Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
Data File : BE095939.D
Acq On : 4 Apr 2018 10:06
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 05 02:46:24 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1300	0.40	ng		-0.01
7) Naphthalene-d8	11.26	136	5423	0.40	ng		0.00
13) Acenaphthene-d10	14.99	164	3237	0.40	ng		-0.01
19) Phenanthrene-d10	17.70	188	7700	0.40	ng		-0.01
27) Chrysene-d12	21.79	240	8314	0.40	ng		-0.01
34) Perylene-d12	24.42	264	8005	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	1606	0.37	ng		-0.01
5) Phenol-d6	7.56	99	2492	0.42	ng		-0.01
8) Nitrobenzene-d5	9.59	82	2517	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.79	152	3742	0.41	ng		-0.01
14) 2,4,6-Tribromophenol	16.46	330	661	0.35	ng		-0.01
15) 2-Fluorobiphenyl	13.63	172	5537	0.41	ng		-0.01
25) Fluoranthene-d10	19.68	212	42805	0.37	ng		0.00
29) Terphenyl-d14	20.24	244	7080	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.63	88	771	0.362	ng	#	88
3) n-Nitrosodimethylamine	3.98	42	1199	0.384	ng		83
6) bis(2-Chloroethyl)ether	7.81	93	2099	0.413	ng		94
9) Naphthalene	11.29	128	25994	0.420	ng		99
10) Hexachlorobutadiene	11.55	225	1595	0.375	ng		96
12) 2-Methylnaphthalene	12.86	142	4479	0.423	ng		95
16) Acenaphthylene	14.73	152	7745	0.418	ng		100
17) Acenaphthene	15.06	154	4669	0.413	ng		94
18) Fluorene	16.02	166	6068	0.409	ng	#	79
20) 4-Bromophenyl-phenylether	16.89	248	1871	0.404	ng	#	76
21) Hexachlorobenzene	17.02	284	1893	0.410	ng	#	82
22) Pentachlorophenol	17.36	266	598	0.473	ng	#	78
23) Phenanthrene	17.74	178	9636	0.418	ng		99
24) Anthracene	17.82	178	9365	0.406	ng		95
26) Fluoranthene	19.71	202	12234	0.382	ng		98
28) Pyrene	20.06	202	15683	0.463	ng		97
30) Benzo(a)anthracene	21.78	228	11804	0.409	ng		97
31) Chrysene	21.83	228	11005	0.418	ng		97
32) Bis(2-ethylhexyl)phthalate	21.64	149	32332	0.367	ng		100
33) Indeno(1,2,3-cd)pyrene	27.23	276	11776	0.415	ng		95
35) Benzo(b)fluoranthene	23.60	252	10933	0.413	ng	#	91
36) Benzo(k)fluoranthene	23.66	252	11097	0.419	ng		93
37) Benzo(a)pyrene	24.30	252	10245	0.413	ng	#	93
38) Dibenzo(a,h)anthracene	27.24	278	9685	0.411	ng		95
39) Benzo(g,h,i)perylene	28.10	276	9877	0.417	ng	#	92

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 05 02:46:24 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
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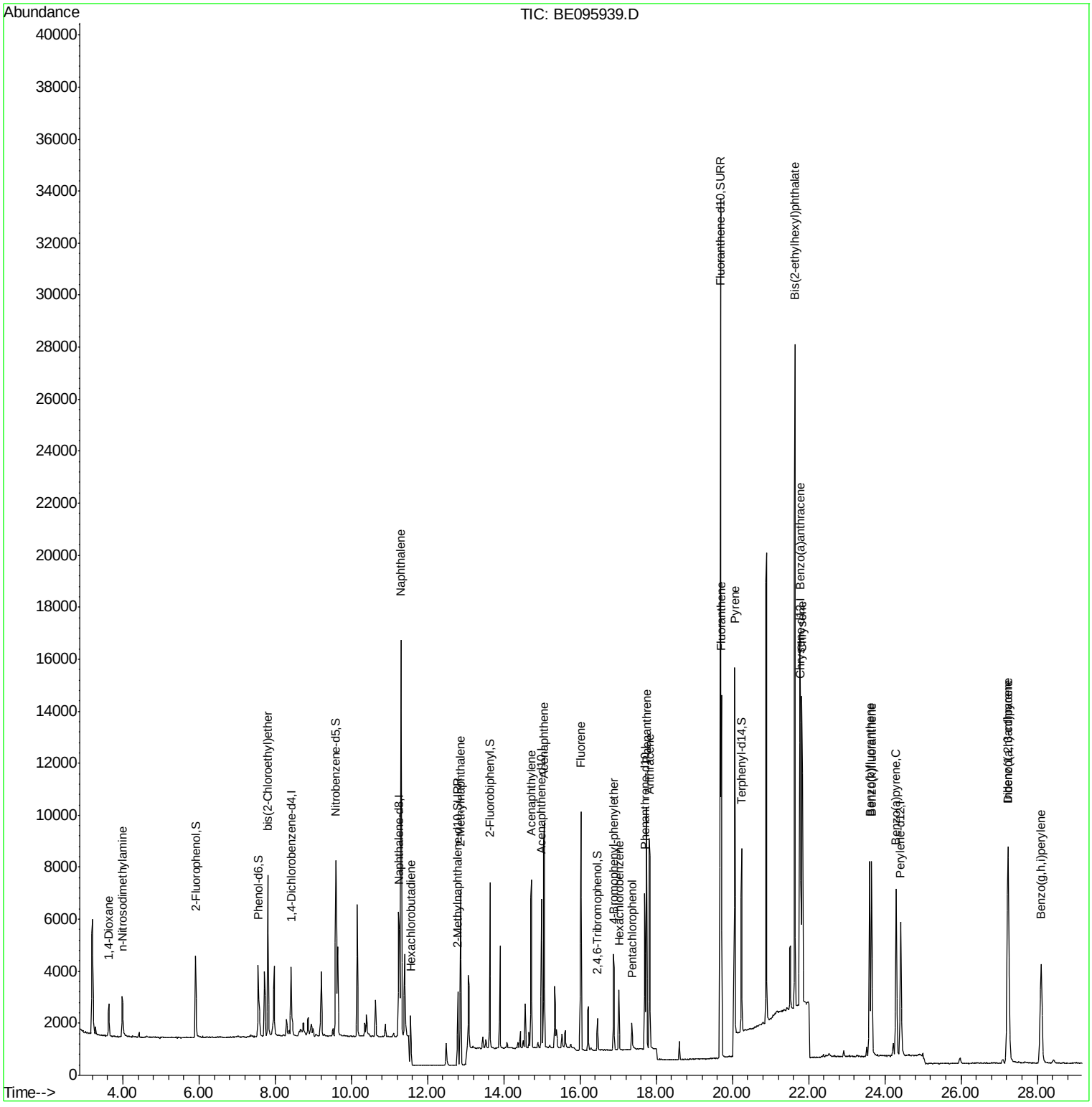
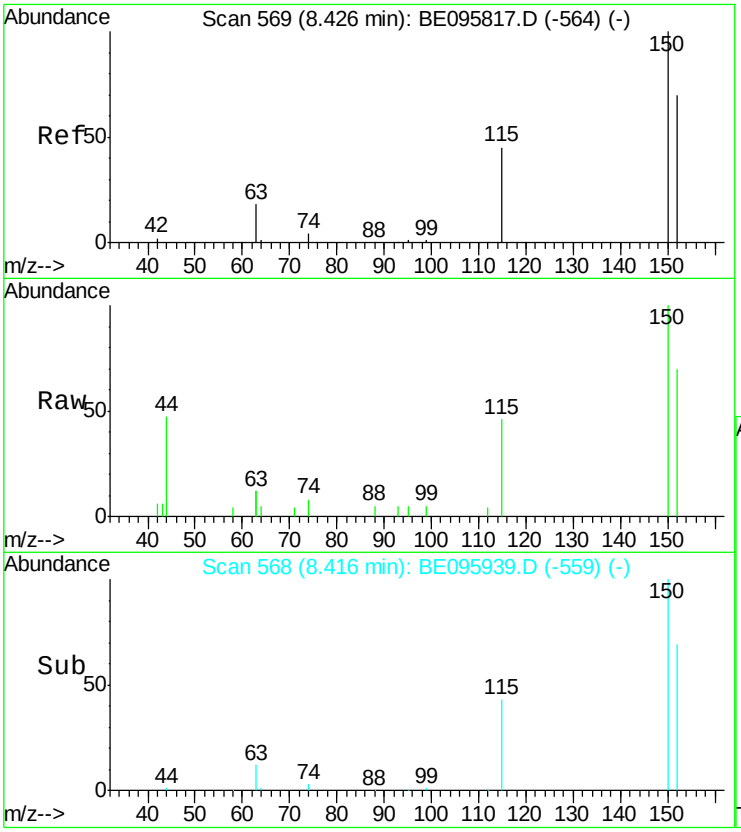


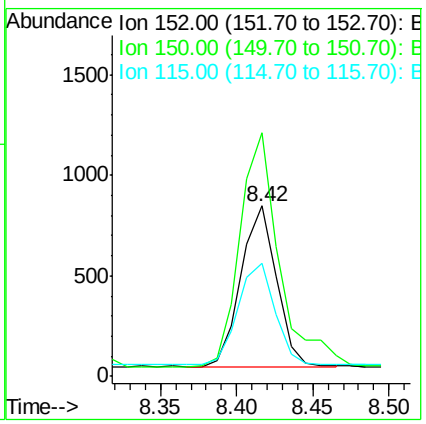


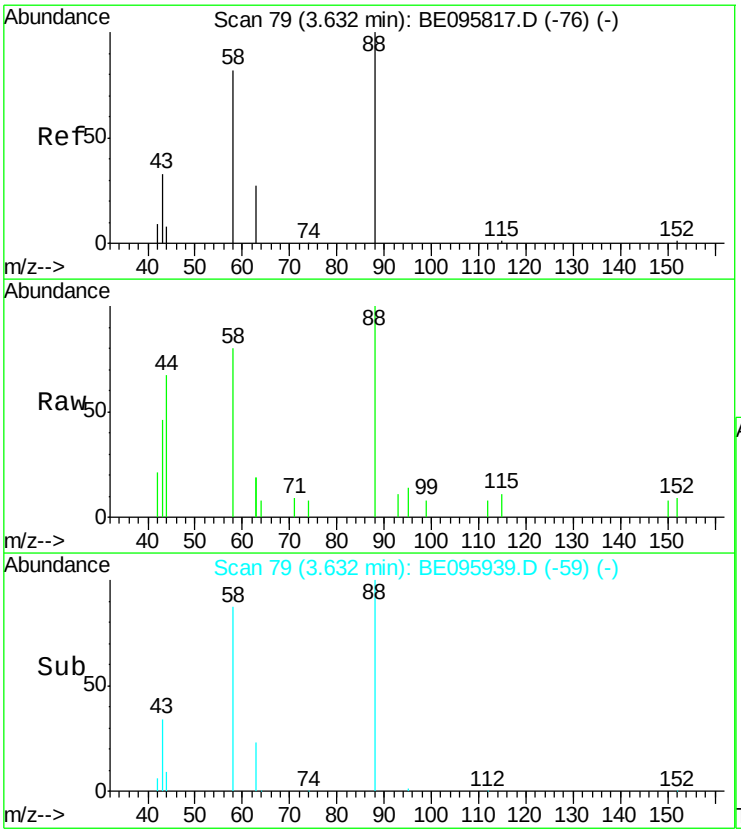
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1300

Ion	Ratio	Lower	Upper
152	100		
150	143.1	117.2	175.8
115	66.5	57.0	85.6

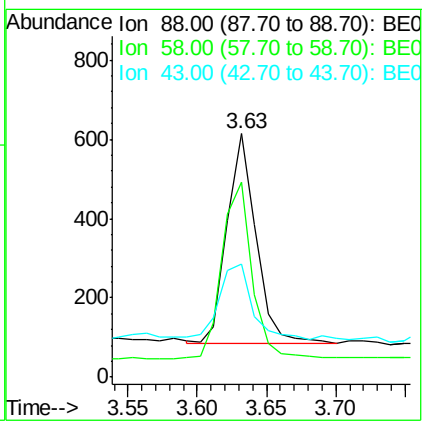


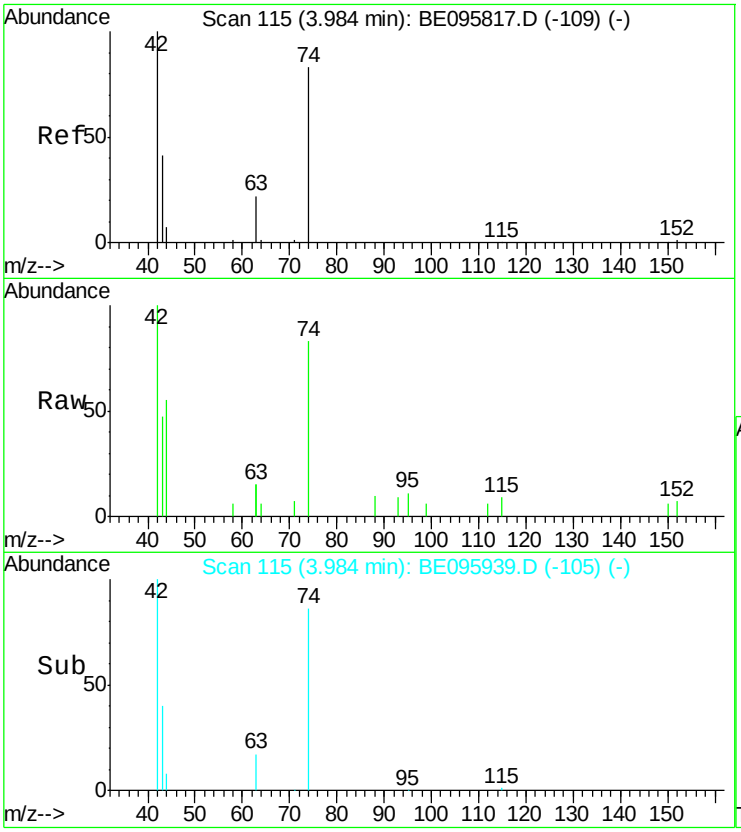


#2
1,4-Dioxane
Concen: 0.362 ng
RT: 3.63 min Scan# 79
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion: 88 Resp: 771

