Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097046.D
Acq On : 23 Jul 2018 20:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jul 24 05:28:06 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	1531	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	7657	0.40	ng		0.00
13) Acenaphthene-d10	14.02	164	4813	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	13308	0.40	ng		0.00
27) Chrysene-d12	20.98	240	13073	0.40	ng		0.00
34) Perylene-d12	23.21	264	12283	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1810	0.49	ng		0.00
5) Phenol-d6	6.59	99	2648	0.47	ng		0.00
8) Nitrobenzene-d5	8.53	82	2686	0.48	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4414	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	673	0.59	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	6514	0.36	ng		0.00
25) Fluoranthene-d10	18.81	212	53077	0.46	ng		0.00
29) Terphenyl-d14	19.43	244	9923	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	961	0.438	ng	#	88
3) n-Nitrosodimethylamine	3.38	42	1108	0.449	ng	#	93
6) bis(2-Chloroethyl)ether	6.84	93	2251	0.410	ng		94
9) Naphthalene	10.20	128	27225	0.397	ng		100
10) Hexachlorobutadiene	10.48	225	1202	0.434	ng		98
12) 2-Methylnaphthalene	11.81	142	4664	0.401	ng		99
16) Acenaphthylene	13.73	152	8620	0.392	ng		100
17) Acenaphthene	14.08	154	5129	0.375	ng		94
18) Fluorene	15.07	166	6607	0.431	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	2535	0.403	ng	#	83
21) Hexachlorobenzene	16.08	284	2700	0.386	ng	#	83
22) Pentachlorophenol	16.43	266	928	0.782	ng	#	73
23) Phenanthrene	16.81	178	12573	0.394	ng		98
24) Anthracene	16.90	178	11126	0.401	ng		96
26) Fluoranthene	18.84	202	14211	0.423	ng		98
28) Pyrene	19.21	202	14508	0.376	ng		100
30) Benzo(a)anthracene	20.96	228	12707	0.408	ng		97
31) Chrysene	21.00	228	13887	0.398	ng		97
32) Bis(2-ethylhexyl)phthalate	20.92	149	17964	0.578	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	13893	0.546	ng	#	93
35) Benzo(b)fluoranthene	22.54	252	11924	0.380	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	13113	0.352	ng		95
37) Benzo(a)pyrene	23.11	252	11009	0.410	ng	#	93
38) Dibenzo(a,h)anthracene	25.53	278	11661	0.498	ng	#	95
39) Benzo(g,h,i)perylene	26.20	276	12026	0.472	ng	#	90

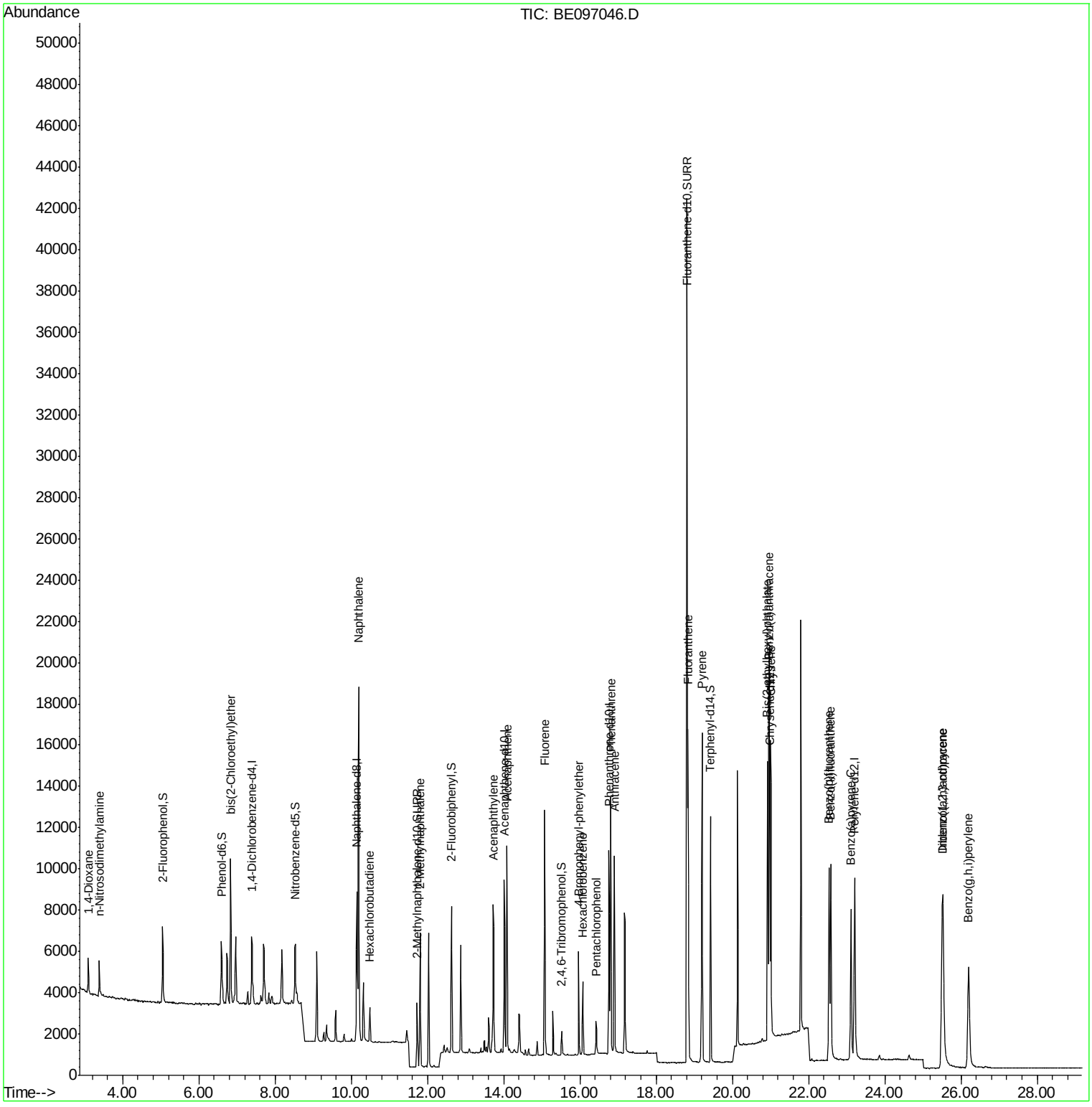
(#) = qualifier out of range (m) = manual integration (+) = signals summed

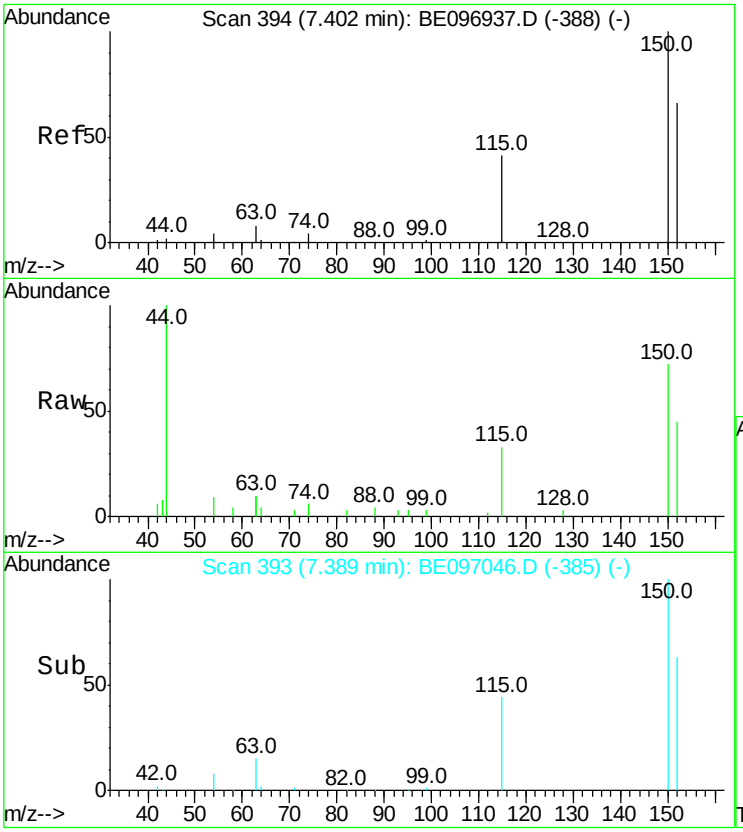
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097046.D
Acq On : 23 Jul 2018 20:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 24 05:28:06 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



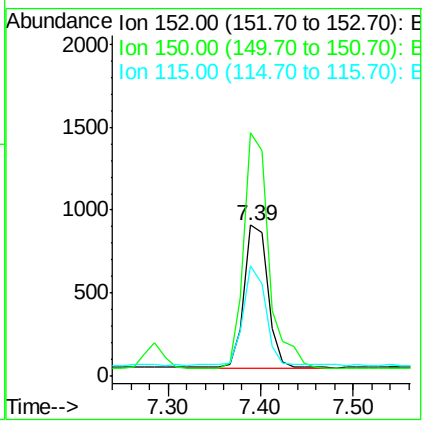


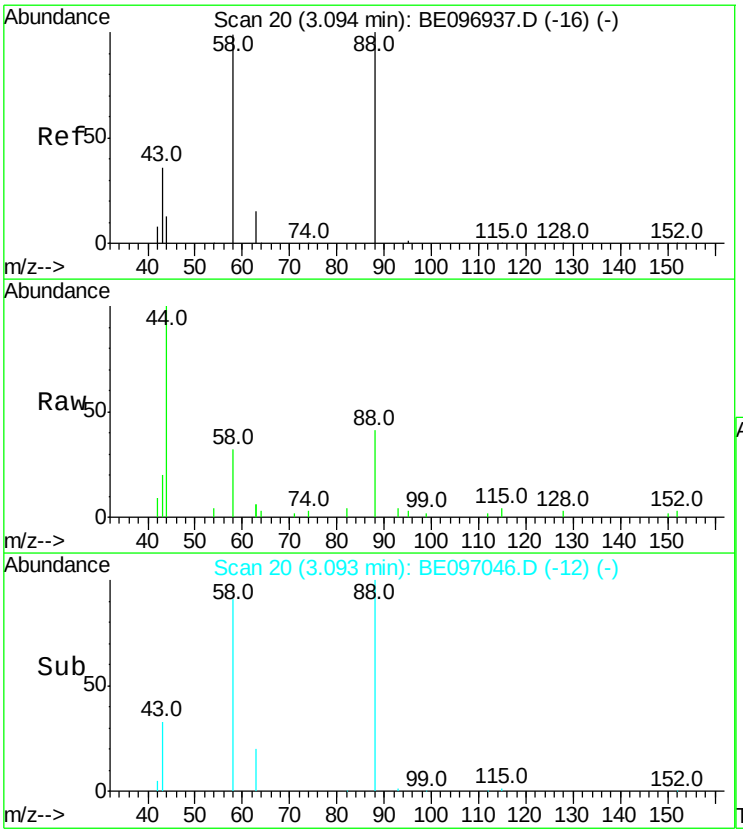
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1531

Ion	Ratio	Lower	Upper
152	100		
150	160.8	117.2	175.8
115	73.1	57.0	85.6

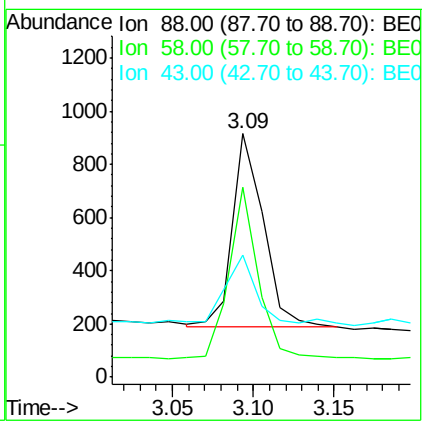


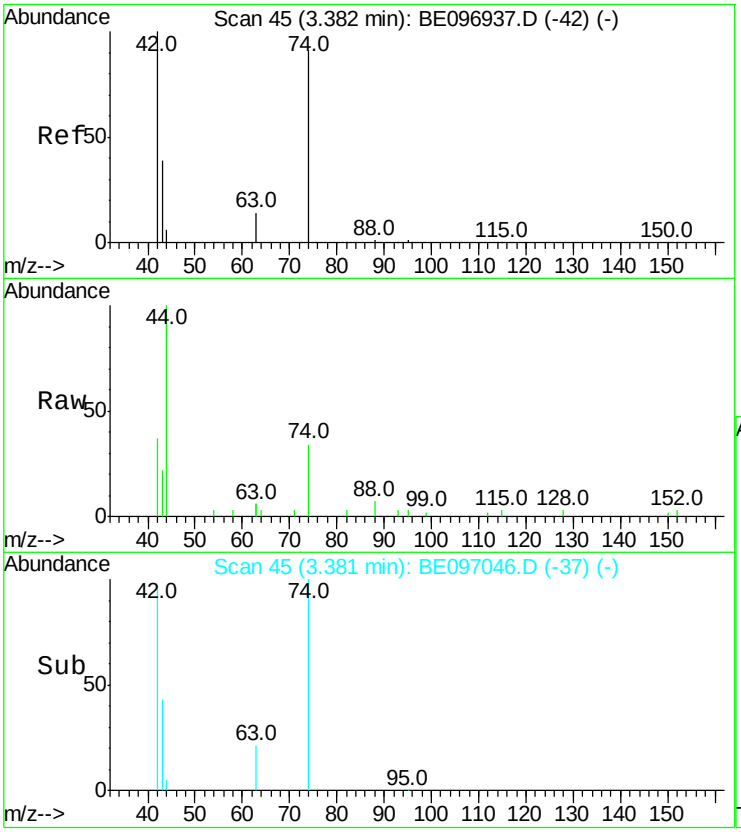


#2
1,4-Dioxane
Concen: 0.438 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion: 88 Resp: 961

