Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097030.D
Acq On : 23 Jul 2018 10:16
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jul 23 11:12:22 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	1391	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	6344	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3594	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	10428	0.40	ng		0.00
27) Chrysene-d12	20.98	240	9906	0.40	ng		0.00
34) Perylene-d12	23.21	264	8076	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1184	0.36	ng		0.00
5) Phenol-d6	6.60	99	1656	0.33	ng		0.00
8) Nitrobenzene-d5	8.52	82	1897	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	3491	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	298	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5141	0.38	ng		0.00
25) Fluoranthene-d10	18.81	212	39467	0.43	ng		0.00
29) Terphenyl-d14	19.43	244	7391	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	923	0.464	ng	#	88
3) n-Nitrosodimethylamine	3.38	42	939	0.419	ng	#	87
6) bis(2-Chloroethyl)ether	6.84	93	1873	0.376	ng		98
9) Naphthalene	10.20	128	22428	0.395	ng		100
10) Hexachlorobutadiene	10.50	225	1081	0.471	ng		96
12) 2-Methylnaphthalene	11.80	142	3613	0.375	ng		99
16) Acenaphthylene	13.73	152	6189	0.377	ng		100
17) Acenaphthene	14.08	154	3707	0.363	ng	#	91
18) Fluorene	15.08	166	4562	0.398	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	1866	0.378	ng	#	80
21) Hexachlorobenzene	16.08	284	2123	0.388	ng	#	83
22) Pentachlorophenol	16.43	266	502	0.591	ng	#	76
23) Phenanthrene	16.81	178	9595	0.384	ng		98
24) Anthracene	16.91	178	8078	0.372	ng		96
26) Fluoranthene	18.84	202	10825	0.411	ng		98
28) Pyrene	19.20	202	10616	0.363	ng		100
30) Benzo(a)anthracene	20.95	228	8897	0.377	ng		98
31) Chrysene	21.01	228	10112	0.382	ng		98
32) Bis(2-ethylhexyl)phthalate	20.93	149	6269	0.266	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	7742	0.402	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	7018	0.341	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	8771	0.358	ng		96
37) Benzo(a)pyrene	23.11	252	6362	0.372	ng	#	92
38) Dibenzo(a,h)anthracene	25.53	278	6310	0.431	ng	#	95
39) Benzo(g,h,i)perylene	26.20	276	7071	0.422	ng	#	91

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

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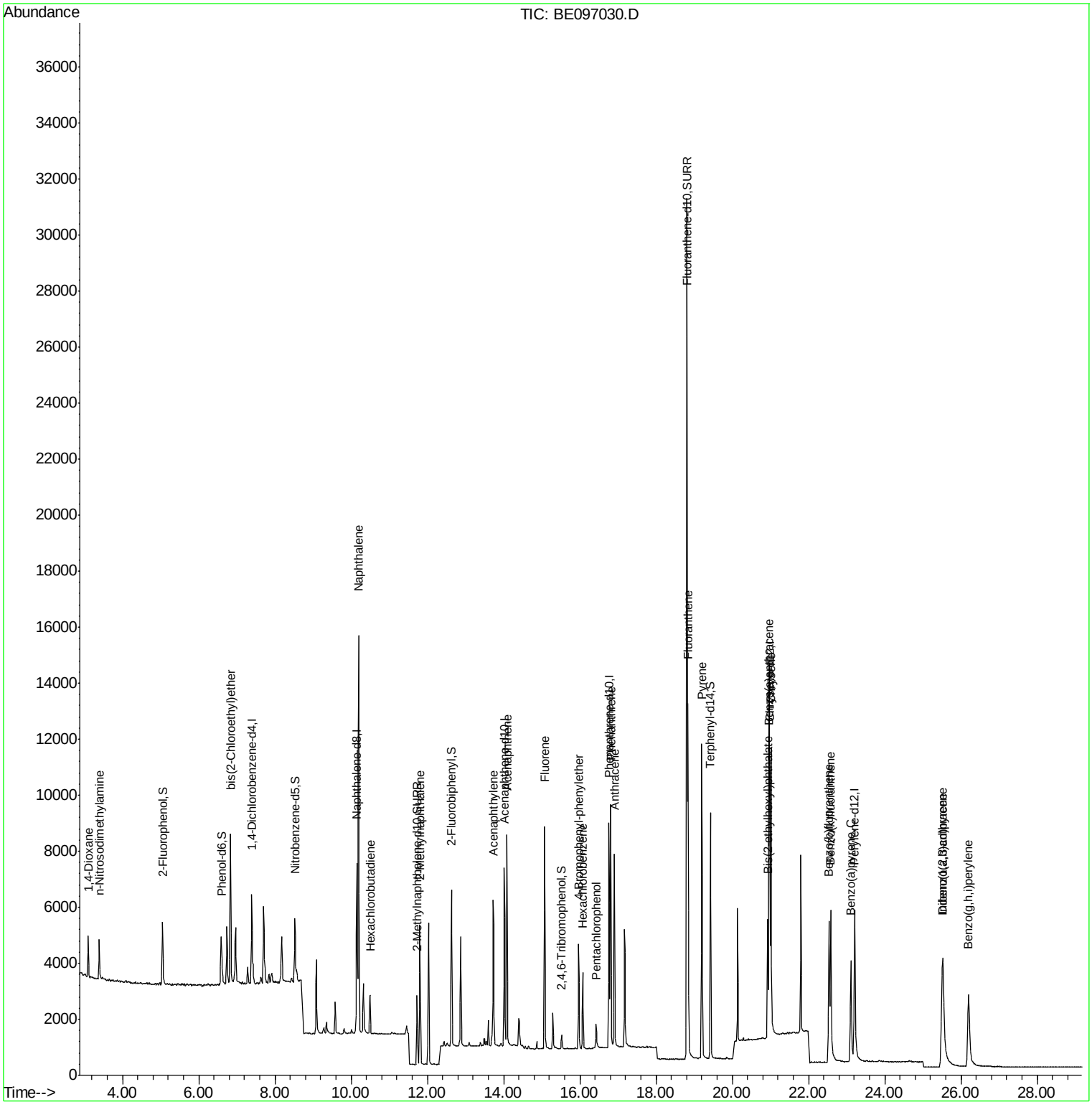
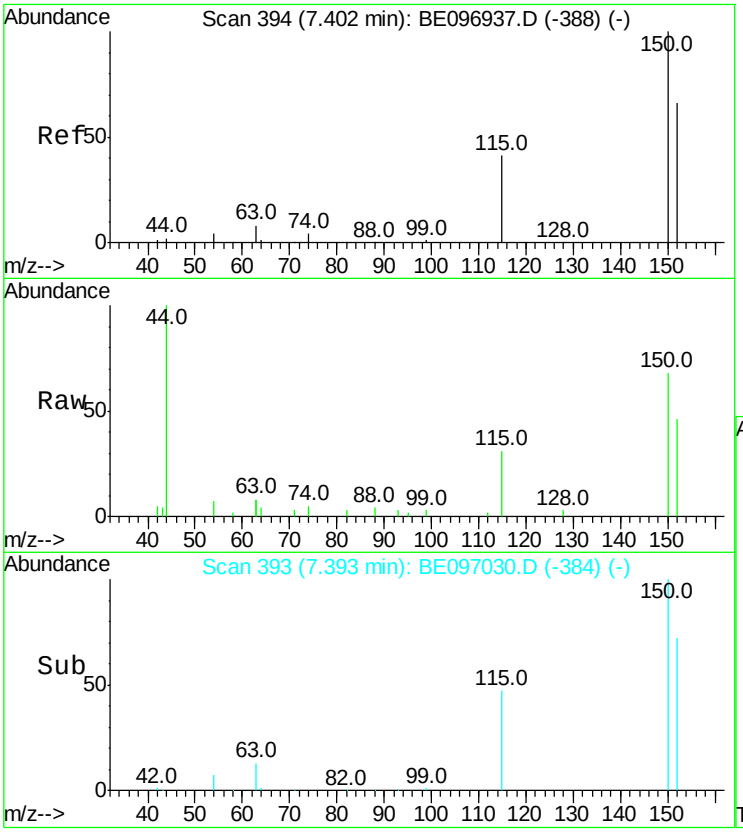
Data File : BE097030.D
Acq On : 23 Jul 2018 10:16
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 23 11:12:22 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



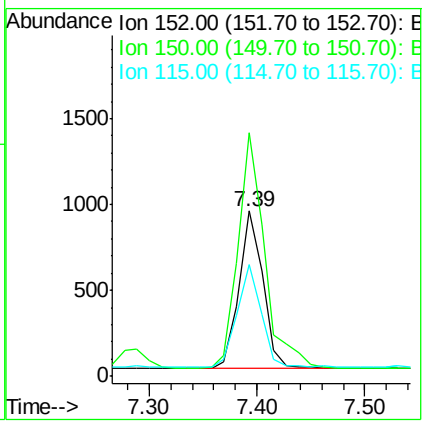


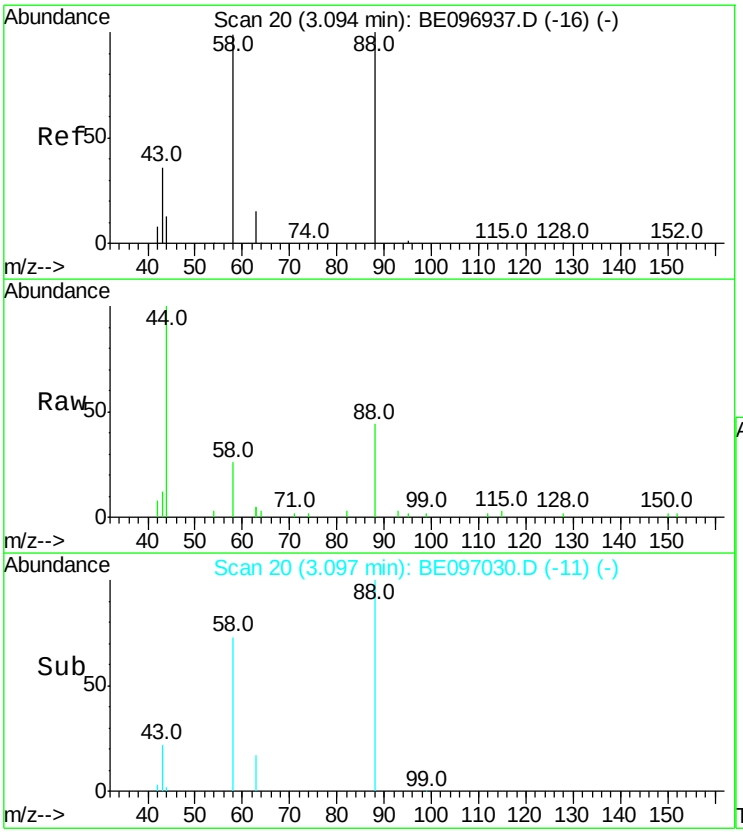
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1391

Ion	Ratio	Lower	Upper
152	100		
150	147.5	117.2	175.8
115	67.7	57.0	85.6

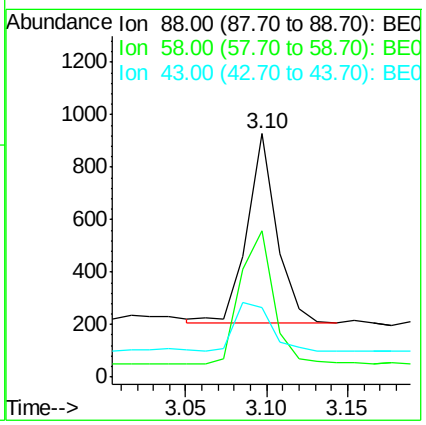


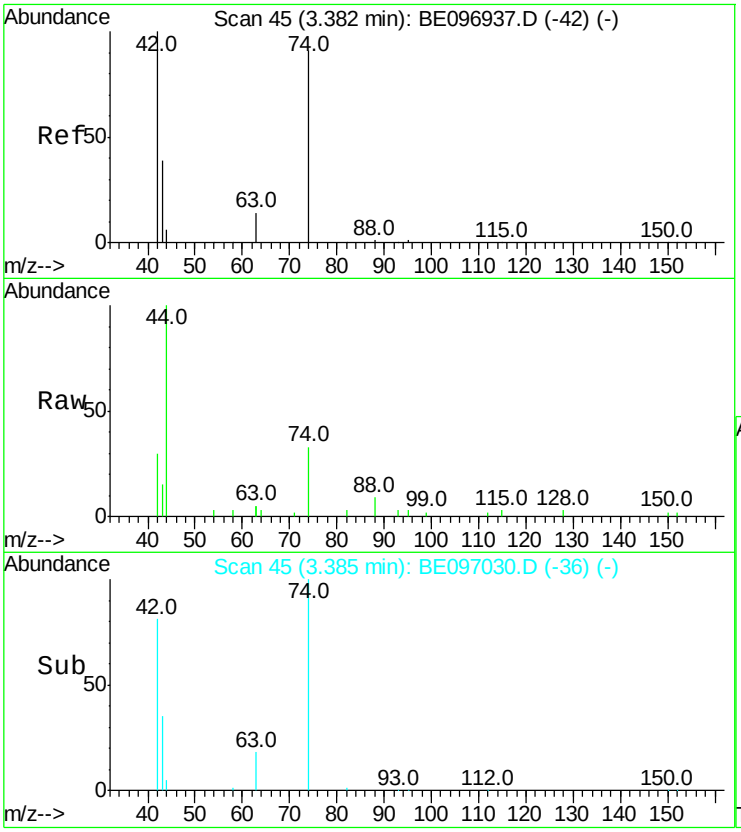


#2
1,4-Dioxane
Concen: 0.464 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion: 88 Resp: 923

