Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE012318\
Data File : BE095098.D
Acq On : 23 Jan 2018 15:39
Operator : SJ/JU
Sample : PB105797BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB105797BS

Quant Time: Jan 24 01:09:07 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE012318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 15:47:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6484	0.40	ng		0.00
7) Naphthalene-d8	11.31	136	13716	0.40	ng		0.00
13) Acenaphthene-d10	15.03	164	6764	0.40	ng		0.00
19) Phenanthrene-d10	17.74	188	15745	0.40	ng		0.00
27) Chrysene-d12	21.84	240	16369	0.40	ng		0.00
34) Perylene-d12	24.49	264	13322	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.94	112	3618	0.34	ng		0.00
5) Phenol-d6	7.58	99	4899	0.31	ng		0.00
8) Nitrobenzene-d5	9.63	82	4614	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.83	152	7904	0.35	ng		0.00
14) 2,4,6-Tribromophenol	16.50	330	537	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.68	172	13127	0.44	ng		0.00
25) Fluoranthene-d10	19.72	212	75327	0.38	ng		0.00
29) Terphenyl-d14	20.28	244	14695	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.67	88	1926	0.302	ng	#	59
3) n-Nitrosodimethylamine	4.01	42	2565	0.337	ng	#	96
6) bis(2-Chloroethyl)ether	7.86	93	5027	0.339	ng		90
9) Naphthalene	11.34	128	57158	0.364	ng		99
10) Hexachlorobutadiene	11.61	225	2570	0.365	ng		98
12) 2-Methylnaphthalene	12.91	142	9467	0.352	ng		98
16) Acenaphthylene	14.76	152	12410	0.343	ng		99
17) Acenaphthene	15.10	154	8251	0.350	ng		95
18) Fluorene	16.07	166	10352	0.352	ng	#	79
20) 4-Bromophenyl-phenylether	16.94	248	3394	0.366	ng	#	78
21) Hexachlorobenzene	17.05	284	3434	0.369	ng	#	83
22) Pentachlorophenol	17.40	266	1089	0.561	ng	#	76
23) Phenanthrene	17.79	178	18306	0.376	ng		99
24) Anthracene	17.88	178	16070	0.370	ng		96
26) Fluoranthene	19.75	202	22093	0.378	ng		98
28) Pyrene	20.10	202	22187	0.321	ng		95
30) Benzo(a)anthracene	21.82	228	18295	0.357	ng		95
31) Chrysene	21.87	228	20105	0.388	ng		99
32) Bis(2-ethylhexyl)phthalate	21.70	149	19974	0.280	ng		100
33) Indeno(1,2,3-cd)pyrene	27.32	276	16894	0.359	ng		96
35) Benzo(b)fluoranthene	23.67	252	17854	0.378	ng	#	89
36) Benzo(k)fluoranthene	23.72	252	18260	0.378	ng		96
37) Benzo(a)pyrene	24.37	252	16334	0.377	ng		94
38) Dibenzo(a,h)anthracene	27.34	278	12944	0.355	ng		97
39) Benzo(g,h,i)perylene	28.19	276	15082	0.381	ng		92

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

Quantitation Report (QT Reviewed)

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Data File : BE095098.D
Acq On : 23 Jan 2018 15:39
Operator : SJ/JU
Sample : PB105797BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 24 01:09:07 2018
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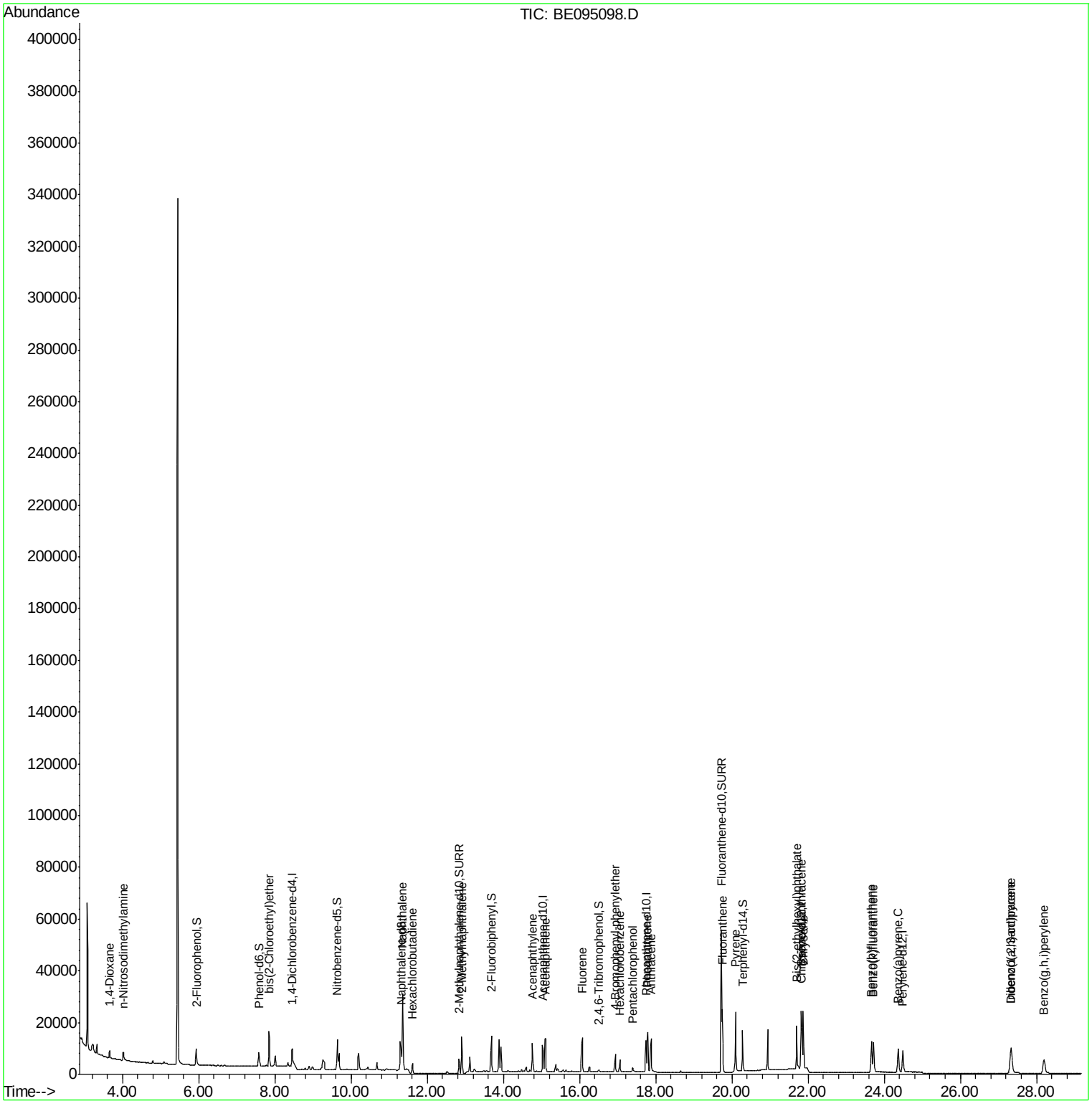
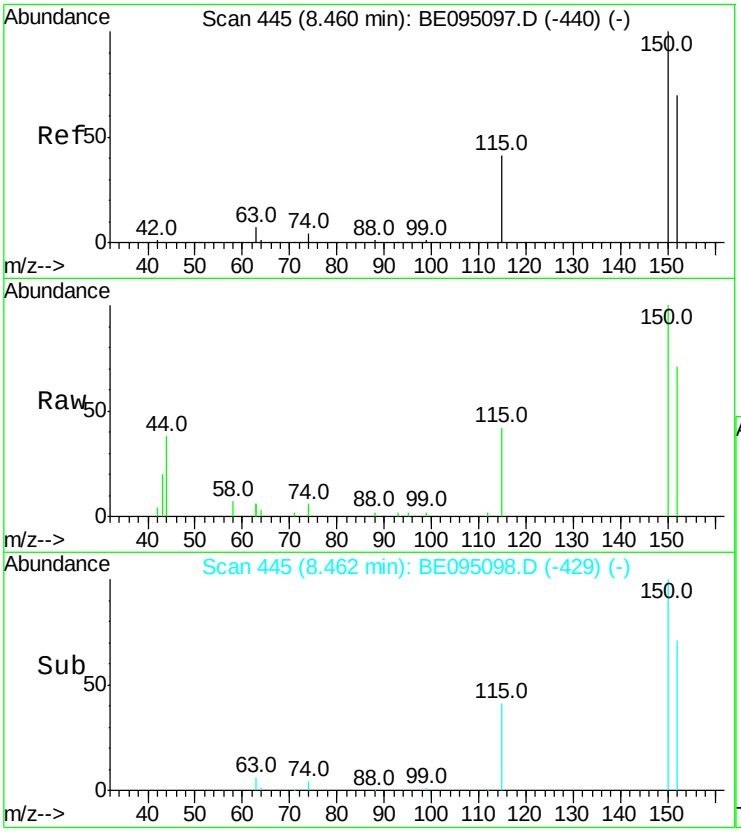
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 15:47:25 2018
Response via : Initial Calibration



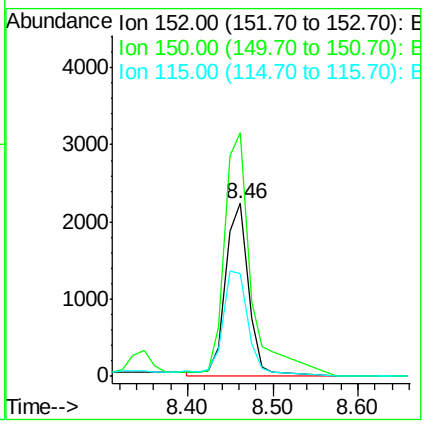


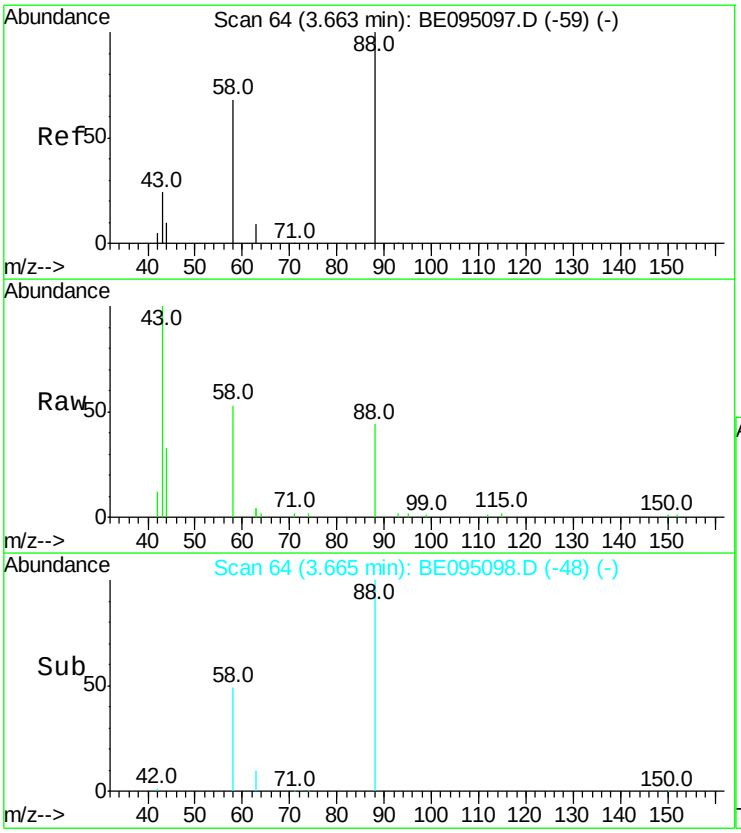
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:152 Resp: 6484

Ion	Ratio	Lower	Upper
152	100		
150	140.7	117.2	175.8
115	59.3	57.0	85.6

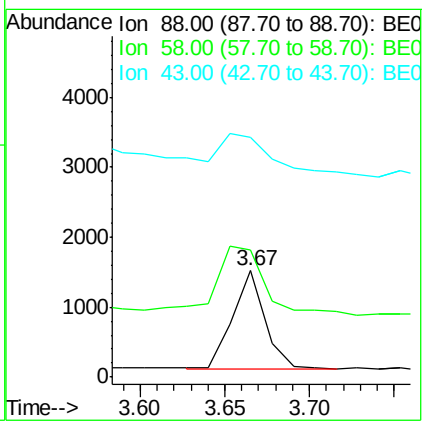


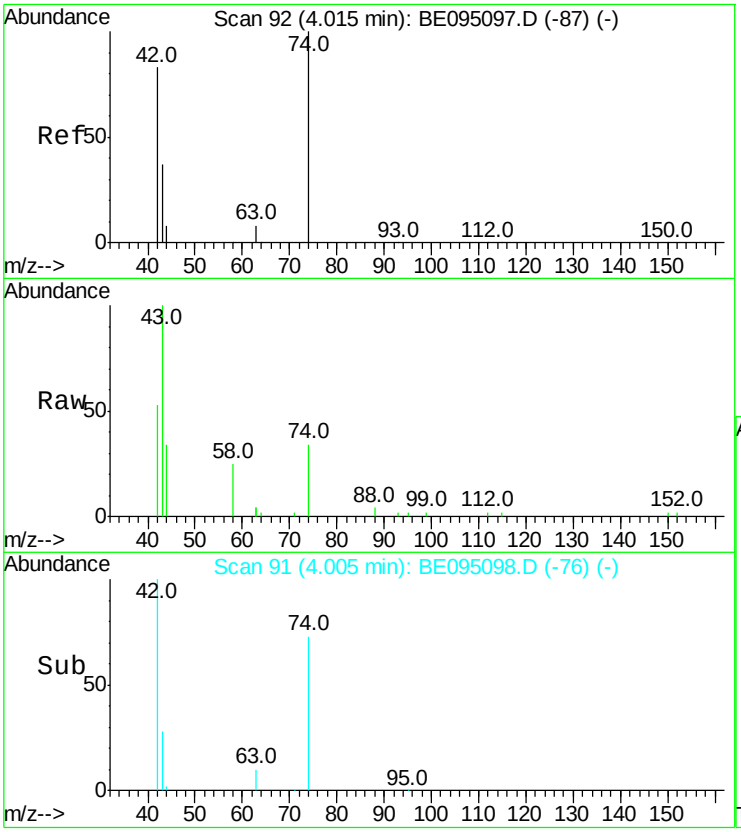


#2
1,4-Dioxane
Concen: 0.302 ng
RT: 3.67 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion: 88 Resp: 1926

