Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\
Data File : BE096825.D
Acq On : 19 Jun 2018 1:25
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 19 02:17:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 18 13:28:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2902	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	14577	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	8537	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	22616	0.40	ng		0.00
27) Chrysene-d12	20.98	240	21694	0.40	ng		0.00
34) Perylene-d12	23.22	264	22134	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	3380	0.53	ng		-0.01
5) Phenol-d6	6.60	99	5198	0.55	ng		0.00
8) Nitrobenzene-d5	8.53	82	4122	0.51	ng		0.00
11) 2-Methylnaphthalene-d10	11.74	152	8782	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	1129	0.58	ng		0.01
15) 2-Fluorobiphenyl	12.64	172	12247	0.35	ng		0.00
25) Fluoranthene-d10	18.82	212	87351	0.39	ng		0.00
29) Terphenyl-d14	19.44	244	17205	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	1669	0.355	ng	#	81
3) n-Nitrosodimethylamine	3.38	42	2024	0.409	ng	#	92
6) bis(2-Chloroethyl)ether	6.85	93	4456	0.398	ng		94
9) Naphthalene	10.20	128	53446	0.373	ng		100
10) Hexachlorobutadiene	10.50	225	2187	0.366	ng		95
12) 2-Methylnaphthalene	11.81	142	8924	0.372	ng		99
16) Acenaphthylene	13.74	152	15185	0.377	ng		100
17) Acenaphthene	14.08	154	9872	0.365	ng		97
18) Fluorene	15.08	166	11890	0.372	ng	#	80
20) 4-Bromophenyl-phenylether	15.98	248	4066	0.369	ng	#	84
21) Hexachlorobenzene	16.09	284	4398	0.340	ng	#	78
22) Pentachlorophenol	16.43	266	1526	0.662	ng	#	72
23) Phenanthrene	16.81	178	21837	0.355	ng		98
24) Anthracene	16.91	178	19231	0.381	ng		95
26) Fluoranthene	18.84	202	24733	0.380	ng		99
28) Pyrene	19.21	202	25304	0.355	ng		99
30) Benzo(a)anthracene	20.97	228	22805	0.434	ng		96
31) Chrysene	21.01	228	23591	0.356	ng		100
32) Bis(2-ethylhexyl)phthalate	20.94	149	34718	0.879	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	23770	0.478	ng		96
35) Benzo(b)fluoranthene	22.54	252	22452	0.369	ng	#	88
36) Benzo(k)fluoranthene	22.59	252	23440	0.324	ng		96
37) Benzo(a)pyrene	23.12	252	21015	0.398	ng		94
38) Dibenzo(a,h)anthracene	25.54	278	19799	0.392	ng		97
39) Benzo(g,h,i)perylene	26.21	276	20641	0.368	ng		93

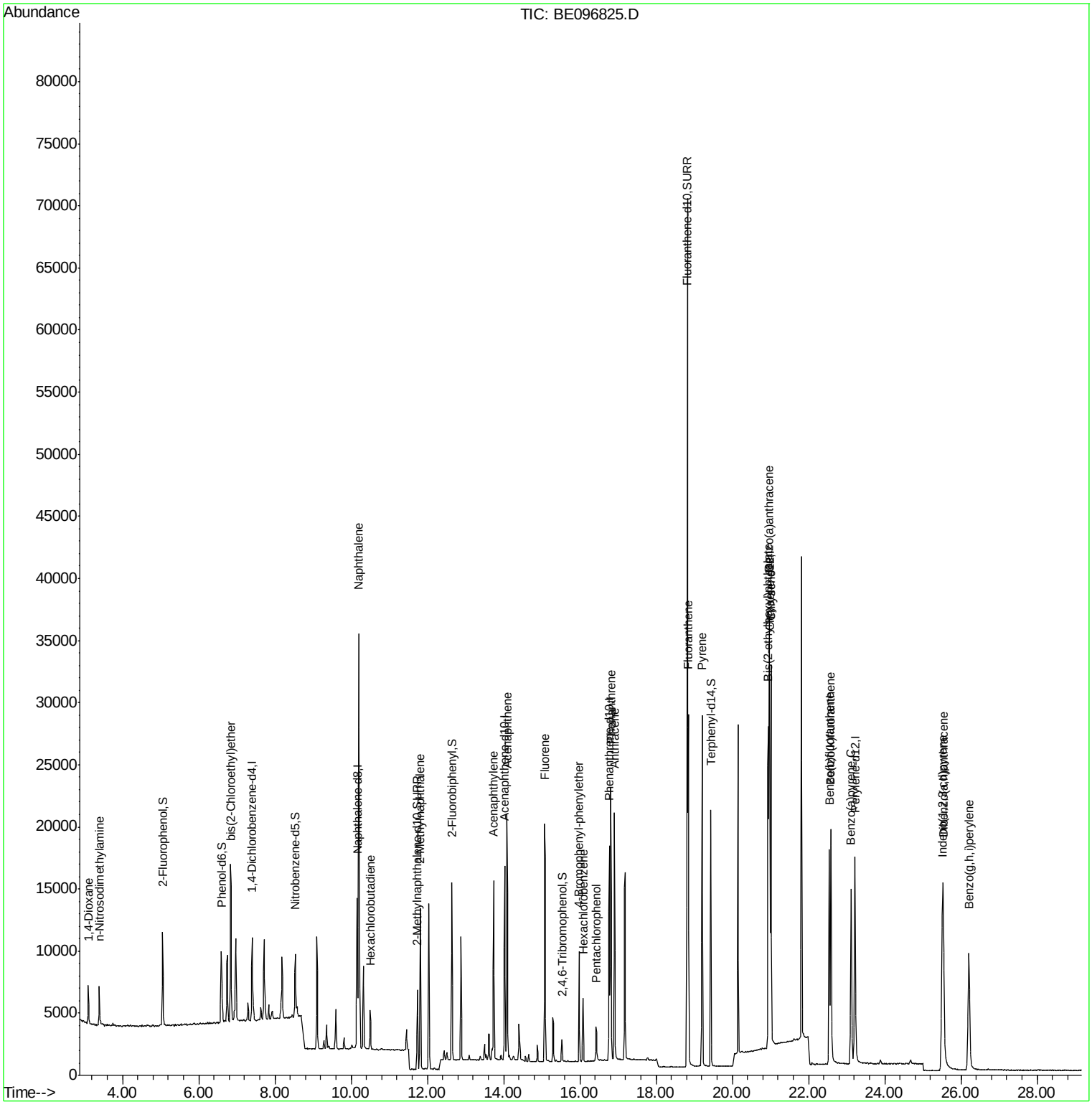
(#) = qualifier out of range (m) = manual integration (+) = signals summed

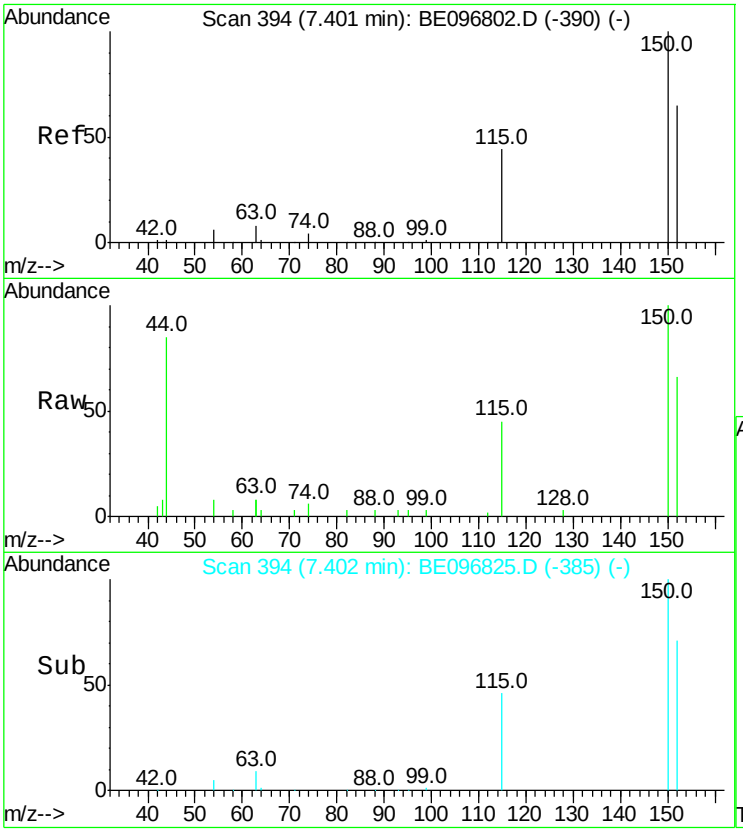
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\
Data File : BE096825.D
Acq On : 19 Jun 2018 1:25
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 19 02:17:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 18 13:28:13 2018
Response via : Initial Calibration



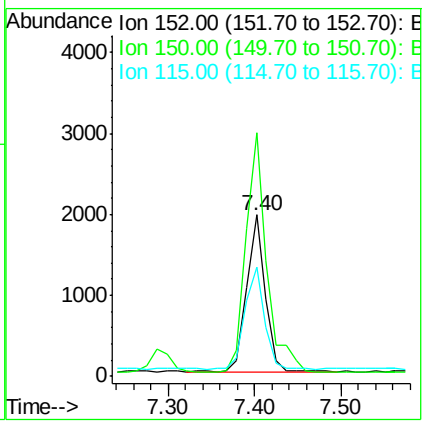


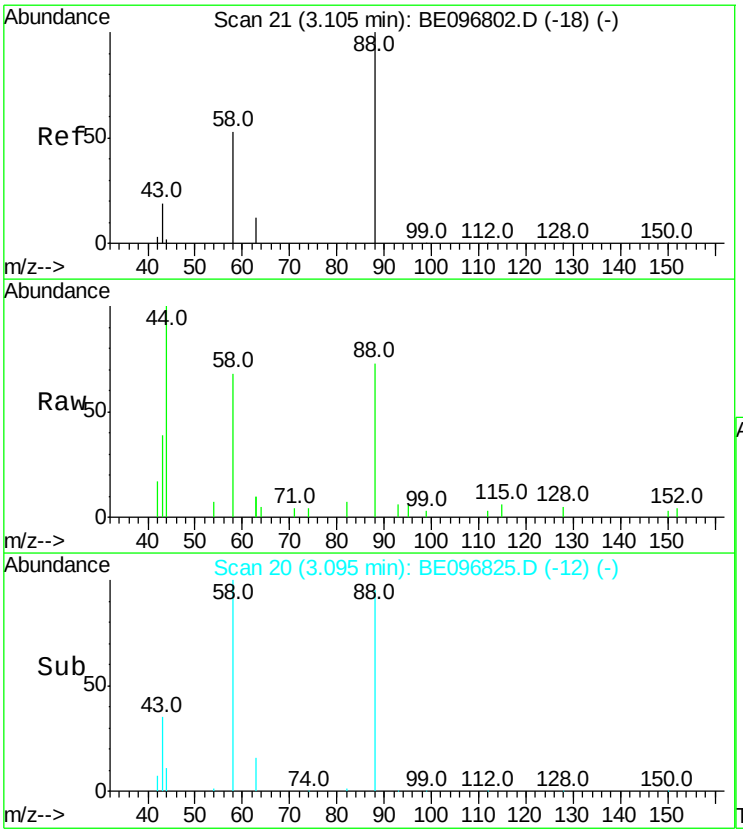
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2902

Ion	Ratio	Lower	Upper
152	100		
150	150.8	117.2	175.8
115	67.8	57.0	85.6

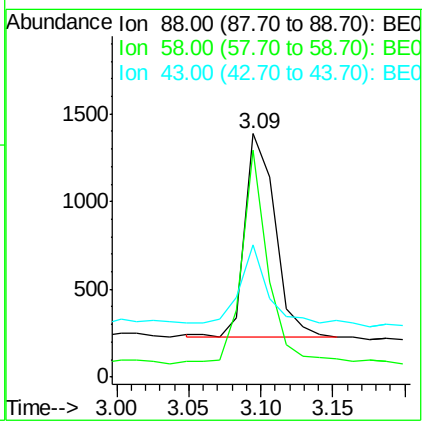


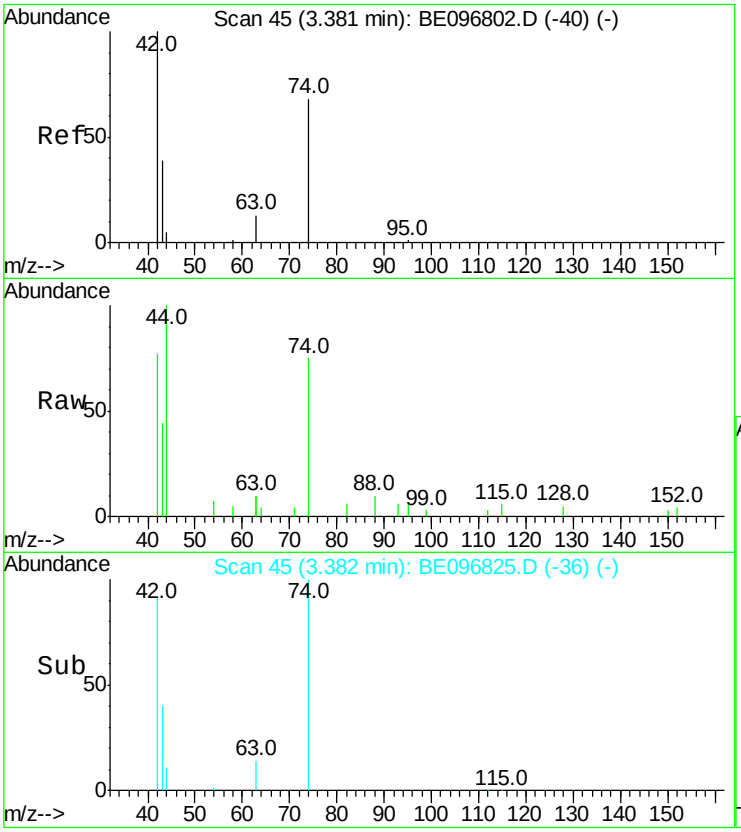


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.01 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion: 88 Resp: 1669

