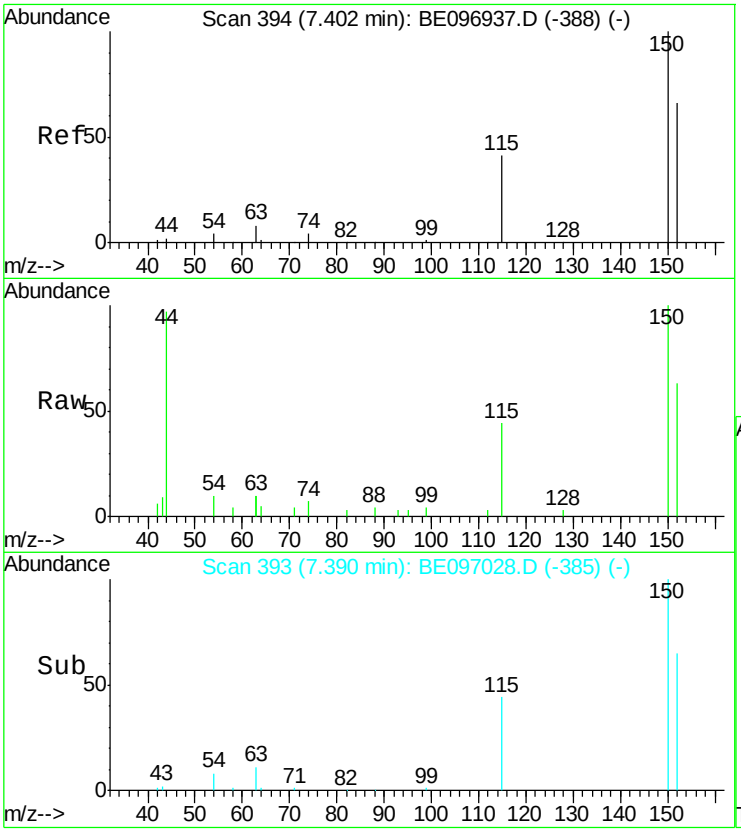
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072018\
Data File : BE097028.D
Acq On : 20 Jul 2018 15:36
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 20 17:02:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration



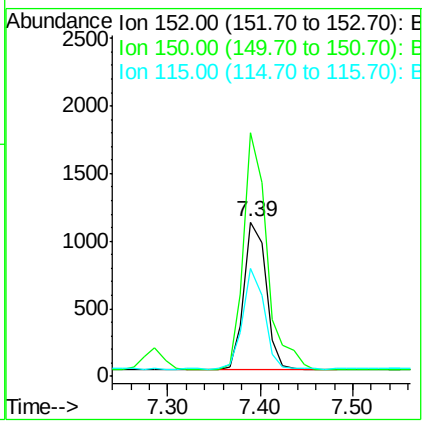


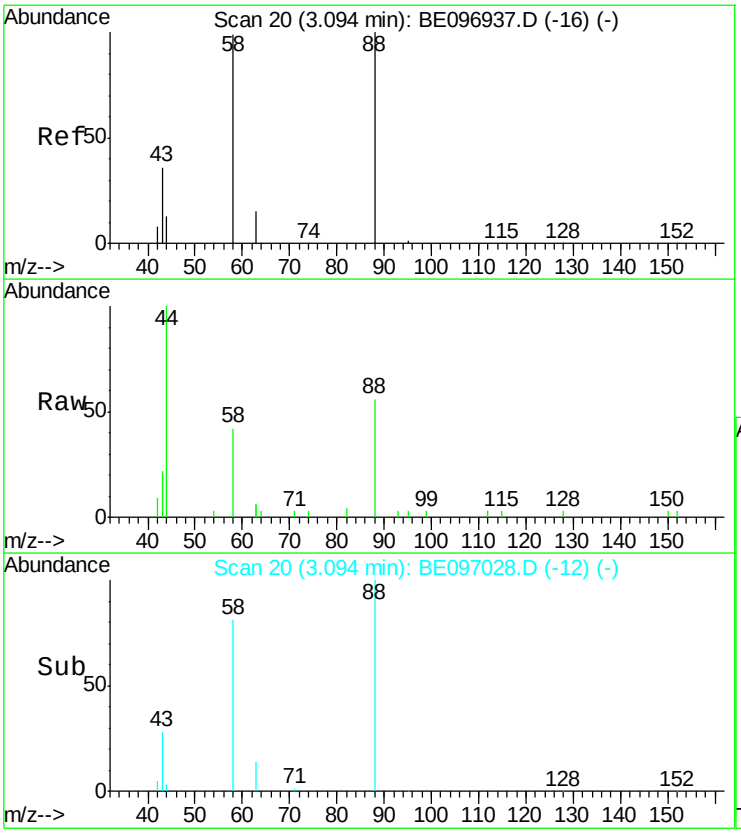
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1833

Ion	Ratio	Lower	Upper
152	100		
150	157.8	117.2	175.8
115	70.1	57.0	85.6

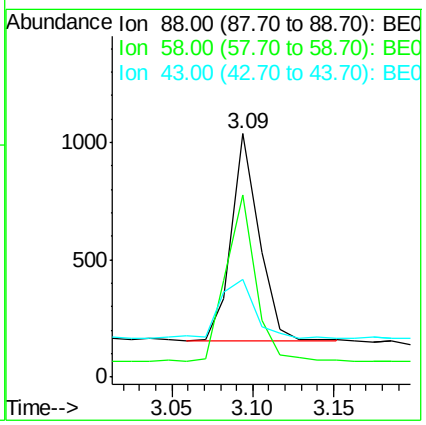


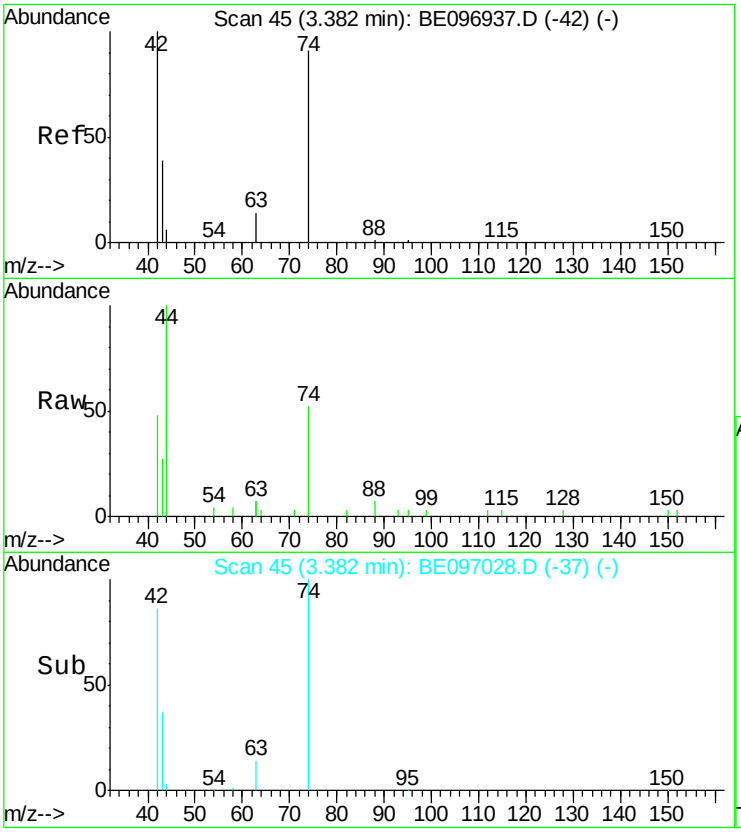


#2
1,4-Dioxane
Concen: 0.400 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion: 88 Resp: 1050

Ion	Ratio	Lower	Upper
88	100		
58	85.5	63.2	94.8
43	36.4	41.2	61.8#



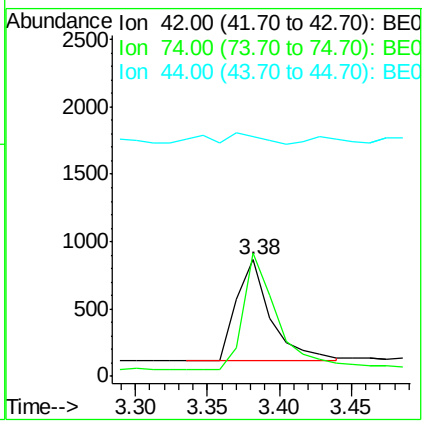


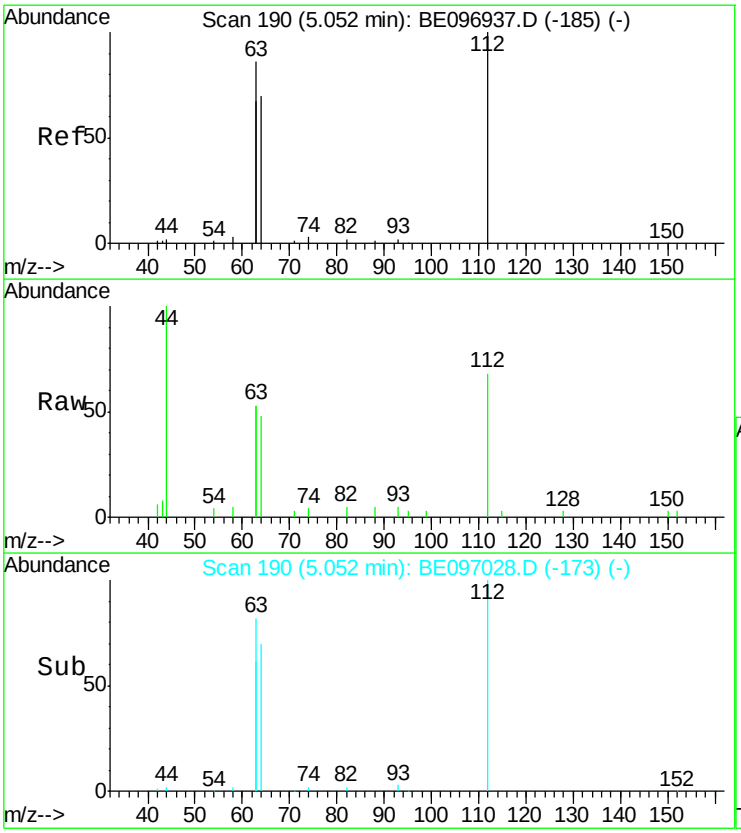
#3
n-Nitrosodimethylamine
Concen: 0.430 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1271

Ion	Ratio	Lower	Upper
42	100		
74	109.0	96.0	144.0
44	9.6	12.0	18.0#

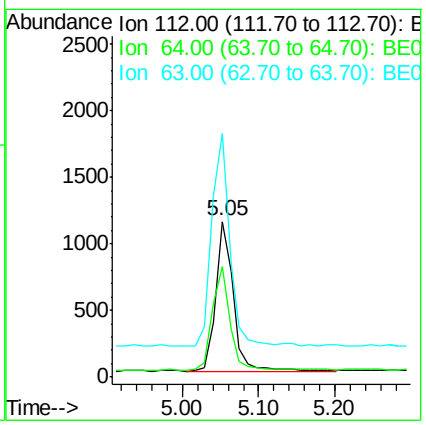


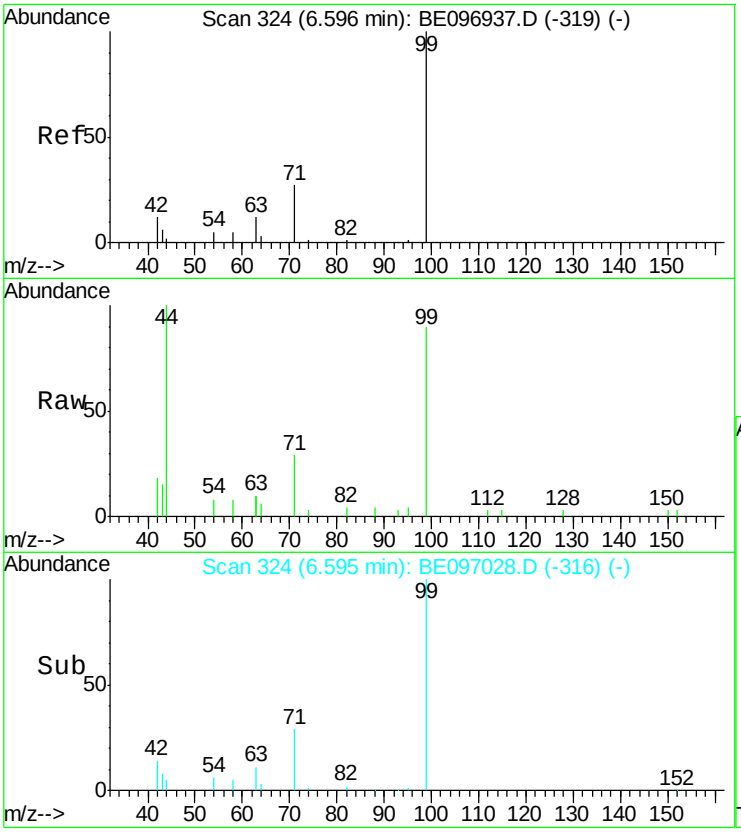


#4
2-Fluorophenol
Concen: 0.408 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:112 Resp: 1788