Ion	Ratio	Lower	Upper
88	100		
58	122.4	63.2	94.8#
43	71.9	41.2	61.8#



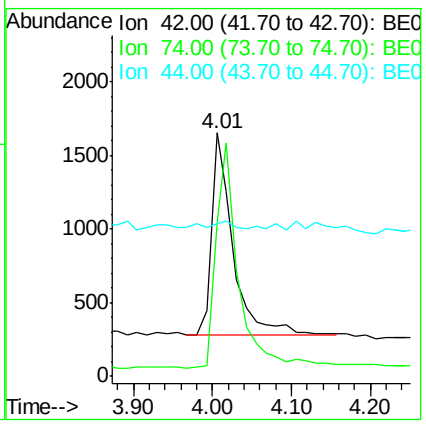


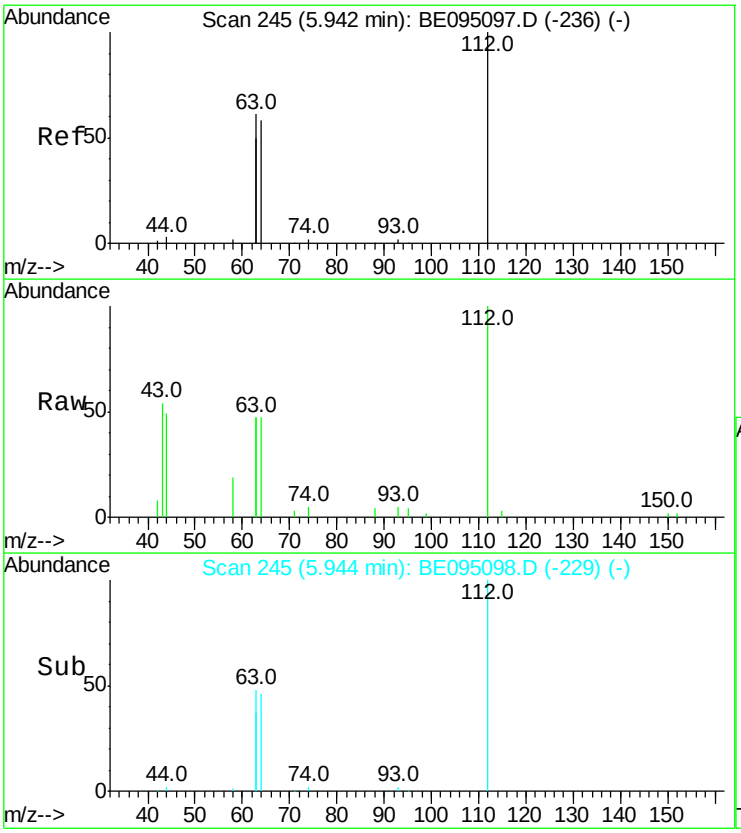
#3
n-Nitrosodimethylamine
Concen: 0.337 ng
RT: 4.01 min Scan# 91
Delta R.T. -0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion: 42 Resp: 2565

Ion	Ratio	Lower	Upper
42	100		
74	118.9	96.0	144.0
44	4.1	12.0	18.0#

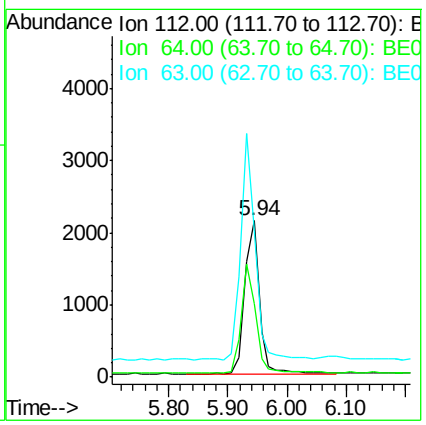


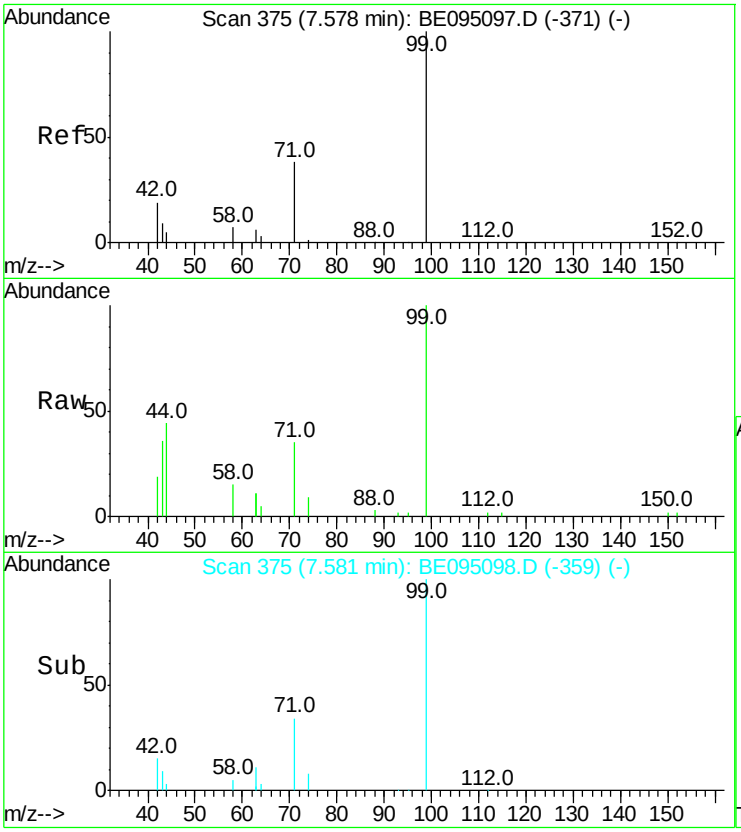


#4
2-Fluorophenol
Concen: 0.345 ng
RT: 5.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:112 Resp: 3618

Ion	Ratio	Lower	Upper
112	100		
64	68.0	60.1	90.1
63	143.1	116.8	175.2



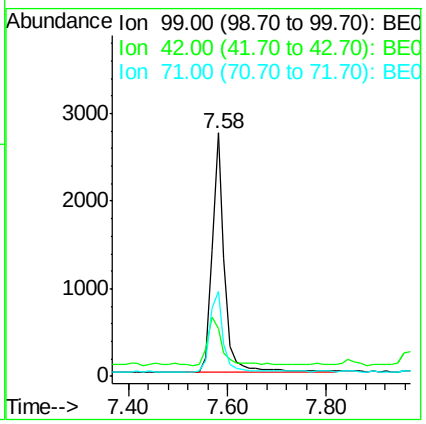


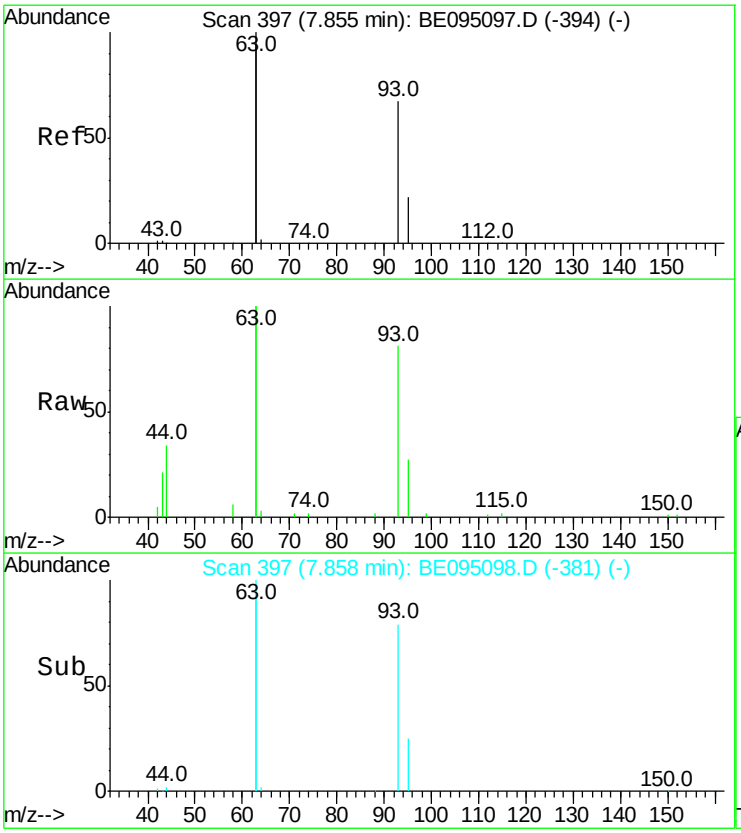
#5
Phenol-d6
Concen: 0.308 ng
RT: 7.58 min Scan# 375
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion: 99 Resp: 4899

Ion	Ratio	Lower	Upper
99	100		
42	24.2	20.2	30.2
71	36.9	28.4	42.6

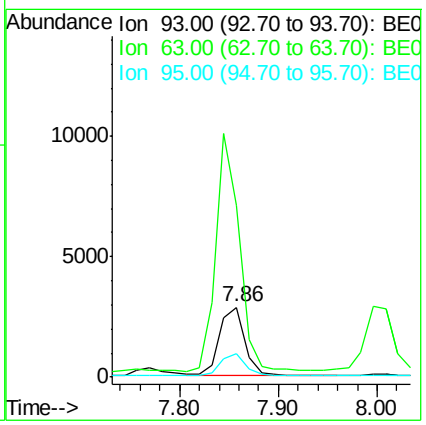


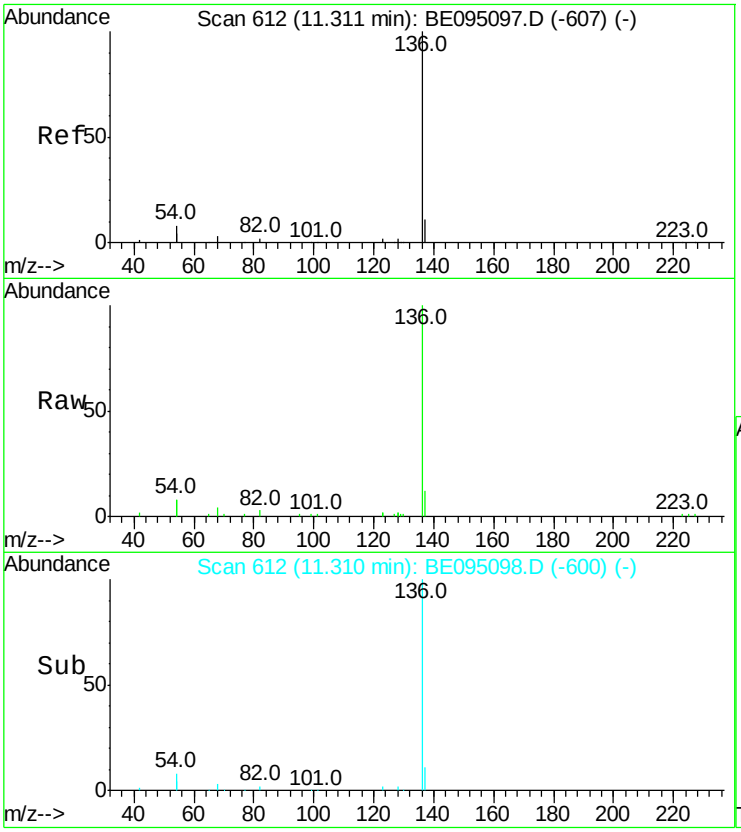


#6
bis(2-Chloroethyl)ether
Concen: 0.339 ng
RT: 7.86 min Scan# 397
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion: 93 Resp: 5027

Ion	Ratio	Lower	Upper
93	100		
63	321.8	275.3	412.9
95	32.1	25.2	37.8



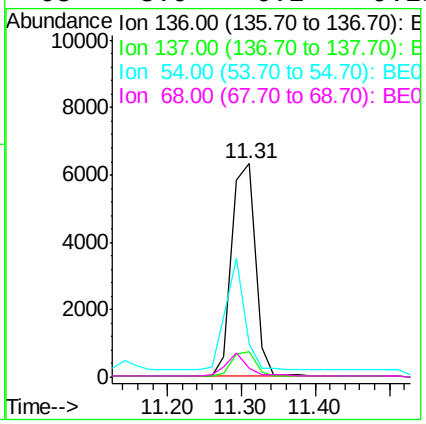


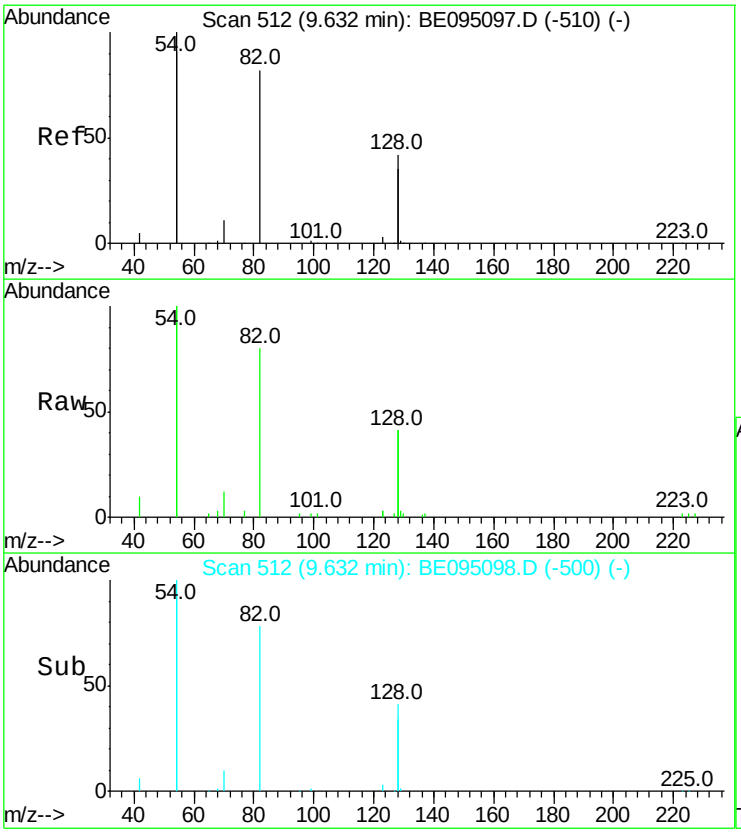
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:136 Resp: 13716

