Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061719\
Data File : BE100059.D
Acq On : 17 Jun 2019 8:38
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 17 13:08:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 13:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	636	0.40	ng		0.01
7) Naphthalene-d8	10.60	136	2552	0.40	ng		0.01
13) Acenaphthene-d10	14.47	164	1989	0.40	ng		0.01
19) Phenanthrene-d10	17.21	188	6338	0.40	ng		0.01
27) Chrysene-d12	21.40	240	7732	0.40	ng		0.01
34) Perylene-d12	23.93	264	8264	0.40	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	652	0.38	ng		0.01
5) Phenol-d6	6.98	99	842	0.38	ng		0.01
8) Nitrobenzene-d5	8.98	82	916	0.38	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	1882	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	345	0.23	ng		0.01
15) 2-Fluorobiphenyl	13.10	172	3078	0.41	ng		0.01
25) Fluoranthene-d10	19.25	212	33007	0.36	ng		0.00
29) Terphenyl-d14	19.85	244	6074	0.44	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	377	0.401	ng	#	91
3) n-Nitrosodimethylamine	3.65	42	72	0.133	ng	#	100
6) bis(2-Chloroethyl)ether	7.23	93	749	0.415	ng		87
9) Naphthalene	10.65	128	11257	0.409	ng		100
10) Hexachlorobutadiene	10.91	225	924	0.440	ng		99
12) 2-Methylnaphthalene	12.28	142	1830	0.409	ng		97
16) Acenaphthylene	14.18	152	4013	0.406	ng		99
17) Acenaphthene	14.53	154	2128	0.395	ng		98
18) Fluorene	15.51	166	3259	0.403	ng		98
20) 4-Bromophenyl-phenylether	16.41	248	1439	0.401	ng		91
21) Hexachlorobenzene	16.52	284	1474	0.402	ng		99
22) Pentachlorophenol	16.93	266	165	0.144	ng		95
23) Phenanthrene	17.25	178	6013	0.391	ng		100
24) Anthracene	17.35	178	5062	0.359	ng		98
26) Fluoranthene	19.28	202	9408	0.360	ng		99
28) Pyrene	19.64	202	9623	0.474	ng		100
30) Benzo(a)anthracene	21.39	228	9311	0.403	ng		100
31) Chrysene	21.44	228	10810	0.452	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	10299	0.311	ng		100
33) Indeno(1,2,3-cd)pyrene	26.63	276	9049	0.319	ng	#	93
35) Benzo(b)fluoranthene	23.15	252	8914	0.385	ng		99
36) Benzo(k)fluoranthene	23.20	252	11879	0.490	ng		99
37) Benzo(a)pyrene	23.82	252	9557	0.419	ng		98
38) Dibenzo(a,h)anthracene	26.66	278	6873	0.299	ng		97
39) Benzo(g,h,i)perylene	27.45	276	8358	0.352	ng		98

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

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Misc :
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Instrument :
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ClientSampleId :
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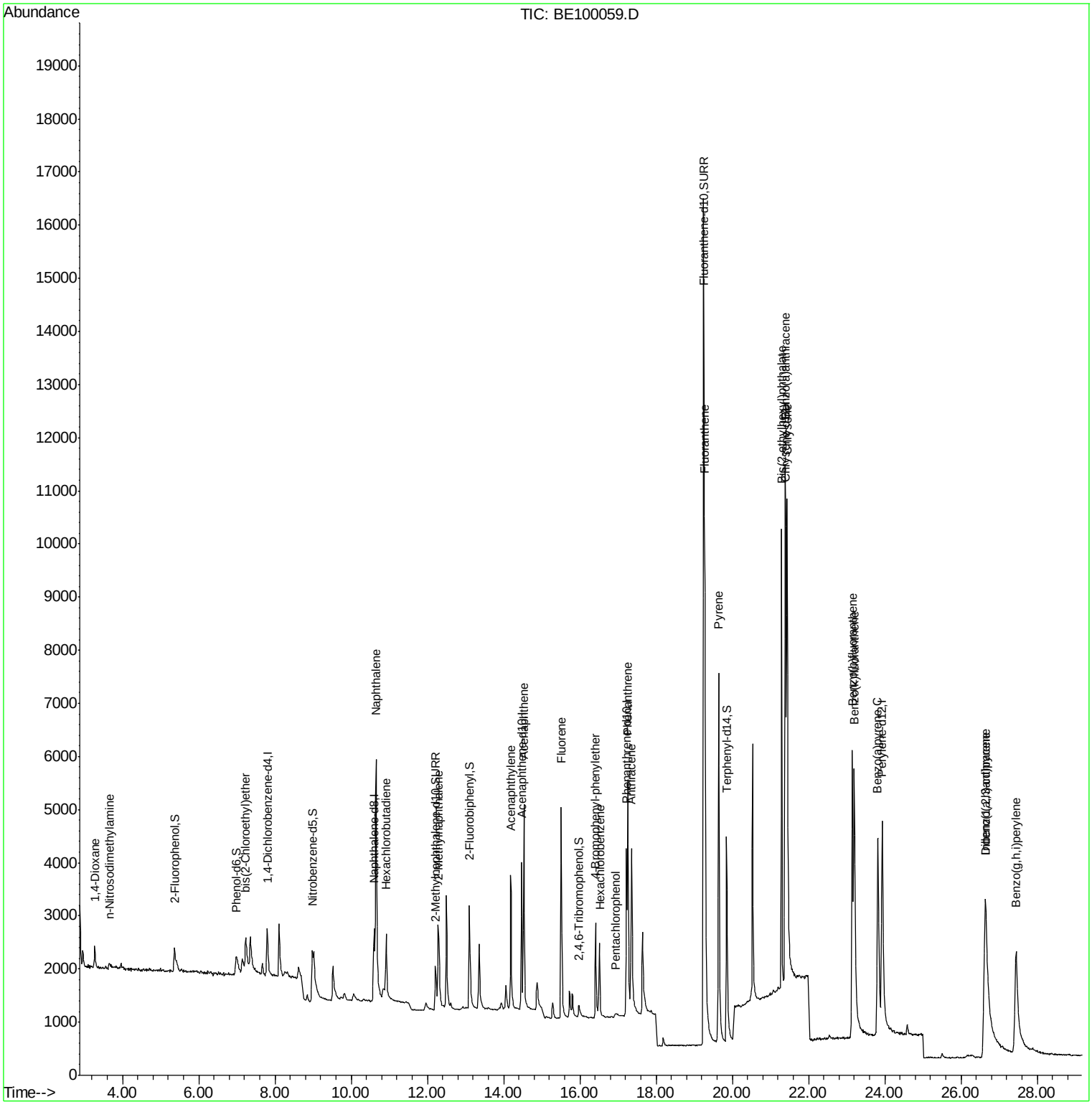
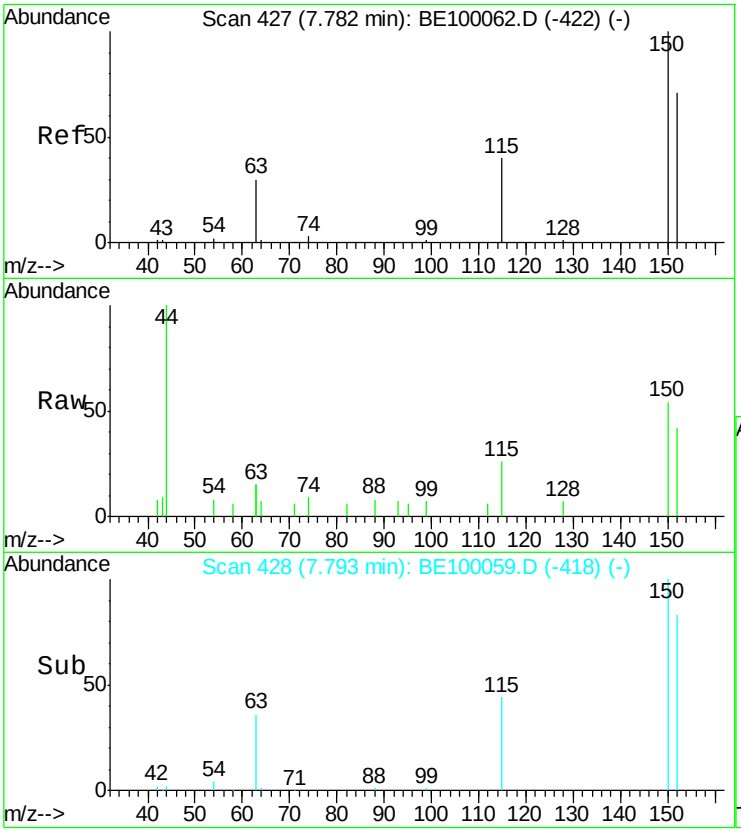
Quant Time: Jun 17 13:08:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 13:03:28 2019
Response via : Initial Calibration