Ion	Ratio	Lower	Upper
88	100		
58	88.1	63.2	94.8
43	41.0	41.2	61.8#



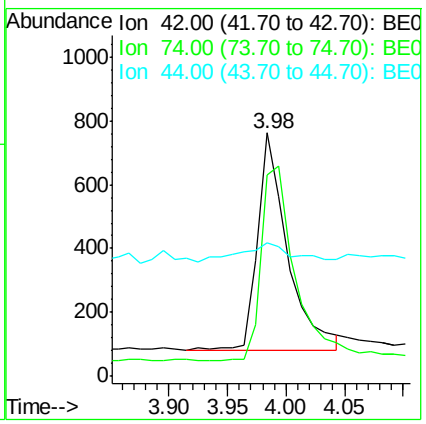


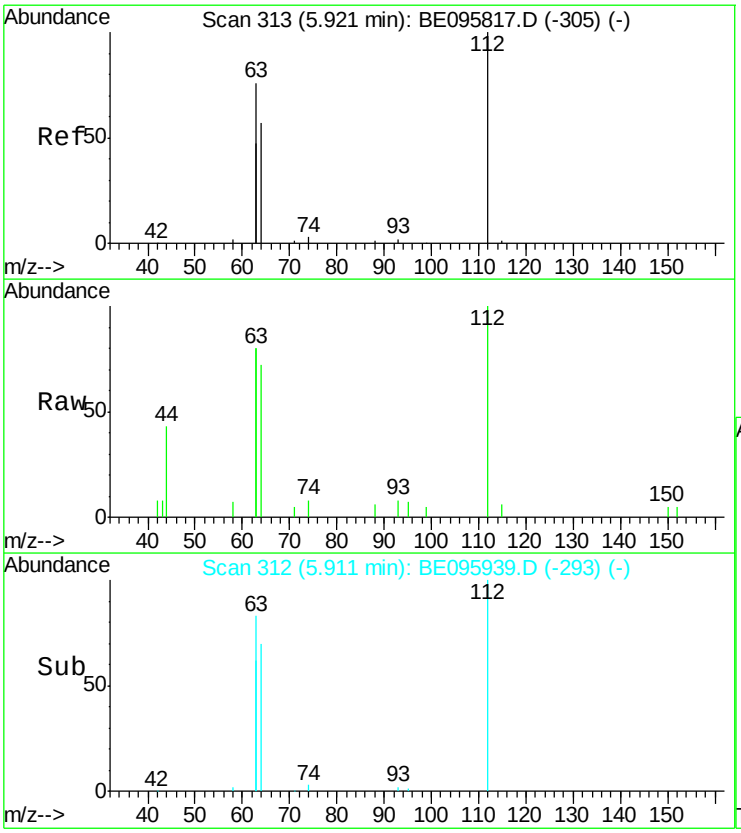
#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.98 min Scan# 115
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1199

Ion	Ratio	Lower	Upper
42	100		
74	99.2	96.0	144.0
44	13.8	12.0	18.0

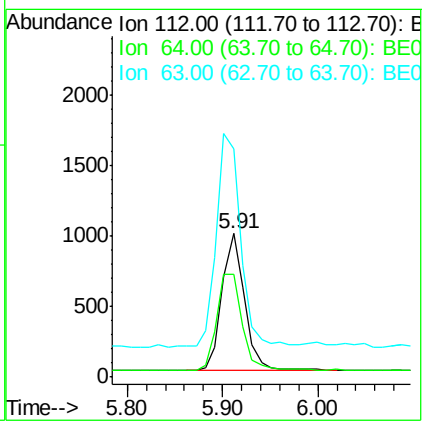


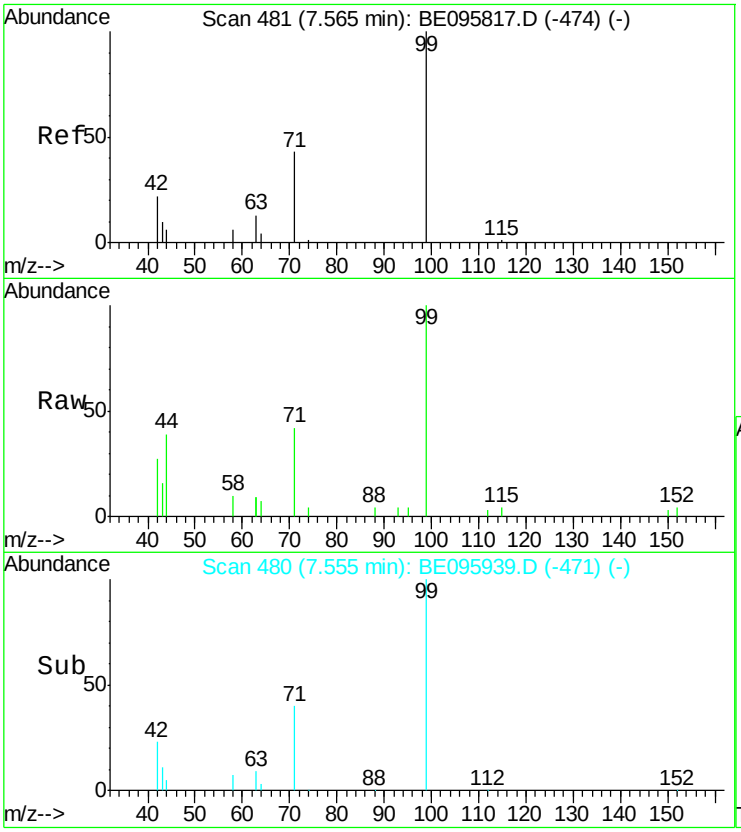


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:112 Resp: 1606

Ion	Ratio	Lower	Upper
112	100		
64	79.3	60.1	90.1
63	163.3	116.8	175.2



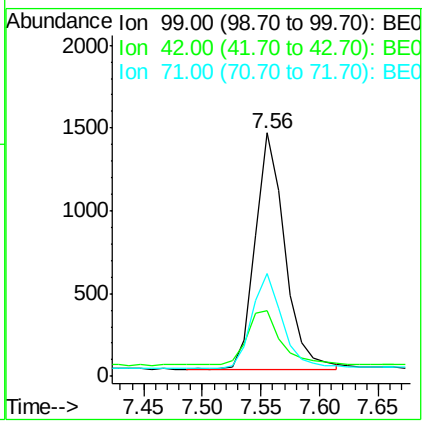


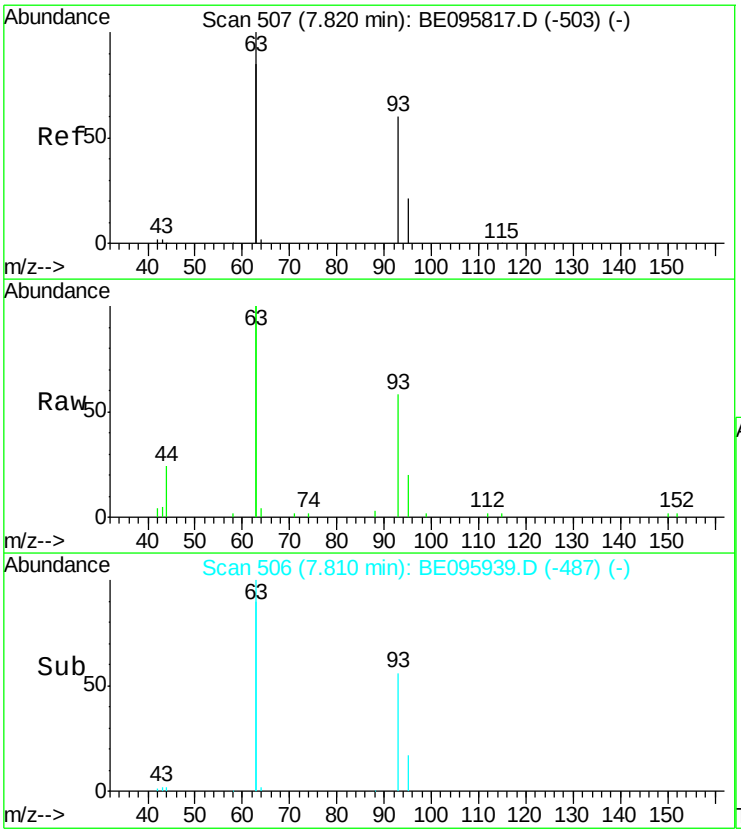
#5
Phenol-d6
Concen: 0.423 ng
RT: 7.56 min Scan# 480
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2492

Ion	Ratio	Lower	Upper
99	100		
42	26.1	20.2	30.2
71	42.3	28.4	42.6

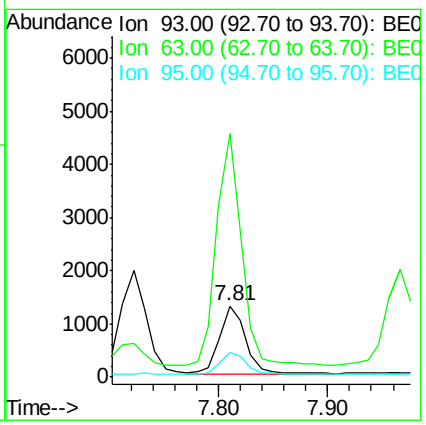


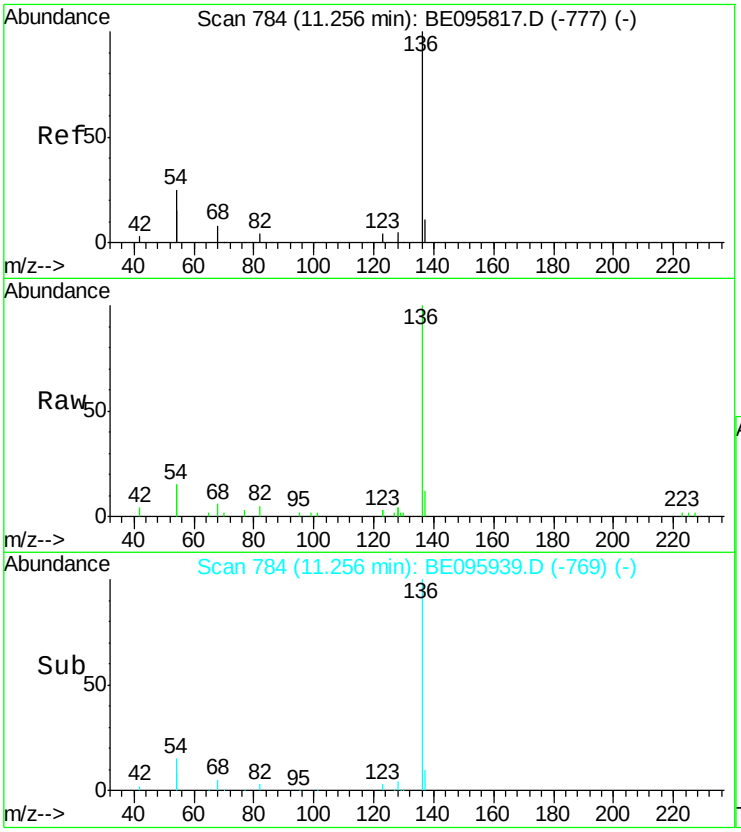


#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 7.81 min Scan# 506
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion: 93 Resp: 2099

Ion	Ratio	Lower	Upper
93	100		
63	329.3	275.3	412.9
95	31.5	25.2	37.8



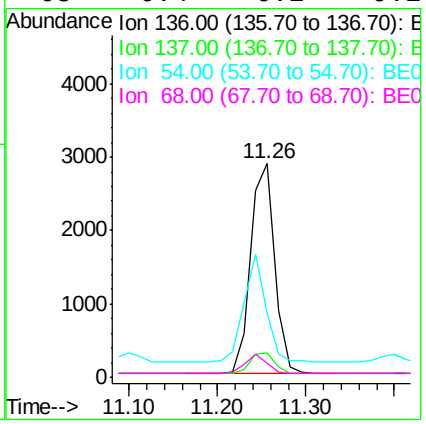


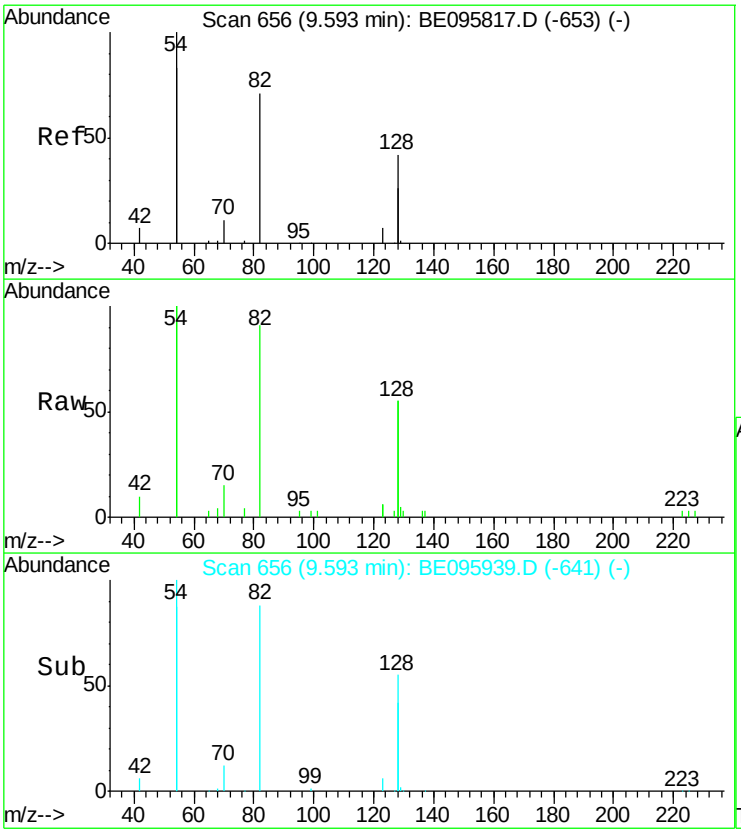
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5423

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	30.0	29.1	43.7
68	6.4	6.2	9.2