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	15.9	29.1	43.7#
68	3.9	6.2	9.2#

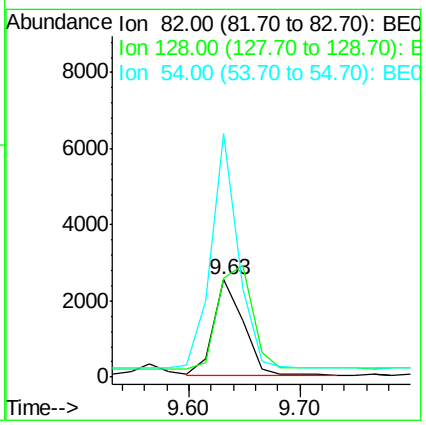


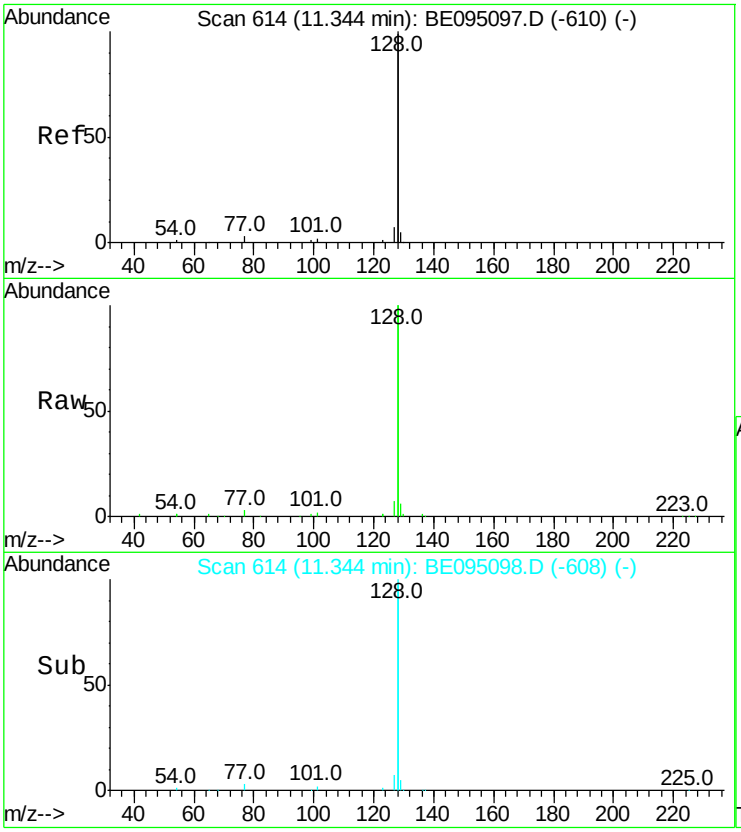


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion: 82 Resp: 4614

Ion	Ratio	Lower	Upper
82	100		
128	101.4	150.0	225.0#
54	249.5	154.2	231.4#



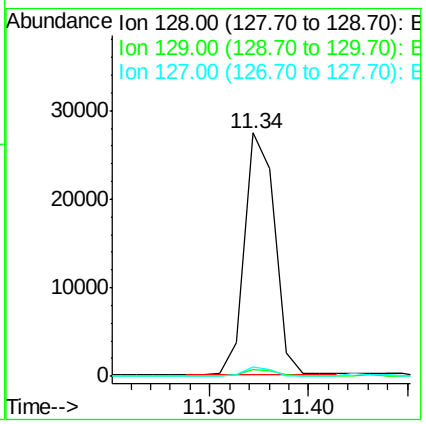


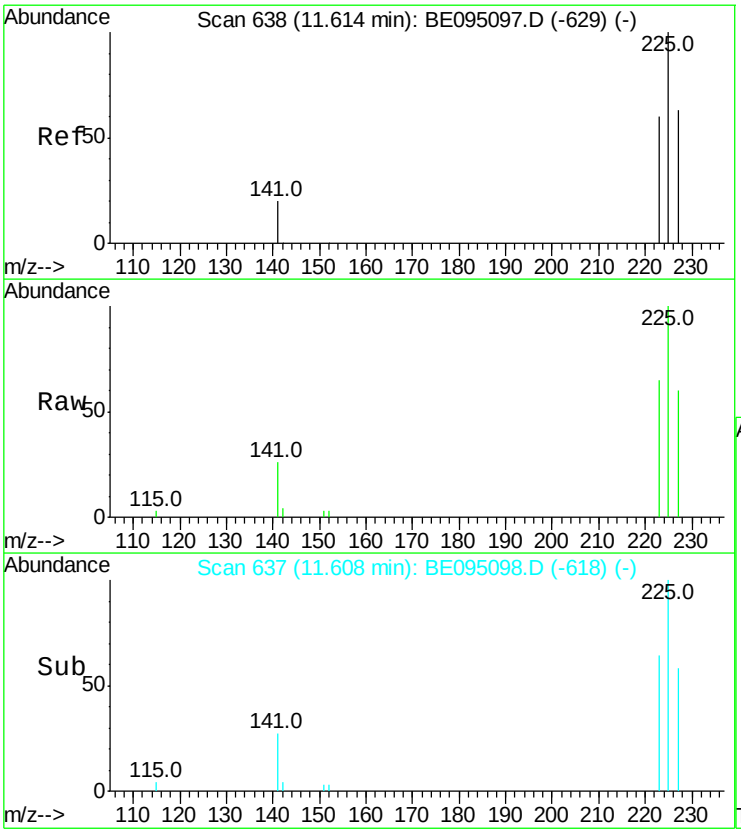
#9
Naphthalene
Concen: 0.364 ng
RT: 11.34 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:128 Resp: 57158

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.6	2.8	4.2

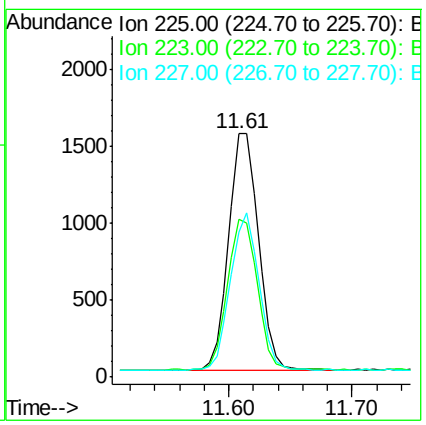


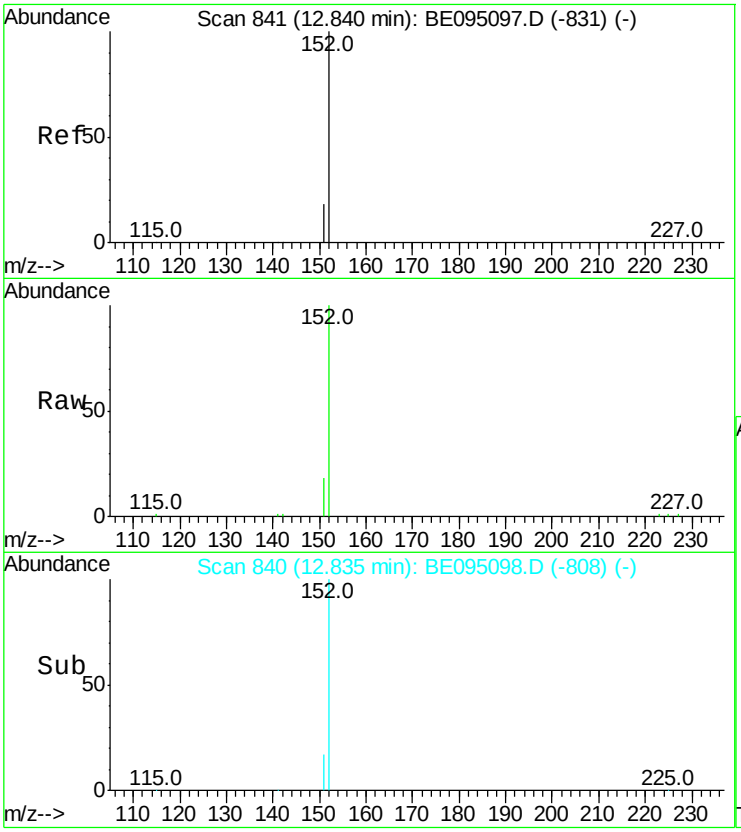


#10
Hexachlorobutadiene
Concen: 0.365 ng
RT: 11.61 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:225 Resp: 2570

Ion	Ratio	Lower	Upper
225	100		
223	63.5	53.0	79.6
227	63.8	51.4	77.2



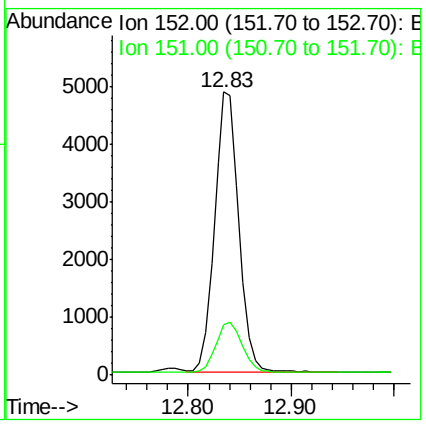


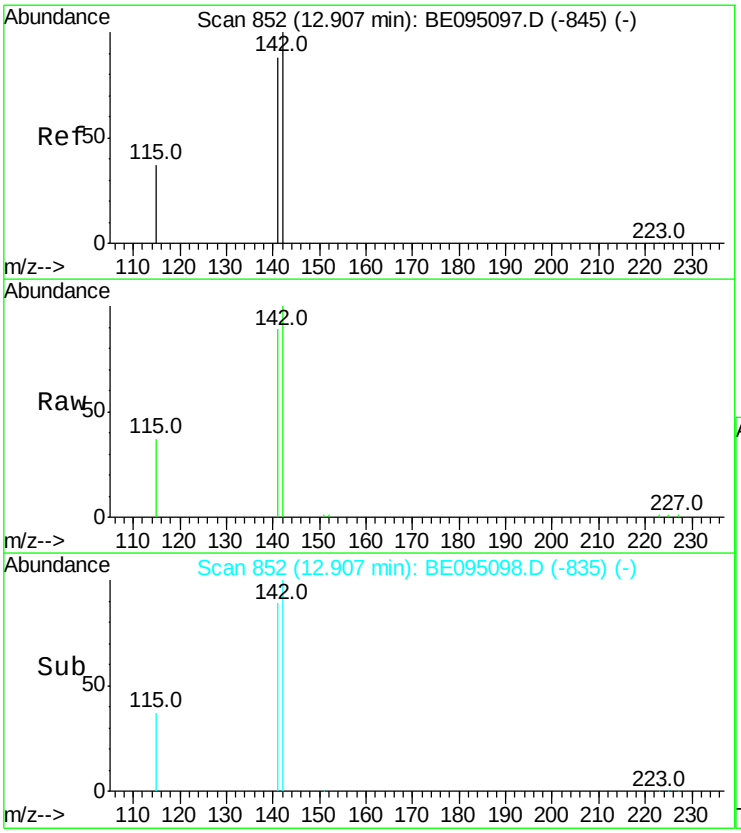
#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:152 Resp: 7904

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0

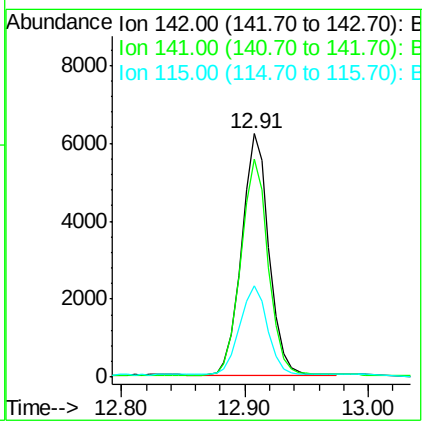


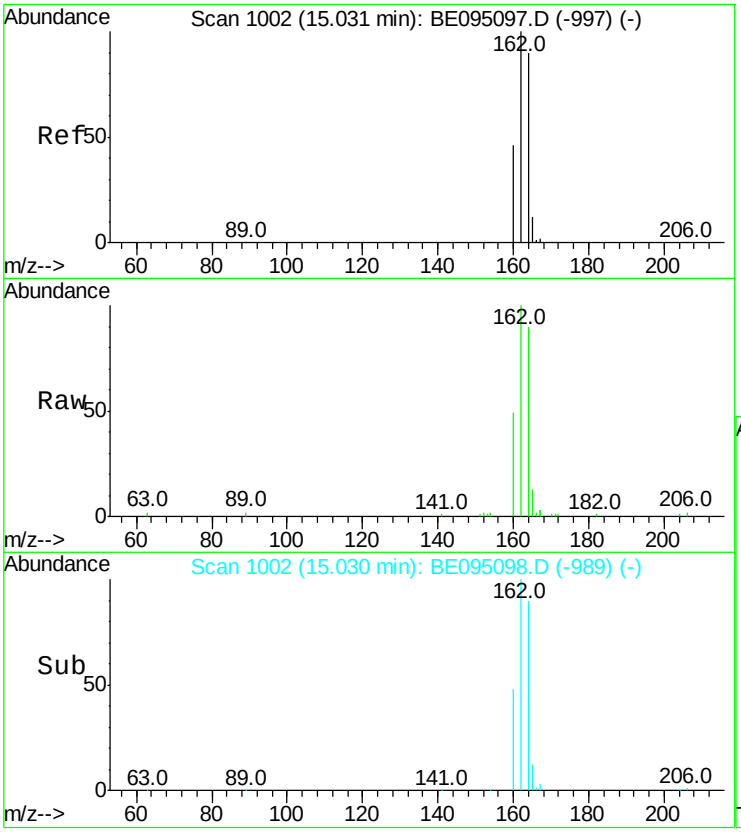


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 12.91 min Scan# 852
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:142 Resp: 9467

