Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
Data File : BE096834.D
Acq On : 20 Jun 2018 15:30
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE062018

Quant Time: Jun 20 16:08:14 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	2709	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	13236	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	7209	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	20427	0.40	ng		0.00
27) Chrysene-d12	20.98	240	17534	0.40	ng		0.00
34) Perylene-d12	23.22	264	14409	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	2076	0.34	ng		0.00
5) Phenol-d6	6.60	99	3123	0.35	ng		0.00
8) Nitrobenzene-d5	8.53	82	2776	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	6495	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	566	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	9393	0.36	ng		0.00
25) Fluoranthene-d10	18.81	212	60795	0.34	ng		0.00
29) Terphenyl-d14	19.43	244	12221	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	1555	0.383	ng	#	88
3) n-Nitrosodimethylamine	3.38	42	1499	0.349	ng	#	90
6) bis(2-Chloroethyl)ether	6.84	93	3431	0.346	ng		96
9) Naphthalene	10.20	128	41860	0.349	ng		99
10) Hexachlorobutadiene	10.50	225	1785	0.357	ng		96
12) 2-Methylnaphthalene	11.81	142	6782	0.340	ng		99
16) Acenaphthylene	13.74	152	10726	0.343	ng		100
17) Acenaphthene	14.08	154	7122	0.345	ng		93
18) Fluorene	15.08	166	8410	0.346	ng	#	81
20) 4-Bromophenyl-phenylether	15.99	248	3057	0.332	ng	#	79
21) Hexachlorobenzene	16.09	284	3529	0.336	ng	#	80
22) Pentachlorophenol	16.43	266	633	0.406	ng	#	77
23) Phenanthrene	16.81	178	16919	0.337	ng		99
24) Anthracene	16.91	178	14002	0.337	ng		96
26) Fluoranthene	18.84	202	17802	0.351	ng		99
28) Pyrene	19.21	202	18656	0.368	ng		99
30) Benzo(a)anthracene	20.97	228	13909	0.358	ng		96
31) Chrysene	21.02	228	16679	0.348	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	13605	0.391	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	12515	0.351	ng		95
35) Benzo(b)fluoranthene	22.54	252	12917	0.328	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	14706	0.350	ng		96
37) Benzo(a)pyrene	23.11	252	10859	0.348	ng		93
38) Dibenzo(a,h)anthracene	25.54	278	10387	0.355	ng		96
39) Benzo(g,h,i)perylene	26.21	276	11509	0.330	ng	#	92

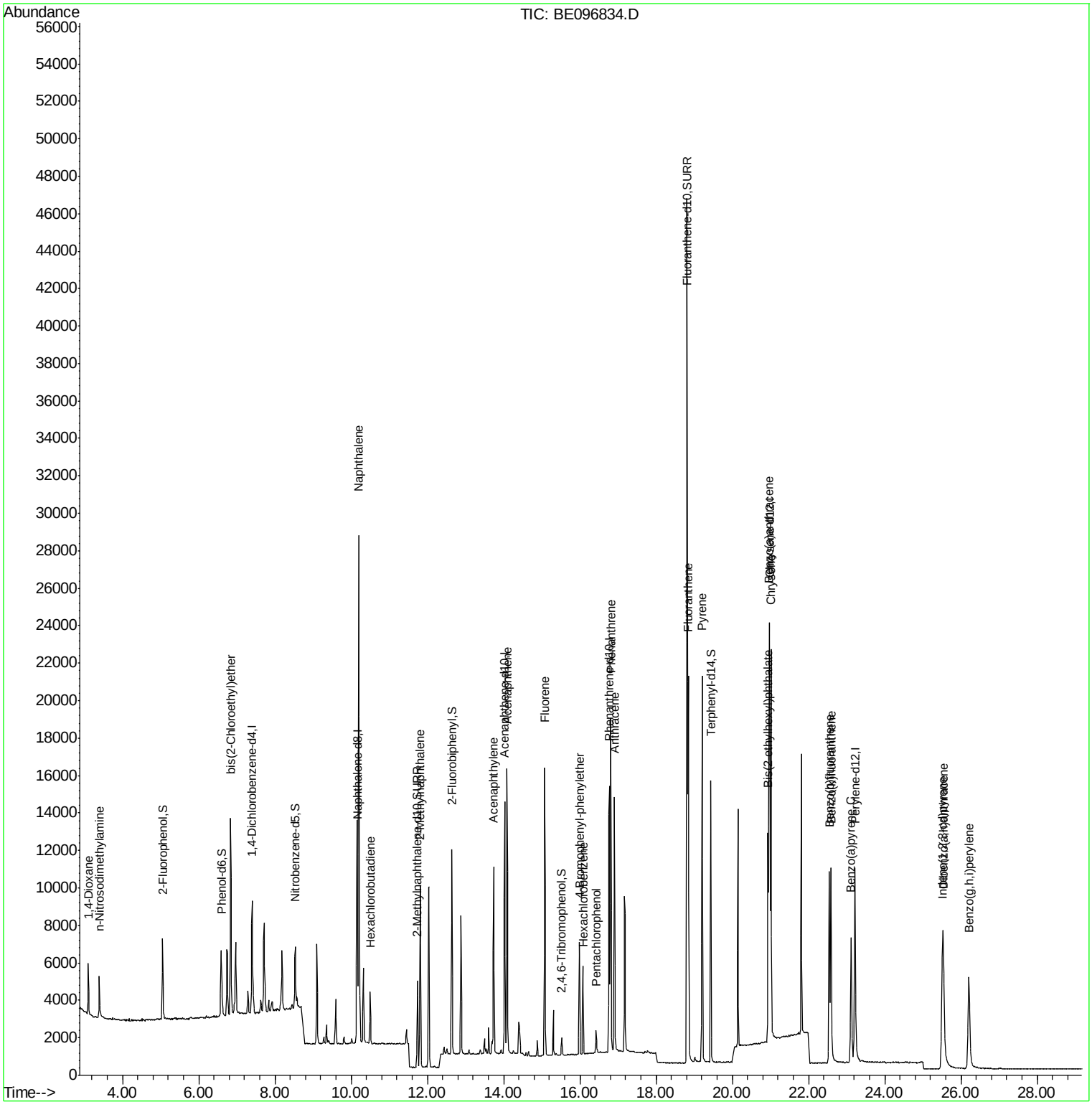
(#) = qualifier out of range (m) = manual integration (+) = signals summed

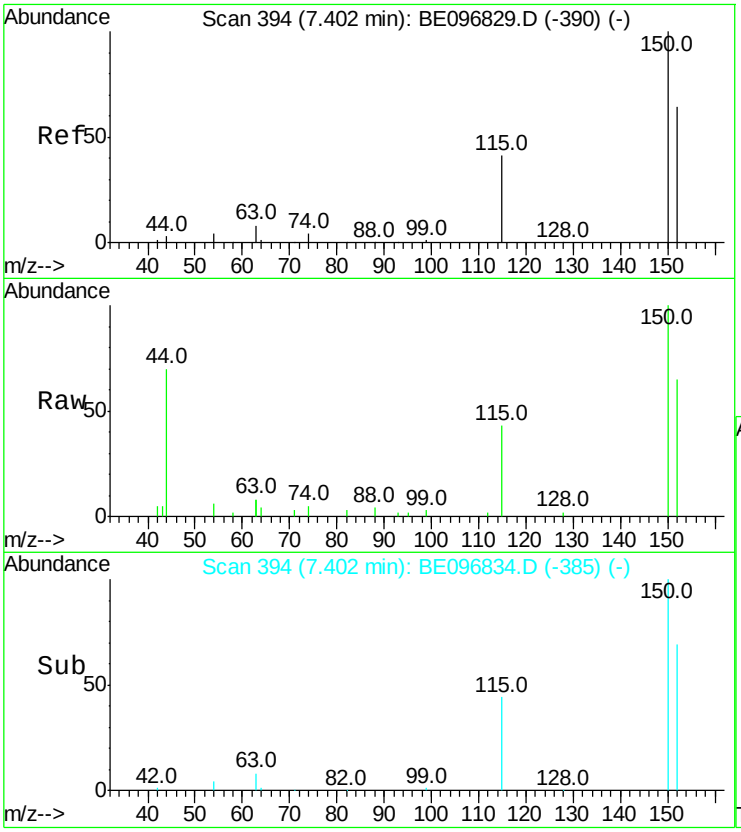
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
Data File : BE096834.D
Acq On : 20 Jun 2018 15:30
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Quant Time: Jun 20 16:08:14 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



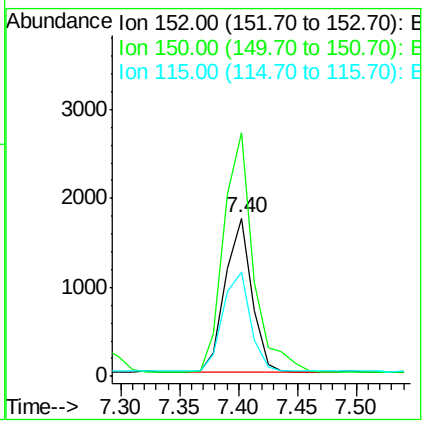


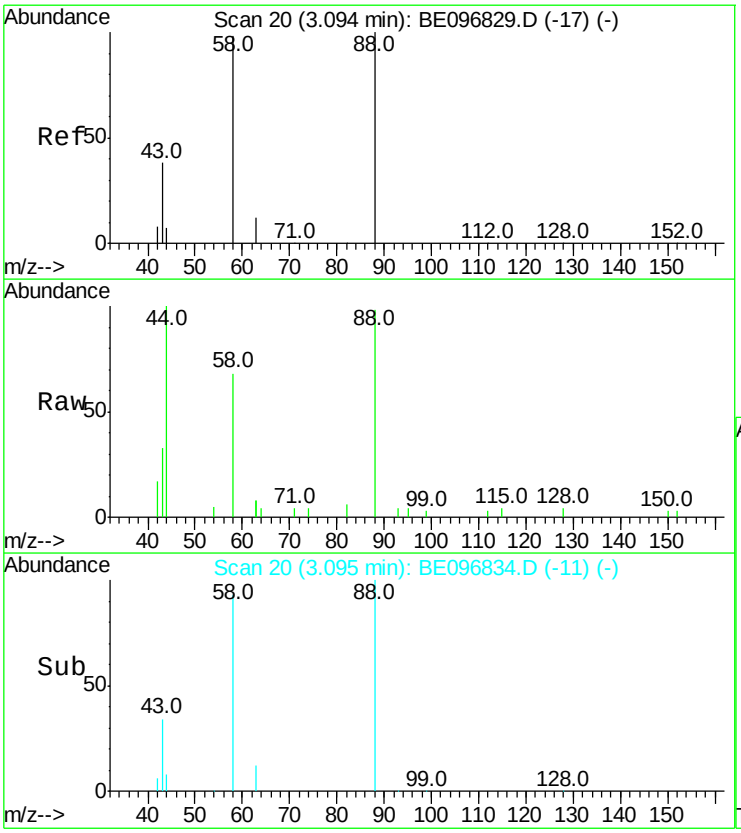
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:152 Resp: 2709

Ion	Ratio	Lower	Upper
152	100		
150	153.6	117.2	175.8
115	65.6	57.0	85.6

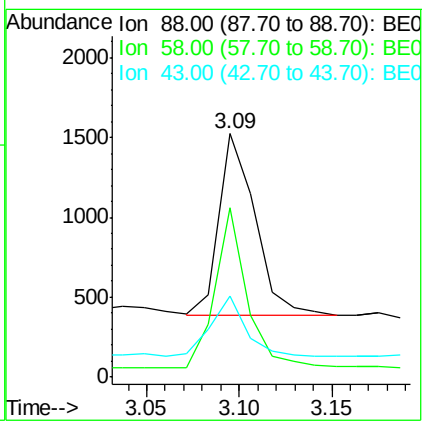


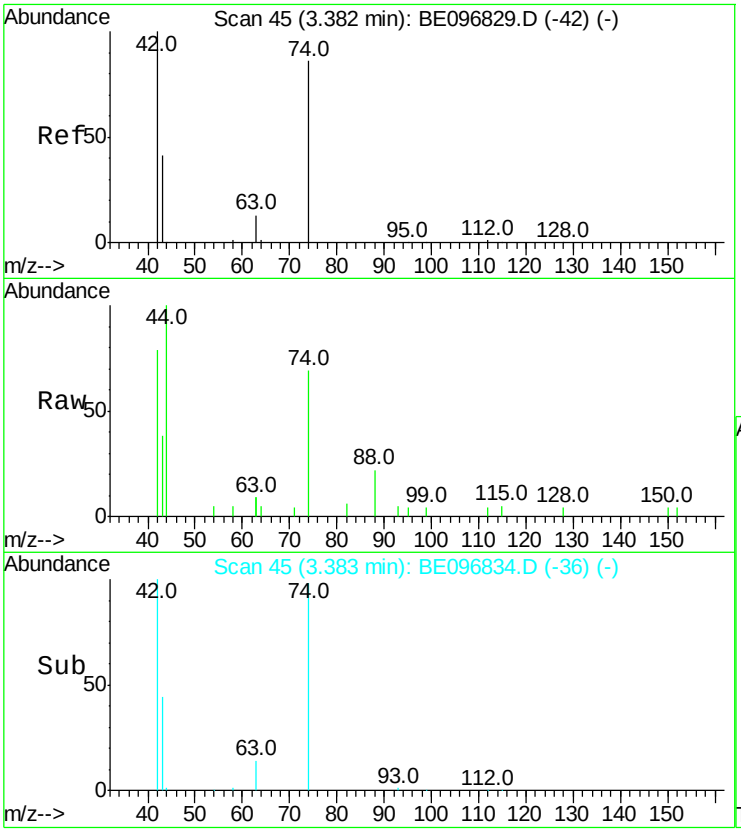


#2
1,4-Dioxane
Concen: 0.383 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion: 88 Resp: 1555