Ion	Ratio	Lower	Upper
88	100		
58	79.4	63.2	94.8
43	31.0	41.2	61.8#



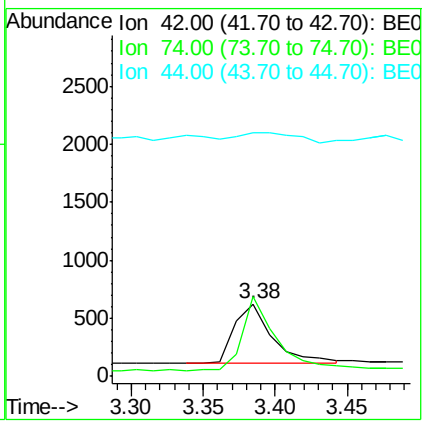


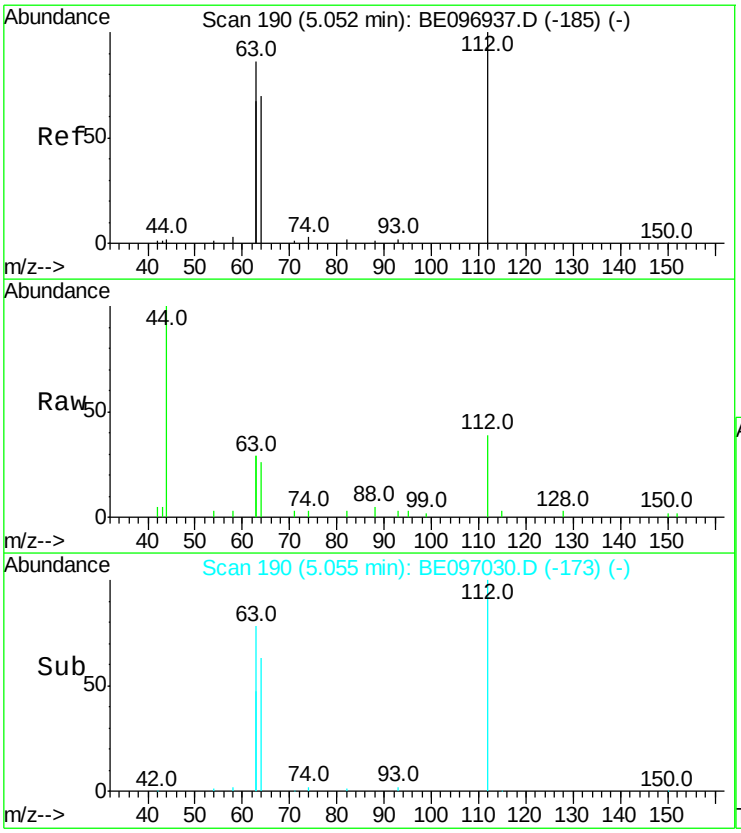
#3
n-Nitrosodimethylamine
Concen: 0.419 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 939

Ion	Ratio	Lower	Upper
42	100		
74	107.5	96.0	144.0
44	25.1	12.0	18.0#

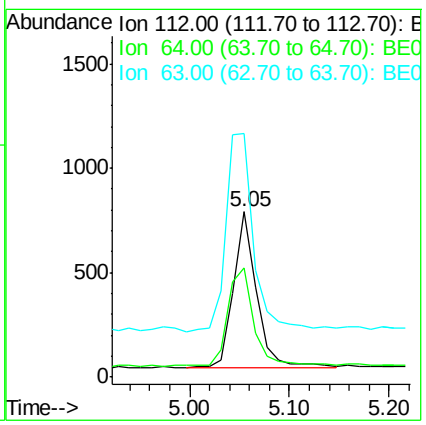


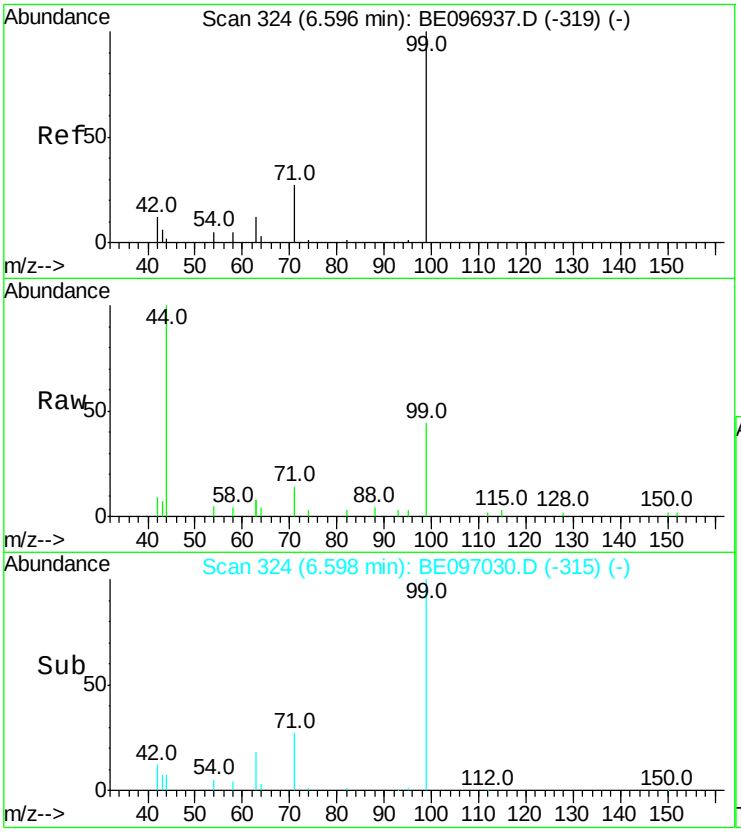


#4
2-Fluorophenol
Concen: 0.356 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:112 Resp: 1184

Ion	Ratio	Lower	Upper
112	100		
64	72.7	60.1	90.1
63	155.7	116.8	175.2



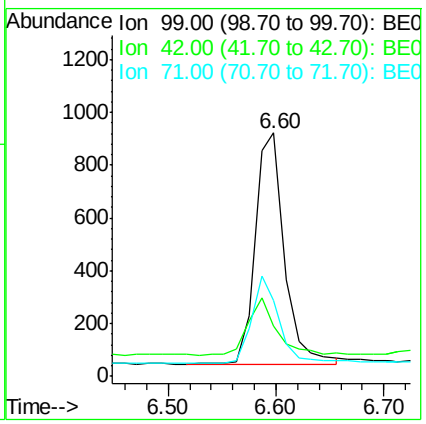


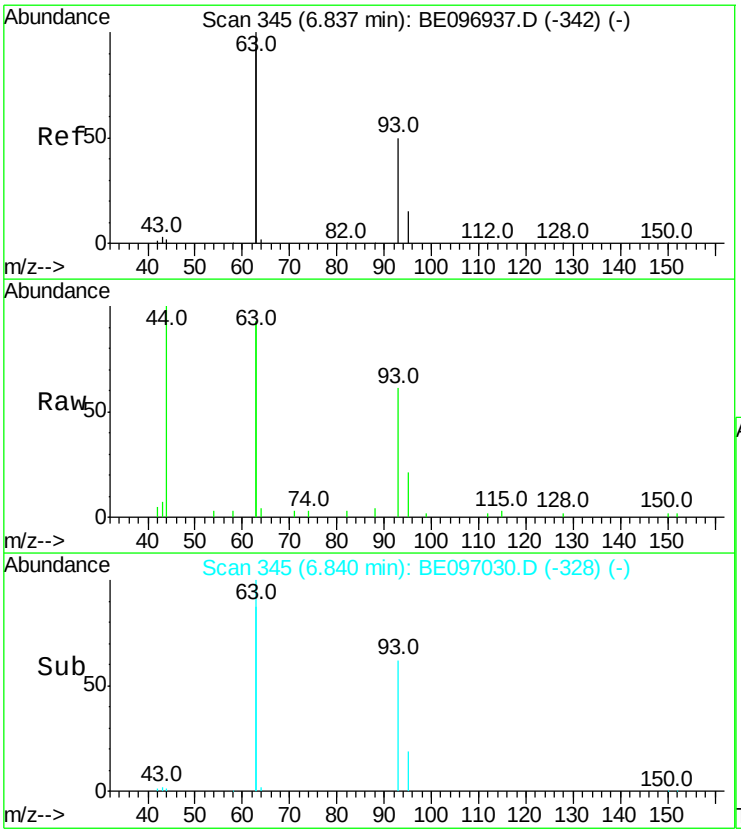
#5
Phenol-d6
Concen: 0.326 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1656

Ion	Ratio	Lower	Upper
99	100		
42	24.3	20.2	30.2
71	35.3	28.4	42.6

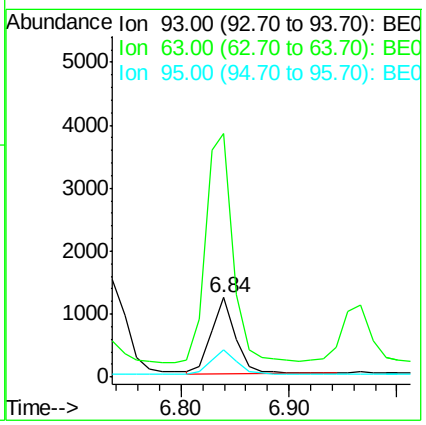


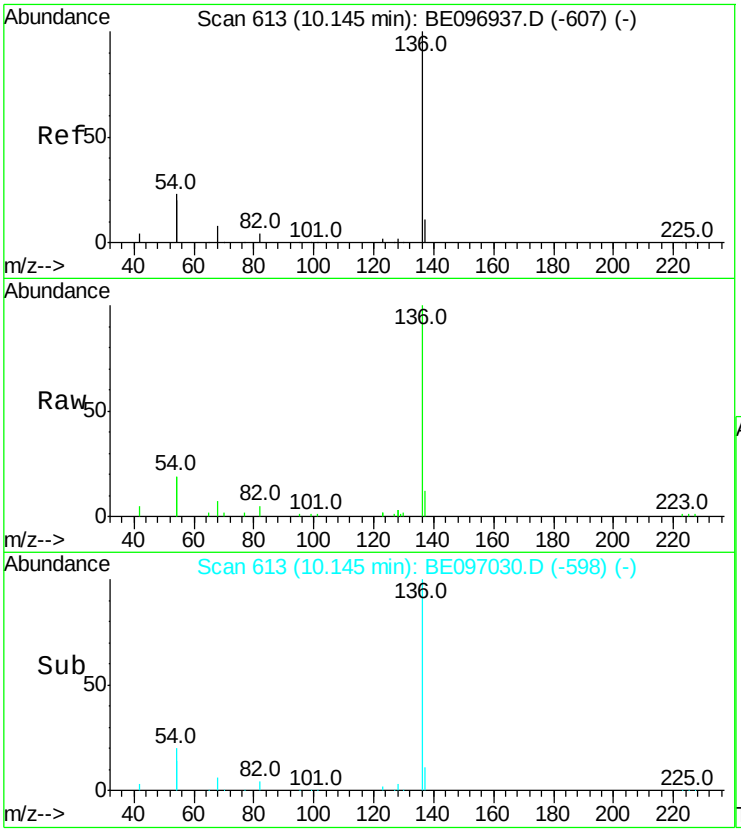


#6
bis(2-Chloroethyl)ether
Concen: 0.376 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion: 93 Resp: 1873

Ion	Ratio	Lower	Upper
93	100		
63	339.9	275.3	412.9
95	33.4	25.2	37.8



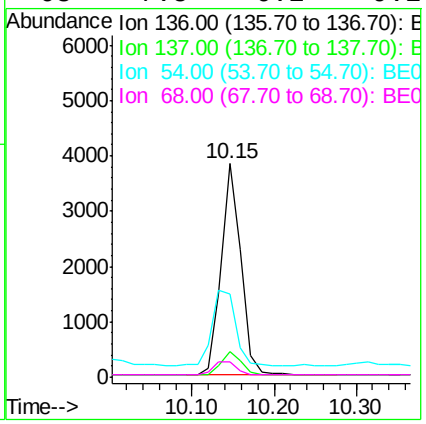


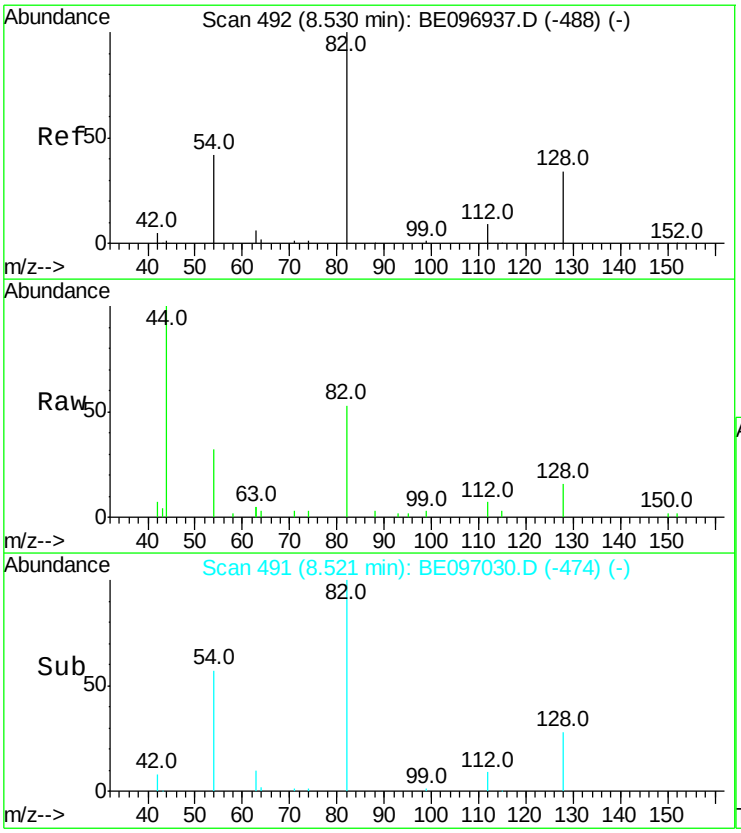
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6344

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	38.9	29.1	43.7
68	7.5	6.2	9.2

