Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040518\
Data File : BE095949.D
Acq On : 5 Apr 2018 8:53
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 06 04:41:59 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	8.41	152	1353	0.40	ng		-0.02
7) Naphthalene-d8	11.26	136	6007	0.40	ng		0.00
13) Acenaphthene-d10	14.99	164	3604	0.40	ng		-0.01
19) Phenanthrene-d10	17.70	188	7998	0.40	ng		-0.01
27) Chrysene-d12	21.79	240	8268	0.40	ng		-0.01
34) Perylene-d12	24.42	264	8166	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	1744	0.39	ng		-0.02
5) Phenol-d6	7.56	99	2637	0.43	ng		0.00
8) Nitrobenzene-d5	9.59	82	2769	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.79	152	4158	0.41	ng		-0.01
14) 2,4,6-Tribromophenol	16.46	330	699	0.34	ng		-0.01
15) 2-Fluorobiphenyl	13.63	172	6194	0.41	ng		-0.01
25) Fluoranthene-d10	19.68	212	43279	0.36	ng		-0.01
29) Terphenyl-d14	20.24	244	7067	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.64	88	864	0.390	ng		95
3) n-Nitrosodimethylamine	3.99	42	1236	0.380	ng	#	84
6) bis(2-Chloroethyl)ether	7.81	93	2267	0.428	ng		94
9) Naphthalene	11.30	128	28590	0.417	ng		99
10) Hexachlorobutadiene	11.56	225	1721	0.365	ng		96
12) 2-Methylnaphthalene	12.86	142	5001	0.427	ng		100
16) Acenaphthylene	14.71	152	8397	0.407	ng		99
17) Acenaphthene	15.06	154	5170	0.411	ng		96
18) Fluorene	16.02	166	6507	0.393	ng	#	78
20) 4-Bromophenyl-phenylether	16.89	248	2062	0.429	ng	#	77
21) Hexachlorobenzene	17.02	284	2017	0.420	ng	#	81
22) Pentachlorophenol	17.36	266	659	0.494	ng	#	75
23) Phenanthrene	17.74	178	10066	0.420	ng		99
24) Anthracene	17.82	178	9648	0.403	ng	#	95
26) Fluoranthene	19.71	202	12366	0.372	ng		98
28) Pyrene	20.06	202	15026	0.446	ng		96
30) Benzo(a)anthracene	21.77	228	11810	0.412	ng		100
31) Chrysene	21.83	228	11084	0.424	ng		98
32) Bis(2-ethylhexyl)phthalate	21.63	149	32898	0.375	ng		100
33) Indeno(1,2,3-cd)pyrene	27.23	276	12112	0.430	ng		94
35) Benzo(b)fluoranthene	23.60	252	11236	0.416	ng	#	90
36) Benzo(k)fluoranthene	23.65	252	11280	0.417	ng		93
37) Benzo(a)pyrene	24.30	252	10556	0.417	ng		94
38) Dibenzo(a,h)anthracene	27.24	278	10023	0.417	ng		96
39) Benzo(g,h,i)perylene	28.10	276	10067	0.417	ng	#	93

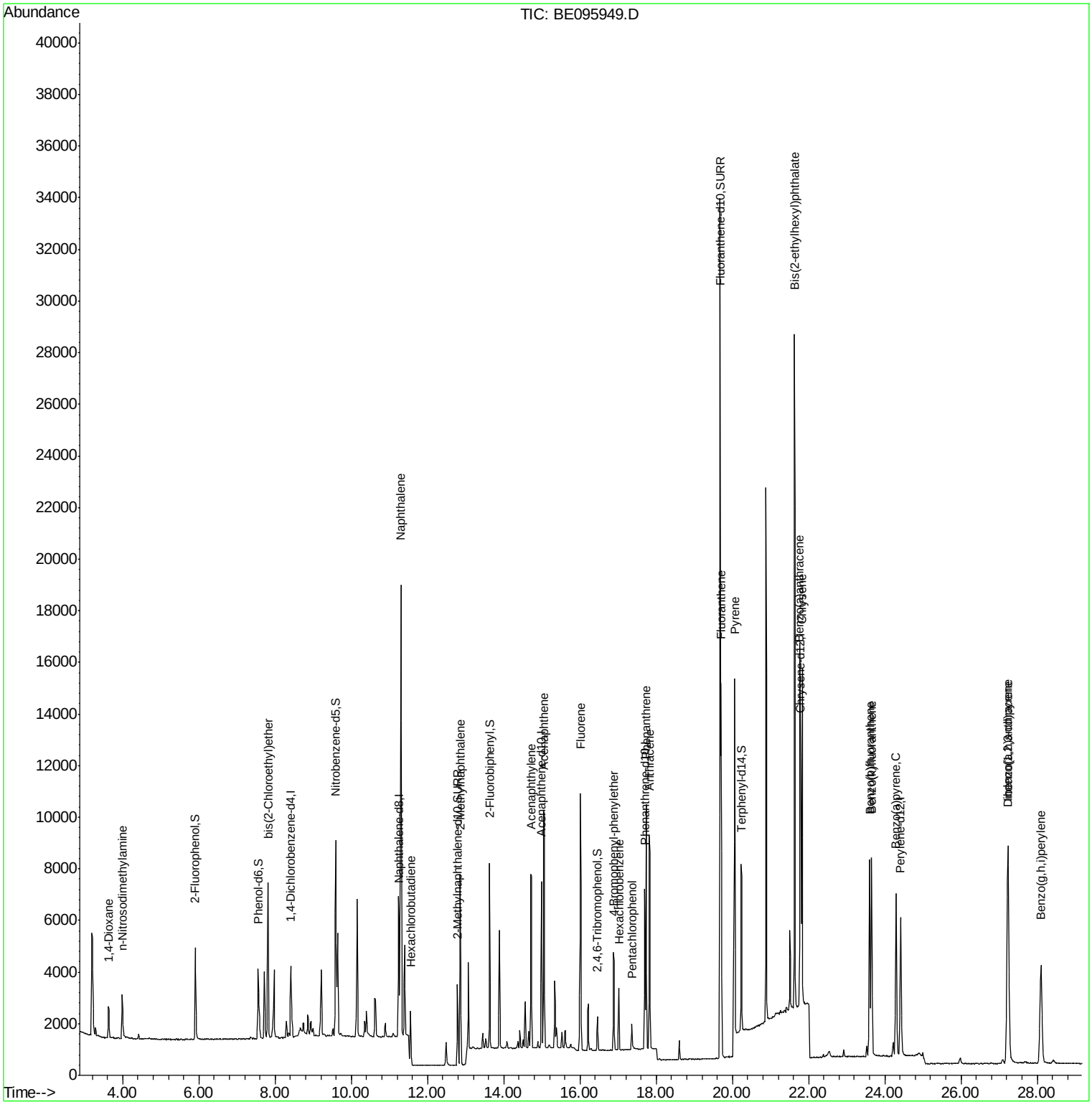
(#) = qualifier out of range (m) = manual integration (+) = signals summed

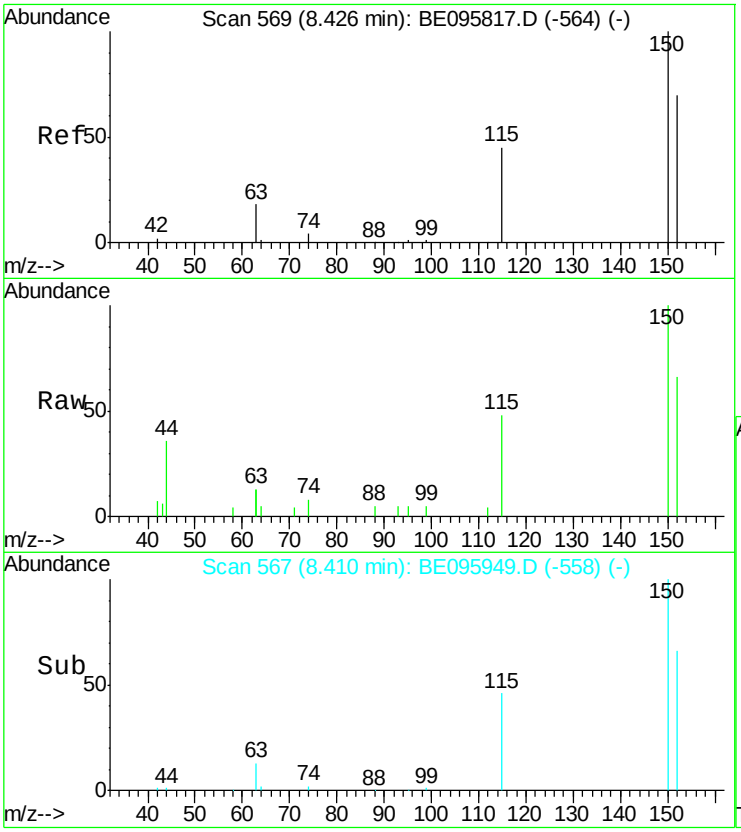
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040518\
Data File : BE095949.D
Acq On : 5 Apr 2018 8:53
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 06 04:41:59 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



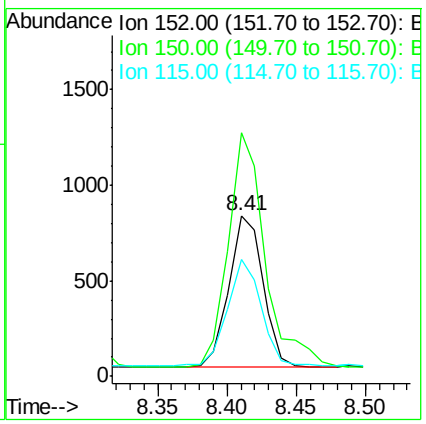


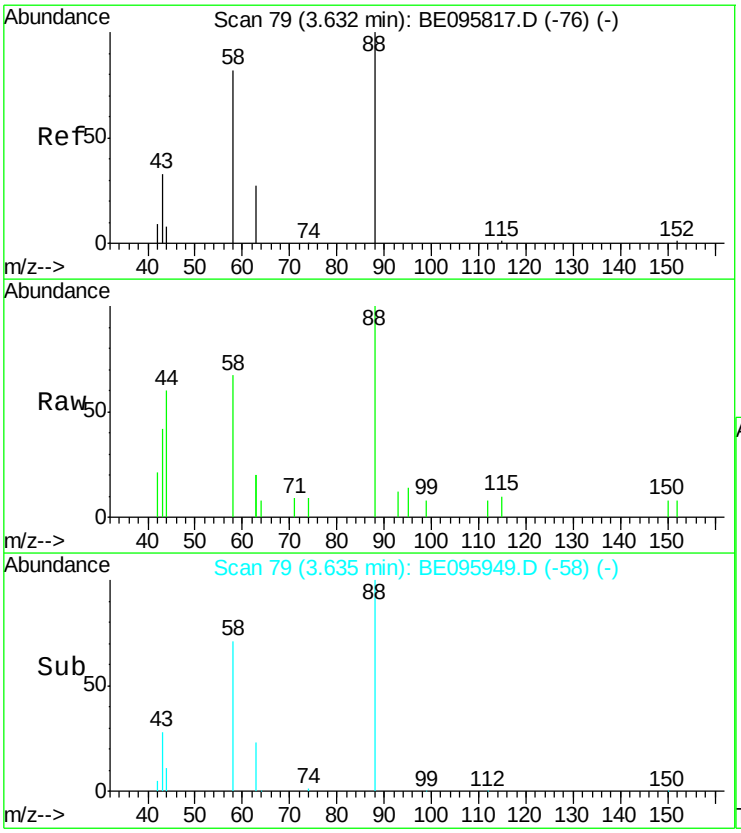
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.41 min Scan# 567
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1353

Ion	Ratio	Lower	Upper
152	100		
150	151.1	117.2	175.8
115	72.4	57.0	85.6

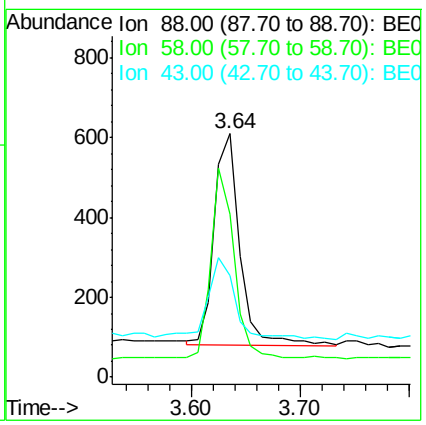


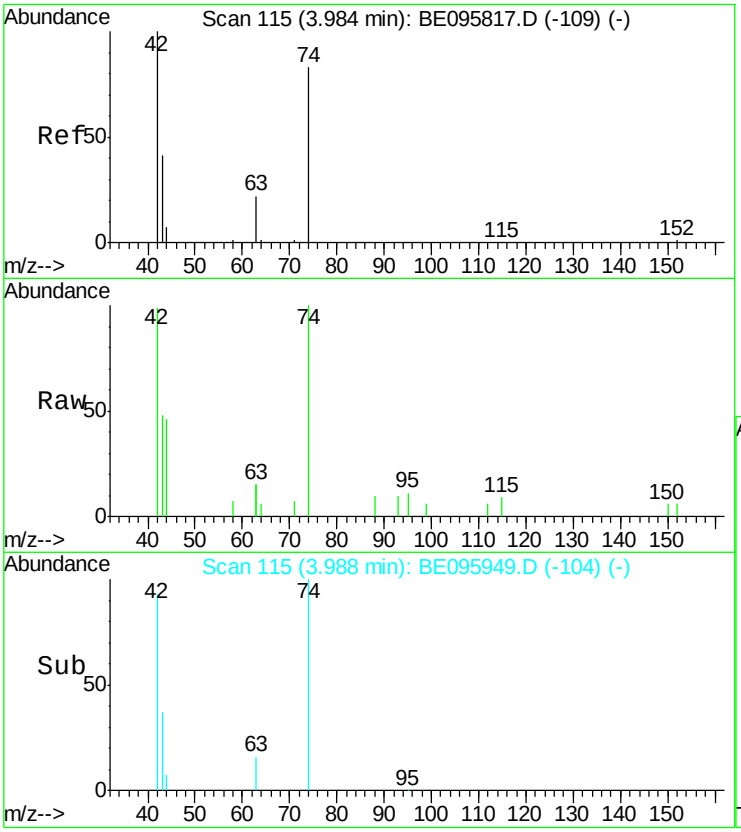


#2
1,4-Dioxane
Concen: 0.390 ng
RT: 3.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion: 88 Resp: 864