Ion	Ratio	Lower	Upper
88	100		
58	83.0	63.2	94.8
43	35.5	41.2	61.8#



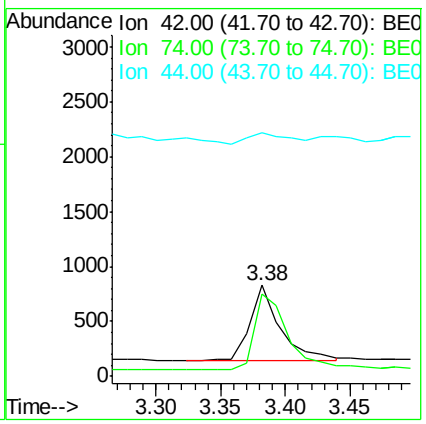


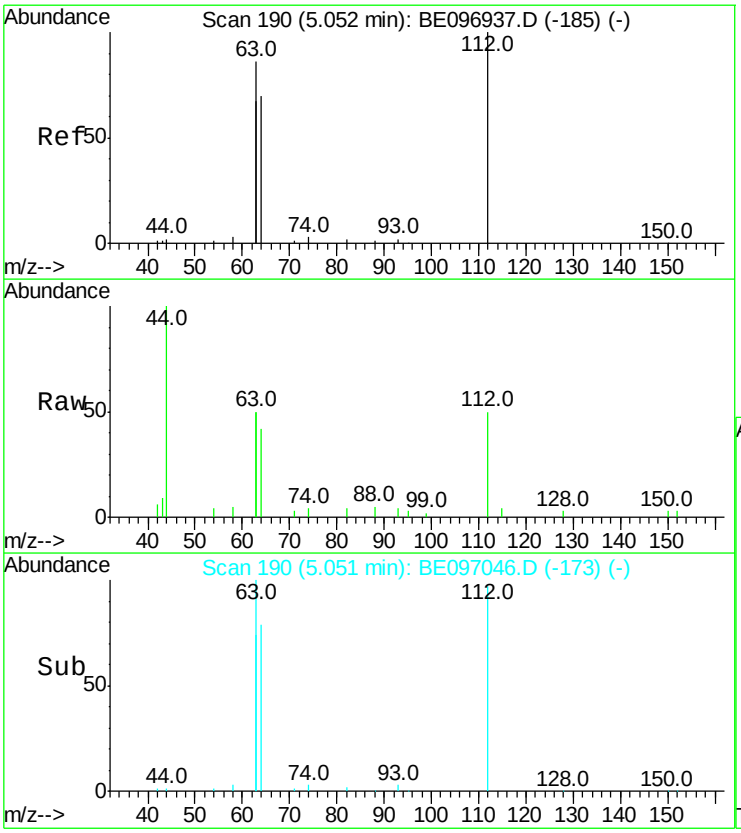
#3
n-Nitrosodimethylamine
Concen: 0.449 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1108

Ion	Ratio	Lower	Upper
42	100		
74	113.4	96.0	144.0
44	20.3	12.0	18.0#

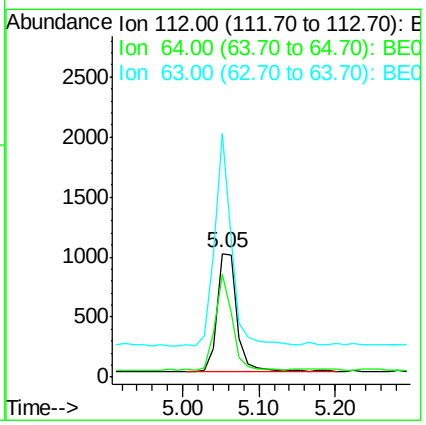


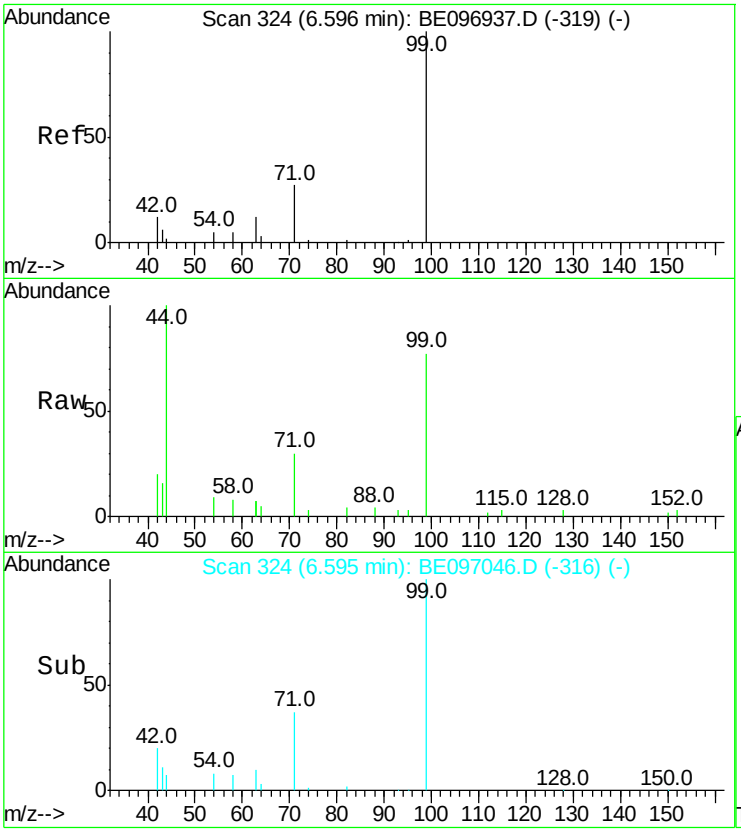


#4
2-Fluorophenol
Concen: 0.494 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:112 Resp: 1810

Ion	Ratio	Lower	Upper
112	100		
64	67.7	60.1	90.1
63	150.6	116.8	175.2



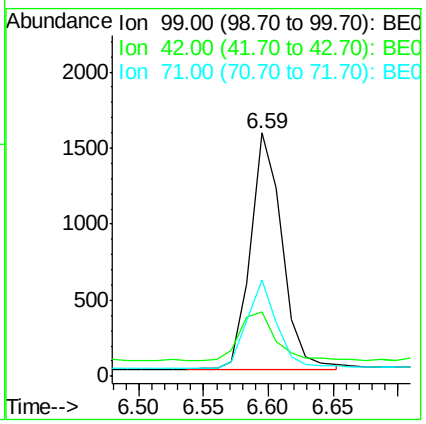


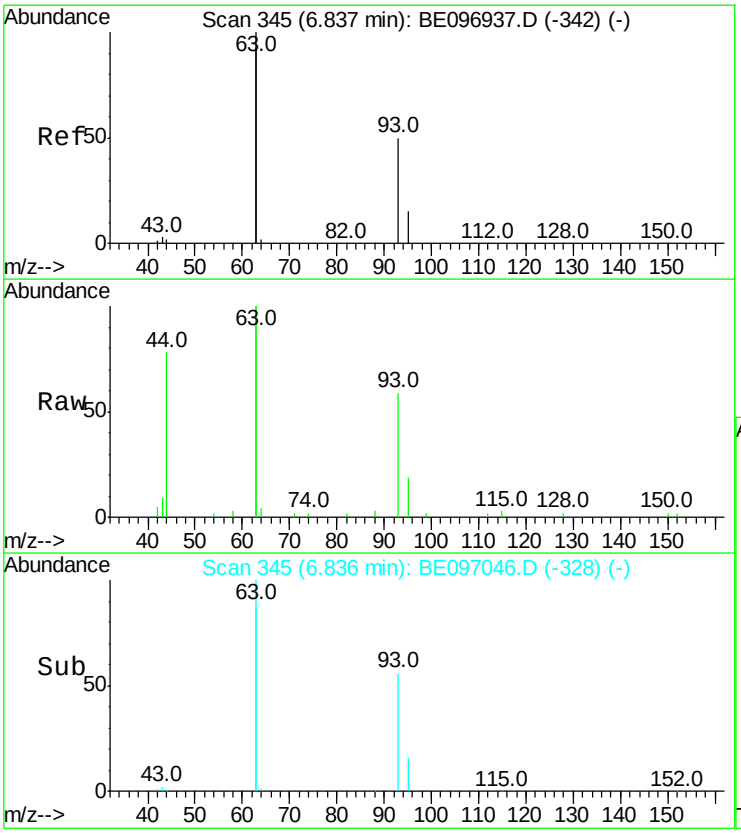
#5
Phenol-d6
Concen: 0.474 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2648

Ion	Ratio	Lower	Upper
99	100		
42	23.6	20.2	30.2
71	35.9	28.4	42.6

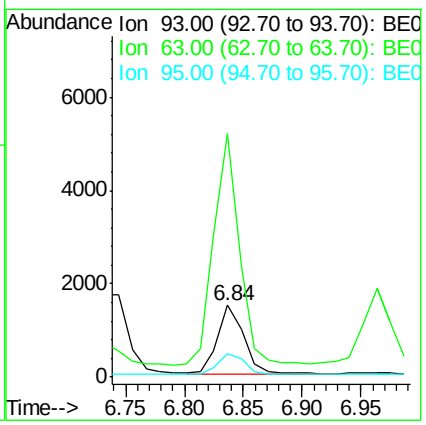


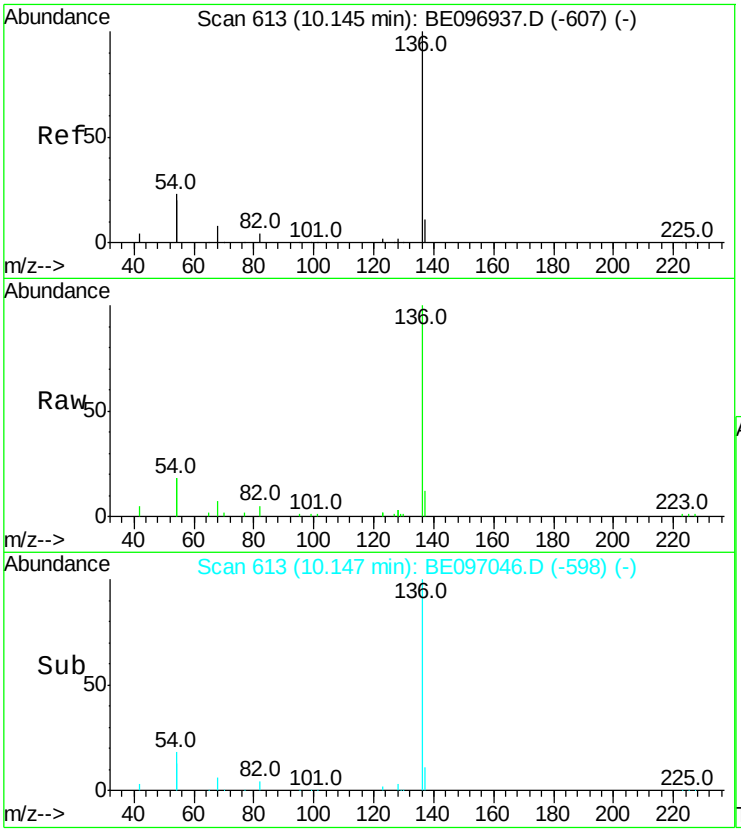


#6
bis(2-Chloroethyl)ether
Concen: 0.410 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion: 93 Resp: 2251

Ion	Ratio	Lower	Upper
93	100		
63	331.2	275.3	412.9
95	32.4	25.2	37.8



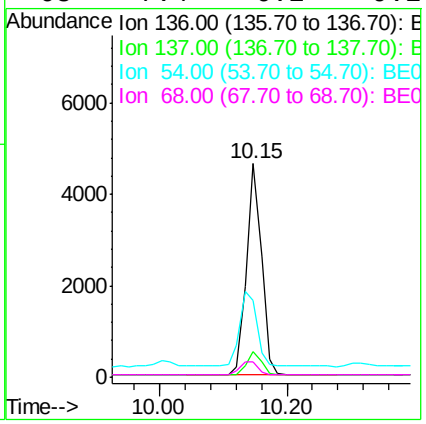


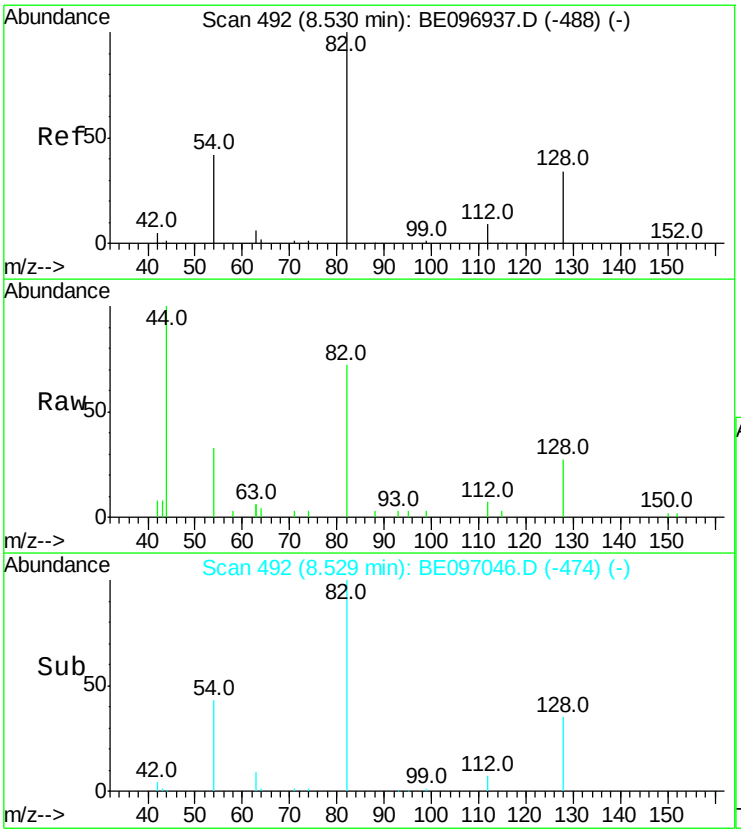
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 7657

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	36.2	29.1	43.7
68	7.4	6.2	9.2