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.4	105.6
115	37.3	31.7	47.5



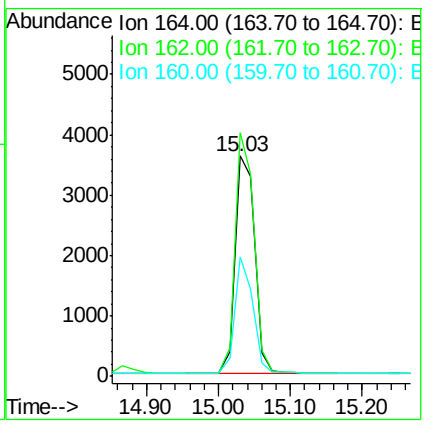


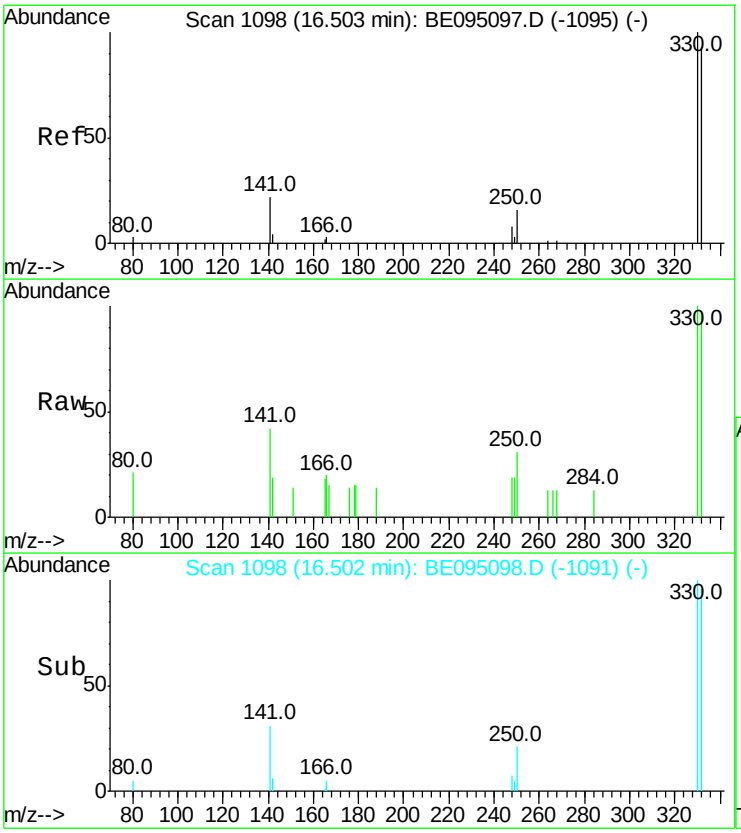
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.03 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:164 Resp: 6764

Ion	Ratio	Lower	Upper
164	100		
162	110.7	83.1	124.7
160	54.1	37.1	55.7

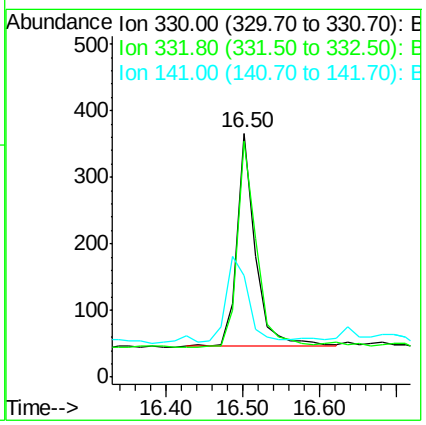


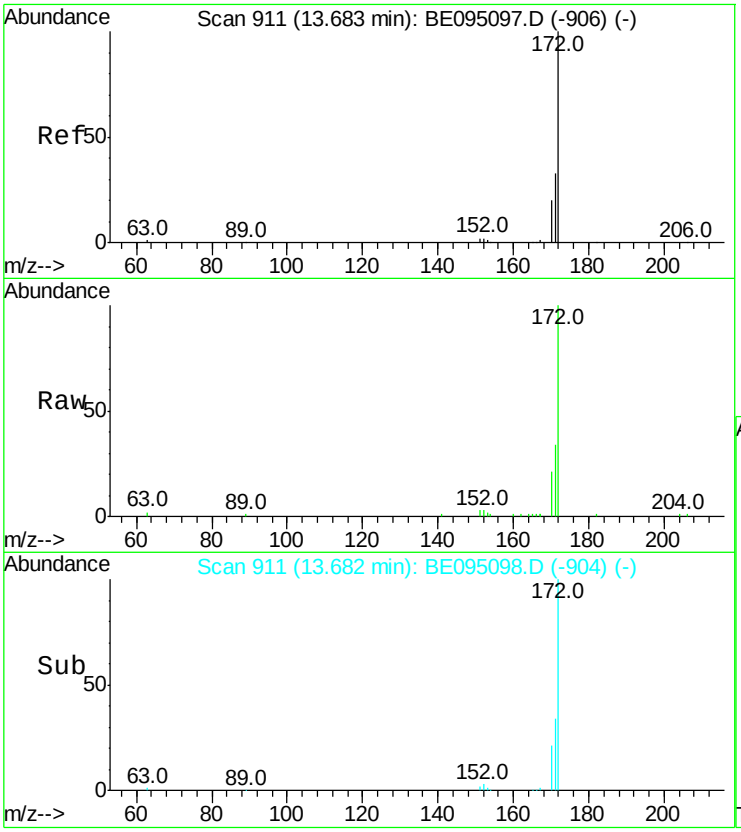


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 16.50 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:330 Resp: 537

Ion	Ratio	Lower	Upper
330	100		
332	102.4	152.7	229.1#
141	49.0	33.7	50.5



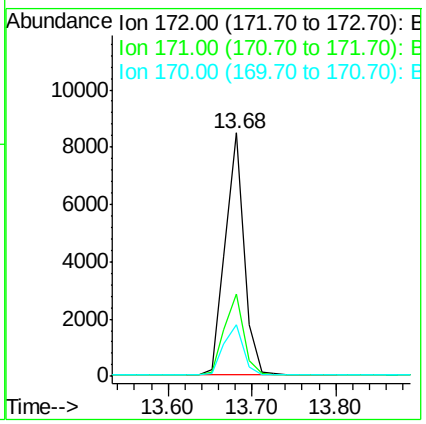


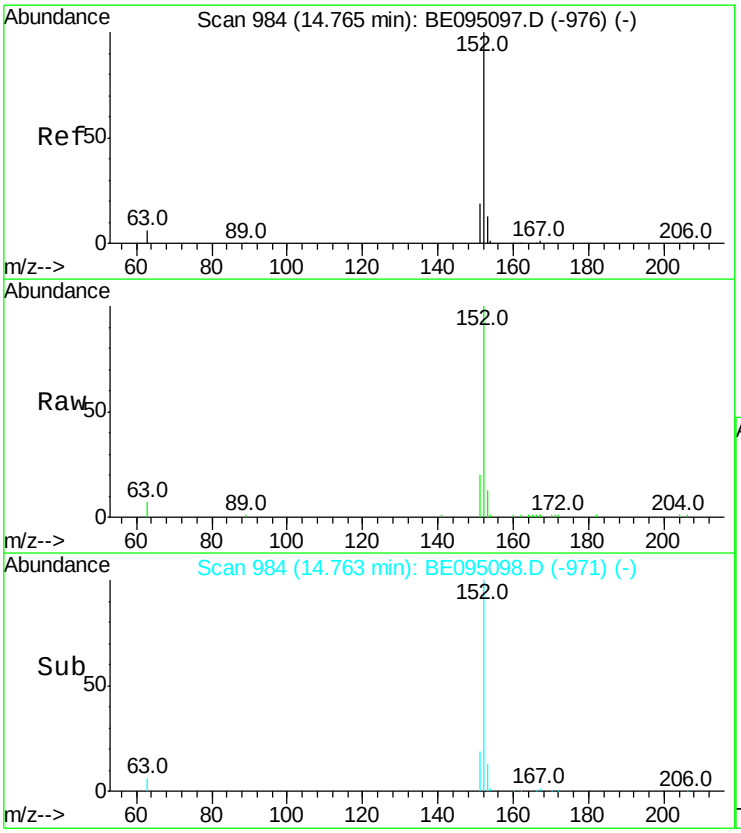
#15
2-Fluorobiphenyl
Concen: 0.442 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:172 Resp: 13127

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.9	44.9
170	21.0	21.8	32.8#

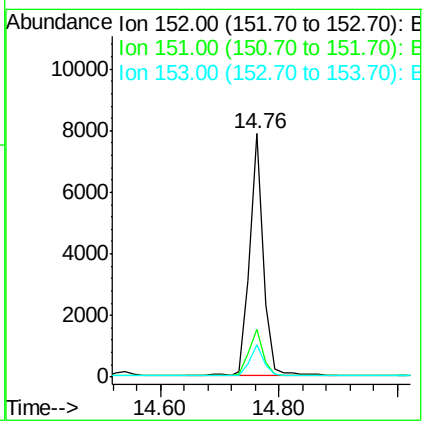


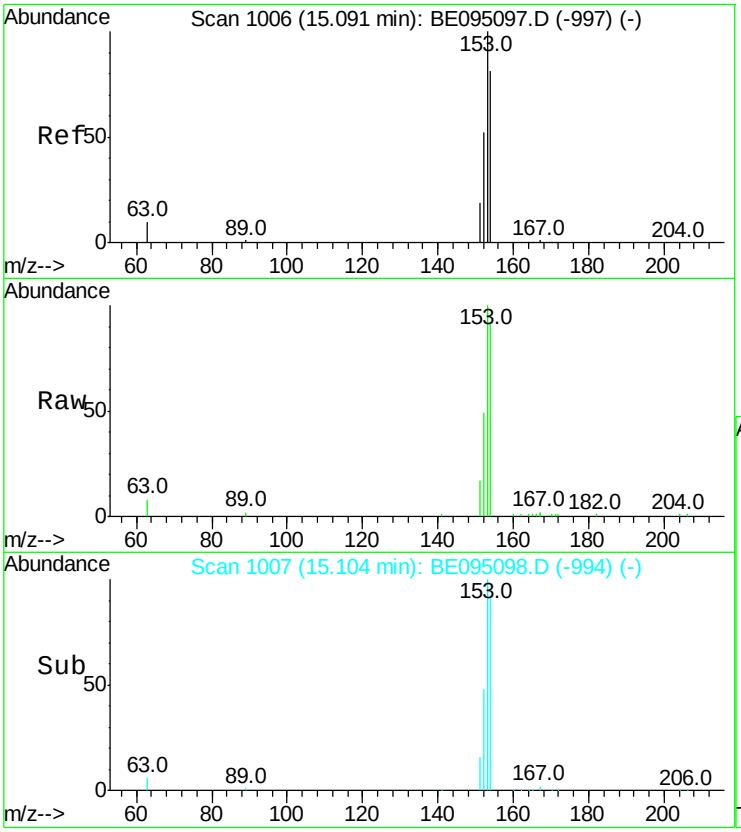


#16
Acenaphthylene
Concen: 0.343 ng
RT: 14.76 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:152 Resp: 12410

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.0	10.5	15.7



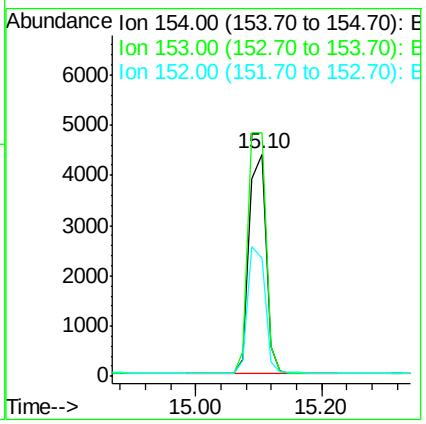


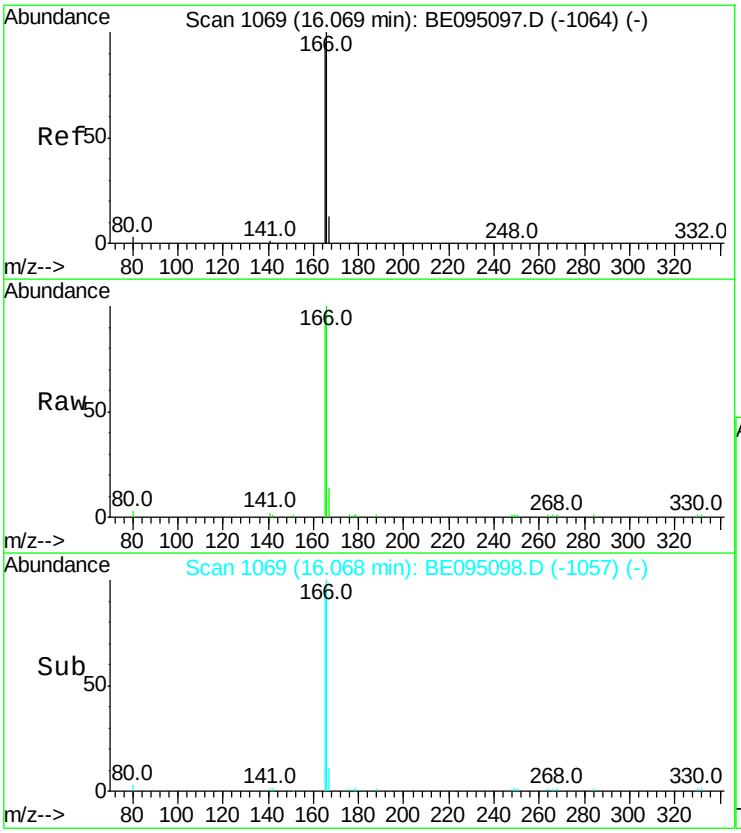
#17
Acenaphthene
Concen: 0.350 ng
RT: 15.10 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:154 Resp: 8251