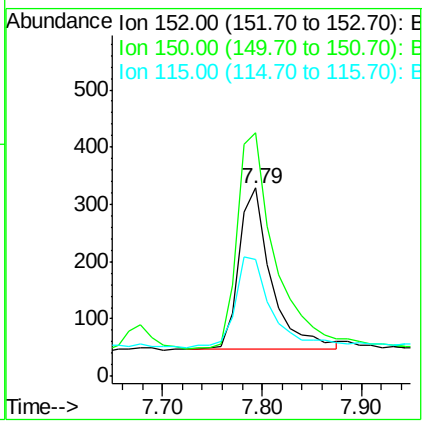


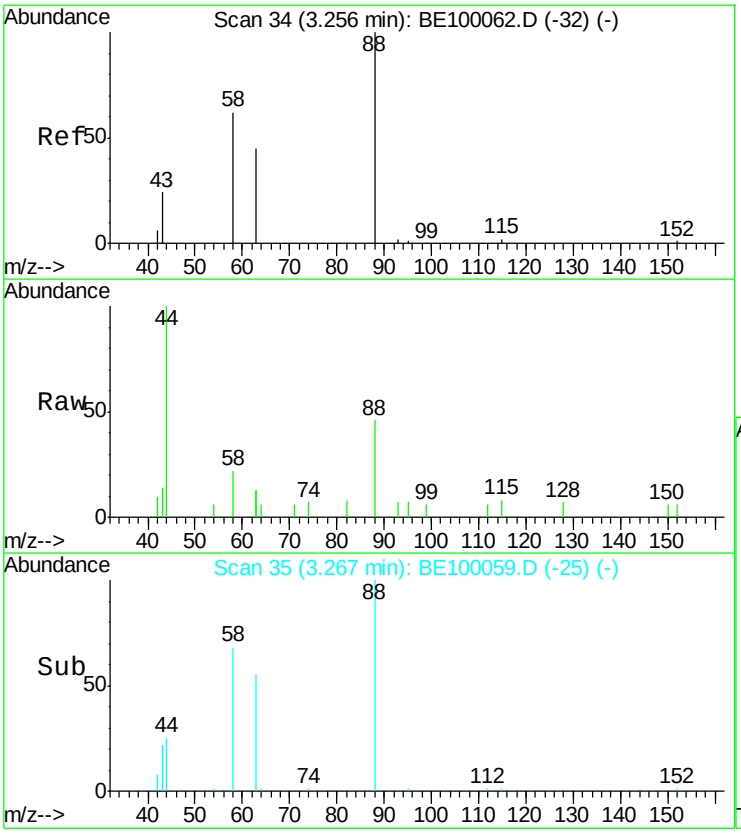
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 636

Ion	Ratio	Lower	Upper
152	100		
150	129.2	109.5	164.3
115	61.7	52.6	78.8

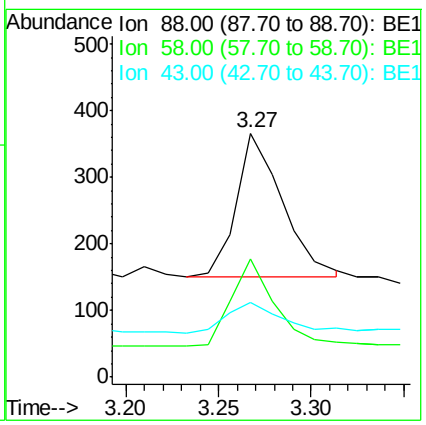


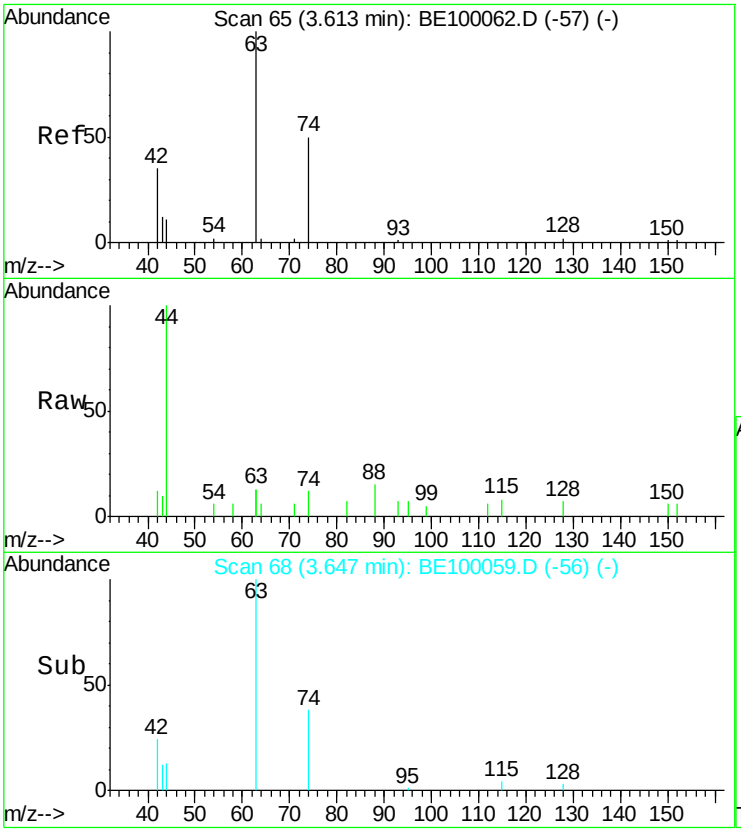


#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.27 min Scan# 35
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion: 88 Resp: 377

Ion	Ratio	Lower	Upper
88	100		
58	58.1	41.9	62.9
43	24.4	15.8	23.8#



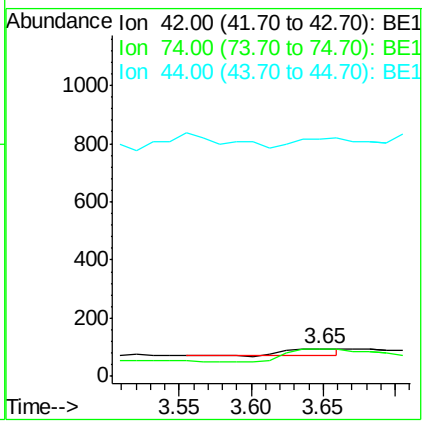


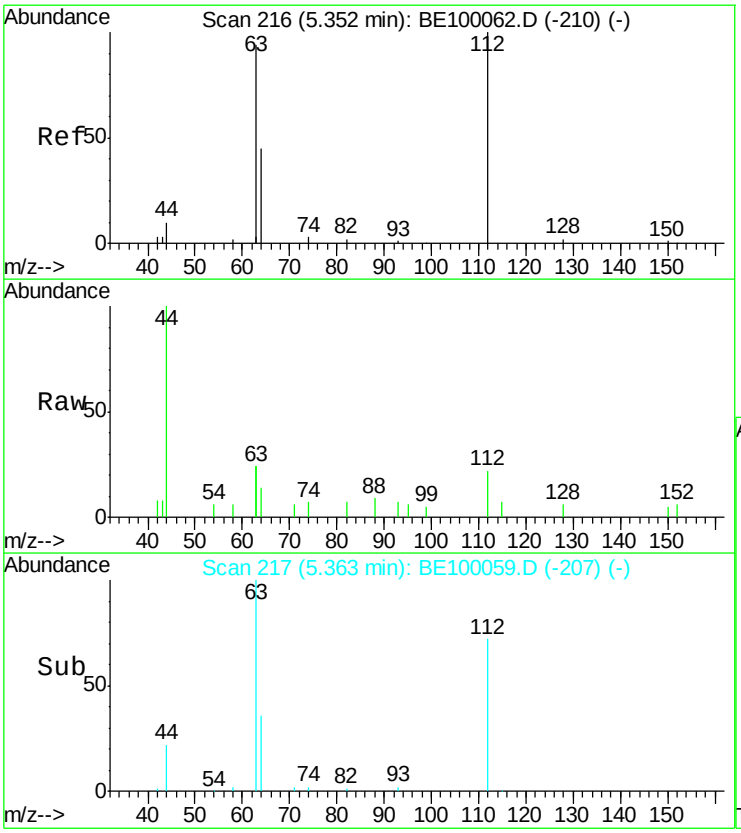
#3
n-Nitrosodimethylamine
Concen: 0.133 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.03 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 72

Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	127.8	0.0	0.0#

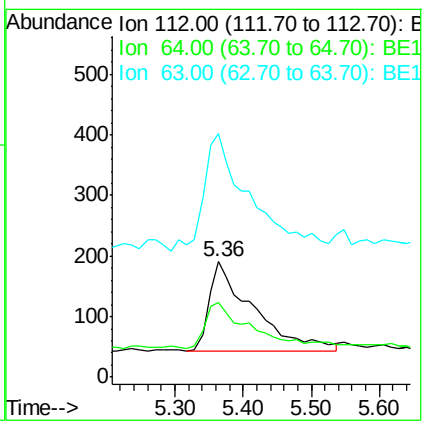


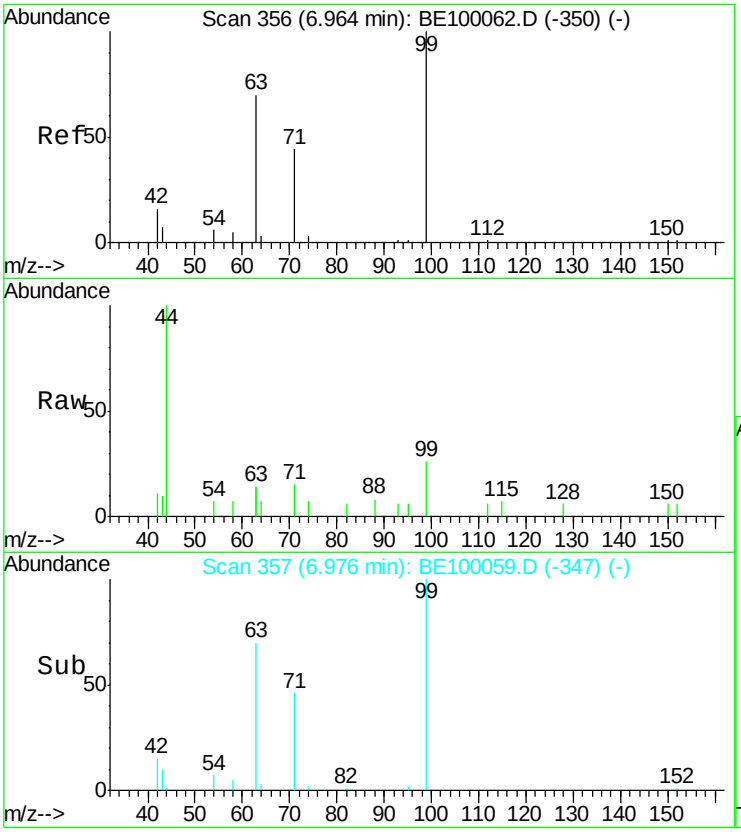


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:112 Resp: 652

Ion	Ratio	Lower	Upper
112	100		
64	51.2	39.6	59.4
63	141.1	113.0	169.4



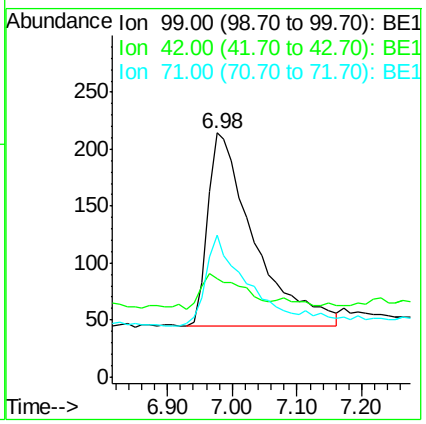


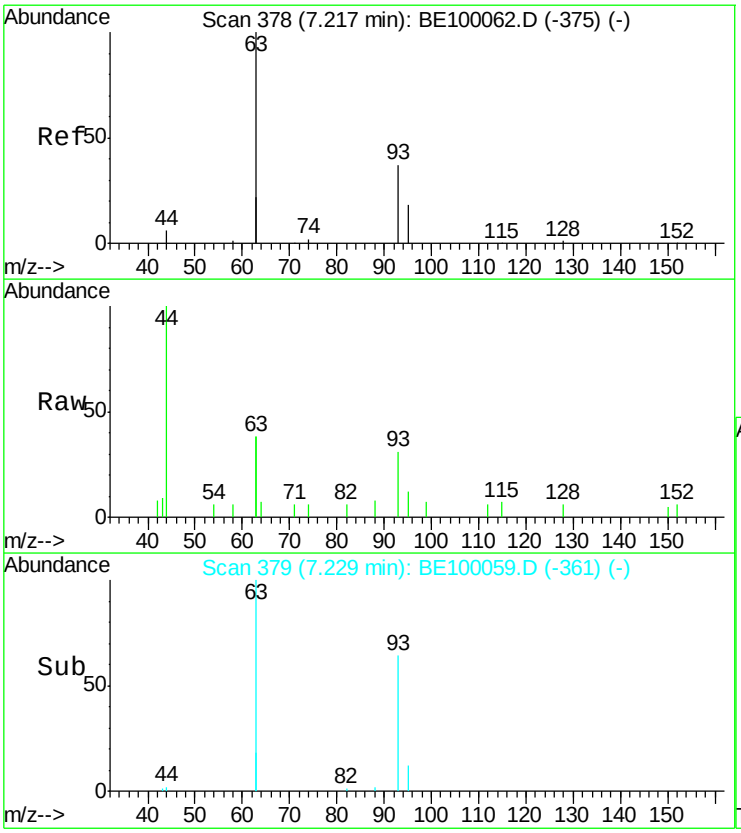
#5
Phenol-d6
Concen: 0.381 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 842

Ion	Ratio	Lower	Upper
99	100		
42	14.7	11.4	17.2
71	41.2	32.8	49.2

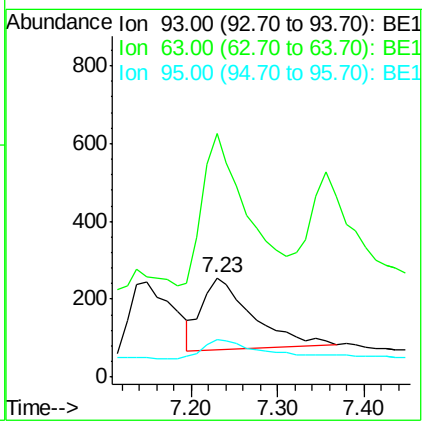


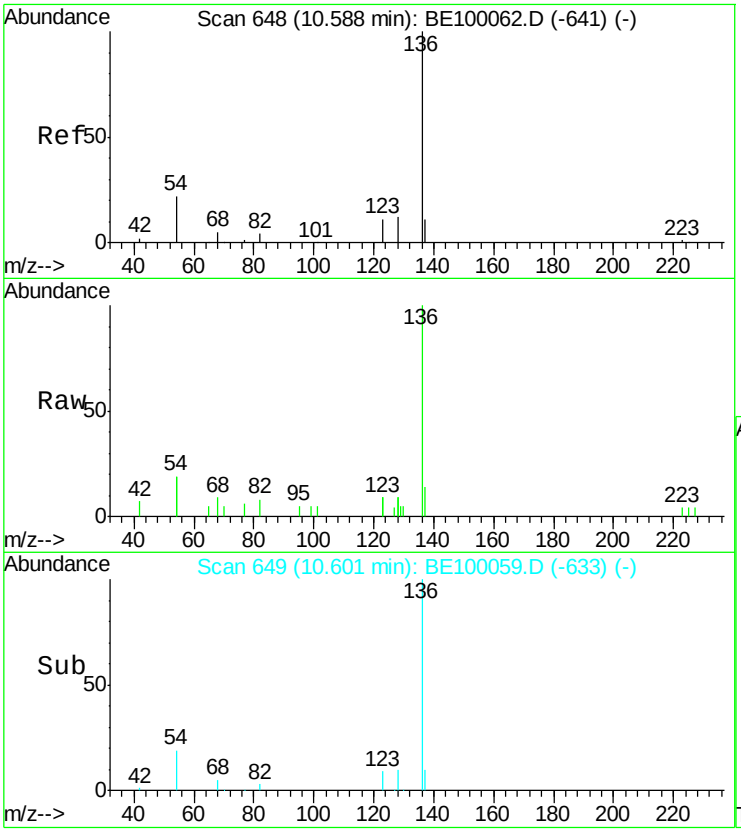


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion: 93 Resp: 749

Ion	Ratio	Lower	Upper
93	100		
63	184.9	165.0	247.6
95	30.0	26.5	39.7



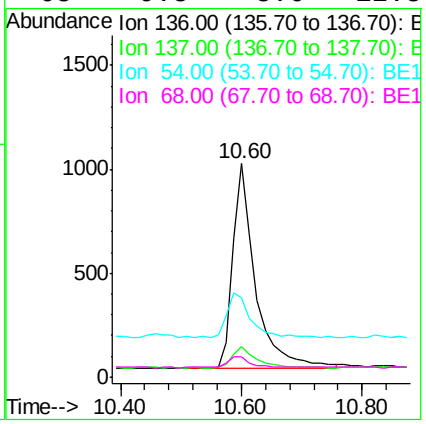


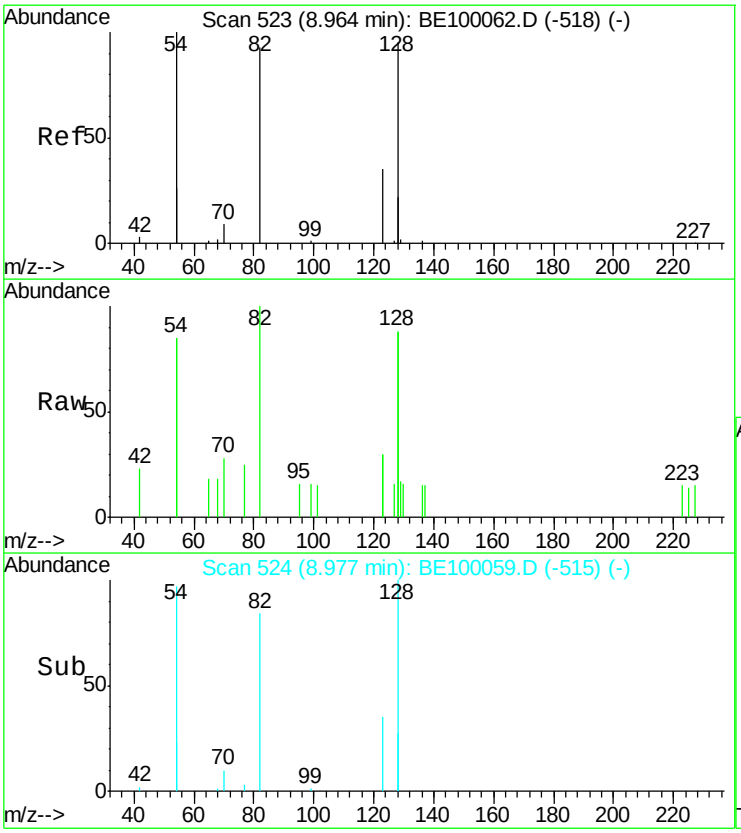
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 2552

Ion	Ratio	Lower	Upper
136	100		
137	14.4	12.6	19.0
54	37.2	33.0	49.6
68	9.3	8.6	12.8

