Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062618\
Data File : BE096844.D
Acq On : 26 Jun 2018 9:54
Operator : SJ/JU
Sample : PB110591BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB110591BS

Quant Time: Jun 27 02:25:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3978	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	16195	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	6562	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	14548	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14810	0.40	ng		0.00
34) Perylene-d12	23.21	264	13309	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	2822	0.32	ng		0.01
5) Phenol-d6	6.59	99	3557	0.27	ng		0.00
8) Nitrobenzene-d5	8.53	82	3280	0.33	ng		0.00
11) 2-Methylnaphthalene-d10	11.74	152	8885	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	301	0.30	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	10058	0.42	ng		0.00
25) Fluoranthene-d10	18.81	212	46664	0.36	ng		0.00
29) Terphenyl-d14	19.44	244	12222	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	1747	0.293	ng	#	90
3) n-Nitrosodimethylamine	3.38	42	2503	0.396	ng	#	82
6) bis(2-Chloroethyl)ether	6.85	93	4572	0.314	ng		97
9) Naphthalene	10.20	128	54581	0.371	ng		99
10) Hexachlorobutadiene	10.50	225	2119	0.346	ng		98
12) 2-Methylnaphthalene	11.81	142	8343	0.342	ng		100
16) Acenaphthylene	13.74	152	9893	0.348	ng		99
17) Acenaphthene	14.08	154	6641	0.353	ng	#	92
18) Fluorene	15.08	166	7292	0.330	ng	#	81
20) 4-Bromophenyl-phenylether	15.98	248	2245	0.342	ng	#	82
21) Hexachlorobenzene	16.09	284	2813	0.376	ng	#	80
22) Pentachlorophenol	16.43	266	610	0.519	ng	#	73
23) Phenanthrene	16.81	178	13385	0.374	ng		99
24) Anthracene	16.90	178	10889	0.368	ng		96
26) Fluoranthene	18.84	202	14689	0.406	ng		99
28) Pyrene	19.21	202	14088	0.329	ng		99
30) Benzo(a)anthracene	20.95	228	12110	0.369	ng		99
31) Chrysene	21.02	228	15182	0.375	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	8117	0.276	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	11215	0.372	ng	#	93
35) Benzo(b)fluoranthene	22.54	252	12027	0.331	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	14094	0.360	ng		96
37) Benzo(a)pyrene	23.11	252	10134	0.351	ng		93
38) Dibenzo(a,h)anthracene	25.53	278	9176	0.345	ng		96
39) Benzo(g,h,i)perylene	26.20	276	10822	0.336	ng	#	91

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

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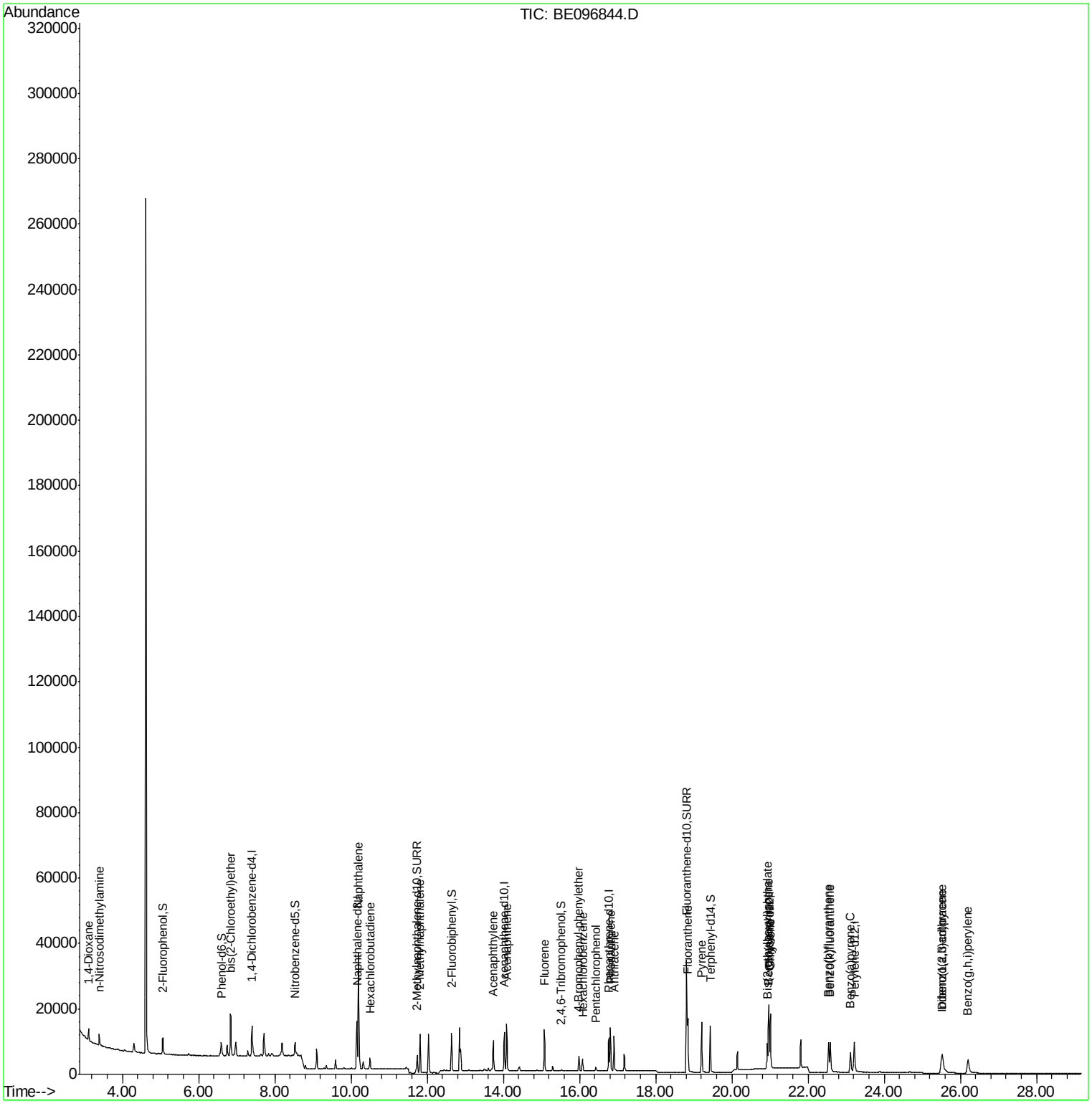
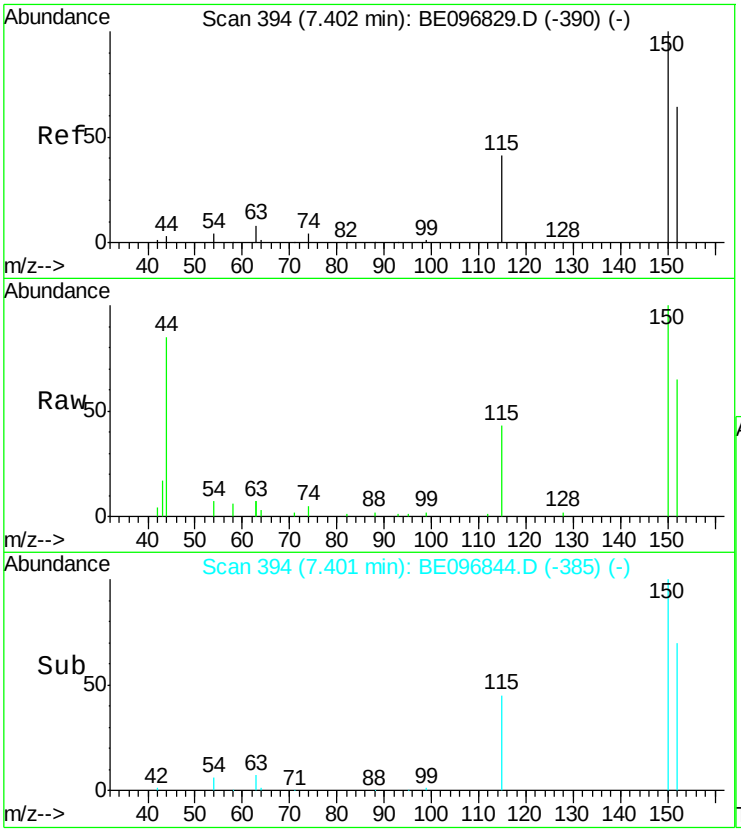
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Quant Time: Jun 27 02:25:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration



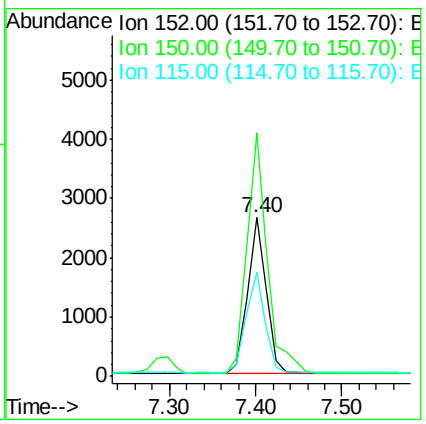


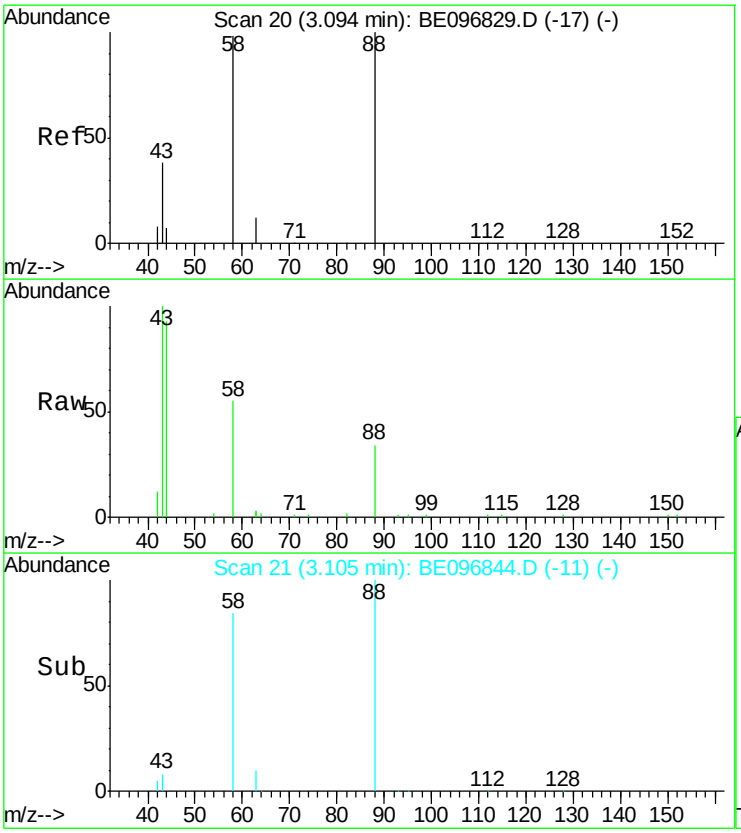
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:152 Resp: 3978

Ion	Ratio	Lower	Upper
152	100		
150	153.2	117.2	175.8
115	65.7	57.0	85.6

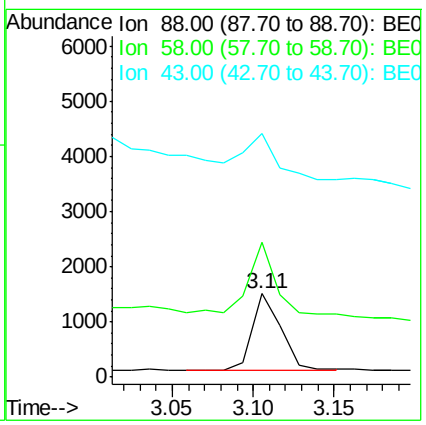


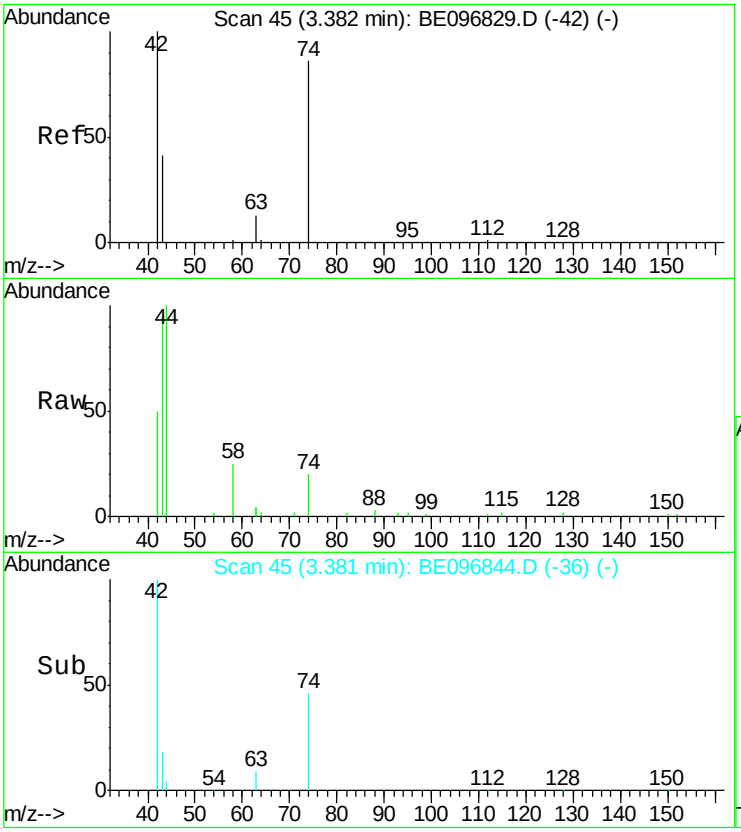


#2
1,4-Dioxane
Concen: 0.293 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion: 88 Resp: 1747

