Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022318\
Data File : BE095678.D
Acq On : 23 Feb 2018 12:08
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE022318

Quant Time: Feb 23 15:55:09 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	1260	0.40	ng		0.00
7) Naphthalene-d8	11.26	136	5017	0.40	ng		-0.02
13) Acenaphthene-d10	15.00	164	2860	0.40	ng		0.00
19) Phenanthrene-d10	17.70	188	6329	0.40	ng		0.00
27) Chrysene-d12	21.79	240	6576	0.40	ng		0.00
34) Perylene-d12	24.42	264	5754	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	1311	0.39	ng		0.00
5) Phenol-d6	7.55	99	1825	0.40	ng		0.00
8) Nitrobenzene-d5	9.60	82	1910	0.37	ng		-0.02
11) 2-Methylnaphthalene-d10	12.80	152	3385	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	385	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	5196	0.41	ng		0.00
25) Fluoranthene-d10	19.69	212	32106	0.39	ng		0.00
29) Terphenyl-d14	20.25	244	5180	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	843	0.42	ng	#	87
3) n-Nitrosodimethylamine	3.99	42	990	0.40	ng		82
6) bis(2-Chloroethyl)ether	7.83	93	1906	0.40	ng		93
9) Naphthalene	11.31	128	23338	0.40	ng		99
10) Hexachlorobutadiene	11.57	225	1507	0.45	ng		97
12) 2-Methylnaphthalene	12.87	142	3997	0.40	ng		97
16) Acenaphthylene	14.74	152	6204	0.39	ng		99
17) Acenaphthene	15.06	154	3906	0.39	ng		94
18) Fluorene	16.02	166	4924	0.39	ng	#	79
20) 4-Bromophenyl-phenylether	16.89	248	1553	0.39	ng	#	73
21) Hexachlorobenzene	17.03	284	1641	0.40	ng	#	82
22) Pentachlorophenol	17.36	266	325	0.39	ng	#	79
23) Phenanthrene	17.74	178	7839	0.40	ng		98
24) Anthracene	17.83	178	7013	0.39	ng		95
26) Fluoranthene	19.72	202	9474	0.39	ng		97
28) Pyrene	20.06	202	9998	0.37	ng		97
30) Benzo(a)anthracene	21.78	228	8466	0.39	ng		97
31) Chrysene	21.84	228	8477	0.40	ng		99
32) Bis(2-ethylhexyl)phthalate	21.65	149	13474	0.36	ng		99
33) Indeno(1,2,3-cd)pyrene	27.23	276	8013	0.39	ng	#	94
35) Benzo(b)fluoranthene	23.61	252	8090	0.39	ng	#	89
36) Benzo(k)fluoranthene	23.66	252	8098	0.40	ng		94
37) Benzo(a)pyrene	24.30	252	7258	0.39	ng	#	93
38) Dibenzo(a,h)anthracene	27.25	278	6364	0.39	ng		96
39) Benzo(g,h,i)perylene	28.10	276	6866	0.39	ng	#	91

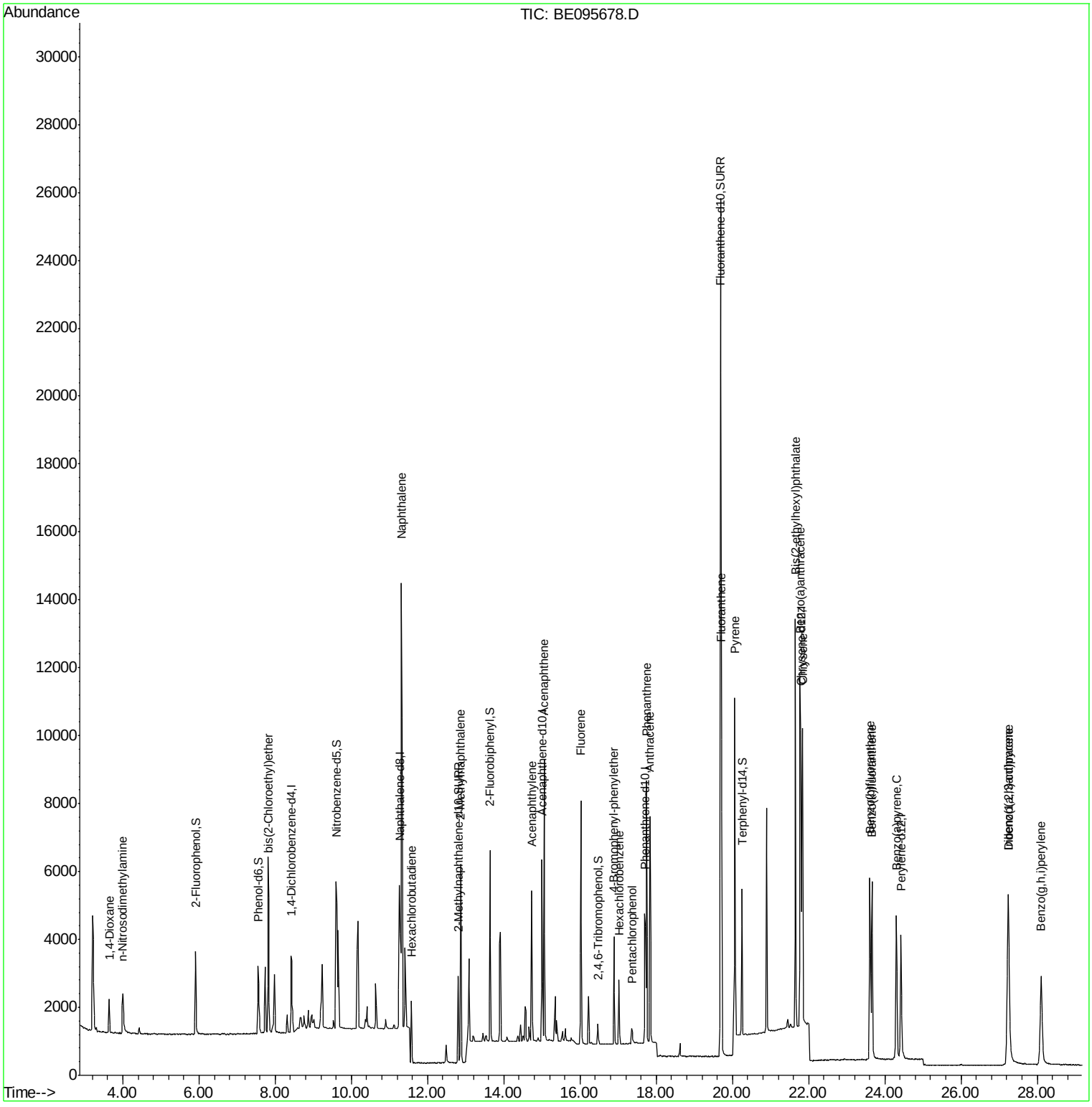
(#) = qualifier out of range (m) = manual integration (+) = signals summed

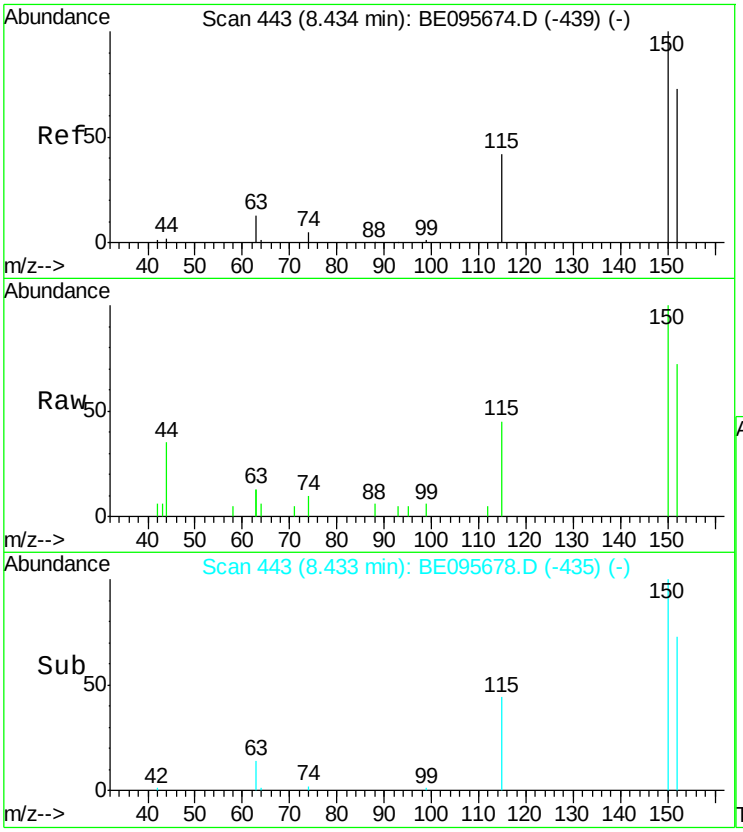
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022318\
Data File : BE095678.D
Acq On : 23 Feb 2018 12:08
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Quant Time: Feb 23 15:55:09 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



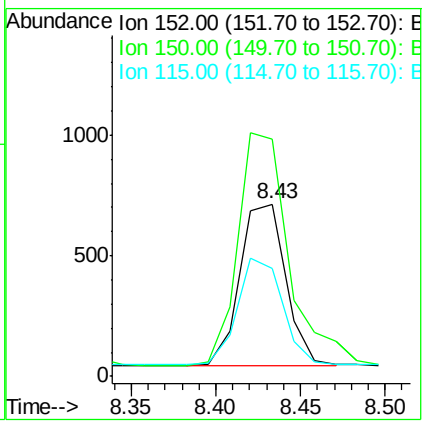


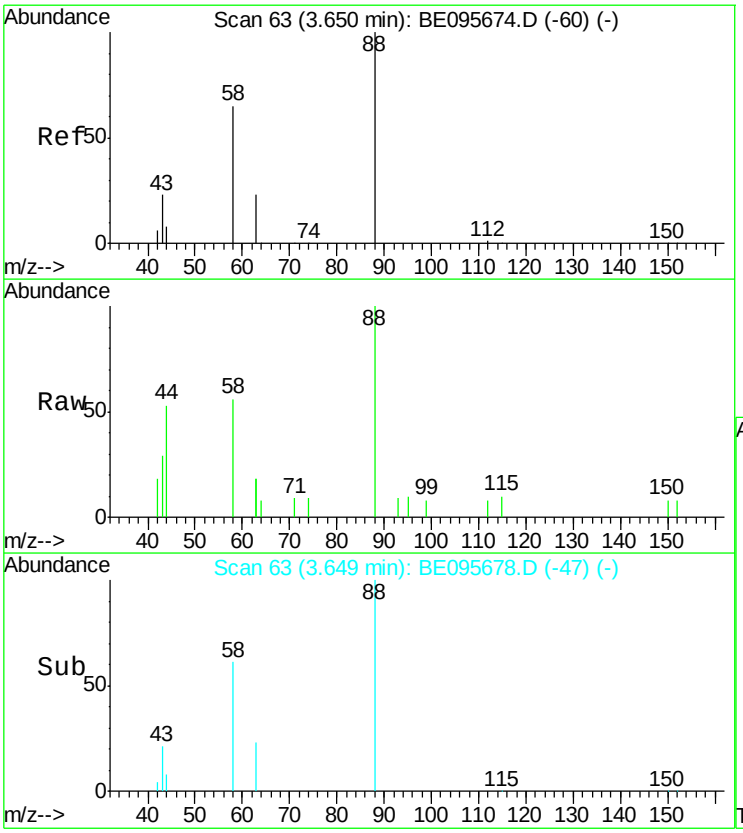
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.43 min Scan# 443
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:152 Resp: 1260

Ion	Ratio	Lower	Upper
152	100		
150	138.0	117.2	175.8
115	62.6	57.0	85.6

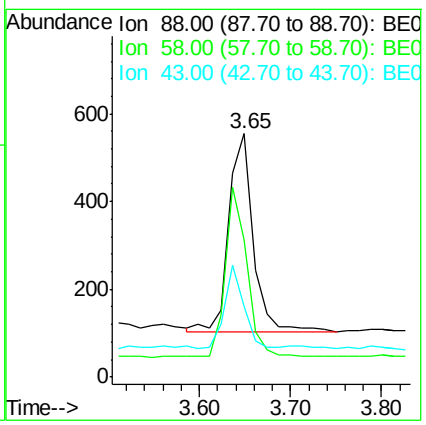


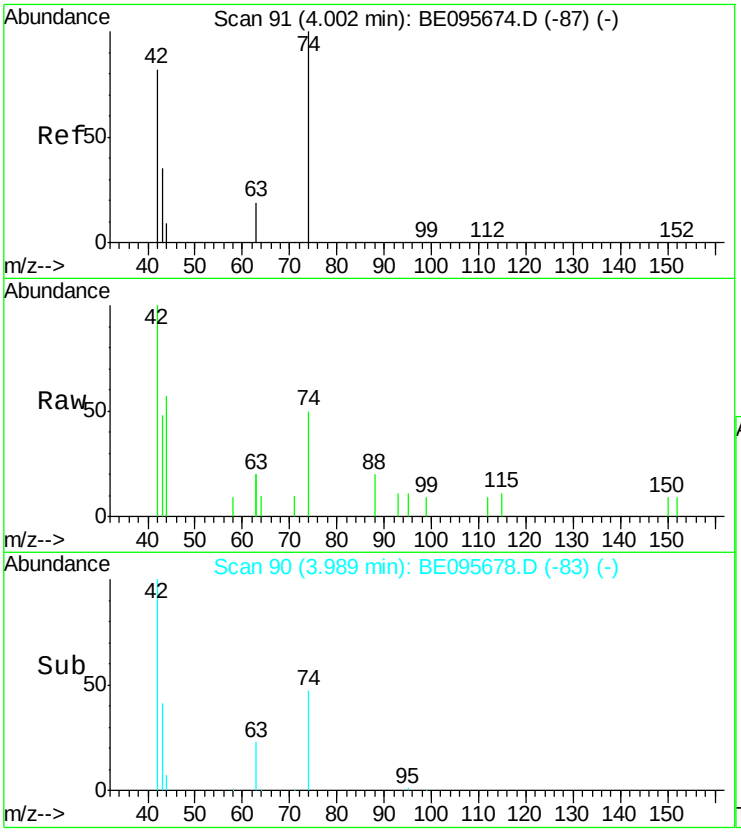


#2
1,4-Dioxane
Concen: 0.42 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion: 88 Resp: 843

