Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
Data File : BE095117.D
Acq On : 25 Jan 2018 16:15
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jan 25 19:26:28 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	5113	0.40	ng		0.00
7) Naphthalene-d8	11.29	136	12118	0.40	ng		-0.02
13) Acenaphthene-d10	15.03	164	7490	0.40	ng		0.00
19) Phenanthrene-d10	17.74	188	17231	0.40	ng		0.00
27) Chrysene-d12	21.82	240	17351	0.40	ng		-0.01
34) Perylene-d12	24.48	264	15549	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.94	112	3567	0.43	ng		0.00
5) Phenol-d6	7.58	99	5487	0.44	ng		0.00
8) Nitrobenzene-d5	9.63	82	5010	0.45	ng		0.00
11) 2-Methylnaphthalene-d10	12.83	152	8309	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.50	330	1017	0.50	ng		0.00
15) 2-Fluorobiphenyl	13.67	172	12509	0.38	ng		-0.01
25) Fluoranthene-d10	19.71	212	88114	0.41	ng		0.00
29) Terphenyl-d14	20.28	244	14497	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	1930	0.384	ng	#	89
3) n-Nitrosodimethylamine	4.01	42	2598	0.433	ng		91
6) bis(2-Chloroethyl)ether	7.85	93	4617	0.395	ng		91
9) Naphthalene	11.34	128	56595	0.408	ng		99
10) Hexachlorobutadiene	11.61	225	2595	0.417	ng		95
12) 2-Methylnaphthalene	12.91	142	9711	0.408	ng		97
16) Acenaphthylene	14.77	152	15660	0.391	ng		99
17) Acenaphthene	15.09	154	9948	0.381	ng		96
18) Fluorene	16.05	166	12799	0.393	ng	#	79
20) 4-Bromophenyl-phenylether	16.92	248	3975	0.392	ng	#	66
21) Hexachlorobenzene	17.06	284	4045	0.397	ng	#	83
22) Pentachlorophenol	17.39	266	1251	0.584	ng	#	74
23) Phenanthrene	17.77	178	21110	0.396	ng		98
24) Anthracene	17.86	178	18901	0.398	ng		95
26) Fluoranthene	19.74	202	25301	0.396	ng		98
28) Pyrene	20.10	202	31750	0.433	ng		99
30) Benzo(a)anthracene	21.81	228	22273	0.410	ng		97
31) Chrysene	21.87	228	21374	0.390	ng		100
32) Bis(2-ethylhexyl)phthalate	21.68	149	43207	0.572	ng		100
33) Indeno(1,2,3-cd)pyrene	27.30	276	21823	0.437	ng		95
35) Benzo(b)fluoranthene	23.65	252	20920	0.379	ng	#	89
36) Benzo(k)fluoranthene	23.71	252	21494	0.381	ng		96
37) Benzo(a)pyrene	24.35	252	19656	0.389	ng		93
38) Dibenzo(a,h)anthracene	27.32	278	17562	0.412	ng	#	96
39) Benzo(g,h,i)perylene	28.18	276	18071	0.392	ng	#	91

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

Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
Data File : BE095117.D
Acq On : 25 Jan 2018 16:15
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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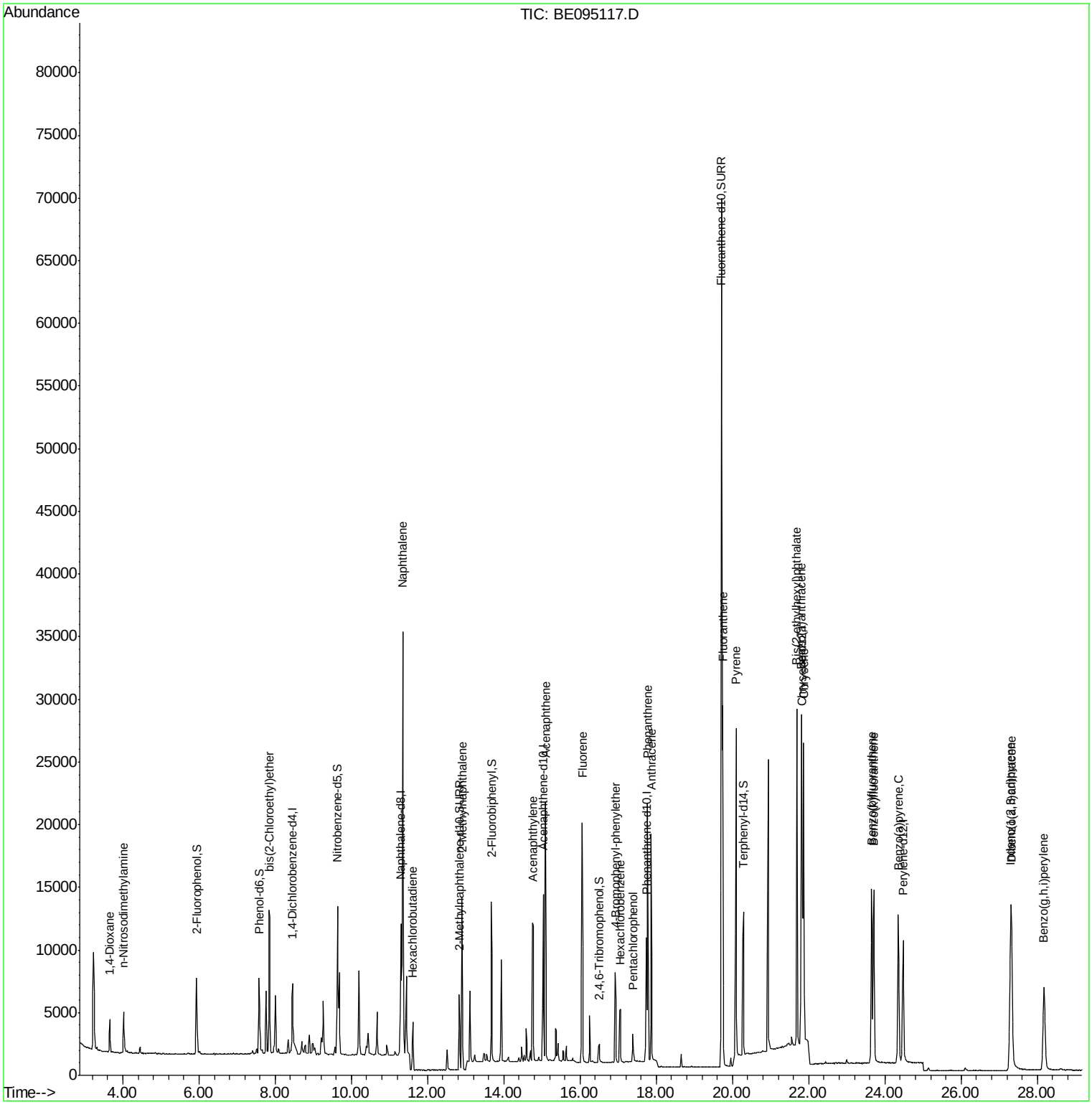
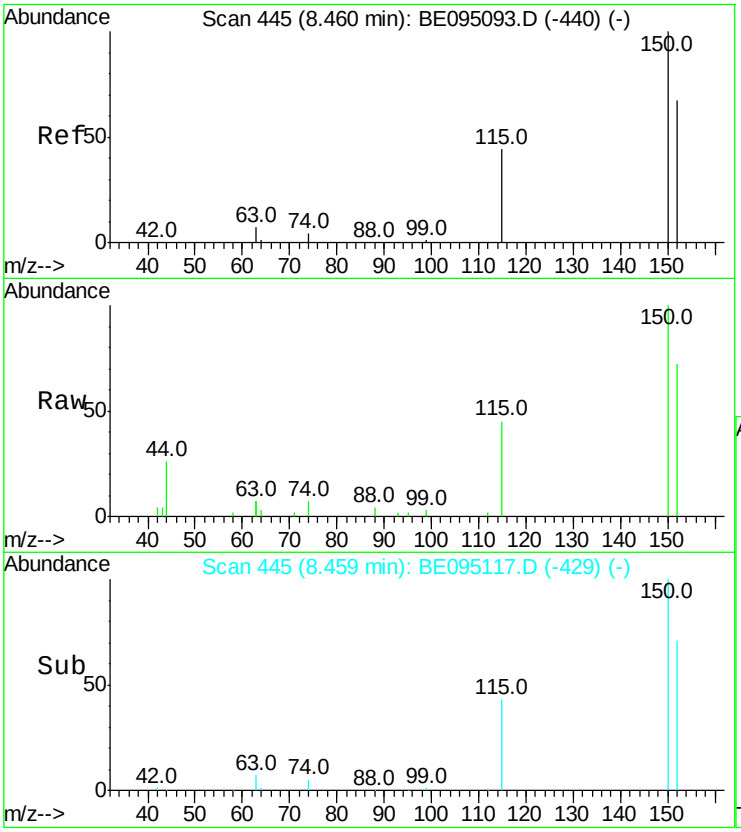
Quant Time: Jan 25 19:26:28 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE012318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 15:47:25 2018
Response via : Initial Calibration



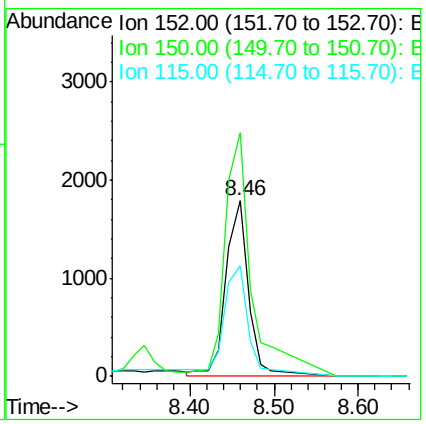


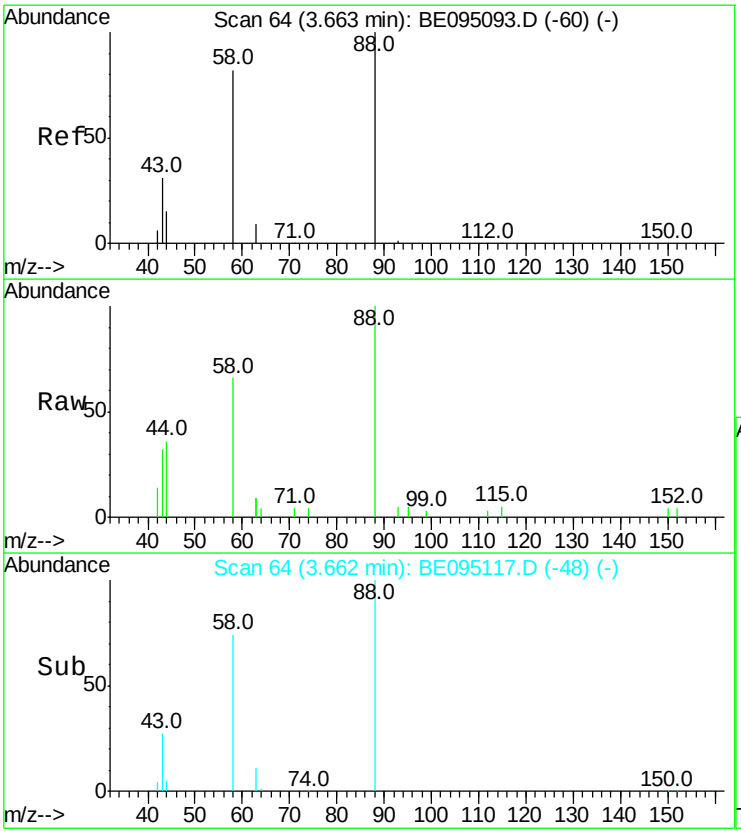
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5113

Ion	Ratio	Lower	Upper
152	100		
150	138.8	117.2	175.8
115	62.8	57.0	85.6

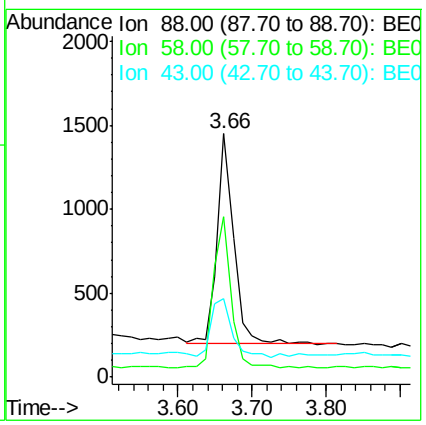


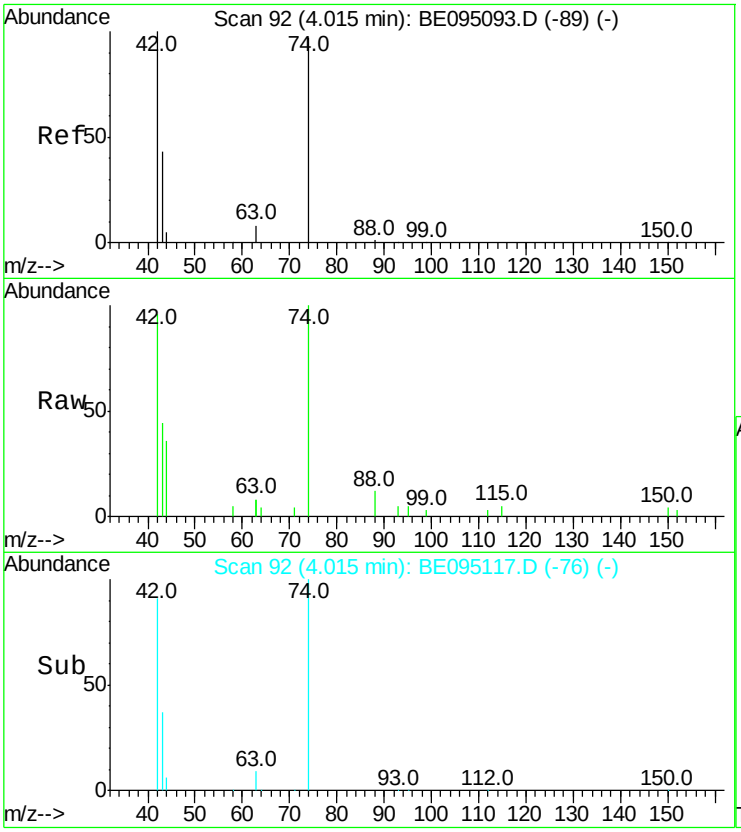


#2
1,4-Dioxane
Concen: 0.384 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion: 88 Resp: 1930