Ion	Ratio	Lower	Upper
88	100		
58	76.8	63.2	94.8
43	32.5	41.2	61.8#



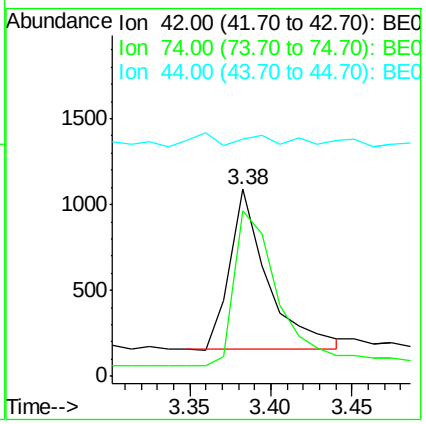


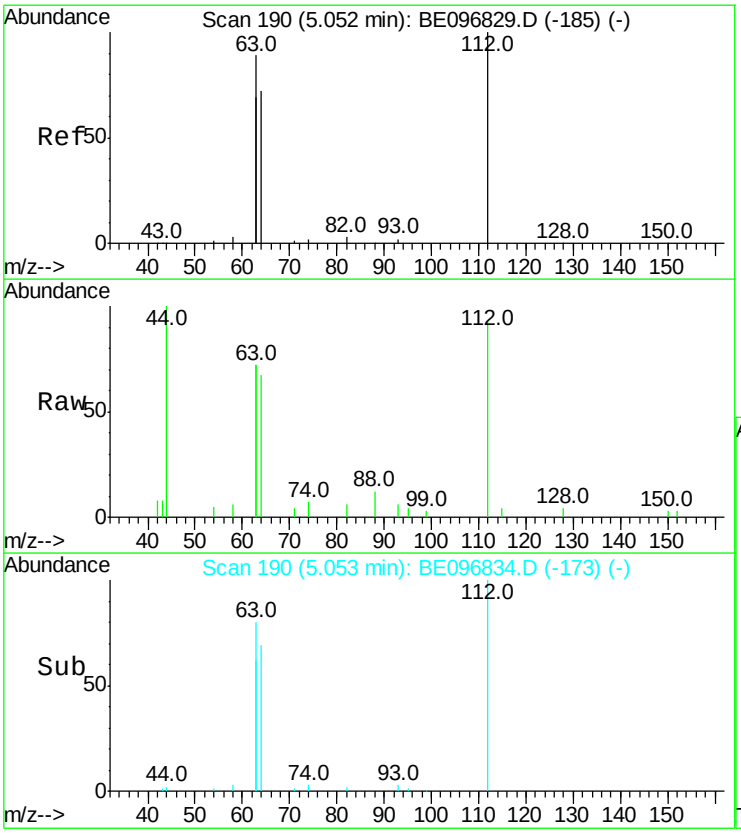
#3
n-Nitrosodimethylamine
Concen: 0.349 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion: 42 Resp: 1499

Ion	Ratio	Lower	Upper
42	100		
74	112.5	96.0	144.0
44	0.0	12.0	18.0#

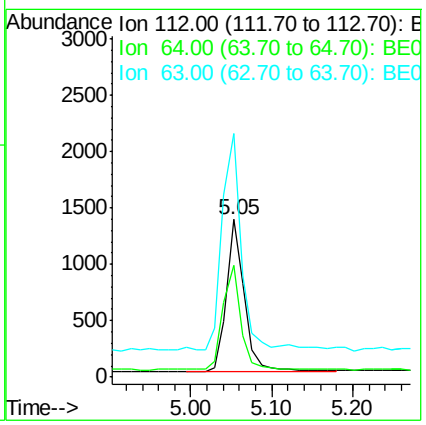


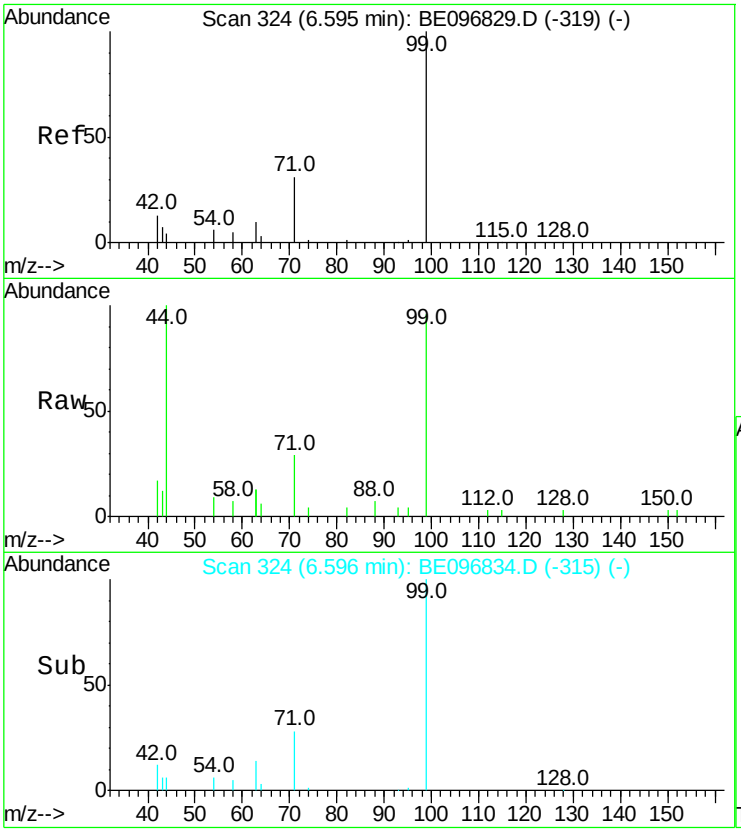


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:112 Resp: 2076

Ion	Ratio	Lower	Upper
112	100		
64	67.7	60.1	90.1
63	156.1	116.8	175.2



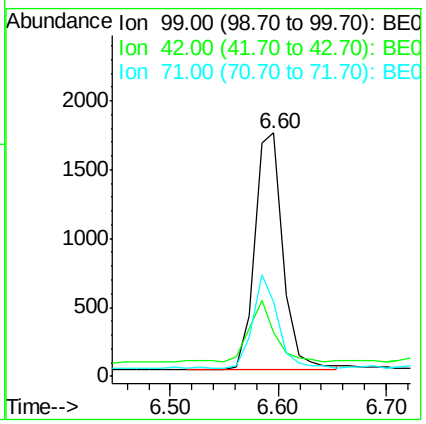


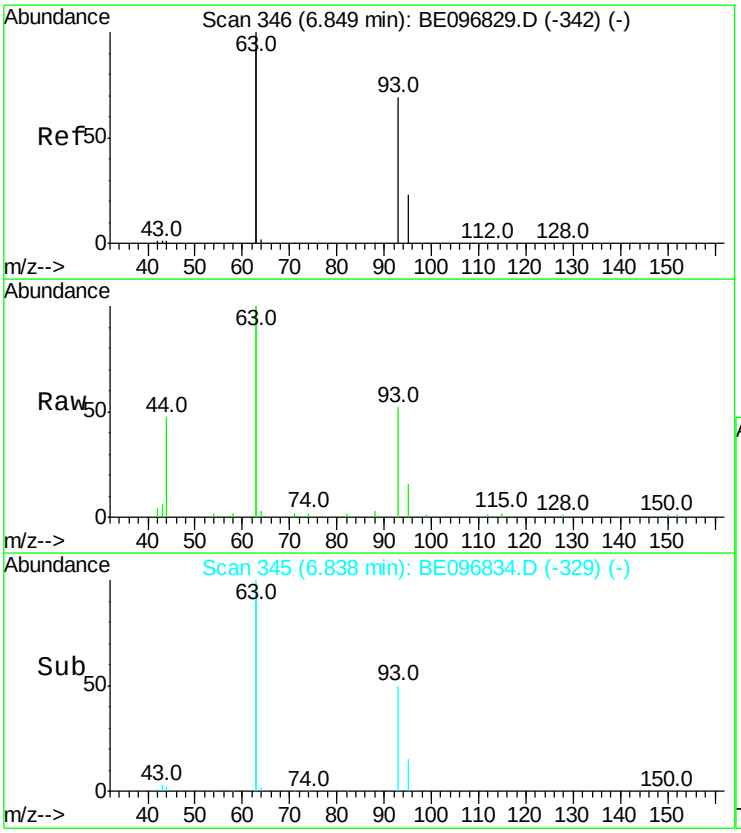
#5
Phenol-d6
Concen: 0.346 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion: 99 Resp: 3123

Ion	Ratio	Lower	Upper
99	100		
42	22.6	20.2	30.2
71	34.6	28.4	42.6

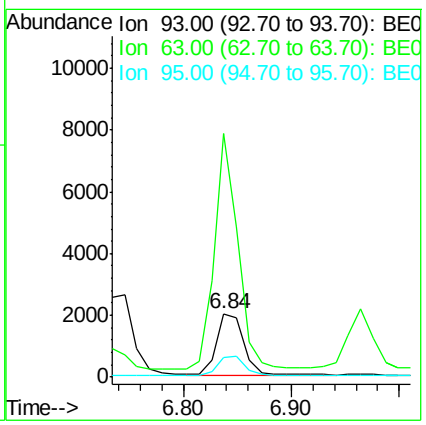


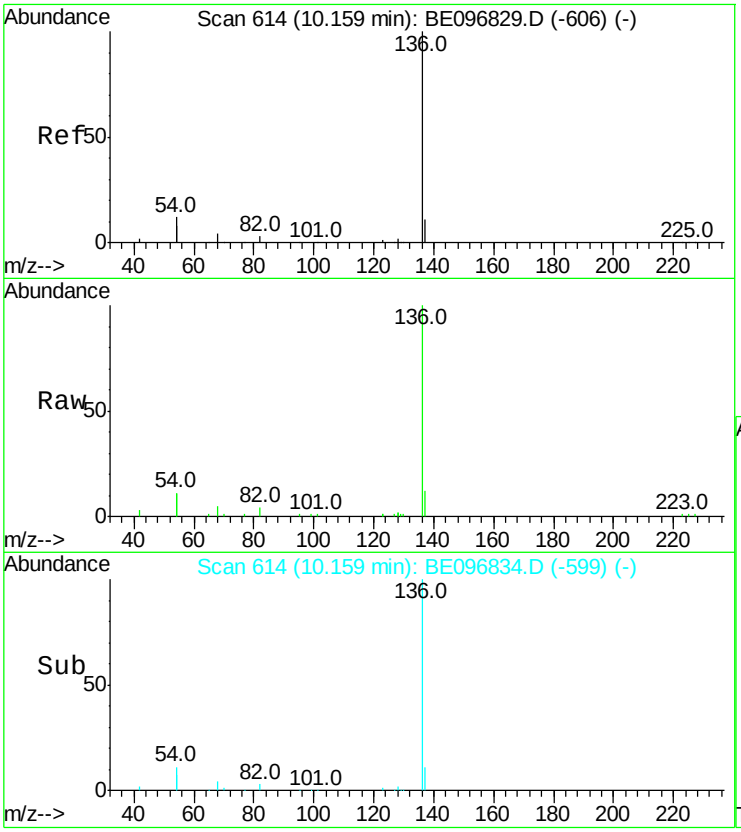


#6
bis(2-Chloroethyl)ether
Concen: 0.346 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.01 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion: 93 Resp: 3431

Ion	Ratio	Lower	Upper
93	100		
63	335.2	275.3	412.9
95	31.8	25.2	37.8



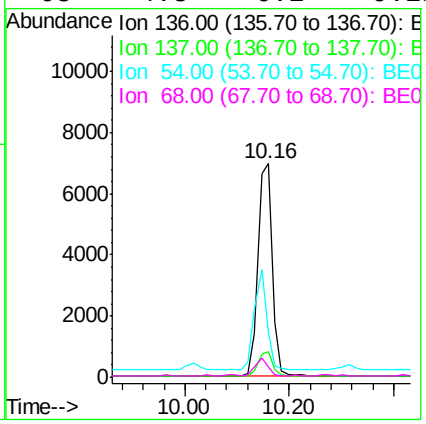


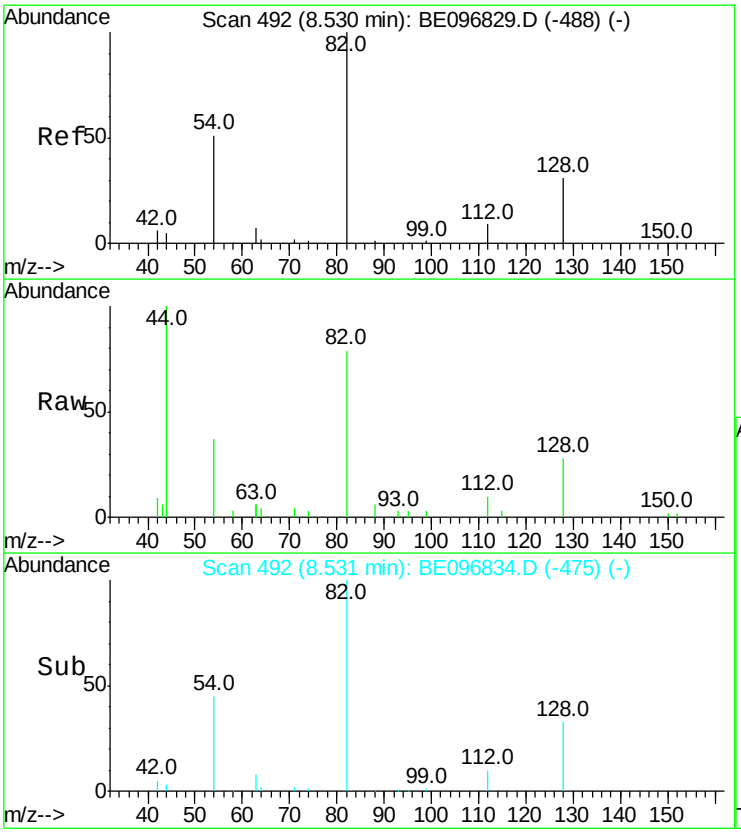
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:136 Resp: 13236

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	21.2	29.1	43.7#
68	4.8	6.2	9.2#