Ion	Ratio	Lower	Upper
88	100		
58	93.3	63.2	94.8
43	35.0	41.2	61.8#



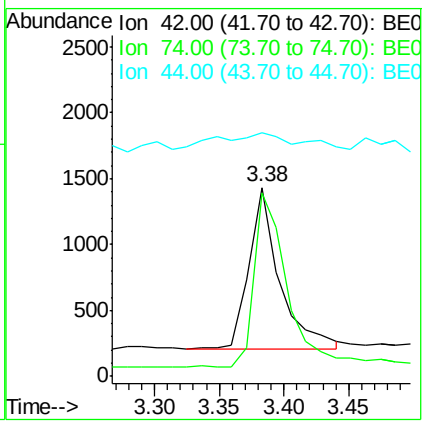


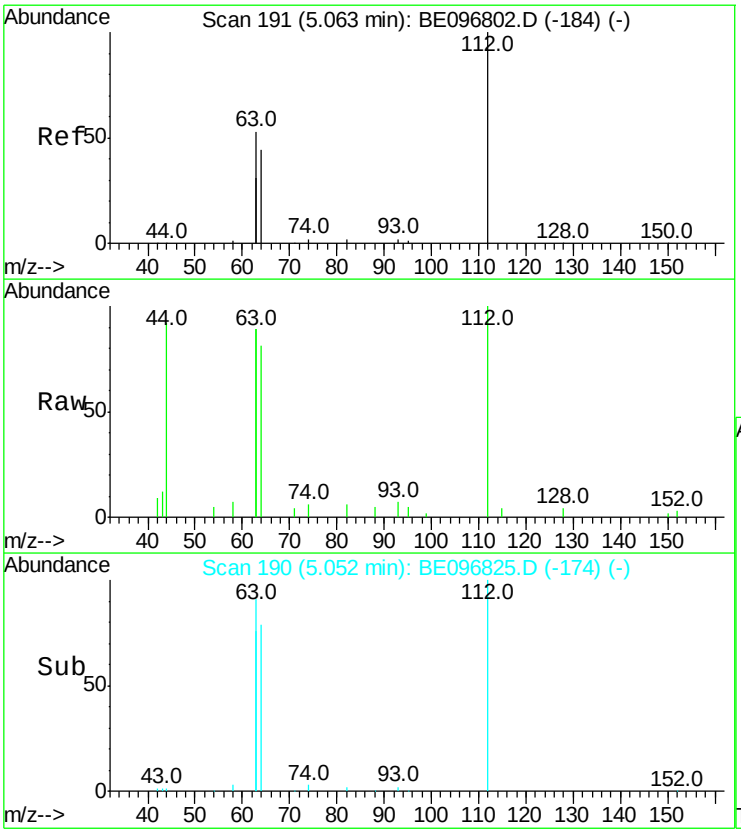
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2024

Ion	Ratio	Lower	Upper
42	100		
74	113.7	96.0	144.0
44	25.3	12.0	18.0#

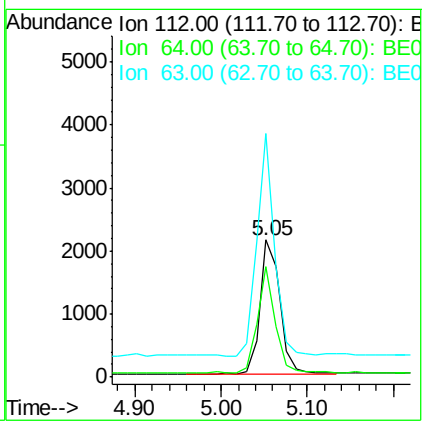


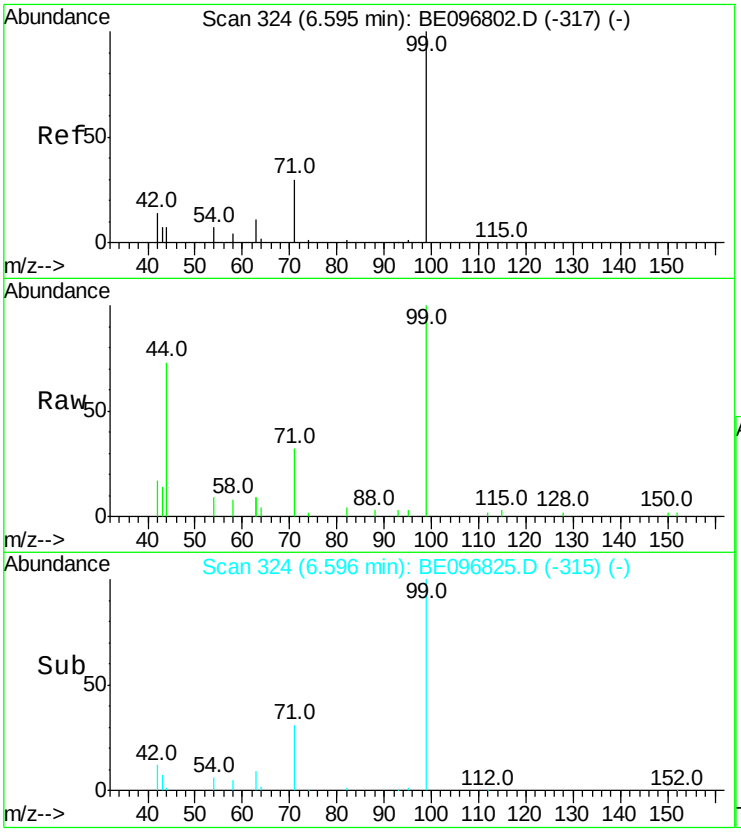


#4
2-Fluorophenol
Concen: 0.533 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.01 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:112 Resp: 3380

Ion	Ratio	Lower	Upper
112	100		
64	72.2	60.1	90.1
63	147.7	116.8	175.2



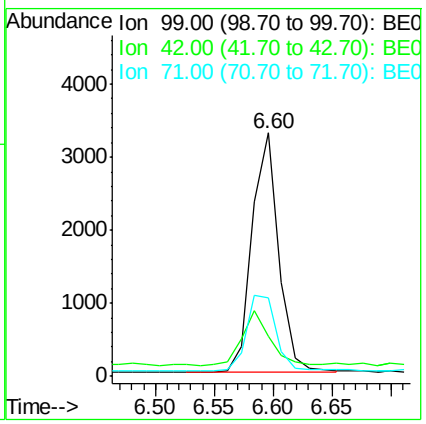


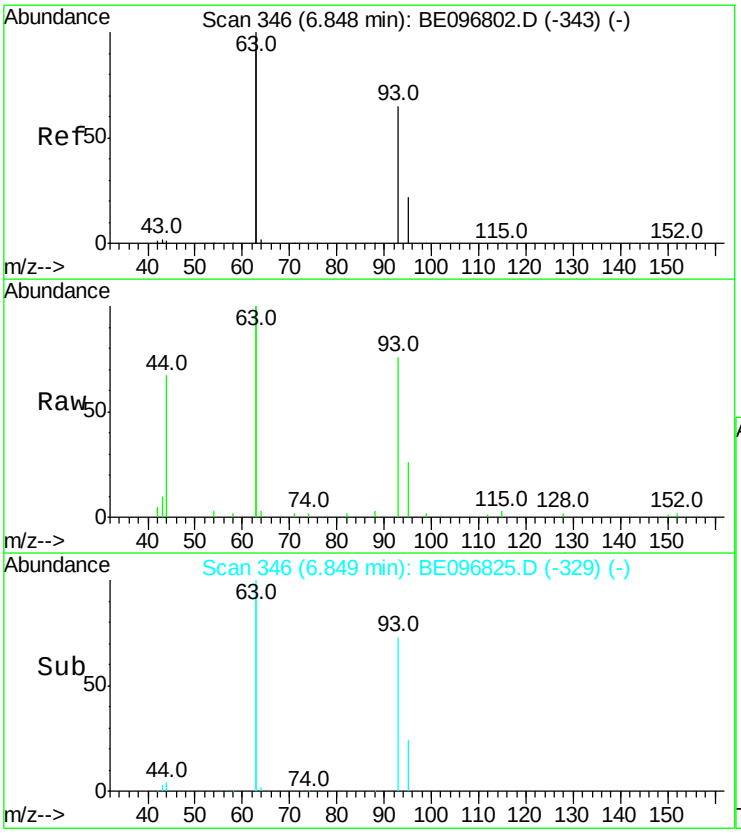
#5
Phenol-d6
Concen: 0.547 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5198

Ion	Ratio	Lower	Upper
99	100		
42	22.9	20.2	30.2
71	35.7	28.4	42.6

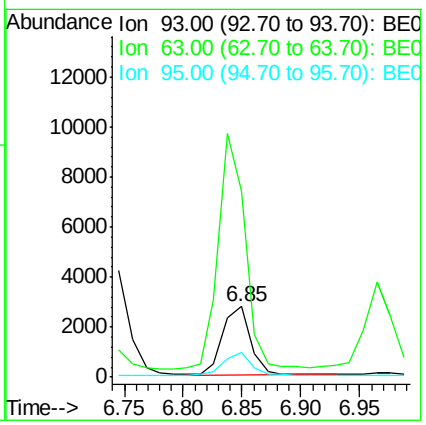


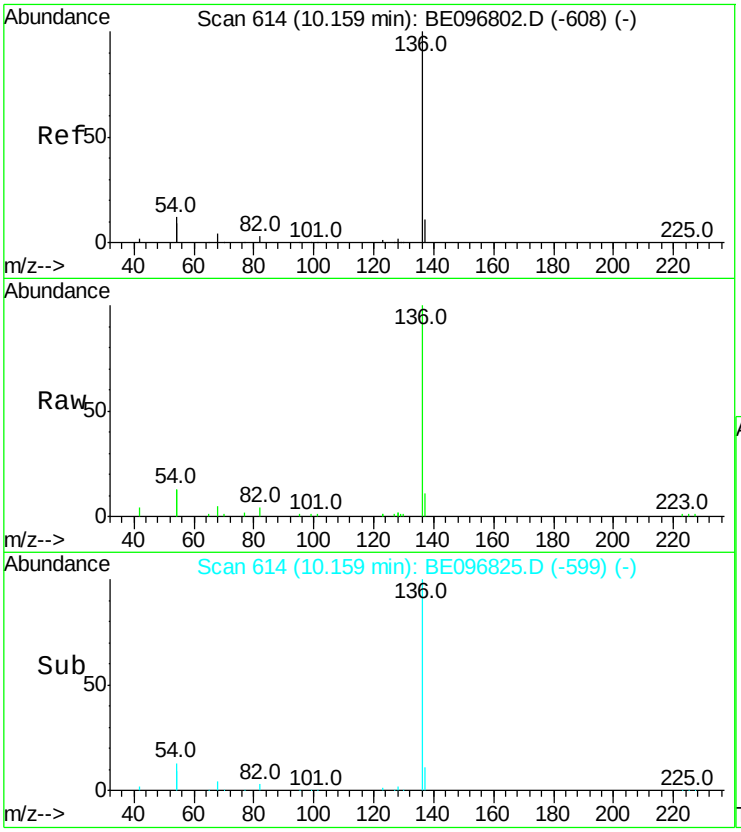


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 6.85 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion: 93 Resp: 4456

Ion	Ratio	Lower	Upper
93	100		
63	330.9	275.3	412.9
95	31.8	25.2	37.8



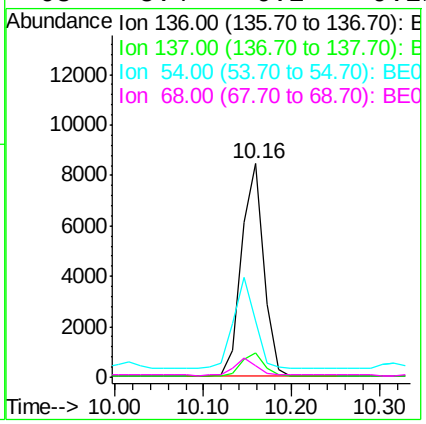


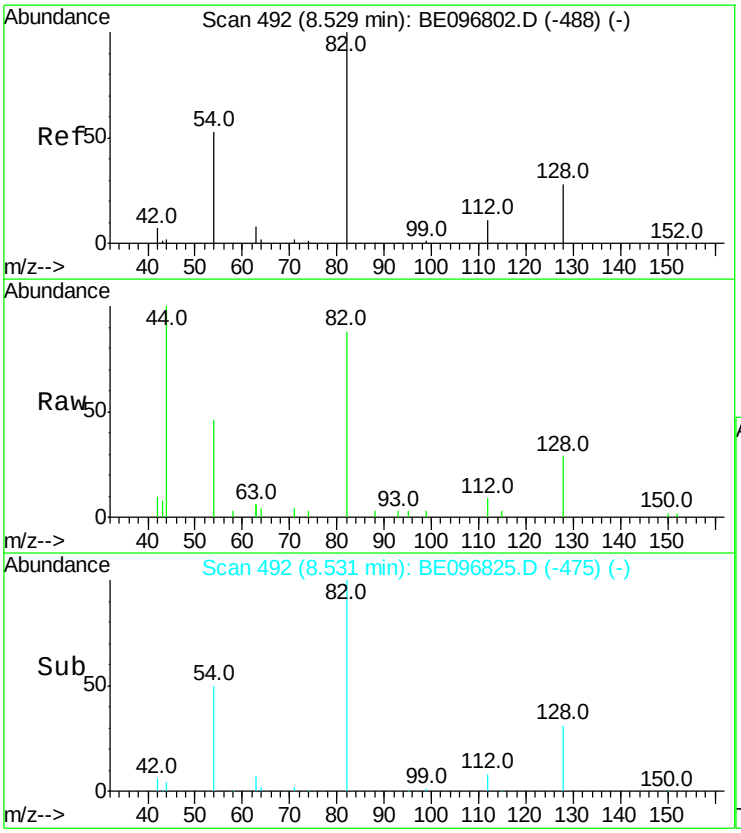
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 14577

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	26.2	29.1	43.7#
68	5.4	6.2	9.2#