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.2	133.8
152	58.5	42.0	63.0

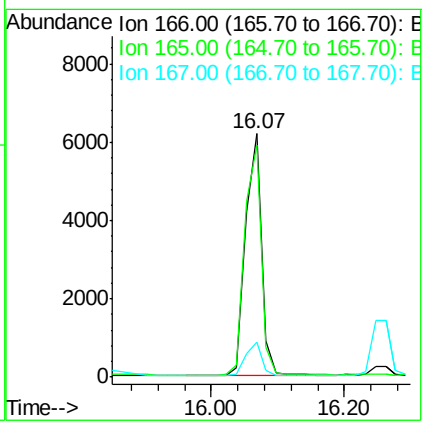


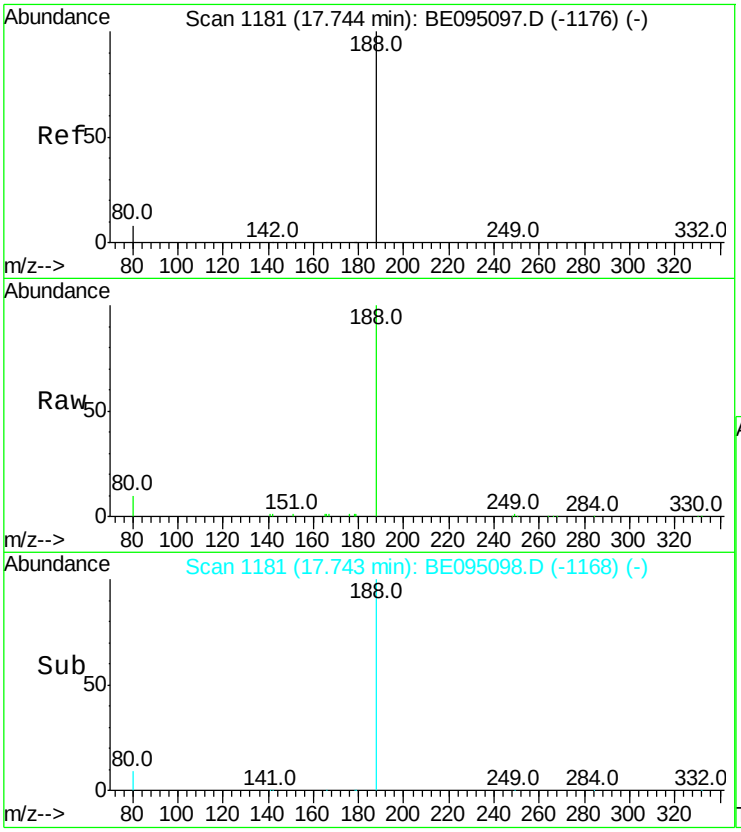


#18
Fluorene
Concen: 0.352 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:166 Resp: 10352

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.6
167	13.7	42.4	63.6#



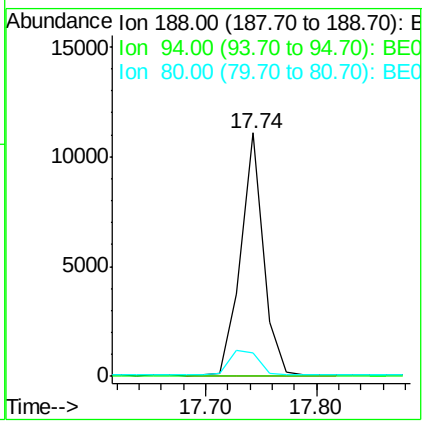


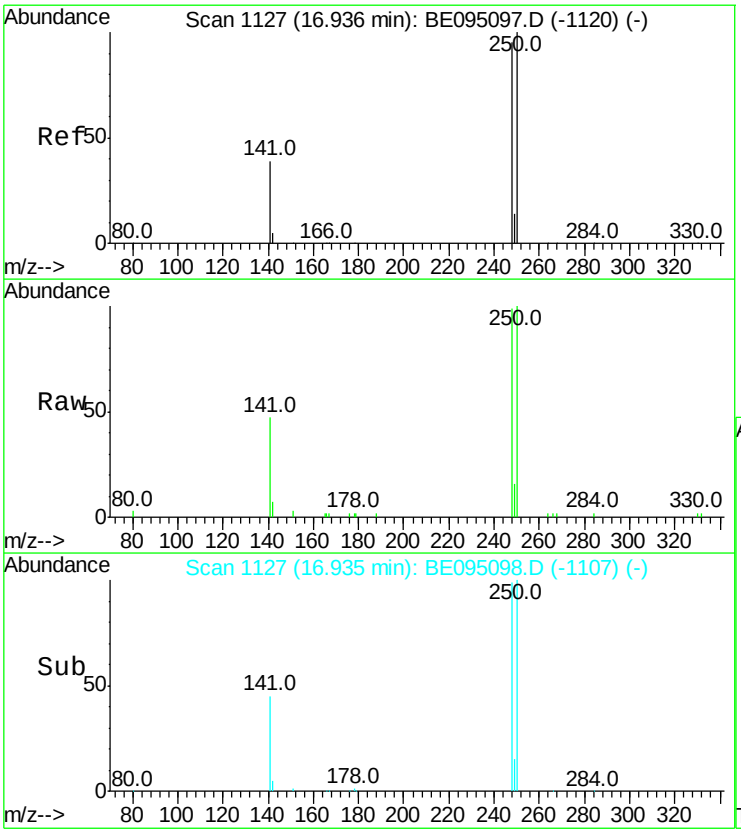
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:188 Resp: 15745

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

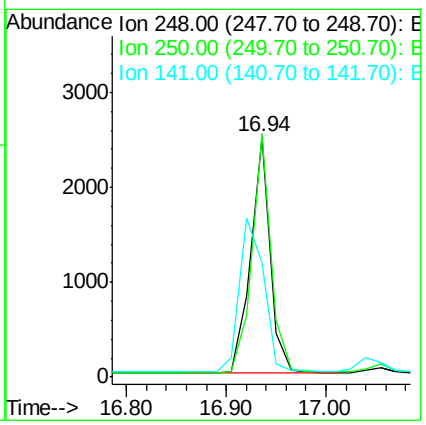


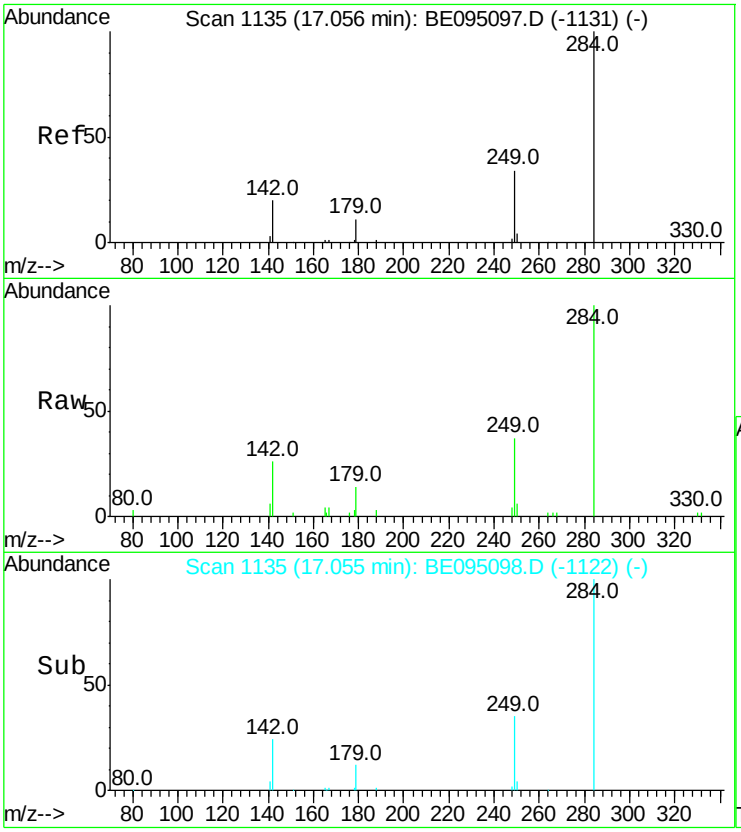


#20
4-Bromophenyl-phenylether
Concen: 0.366 ng
RT: 16.94 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:248 Resp: 3394

Ion	Ratio	Lower	Upper
248	100		
250	101.3	62.7	94.1#
141	47.5	48.2	72.2#



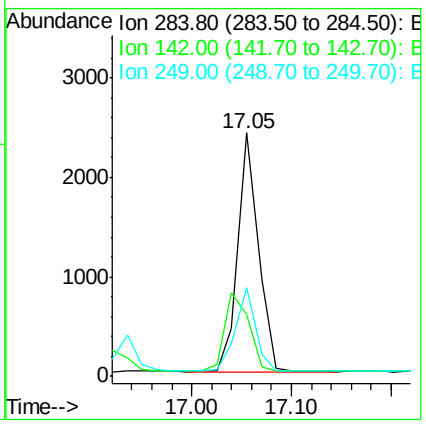


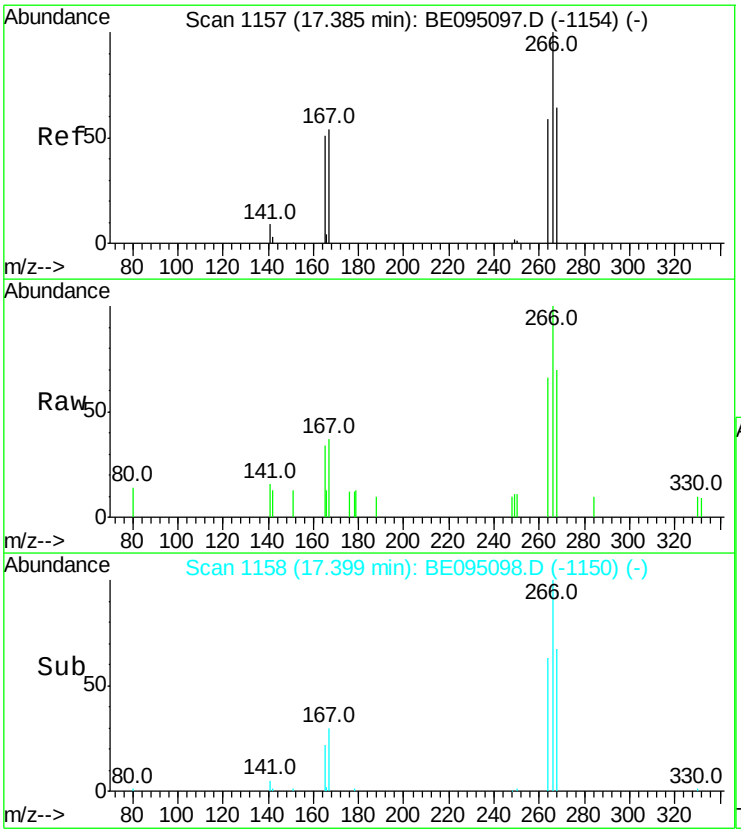
#21
Hexachlorobenzene
Concen: 0.369 ng
RT: 17.05 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:284 Resp: 3434

Ion	Ratio	Lower	Upper
284	100		
142	39.2	22.1	33.1#
249	34.8	34.8	52.2#

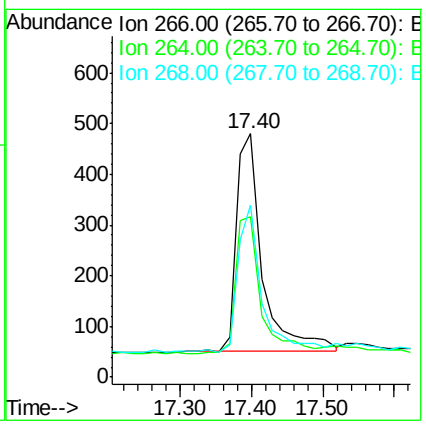


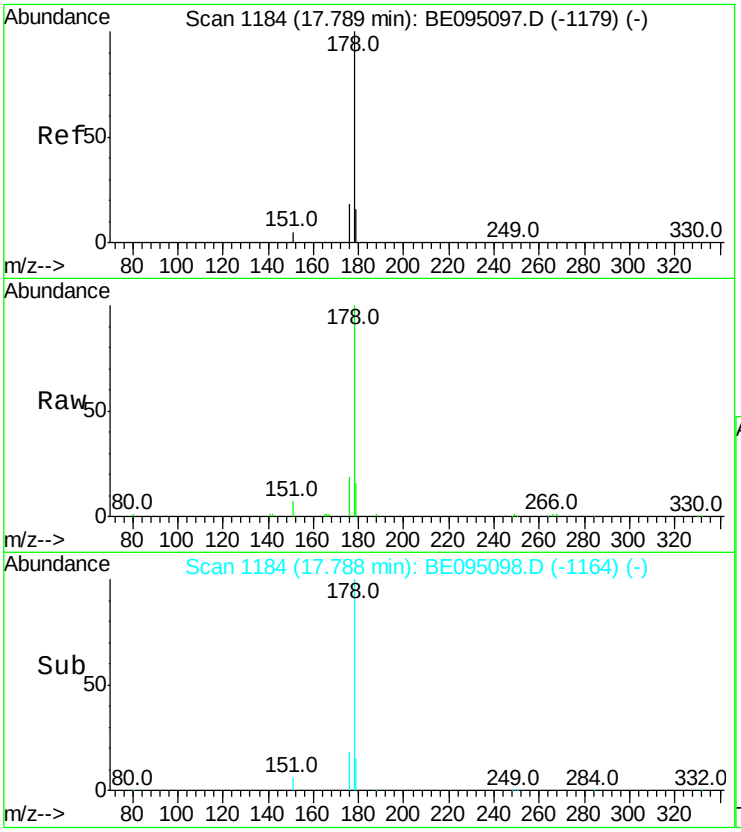


#22
Pentachlorophenol
Concen: 0.561 ng
RT: 17.40 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:266 Resp: 1089

Ion	Ratio	Lower	Upper
266	100		
264	66.0	72.5	108.7#
268	70.4	73.8	110.6#



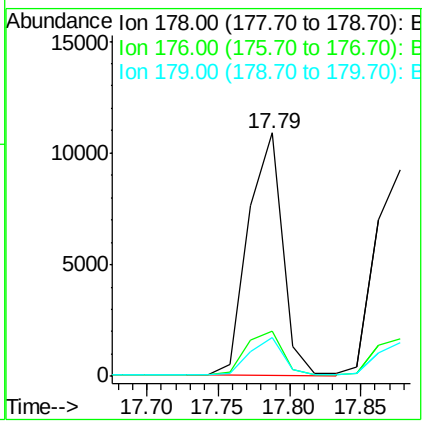


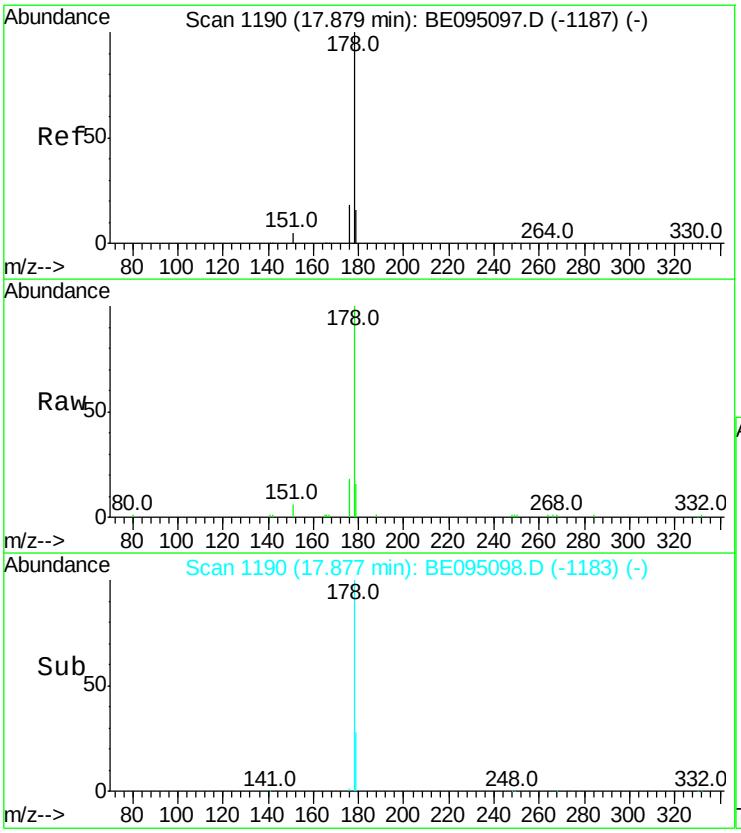
#23
Phenanthrene
Concen: 0.376 ng
RT: 17.79 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:178 Resp: 18306