Ion	Ratio	Lower	Upper
112	100		
64	70.6	60.1	90.1
63	149.7	116.8	175.2



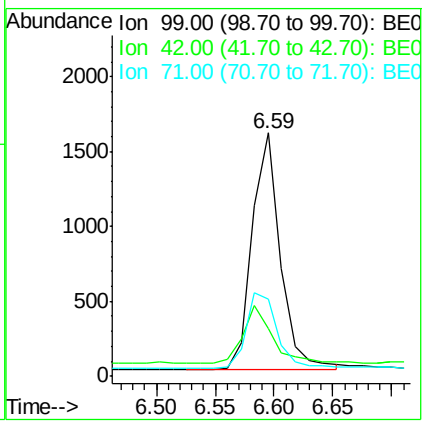


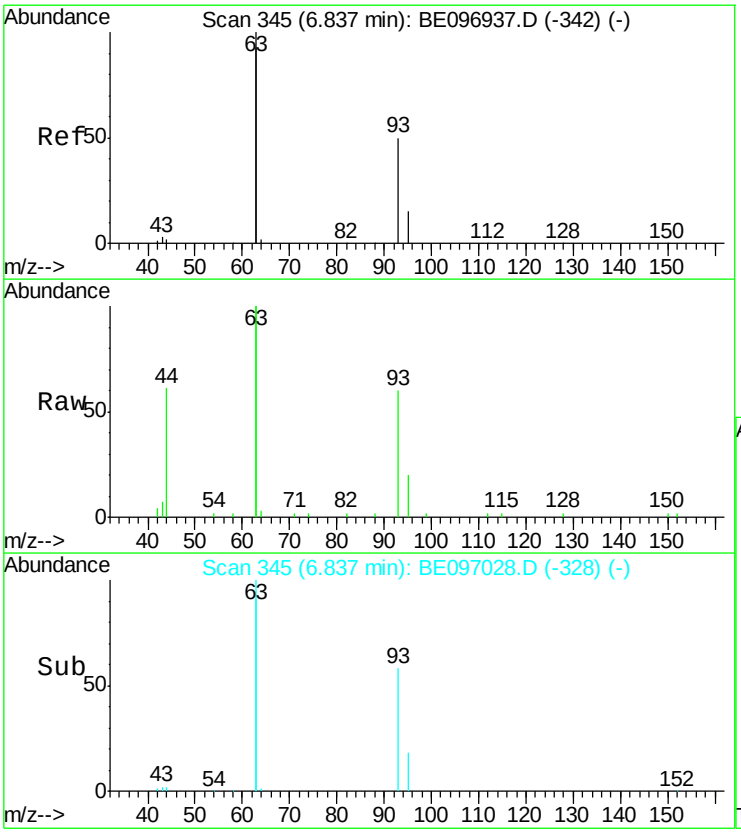
#5
Phenol-d6
Concen: 0.394 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2639

Ion	Ratio	Lower	Upper
99	100		
42	24.1	20.2	30.2
71	35.7	28.4	42.6

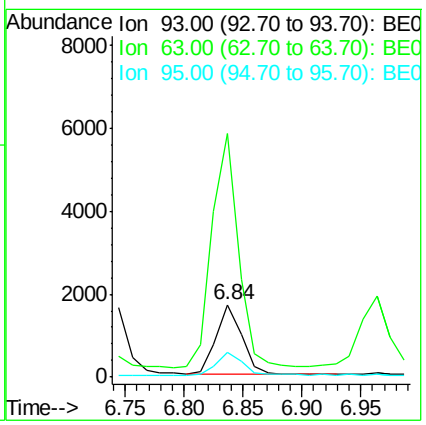


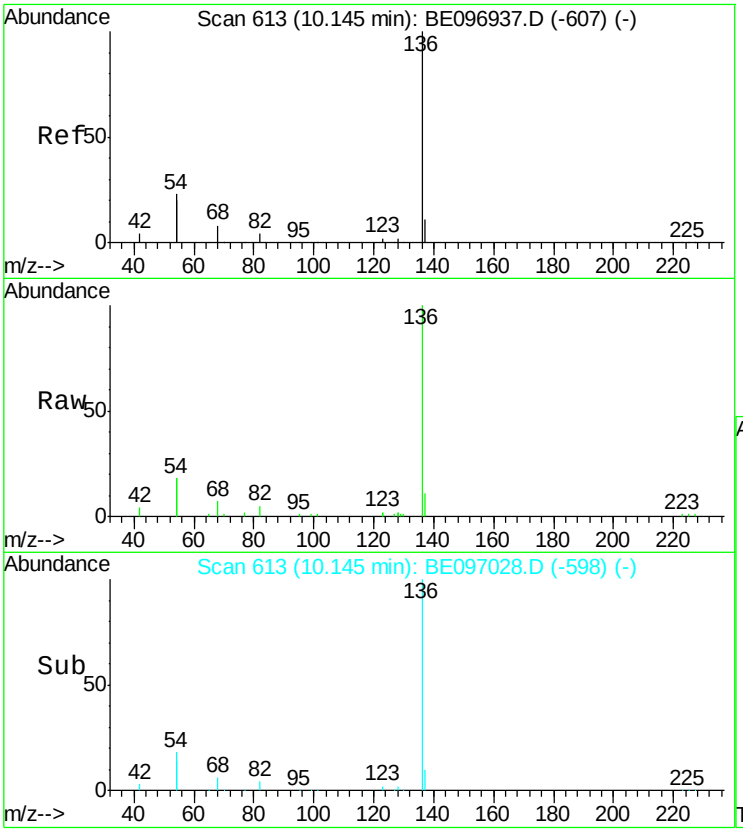


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion: 93 Resp: 2549

Ion	Ratio	Lower	Upper
93	100		
63	342.6	275.3	412.9
95	33.0	25.2	37.8



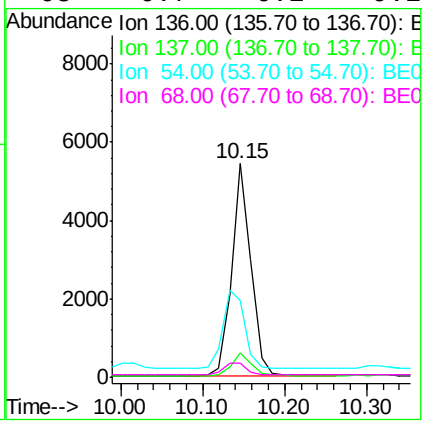


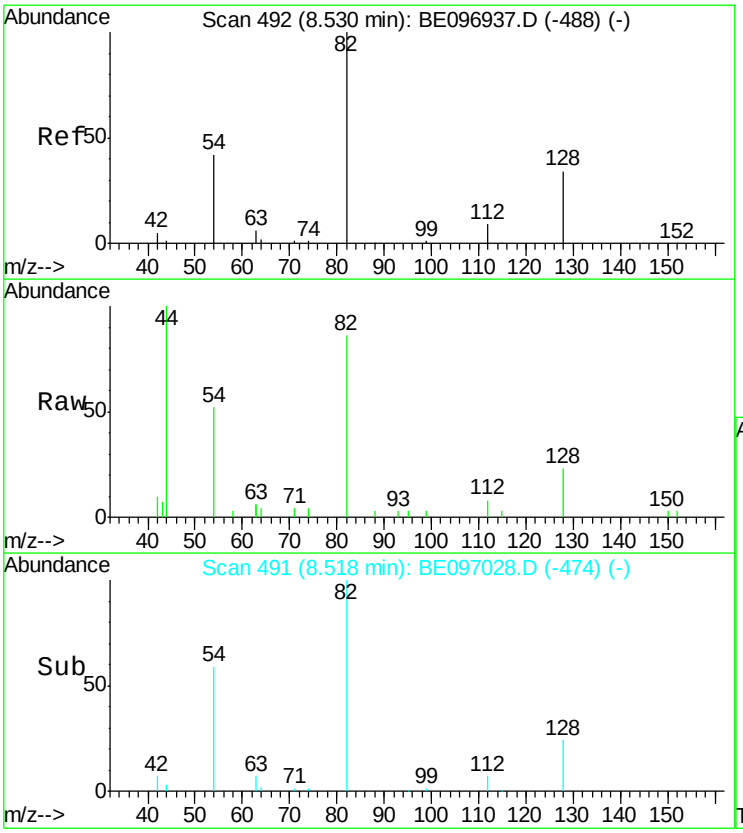
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 8711

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	36.2	29.1	43.7
68	6.7	6.2	9.2

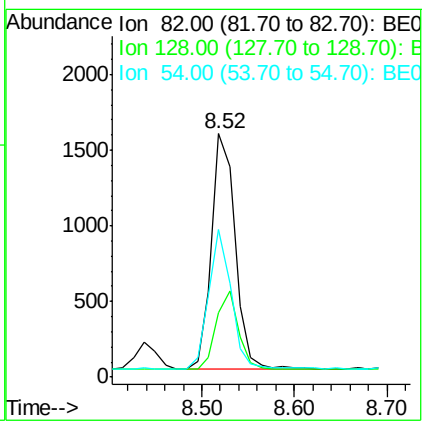


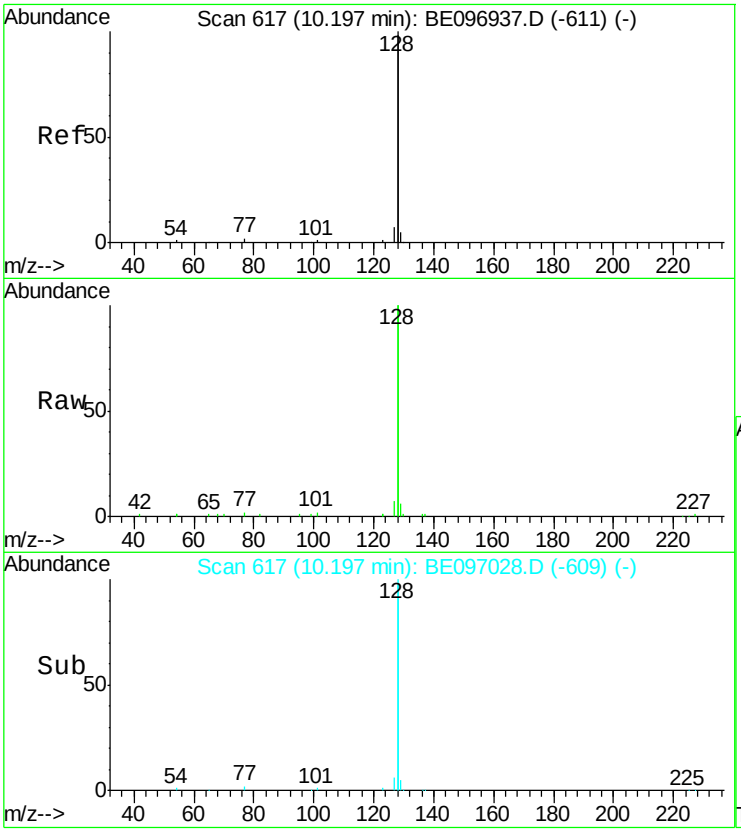


#8
Nitrobenzene-d5
Concen: 0.435 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion: 82 Resp: 2763

Ion	Ratio	Lower	Upper
82	100		
128	26.7	24.0	36.0
54	60.9	40.0	60.0#



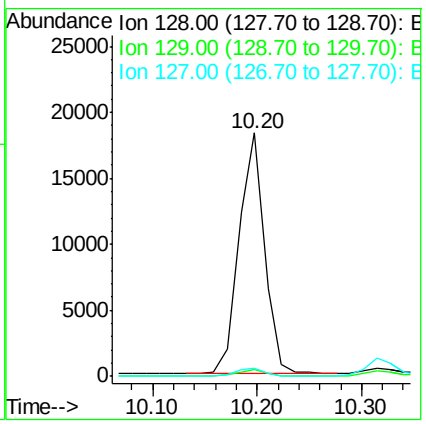


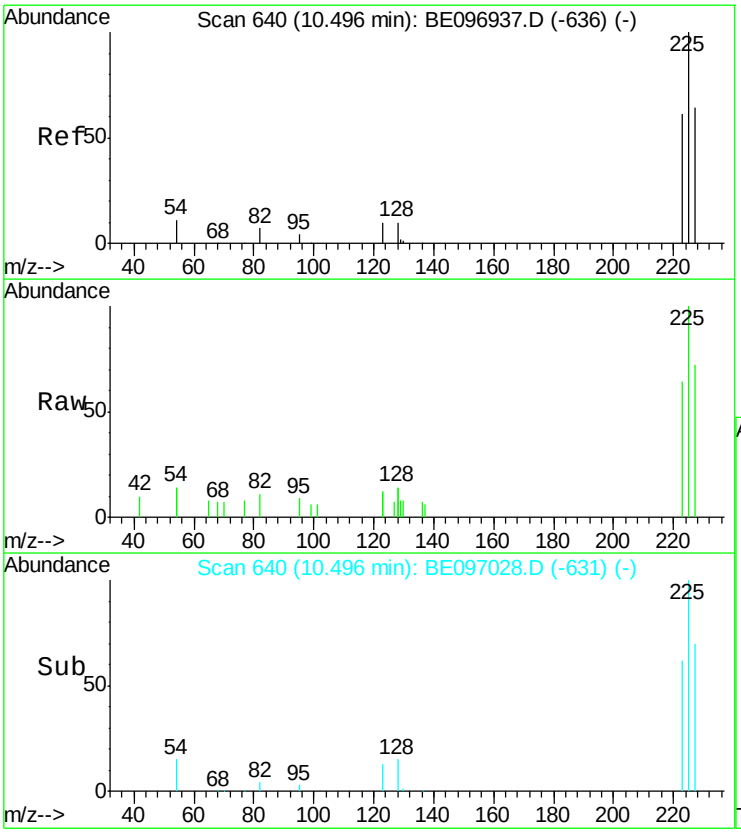
#9
Naphthalene
Concen: 0.398 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 31027

