Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096315.D
Acq On : 3 May 2018 4:03
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 03 05:01:28 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	955	0.40	ng		0.00
7) Naphthalene-d8	11.19	136	3677	0.40	ng		0.00
13) Acenaphthene-d10	14.93	164	2001	0.40	ng		-0.01
19) Phenanthrene-d10	17.65	188	5147	0.40	ng		0.00
27) Chrysene-d12	21.74	240	5363	0.40	ng		0.00
34) Perylene-d12	24.35	264	5020	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.86	112	1075	0.36	ng		0.00
5) Phenol-d6	7.52	99	1535	0.38	ng		0.00
8) Nitrobenzene-d5	9.54	82	1656	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.73	152	2154	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	317	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.57	172	3342	0.39	ng		0.00
25) Fluoranthene-d10	19.63	212	25560	0.37	ng		0.00
29) Terphenyl-d14	20.19	244	4392	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.59	88	533	0.361	ng		98
3) n-Nitrosodimethylamine	3.95	42	790	0.437	ng	#	71
6) bis(2-Chloroethyl)ether	7.76	93	1309	0.365	ng		92
9) Naphthalene	11.23	128	14693	0.379	ng		99
10) Hexachlorobutadiene	11.50	225	562	0.327	ng	#	87
12) 2-Methylnaphthalene	12.80	142	2384	0.372	ng		93
16) Acenaphthylene	14.67	152	4170	0.390	ng		99
17) Acenaphthene	15.00	154	2440	0.380	ng		92
18) Fluorene	15.97	166	3161	0.398	ng	#	78
20) 4-Bromophenyl-phenylether	16.83	248	1101	0.360	ng	#	81
21) Hexachlorobenzene	16.96	284	1110	0.364	ng	#	80
22) Pentachlorophenol	17.31	266	513	0.501	ng	#	76
23) Phenanthrene	17.68	178	5467	0.378	ng		99
24) Anthracene	17.78	178	5093	0.369	ng		95
26) Fluoranthene	19.66	202	7096	0.373	ng		97
28) Pyrene	20.00	202	650	0.062	ng	#	90
30) Benzo(a)anthracene	21.73	228	6298	0.366	ng		96
31) Chrysene	21.78	228	6483	0.390	ng		97
32) Bis(2-ethylhexyl)phthalate	21.60	149	17493	0.394	ng		100
33) Indeno(1,2,3-cd)pyrene	27.13	276	5553	0.345	ng		93
35) Benzo(b)fluoranthene	23.54	252	6024	0.400	ng	#	90
36) Benzo(k)fluoranthene	23.54	252	6024	0.389	ng		94
37) Benzo(a)pyrene	24.23	252	5618	0.388	ng	#	93
38) Dibenzo(a,h)anthracene	27.14	278	4211	0.330	ng		95
39) Benzo(g,h,i)perylene	27.99	276	5093	0.377	ng	#	91

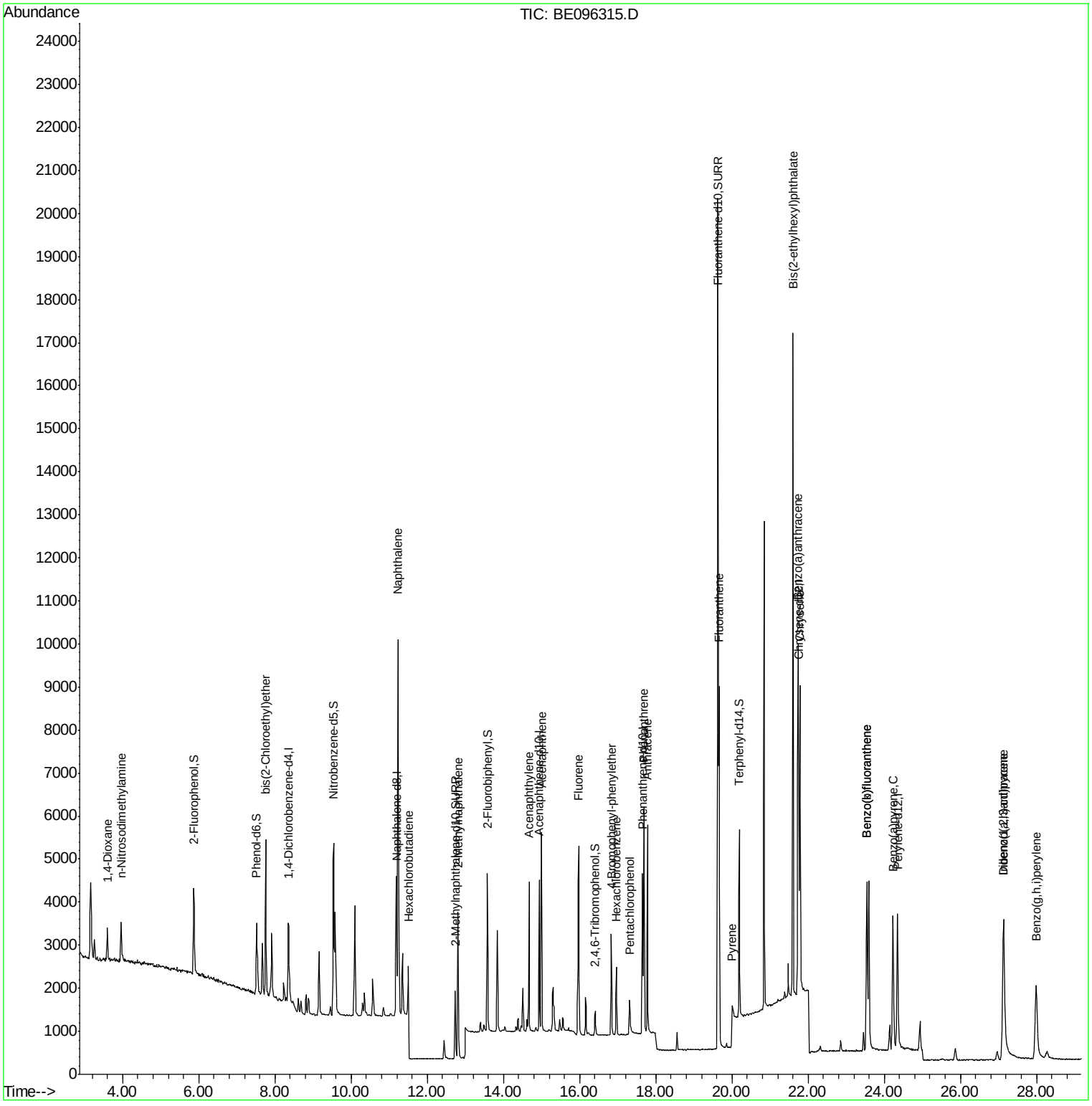
(#) = qualifier out of range (m) = manual integration (+) = signals summed

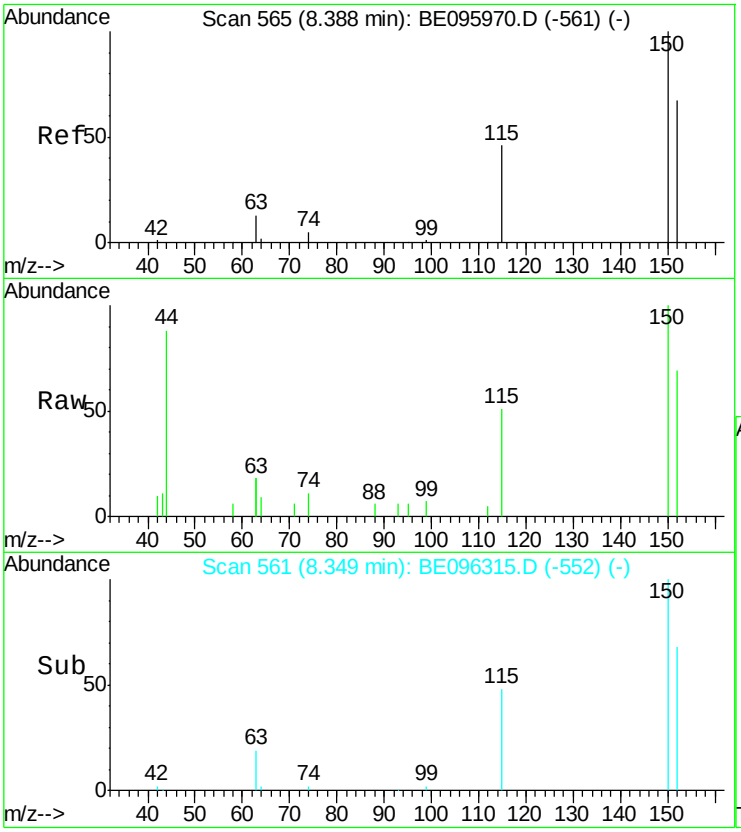
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096315.D
Acq On : 3 May 2018 4:03
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 03 05:01:28 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration



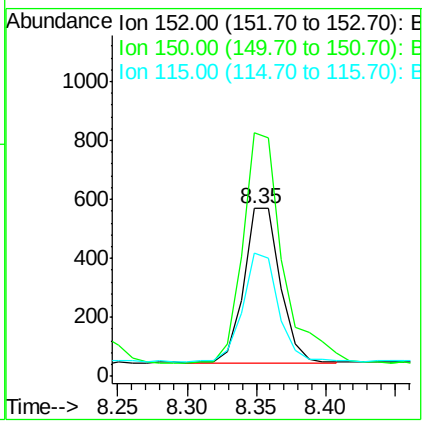


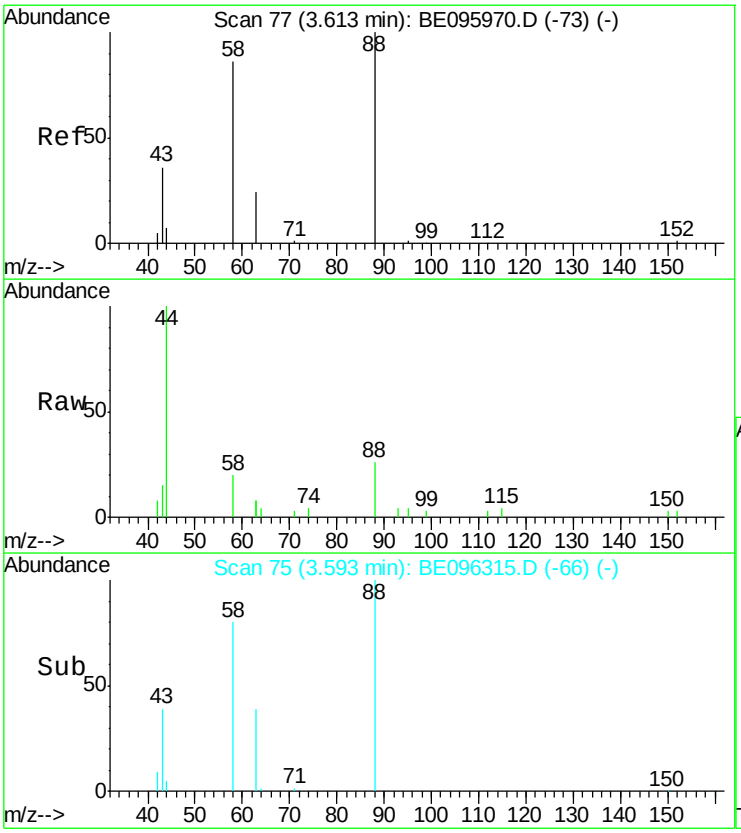
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.35 min Scan# 561
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 955

Ion	Ratio	Lower	Upper
152	100		
150	145.2	117.2	175.8
115	73.8	57.0	85.6

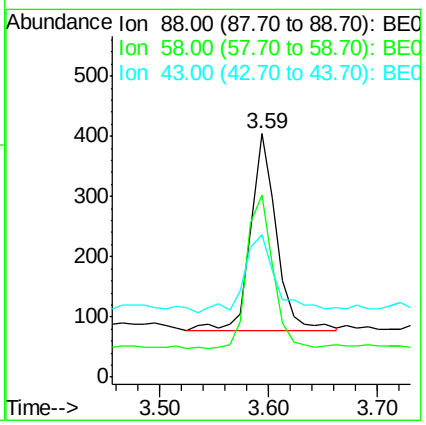


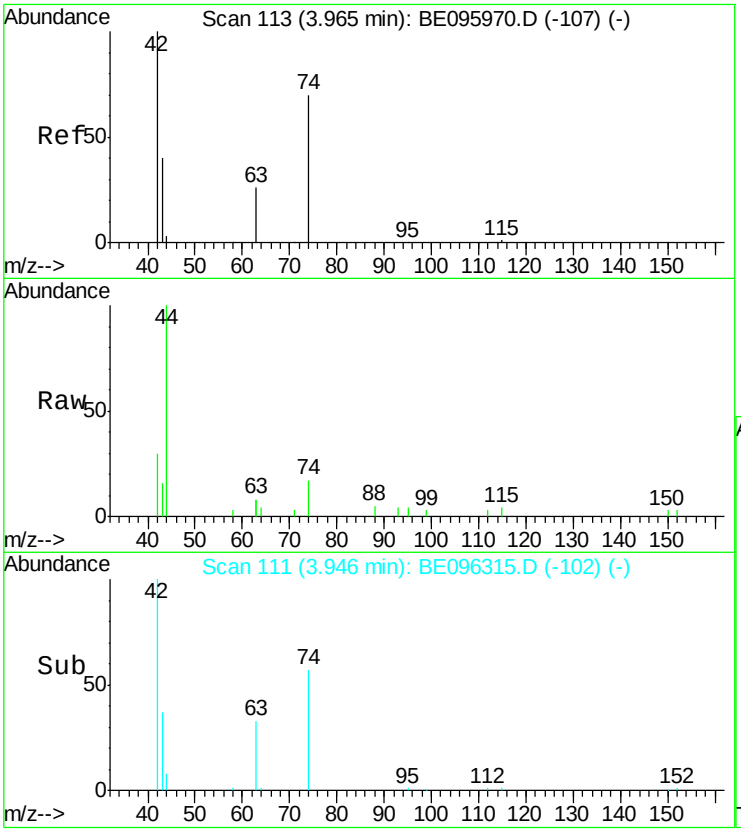


#2
1,4-Dioxane
Concen: 0.361 ng
RT: 3.59 min Scan# 75
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion: 88 Resp: 533