Ion	Ratio	Lower	Upper
88	100		
58	75.9	63.2	94.8
43	32.7	41.2	61.8#



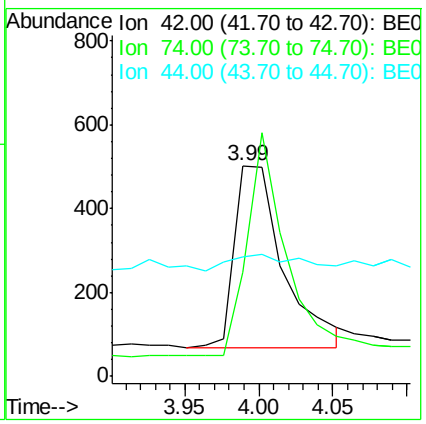


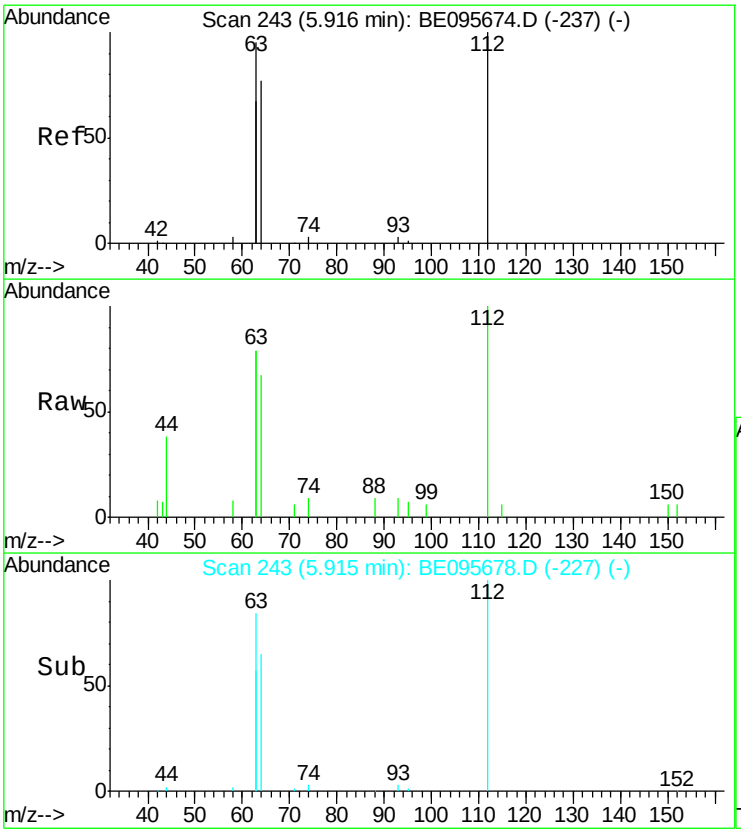
#3
n-Nitrosodimethylamine
Concen: 0.40 ng
RT: 3.99 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion: 42 Resp: 990

Ion	Ratio	Lower	Upper
42	100		
74	98.1	96.0	144.0
44	13.3	12.0	18.0

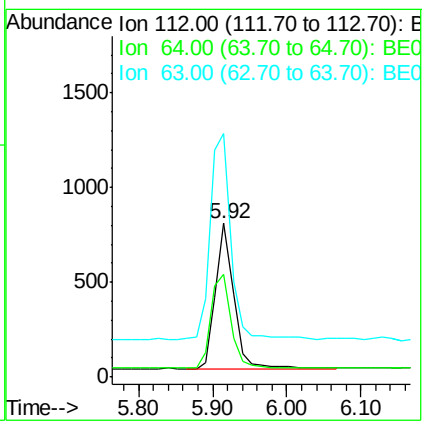


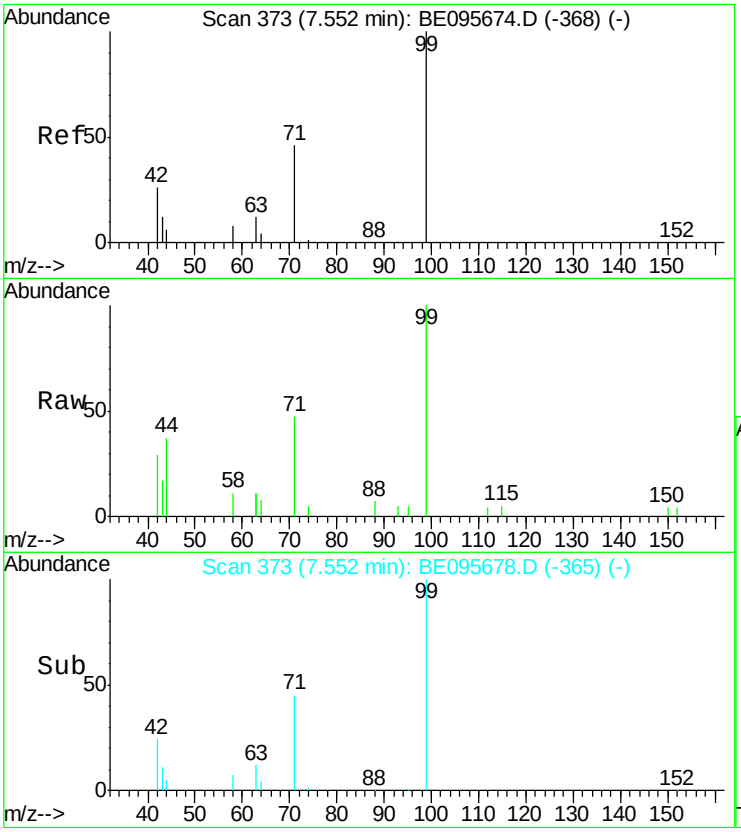


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.92 min Scan# 243
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:112 Resp: 1311

Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	162.9	116.8	175.2



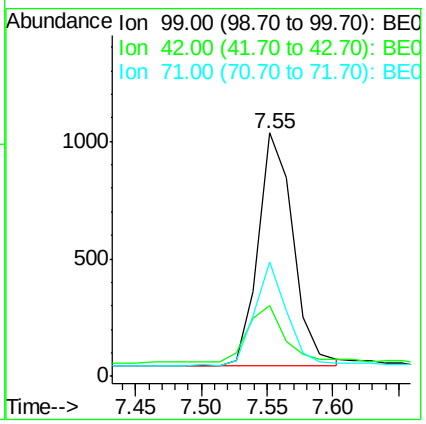


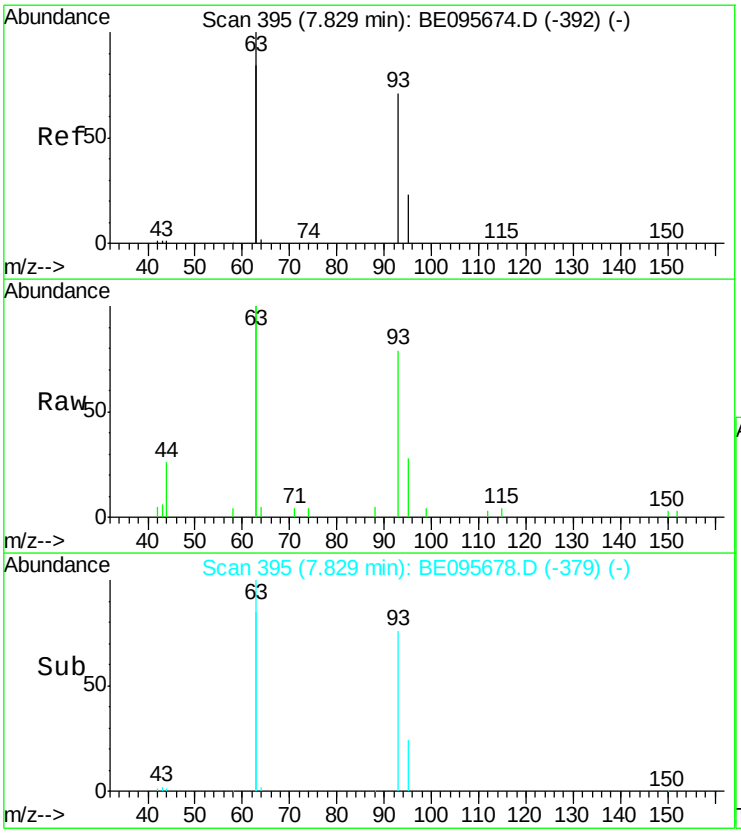
#5
Phenol-d6
Concen: 0.40 ng
RT: 7.55 min Scan# 373
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion: 99 Resp: 1825

Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.2	30.2
71	41.2	28.4	42.6

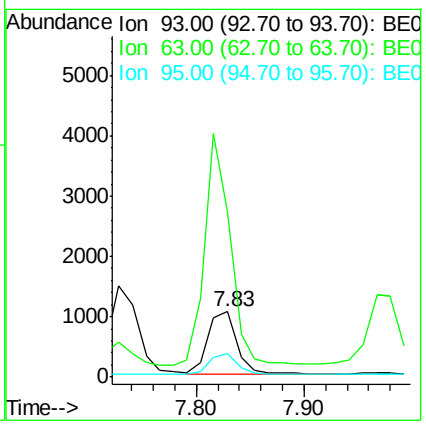


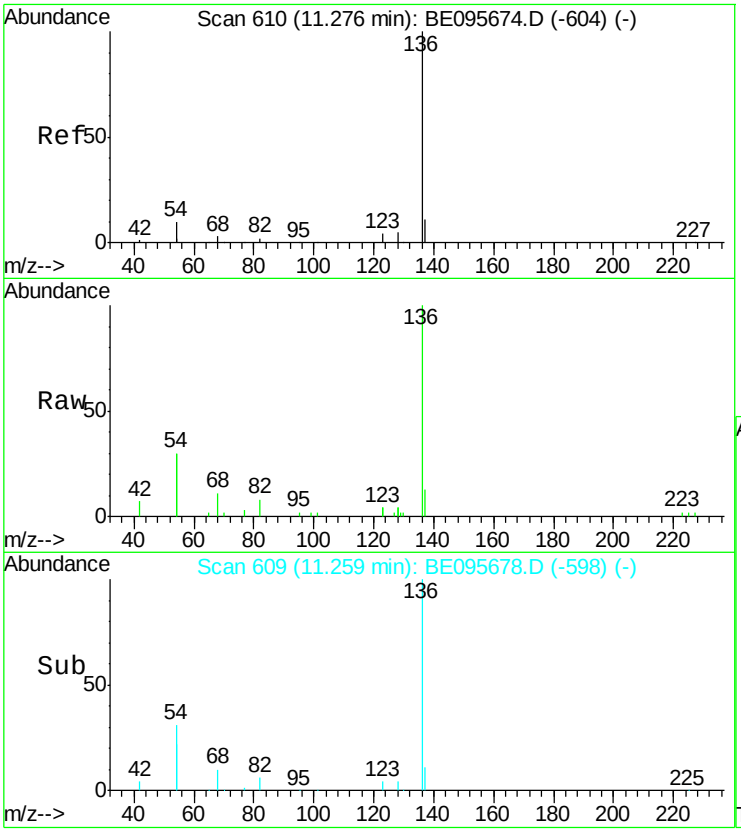


#6
bis(2-Chloroethyl)ether
Concen: 0.40 ng
RT: 7.83 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion: 93 Resp: 1906

Ion	Ratio	Lower	Upper
93	100		
63	328.2	275.3	412.9
95	31.5	25.2	37.8



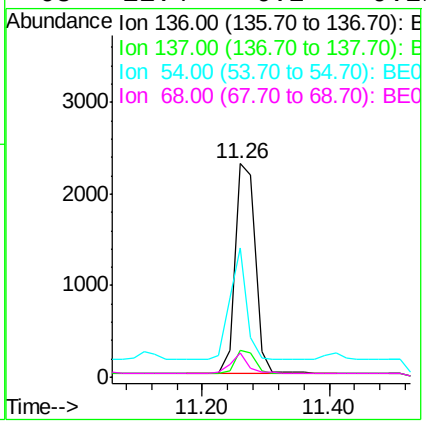


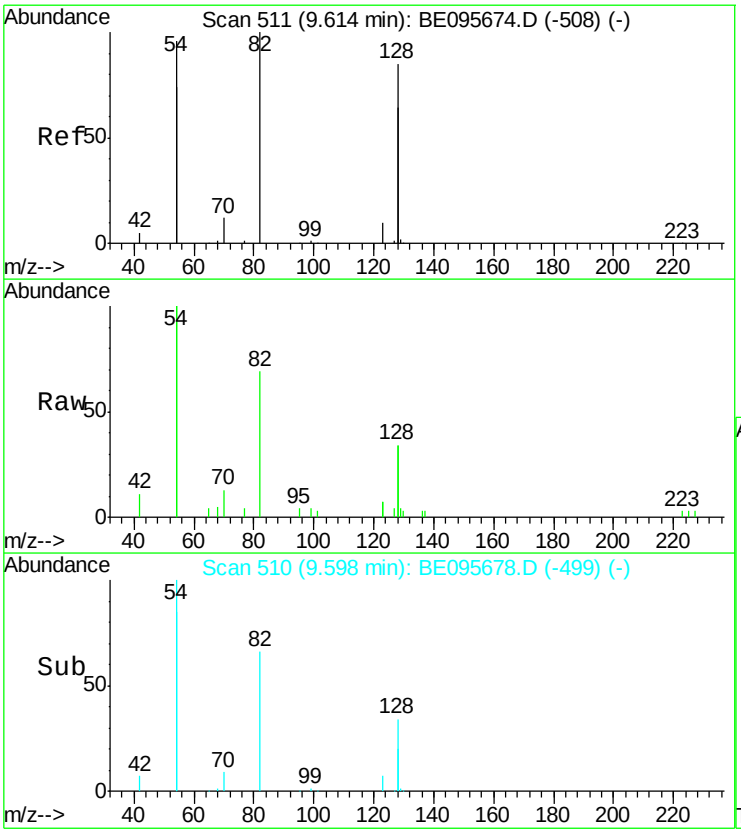
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 11.26 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:136 Resp: 5017

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	60.3	29.1	43.7#
68	11.4	6.2	9.2#