Ion	Ratio	Lower	Upper
88	100		
58	76.4	63.2	94.8
43	35.9	41.2	61.8#



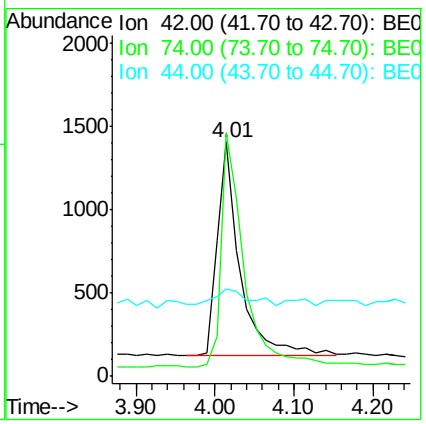


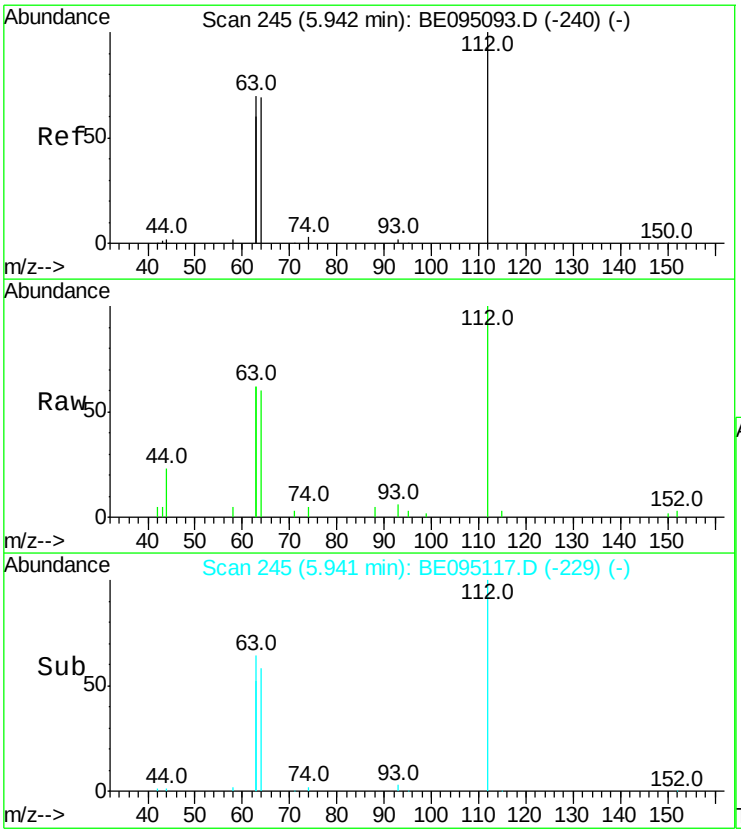
#3
n-Nitrosodimethylamine
Concen: 0.433 ng
RT: 4.01 min Scan# 92
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2598

Ion	Ratio	Lower	Upper
42	100		
74	109.3	96.0	144.0
44	12.0	12.0	18.0

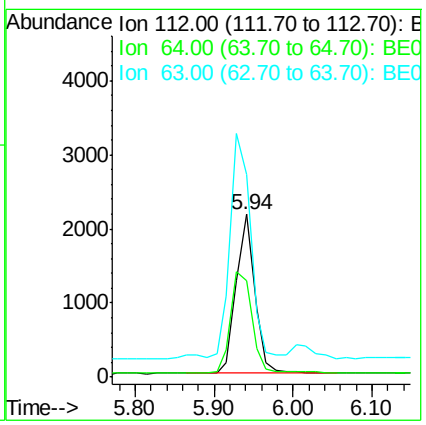


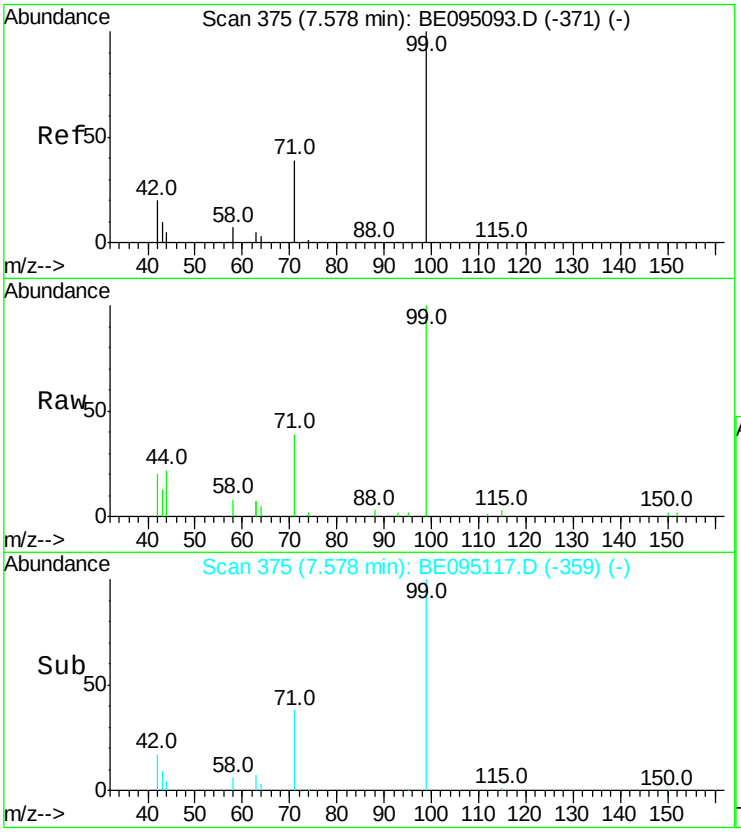


#4
2-Fluorophenol
Concen: 0.431 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:112 Resp: 3567

Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	156.8	116.8	175.2



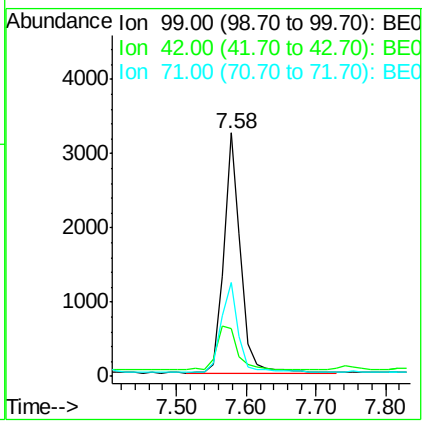


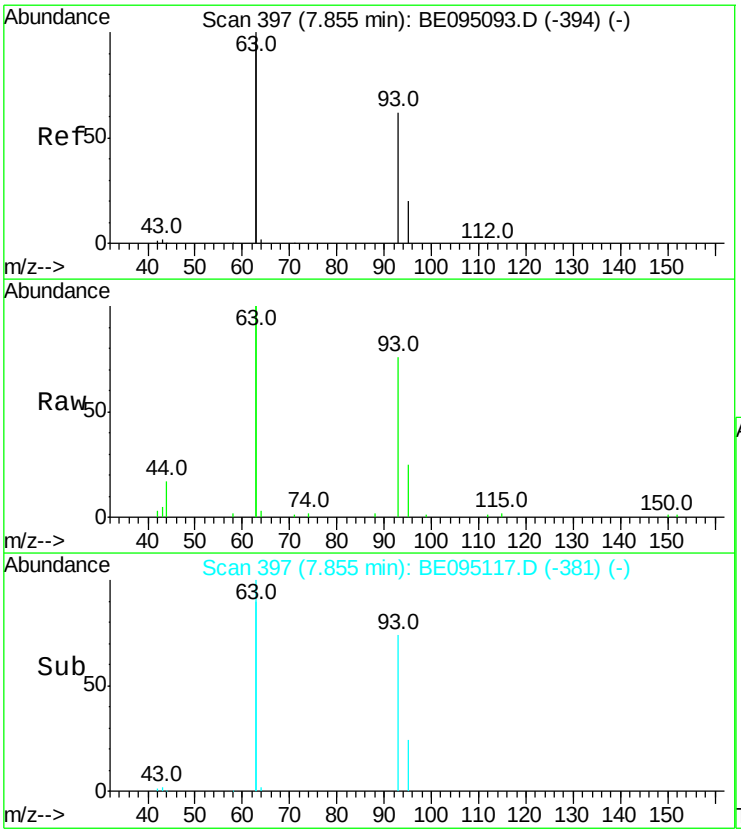
#5
Phenol-d6
Concen: 0.437 ng
RT: 7.58 min Scan# 375
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5487

Ion	Ratio	Lower	Upper
99	100		
42	22.9	20.2	30.2
71	38.8	28.4	42.6

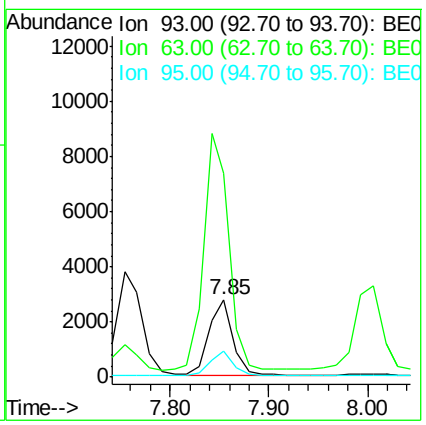


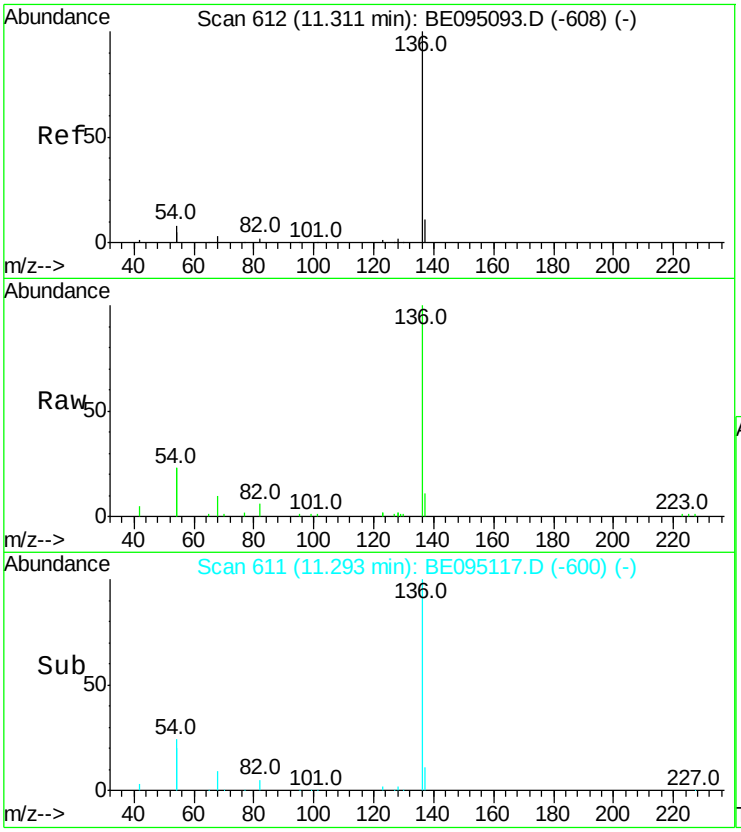


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.85 min Scan# 397
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion: 93 Resp: 4617

Ion	Ratio	Lower	Upper
93	100		
63	324.3	275.3	412.9
95	31.1	25.2	37.8



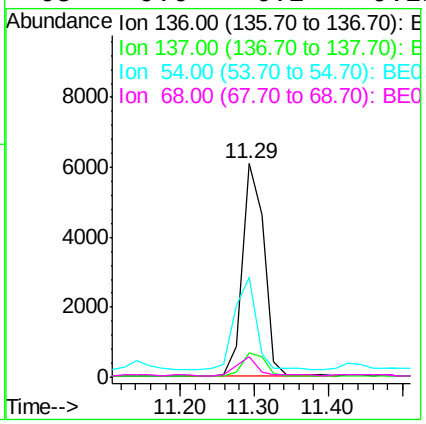


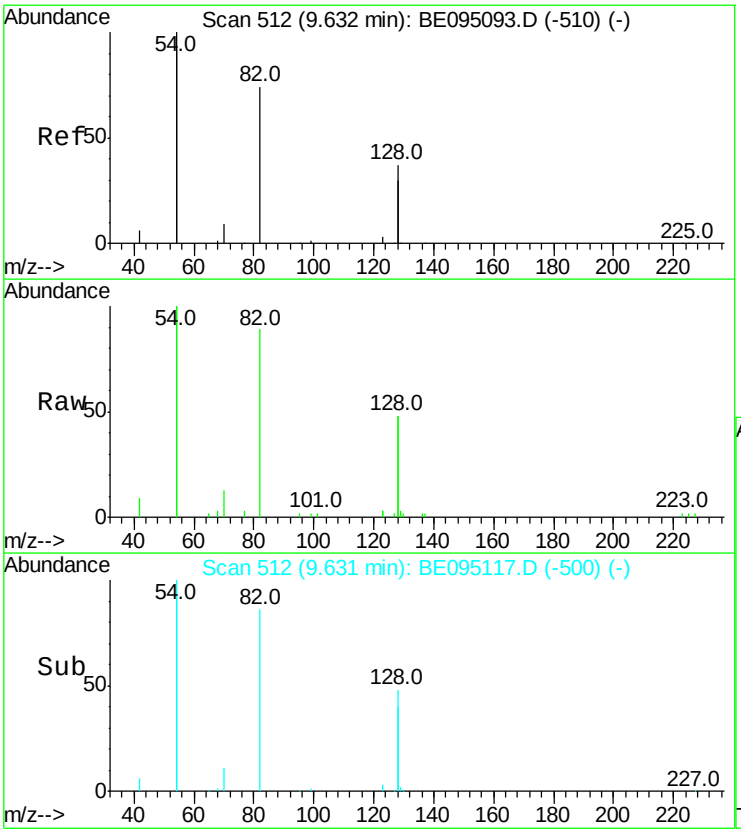
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.29 min Scan# 611
Delta R.T. -0.02 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 12118

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	46.9	29.1	43.7#
68	9.6	6.2	9.2#