Ion	Ratio	Lower	Upper
88	100		
58	79.4	63.2	94.8
43	48.2	41.2	61.8

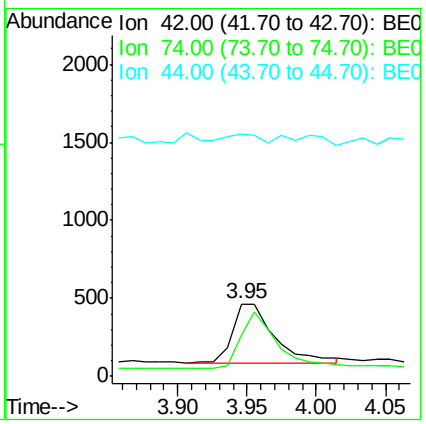




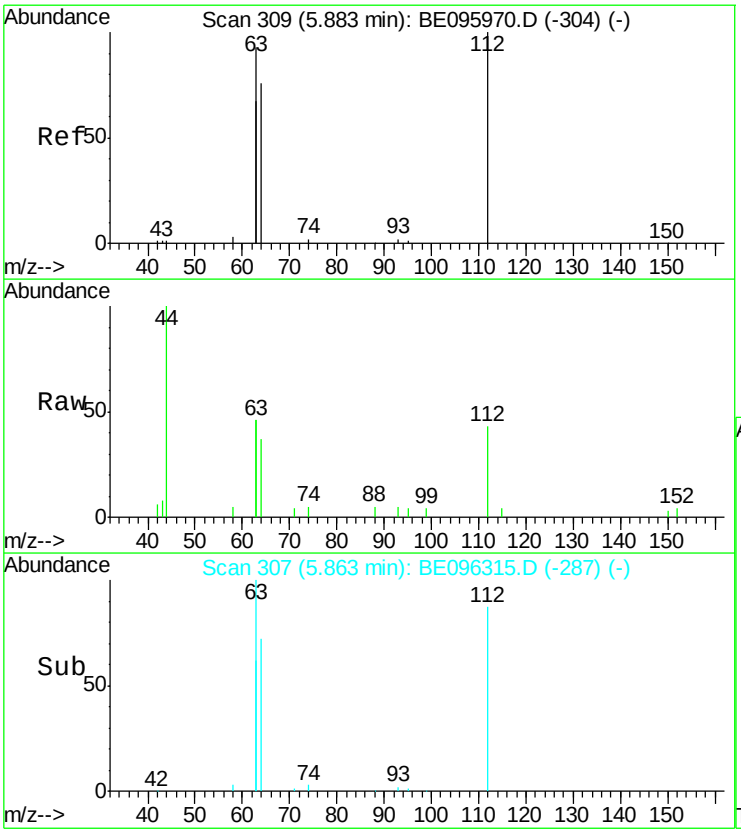
#3
n-Nitrosodimethylamine
Concen: 0.437 ng
RT: 3.95 min Scan# 111
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion: 42 Resp: 790

Ion	Ratio	Lower	Upper
42	100		
74	85.1	96.0	144.0#
44	12.7	12.0	18.0



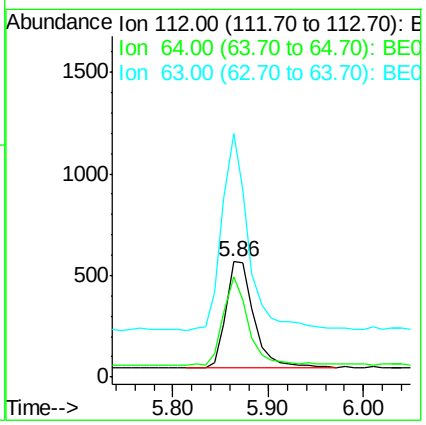
Instrument :
BNA_E
ClientSampleId :

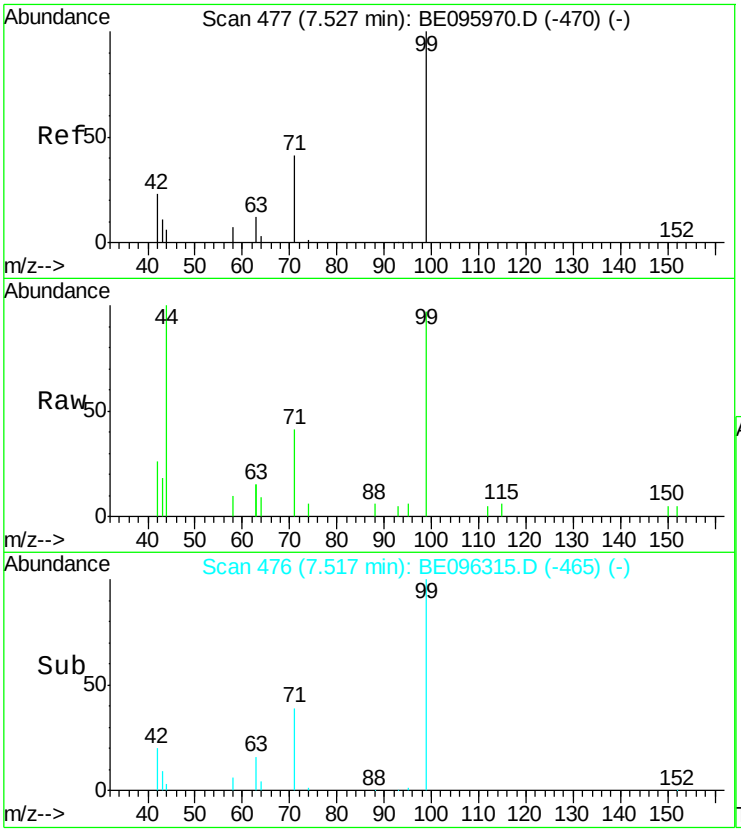


#4
2-Fluorophenol
Concen: 0.364 ng
RT: 5.86 min Scan# 307
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:112 Resp: 1075

Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	176.1	116.8	175.2#



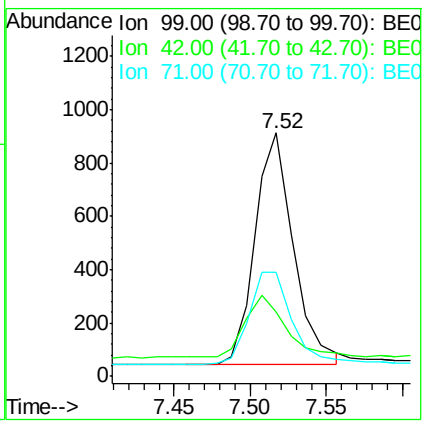


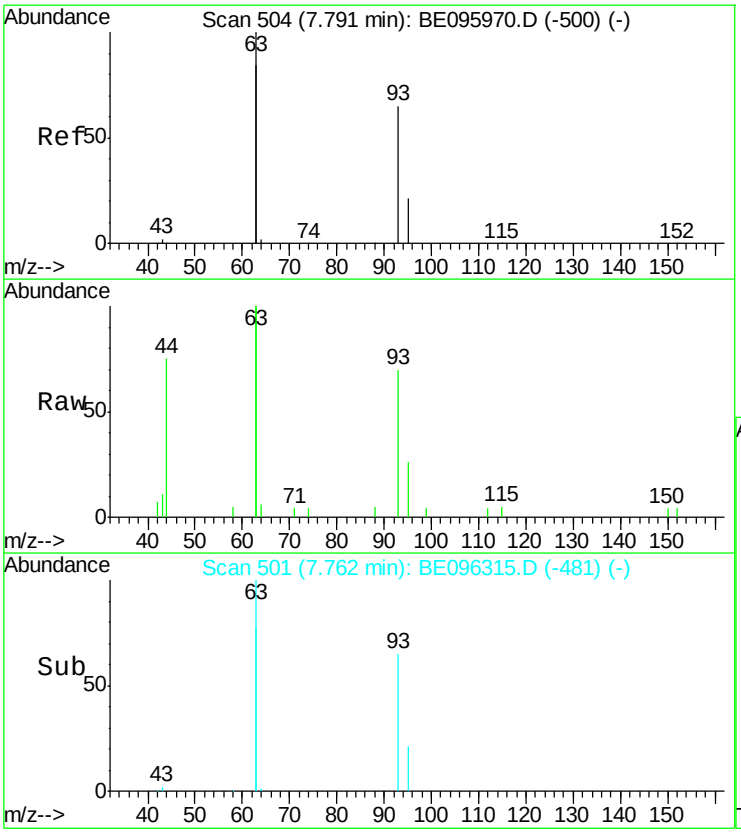
#5
Phenol-d6
Concen: 0.377 ng
RT: 7.52 min Scan# 476
Delta R.T. 0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1535

Ion	Ratio	Lower	Upper
99	100		
42	28.7	20.2	30.2
71	43.6	28.4	42.6#

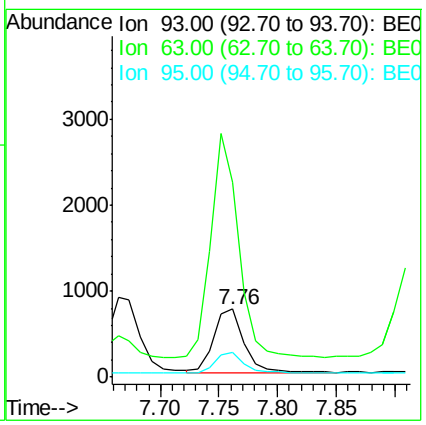


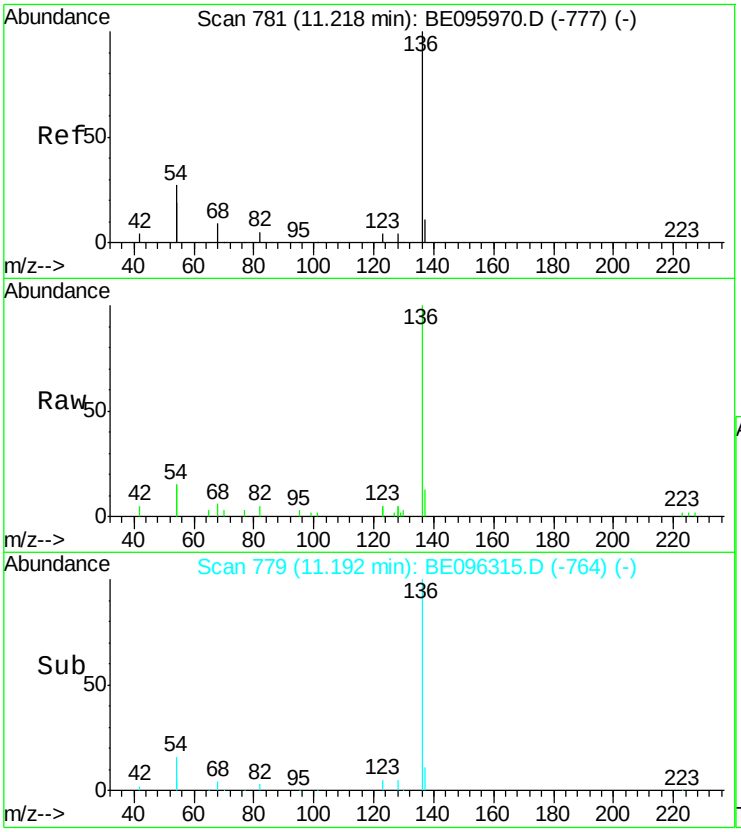


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion: 93 Resp: 1309

Ion	Ratio	Lower	Upper
93	100		
63	326.0	275.3	412.9
95	31.9	25.2	37.8



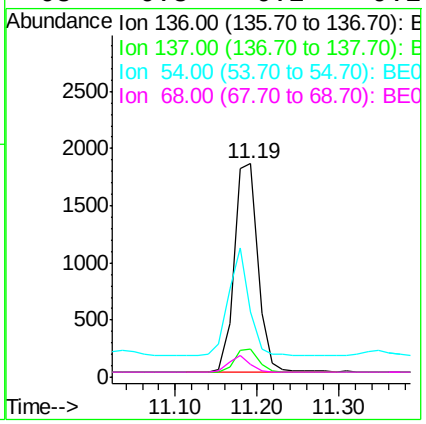


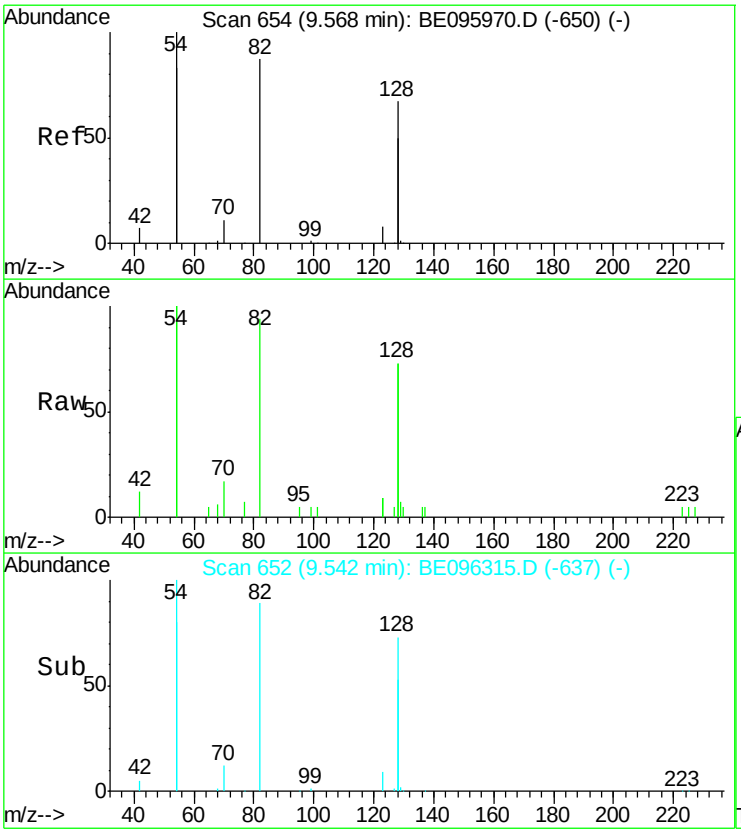
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 3677

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.5	14.3
54	30.7	29.1	43.7
68	6.3	6.2	9.2

