Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
Data File : BE095728.D
Acq On : 12 Mar 2018 13:53
Operator : SJ/JU
Sample : PB107231BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB107231BS

Quant Time: Mar 12 15:08:10 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1655	0.40	ng		0.00
7) Naphthalene-d8	11.27	136	6880	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	3986	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	8765	0.40	ng		0.00
27) Chrysene-d12	21.80	240	8776	0.40	ng		0.00
34) Perylene-d12	24.43	264	8166	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	1645	0.38	ng		0.00
5) Phenol-d6	7.56	99	2546	0.42	ng		0.00
8) Nitrobenzene-d5	9.61	82	2616	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	4236	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	621	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	6343	0.36	ng		0.00
25) Fluoranthene-d10	19.69	212	40990	0.36	ng		0.00
29) Terphenyl-d14	20.25	244	6748	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	900	0.345	ng	#	87
3) n-Nitrosodimethylamine	4.00	42	1255	0.388	ng	#	83
6) bis(2-Chloroethyl)ether	7.82	93	2322	0.374	ng		93
9) Naphthalene	11.31	128	28836	0.364	ng		99
10) Hexachlorobutadiene	11.57	225	1775	0.384	ng		96
12) 2-Methylnaphthalene	12.87	142	5028	0.367	ng		94
16) Acenaphthylene	14.73	152	8032	0.359	ng		99
17) Acenaphthene	15.07	154	5054	0.359	ng		96
18) Fluorene	16.03	166	6156	0.353	ng	#	78
20) 4-Bromophenyl-phenylether	16.89	248	1967	0.358	ng	#	68
21) Hexachlorobenzene	17.02	284	1992	0.350	ng	#	82
22) Pentachlorophenol	17.36	266	1127	0.717	ng	#	74
23) Phenanthrene	17.75	178	9701	0.354	ng		98
24) Anthracene	17.84	178	9199	0.366	ng		96
26) Fluoranthene	19.72	202	11860	0.352	ng		97
28) Pyrene	20.07	202	13857	0.386	ng		98
30) Benzo(a)anthracene	21.78	228	10998	0.384	ng		98
31) Chrysene	21.84	228	10285	0.361	ng		99
32) Bis(2-ethylhexyl)phthalate	21.66	149	23242	0.459	ng		100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10628	0.385	ng	#	94
35) Benzo(b)fluoranthene	23.61	252	10298	0.354	ng	#	89
36) Benzo(k)fluoranthene	23.66	252	10124	0.350	ng		95
37) Benzo(a)pyrene	24.31	252	9348	0.357	ng		93
38) Dibenzo(a,h)anthracene	27.25	278	8586	0.368	ng		96
39) Benzo(g,h,i)perylene	28.11	276	8866	0.355	ng	#	90

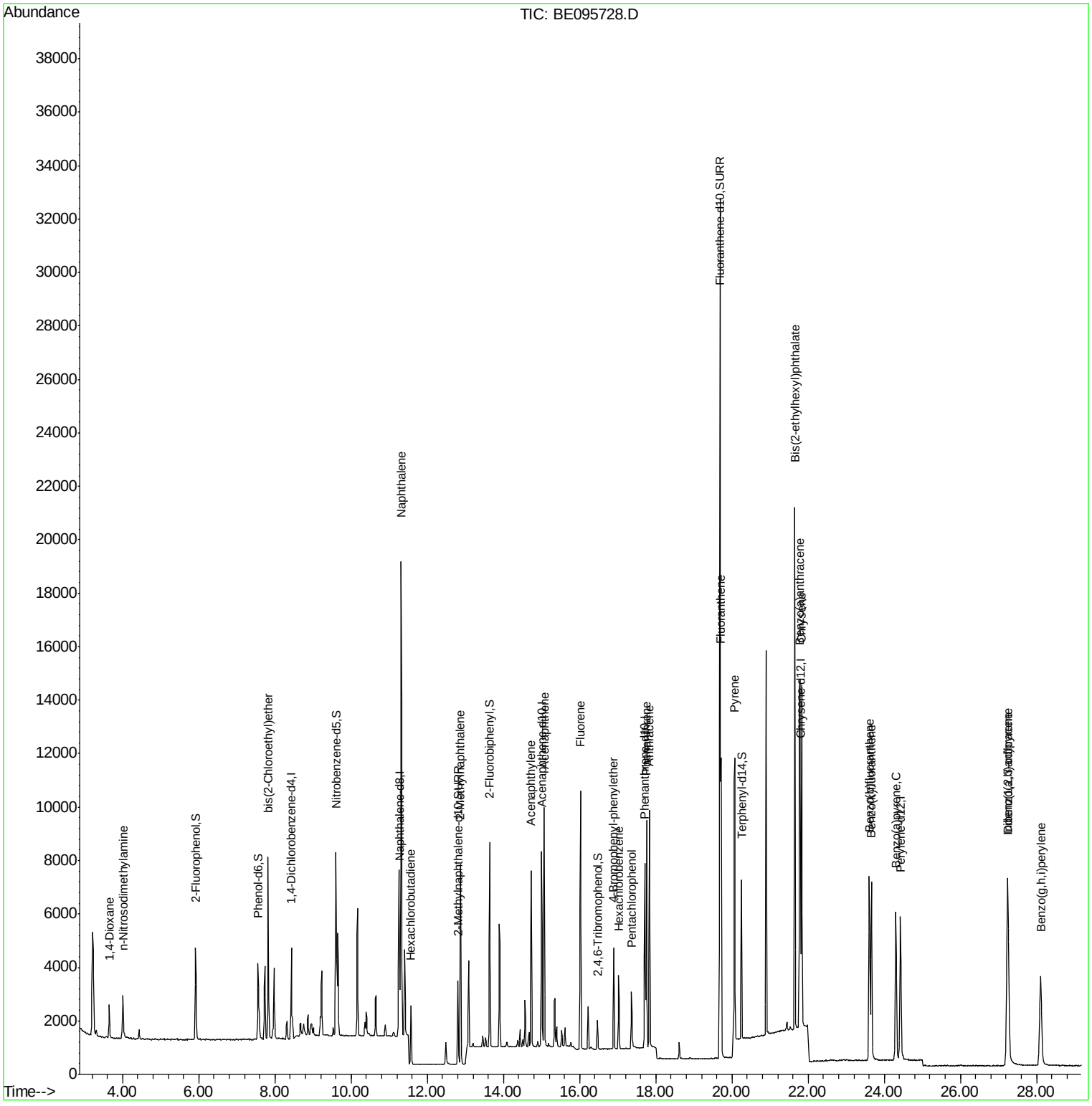
(#) = qualifier out of range (m) = manual integration (+) = signals summed

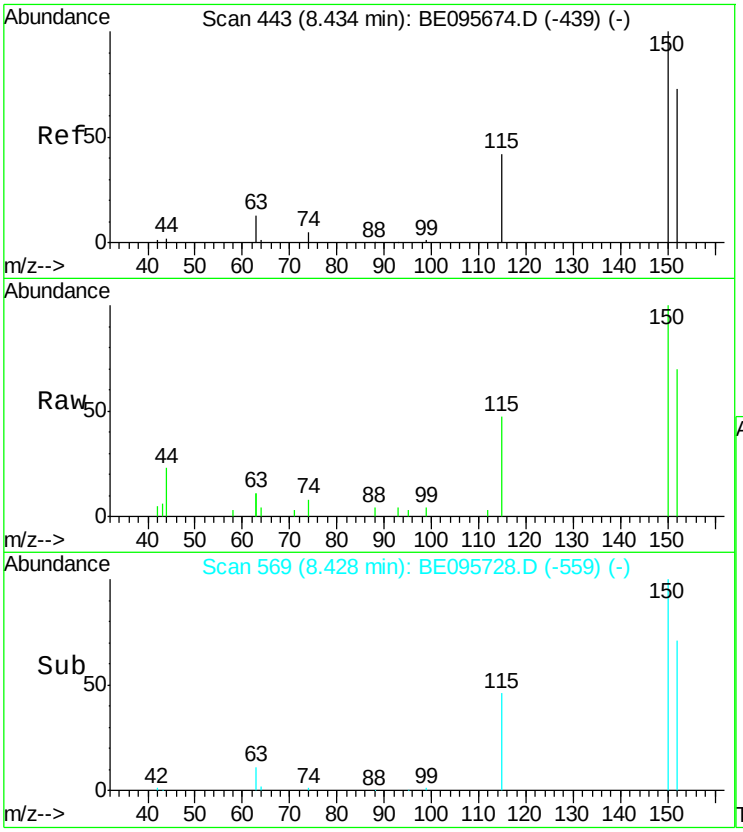
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
Data File : BE095728.D
Acq On : 12 Mar 2018 13:53
Operator : SJ/JU
Sample : PB107231BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Quant Time: Mar 12 15:08:10 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration



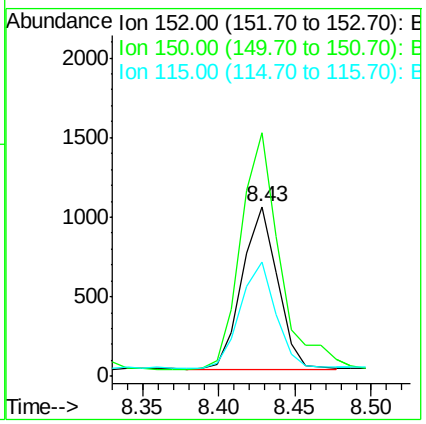


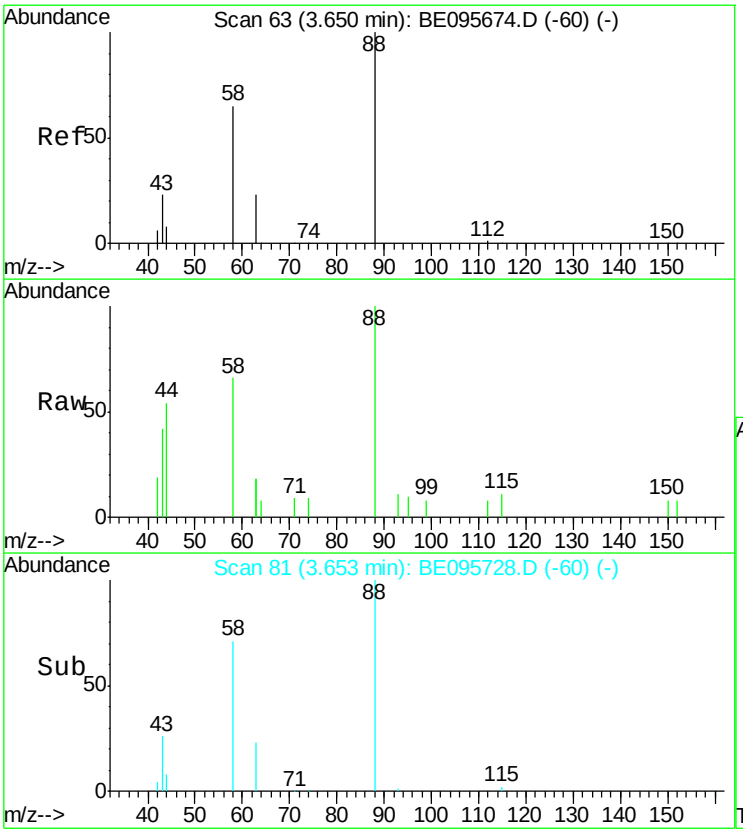
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:152 Resp: 1655

Ion	Ratio	Lower	Upper
152	100		
150	143.4	117.2	175.8
115	67.4	57.0	85.6

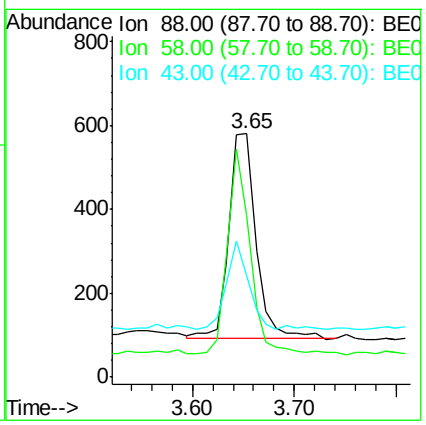


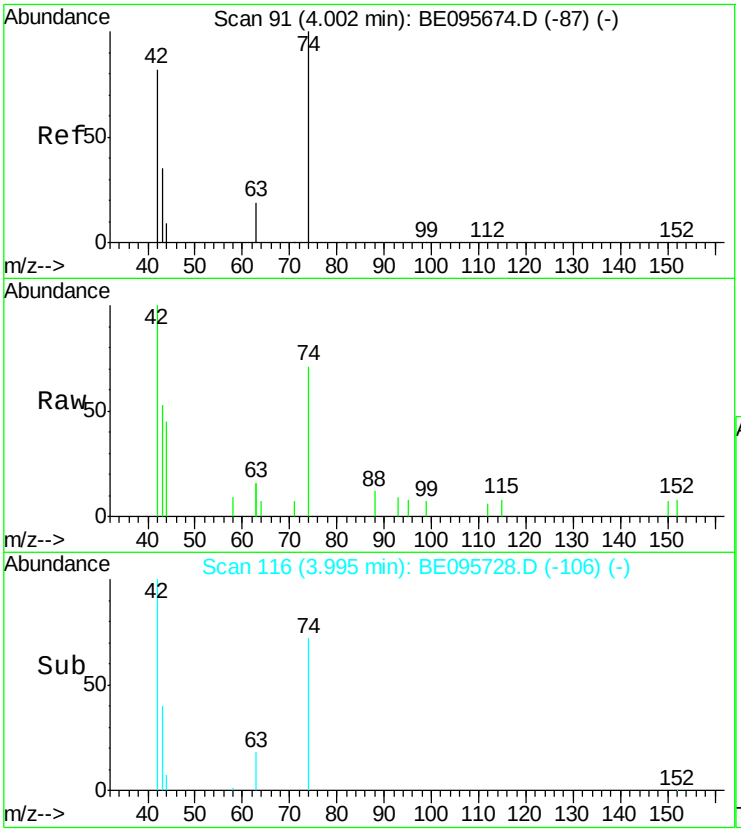


#2
1,4-Dioxane
Concen: 0.345 ng
RT: 3.65 min Scan# 81
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion: 88 Resp: 900