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.4	2.8	4.2

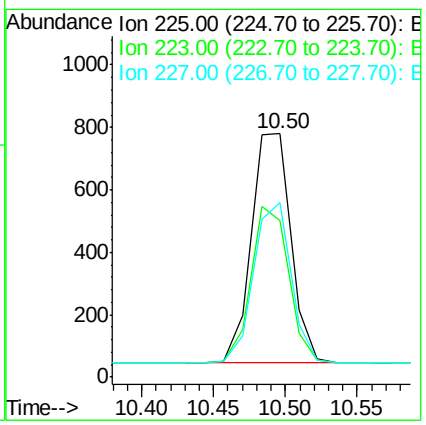


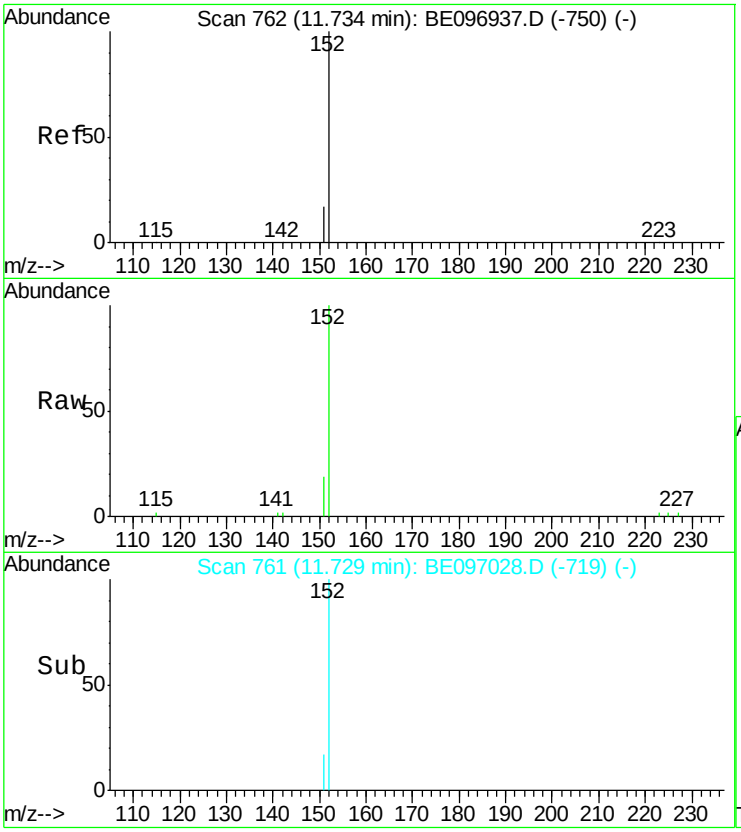


#10
Hexachlorobutadiene
Concen: 0.449 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.01 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:225 Resp: 1415

Ion	Ratio	Lower	Upper
225	100		
223	64.3	53.0	79.6
227	66.6	51.4	77.2



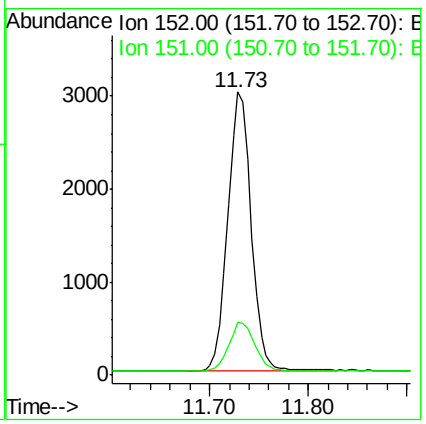


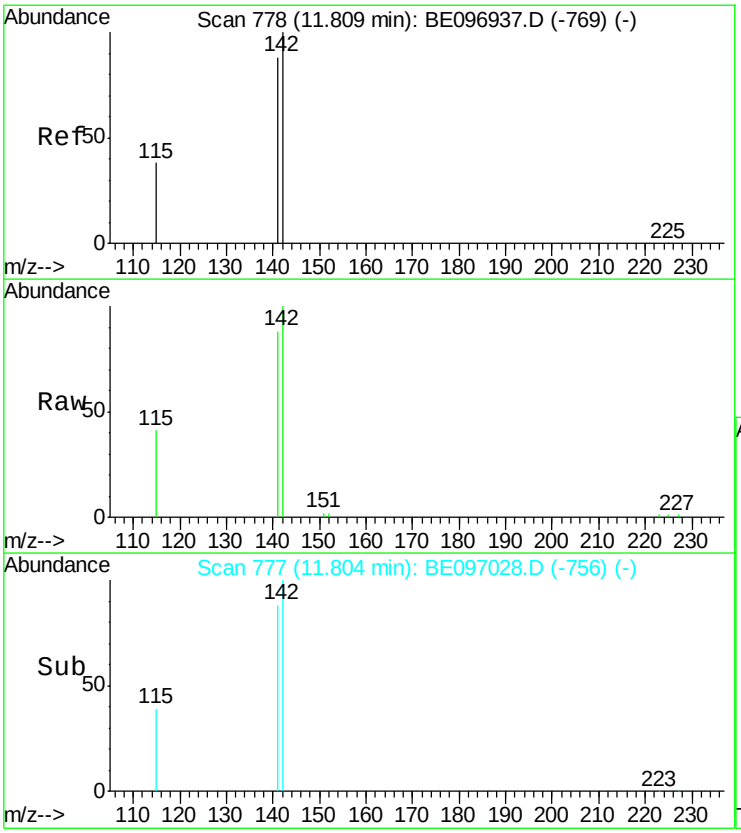
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4911

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

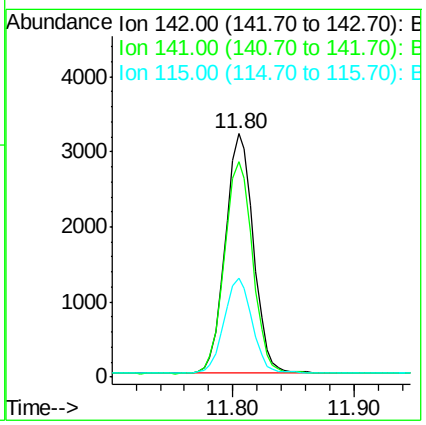


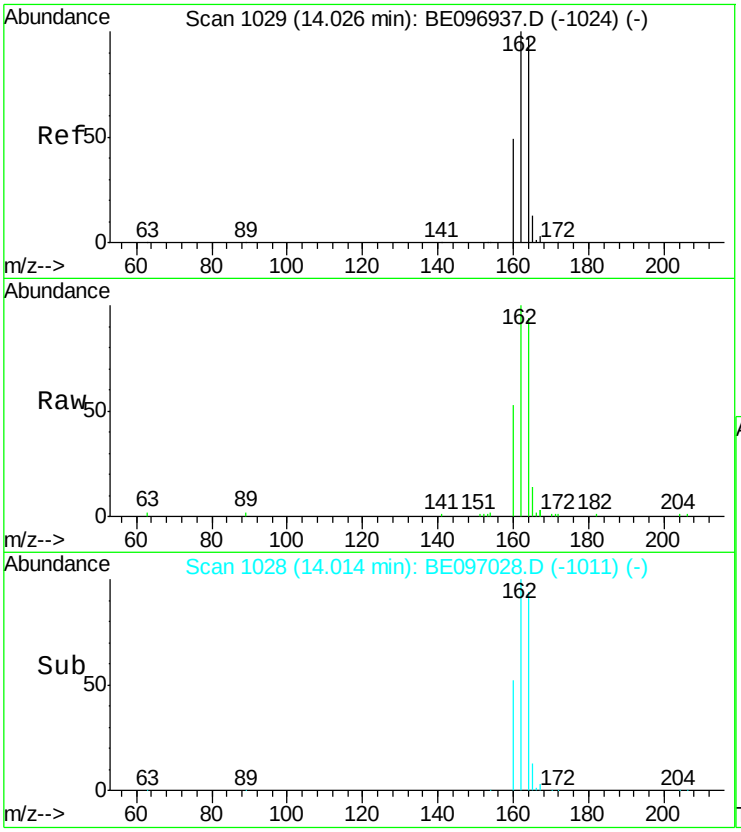


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:142 Resp: 5147

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.4	105.6
115	40.5	31.7	47.5



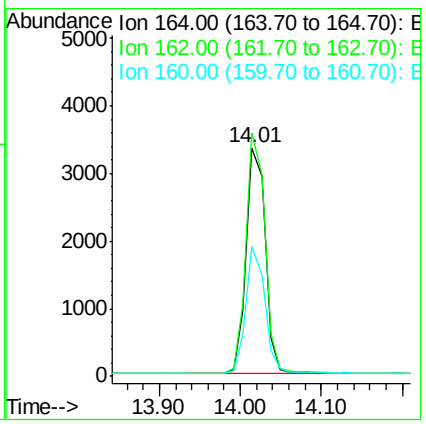


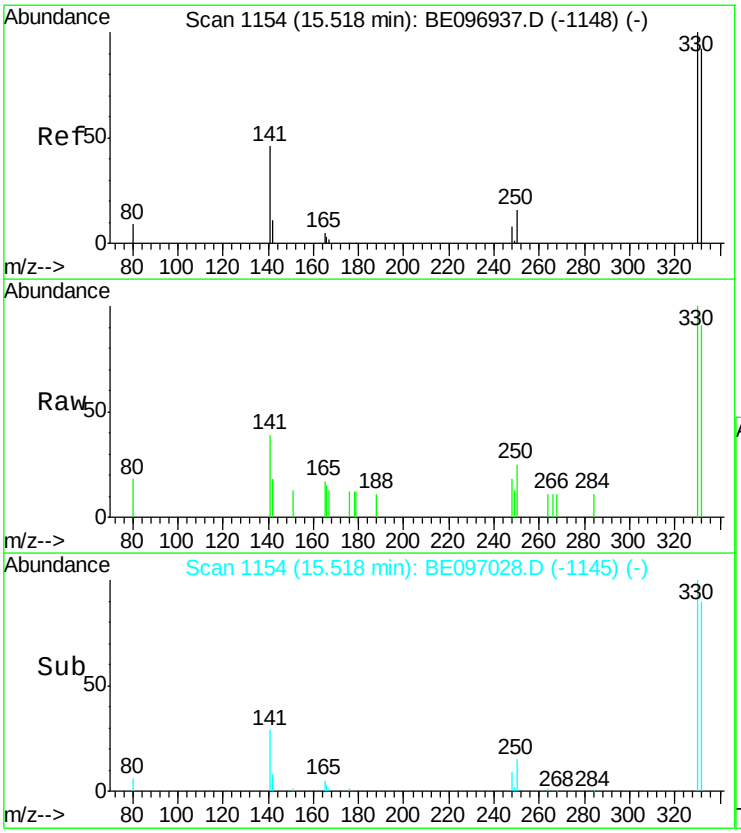
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5446

Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.1	124.7
160	56.5	37.1	55.7#

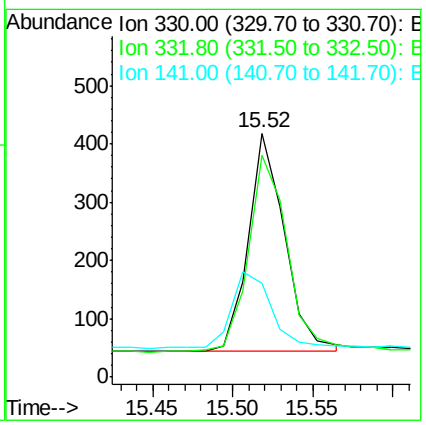


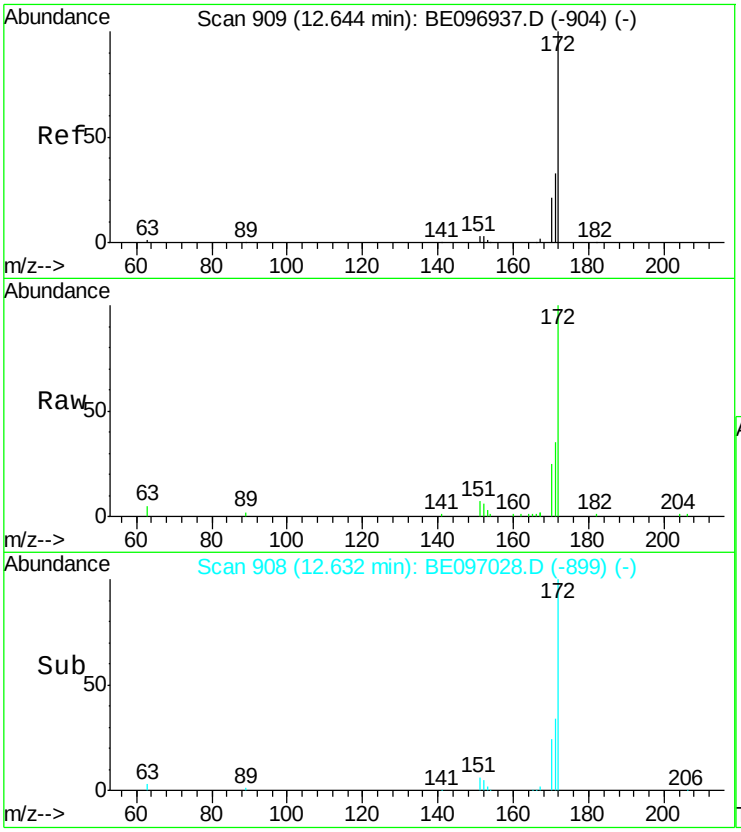


#14
2,4,6-Tribromophenol
Concen: 0.481 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:330 Resp: 591