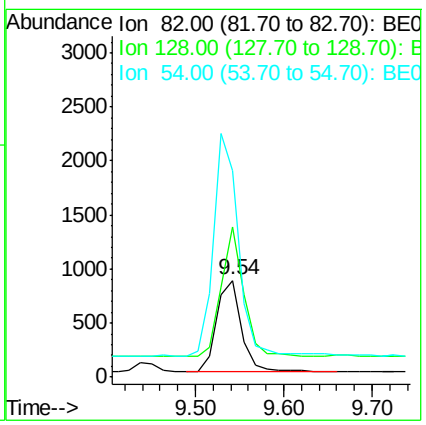


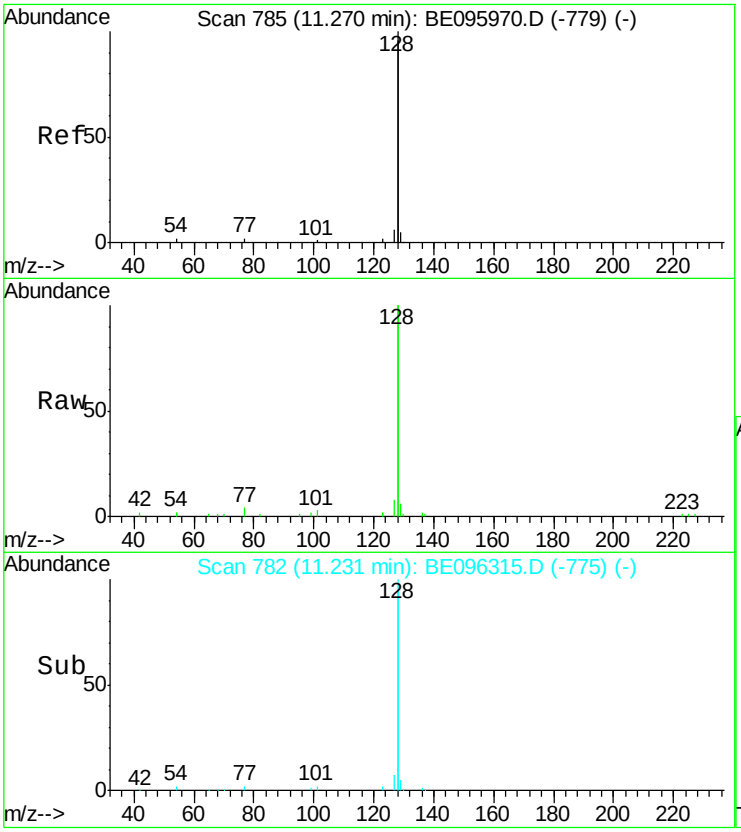


#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion: 82 Resp: 1656

Ion	Ratio	Lower	Upper
82	100		
128	155.1	150.0	225.0
54	213.2	154.2	231.4



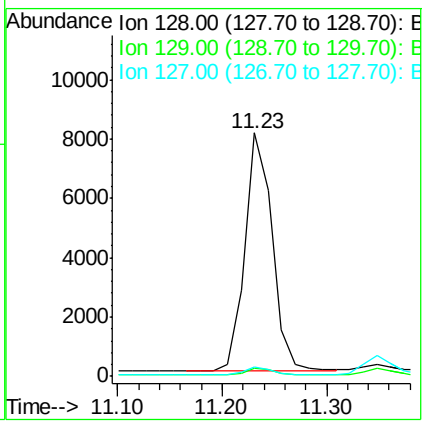


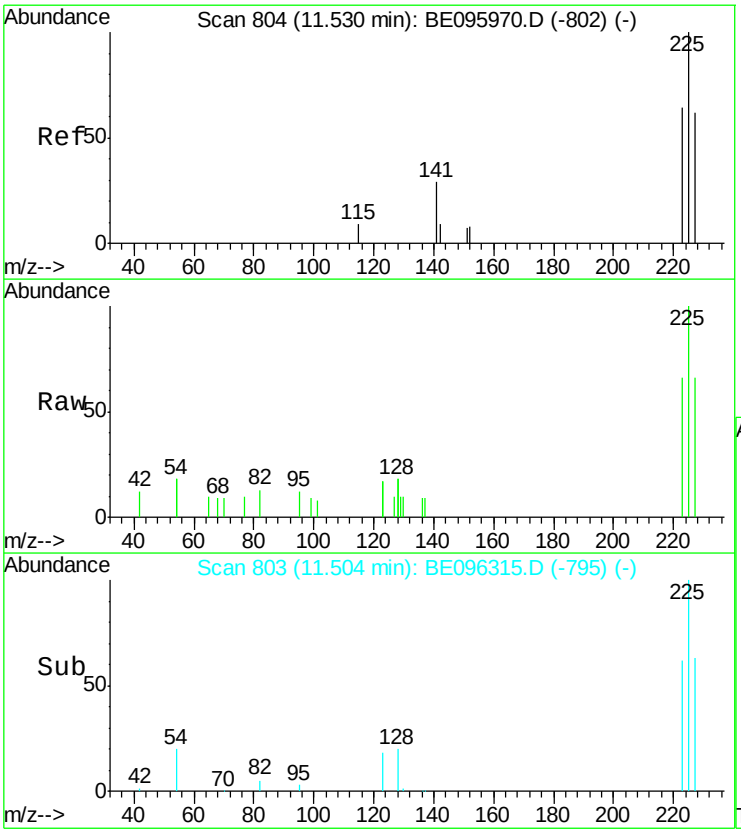
#9
Naphthalene
Concen: 0.379 ng
RT: 11.23 min Scan# 782
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 14693

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

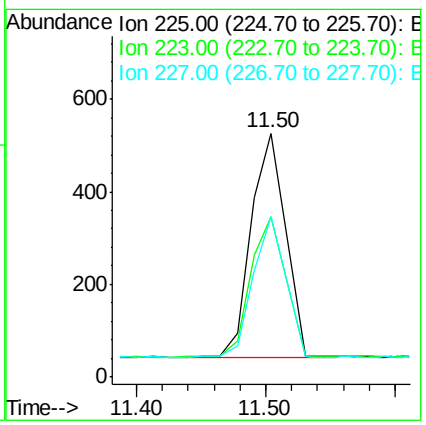


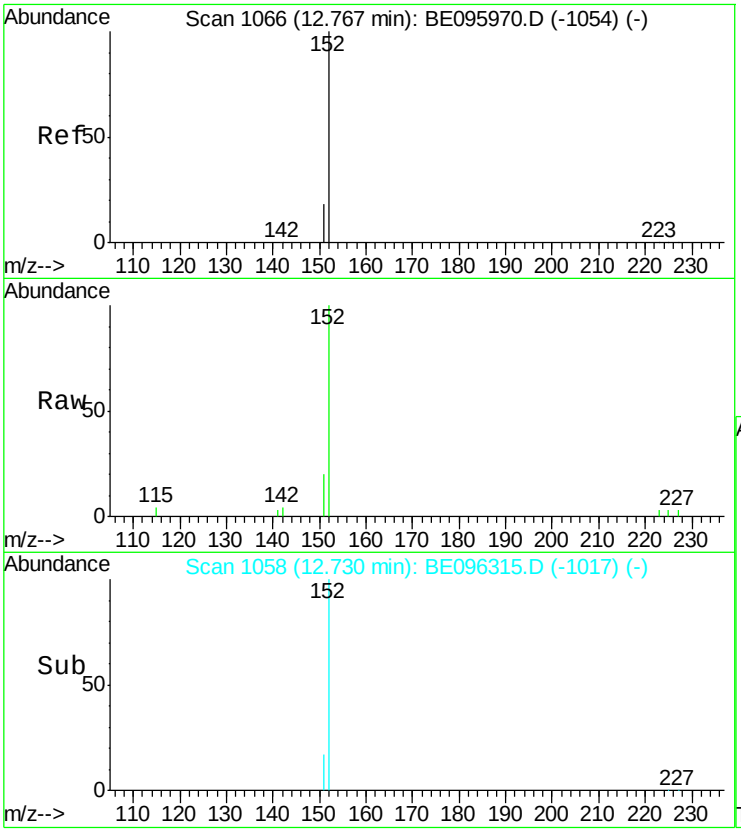


#10
Hexachlorobutadiene
Concen: 0.327 ng
RT: 11.50 min Scan# 803
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:225 Resp: 562

Ion	Ratio	Lower	Upper
225	100		
223	83.6	53.0	79.6#
227	67.3	51.4	77.2



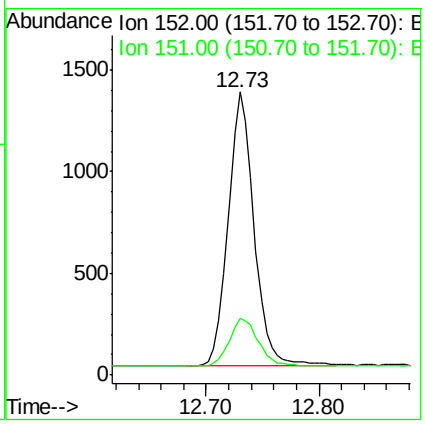


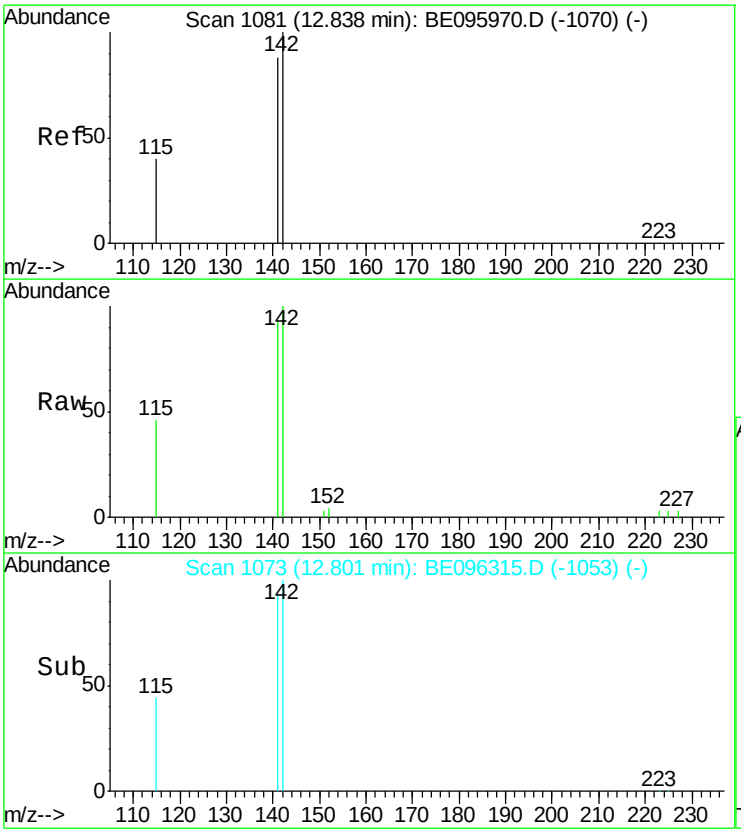
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.73 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2154

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

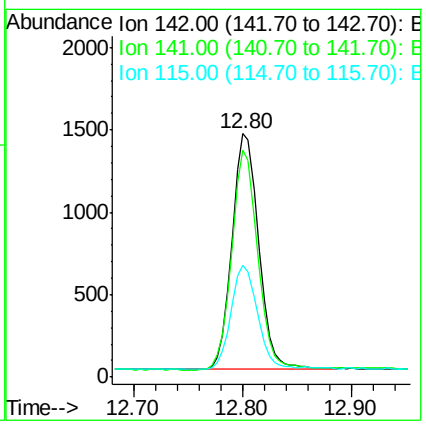


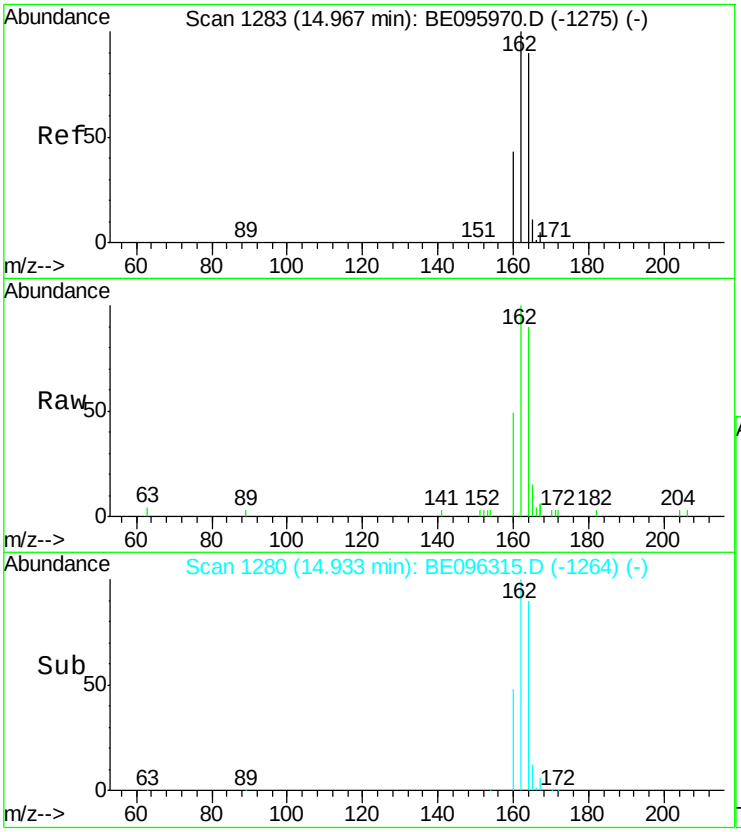


#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:142 Resp: 2384

Ion	Ratio	Lower	Upper
142	100		
141	93.4	70.4	105.6
115	45.9	31.7	47.5



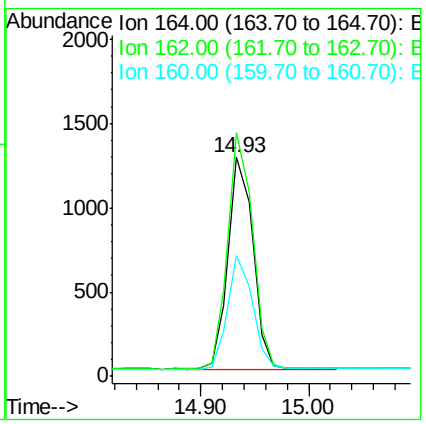


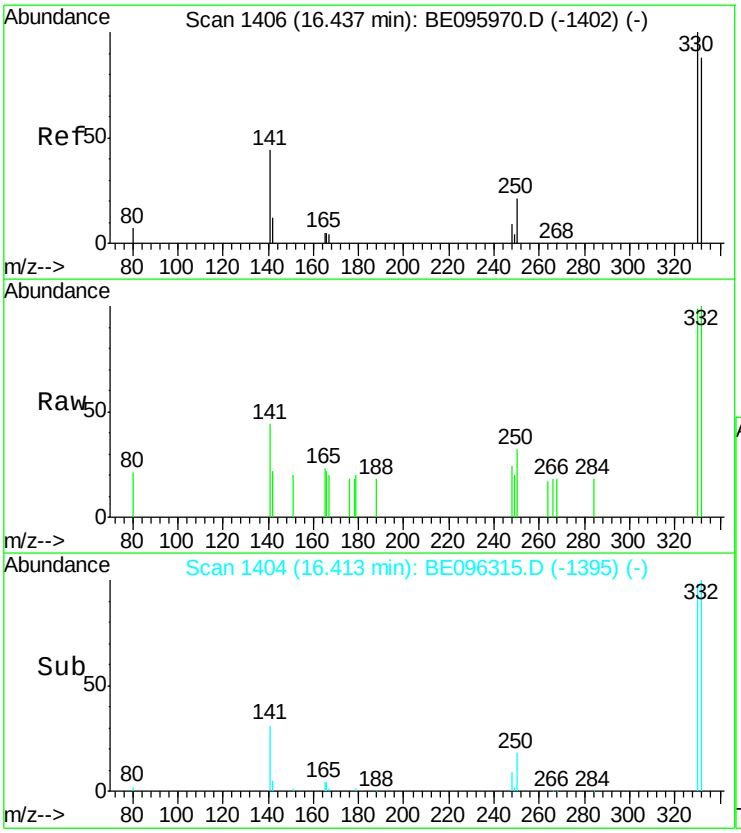
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.93 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2001