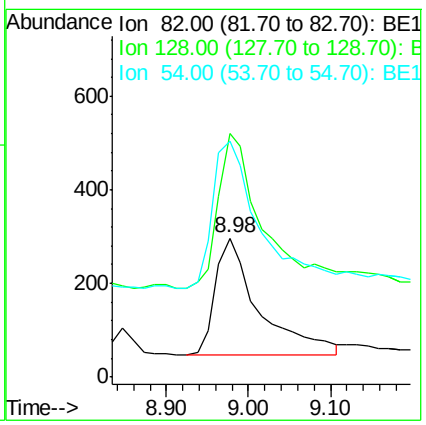


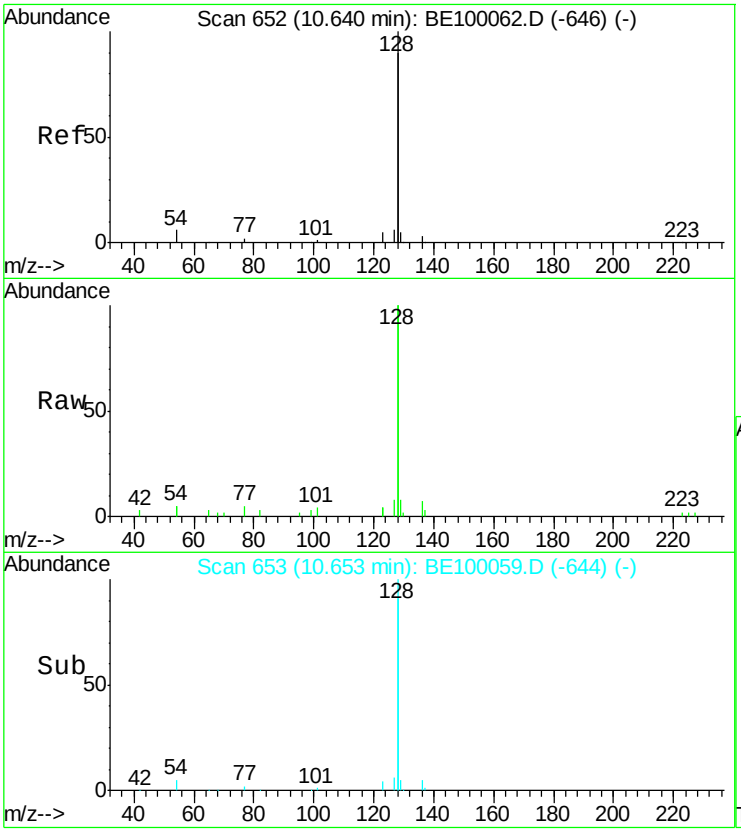


#8
Nitrobenzene-d5
Concen: 0.379 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion: 82 Resp: 916

Ion	Ratio	Lower	Upper
82	100		
128	175.1	134.6	201.8
54	169.7	141.6	212.4



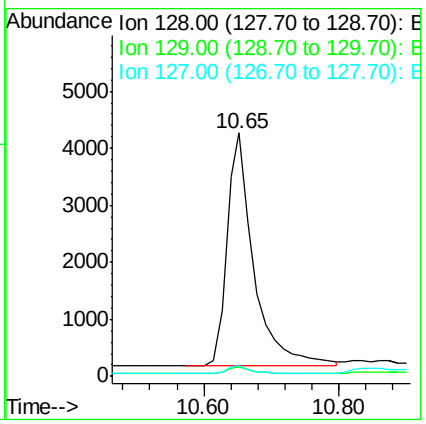


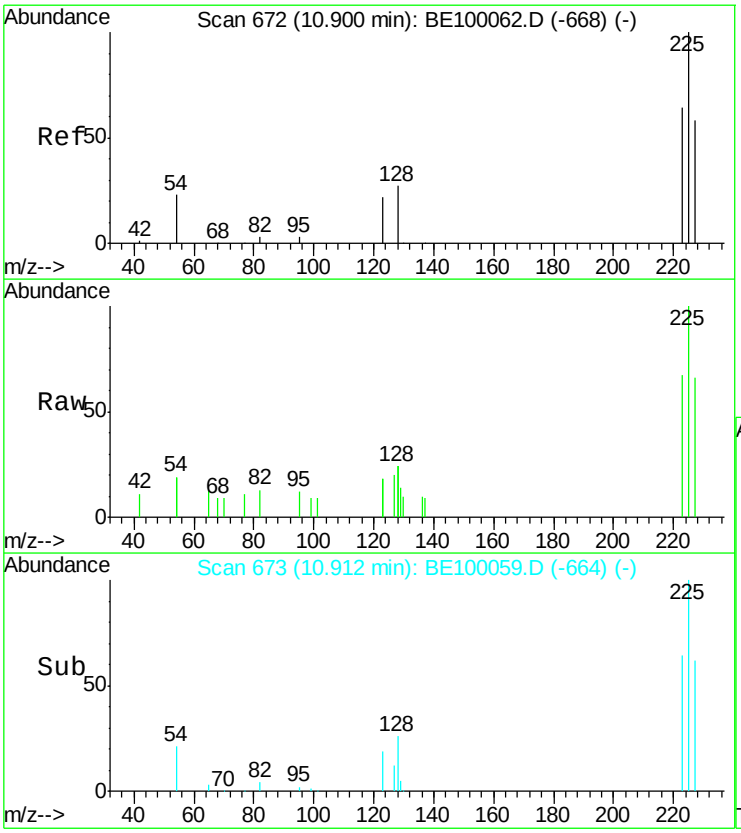
#9
Naphthalene
Concen: 0.409 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 11257

Ion	Ratio	Lower	Upper
128	100		
129	3.8	3.0	4.4
127	4.2	3.4	5.0

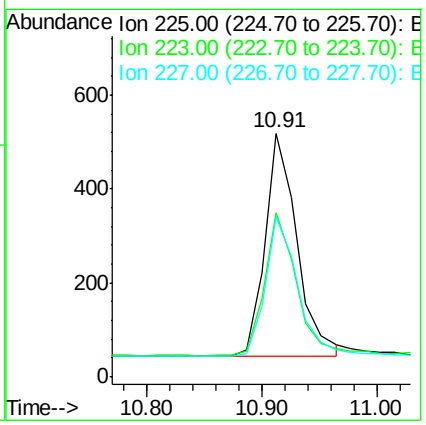


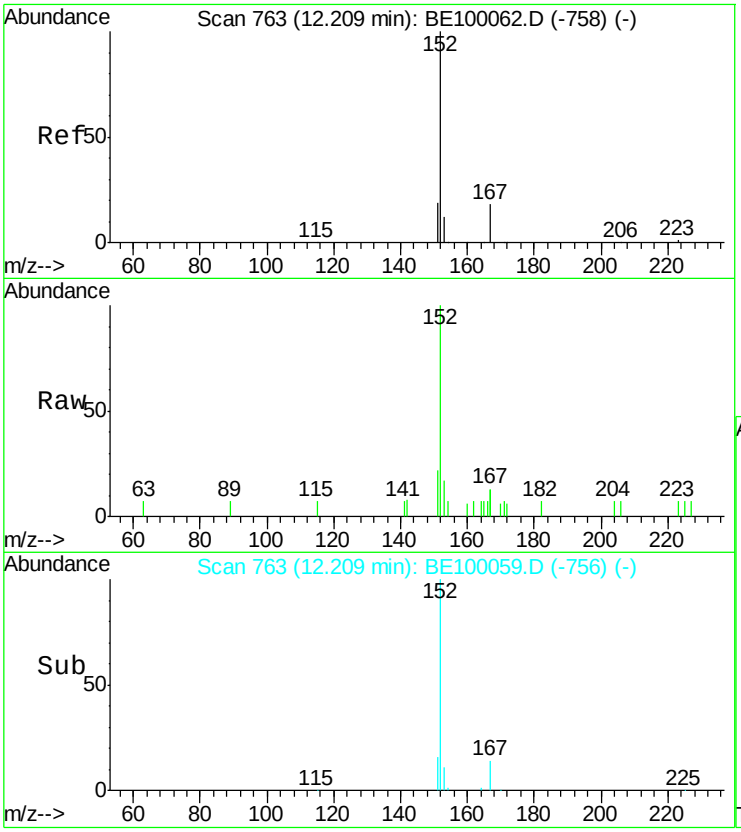


#10
Hexachlorobutadiene
Concen: 0.440 ng
RT: 10.91 min Scan# 673
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:225 Resp: 924

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.1	76.7
227	63.0	51.9	77.9



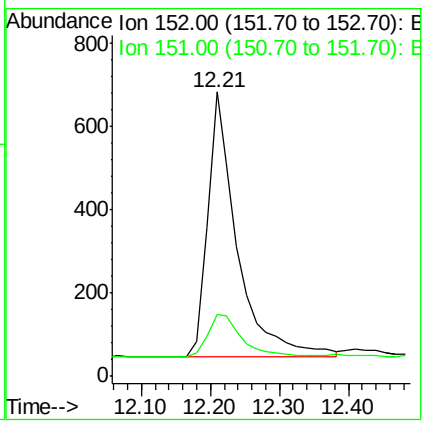


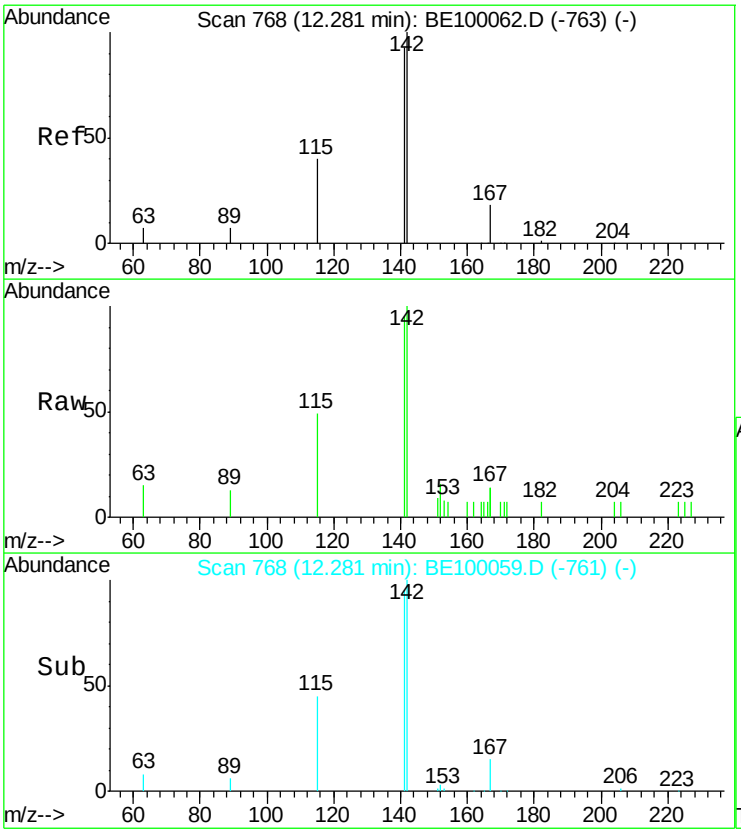
#11
2-Methylnaphthalene-d10
Concen: 0.423 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1882