Ion	Ratio	Lower	Upper
88	100		
58	84.8	63.2	94.8
43	35.3	41.2	61.8#



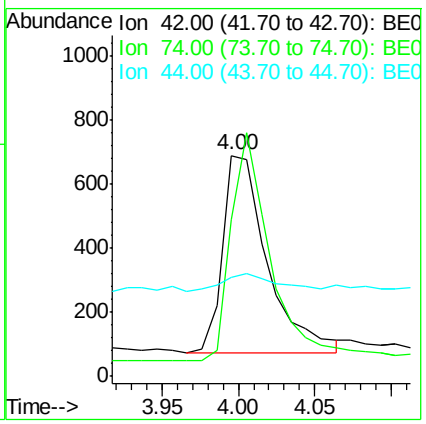


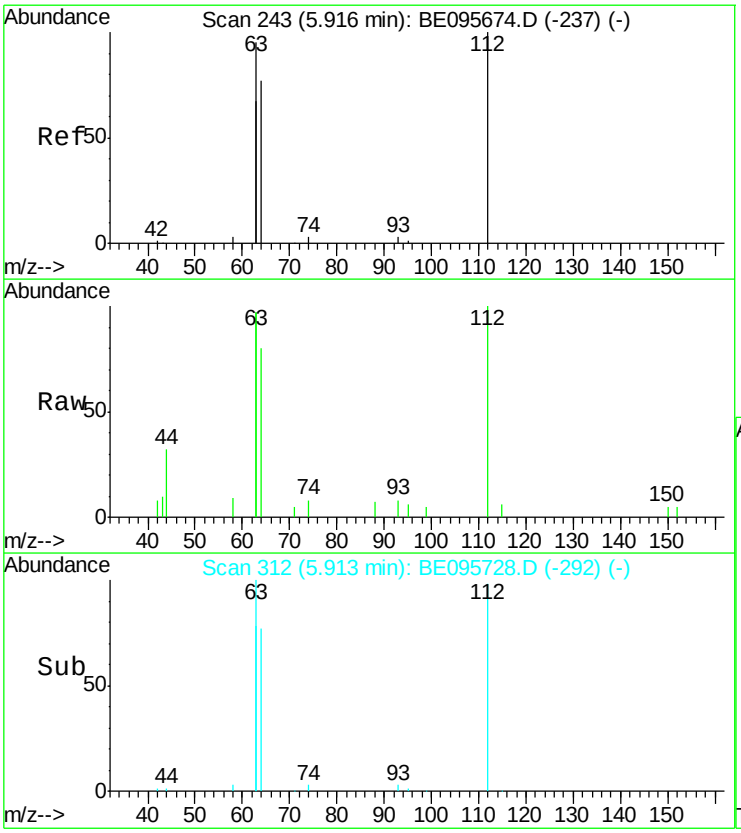
#3
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 4.00 min Scan# 116
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion: 42 Resp: 1255

Ion	Ratio	Lower	Upper
42	100		
74	99.6	96.0	144.0
44	11.6	12.0	18.0#

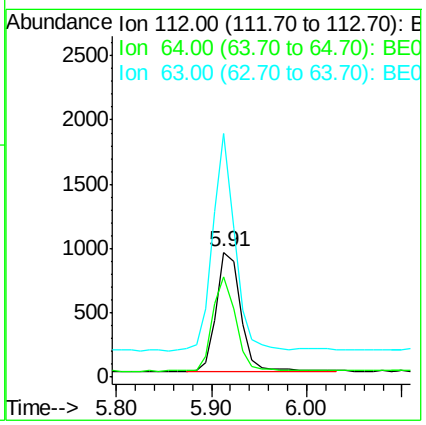


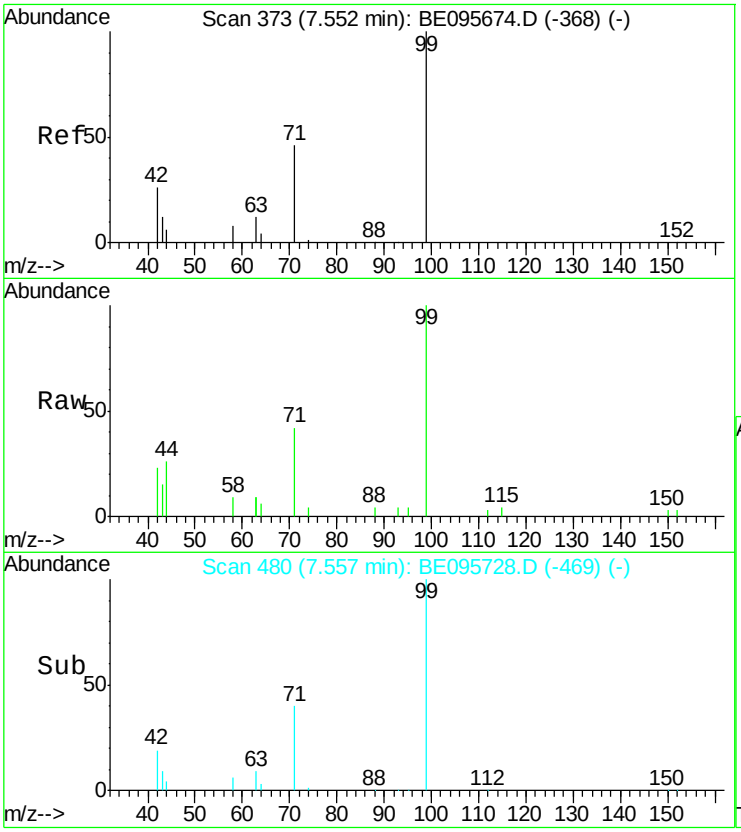


#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:112 Resp: 1645

Ion	Ratio	Lower	Upper
112	100		
64	77.5	60.1	90.1
63	168.1	116.8	175.2



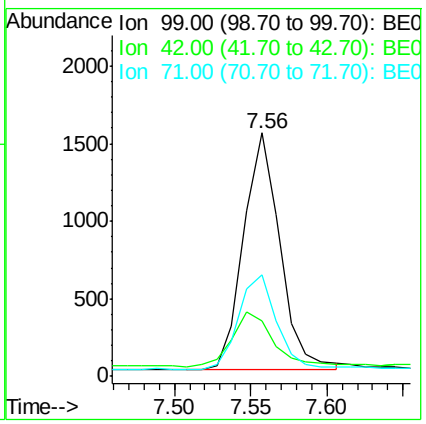


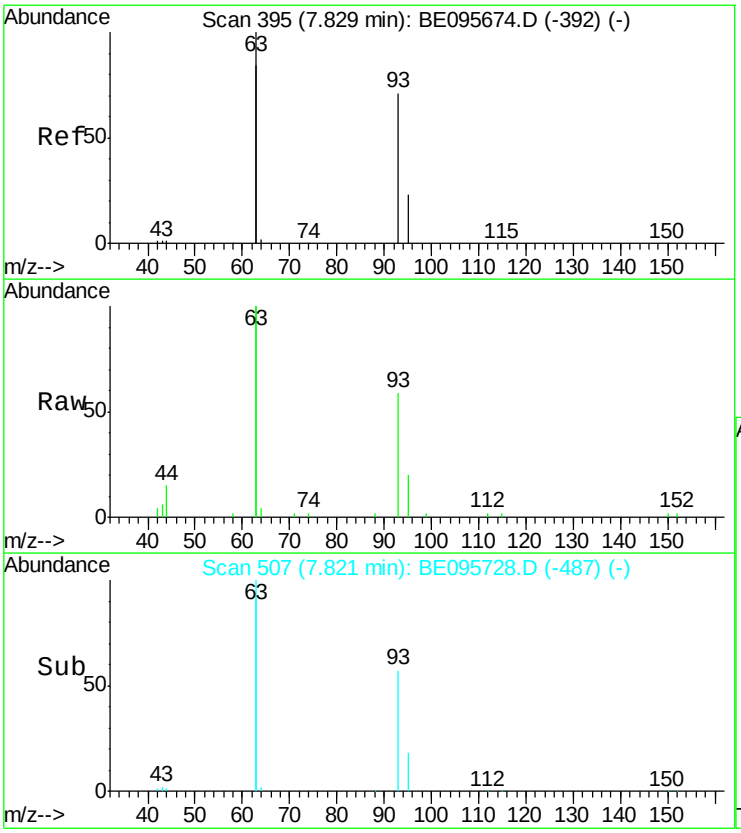
#5
Phenol-d6
Concen: 0.421 ng
RT: 7.56 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion: 99 Resp: 2546

Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.2	30.2
71	41.4	28.4	42.6

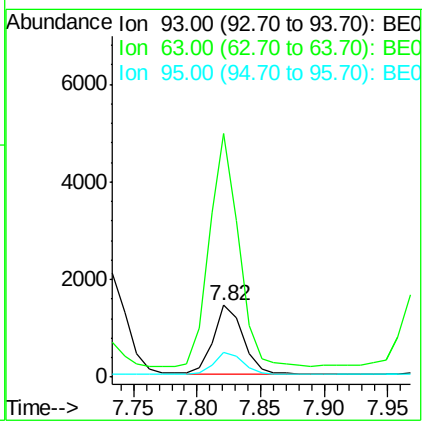


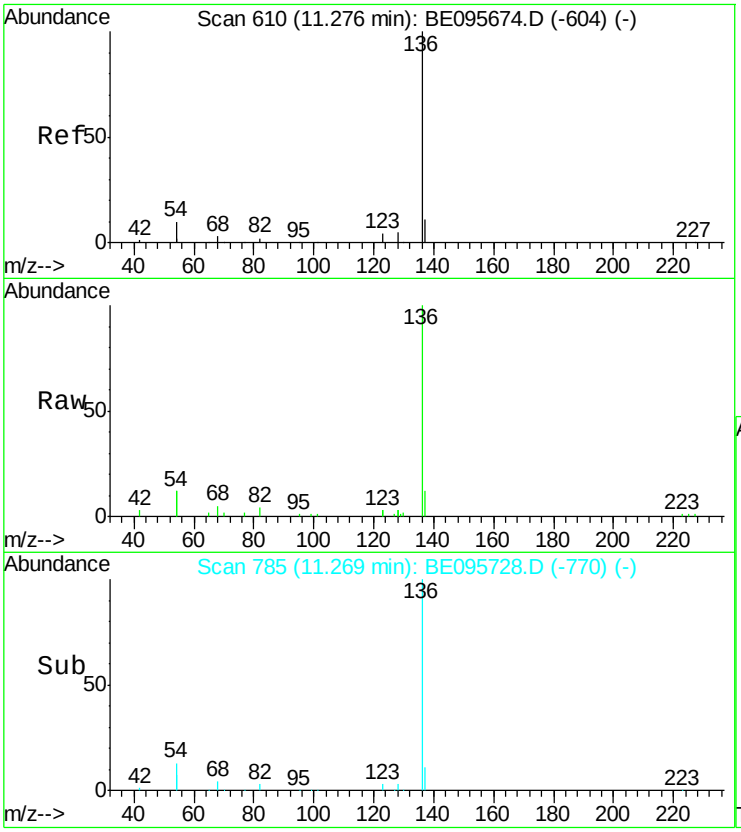


#6
bis(2-Chloroethyl)ether
Concen: 0.374 ng
RT: 7.82 min Scan# 507
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion: 93 Resp: 2322

Ion	Ratio	Lower	Upper
93	100		
63	327.0	275.3	412.9
95	32.4	25.2	37.8



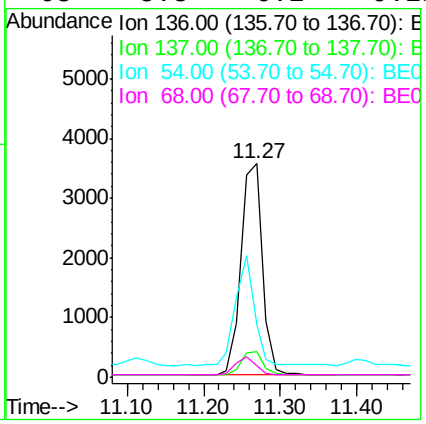


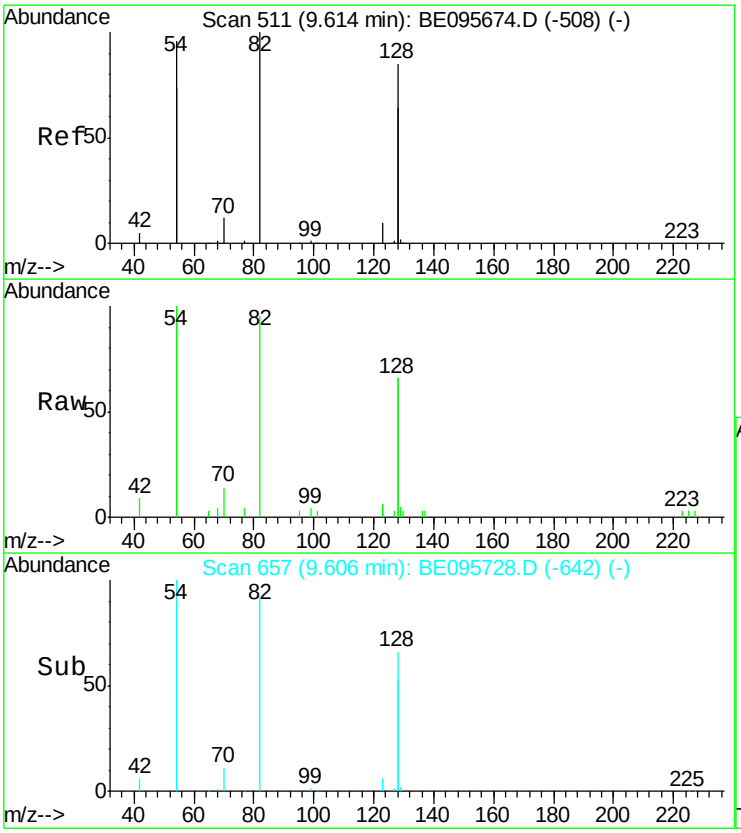
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.27 min Scan# 785
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:136 Resp: 6880

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	24.8	29.1	43.7#
68	5.3	6.2	9.2#