Ion	Ratio	Lower	Upper
88	100		
58	81.2	63.2	94.8
43	65.7	41.2	61.8#



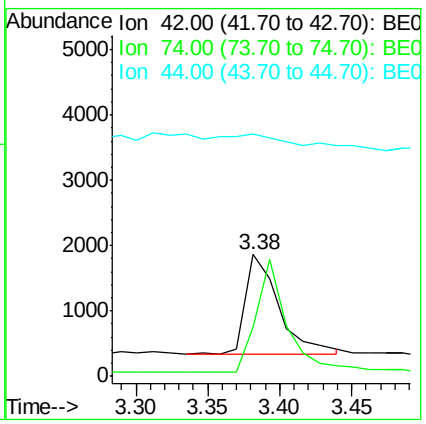


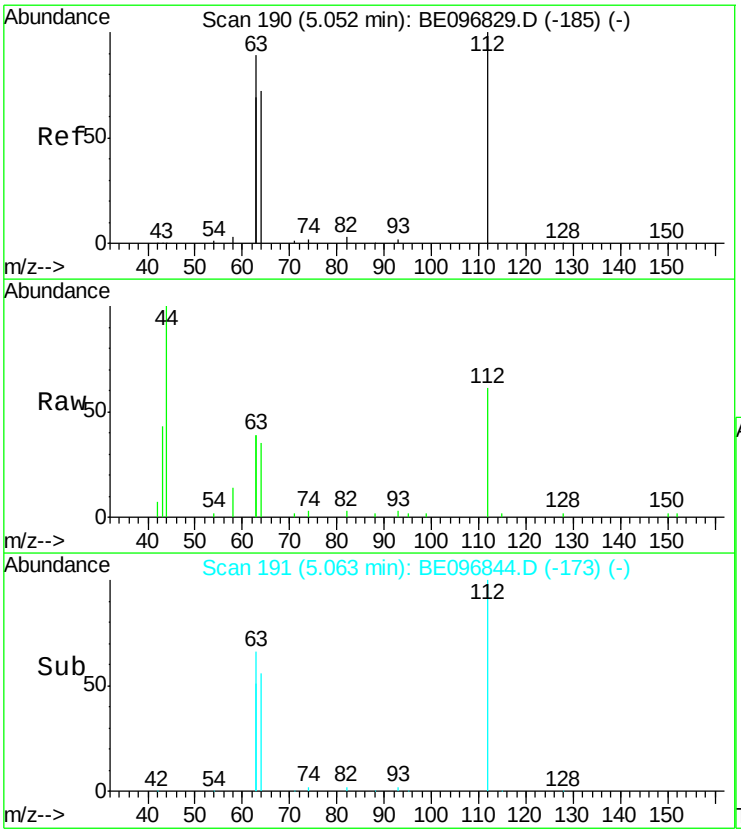
#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion: 42 Resp: 2503

Ion	Ratio	Lower	Upper
42	100		
74	102.0	96.0	144.0
44	0.0	12.0	18.0#

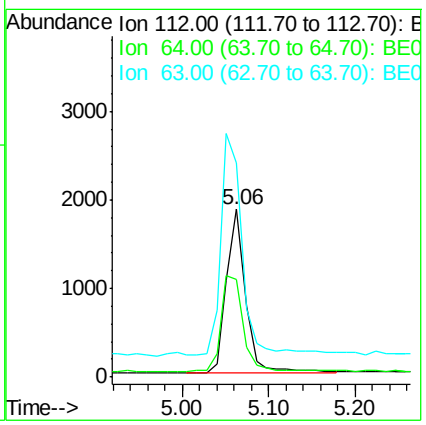


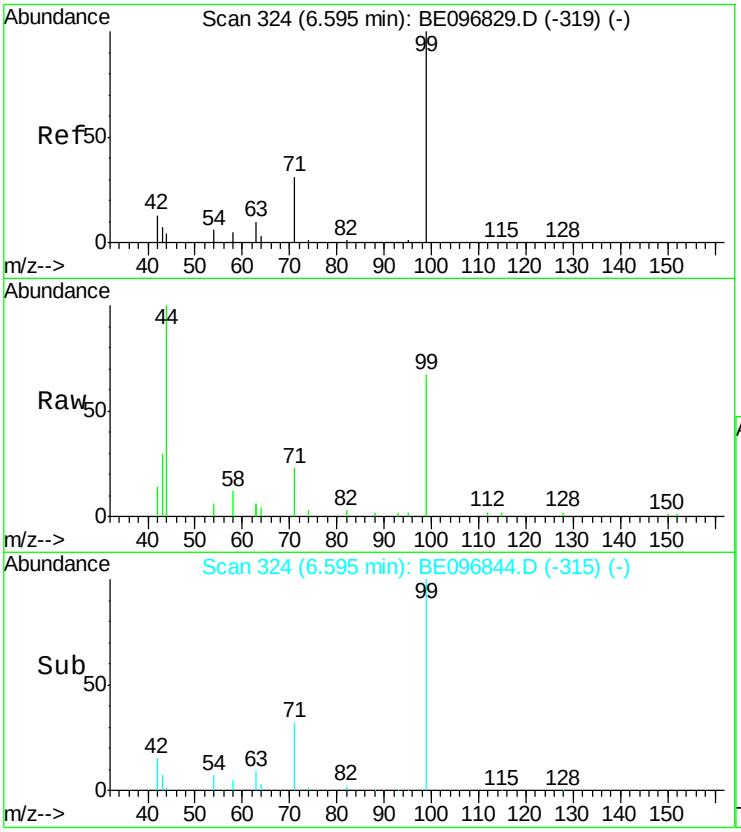


#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:112 Resp: 2822

Ion	Ratio	Lower	Upper
112	100		
64	71.5	60.1	90.1
63	152.9	116.8	175.2



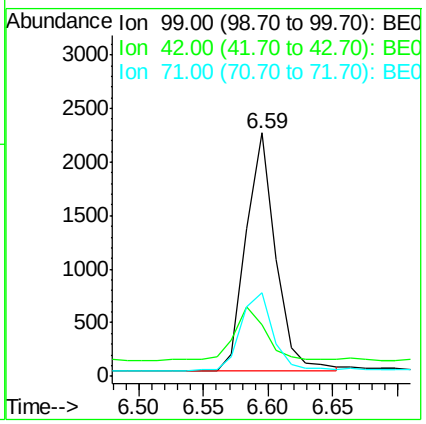


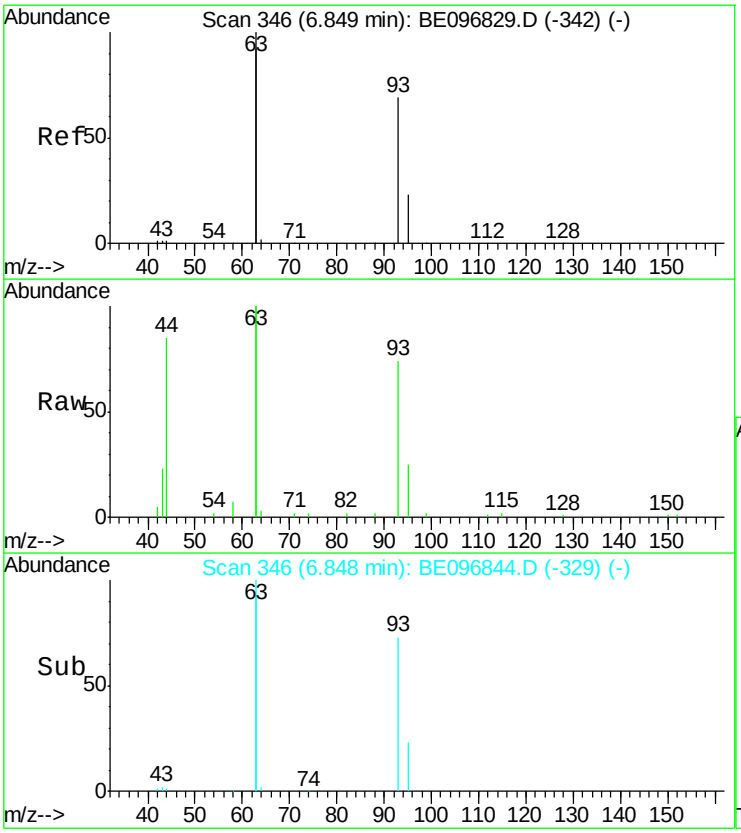
#5
Phenol-d6
Concen: 0.268 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion: 99 Resp: 3557

Ion	Ratio	Lower	Upper
99	100		
42	24.0	20.2	30.2
71	35.1	28.4	42.6

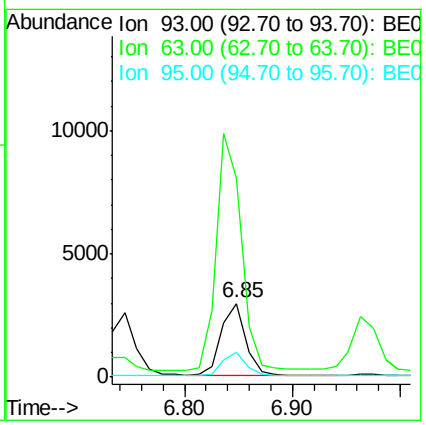


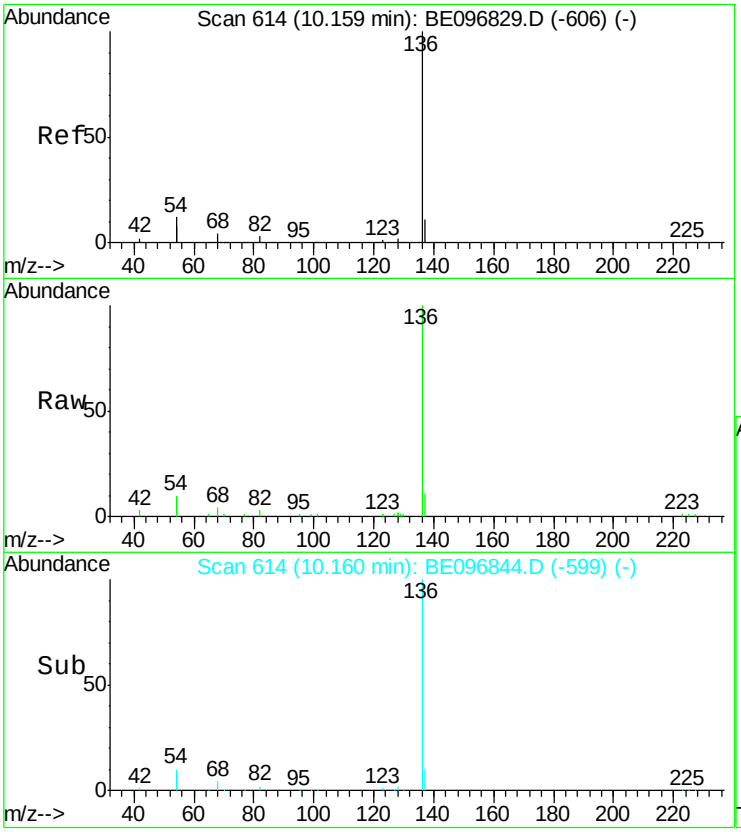


#6
bis(2-Chloroethyl)ether
Concen: 0.314 ng
RT: 6.85 min Scan# 346
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion: 93 Resp: 4572

Ion	Ratio	Lower	Upper
93	100		
63	338.1	275.3	412.9
95	32.1	25.2	37.8



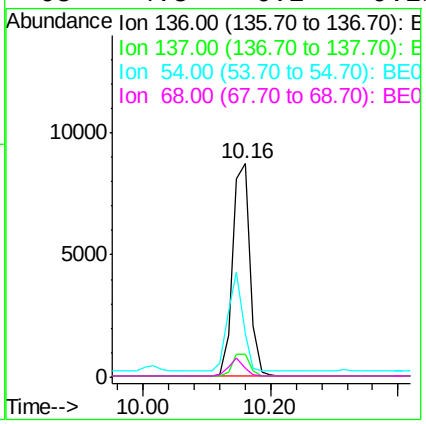


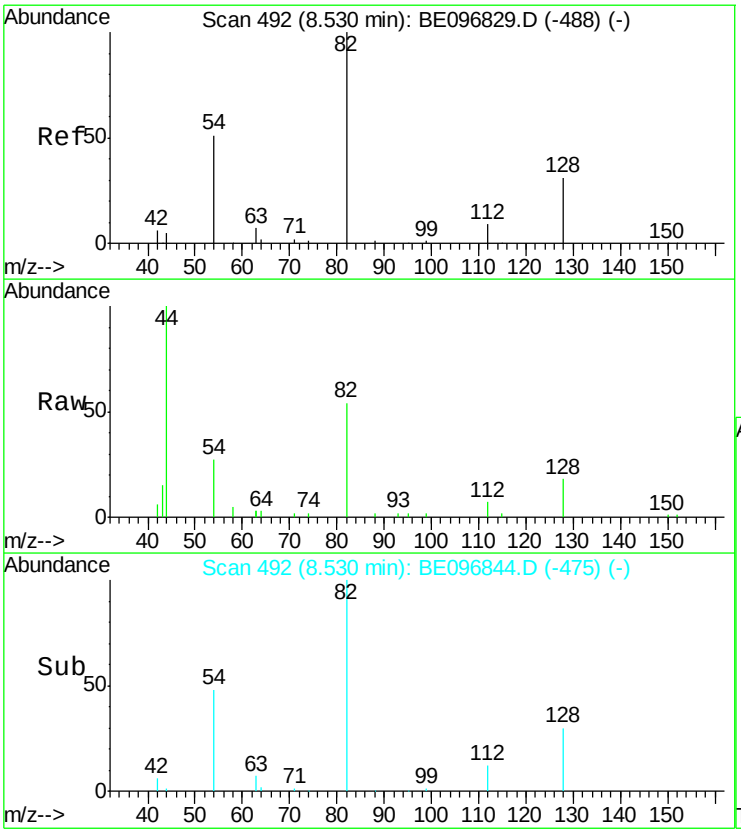
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:136 Resp: 16195

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.5	14.3
54	20.2	29.1	43.7#
68	4.3	6.2	9.2#