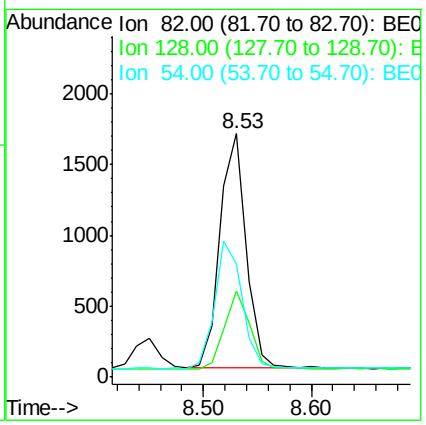


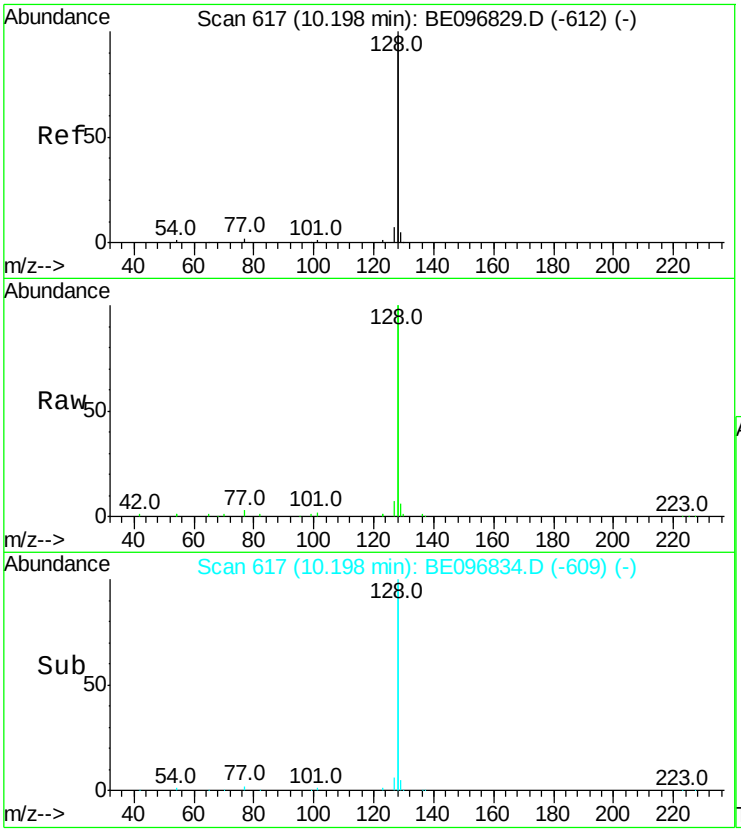


#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion: 82 Resp: 2776

Ion	Ratio	Lower	Upper
82	100		
128	35.6	24.0	36.0
54	46.5	40.0	60.0



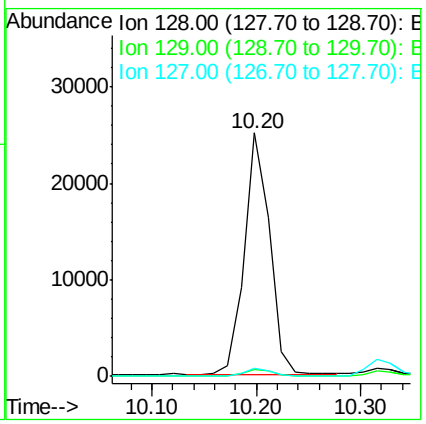


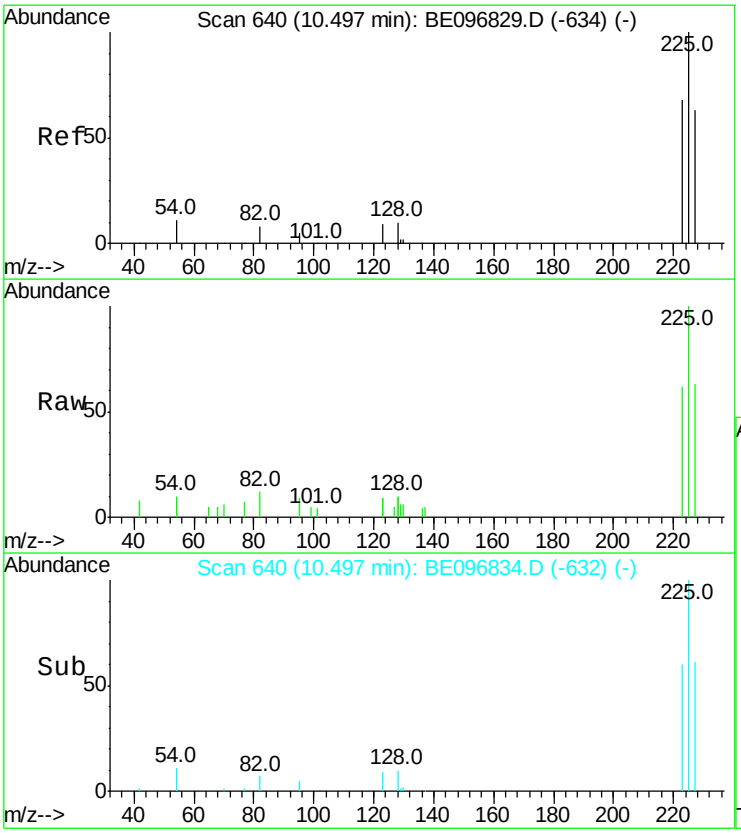
#9
Naphthalene
Concen: 0.349 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:128 Resp: 41860

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

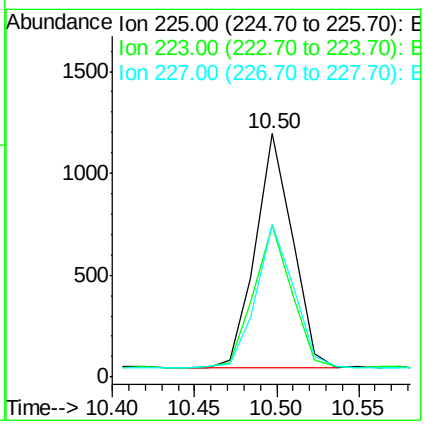


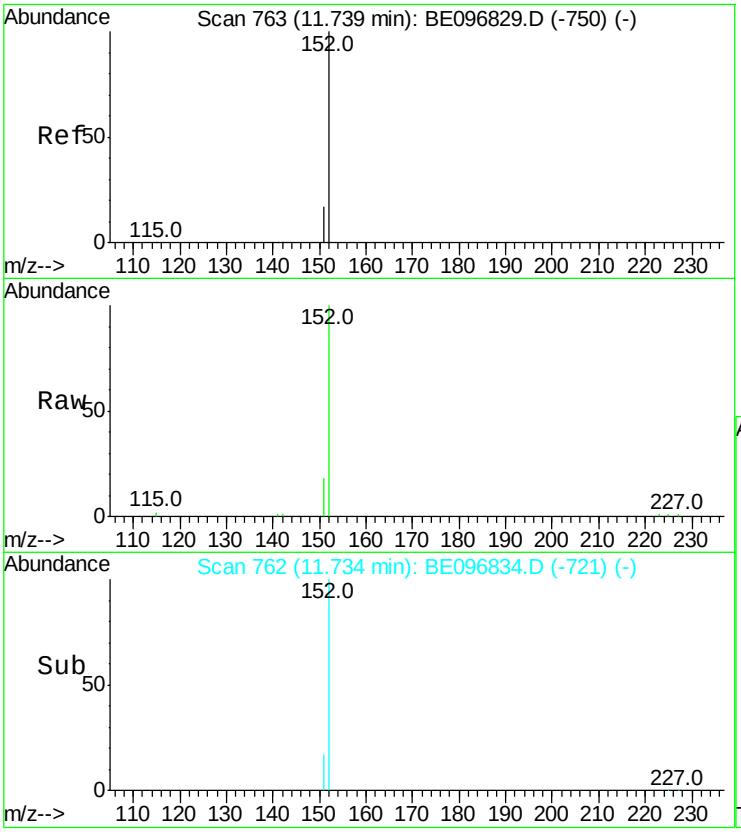


#10
Hexachlorobutadiene
Concen: 0.357 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:225 Resp: 1785

Ion	Ratio	Lower	Upper
225	100		
223	61.7	53.0	79.6
227	62.3	51.4	77.2



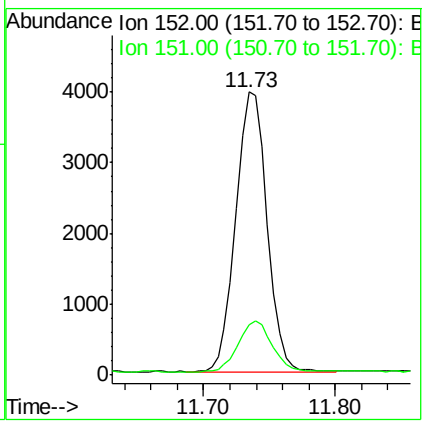


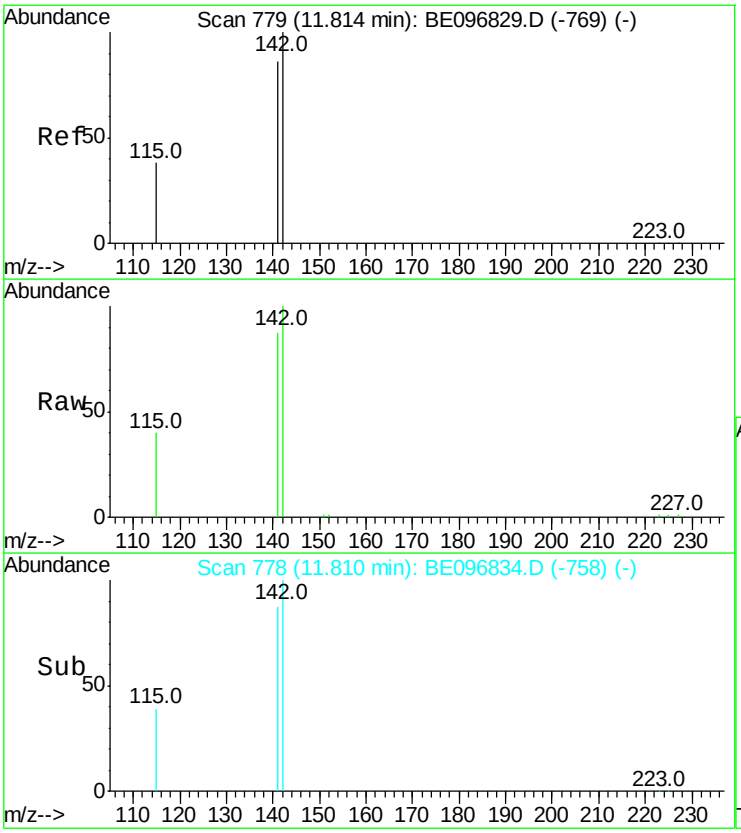
#11
2-Methylnaphthalene-d10
Concen: 0.341 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:152 Resp: 6495

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0

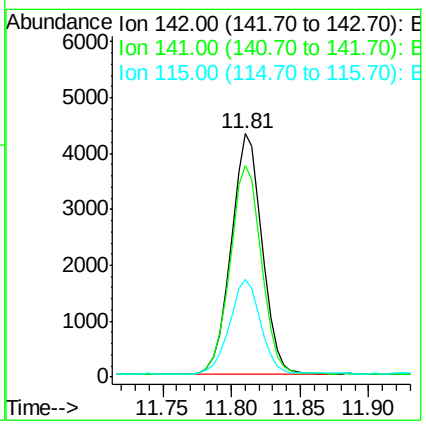


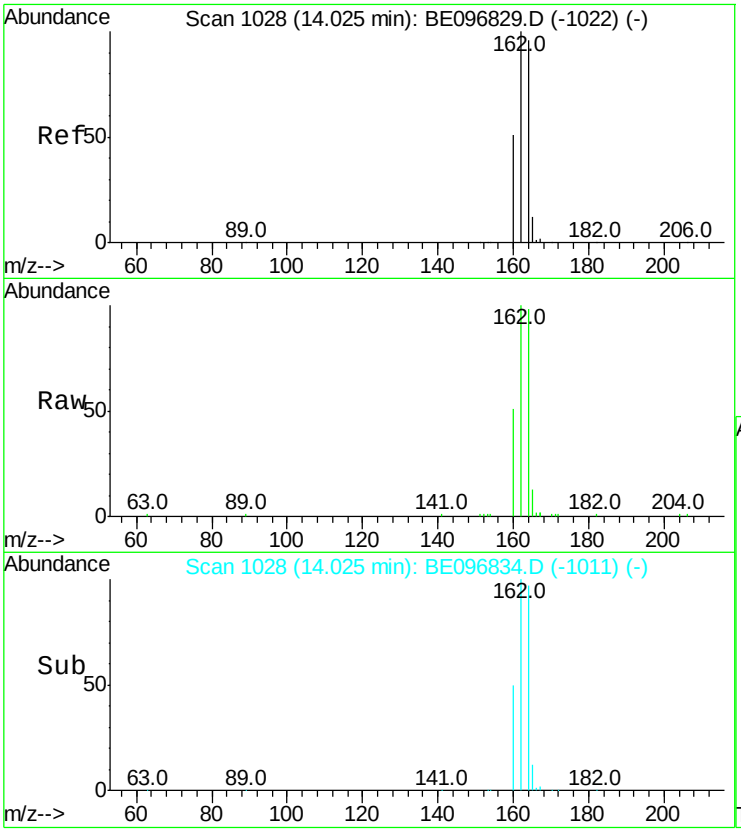


#12
2-Methylnaphthalene
Concen: 0.340 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:142 Resp: 6782