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

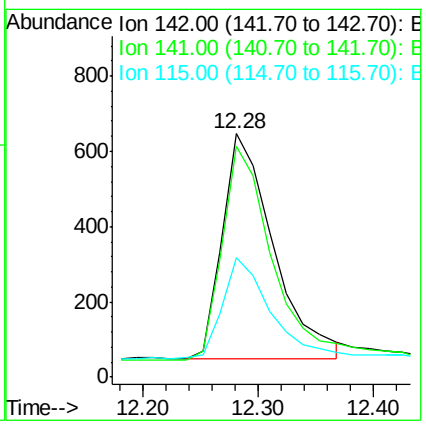


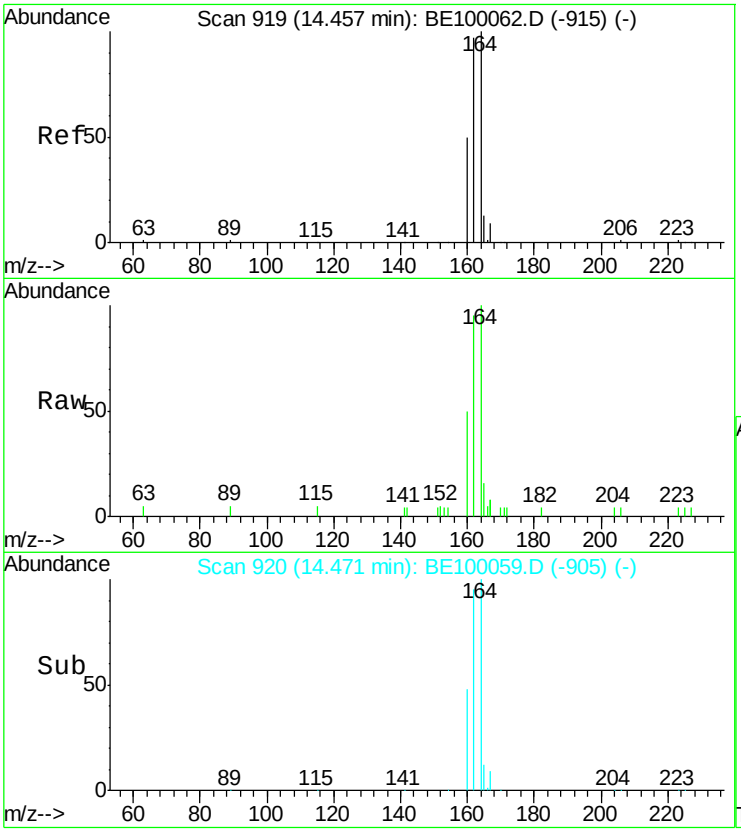


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:142 Resp: 1830

Ion	Ratio	Lower	Upper
142	100		
141	94.6	74.2	111.4
115	49.3	36.5	54.7



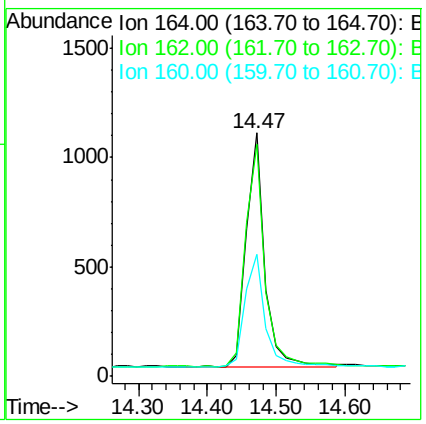


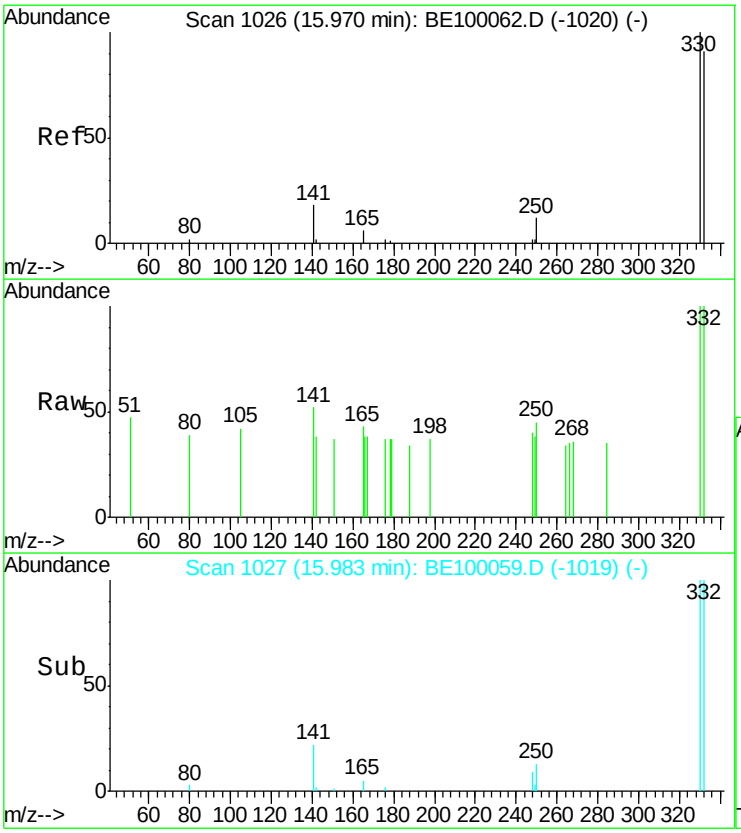
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1989