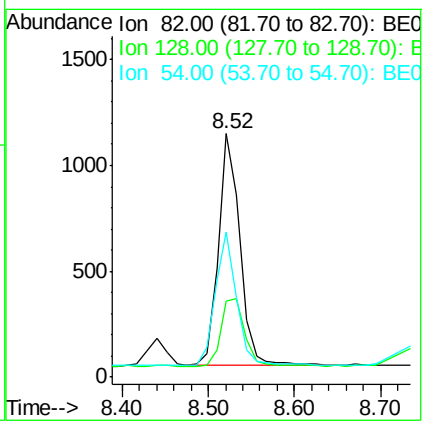


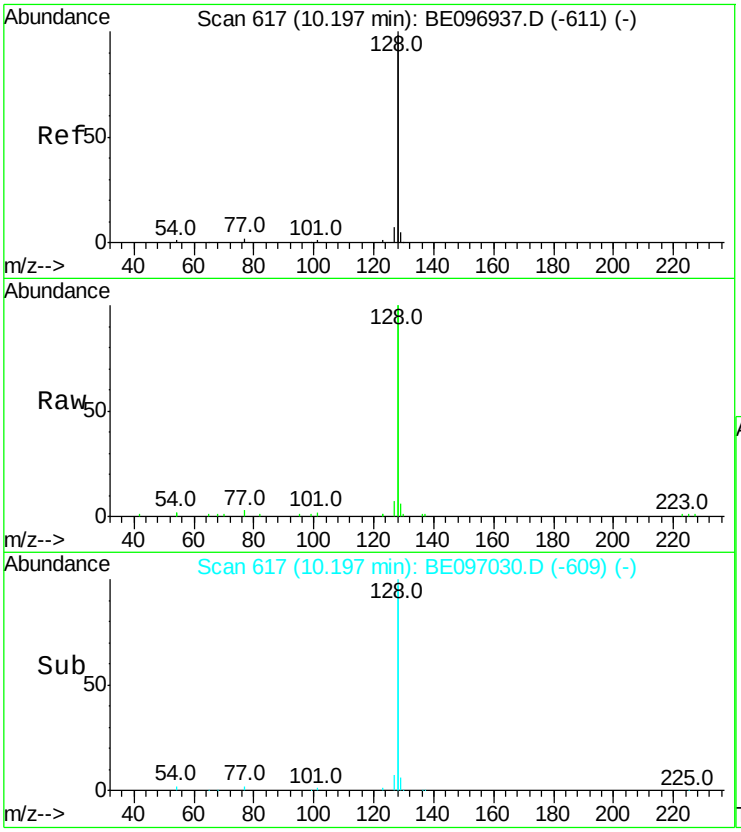


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion: 82 Resp: 1897

Ion	Ratio	Lower	Upper
82	100		
128	31.1	24.0	36.0
54	59.7	40.0	60.0



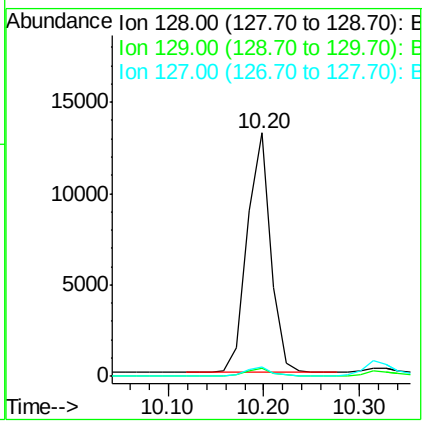


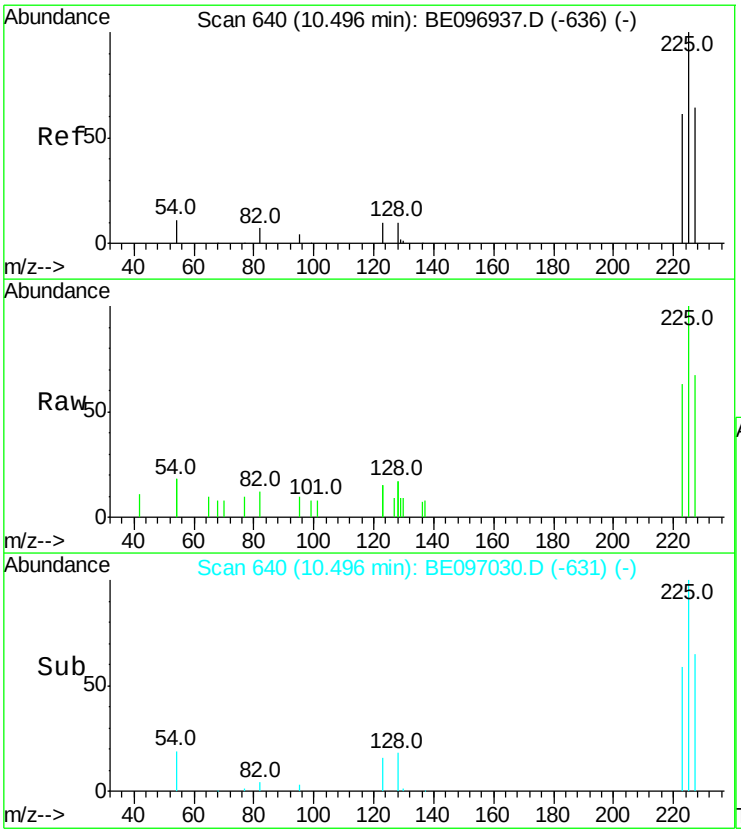
#9
Naphthalene
Concen: 0.395 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 22428

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.6	2.8	4.2

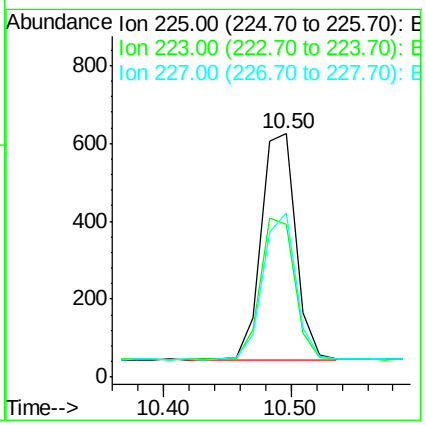


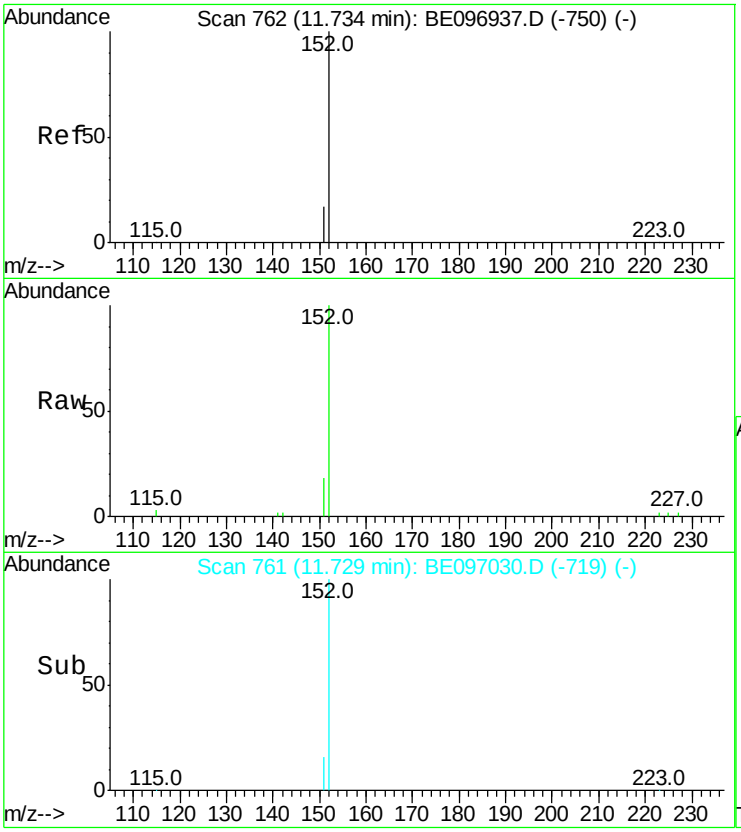


#10
Hexachlorobutadiene
Concen: 0.471 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.01 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:225 Resp: 1081

Ion	Ratio	Lower	Upper
225	100		
223	62.1	53.0	79.6
227	62.7	51.4	77.2



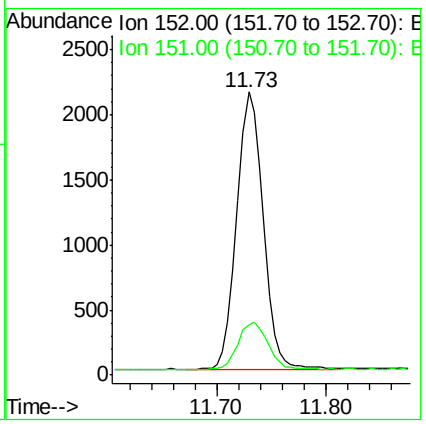


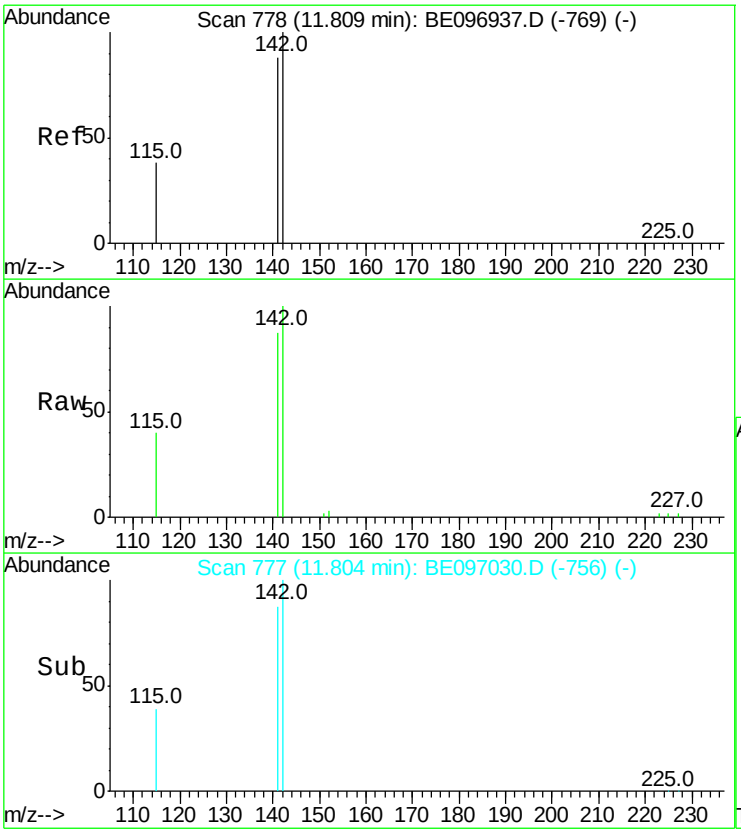
#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3491

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

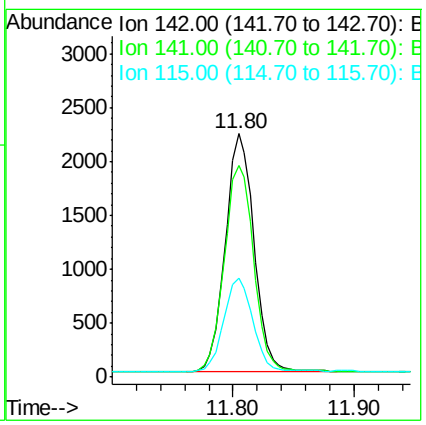


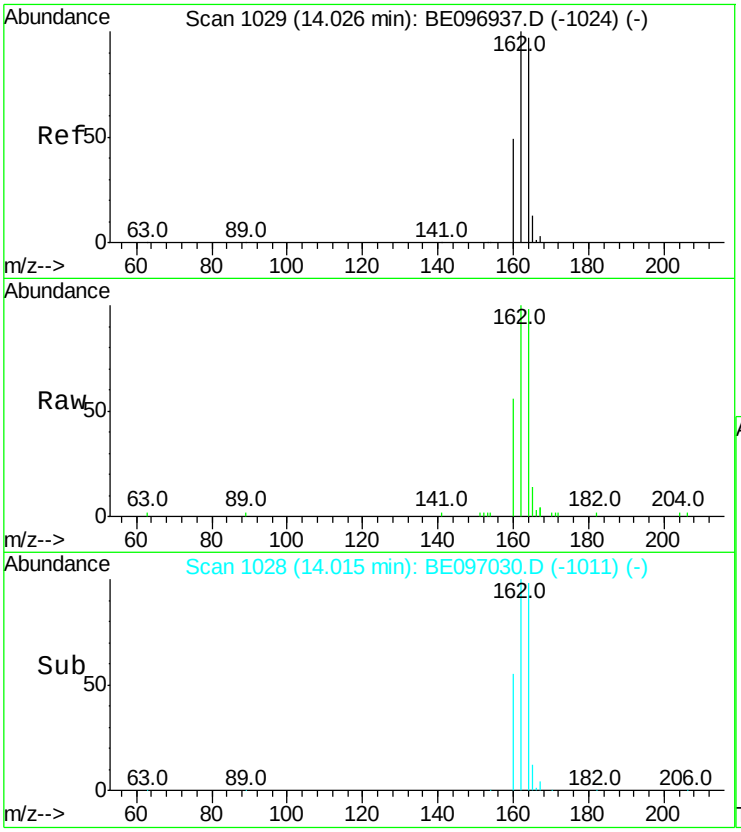


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:142 Resp: 3613

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	40.4	31.7	47.5



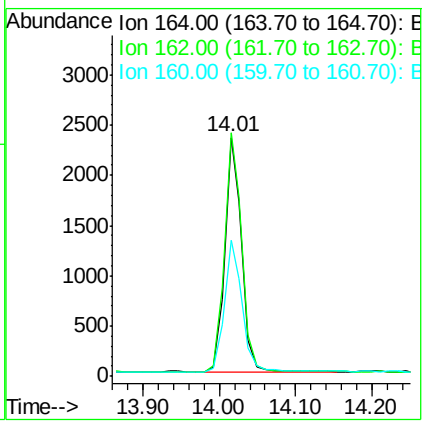


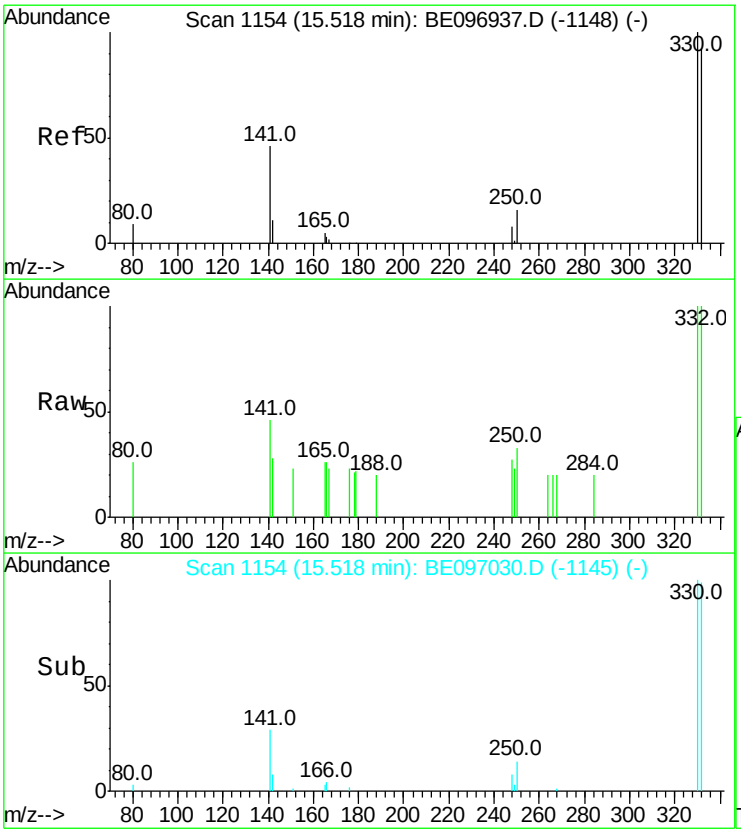
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3594