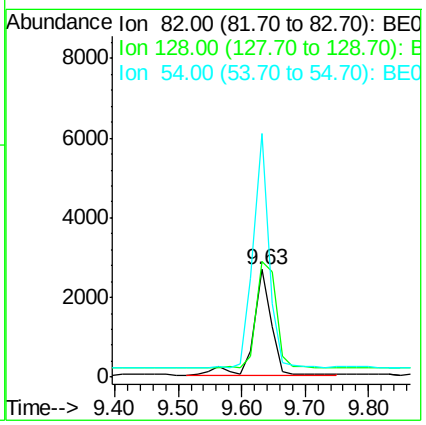


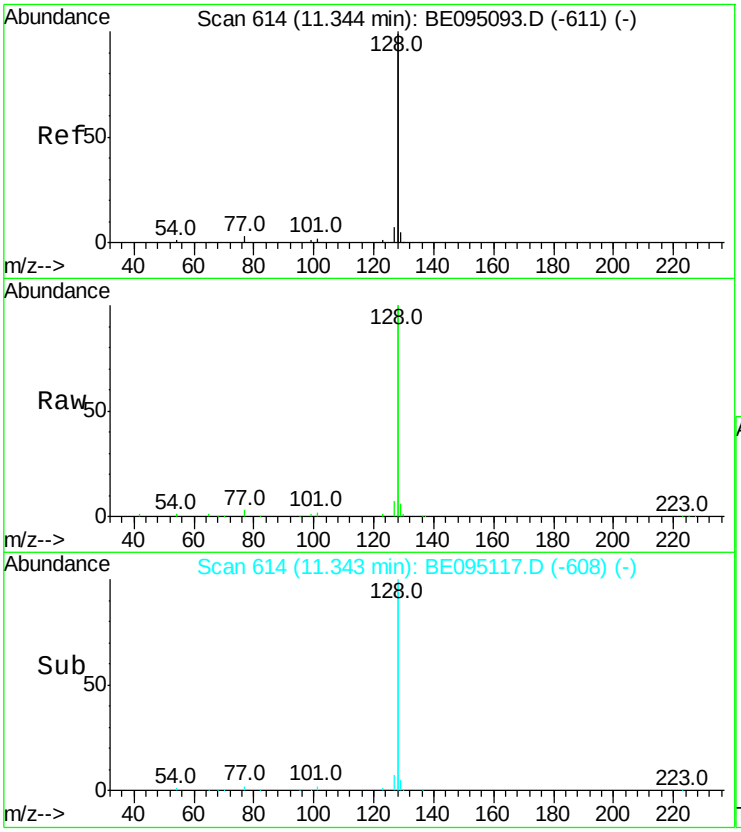


#8
Nitrobenzene-d5
Concen: 0.454 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion: 82 Resp: 5010

Ion	Ratio	Lower	Upper
82	100		
128	107.8	150.0	225.0#
54	225.9	154.2	231.4



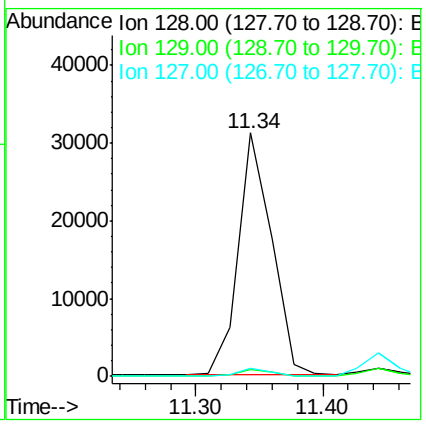


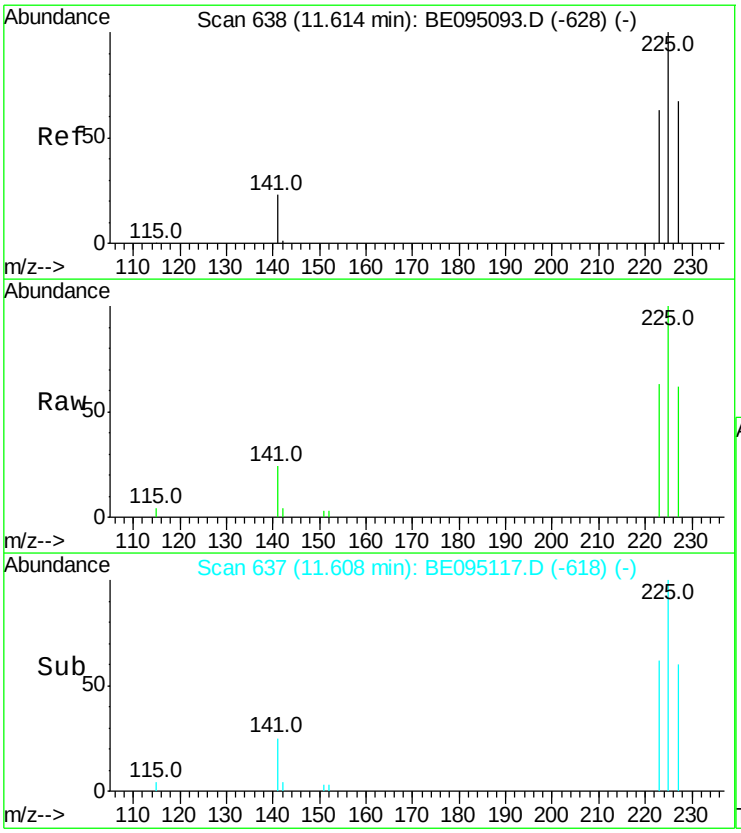
#9
Naphthalene
Concen: 0.408 ng
RT: 11.34 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 56595

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	3.8
127	3.4	2.8	4.2

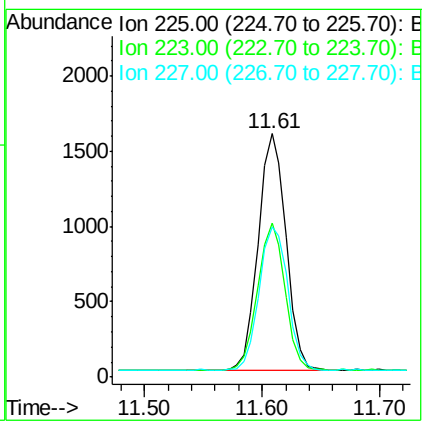


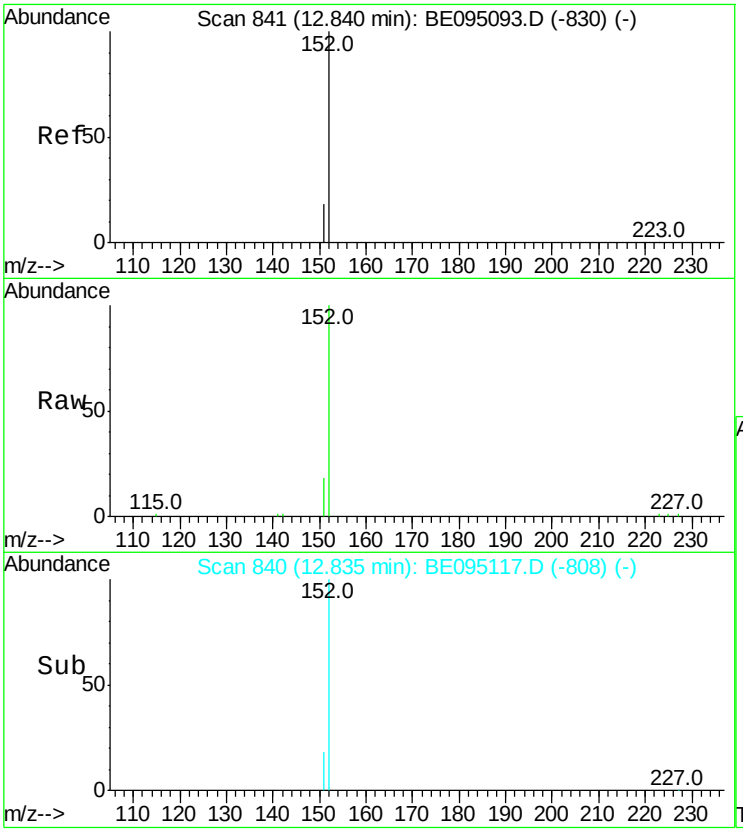


#10
Hexachlorobutadiene
Concen: 0.417 ng
RT: 11.61 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:225 Resp: 2595

Ion	Ratio	Lower	Upper
225	100		
223	61.4	53.0	79.6
227	62.0	51.4	77.2



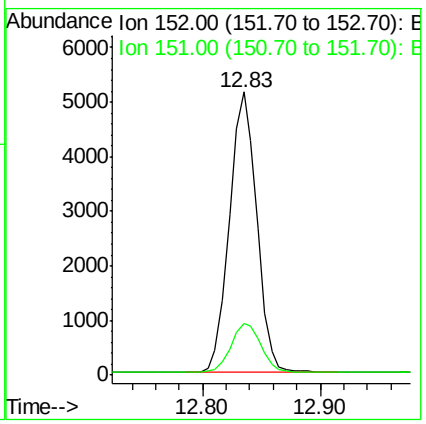


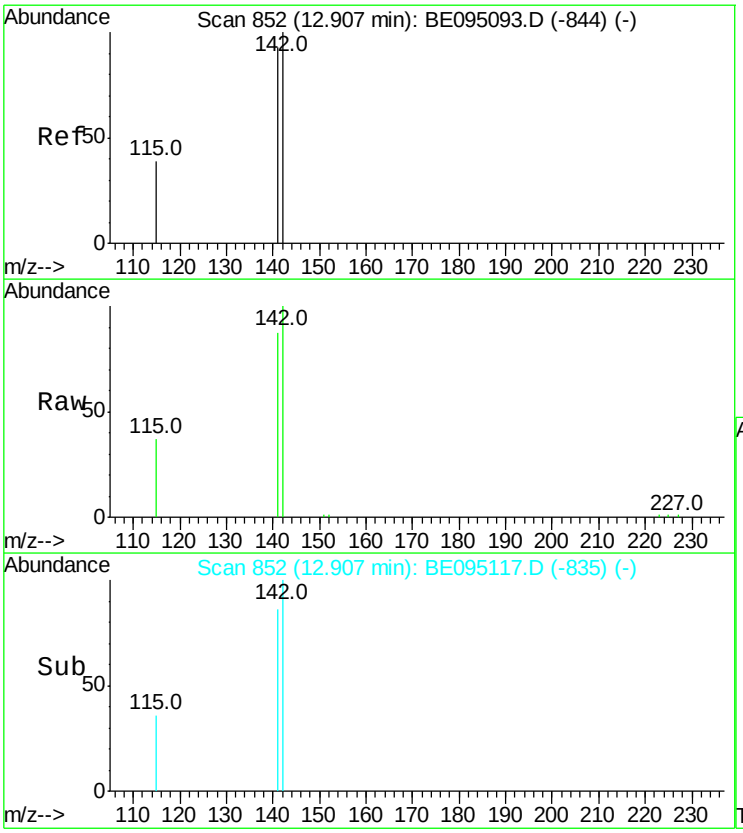
#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8309

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

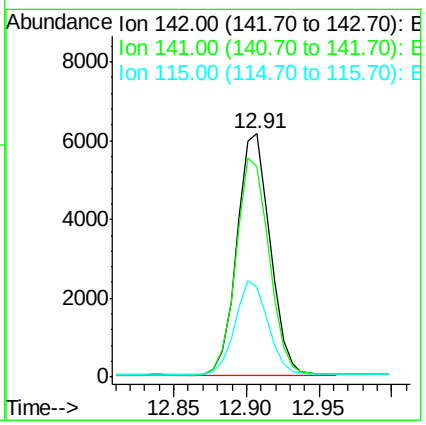


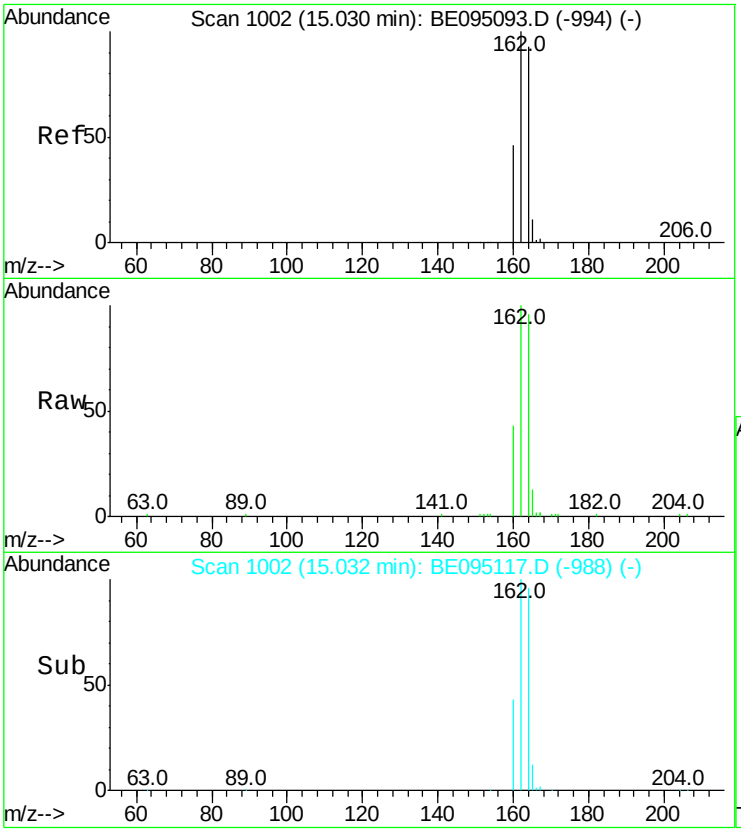


#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 12.91 min Scan# 852
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:142 Resp: 9711