Ion	Ratio	Lower	Upper
164	100		
162	111.2	83.1	124.7
160	54.9	37.1	55.7

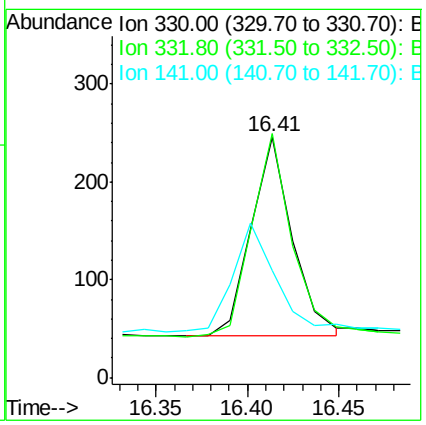


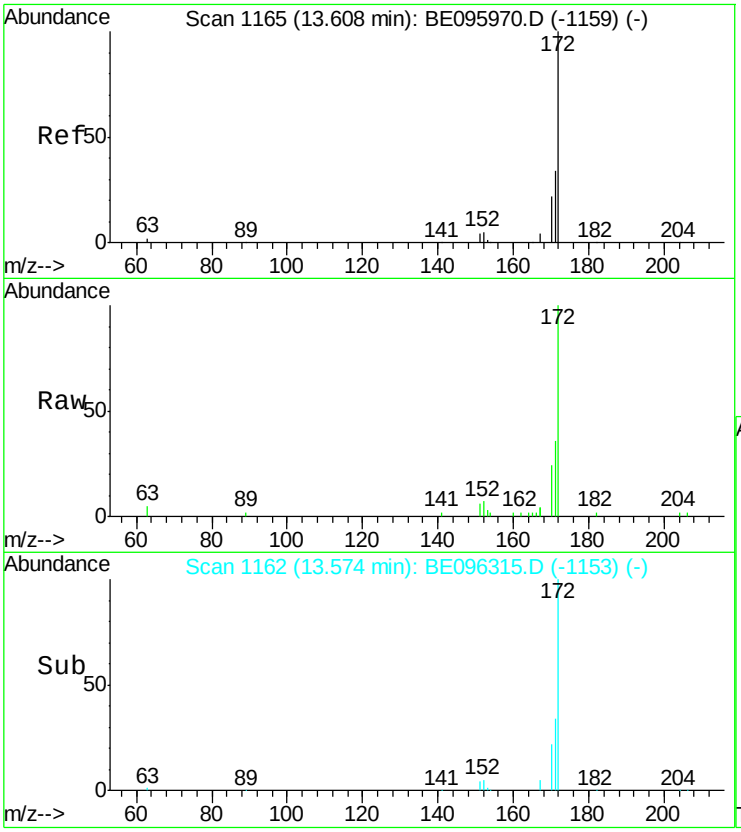


#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:330 Resp: 317

Ion	Ratio	Lower	Upper
330	100		
332	100.9	152.7	229.1#
141	55.8	33.7	50.5#



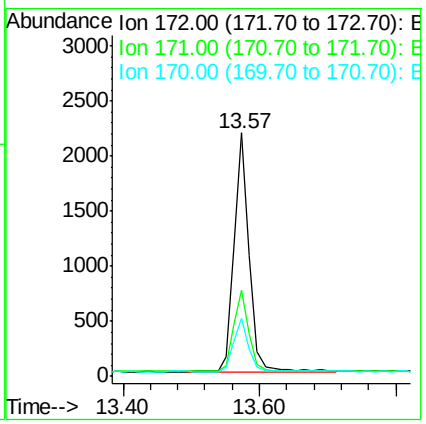


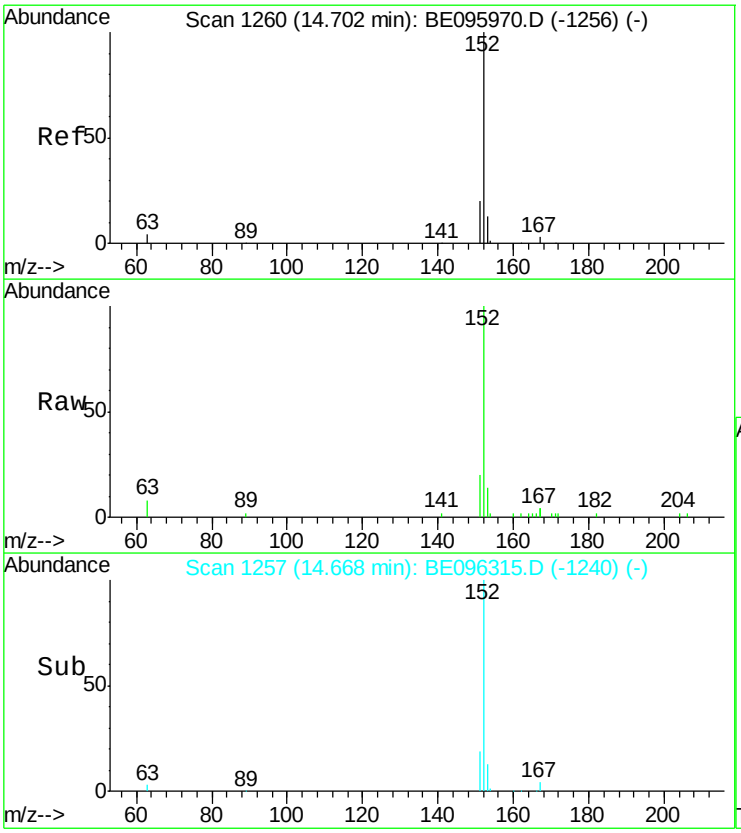
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3342

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	23.7	21.8	32.8

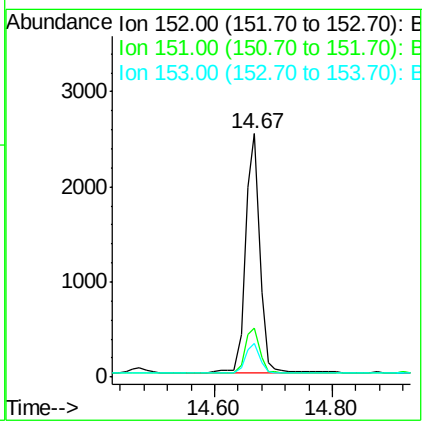


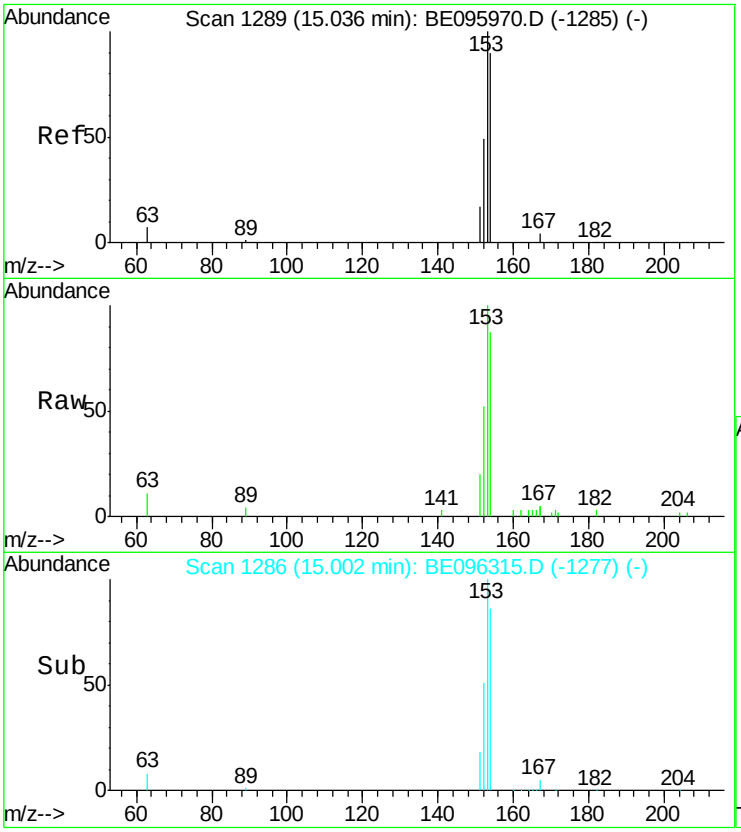


#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:152 Resp: 4170

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	12.7	10.5	15.7



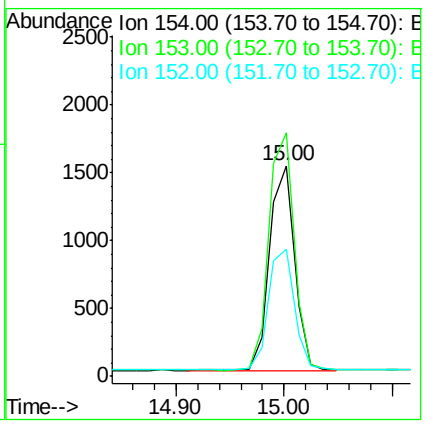


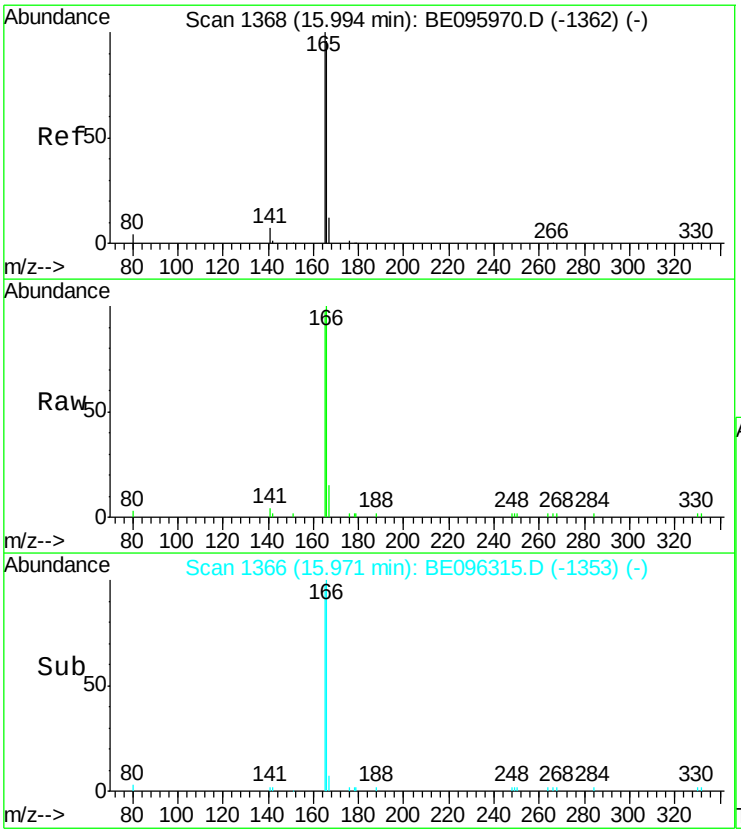
#17
Acenaphthene
Concen: 0.380 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2440