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.1	124.7
160	56.8	37.1	55.7#

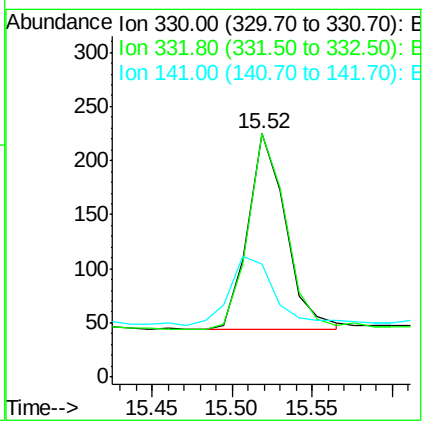


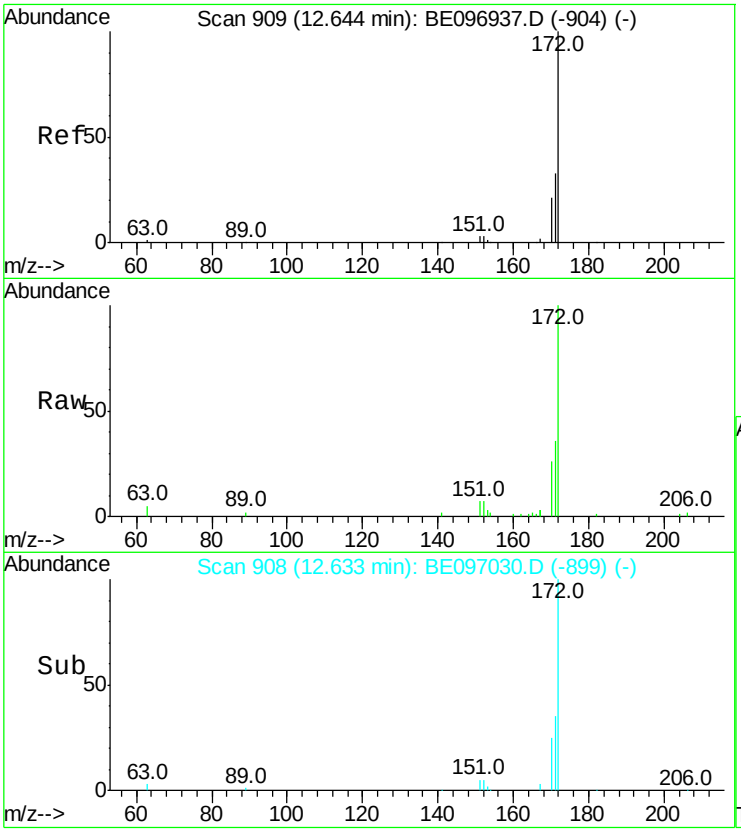


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:330 Resp: 298

Ion	Ratio	Lower	Upper
330	100		
332	99.7	152.7	229.1#
141	38.6	33.7	50.5



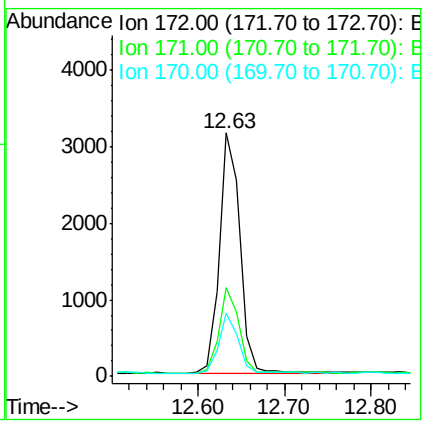


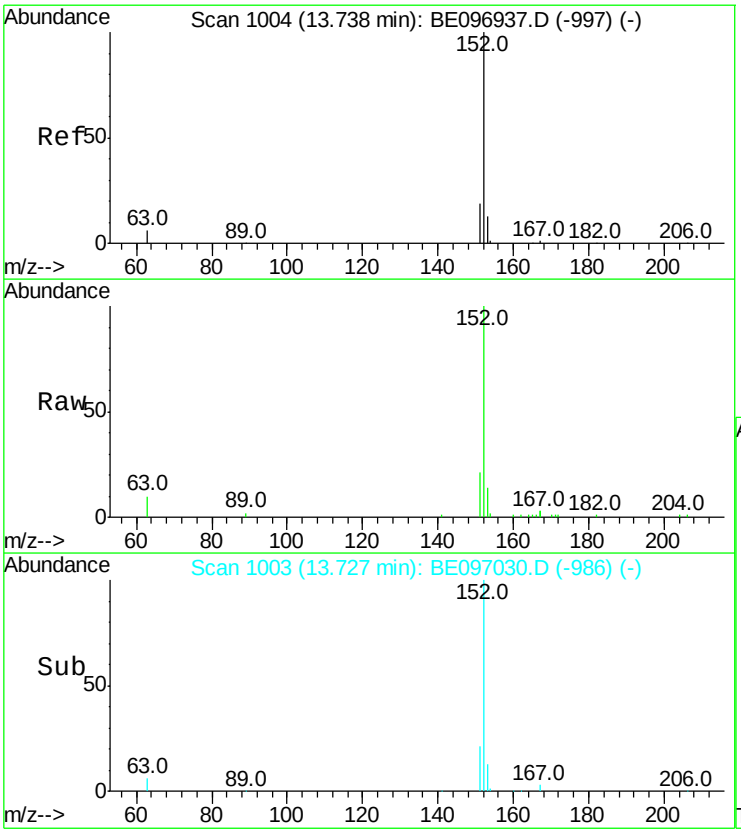
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5141

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	25.9	21.8	32.8

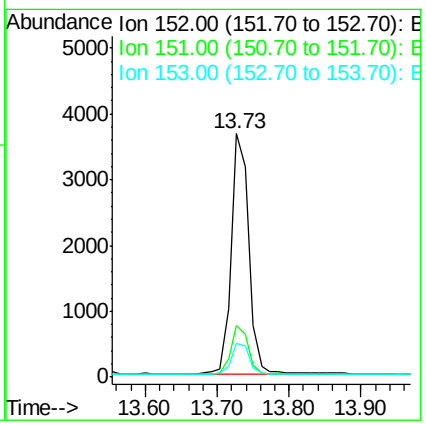


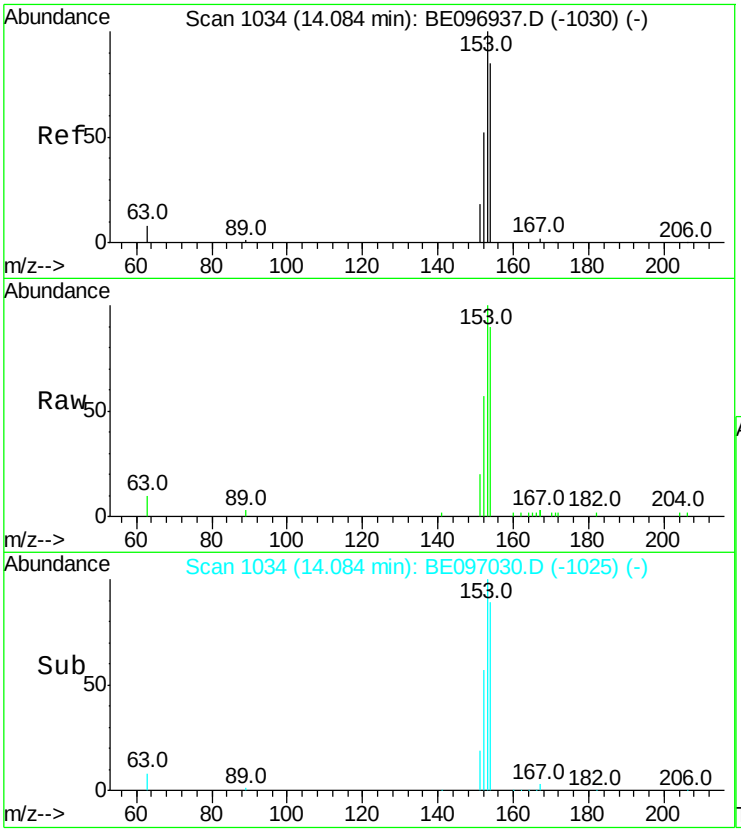


#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:152 Resp: 6189

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.8	10.5	15.7



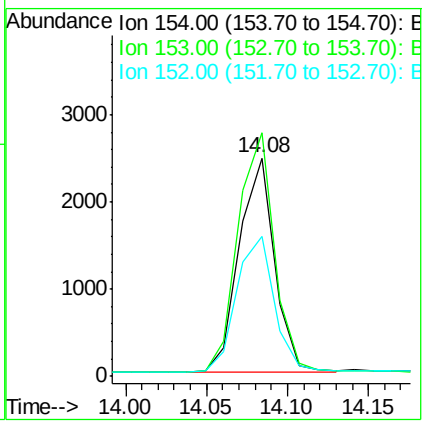


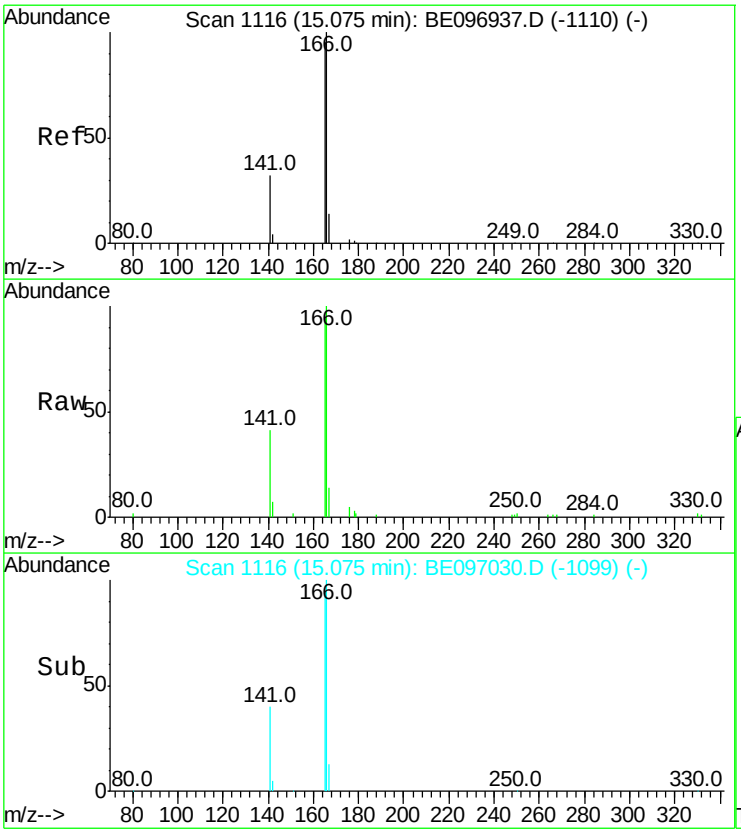
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3707

Ion	Ratio	Lower	Upper
154	100		
153	115.0	89.2	133.8
152	67.9	42.0	63.0#

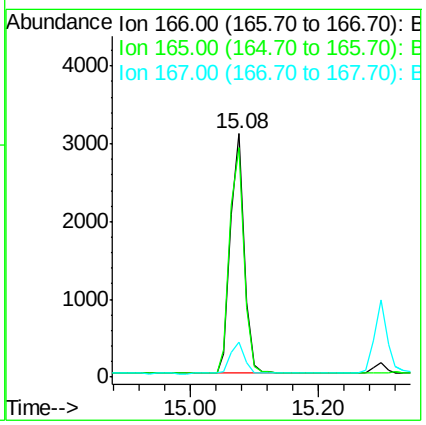


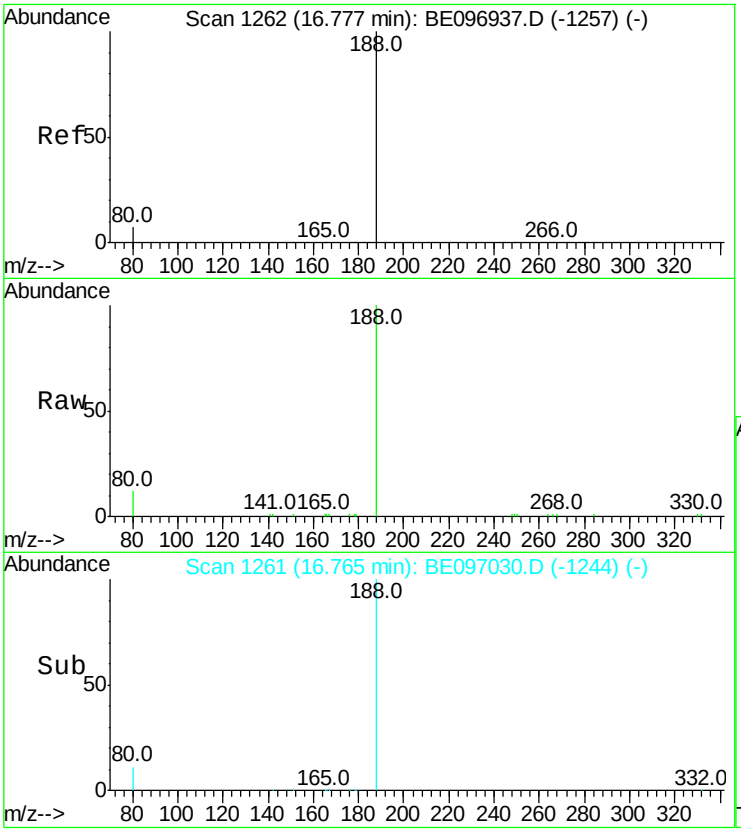


#18
Fluorene
Concen: 0.398 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:166 Resp: 4562