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.4	105.6
115	36.8	31.7	47.5



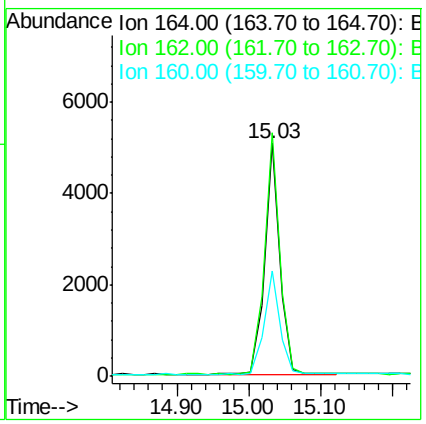


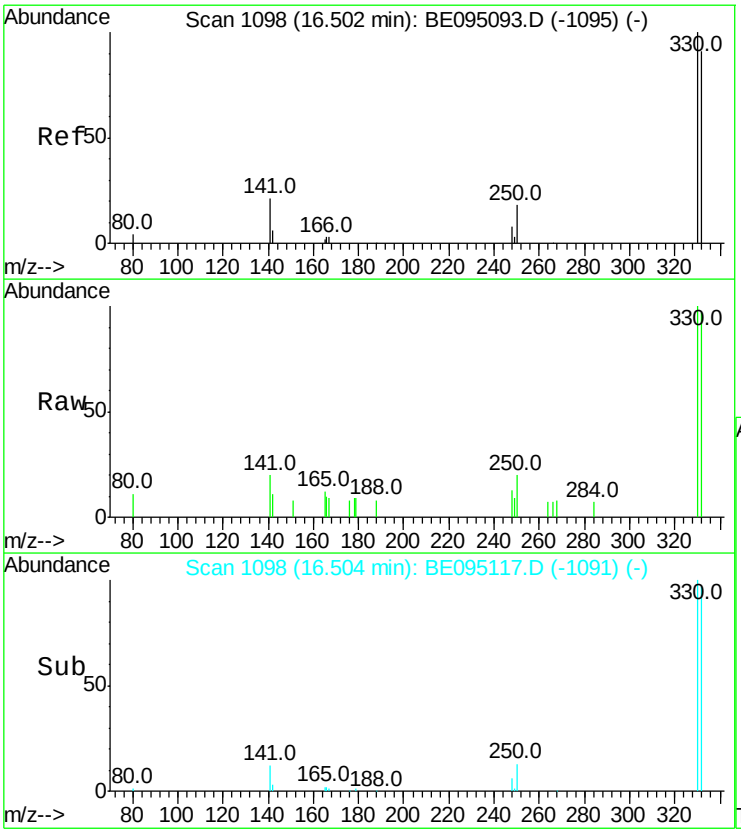
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.03 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7490

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	45.2	37.1	55.7

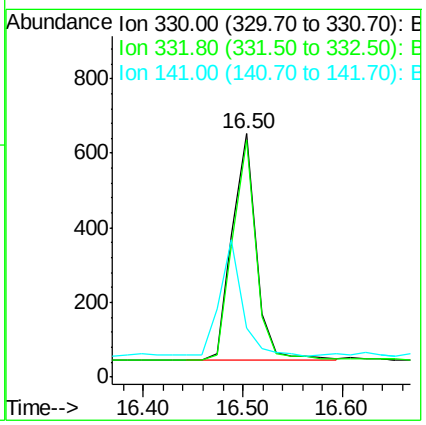


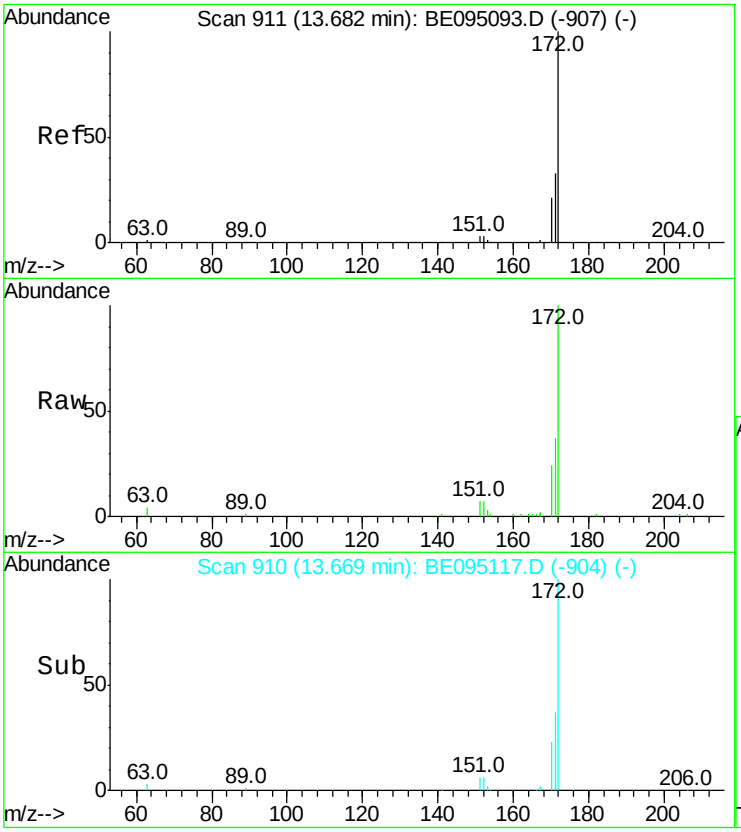


#14
2,4,6-Tribromophenol
Concen: 0.496 ng
RT: 16.50 min Scan# 1098
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:330 Resp: 1017

Ion	Ratio	Lower	Upper
330	100		
332	95.6	152.7	229.1#
141	48.9	33.7	50.5



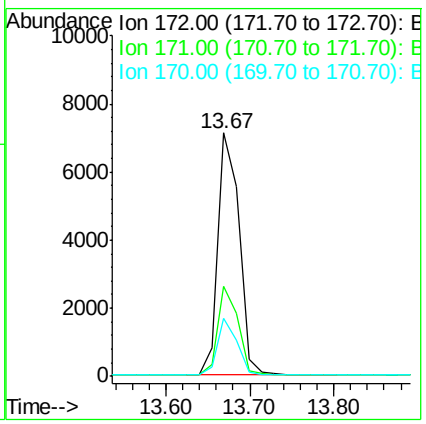


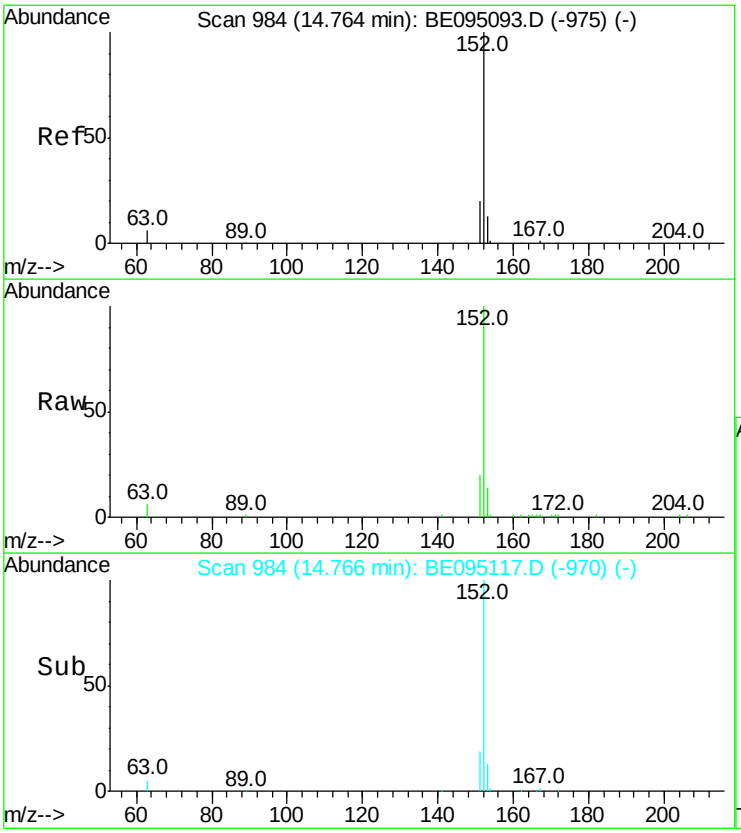
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.67 min Scan# 910
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 12509

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	23.9	21.8	32.8

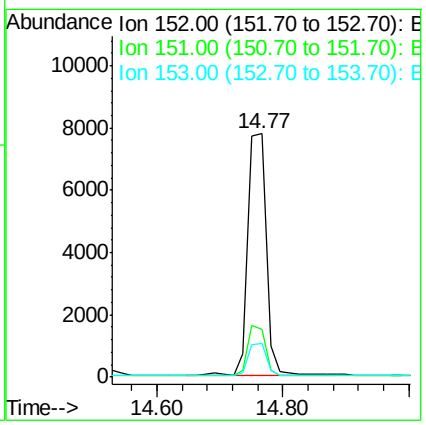


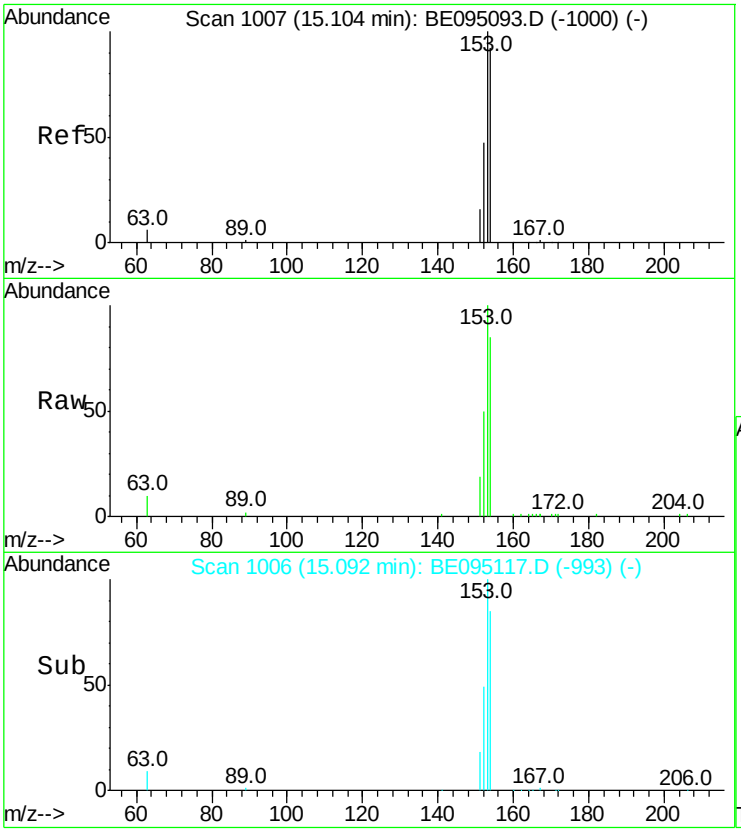


#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.77 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:152 Resp: 15660

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.3	10.5	15.7



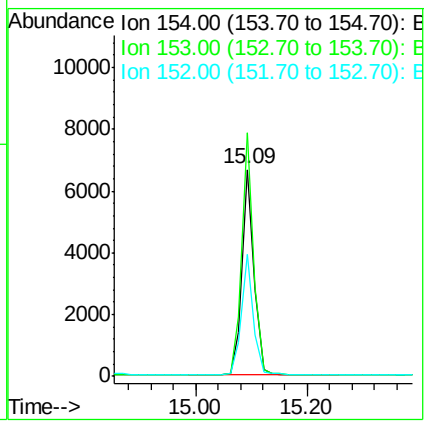


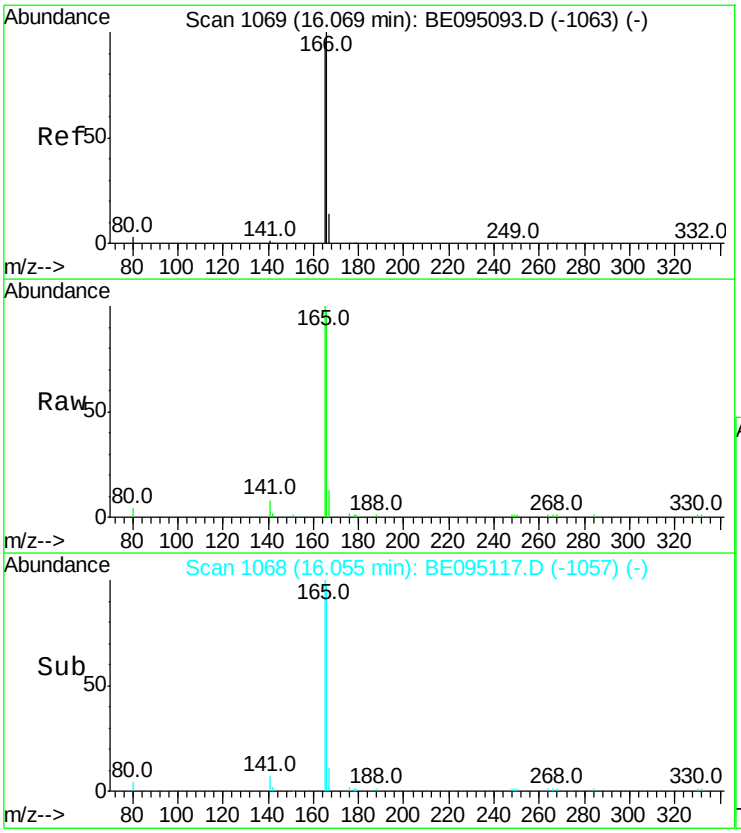
#17
Acenaphthene
Concen: 0.381 ng
RT: 15.09 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9948