Ion	Ratio	Lower	Upper
88	100		
58	80.8	63.2	94.8
43	44.7	41.2	61.8



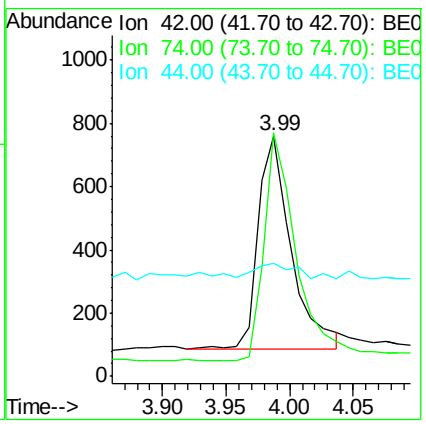


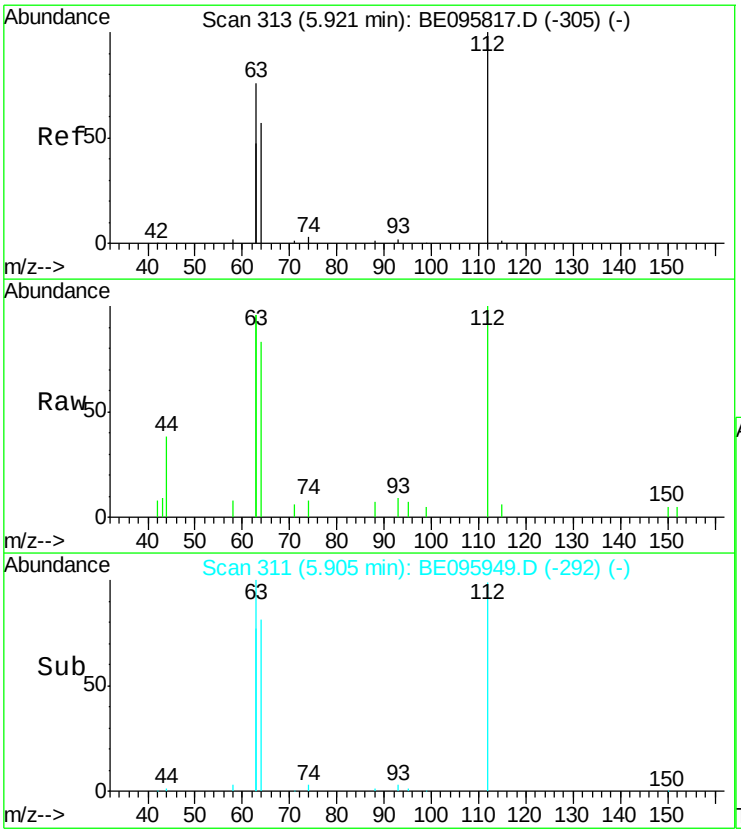
#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.99 min Scan# 115
Delta R.T. 0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1236

Ion	Ratio	Lower	Upper
42	100		
74	101.9	96.0	144.0
44	8.8	12.0	18.0#

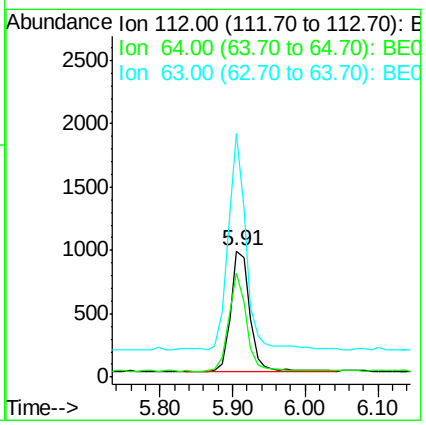


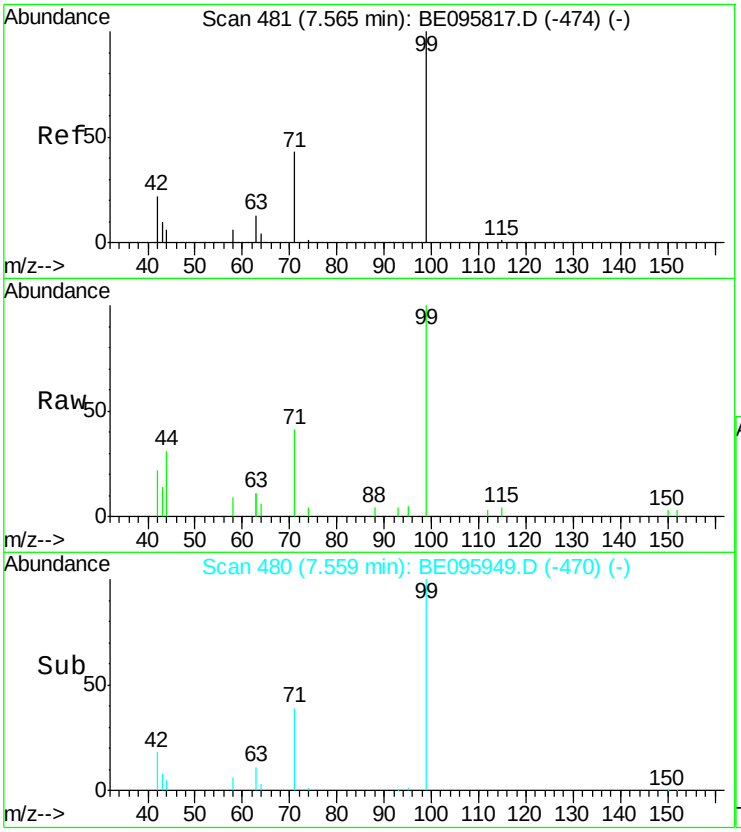


#4
2-Fluorophenol
Concen: 0.391 ng
RT: 5.91 min Scan# 311
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:112 Resp: 1744

Ion	Ratio	Lower	Upper
112	100		
64	74.6	60.1	90.1
63	169.4	116.8	175.2



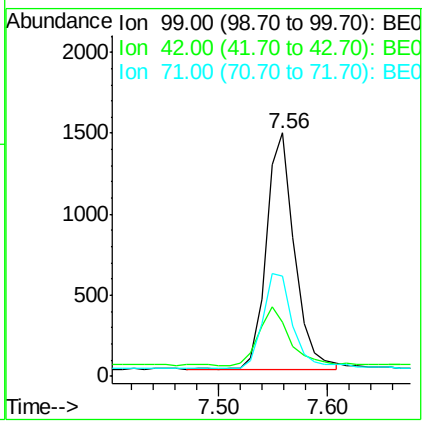


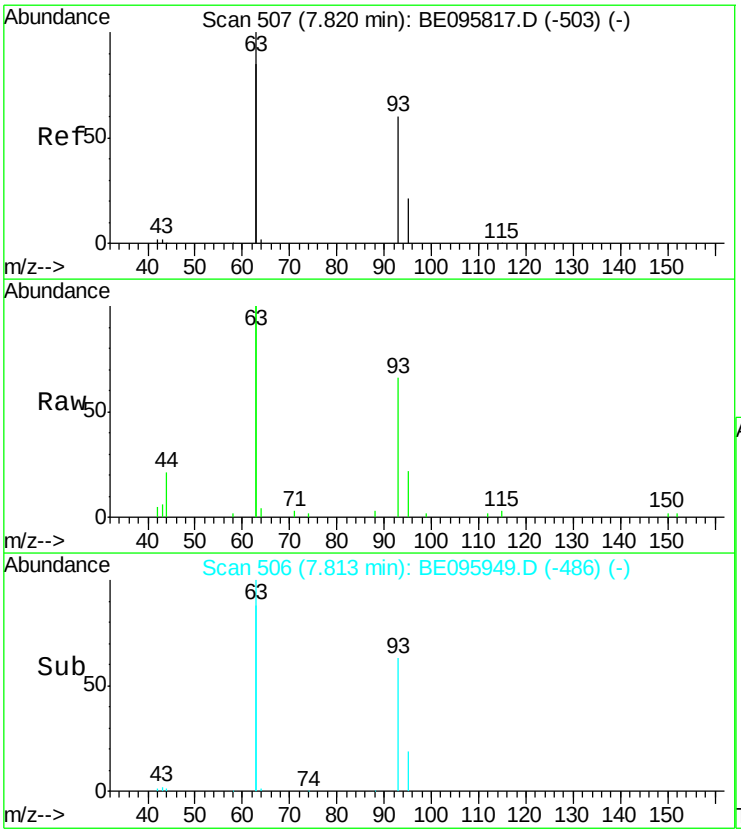
#5
Phenol-d6
Concen: 0.430 ng
RT: 7.56 min Scan# 480
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2637

Ion	Ratio	Lower	Upper
99	100		
42	26.9	20.2	30.2
71	42.9	28.4	42.6#

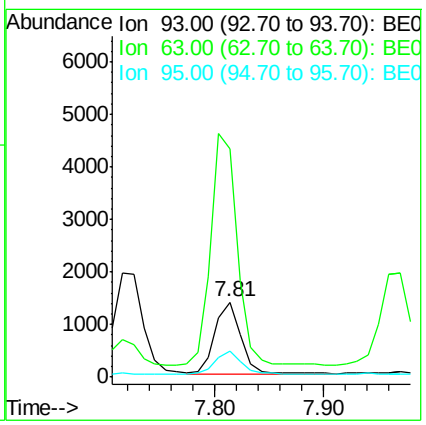


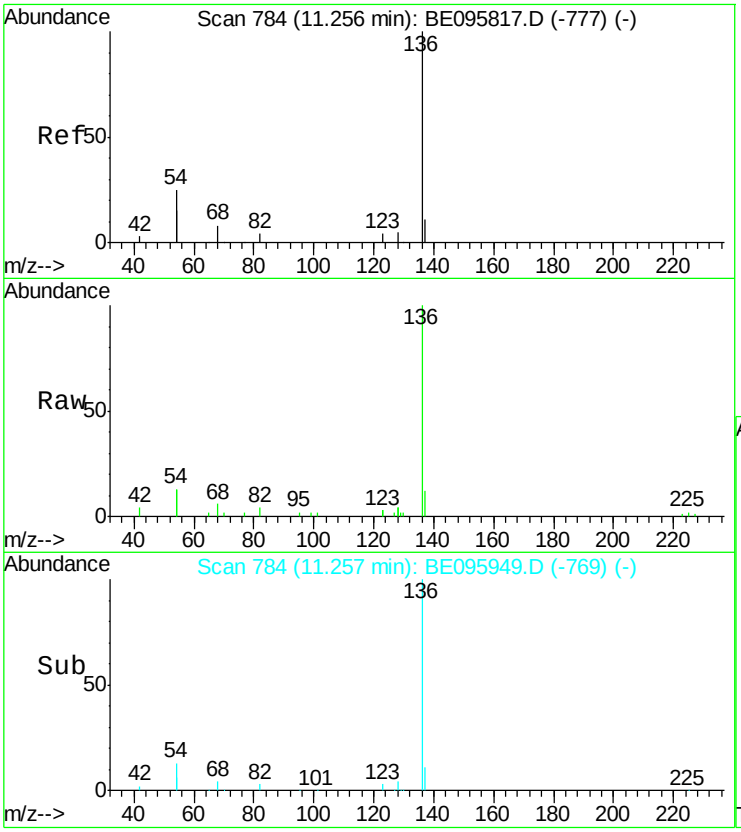


#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 7.81 min Scan# 506
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion: 93 Resp: 2267

Ion	Ratio	Lower	Upper
93	100		
63	329.7	275.3	412.9
95	31.0	25.2	37.8



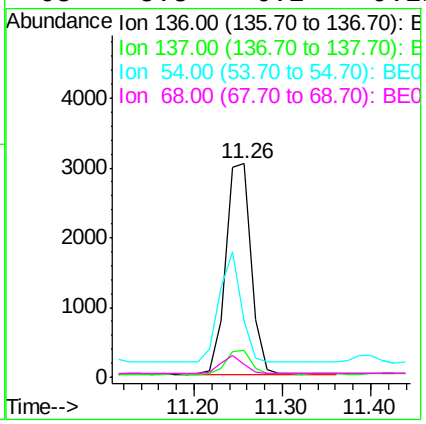


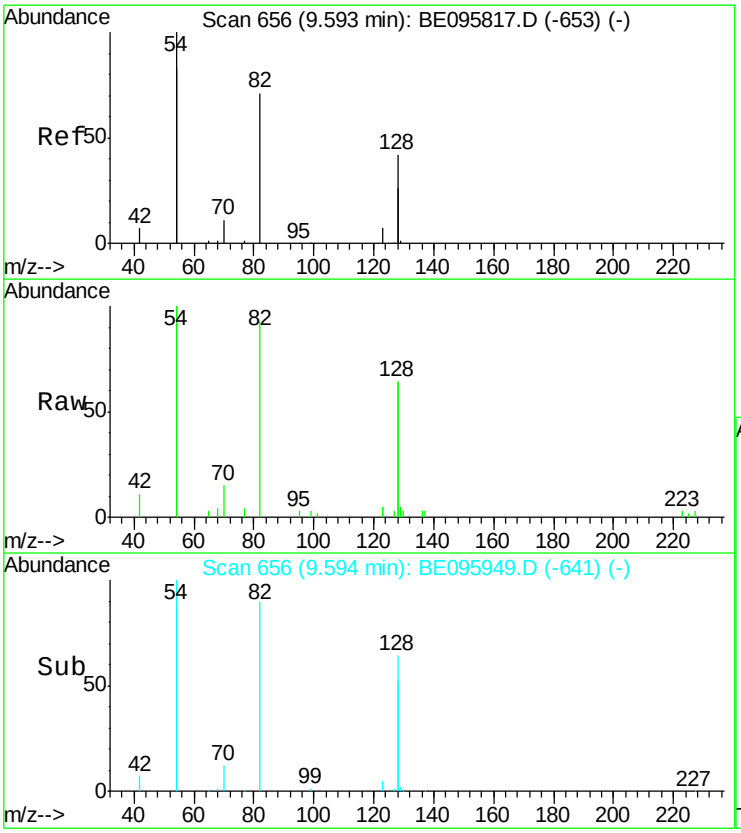
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. 0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6007