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.4	105.6
115	40.0	31.7	47.5



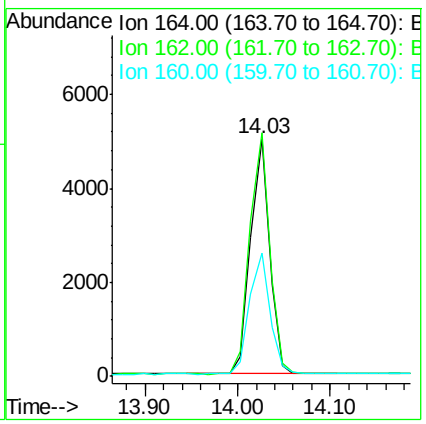


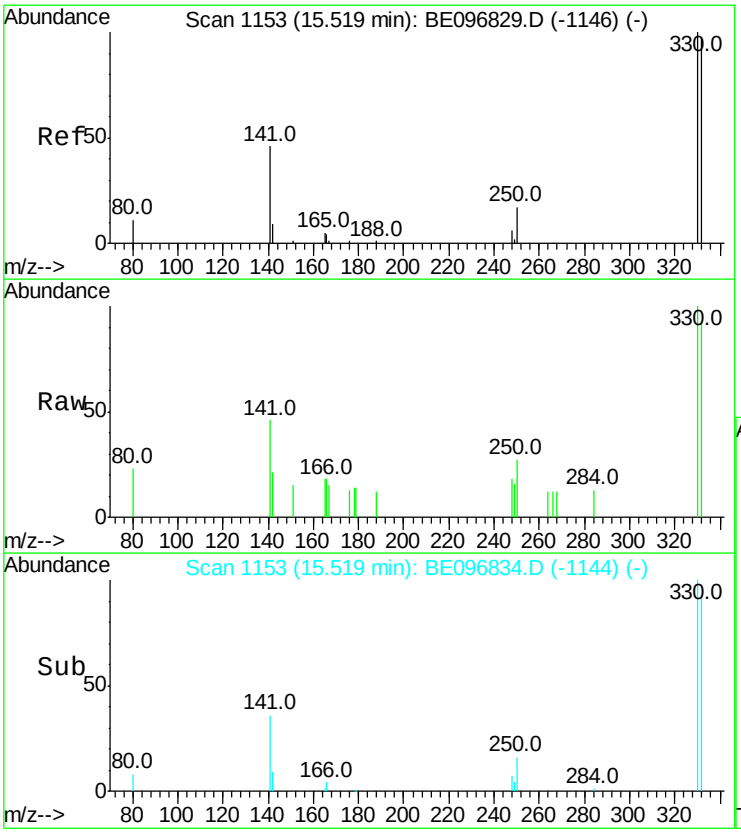
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:164 Resp: 7209

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.1	124.7
160	52.0	37.1	55.7

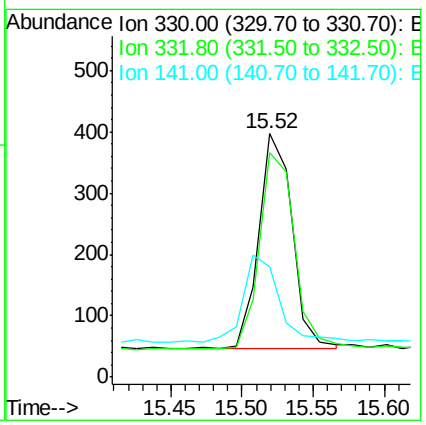


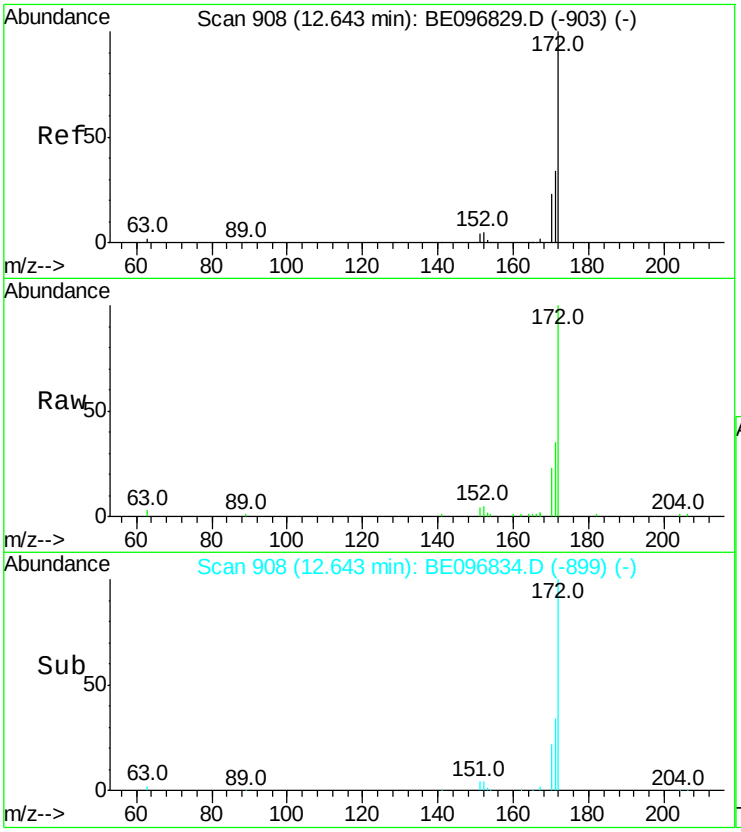


#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:330 Resp: 566

Ion	Ratio	Lower	Upper
330	100		
332	96.3	152.7	229.1#
141	42.9	33.7	50.5



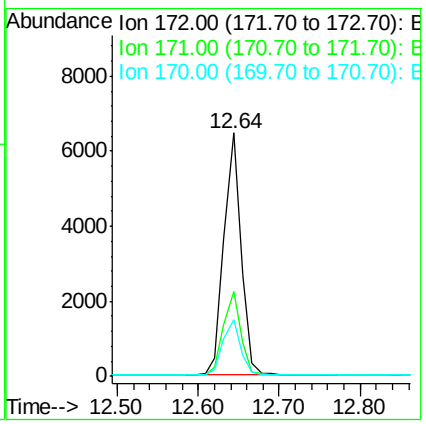


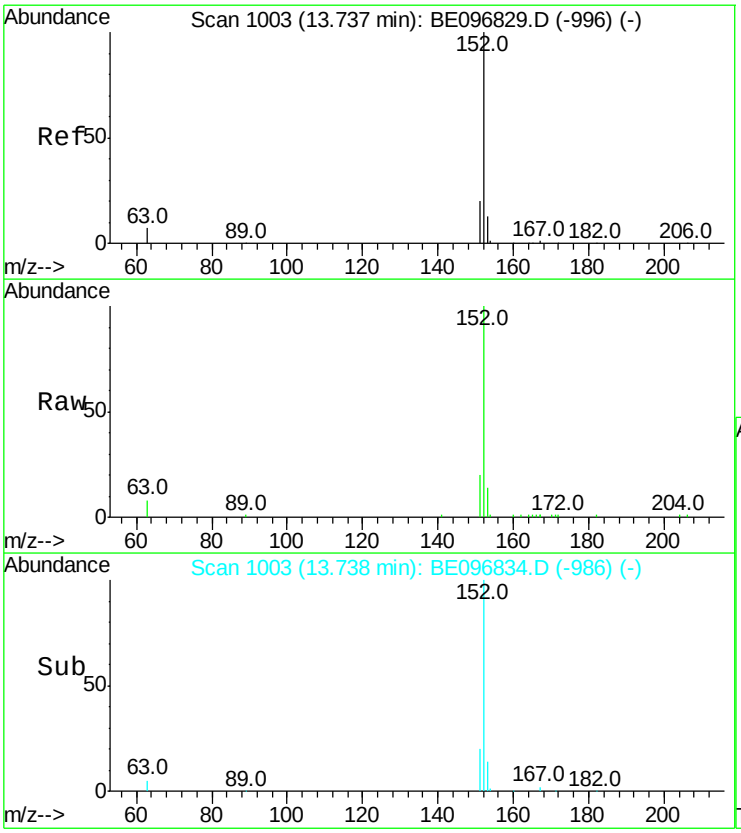
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:172 Resp: 9393

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.9	44.9
170	23.0	21.8	32.8

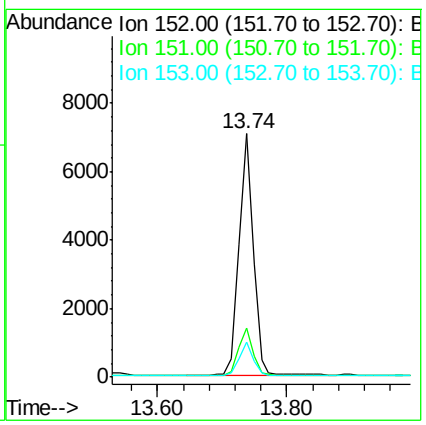


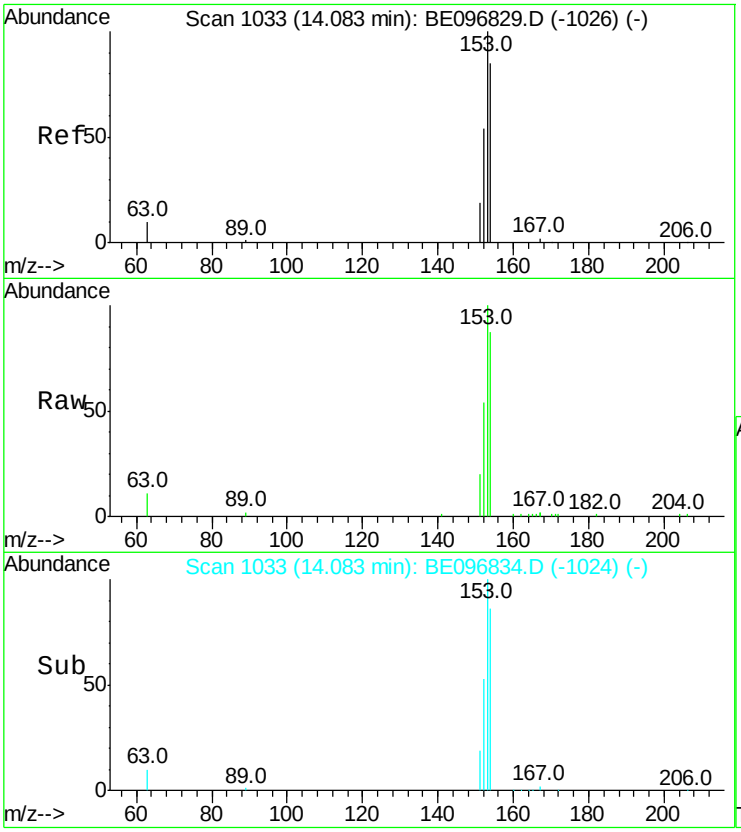


#16
Acenaphthylene
Concen: 0.343 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:152 Resp: 10726

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.1	10.5	15.7



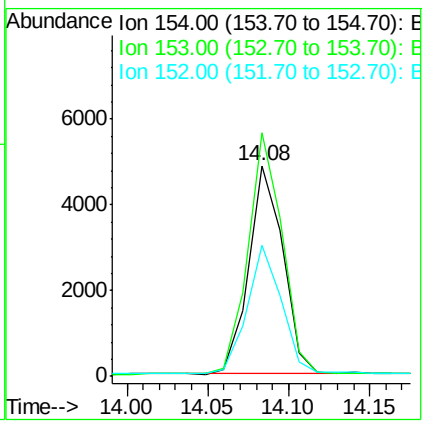


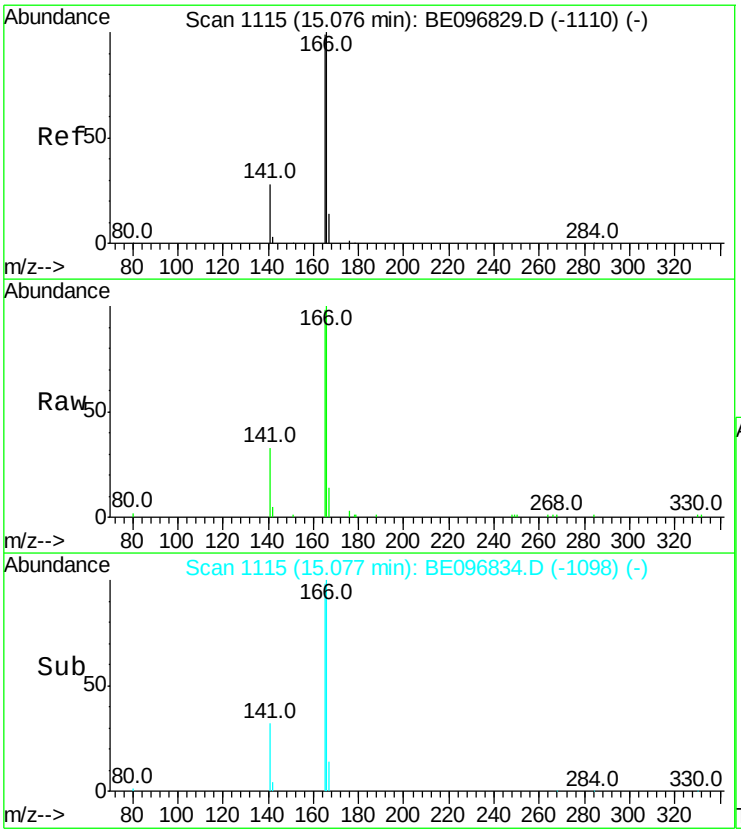
#17
Acenaphthene
Concen: 0.345 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:154 Resp: 7122

Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.2	133.8
152	62.0	42.0	63.0

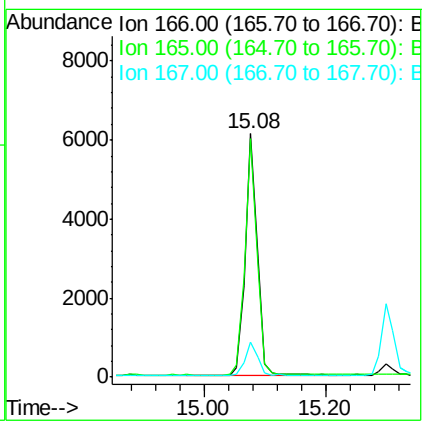


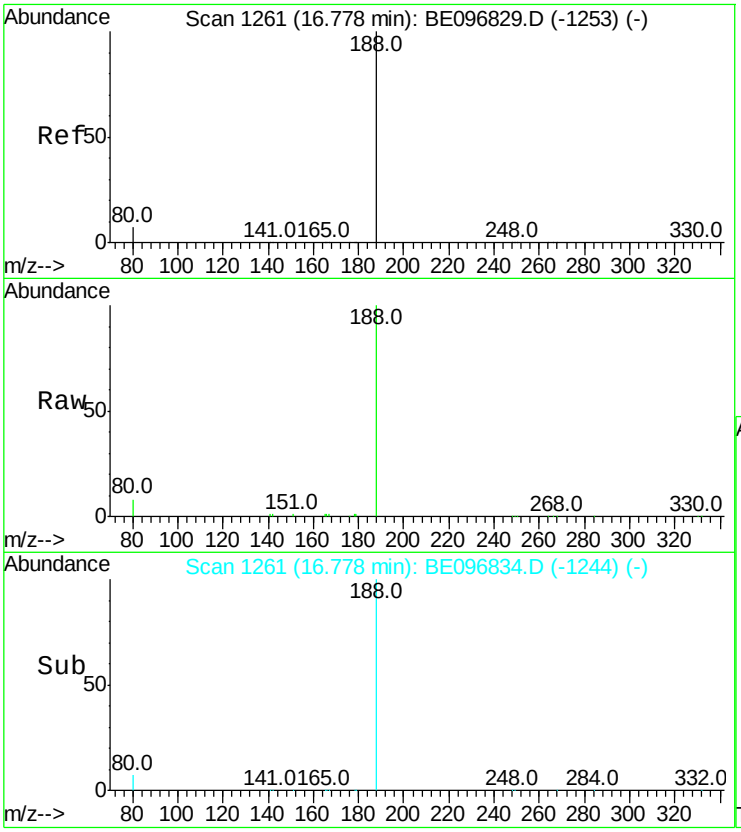


#18
Fluorene
Concen: 0.346 ng
RT: 15.08 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:166 Resp: 8410

