Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE122217\
Data File : BE095042.D
Acq On : 22 Dec 2017 12:54
Operator : SJ/JU
Sample : PB105289BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB105289BSD

Quant Time: Dec 22 17:39:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6843	0.40	ng		0.00
7) Naphthalene-d8	11.31	136	14740	0.40	ng		-0.02
13) Acenaphthene-d10	15.04	164	7157	0.40	ng		-0.02
19) Phenanthrene-d10	17.74	188	15848	0.40	ng		-0.03
27) Chrysene-d12	21.84	240	17530	0.40	ng		-0.03
34) Perylene-d12	24.49	264	15741	0.40	ng		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	5.94	112	2942	0.28	ng		0.00
5) Phenol-d6	7.58	99	4122	0.26	ng		0.00
8) Nitrobenzene-d5	9.63	82	3983	0.33	ng		-0.02
11) 2-Methylnaphthalene-d10	12.84	152	6738	0.28	ng		-0.02
14) 2,4,6-Tribromophenol	16.50	330	417	0.25	ng		-0.03
15) 2-Fluorobiphenyl	13.68	172	10436	0.33	ng		-0.02
25) Fluoranthene-d10	19.72	212	60383	0.29	ng		-0.03
29) Terphenyl-d14	20.28	244	12153	0.37	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	1740	0.258	ng	#	82
3) n-Nitrosodimethylamine	4.02	42	2238	0.281	ng		96
6) bis(2-Chloroethyl)ether	7.86	93	4376	0.284	ng		94
9) Naphthalene	11.36	128	48926	0.283	ng		99
10) Hexachlorobutadiene	11.61	225	2292	0.291	ng		96
12) 2-Methylnaphthalene	12.91	142	11106	0.257	ng		97
16) Acenaphthylene	14.76	152	10317	0.270	ng		100
17) Acenaphthene	15.10	154	7027	0.277	ng		96
18) Fluorene	16.07	166	8683	0.275	ng	#	78
20) 4-Bromophenyl-phenylether	16.94	248	2764	0.298	ng	#	87
21) Hexachlorobenzene	17.06	284	2819	0.297	ng	#	80
22) Pentachlorophenol	17.40	266	1083	0.541	ng	#	71
23) Phenanthrene	17.79	178	14441	0.292	ng		97
24) Anthracene	17.88	178	14985	0.296	ng	#	89
26) Fluoranthene	19.75	202	17877	0.293	ng		98
28) Pyrene	20.10	202	20258	0.341	ng		98
30) Benzo(a)anthracene	21.82	228	16643	0.325	ng	#	61
31) Chrysene	21.89	228	19177	0.333	ng	#	63
32) Bis(2-ethylhexyl)phthalate	21.70	149	17724	0.272	ng		100
33) Indeno(1,2,3-cd)pyrene	27.33	276	16427	0.350	ng		97
35) Benzo(b)fluoranthene	23.67	252	16916	0.293	ng	#	91
36) Benzo(k)fluoranthene	23.73	252	16388	0.280	ng		93
37) Benzo(a)pyrene	24.37	252	15541	0.303	ng		94
38) Dibenzo(a,h)anthracene	27.35	278	12909	0.271	ng		98
39) Benzo(g,h,i)perylene	28.21	276	14307	0.302	ng		95

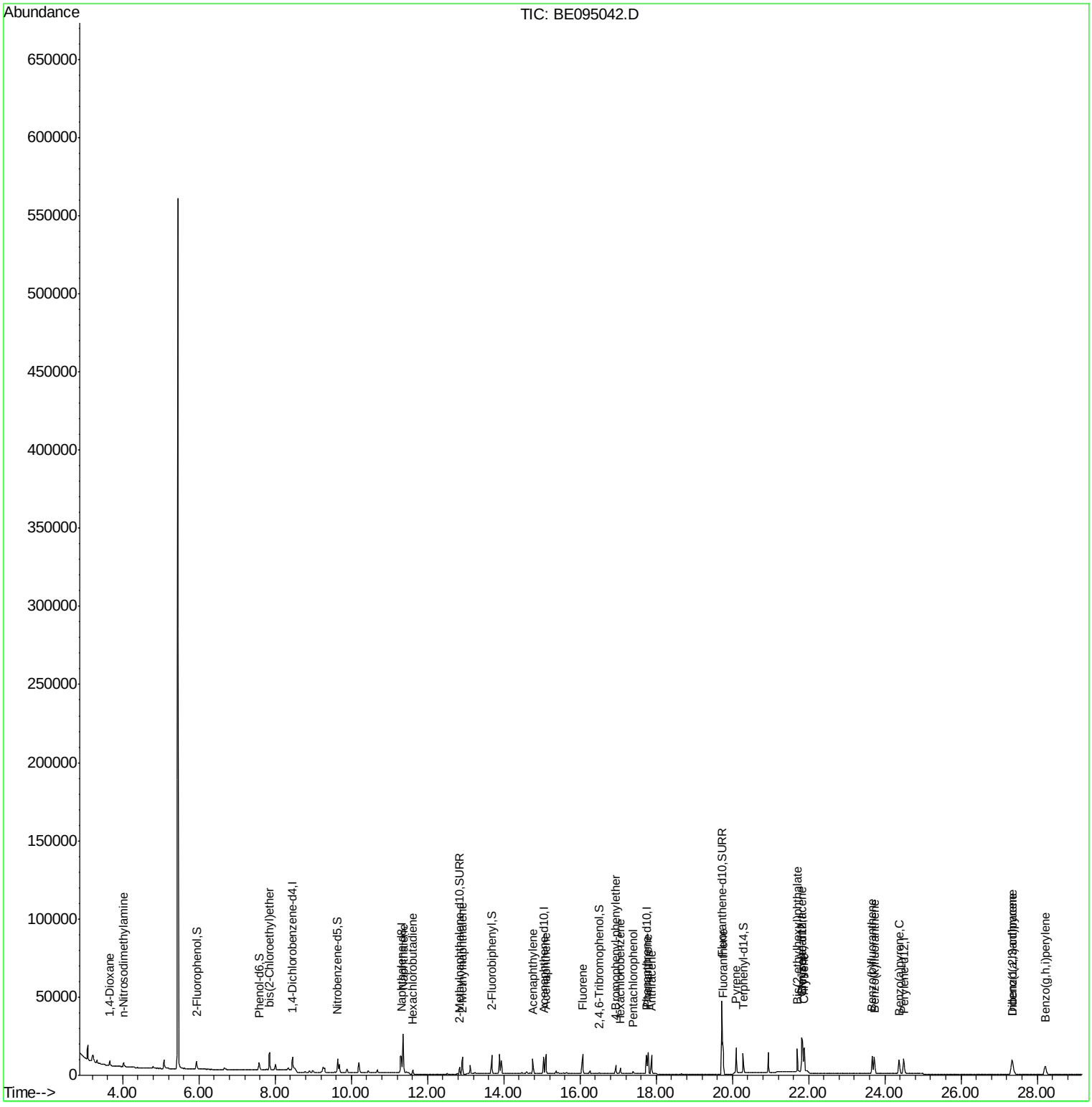
(#) = qualifier out of range (m) = manual integration (+) = signals summed

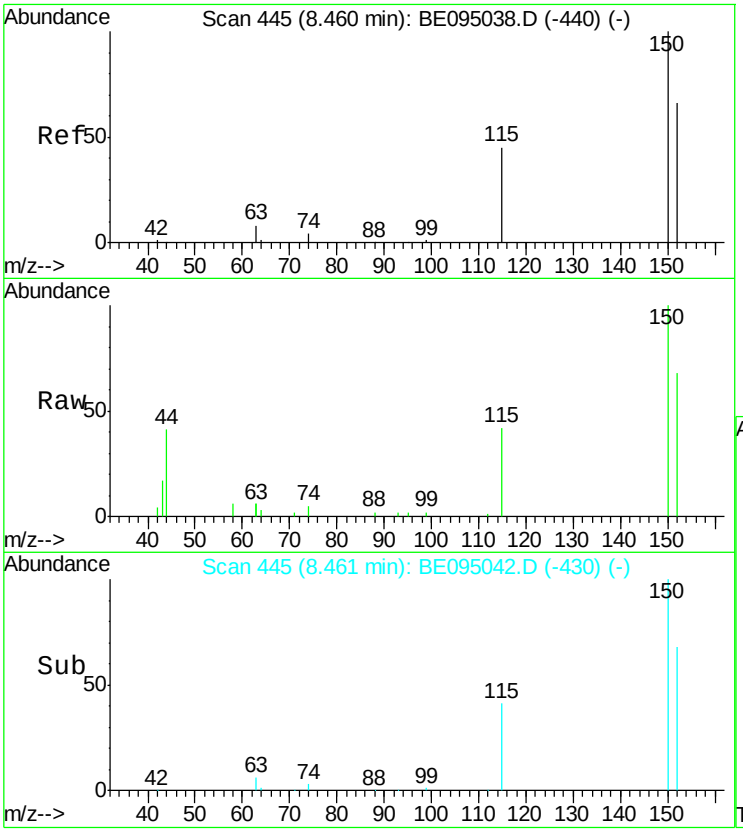
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE122217\
Data File : BE095042.D
Acq On : 22 Dec 2017 12:54
Operator : SJ/JU
Sample : PB105289BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Quant Time: Dec 22 17:39:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration



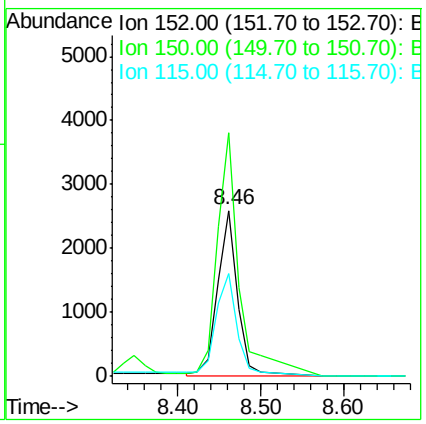


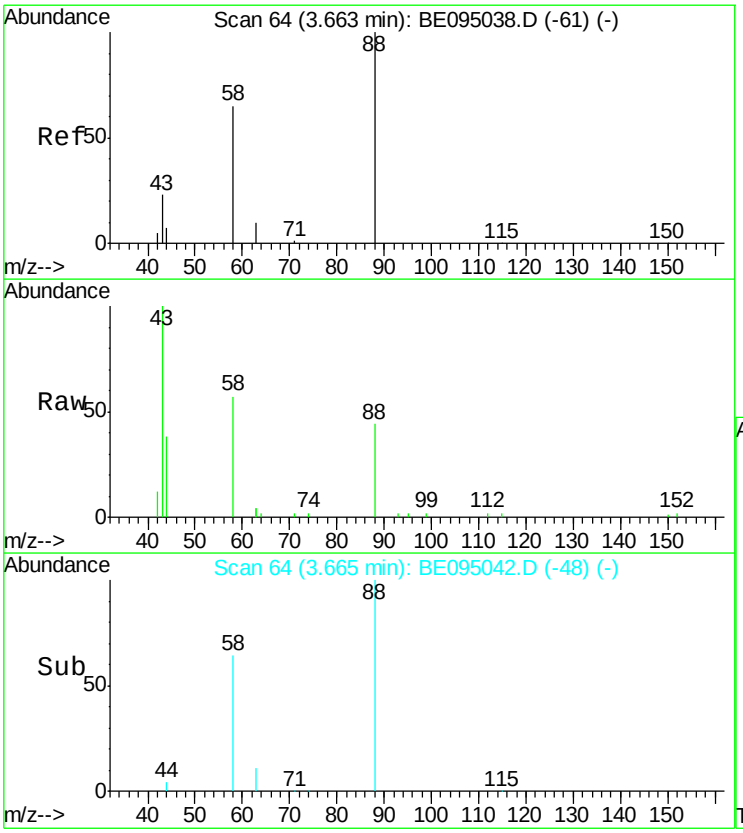
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:152 Resp: 6843

Ion	Ratio	Lower	Upper
152	100		
150	146.5	117.2	175.8
115	62.1	57.0	85.6

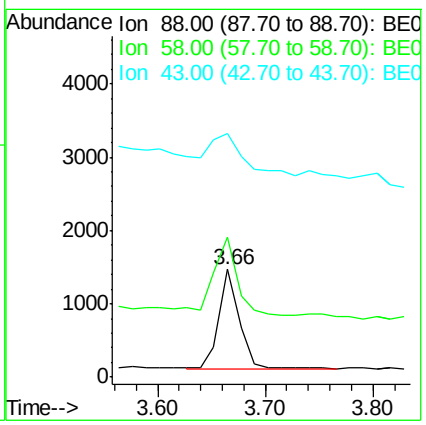


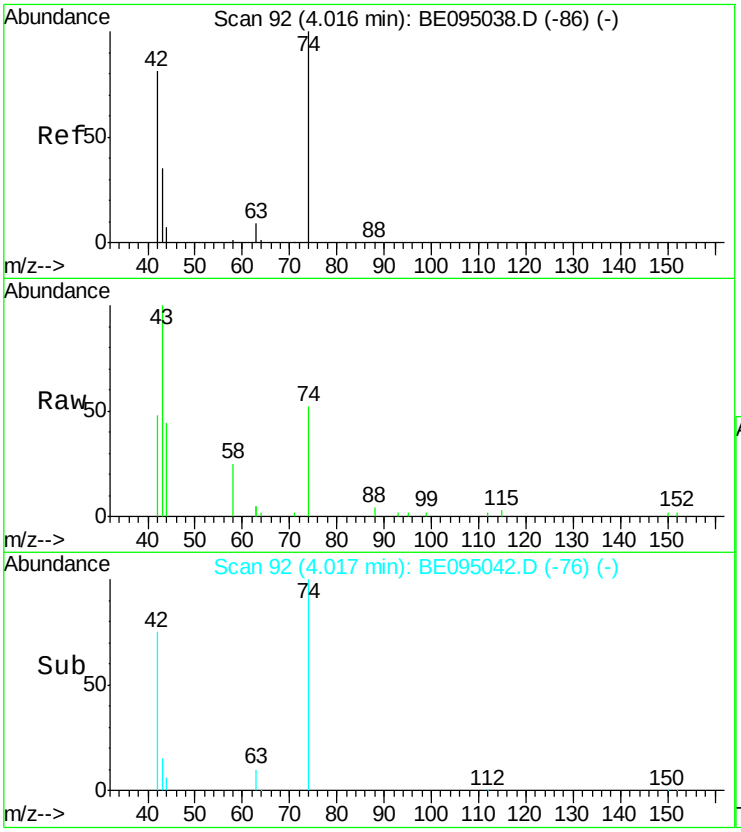


#2
1,4-Dioxane
Concen: 0.258 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion: 88 Resp: 1740