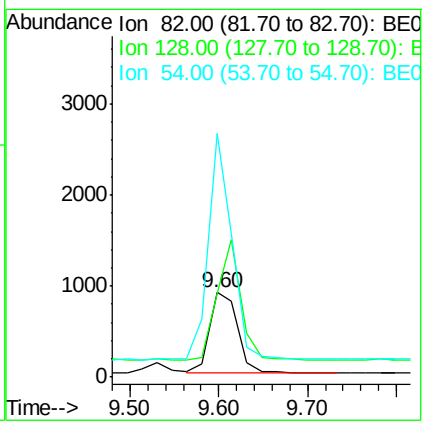


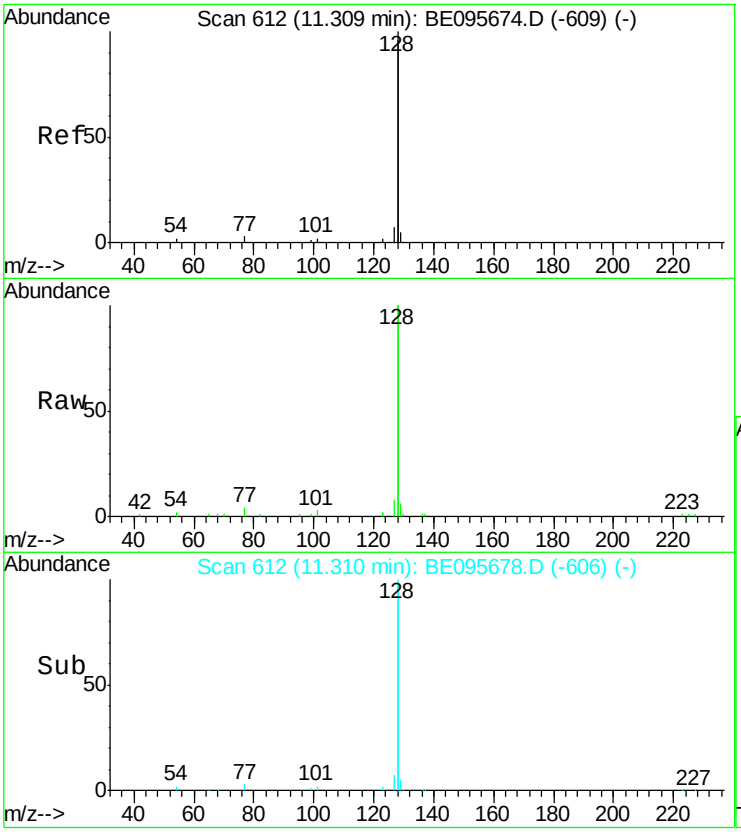


#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 9.60 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion: 82 Resp: 1910

Ion	Ratio	Lower	Upper
82	100		
128	98.4	150.0	225.0#
54	287.8	154.2	231.4#



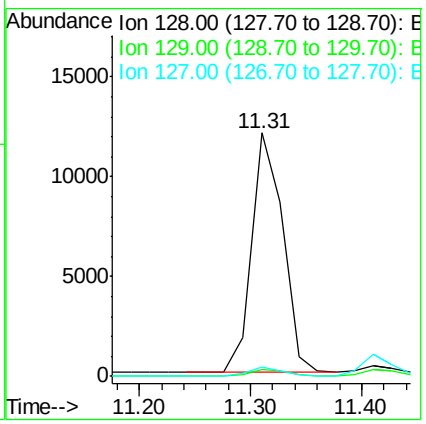


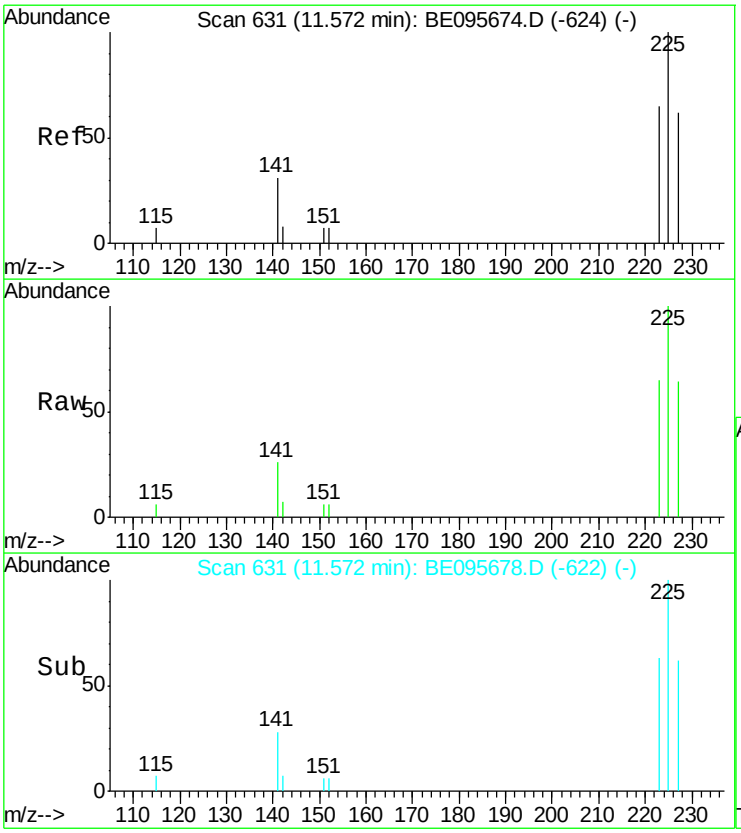
#9
Naphthalene
Concen: 0.40 ng
RT: 11.31 min Scan# 612
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:128 Resp: 23338

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

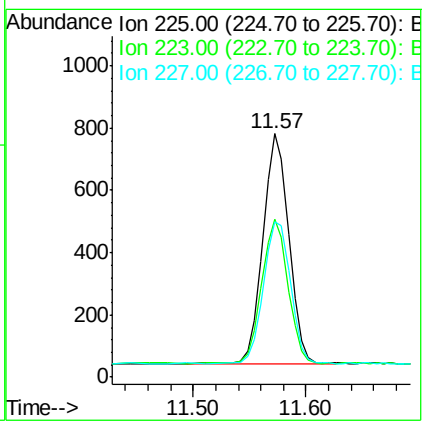


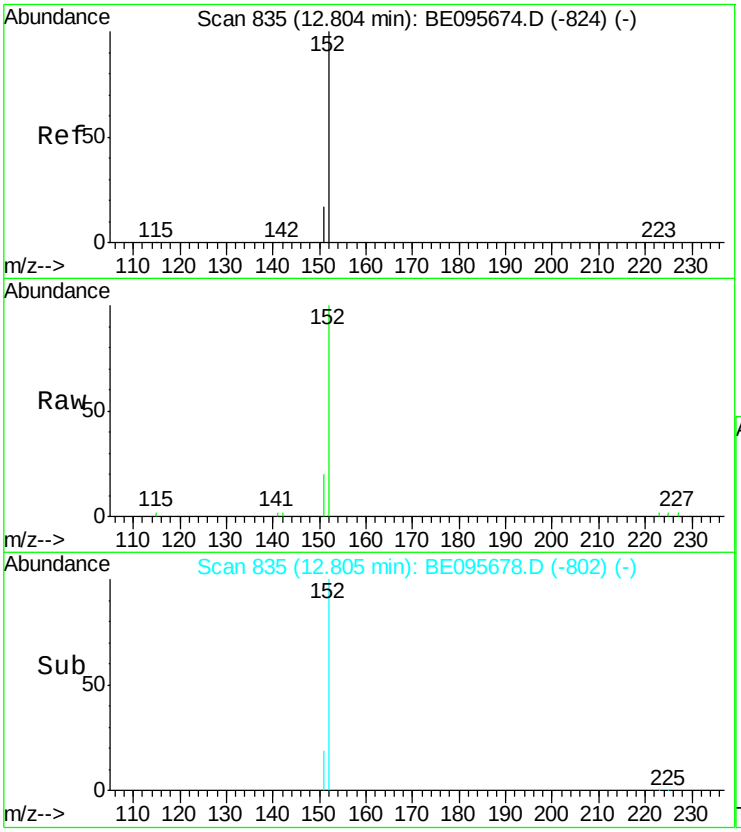


#10
Hexachlorobutadiene
Concen: 0.45 ng
RT: 11.57 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:225 Resp: 1507

Ion	Ratio	Lower	Upper
225	100		
223	65.4	53.0	79.6
227	60.1	51.4	77.2



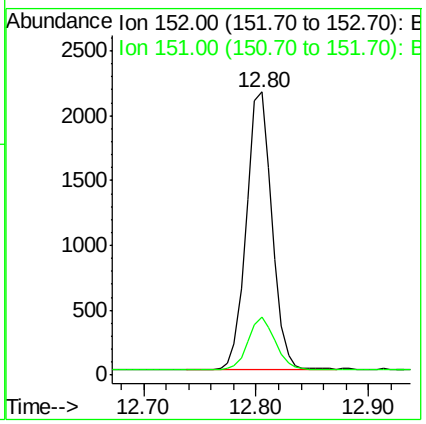


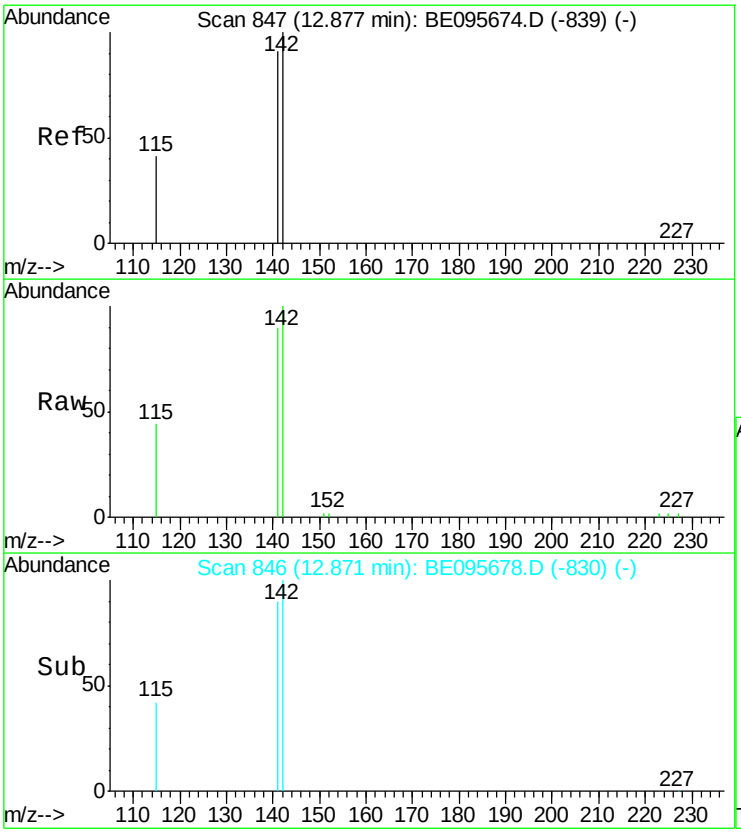
#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 12.80 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:152 Resp: 3385

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0

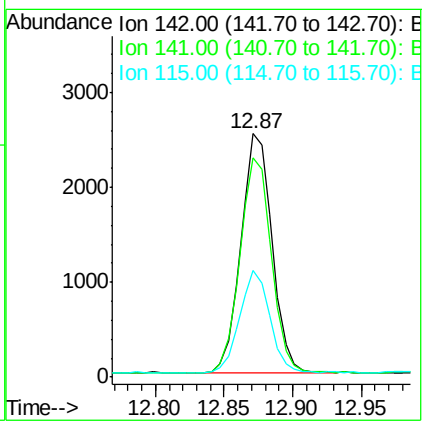


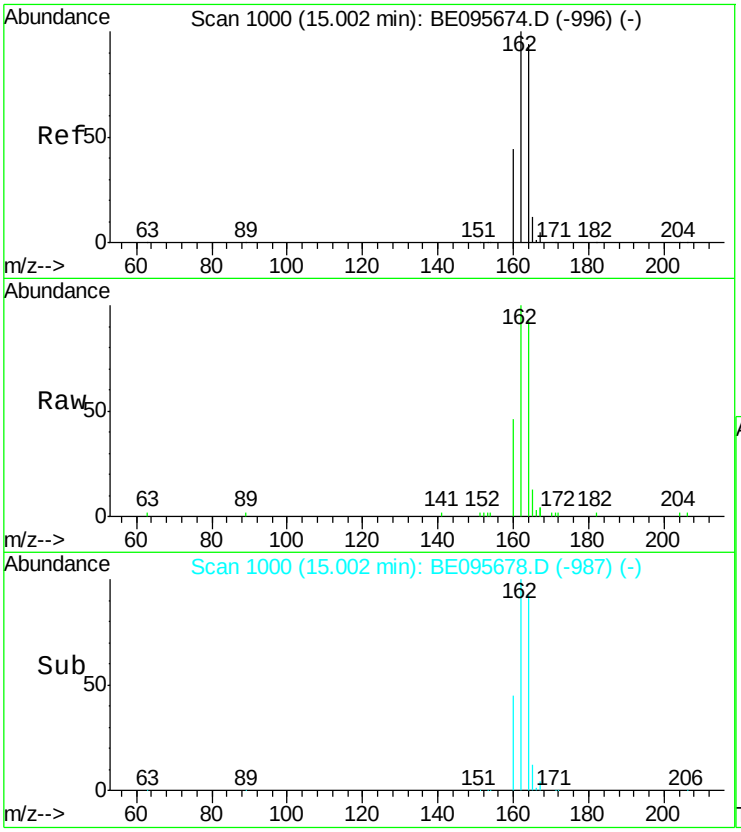


#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:142 Resp: 3997

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.4	105.6
115	43.7	31.7	47.5



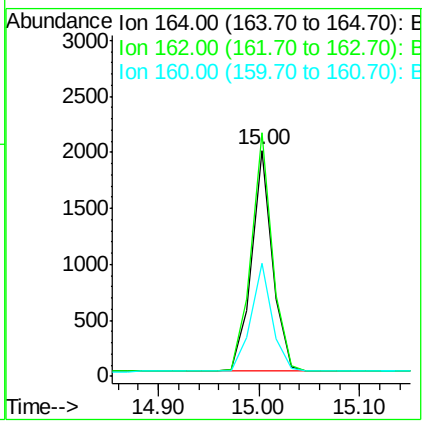


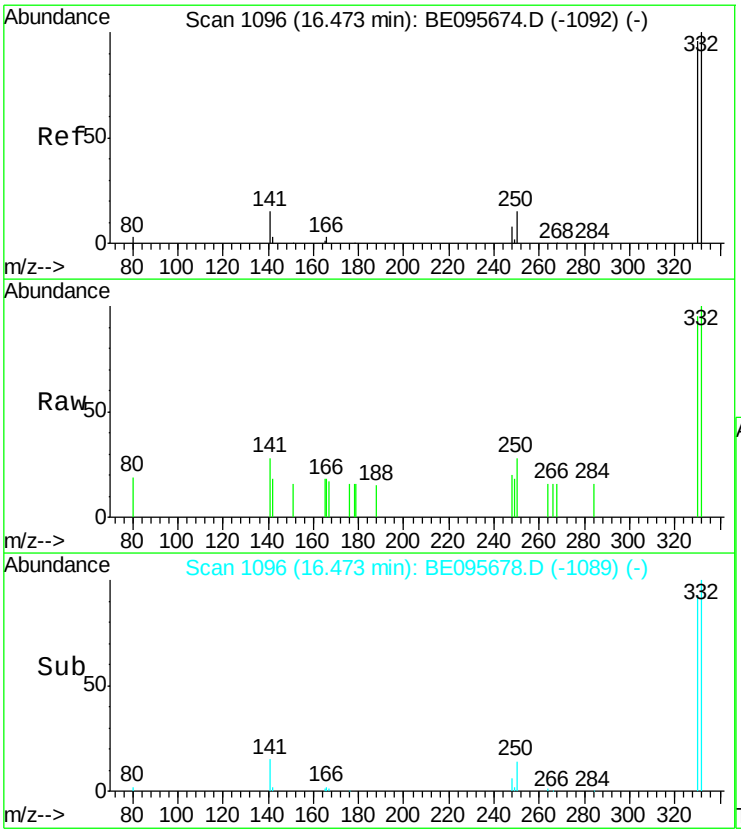
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:164 Resp: 2860