Ion	Ratio	Lower	Upper
330	100		
332	96.3	152.7	229.1#
141	37.6	33.7	50.5



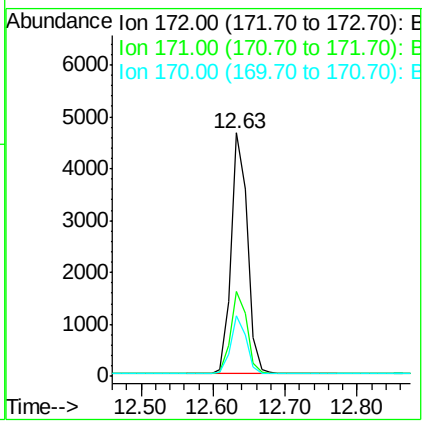


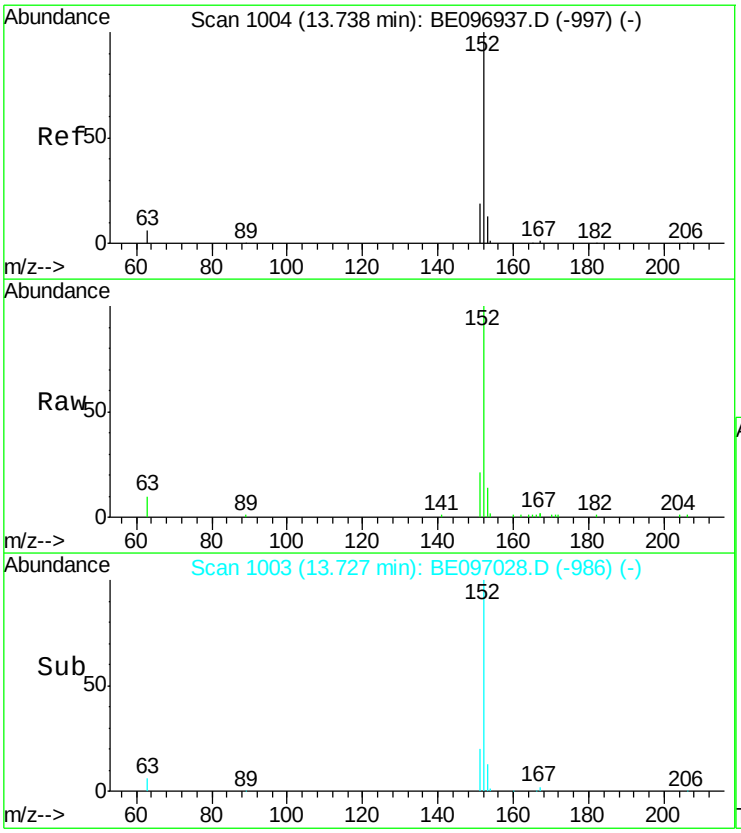
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7316

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	24.8	21.8	32.8

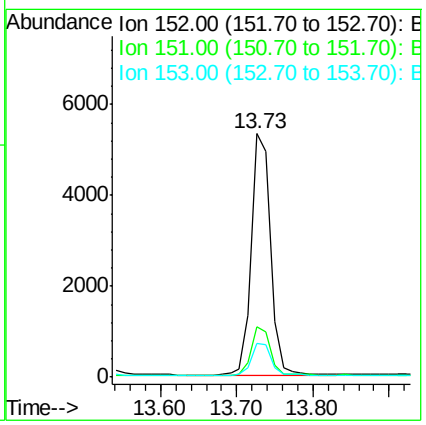


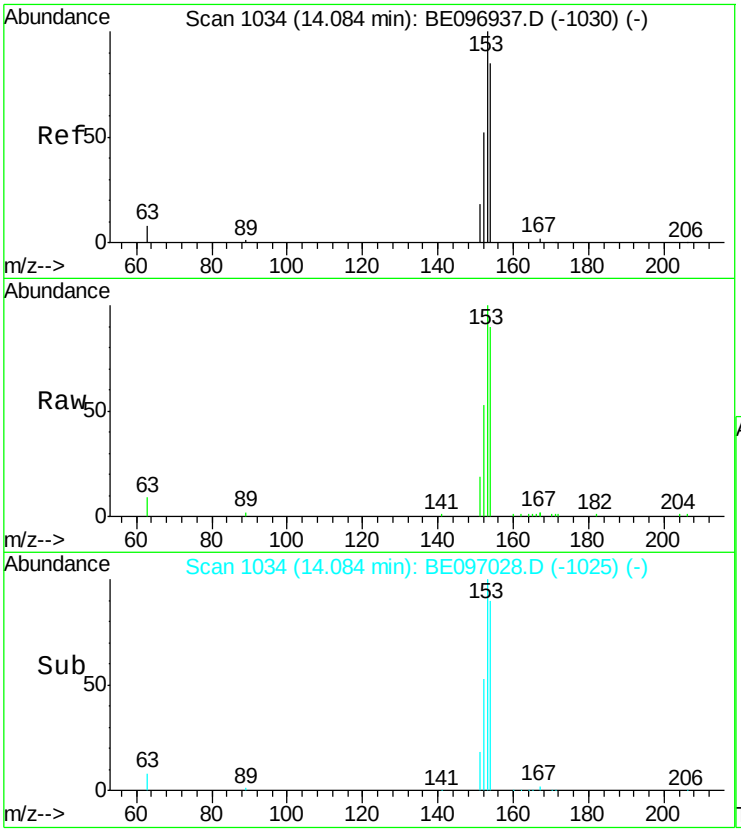


#16
Acenaphthylene
Concen: 0.368 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:152 Resp: 9151

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.1	10.5	15.7



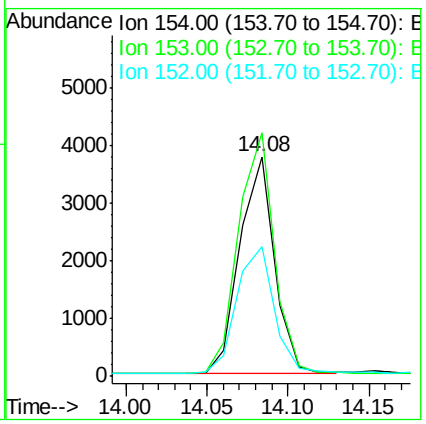


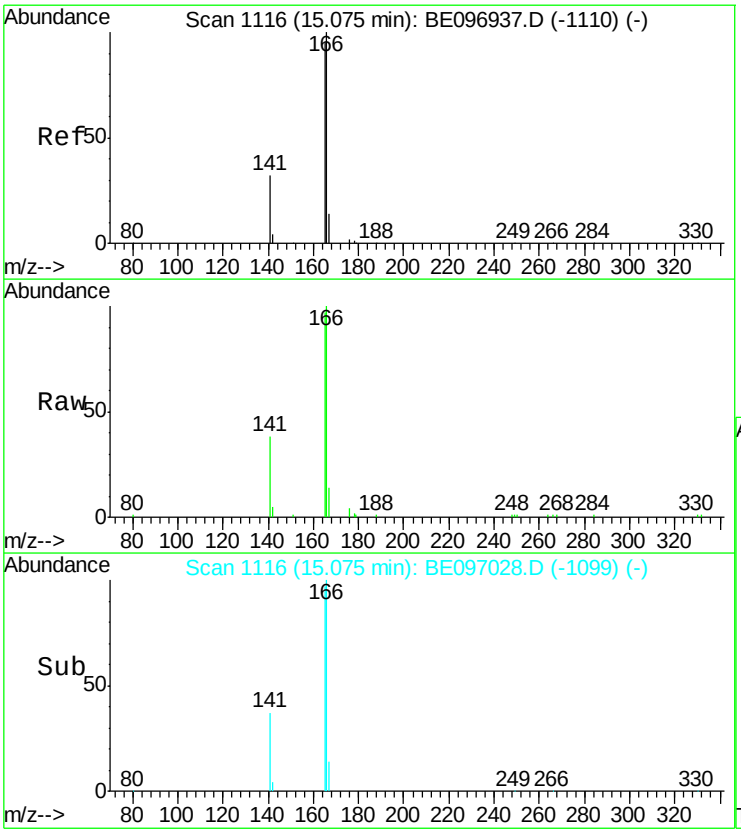
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5596

Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.2	133.8
152	63.1	42.0	63.0#

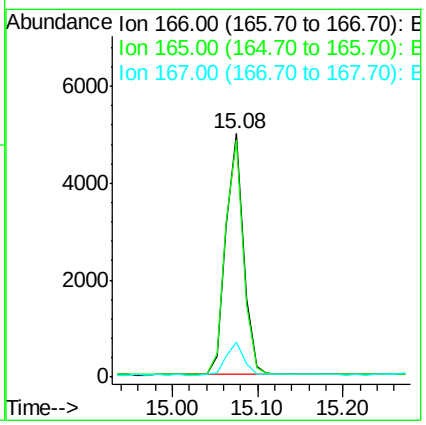


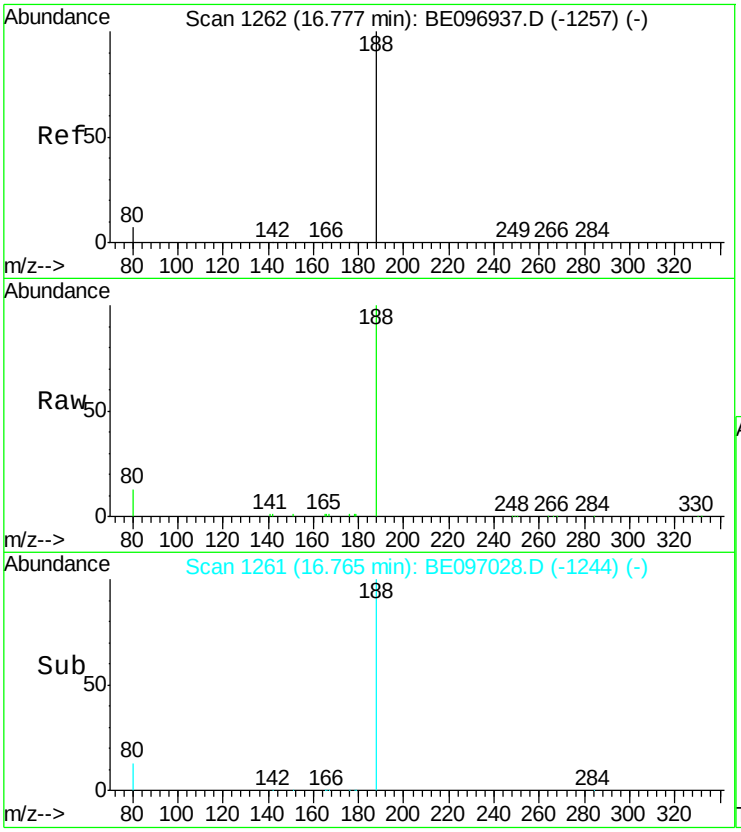


#18
Fluorene
Concen: 0.415 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:166 Resp: 7205

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.6
167	13.5	42.4	63.6#



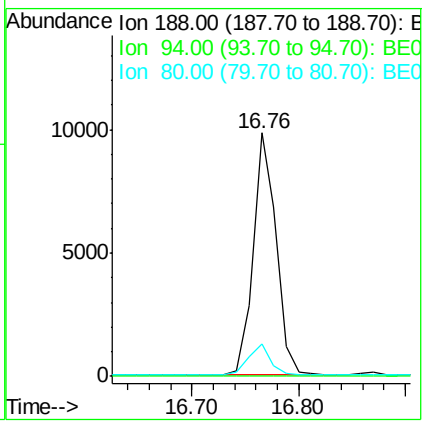


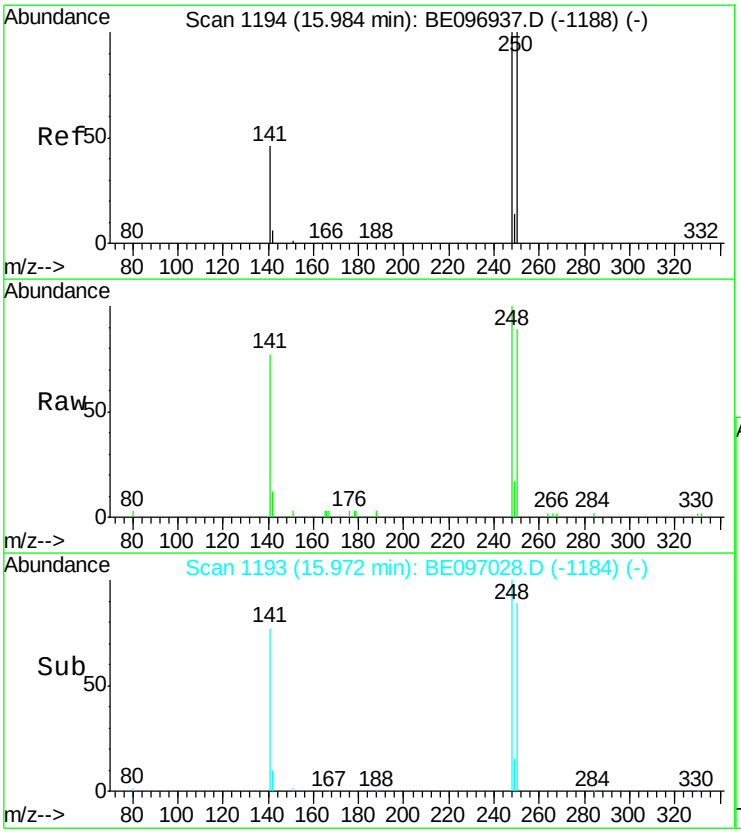
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 14766