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	13.5	42.4	63.6#



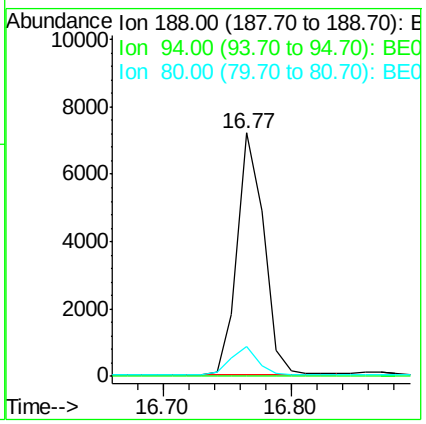


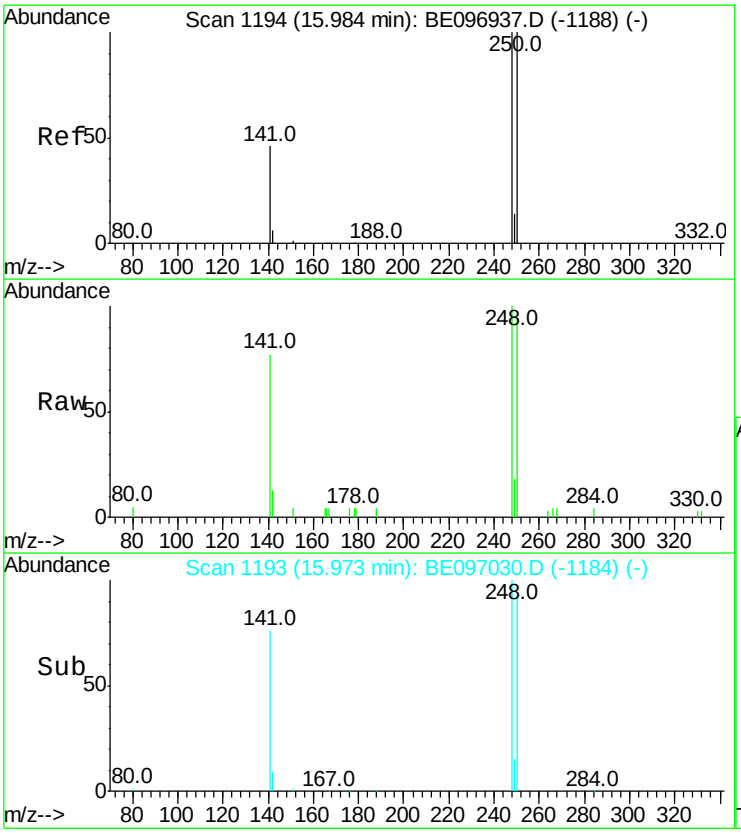
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 10428

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.2	3.6	5.4#

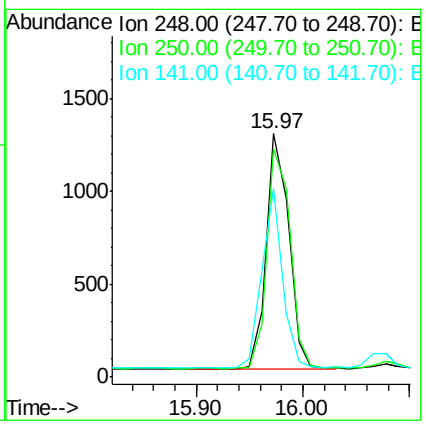


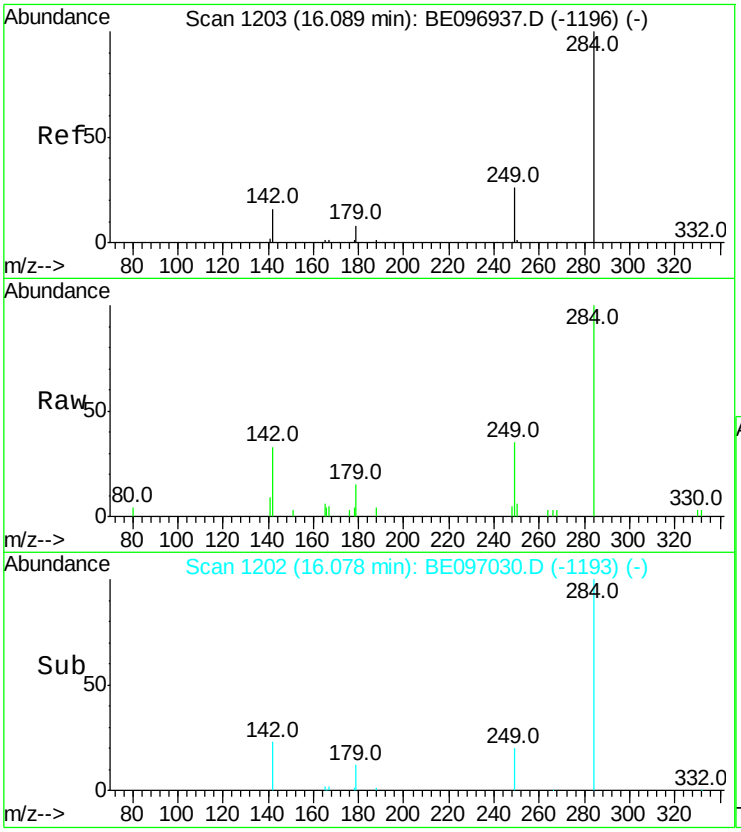


#20
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:248 Resp: 1866

Ion	Ratio	Lower	Upper
248	100		
250	93.6	62.7	94.1
141	77.4	48.2	72.2#



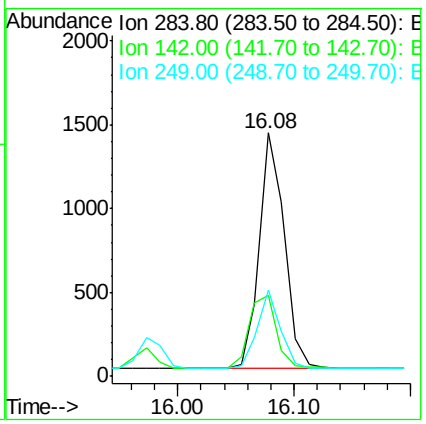


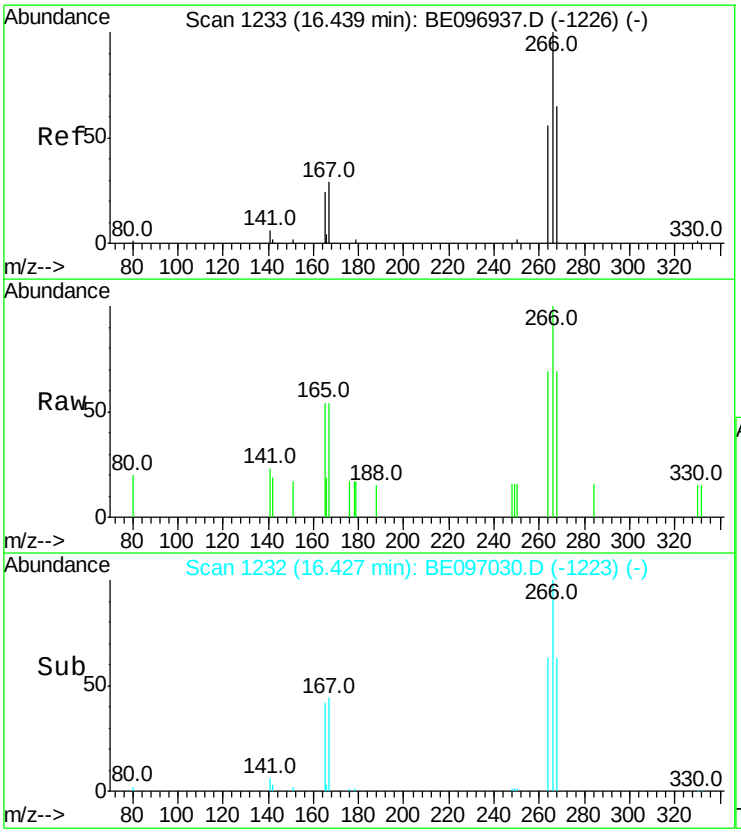
#21
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2123

Ion	Ratio	Lower	Upper
284	100		
142	34.0	22.1	33.1#
249	30.4	34.8	52.2#

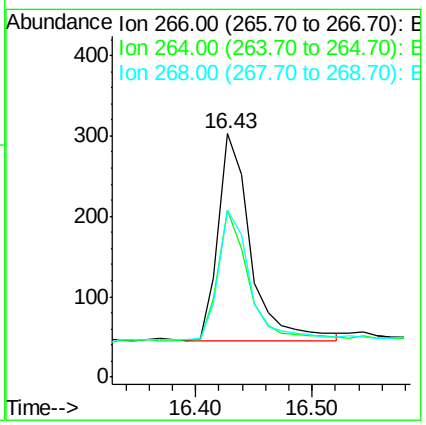


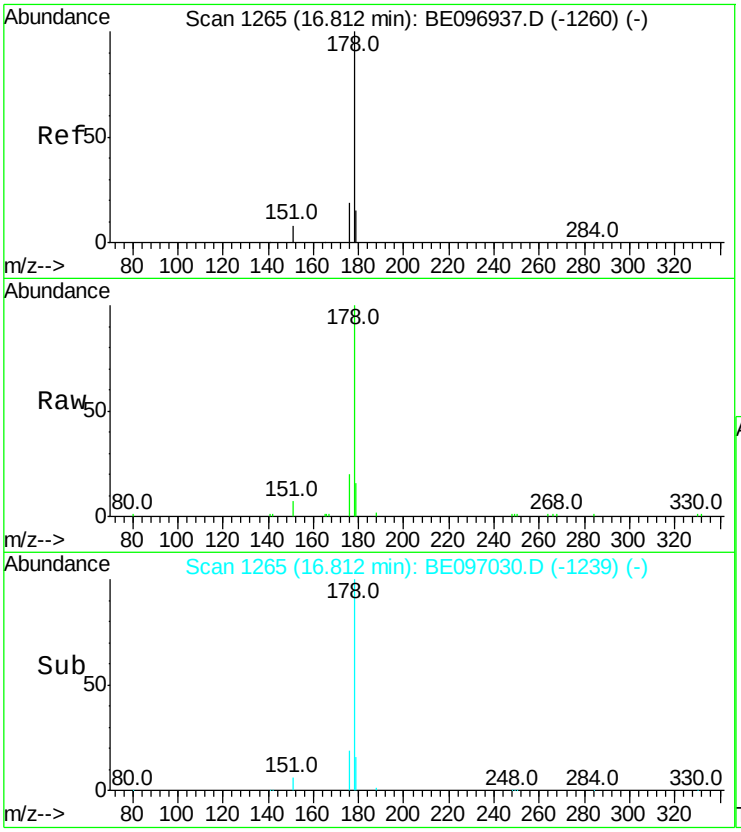


#22
Pentachlorophenol
Concen: 0.591 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:266 Resp: 502

Ion	Ratio	Lower	Upper
266	100		
264	68.6	72.5	108.7#
268	68.6	73.8	110.6#



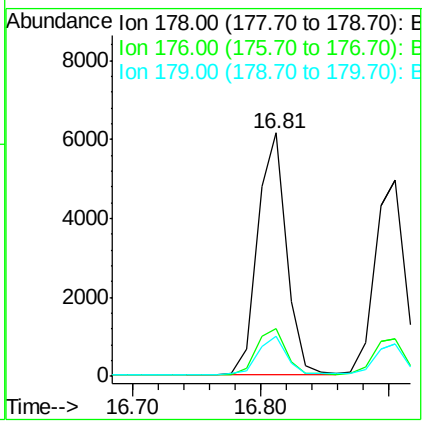


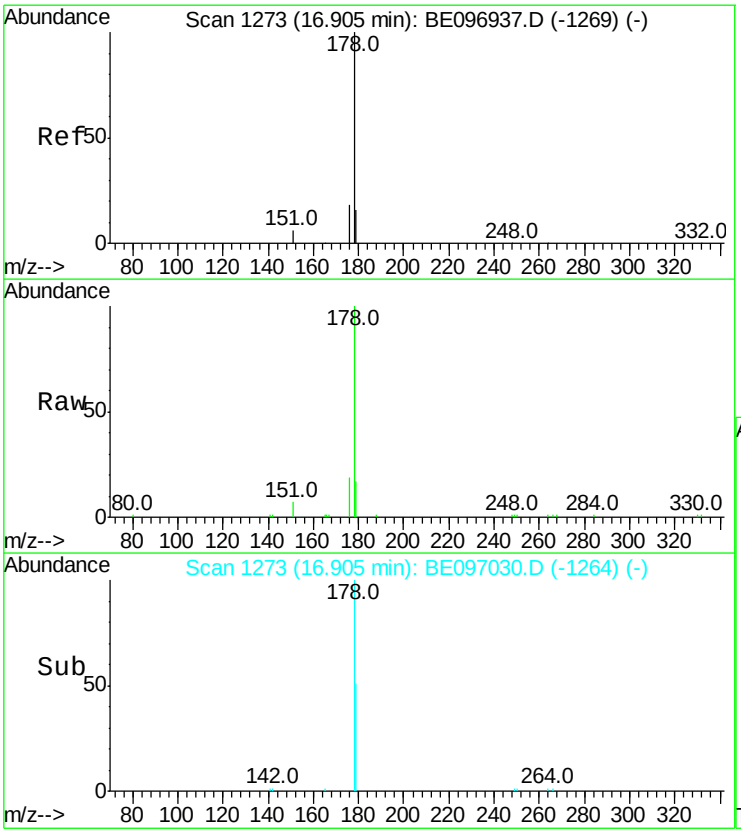
#23
Phenanthrene
Concen: 0.384 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 9595