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	26.2	29.1	43.7#
68	5.8	6.2	9.2#

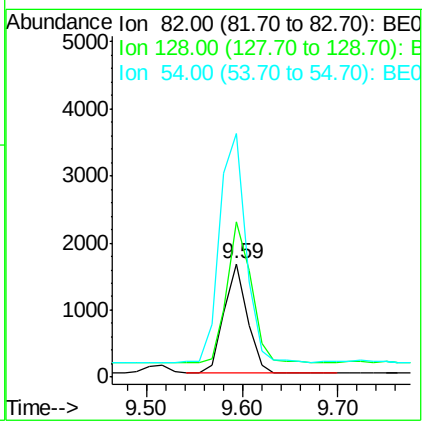


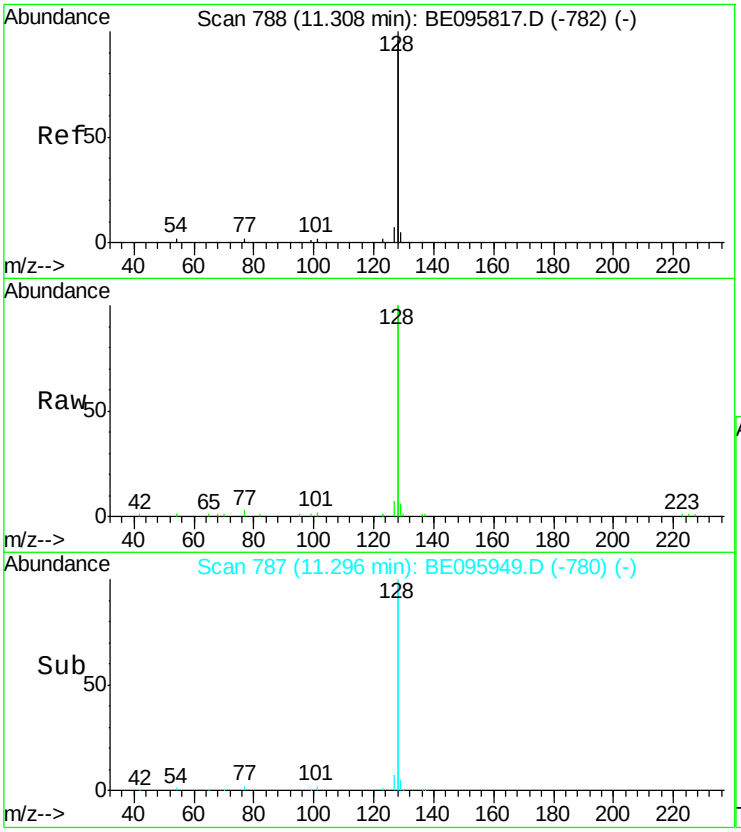


#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 9.59 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion: 82 Resp: 2769

Ion	Ratio	Lower	Upper
82	100		
128	136.9	150.0	225.0#
54	214.2	154.2	231.4



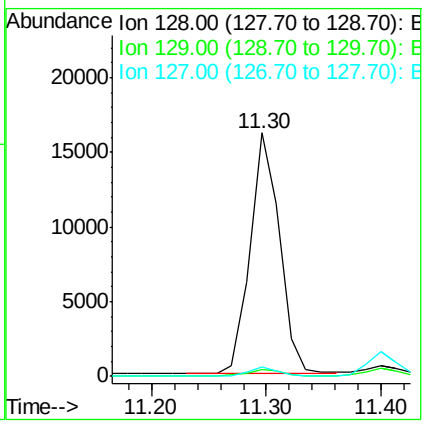


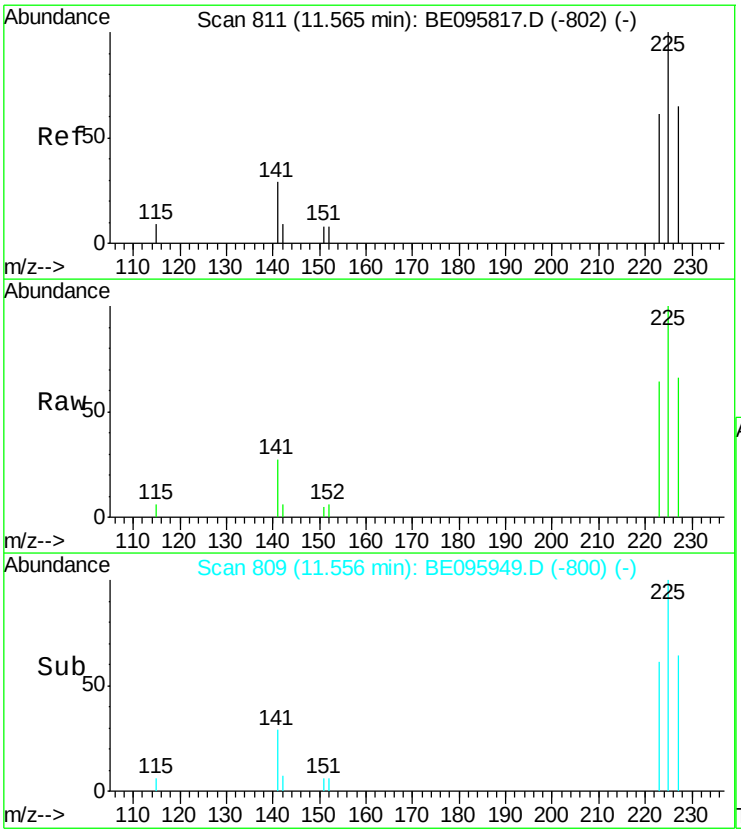
#9
Naphthalene
Concen: 0.417 ng
RT: 11.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 28590

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.6	2.8	4.2

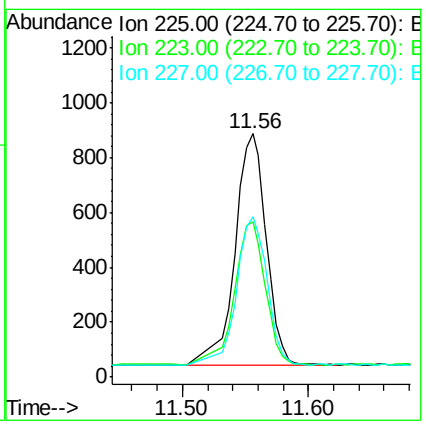


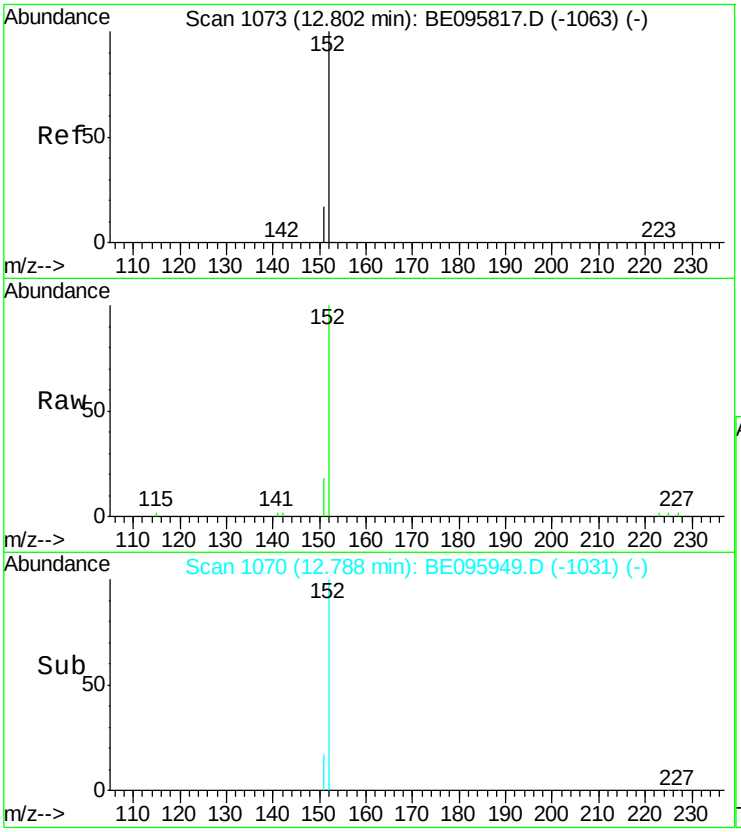


#10
Hexachlorobutadiene
Concen: 0.365 ng
RT: 11.56 min Scan# 809
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:225 Resp: 1721

Ion	Ratio	Lower	Upper
225	100		
223	62.3	53.0	79.6
227	66.3	51.4	77.2



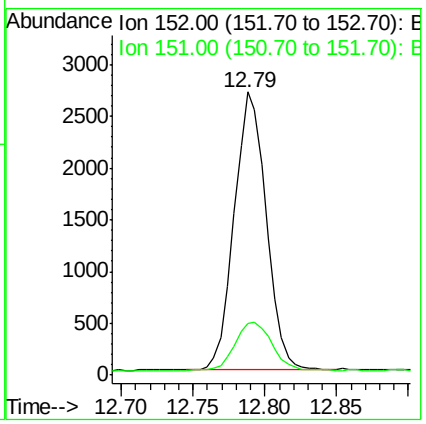


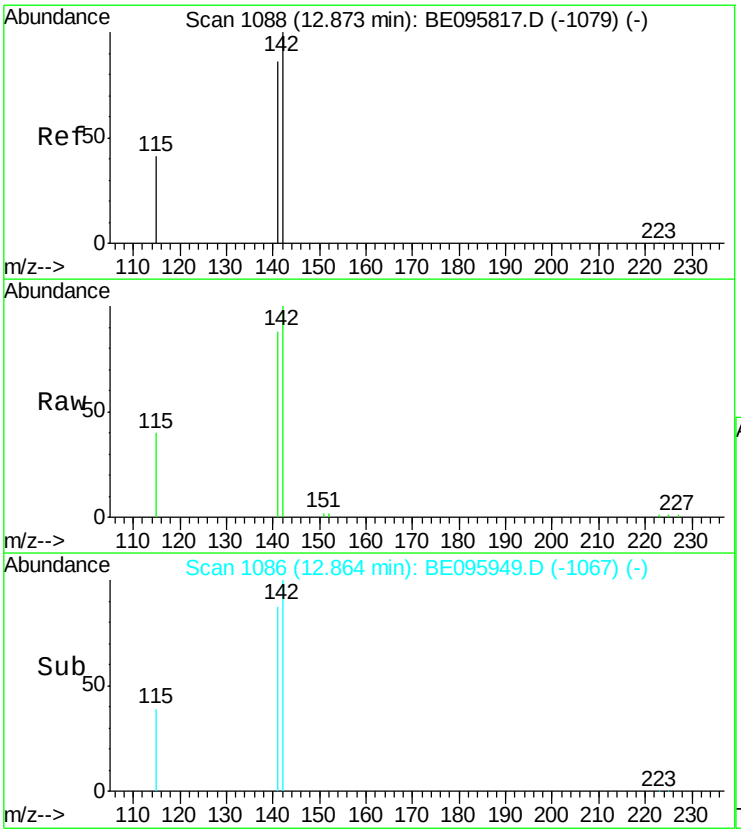
#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 12.79 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4158

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.0

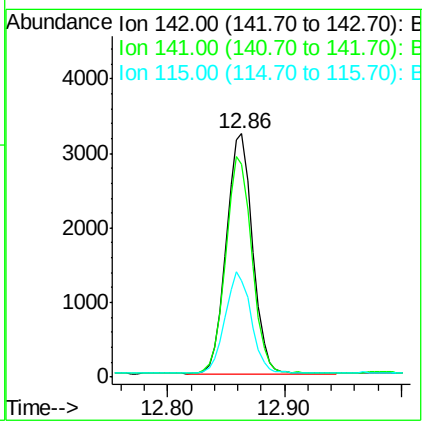


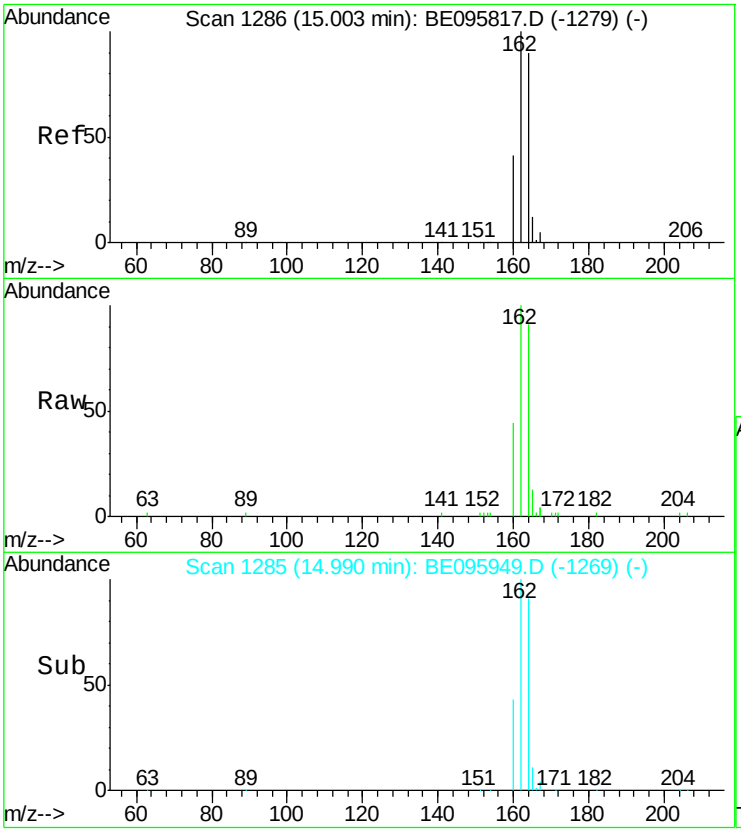


#12
2-Methylnaphthalene
Concen: 0.427 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:142 Resp: 5001