Ion	Ratio	Lower	Upper
164	100		
162	95.1	77.6	116.4
160	50.0	41.7	62.5

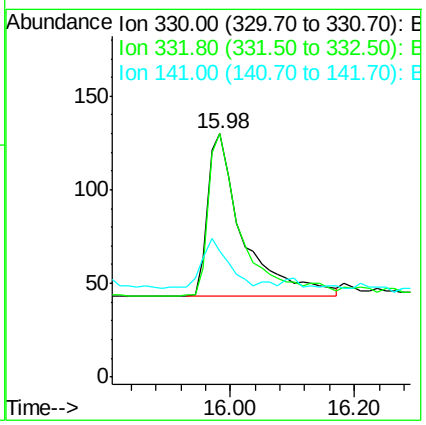


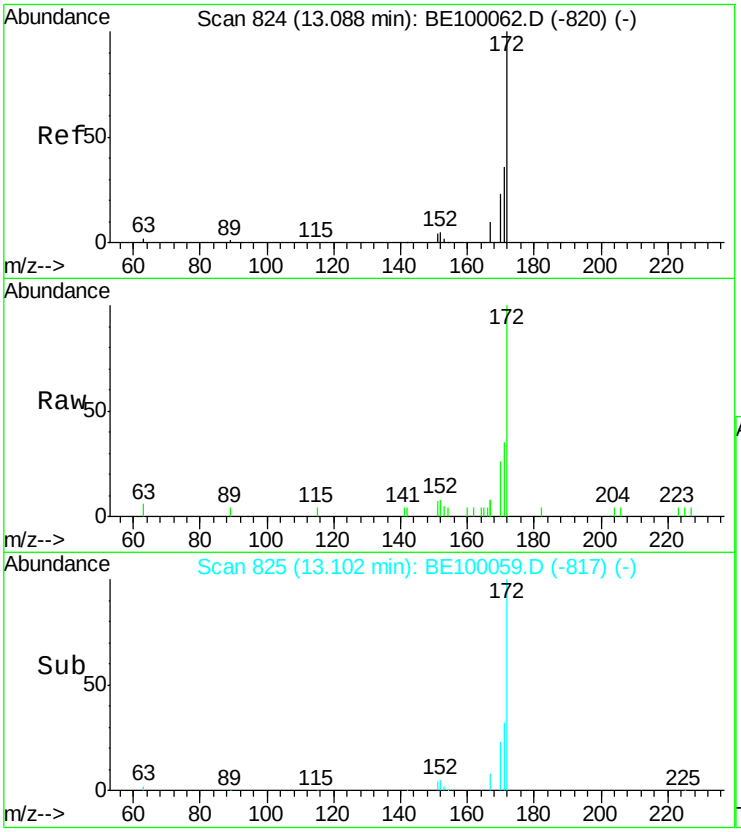


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:330 Resp: 345

Ion	Ratio	Lower	Upper
330	100		
332	95.4	74.7	112.1
141	21.2	20.3	30.5



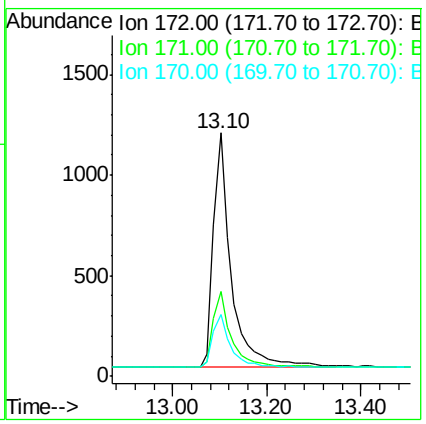


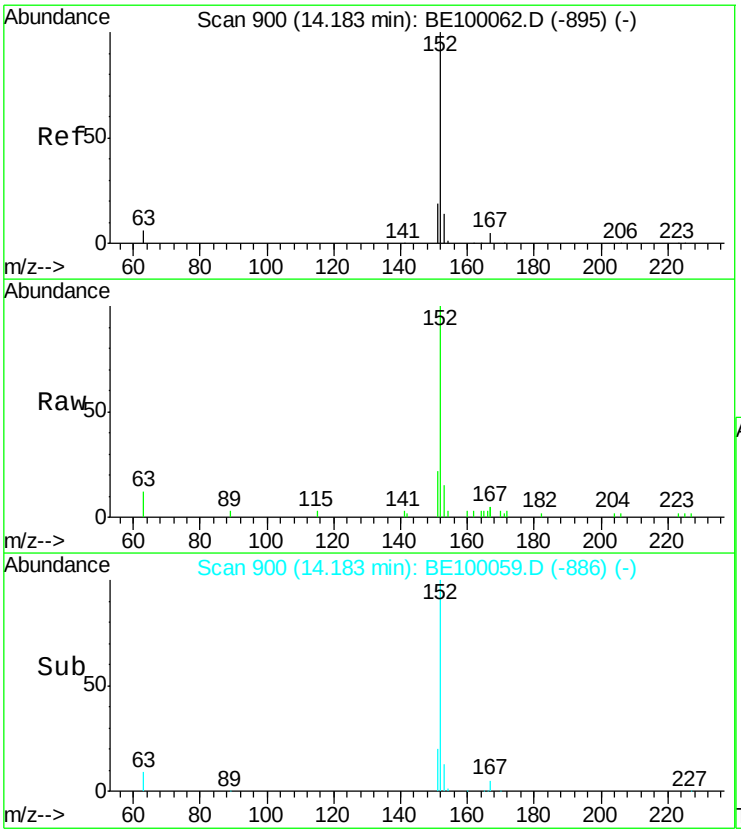
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 3078

Ion	Ratio	Lower	Upper
172	100		
171	34.8	31.0	46.6
170	25.6	21.3	31.9

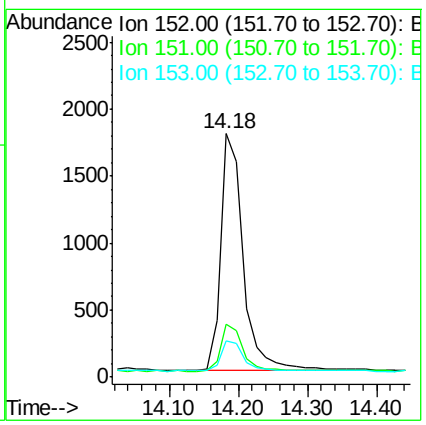


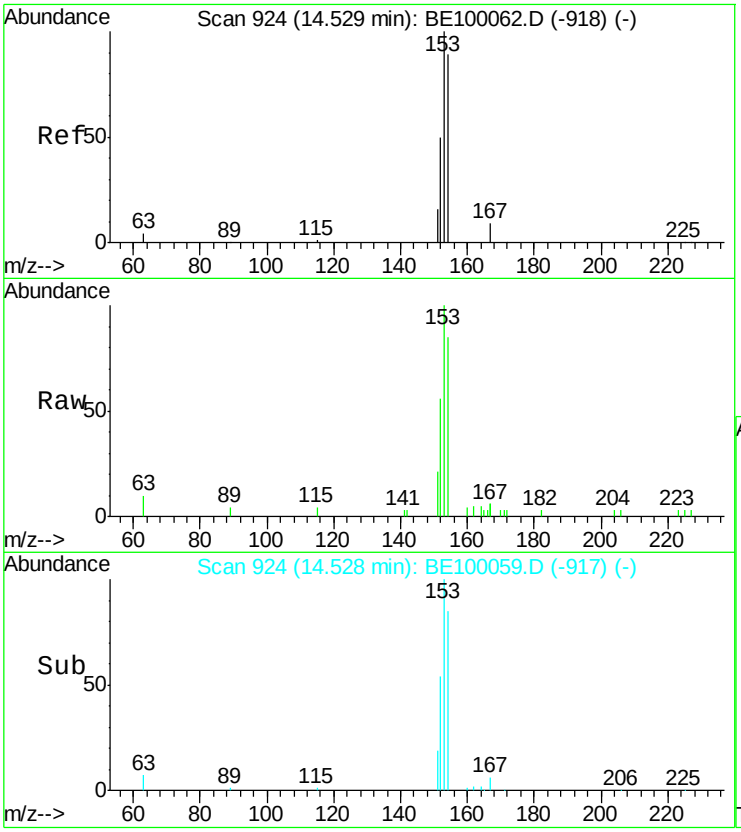


#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:152 Resp: 4013

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.4	11.1	16.7



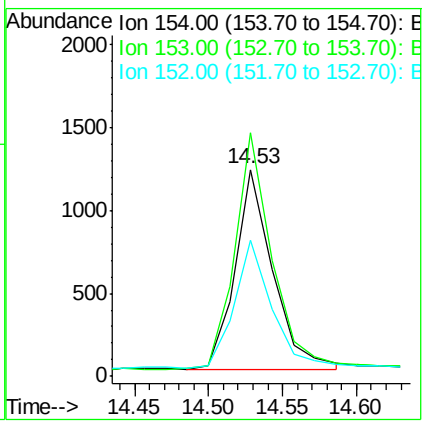


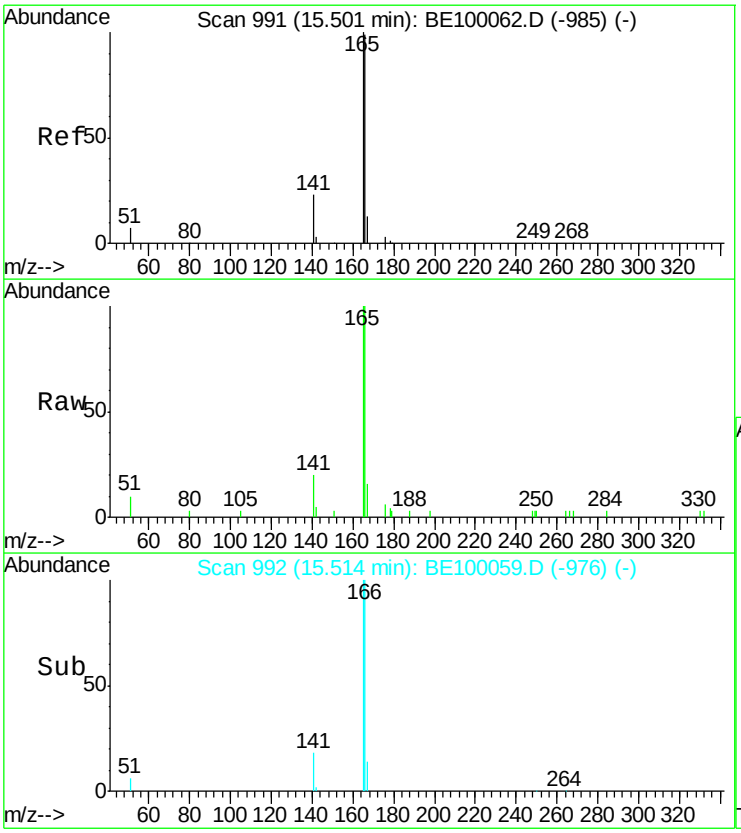
#17
Acenaphthene
Concen: 0.395 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2128