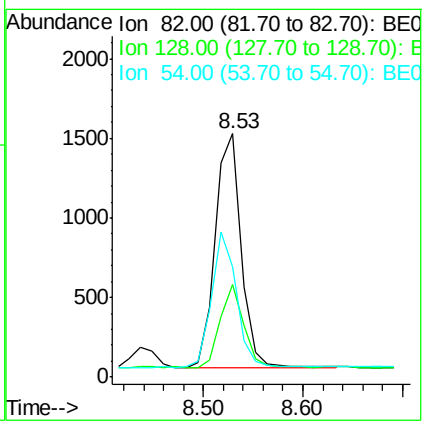


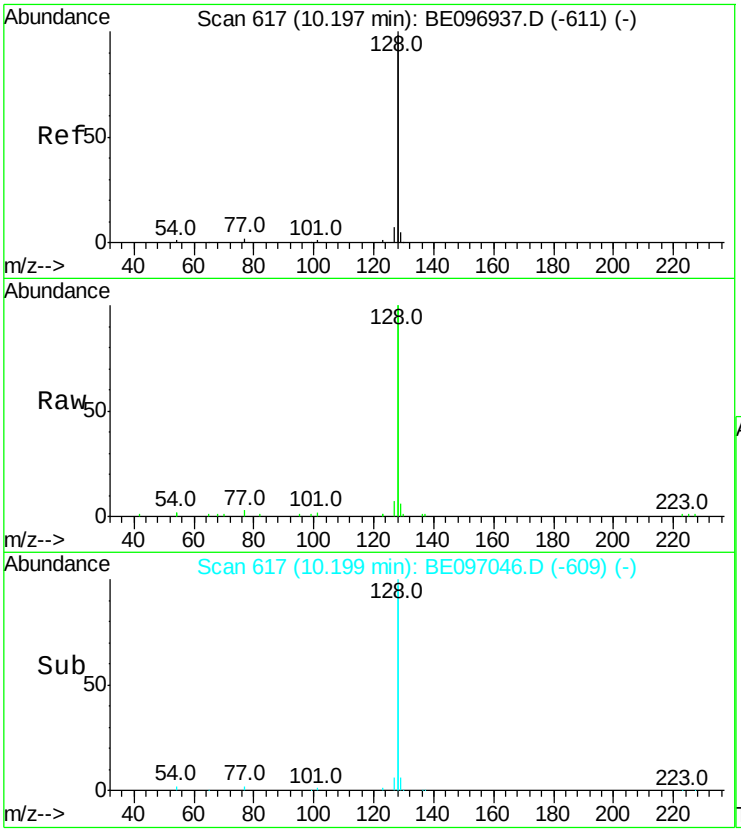


#8
Nitrobenzene-d5
Concen: 0.481 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.01 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion: 82 Resp: 2686

Ion	Ratio	Lower	Upper
82	100		
128	37.9	24.0	36.0#
54	45.4	40.0	60.0



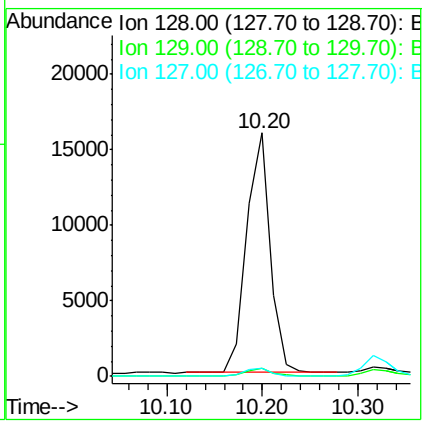


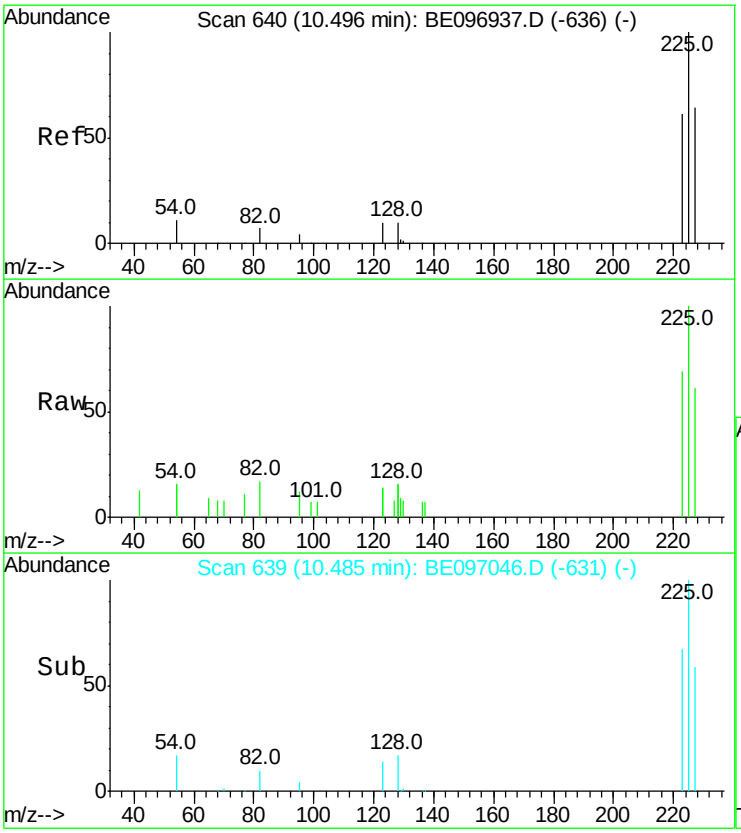
#9
Naphthalene
Concen: 0.397 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 27225

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.4	2.8	4.2

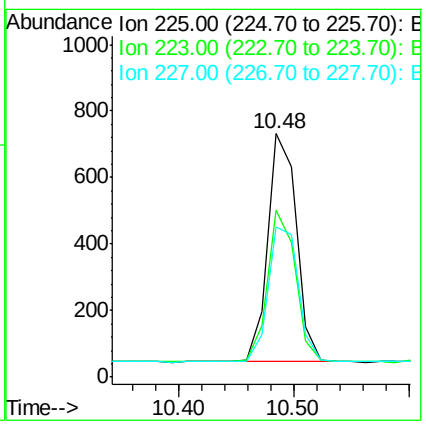


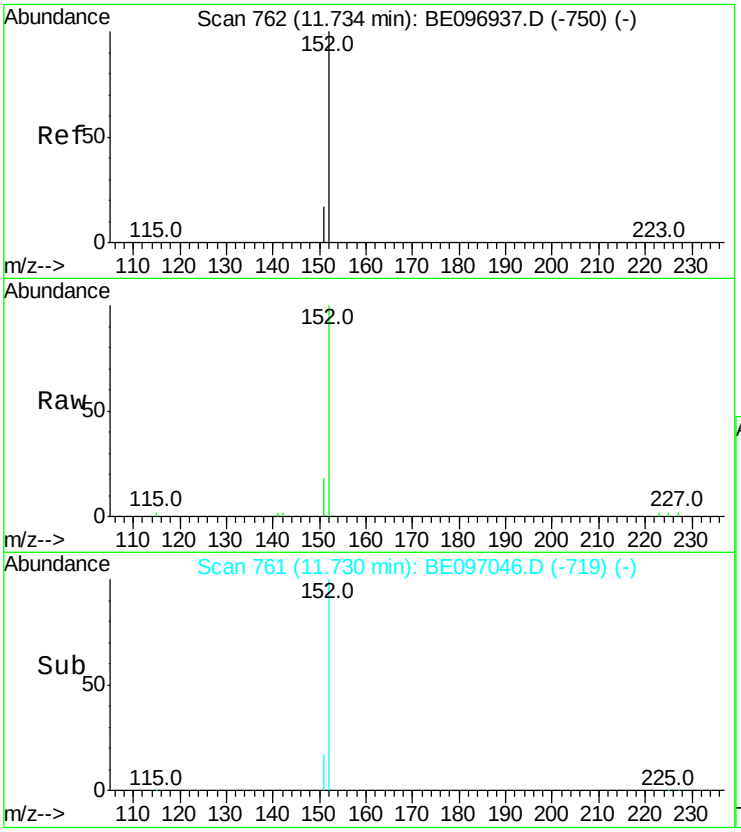


#10
Hexachlorobutadiene
Concen: 0.434 ng
RT: 10.48 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:225 Resp: 1202

Ion	Ratio	Lower	Upper
225	100		
223	65.4	53.0	79.6
227	62.6	51.4	77.2



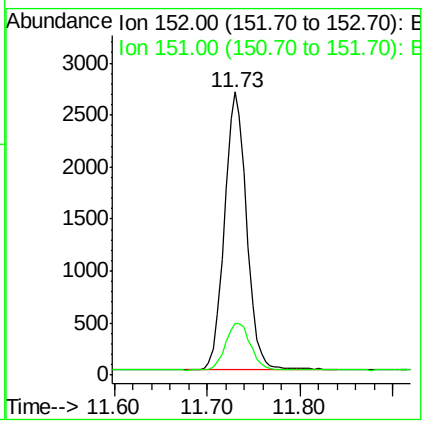


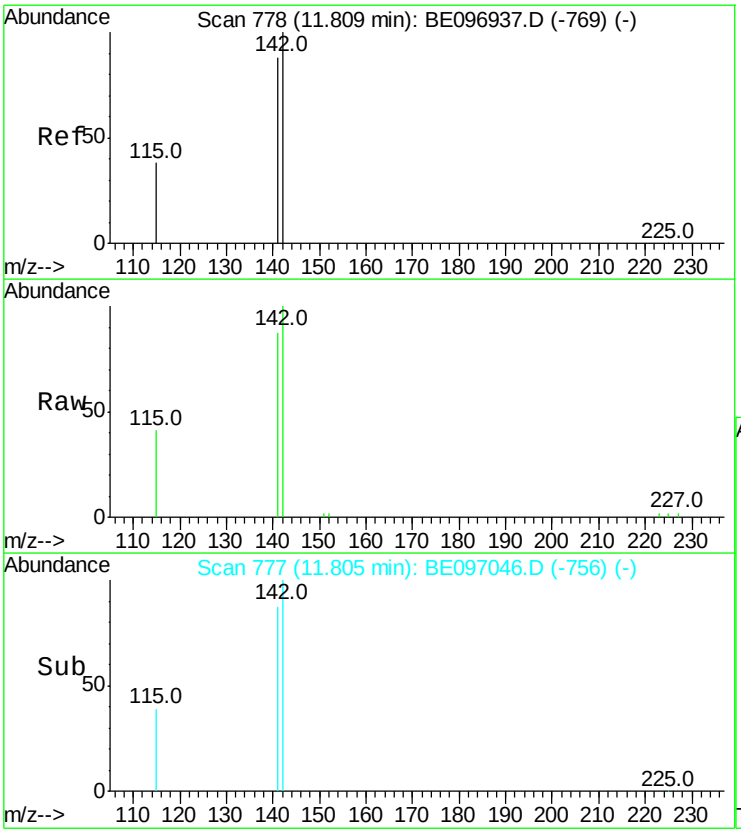
#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4414

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0

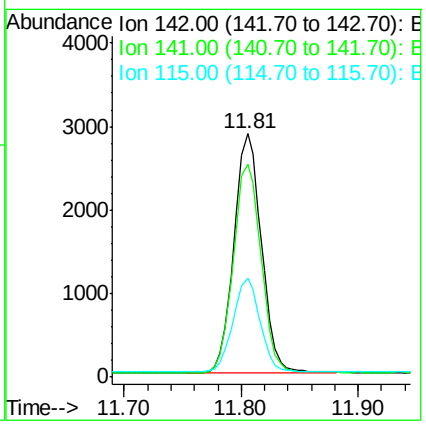


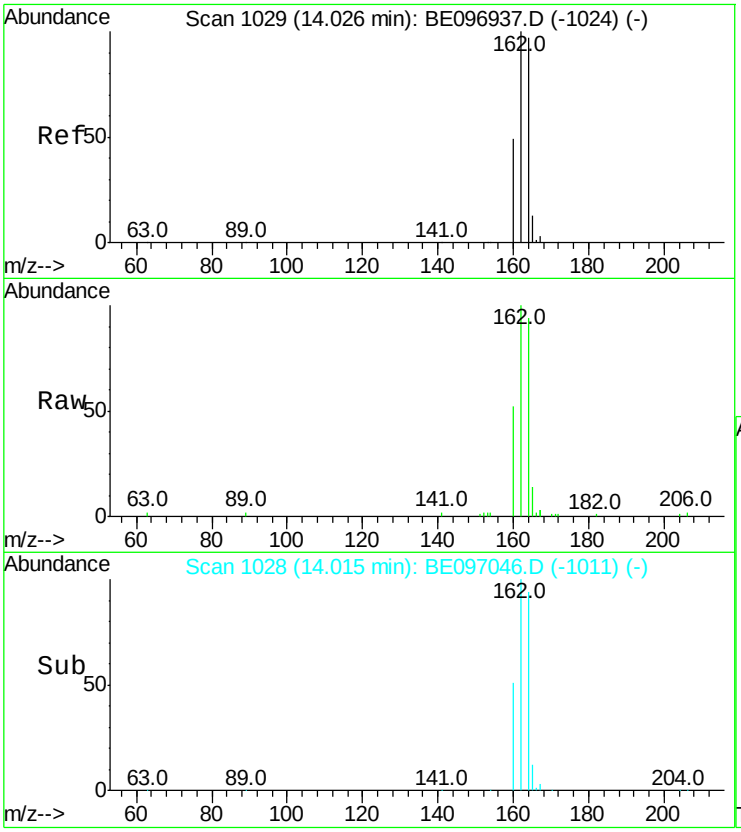


#12
2-Methylnaphthalene
Concen: 0.401 ng
RT: 11.81 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:142 Resp: 4664