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.6
167	14.4	42.4	63.6#



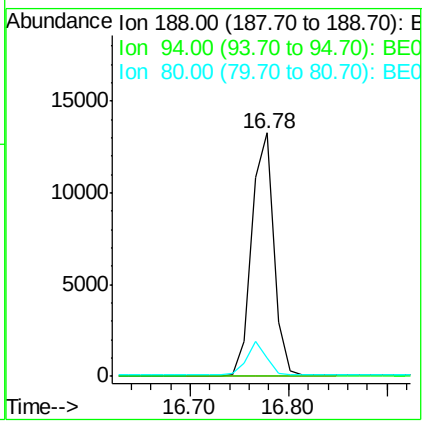


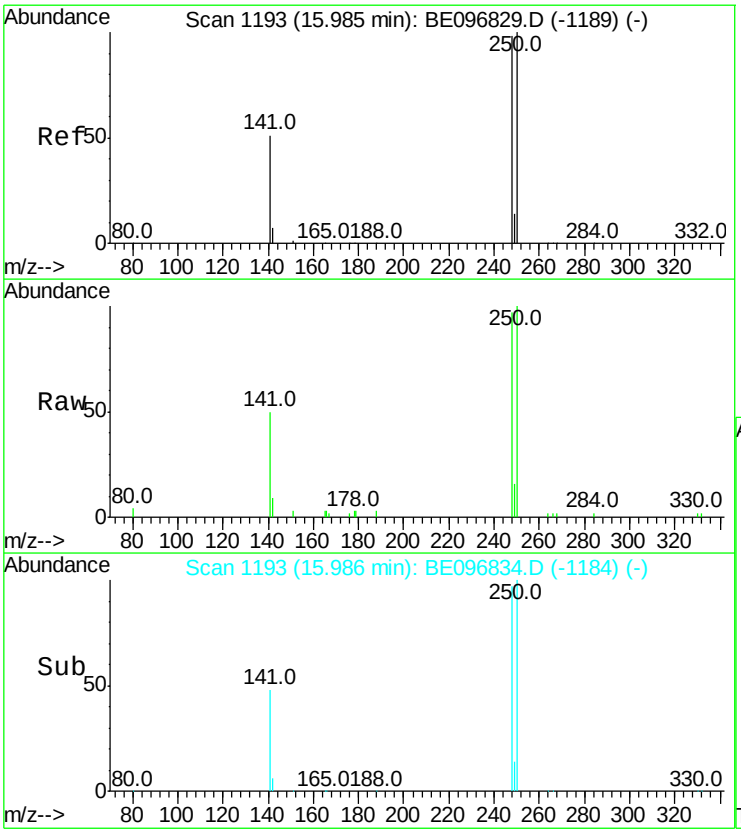
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument : BNA_E
ClientSampleId : ICVBE062018

Tgt Ion:188 Resp: 20427

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

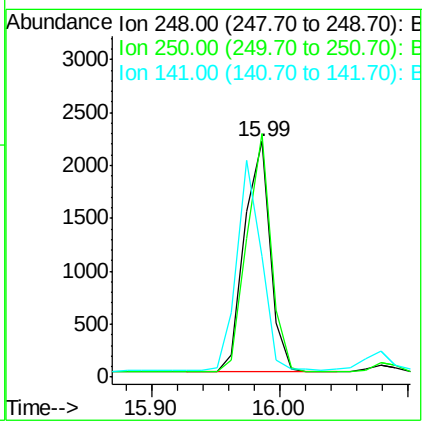


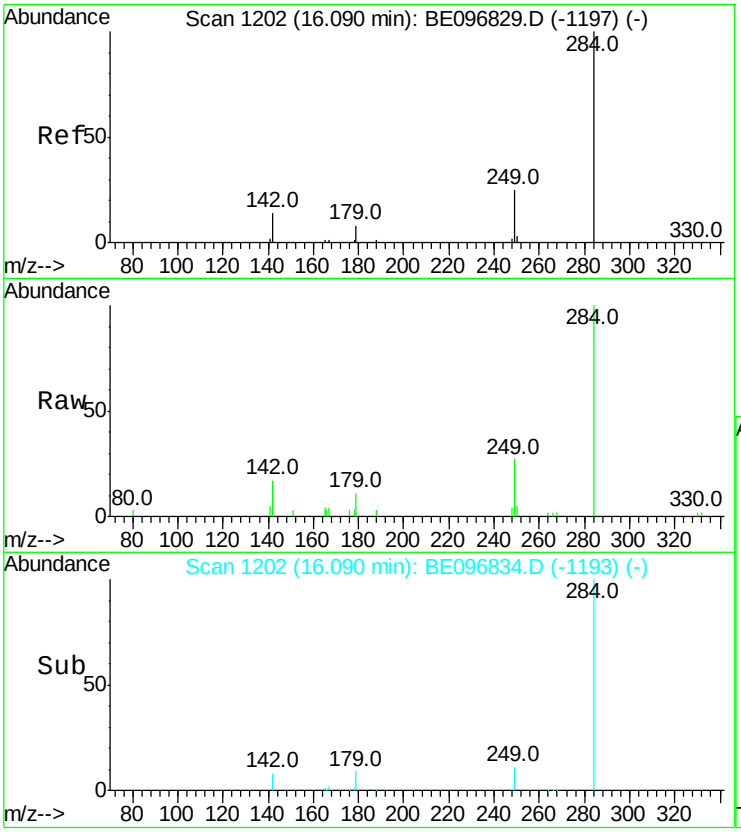


#20
4-Bromophenyl-phenylether
Concen: 0.332 ng
RT: 15.99 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:248 Resp: 3057

Ion	Ratio	Lower	Upper
248	100		
250	103.4	62.7	94.1#
141	51.2	48.2	72.2



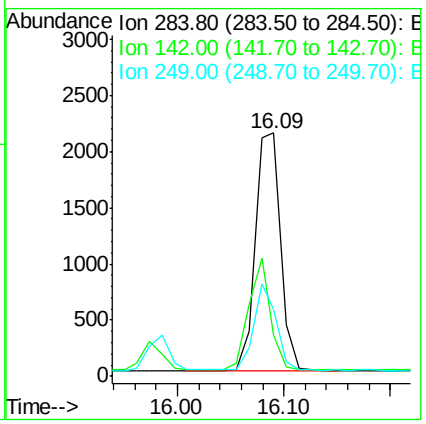


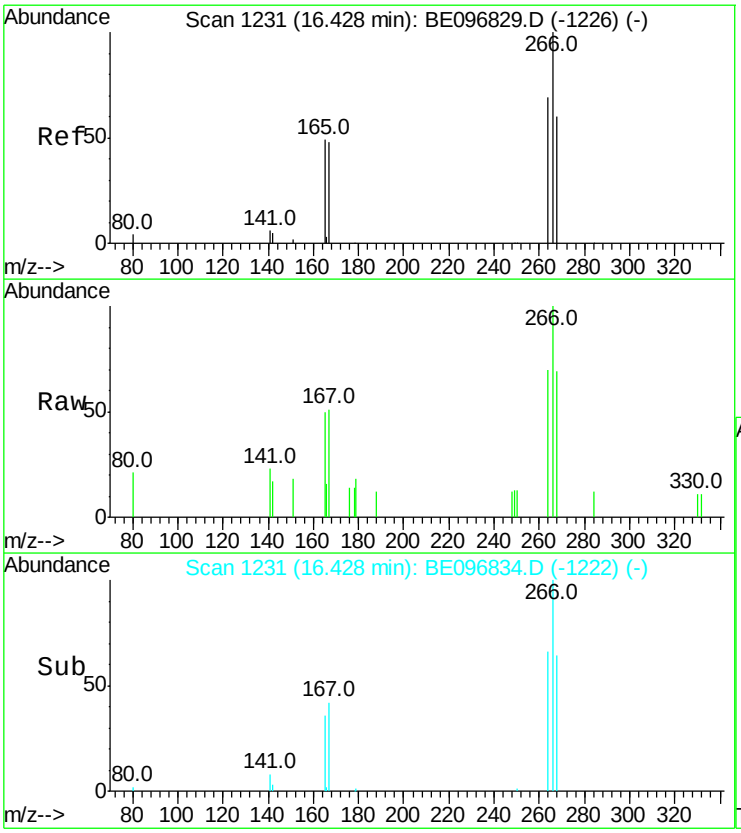
#21
Hexachlorobenzene
Concen: 0.336 ng
RT: 16.09 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:284 Resp: 3529

Ion	Ratio	Lower	Upper
284	100		
142	39.5	22.1	33.1#
249	31.8	34.8	52.2#

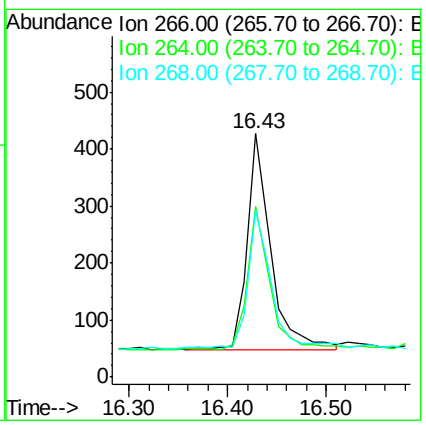


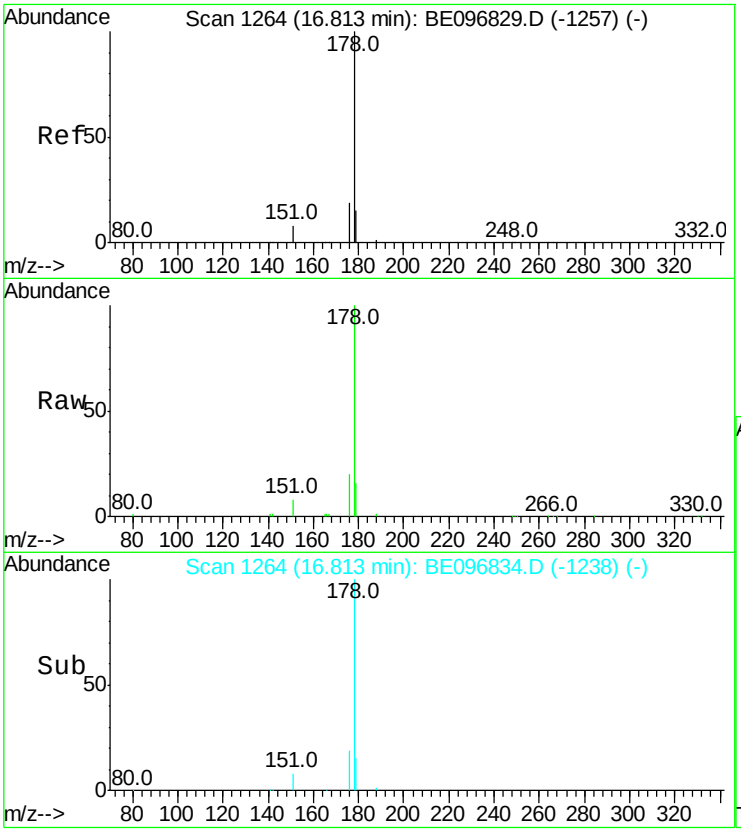


#22
Pentachlorophenol
Concen: 0.406 ng
RT: 16.43 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:266 Resp: 633

Ion	Ratio	Lower	Upper
266	100		
264	70.3	72.5	108.7#
268	68.6	73.8	110.6#



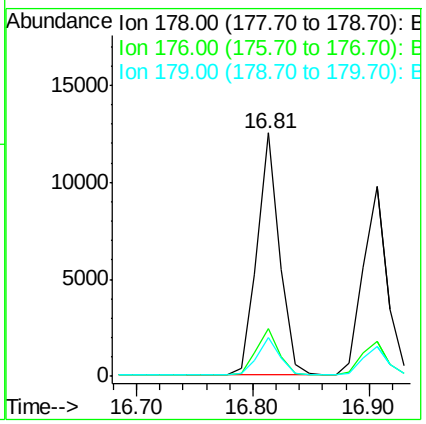


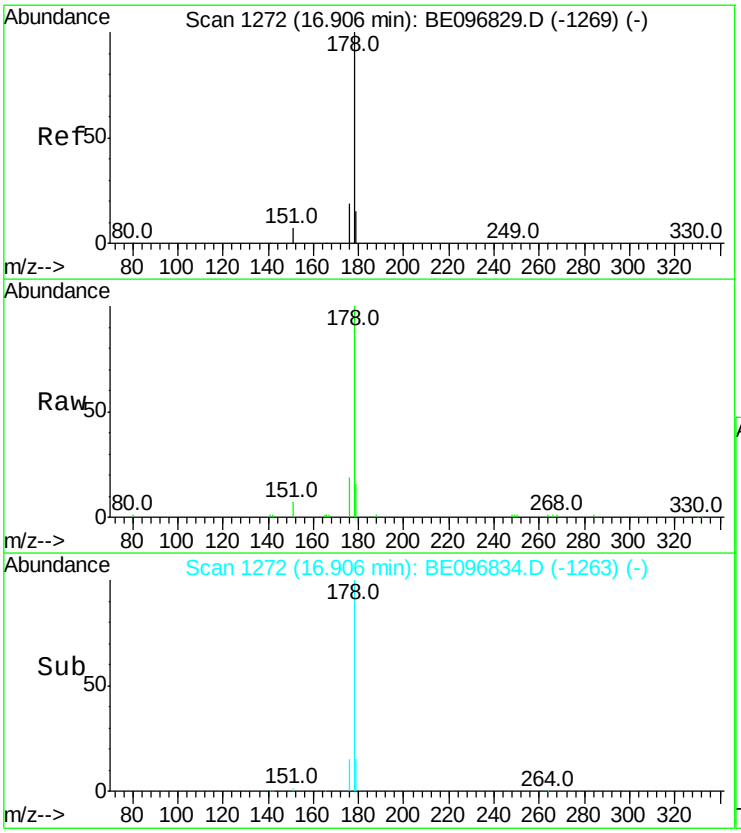
#23
Phenanthrene
Concen: 0.337 ng
RT: 16.81 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:178 Resp: 16919