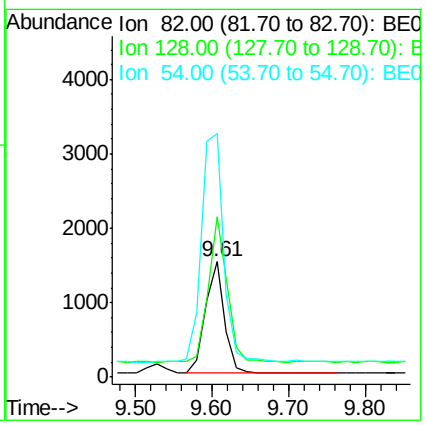


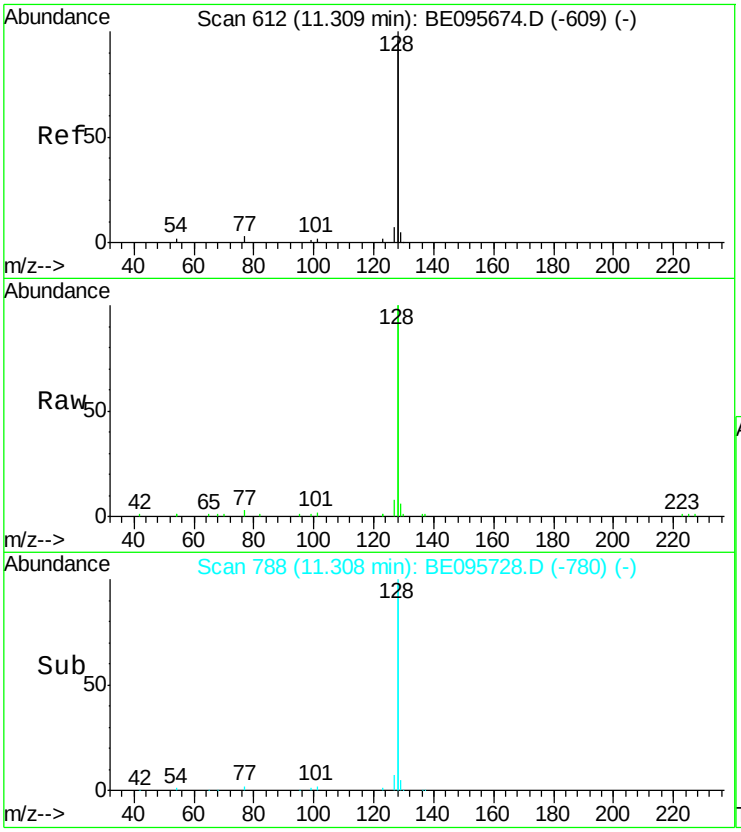


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 9.61 min Scan# 657
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion: 82 Resp: 2616

Ion	Ratio	Lower	Upper
82	100		
128	139.2	150.0	225.0#
54	210.7	154.2	231.4



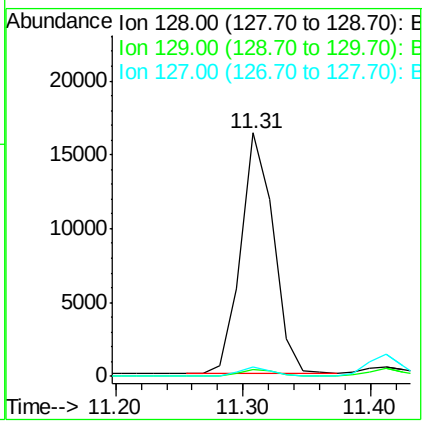


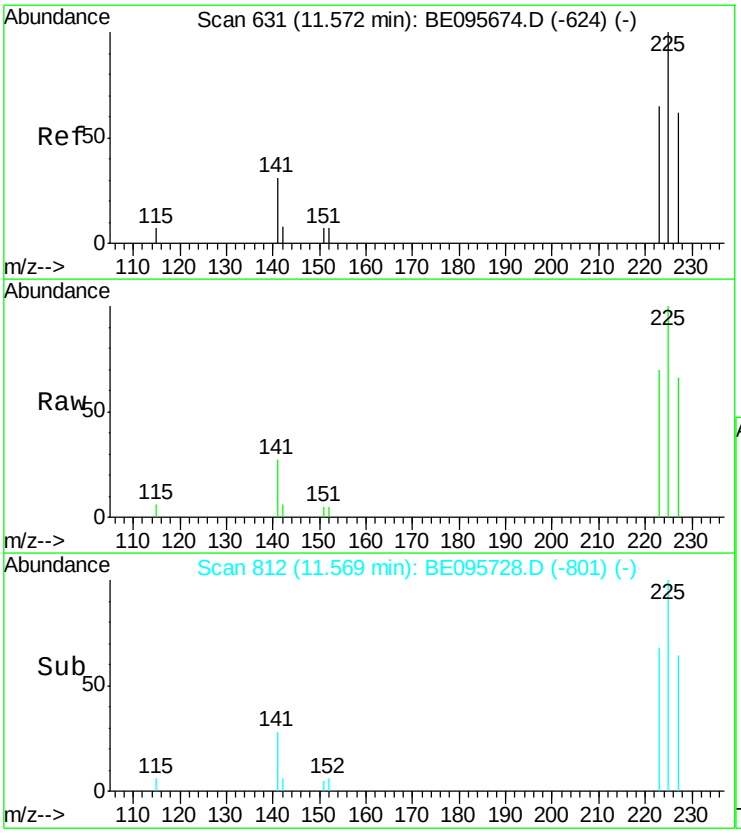
#9
Naphthalene
Concen: 0.364 ng
RT: 11.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:128 Resp: 28836

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

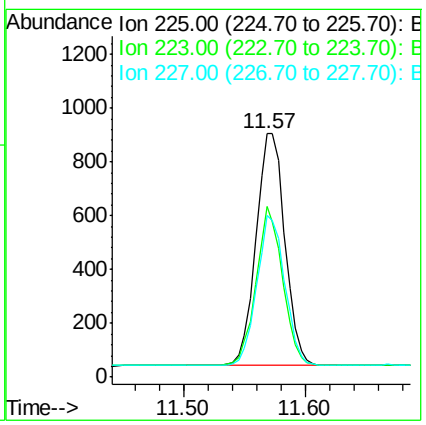


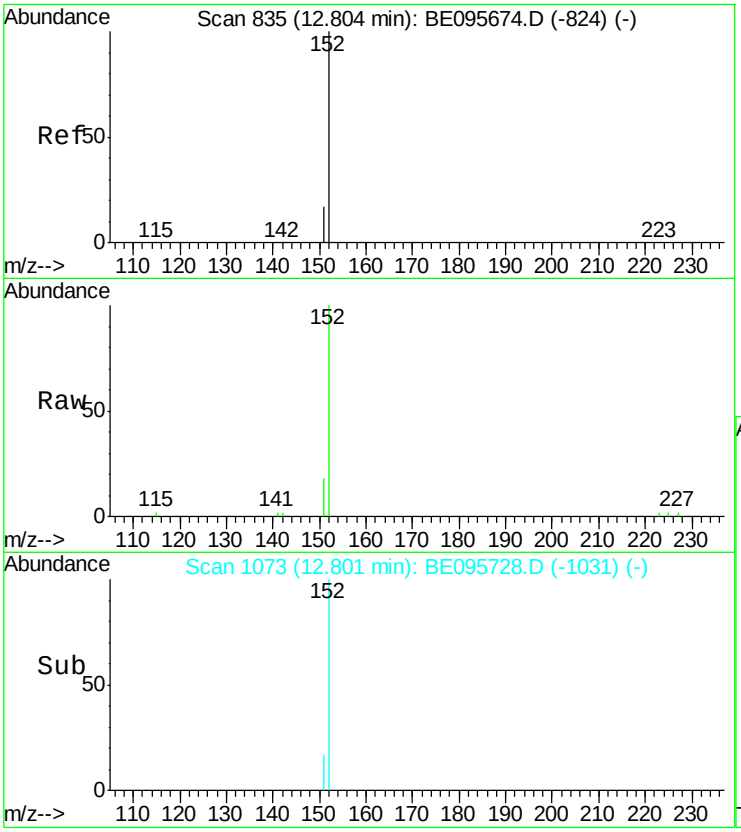


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:225 Resp: 1775

Ion	Ratio	Lower	Upper
225	100		
223	63.7	53.0	79.6
227	67.5	51.4	77.2



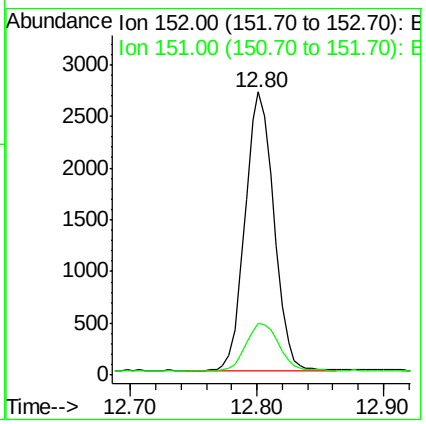


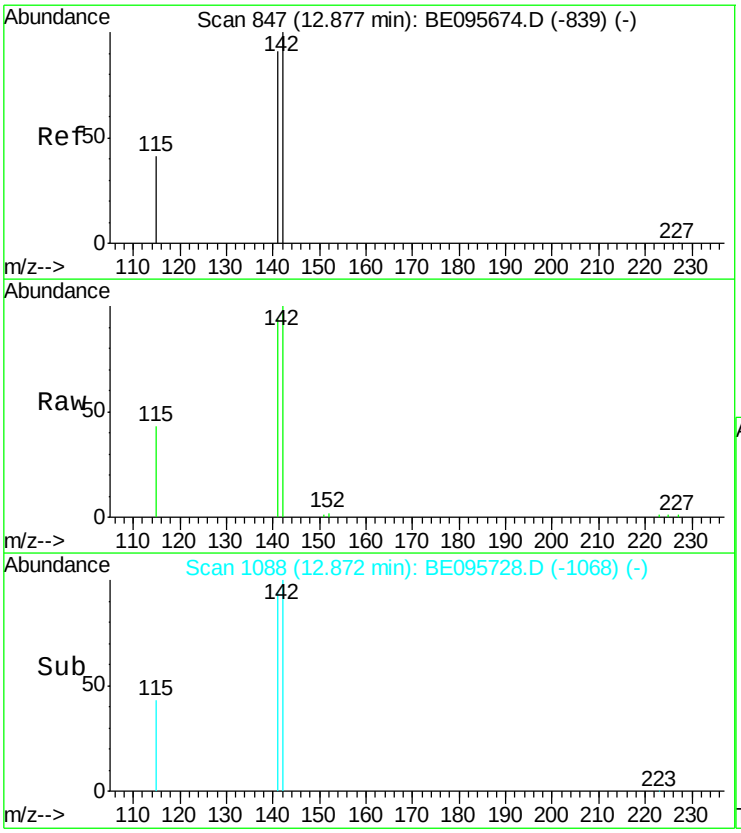
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:152 Resp: 4236

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

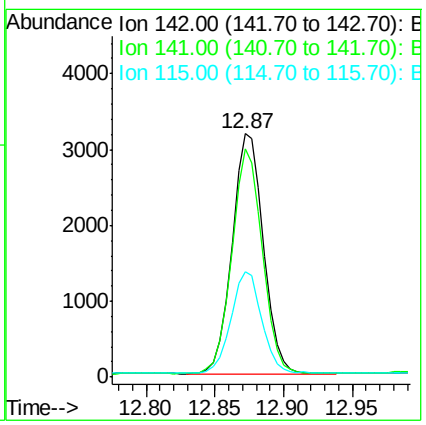


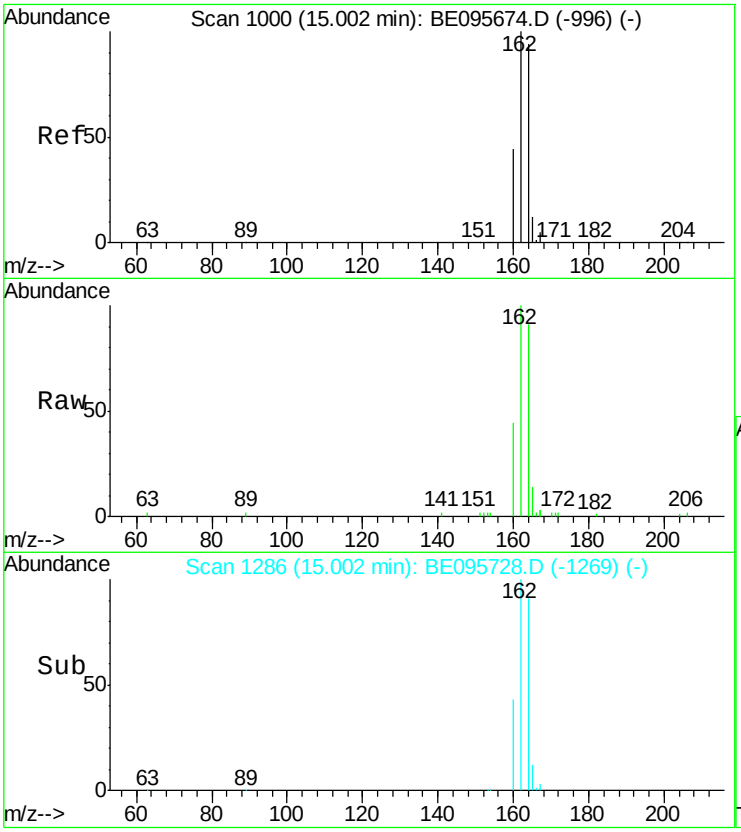


#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.87 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:142 Resp: 5028