Ion	Ratio	Lower	Upper
154	100		
153	116.4	94.3	141.5
152	63.9	49.0	73.6

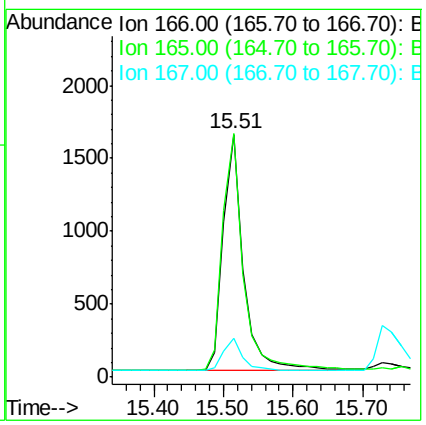


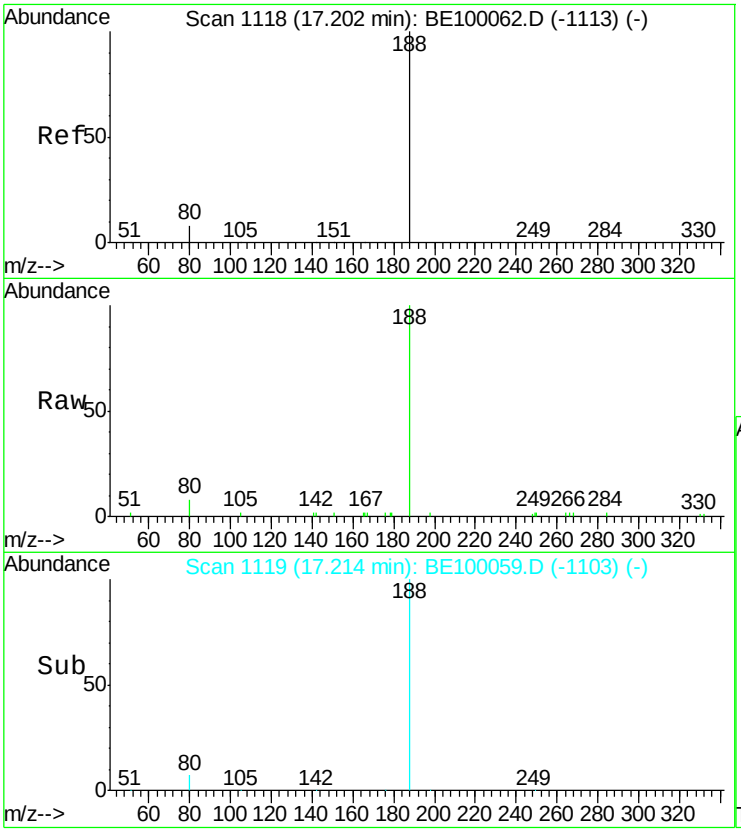


#18
Fluorene
Concen: 0.403 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:166 Resp: 3259

Ion	Ratio	Lower	Upper
166	100		
165	100.6	82.3	123.5
167	13.7	11.0	16.4



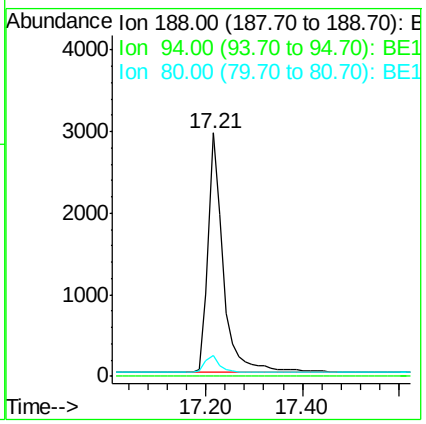


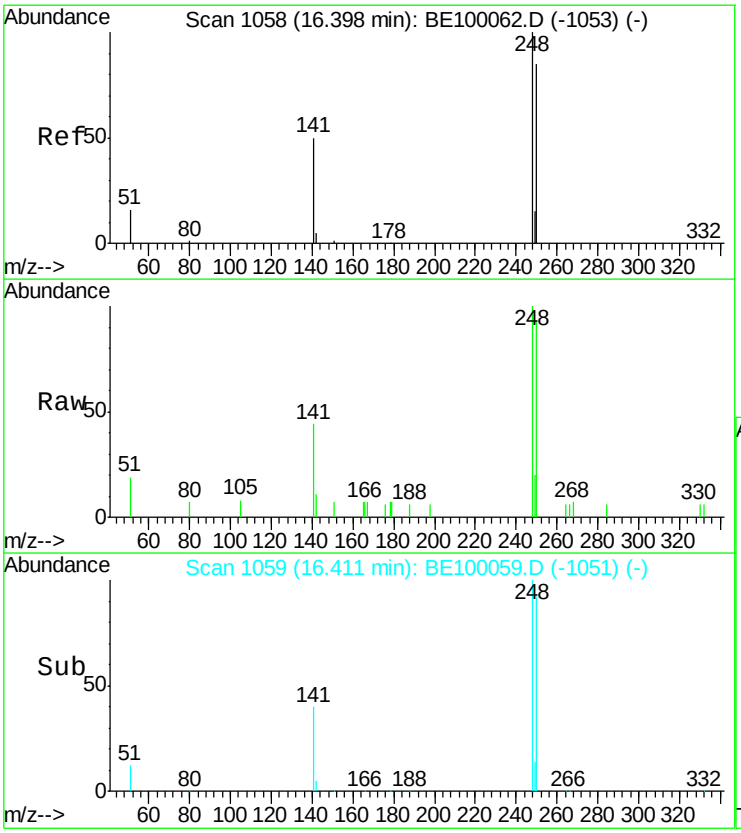
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6338

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	8.2	12.4

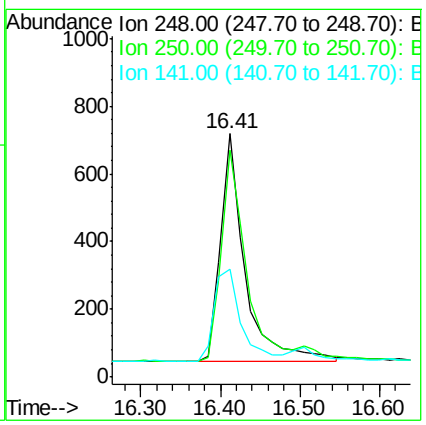


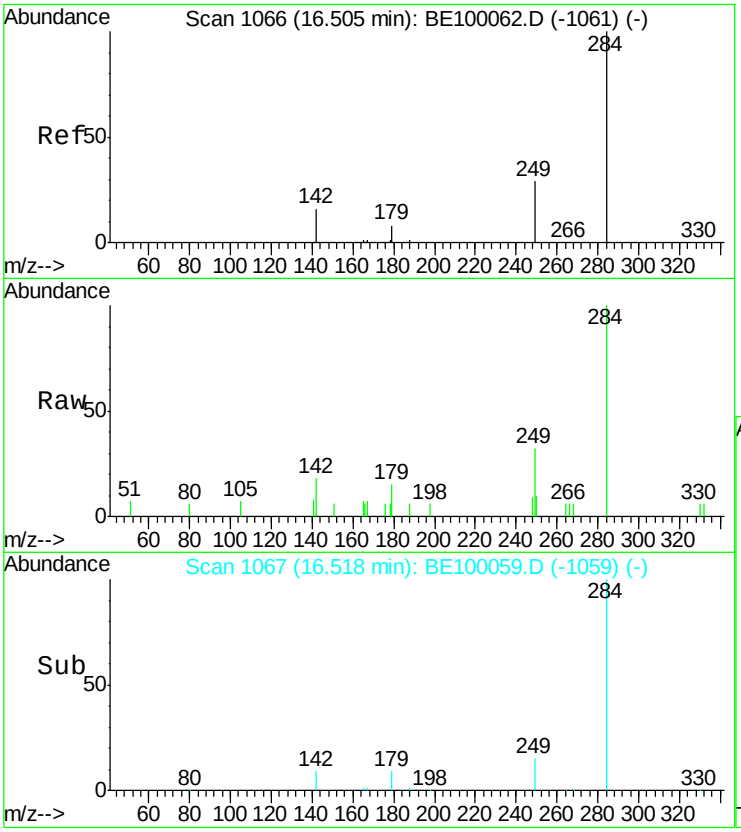


#20
4-Bromophenyl-phenylether
Concen: 0.401 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:248 Resp: 1439

Ion	Ratio	Lower	Upper
248	100		
250	93.0	69.8	104.8
141	44.4	43.0	64.6



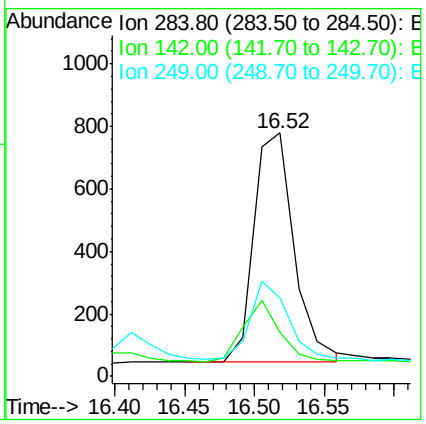


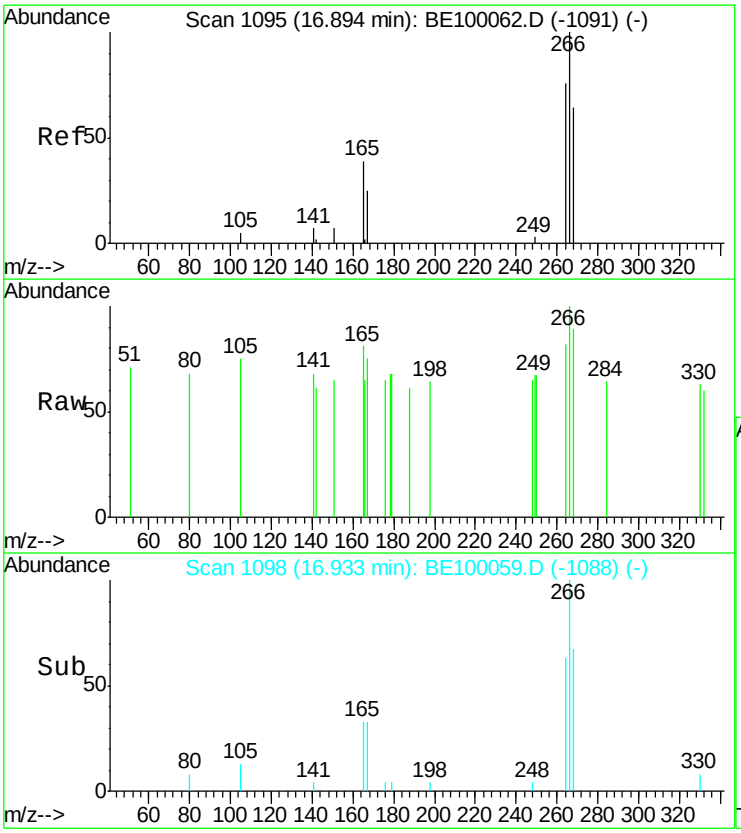
#21
Hexachlorobenzene
Concen: 0.402 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1474