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	14.6	11.8	17.6

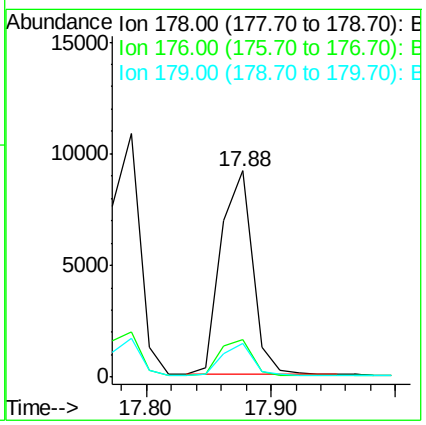


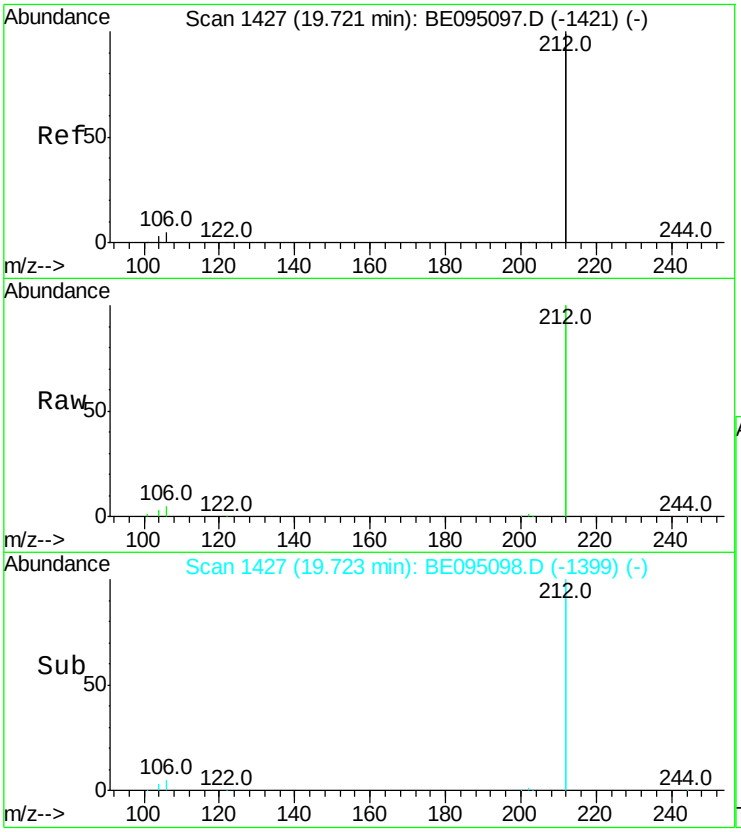


#24
Anthracene
Concen: 0.370 ng
RT: 17.88 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:178 Resp: 16070

Ion	Ratio	Lower	Upper
178	100		
176	18.0	12.8	19.2
179	15.2	13.0	19.6



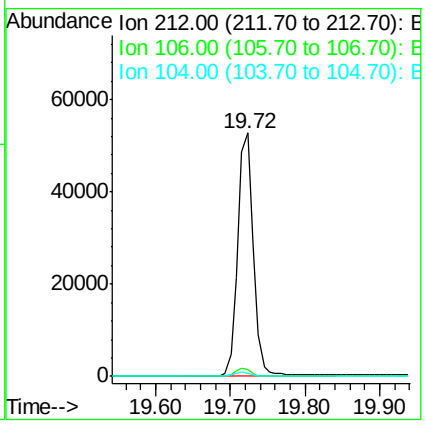


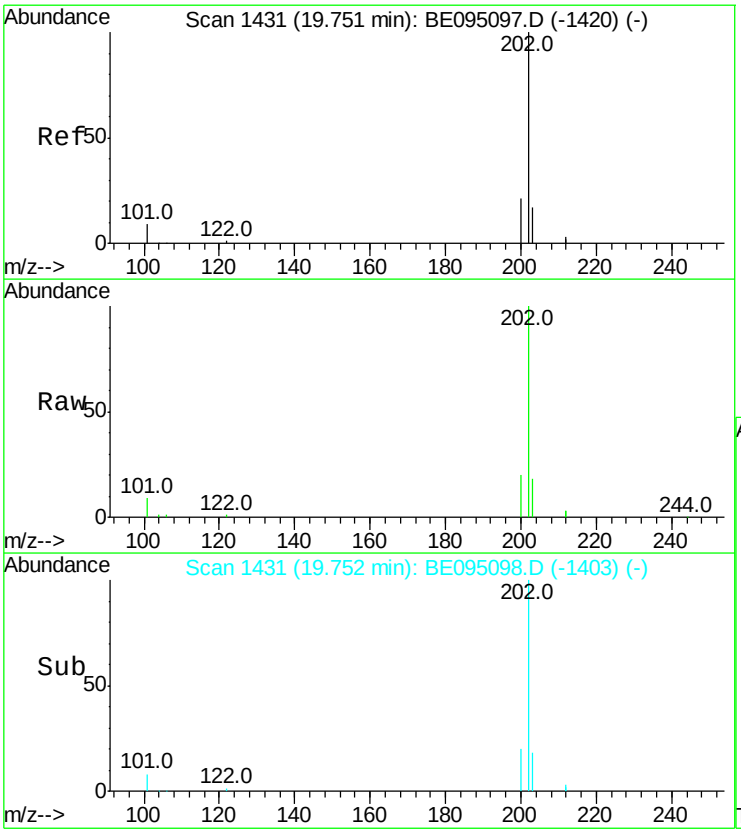
#25
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.72 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:212 Resp: 75327

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.8	1.6	2.4

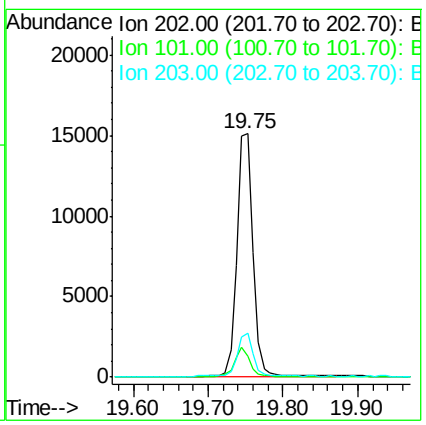


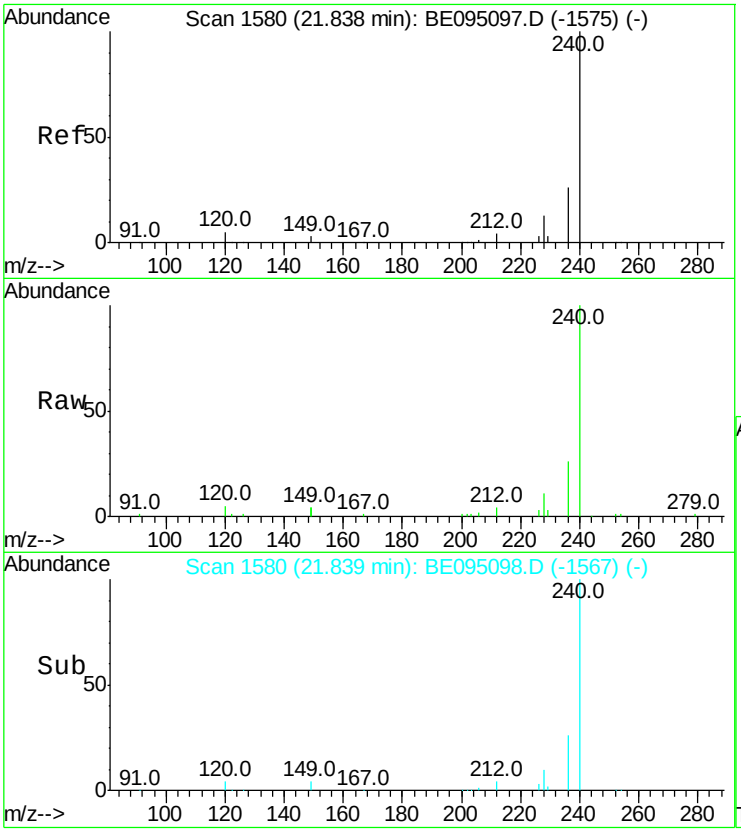


#26
Fluoranthene
Concen: 0.378 ng
RT: 19.75 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:202 Resp: 22093

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
203	16.8	13.7	20.5



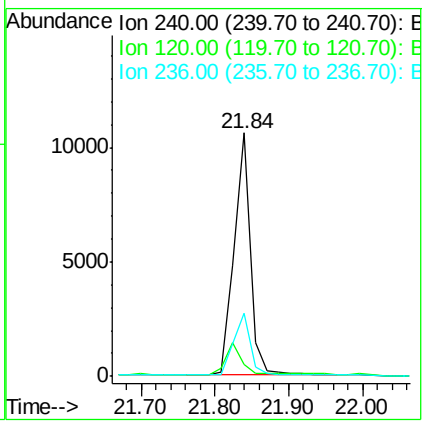


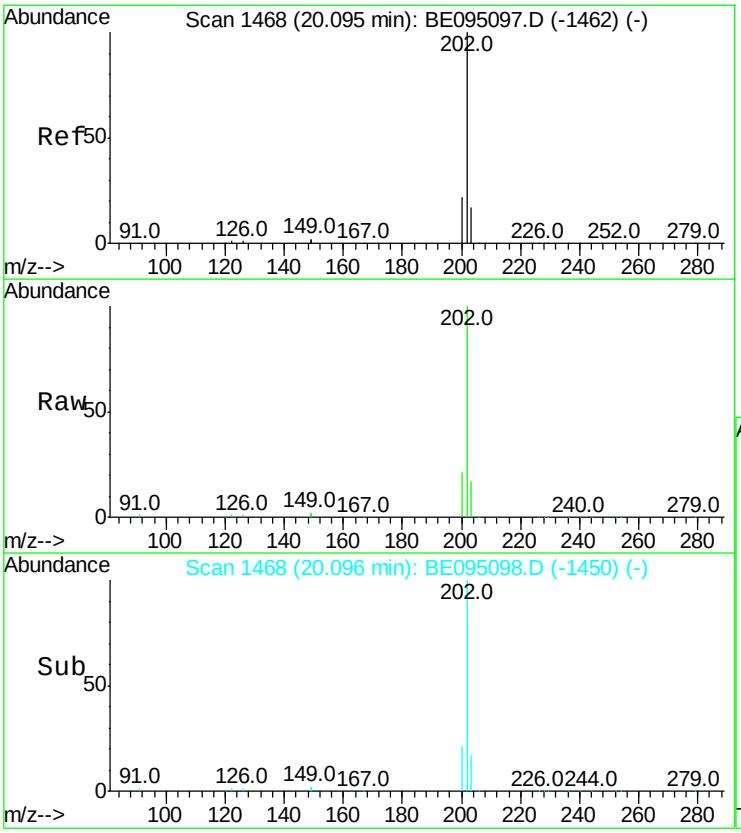
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:240 Resp: 16369

Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.5	8.3#
236	26.1	20.7	31.1

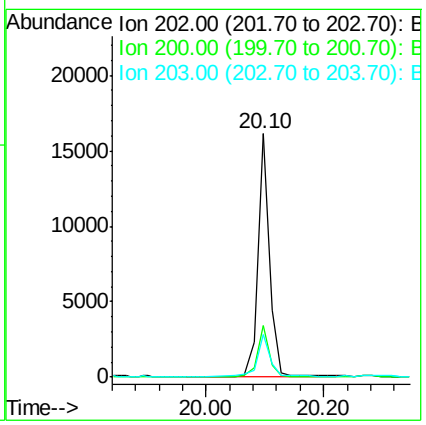


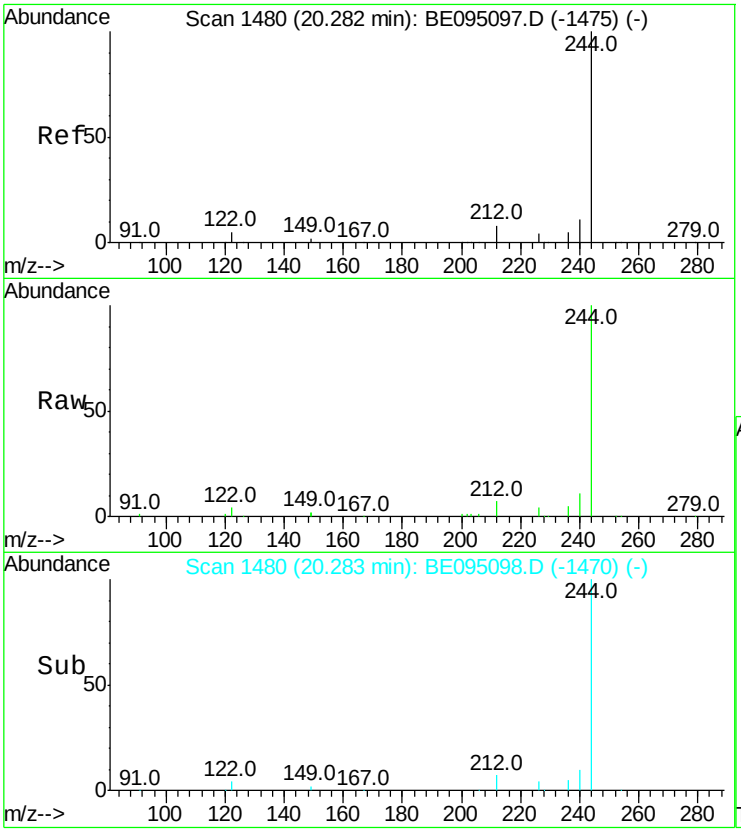


#28
Pyrene
Concen: 0.321 ng
RT: 20.10 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:202 Resp: 22187

Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.6	25.0
203	19.3	13.8	20.8



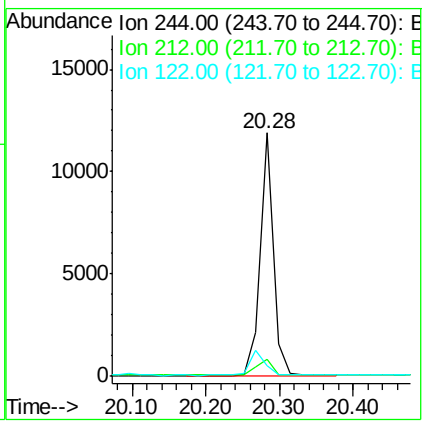


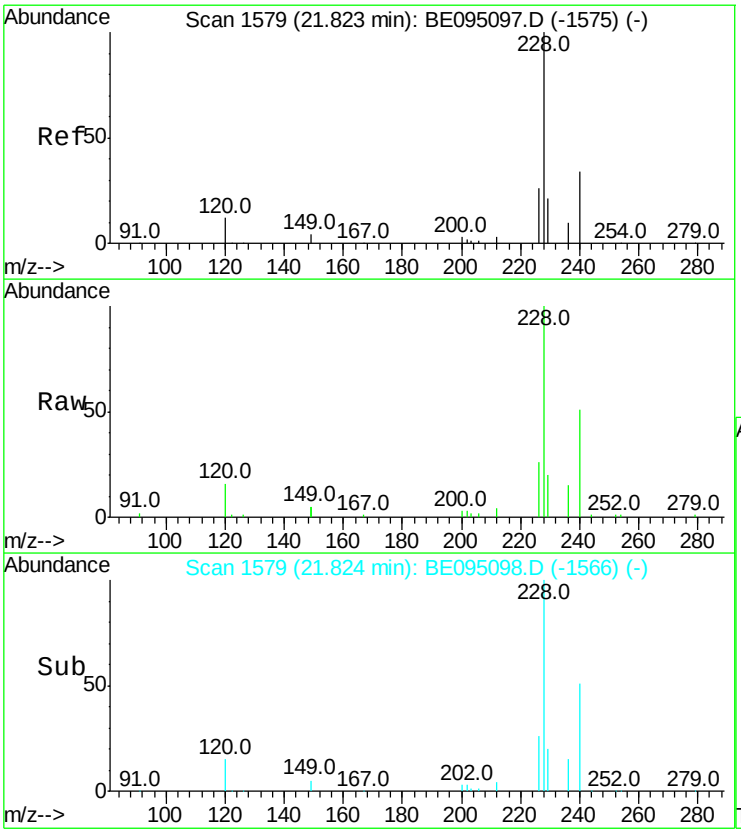
#29
Terphenyl-d14
Concen: 0.439 ng
RT: 20.28 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:244 Resp: 14695

Ion	Ratio	Lower	Upper
244	100		
212	6.9	25.4	38.0#
122	4.1	8.1	12.1#

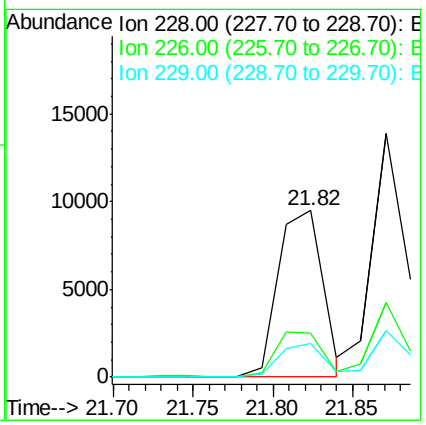


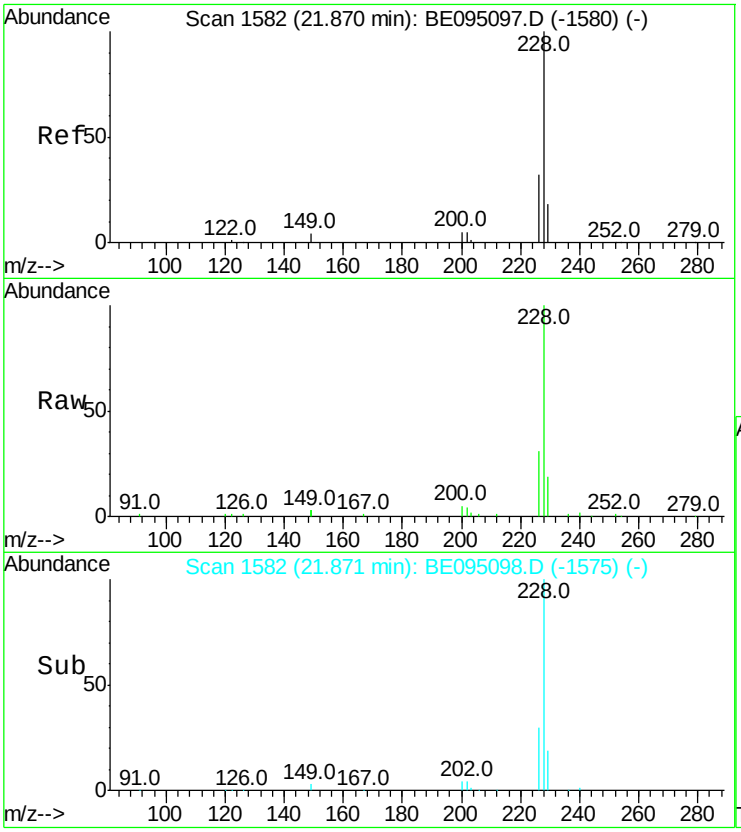


#30
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.82 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:228 Resp: 18295

Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.0	36.0
229	20.3	16.0	24.0



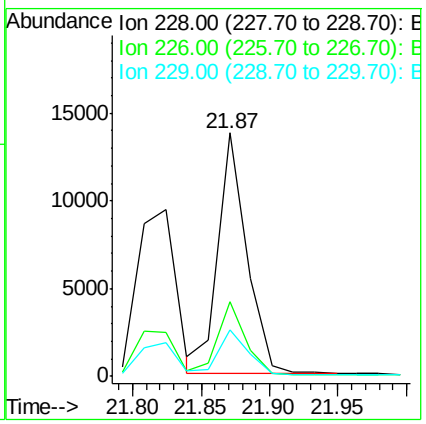


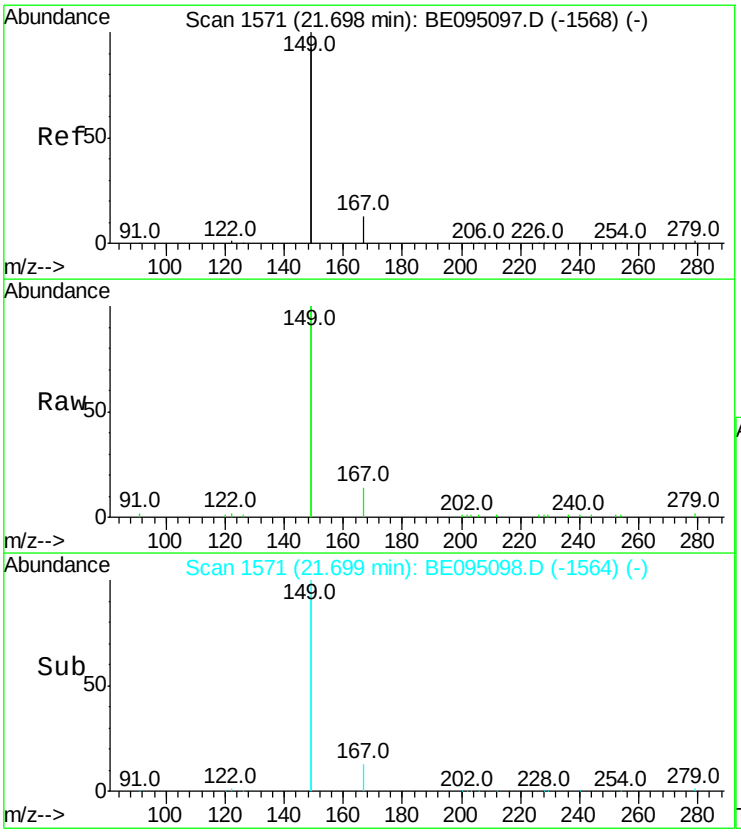
#31
Chrysene
Concen: 0.388 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:228 Resp: 20105

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	19.2	16.0	24.0

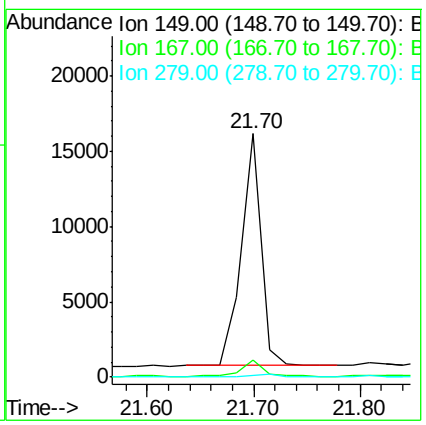


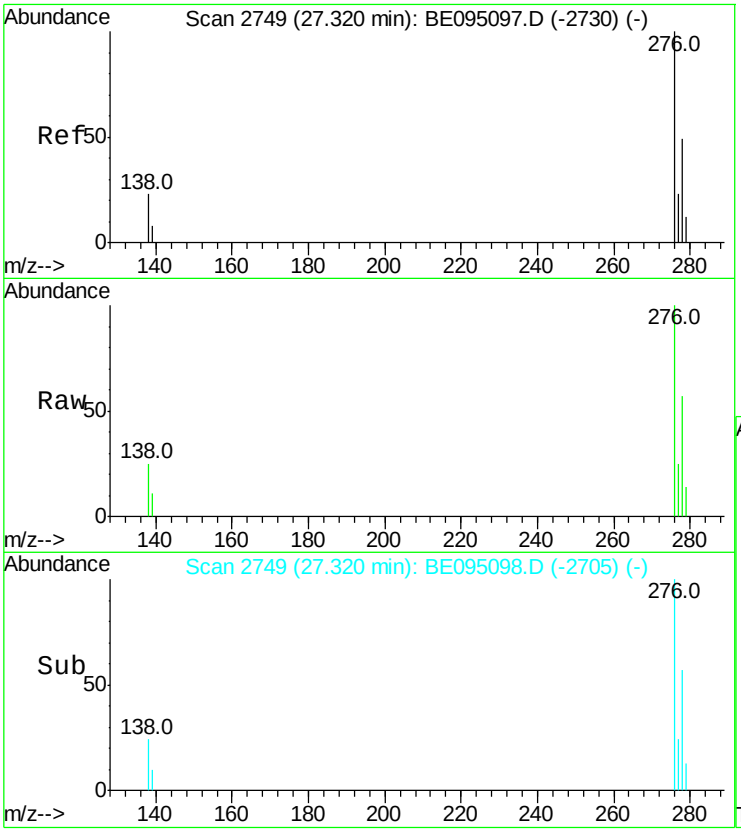


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng
RT: 21.70 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:149 Resp: 19974

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.8	0.7	1.1



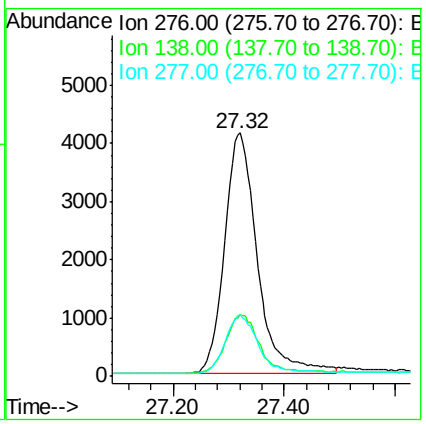


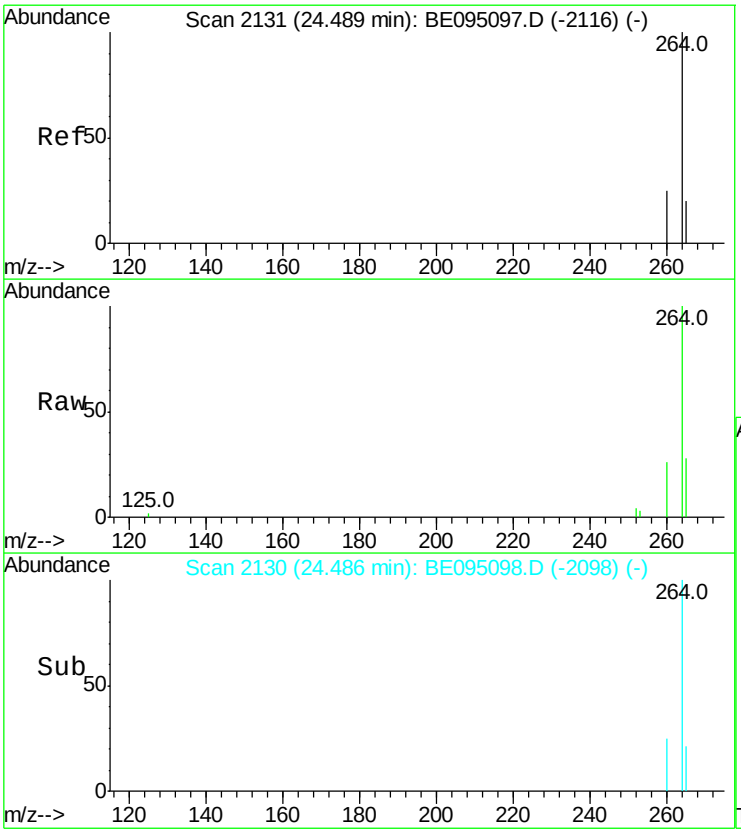
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.359 ng
RT: 27.32 min Scan# 2749
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:276 Resp: 16894