Ion	Ratio	Lower	Upper
142	100		
141	93.6	70.4	105.6
115	43.5	31.7	47.5



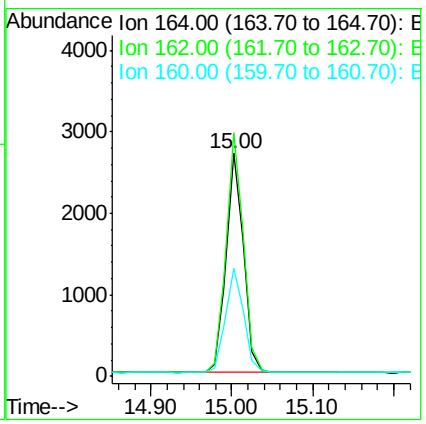


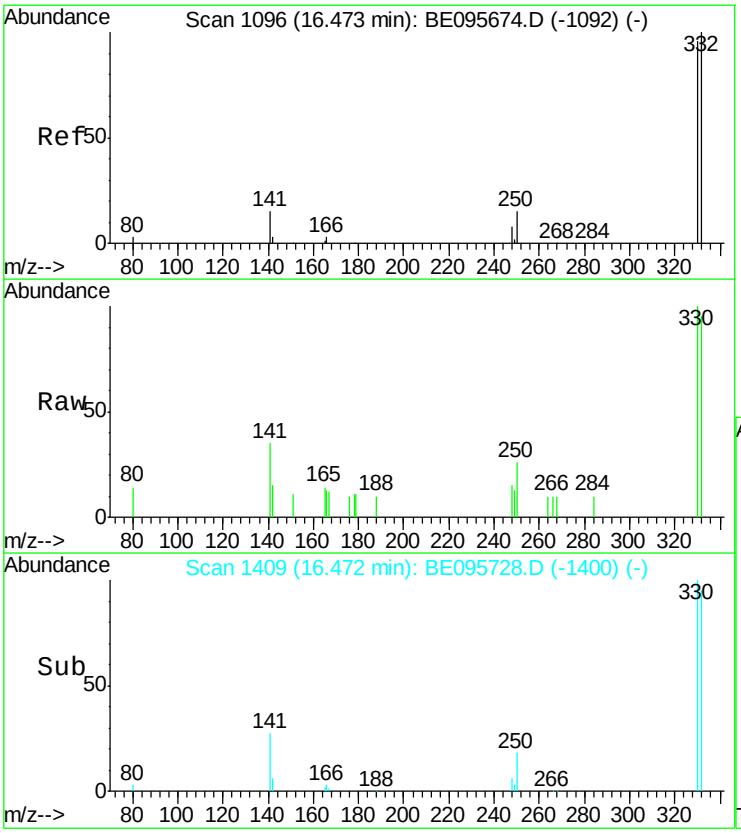
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:164 Resp: 3986

Ion	Ratio	Lower	Upper
164	100		
162	109.4	83.1	124.7
160	48.4	37.1	55.7

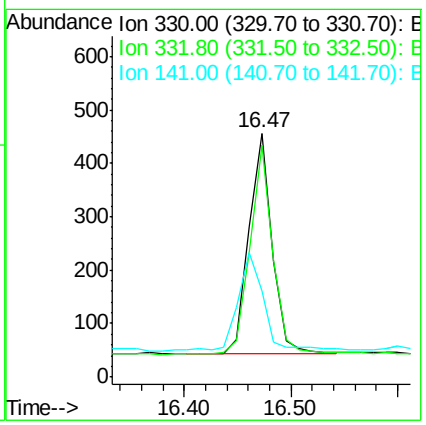


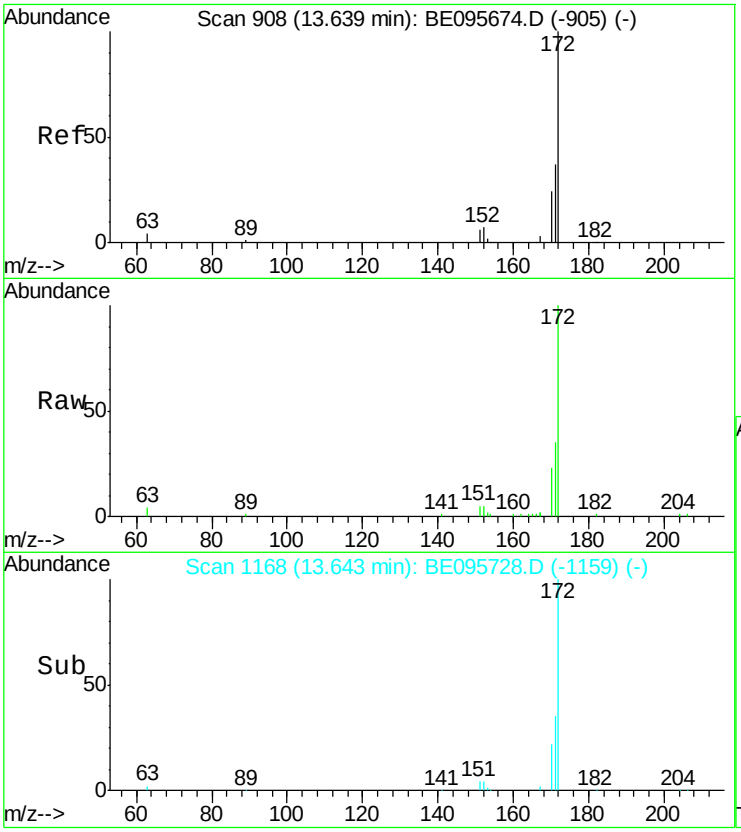


#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 16.47 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:330 Resp: 621

Ion	Ratio	Lower	Upper
330	100		
332	93.1	152.7	229.1#
141	47.0	33.7	50.5



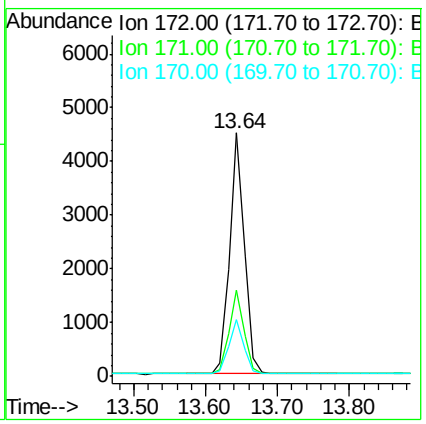


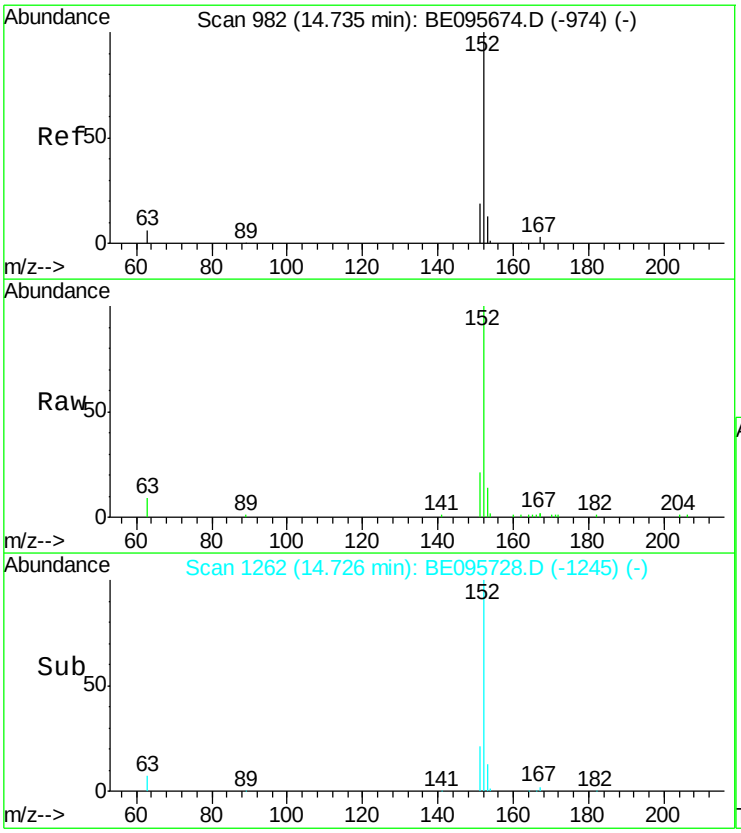
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:172 Resp: 6343

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.9	44.9
170	23.1	21.8	32.8

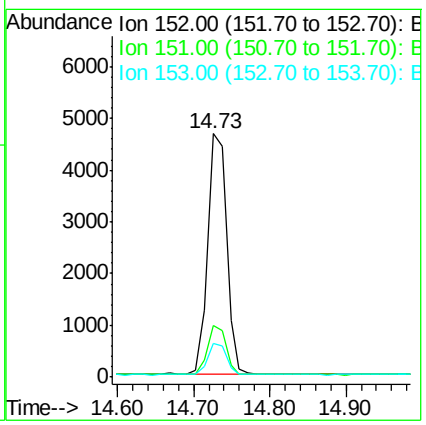


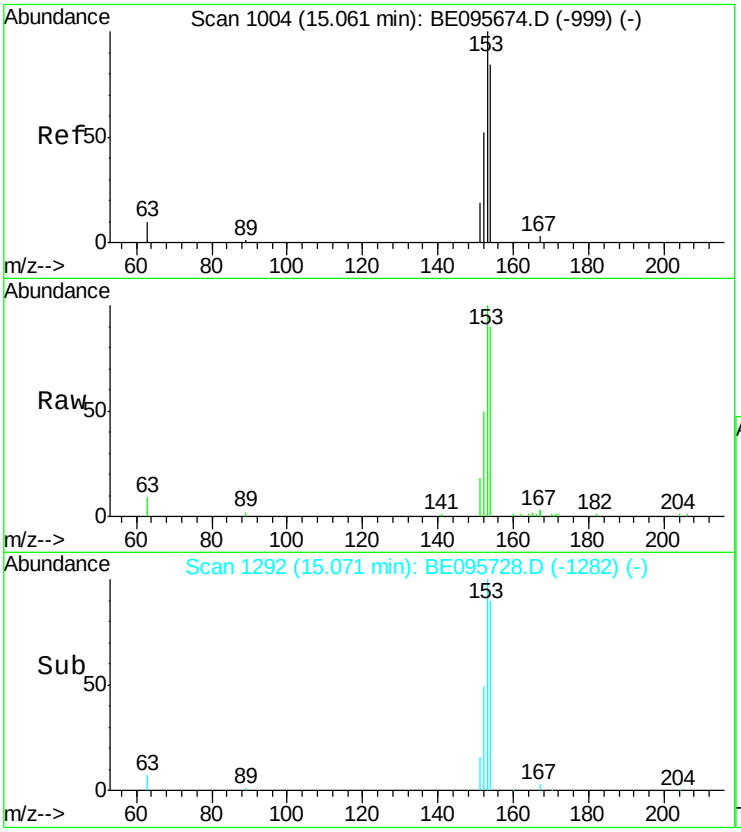


#16
Acenaphthylene
Concen: 0.359 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:152 Resp: 8032

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.0	10.5	15.7



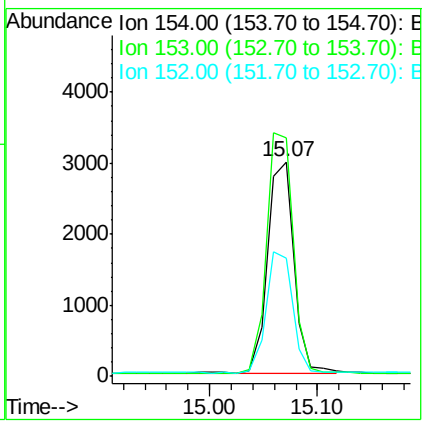


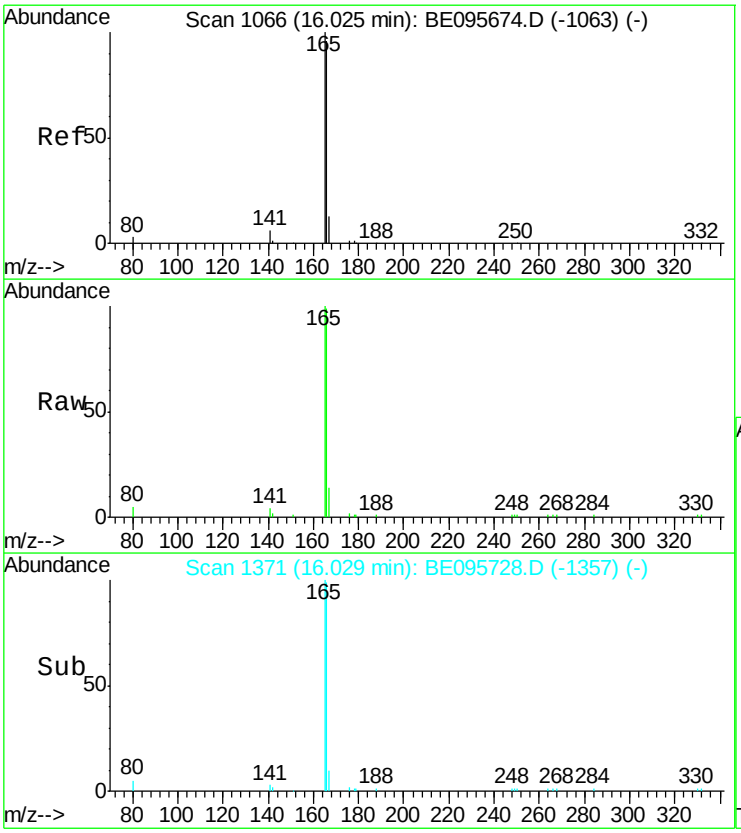
#17
Acenaphthene
Concen: 0.359 ng
RT: 15.07 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:154 Resp: 5054