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.4	11.8	17.6

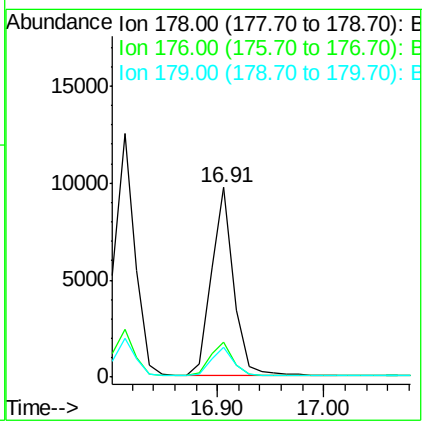


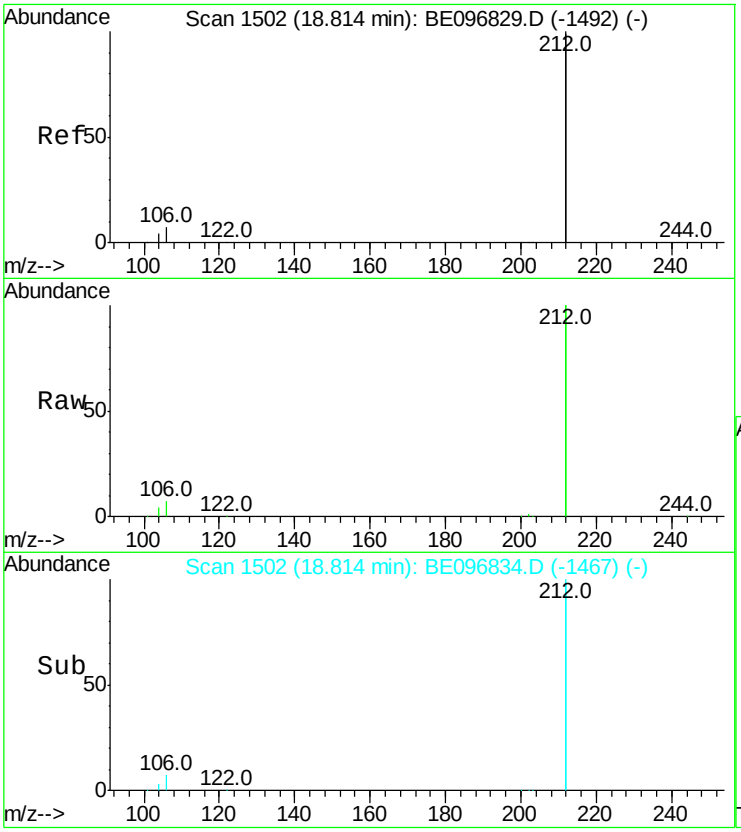


#24
Anthracene
Concen: 0.337 ng
RT: 16.91 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:178 Resp: 14002

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.3	13.0	19.6



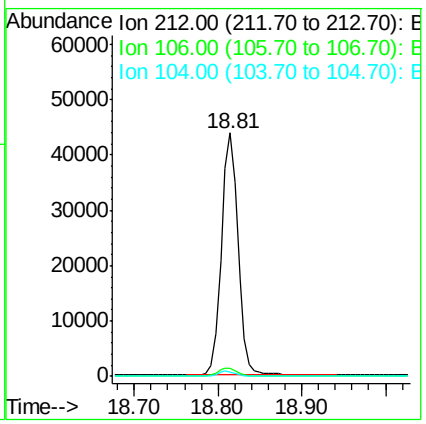


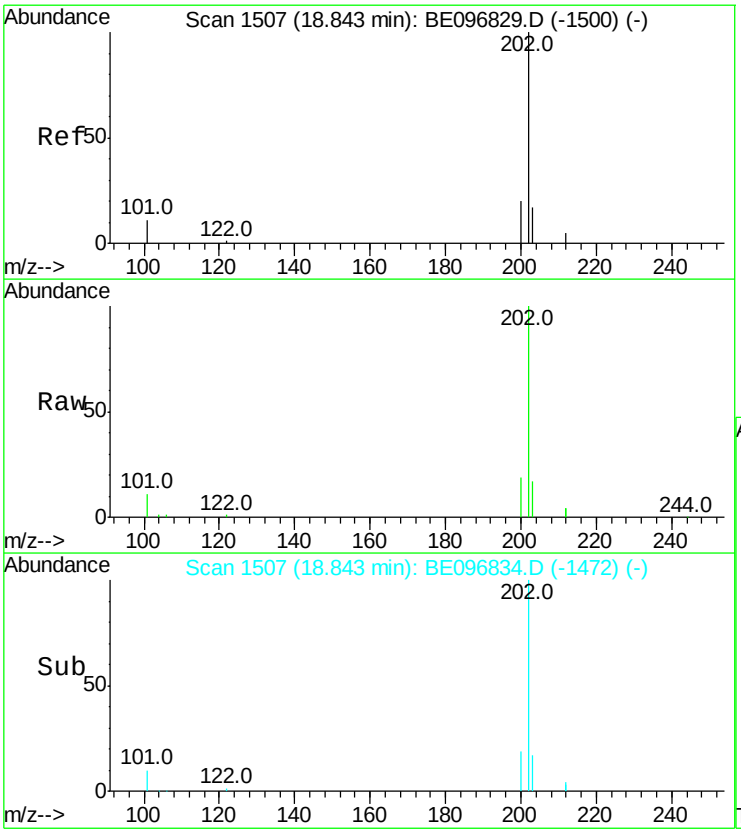
#25
Fluoranthene-d10
Concen: 0.338 ng
RT: 18.81 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:212 Resp: 60795

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	1.9	1.6	2.4

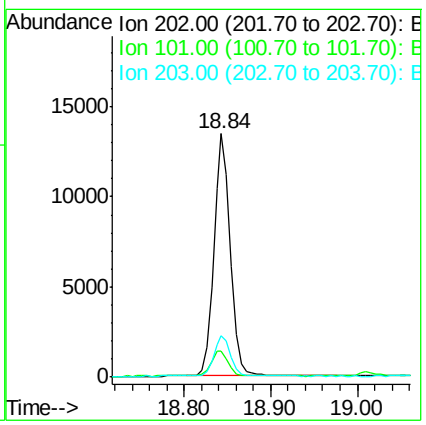


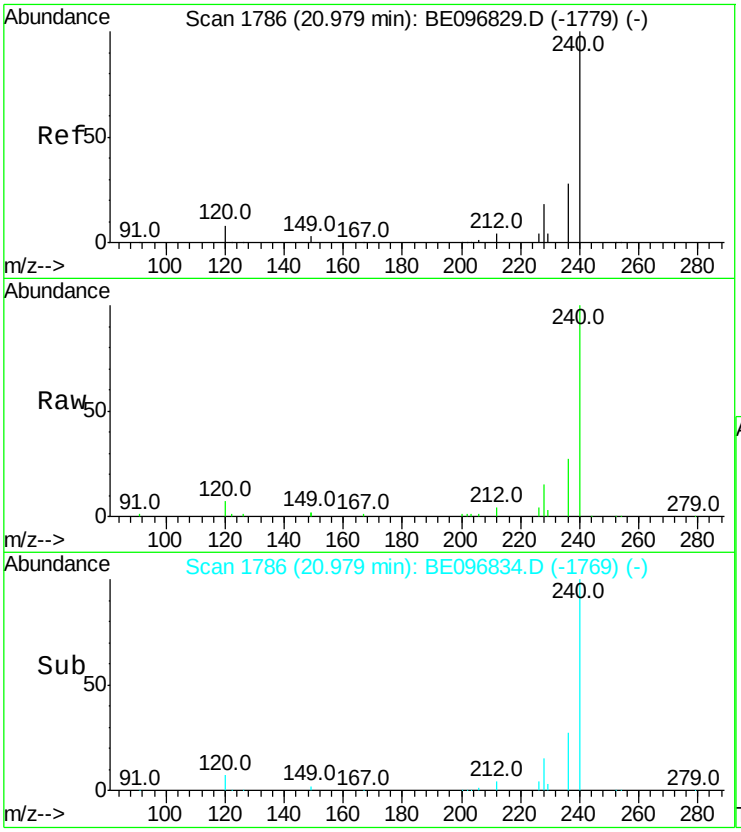


#26
Fluoranthene
Concen: 0.351 ng
RT: 18.84 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:202 Resp: 17802

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.2	13.7	20.5



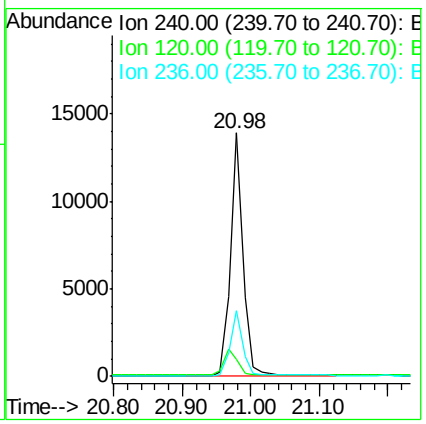


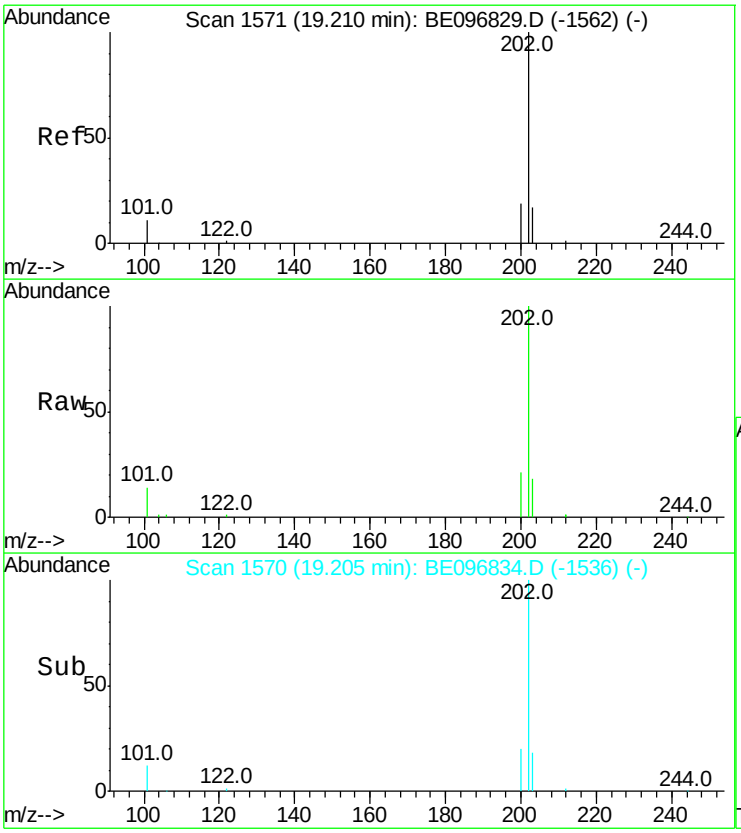
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:240 Resp: 17534

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.5	8.3
236	27.0	20.7	31.1

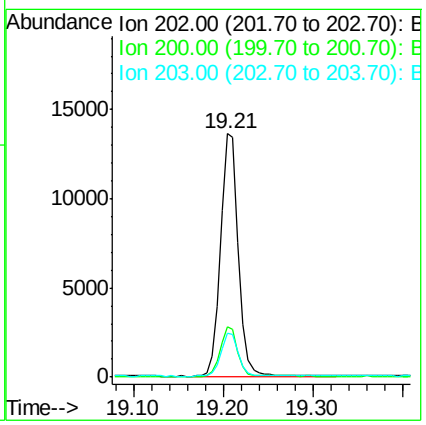


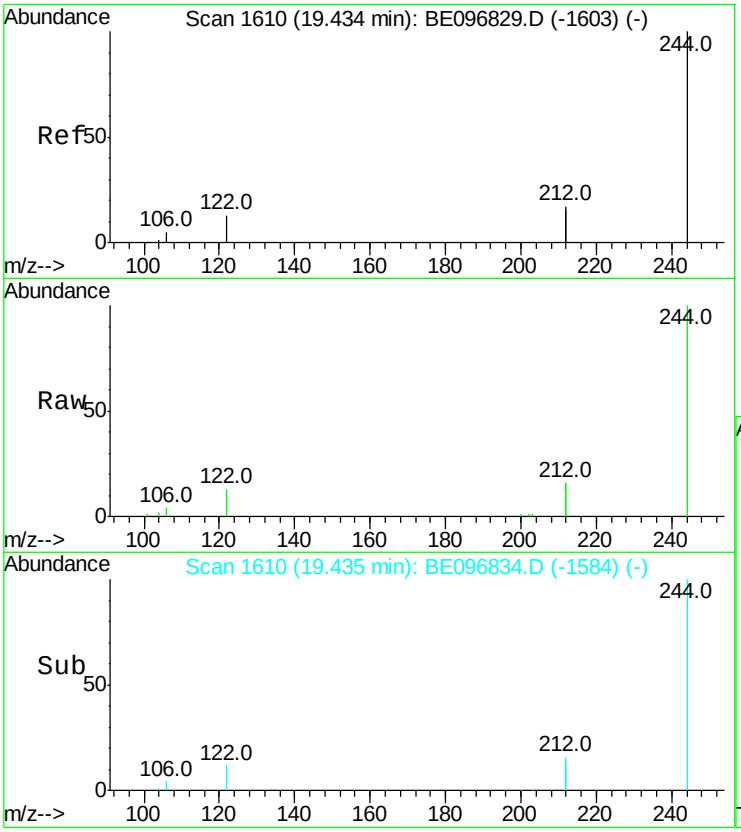


#28
Pyrene
Concen: 0.368 ng
RT: 19.21 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:202 Resp: 18656