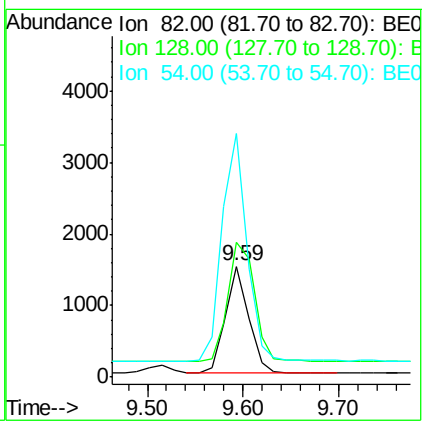


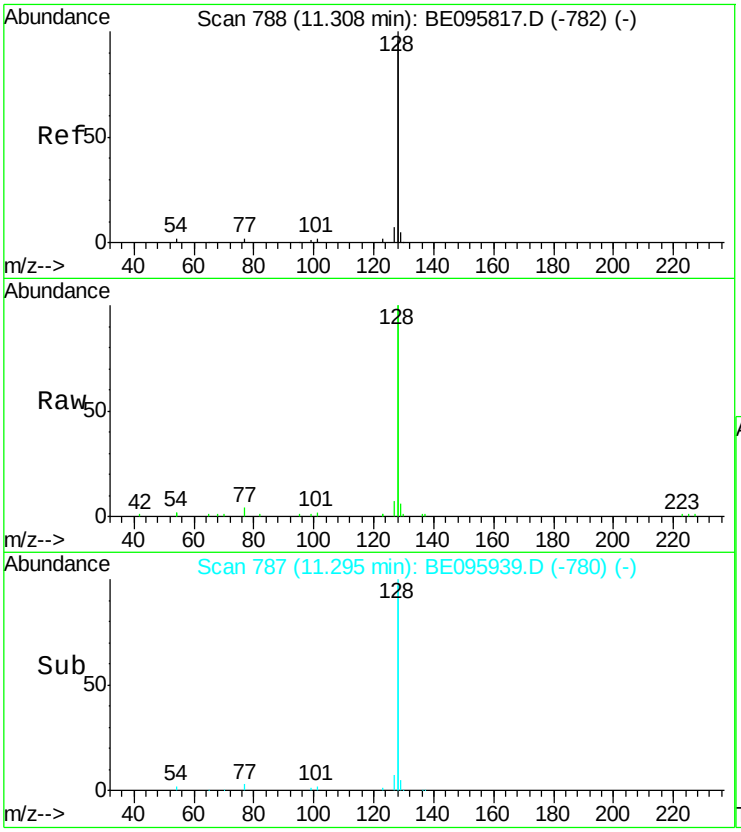


#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 9.59 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion: 82 Resp: 2517

Ion	Ratio	Lower	Upper
82	100		
128	121.6	150.0	225.0#
54	219.2	154.2	231.4



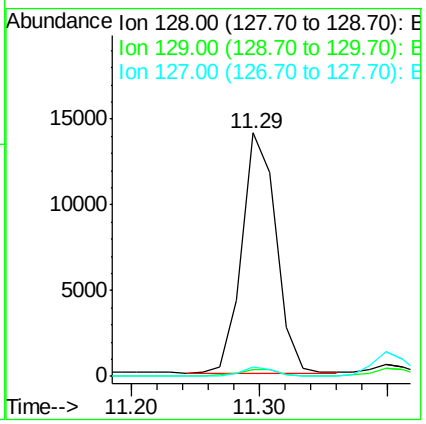


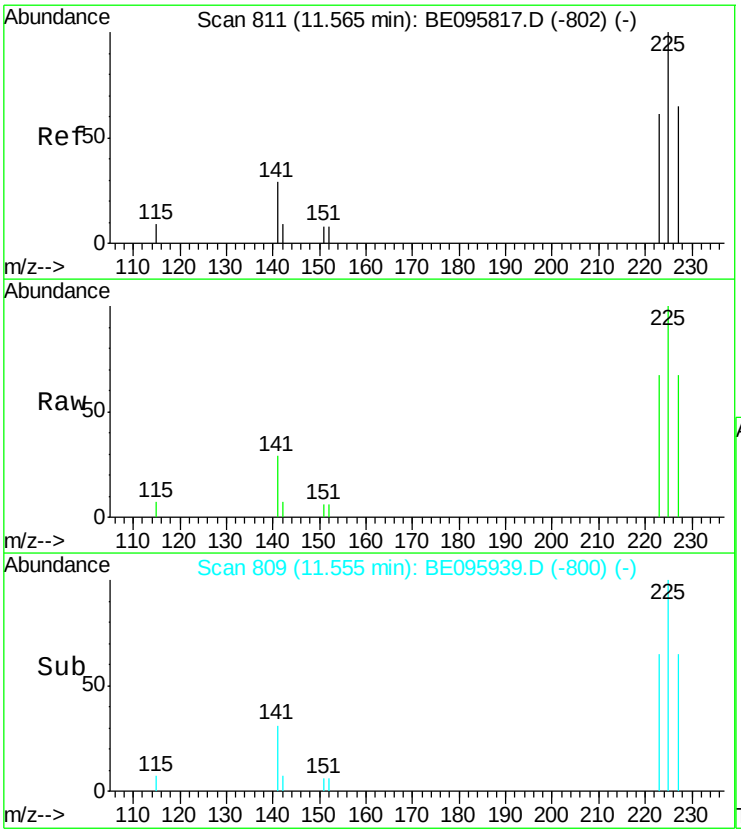
#9
Naphthalene
Concen: 0.420 ng
RT: 11.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 25994

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.7	2.8	4.2

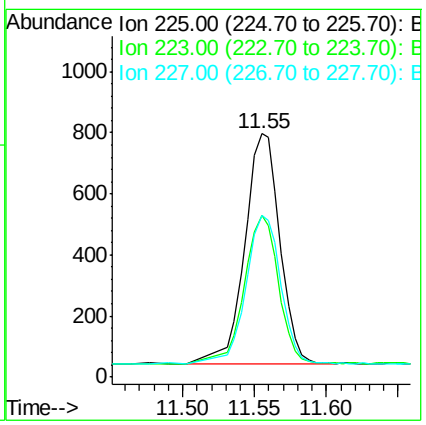


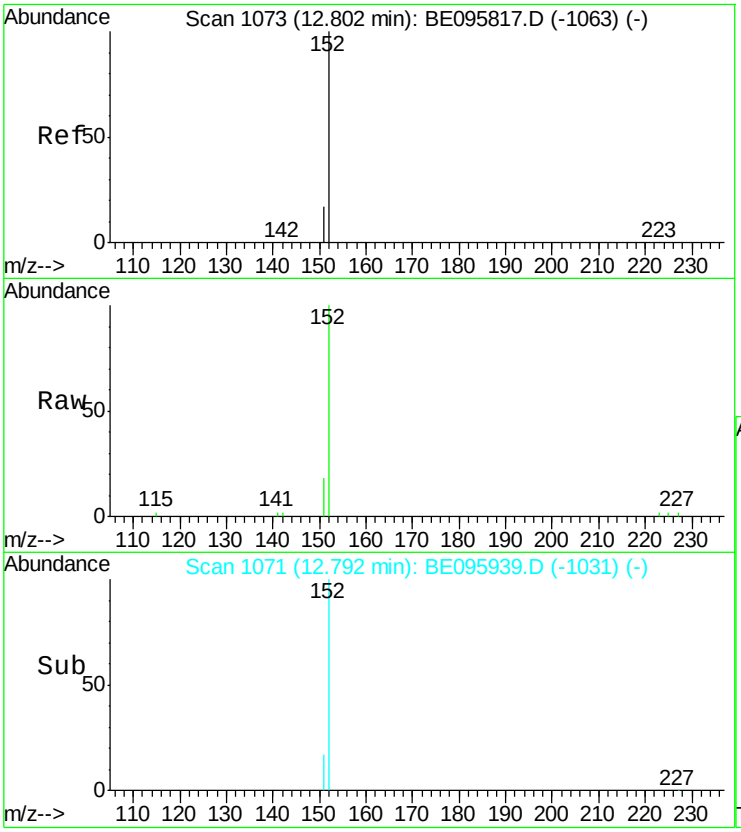


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 11.55 min Scan# 809
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:225 Resp: 1595

Ion	Ratio	Lower	Upper
225	100		
223	61.9	53.0	79.6
227	63.1	51.4	77.2



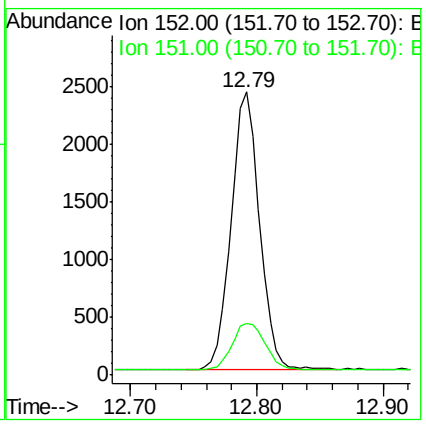


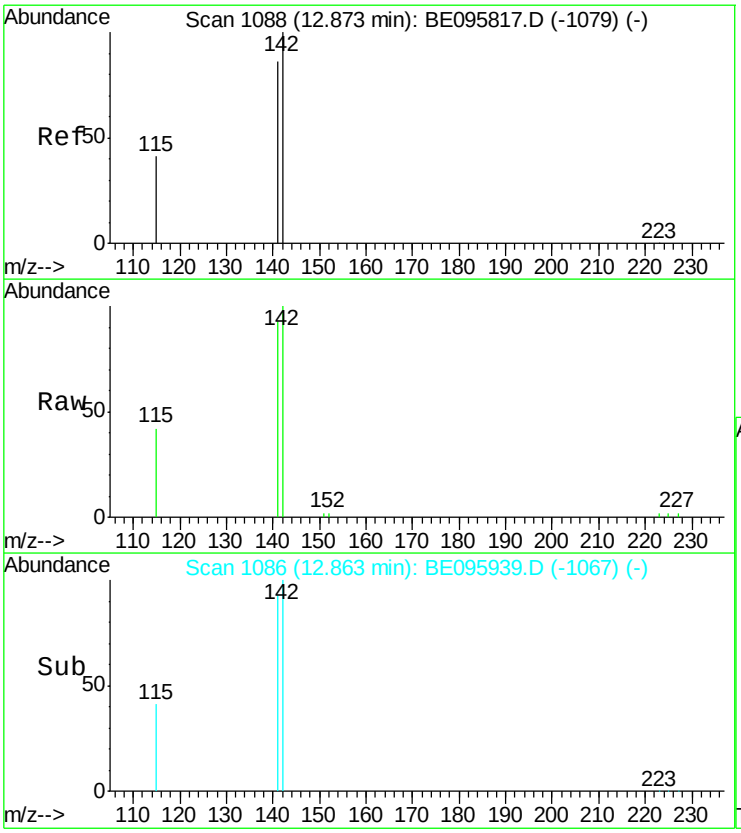
#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3742

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.0

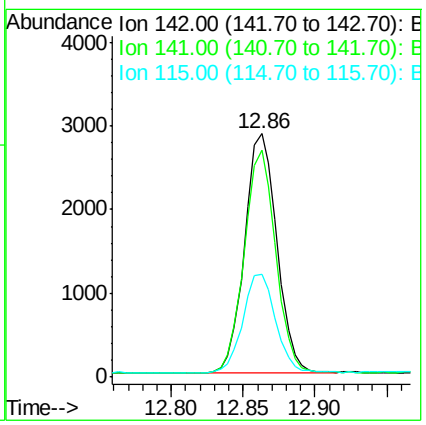


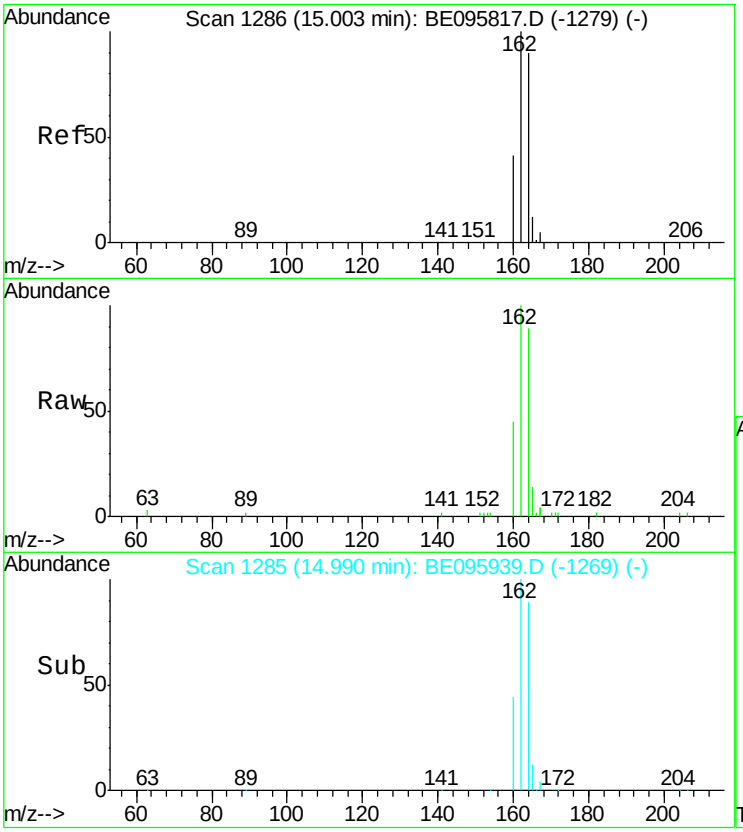


#12
2-Methylnaphthalene
Concen: 0.423 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:142 Resp: 4479