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	39.8	31.7	47.5



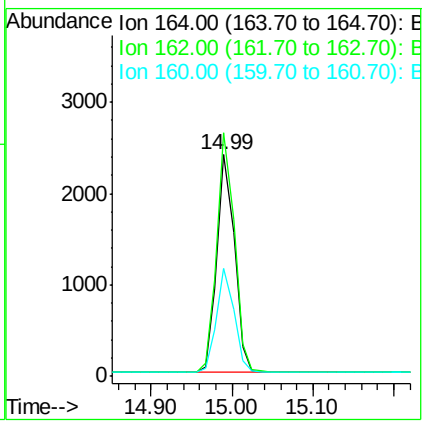


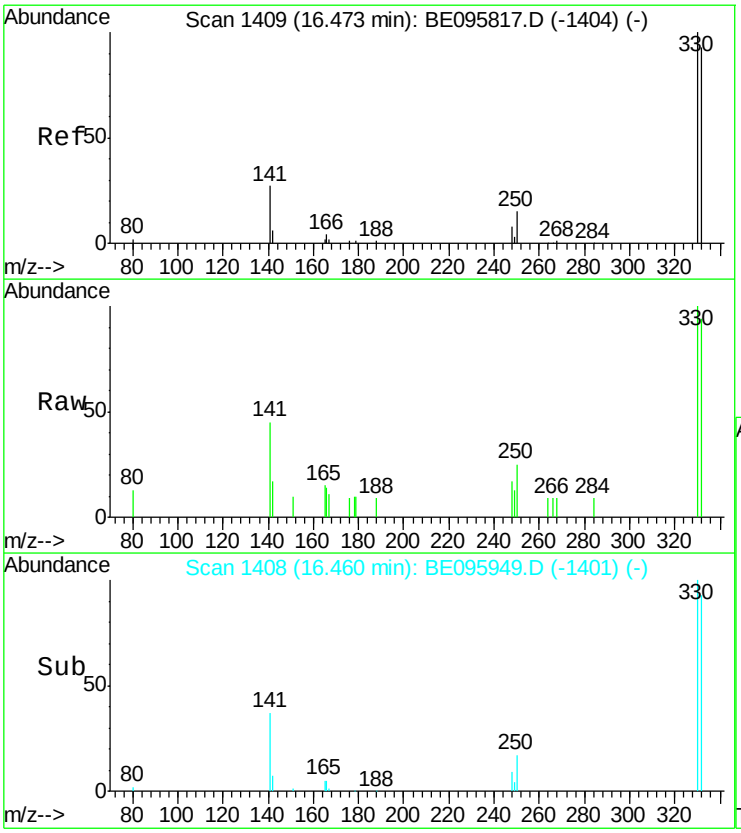
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3604

Ion	Ratio	Lower	Upper
164	100		
162	110.0	83.1	124.7
160	48.9	37.1	55.7

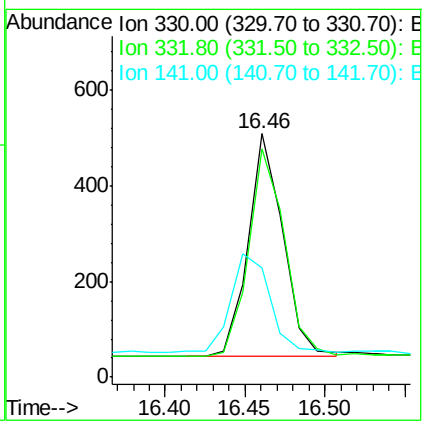


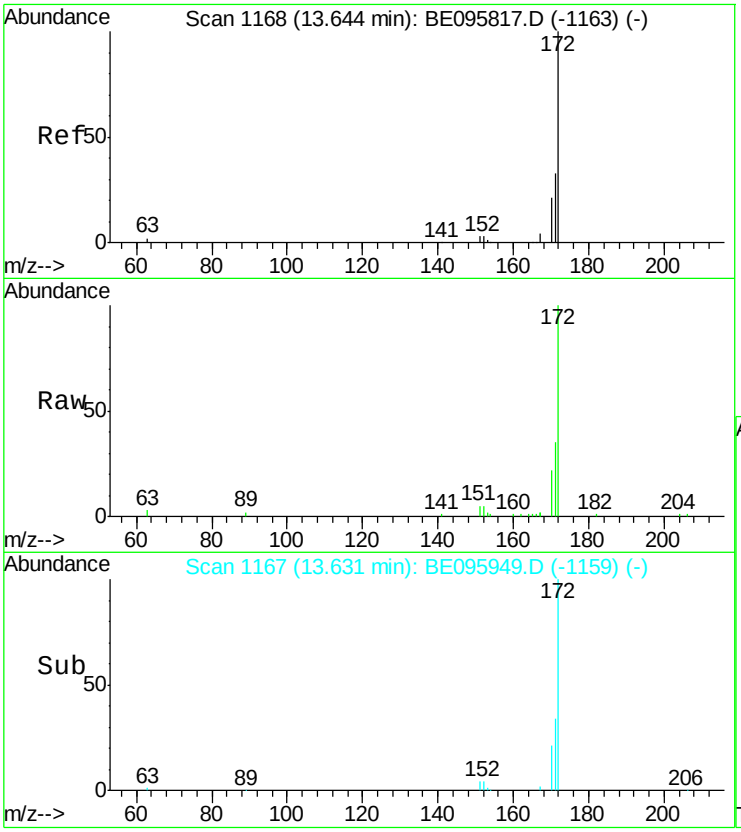


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 16.46 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:330 Resp: 699

Ion	Ratio	Lower	Upper
330	100		
332	96.4	152.7	229.1#
141	48.4	33.7	50.5



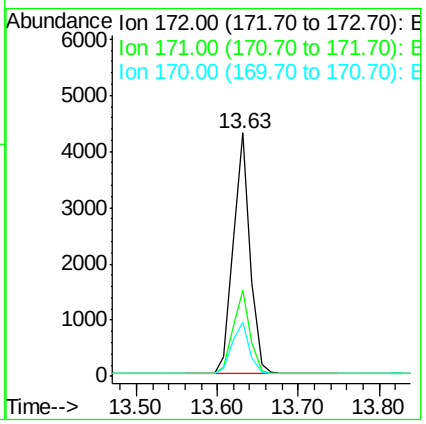


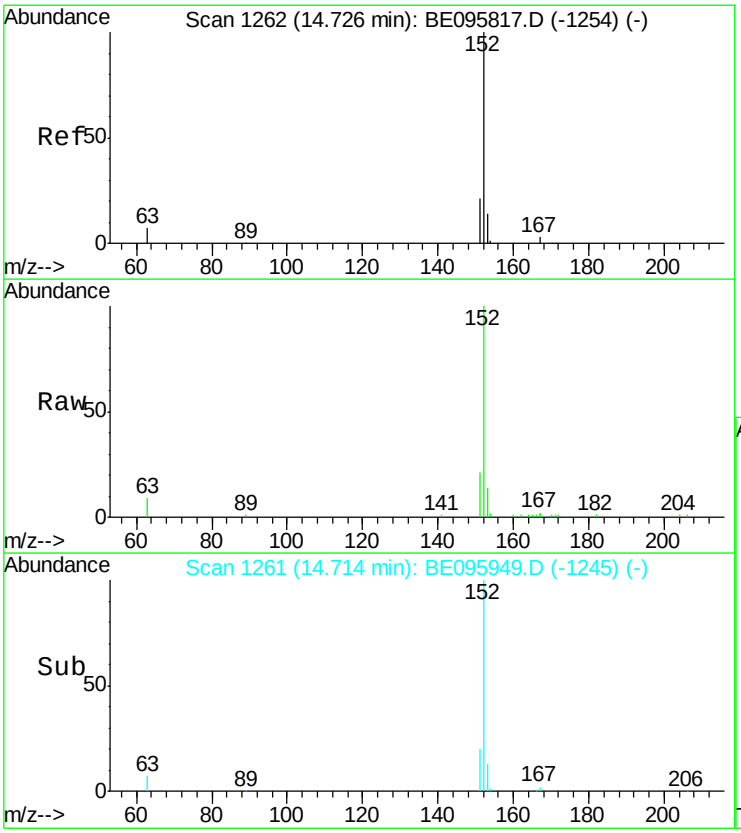
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 6194

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.9	44.9
170	22.1	21.8	32.8

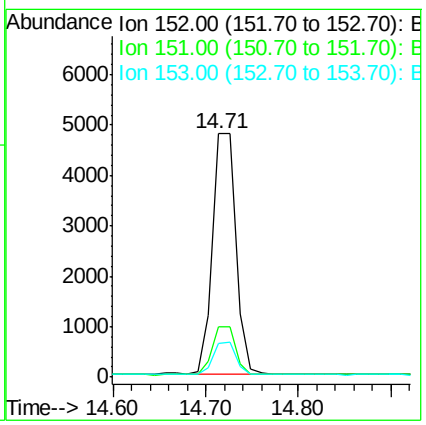


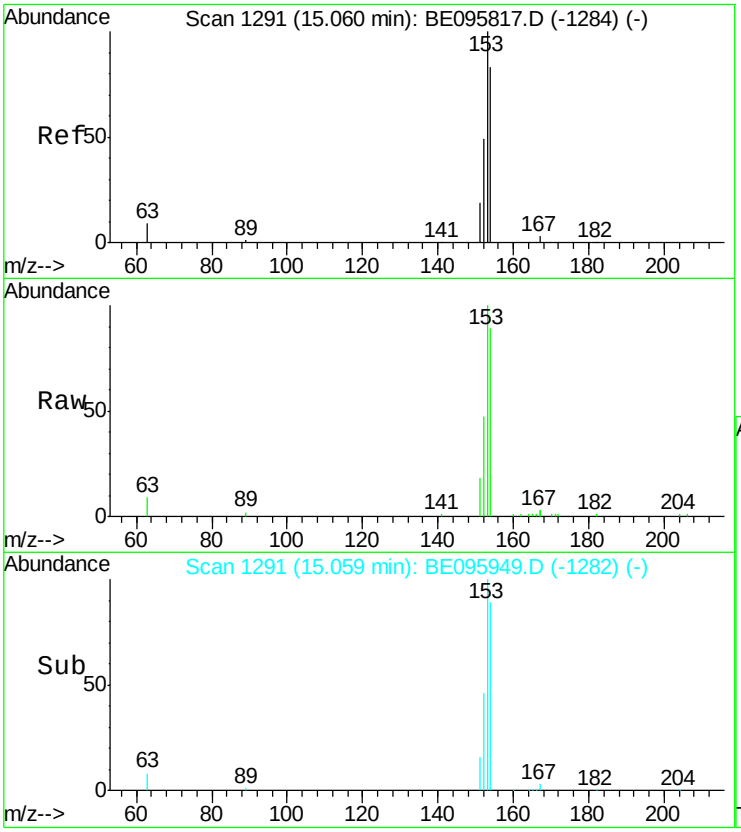


#16
Acenaphthylene
Concen: 0.407 ng
RT: 14.71 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:152 Resp: 8397

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.5	10.5	15.7



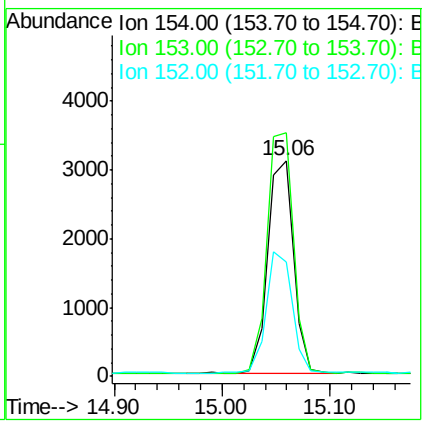


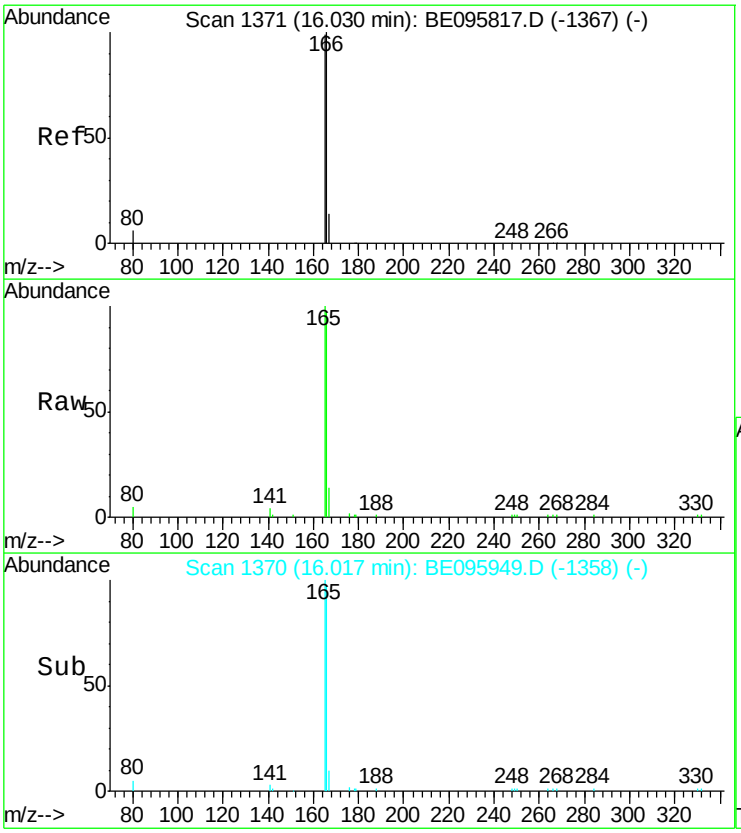
#17
Acenaphthene
Concen: 0.411 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5170

Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.2	133.8
152	56.7	42.0	63.0

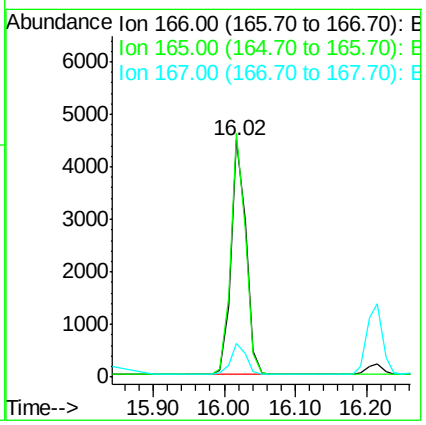


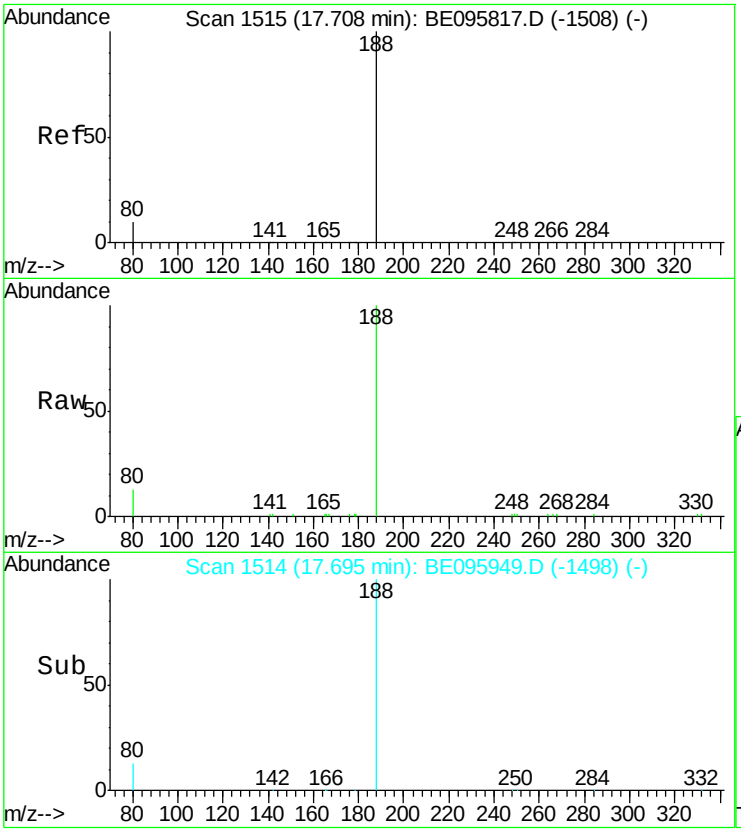


#18
Fluorene
Concen: 0.393 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:166 Resp: 6507

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.6
167	13.6	42.4	63.6#



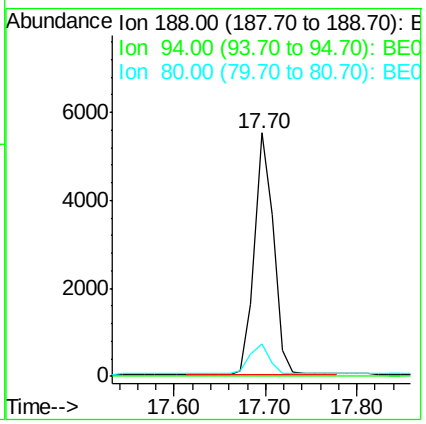


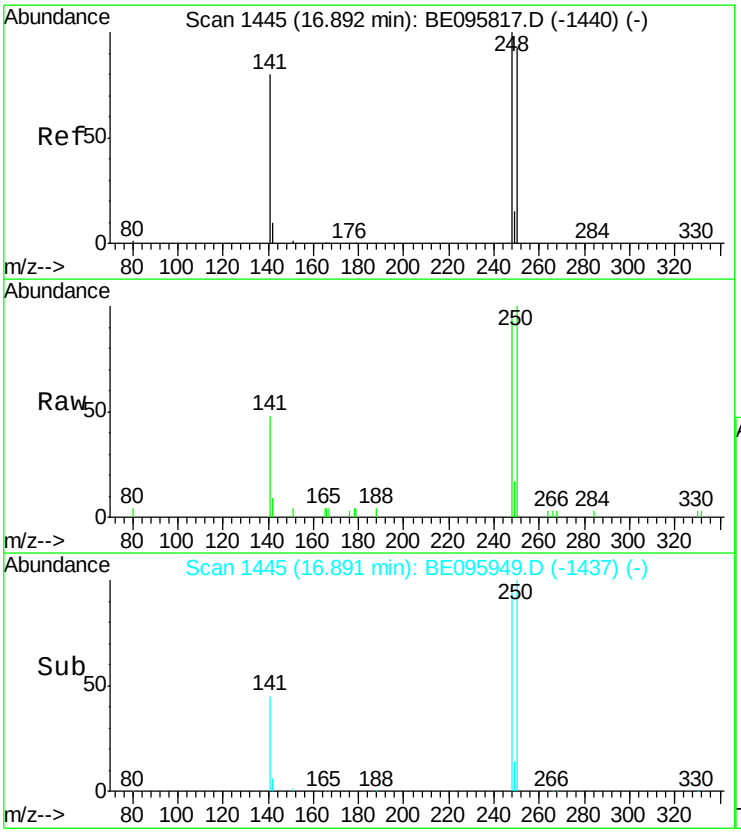
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7998

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.4	3.6	5.4#

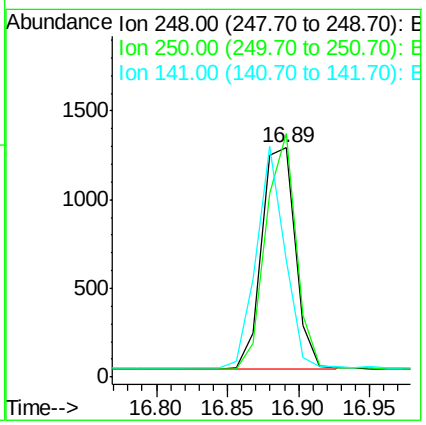


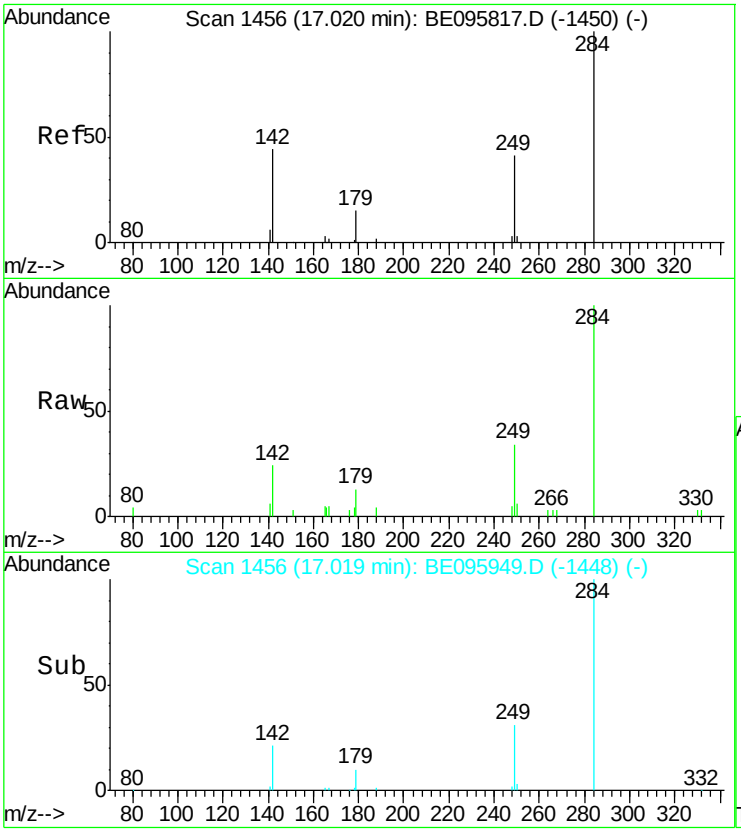


#20
4-Bromophenyl-phenylether
Concen: 0.429 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:248 Resp: 2062

Ion	Ratio	Lower	Upper
248	100		
250	106.2	62.7	94.1#
141	50.8	48.2	72.2



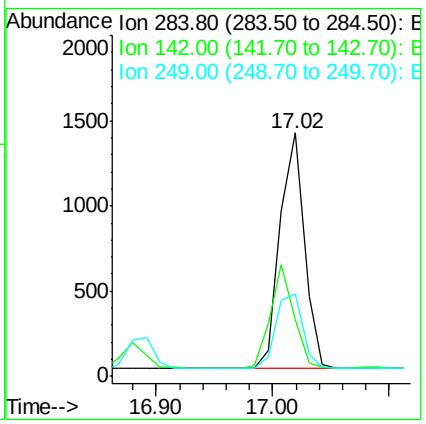


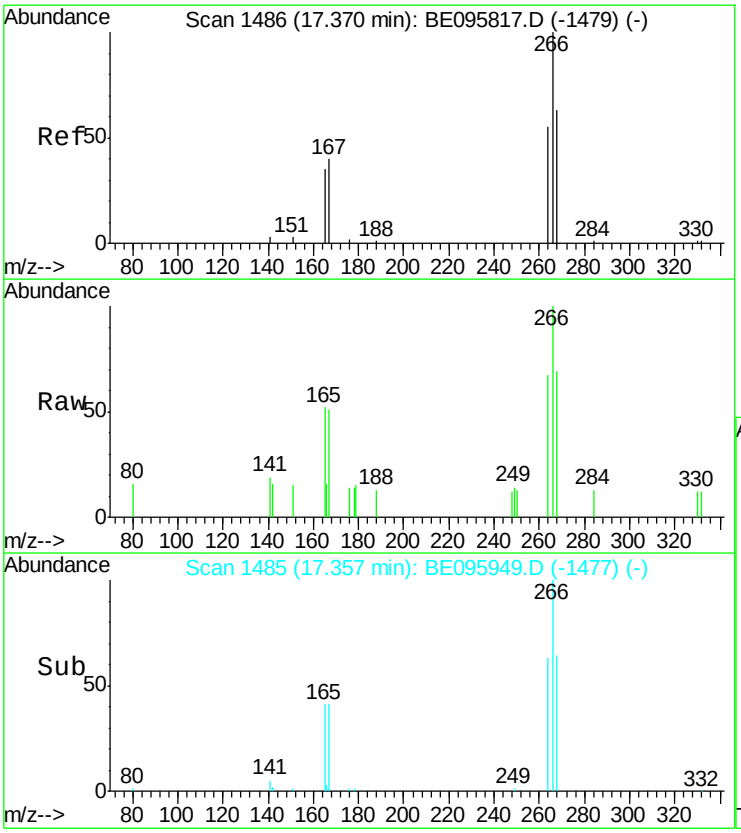
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2017

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

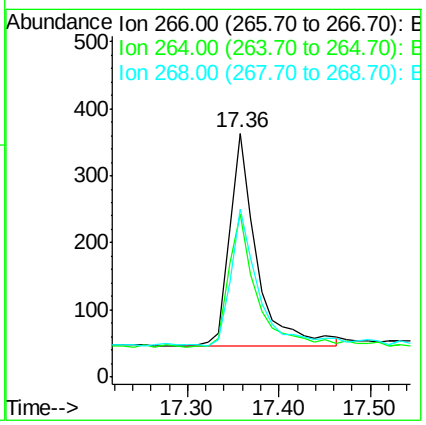


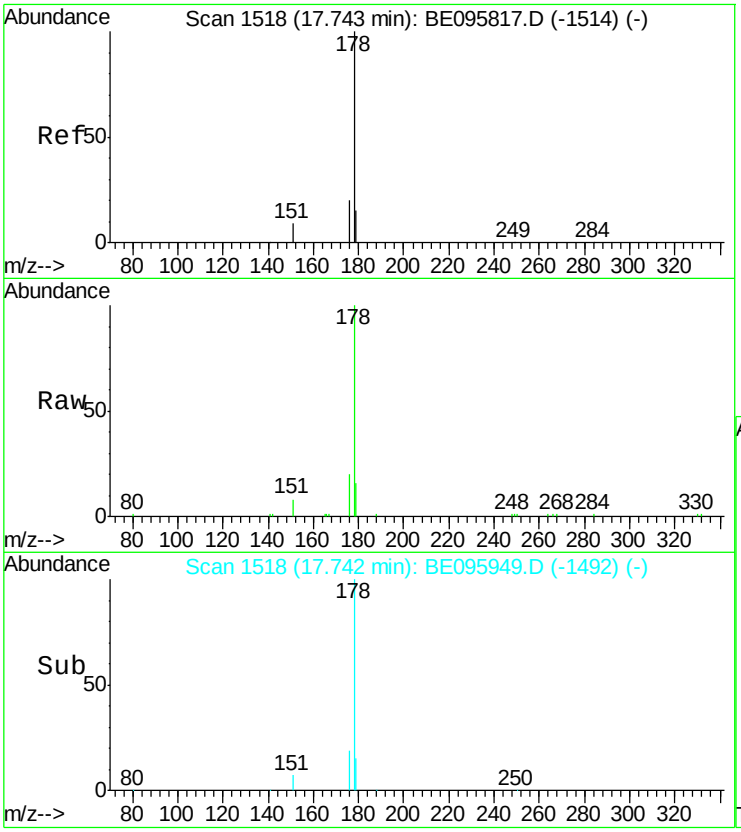


#22
Pentachlorophenol
Concen: 0.494 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:266 Resp: 659

Ion	Ratio	Lower	Upper
266	100		
264	66.9	72.5	108.7#
268	68.9	73.8	110.6#



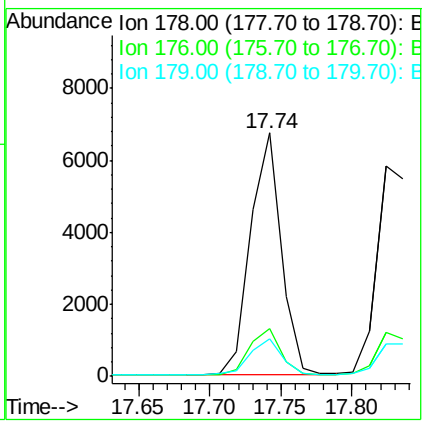


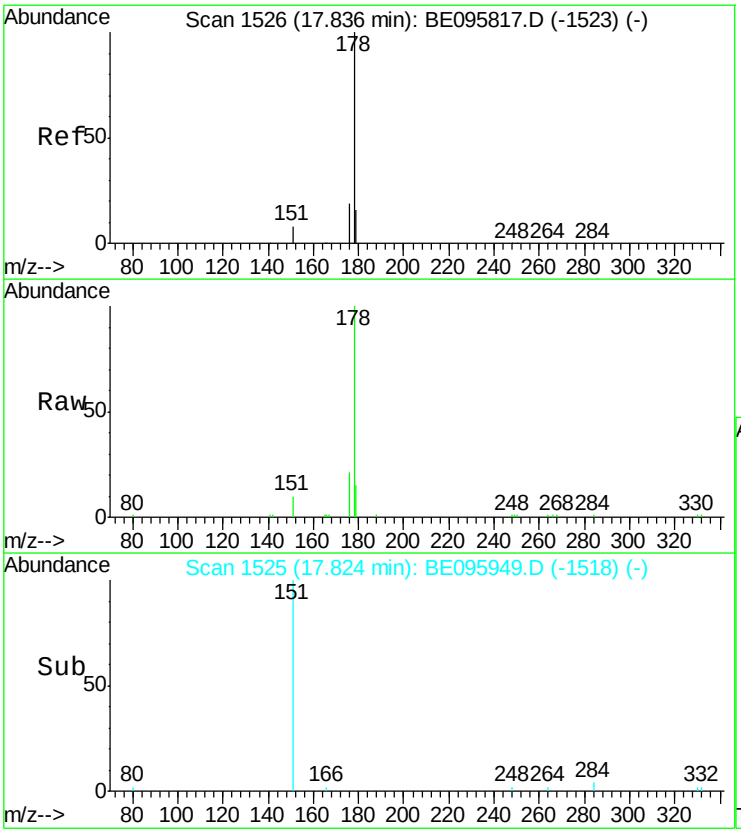
#23
Phenanthrene
Concen: 0.420 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 10066