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.4	105.6
115	40.8	31.7	47.5



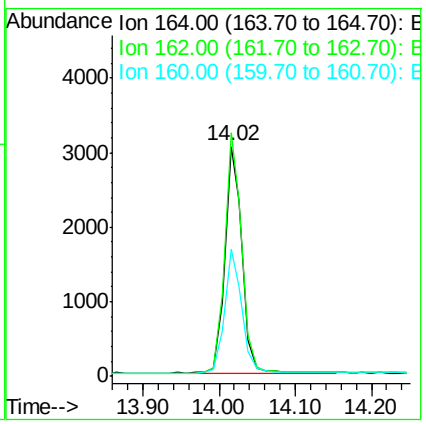


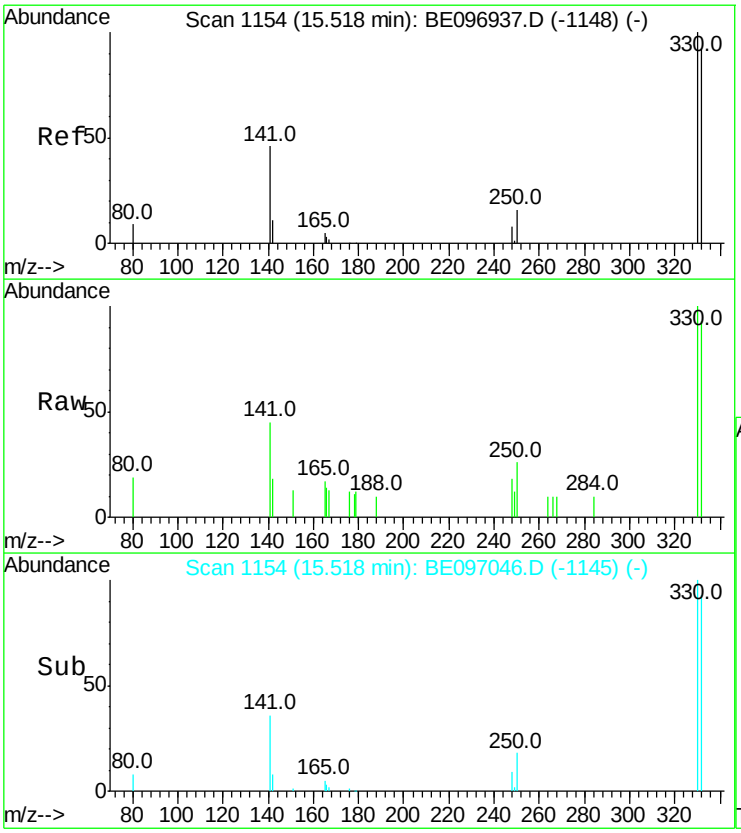
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.02 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4813

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.1	124.7
160	55.2	37.1	55.7

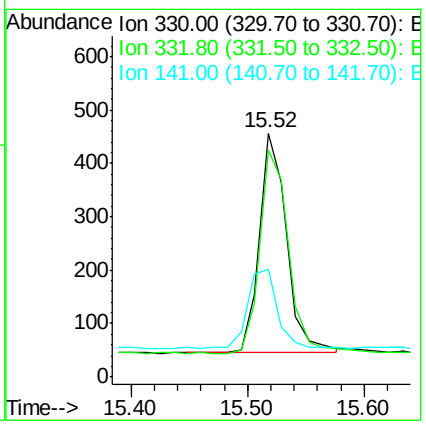


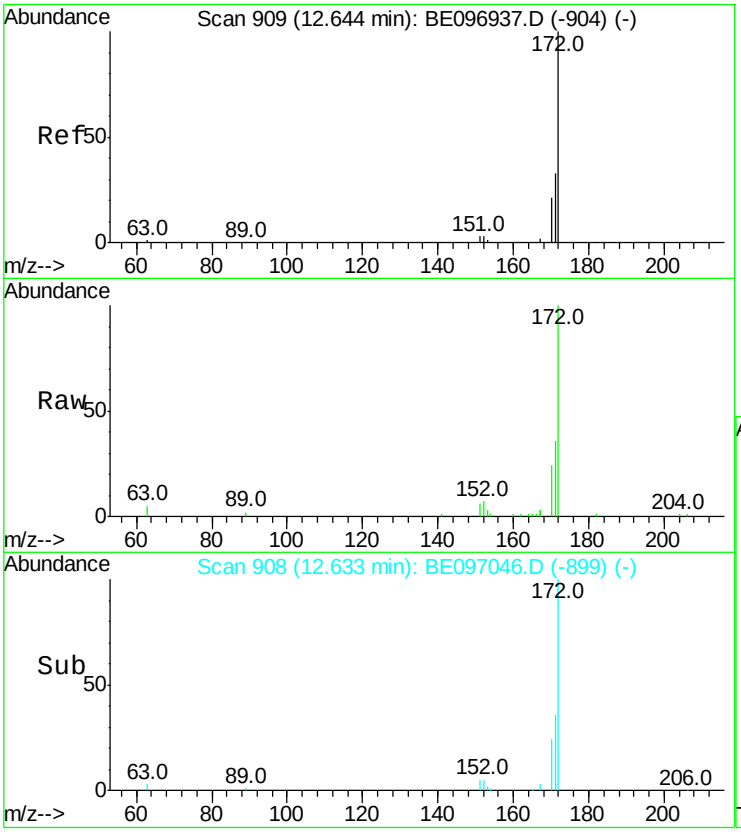


#14
2,4,6-Tribromophenol
Concen: 0.594 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:330 Resp: 673

Ion	Ratio	Lower	Upper
330	100		
332	97.9	152.7	229.1#
141	38.9	33.7	50.5



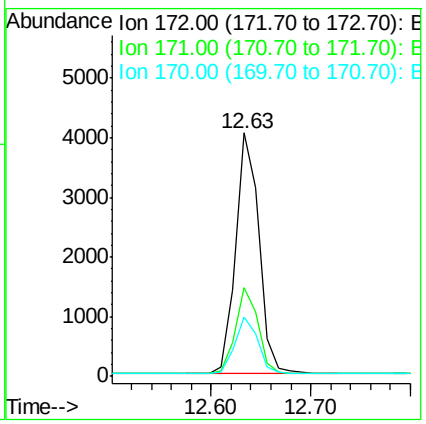


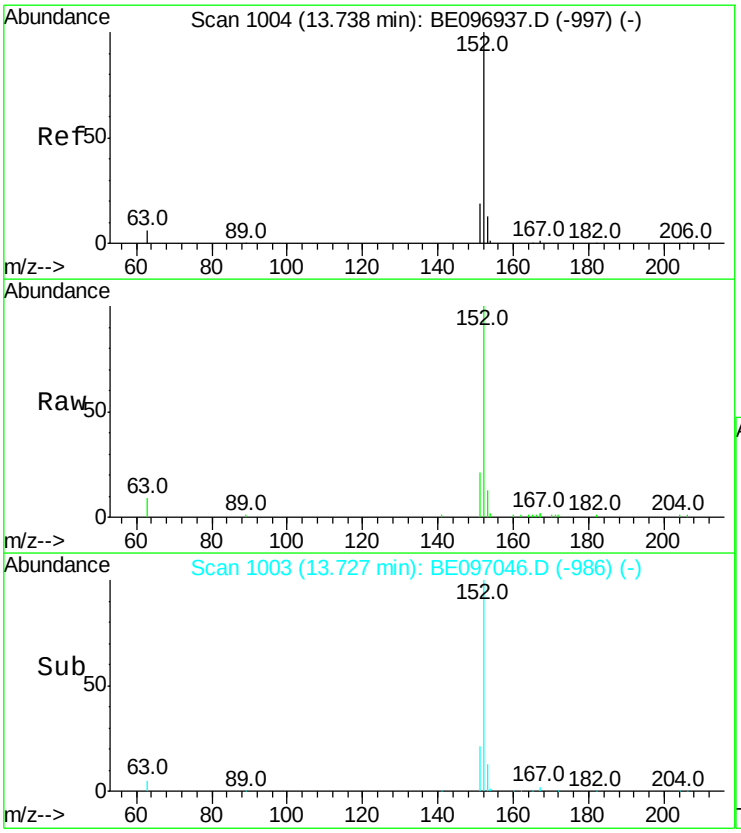
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 6514

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

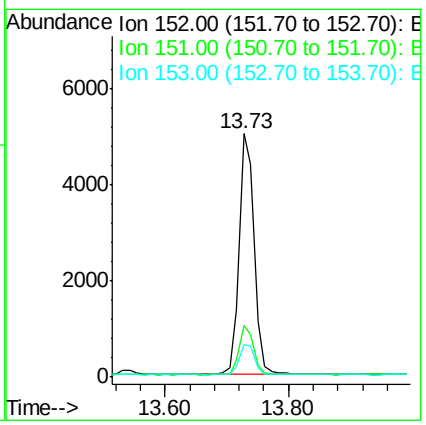


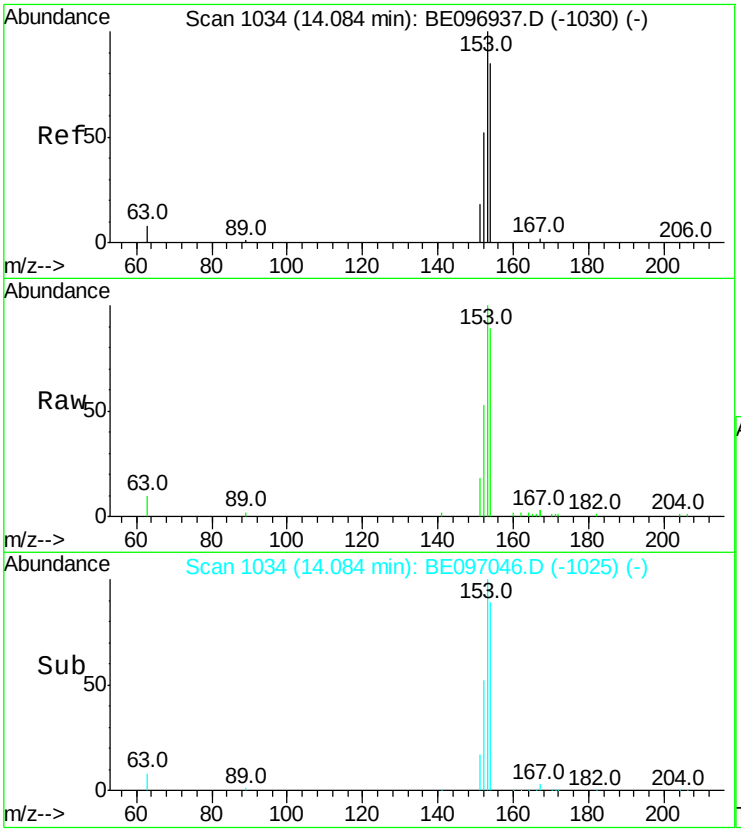


#16
Acenaphthylene
Concen: 0.392 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:152 Resp: 8620

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.3	10.5	15.7



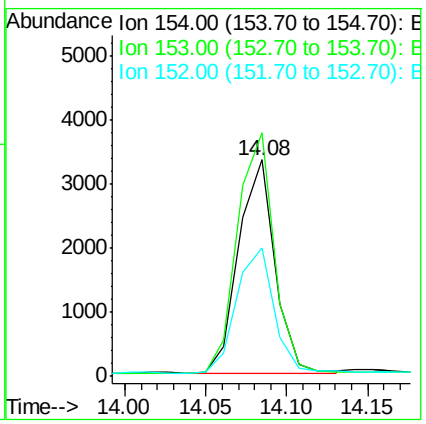


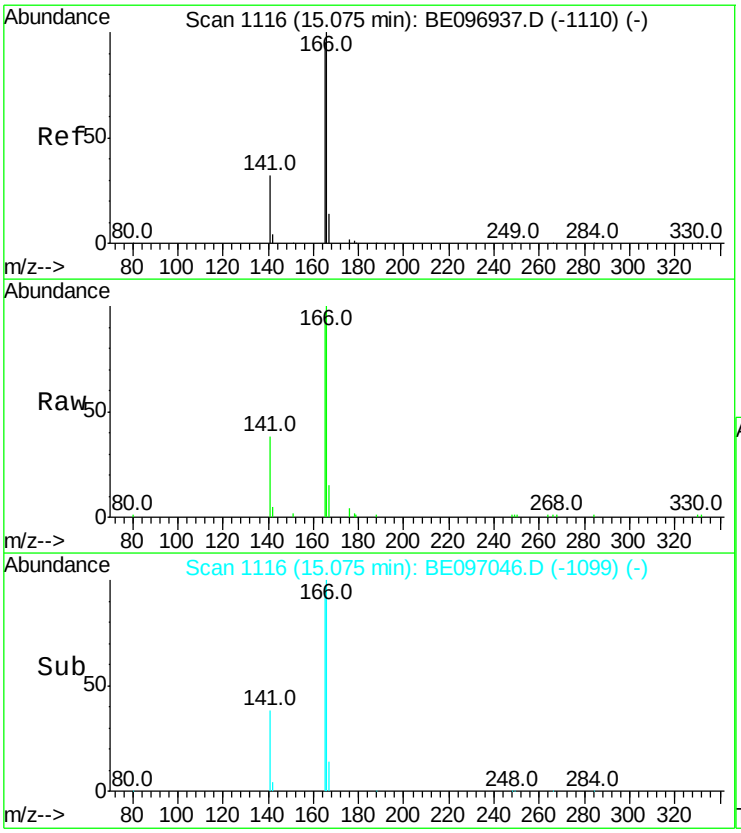
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5129