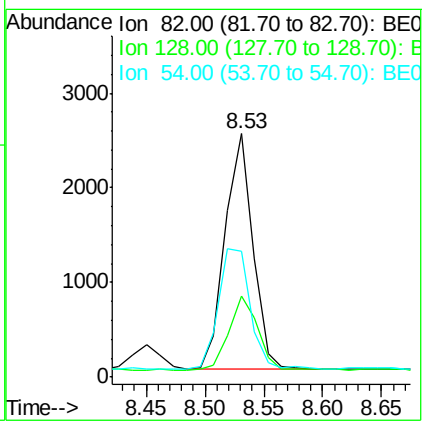


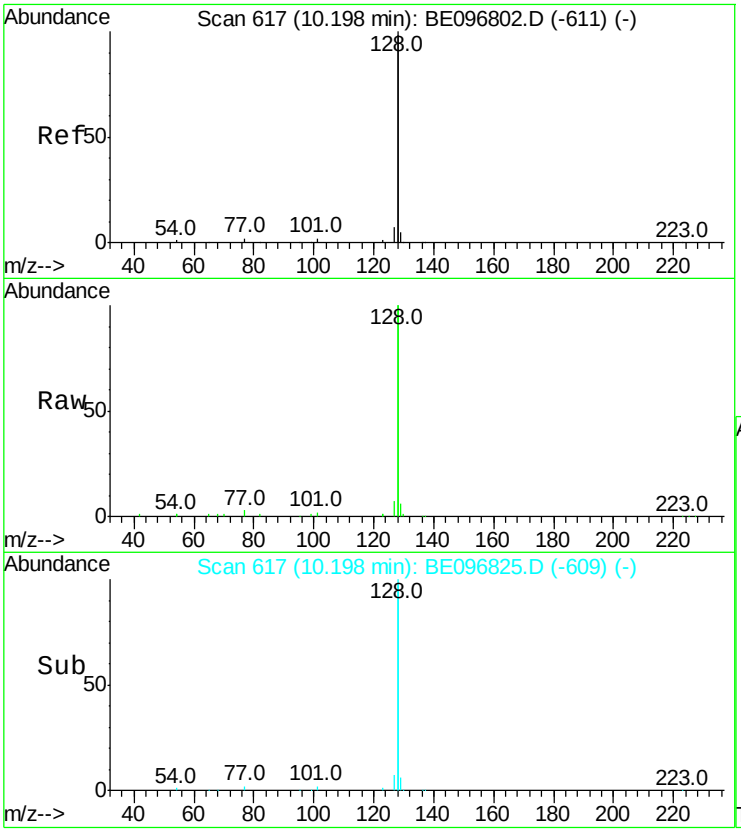


#8
Nitrobenzene-d5
Concen: 0.508 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion: 82 Resp: 4122

Ion	Ratio	Lower	Upper
82	100		
128	33.2	24.0	36.0
54	51.8	40.0	60.0



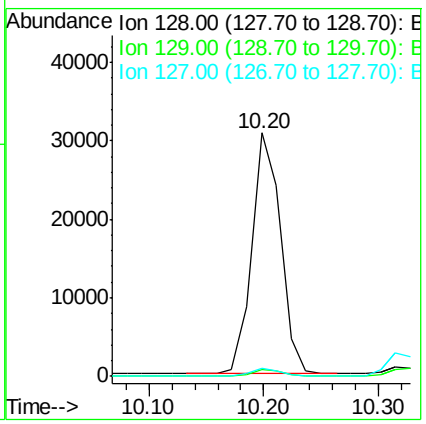


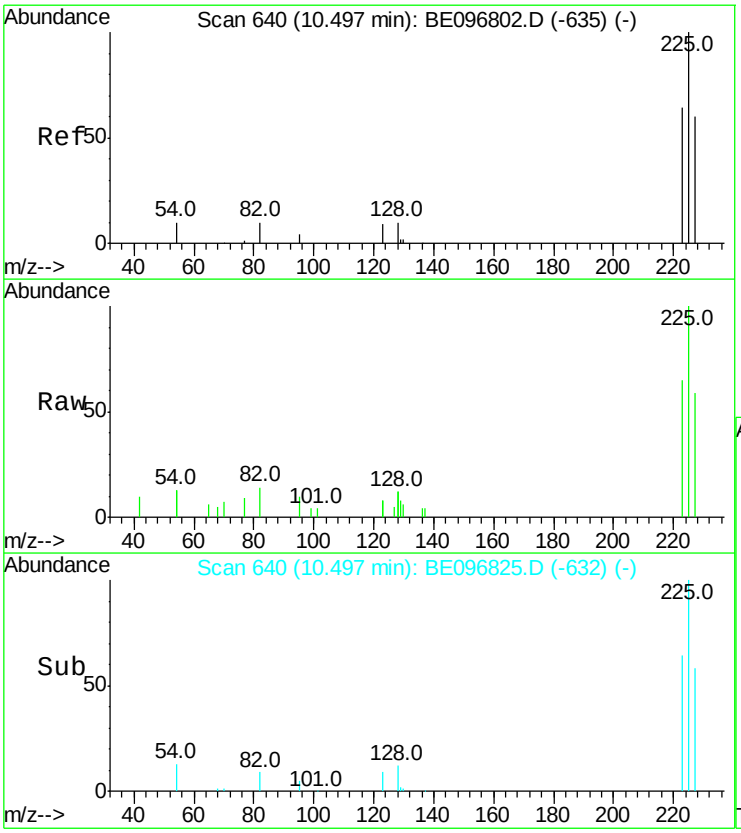
#9
Naphthalene
Concen: 0.373 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 53446

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.5	2.8	4.2

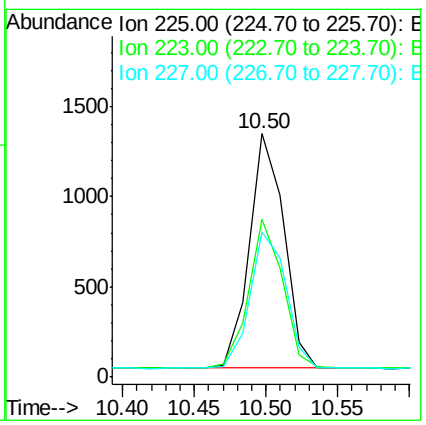


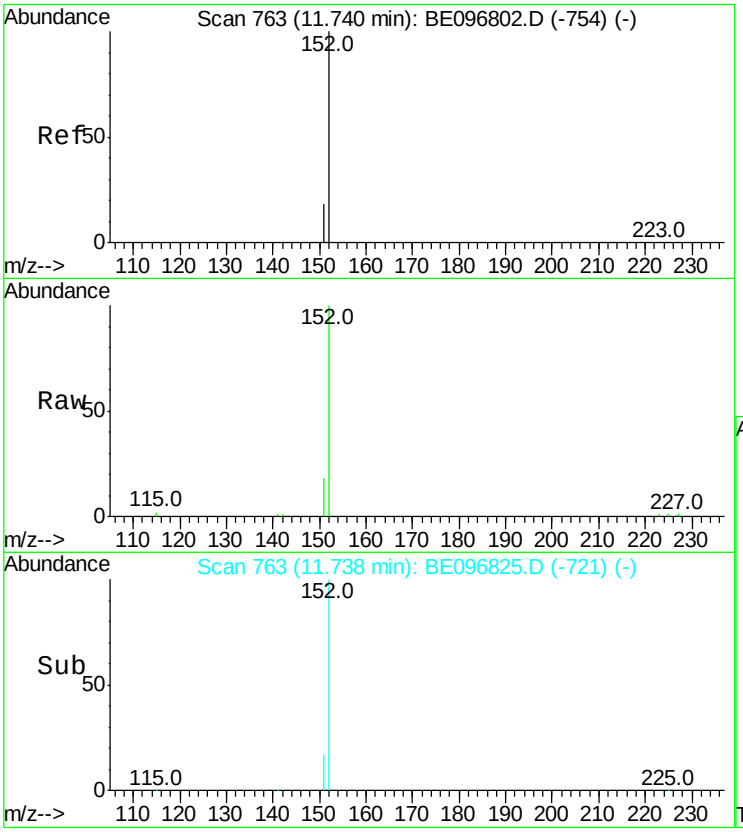


#10
Hexachlorobutadiene
Concen: 0.366 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:225 Resp: 2187

Ion	Ratio	Lower	Upper
225	100		
223	61.8	53.0	79.6
227	60.8	51.4	77.2



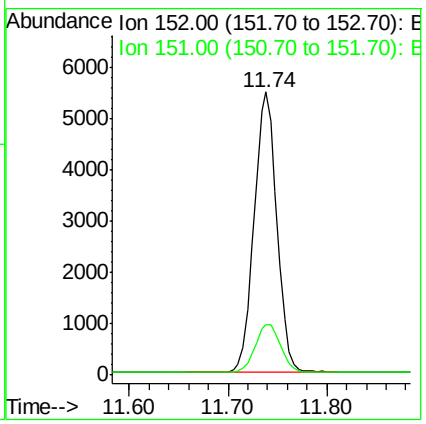


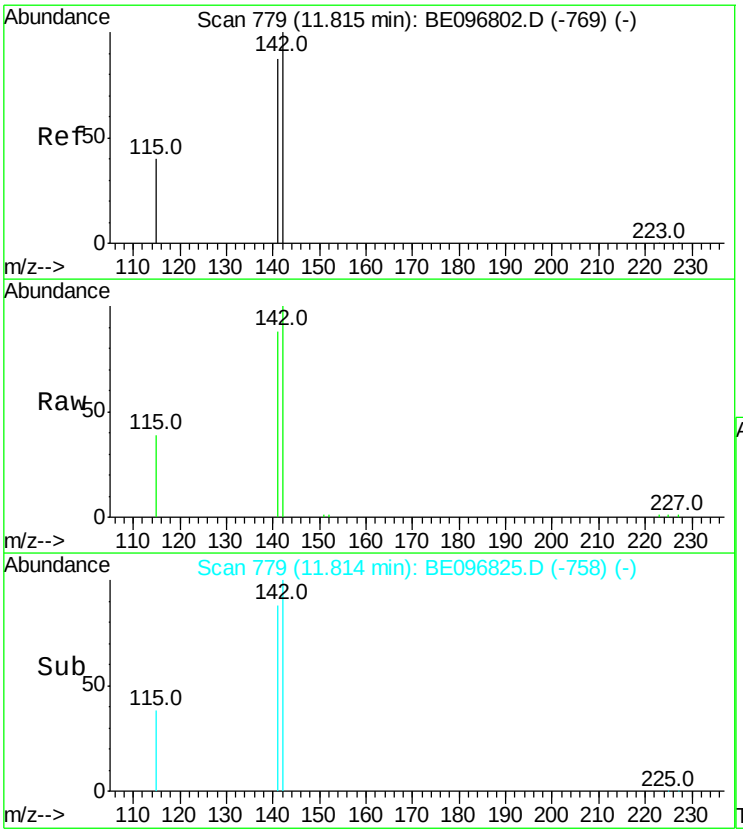
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 11.74 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8782

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

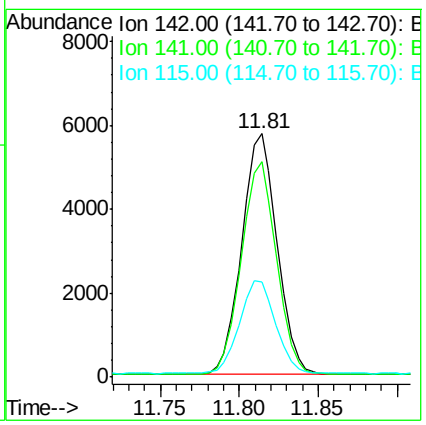


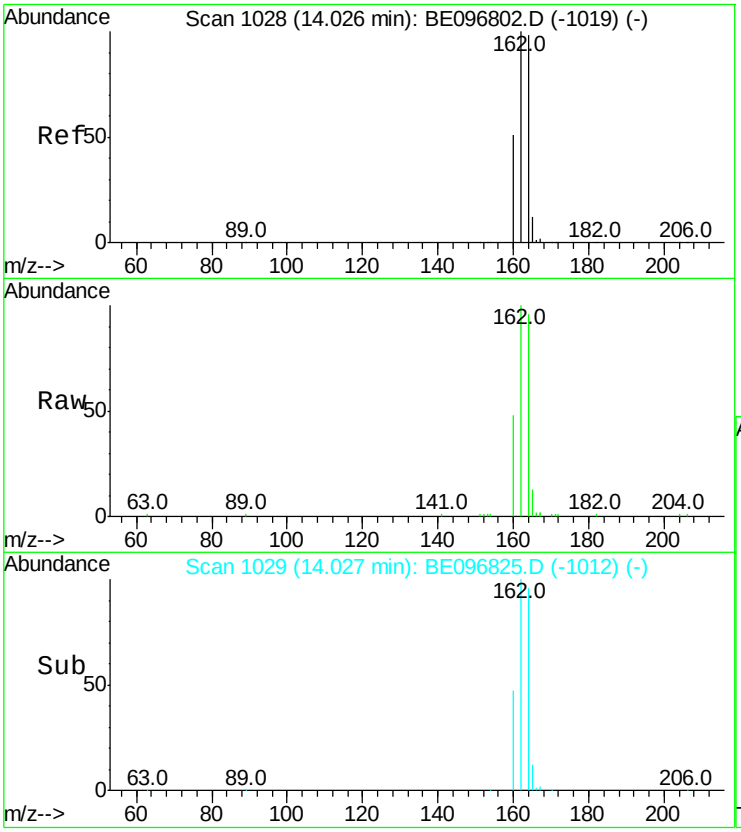


#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 11.81 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:142 Resp: 8924