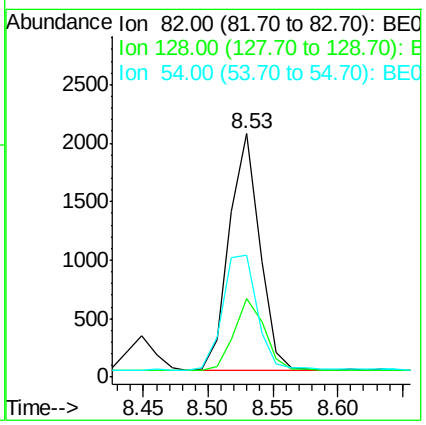


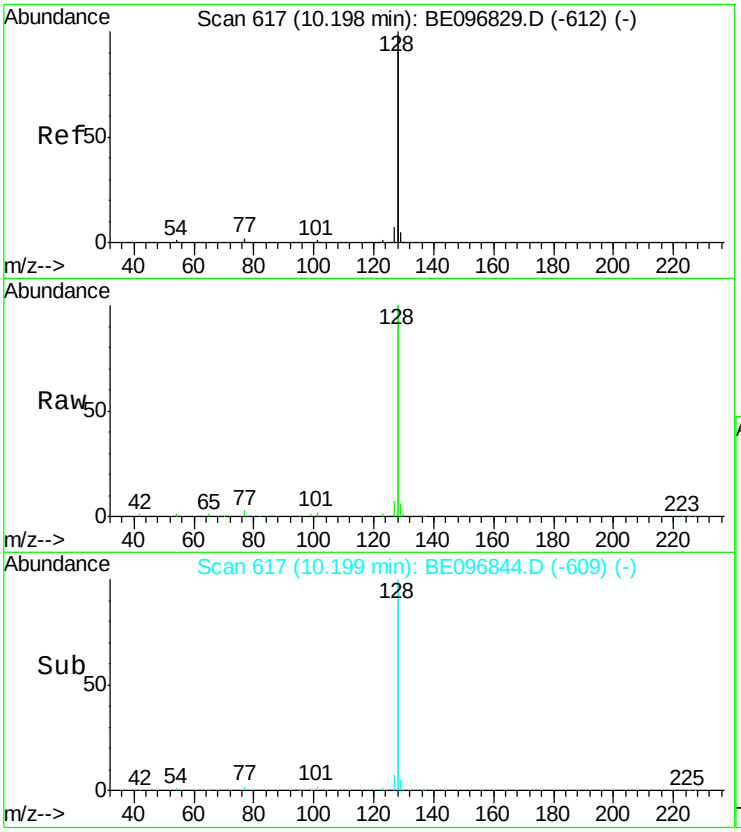


#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion: 82 Resp: 3280

Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.0	36.0
54	50.0	40.0	60.0



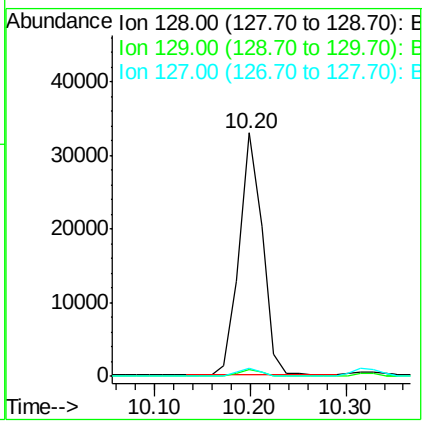


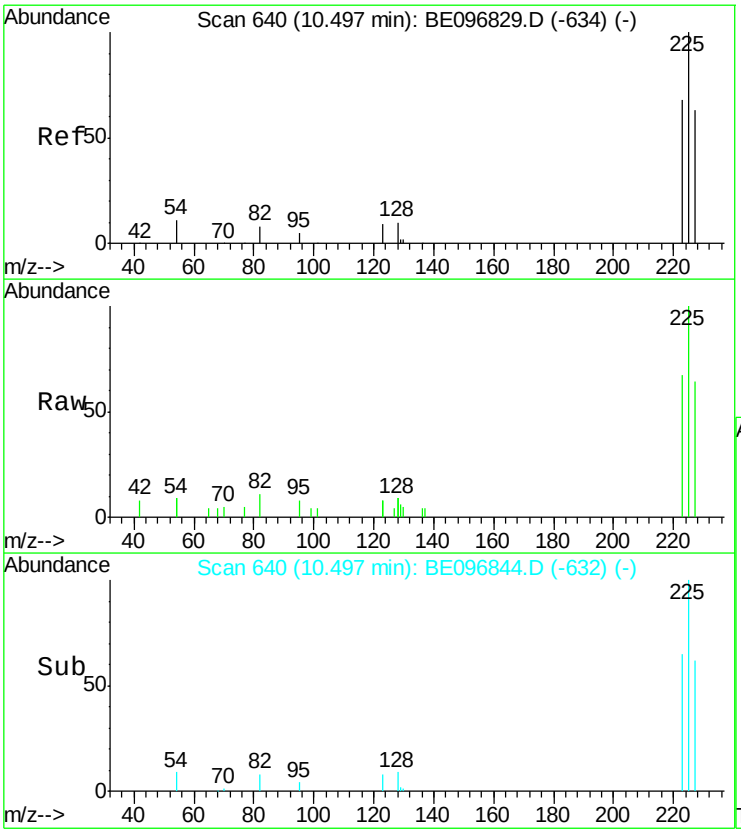
#9
Naphthalene
Concen: 0.371 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:128 Resp: 54581

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

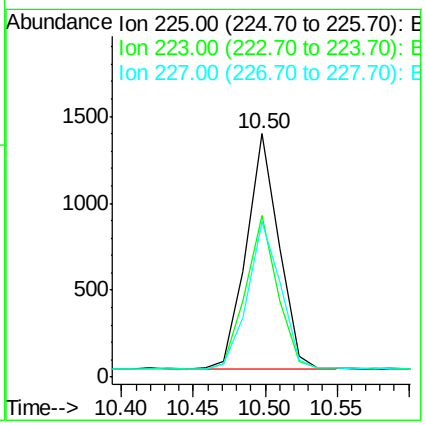


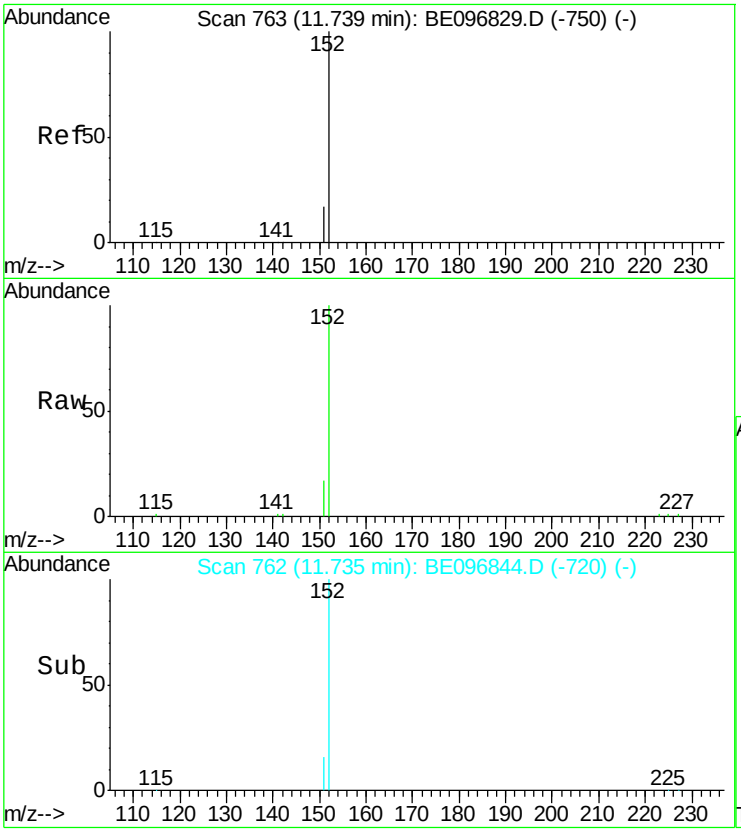


#10
Hexachlorobutadiene
Concen: 0.346 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:225 Resp: 2119

Ion	Ratio	Lower	Upper
225	100		
223	63.8	53.0	79.6
227	63.4	51.4	77.2



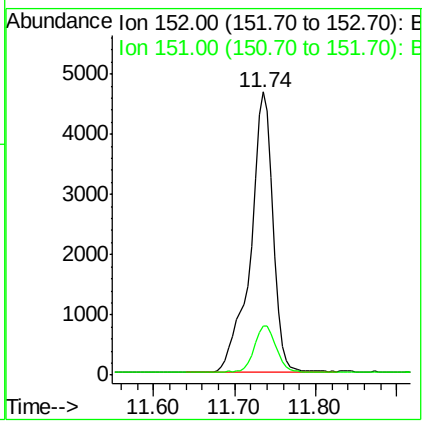


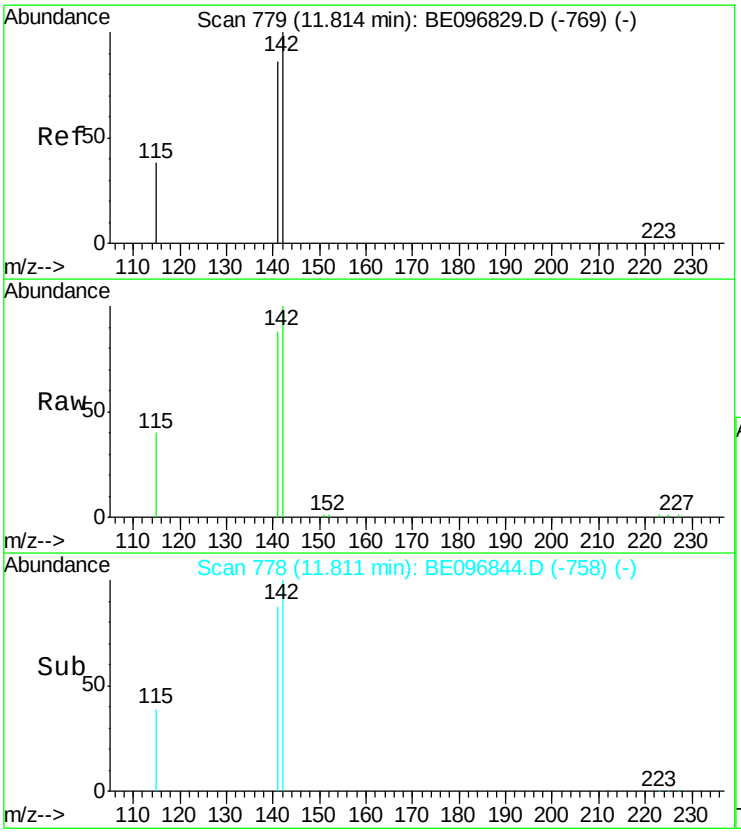
#11
2-Methylnaphthalene-d10
Concen: 0.381 ng
RT: 11.74 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:152 Resp: 8885

Ion	Ratio	Lower	Upper
152	100		
151	16.2	15.4	23.0

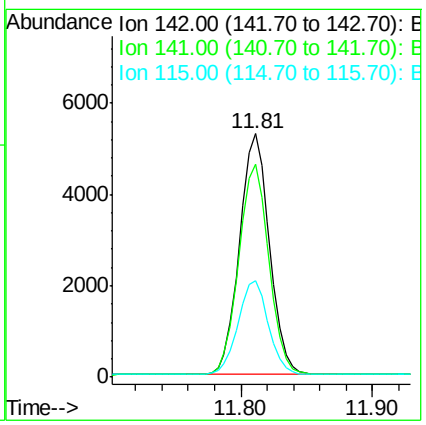


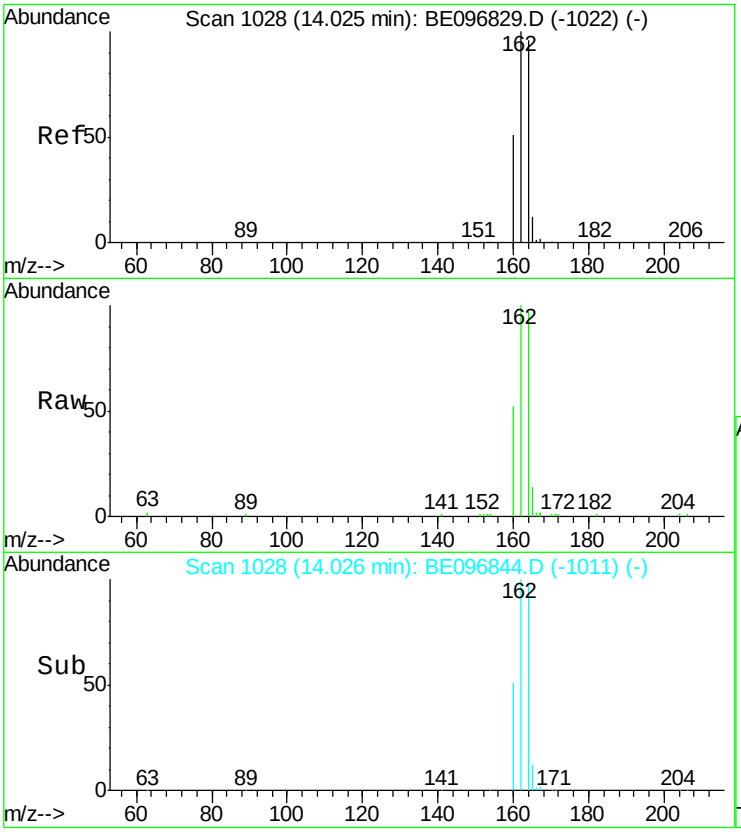


#12
2-Methylnaphthalene
Concen: 0.342 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:142 Resp: 8343