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.2	133.8
152	60.9	42.0	63.0

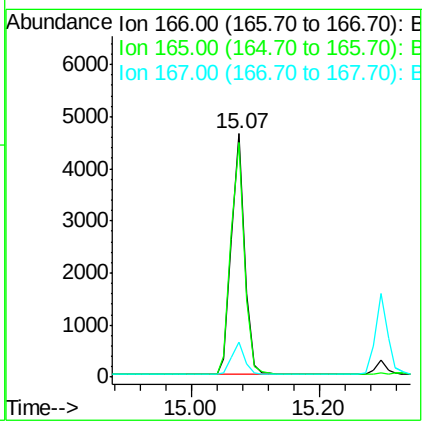


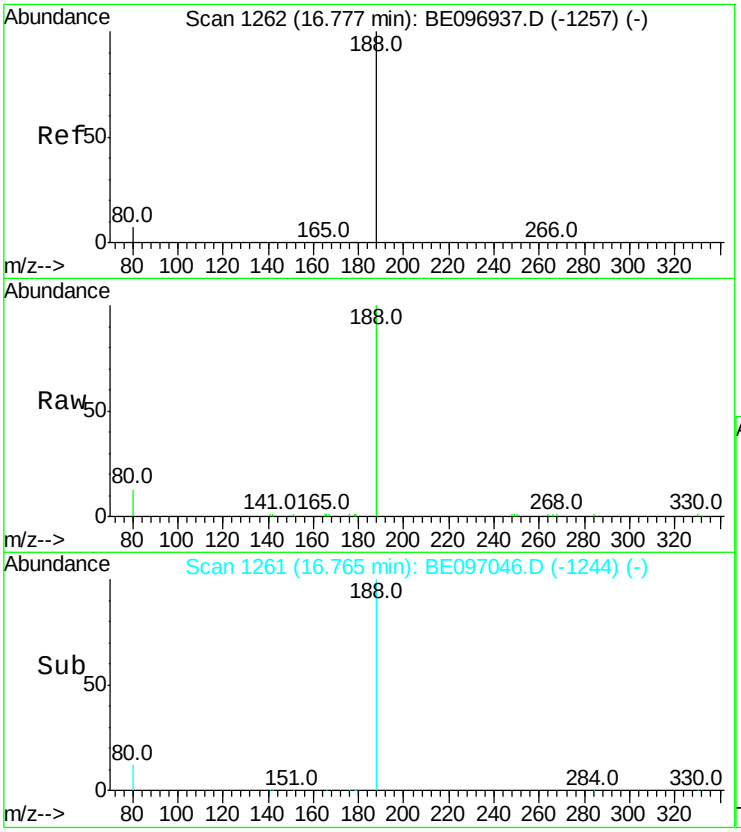


#18
Fluorene
Concen: 0.431 ng
RT: 15.07 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:166 Resp: 6607

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	13.4	42.4	63.6#



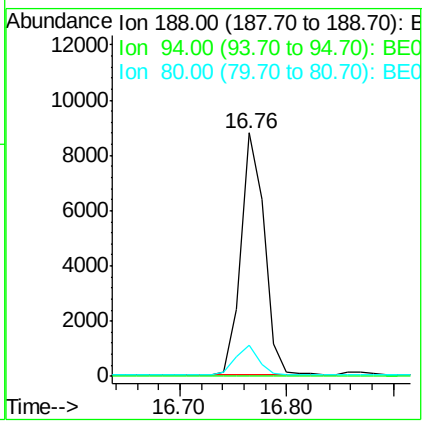


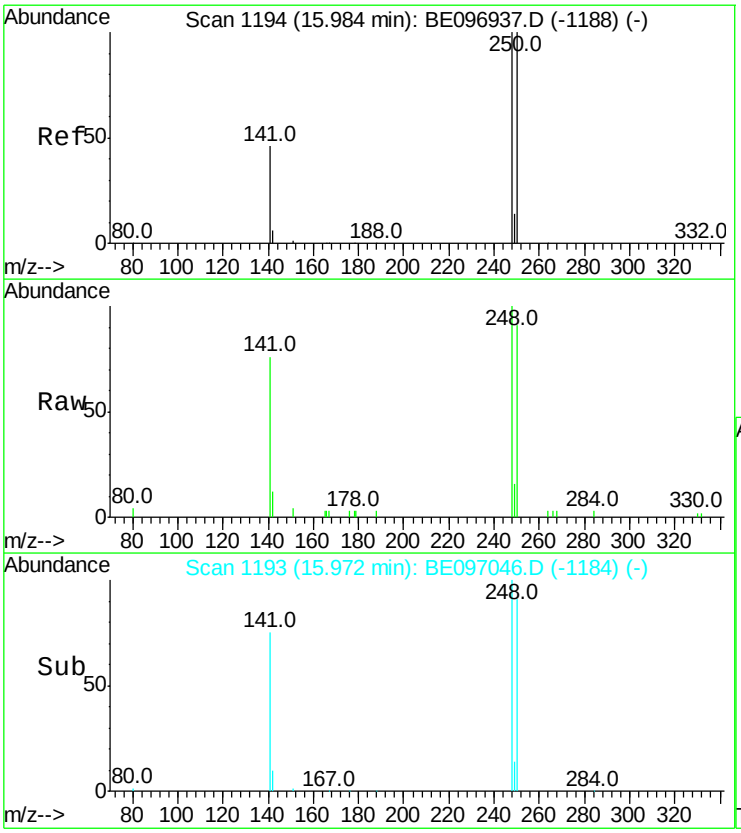
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 13308

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.6	3.6	5.4#

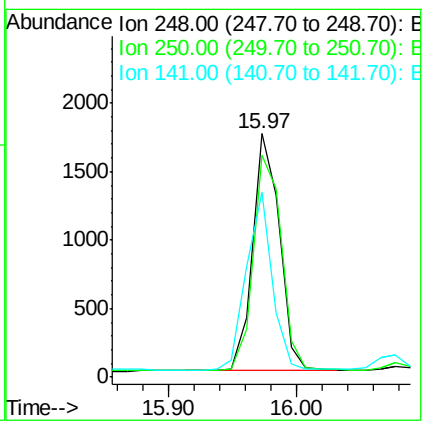


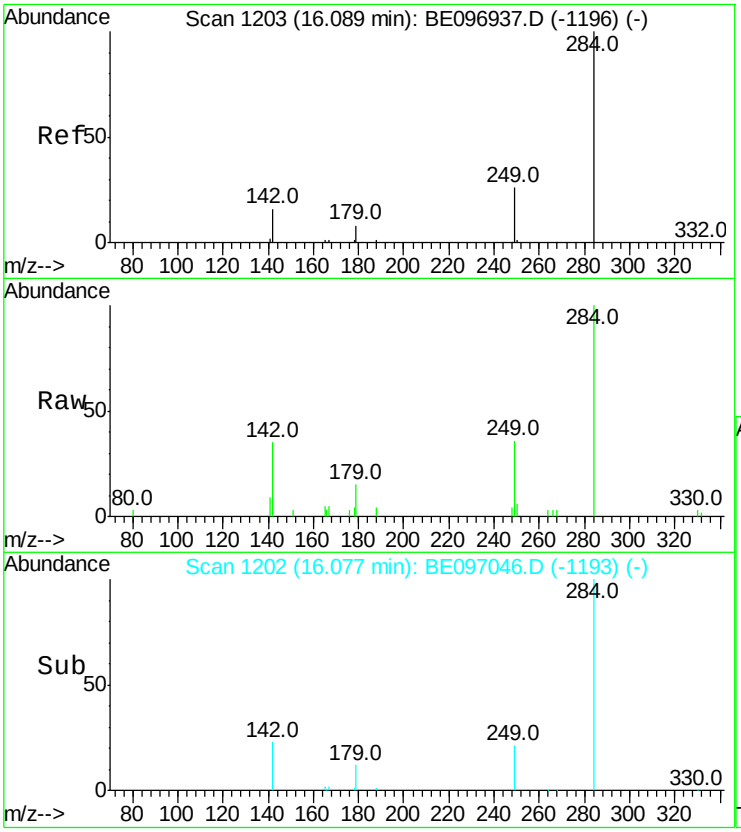


#20
4-Bromophenyl-phenylether
Concen: 0.403 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:248 Resp: 2535

Ion	Ratio	Lower	Upper
248	100		
250	91.0	62.7	94.1
141	75.8	48.2	72.2#



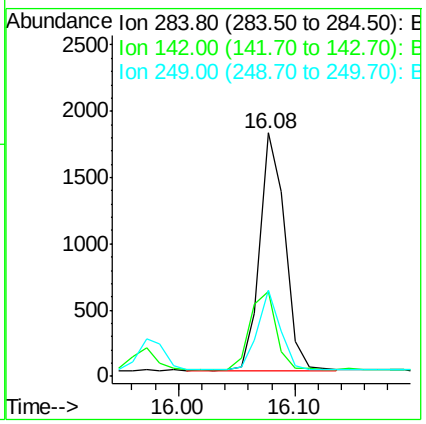


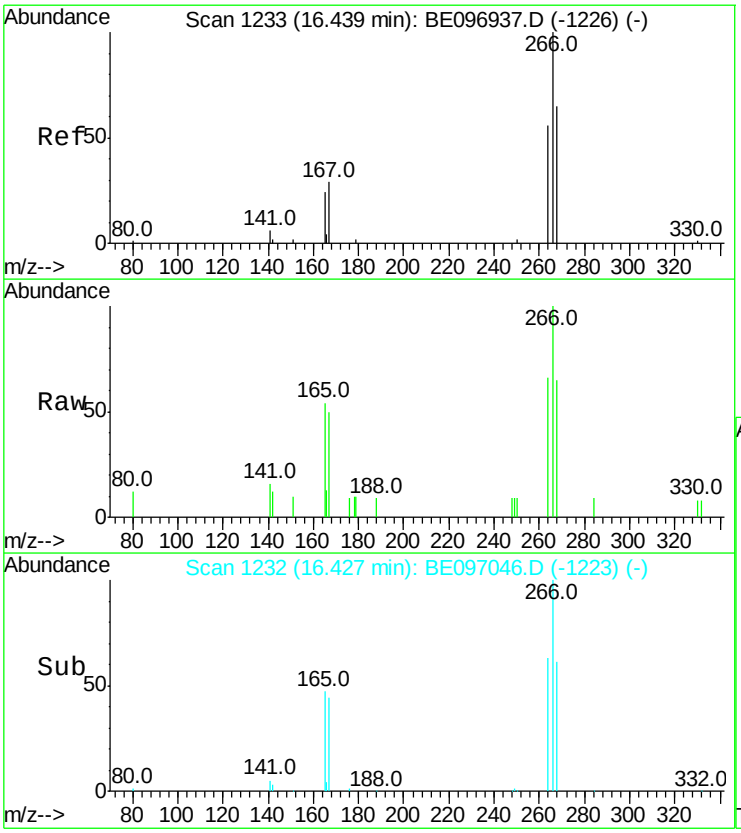
#21
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2700

Ion	Ratio	Lower	Upper
284	100		
142	34.4	22.1	33.1#
249	30.7	34.8	52.2#

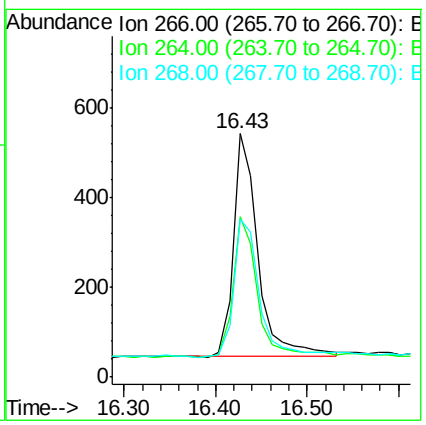


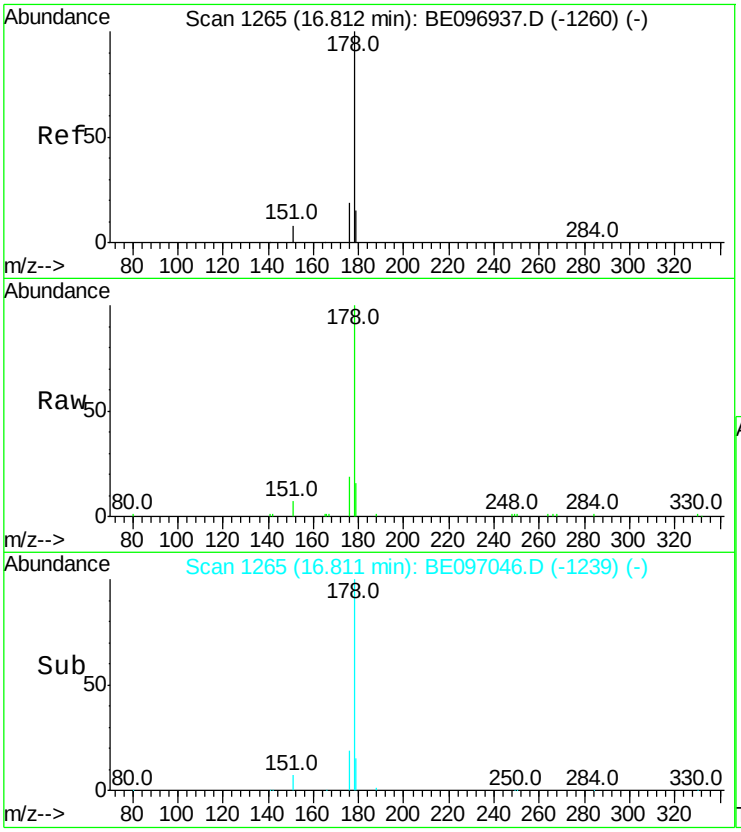


#22
Pentachlorophenol
Concen: 0.782 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:266 Resp: 928

Ion	Ratio	Lower	Upper
266	100		
264	65.9	72.5	108.7#
268	64.6	73.8	110.6#



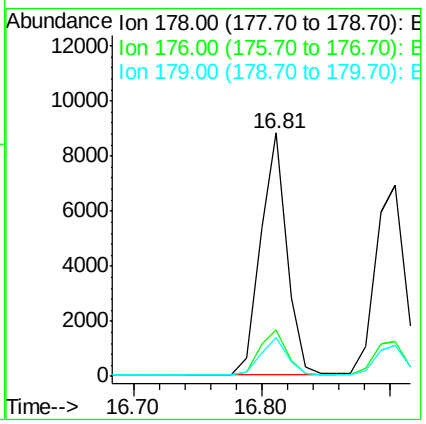


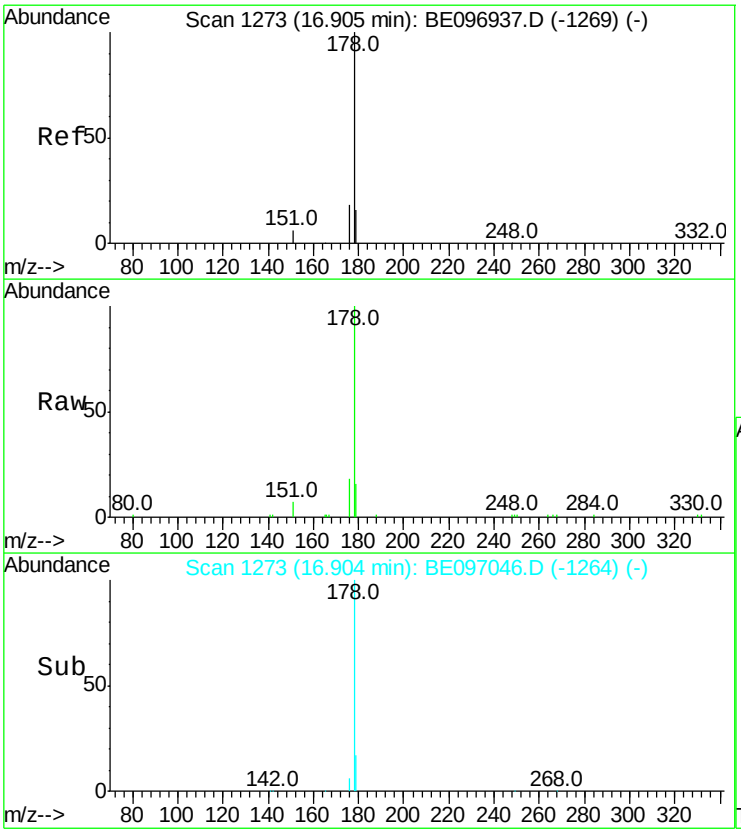
#23
Phenanthrene
Concen: 0.394 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 12573