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6
115	38.9	31.7	47.5



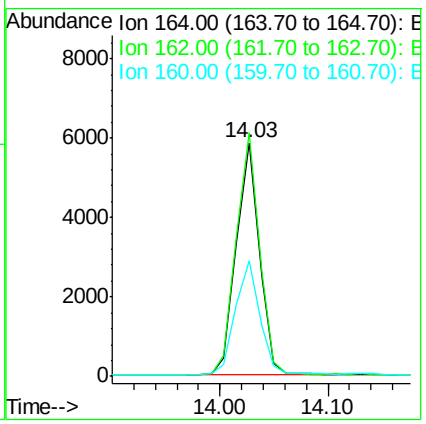


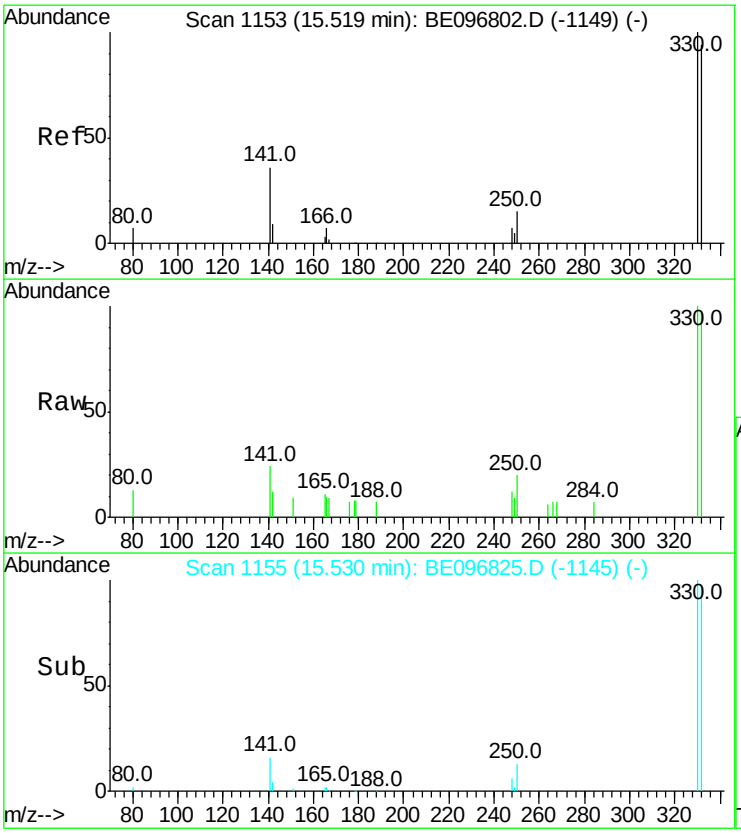
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8537

Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.1	124.7
160	49.6	37.1	55.7

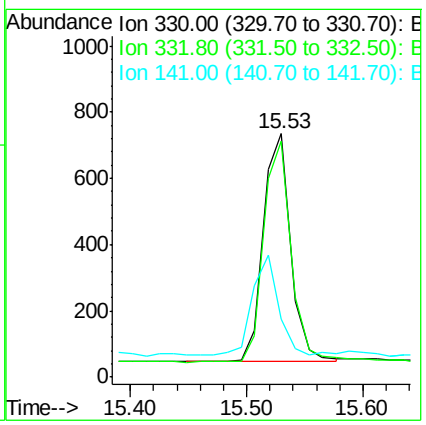


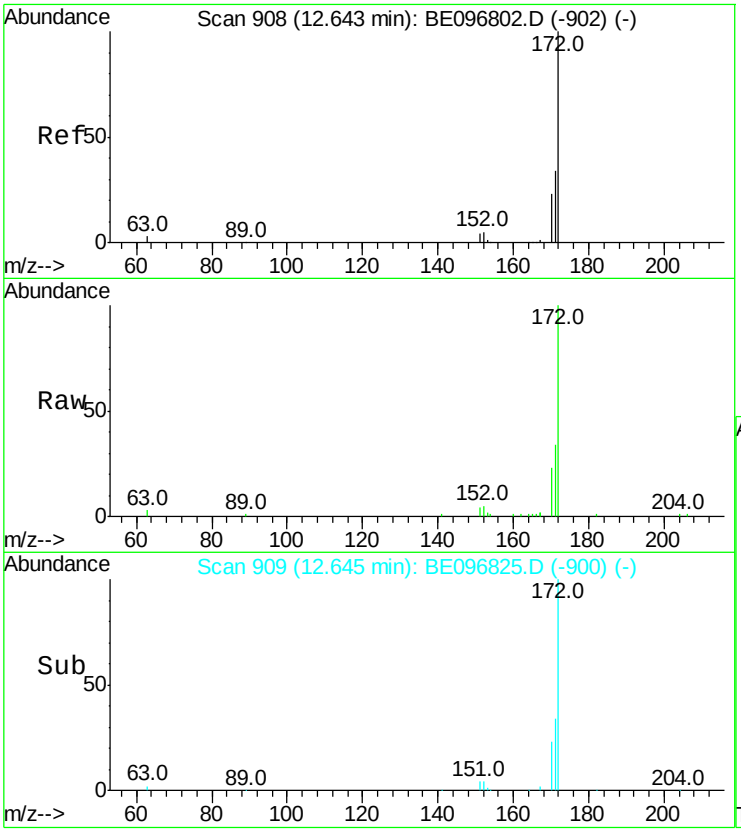


#14
2,4,6-Tribromophenol
Concen: 0.580 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:330 Resp: 1129

Ion	Ratio	Lower	Upper
330	100		
332	97.5	152.7	229.1#
141	42.9	33.7	50.5



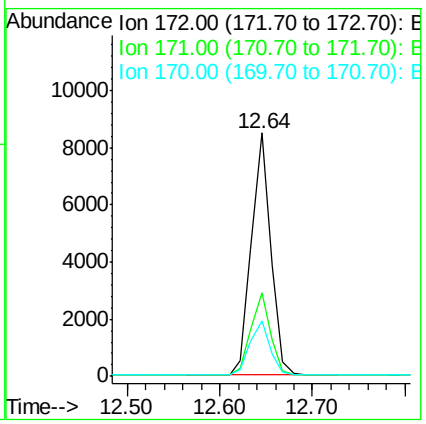


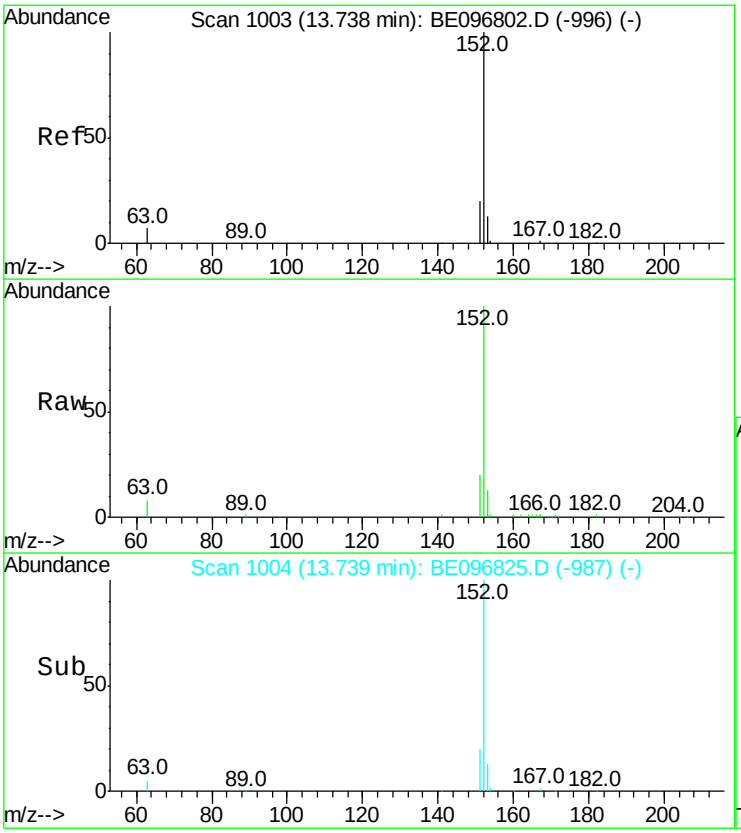
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 12247

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.9	44.9
170	23.0	21.8	32.8

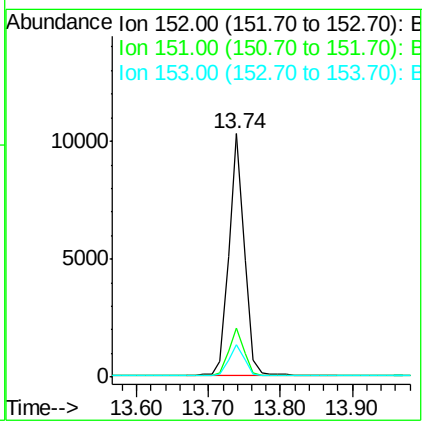


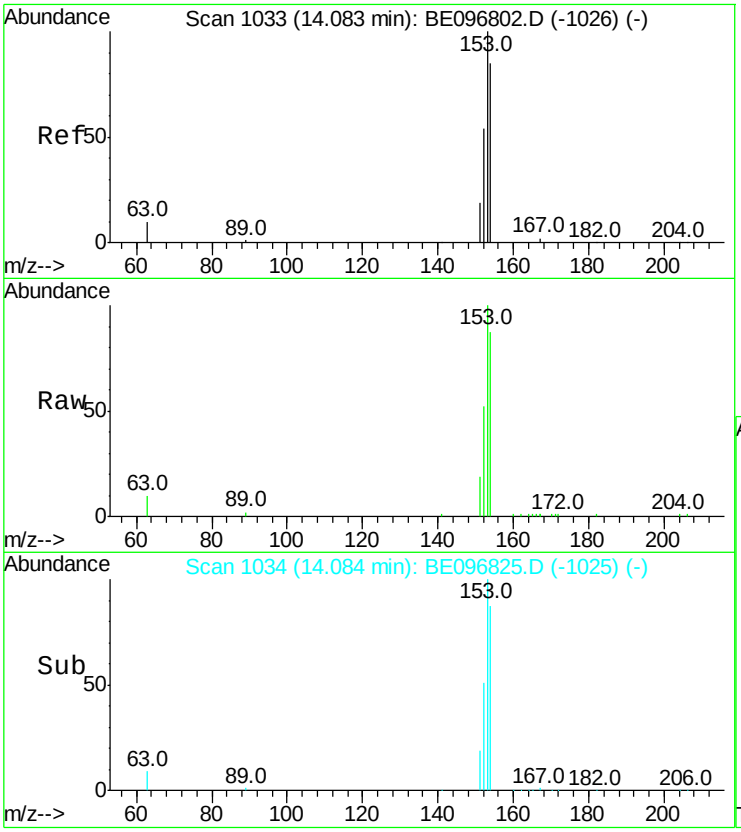


#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:152 Resp: 15185

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.0	10.5	15.7



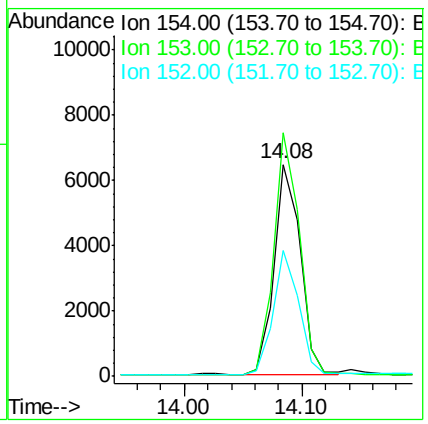


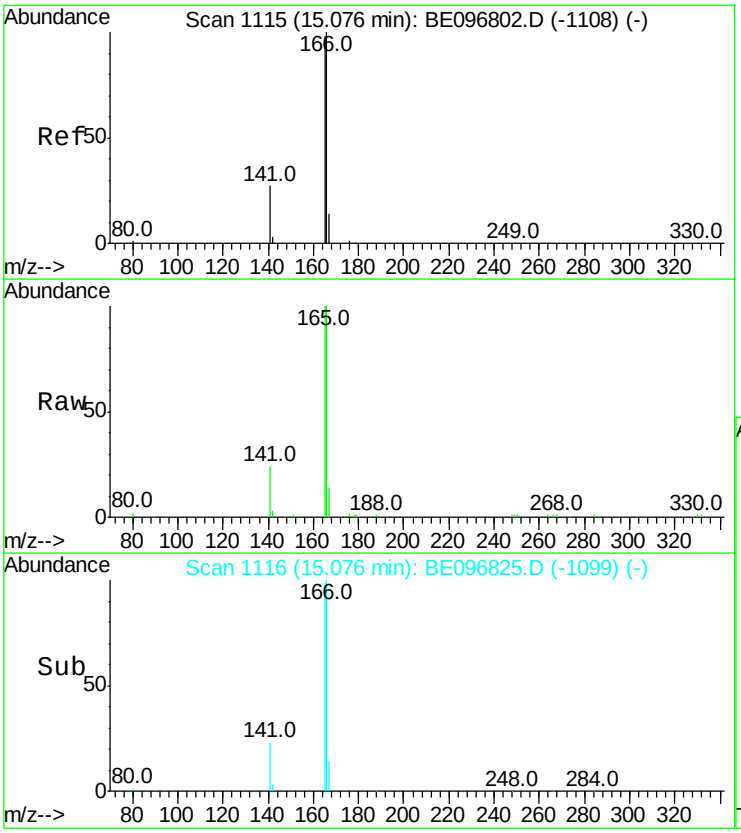
#17
Acenaphthene
Concen: 0.365 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9872

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.2	133.8
152	57.4	42.0	63.0

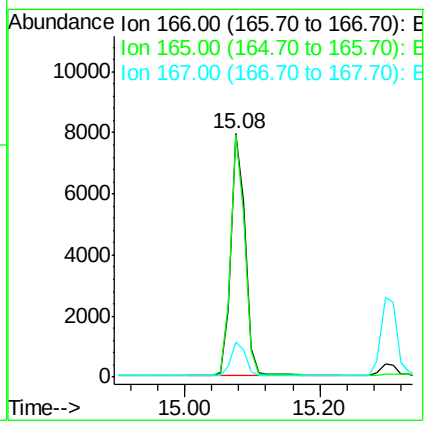


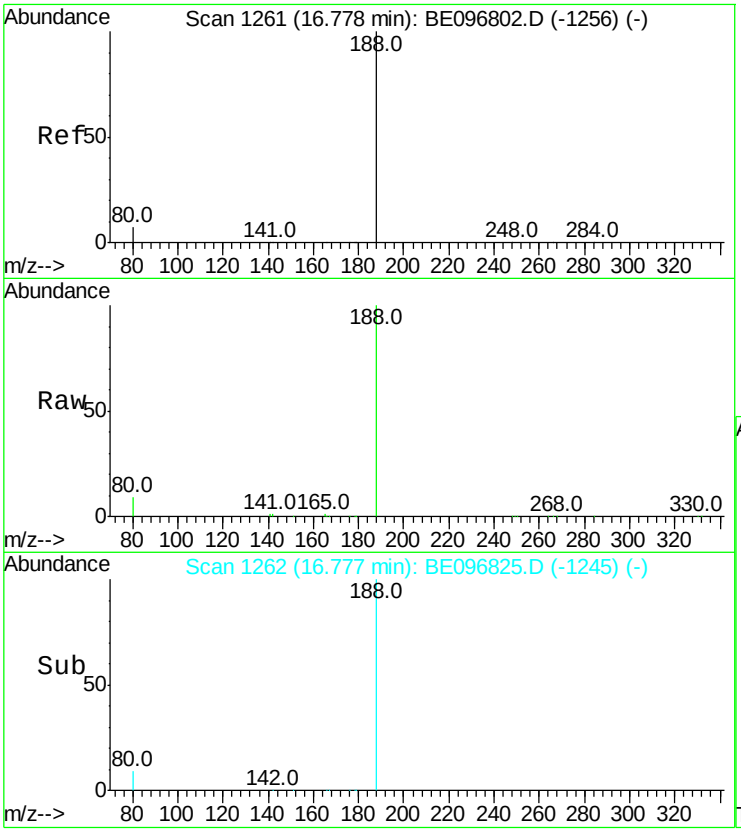


#18
Fluorene
Concen: 0.372 ng
RT: 15.08 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:166 Resp: 11890

Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.8	116.6
167	14.4	42.4	63.6#



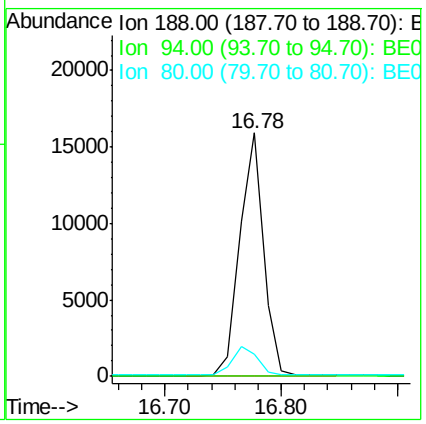


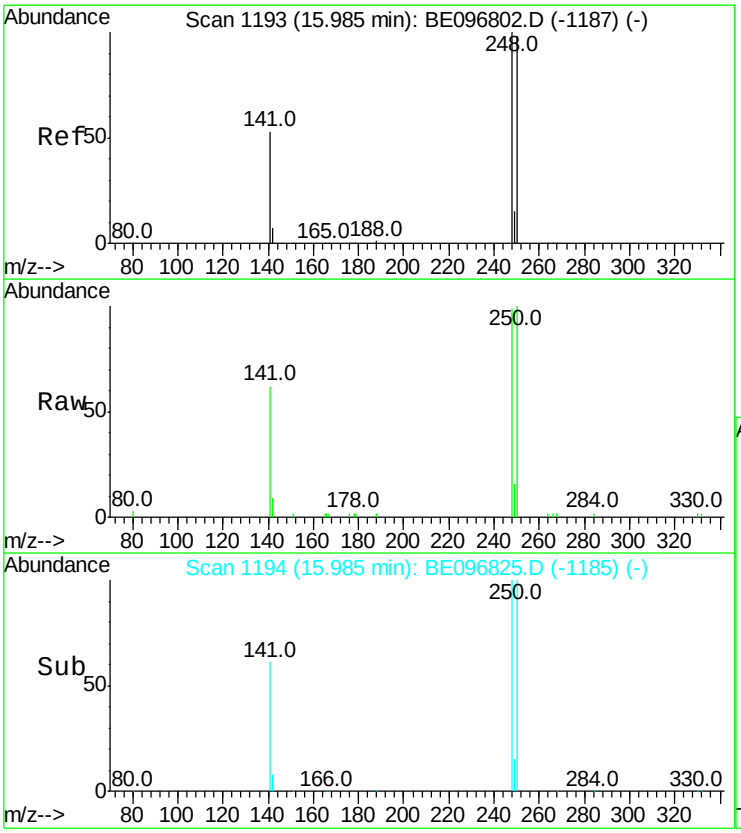
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 22616

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.2	3.6	5.4#

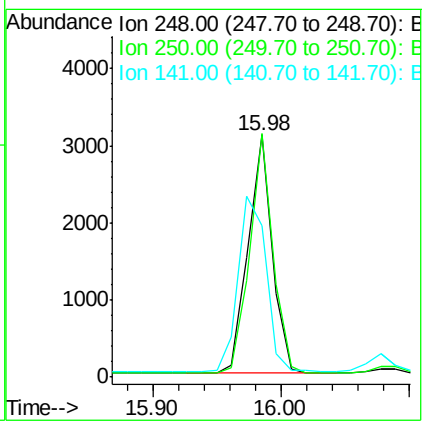


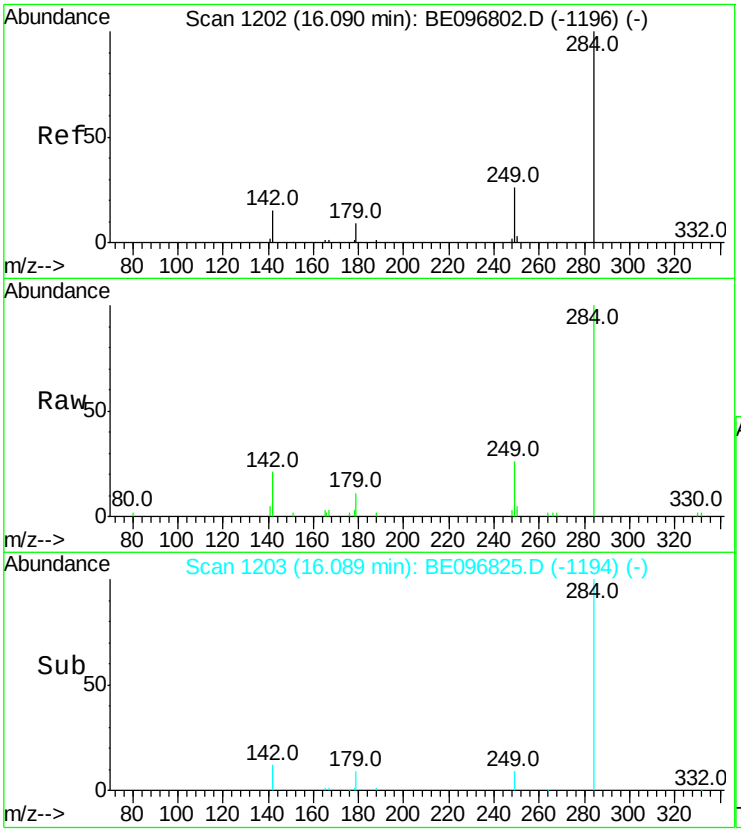


#20
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:248 Resp: 4066

Ion	Ratio	Lower	Upper
248	100		
250	100.5	62.7	94.1#
141	62.3	48.2	72.2



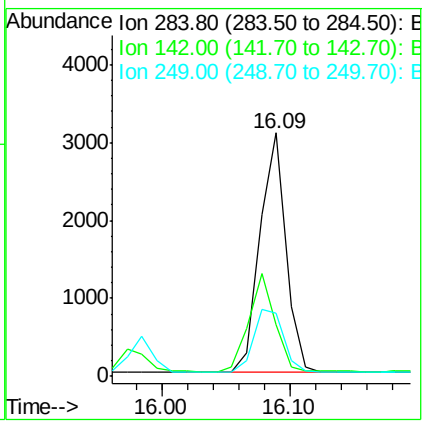


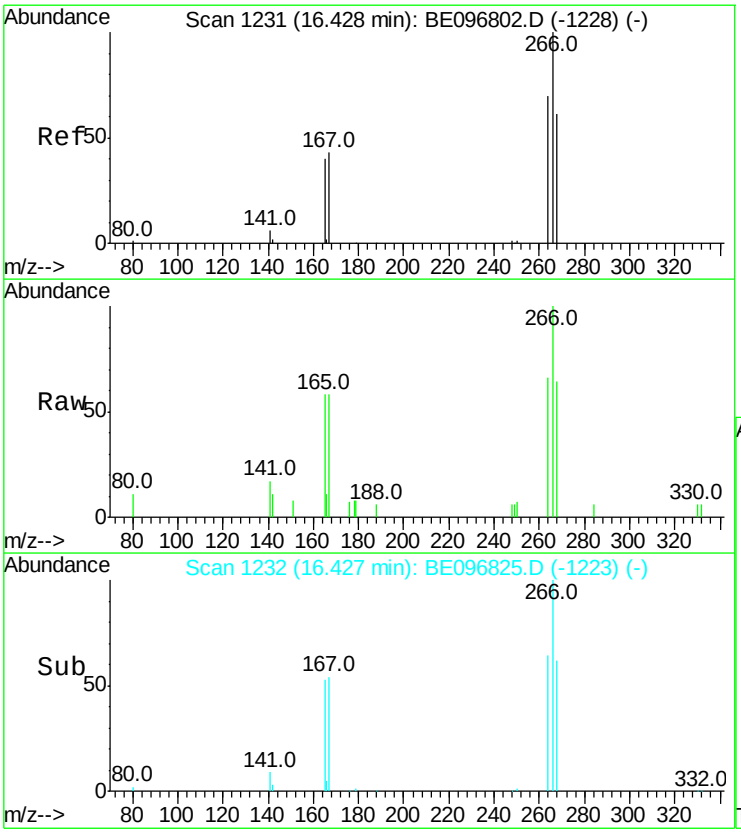
#21
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.09 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4398

Ion	Ratio	Lower	Upper
284	100		
142	40.5	22.1	33.1#
249	30.3	34.8	52.2#

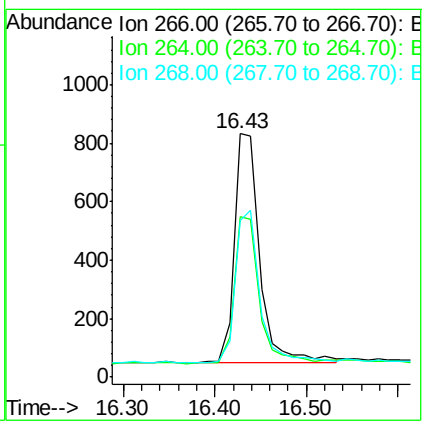


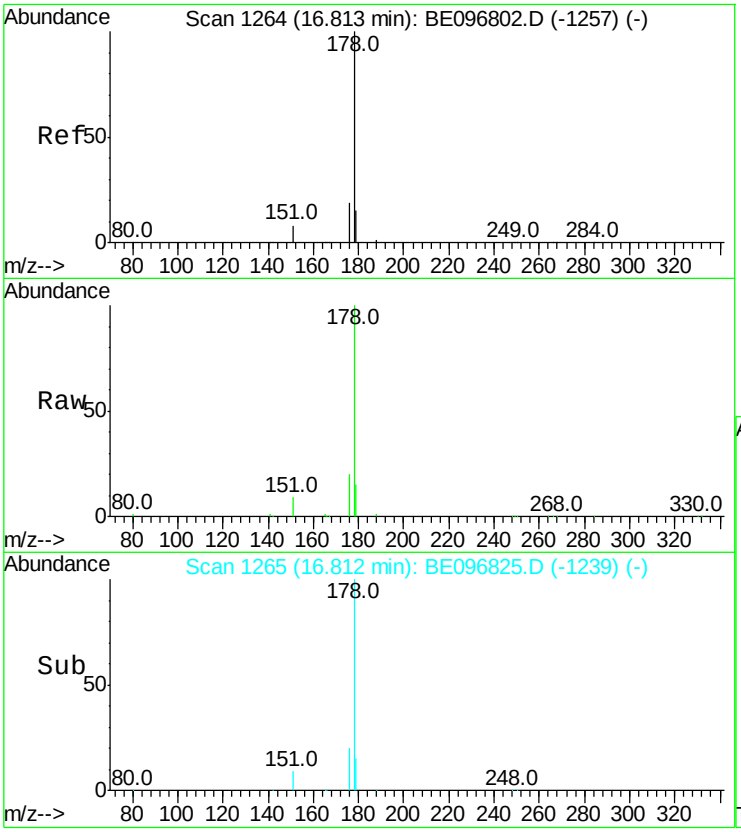


#22
Pentachlorophenol
Concen: 0.662 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:266 Resp: 1526

Ion	Ratio	Lower	Upper
266	100		
264	65.8	72.5	108.7#
268	64.5	73.8	110.6#



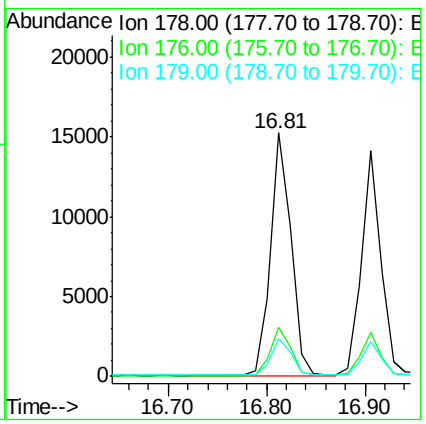


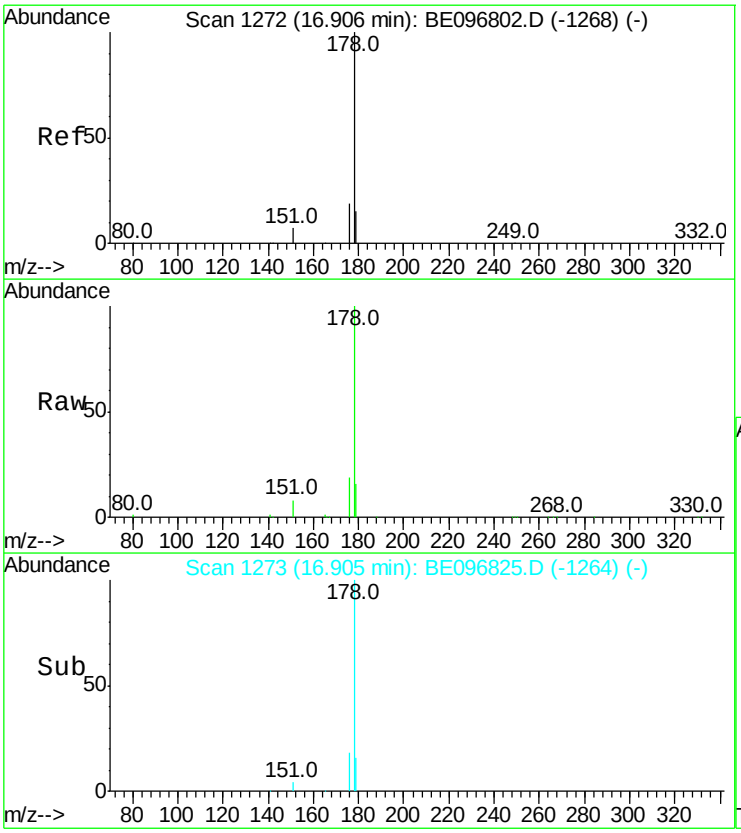
#23
Phenanthrene
Concen: 0.355 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 21837