Ion	Ratio	Lower	Upper
154	100		
153	117.7	89.2	133.8
152	61.4	42.0	63.0

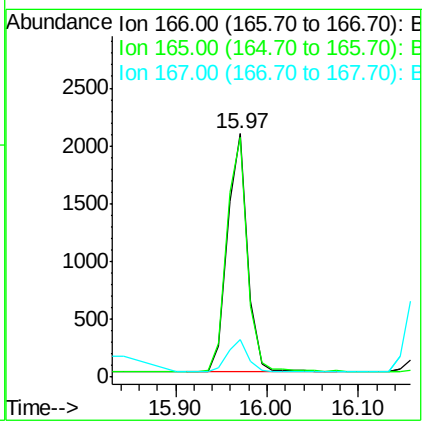


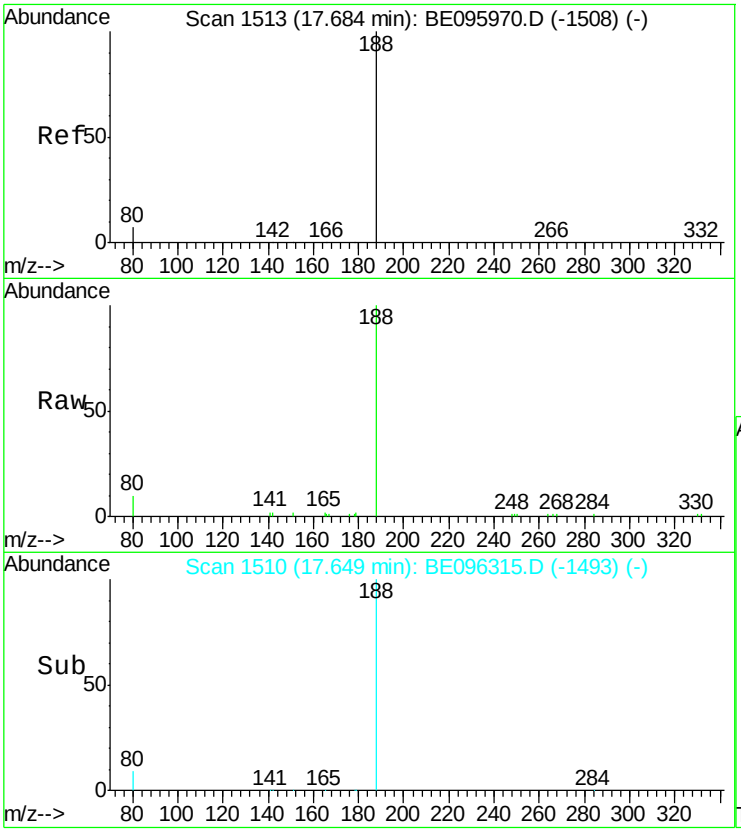


#18
Fluorene
Concen: 0.398 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:166 Resp: 3161

Ion	Ratio	Lower	Upper
166	100		
165	100.9	77.8	116.6
167	14.4	42.4	63.6#



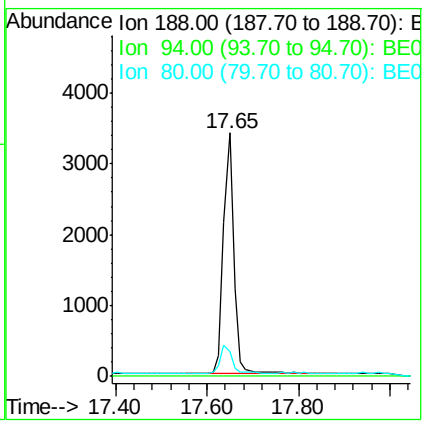


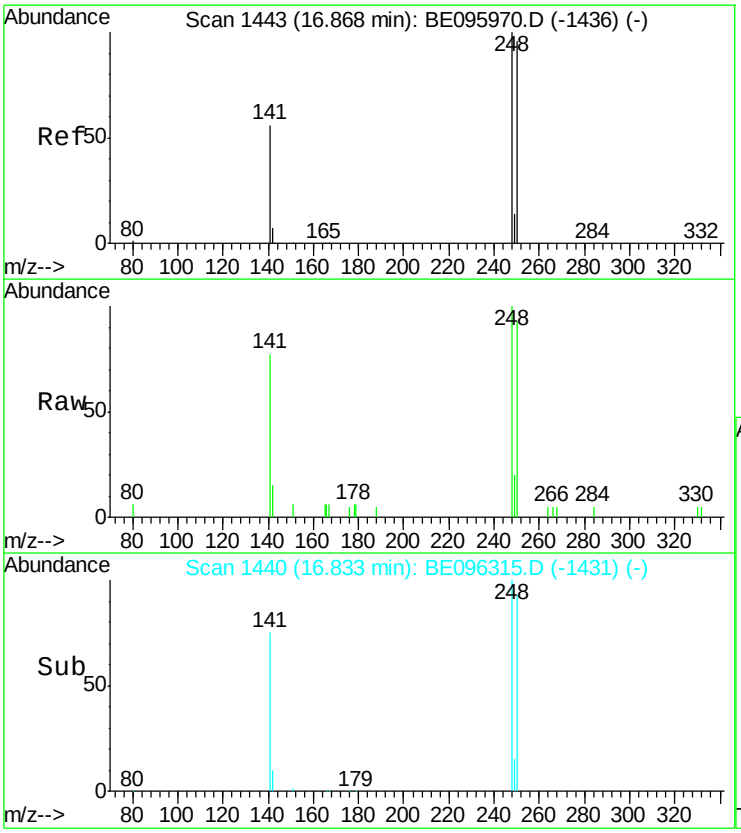
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5147

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.2	3.6	5.4#

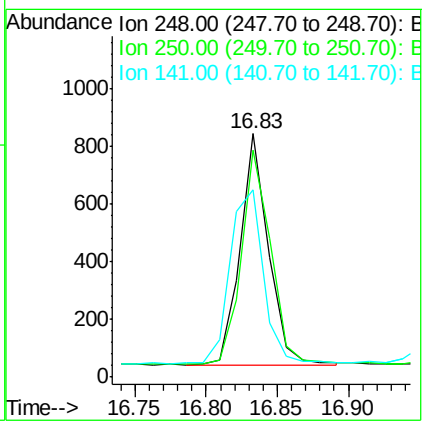


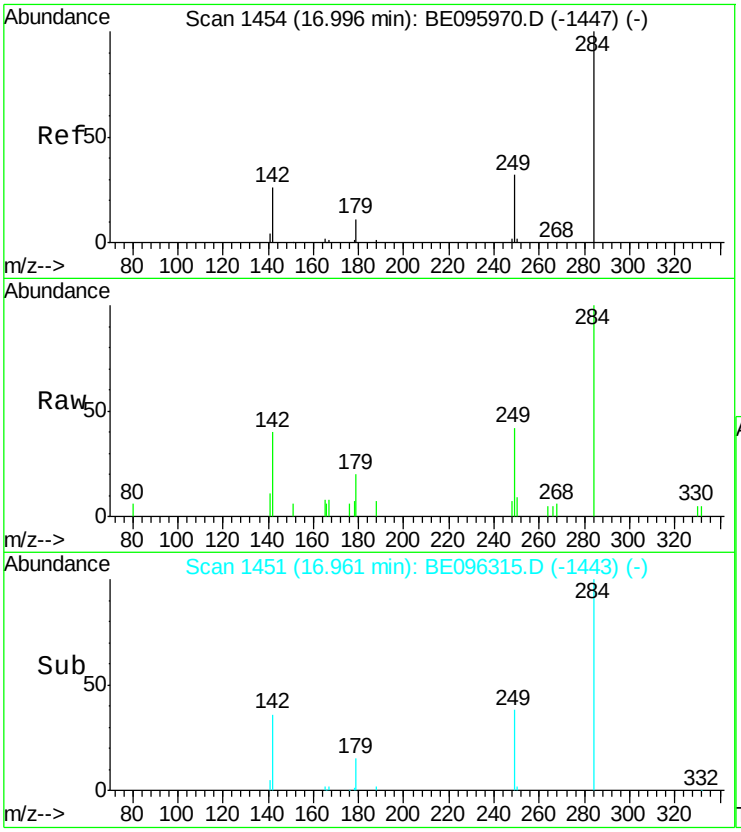


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.83 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:248 Resp: 1101

Ion	Ratio	Lower	Upper
248	100		
250	93.3	62.7	94.1
141	76.7	48.2	72.2#



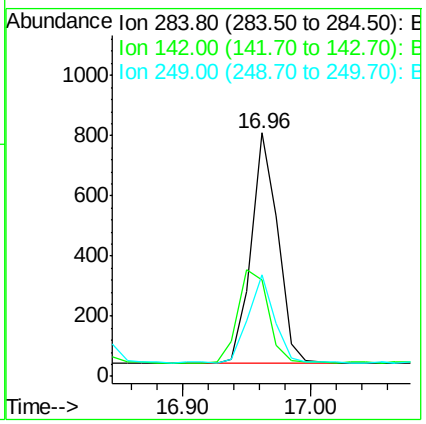


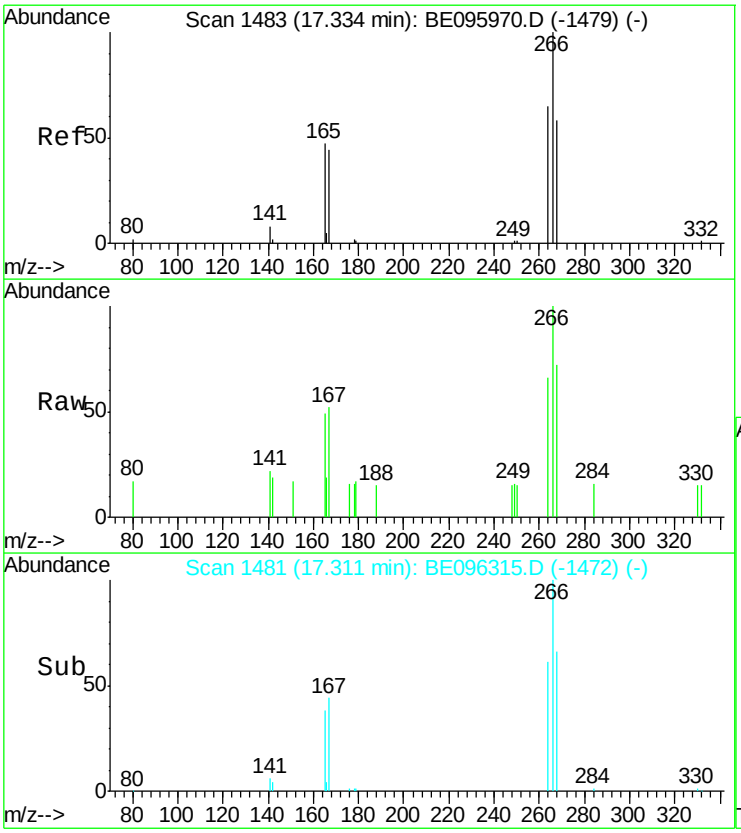
#21
Hexachlorobenzene
Concen: 0.364 ng
RT: 16.96 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1110

Ion	Ratio	Lower	Upper
284	100		
142	46.4	22.1	33.1#
249	37.7	34.8	52.2

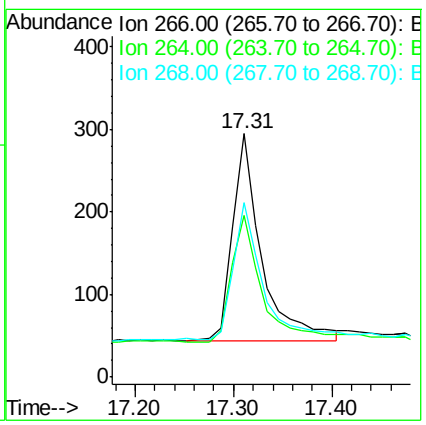


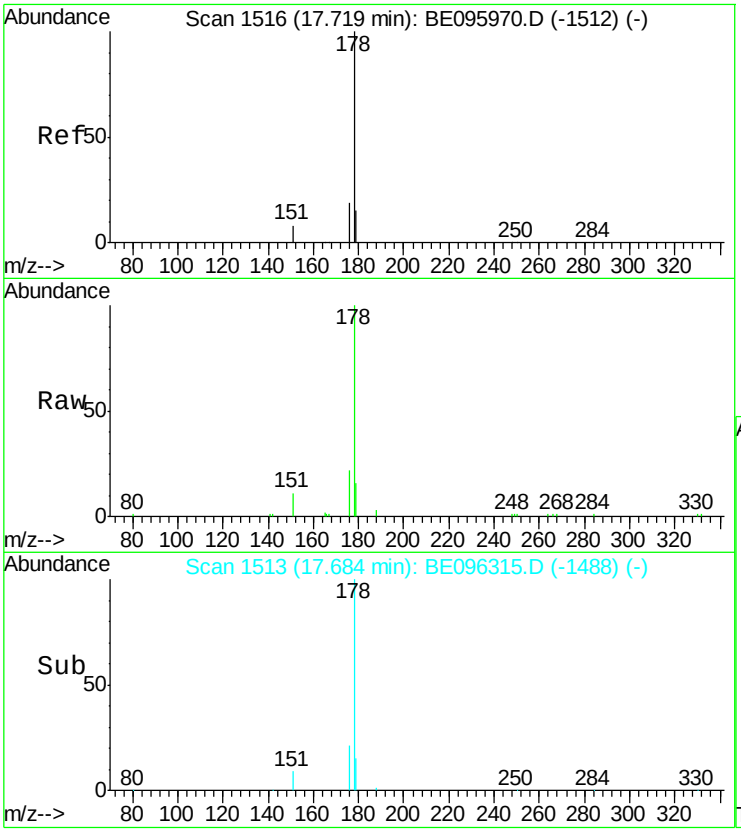


#22
Pentachlorophenol
Concen: 0.501 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:266 Resp: 513

Ion	Ratio	Lower	Upper
266	100		
264	66.4	72.5	108.7#
268	71.5	73.8	110.6#



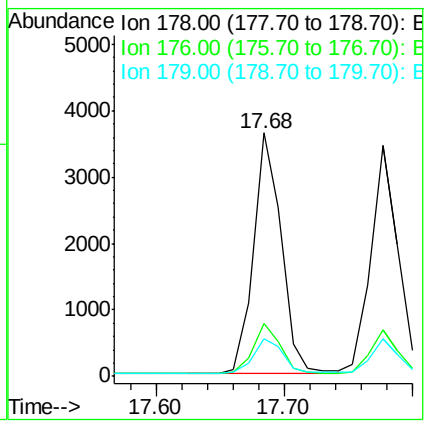


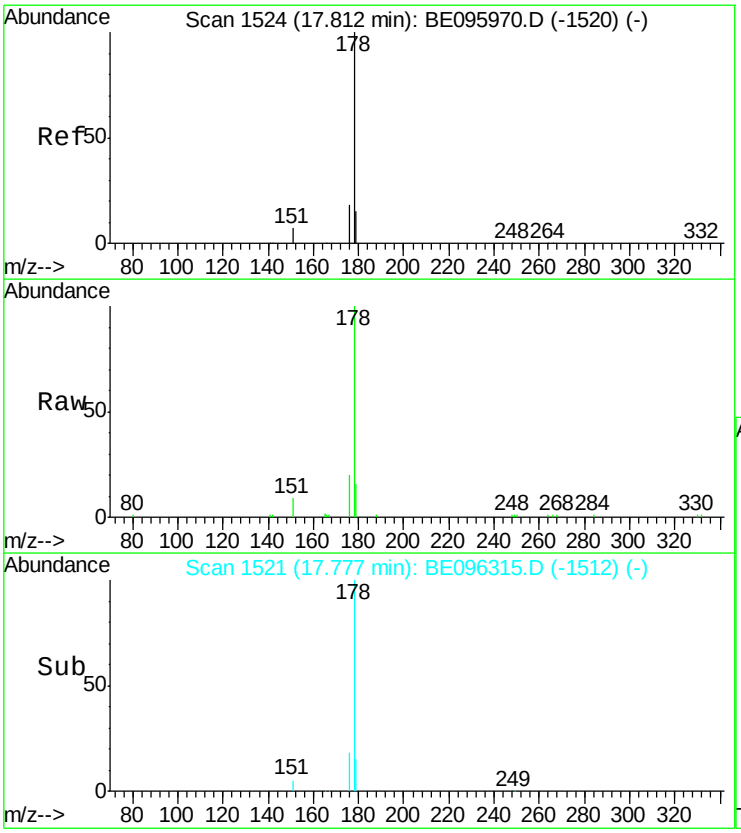
#23
Phenanthrene
Concen: 0.378 ng
RT: 17.68 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5467