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.5	11.8	17.6

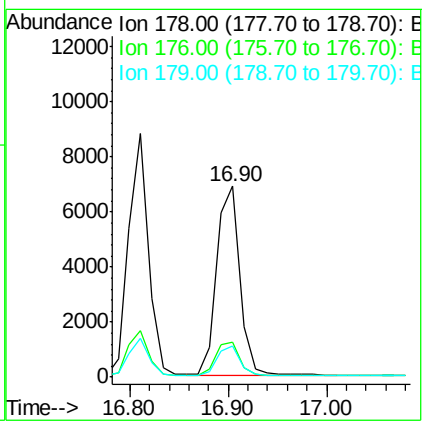


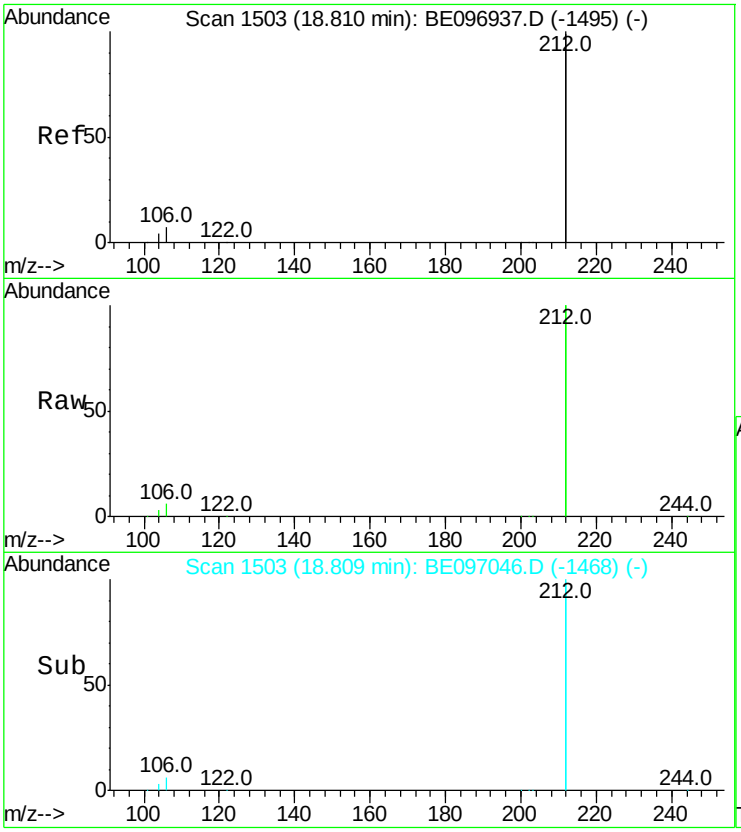


#24
Anthracene
Concen: 0.401 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:178 Resp: 11126

Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.8	19.2
179	15.3	13.0	19.6



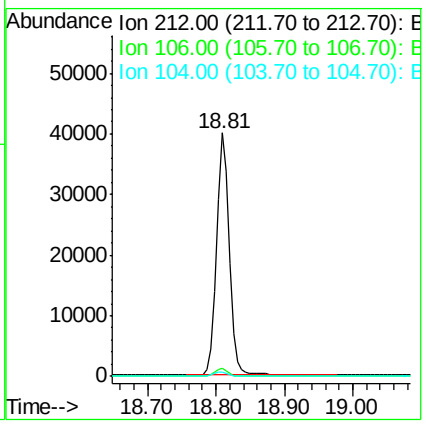


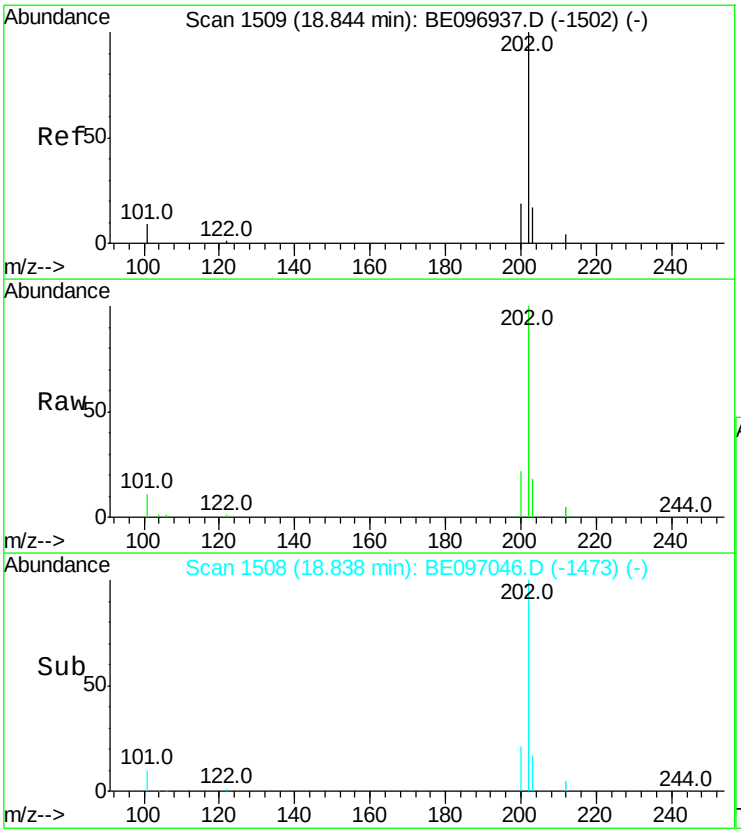
#25
Fluoranthene-d10
Concen: 0.458 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 53077

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

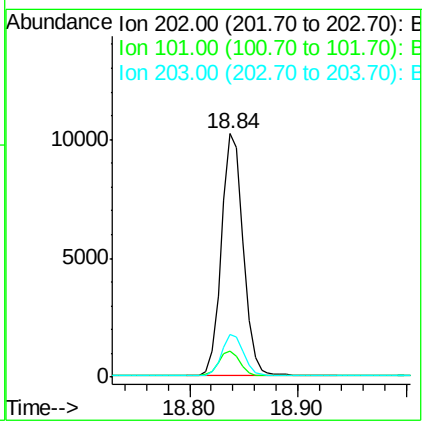


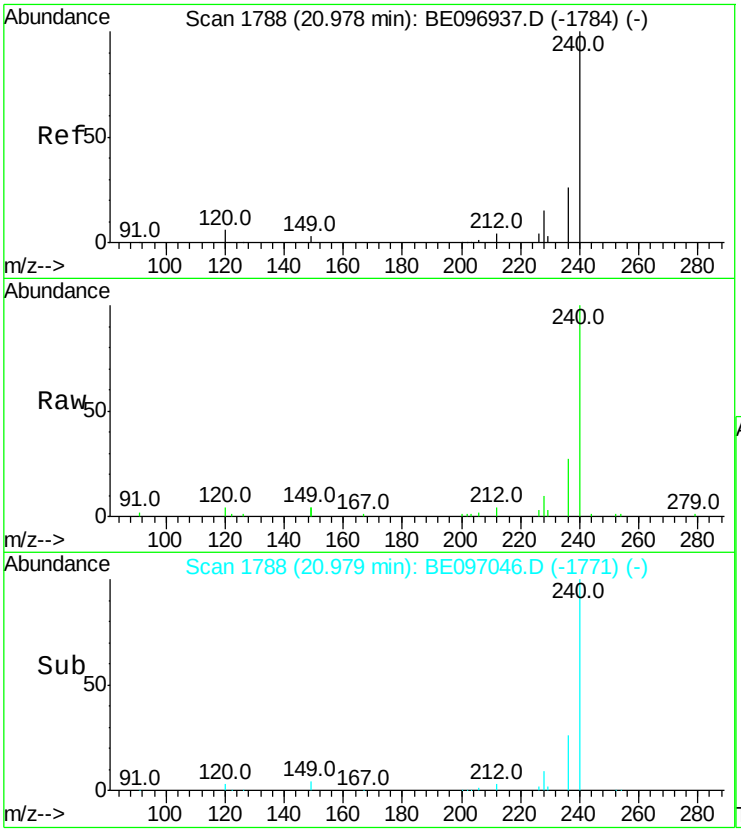


#26
Fluoranthene
Concen: 0.423 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:202 Resp: 14211

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.1	13.7	20.5



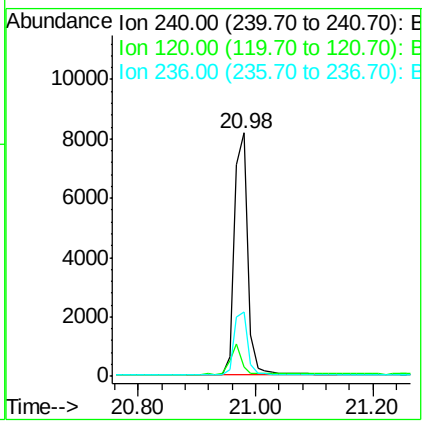


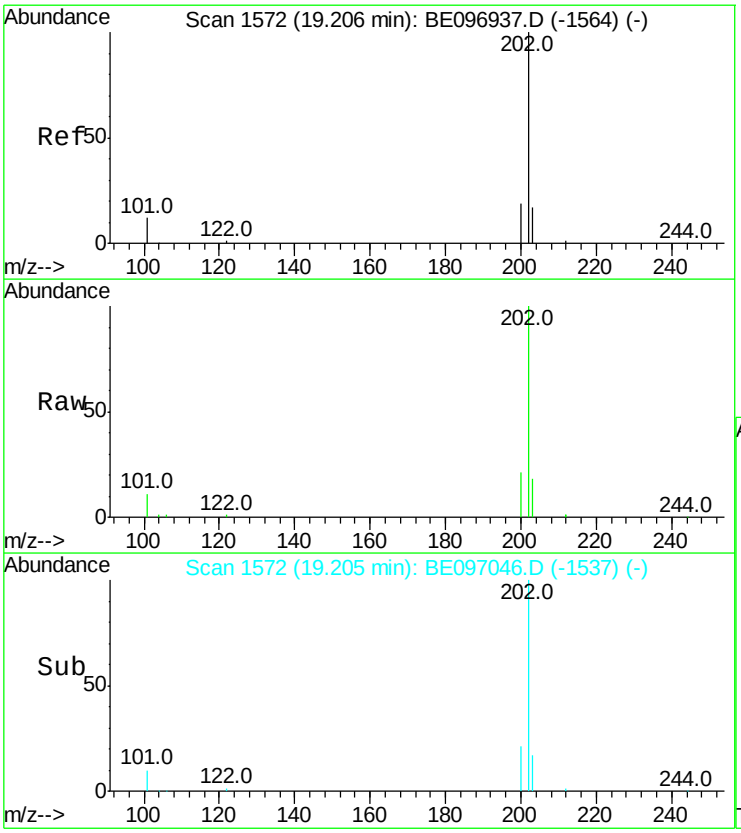
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 13073

Ion	Ratio	Lower	Upper
240	100		
120	4.1	5.5	8.3#
236	26.6	20.7	31.1

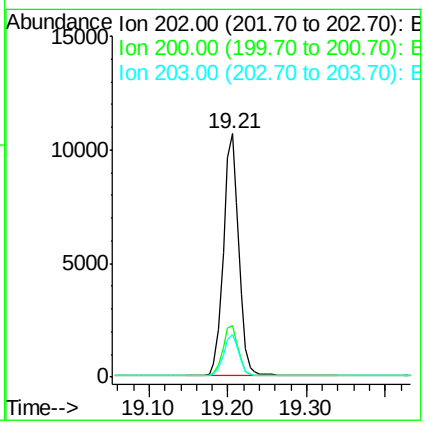


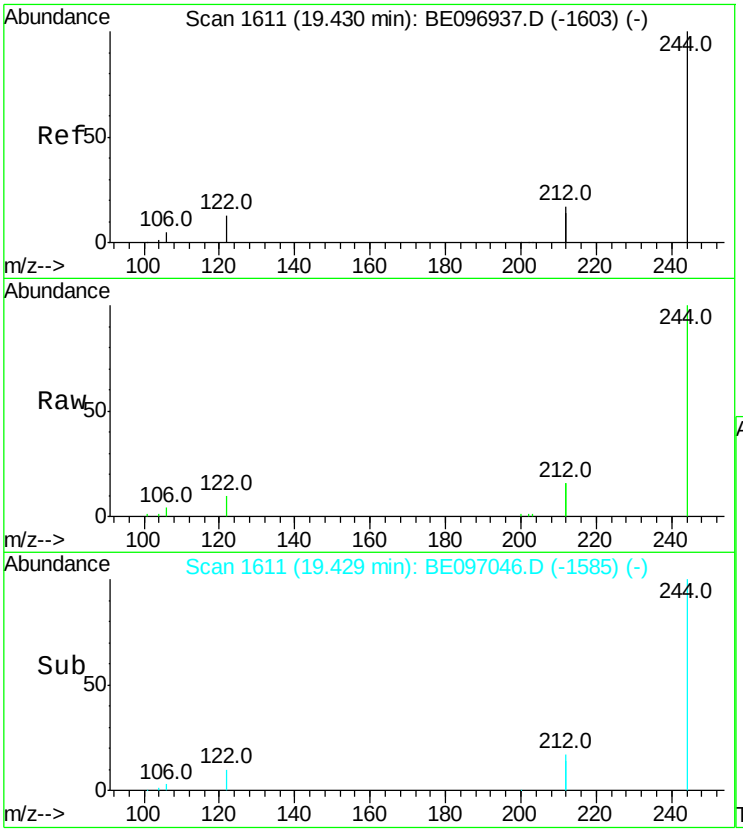


#28
Pyrene
Concen: 0.376 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:202 Resp: 14508