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	14.8	11.8	17.6

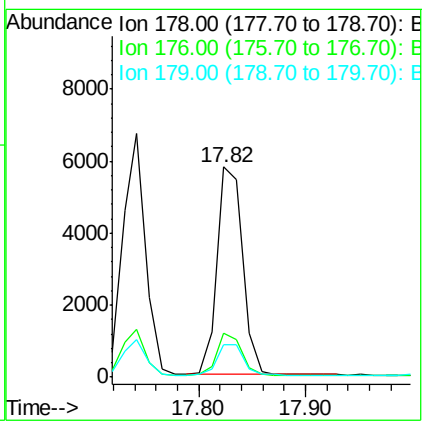


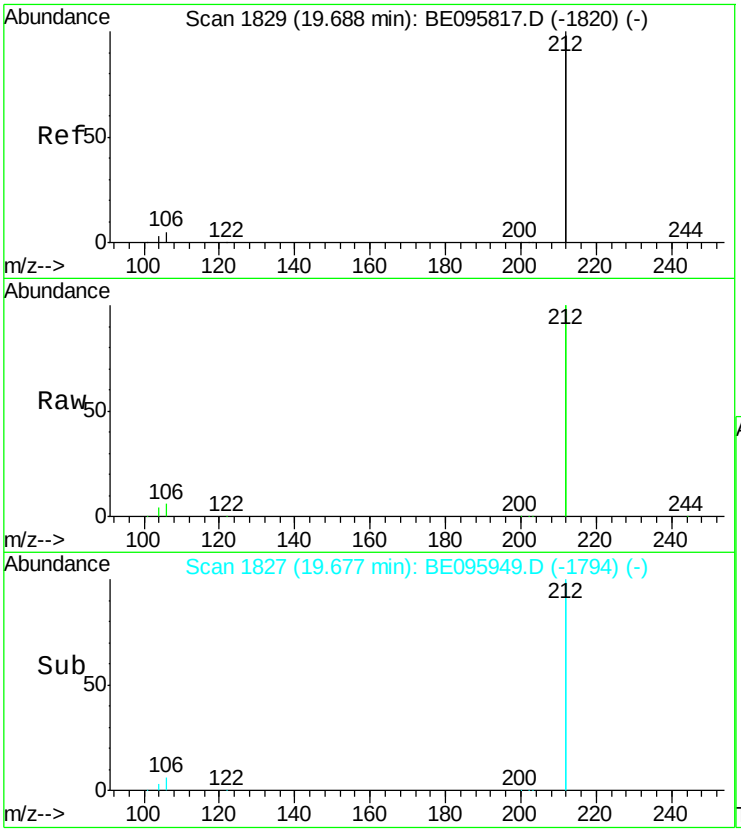


#24
Anthracene
Concen: 0.403 ng
RT: 17.82 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:178 Resp: 9648

Ion	Ratio	Lower	Upper
178	100		
176	19.4	12.8	19.2#
179	15.2	13.0	19.6



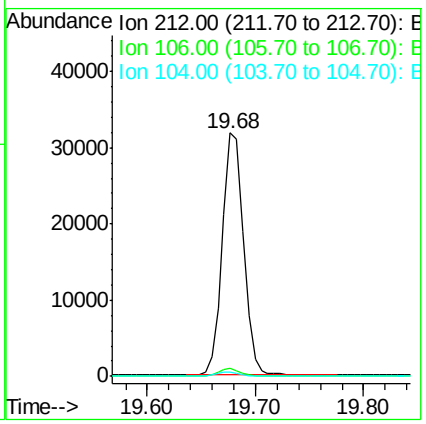


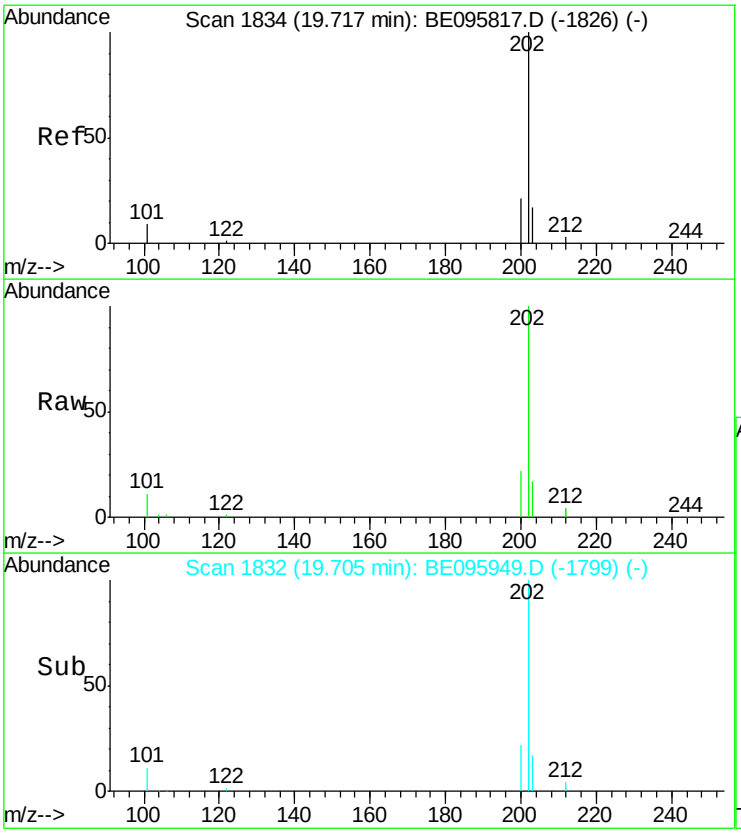
#25
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.68 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 43279

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

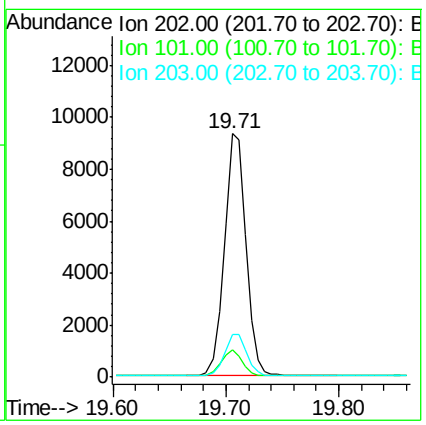


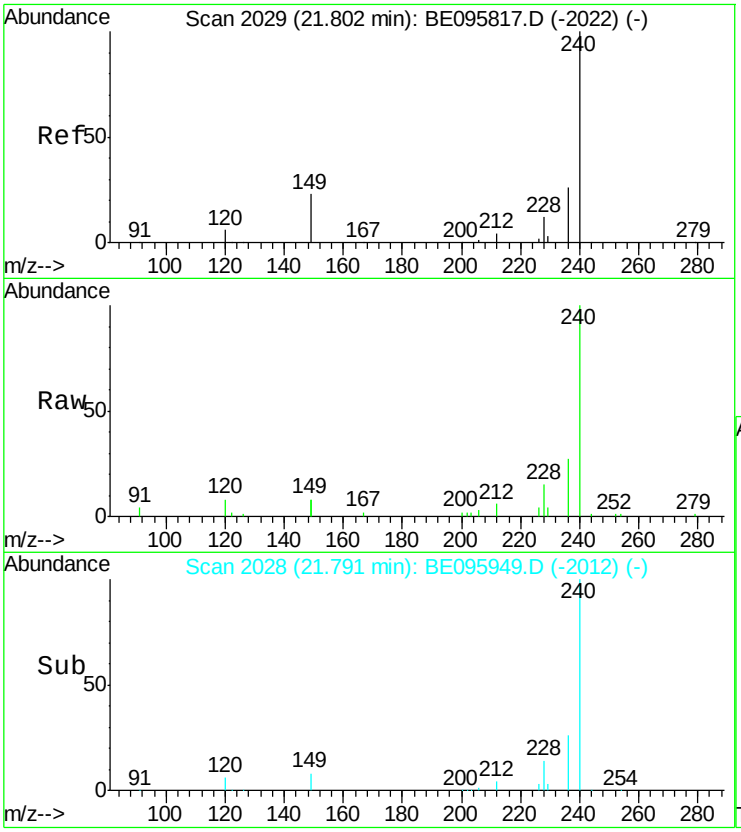


#26
Fluoranthene
Concen: 0.372 ng
RT: 19.71 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:202 Resp: 12366

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.8
203	17.3	13.7	20.5



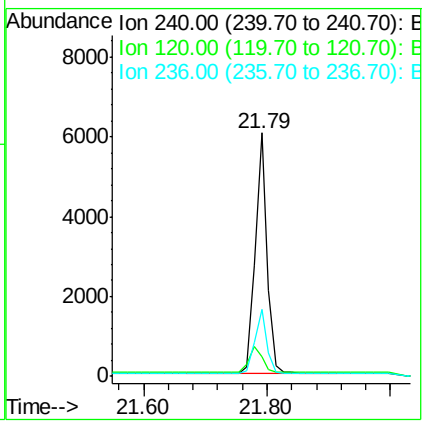


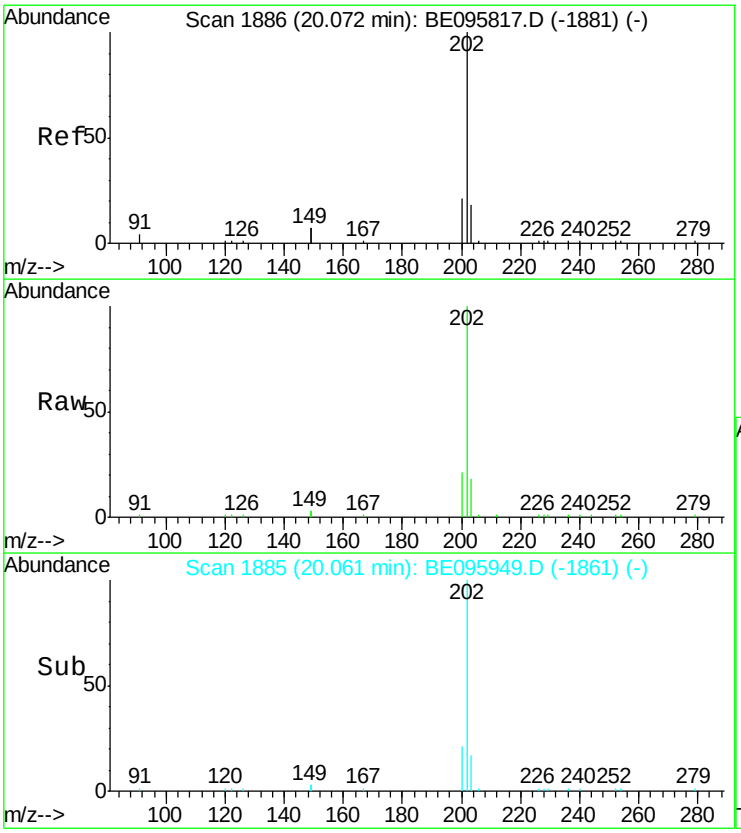
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8268

Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.5	8.3
236	27.4	20.7	31.1

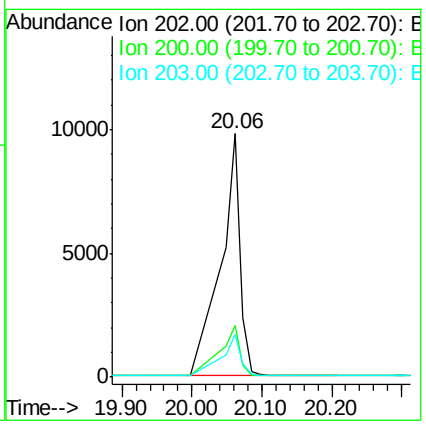


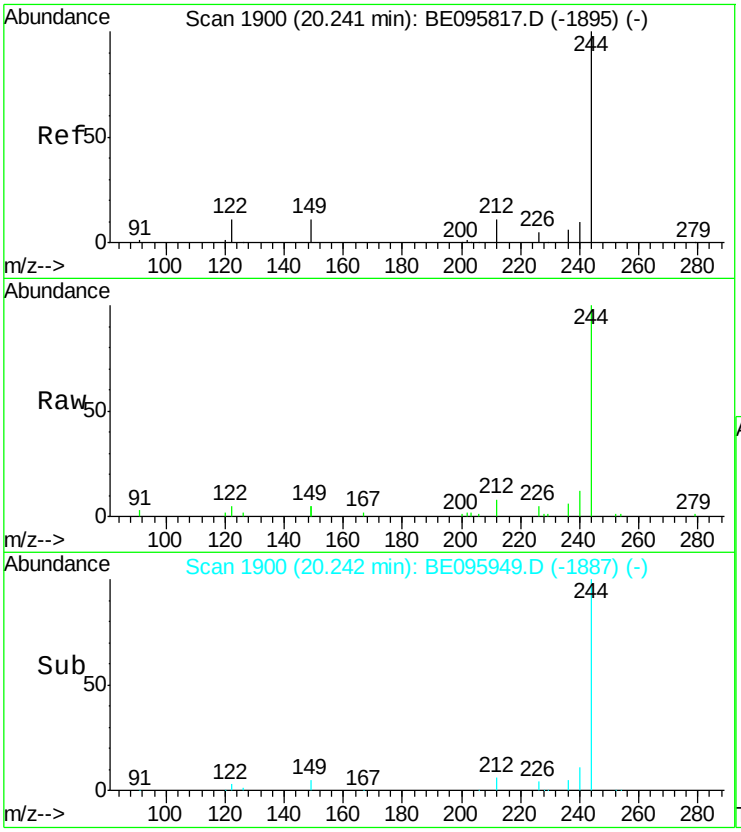


#28
Pyrene
Concen: 0.446 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:202 Resp: 15026