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	39.8	31.7	47.5



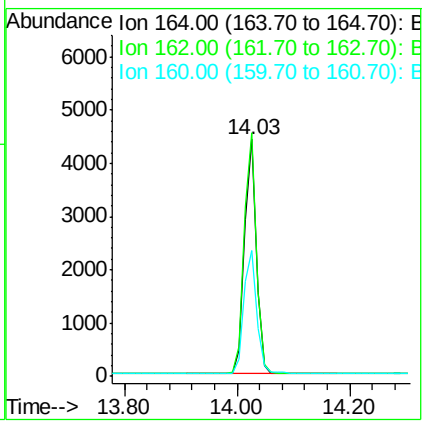


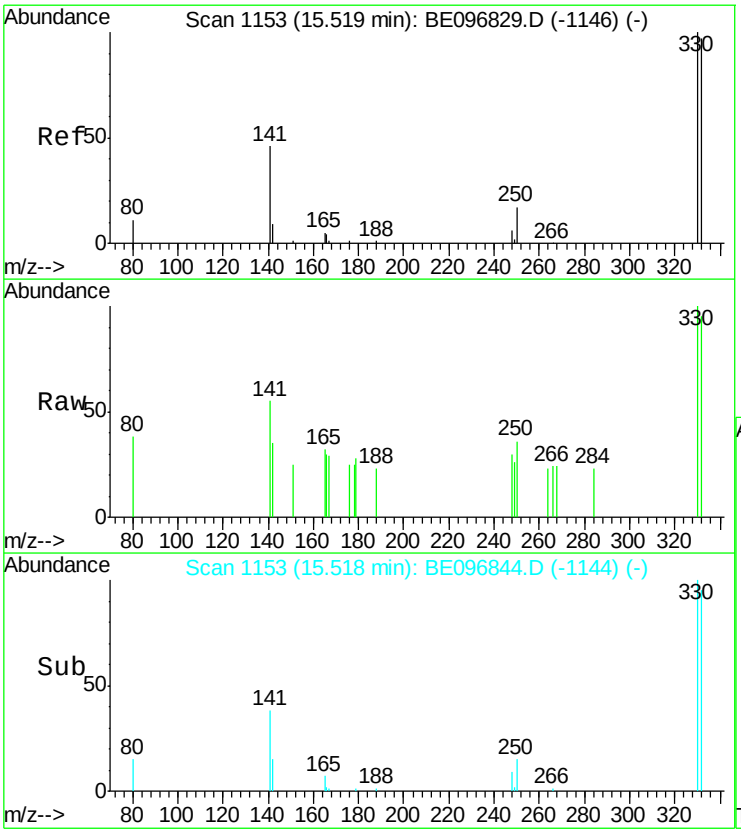
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:164 Resp: 6562

Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.1	124.7
160	53.2	37.1	55.7

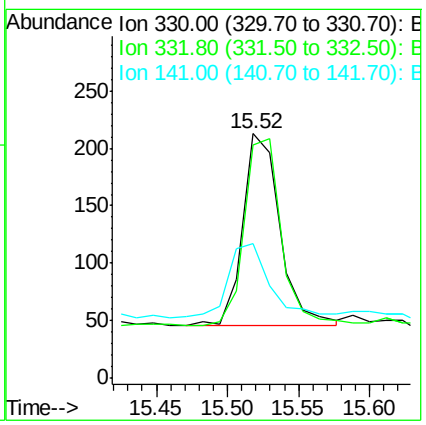


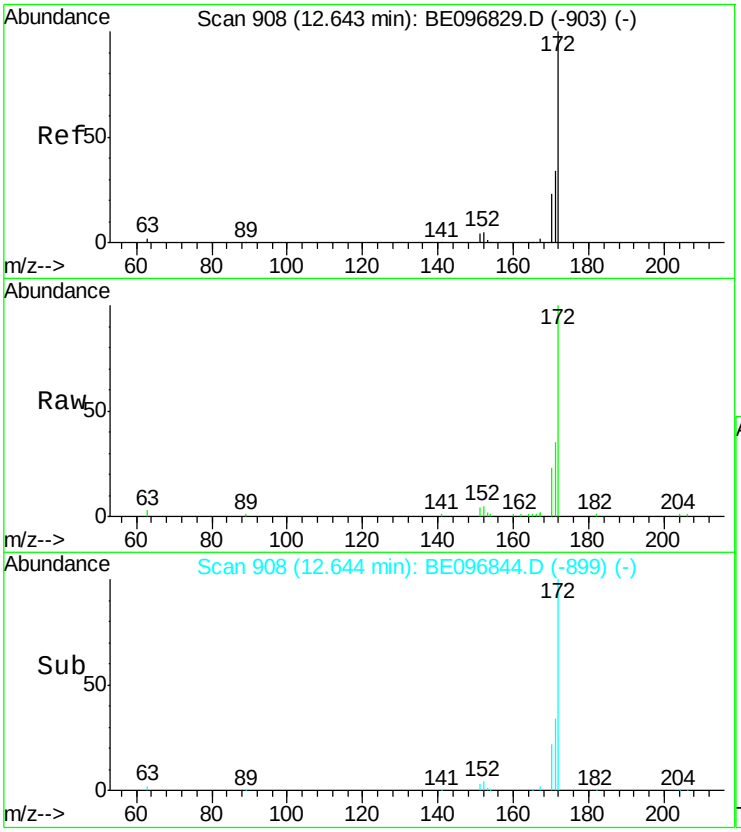


#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:330 Resp: 301

Ion	Ratio	Lower	Upper
330	100		
332	98.7	152.7	229.1#
141	44.2	33.7	50.5



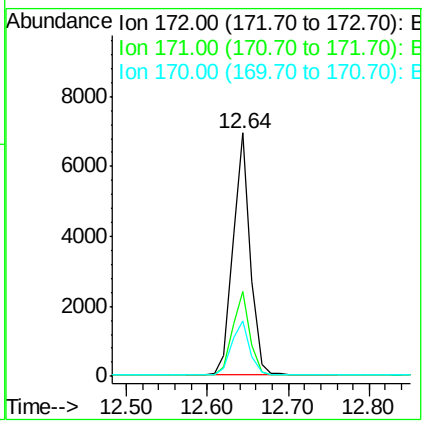


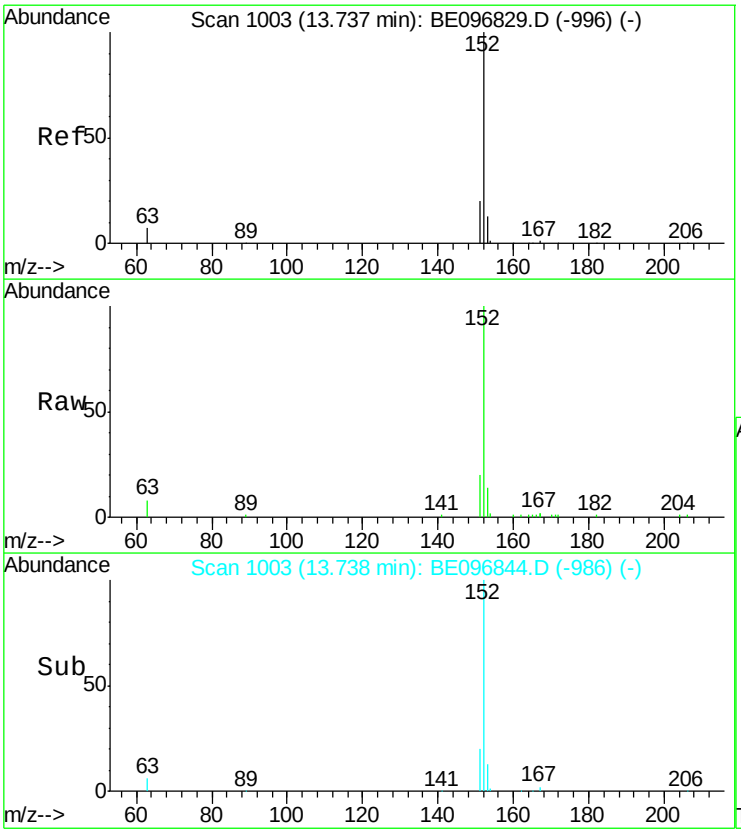
#15
2-Fluorobiphenyl
Concen: 0.419 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:172 Resp: 10058

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.9	44.9
170	23.0	21.8	32.8

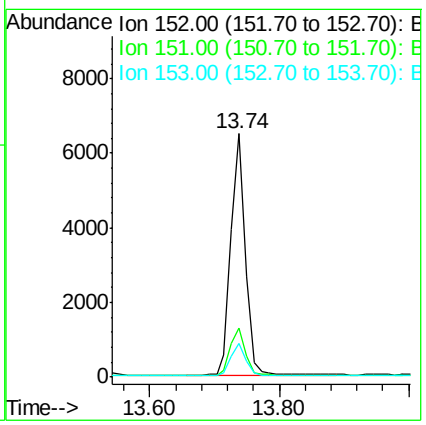


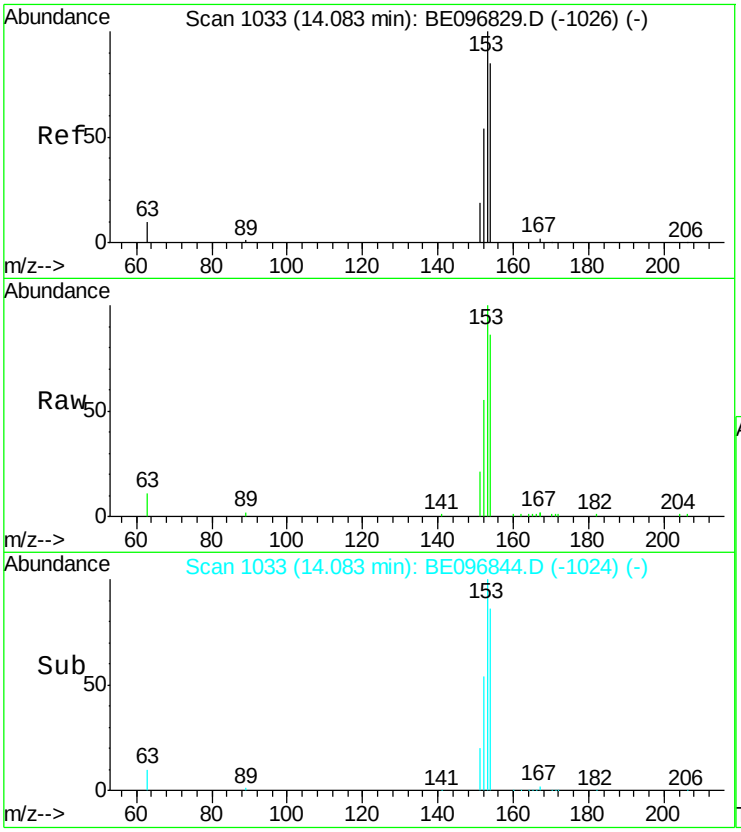


#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:152 Resp: 9893

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.4	10.5	15.7



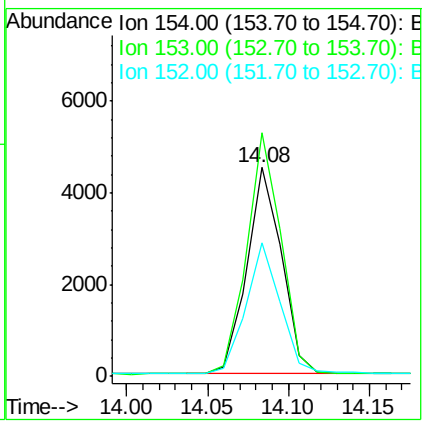


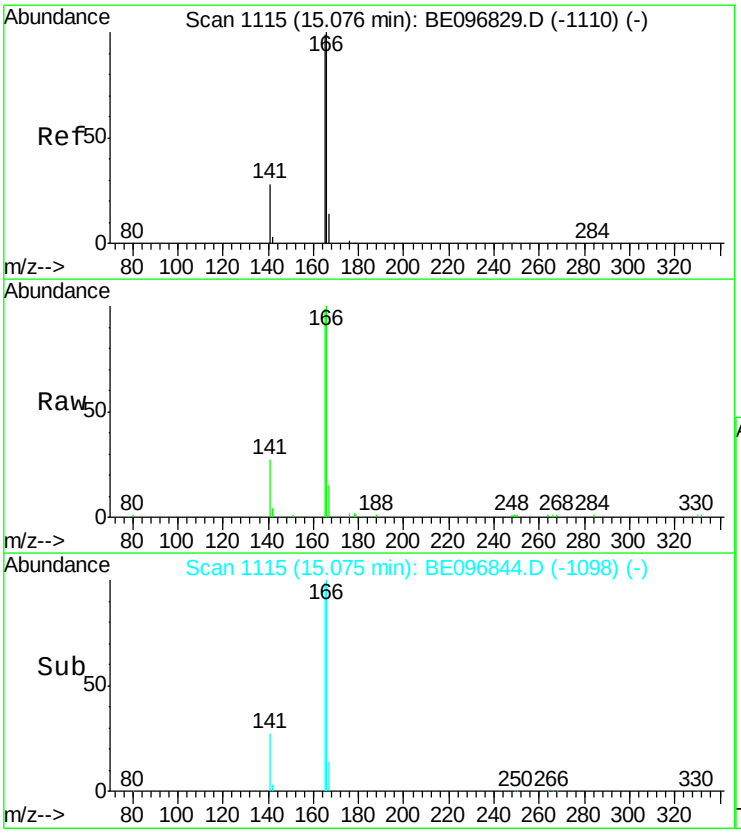
#17
Acenaphthene
Concen: 0.353 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:154 Resp: 6641

Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.2	133.8
152	63.7	42.0	63.0#