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.4	11.8	17.6

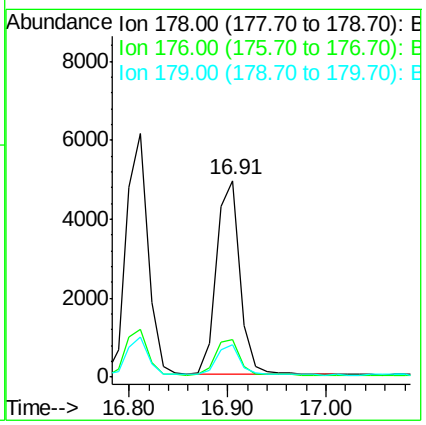


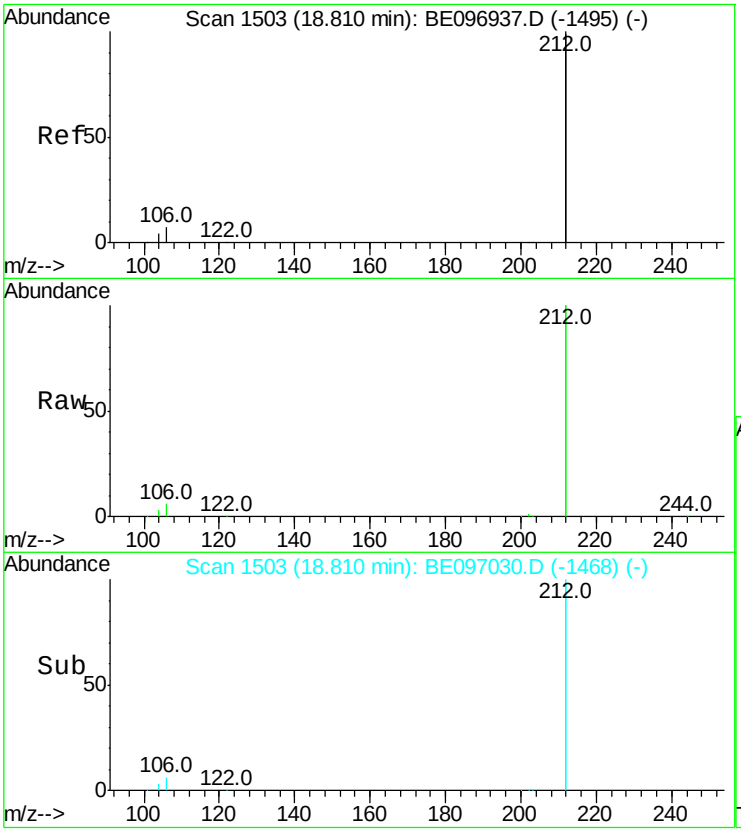


#24
Anthracene
Concen: 0.372 ng
RT: 16.91 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:178 Resp: 8078

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



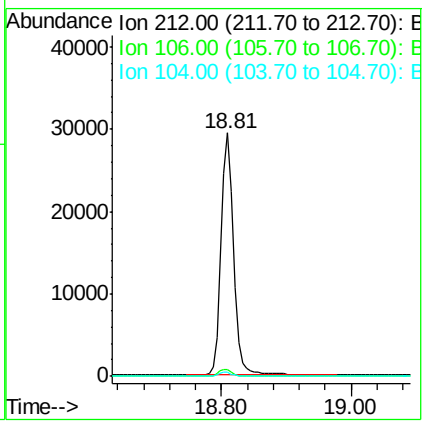


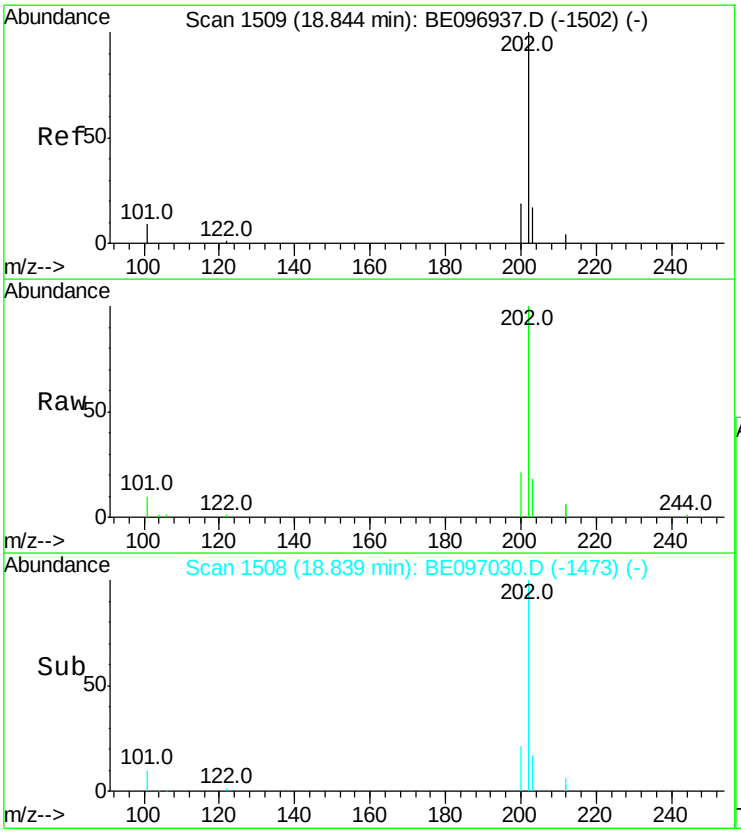
#25
Fluoranthene-d10
Concen: 0.435 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 39467

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

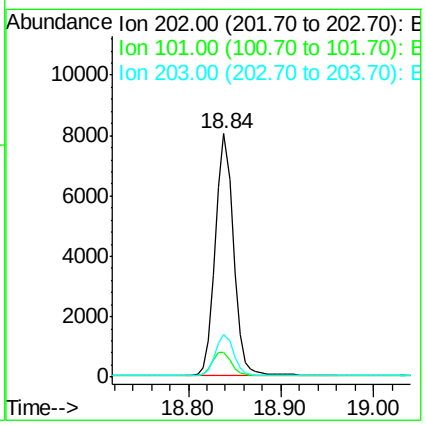


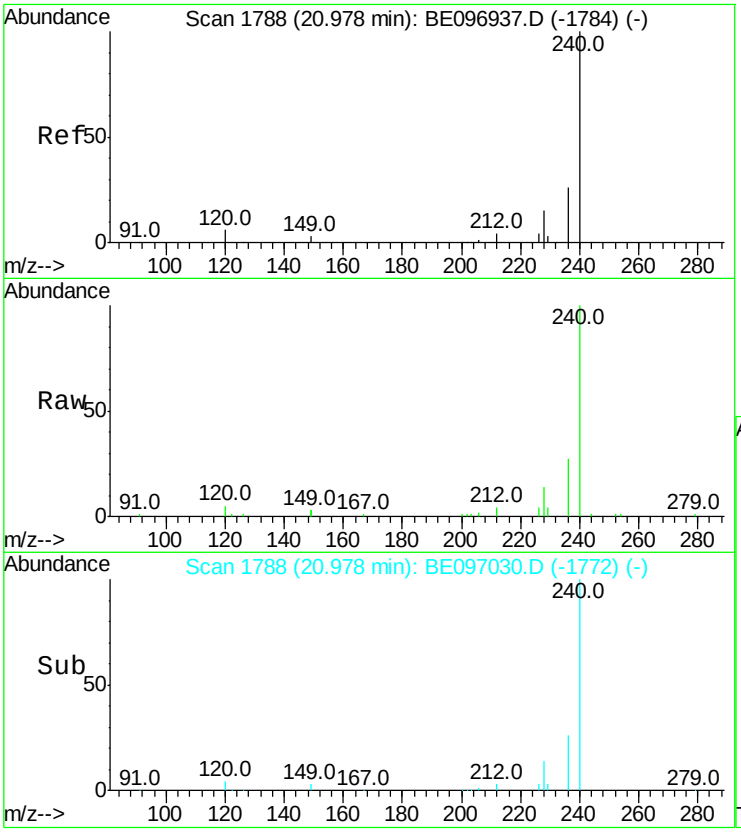


#26
Fluoranthene
Concen: 0.411 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:202 Resp: 10825

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.2	13.7	20.5



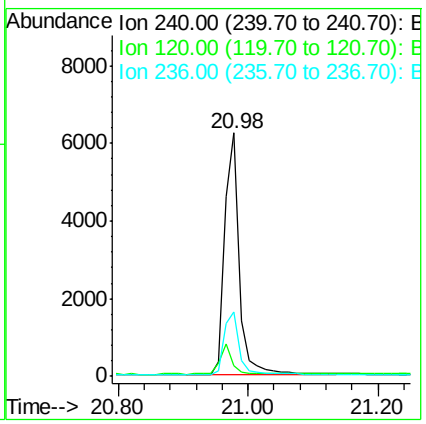


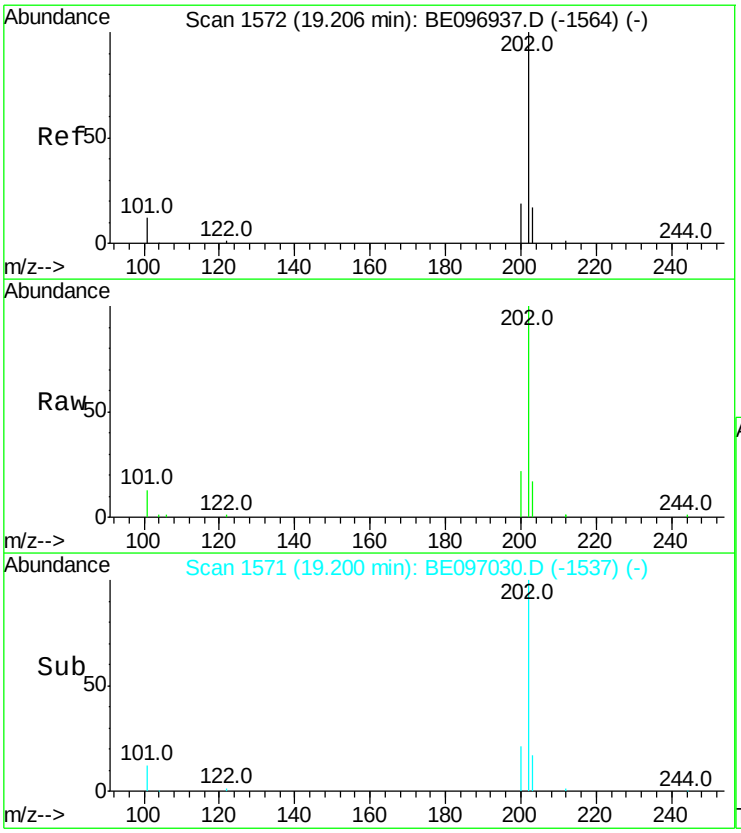
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9906

Ion	Ratio	Lower	Upper
240	100		
120	4.5	5.5	8.3#
236	26.6	20.7	31.1

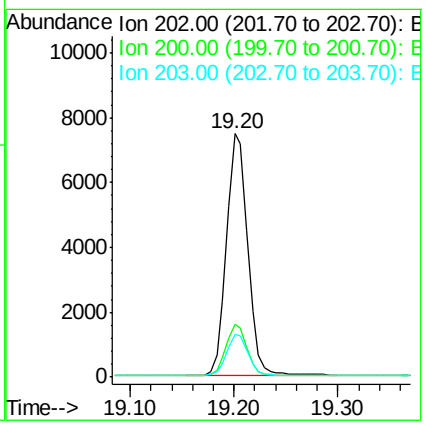


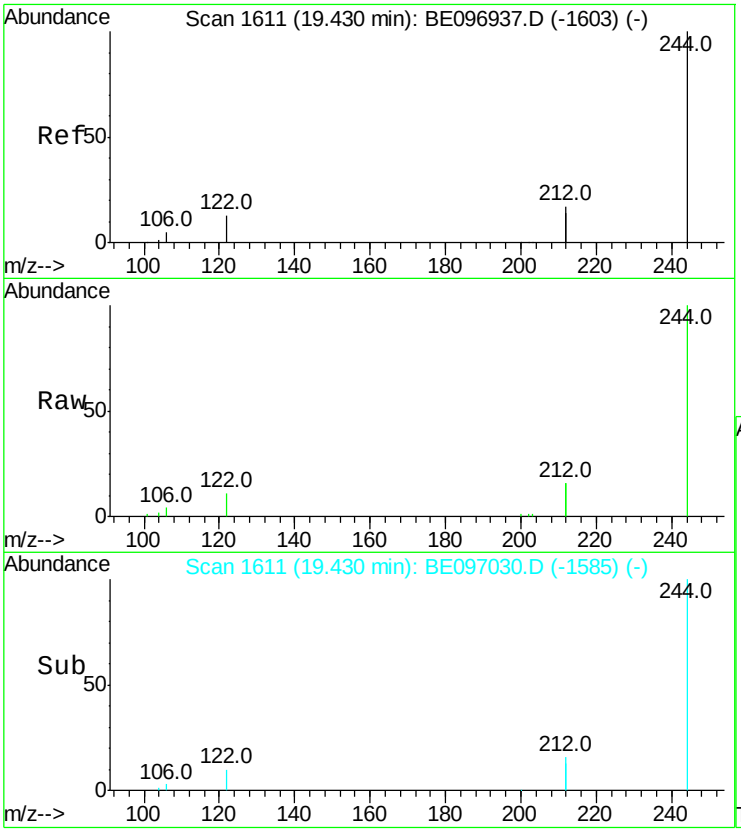


#28
Pyrene
Concen: 0.363 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:202 Resp: 10616