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	14.9	11.8	17.6

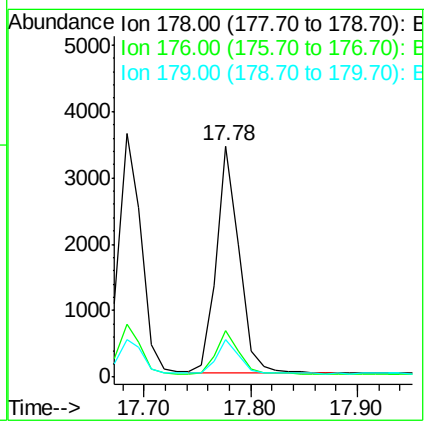


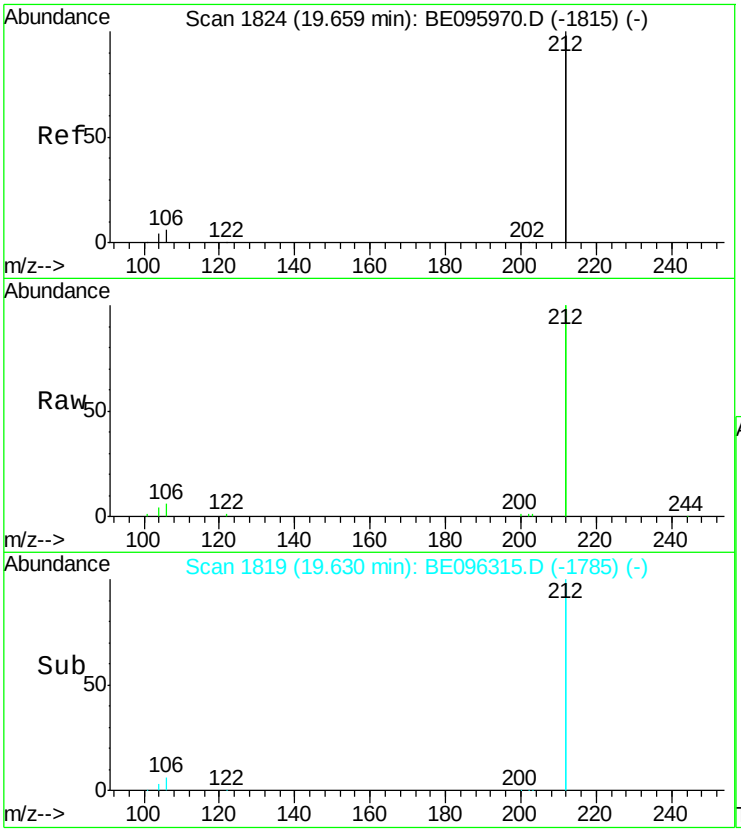


#24
Anthracene
Concen: 0.369 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:178 Resp: 5093

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	14.9	13.0	19.6



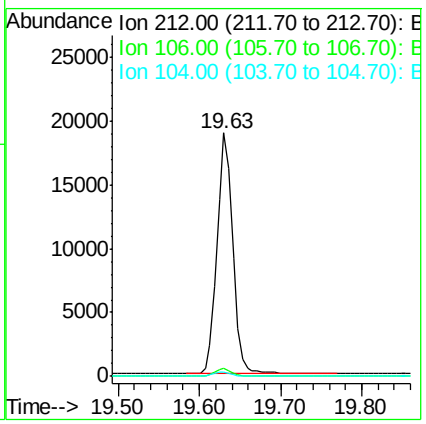


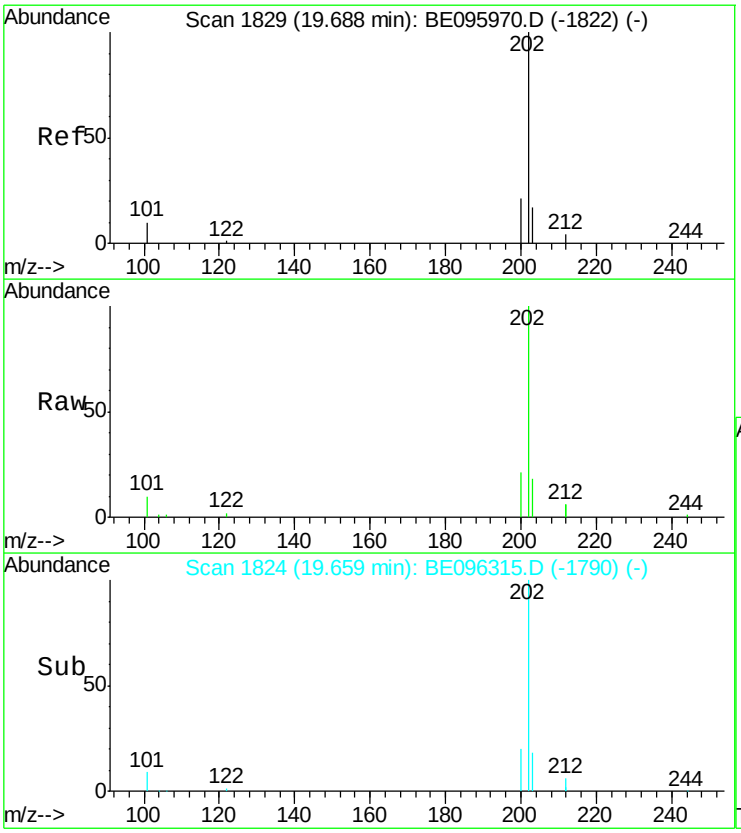
#25
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.63 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 25560

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.6	1.6	2.4

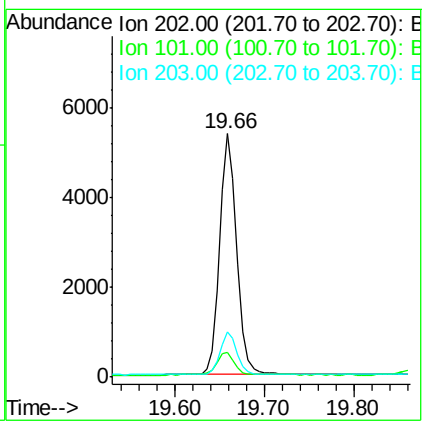


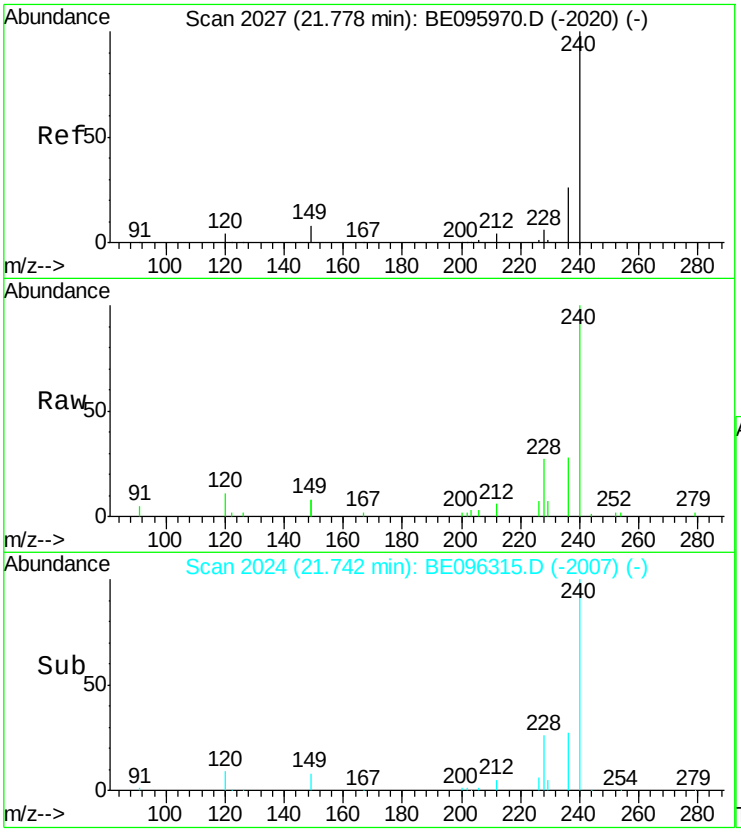


#26
Fluoranthene
Concen: 0.373 ng
RT: 19.66 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:202 Resp: 7096

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.4	13.7	20.5



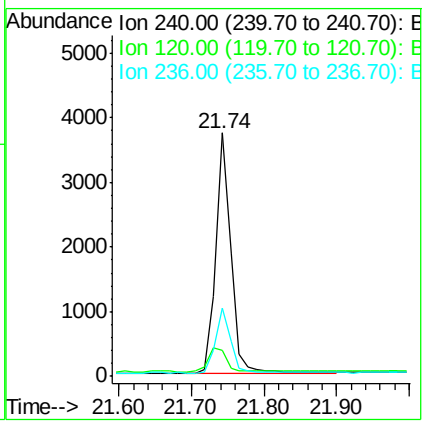


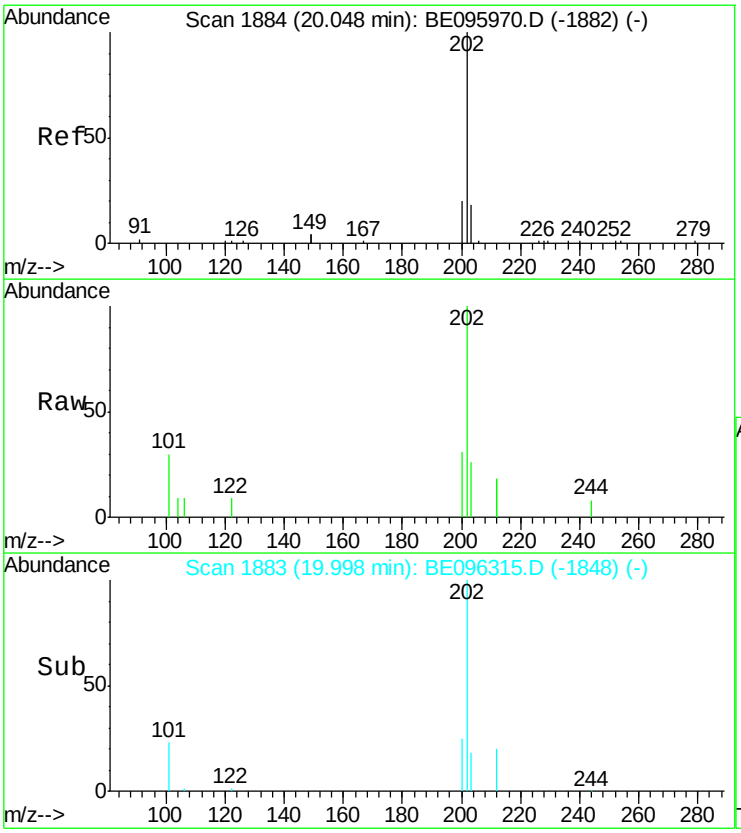
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.74 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 5363

Ion	Ratio	Lower	Upper
240	100		
120	10.5	5.5	8.3#
236	28.2	20.7	31.1

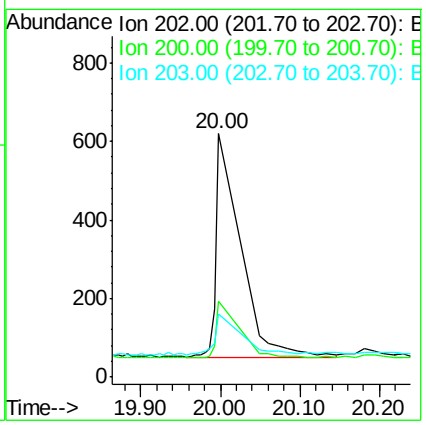


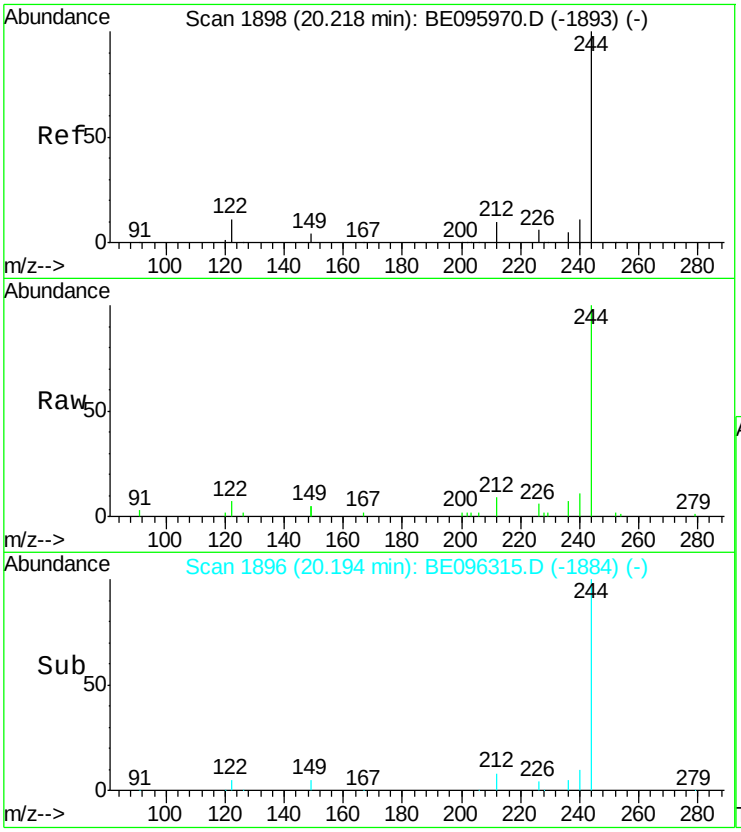


#28
Pyrene
Concen: 0.062 ng
RT: 20.00 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:202 Resp: 650