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.2	11.8	17.6

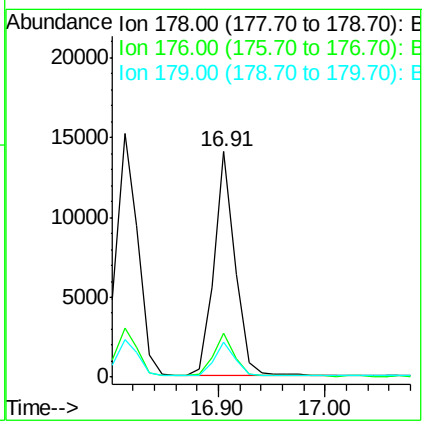


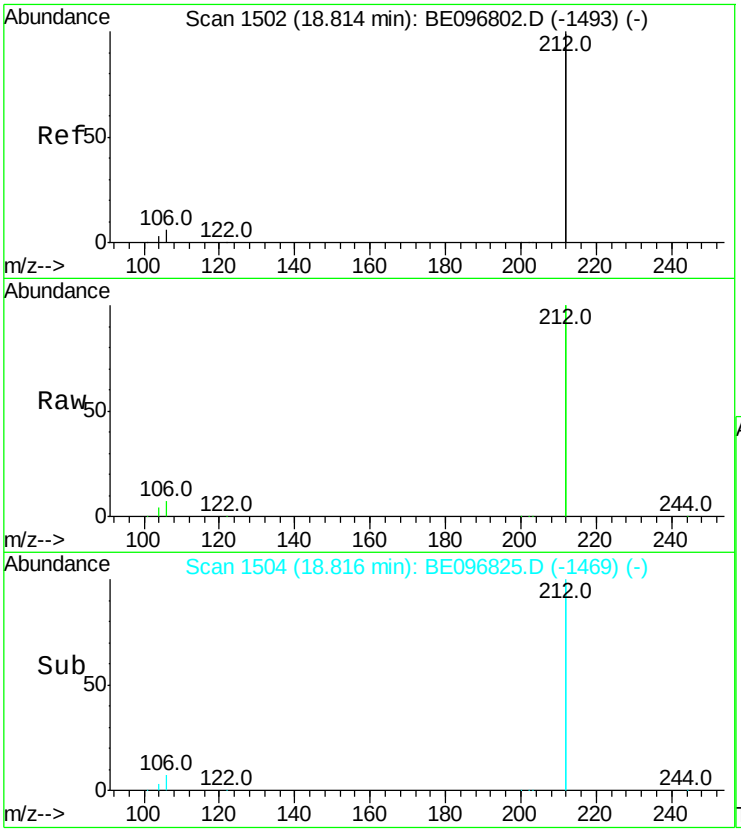


#24
Anthracene
Concen: 0.381 ng
RT: 16.91 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:178 Resp: 19231

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.5	13.0	19.6



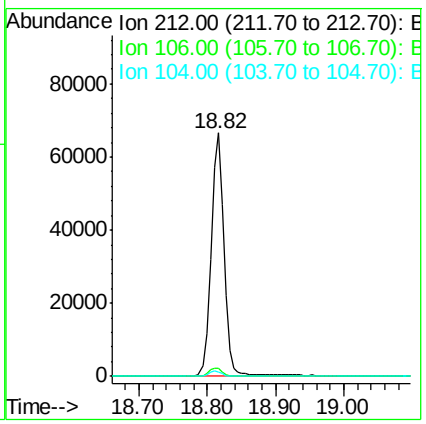


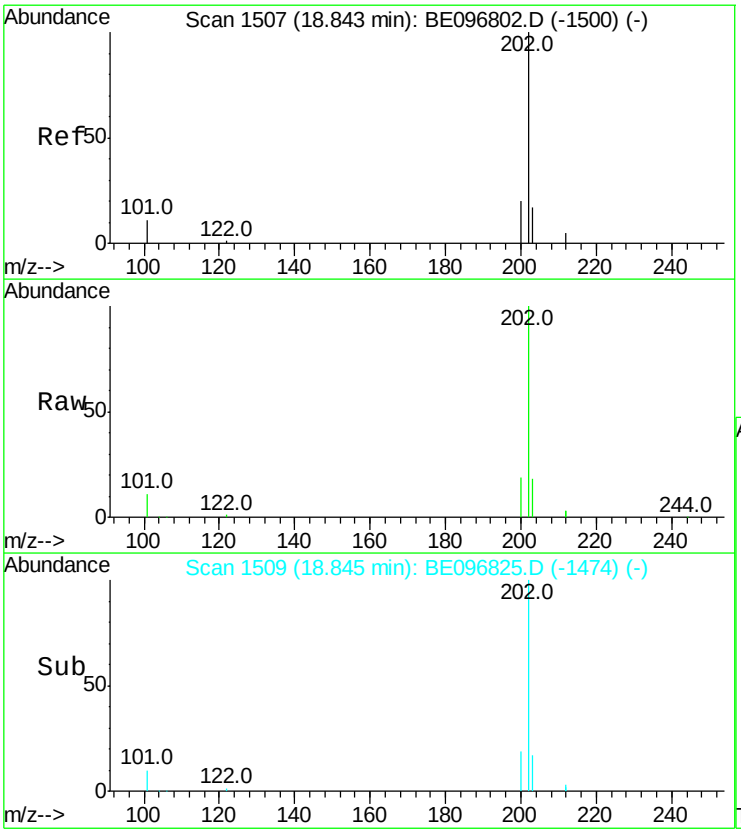
#25
Fluoranthene-d10
Concen: 0.395 ng
RT: 18.82 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 87351

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4

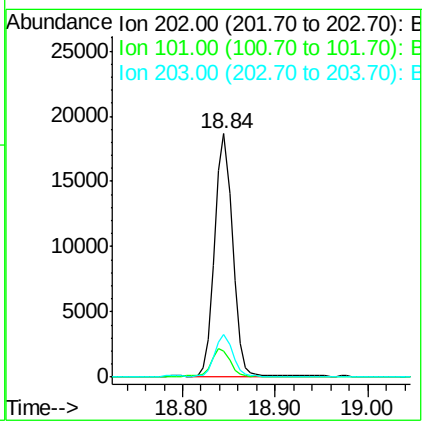


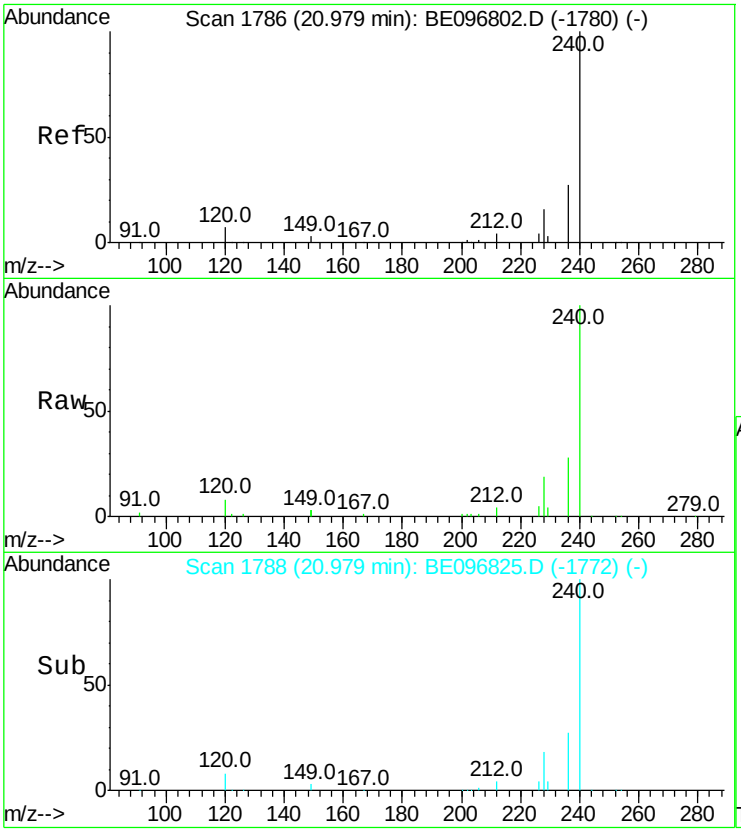


#26
Fluoranthene
Concen: 0.380 ng
RT: 18.84 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:202 Resp: 24733

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.8
203	17.0	13.7	20.5



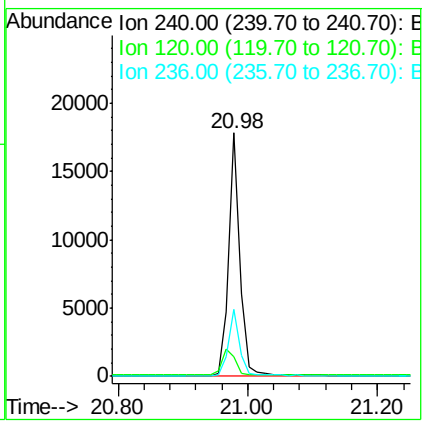


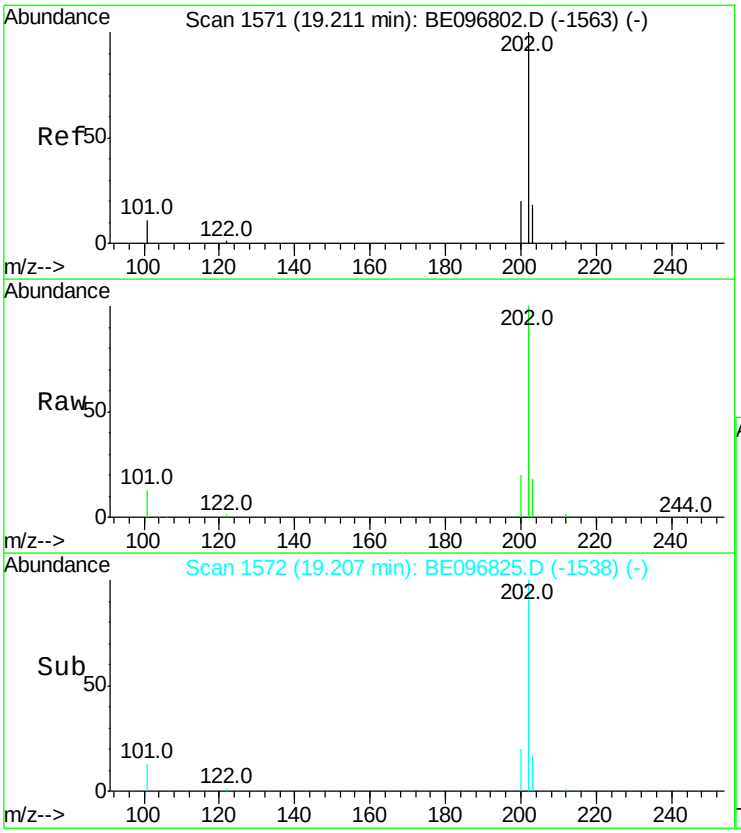
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 21694

Ion	Ratio	Lower	Upper
240	100		
120	8.1	5.5	8.3
236	27.6	20.7	31.1

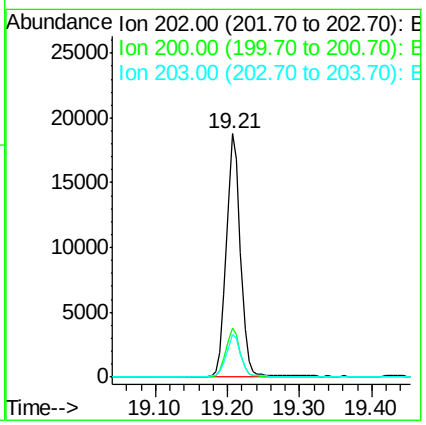


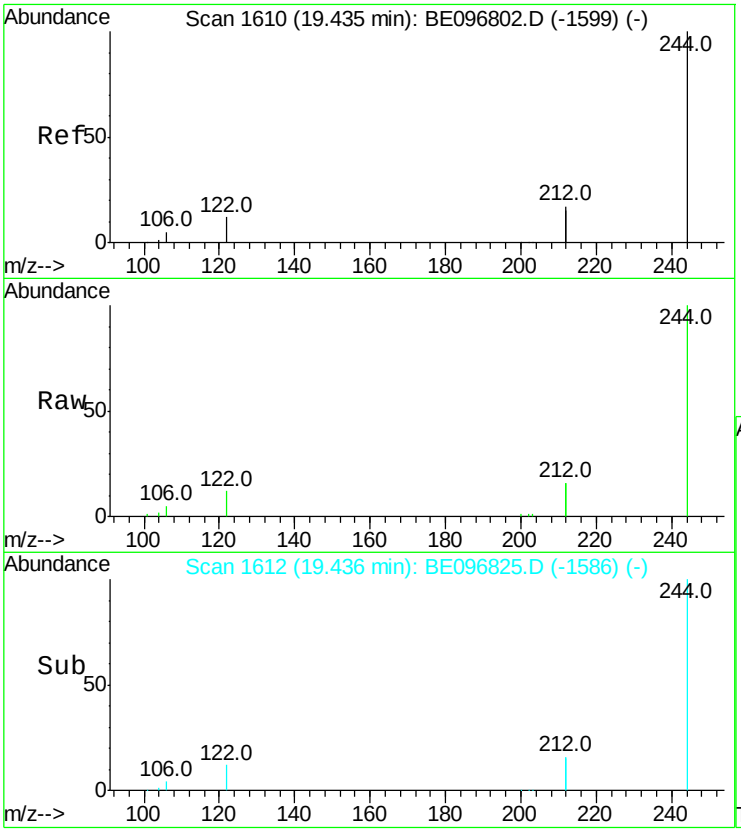


#28
Pyrene
Concen: 0.355 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:202 Resp: 25304