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.5	13.8	20.8



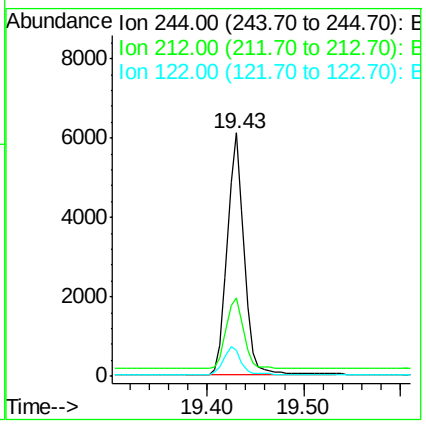


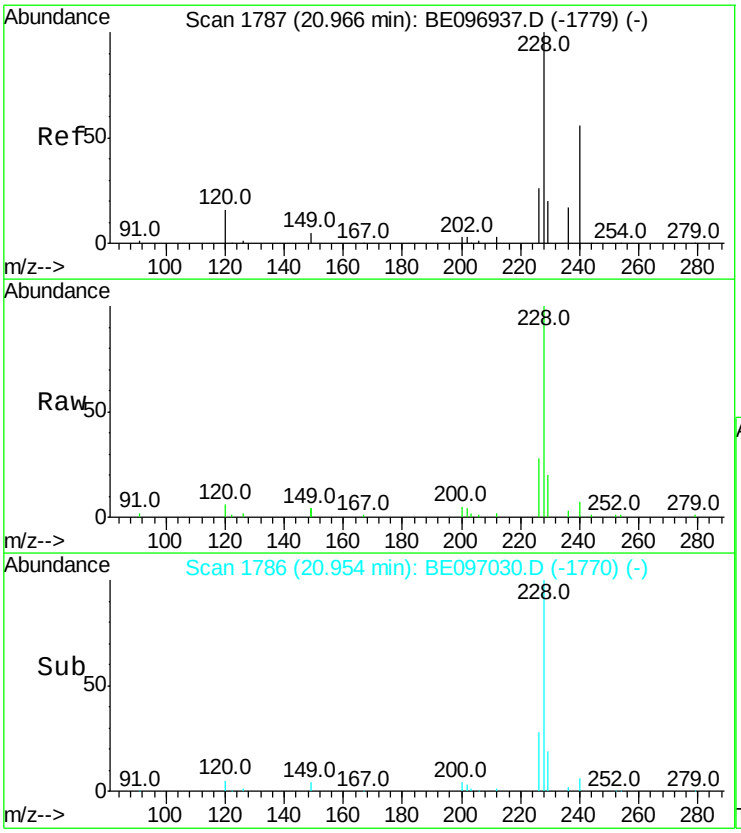
#29
Terphenyl-d14
Concen: 0.387 ng
RT: 19.43 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7391

Ion	Ratio	Lower	Upper
244	100		
212	32.5	25.4	38.0
122	10.7	8.1	12.1

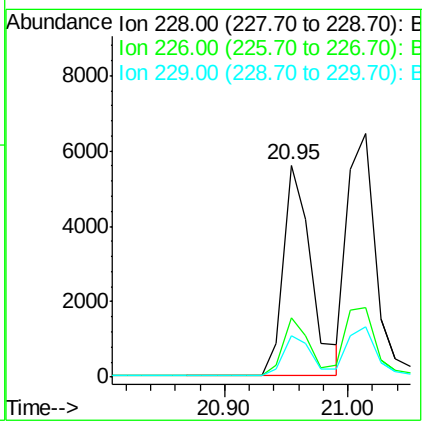


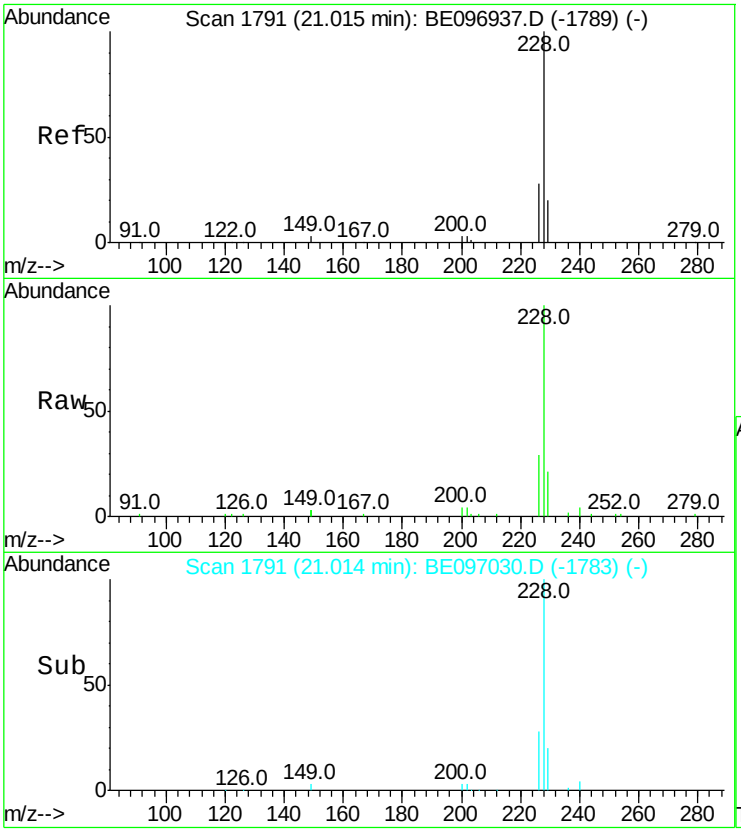


#30
Benzo(a)anthracene
Concen: 0.377 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:228 Resp: 8897

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.0	36.0
229	19.5	16.0	24.0



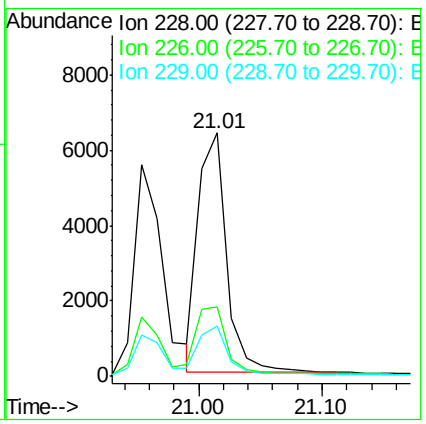


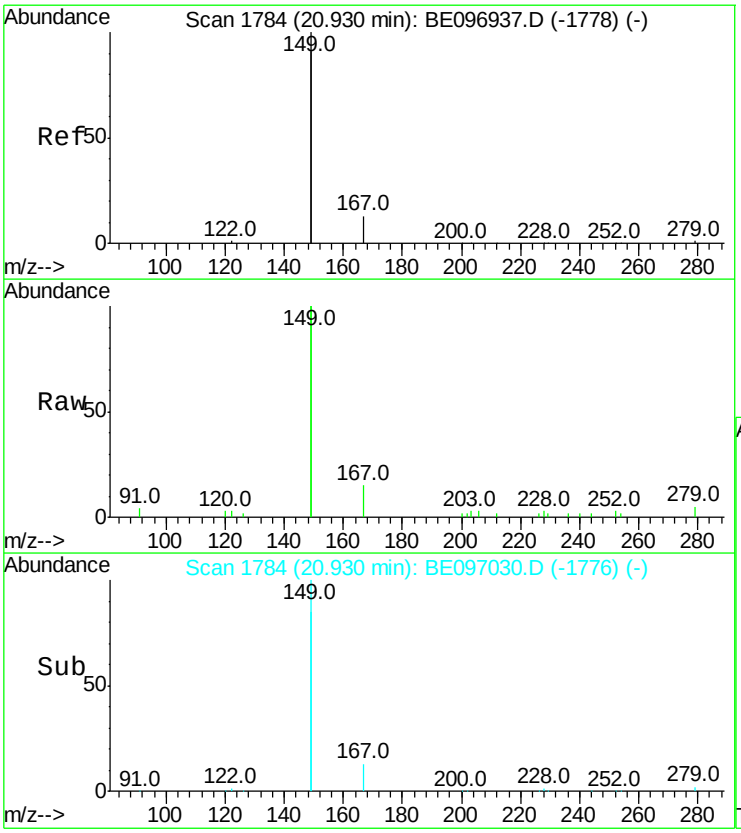
#31
Chrysene
Concen: 0.382 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 10112

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	20.5	16.0	24.0

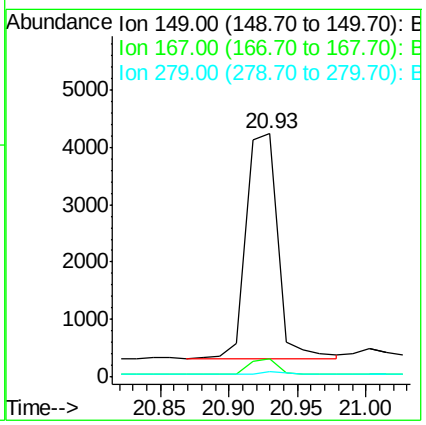


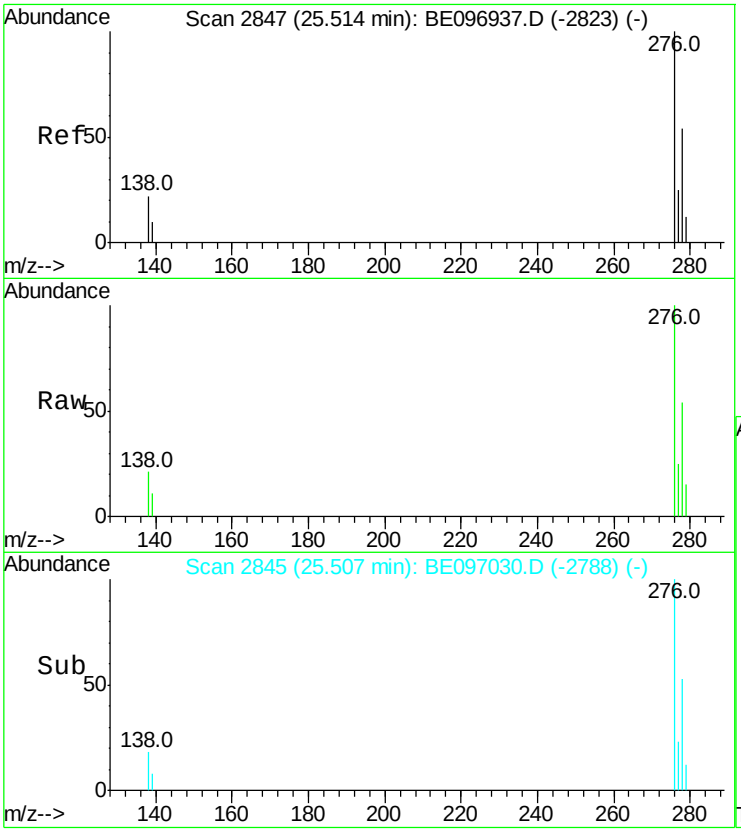


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.266 ng
RT: 20.93 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:149 Resp: 6269

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



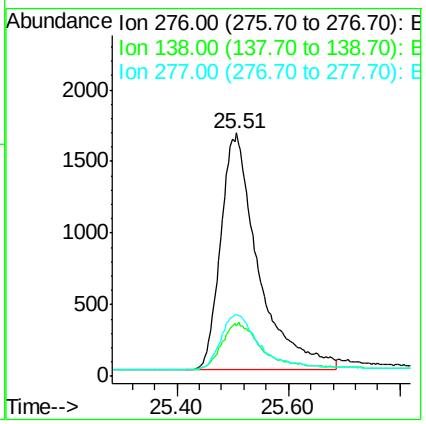


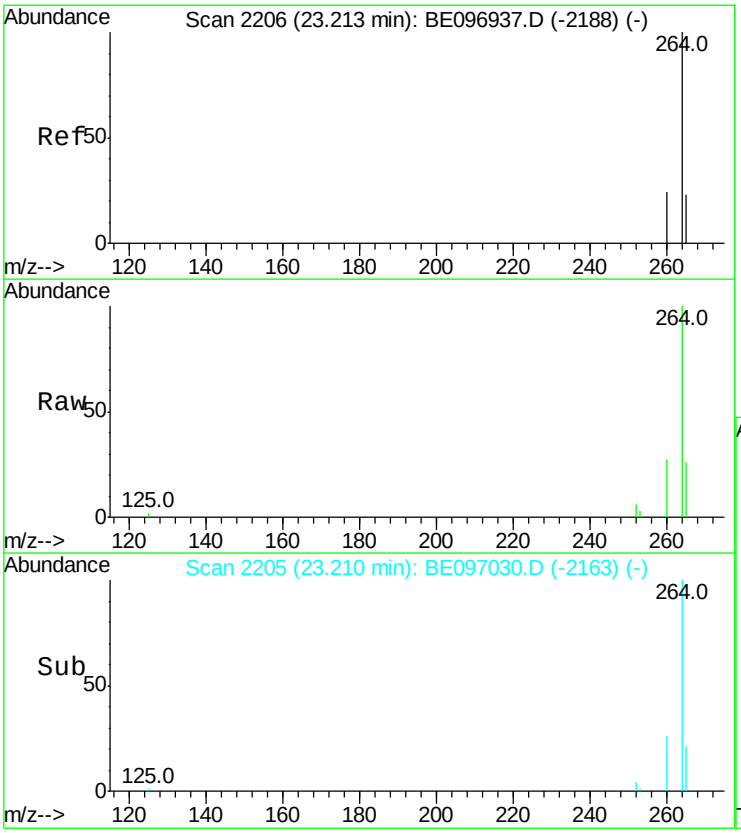
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.51 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7742