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.2	133.8
152	57.0	42.0	63.0

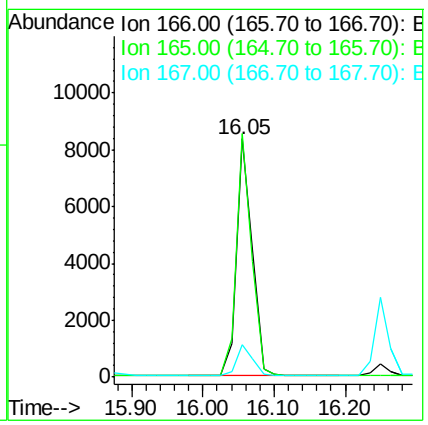


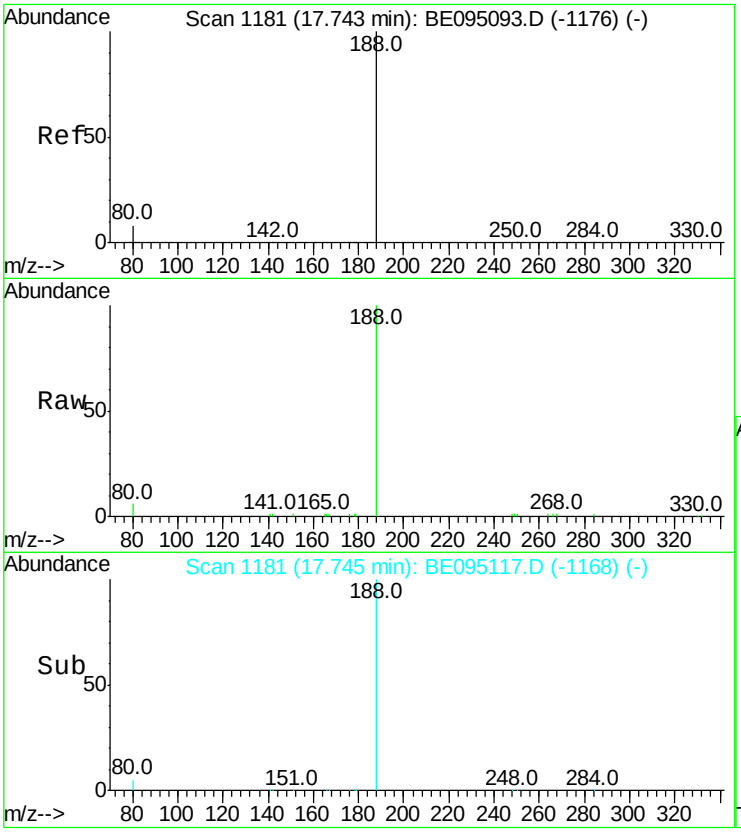


#18
Fluorene
Concen: 0.393 ng
RT: 16.05 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:166 Resp: 12799

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.6
167	13.4	42.4	63.6#



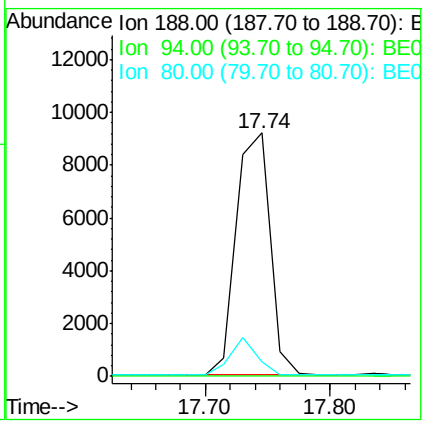


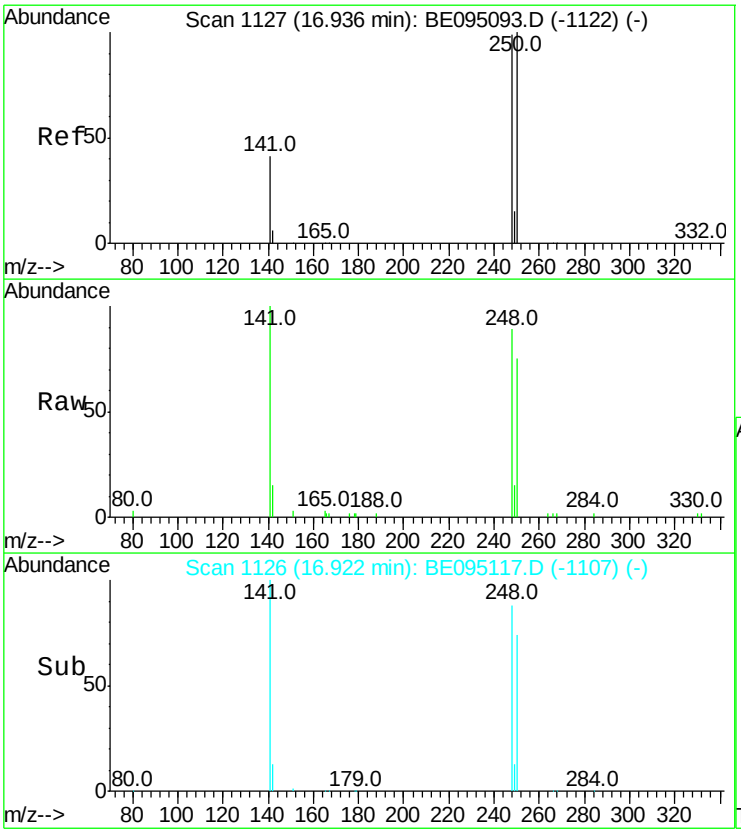
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 17231

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	6.1	3.6	5.4#

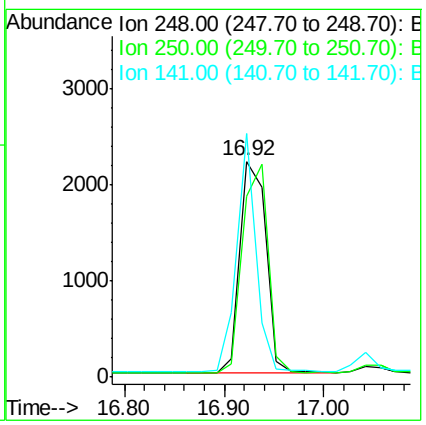


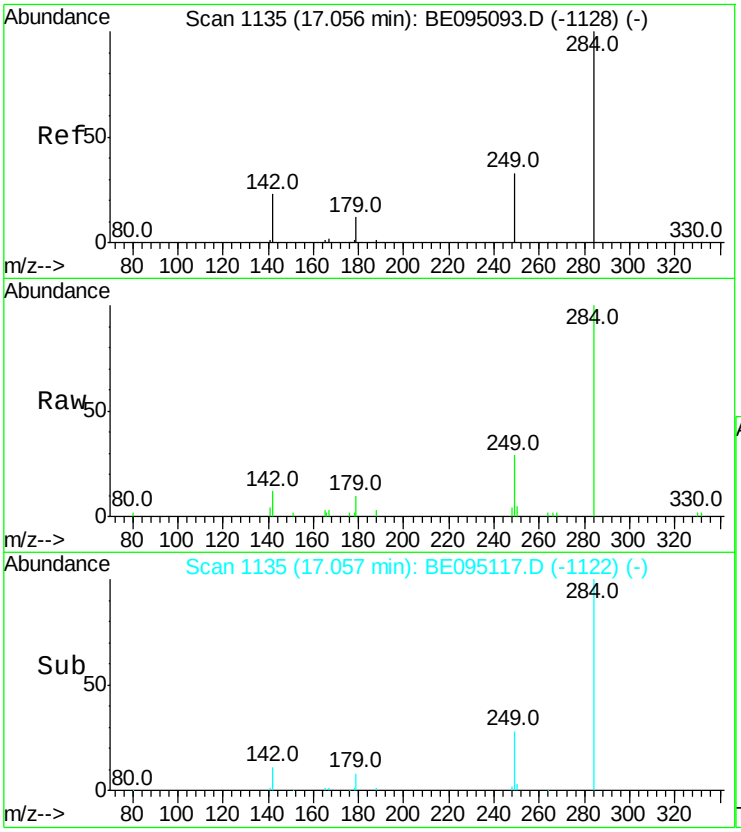


#20
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.92 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:248 Resp: 3975

Ion	Ratio	Lower	Upper
248	100		
250	84.0	62.7	94.1
141	112.8	48.2	72.2#



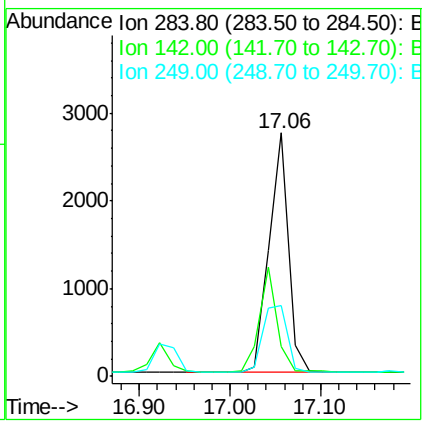


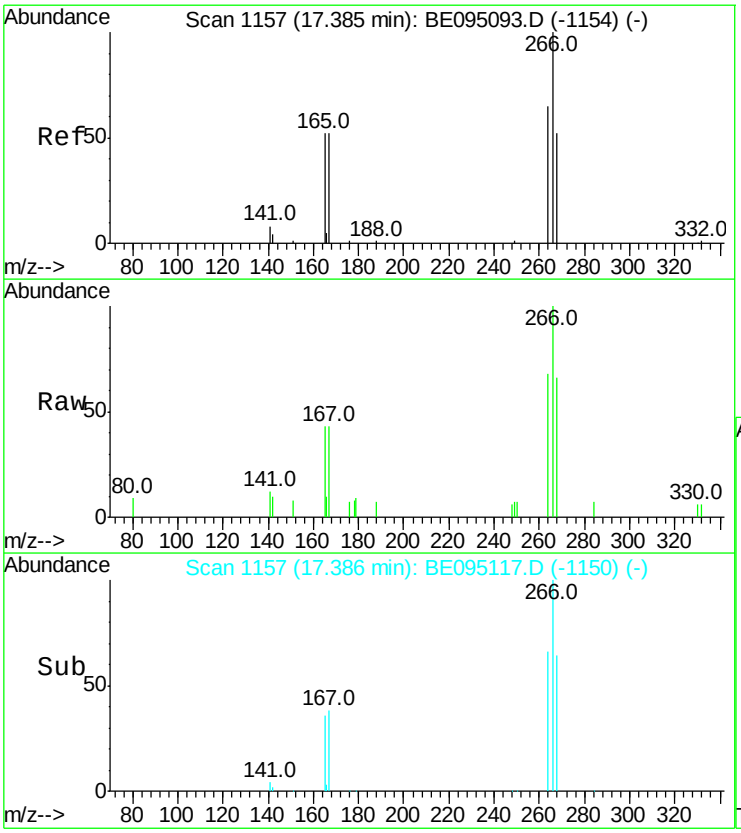
#21
Hexachlorobenzene
Concen: 0.397 ng
RT: 17.06 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4045

Ion	Ratio	Lower	Upper
284	100		
142	39.7	22.1	33.1#
249	34.9	34.8	52.2

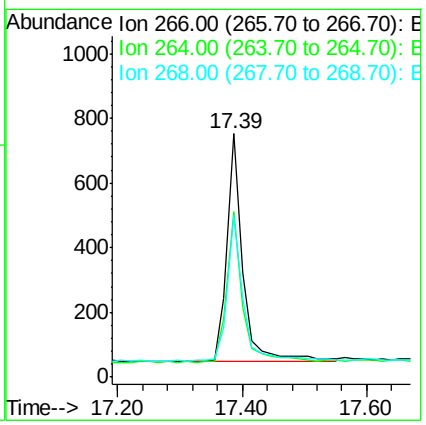


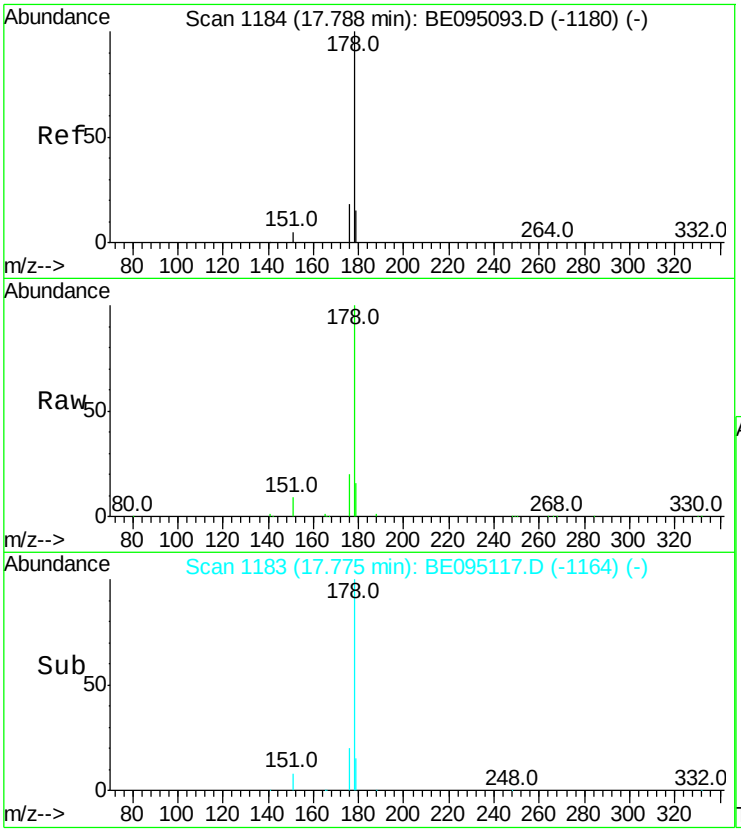


#22
Pentachlorophenol
Concen: 0.584 ng
RT: 17.39 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:266 Resp: 1251

Ion	Ratio	Lower	Upper
266	100		
264	67.7	72.5	108.7#
268	66.4	73.8	110.6#



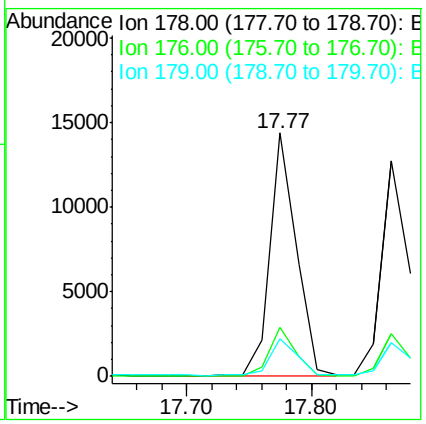


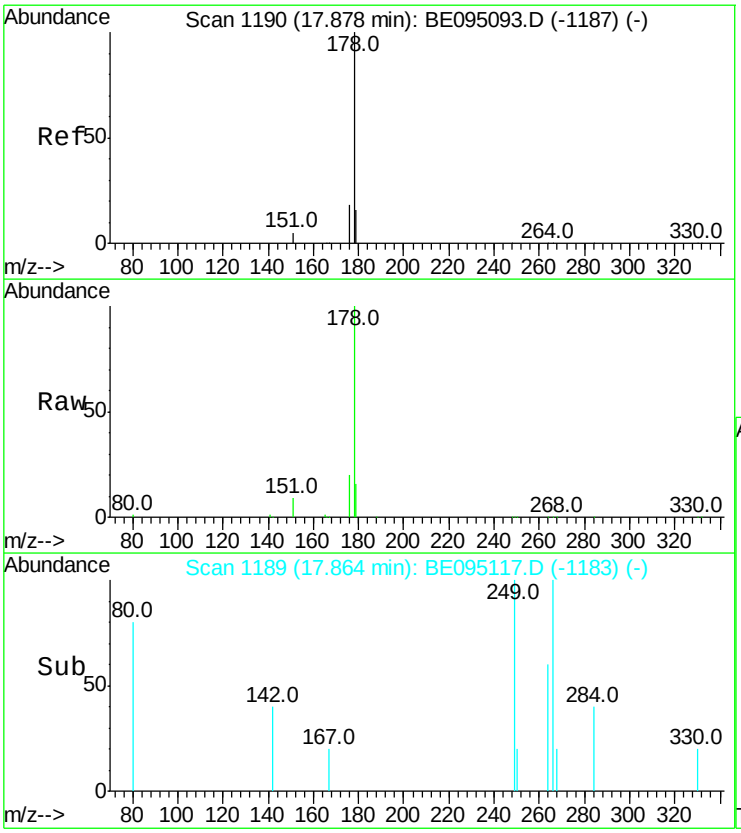
#23
Phenanthrene
Concen: 0.396 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 21110