Ion	Ratio	Lower	Upper
164	100		
162	107.6	83.1	124.7
160	49.8	37.1	55.7

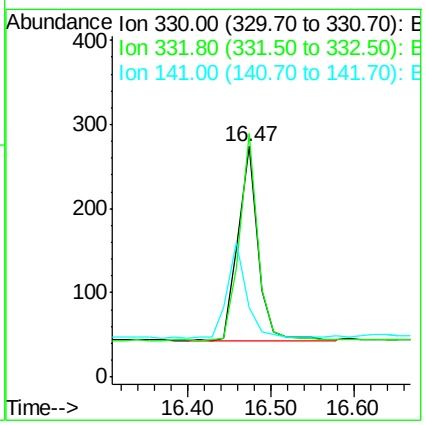


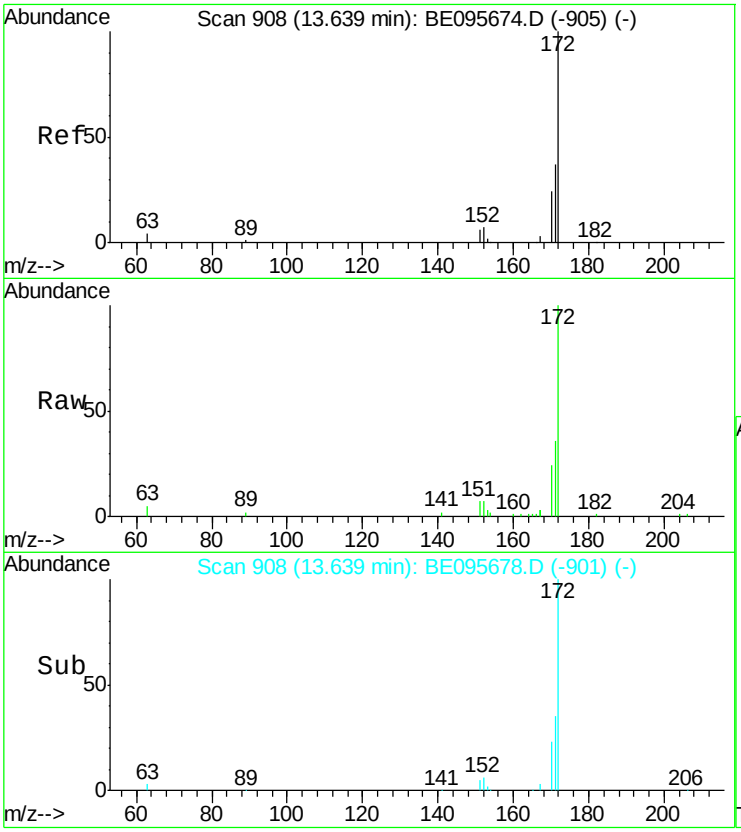


#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:330 Resp: 385

Ion	Ratio	Lower	Upper
330	100		
332	98.7	152.7	229.1#
141	47.8	33.7	50.5



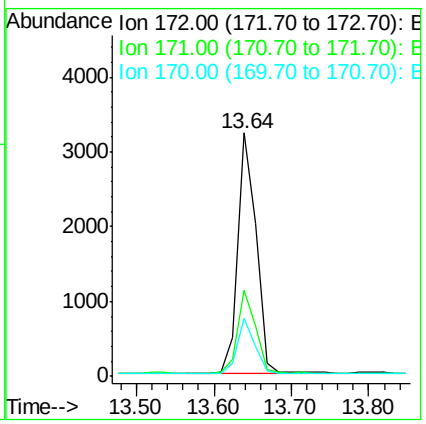


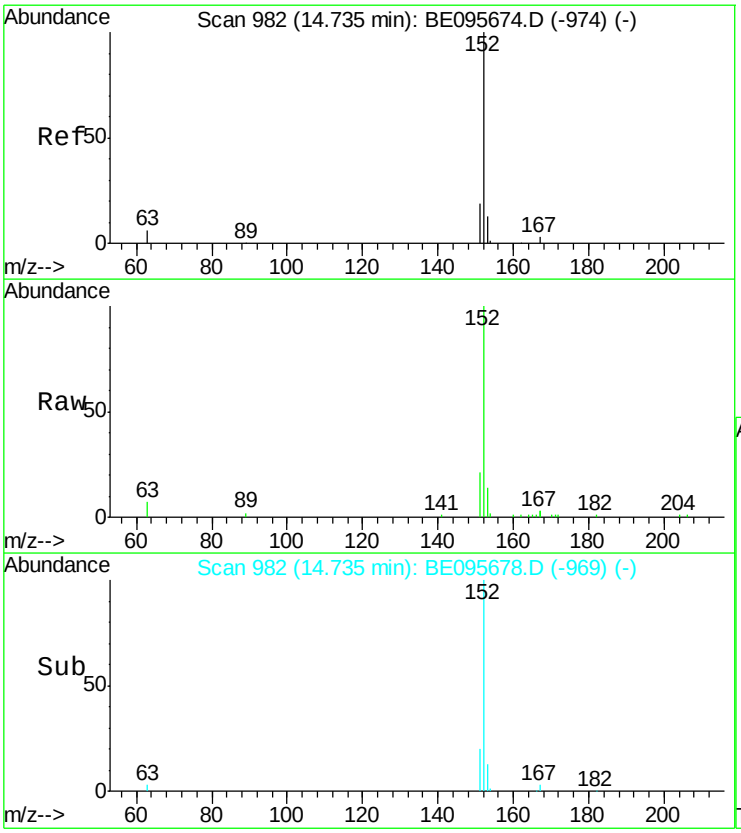
#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:172 Resp: 5196

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	23.6	21.8	32.8

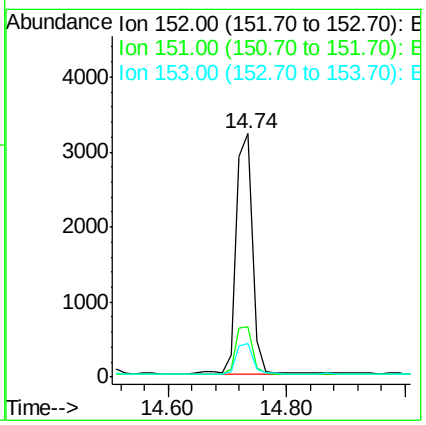


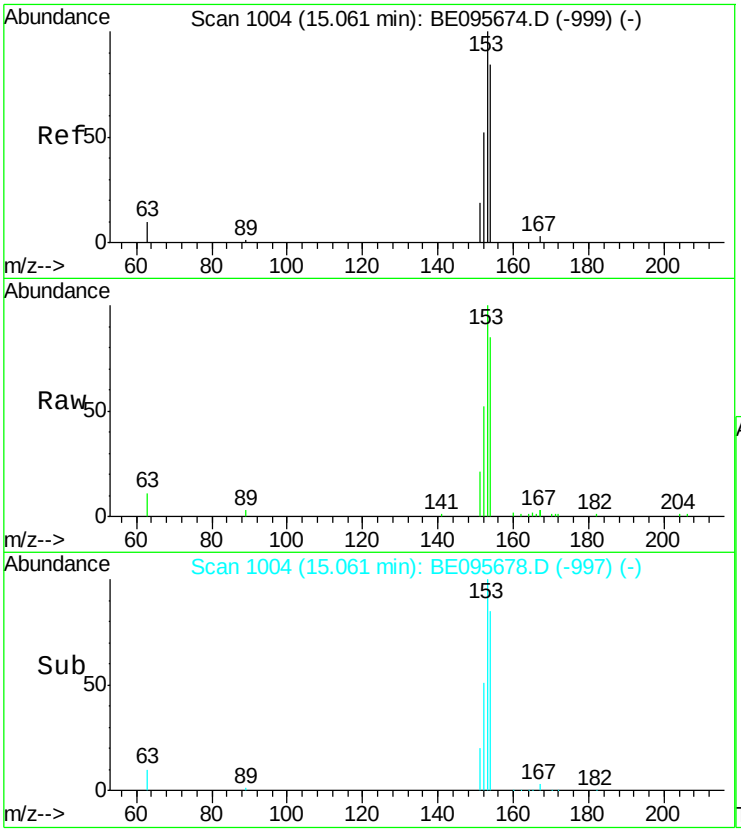


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.74 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:152 Resp: 6204

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	12.8	10.5	15.7



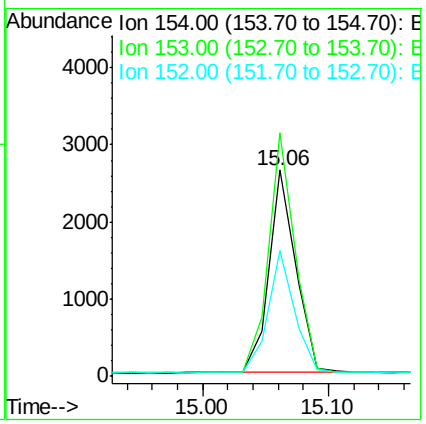


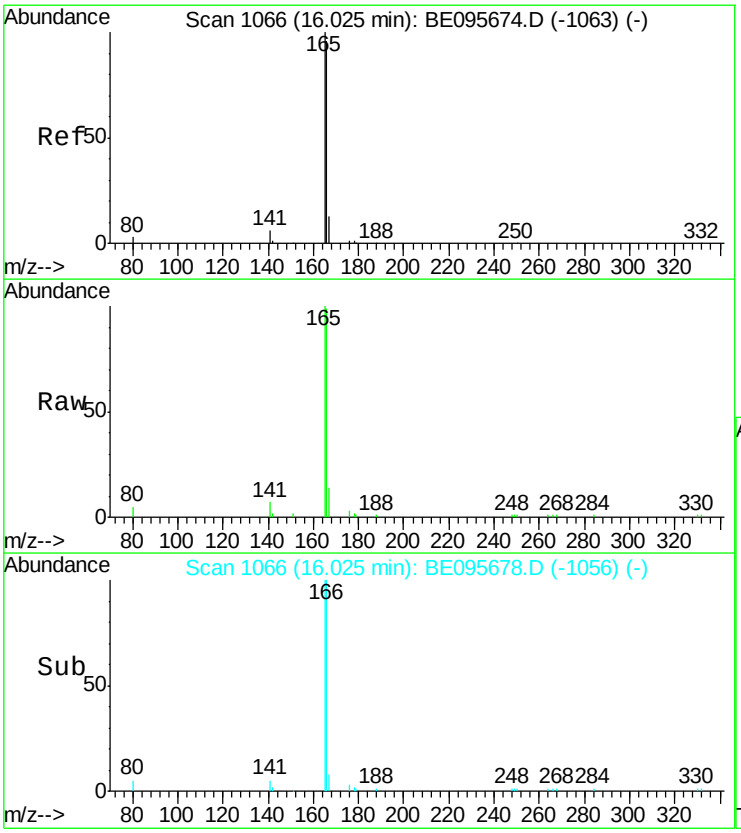
#17
Acenaphthene
Concen: 0.39 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:154 Resp: 3906