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	25.0
203	17.4	13.8	20.8



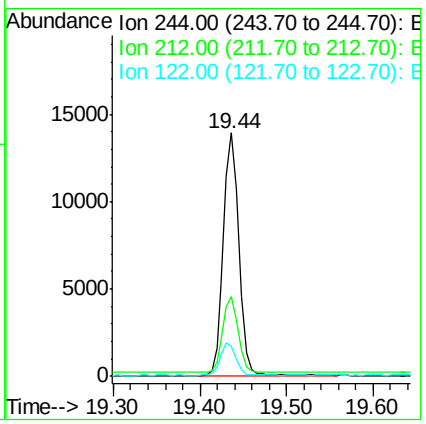


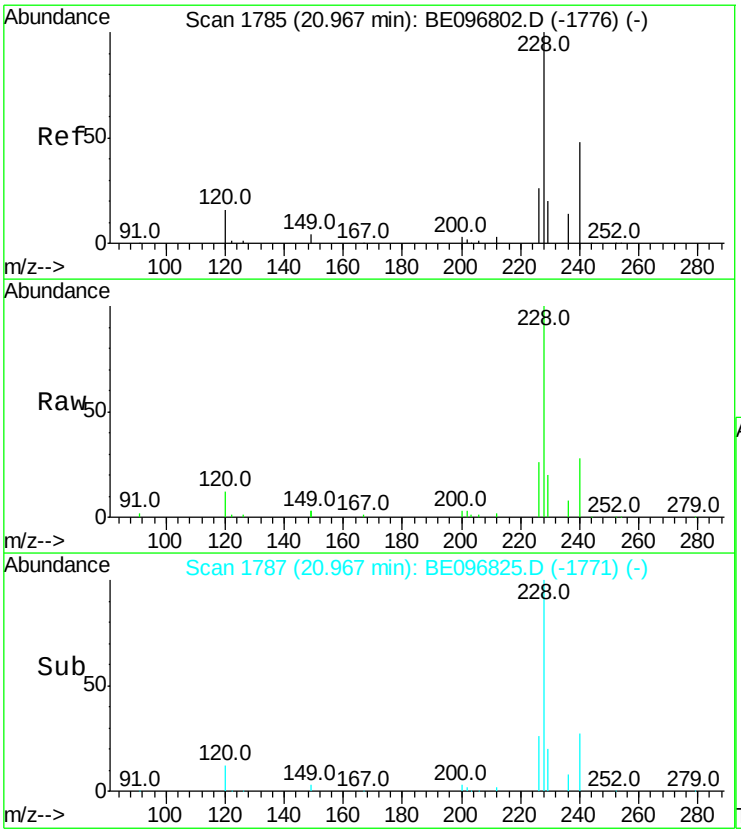
#29
Terphenyl-d14
Concen: 0.350 ng
RT: 19.44 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 17205

Ion	Ratio	Lower	Upper
244	100		
212	32.7	25.4	38.0
122	12.2	8.1	12.1#

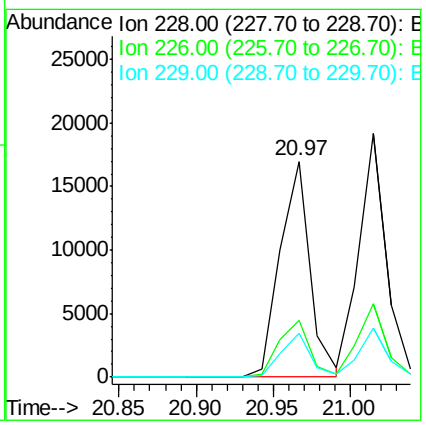


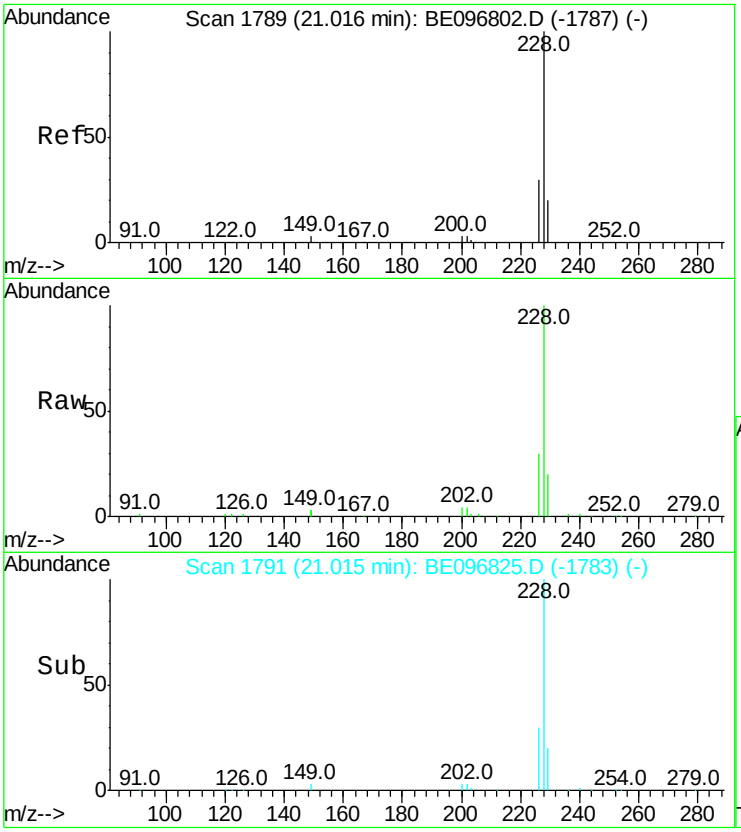


#30
Benzo(a)anthracene
Concen: 0.434 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:228 Resp: 22805

Ion	Ratio	Lower	Upper
228	100		
226	26.5	24.0	36.0
229	20.2	16.0	24.0



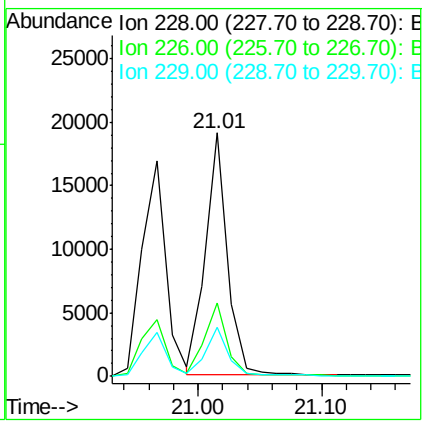


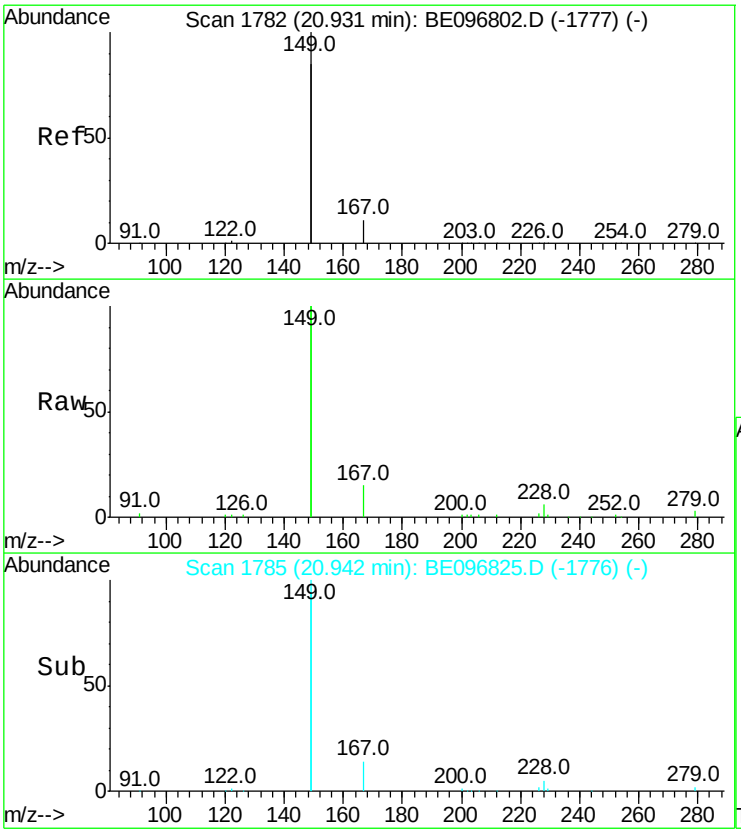
#31
Chrysene
Concen: 0.356 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 23591

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.0	16.0	24.0

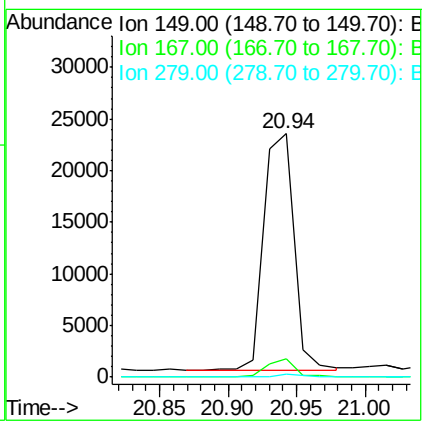


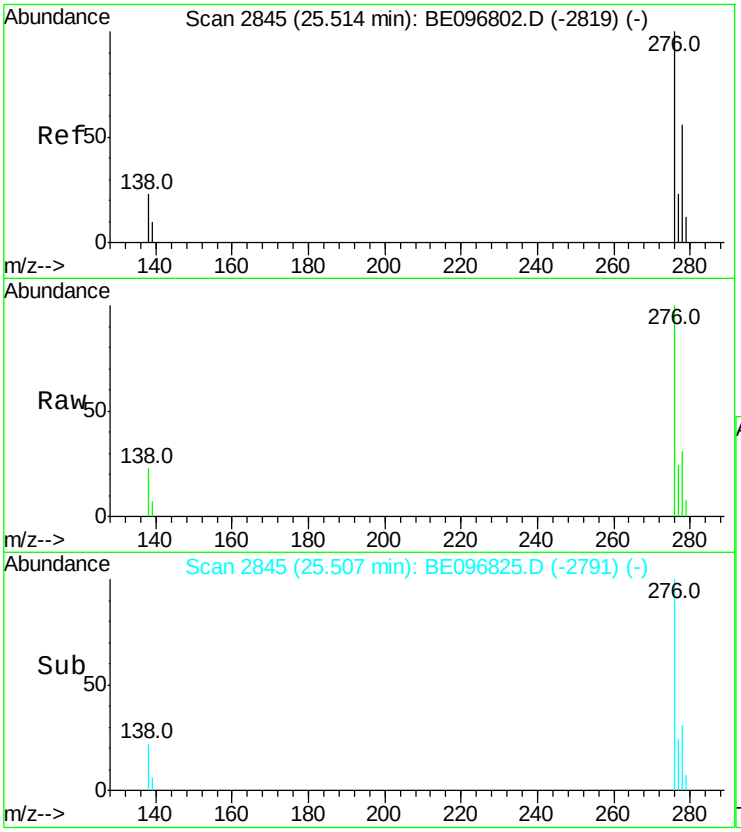


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.879 ng
RT: 20.94 min Scan# 1785
Delta R.T. 0.01 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:149 Resp: 34718

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.9	0.7	1.1



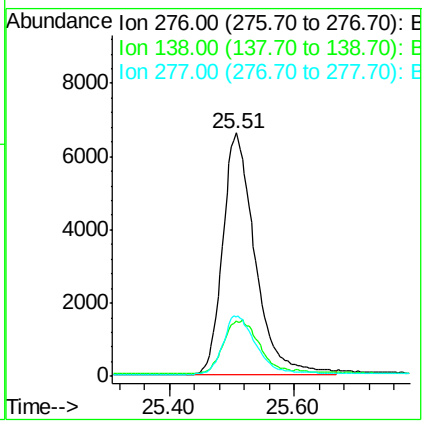


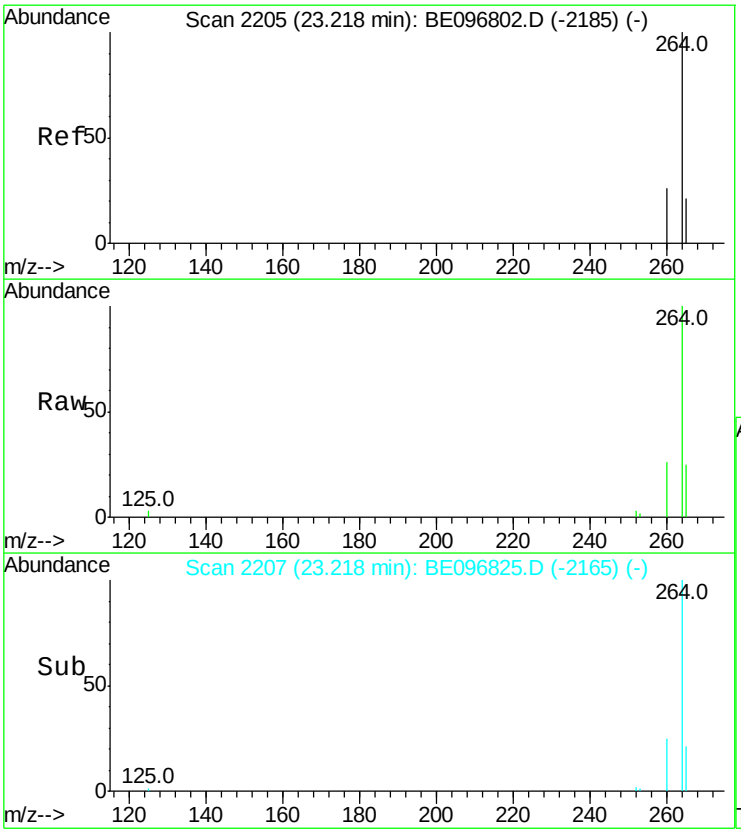
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.478 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 23770

Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.5	33.7
277	24.3	19.9	29.9

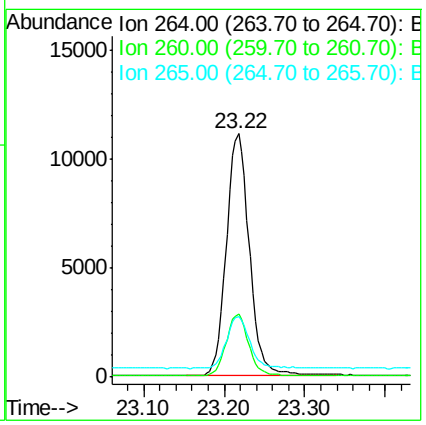


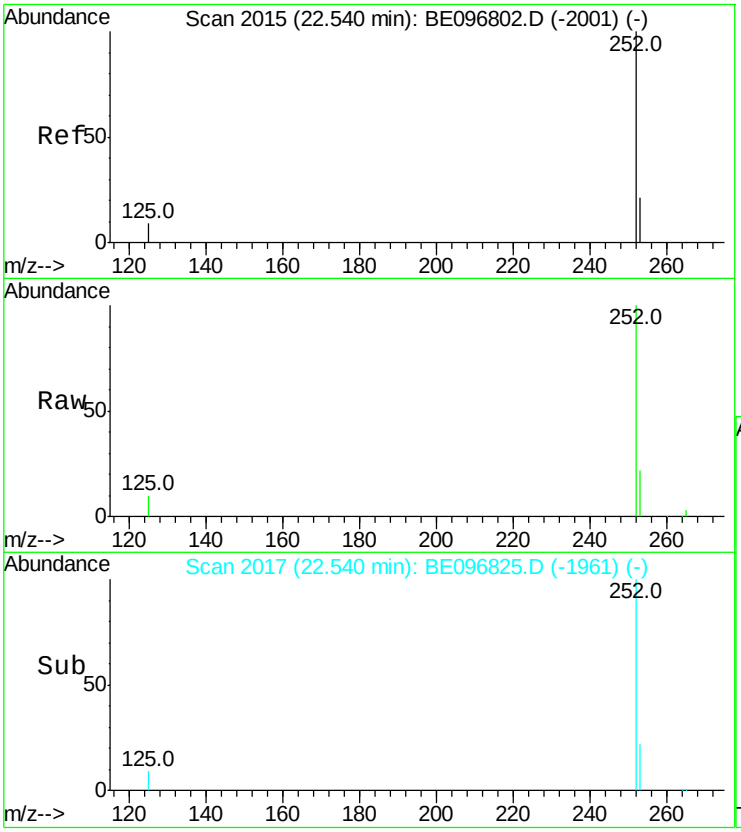


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:264 Resp: 22134

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	24.8	22.8	34.2



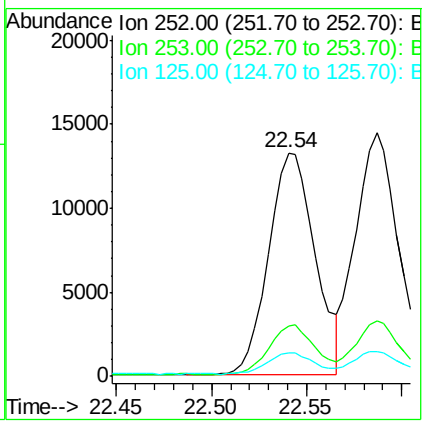


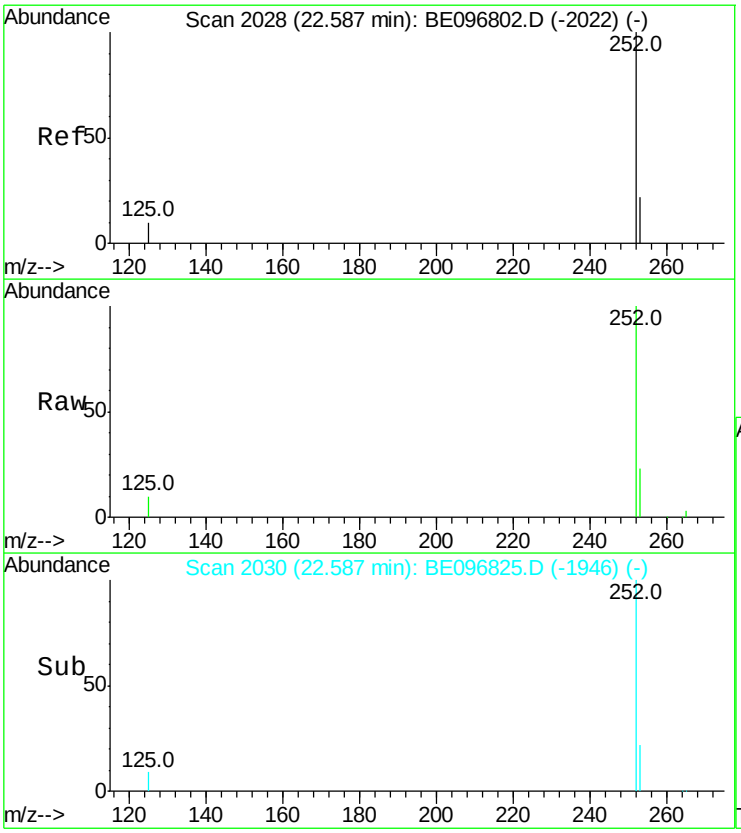
#35
Benzo(b)fluoranthene
Concen: 0.369 ng
RT: 22.54 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 22452

Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.0	30.0
125	10.4	16.0	24.0#

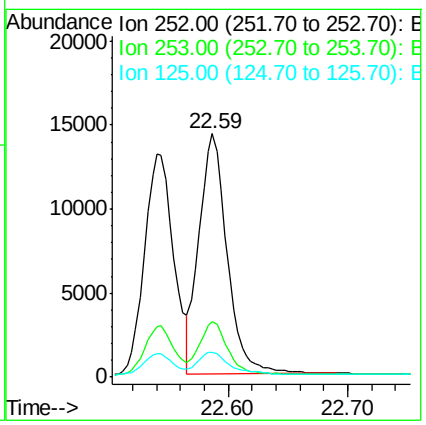


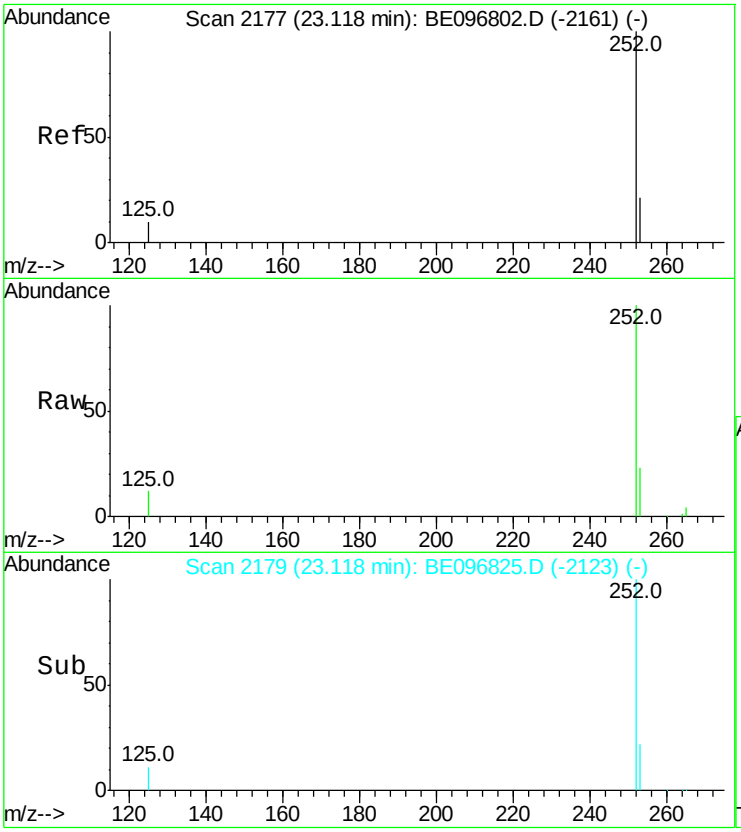


#36
Benzo(k)fluoranthene
Concen: 0.324 ng
RT: 22.59 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:252 Resp: 23440

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.0	24.0
125	10.3	8.0	12.0



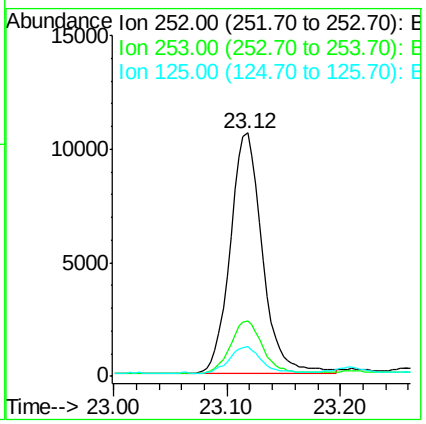


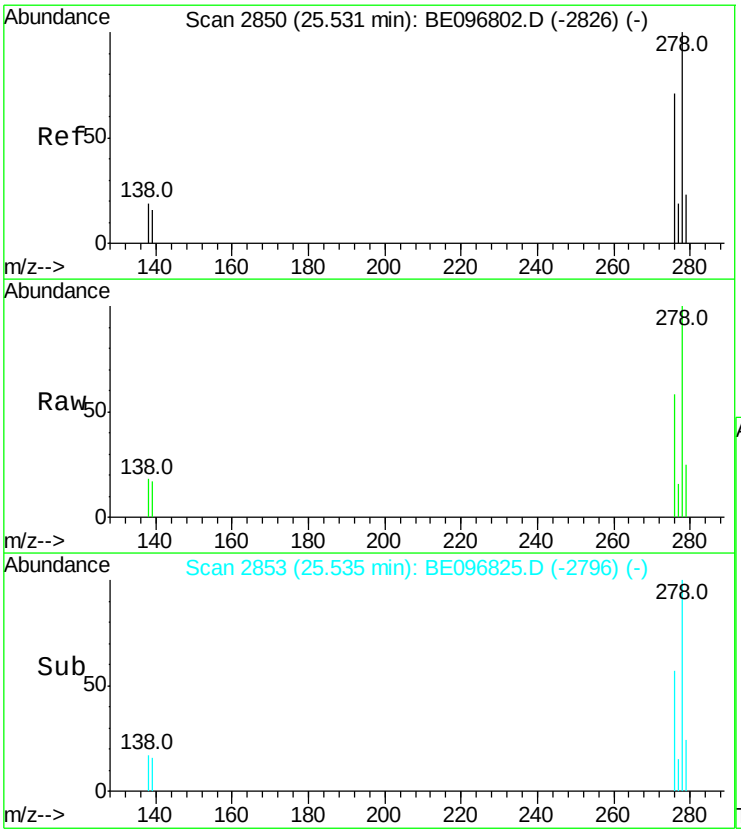
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.12 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 21015

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.0	24.0
125	12.3	12.0	18.0

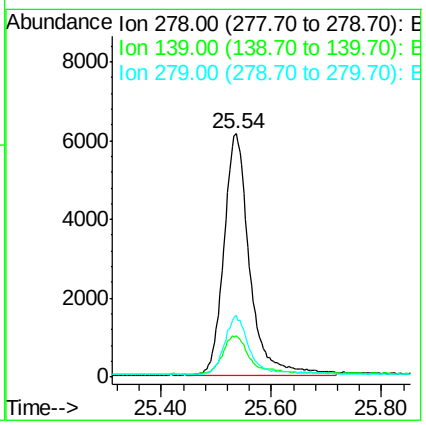


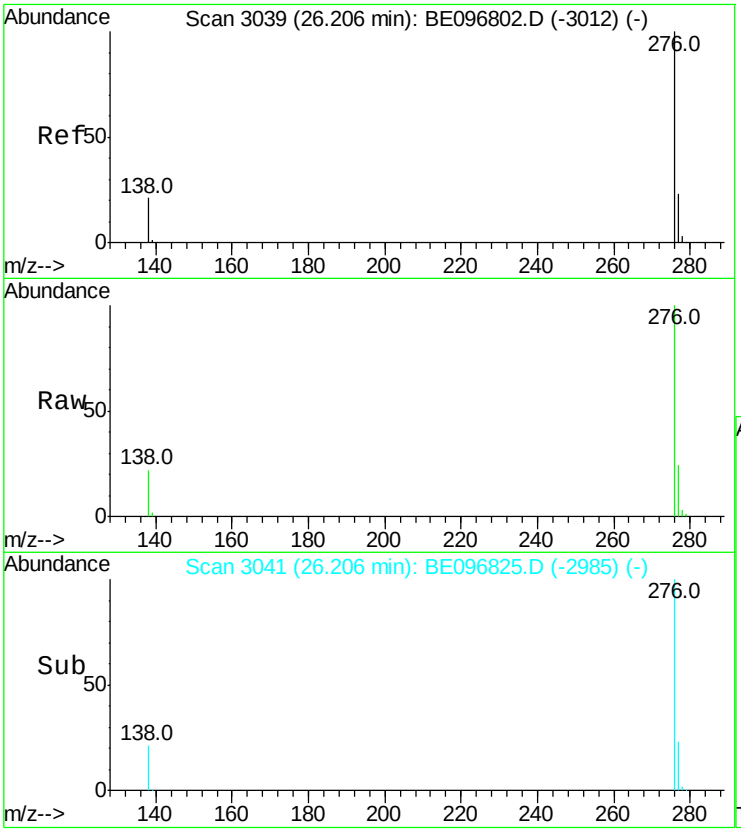


#38
Dibenzo(a,h)anthracene
Concen: 0.392 ng
RT: 25.54 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Tgt Ion:278 Resp: 19799

Ion	Ratio	Lower	Upper
278	100		
139	17.2	16.0	24.0
279	25.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.21 min Scan# 3041
Delta R.T. 0.00 min
Lab File: BE096825.D
Acq: 19 Jun 2018 1:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 20641

Ion	Ratio	Lower	Upper
276	100		
277	23.7	16.0	24.0
138	22.3	20.0	30.0