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



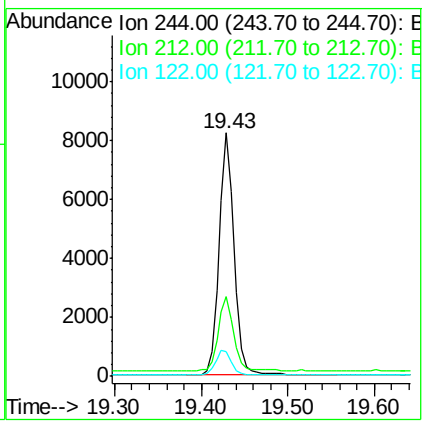


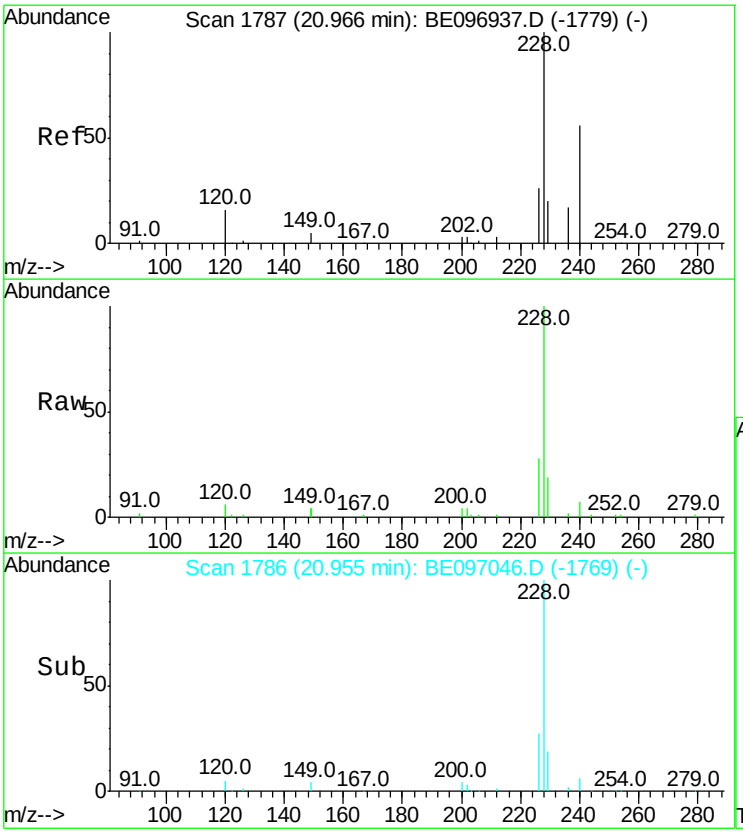
#29
Terphenyl-d14
Concen: 0.393 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 9923

Ion	Ratio	Lower	Upper
244	100		
212	32.9	25.4	38.0
122	10.4	8.1	12.1

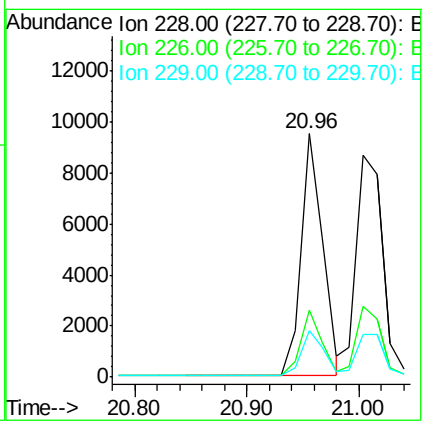


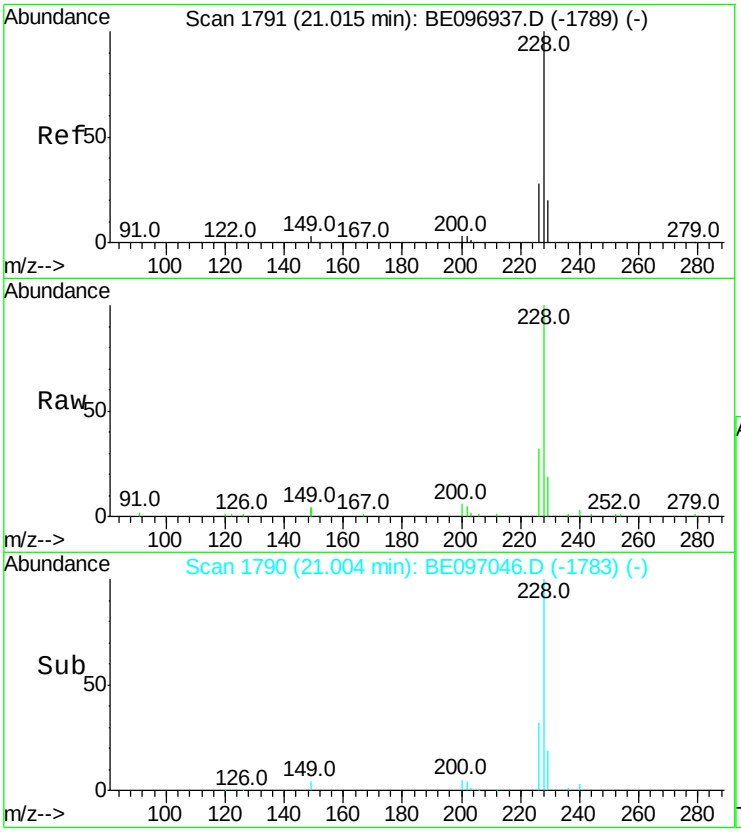


#30
Benzo(a)anthracene
Concen: 0.408 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:228 Resp: 12707

Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.0	36.0
229	19.3	16.0	24.0



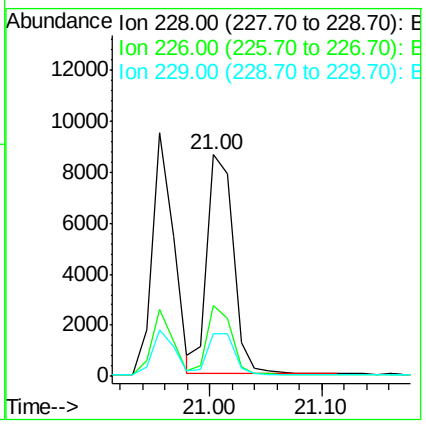


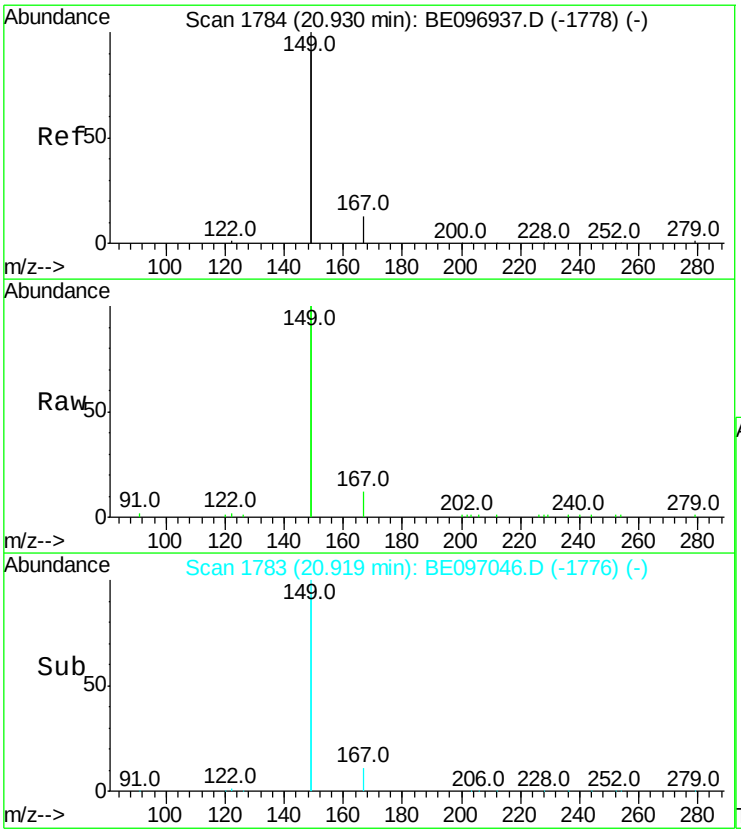
#31
Chrysene
Concen: 0.398 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 13887

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	19.3	16.0	24.0

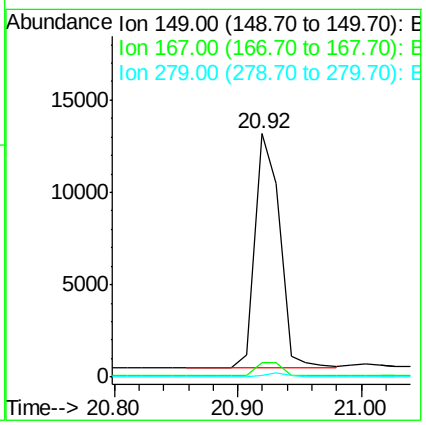


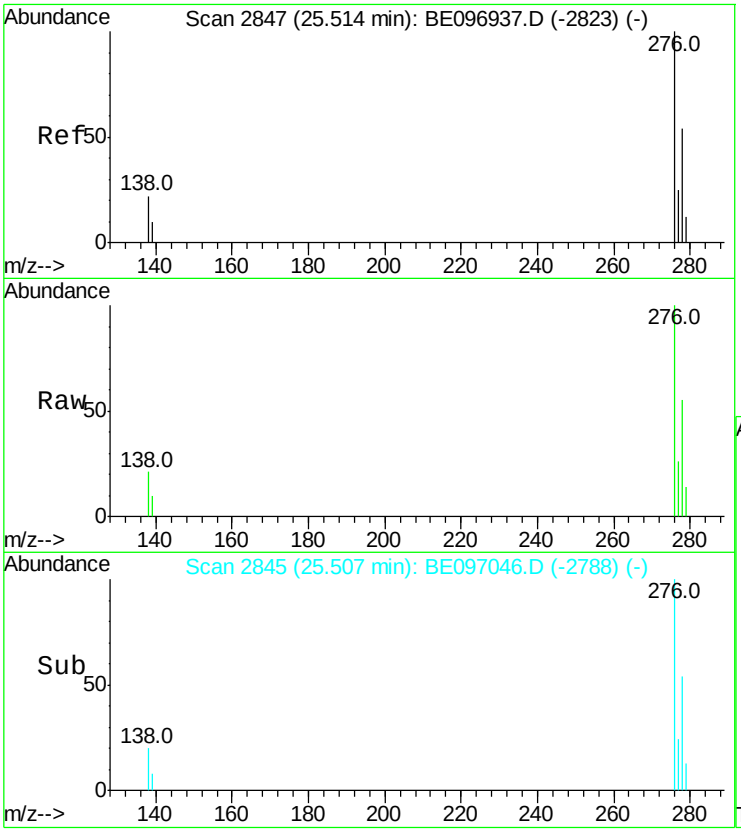


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.578 ng
RT: 20.92 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:149 Resp: 17964

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.0	0.7	1.1



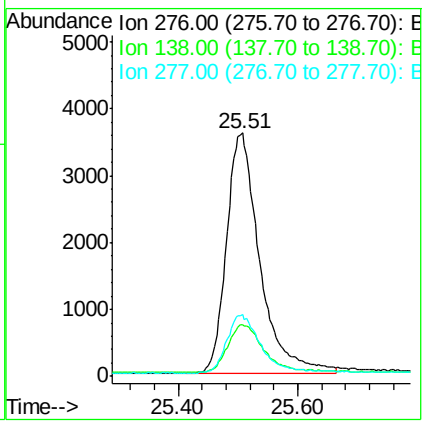


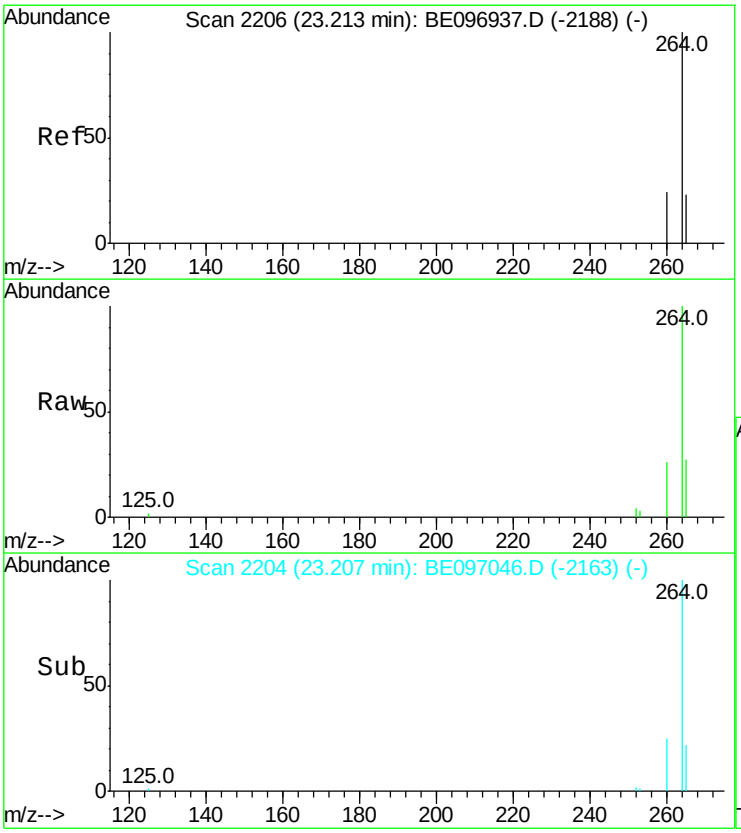
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.546 ng
RT: 25.51 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 13893