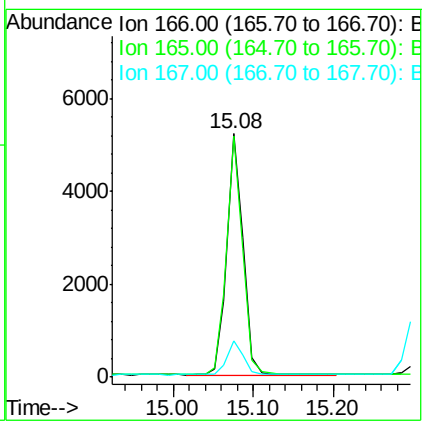


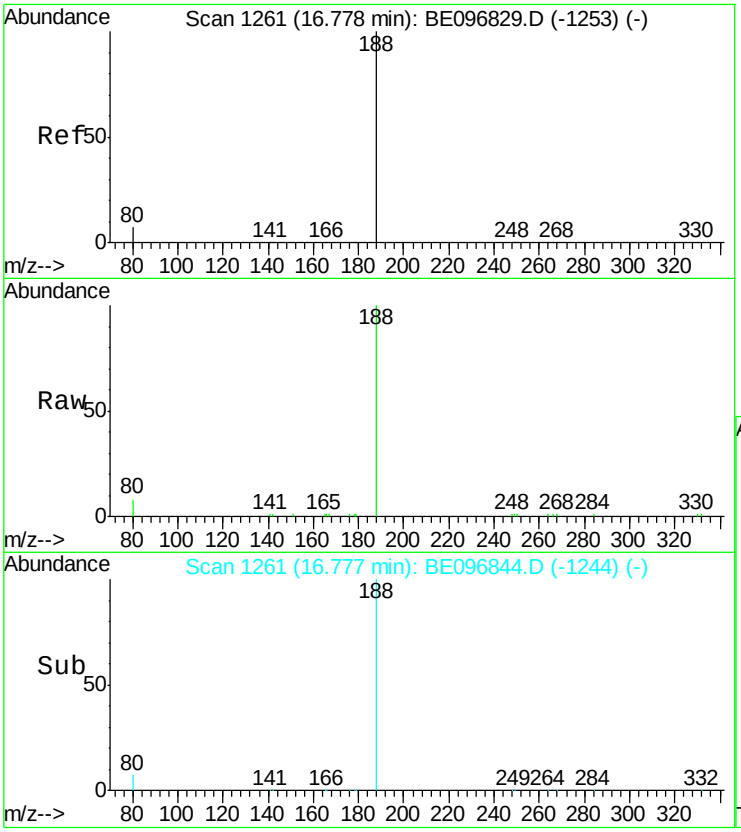


#18
Fluorene
Concen: 0.330 ng
RT: 15.08 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:166 Resp: 7292

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.6
167	14.7	42.4	63.6#



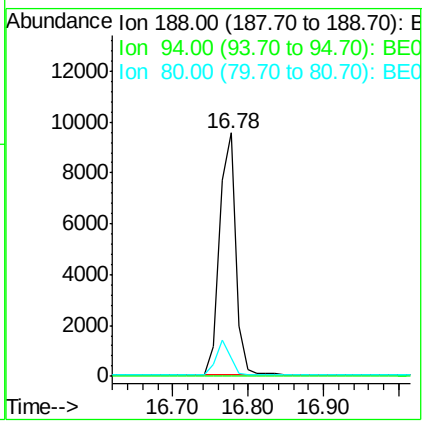


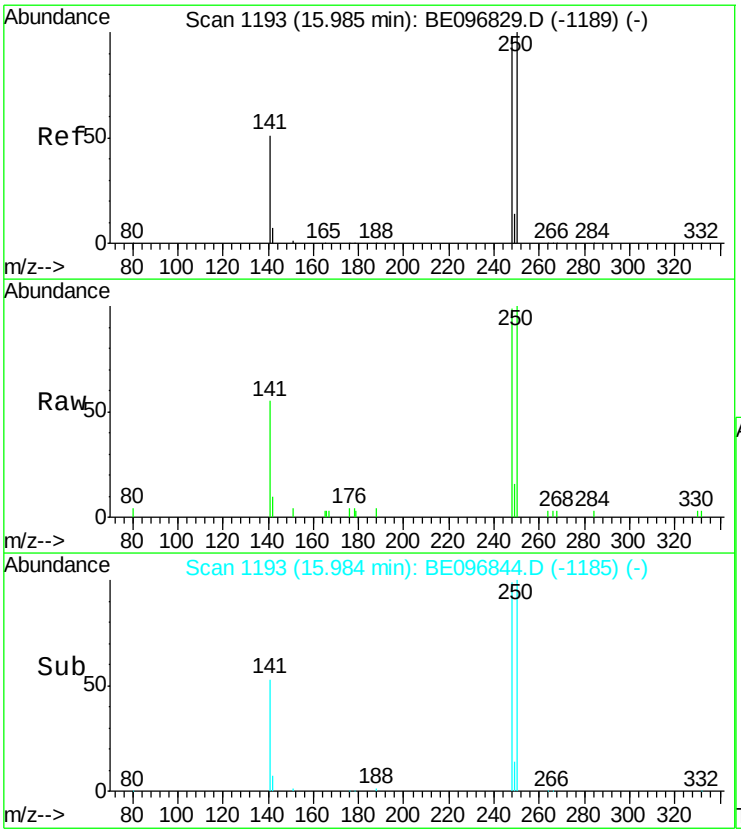
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:188 Resp: 14548

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.6	3.6	5.4#

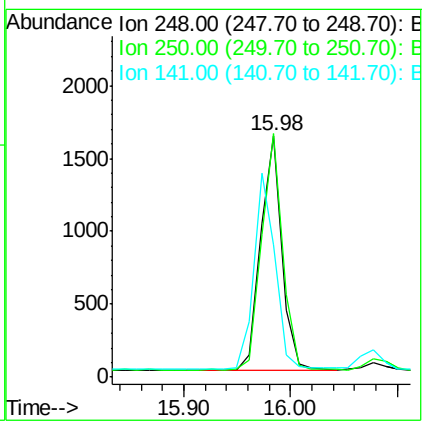


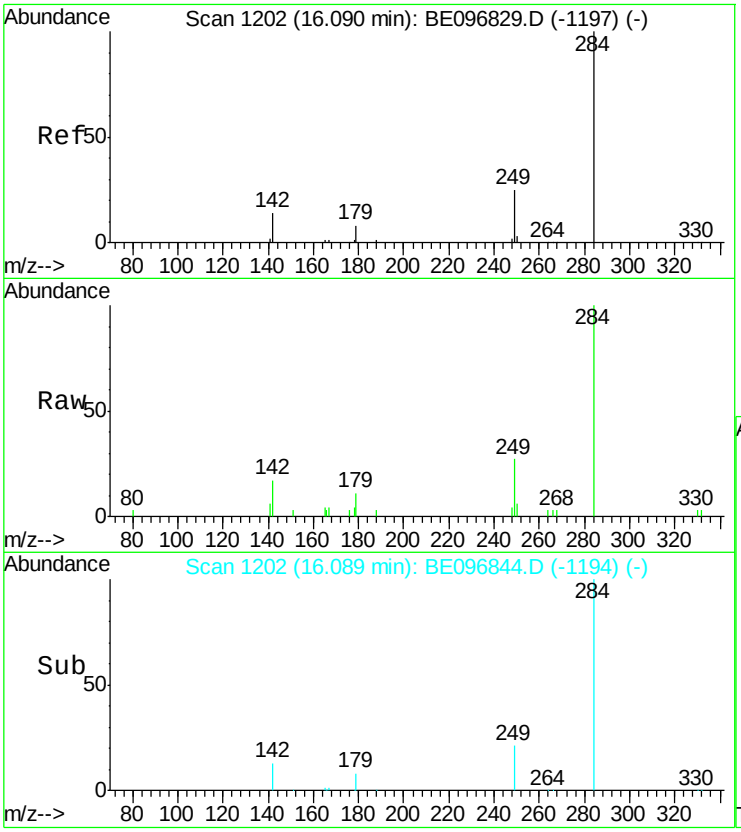


#20
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:248 Resp: 2245

Ion	Ratio	Lower	Upper
248	100		
250	101.0	62.7	94.1#
141	55.0	48.2	72.2



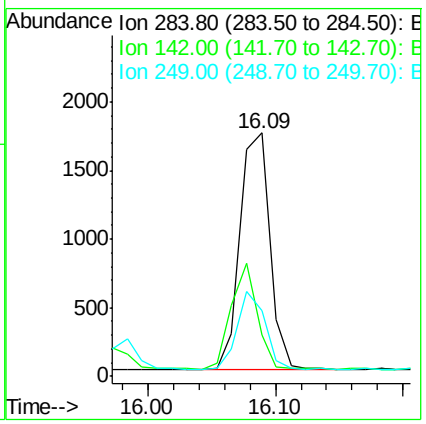


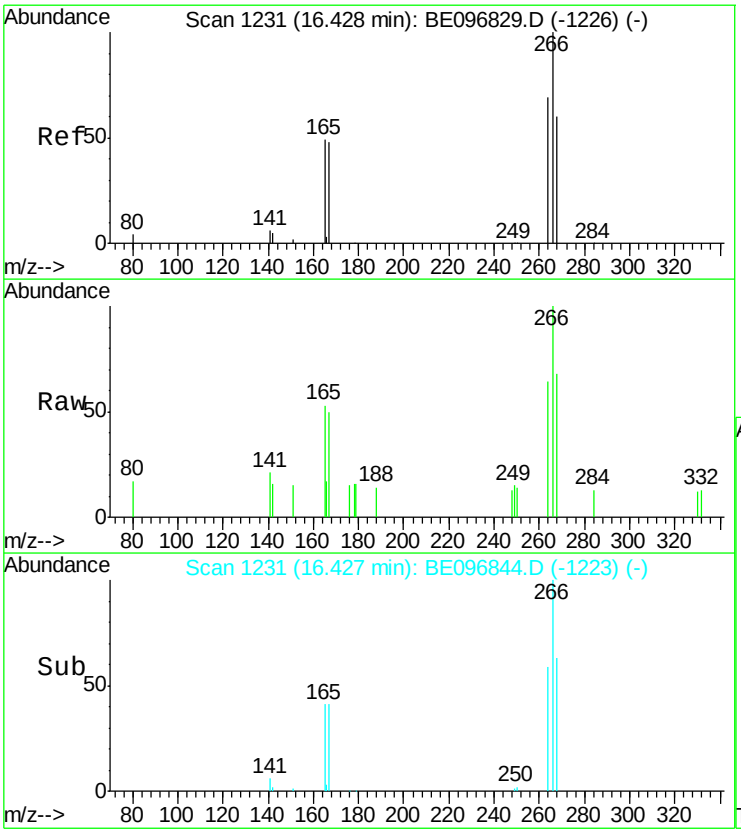
#21
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.09 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:284 Resp: 2813

Ion	Ratio	Lower	Upper
284	100		
142	38.4	22.1	33.1#
249	30.5	34.8	52.2#

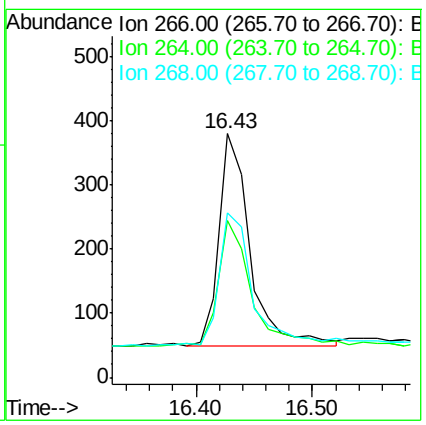


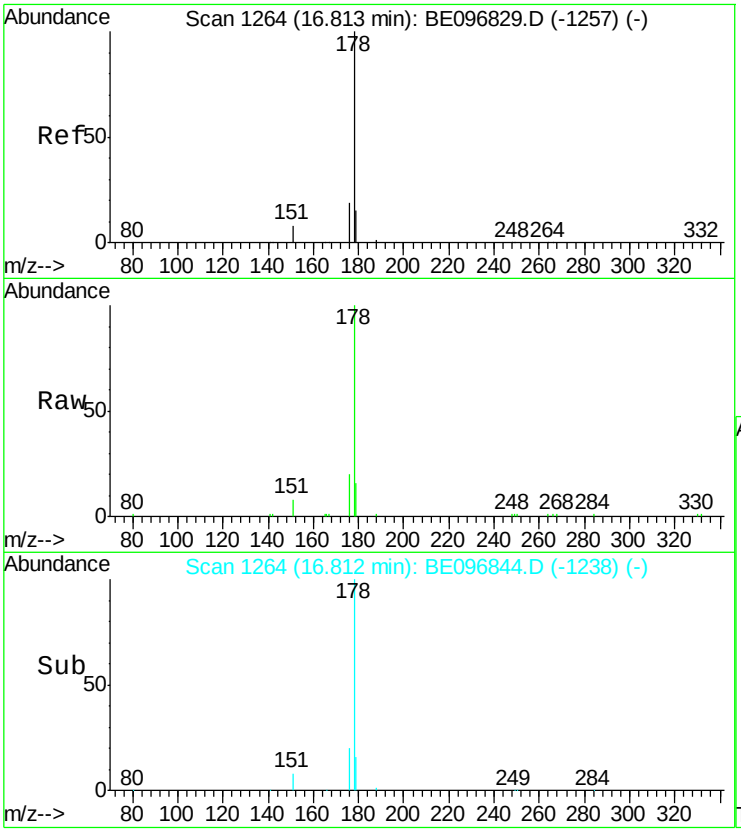


#22
Pentachlorophenol
Concen: 0.519 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:266 Resp: 610

Ion	Ratio	Lower	Upper
266	100		
264	64.4	72.5	108.7#
268	67.8	73.8	110.6#



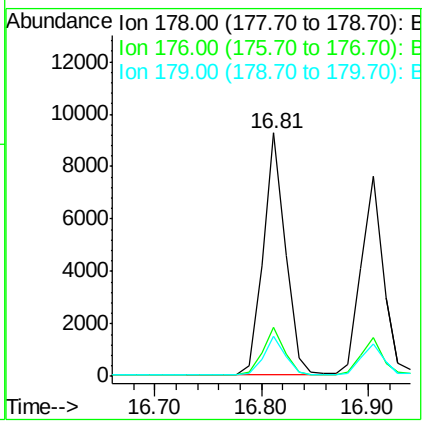


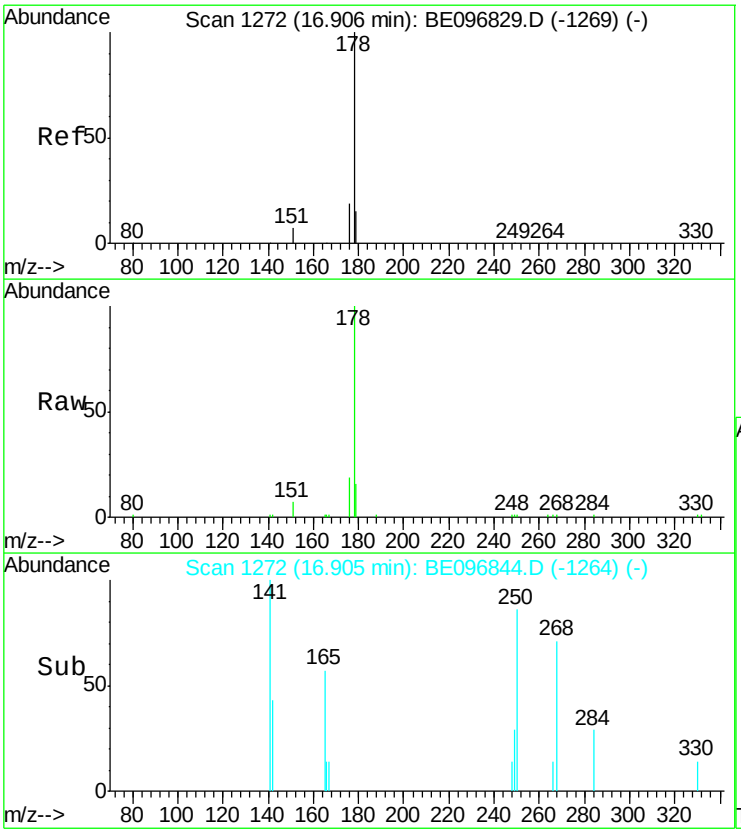
#23
Phenanthrene
Concen: 0.374 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:178 Resp: 13385