Ion	Ratio	Lower	Upper
142	100		
141	93.2	70.4	105.6
115	42.2	31.7	47.5



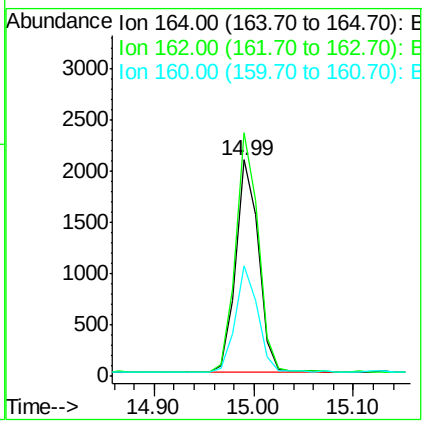


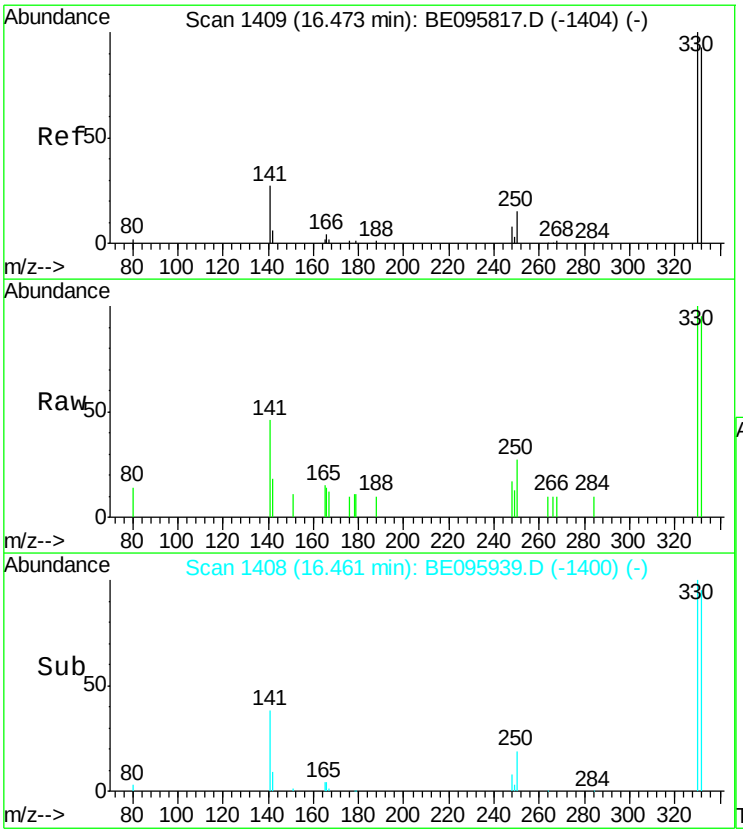
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3237

Ion	Ratio	Lower	Upper
164	100		
162	112.5	83.1	124.7
160	50.9	37.1	55.7

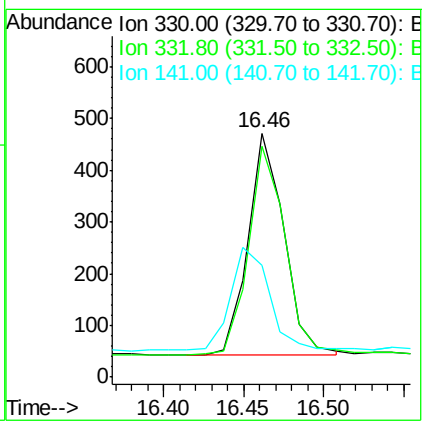


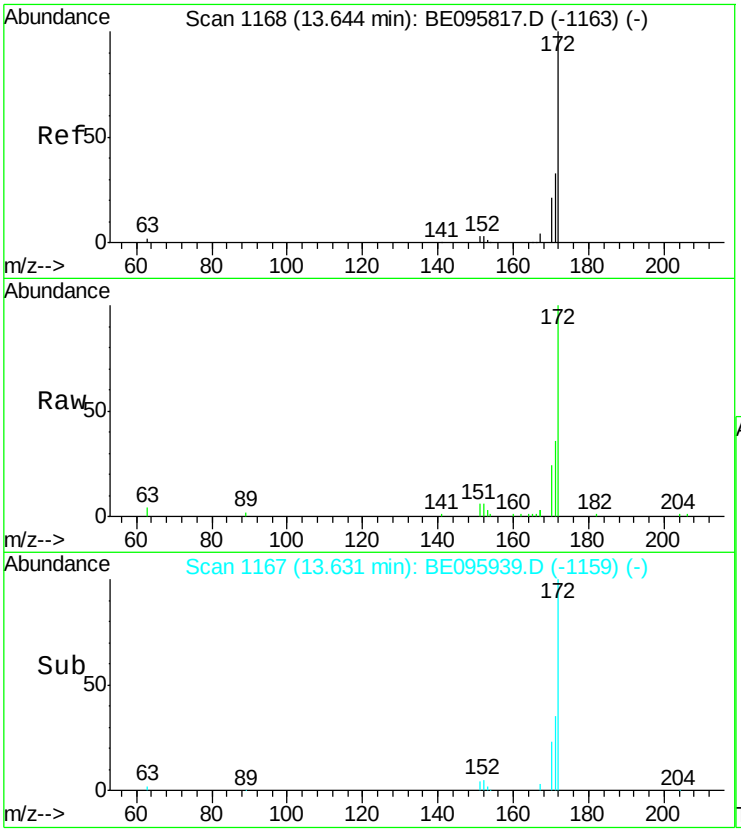


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 16.46 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:330 Resp: 661

Ion	Ratio	Lower	Upper
330	100		
332	97.4	152.7	229.1#
141	51.9	33.7	50.5#



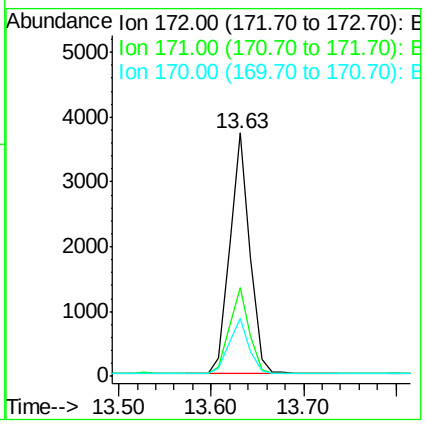


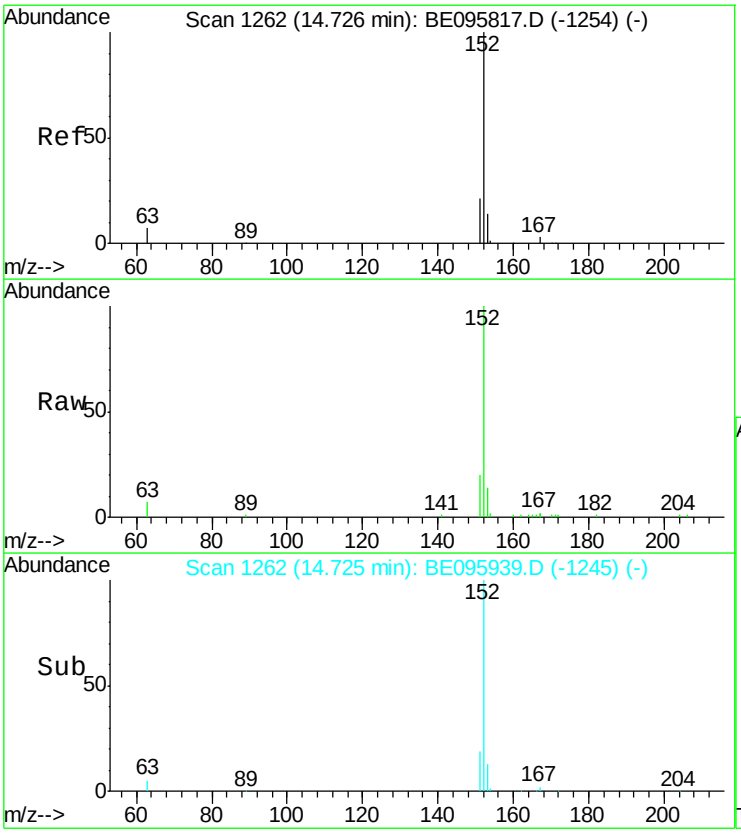
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5537

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	23.9	21.8	32.8

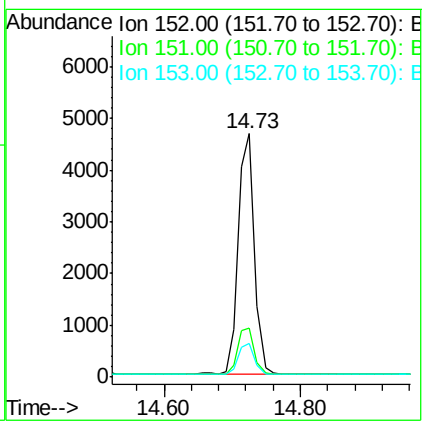


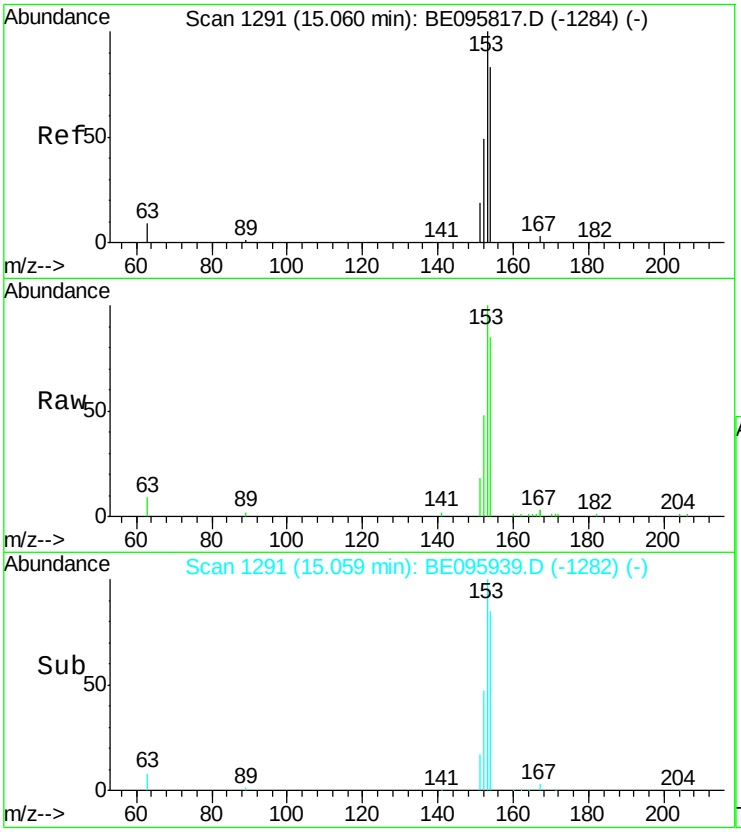


#16
Acenaphthylene
Concen: 0.418 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:152 Resp: 7745

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.9	10.5	15.7



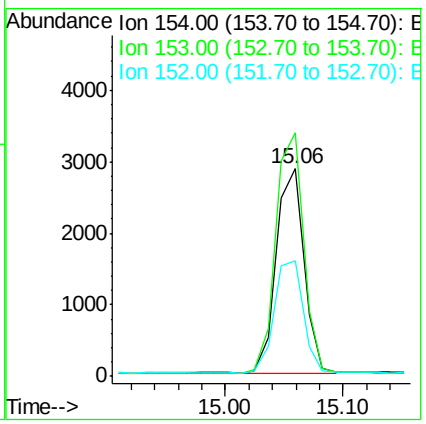


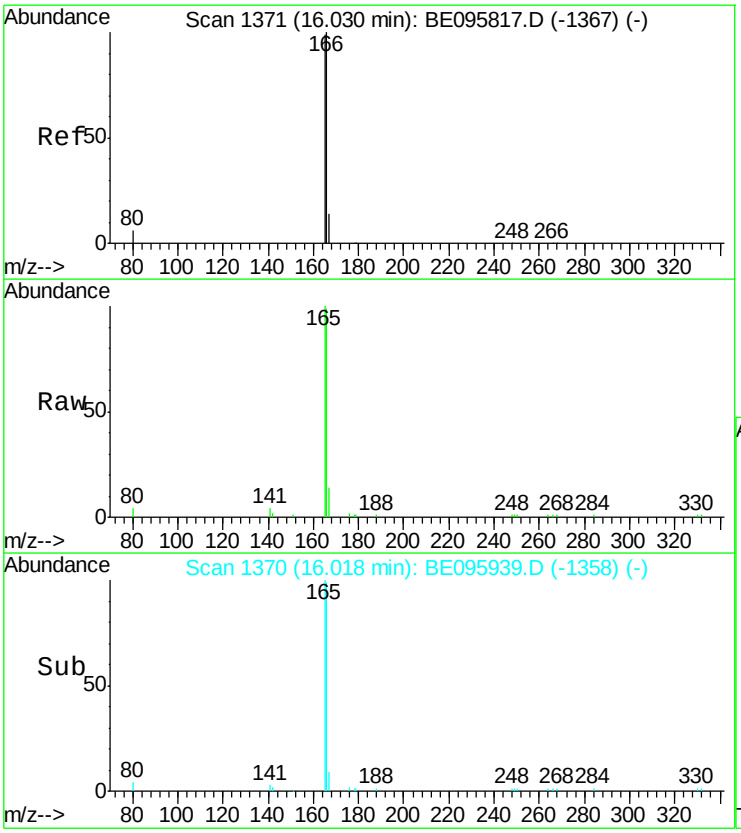
#17
Acenaphthene
Concen: 0.413 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4669