Ion	Ratio	Lower	Upper
276	100		
138	24.9	22.5	33.7
277	24.2	19.9	29.9

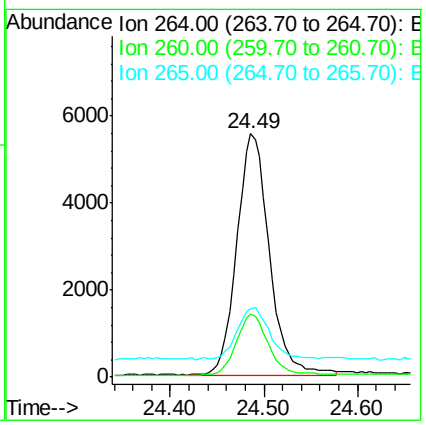


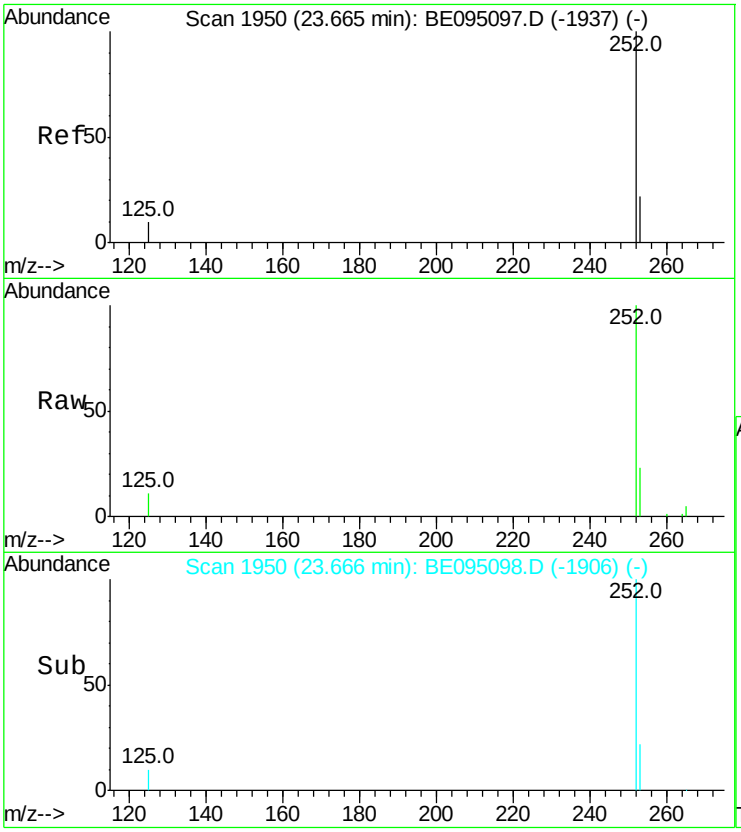


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.49 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:264 Resp: 13322

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.5	30.7
265	28.3	22.8	34.2



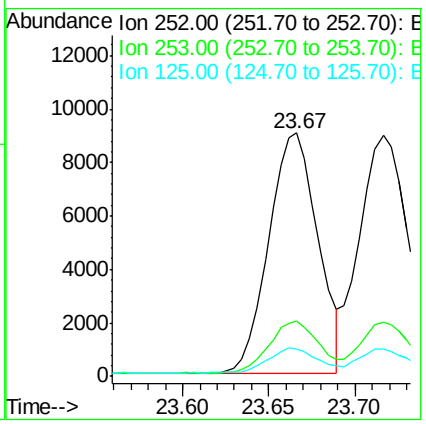


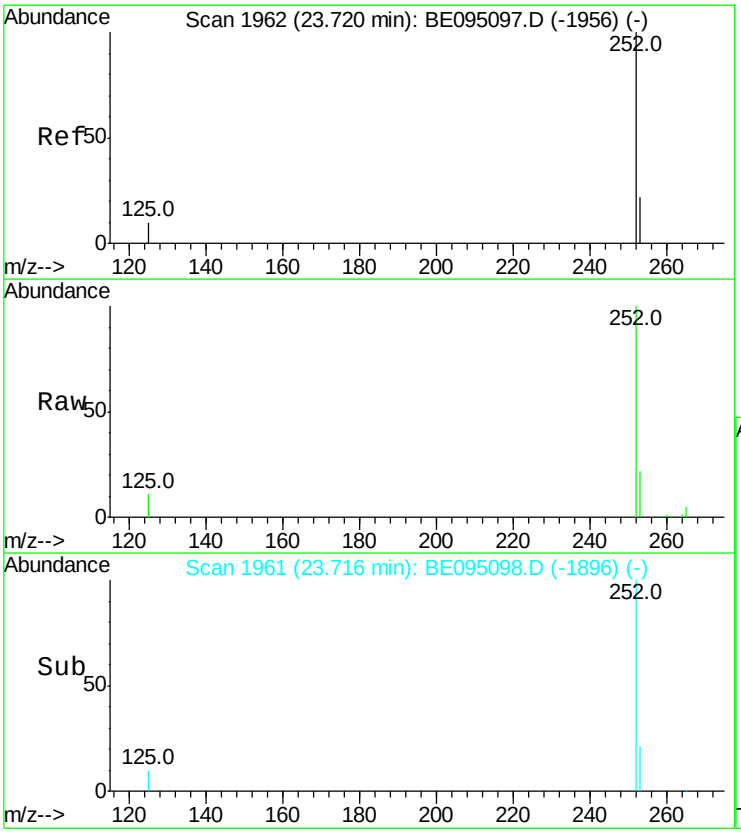
#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.67 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:252 Resp: 17854

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.0	30.0
125	11.4	16.0	24.0#

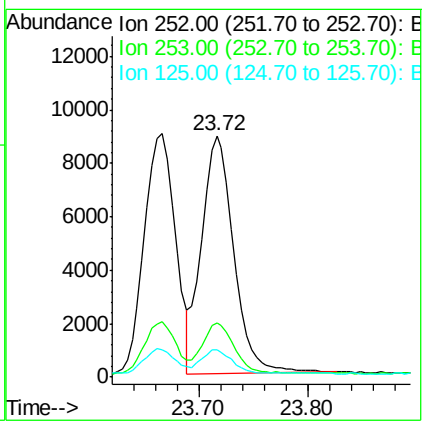


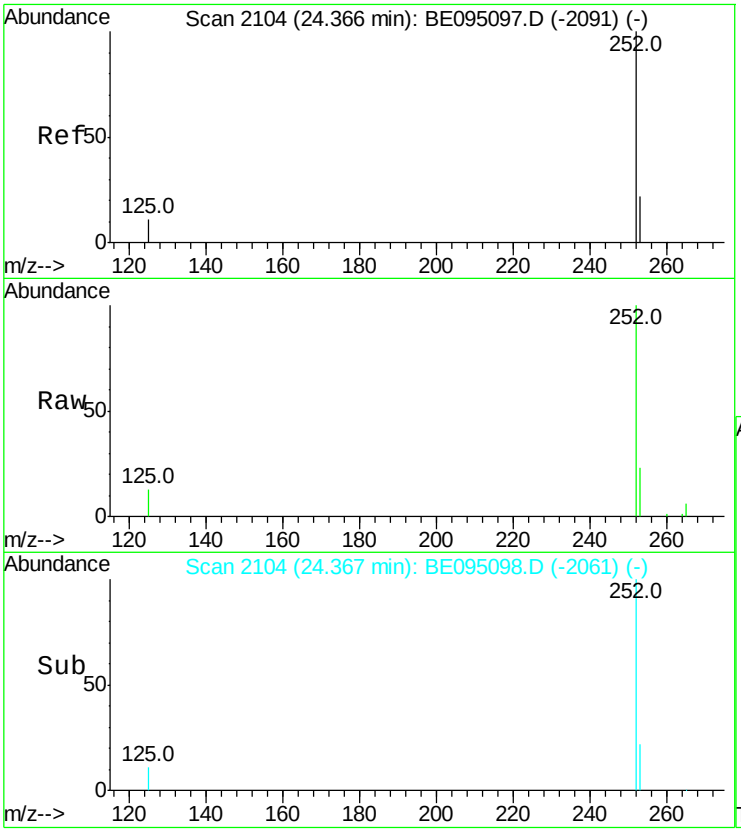


#36
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 23.72 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:252 Resp: 18260

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.0	24.0
125	11.2	8.0	12.0



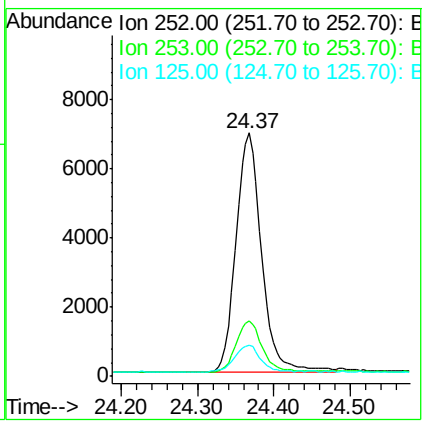


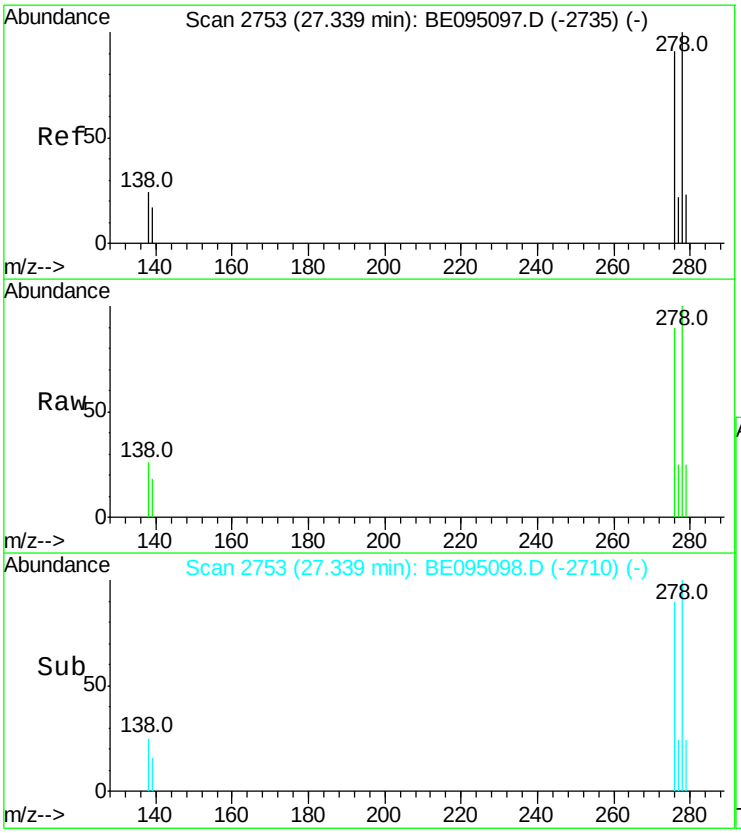
#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 24.37 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:252 Resp: 16334

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	12.8	12.0	18.0

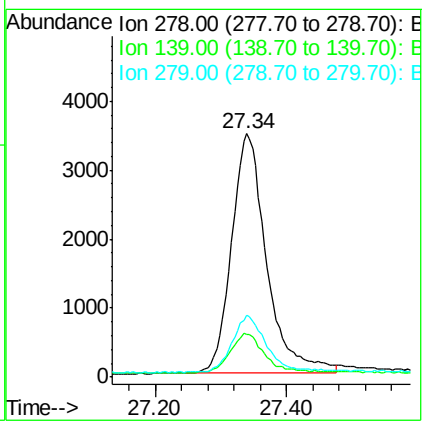


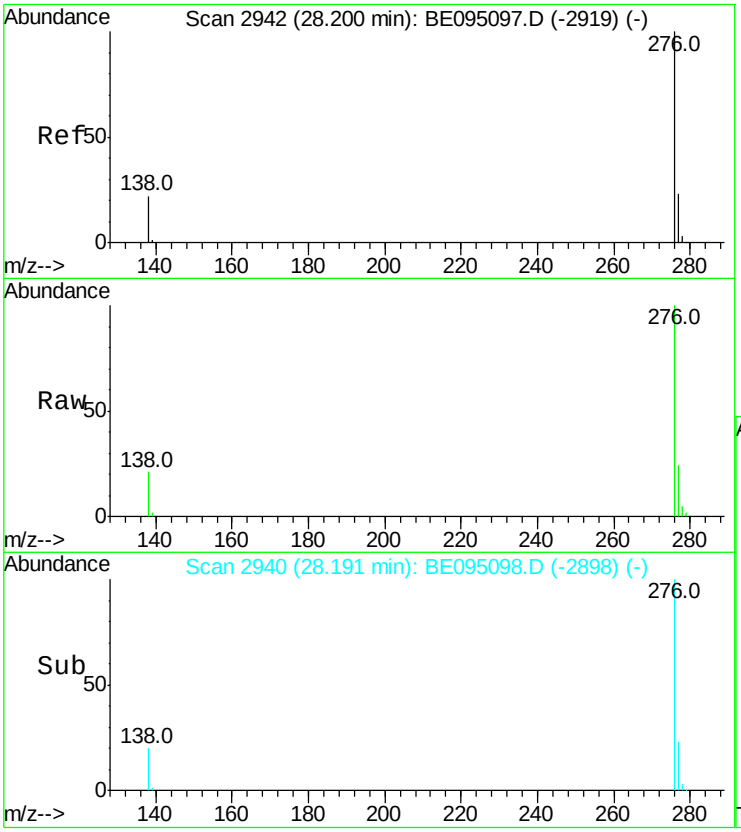


#38
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 27.34 min Scan# 2753
Delta R.T. -0.00 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Tgt Ion:278 Resp: 12944

Ion	Ratio	Lower	Upper
278	100		
139	17.5	16.0	24.0
279	25.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 28.19 min Scan# 2940
Delta R.T. -0.01 min
Lab File: BE095098.D
Acq: 23 Jan 2018 15:39

Instrument :
BNA_E
ClientSampleId :
PB105797BS

Tgt Ion:276 Resp: 15082

Ion	Ratio	Lower	Upper
276	100		
277	23.7	16.0	24.0
138	21.2	20.0	30.0