Ion	Ratio	Lower	Upper
88	100		
58	92.1	63.2	94.8
43	67.6	41.2	61.8#



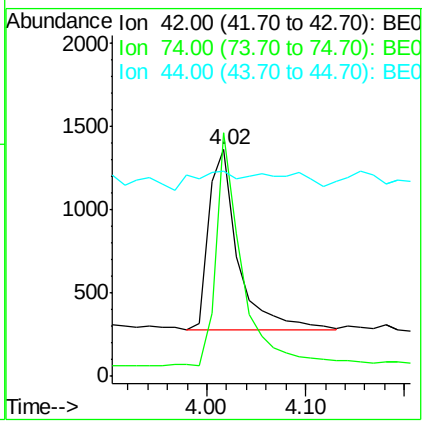


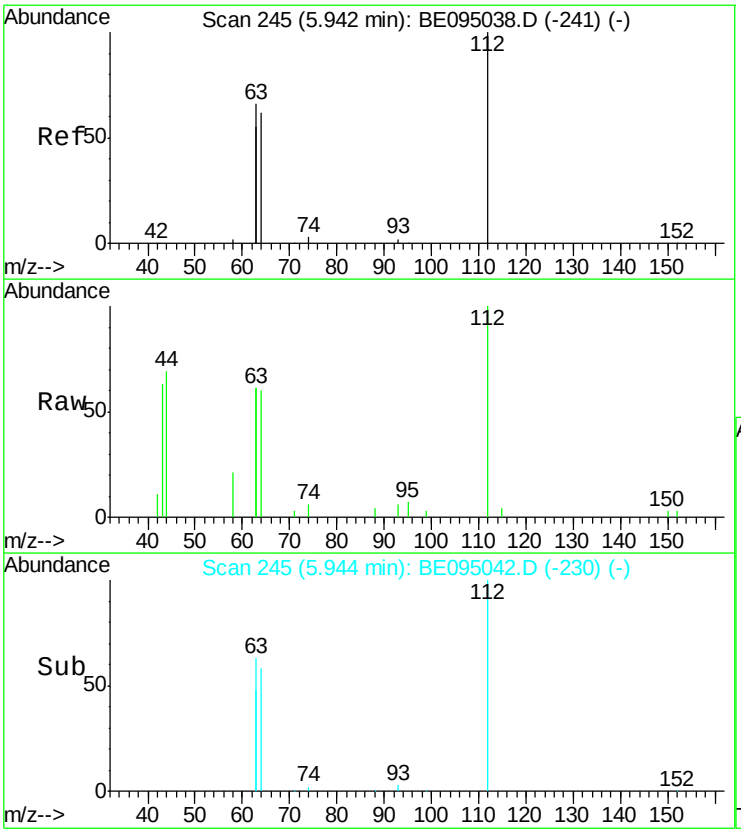
#3
n-Nitrosodimethylamine
Concen: 0.281 ng
RT: 4.02 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion: 42 Resp: 2238

Ion	Ratio	Lower	Upper
42	100		
74	115.5	96.0	144.0
44	15.2	12.0	18.0

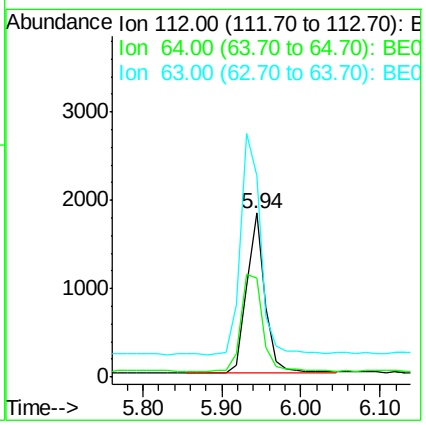


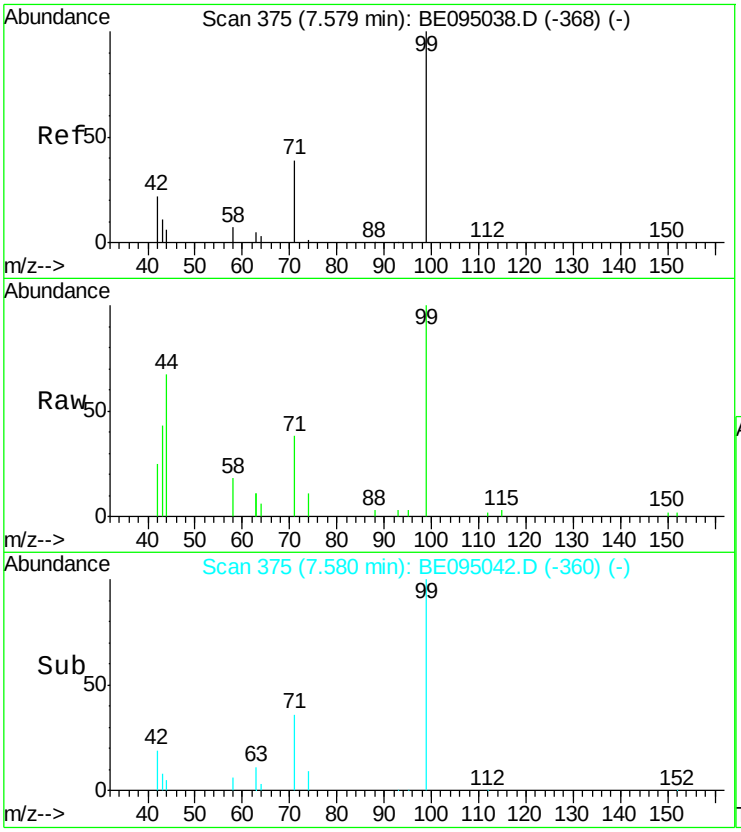


#4
2-Fluorophenol
Concen: 0.277 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:112 Resp: 2942

Ion	Ratio	Lower	Upper
112	100		
64	71.0	60.1	90.1
63	151.0	116.8	175.2



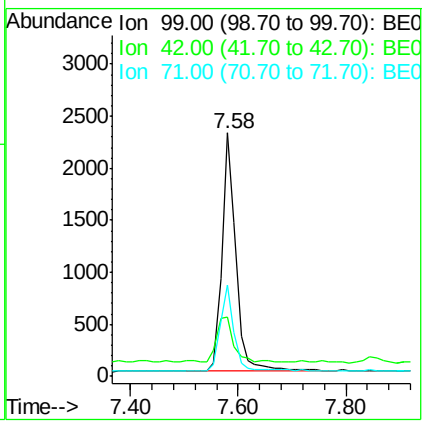


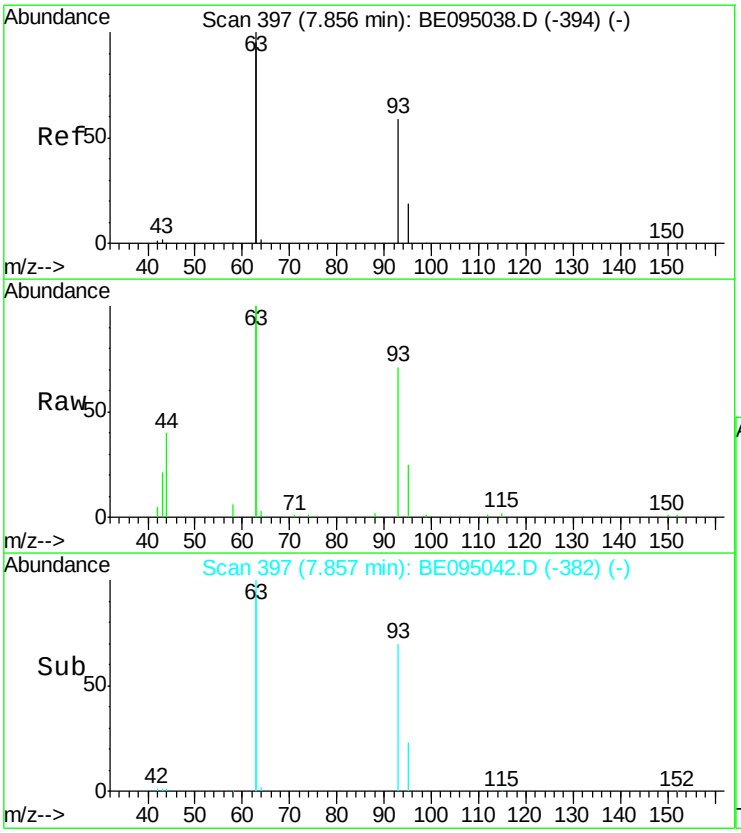
#5
Phenol-d6
Concen: 0.261 ng
RT: 7.58 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion: 99 Resp: 4122

Ion	Ratio	Lower	Upper
99	100		
42	21.8	20.2	30.2
71	36.1	28.4	42.6

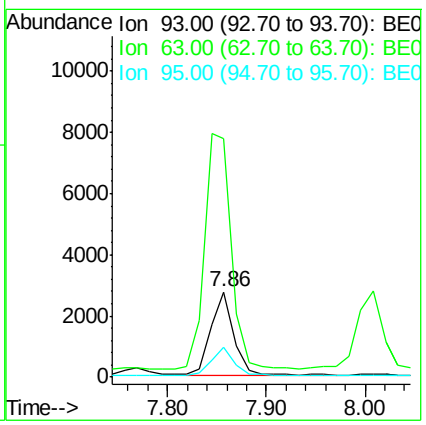


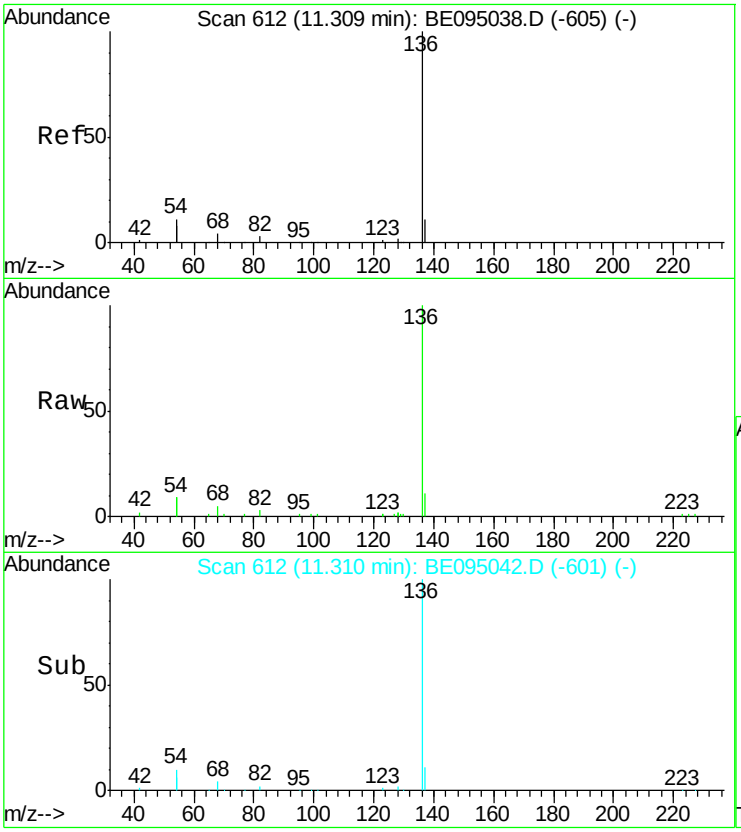


#6
bis(2-Chloroethyl)ether
Concen: 0.284 ng
RT: 7.86 min Scan# 397
Delta R.T. -0.01 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion: 93 Resp: 4376

Ion	Ratio	Lower	Upper
93	100		
63	329.5	275.3	412.9
95	32.9	25.2	37.8



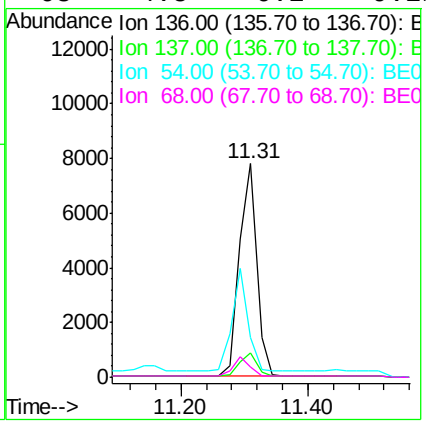


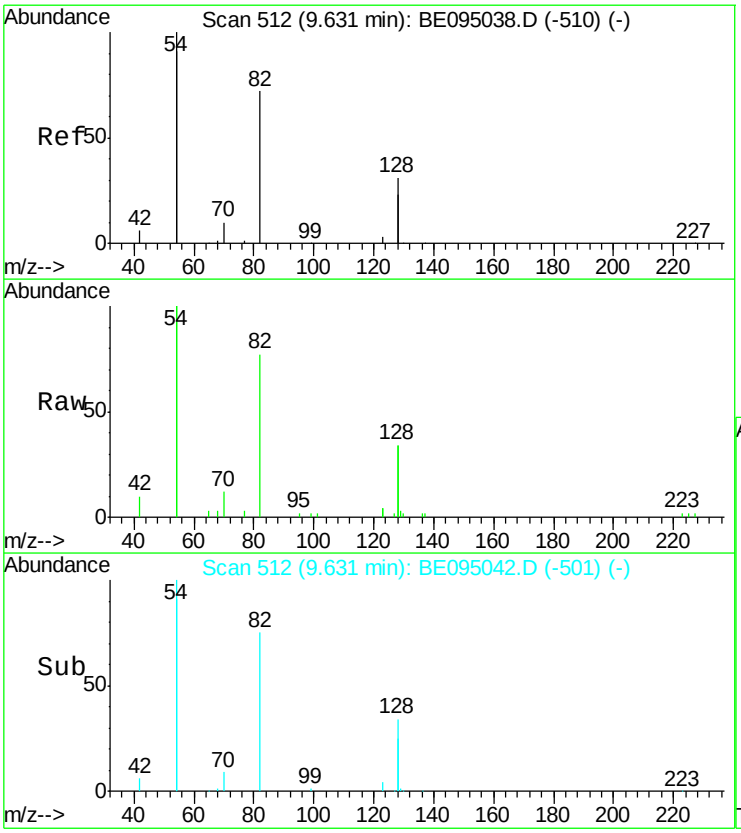
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:136 Resp: 14740