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.9	11.8	17.6

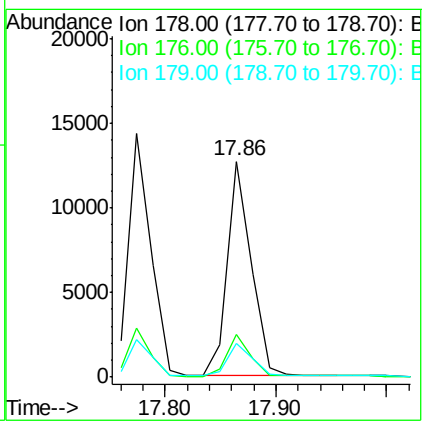


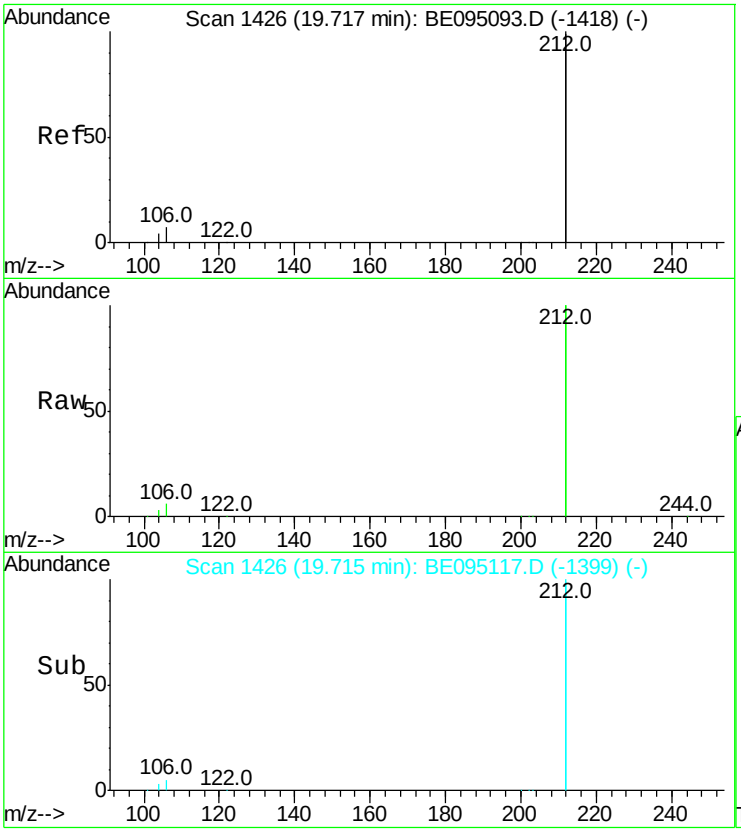


#24
Anthracene
Concen: 0.398 ng
RT: 17.86 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:178 Resp: 18901

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.5	13.0	19.6



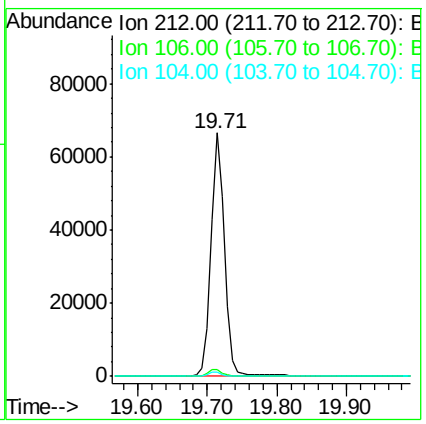


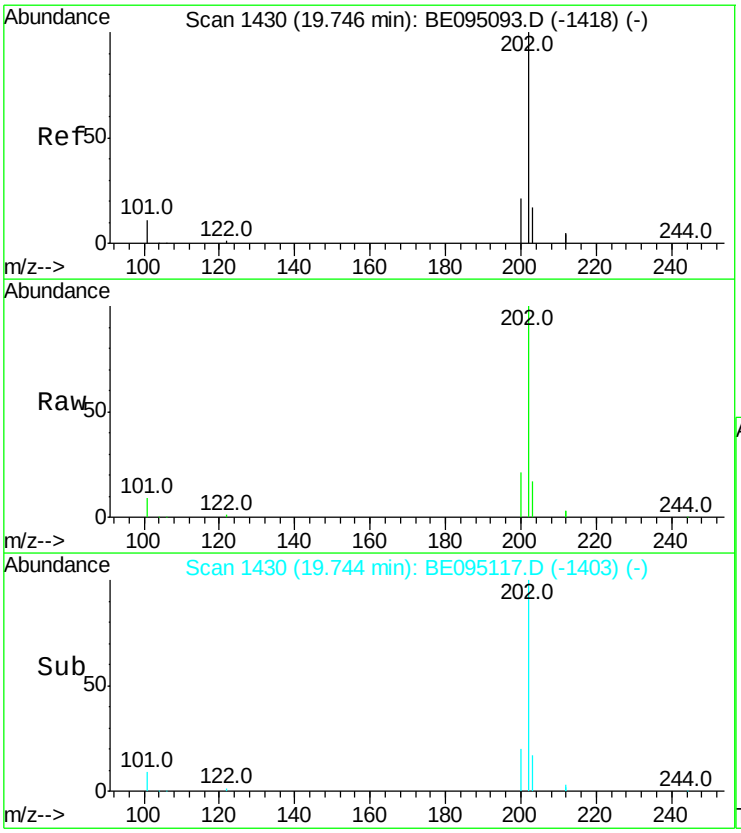
#25
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.71 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 88114

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.7	1.6	2.4

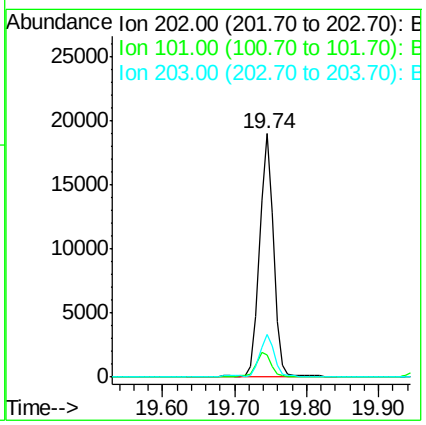


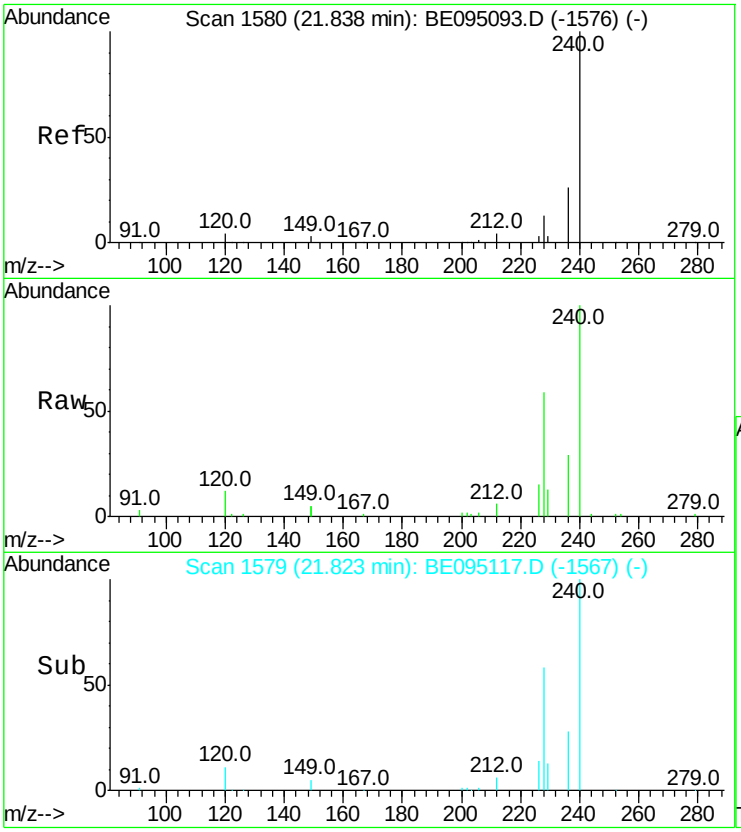


#26
Fluoranthene
Concen: 0.396 ng
RT: 19.74 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:202 Resp: 25301

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
203	17.2	13.7	20.5



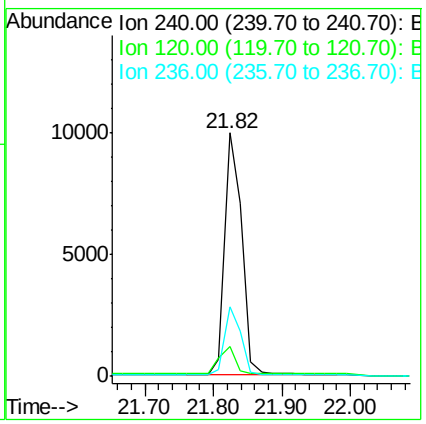


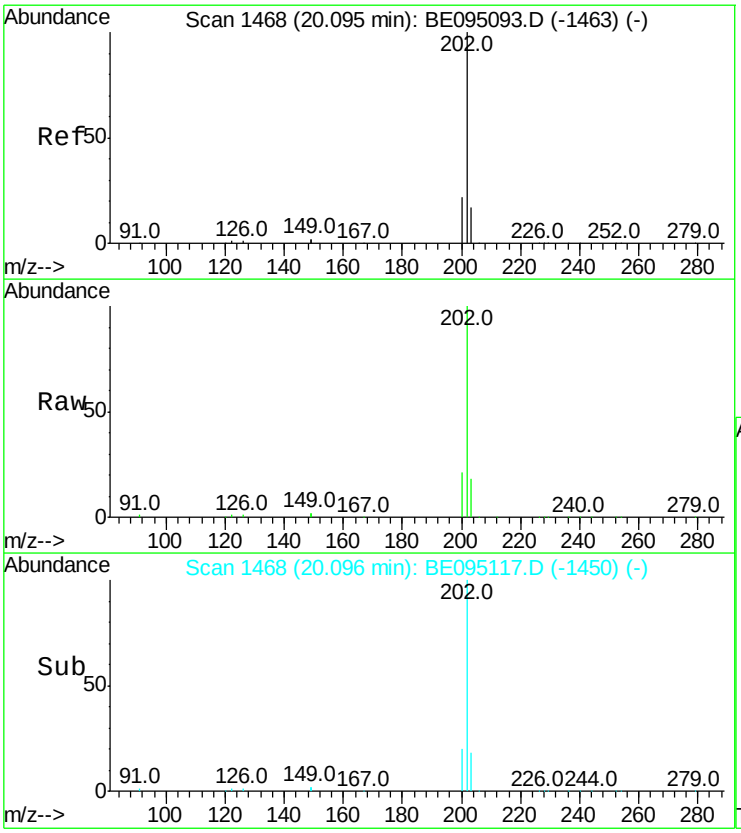
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.82 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 17351

Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.5	8.3#
236	28.7	20.7	31.1

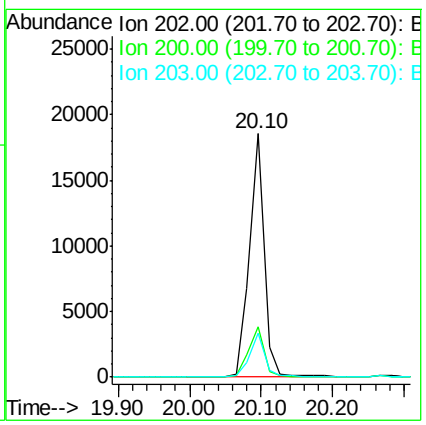


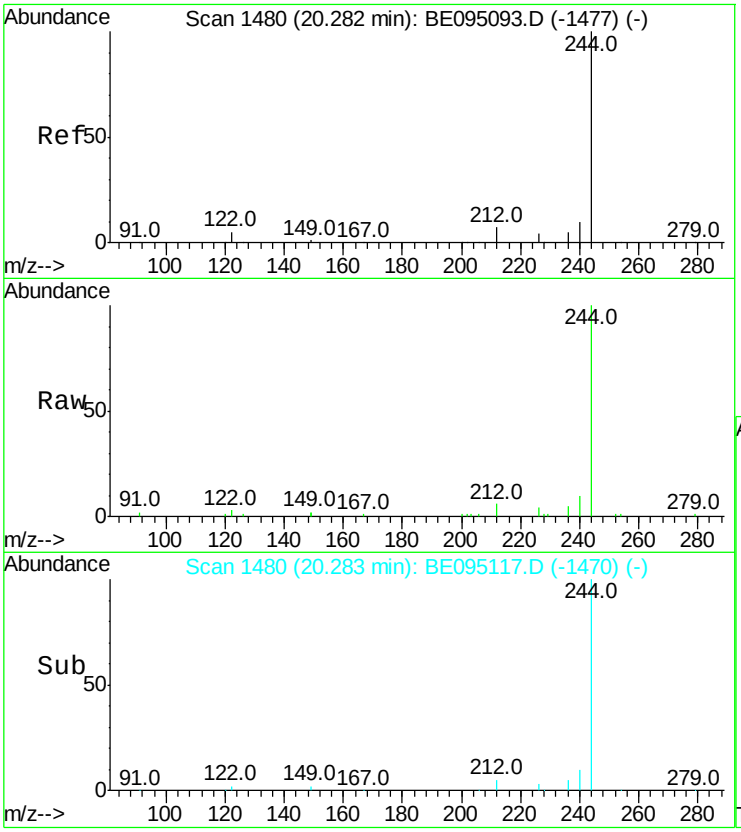


#28
Pyrene
Concen: 0.433 ng
RT: 20.10 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:202 Resp: 31750