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	25.0
203	17.5	13.8	20.8



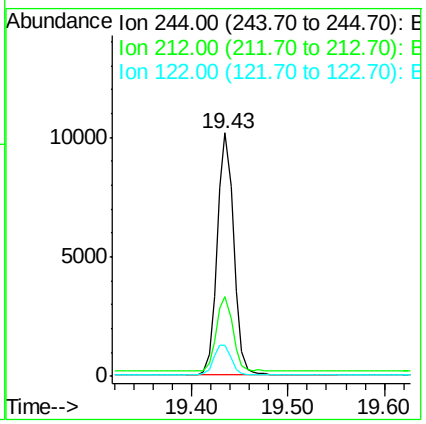


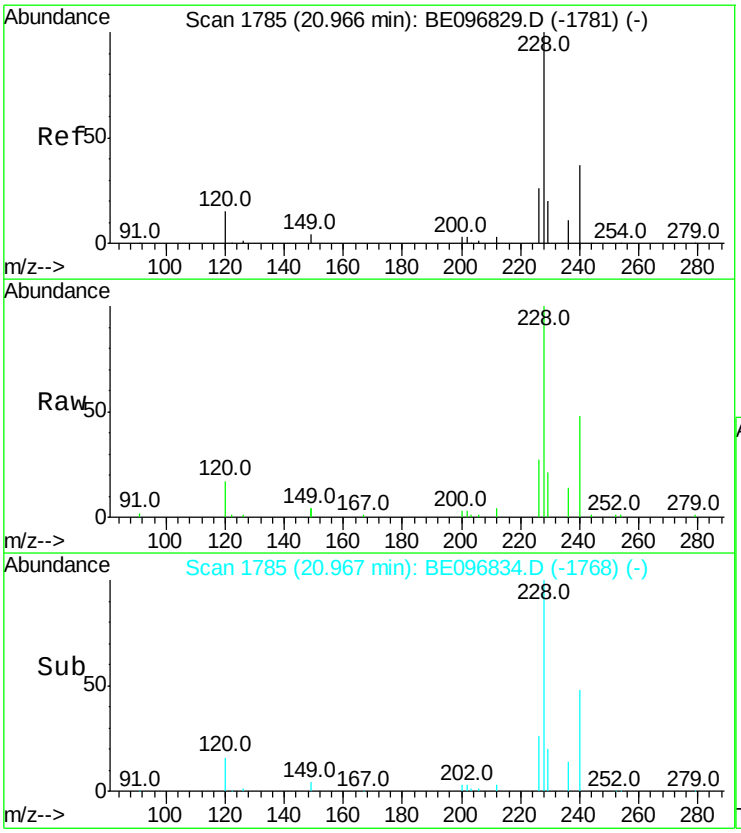
#29
Terphenyl-d14
Concen: 0.361 ng
RT: 19.43 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:244 Resp: 12221

Ion	Ratio	Lower	Upper
244	100		
212	32.5	25.4	38.0
122	12.8	8.1	12.1#

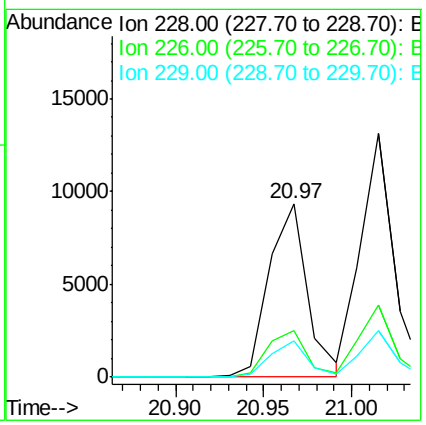


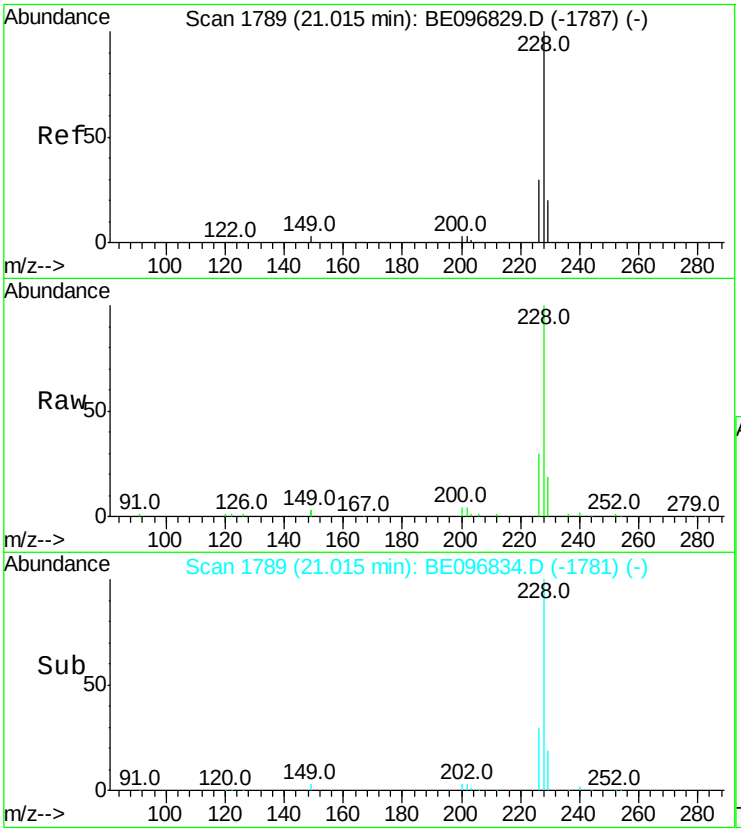


#30
Benzo(a)anthracene
Concen: 0.358 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:228 Resp: 13909

Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.0	36.0
229	20.8	16.0	24.0



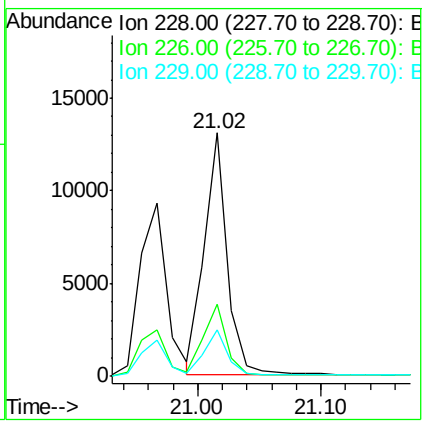


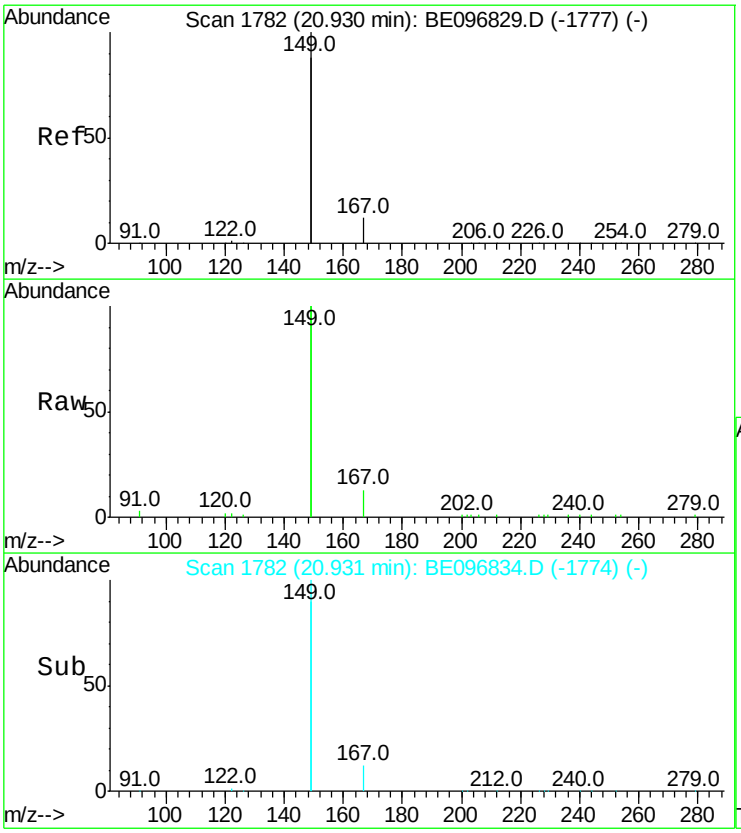
#31
Chrysene
Concen: 0.348 ng
RT: 21.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:228 Resp: 16679

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.3	16.0	24.0

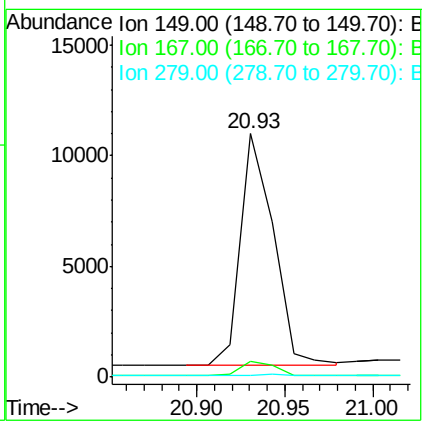


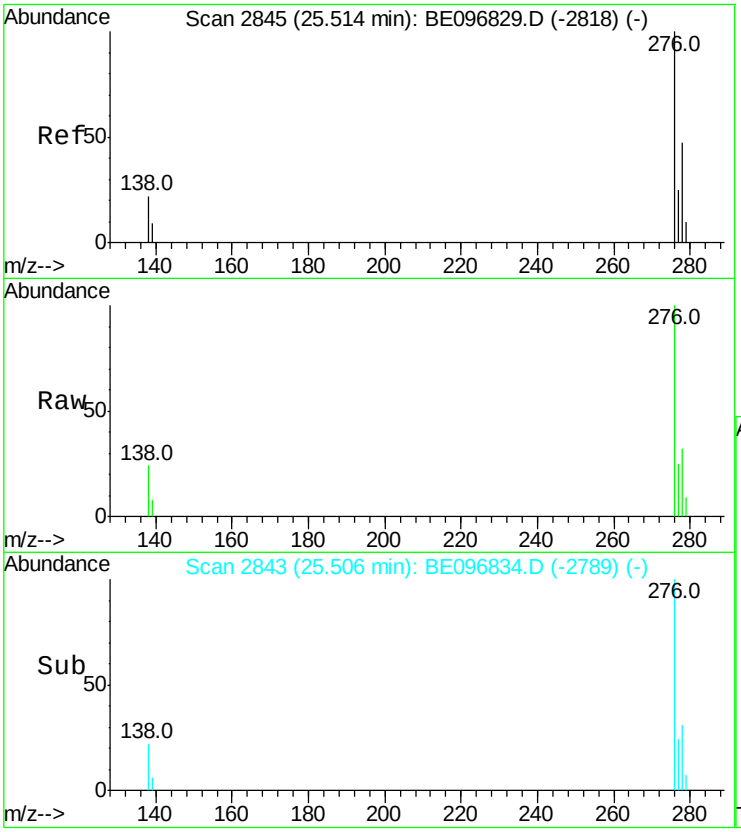


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.391 ng
RT: 20.93 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:149 Resp: 13605

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1



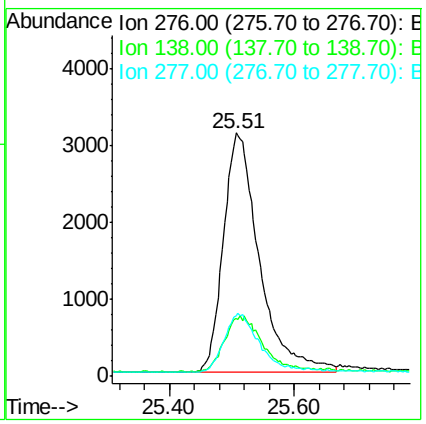


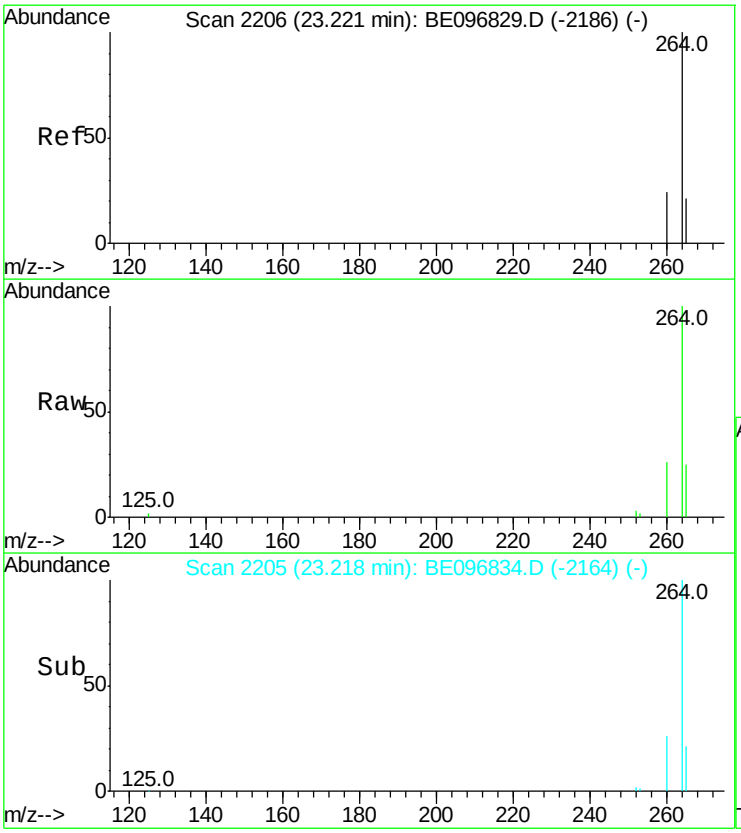
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.351 ng
RT: 25.51 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:276 Resp: 12515