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	18.9	29.1	43.7#
68	4.5	6.2	9.2#

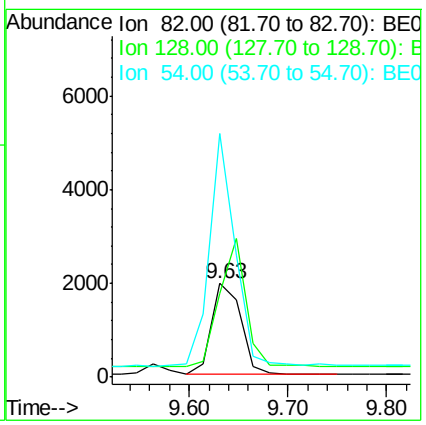


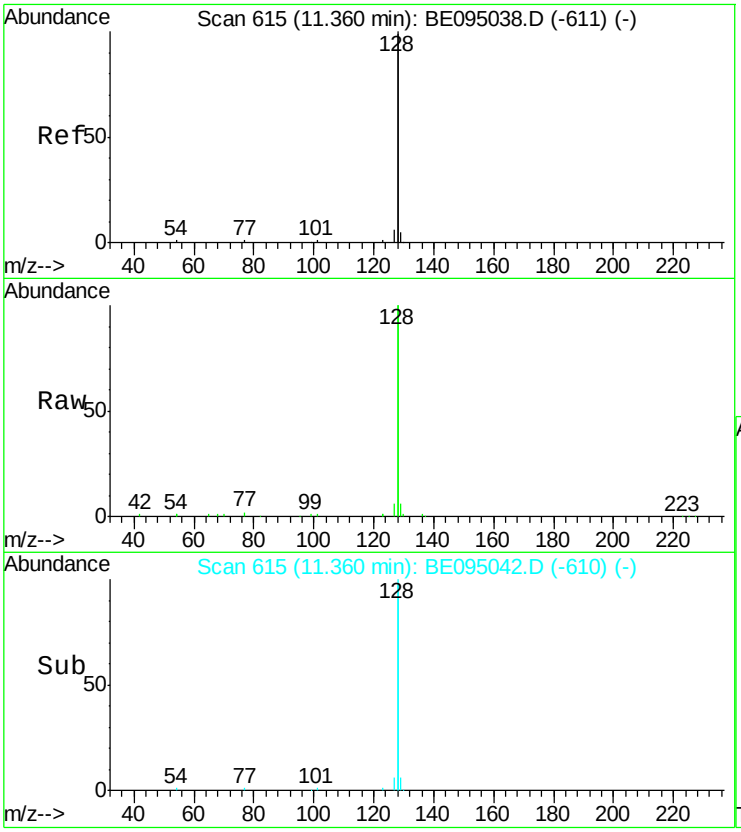


#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion: 82 Resp: 3983

Ion	Ratio	Lower	Upper
82	100		
128	88.9	150.0	225.0#
54	260.5	154.2	231.4#



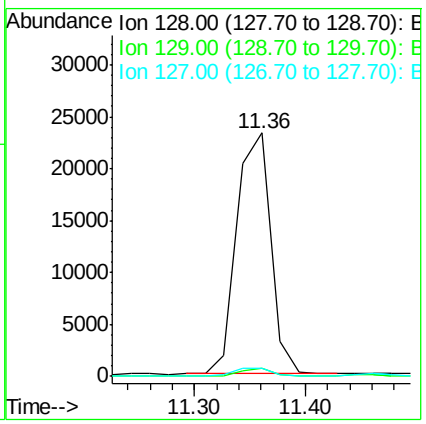


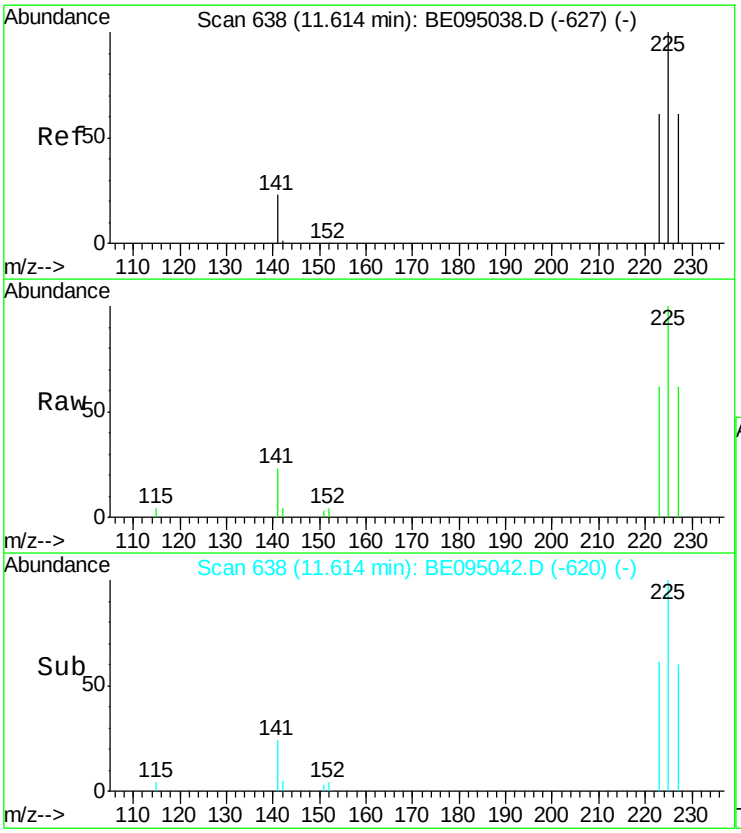
#9
Naphthalene
Concen: 0.283 ng
RT: 11.36 min Scan# 615
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:128 Resp: 48926

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.1	2.8	4.2

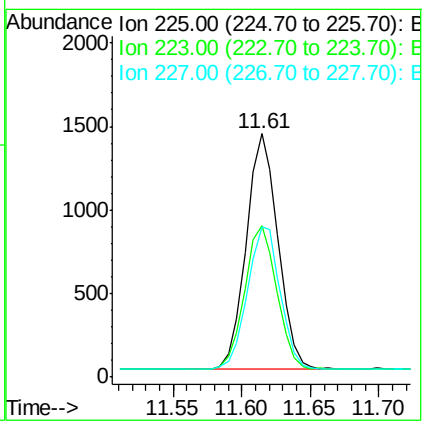


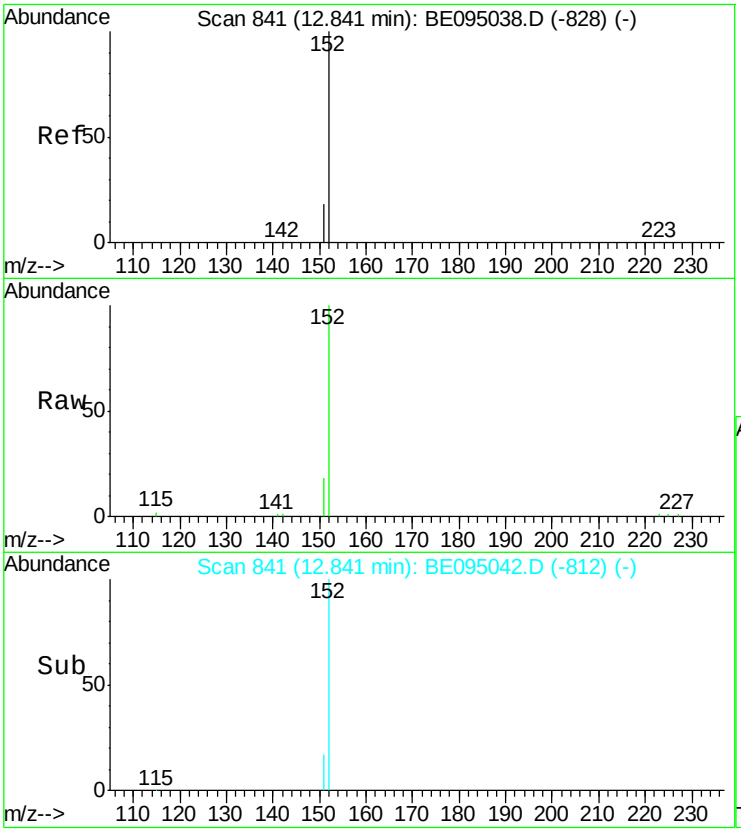


#10
Hexachlorobutadiene
Concen: 0.291 ng
RT: 11.61 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:225 Resp: 2292

Ion	Ratio	Lower	Upper
225	100		
223	61.6	53.0	79.6
227	62.1	51.4	77.2



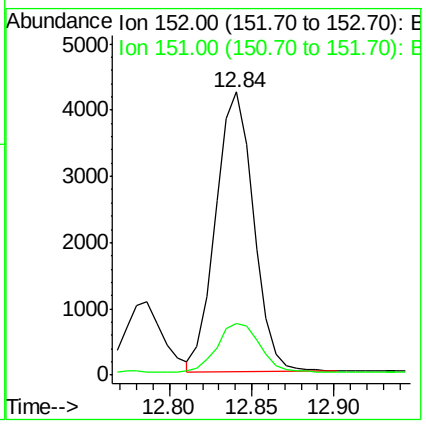


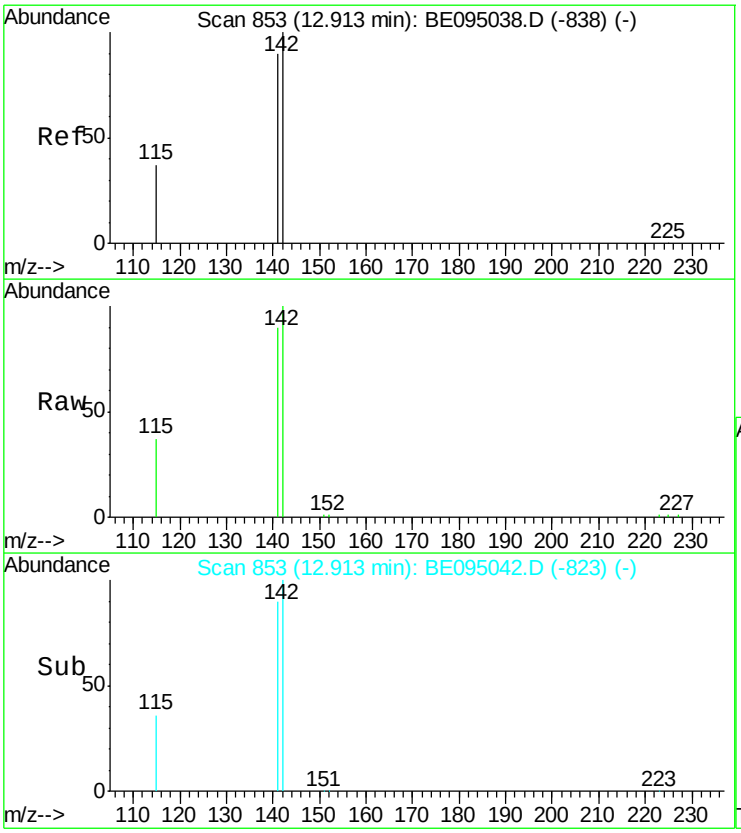
#11
2-Methylnaphthalene-d10
Concen: 0.279 ng
RT: 12.84 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:152 Resp: 6738

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

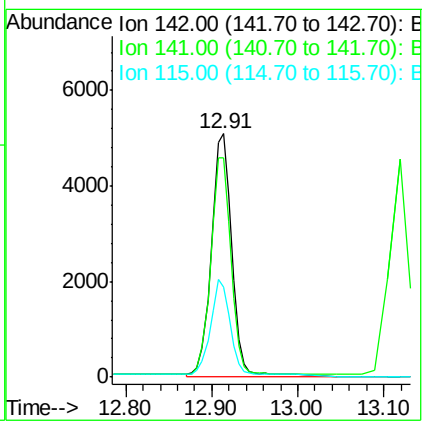


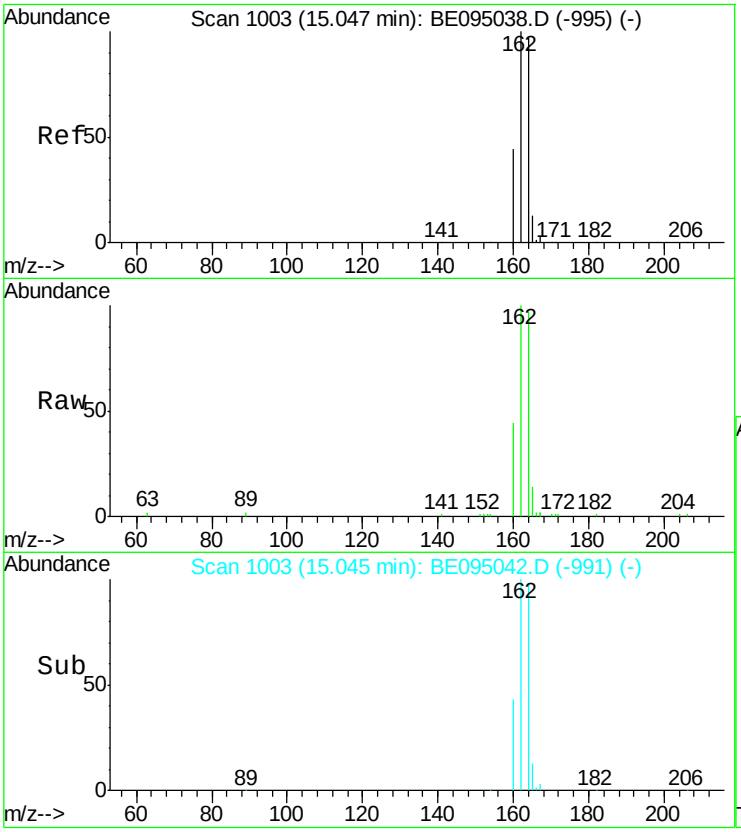


#12
2-Methylnaphthalene
Concen: 0.257 ng
RT: 12.91 min Scan# 853
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:142 Resp: 11106