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	25.0
203	17.5	13.8	20.8



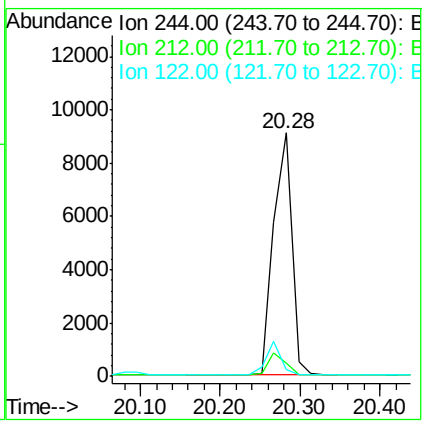


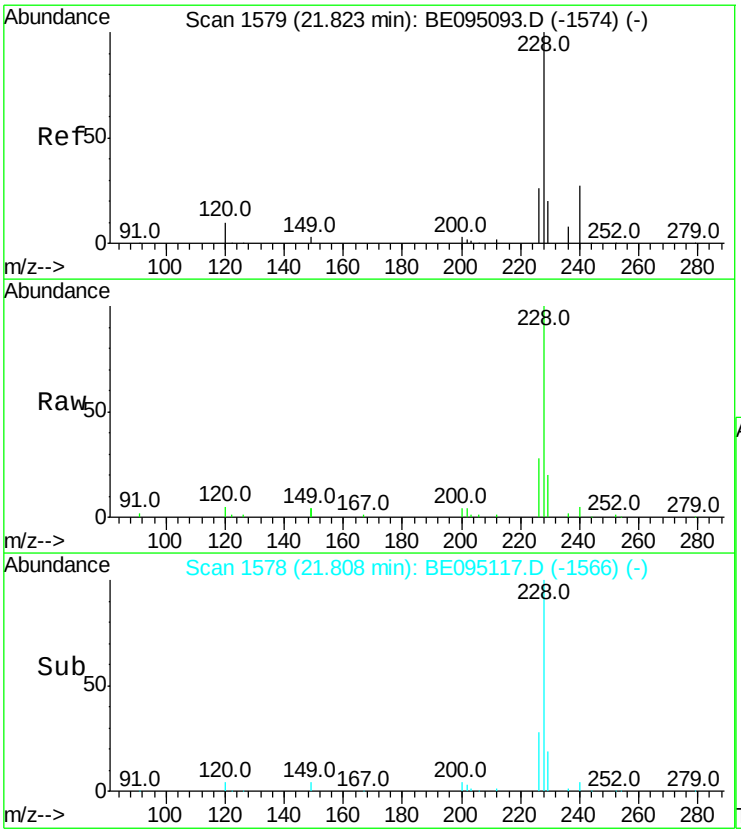
#29
Terphenyl-d14
Concen: 0.408 ng
RT: 20.28 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 14497

Ion	Ratio	Lower	Upper
244	100		
212	5.7	25.4	38.0#
122	2.7	8.1	12.1#

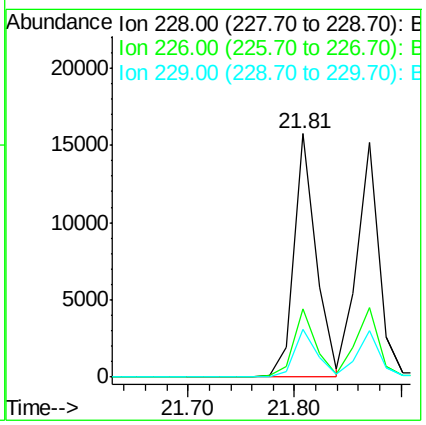


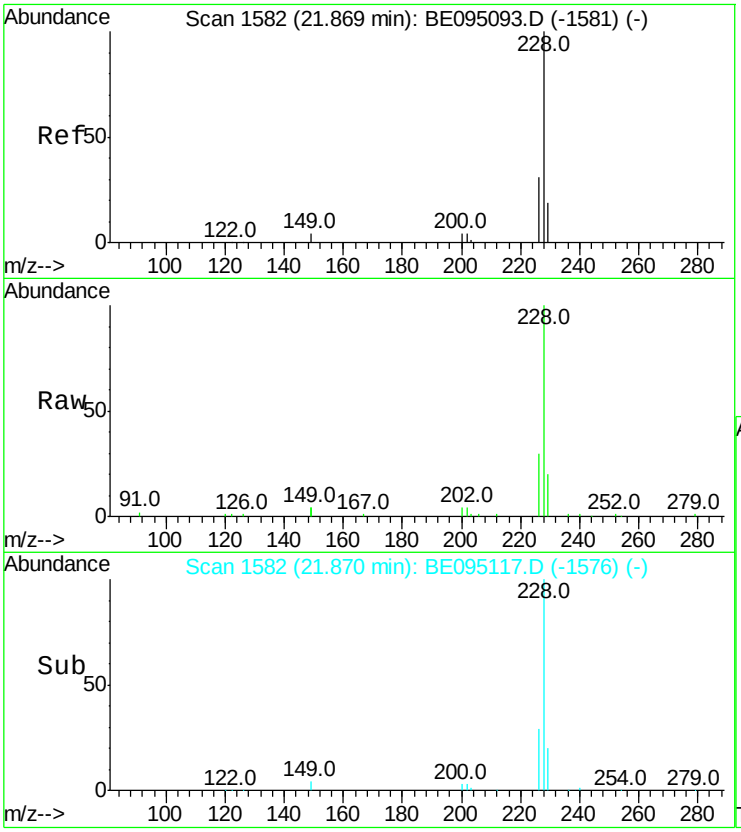


#30
Benzo(a)anthracene
Concen: 0.410 ng
RT: 21.81 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:228 Resp: 22273

Ion	Ratio	Lower	Upper
228	100		
226	27.8	24.0	36.0
229	19.7	16.0	24.0



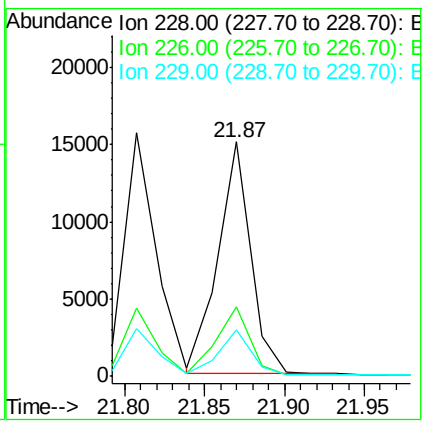


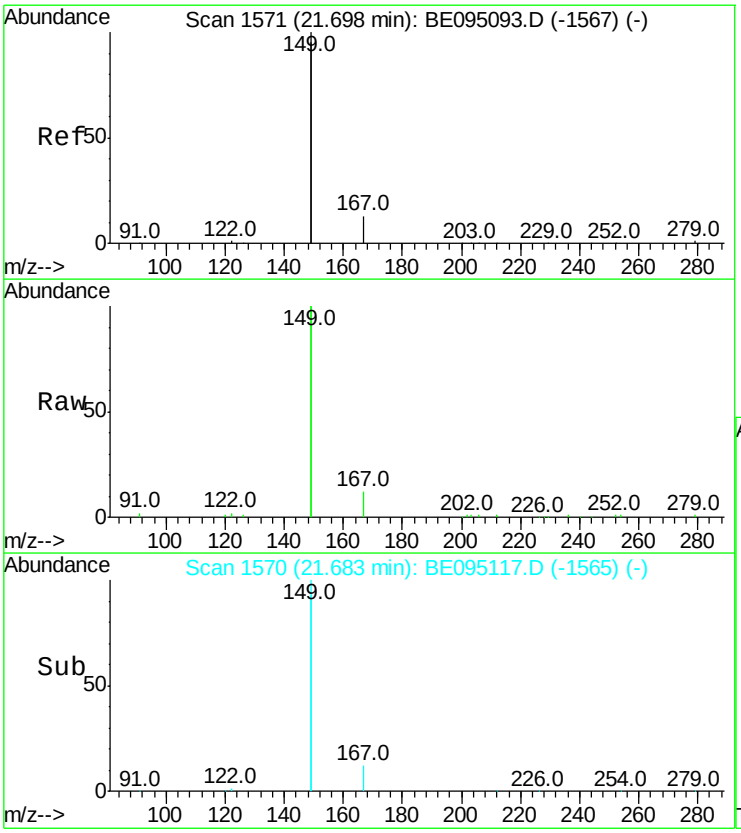
#31
Chrysene
Concen: 0.390 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 21374

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.1	16.0	24.0

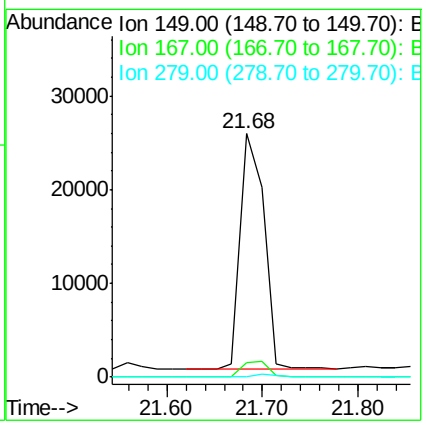


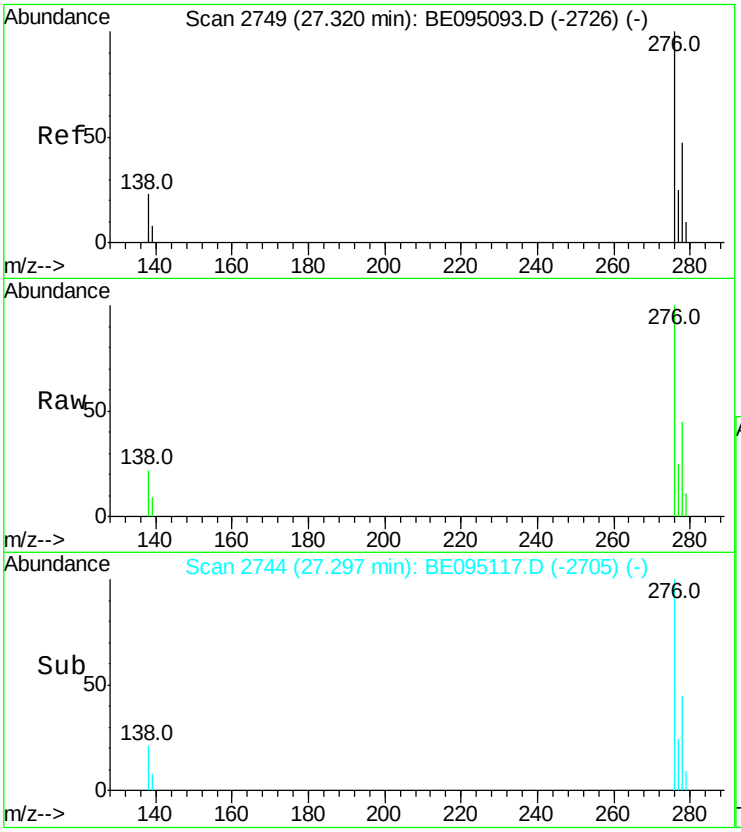


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.572 ng
RT: 21.68 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:149 Resp: 43207

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



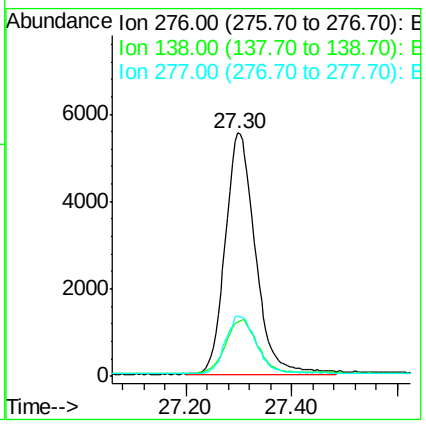


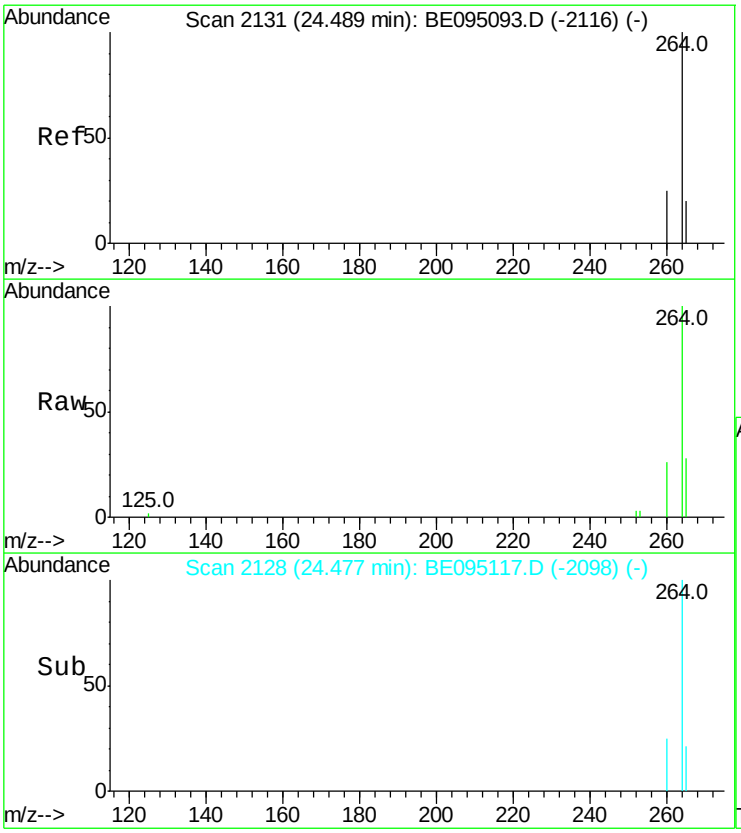
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 27.30 min Scan# 2744
Delta R.T. -0.02 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 21823