Ion	Ratio	Lower	Upper
276	100		
138	24.3	22.5	33.7
277	23.9	19.9	29.9

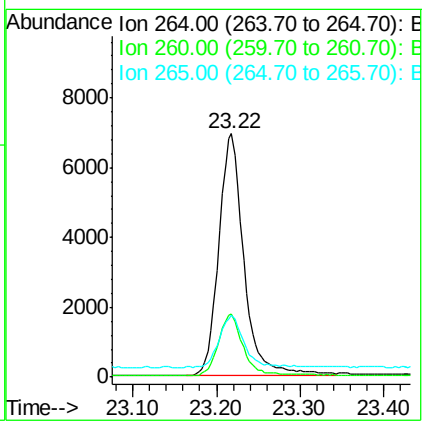


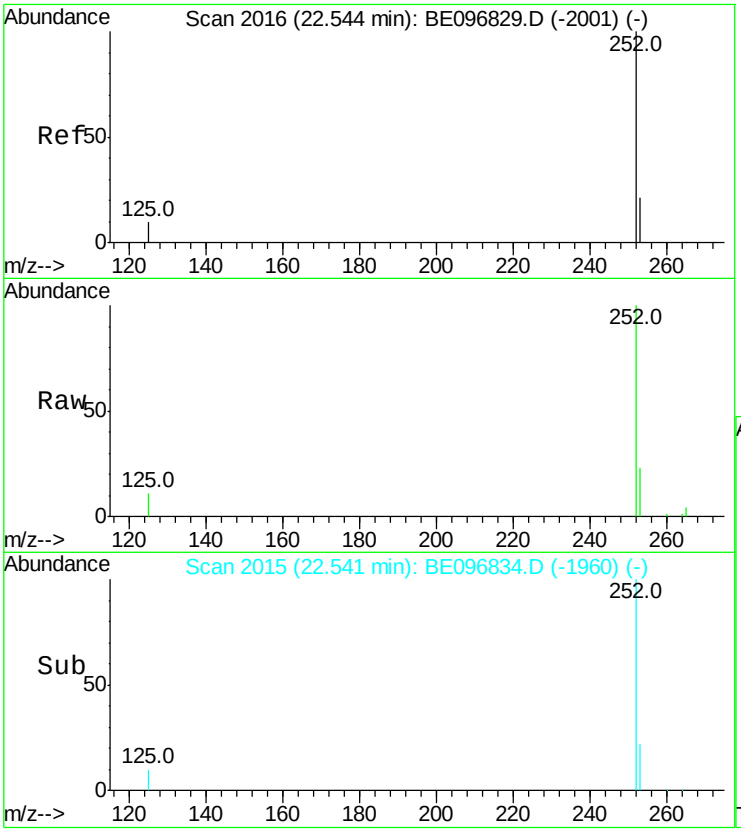


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:264 Resp: 14409

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.5	30.7
265	25.5	22.8	34.2



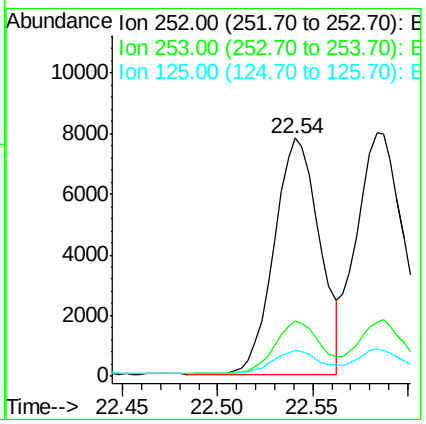


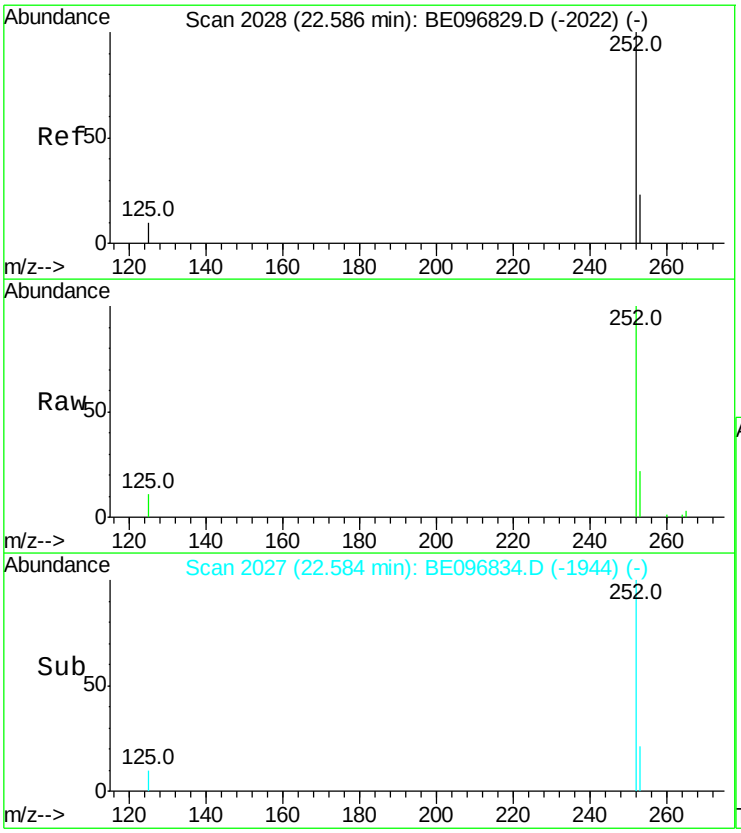
#35
Benzo(b)fluoranthene
Concen: 0.328 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:252 Resp: 12917

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.0	30.0
125	10.8	16.0	24.0#

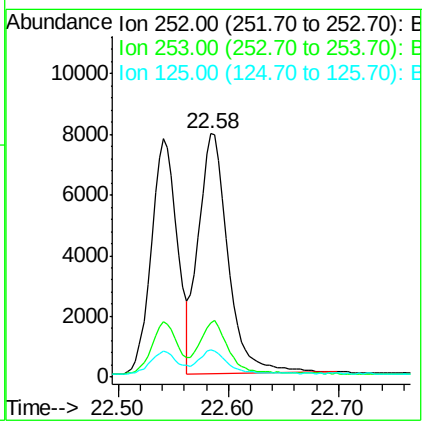


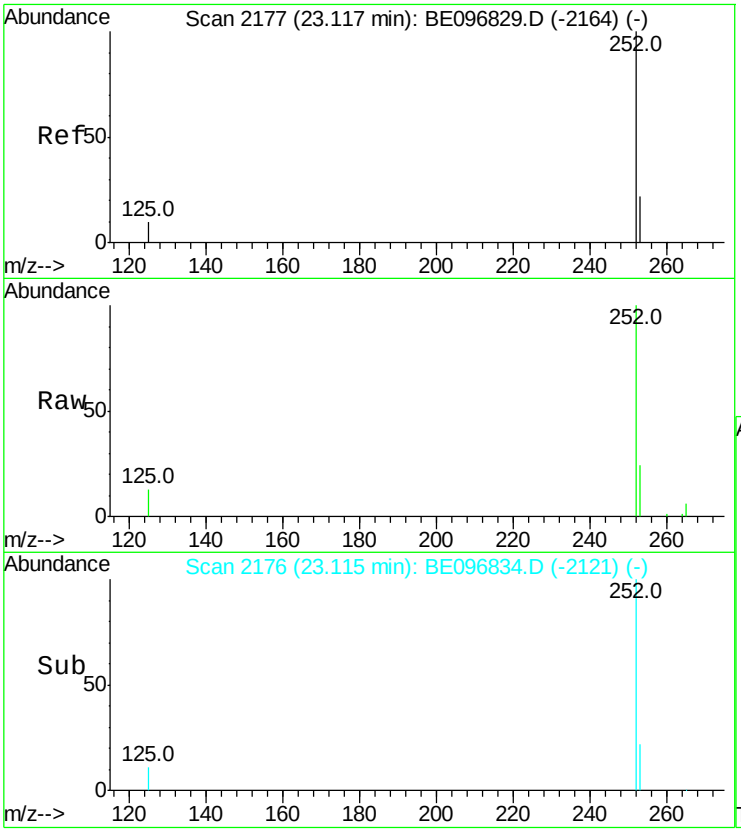


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:252 Resp: 14706

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.0	24.0
125	11.0	8.0	12.0



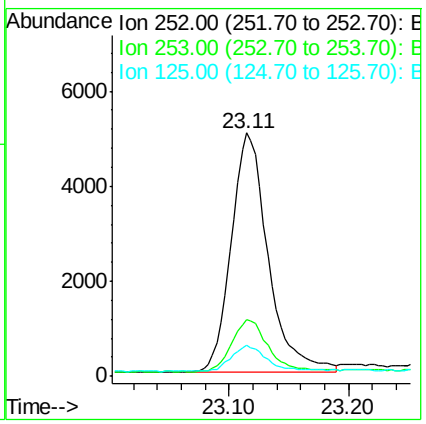


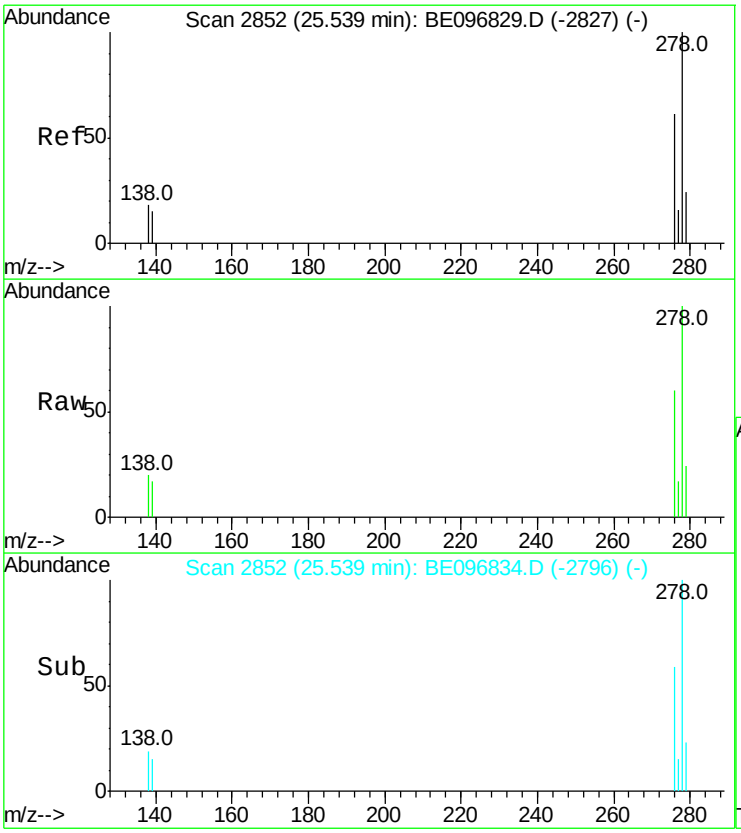
#37
Benzo(a)pyrene
Concen: 0.348 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:252 Resp: 10859

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	12.6	12.0	18.0

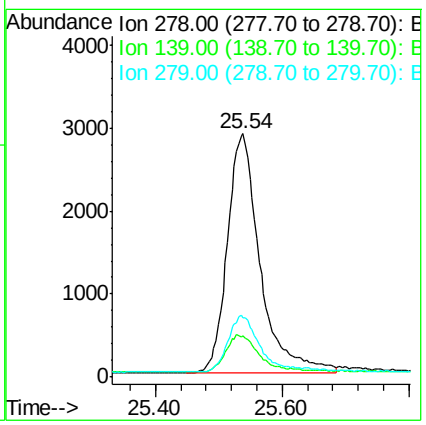


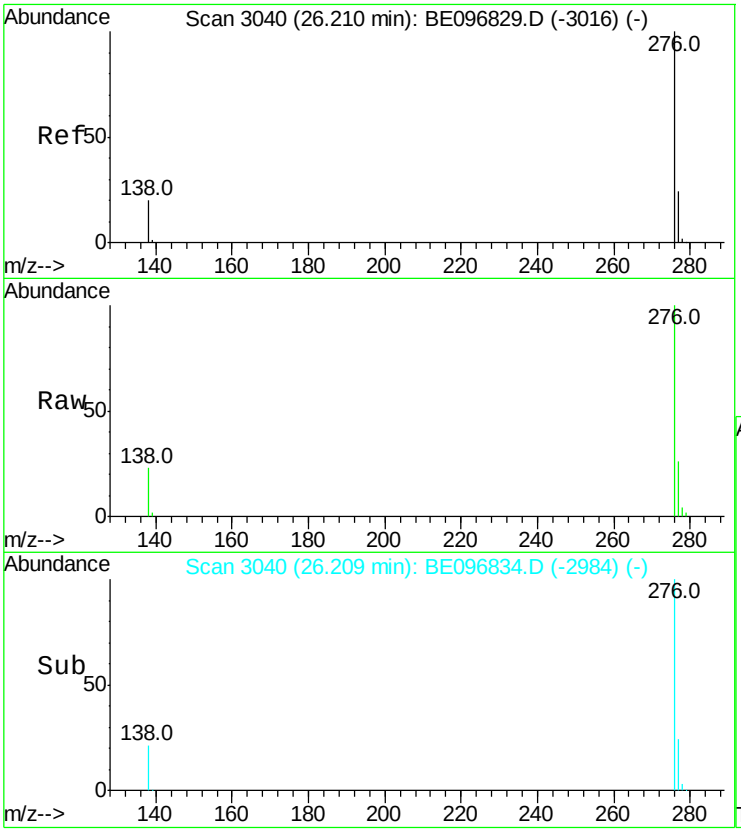


#38
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 25.54 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:278 Resp: 10387

Ion	Ratio	Lower	Upper
278	100		
139	16.9	16.0	24.0
279	24.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.330 ng
RT: 26.21 min Scan# 3040
Delta R.T. -0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Instrument :
BNA_E
ClientSampleId :
ICVBE062018

Tgt Ion:276 Resp: 11509

Ion	Ratio	Lower	Upper
276	100		
277	25.5	16.0	24.0#
138	22.5	20.0	30.0