Ion	Ratio	Lower	Upper
154	100		
153	116.5	89.2	133.8
152	59.4	42.0	63.0

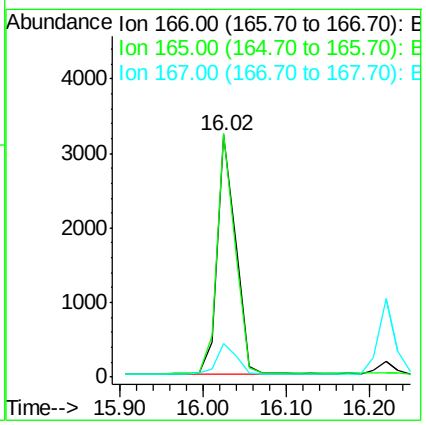


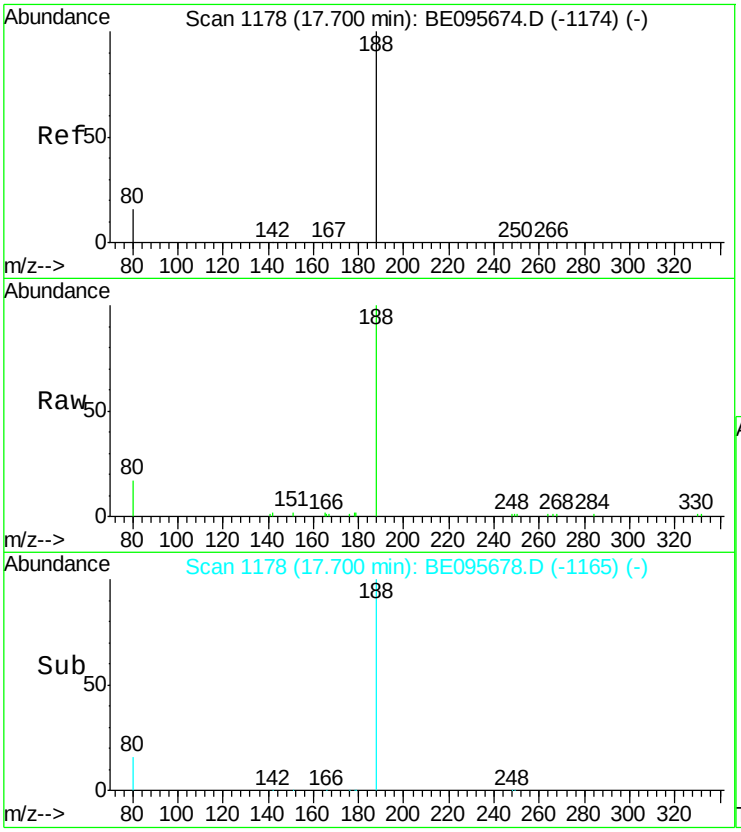


#18
Fluorene
Concen: 0.39 ng
RT: 16.02 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:166 Resp: 4924

Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.8	116.6
167	13.2	42.4	63.6#



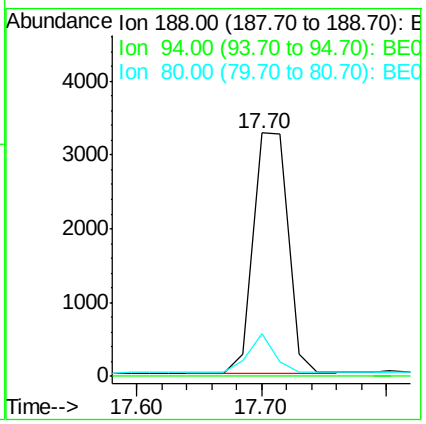


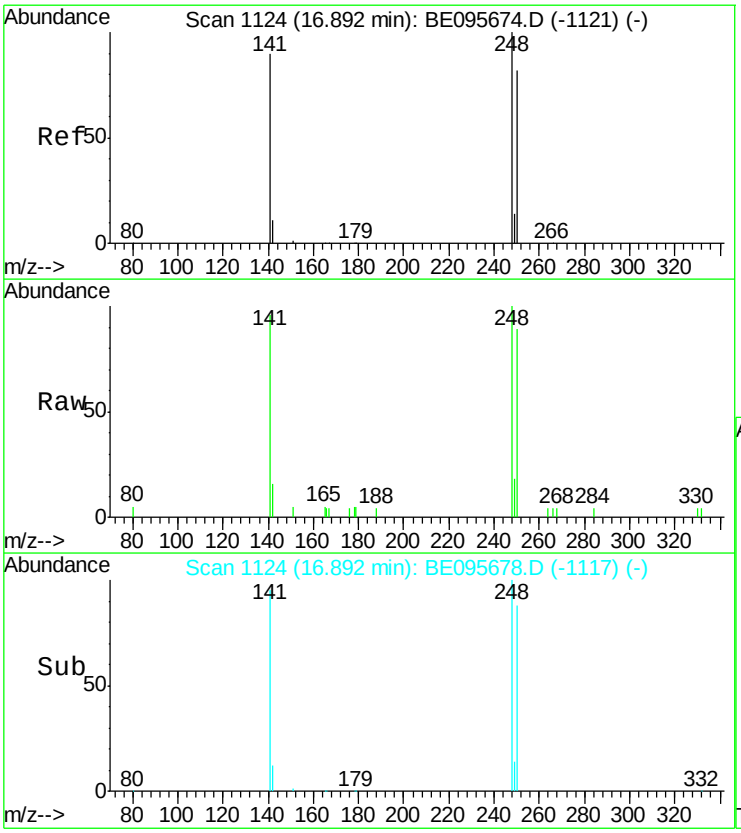
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.70 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:188 Resp: 6329

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	17.5	3.6	5.4#

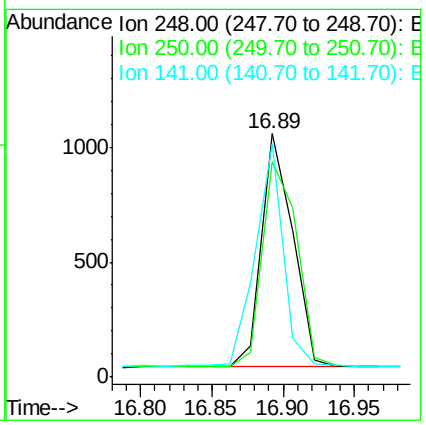


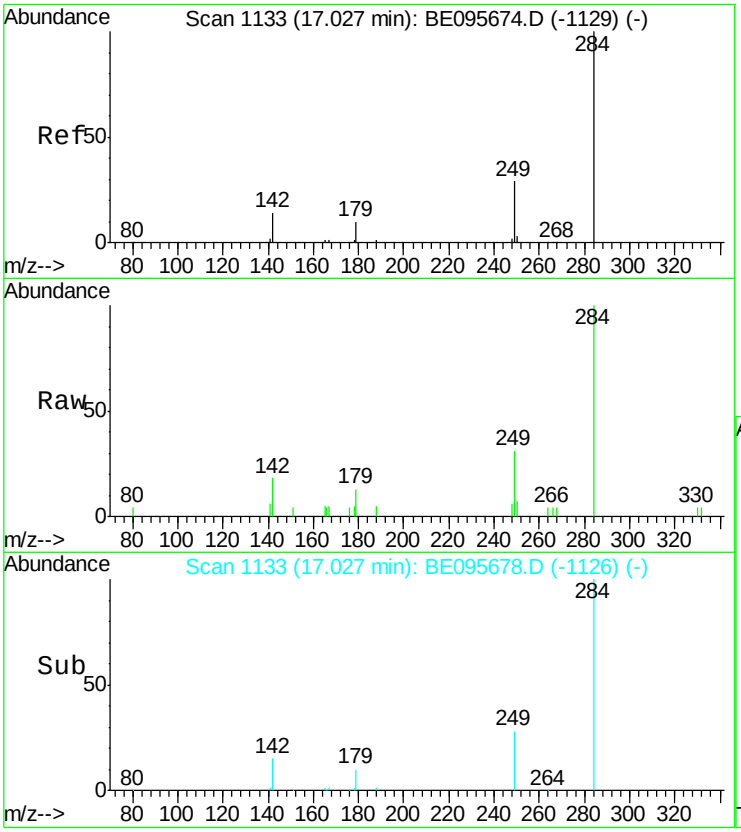


#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:248 Resp: 1553

Ion	Ratio	Lower	Upper
248	100		
250	88.7	62.7	94.1
141	95.8	48.2	72.2#



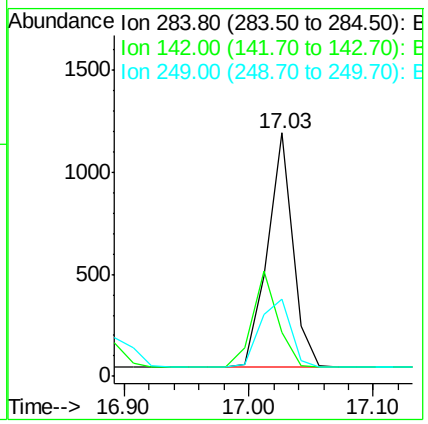


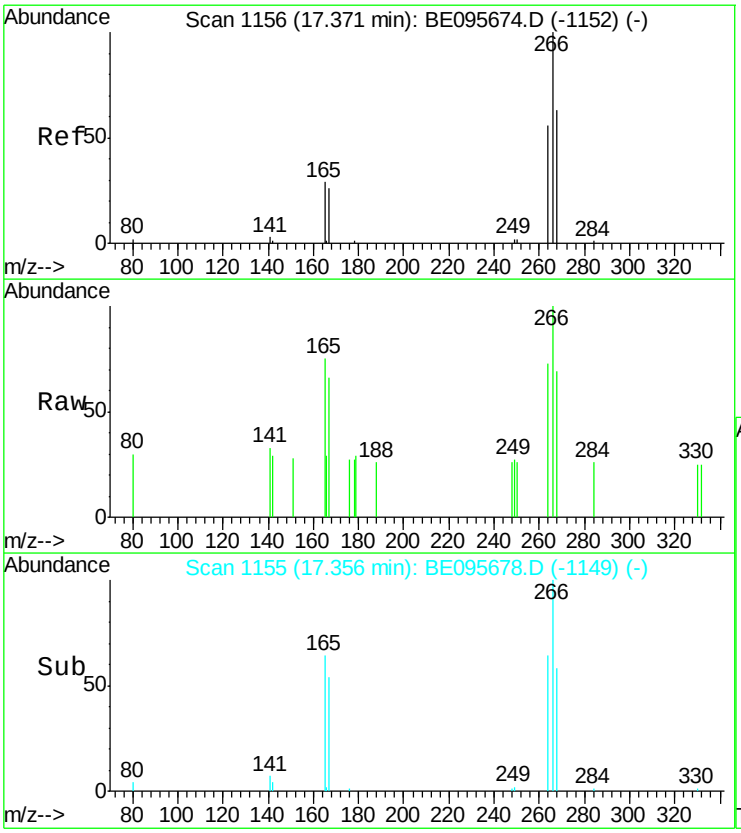
#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 17.03 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:284 Resp: 1641

Ion	Ratio	Lower	Upper
284	100		
142	41.1	22.1	33.1#
249	34.7	34.8	52.2#

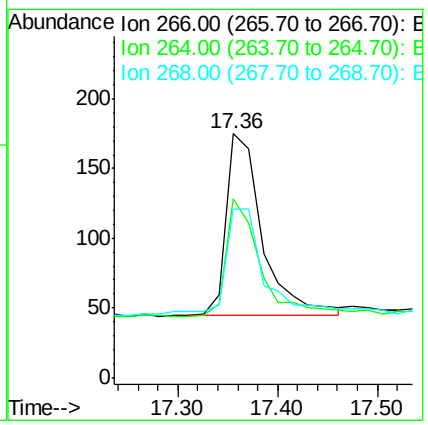


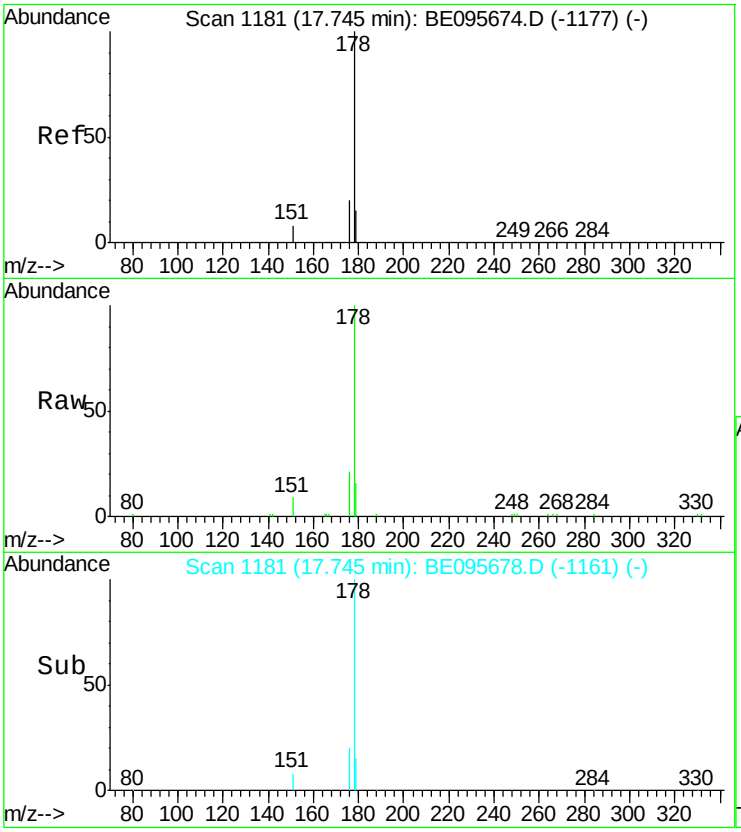


#22
Pentachlorophenol
Concen: 0.39 ng
RT: 17.36 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:266 Resp: 325

Ion	Ratio	Lower	Upper
266	100		
264	73.1	72.5	108.7
268	69.1	73.8	110.6#



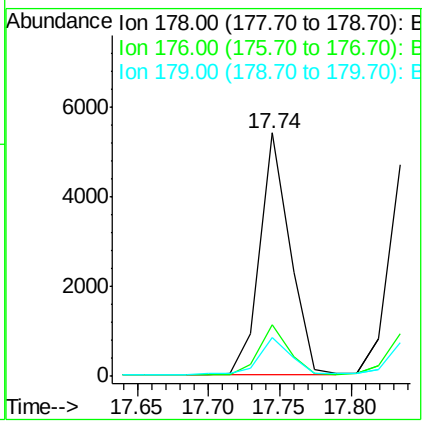


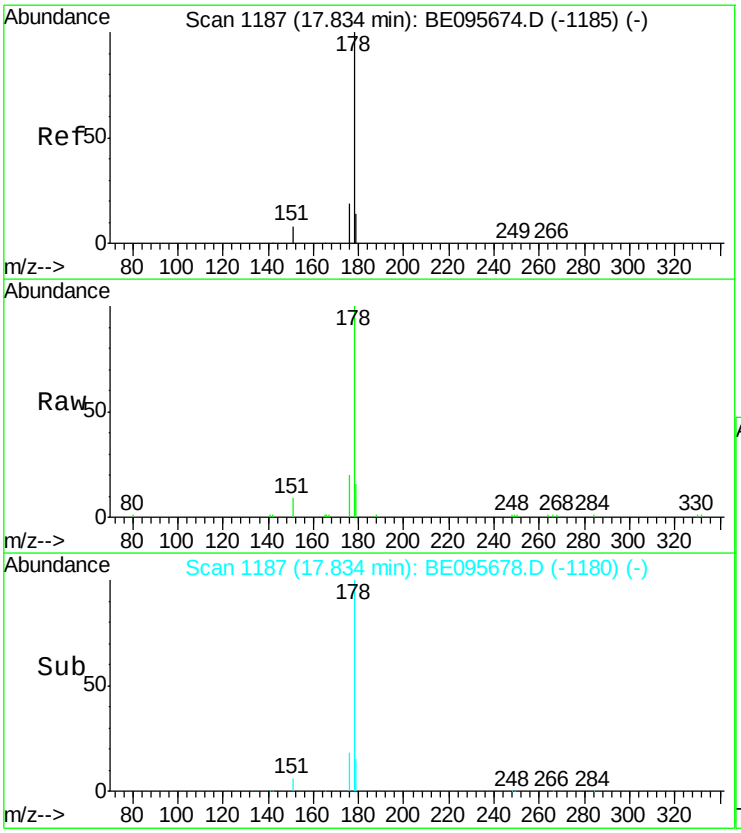
#23
Phenanthrene
Concen: 0.40 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:178 Resp: 7839