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.8	11.8	17.6

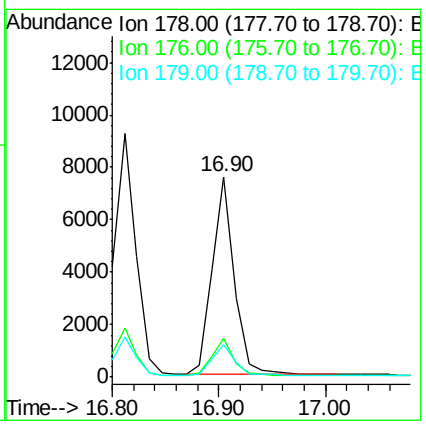


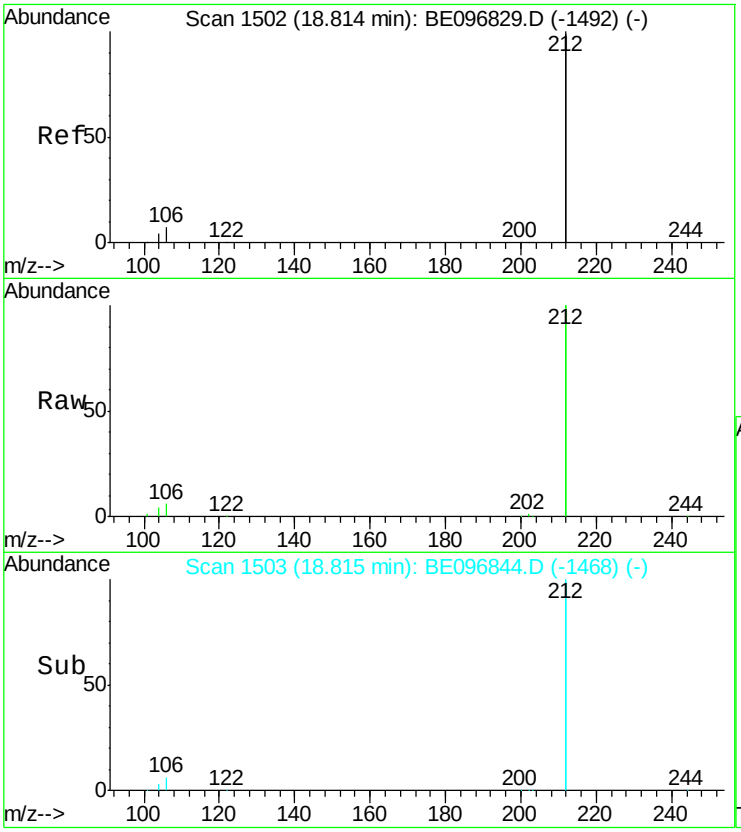


#24
Anthracene
Concen: 0.368 ng
RT: 16.90 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:178 Resp: 10889

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	15.8	13.0	19.6



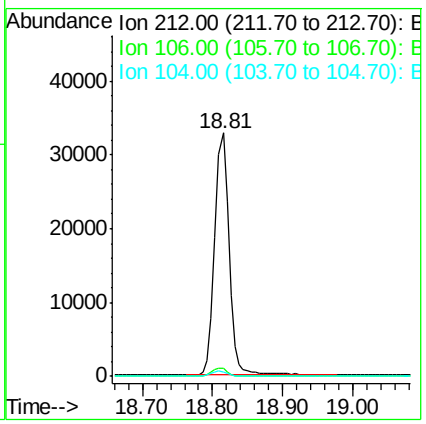


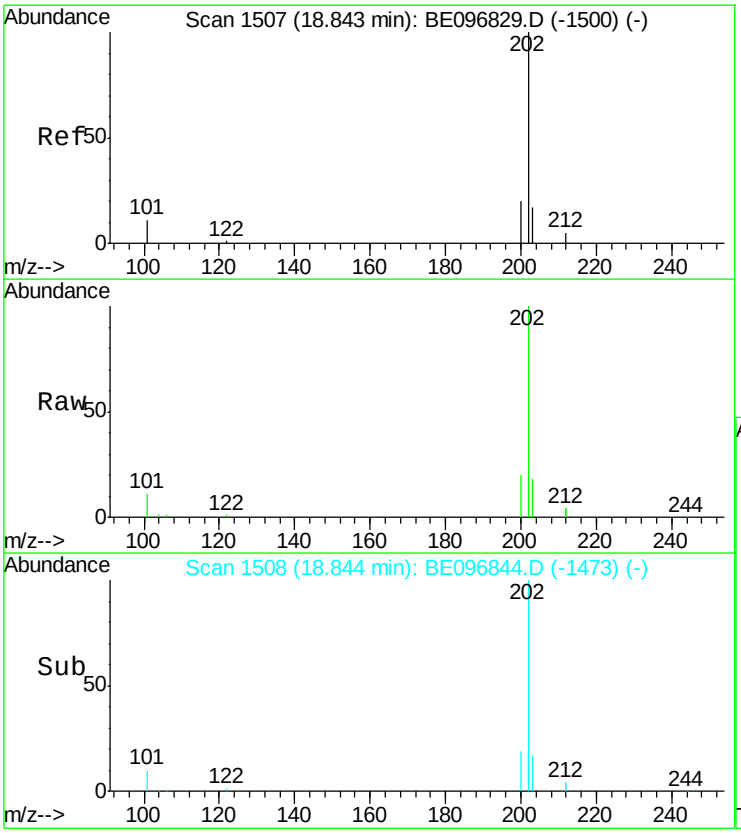
#25
Fluoranthene-d10
Concen: 0.364 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:212 Resp: 46664

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	1.9	1.6	2.4

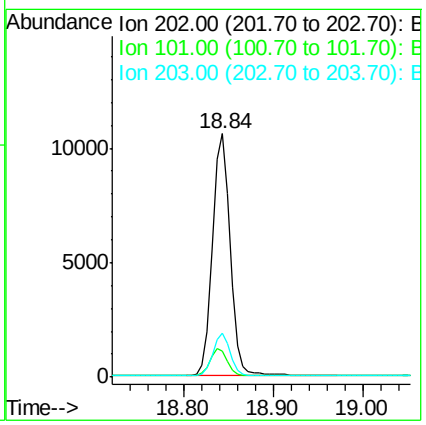


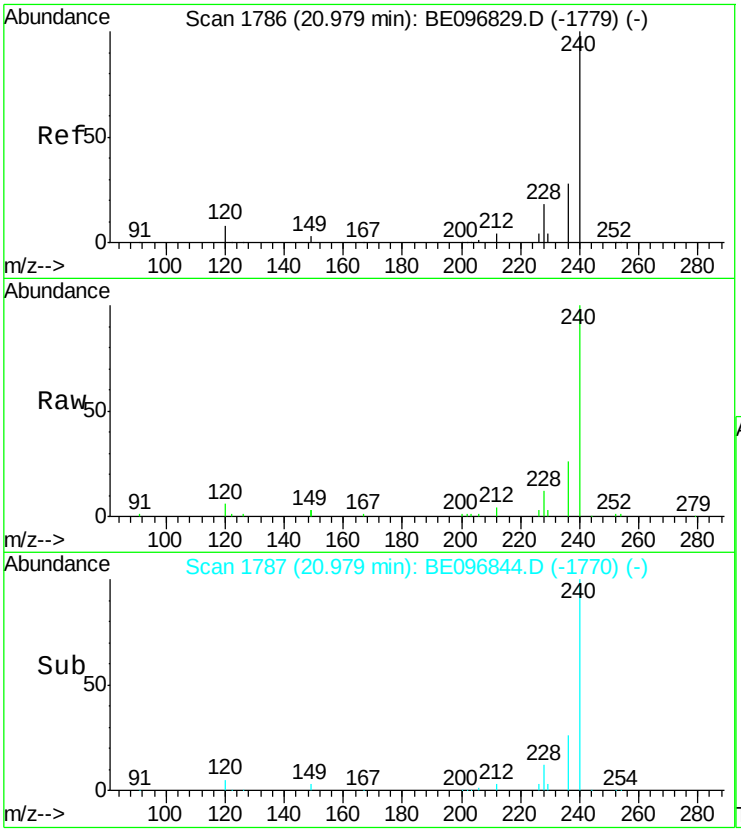


#26
Fluoranthene
Concen: 0.406 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:202 Resp: 14689

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.0	13.7	20.5



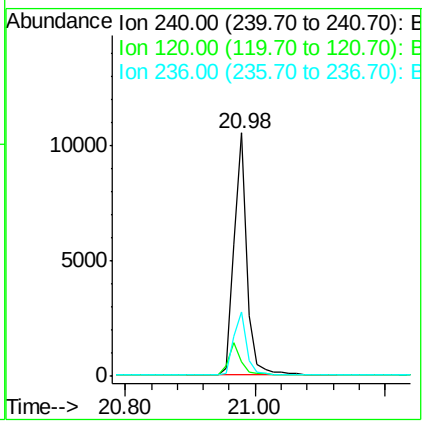


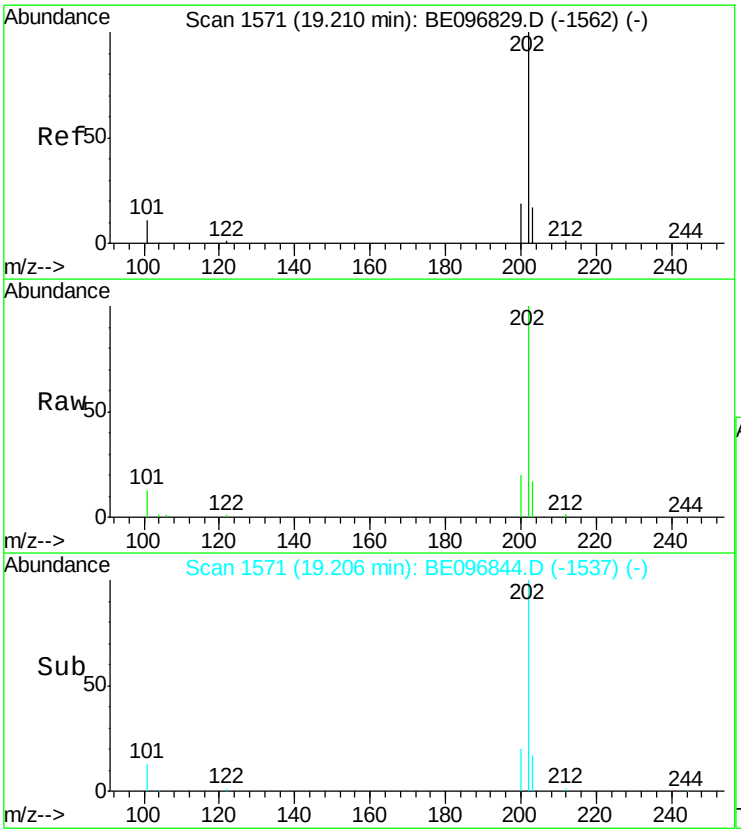
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:240 Resp: 14810

Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.5	8.3
236	26.2	20.7	31.1

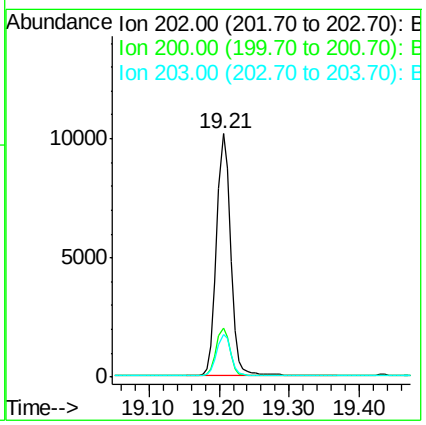


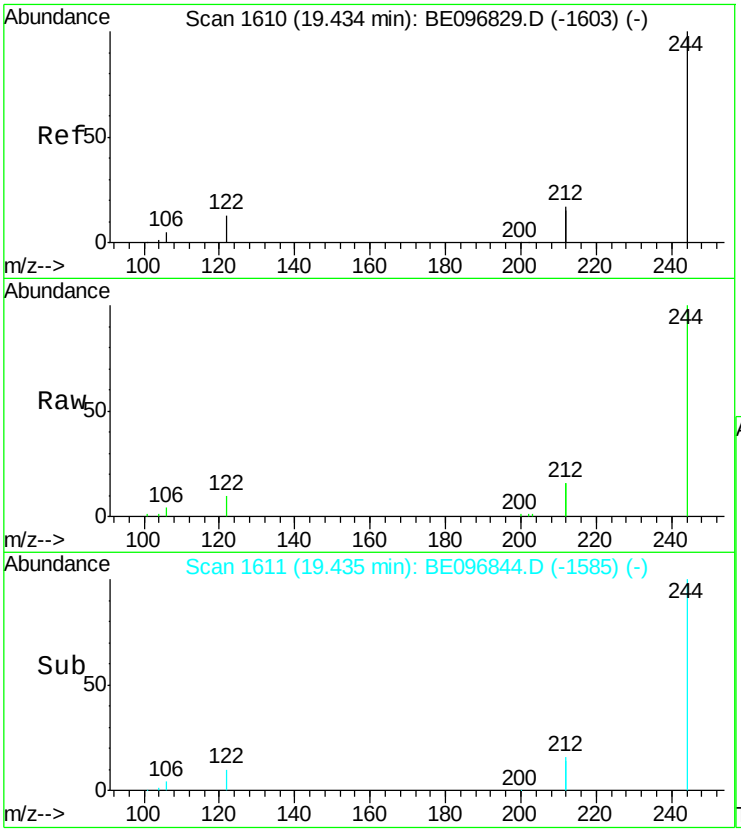


#28
Pyrene
Concen: 0.329 ng
RT: 19.21 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:202 Resp: 14088