Ion	Ratio	Lower	Upper
202	100		
200	26.0	16.6	25.0#
203	21.5	13.8	20.8#



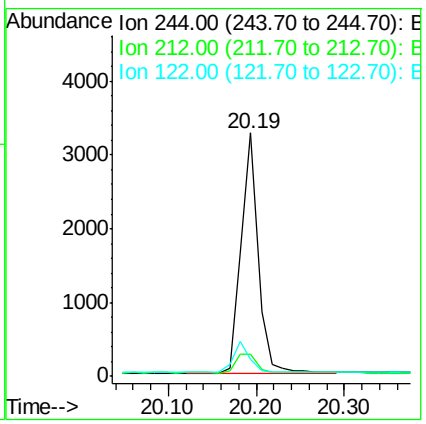


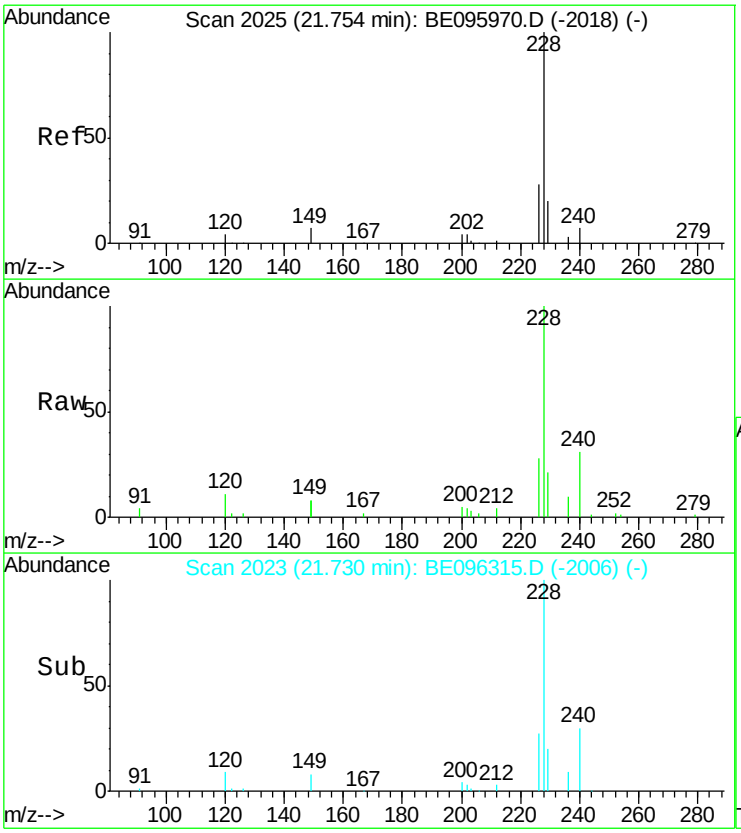
#29
Terphenyl-d14
Concen: 0.371 ng
RT: 20.19 min Scan# 1896
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4392

Ion	Ratio	Lower	Upper
244	100		
212	9.0	25.4	38.0#
122	6.9	8.1	12.1#

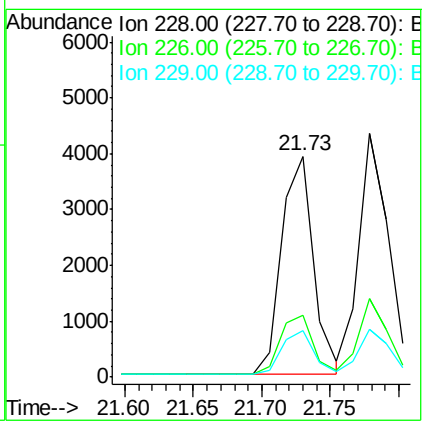


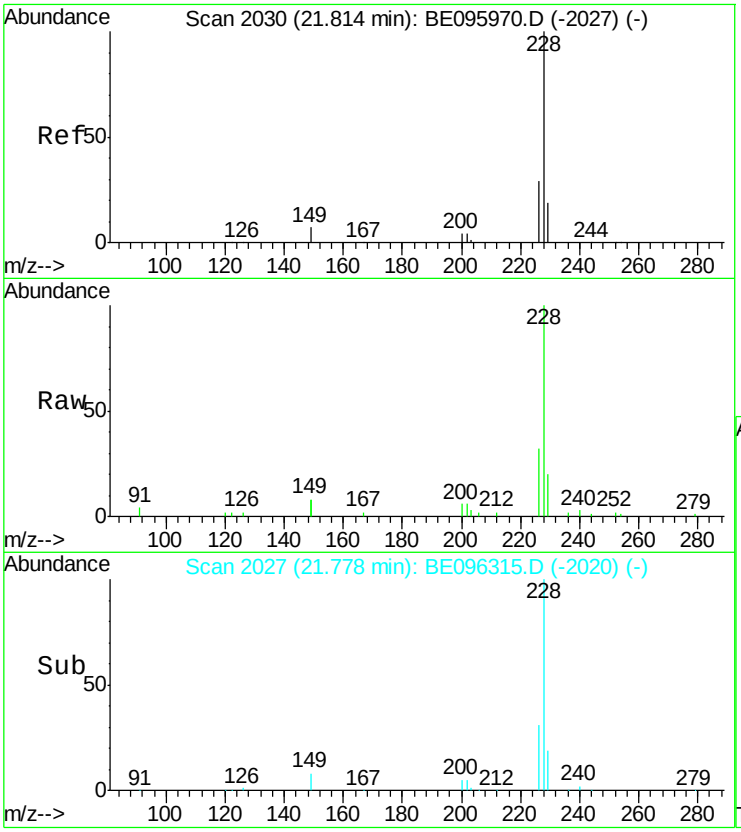


#30
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:228 Resp: 6298

Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.0	36.0
229	21.2	16.0	24.0



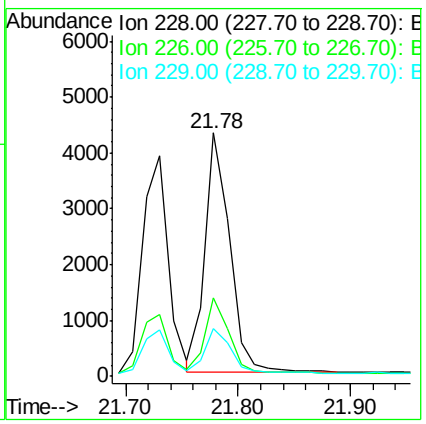


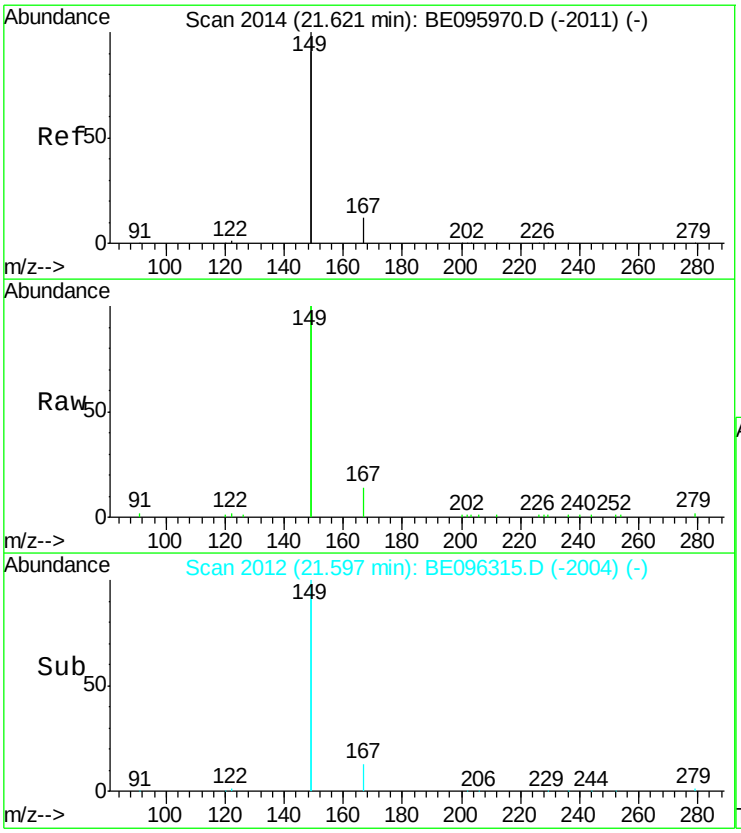
#31
Chrysene
Concen: 0.390 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 6483

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	19.7	16.0	24.0

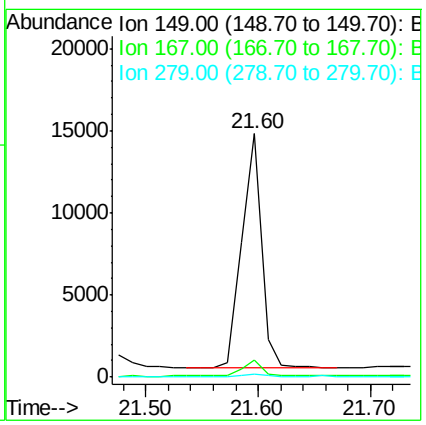


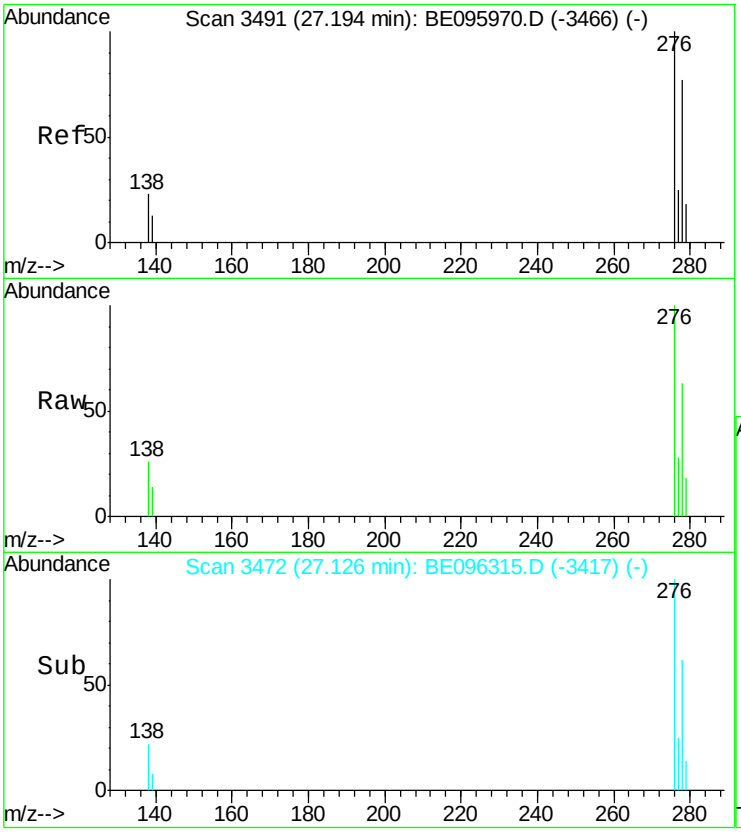


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.394 ng
RT: 21.60 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:149 Resp: 17493

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.8	0.7	1.1



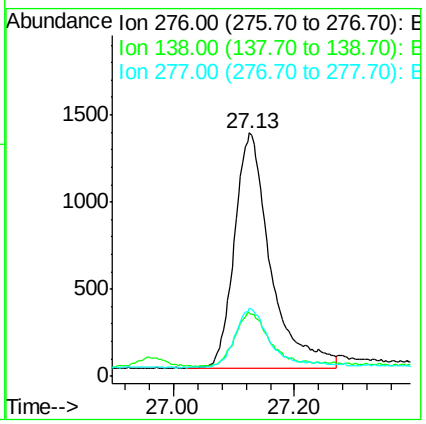


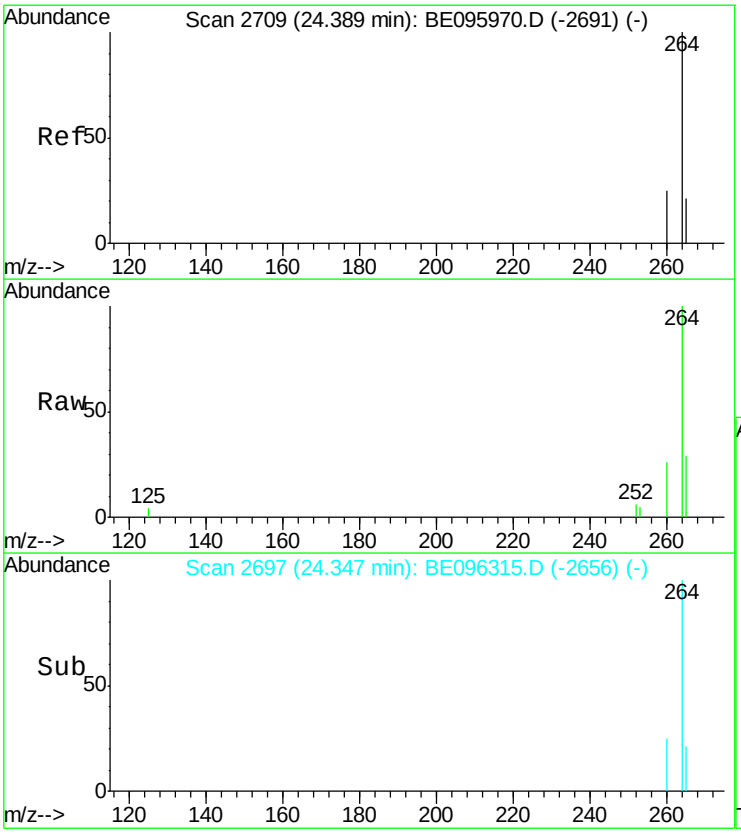
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.345 ng
RT: 27.13 min Scan# 3472
Delta R.T. -0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 5553

Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.5	33.7
277	23.8	19.9	29.9

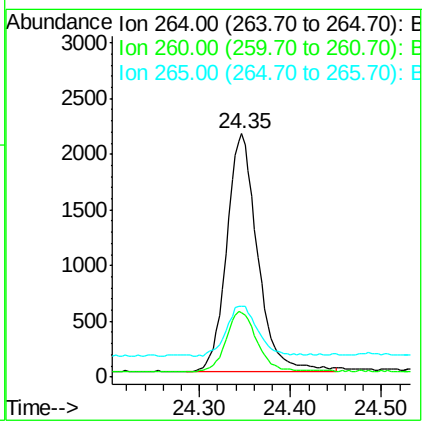


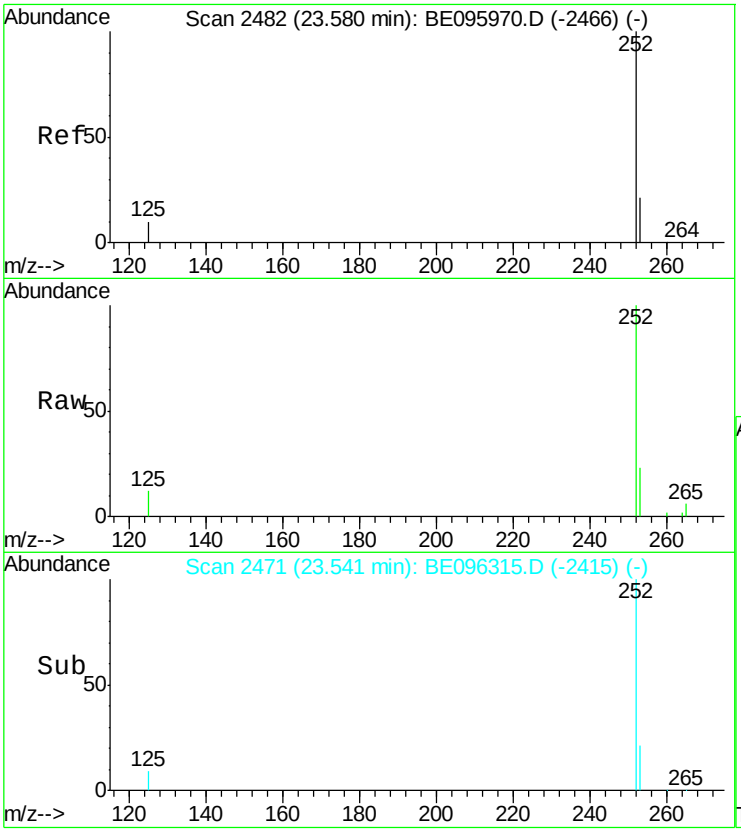


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2697
Delta R.T. -0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:264 Resp: 5020

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.5	30.7
265	29.2	22.8	34.2



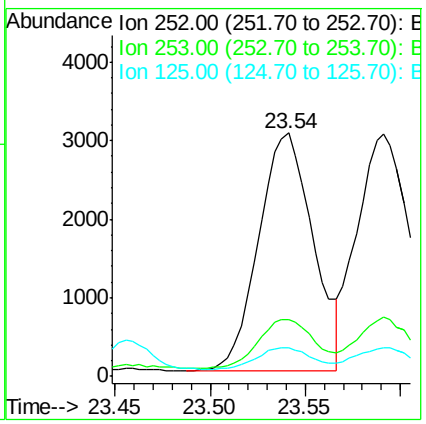


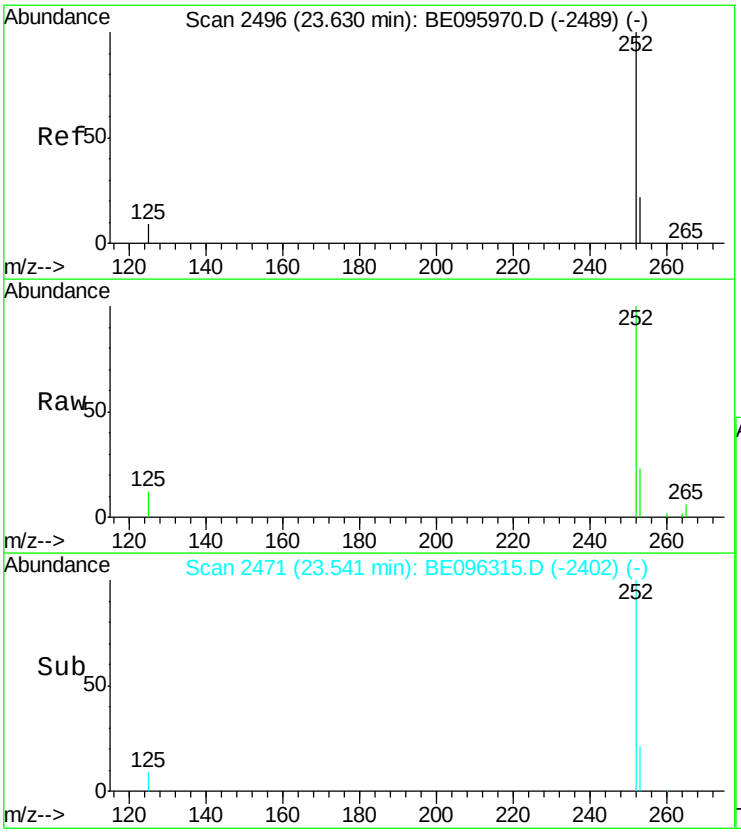
#35
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 23.54 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 6024

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.0	30.0
125	11.6	16.0	24.0#

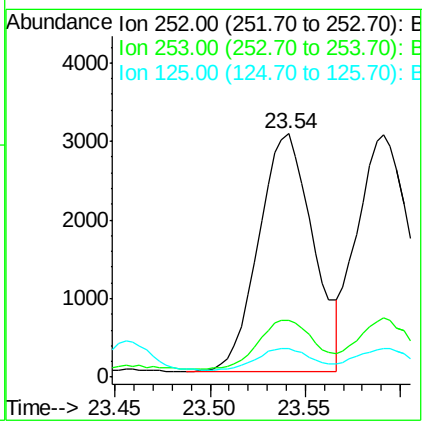


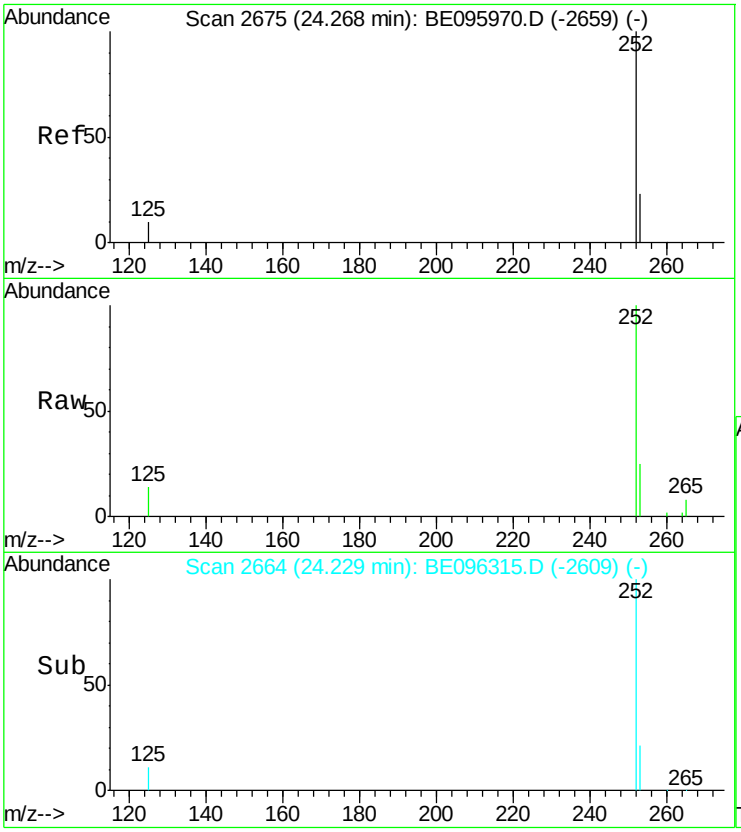


#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 23.54 min Scan# 2471
Delta R.T. -0.05 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:252 Resp: 6024

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	11.6	8.0	12.0



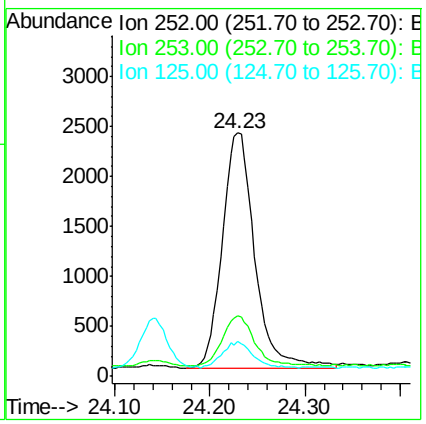


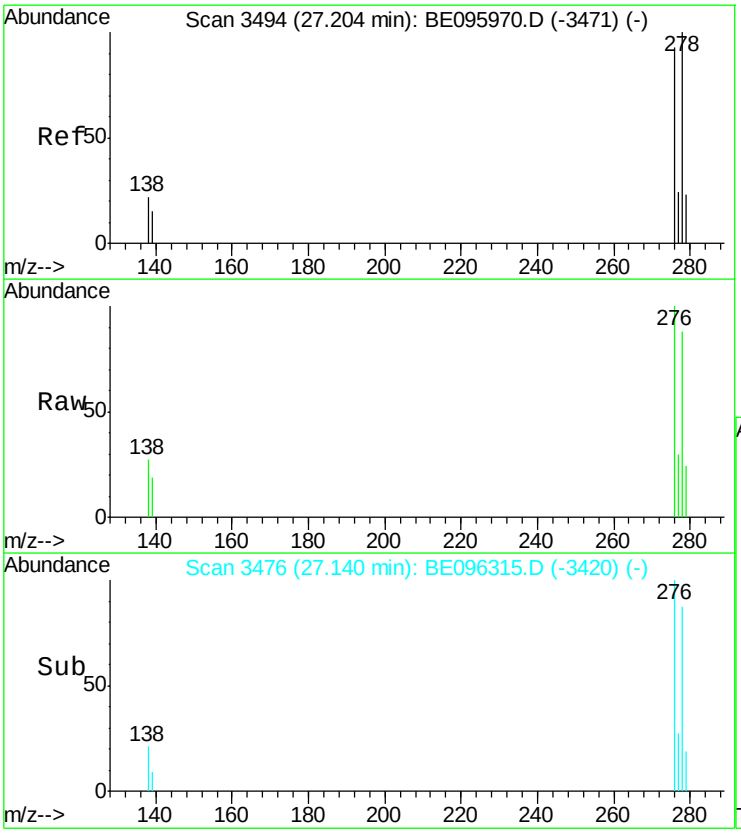
#37
Benzo(a)pyrene
Concen: 0.388 ng
RT: 24.23 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 5618

Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0#
125	14.2	12.0	18.0

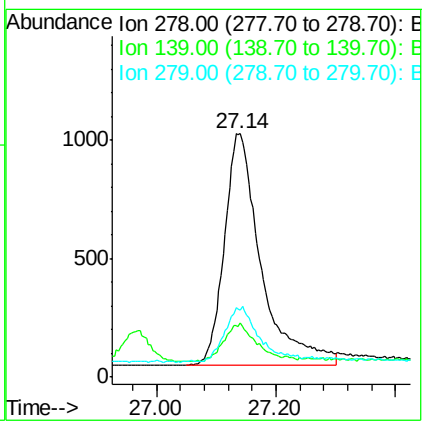


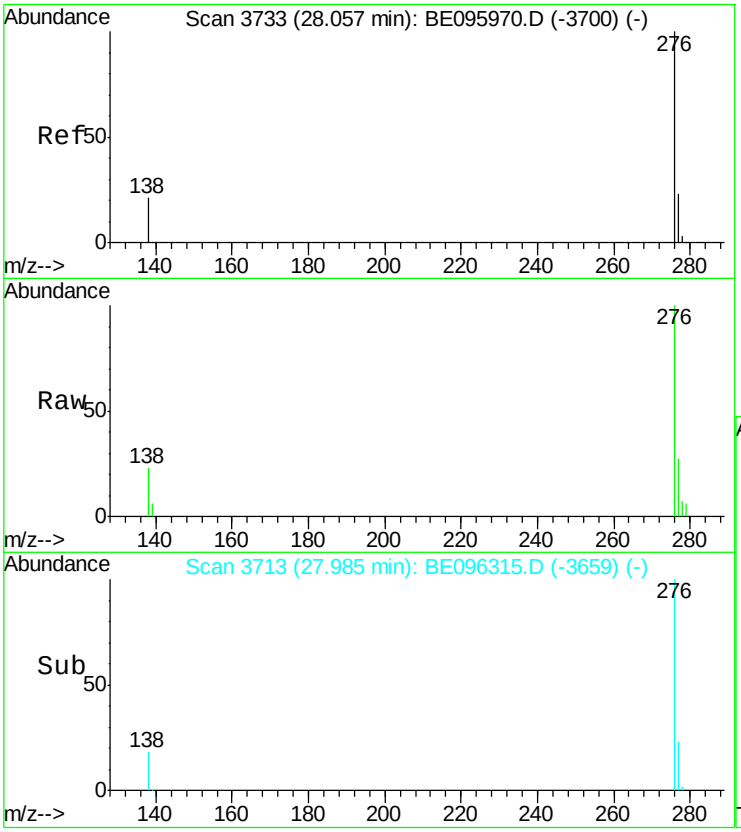


#38
Dibenzo(a,h)anthracene
Concen: 0.330 ng
RT: 27.14 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Tgt Ion:278 Resp: 4211

Ion	Ratio	Lower	Upper
278	100		
139	22.0	16.0	24.0
279	27.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 27.99 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BE096315.D
Acq: 3 May 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 5093

Ion	Ratio	Lower	Upper
276	100		
277	26.6	16.0	24.0#
138	22.5	20.0	30.0