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.2	133.8
152	57.5	42.0	63.0

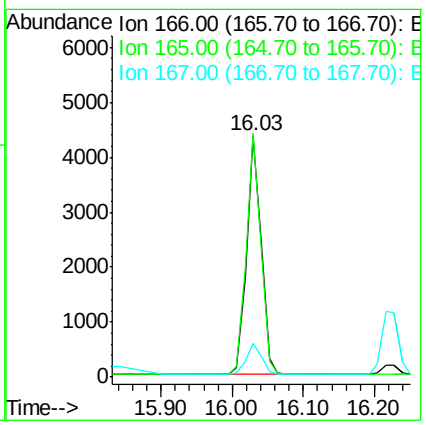


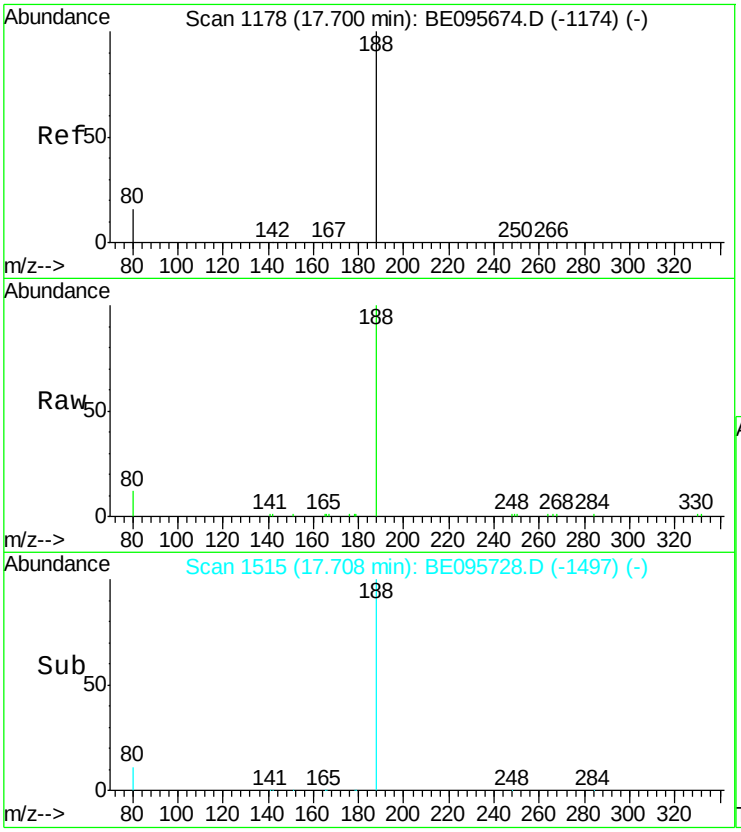


#18
Fluorene
Concen: 0.353 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:166 Resp: 6156

Ion	Ratio	Lower	Upper
166	100		
165	101.6	77.8	116.6
167	13.8	42.4	63.6#



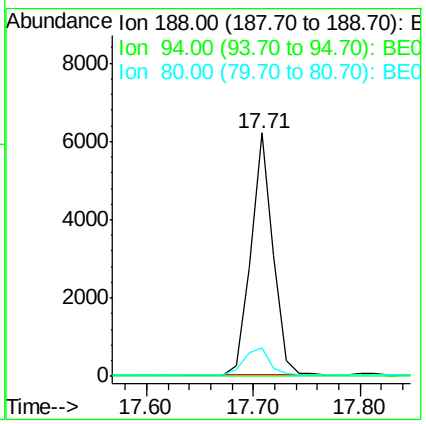


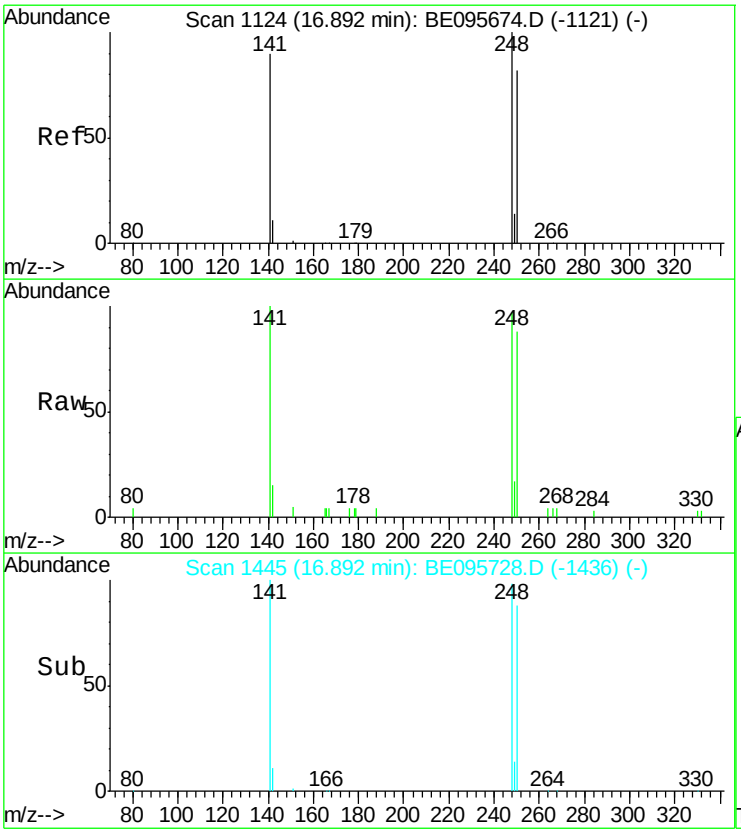
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:188 Resp: 8765

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.8	3.6	5.4#

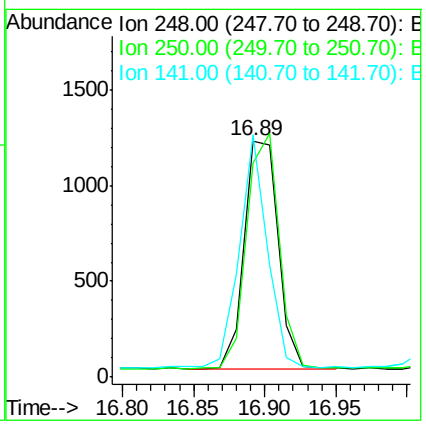


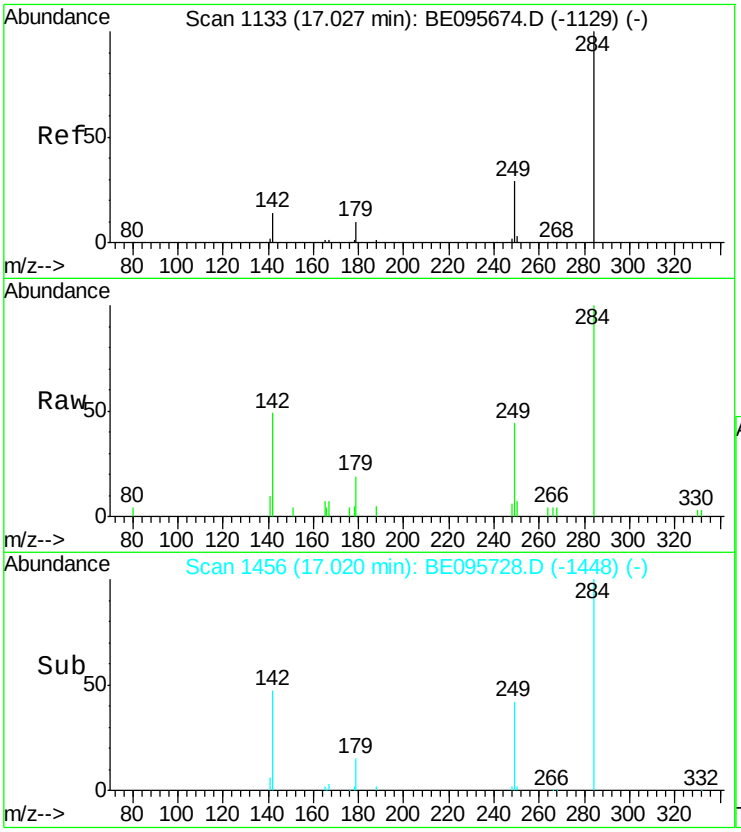


#20
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:248 Resp: 1967

Ion	Ratio	Lower	Upper
248	100		
250	90.8	62.7	94.1
141	102.7	48.2	72.2#



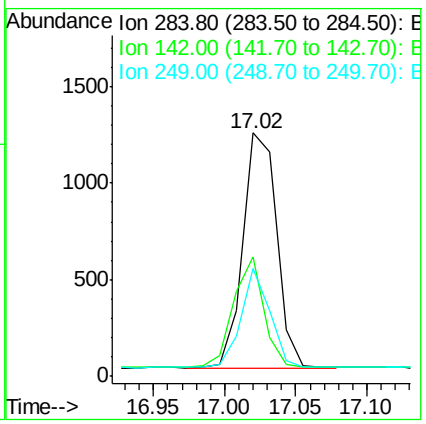


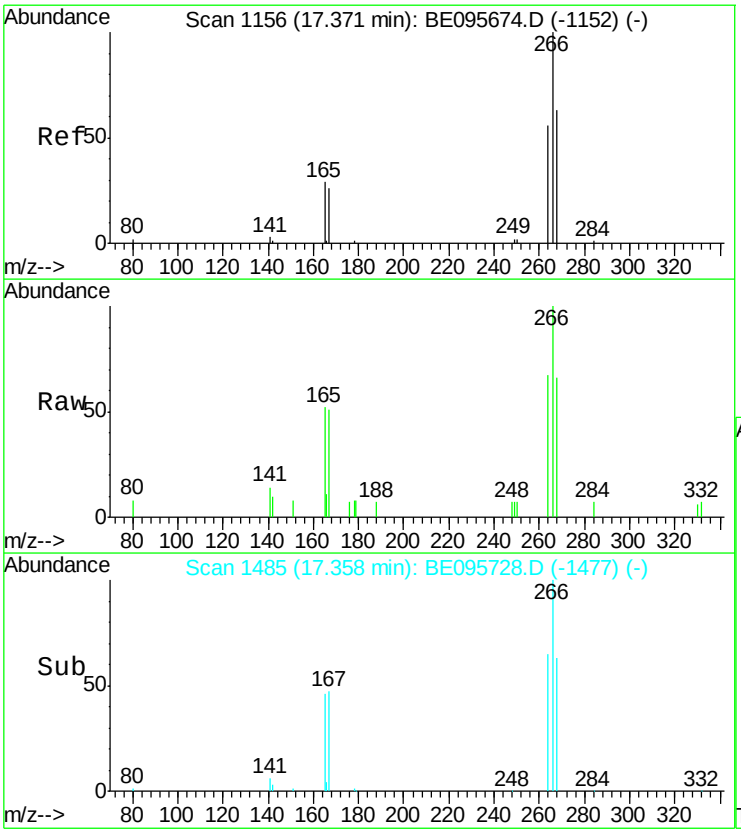
#21
Hexachlorobenzene
Concen: 0.350 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:284 Resp: 1992

Ion	Ratio	Lower	Upper
284	100		
142	42.0	22.1	33.1#
249	36.2	34.8	52.2

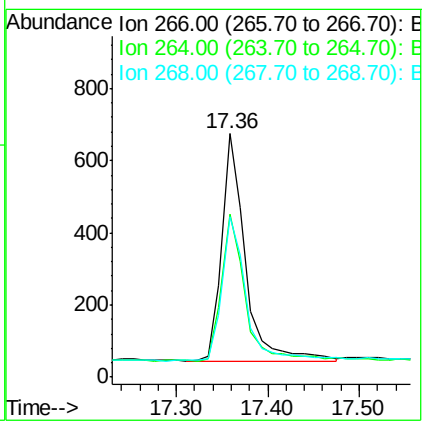


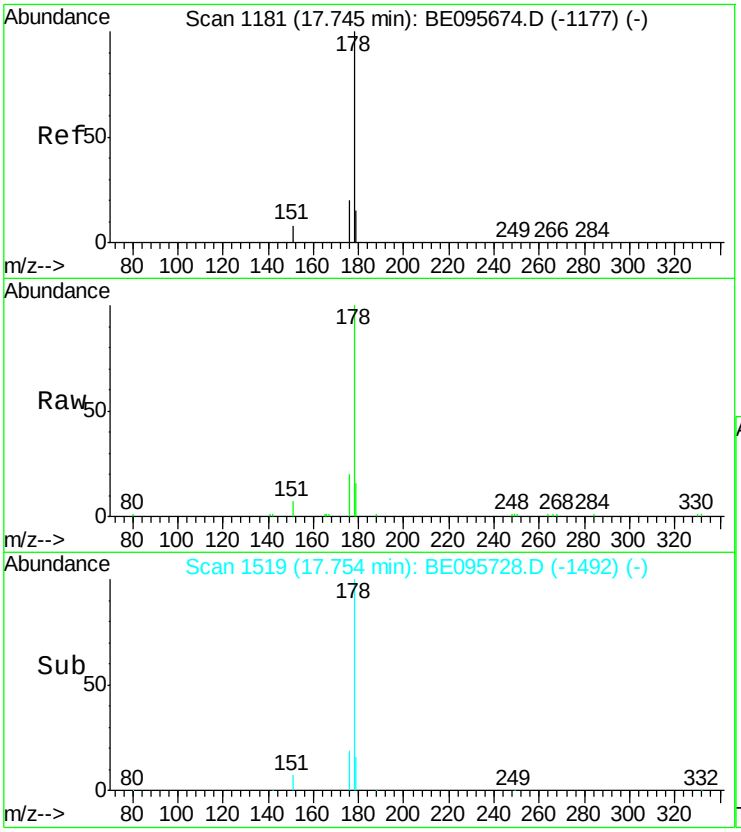


#22
Pentachlorophenol
Concen: 0.717 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:266 Resp: 1127