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	25.0
203	17.6	13.8	20.8



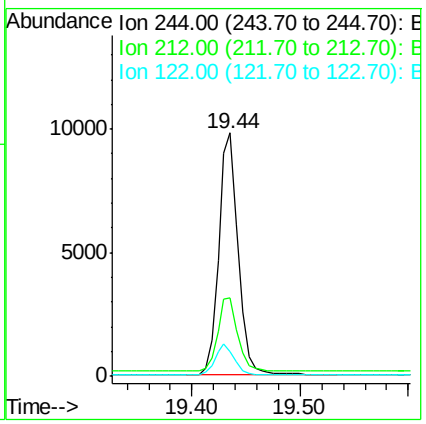


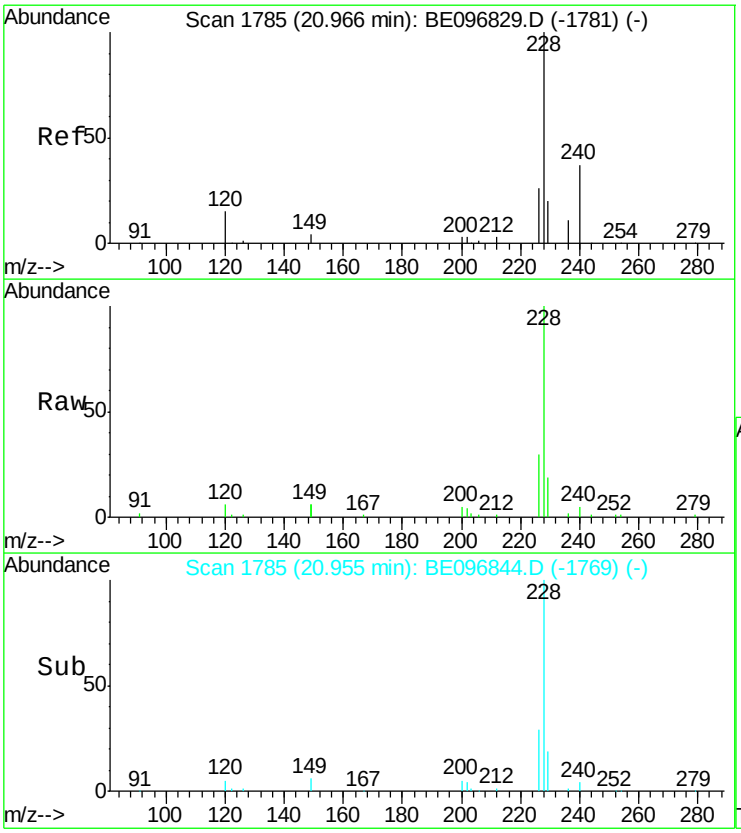
#29
Terphenyl-d14
Concen: 0.428 ng
RT: 19.44 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:244 Resp: 12222

Ion	Ratio	Lower	Upper
244	100		
212	32.1	25.4	38.0
122	10.0	8.1	12.1

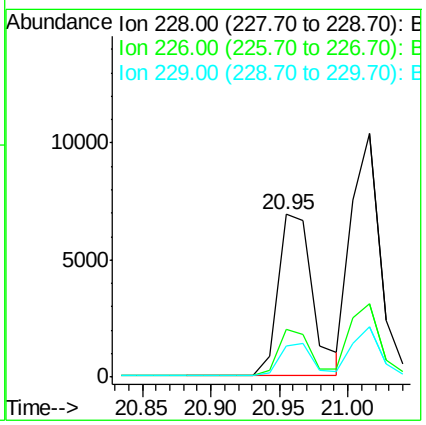


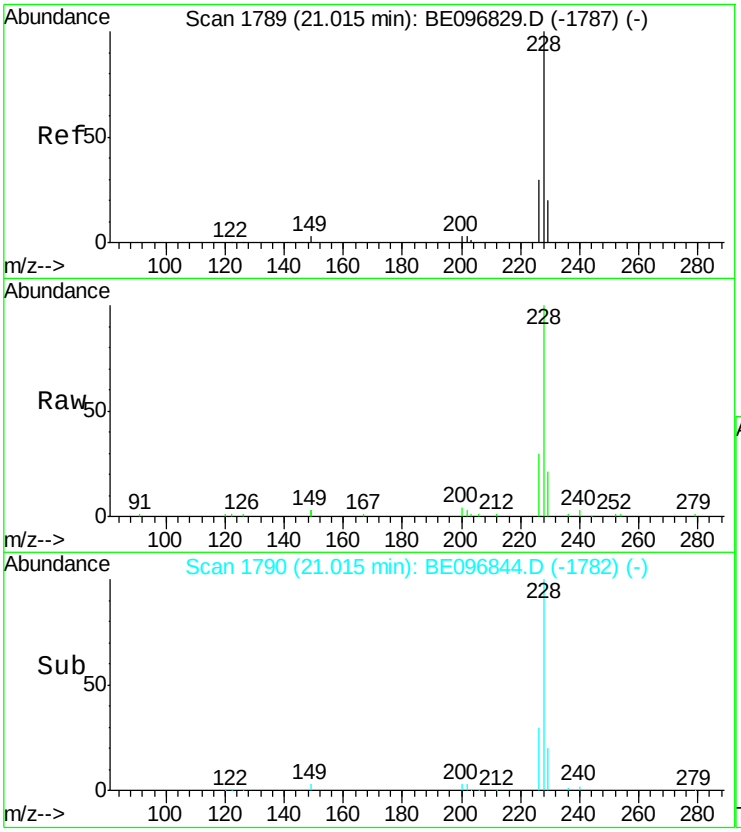


#30
Benzo(a)anthracene
Concen: 0.369 ng
RT: 20.95 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:228 Resp: 12110

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.2	16.0	24.0



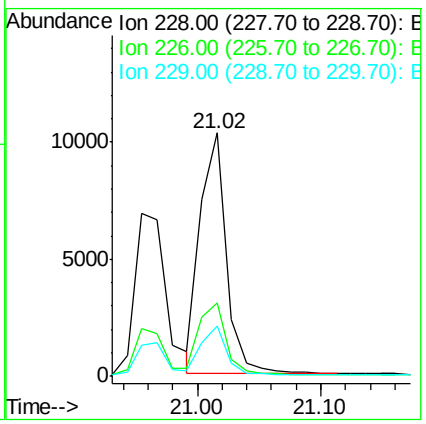


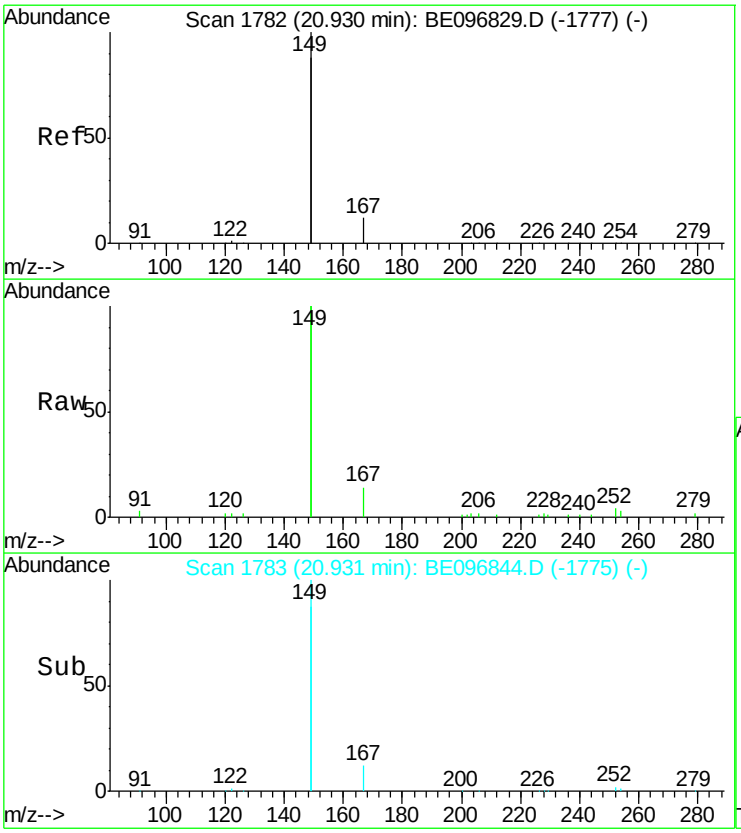
#31
Chrysene
Concen: 0.375 ng
RT: 21.02 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:228 Resp: 15182

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.7	16.0	24.0

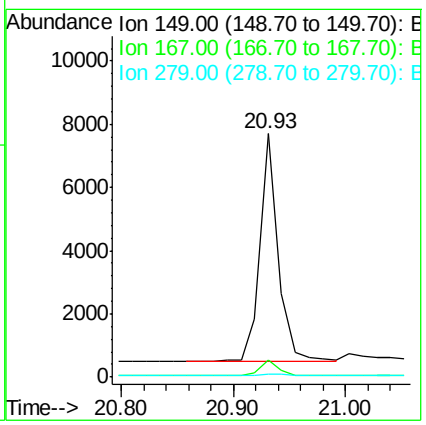


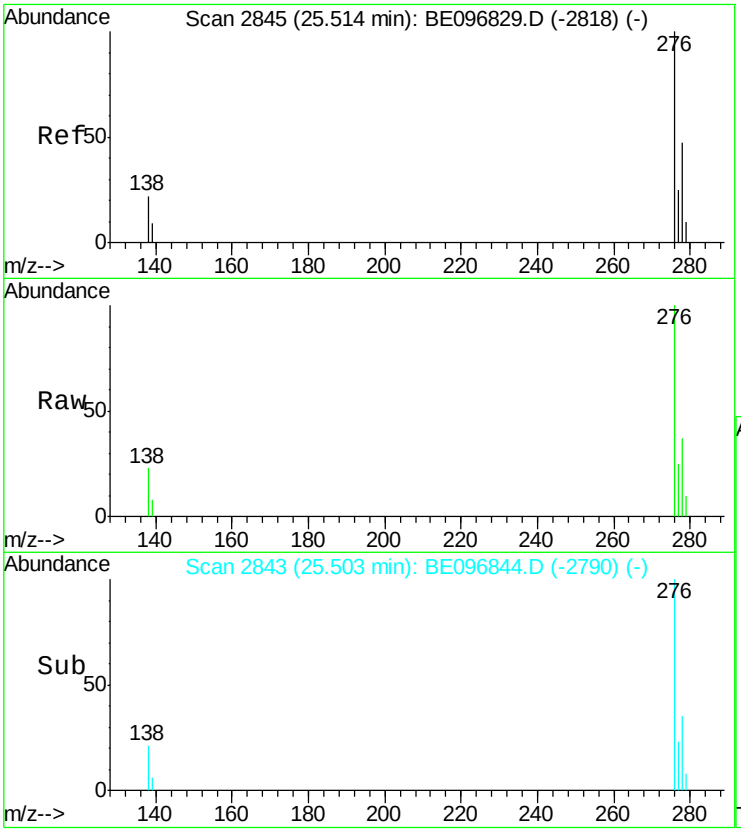


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.276 ng
RT: 20.93 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:149 Resp: 8117

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	0.7	0.7	1.1#



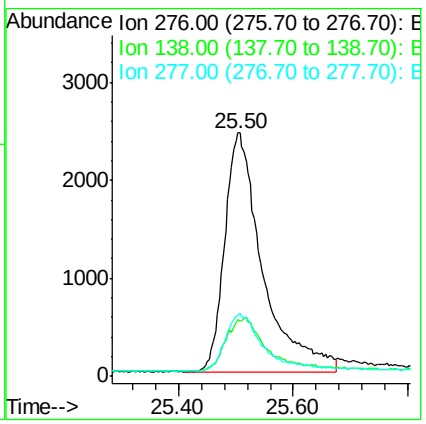


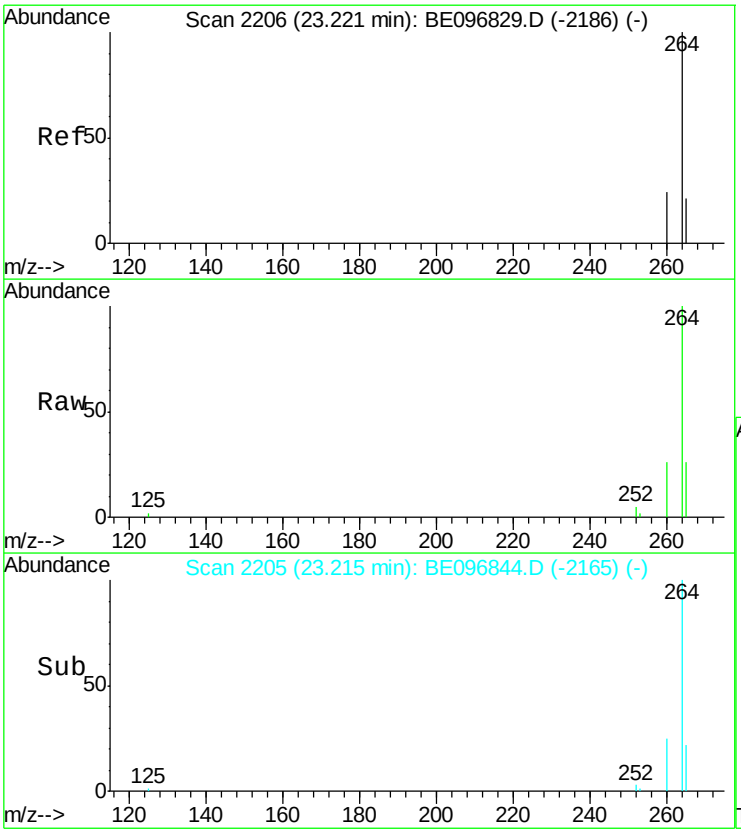
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 25.50 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:276 Resp: 11215