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.2	3.6	5.4#

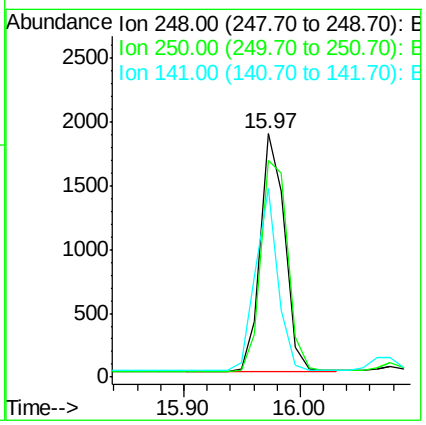


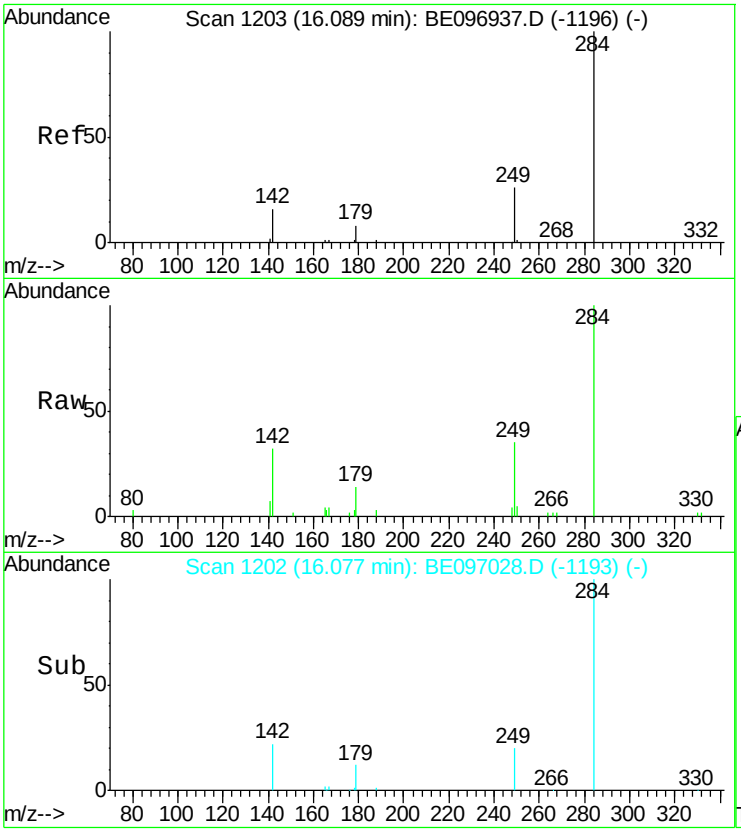


#20
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:248 Resp: 2745

Ion	Ratio	Lower	Upper
248	100		
250	89.3	62.7	94.1
141	77.4	48.2	72.2#



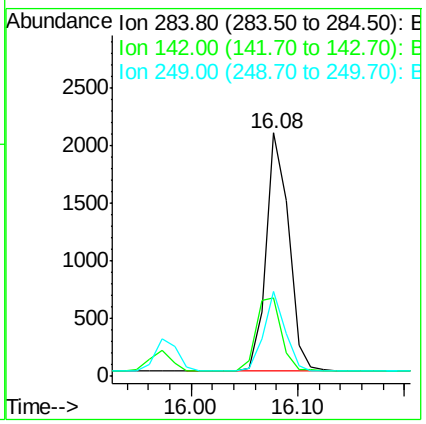


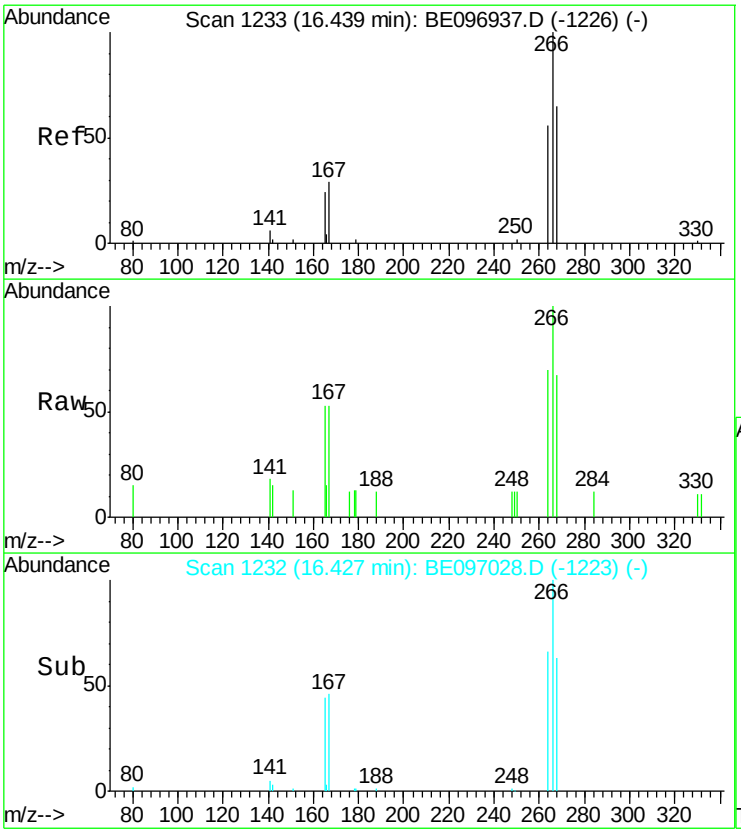
#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3061

Ion	Ratio	Lower	Upper
284	100		
142	34.3	22.1	33.1#
249	30.9	34.8	52.2#

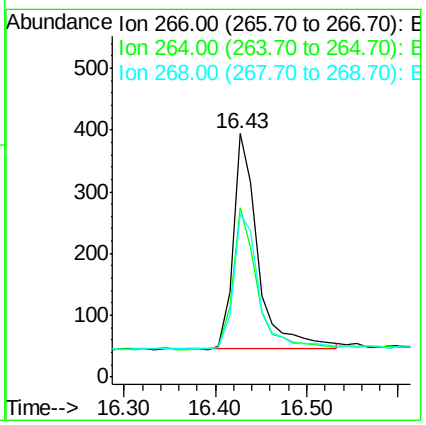


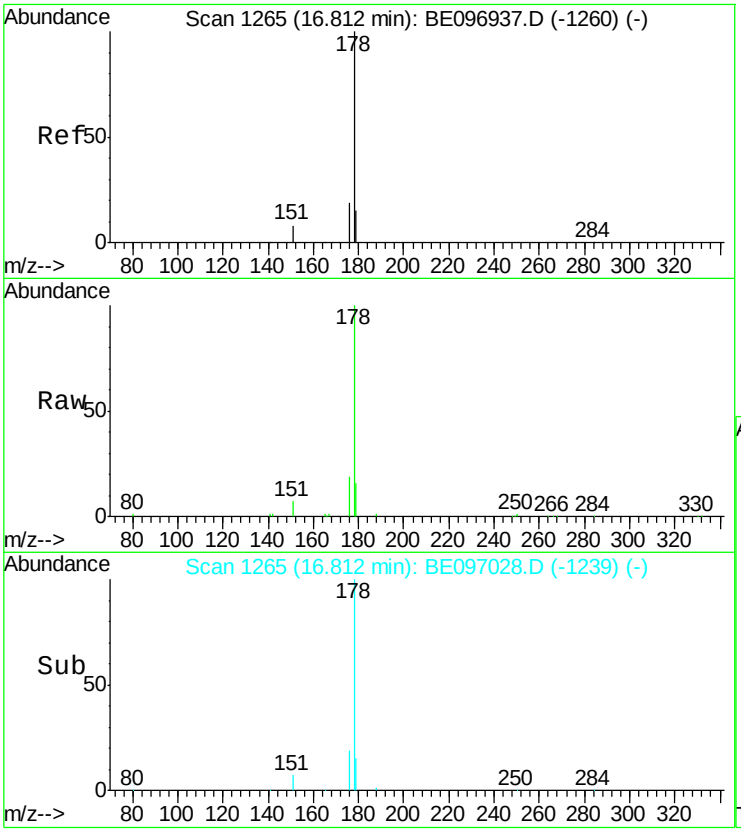


#22
Pentachlorophenol
Concen: 0.553 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:266 Resp: 654

Ion	Ratio	Lower	Upper
266	100		
264	69.5	72.5	108.7#
268	66.8	73.8	110.6#



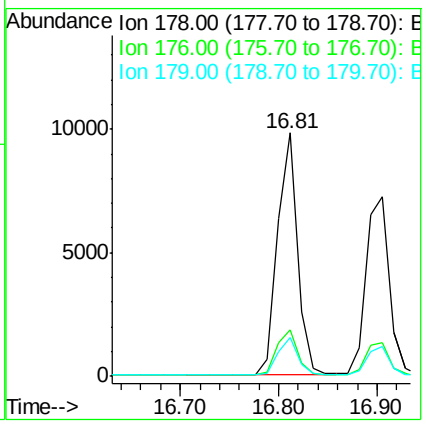


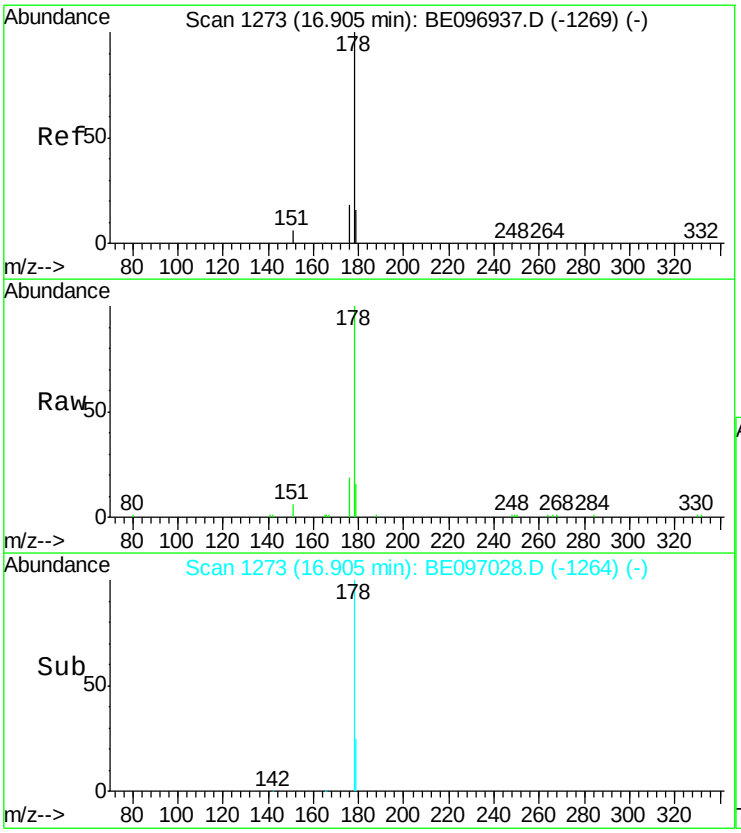
#23
Phenanthrene
Concen: 0.391 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 13838