Ion	Ratio	Lower	Upper
276	100		
138	20.3	22.5	33.7#
277	24.6	19.9	29.9

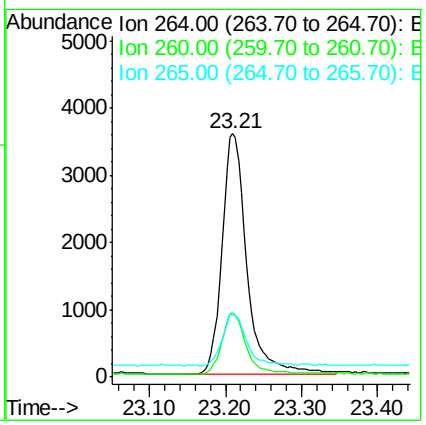


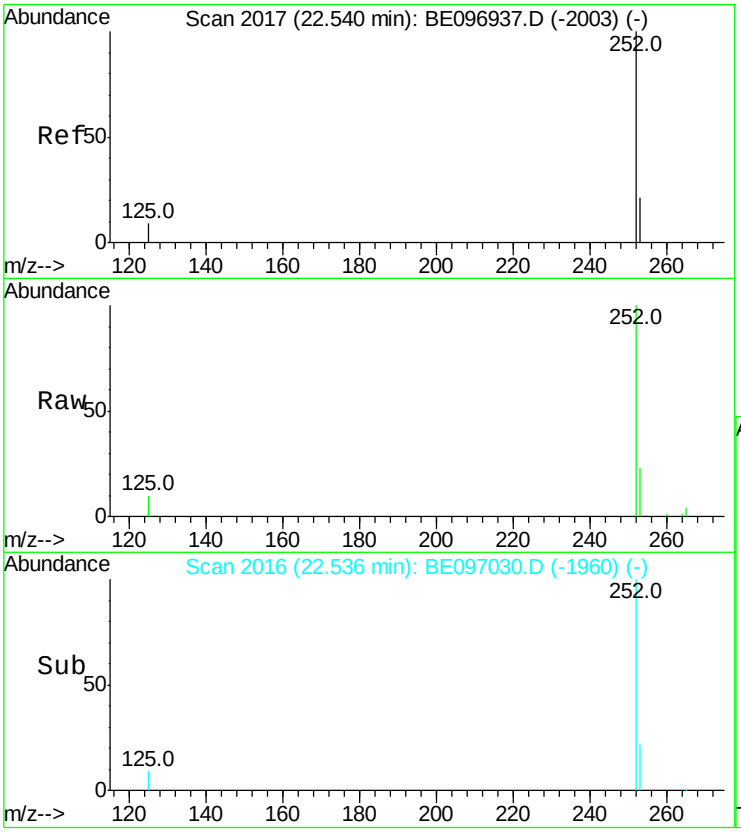


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:264 Resp: 8076

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.5	30.7
265	25.5	22.8	34.2



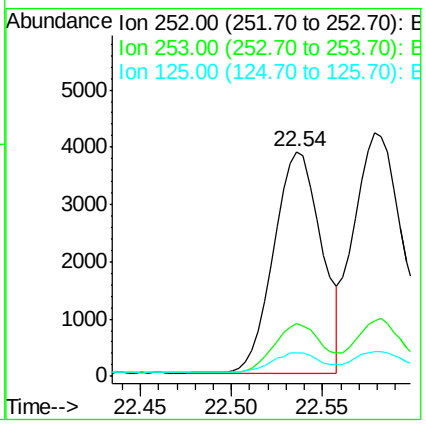


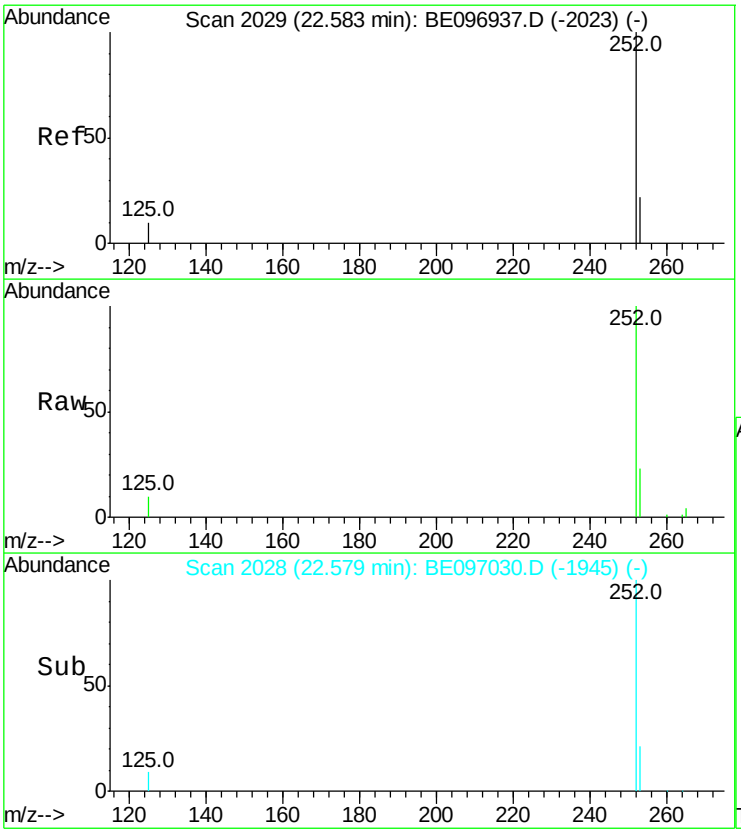
#35
Benzo(b)fluoranthene
Concen: 0.341 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7018

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.0	30.0
125	10.5	16.0	24.0#

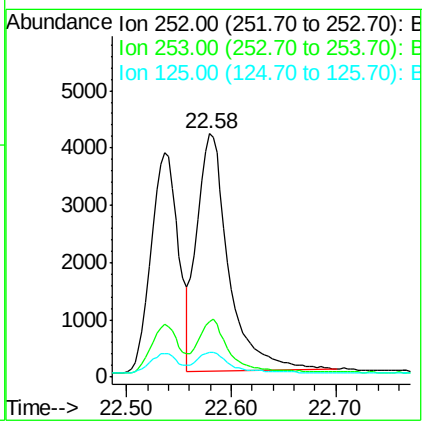


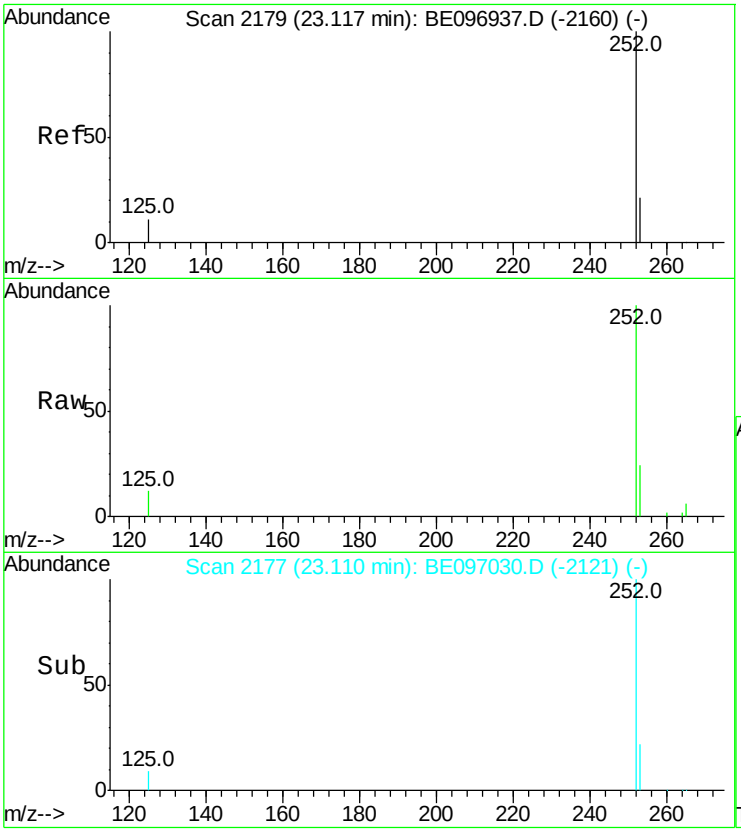


#36
Benzo(k)fluoranthene
Concen: 0.358 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:252 Resp: 8771

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.0	24.0
125	10.3	8.0	12.0



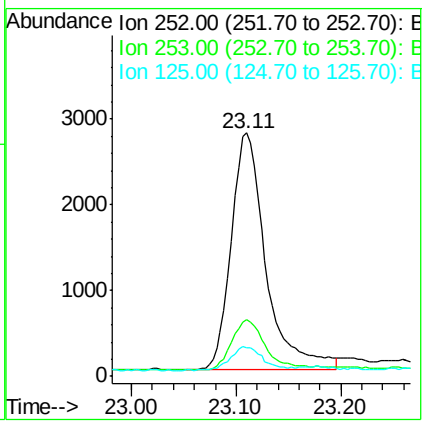


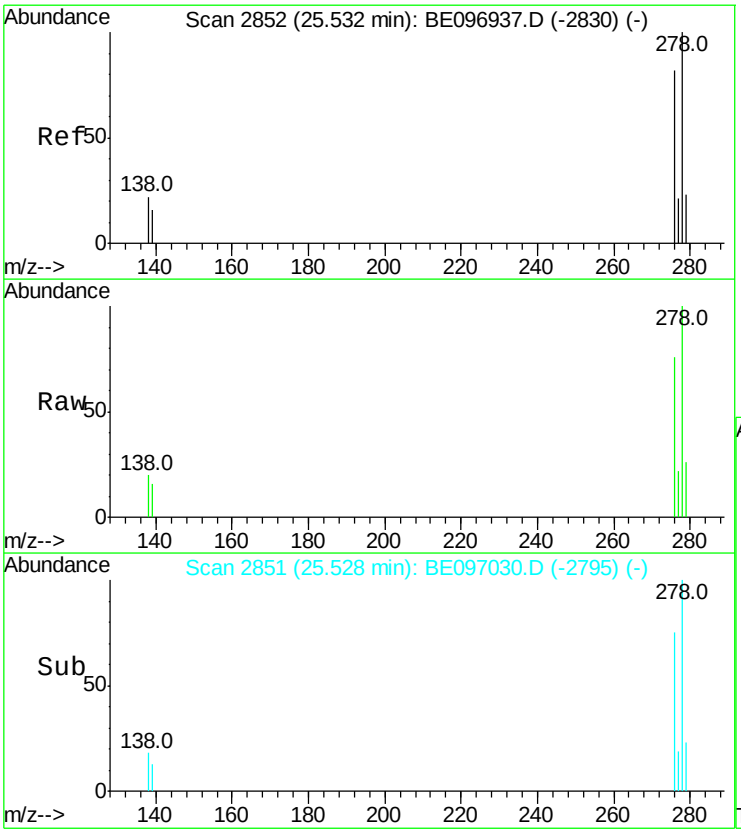
#37
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6362

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	11.6	12.0	18.0#

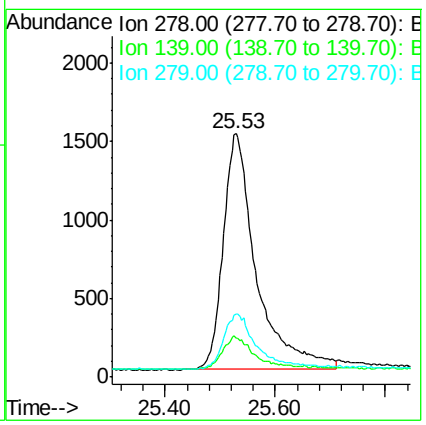


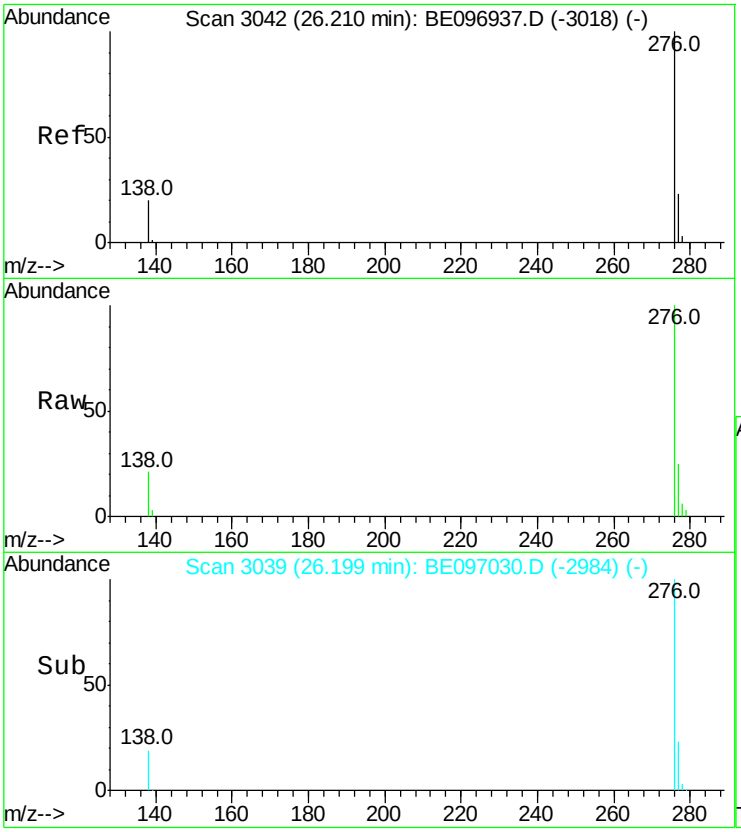


#38
Dibenzo(a,h)anthracene
Concen: 0.431 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Tgt Ion:278 Resp: 6310

Ion	Ratio	Lower	Upper
278	100		
139	15.7	16.0	24.0#
279	25.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.422 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097030.D
Acq: 23 Jul 2018 10:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7071

Ion	Ratio	Lower	Upper
276	100		
277	24.8	16.0	24.0#
138	21.1	20.0	30.0