Ion	Ratio	Lower	Upper
266	100		
264	66.8	72.5	108.7#
268	65.9	73.8	110.6#



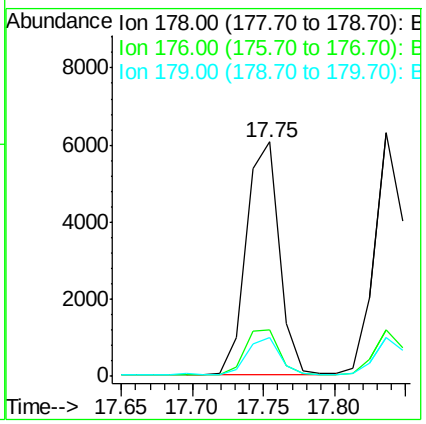


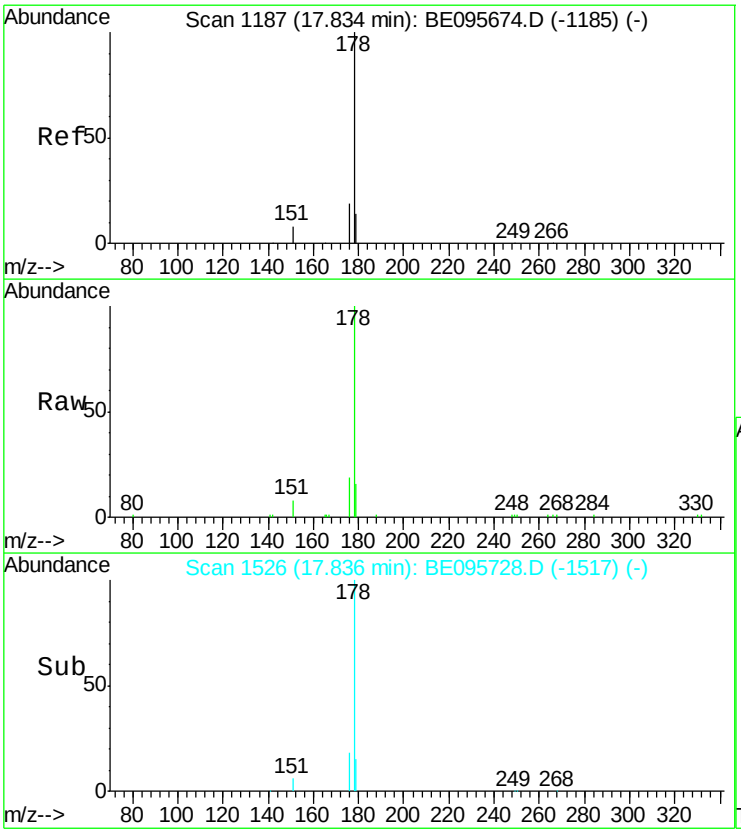
#23
Phenanthrene
Concen: 0.354 ng
RT: 17.75 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:178 Resp: 9701

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.0	11.8	17.6

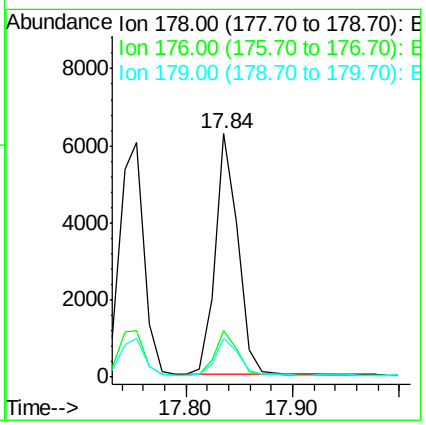


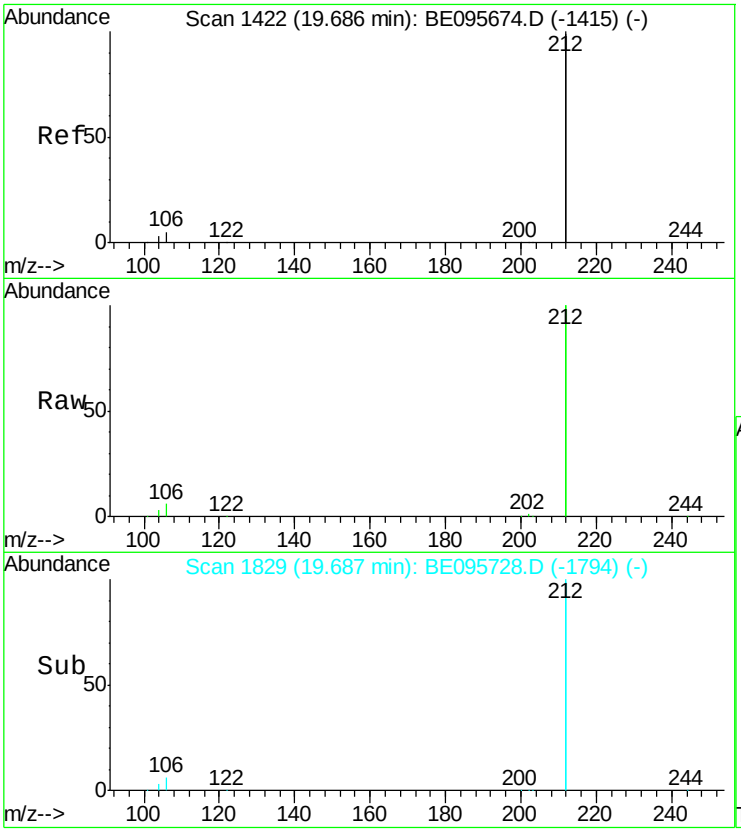


#24
Anthracene
Concen: 0.366 ng
RT: 17.84 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:178 Resp: 9199

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.4	13.0	19.6



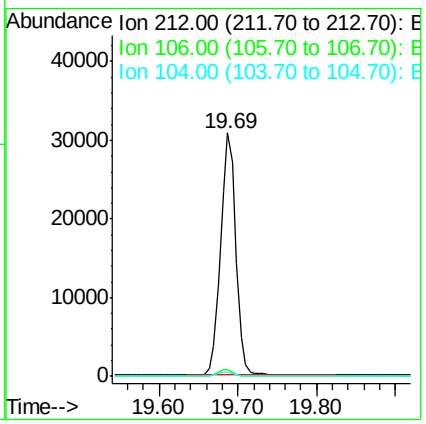


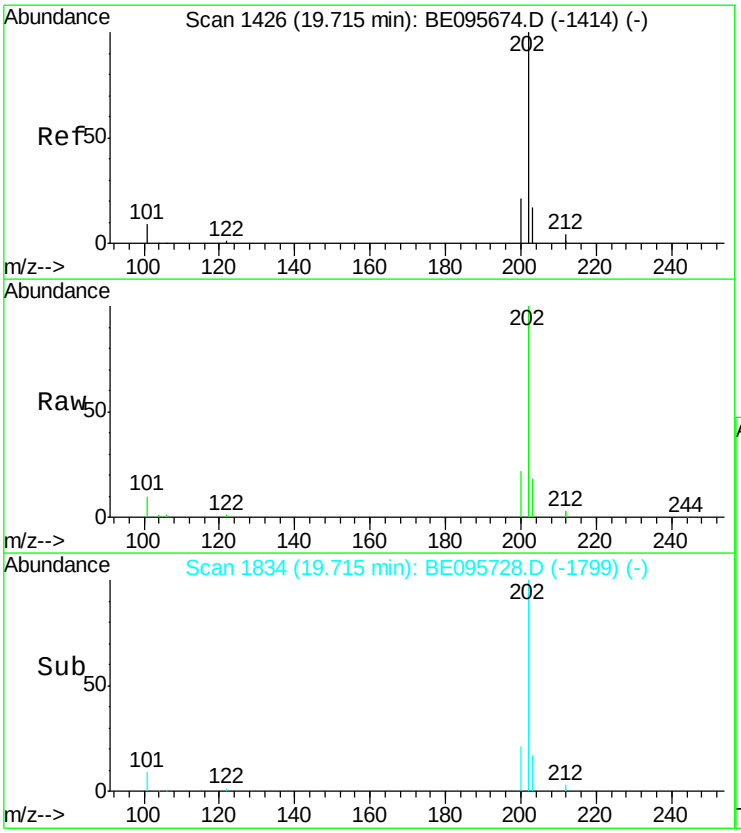
#25
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.69 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:212 Resp: 40990

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

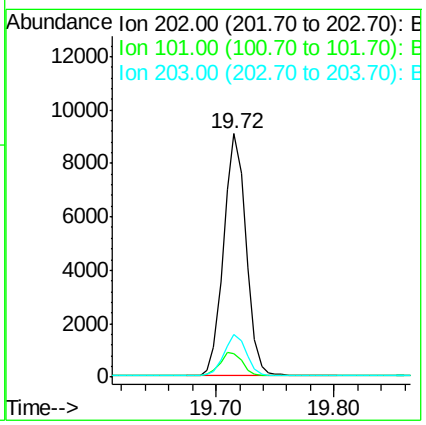


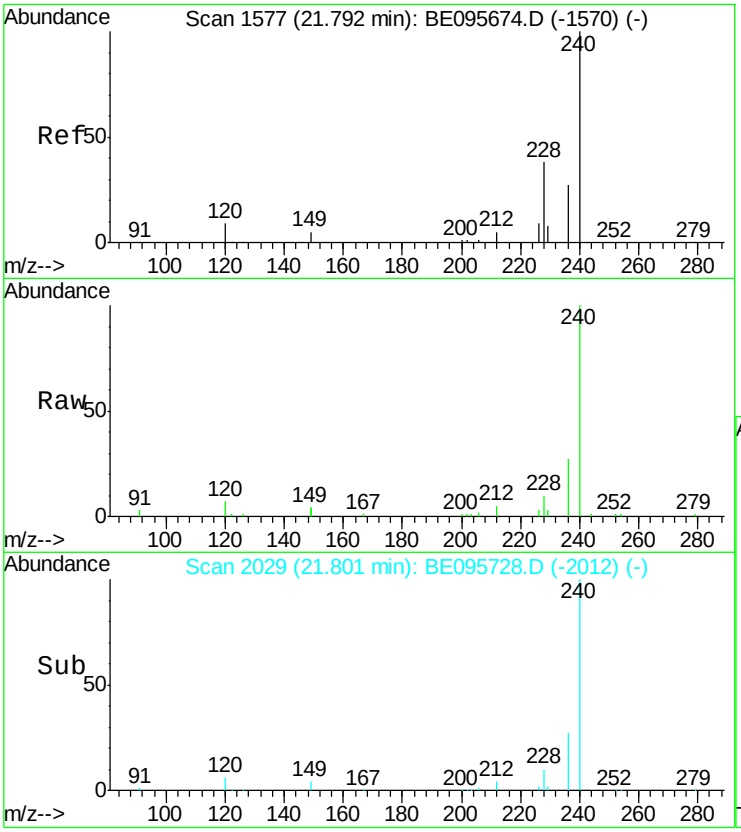


#26
Fluoranthene
Concen: 0.352 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:202 Resp: 11860

Ion	Ratio	Lower	Upper
202	100		
101	10.1	9.8	14.8
203	17.0	13.7	20.5



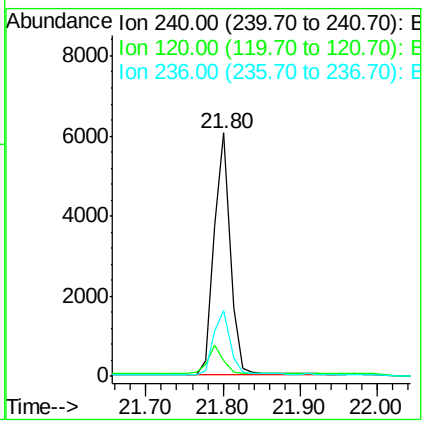


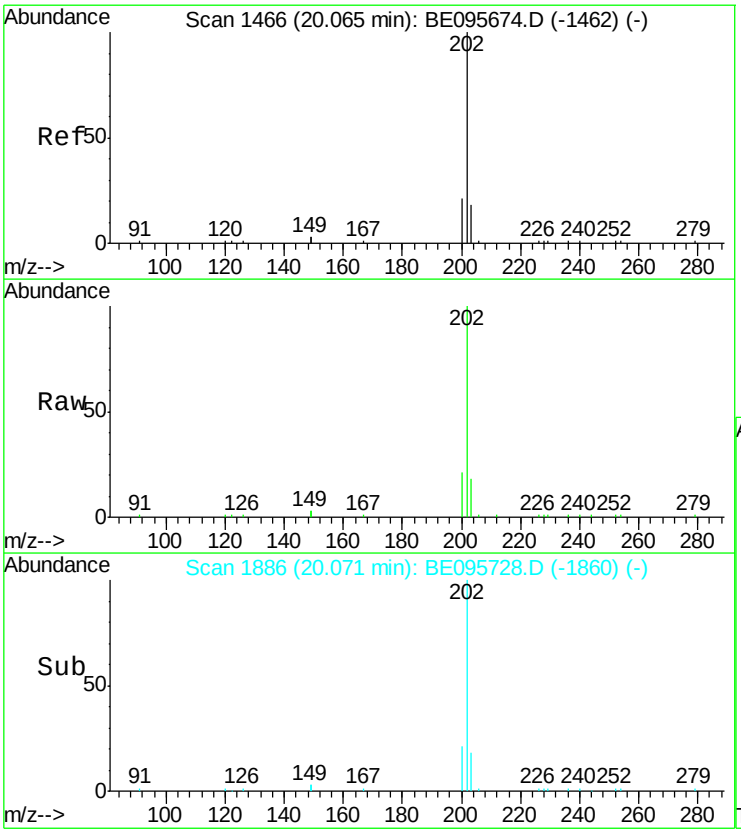
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:240 Resp: 8776

Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.5	8.3
236	27.1	20.7	31.1

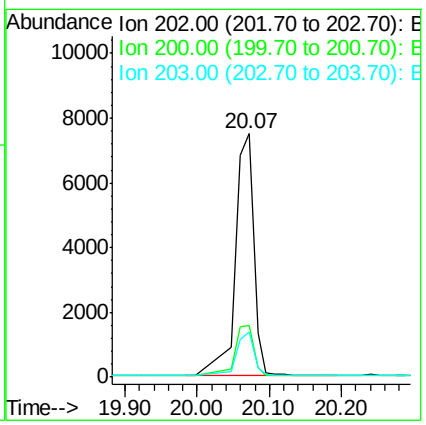


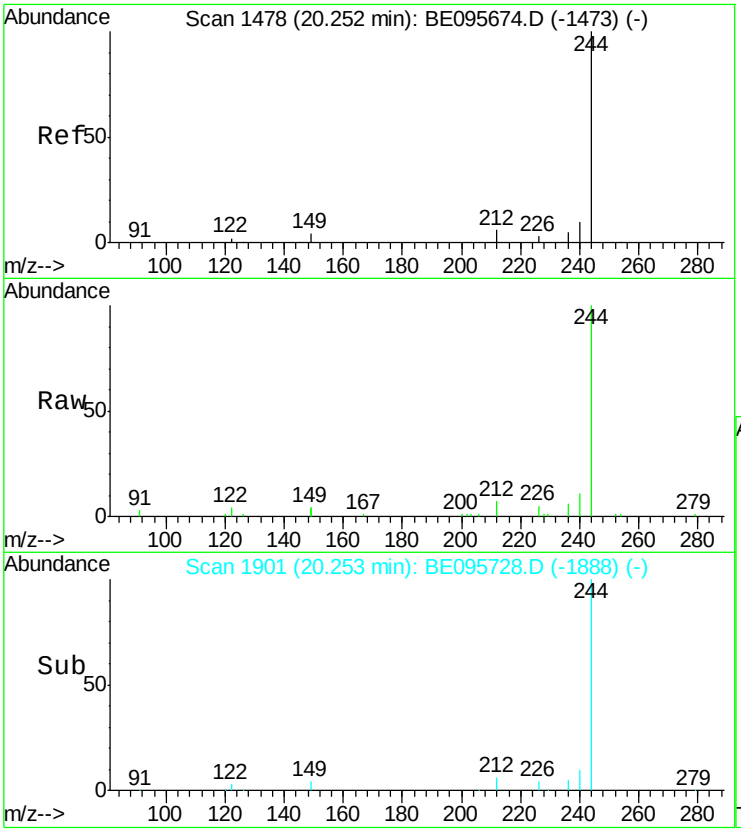


#28
Pyrene
Concen: 0.386 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:202 Resp: 13857