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.4	105.6
115	37.1	31.7	47.5



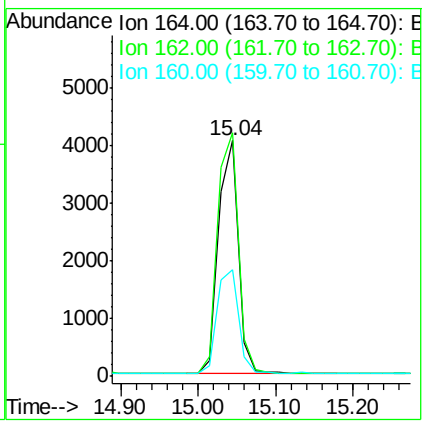


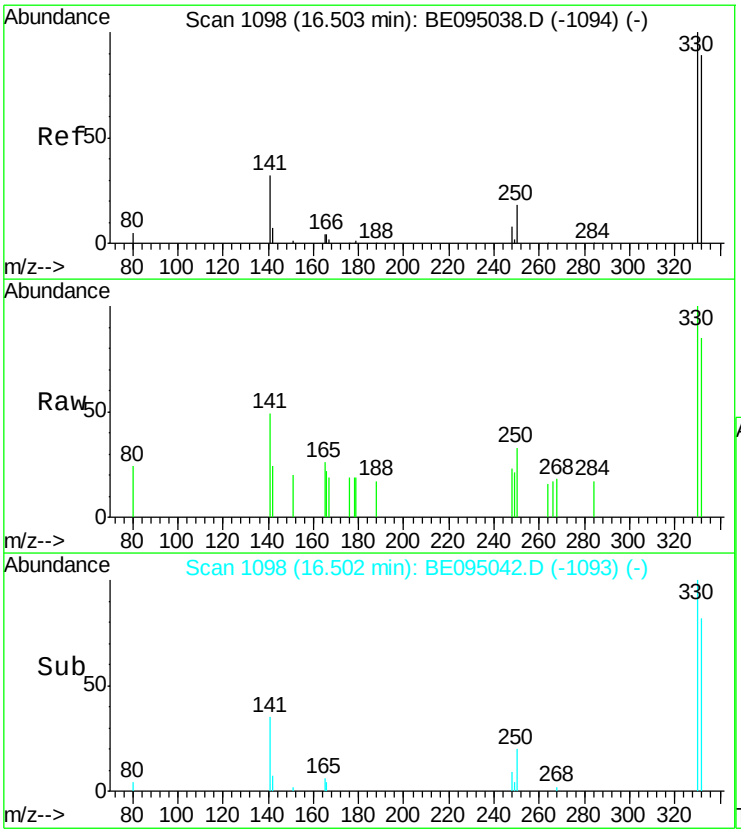
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.04 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:164 Resp: 7157

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.1	124.7
160	45.1	37.1	55.7

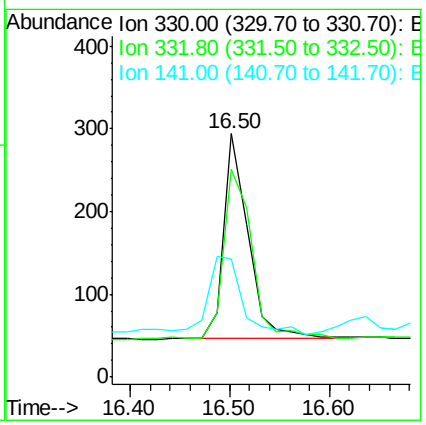


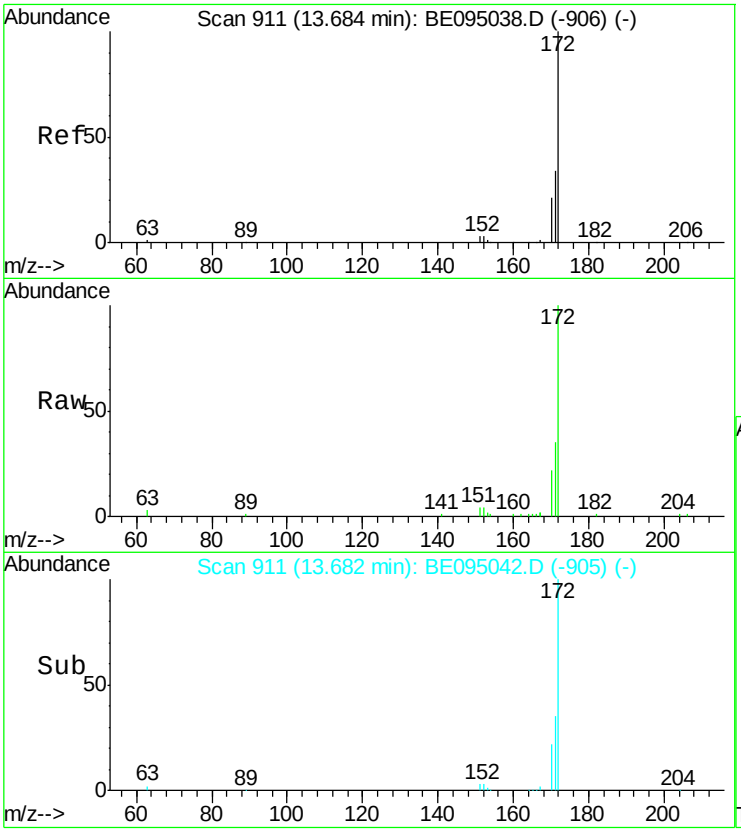


#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 16.50 min Scan# 1098
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:330 Resp: 417

Ion	Ratio	Lower	Upper
330	100		
332	95.4	152.7	229.1#
141	53.5	33.7	50.5#



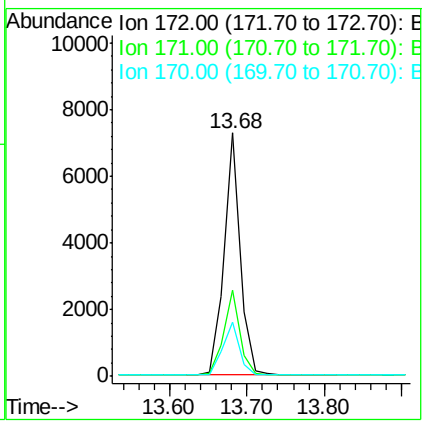


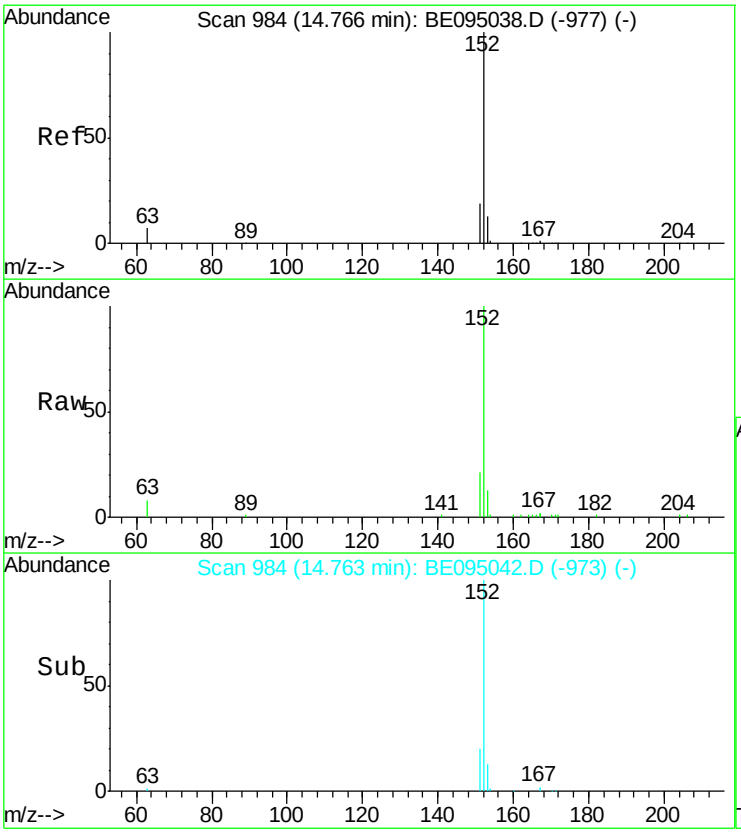
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:172 Resp: 10436

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.9	44.9
170	22.0	21.8	32.8

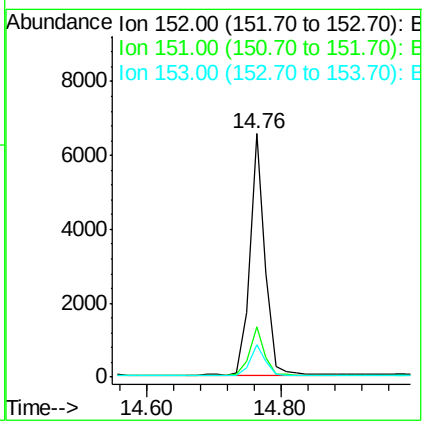


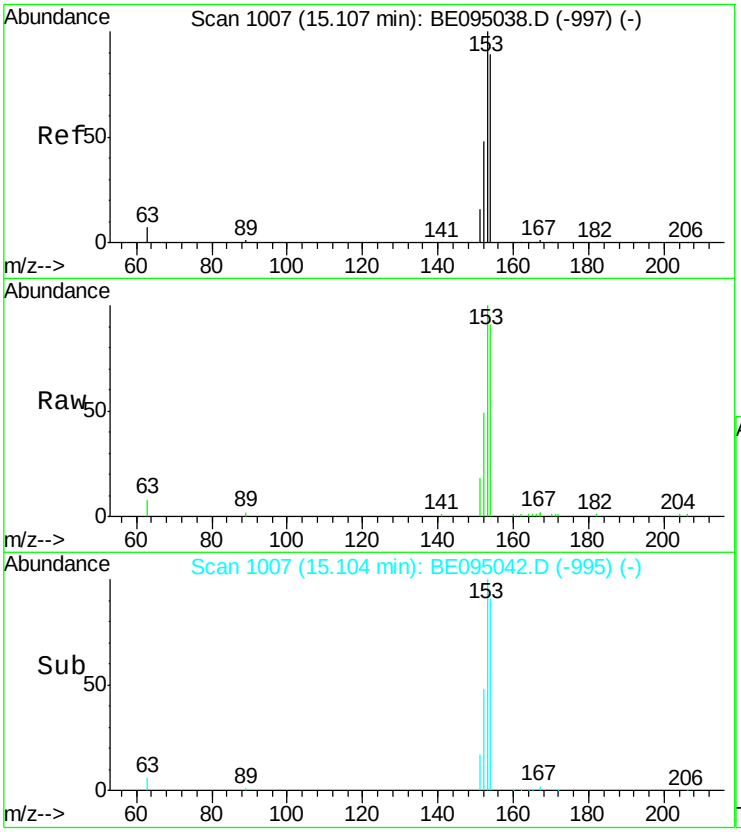


#16
Acenaphthylene
Concen: 0.270 ng
RT: 14.76 min Scan# 984
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:152 Resp: 10317

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



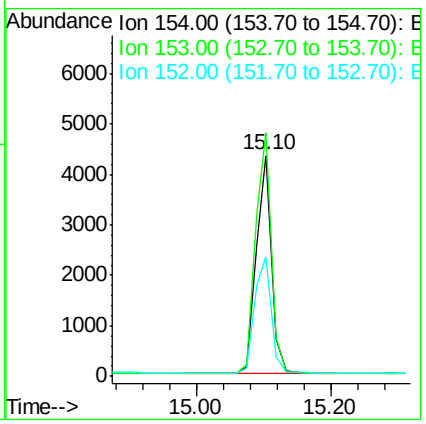


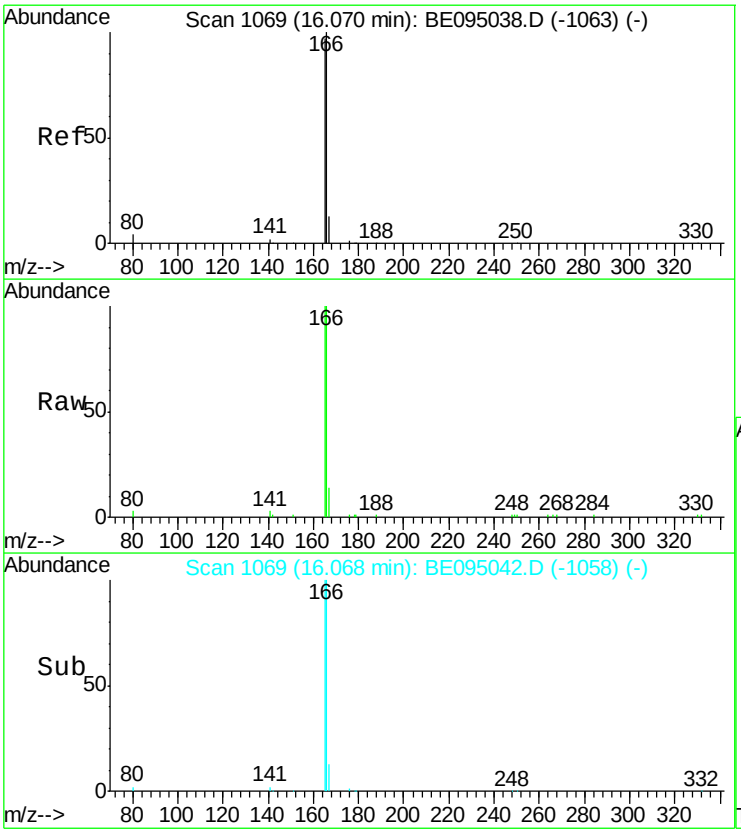
#17
Acenaphthene
Concen: 0.277 ng
RT: 15.10 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:154 Resp: 7027