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.3	11.8	17.6

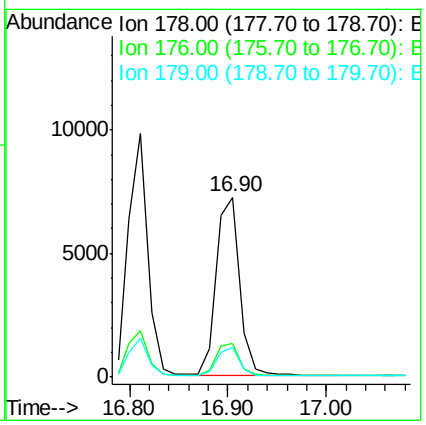


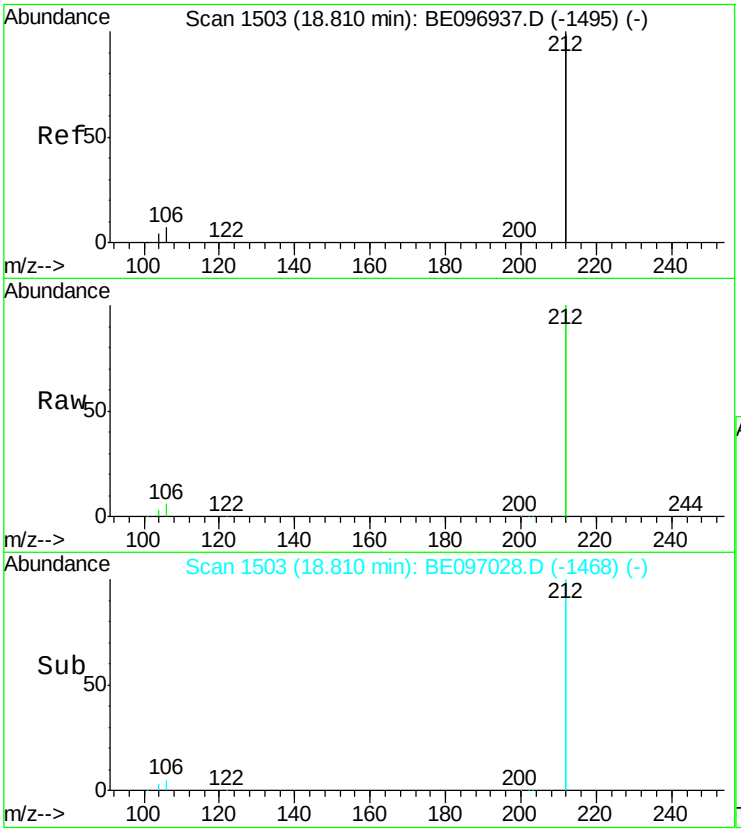


#24
Anthracene
Concen: 0.384 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:178 Resp: 11804

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.3	13.0	19.6



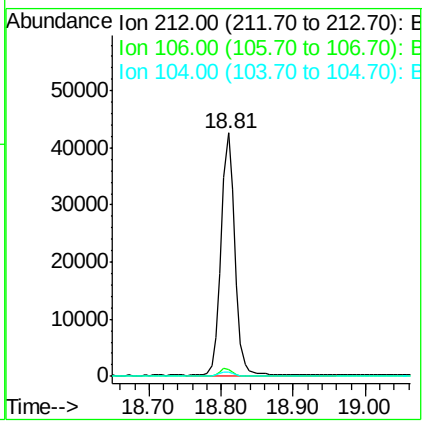


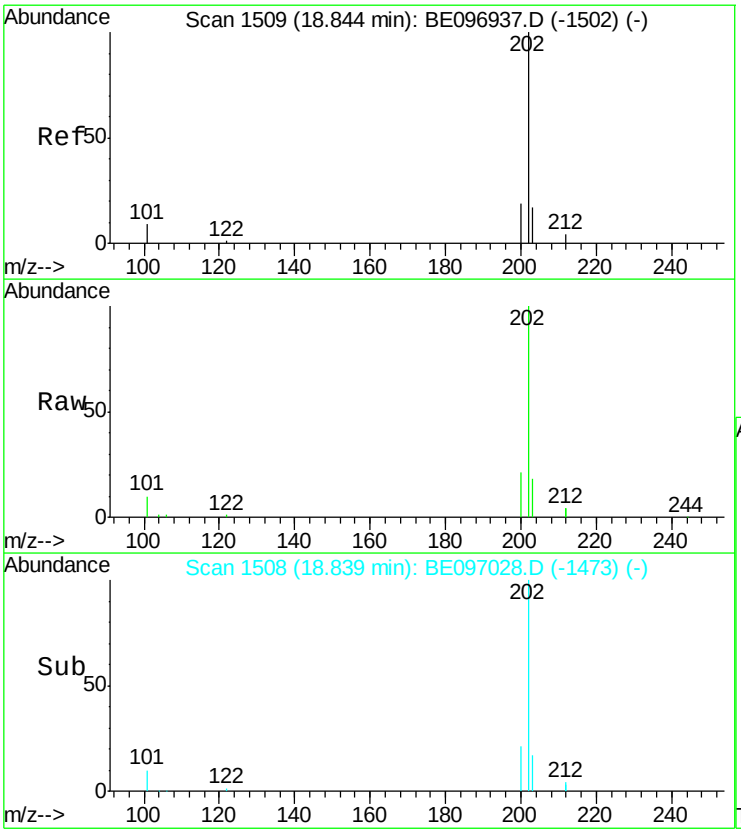
#25
Fluoranthene-d10
Concen: 0.438 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 56322

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.8	1.6	2.4

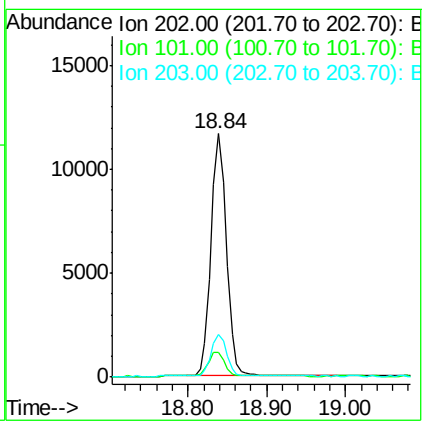


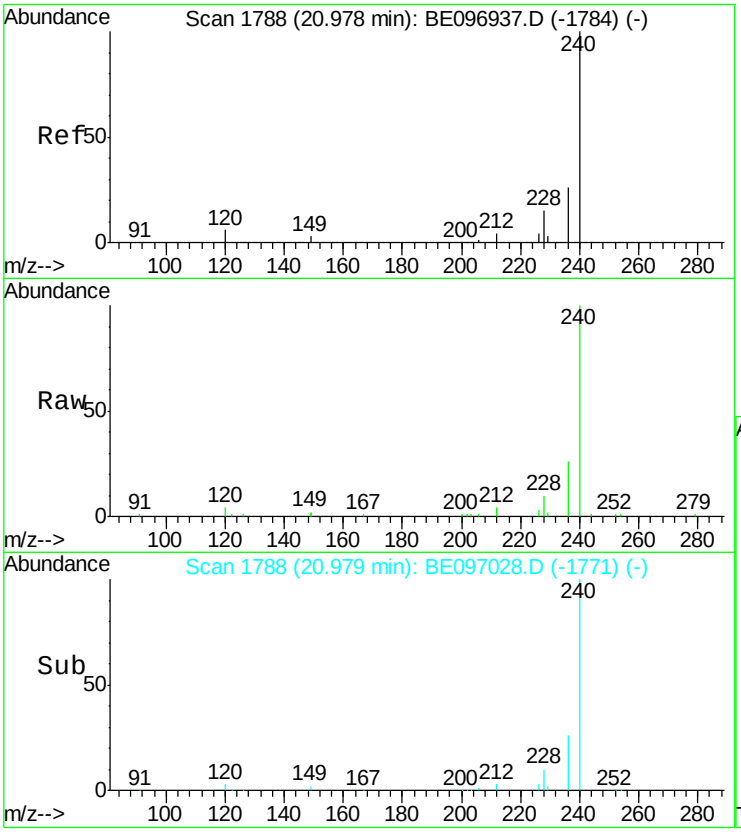


#26
Fluoranthene
Concen: 0.420 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:202 Resp: 15680

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.3	13.7	20.5



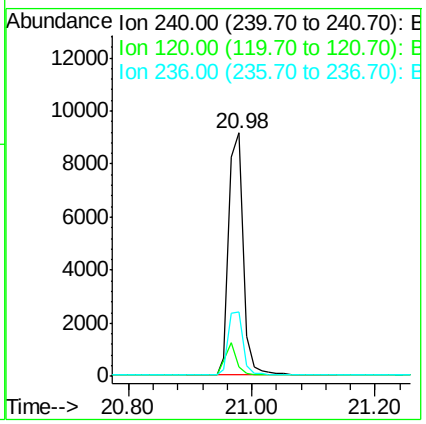


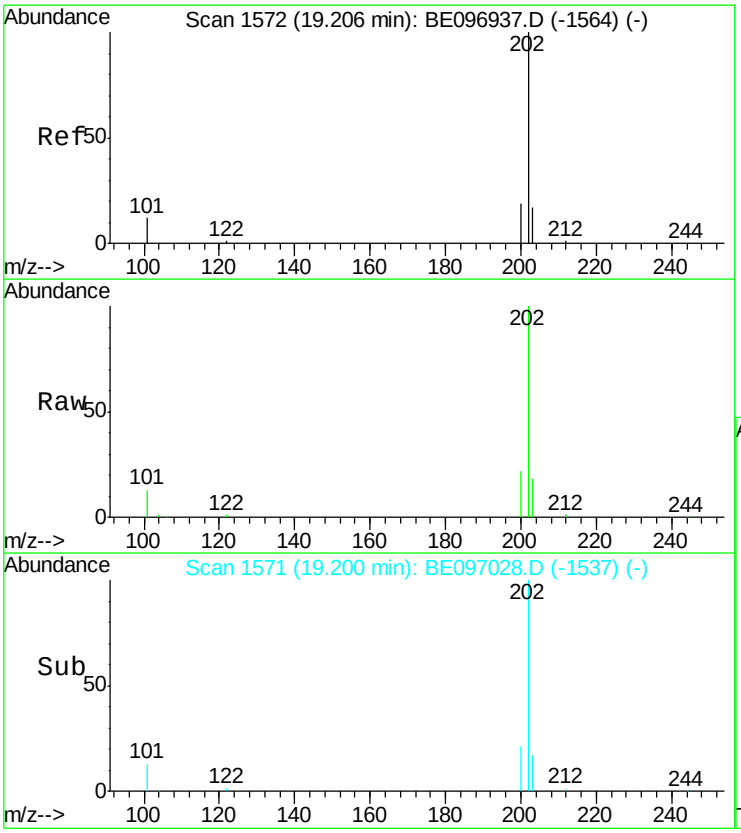
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 14830

Ion	Ratio	Lower	Upper
240	100		
120	4.0	5.5	8.3#
236	26.4	20.7	31.1

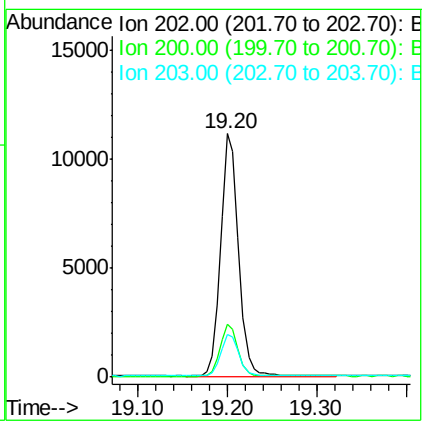


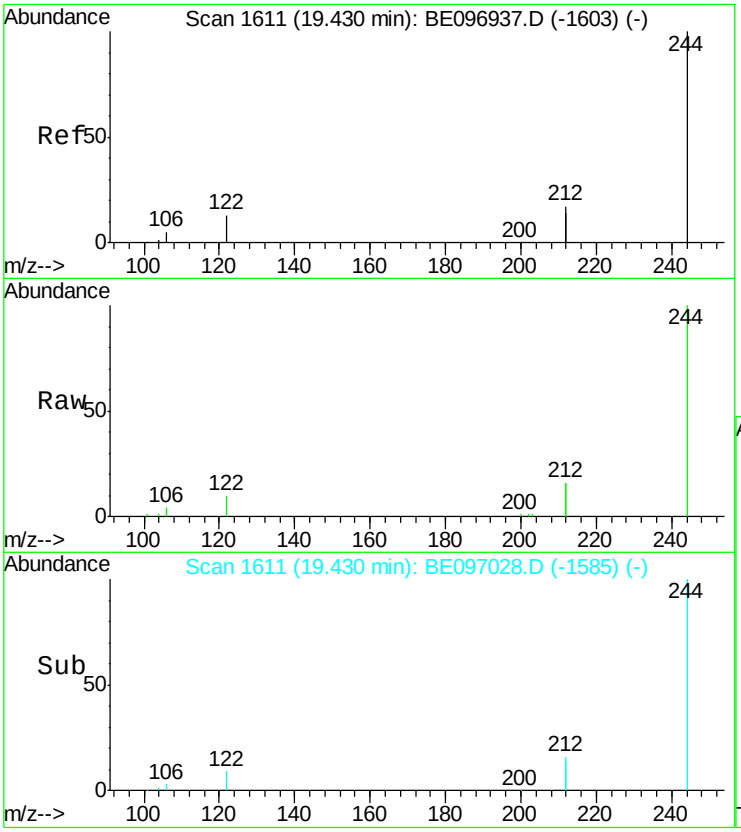


#28
Pyrene
Concen: 0.348 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:202 Resp: 15241