Ion	Ratio	Lower	Upper
154	100		
153	117.2	89.2	133.8
152	57.1	42.0	63.0

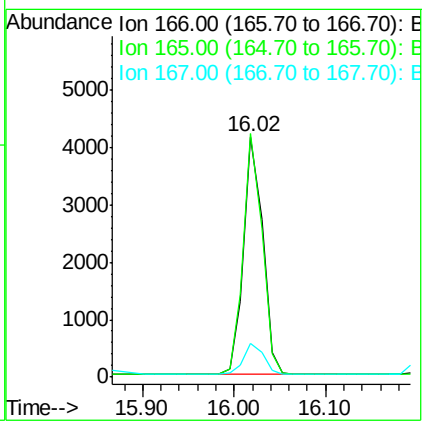


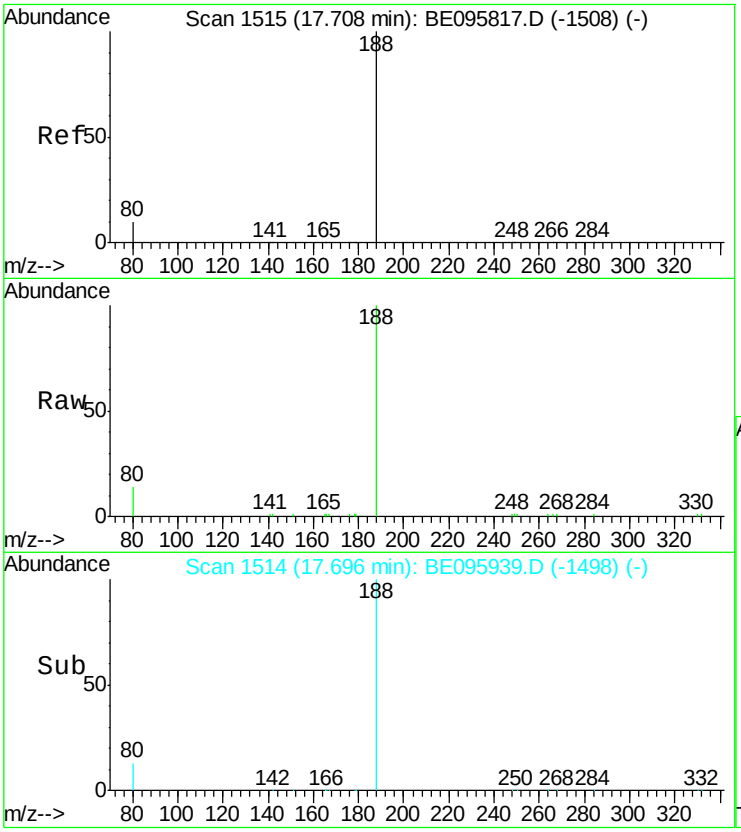


#18
Fluorene
Concen: 0.409 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:166 Resp: 6068

Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.8	116.6
167	13.9	42.4	63.6#



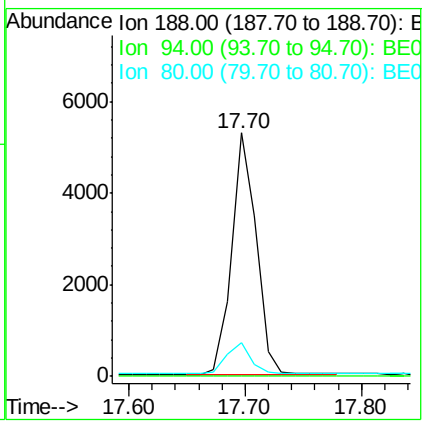


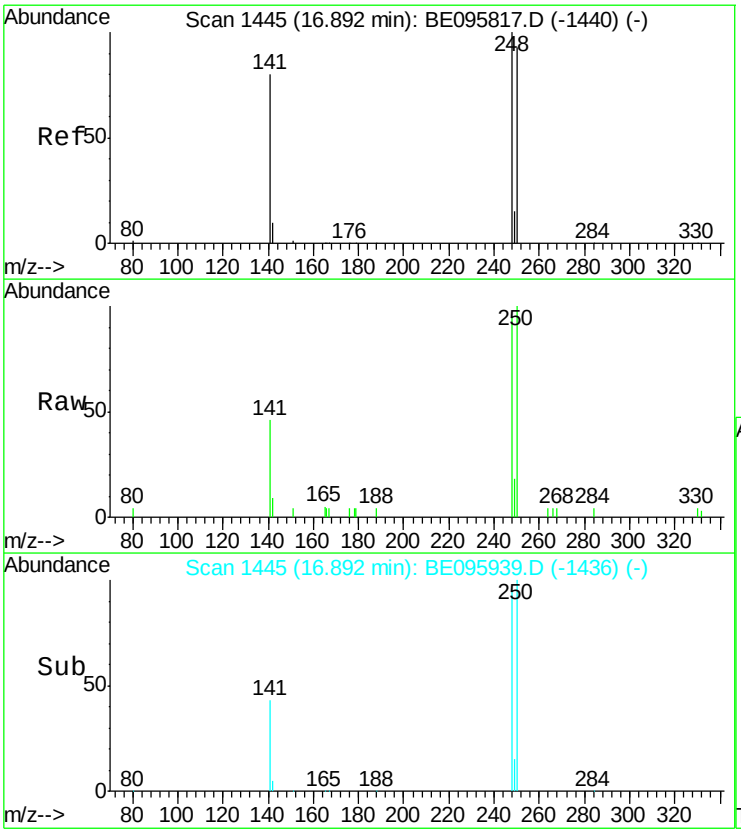
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7700

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.8	3.6	5.4#

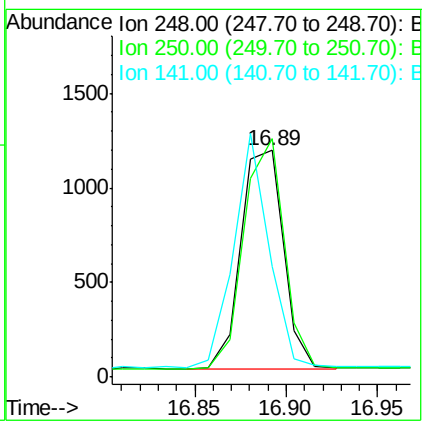


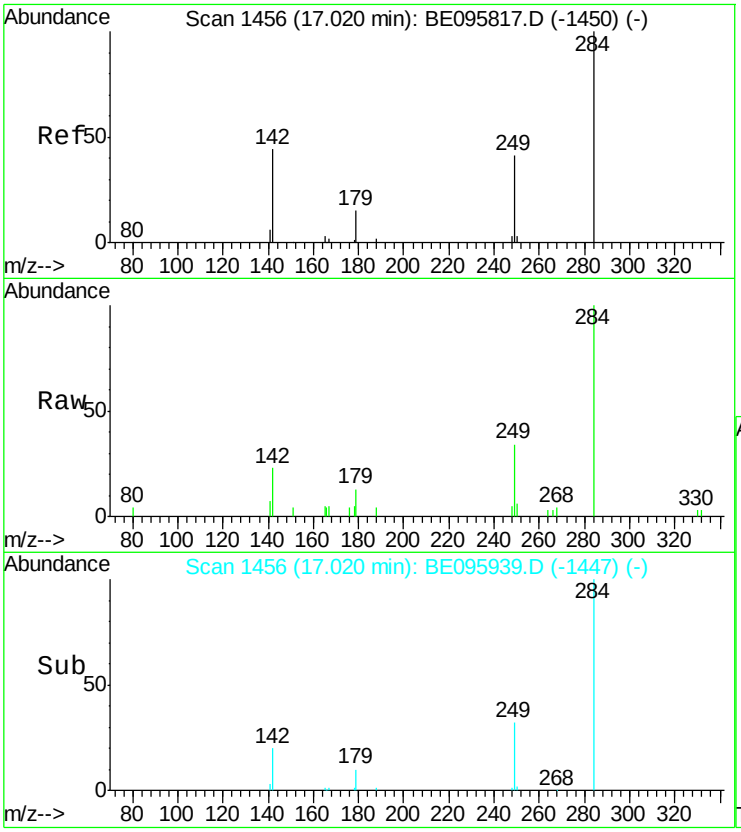


#20
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.89 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:248 Resp: 1871

Ion	Ratio	Lower	Upper
248	100		
250	105.0	62.7	94.1#
141	48.5	48.2	72.2



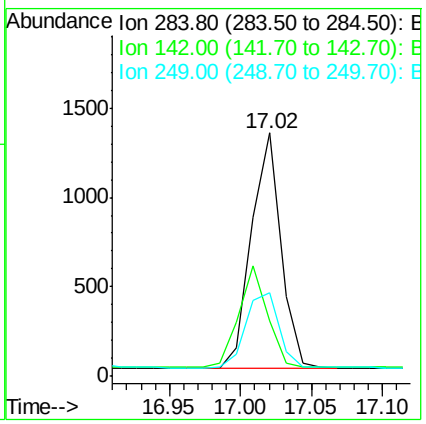


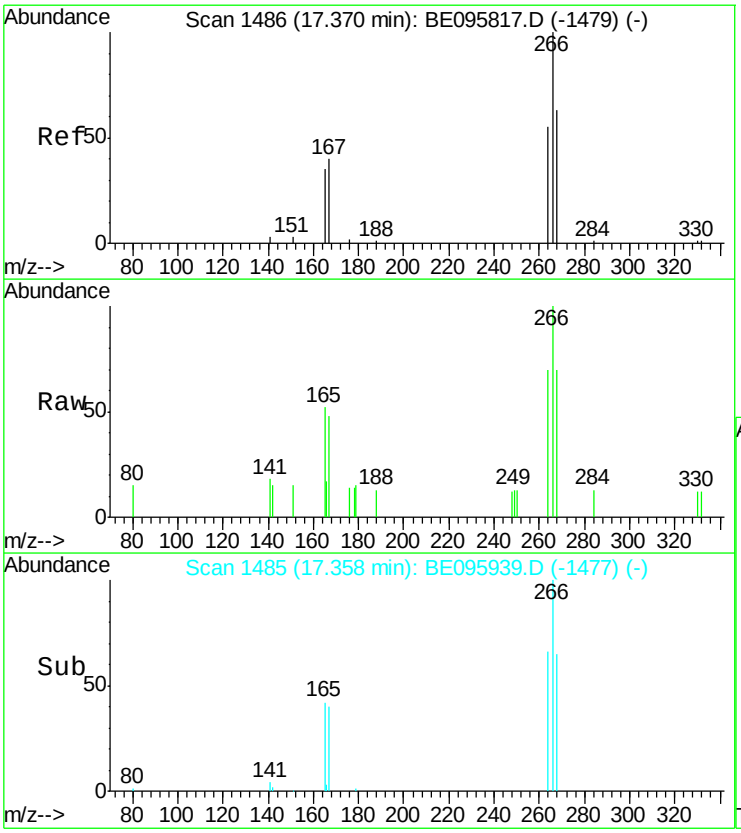
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 17.02 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1893

Ion	Ratio	Lower	Upper
284	100		
142	42.4	22.1	33.1#
249	36.0	34.8	52.2

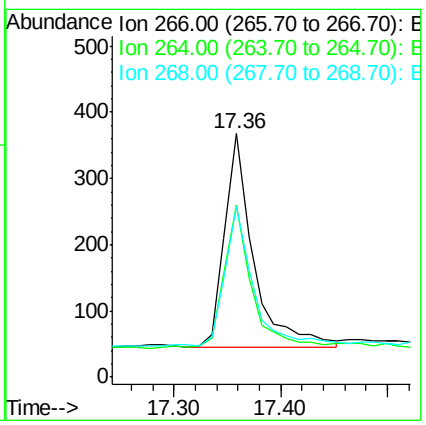


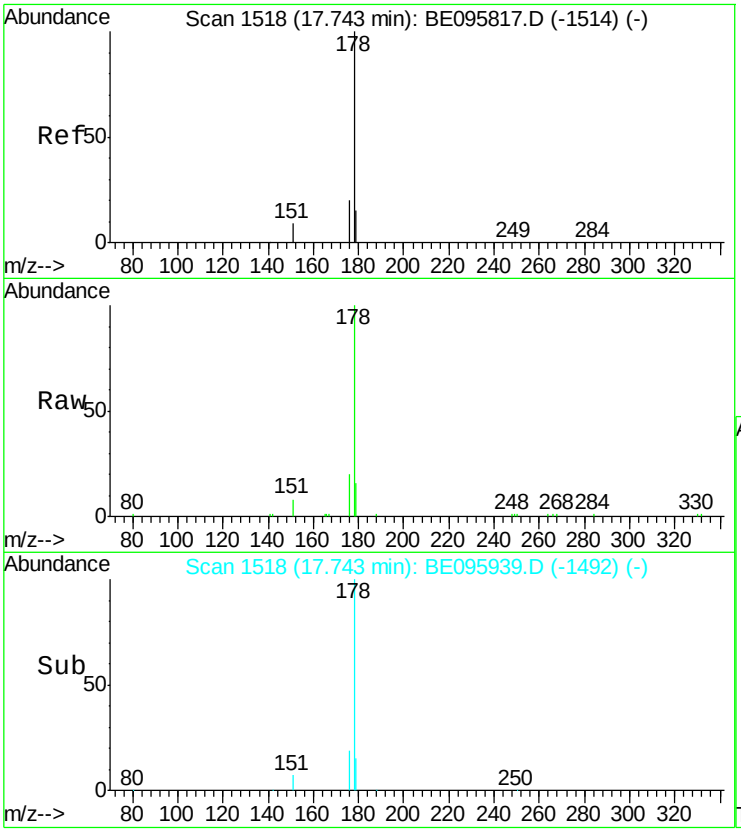


#22
Pentachlorophenol
Concen: 0.473 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:266 Resp: 598

Ion	Ratio	Lower	Upper
266	100		
264	70.4	72.5	108.7#
268	70.1	73.8	110.6#



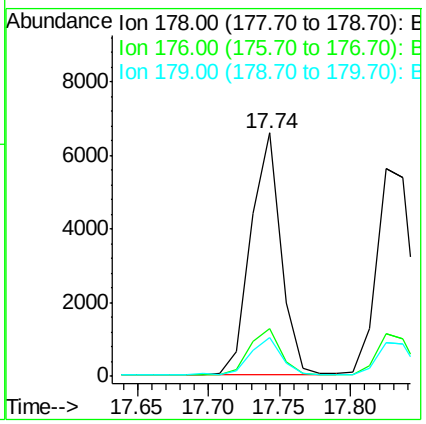


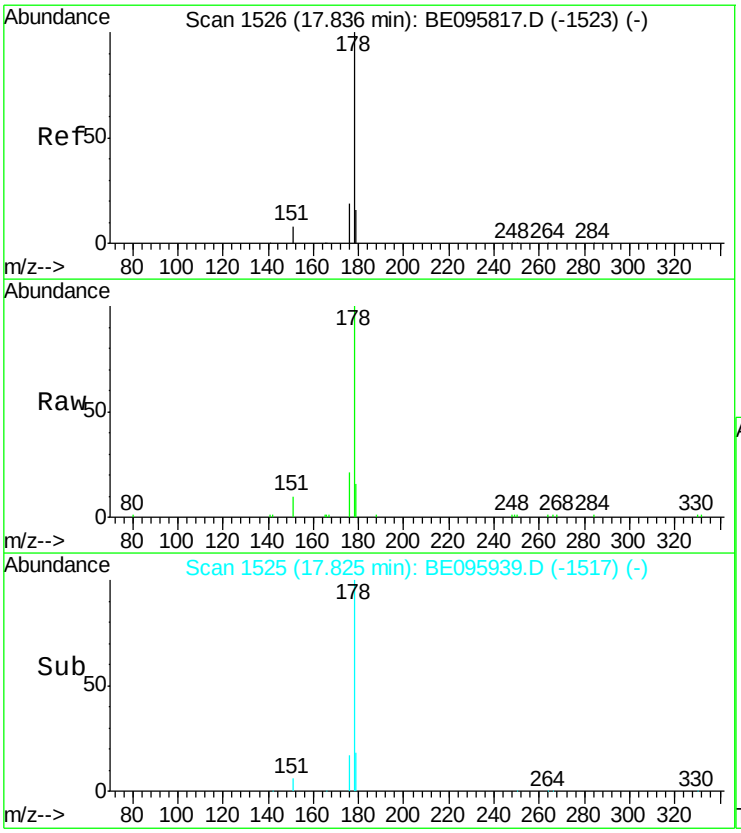
#23
Phenanthrene
Concen: 0.418 ng
RT: 17.74 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 9636