Ion	Ratio	Lower	Upper
276	100		
138	21.6	22.5	33.7#
277	24.2	19.9	29.9

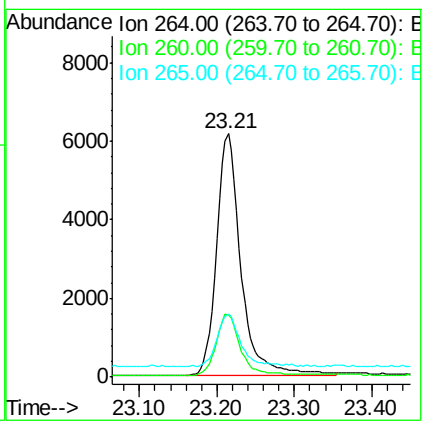


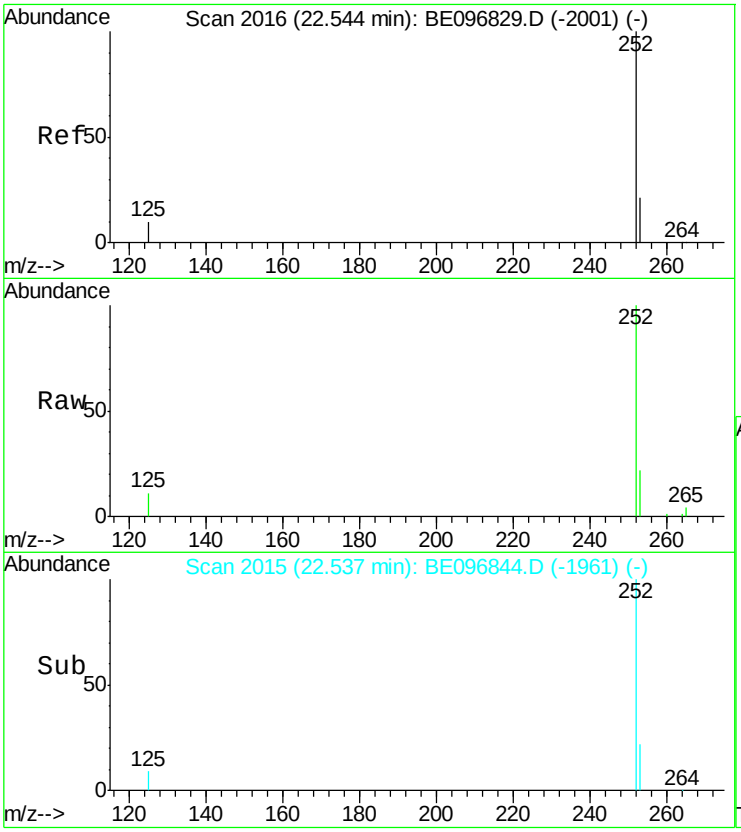


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:264 Resp: 13309

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	25.7	22.8	34.2



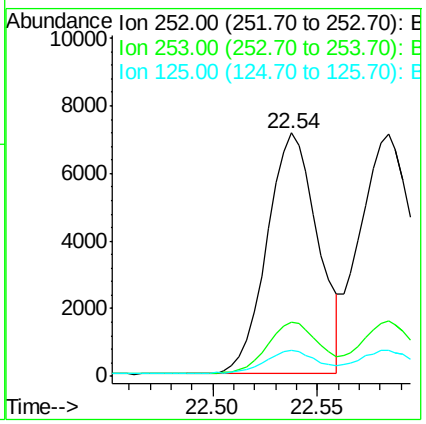


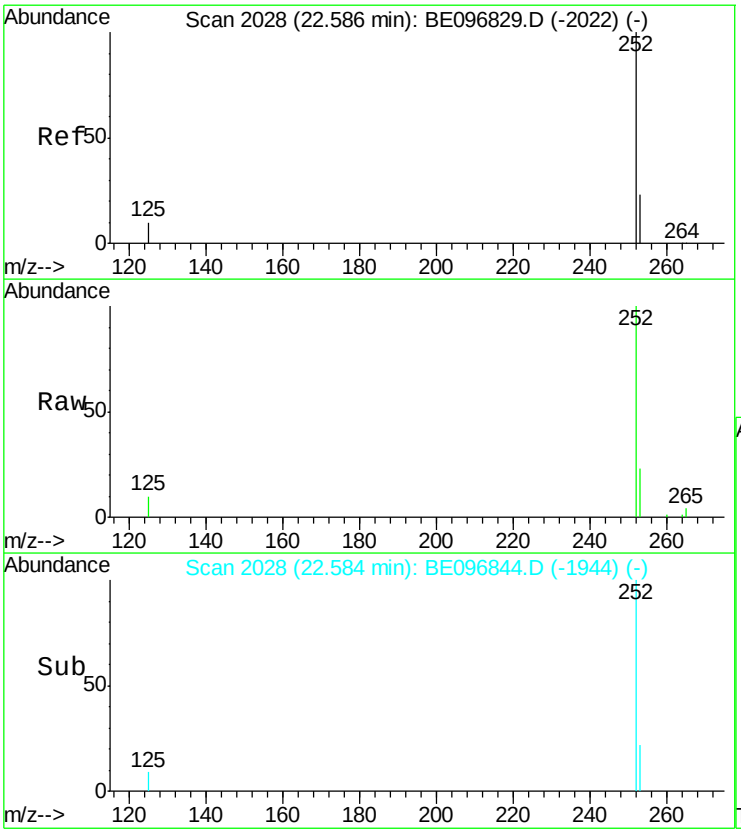
#35
Benzo(b)fluoranthene
Concen: 0.331 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:252 Resp: 12027

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.0	30.0
125	10.6	16.0	24.0#

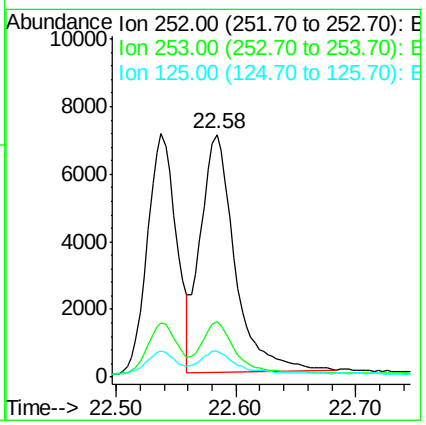


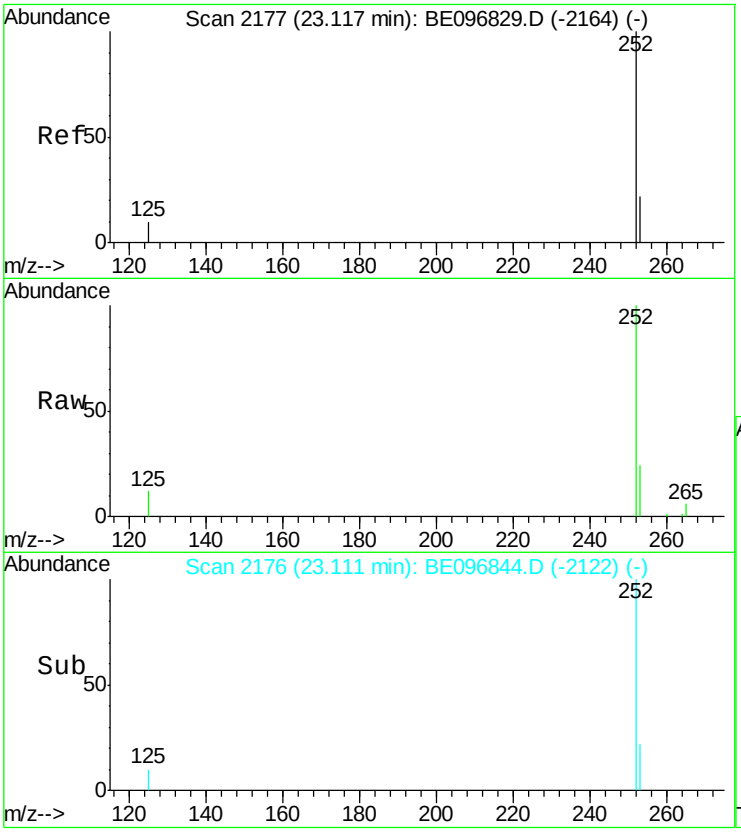


#36
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:252 Resp: 14094

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.0	24.0
125	10.5	8.0	12.0



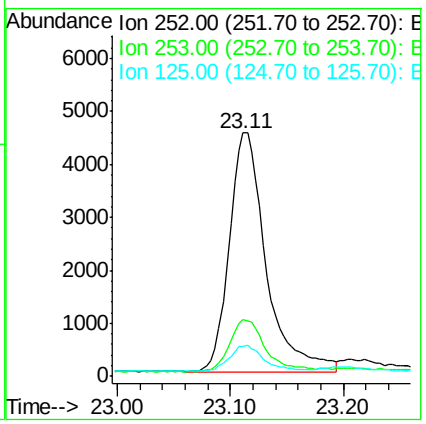


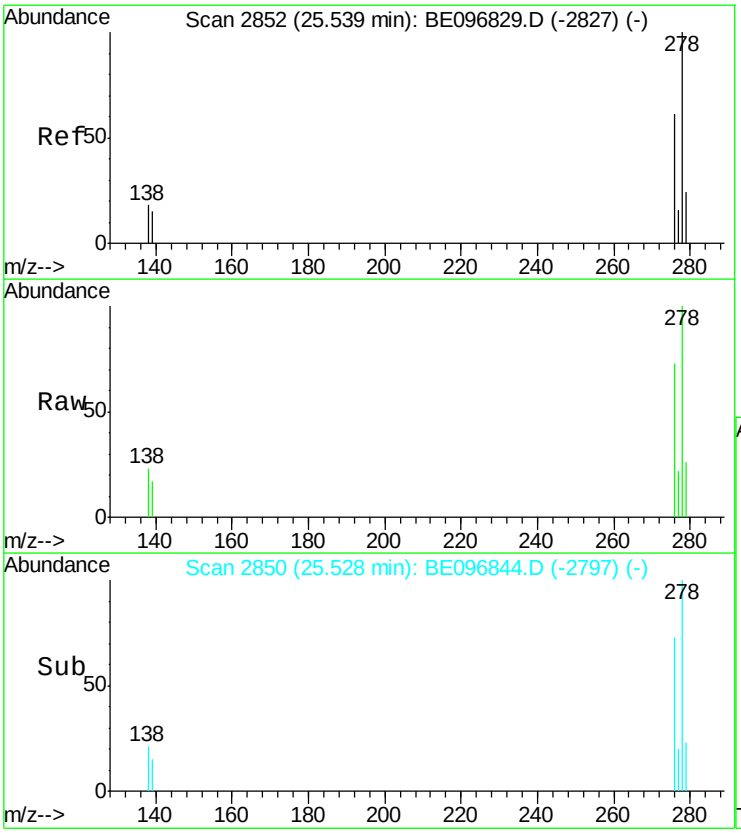
#37
Benzo(a)pyrene
Concen: 0.351 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:252 Resp: 10134

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	12.3	12.0	18.0

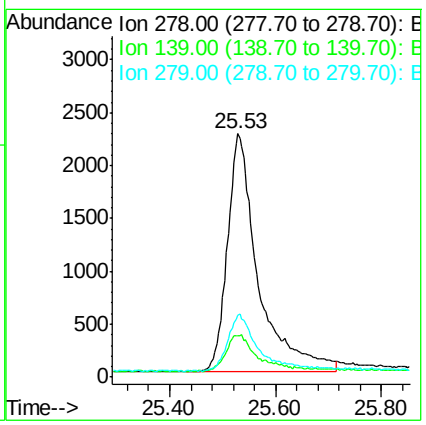


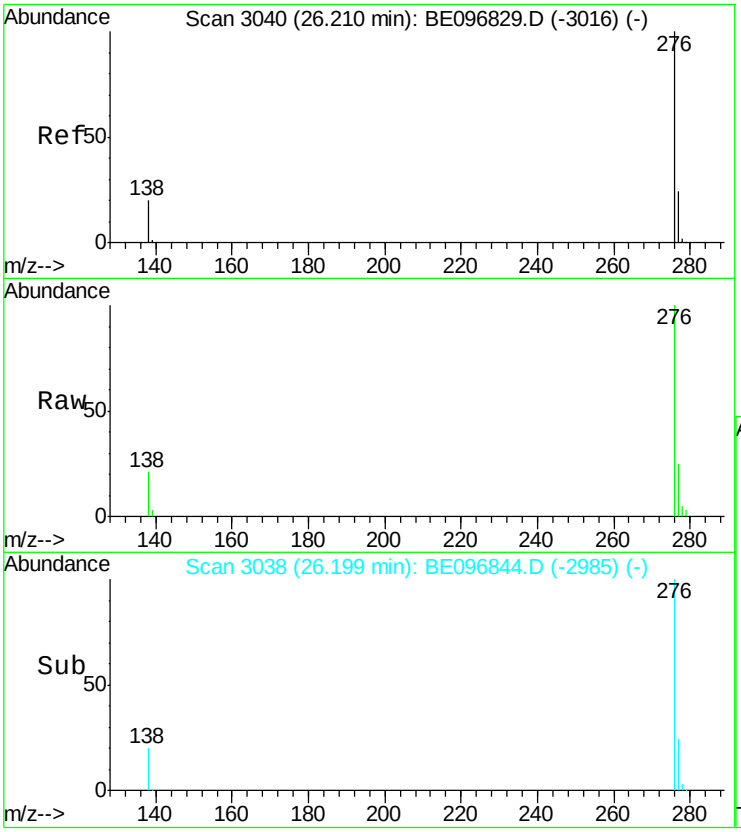


#38
Dibenzo(a,h)anthracene
Concen: 0.345 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:278 Resp: 9176

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	25.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.336 ng
RT: 26.20 min Scan# 3038
Delta R.T. -0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

Tgt Ion:276 Resp: 10822

Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0#
138	21.4	20.0	30.0