Ion	Ratio	Lower	Upper
202	100		
200	18.2	16.6	25.0
203	16.0	13.8	20.8



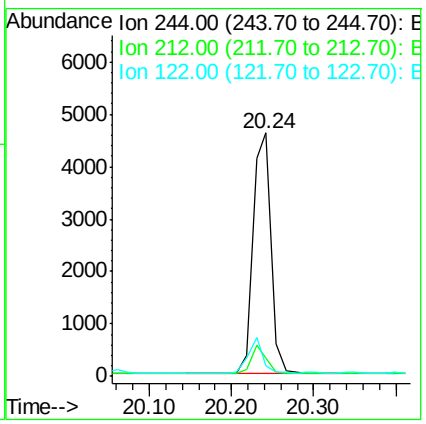


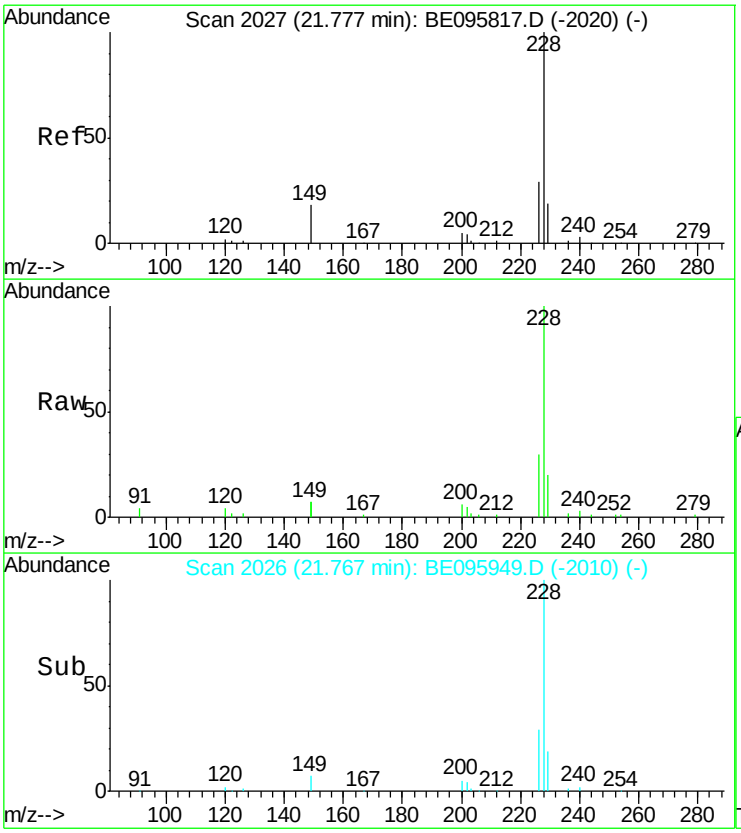
#29
Terphenyl-d14
Concen: 0.402 ng
RT: 20.24 min Scan# 1900
Delta R.T. 0.00 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7067

Ion	Ratio	Lower	Upper
244	100		
212	7.5	25.4	38.0#
122	4.5	8.1	12.1#

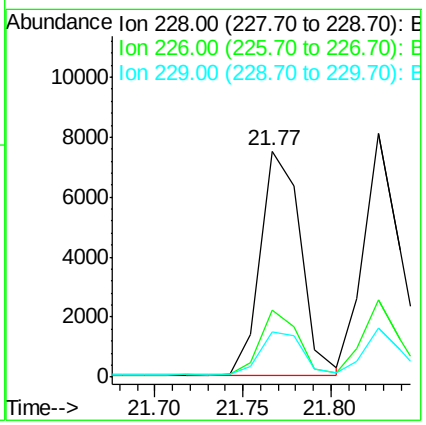


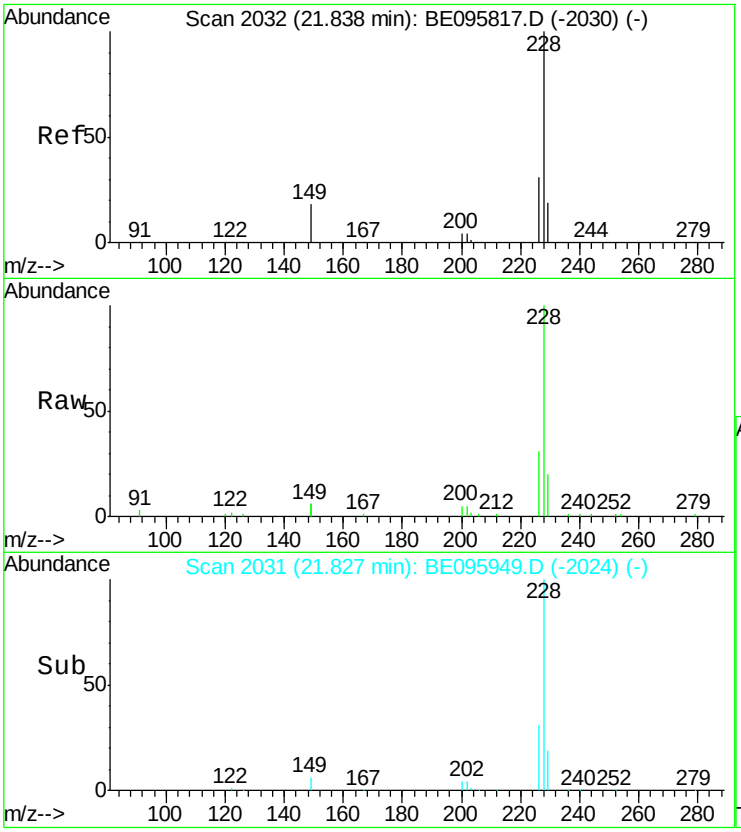


#30
Benzo(a)anthracene
Concen: 0.412 ng
RT: 21.77 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:228 Resp: 11810

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.9	16.0	24.0



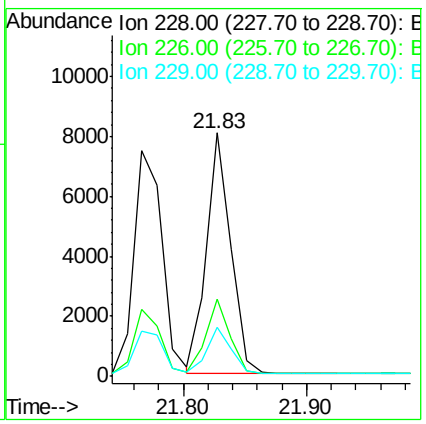


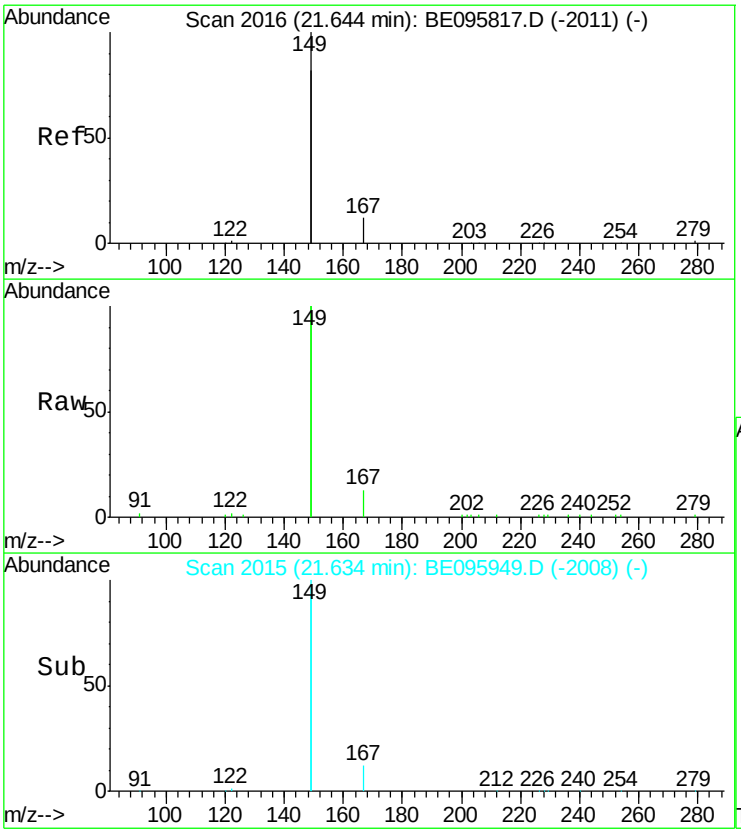
#31
Chrysene
Concen: 0.424 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11084

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.0	36.0
229	20.3	16.0	24.0

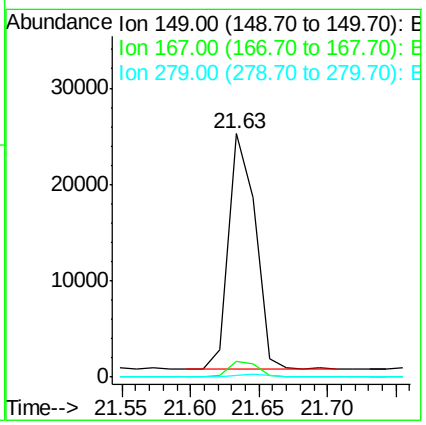


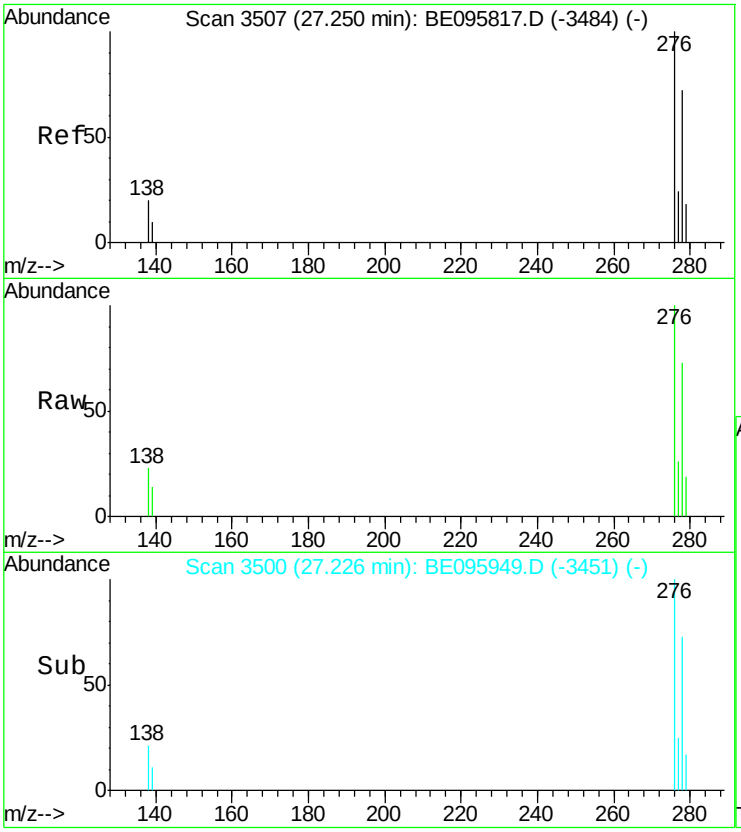


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.375 ng
RT: 21.63 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:149 Resp: 32898

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.8	0.7	1.1



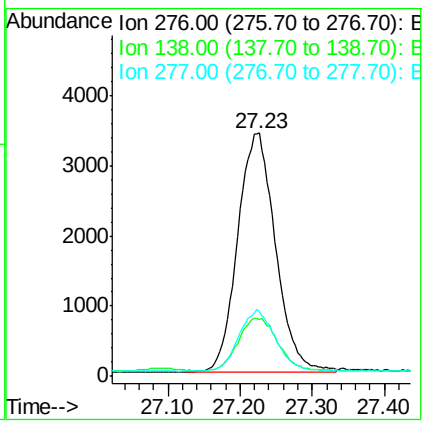


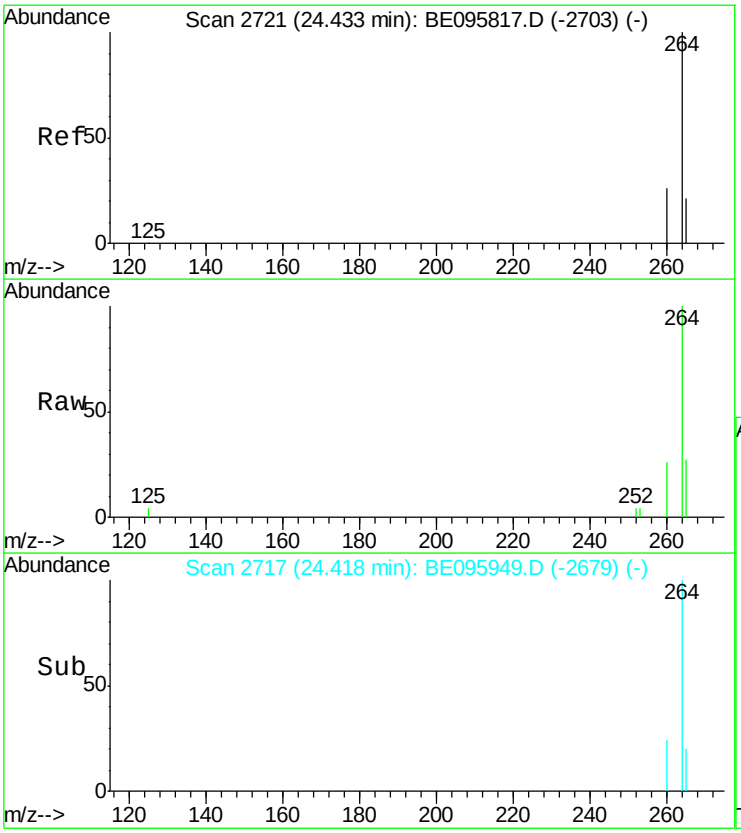
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.430 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12112

Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.5	33.7
277	24.8	19.9	29.9

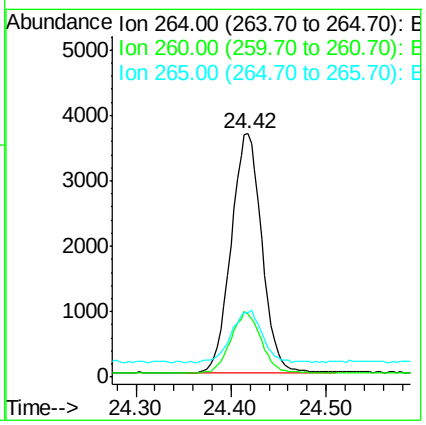


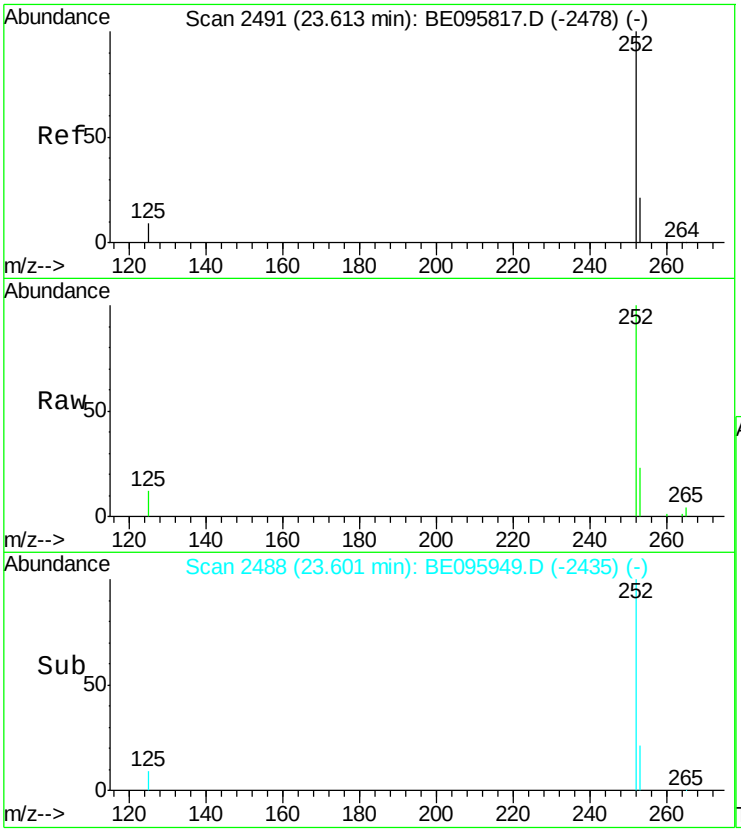


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:264 Resp: 8166

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	26.6	22.8	34.2



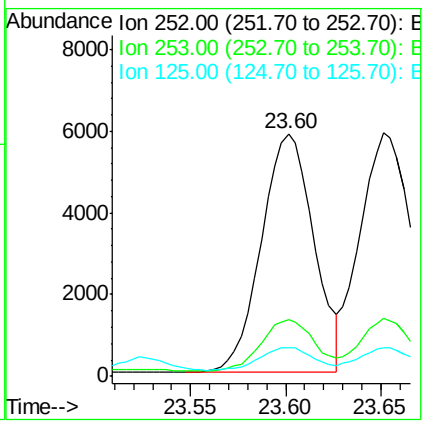


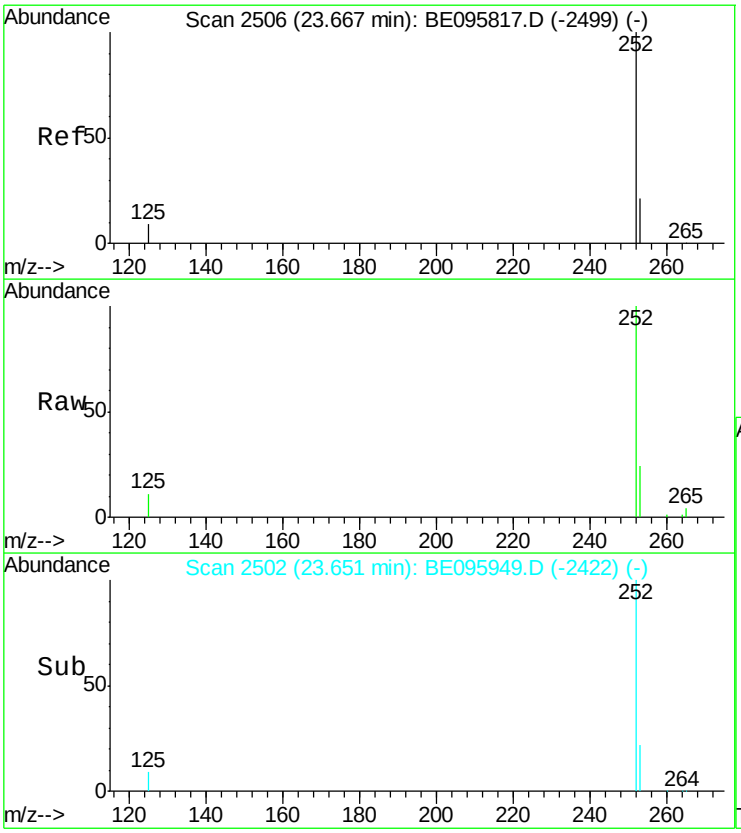
#35
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 23.60 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11236

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.0	30.0
125	11.6	16.0	24.0#

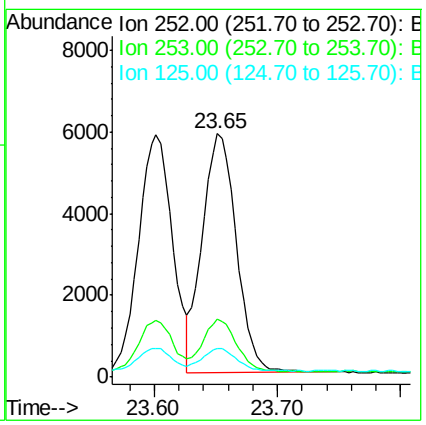


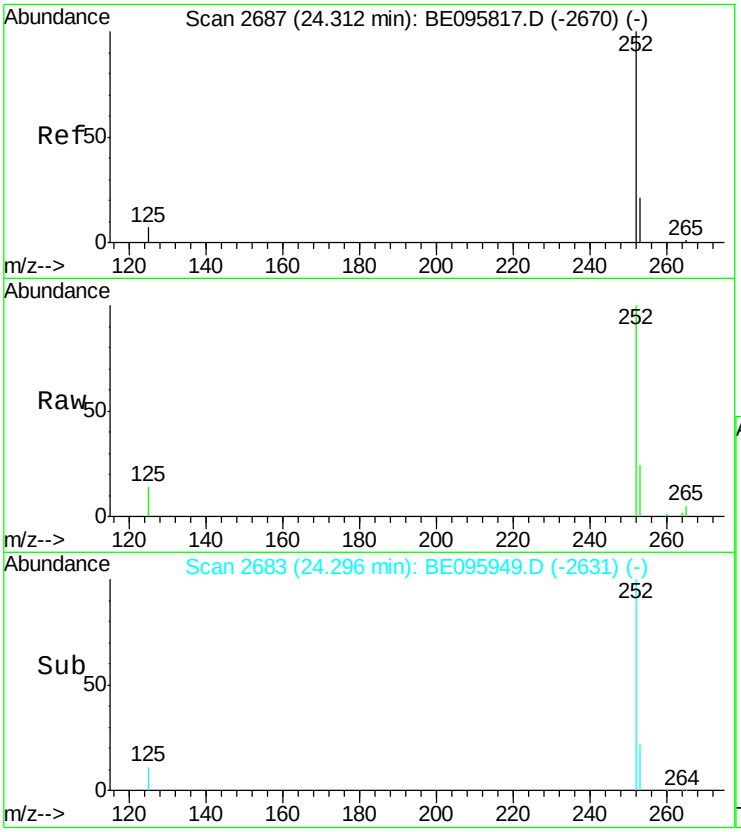


#36
Benzo(k)fluoranthene
Concen: 0.417 ng
RT: 23.65 min Scan# 2502
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:252 Resp: 11280

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	11.5	8.0	12.0



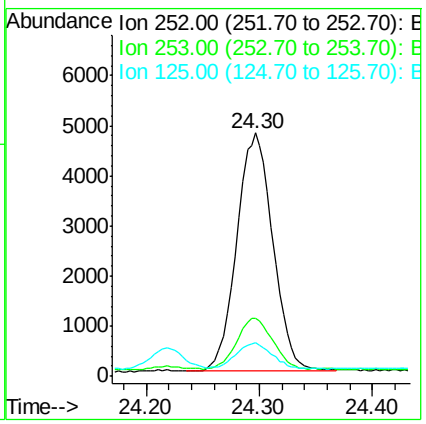


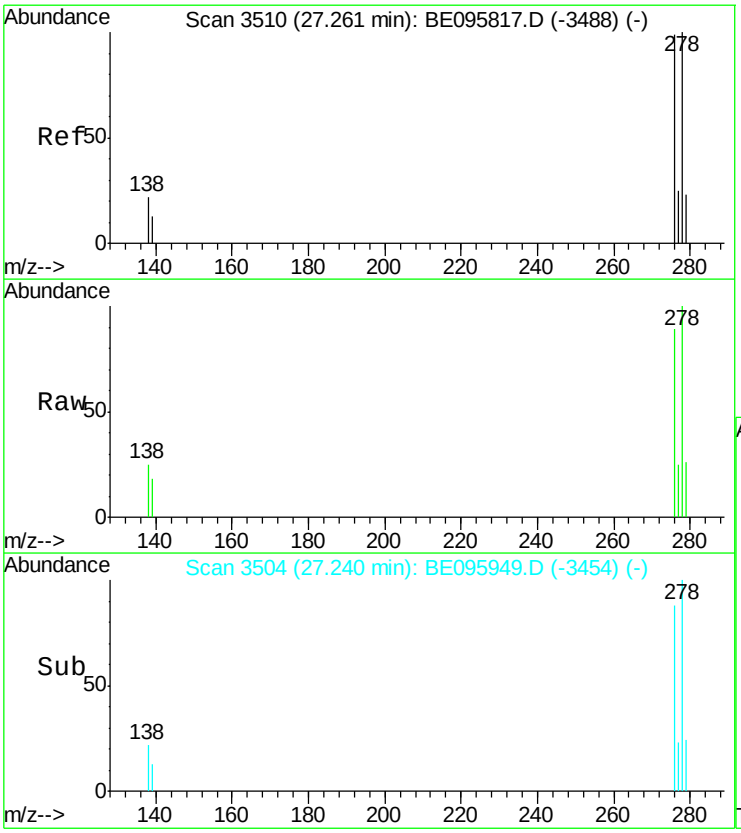
#37
Benzo(a)pyrene
Concen: 0.417 ng
RT: 24.30 min Scan# 2683
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10556

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	13.9	12.0	18.0

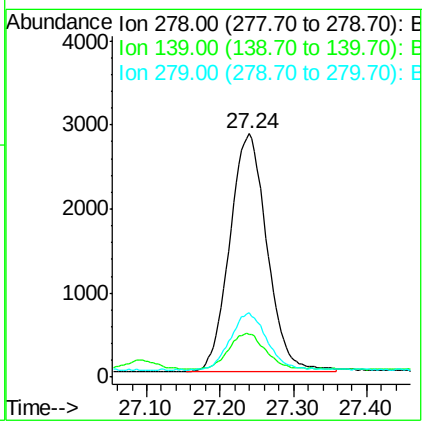


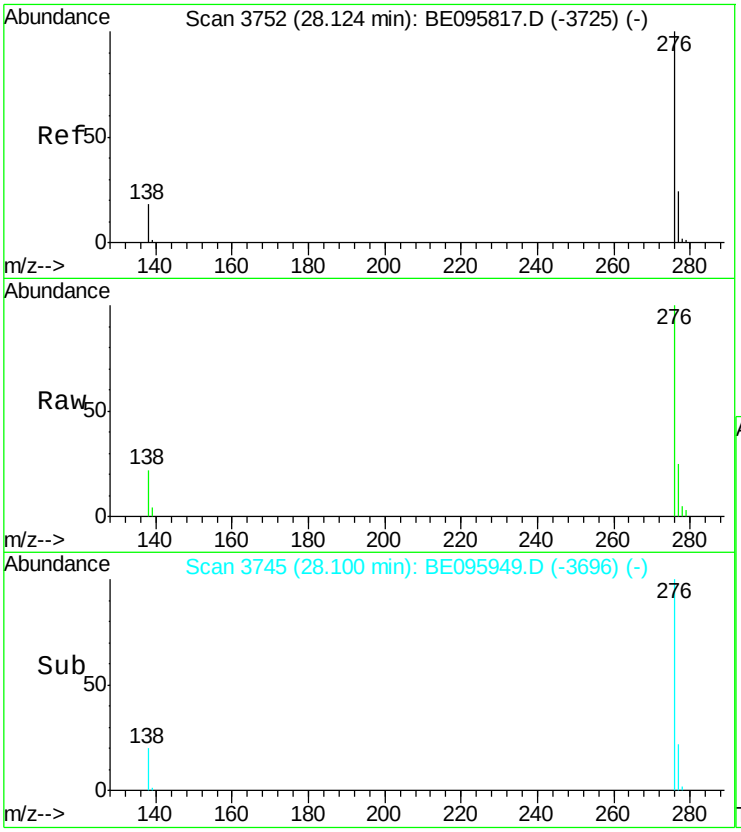


#38
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BE095949.D
Acq: 5 Apr 2018 8:53

Tgt Ion:278 Resp: 10023

Ion	Ratio	Lower	Upper
278	100		
139	17.5	16.0	24.0
279	26.2	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: BE095949.D
Acq: 5 Apr 2018 8:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10067

Ion	Ratio	Lower	Upper
276	100		
277	24.7	16.0	24.0#
138	22.3	20.0	30.0