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.3	11.8	17.6

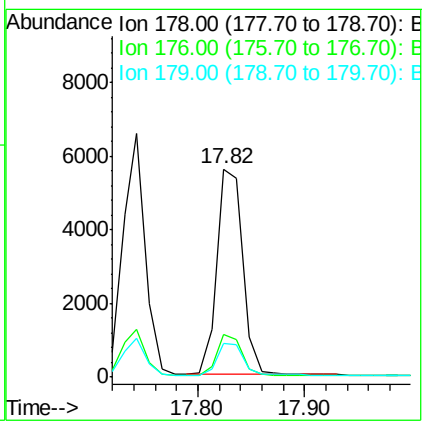


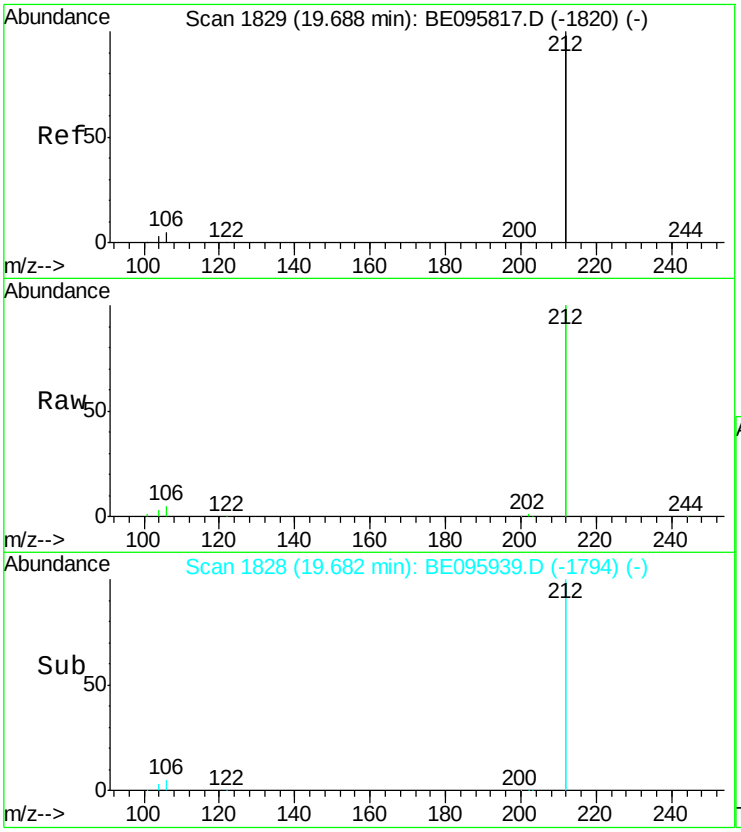


#24
Anthracene
Concen: 0.406 ng
RT: 17.82 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:178 Resp: 9365

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.4	13.0	19.6



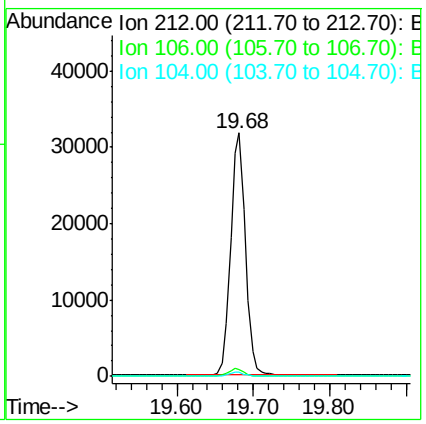


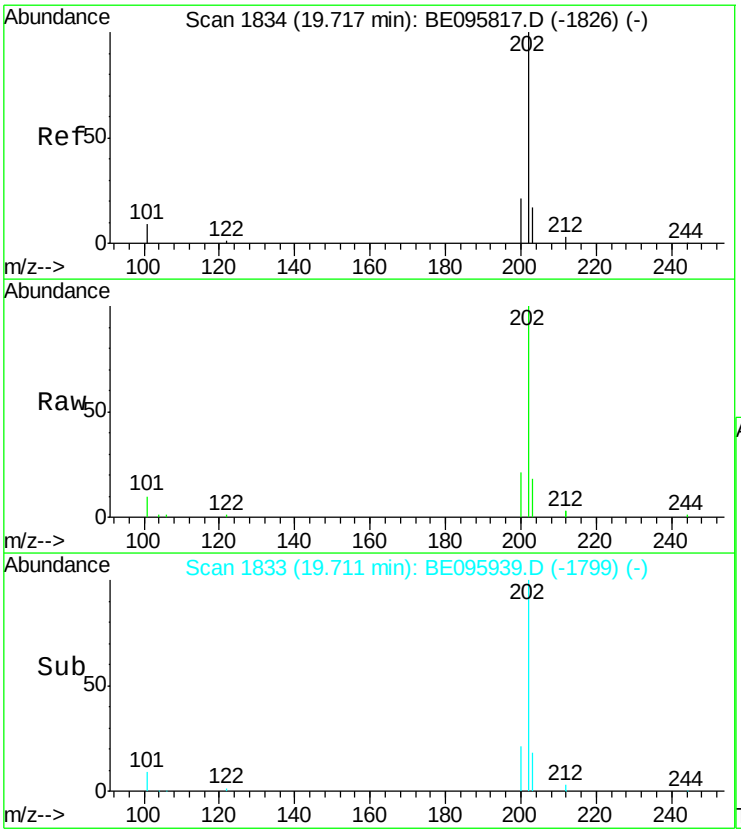
#25
Fluoranthene-d10
Concen: 0.374 ng
RT: 19.68 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 42805

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

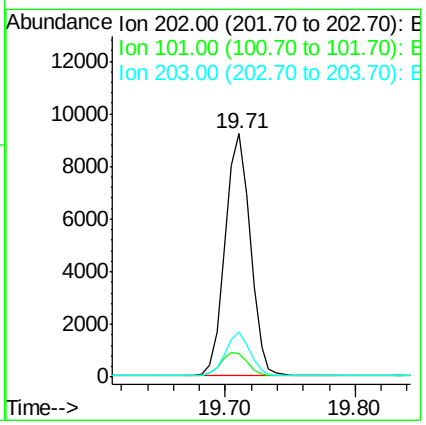


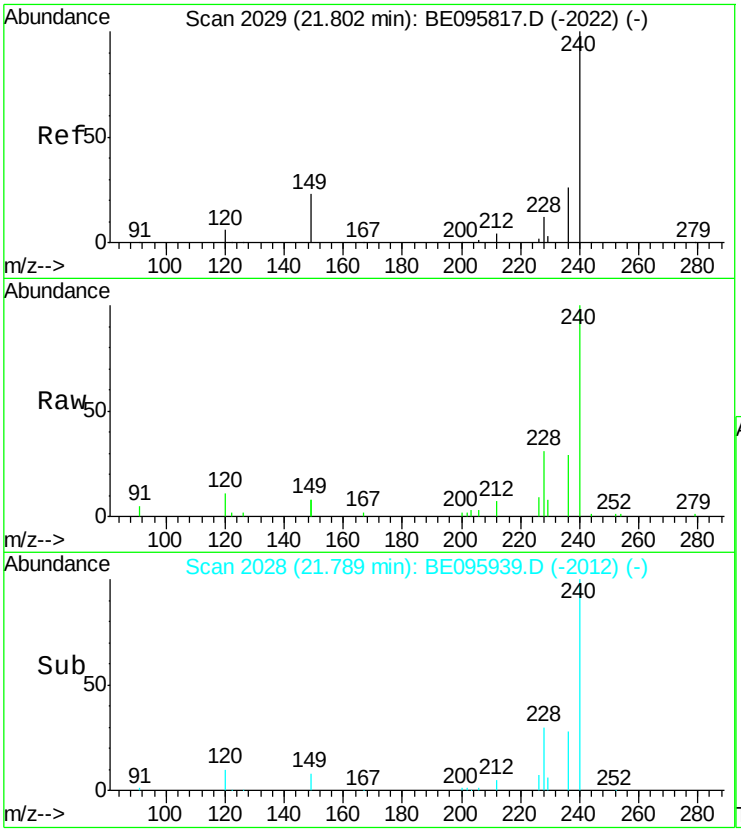


#26
Fluoranthene
Concen: 0.382 ng
RT: 19.71 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:202 Resp: 12234

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
203	17.3	13.7	20.5



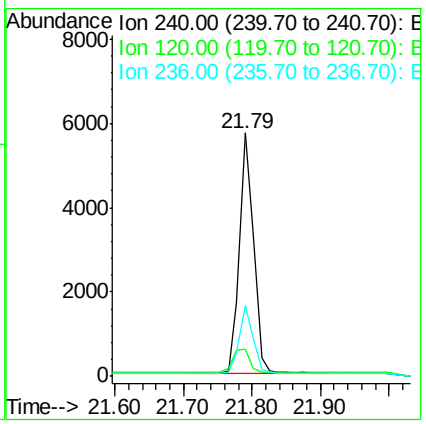


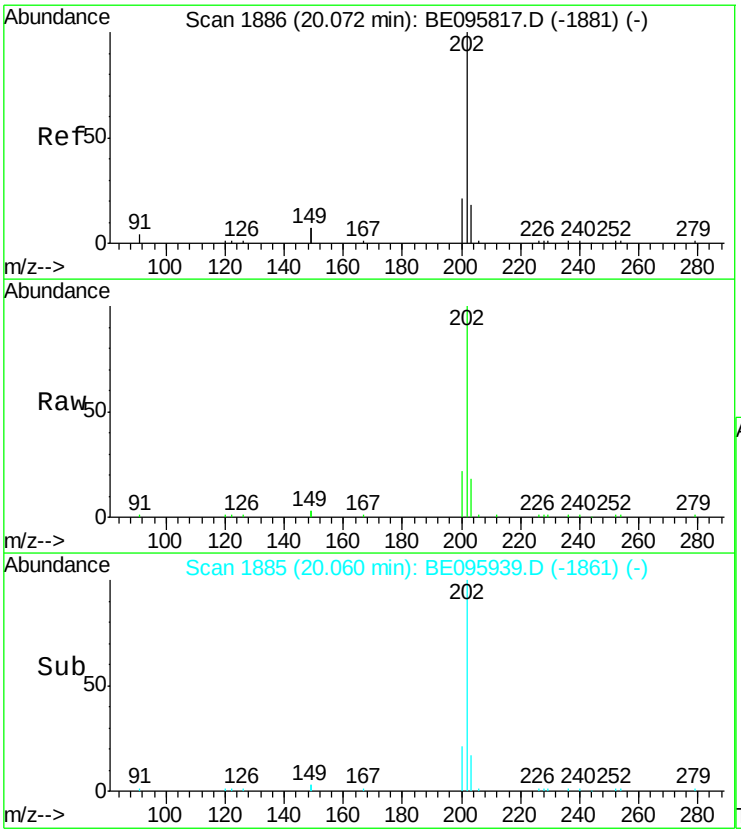
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8314

Ion	Ratio	Lower	Upper
240	100		
120	11.3	5.5	8.3#
236	28.9	20.7	31.1

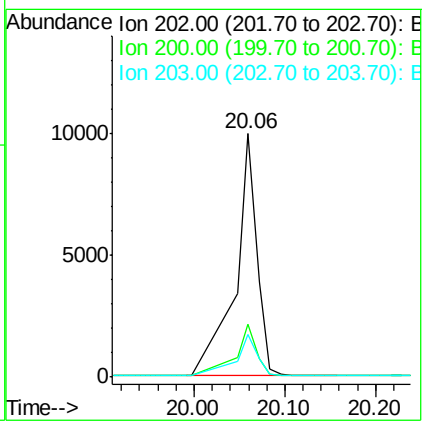


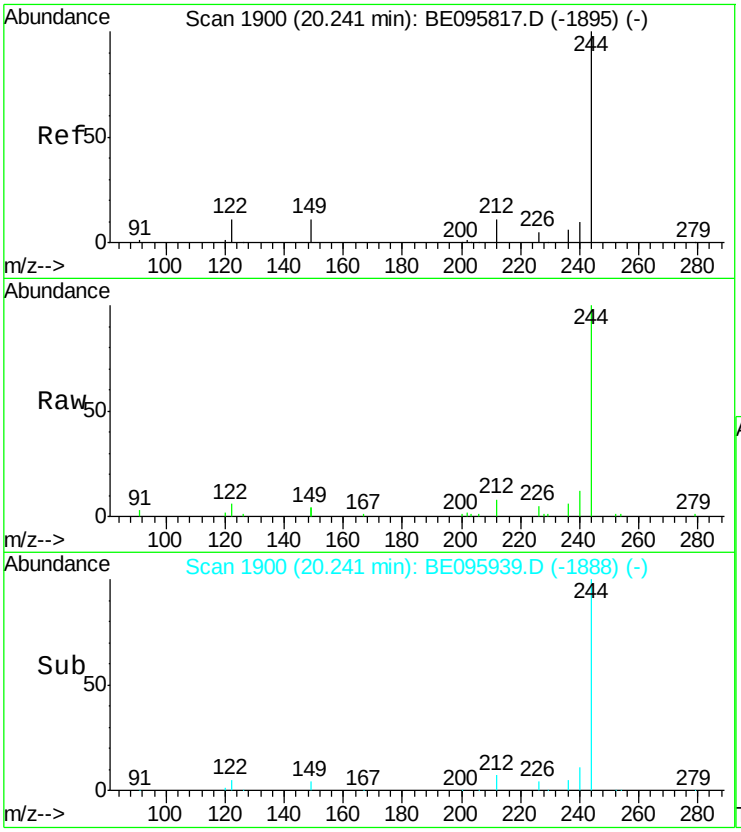


#28
Pyrene
Concen: 0.463 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:202 Resp: 15683