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.1	22.7
179	15.2	11.8	17.6

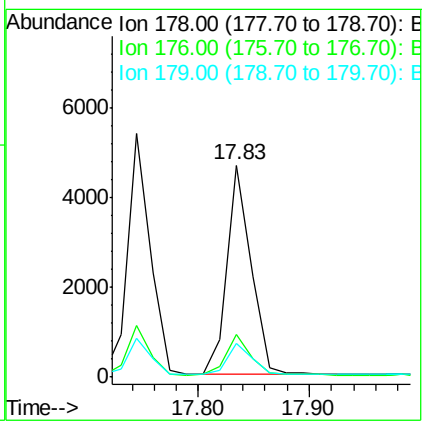


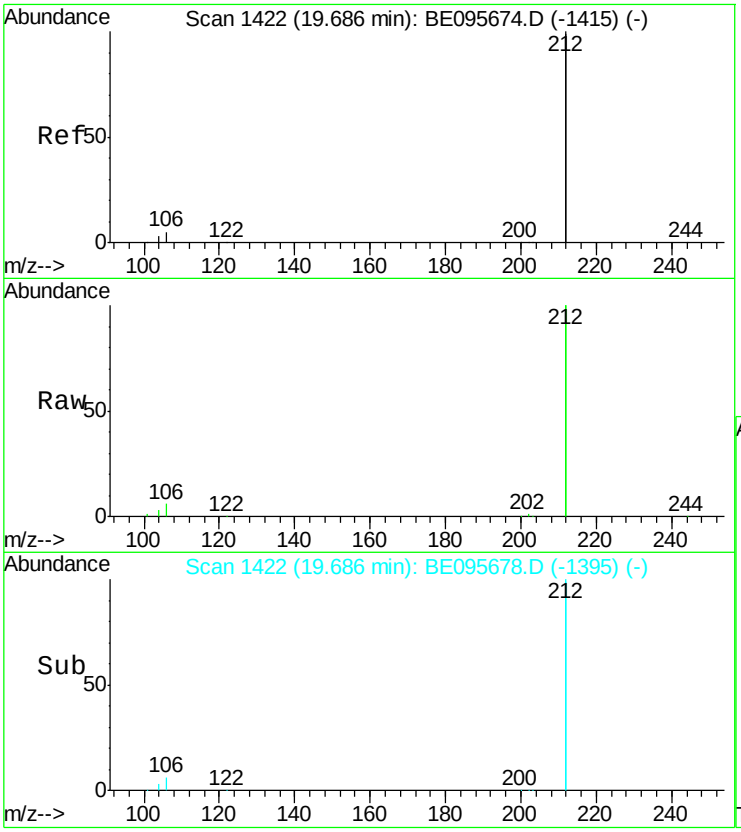


#24
Anthracene
Concen: 0.39 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:178 Resp: 7013

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	15.3	13.0	19.6



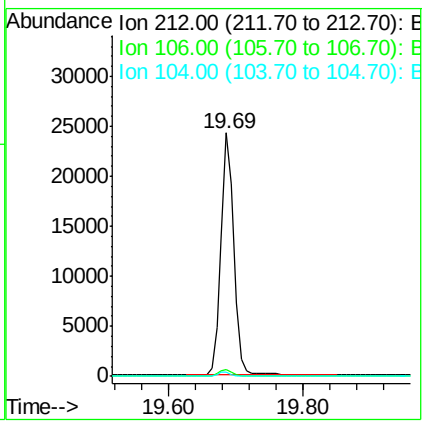


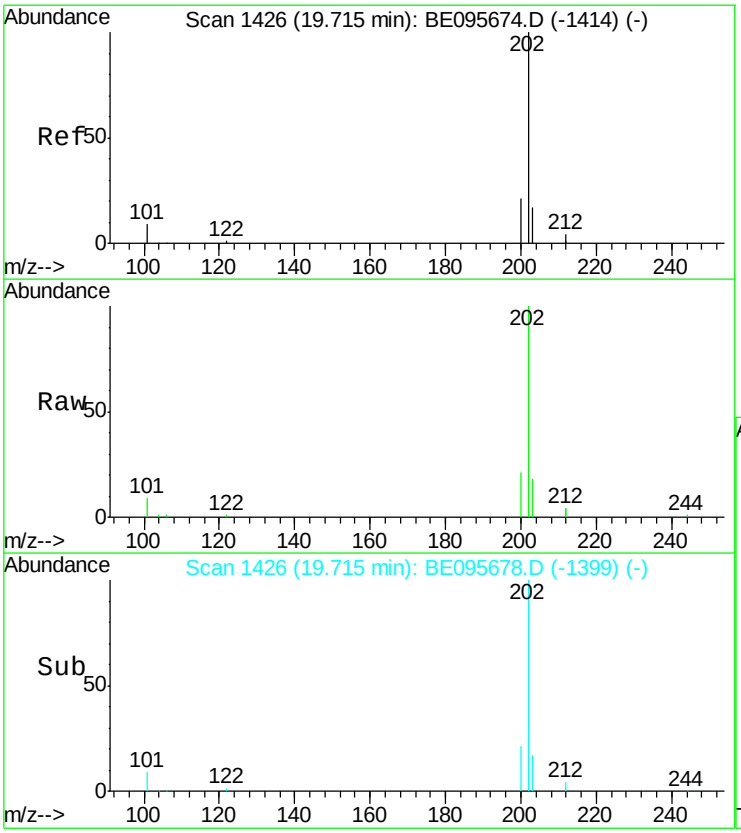
#25
Fluoranthene-d10
Concen: 0.39 ng
RT: 19.69 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:212 Resp: 32106

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

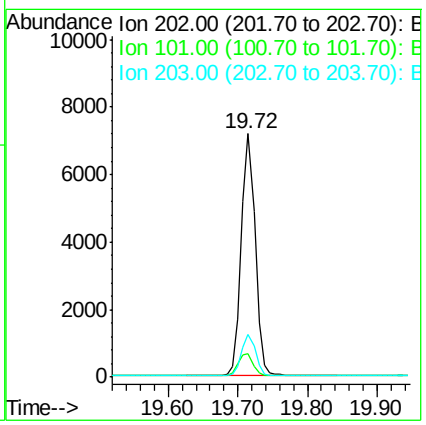


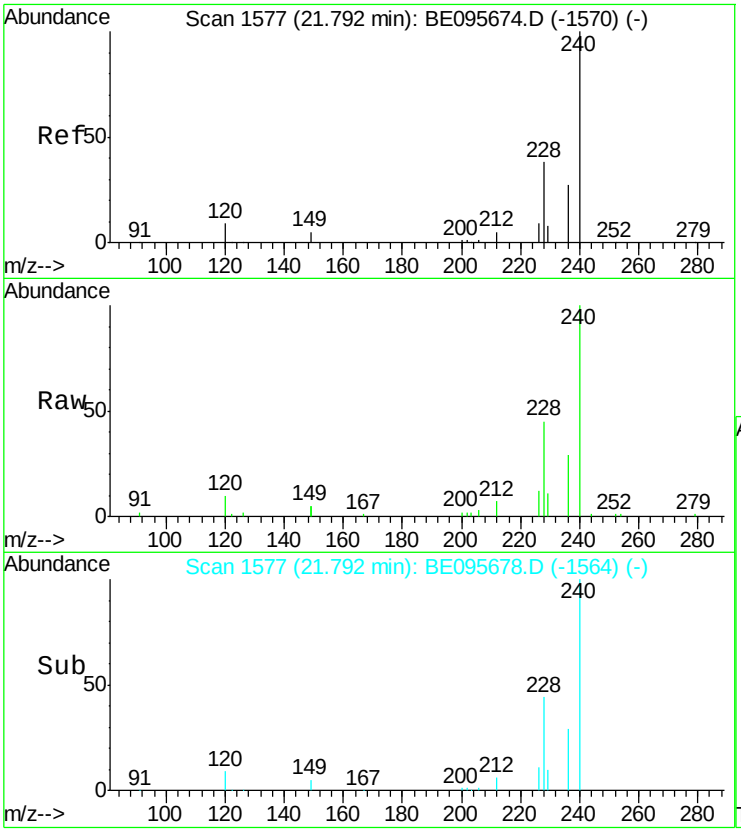


#26
Fluoranthene
Concen: 0.39 ng
RT: 19.72 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:202 Resp: 9474

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



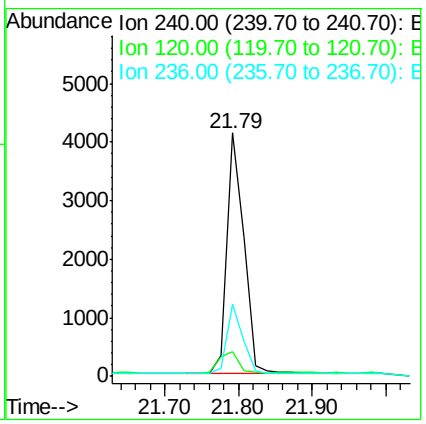


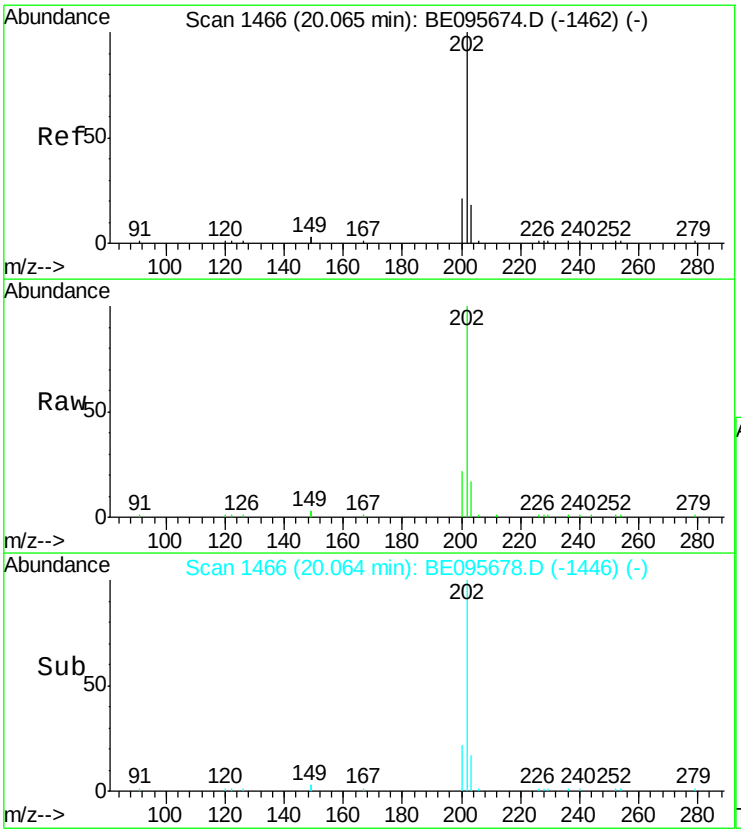
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.79 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:240 Resp: 6576

Ion	Ratio	Lower	Upper
240	100		
120	10.4	5.5	8.3#
236	29.4	20.7	31.1

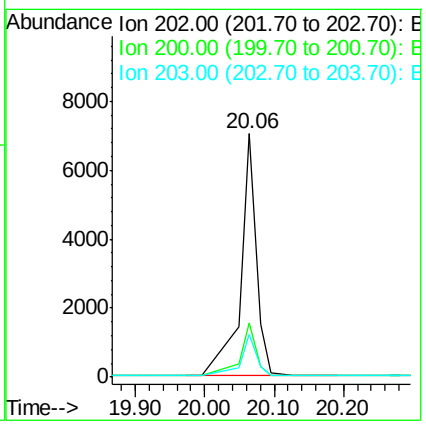


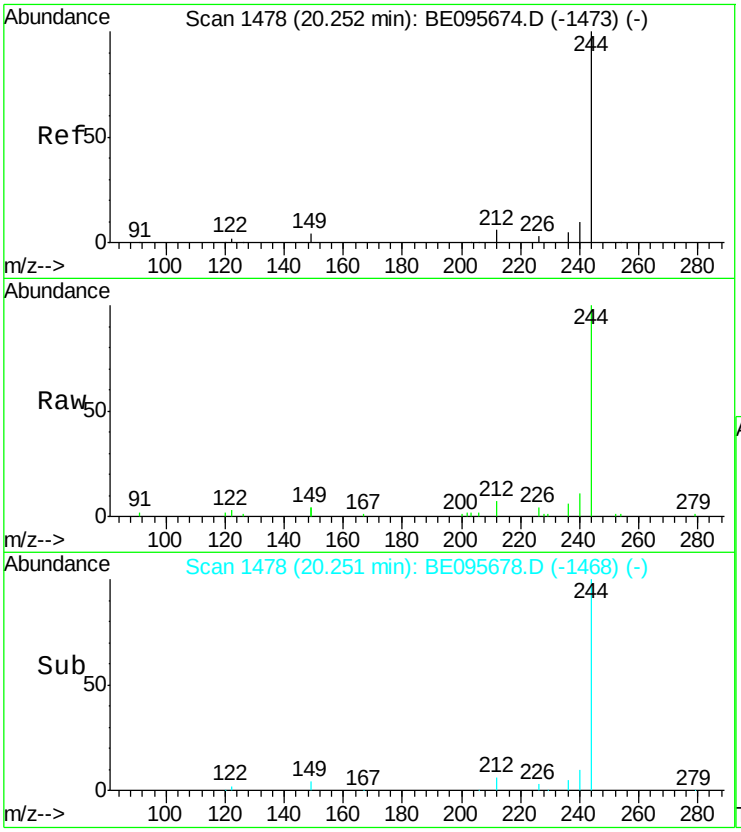


#28
Pyrene
Concen: 0.37 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:202 Resp: 9998