Ion	Ratio	Lower	Upper
276	100		
138	21.3	22.5	33.7#
277	24.4	19.9	29.9

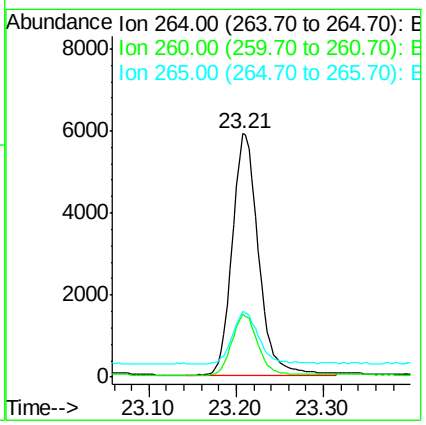


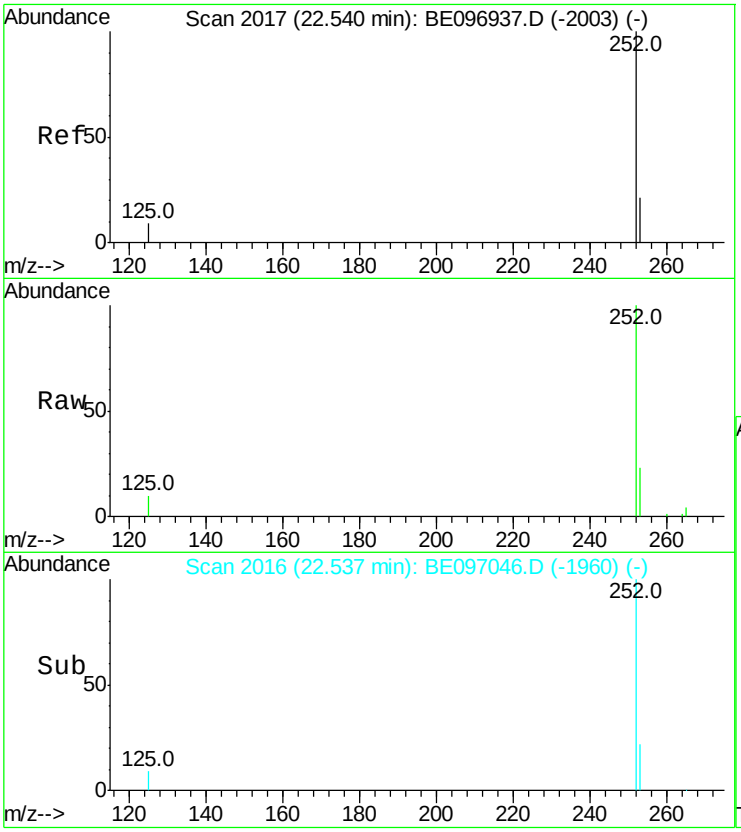


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:264 Resp: 12283

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	26.7	22.8	34.2



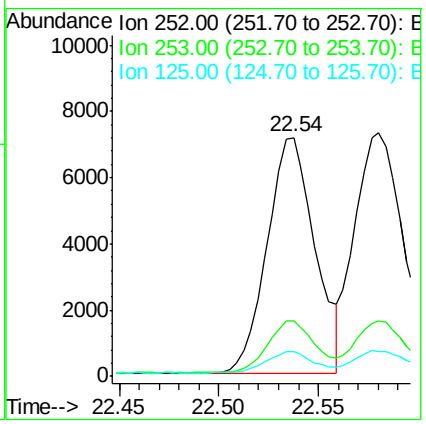


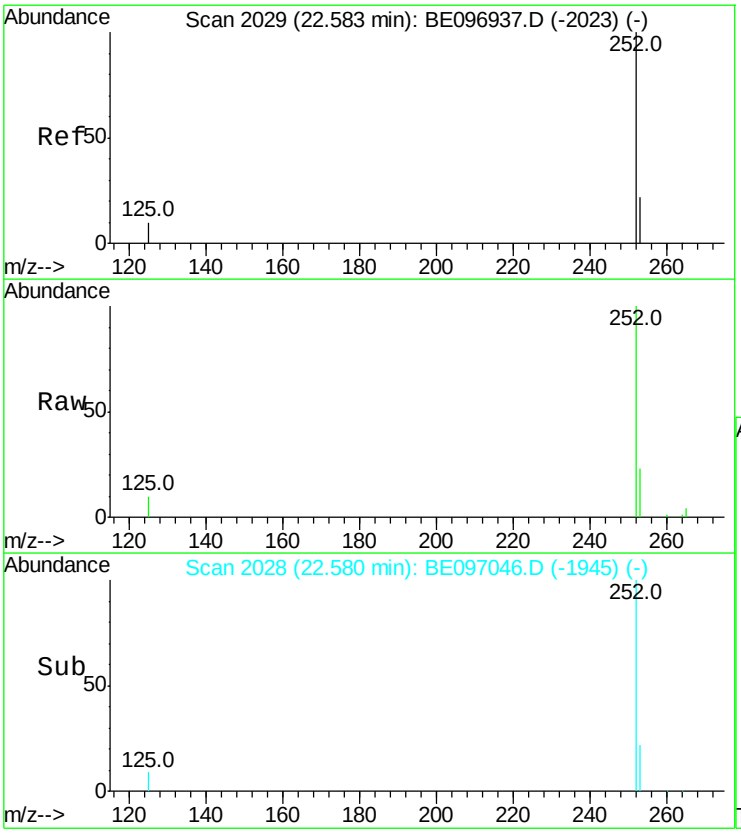
#35
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11924

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	10.4	16.0	24.0#

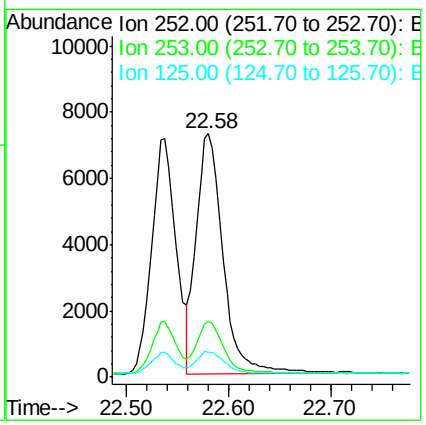


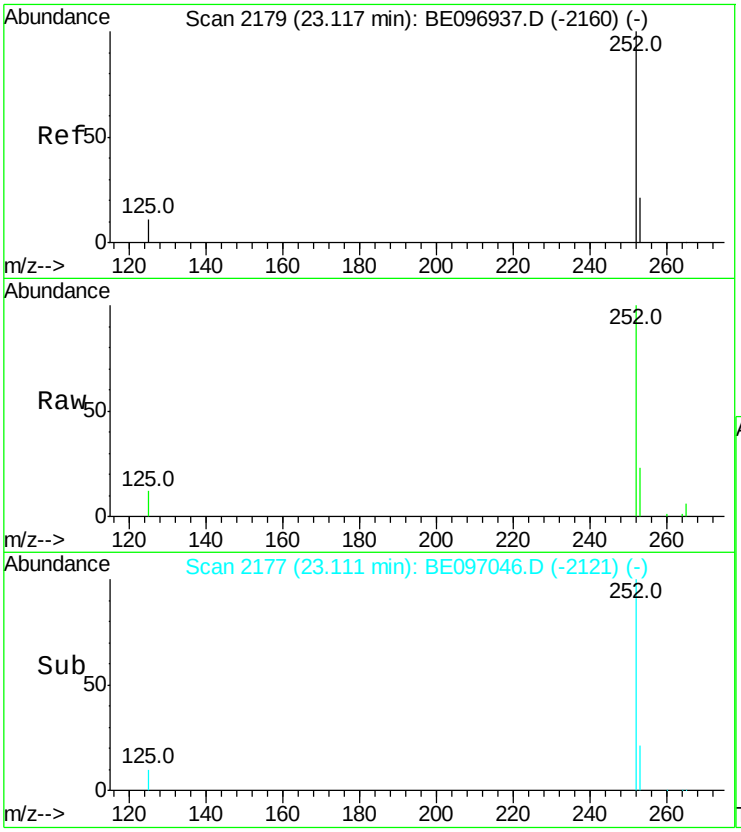


#36
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:252 Resp: 13113

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	10.4	8.0	12.0



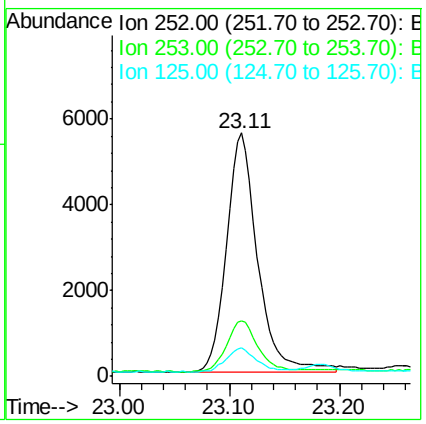


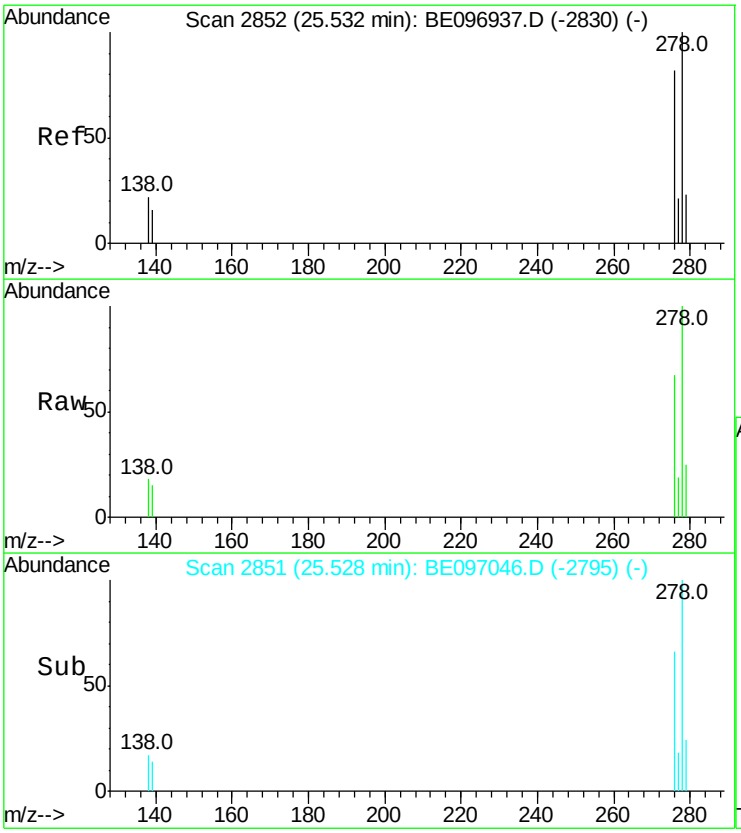
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11009

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.0	24.0
125	11.5	12.0	18.0#

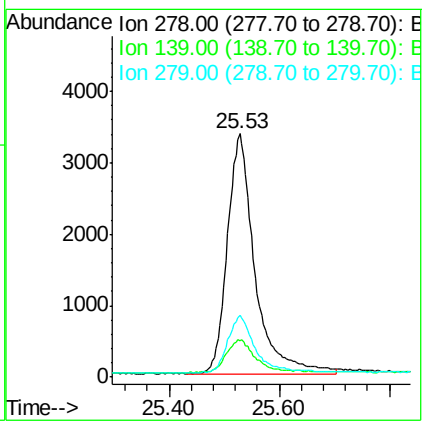


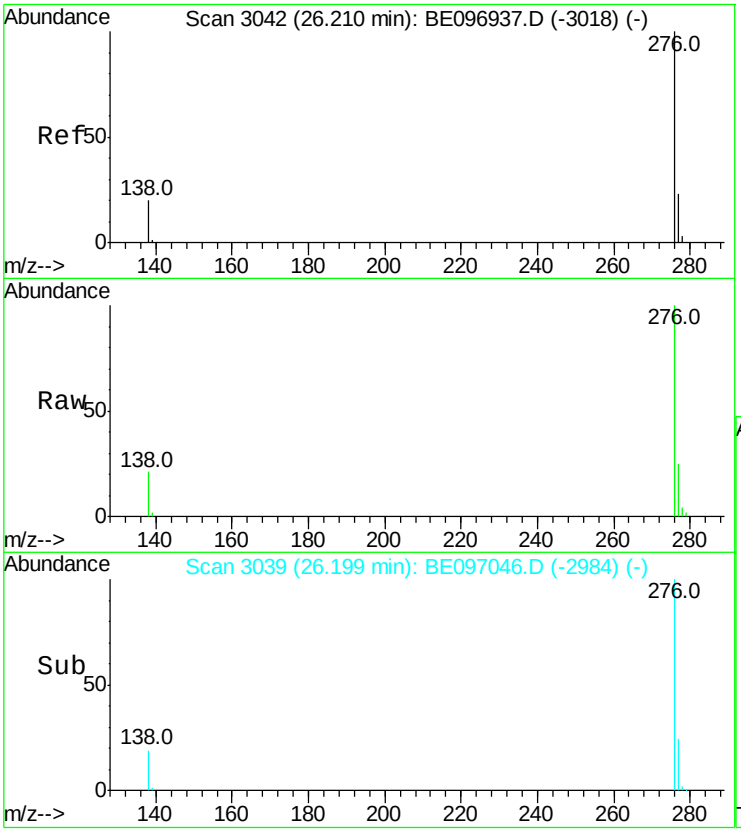


#38
Dibenzo(a,h)anthracene
Concen: 0.498 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:278 Resp: 11661

Ion	Ratio	Lower	Upper
278	100		
139	15.1	16.0	24.0#
279	25.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.472 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 12026

Ion	Ratio	Lower	Upper
276	100		
277	25.0	16.0	24.0#
138	20.6	20.0	30.0