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	25.0
203	15.3	13.8	20.8



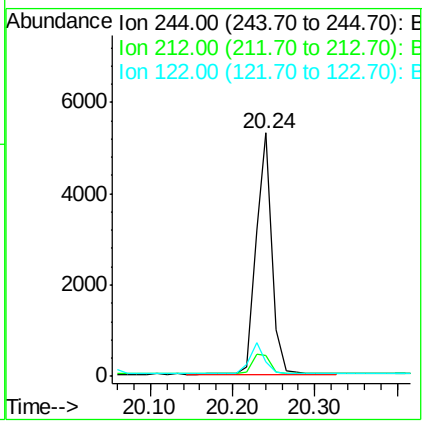


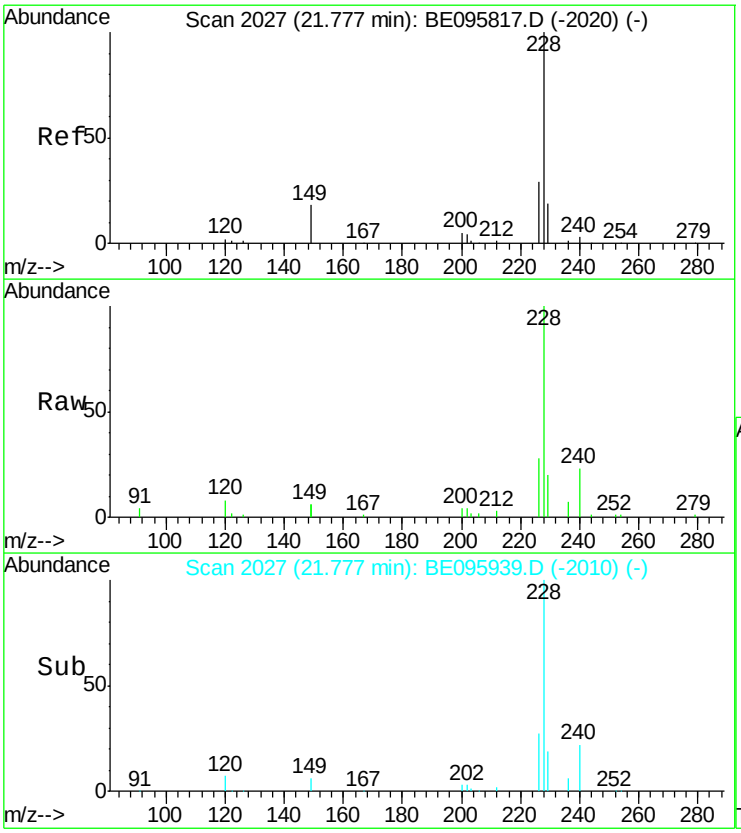
#29
Terphenyl-d14
Concen: 0.401 ng
RT: 20.24 min Scan# 1900
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7080

Ion	Ratio	Lower	Upper
244	100		
212	8.5	25.4	38.0#
122	5.9	8.1	12.1#

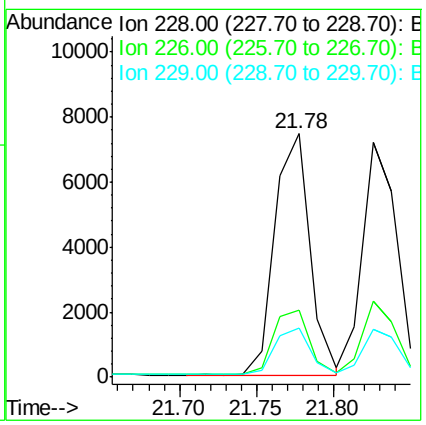


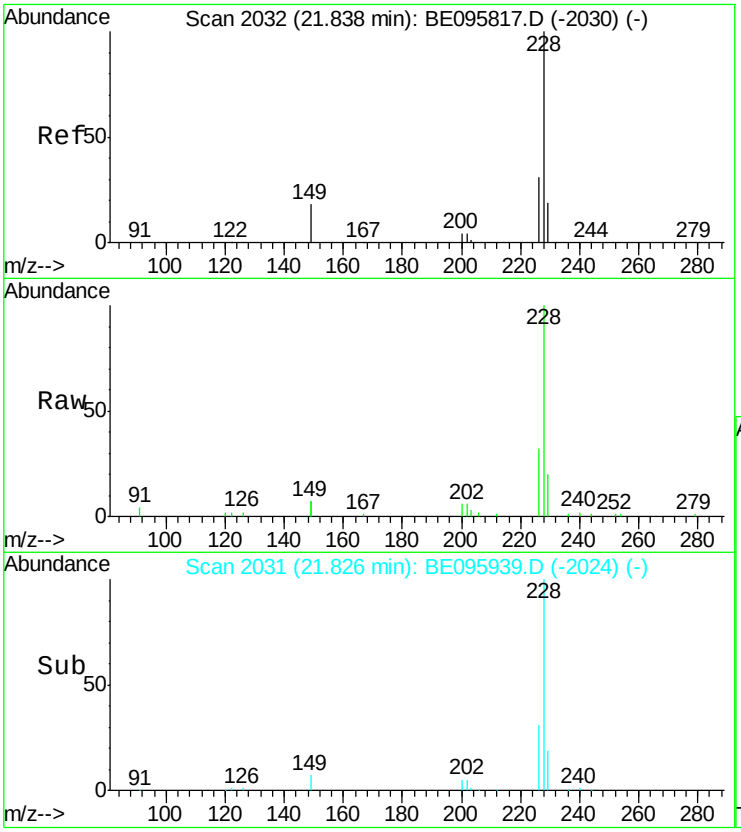


#30
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:228 Resp: 11804

Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.0	36.0
229	20.3	16.0	24.0



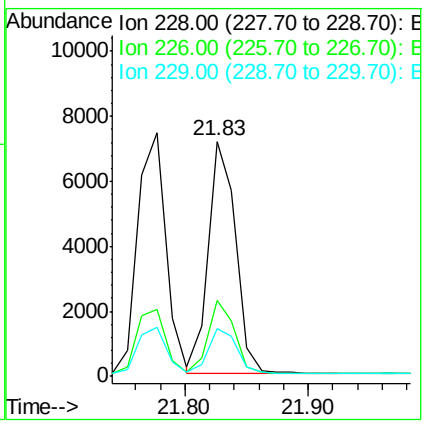


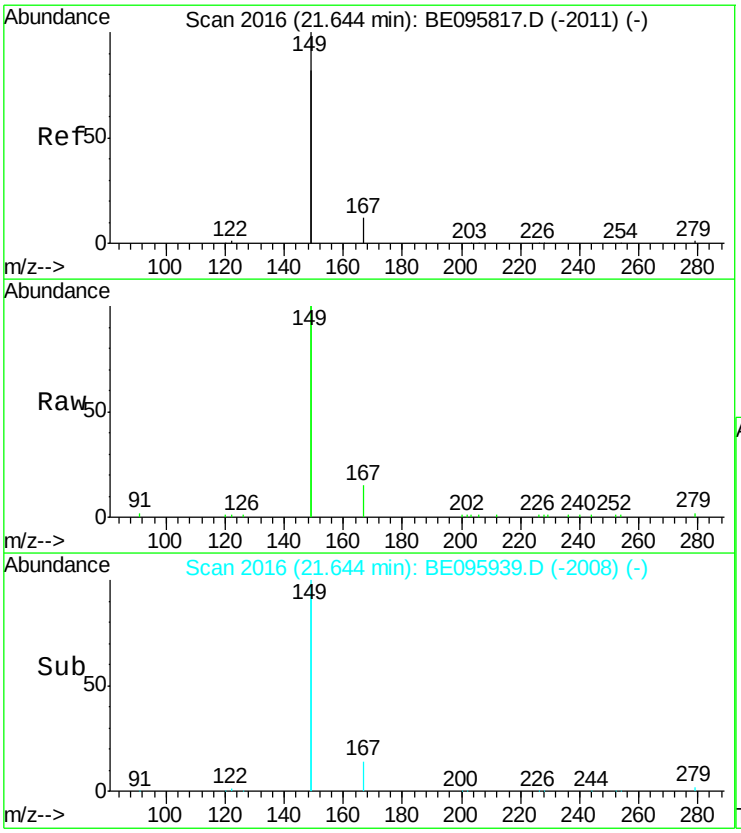
#31
Chrysene
Concen: 0.418 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11005

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	20.4	16.0	24.0

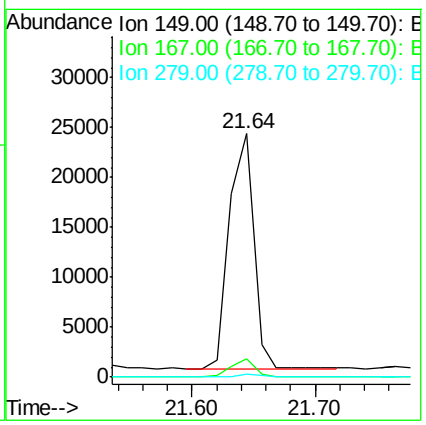


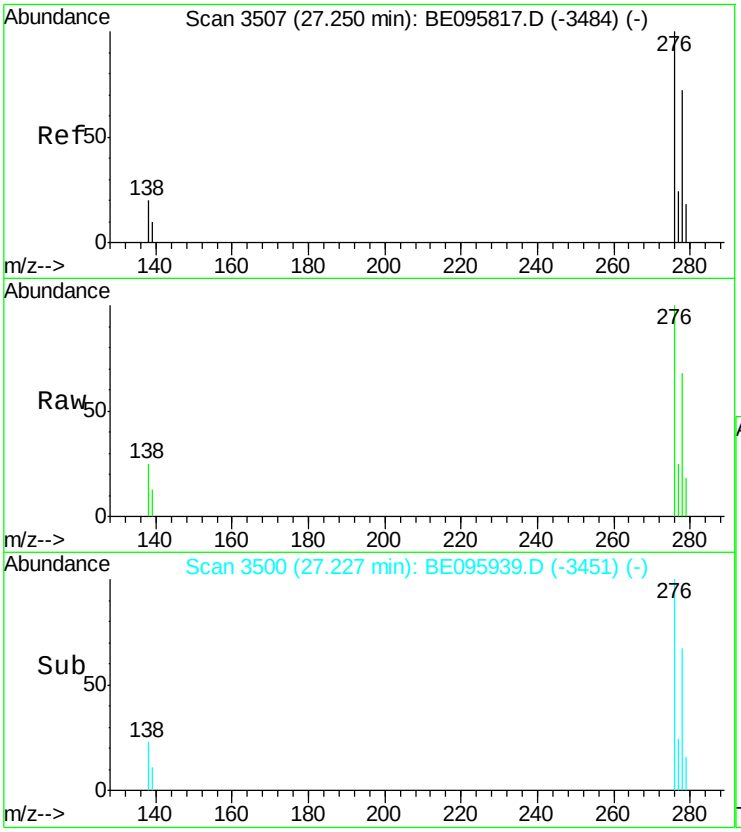


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.367 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:149 Resp: 32332

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1



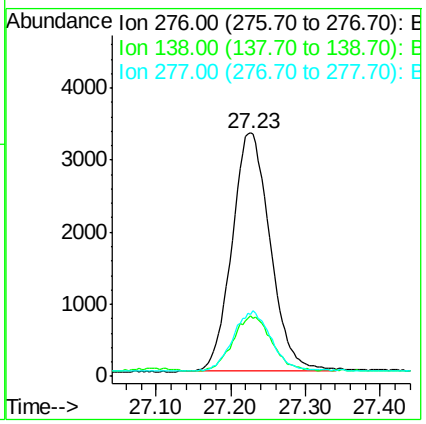


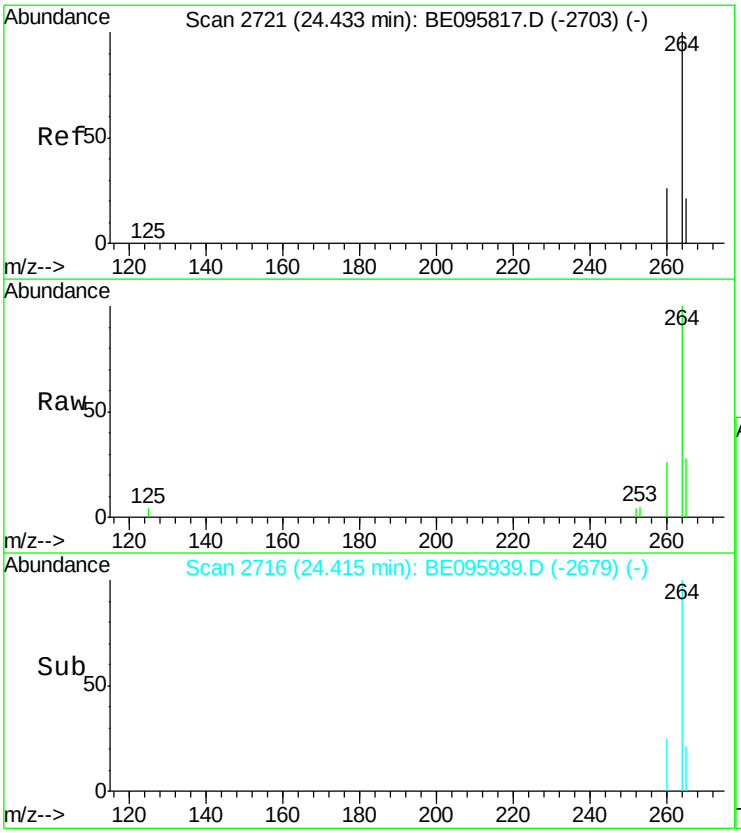
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.415 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.02 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11776

Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.5	33.7
277	24.8	19.9	29.9

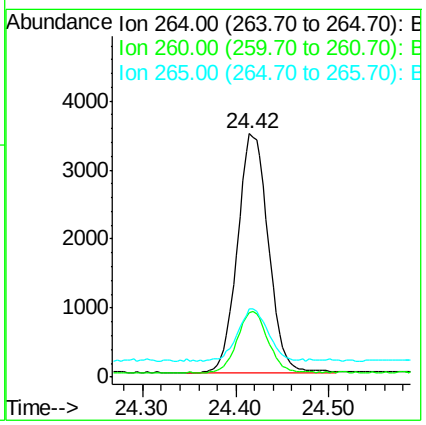


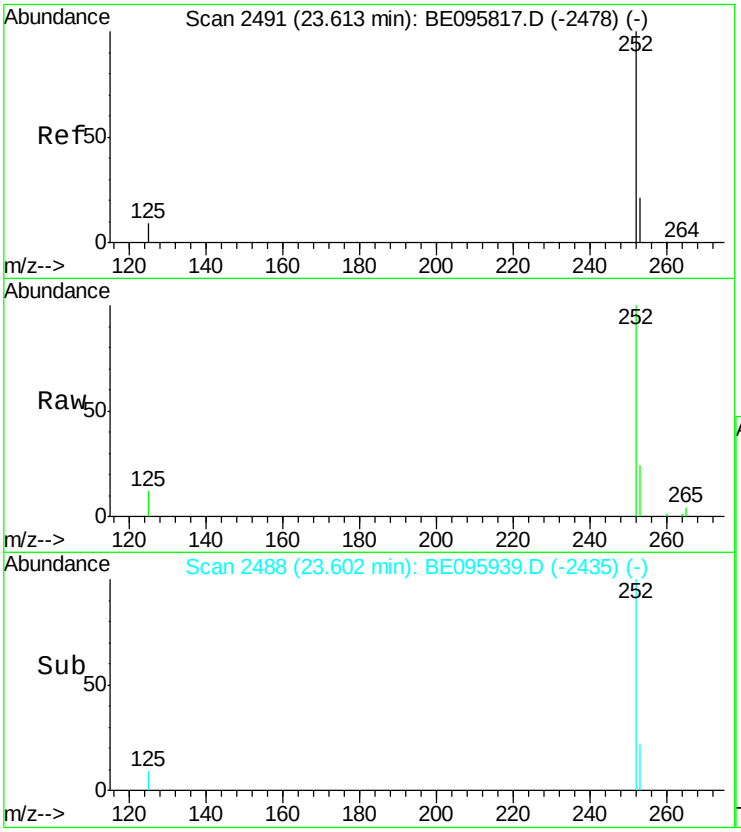


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2716
Delta R.T. -0.02 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:264 Resp: 8005

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	27.9	22.8	34.2



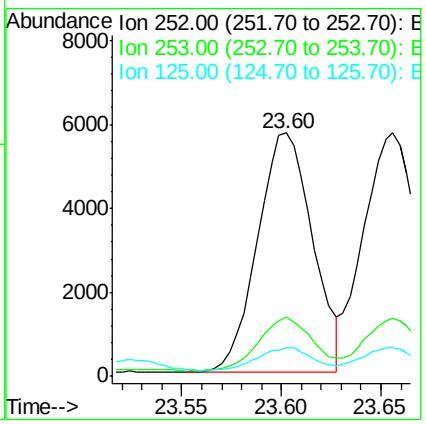


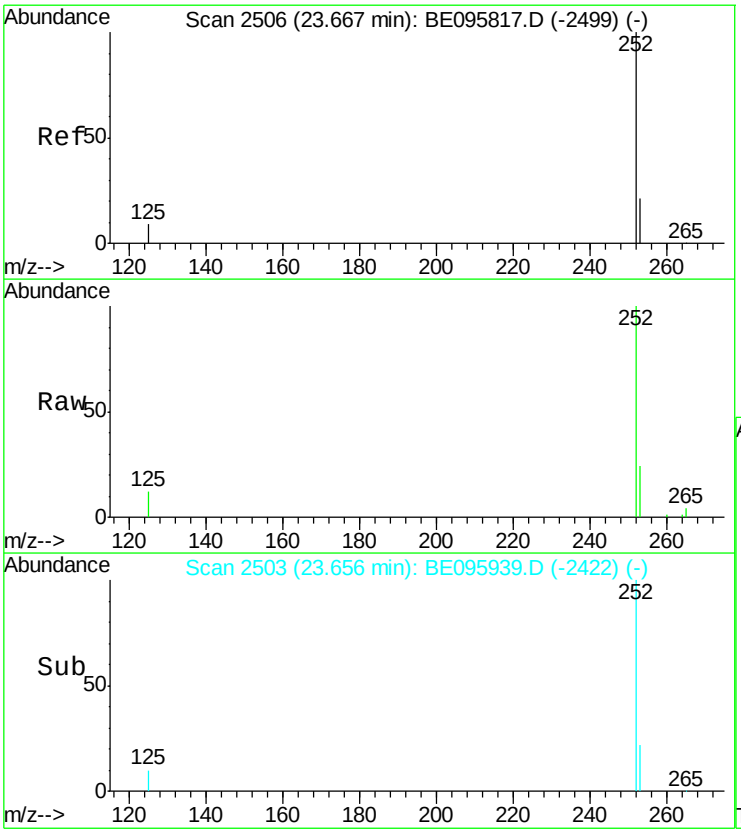
#35
Benzo(b)fluoranthene
Concen: 0.413 ng
RT: 23.60 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10933

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.0	30.0
125	11.6	16.0	24.0#

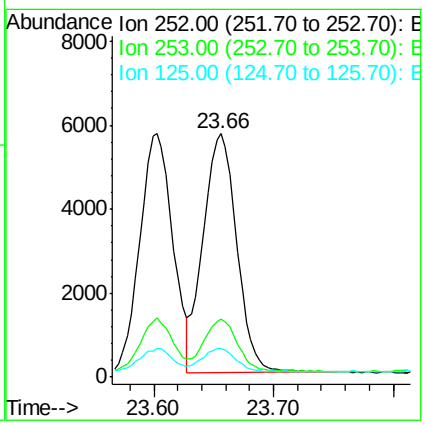


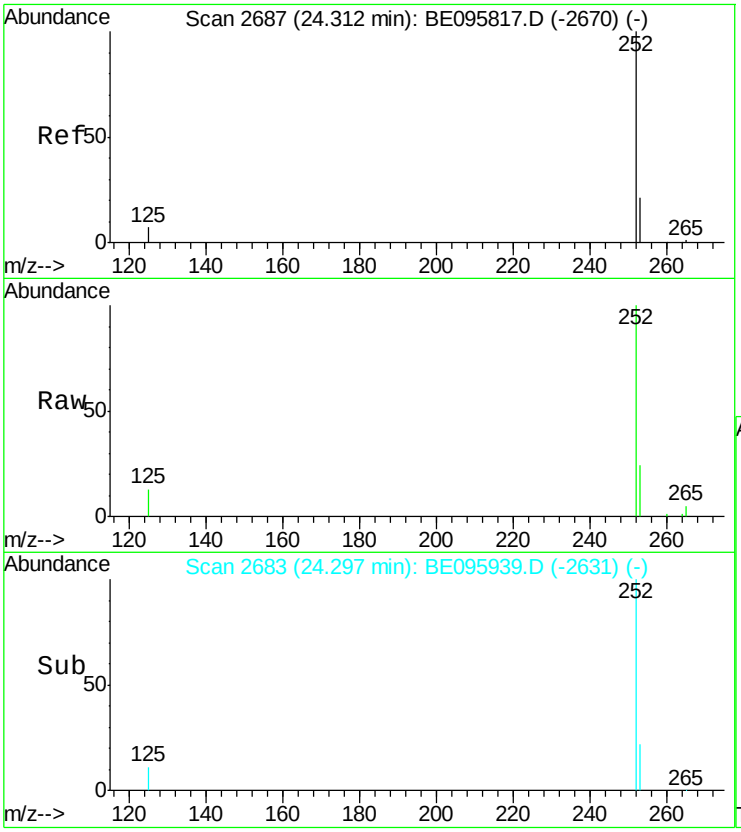


#36
Benzo(k)fluoranthene
Concen: 0.419 ng
RT: 23.66 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:252 Resp: 11097

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	11.9	8.0	12.0



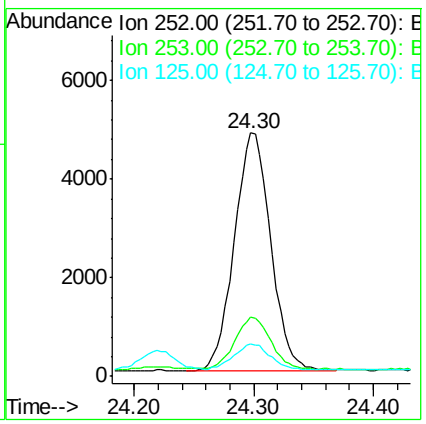


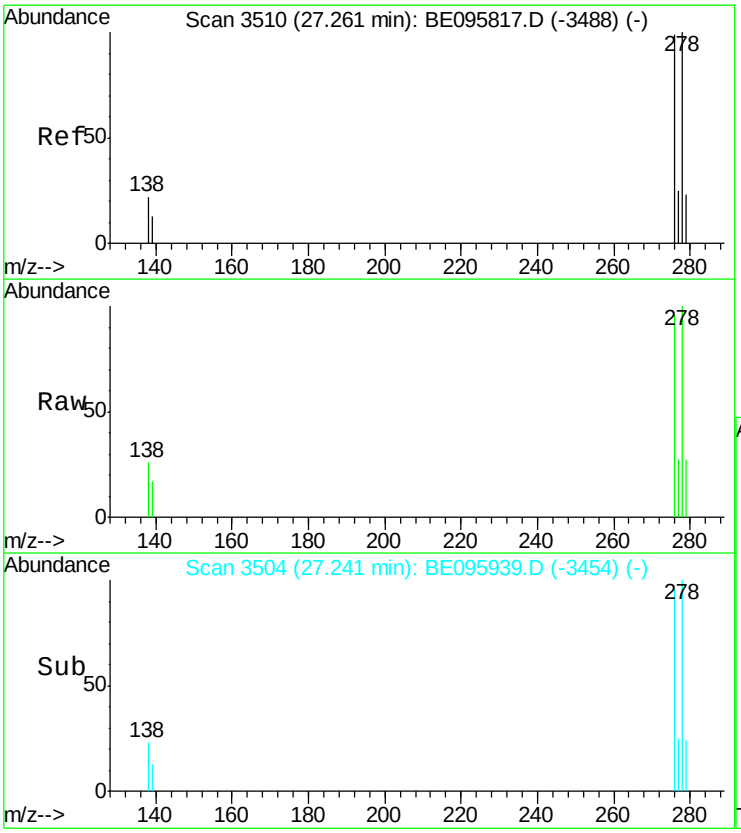
#37
Benzo(a)pyrene
Concen: 0.413 ng
RT: 24.30 min Scan# 2683
Delta R.T. -0.01 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10245

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.0	24.0#
125	13.3	12.0	18.0

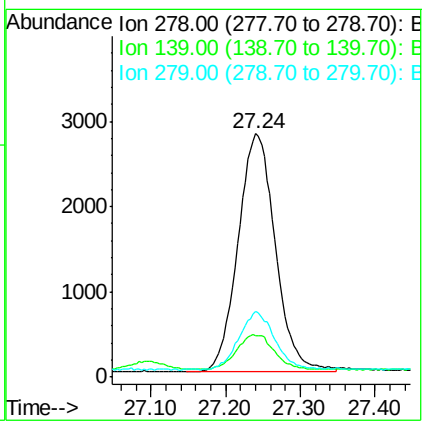


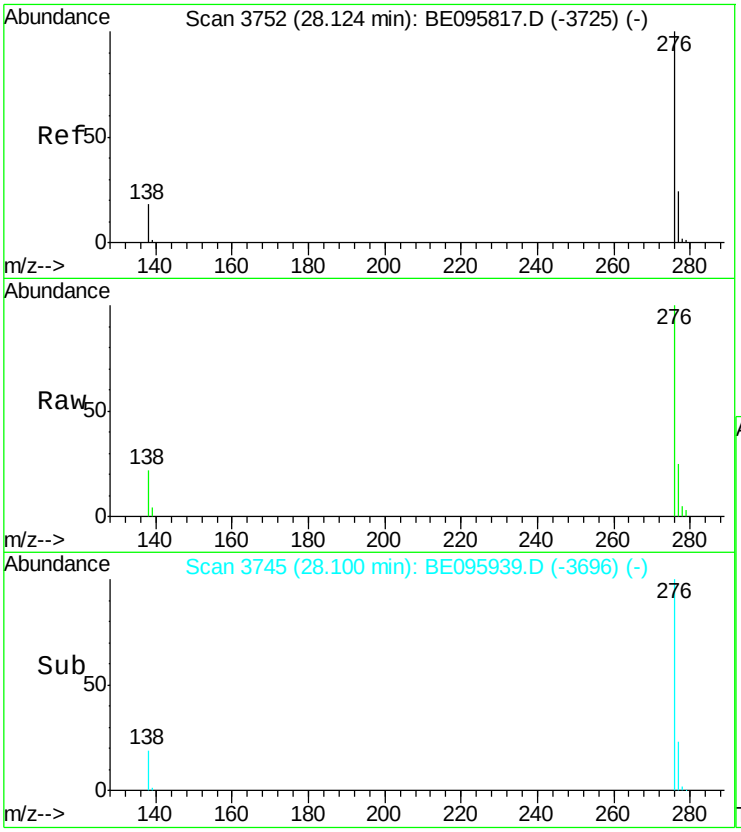


#38
Dibenzo(a,h)anthracene
Concen: 0.411 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Tgt Ion:278 Resp: 9685

Ion	Ratio	Lower	Upper
278	100		
139	17.1	16.0	24.0
279	27.1	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.417 ng
RT: 28.10 min Scan# 3745
Delta R.T. -0.02 min
Lab File: BE095939.D
Acq: 4 Apr 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9877

Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0#
138	21.9	20.0	30.0