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.6	25.0
203	15.7	13.8	20.8



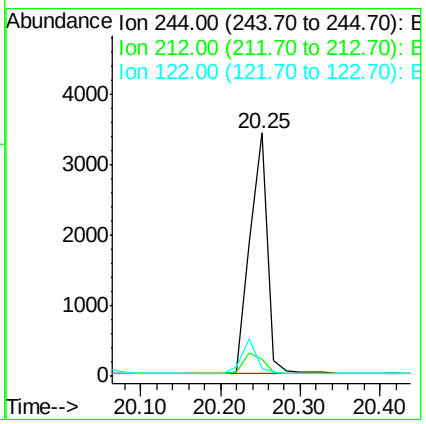


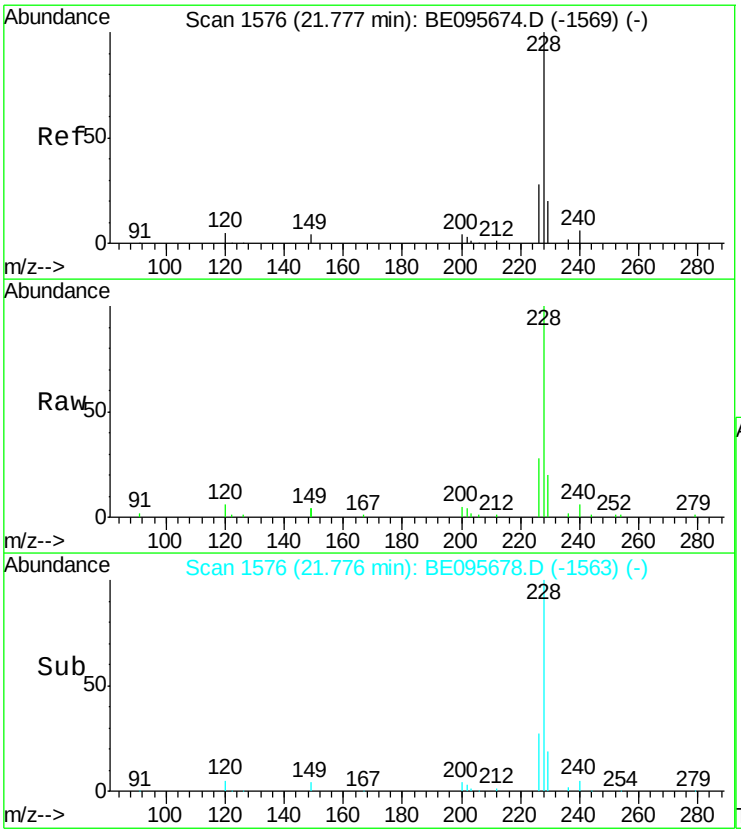
#29
Terphenyl-d14
Concen: 0.40 ng
RT: 20.25 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:244 Resp: 5180

Ion	Ratio	Lower	Upper
244	100		
212	6.8	25.4	38.0#
122	3.3	8.1	12.1#

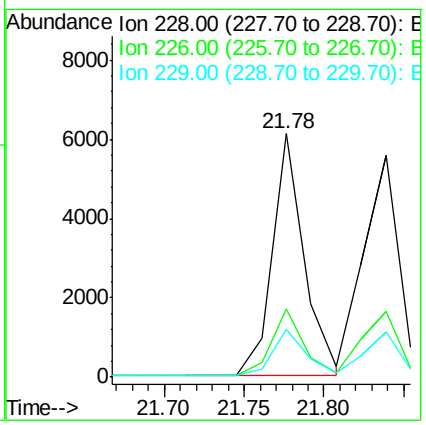


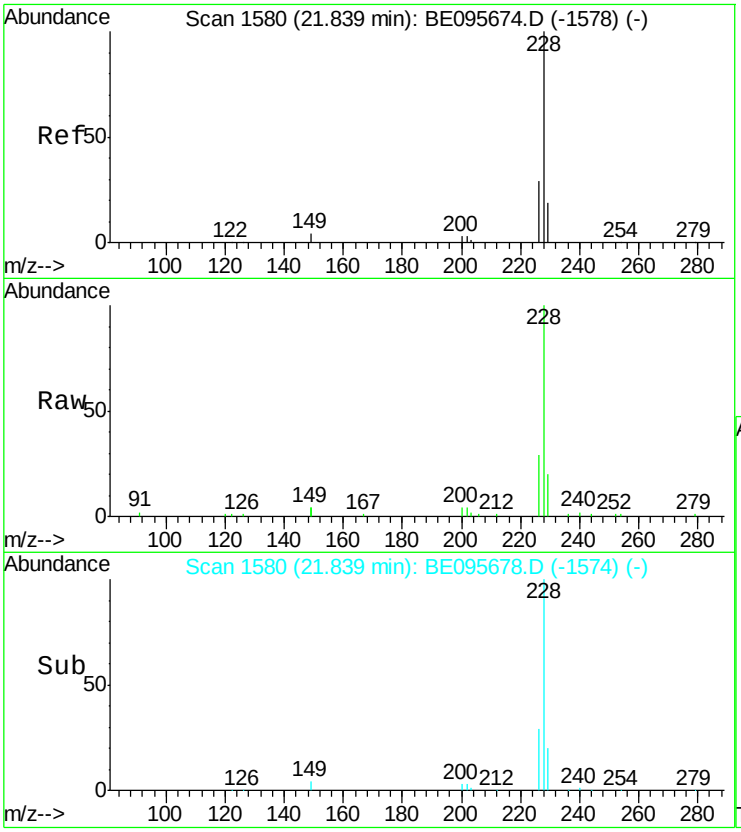


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.78 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:228 Resp: 8466

Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.0	36.0
229	19.6	16.0	24.0



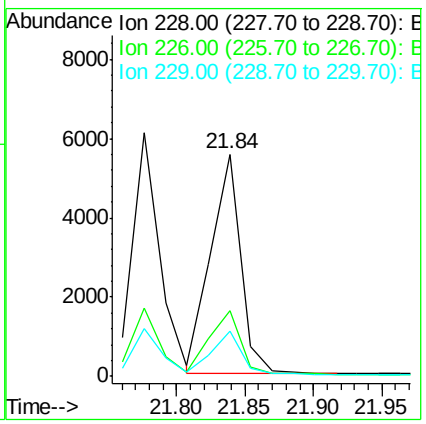


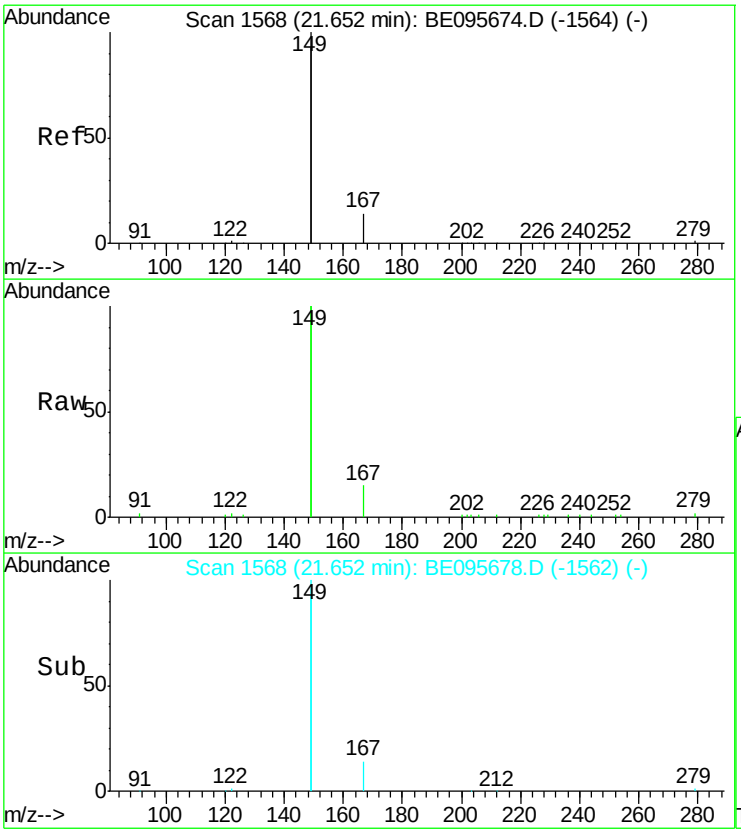
#31
Chrysene
Concen: 0.40 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:228 Resp: 8477

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	20.4	16.0	24.0

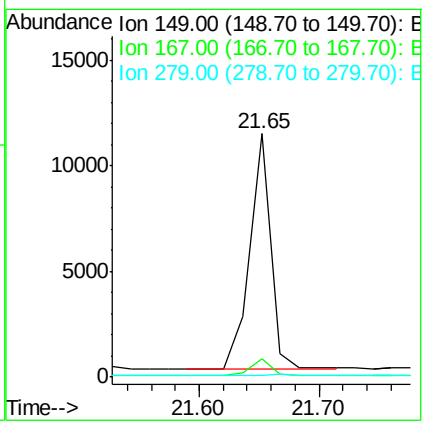


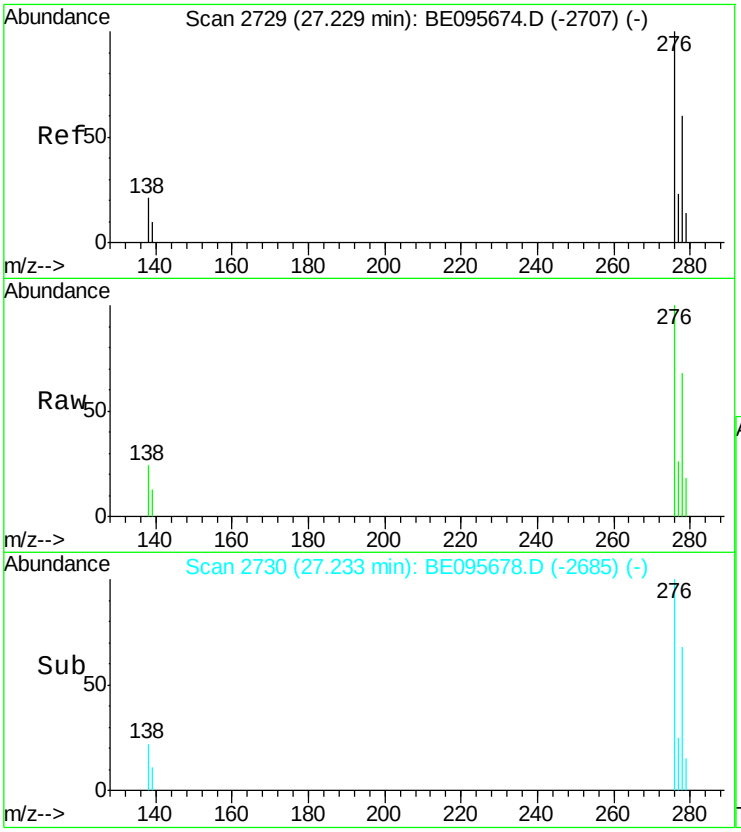


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.36 ng
RT: 21.65 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:149 Resp: 13474

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	0.8	0.7	1.1



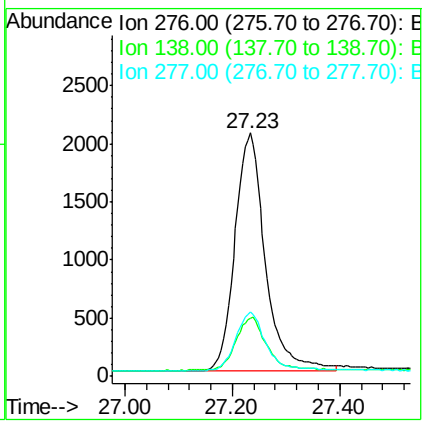


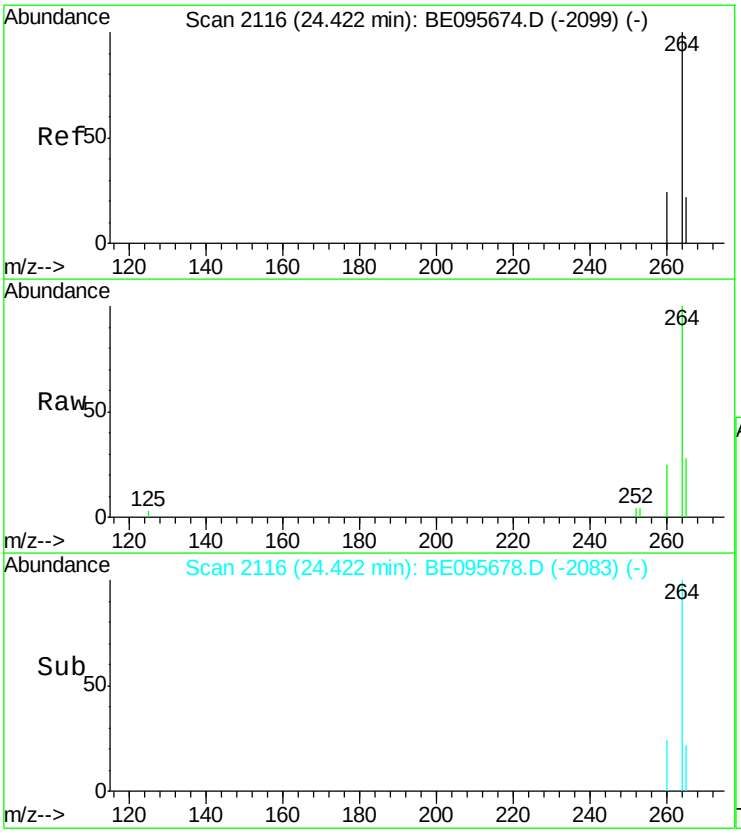
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 27.23 min Scan# 2730
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:276 Resp: 8013

Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.5	33.7#
277	24.8	19.9	29.9

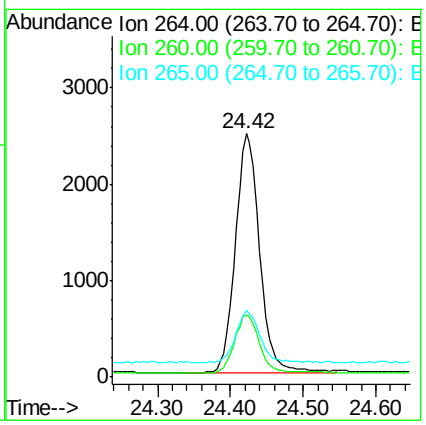


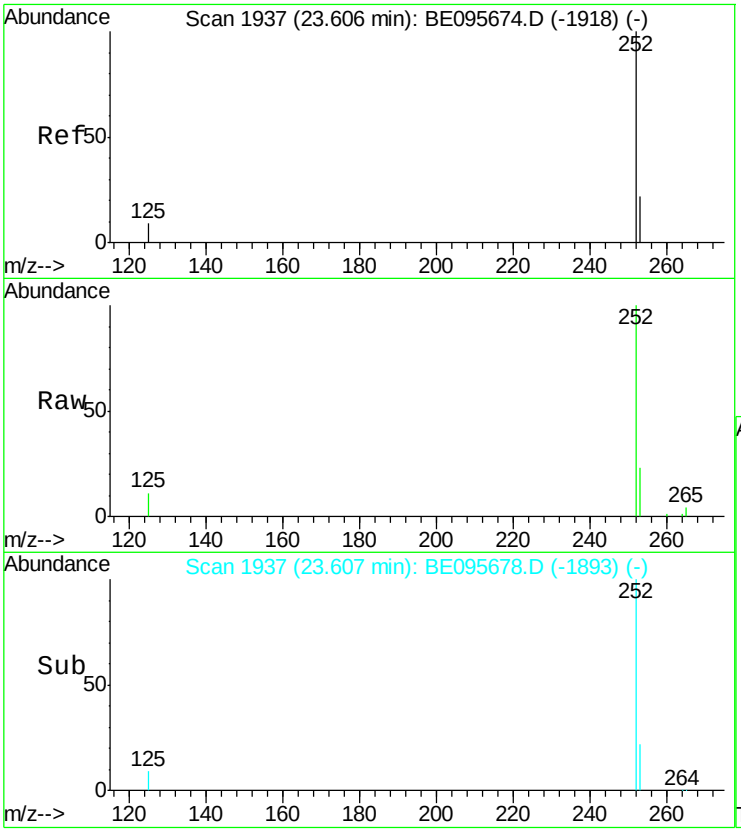


#34
Perylene-d12
Concen: 0.40 ng
RT: 24.42 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:264 Resp: 5754

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.5	30.7
265	27.7	22.8	34.2



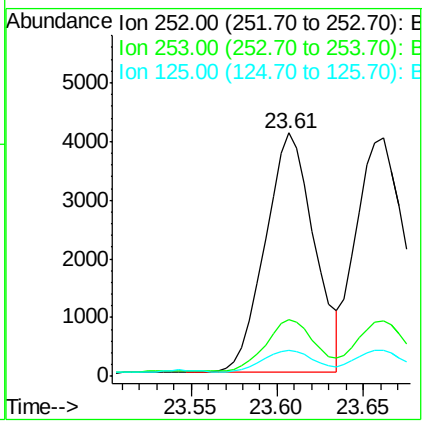


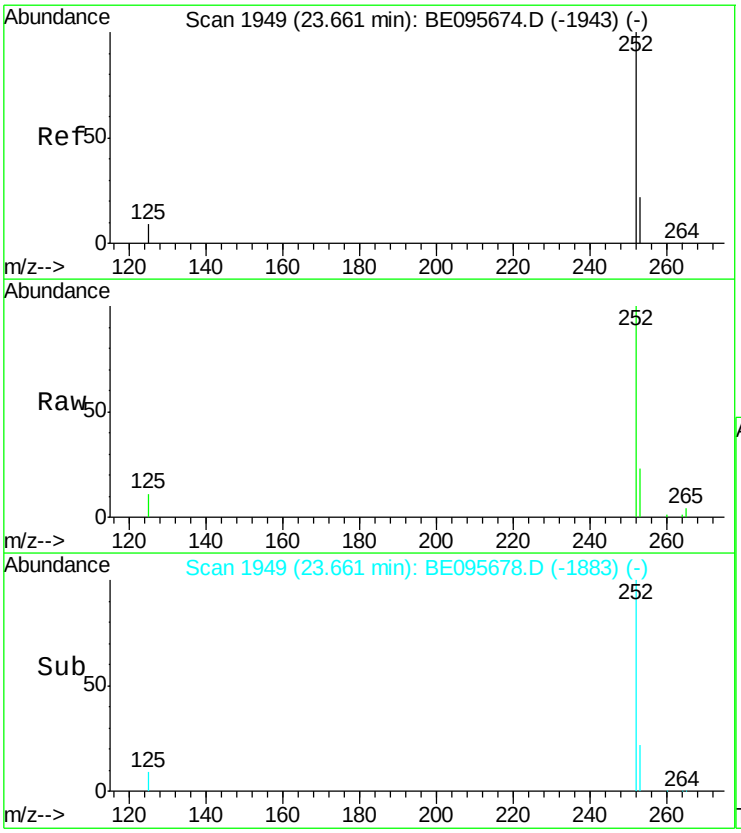
#35
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.61 min Scan# 1937
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:252 Resp: 8090

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.7	16.0	24.0#

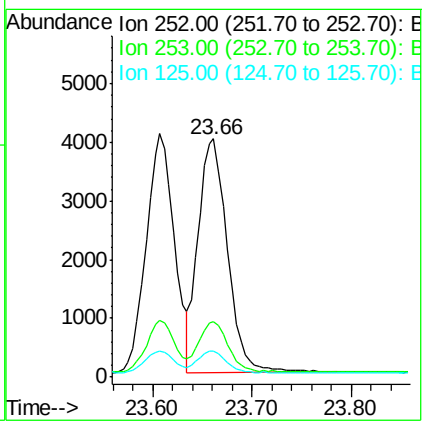


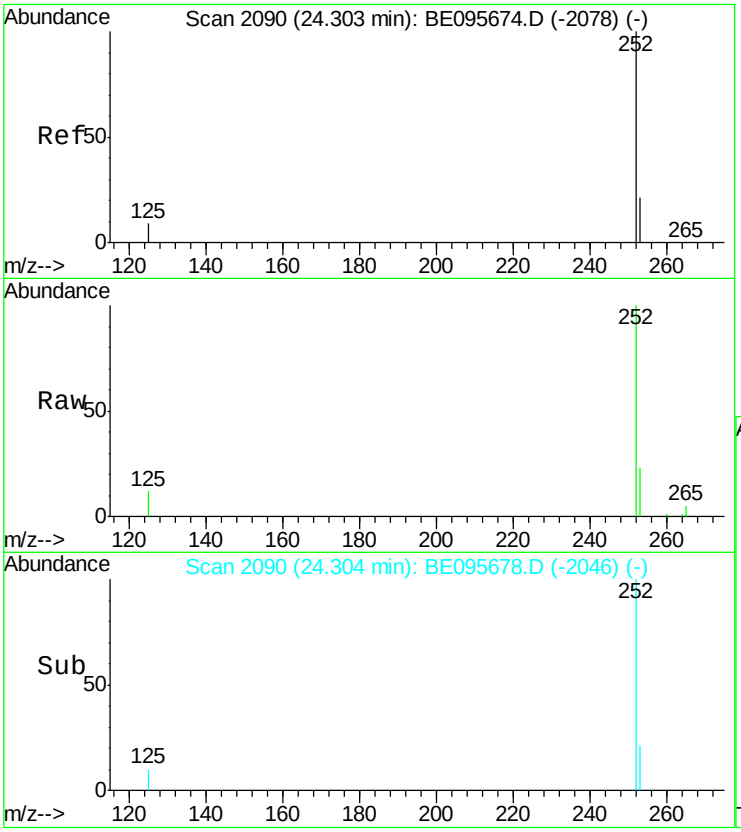


#36
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.66 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:252 Resp: 8098

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	10.9	8.0	12.0



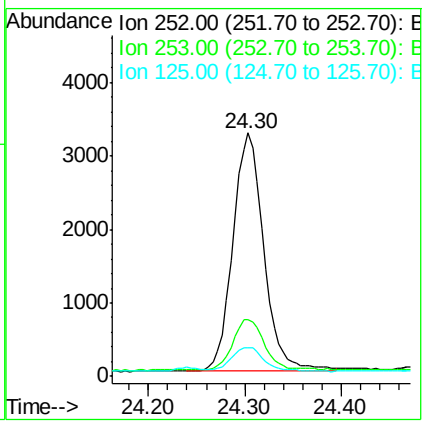


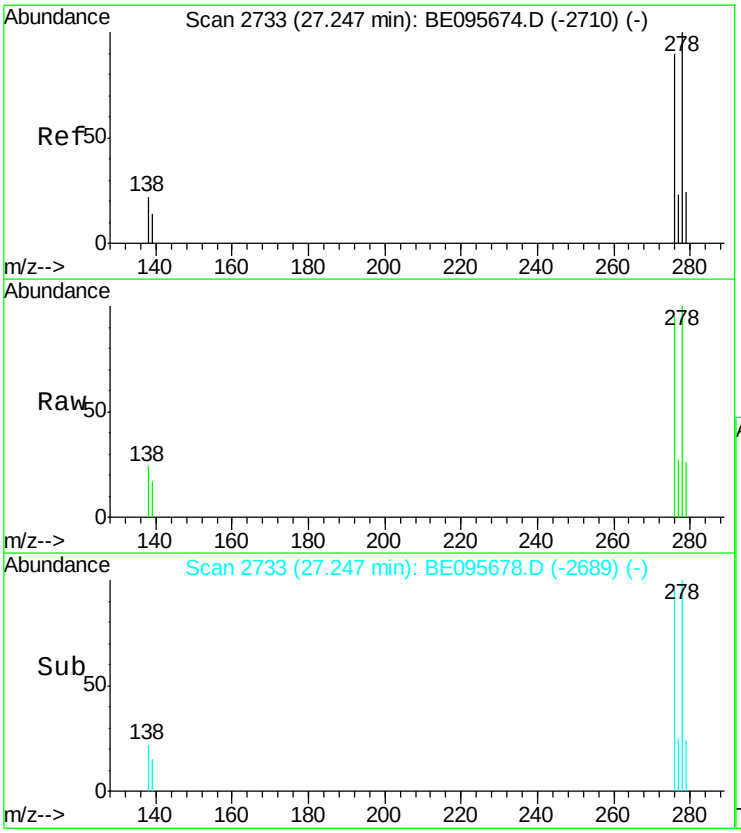
#37
Benzo(a)pyrene
Concen: 0.39 ng
RT: 24.30 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:252 Resp: 7258

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	11.7	12.0	18.0#

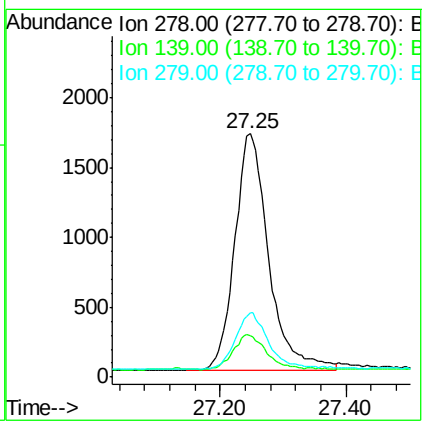


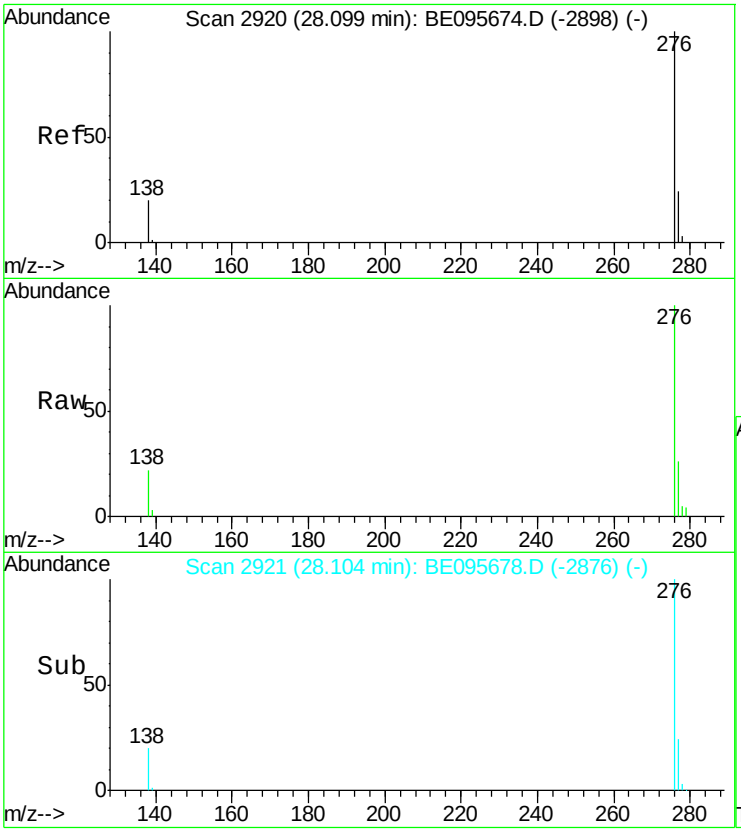


#38
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 27.25 min Scan# 2733
Delta R.T. -0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Tgt Ion:278 Resp: 6364

Ion	Ratio	Lower	Upper
278	100		
139	17.3	16.0	24.0
279	26.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 28.10 min Scan# 2921
Delta R.T. 0.00 min
Lab File: BE095678.D
Acq: 23 Feb 2018 12:08

Instrument :
BNA_E
ClientSampleId :
ICVBE022318

Tgt Ion:276 Resp: 6866

Ion	Ratio	Lower	Upper
276	100		
277	26.1	16.0	24.0#
138	21.8	20.0	30.0