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.2	133.8
152	58.4	42.0	63.0

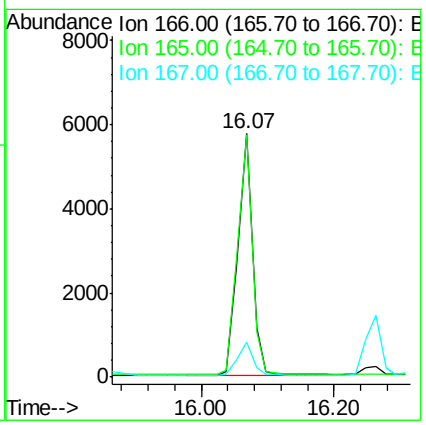


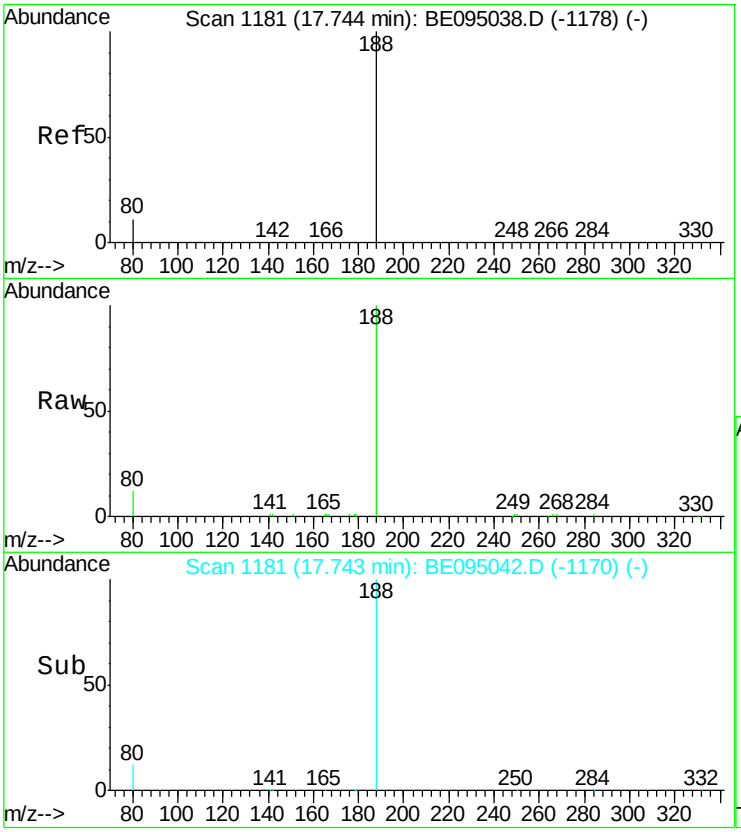


#18
Fluorene
Concen: 0.275 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:166 Resp: 8683

Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.8	116.6
167	13.9	42.4	63.6#



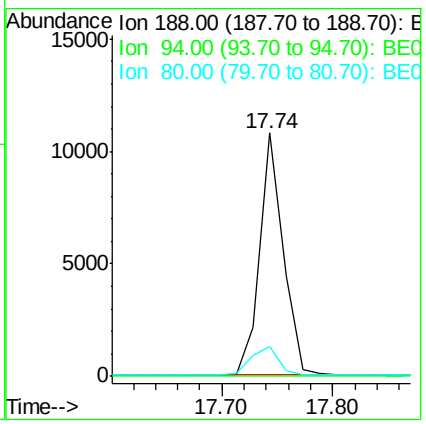


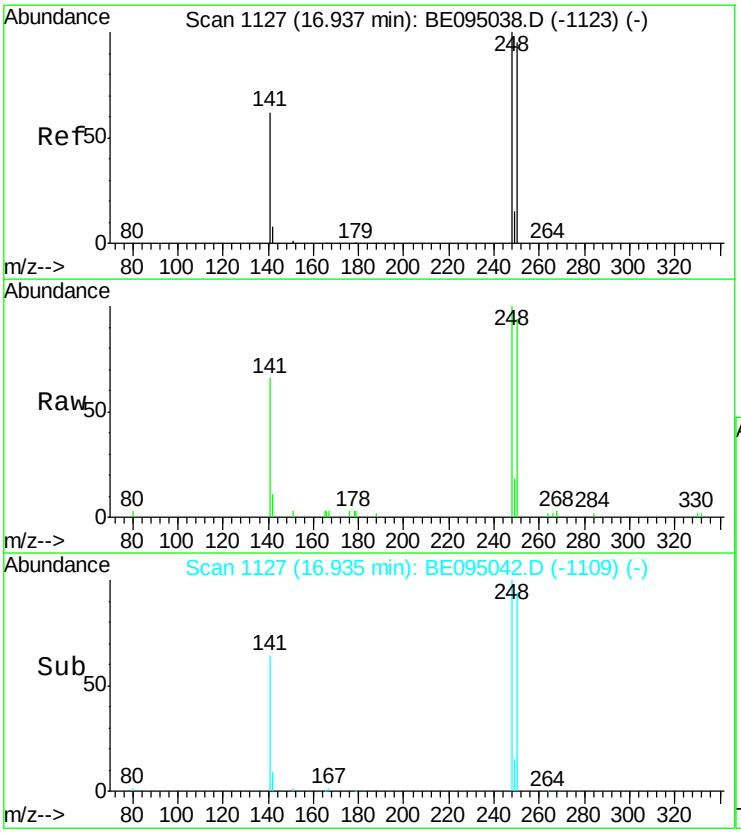
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:188 Resp: 15848

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.3	3.6	5.4#

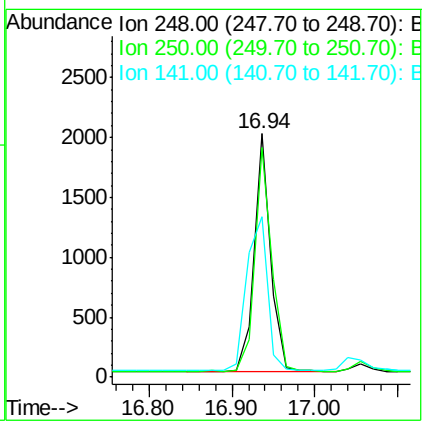


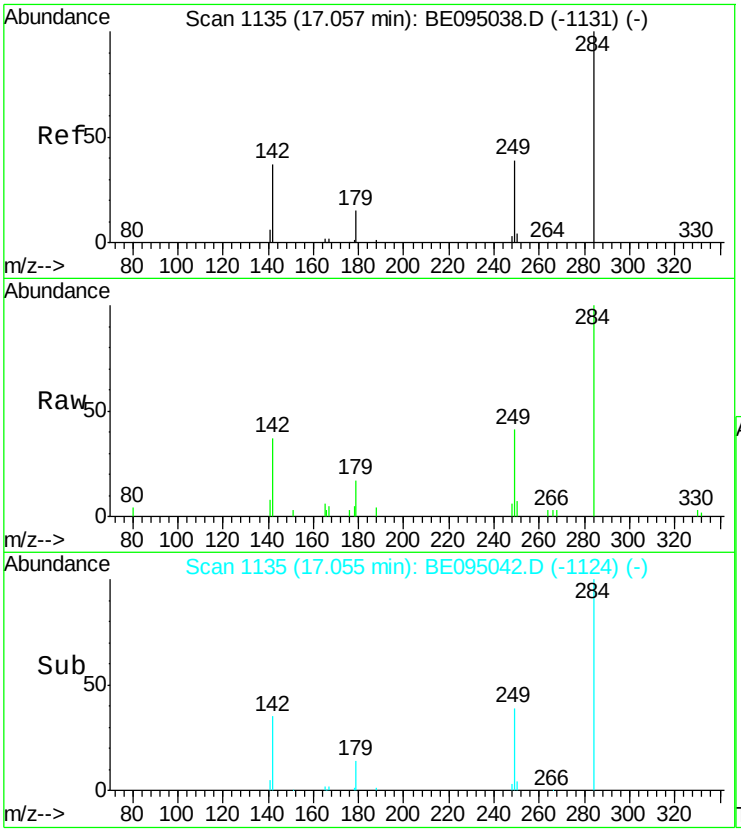


#20
4-Bromophenyl-phenylether
Concen: 0.298 ng
RT: 16.94 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:248 Resp: 2764

Ion	Ratio	Lower	Upper
248	100		
250	94.1	62.7	94.1#
141	65.7	48.2	72.2



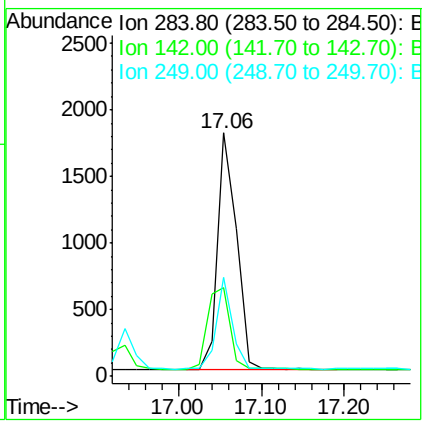


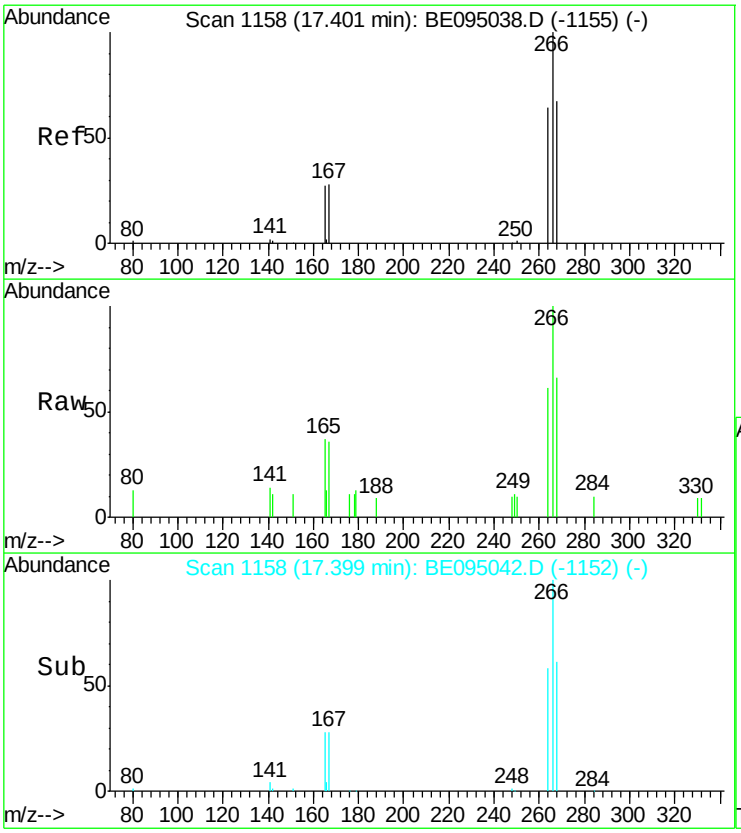
#21
Hexachlorobenzene
Concen: 0.297 ng
RT: 17.06 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:284 Resp: 2819

Ion	Ratio	Lower	Upper
284	100		
142	41.8	22.1	33.1#
249	33.8	34.8	52.2#

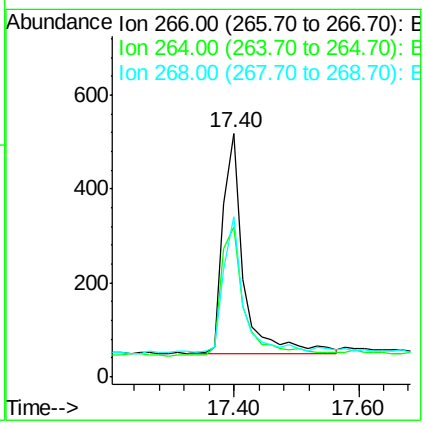


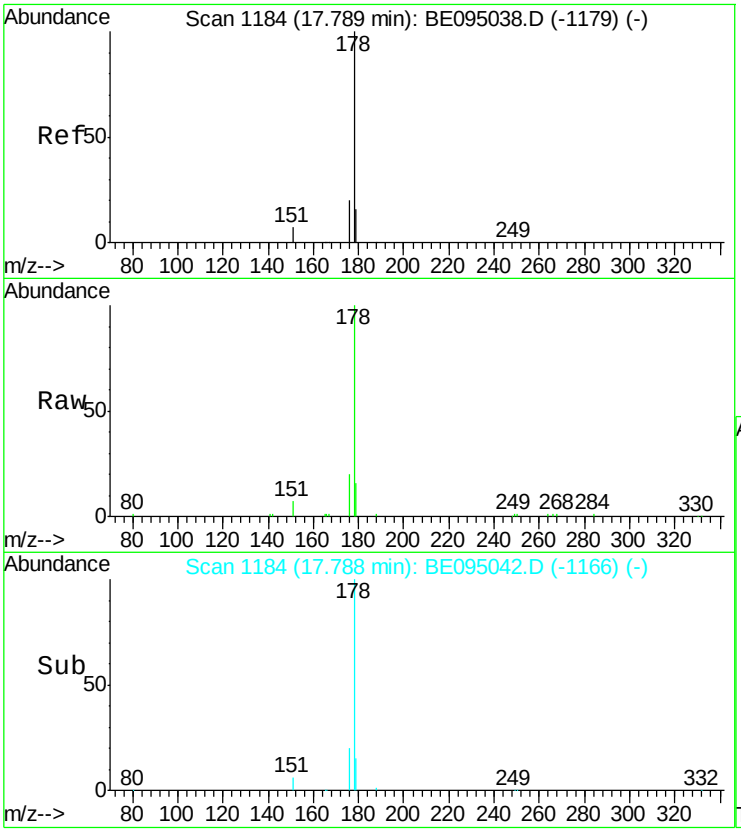


#22
Pentachlorophenol
Concen: 0.541 ng
RT: 17.40 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:266 Resp: 1083

Ion	Ratio	Lower	Upper
266	100		
264	61.4	72.5	108.7#
268	66.0	73.8	110.6#



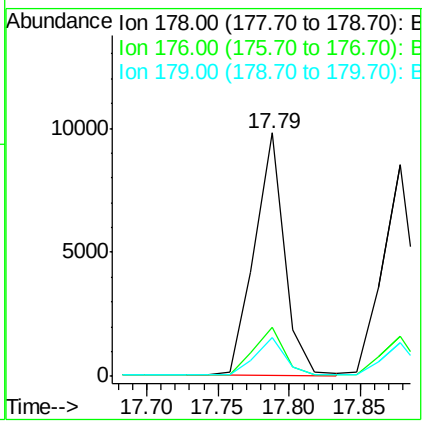


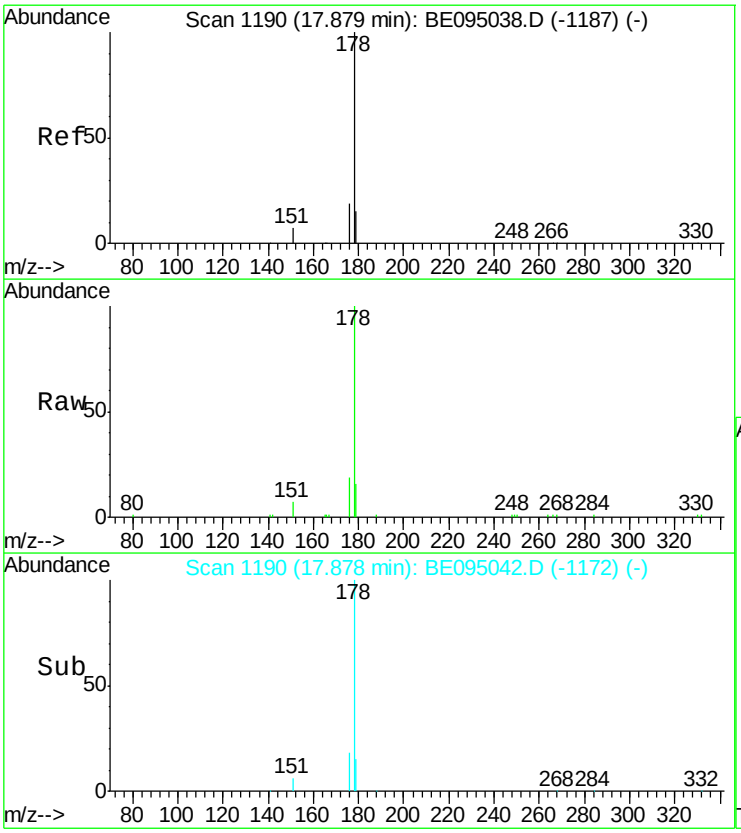
#23
Phenanthrene
Concen: 0.292 ng
RT: 17.79 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:178 Resp: 14441