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



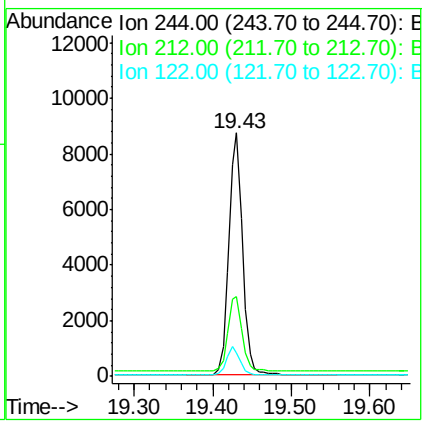


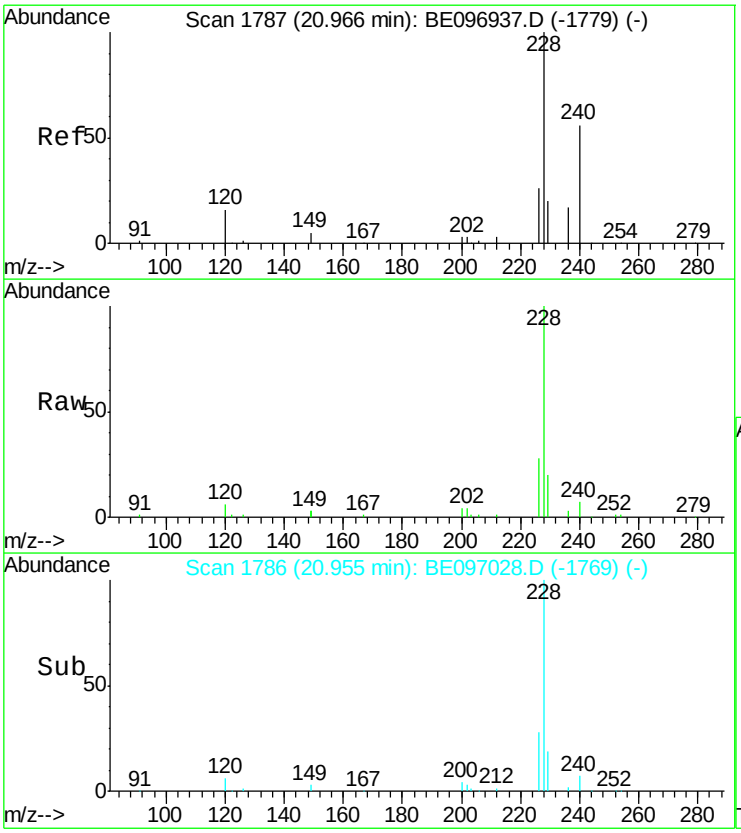
#29
Terphenyl-d14
Concen: 0.372 ng
RT: 19.43 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 10650

Ion	Ratio	Lower	Upper
244	100		
212	32.7	25.4	38.0
122	9.9	8.1	12.1

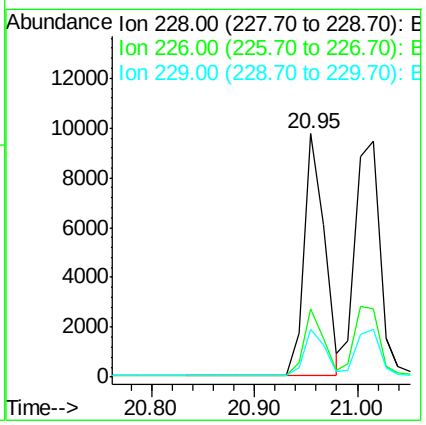


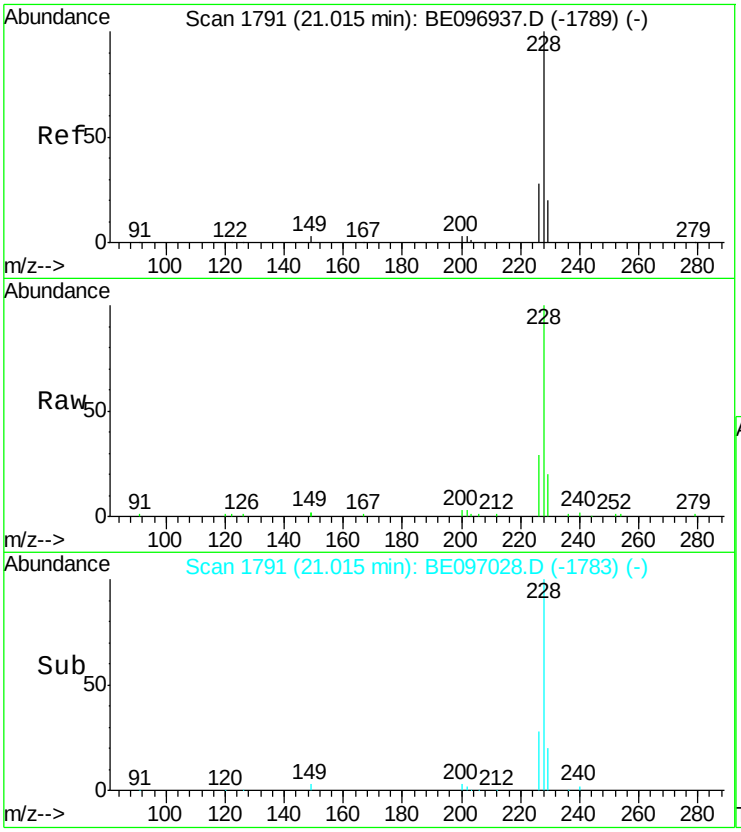


#30
Benzo(a)anthracene
Concen: 0.380 ng
RT: 20.95 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:228 Resp: 13422

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	19.6	16.0	24.0



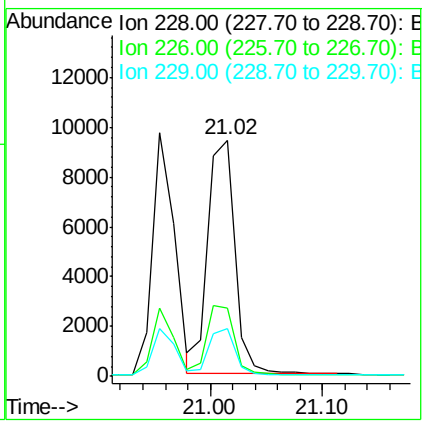


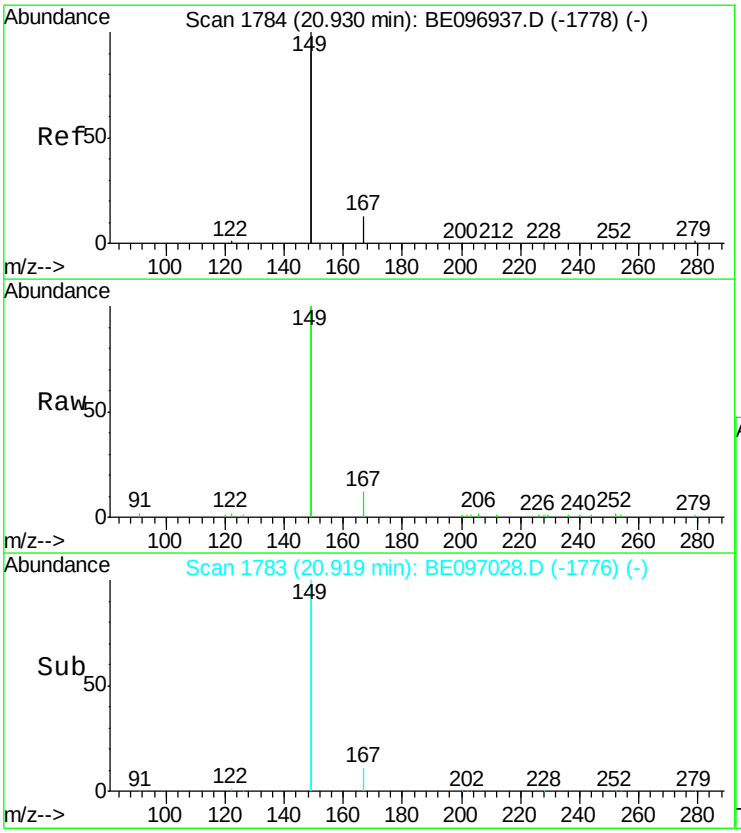
#31
Chrysene
Concen: 0.396 ng
RT: 21.02 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 15677

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	20.3	16.0	24.0

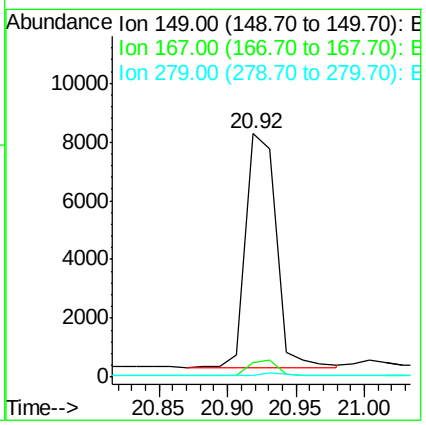


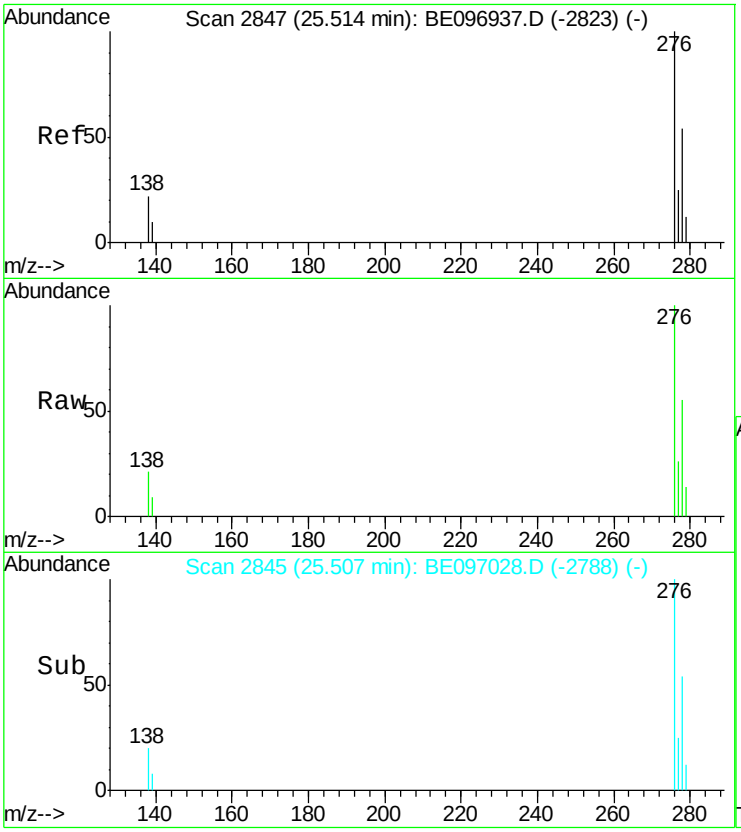


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.346 ng
RT: 20.92 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:149 Resp: 12191

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	0.9	0.7	1.1



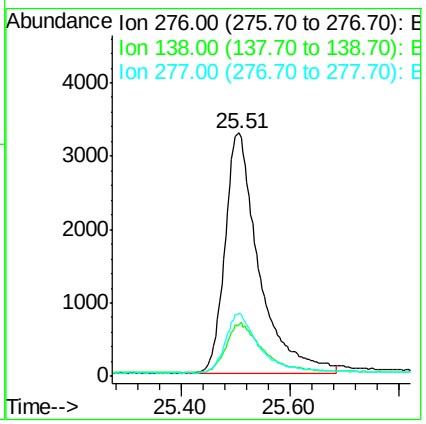


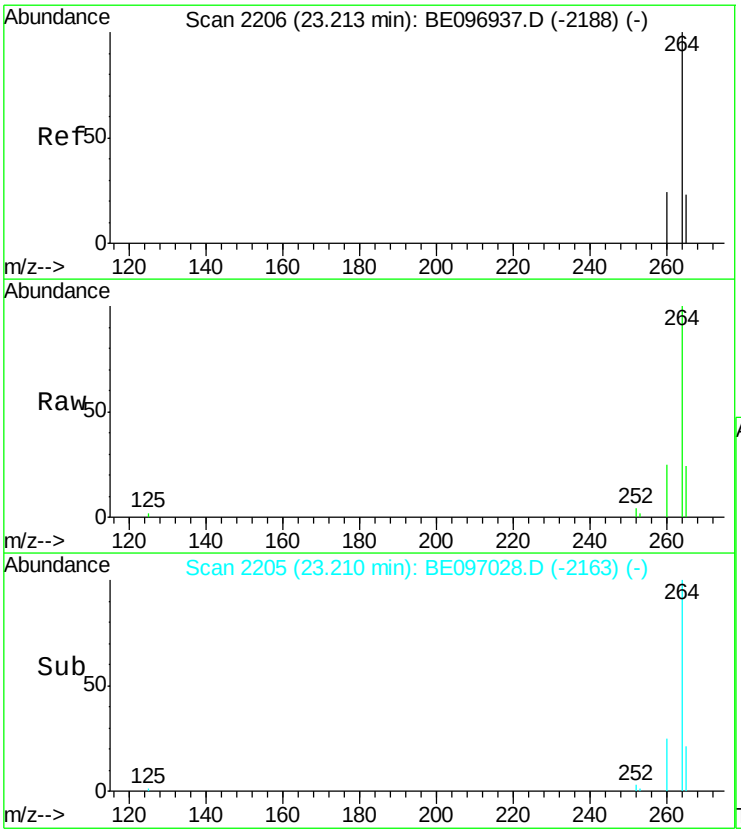
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.493 ng
RT: 25.51 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 14232

Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.5	33.7#
277	24.0	19.9	29.9

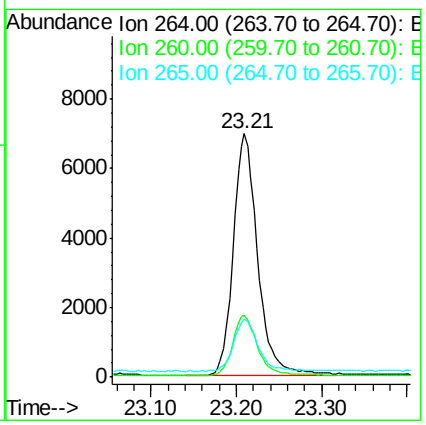


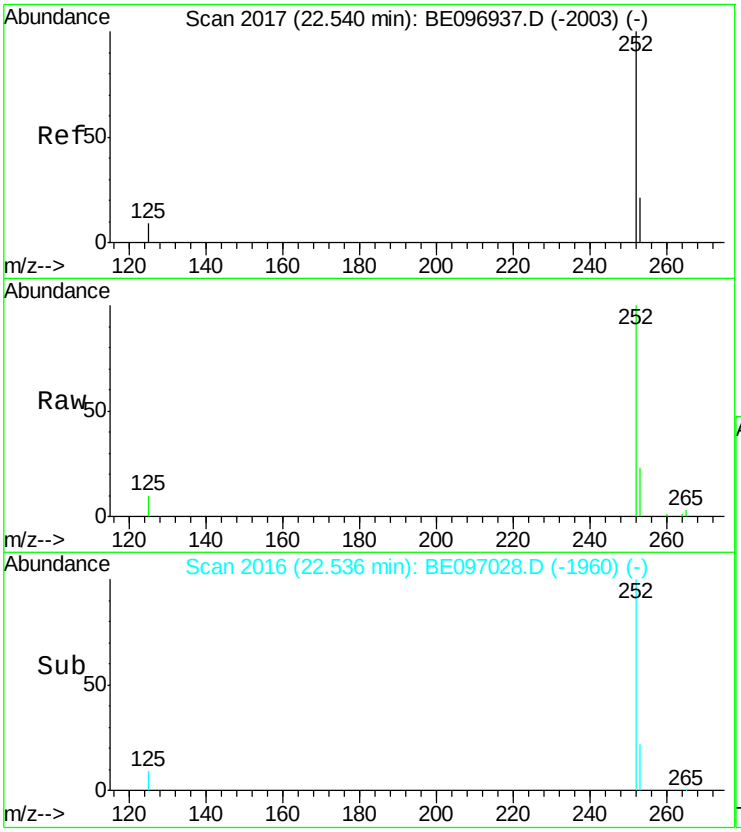


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:264 Resp: 13763

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.5	30.7
265	23.6	22.8	34.2



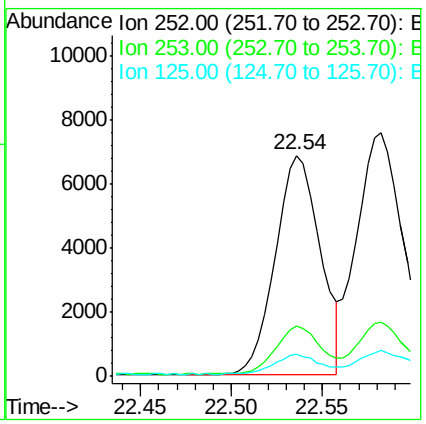


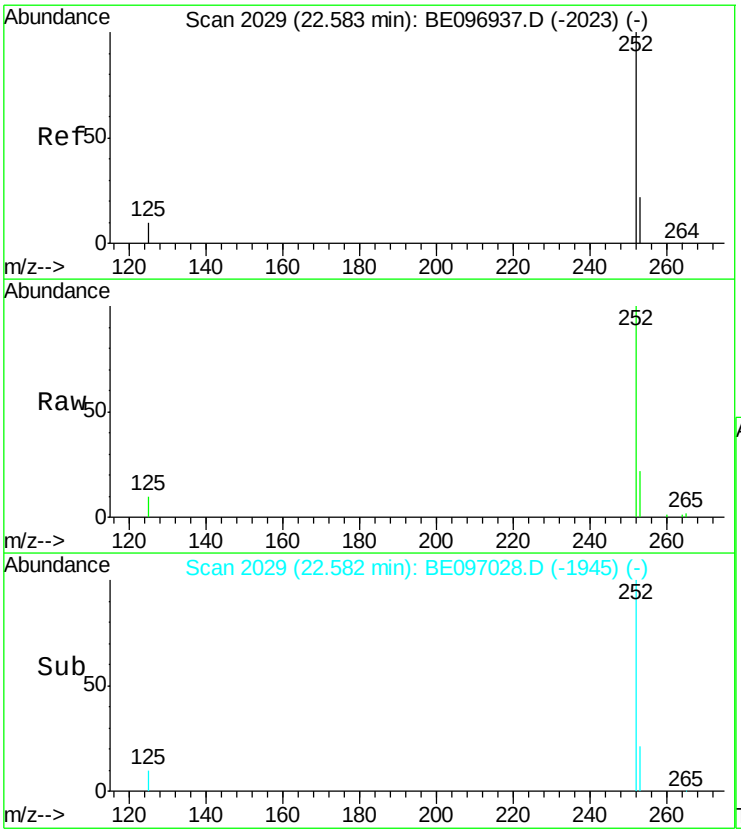
#35
Benzo(b)fluoranthene
Concen: 0.330 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11592

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.0	30.0
125	10.0	16.0	24.0#

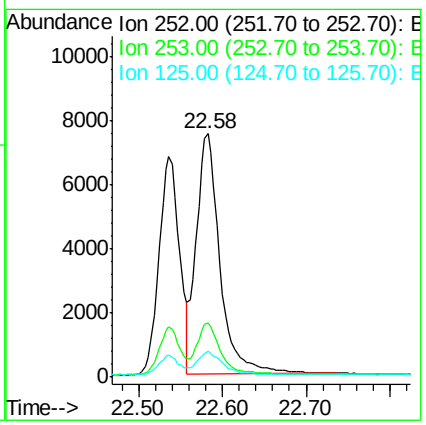


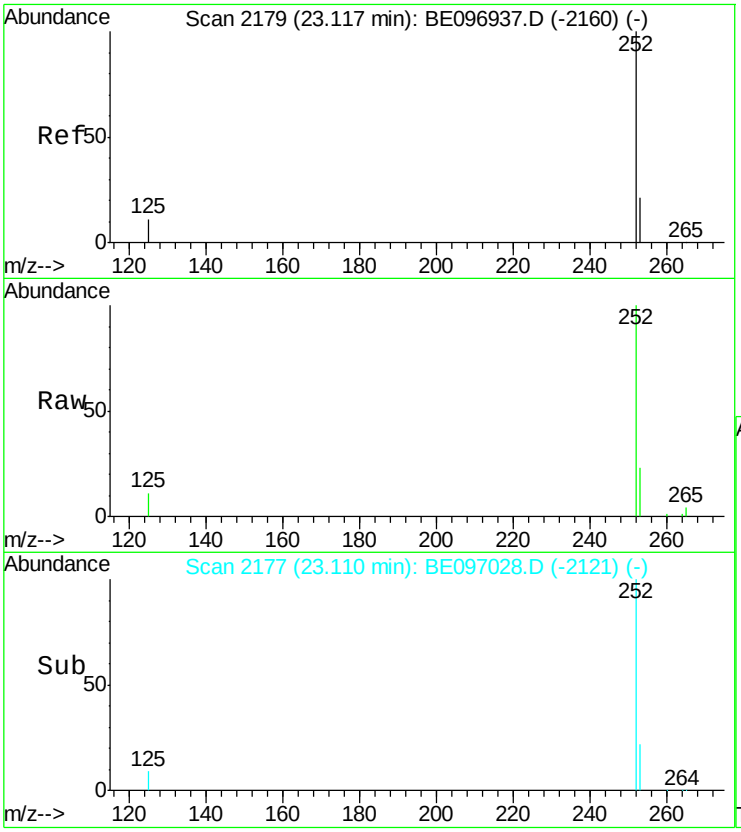


#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:252 Resp: 14787

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.0	24.0
125	10.5	8.0	12.0



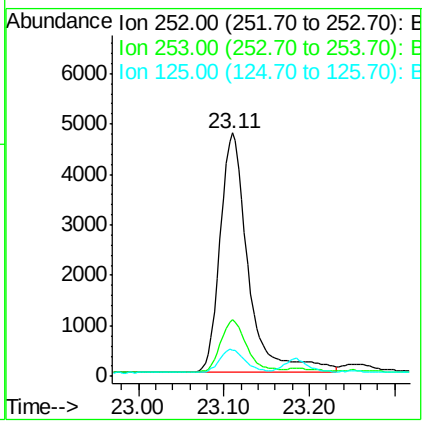


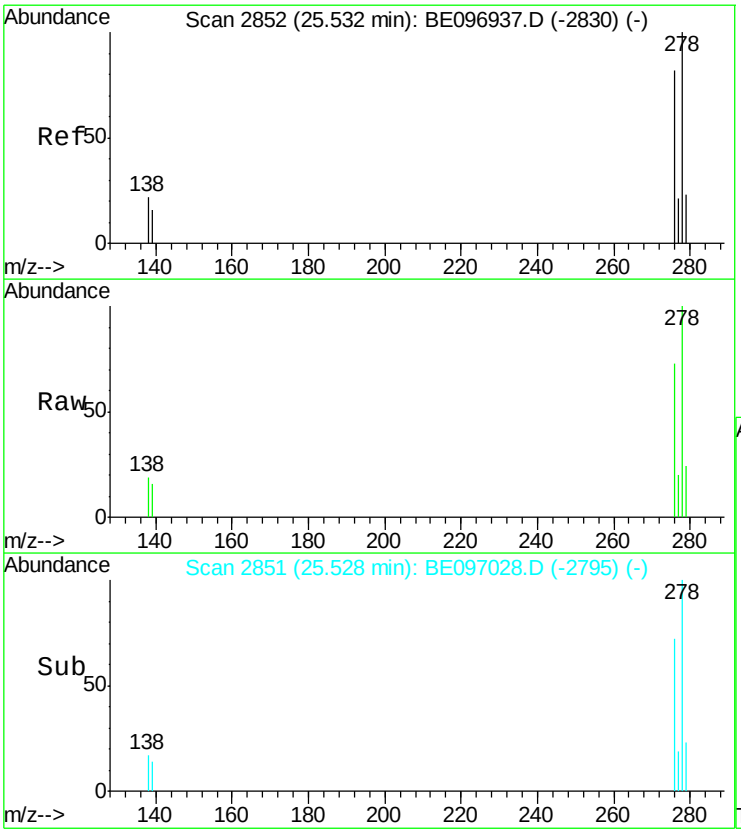
#37
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10917

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	10.8	12.0	18.0#

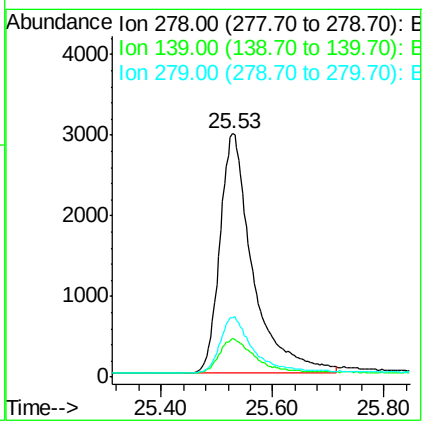


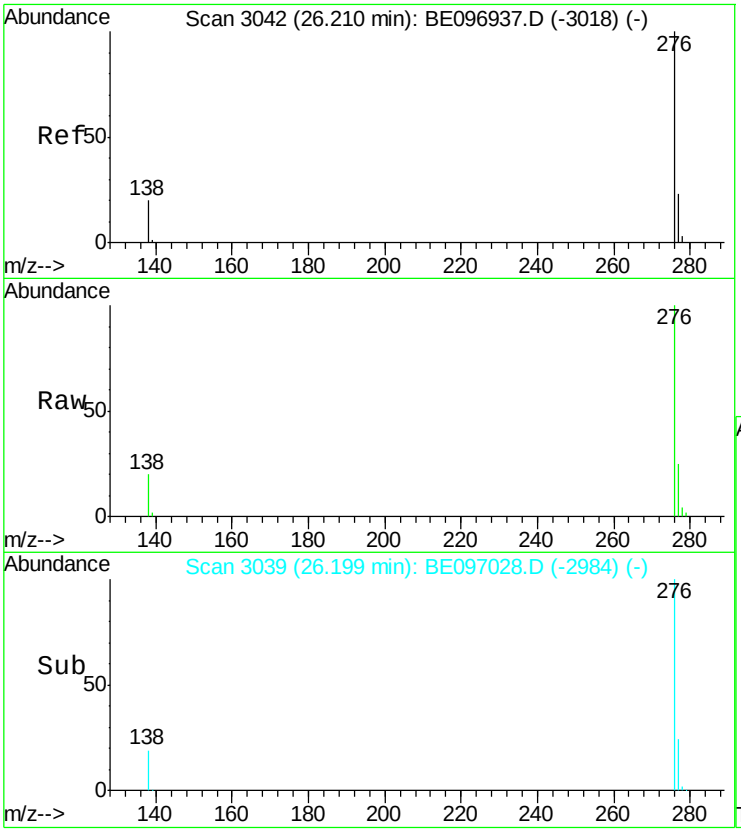


#38
Dibenzo(a,h)anthracene
Concen: 0.474 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Tgt Ion:278 Resp: 12239

Ion	Ratio	Lower	Upper
278	100		
139	16.0	16.0	24.0#
279	24.5	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.433 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097028.D
Acq: 20 Jul 2018 15:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 12358

Ion	Ratio	Lower	Upper
276	100		
277	25.0	16.0	24.0#
138	20.1	20.0	30.0