Ion	Ratio	Lower	Upper
276	100		
138	23.4	22.5	33.7
277	24.5	19.9	29.9

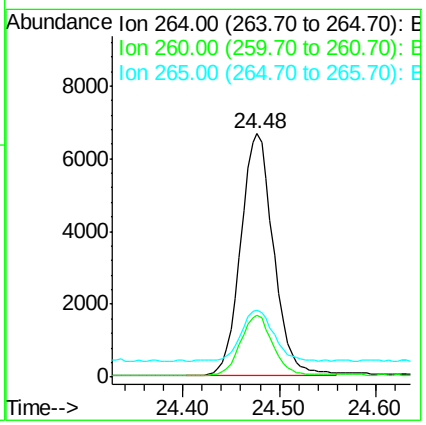


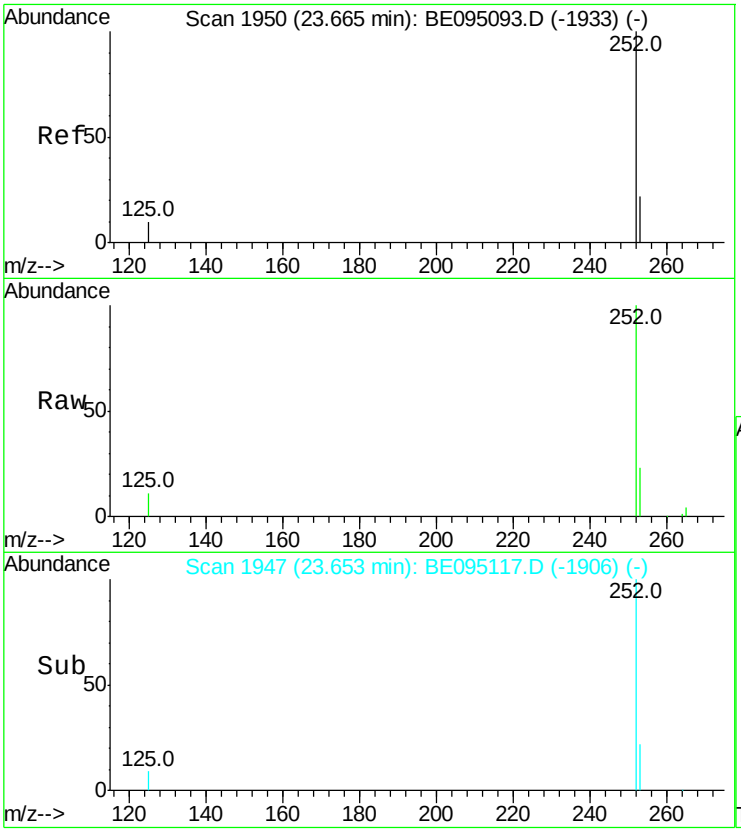


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.48 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:264 Resp: 15549

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	27.6	22.8	34.2



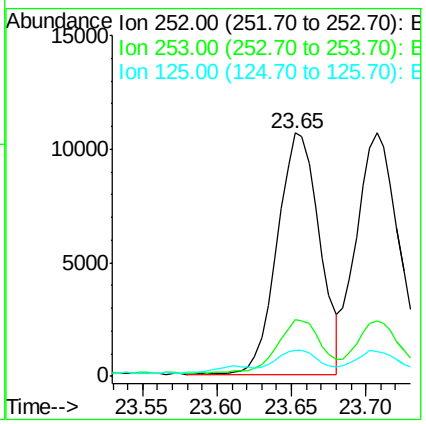


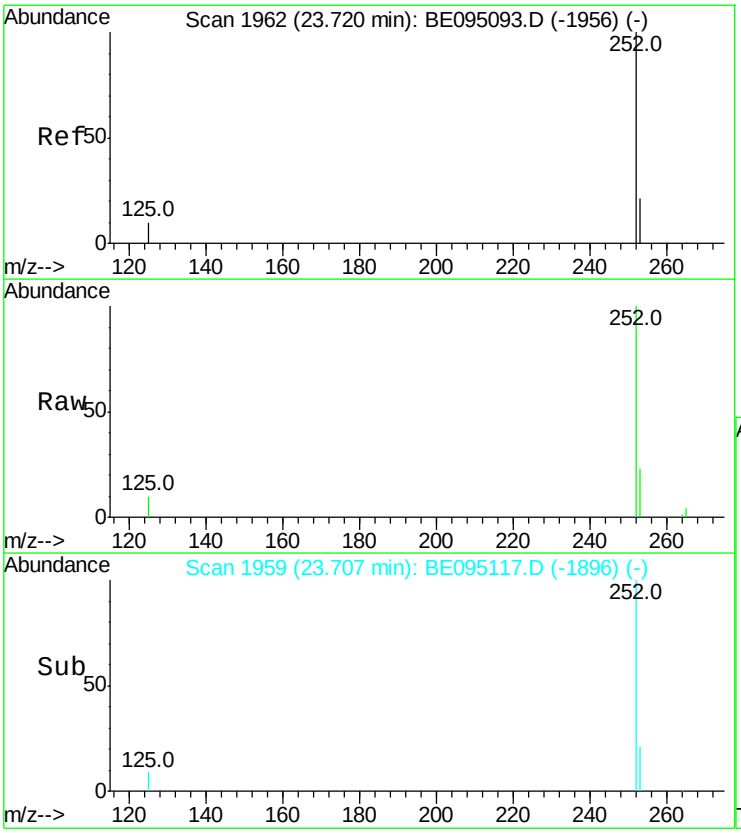
#35
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 23.65 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 20920

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.0	30.0
125	10.6	16.0	24.0#

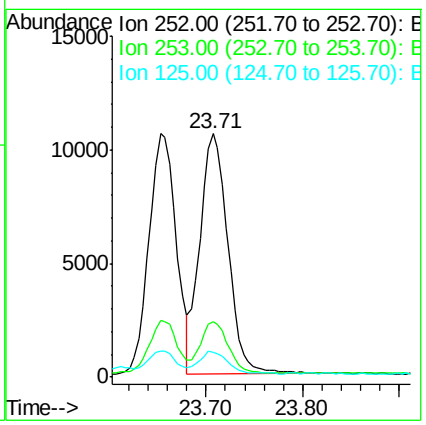


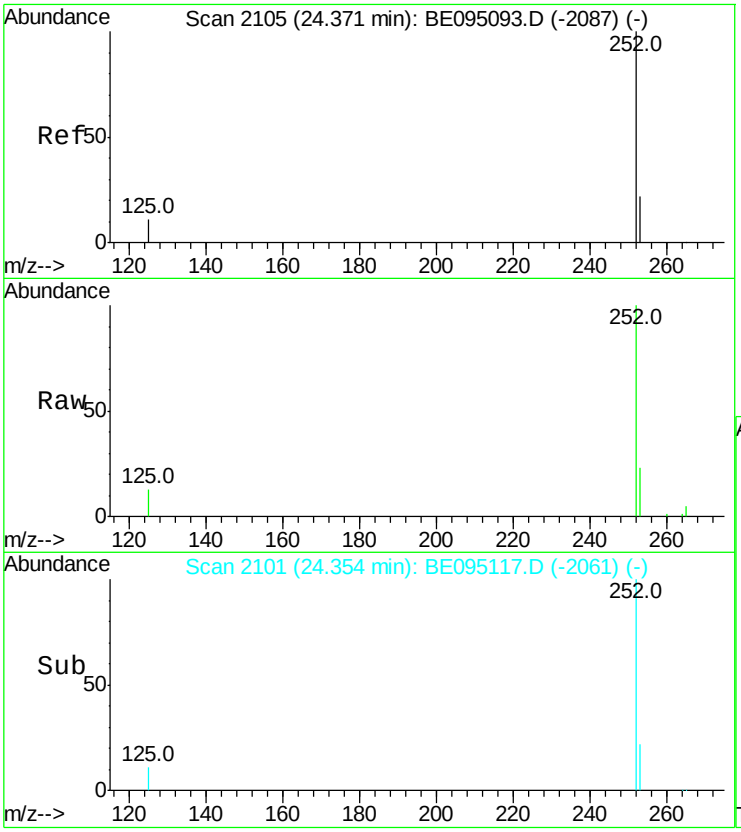


#36
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 23.71 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:252 Resp: 21494

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	10.4	8.0	12.0



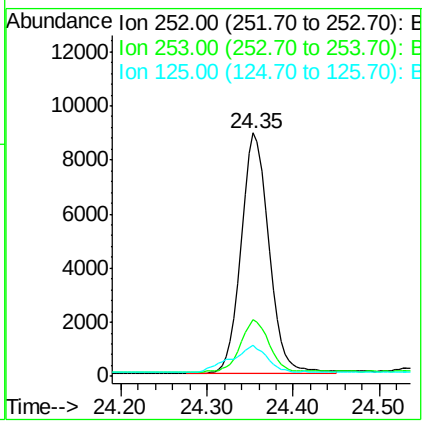


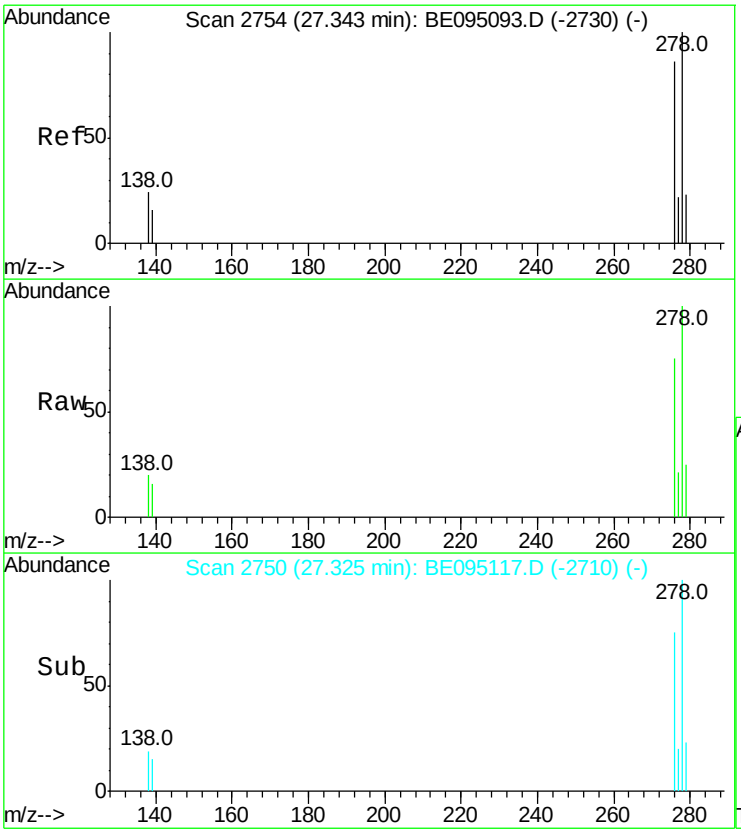
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 24.35 min Scan# 2101
Delta R.T. -0.02 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19656

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	12.6	12.0	18.0

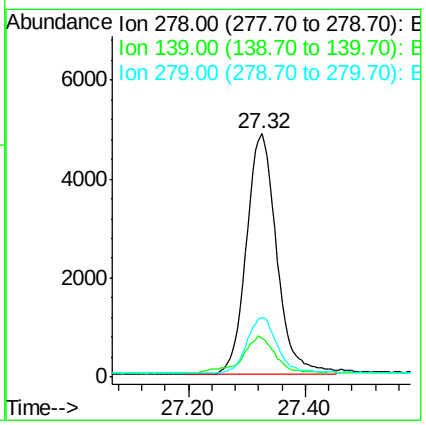


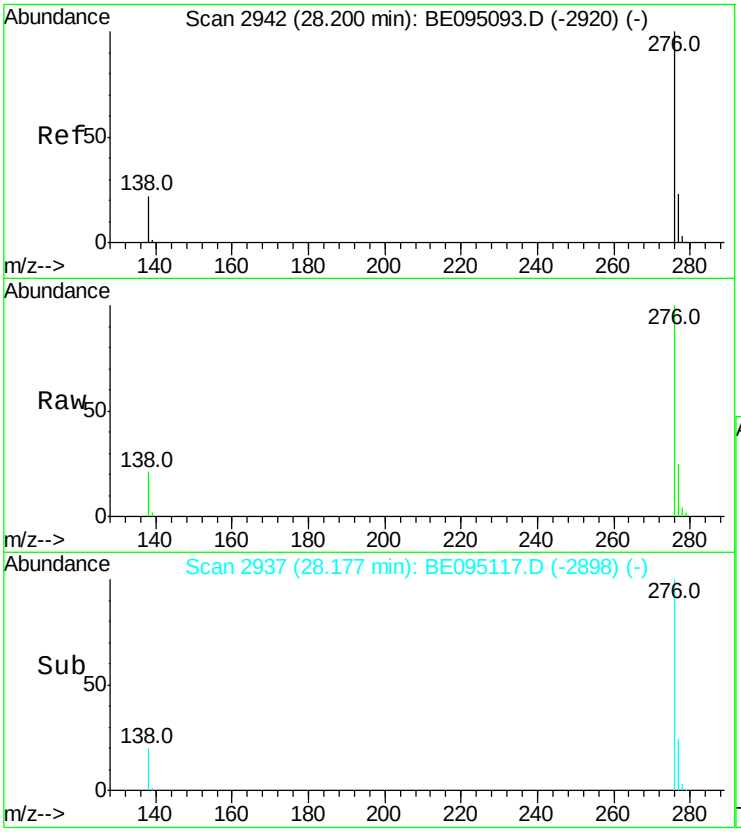


#38
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 27.32 min Scan# 2750
Delta R.T. -0.02 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Tgt Ion:278 Resp: 17562

Ion	Ratio	Lower	Upper
278	100		
139	16.0	16.0	24.0#
279	24.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 28.18 min Scan# 2937
Delta R.T. -0.02 min
Lab File: BE095117.D
Acq: 25 Jan 2018 16:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18071

Ion	Ratio	Lower	Upper
276	100		
277	24.7	16.0	24.0#
138	20.9	20.0	30.0