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.1	22.7
179	15.7	11.8	17.6

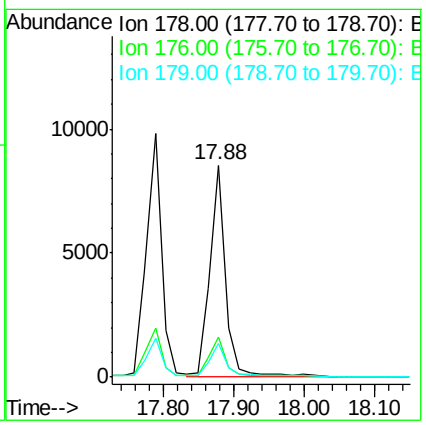


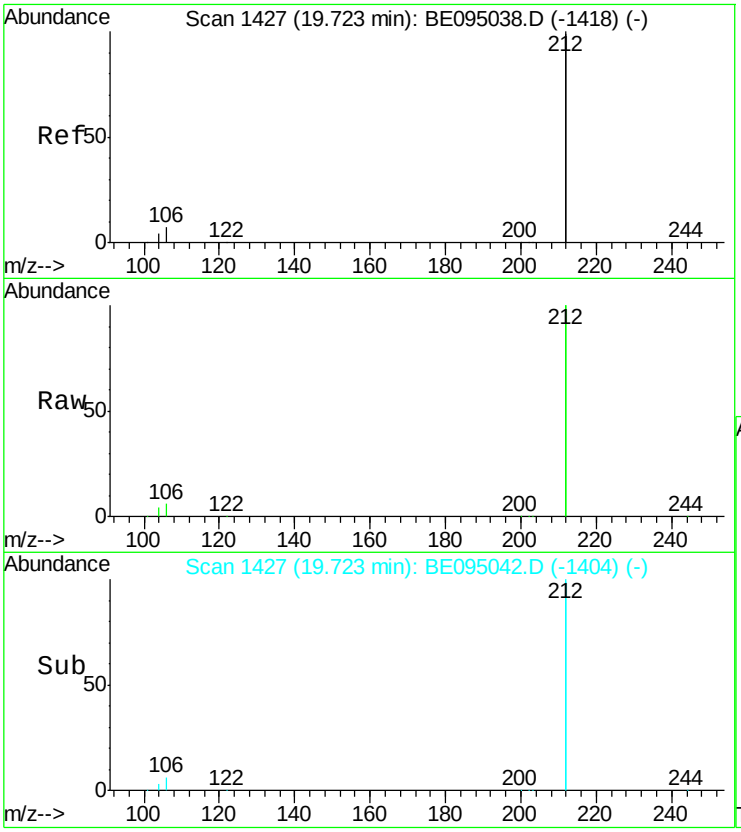


#24
Anthracene
Concen: 0.296 ng
RT: 17.88 min Scan# 1190
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:178 Resp: 14985

Ion	Ratio	Lower	Upper
178	100		
176	22.1	12.8	19.2#
179	19.6	13.0	19.6#



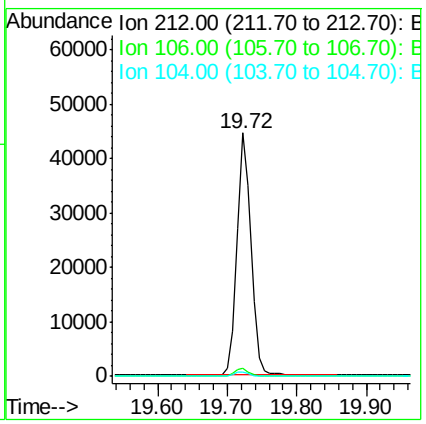


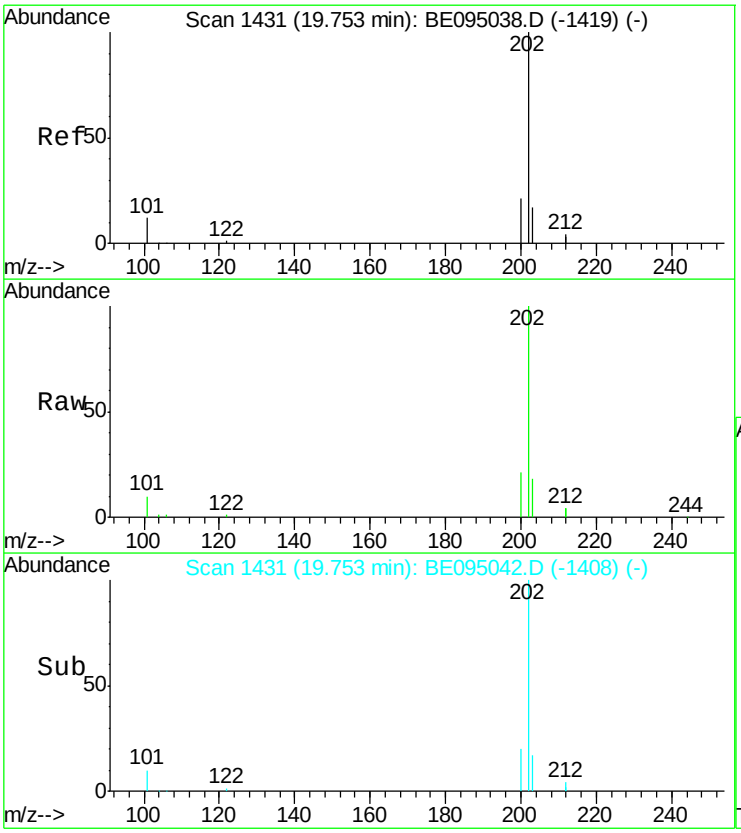
#25
Fluoranthene-d10
Concen: 0.294 ng
RT: 19.72 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:212 Resp: 60383

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.9	1.6	2.4

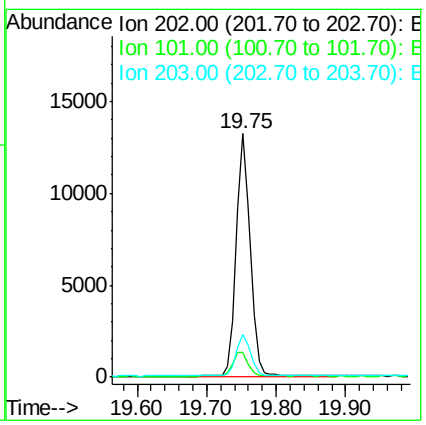


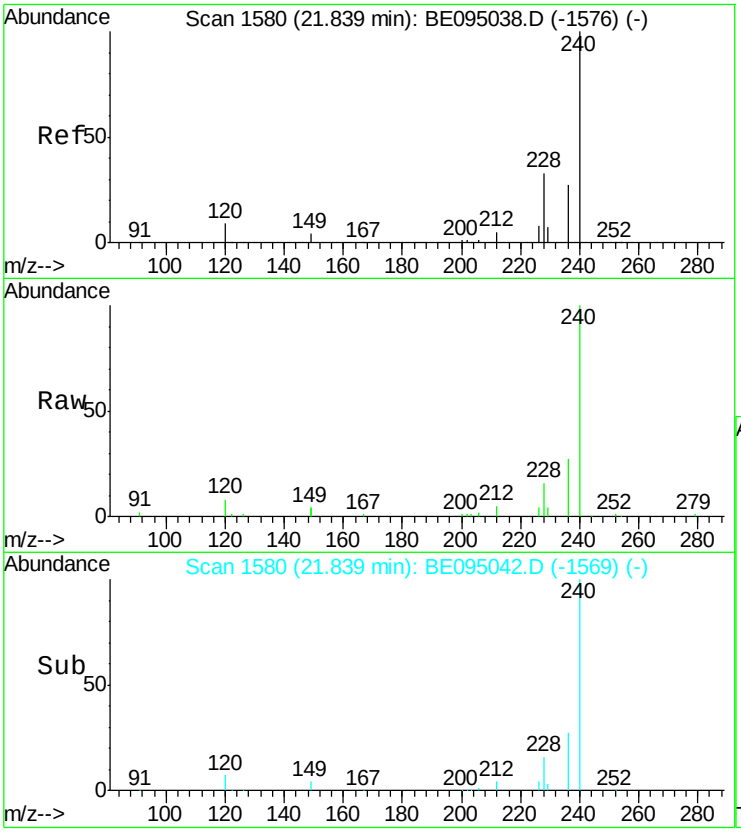


#26
Fluoranthene
Concen: 0.293 ng
RT: 19.75 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:202 Resp: 17877

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
203	17.3	13.7	20.5



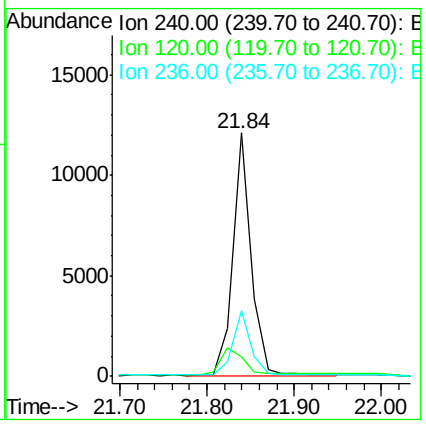


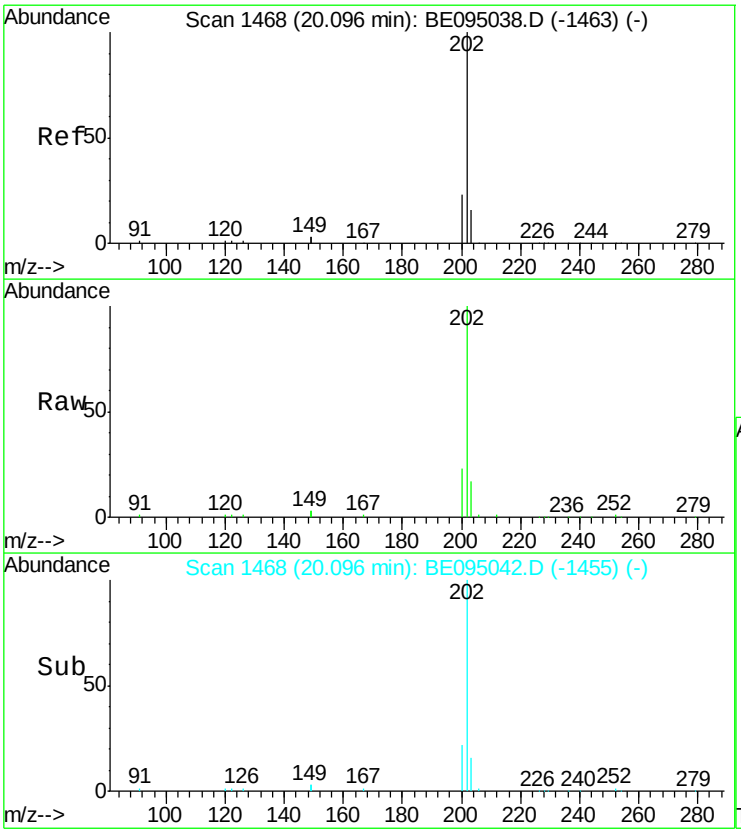
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:240 Resp: 17530

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.5	8.3
236	27.0	20.7	31.1

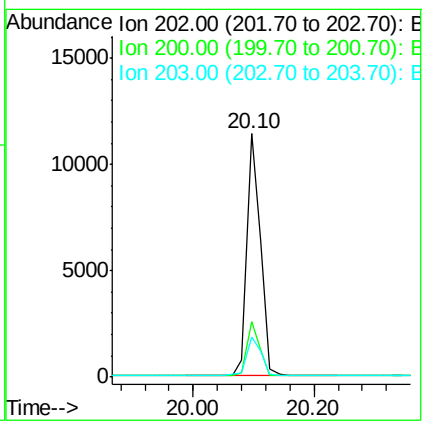


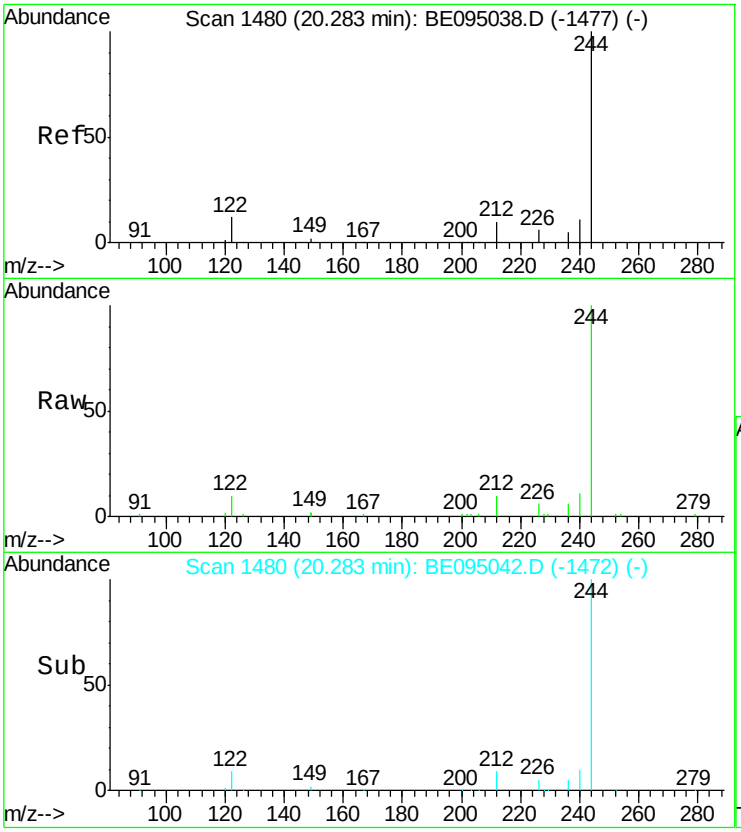


#28
Pyrene
Concen: 0.341 ng
RT: 20.10 min Scan# 1468
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:202 Resp: 20258

Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.6	25.0
203	17.9	13.8	20.8



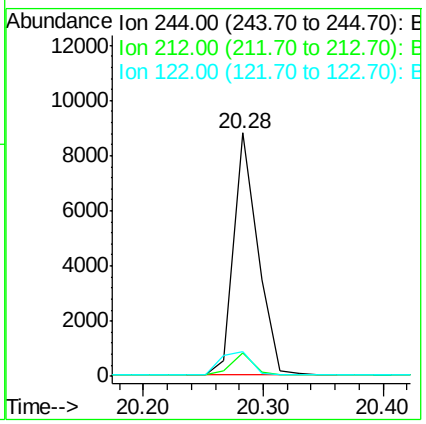


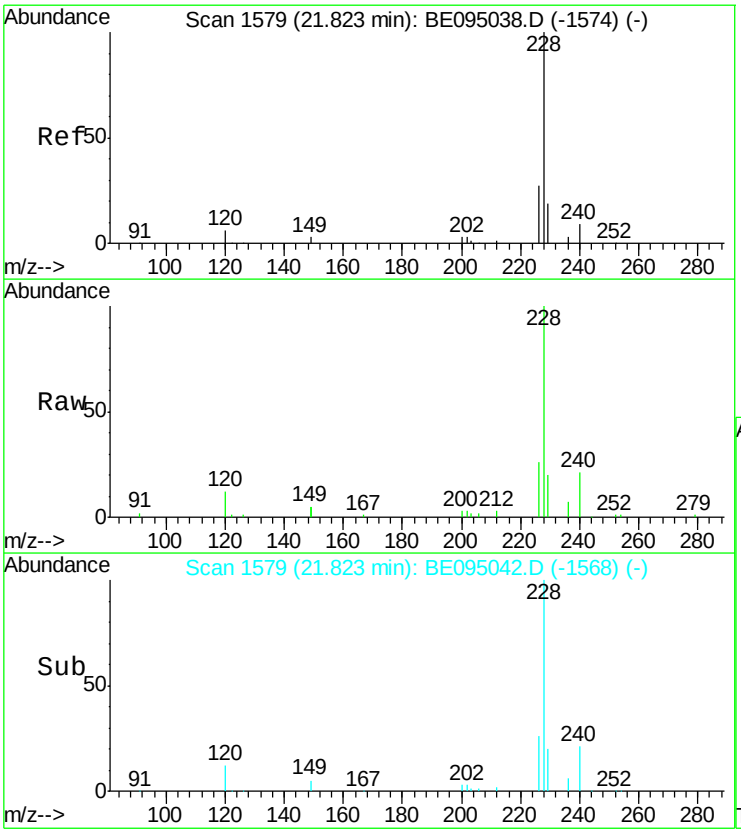
#29
Terphenyl-d14
Concen: 0.368 ng
RT: 20.28 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:244 Resp: 12153

Ion	Ratio	Lower	Upper
244	100		
212	9.6	25.4	38.0#
122	9.9	8.1	12.1

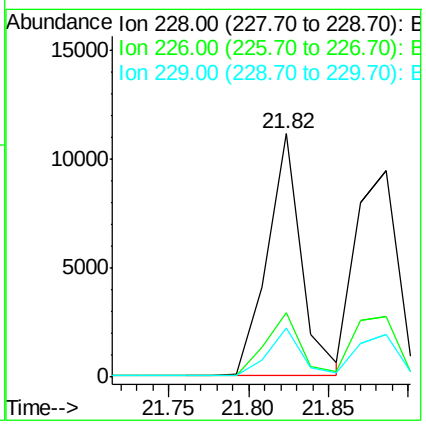


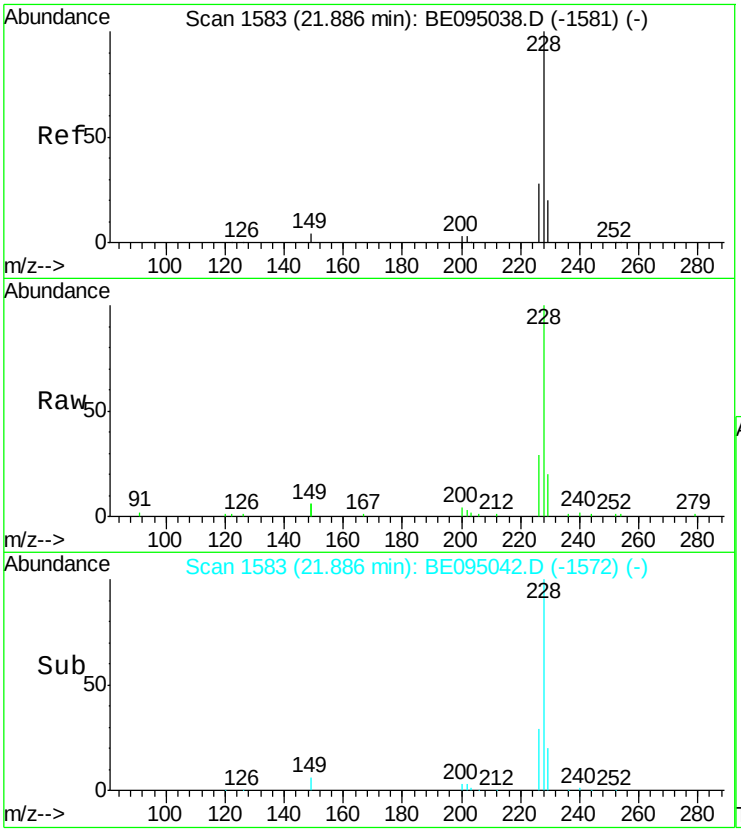


#30
Benzo(a)anthracene
Concen: 0.325 ng
RT: 21.82 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:228 Resp: 16643

Ion	Ratio	Lower	Upper
228	100		
226	26.2	40.0	60.0#
229	20.3	40.0	60.0#



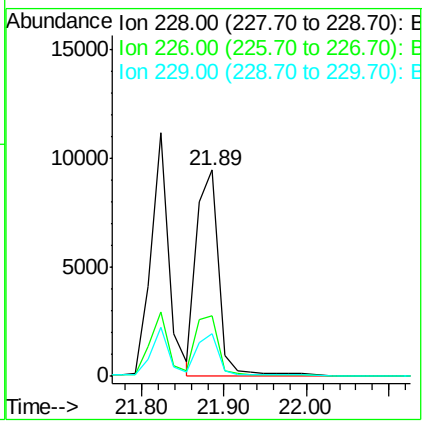


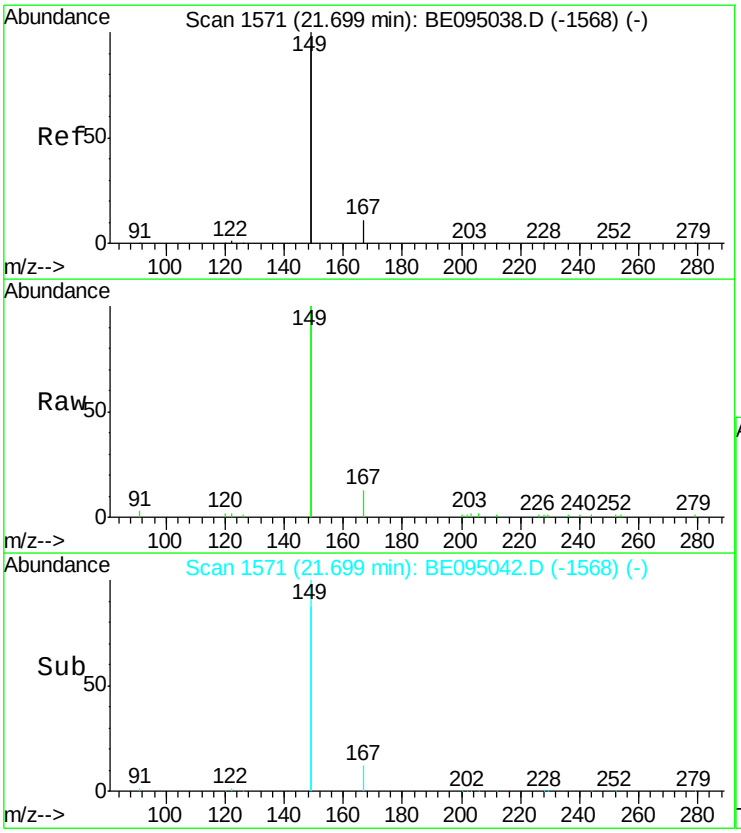
#31
Chrysene
Concen: 0.333 ng
RT: 21.89 min Scan# 1583
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:228 Resp: 19177

Ion	Ratio	Lower	Upper
228	100		
226	29.1	40.0	60.0#
229	20.5	40.0	60.0#

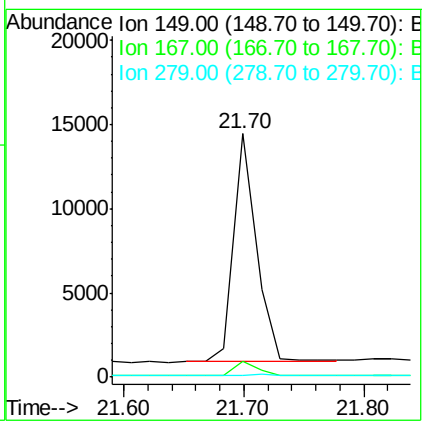


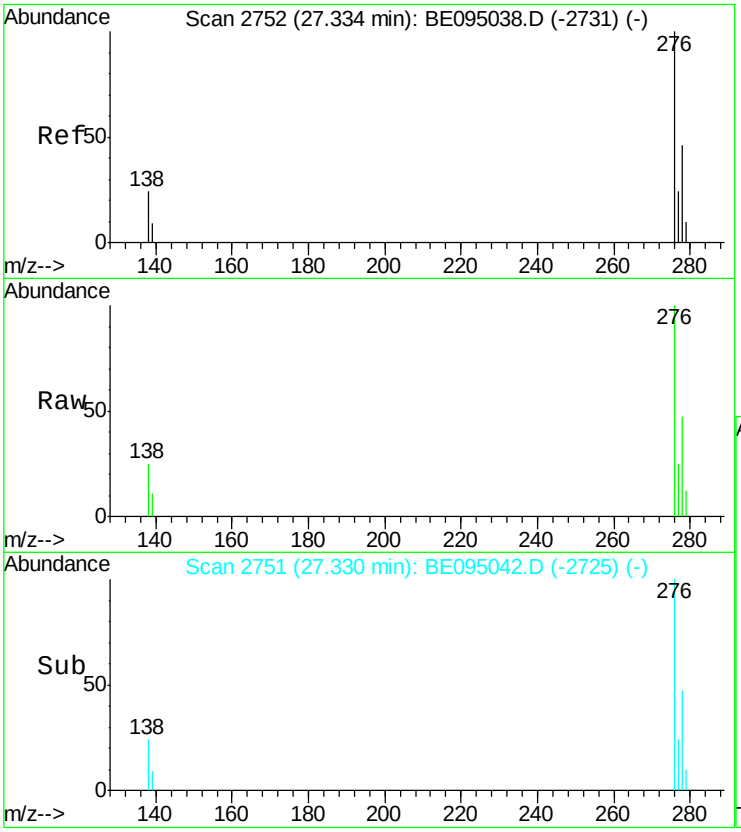


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.272 ng
RT: 21.70 min Scan# 1571
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:149 Resp: 17724

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1



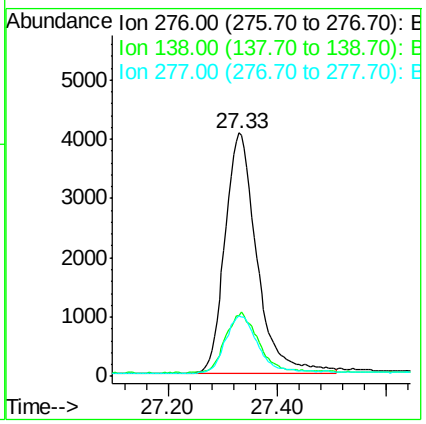


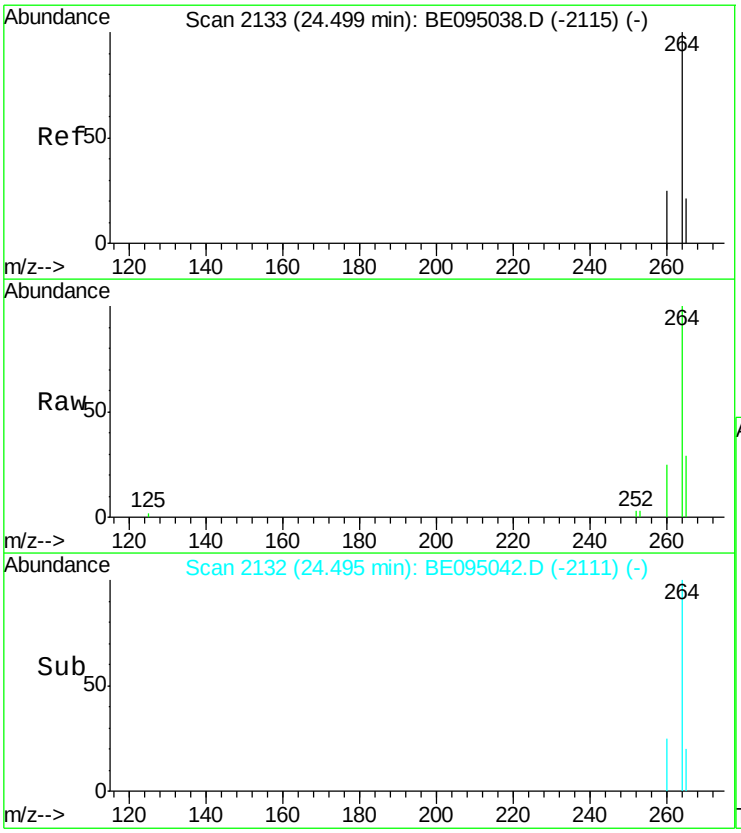
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.350 ng
RT: 27.33 min Scan# 2751
Delta R.T. -0.08 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:276 Resp: 16427

Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.5	33.7
277	23.9	19.9	29.9

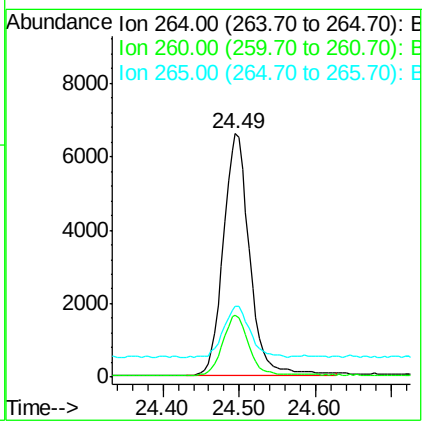


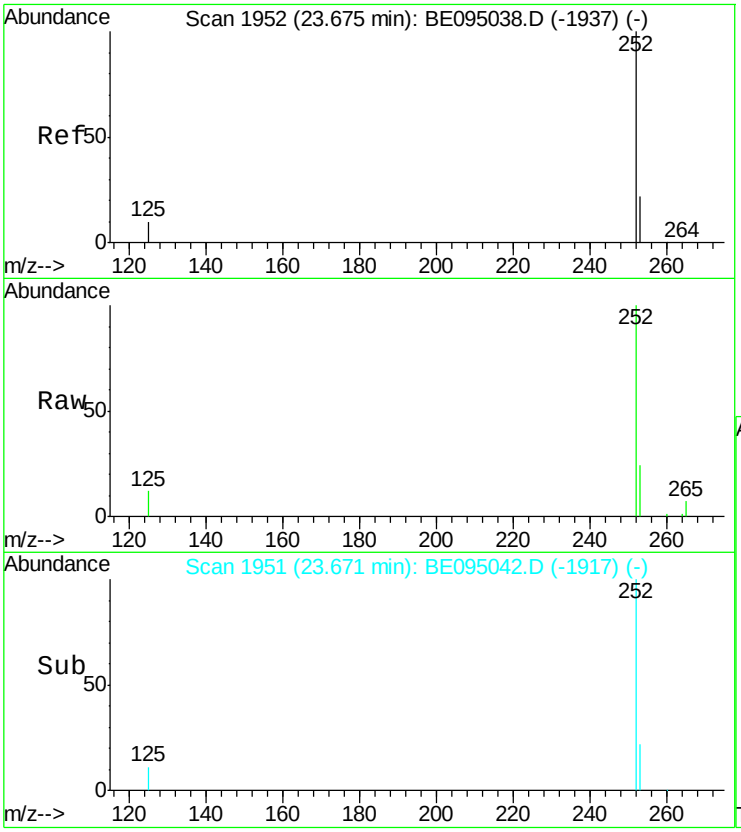


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.49 min Scan# 2132
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:264 Resp: 15741

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	28.9	22.8	34.2



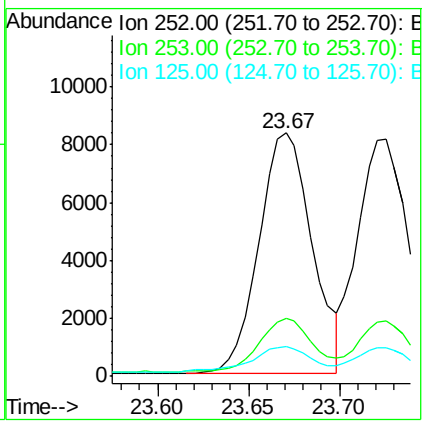


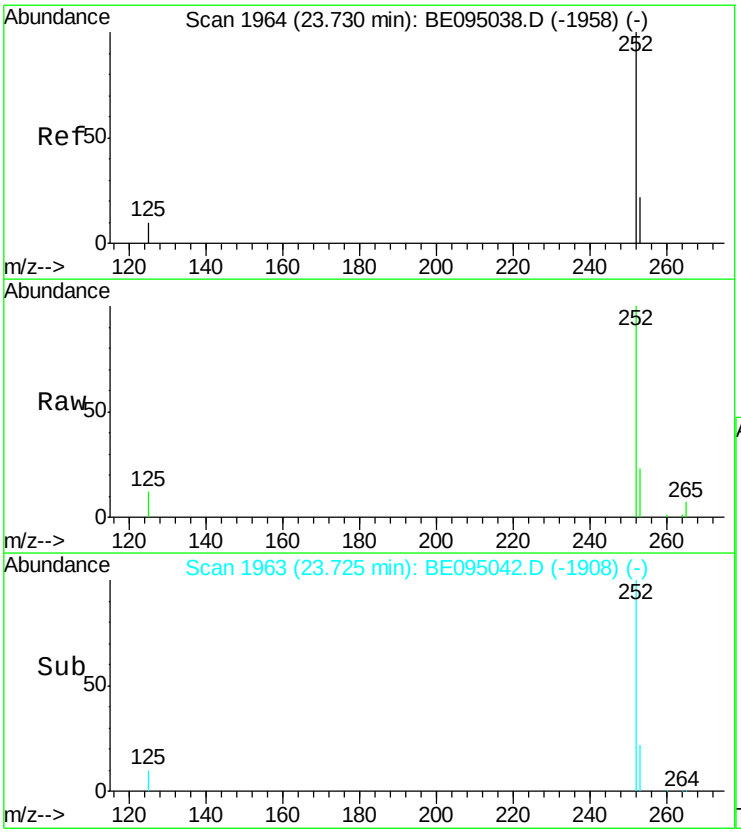
#35
Benzo(b)fluoranthene
Concen: 0.293 ng
RT: 23.67 min Scan# 1951
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:252 Resp: 16916

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	12.3	16.0	24.0#

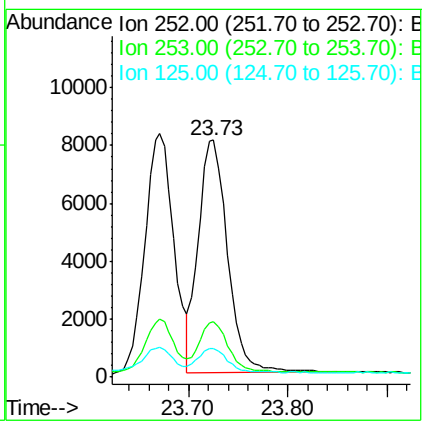


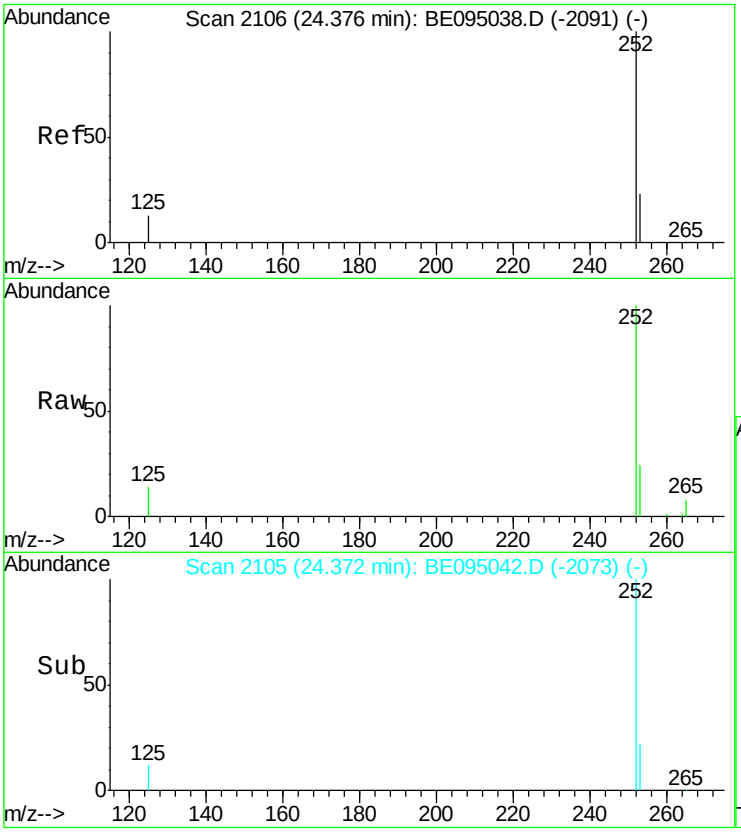


#36
Benzo(k)fluoranthene
Concen: 0.280 ng
RT: 23.73 min Scan# 1963
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:252 Resp: 16388

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	11.9	8.0	12.0



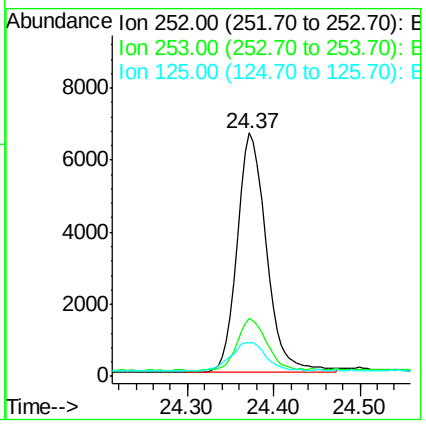


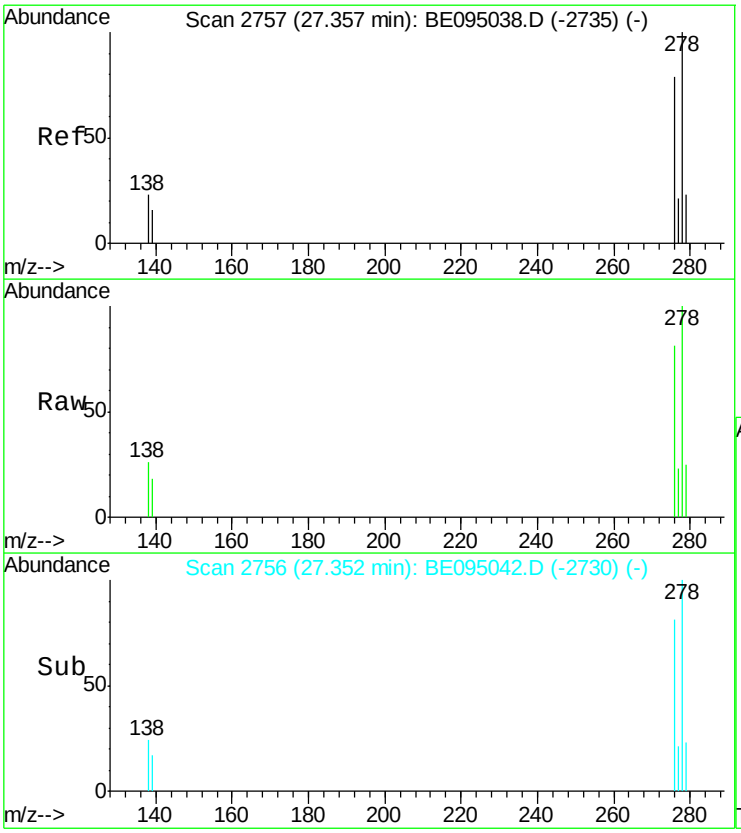
#37
Benzo(a)pyrene
Concen: 0.303 ng
RT: 24.37 min Scan# 2105
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:252 Resp: 15541

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0
125	14.0	12.0	18.0

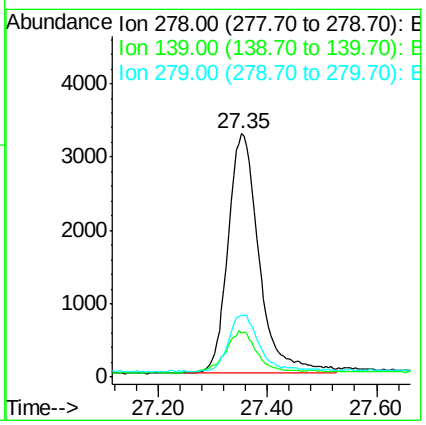


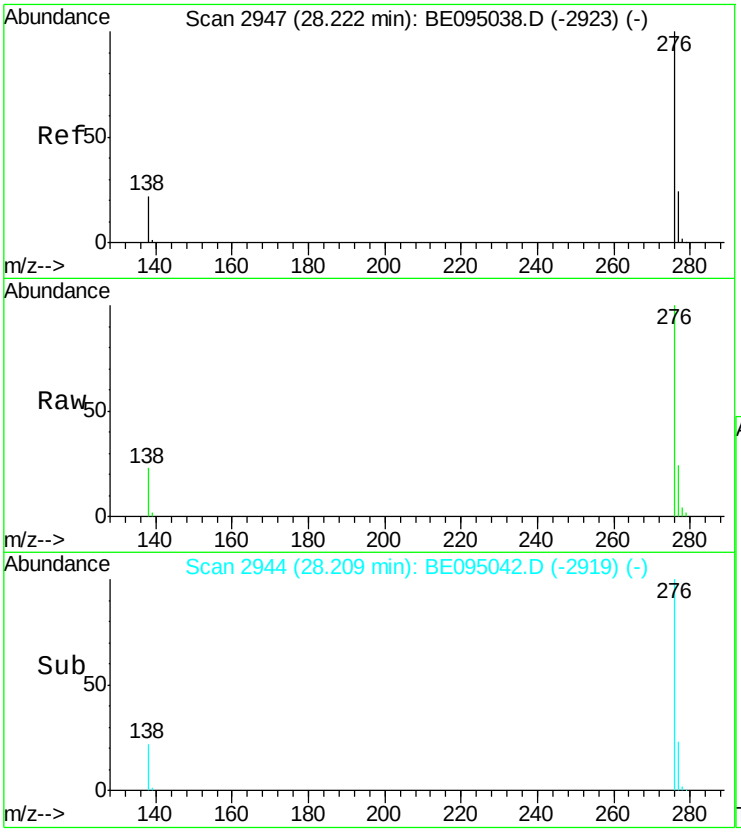


#38
Dibenzo(a,h)anthracene
Concen: 0.271 ng
RT: 27.35 min Scan# 2756
Delta R.T. -0.08 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:278 Resp: 12909

Ion	Ratio	Lower	Upper
278	100		
139	18.3	16.0	24.0
279	25.5	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.302 ng
RT: 28.21 min Scan# 2944
Delta R.T. -0.09 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB105289BSD

Tgt Ion:276 Resp: 14307

Ion	Ratio	Lower	Upper
276	100		
277	23.8	16.0	24.0
138	23.4	20.0	30.0