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	18.9	13.8	20.8



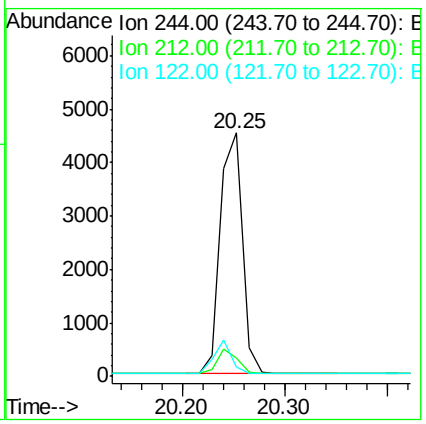


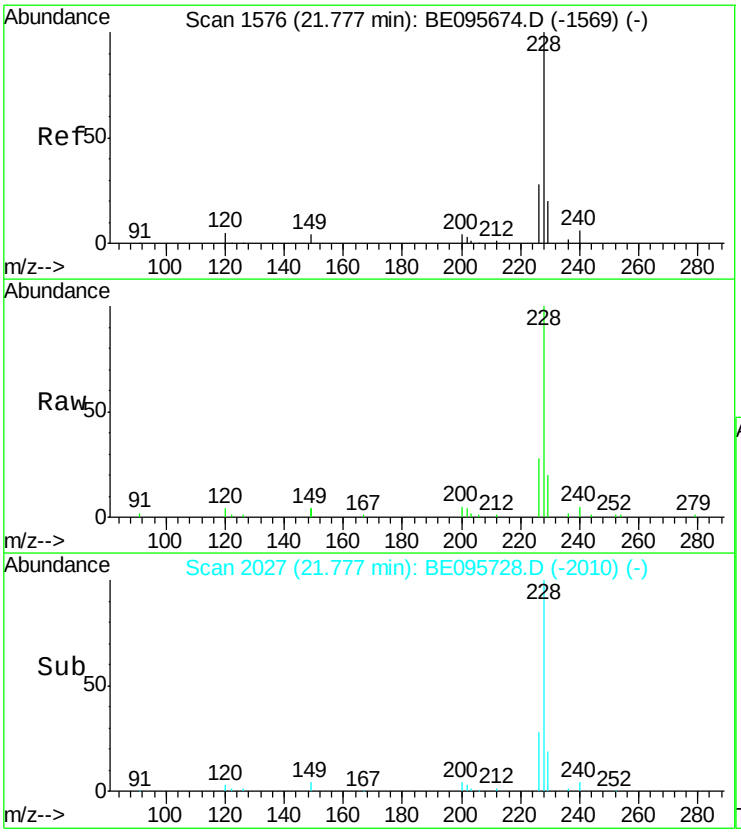
#29
Terphenyl-d14
Concen: 0.386 ng
RT: 20.25 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:244 Resp: 6748

Ion	Ratio	Lower	Upper
244	100		
212	7.4	25.4	38.0#
122	3.9	8.1	12.1#

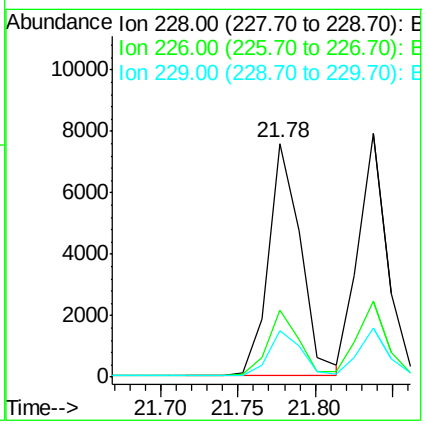


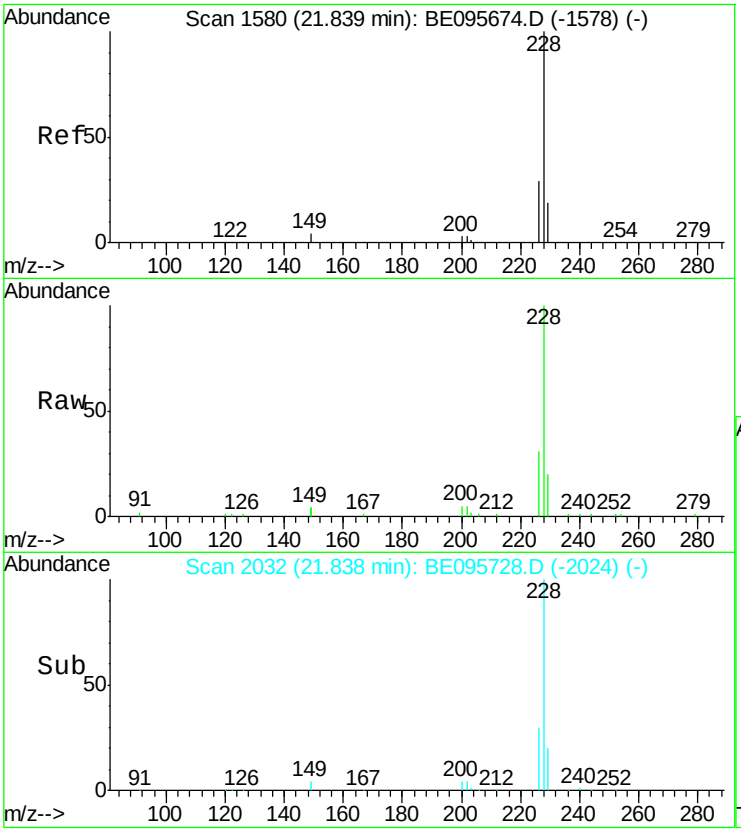


#30
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:228 Resp: 10998

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	19.9	16.0	24.0



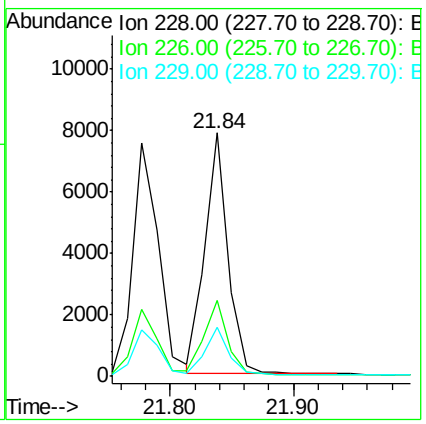


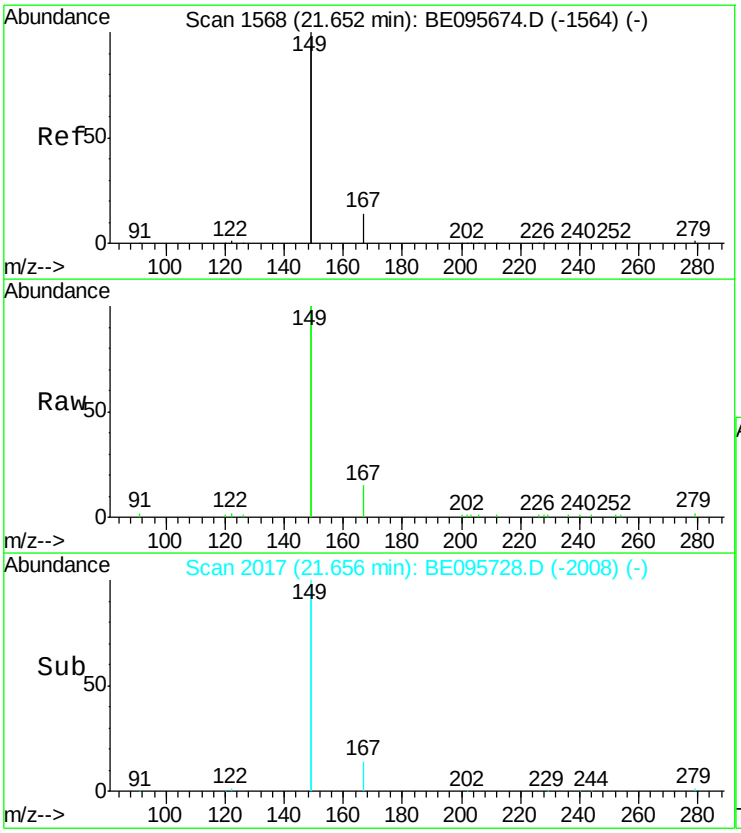
#31
Chrysene
Concen: 0.361 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:228 Resp: 10285

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	20.4	16.0	24.0

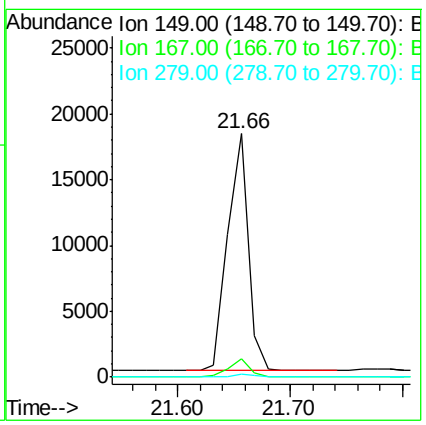


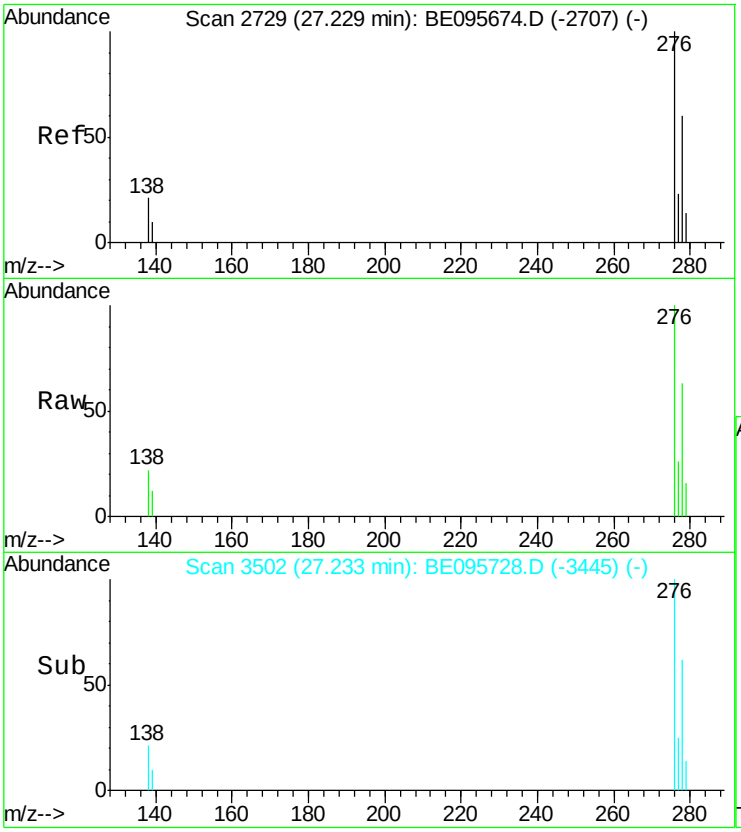


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.459 ng
RT: 21.66 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:149 Resp: 23242

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



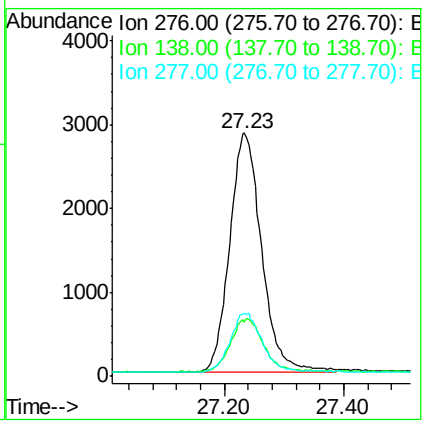


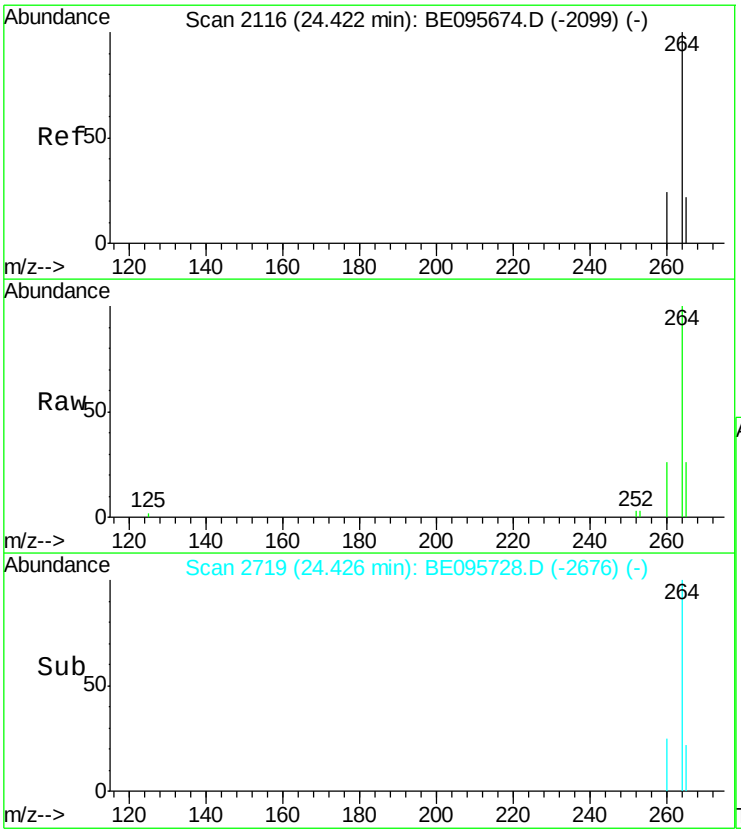
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng
RT: 27.23 min Scan# 3502
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:276 Resp: 10628

Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.5	33.7#
277	24.1	19.9	29.9

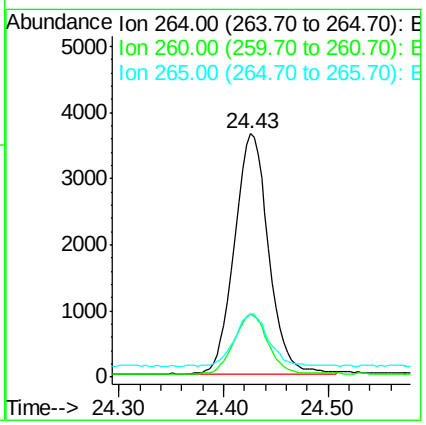


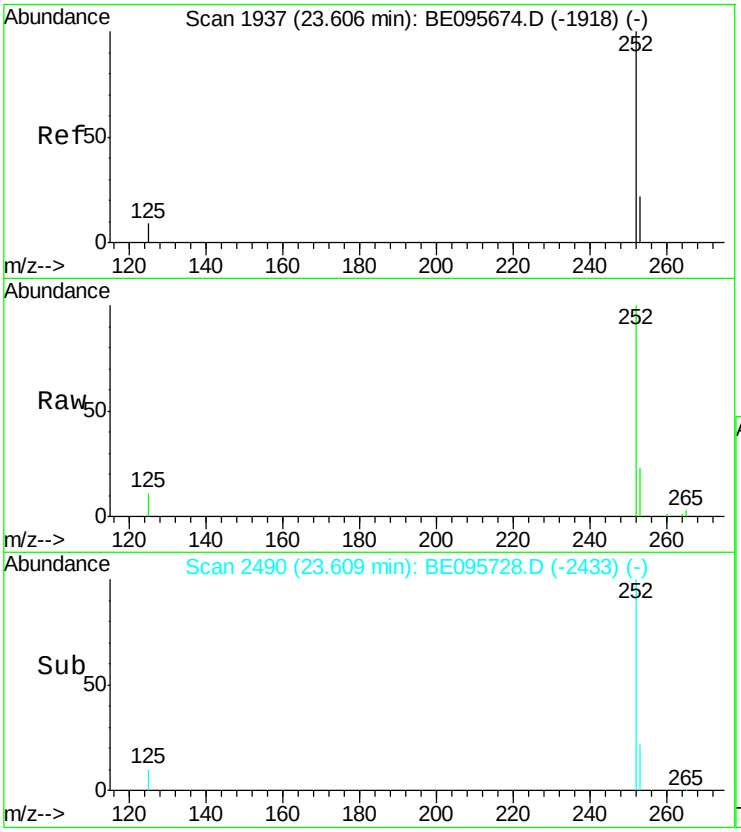


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:264 Resp: 8166

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	25.8	22.8	34.2



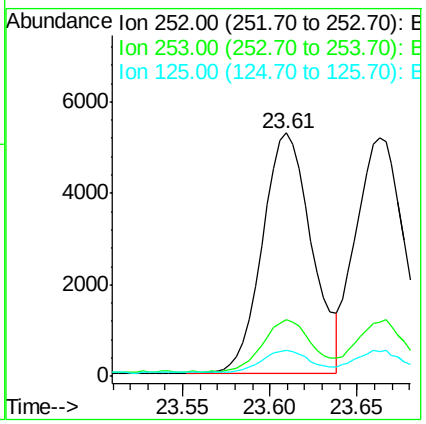


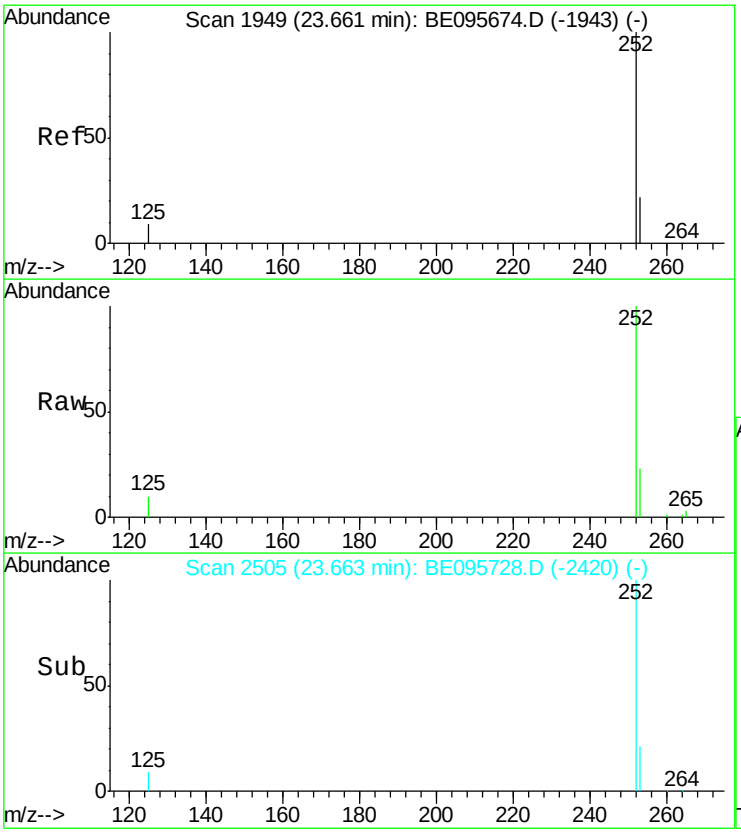
#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:252 Resp: 10298

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	10.9	16.0	24.0#

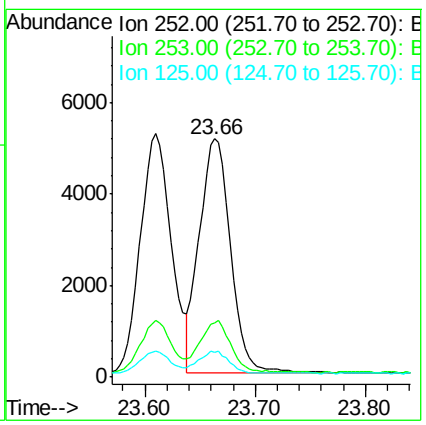


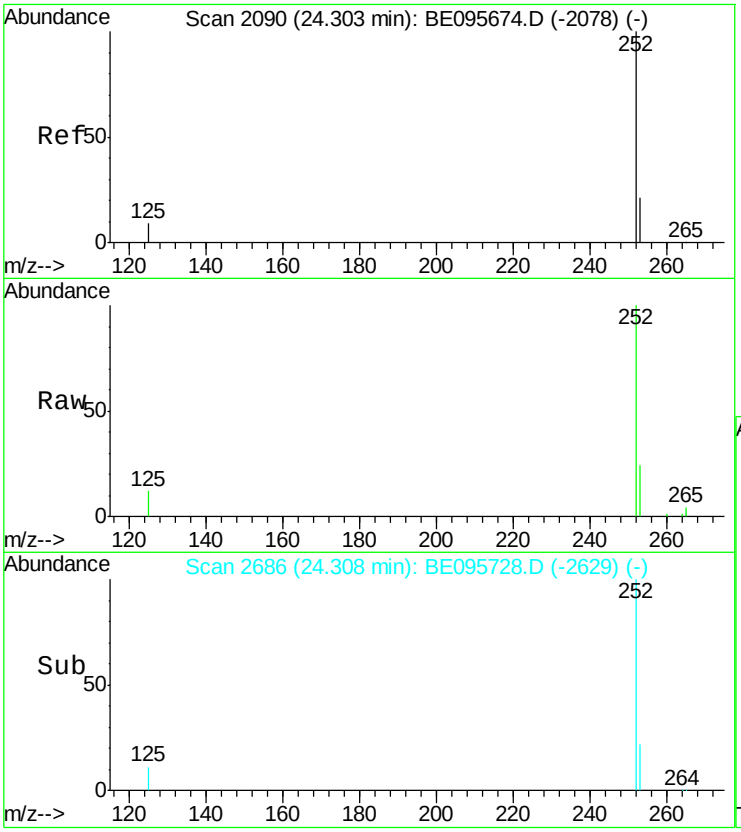


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 23.66 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:252 Resp: 10124

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	10.3	8.0	12.0



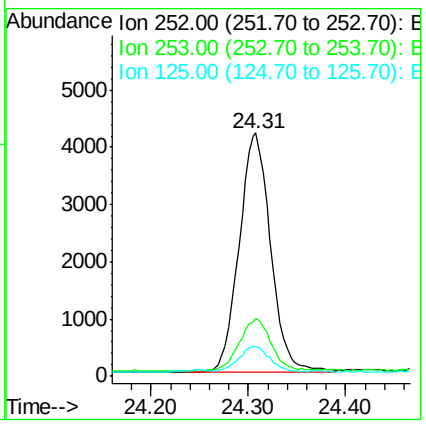


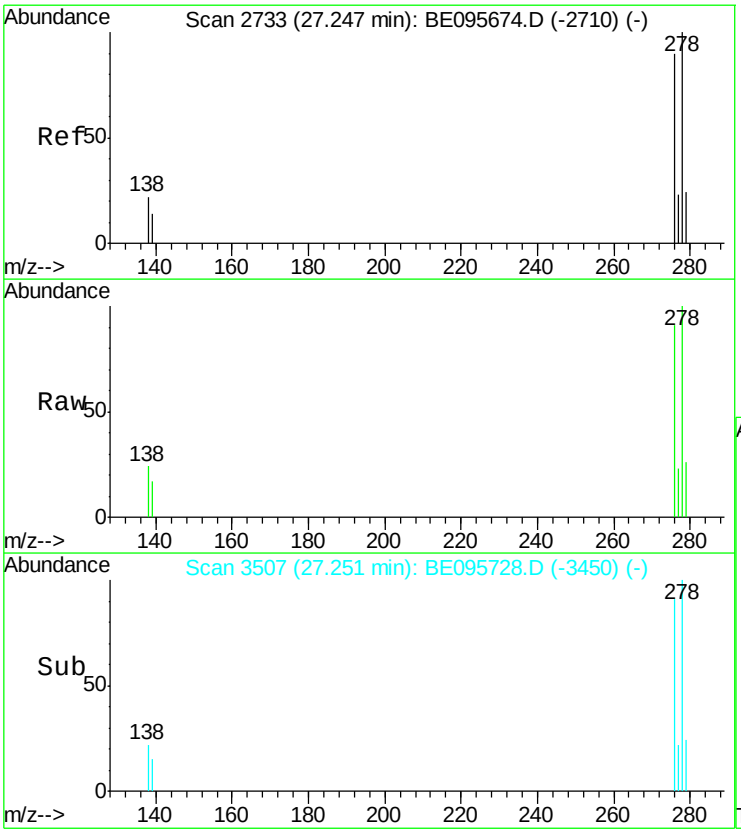
#37
Benzo(a)pyrene
Concen: 0.357 ng
RT: 24.31 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:252 Resp: 9348

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	12.4	12.0	18.0

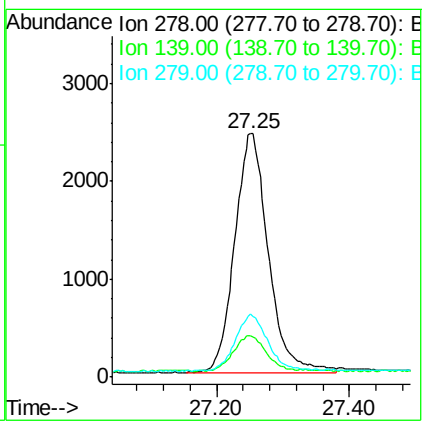


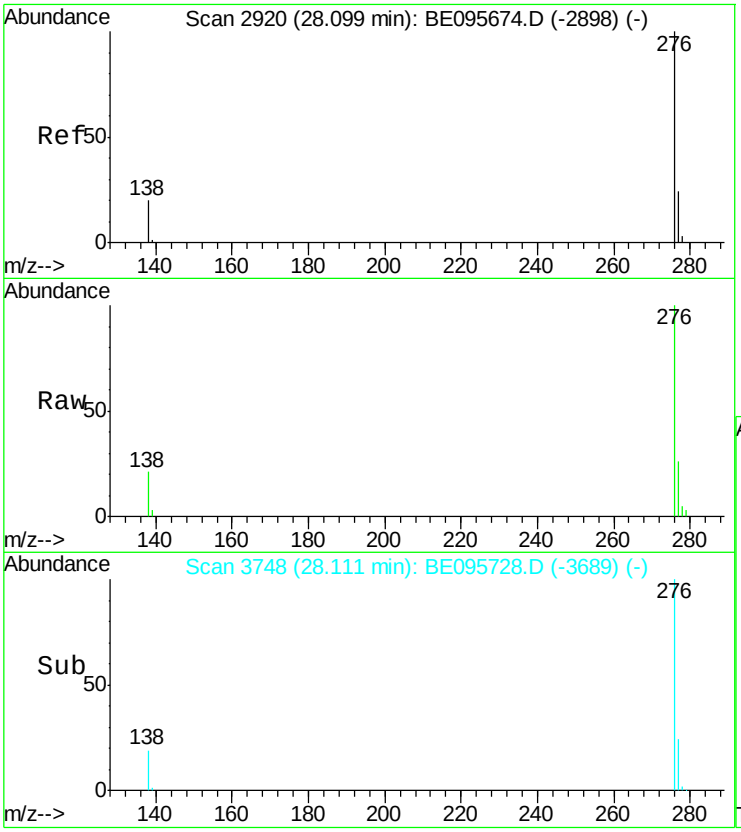


#38
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 27.25 min Scan# 3507
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:278 Resp: 8586

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	25.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 28.11 min Scan# 3748
Delta R.T. 0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :
PB107231BS

Tgt Ion:276 Resp: 8866

Ion	Ratio	Lower	Upper
276	100		
277	25.9	16.0	24.0#
138	21.4	20.0	30.0