Ion	Ratio	Lower	Upper
284	100		
142	24.0	20.3	30.5
249	31.5	25.3	37.9

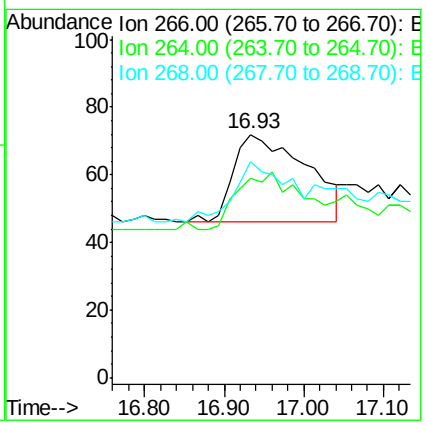


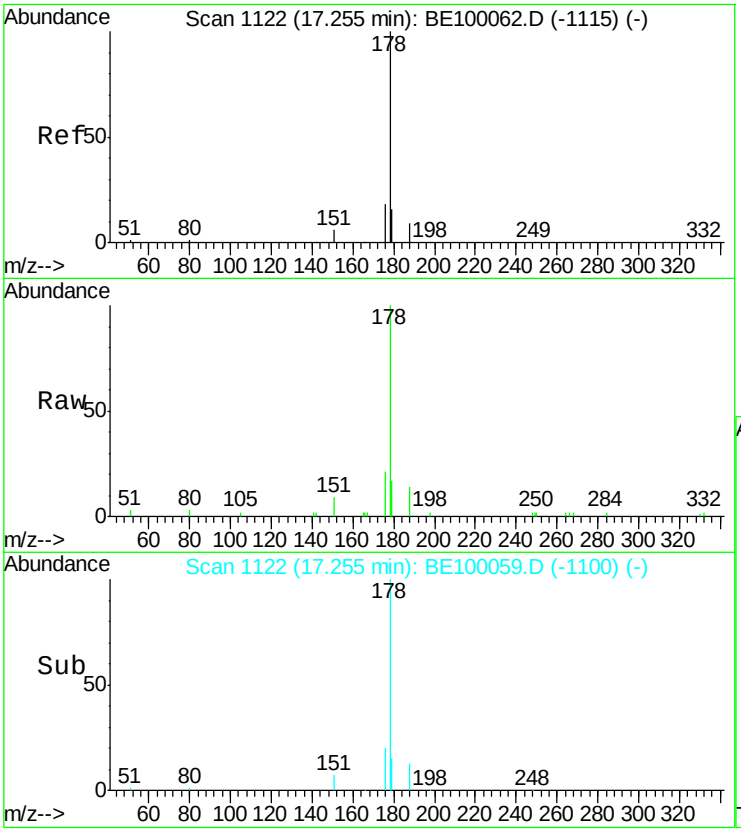


#22
Pentachlorophenol
Concen: 0.144 ng
RT: 16.93 min Scan# 1098
Delta R.T. 0.04 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:266 Resp: 165

Ion	Ratio	Lower	Upper
266	100		
264	81.9	68.6	102.8
268	88.9	67.0	100.6



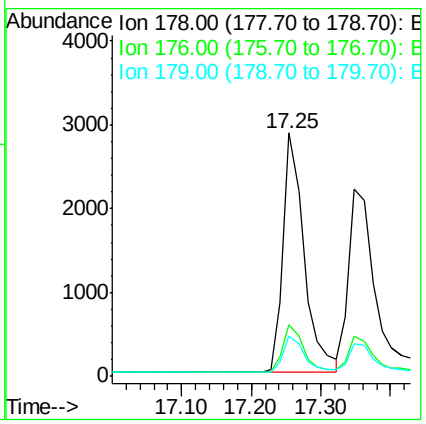


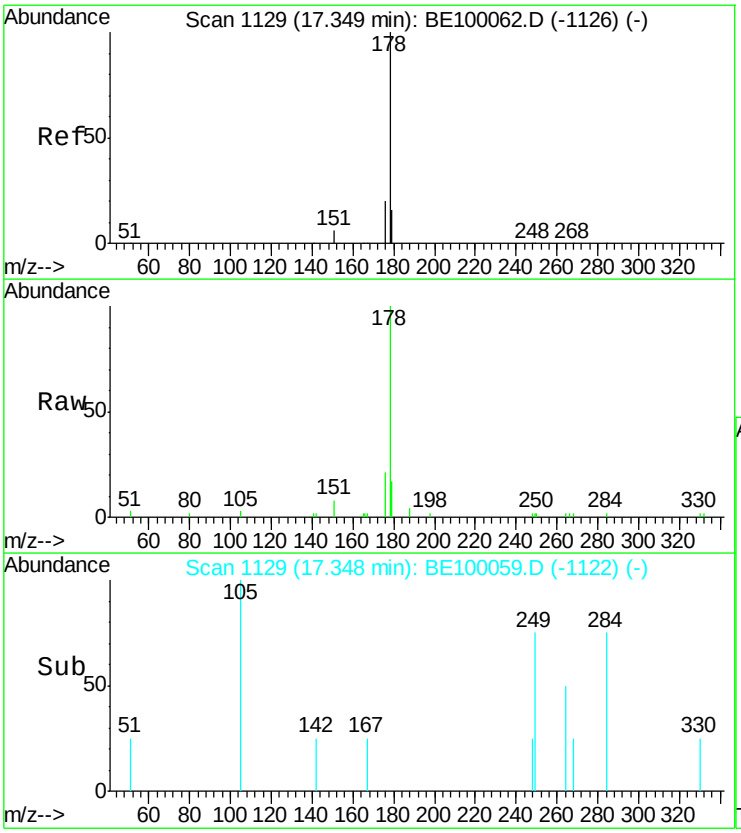
#23
Phenanthrene
Concen: 0.391 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6013

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.4	12.4	18.6

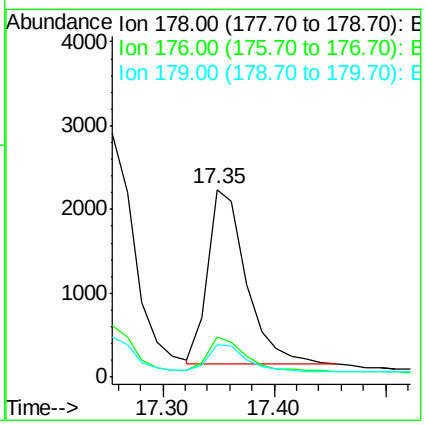


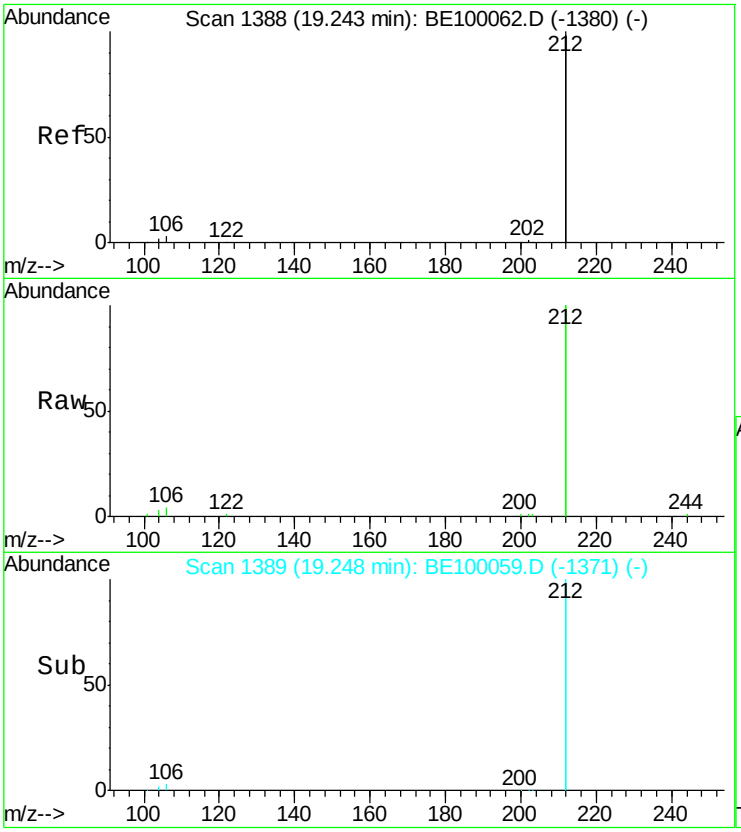


#24
Anthracene
Concen: 0.359 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:178 Resp: 5062

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	21.8
179	15.1	12.6	19.0



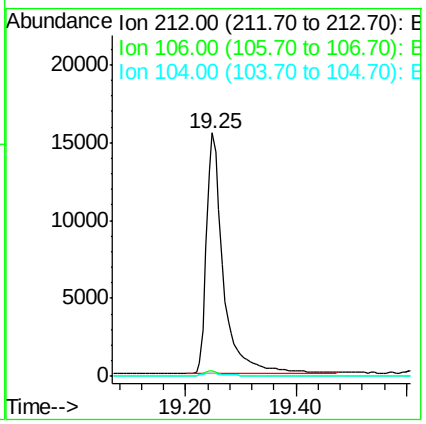


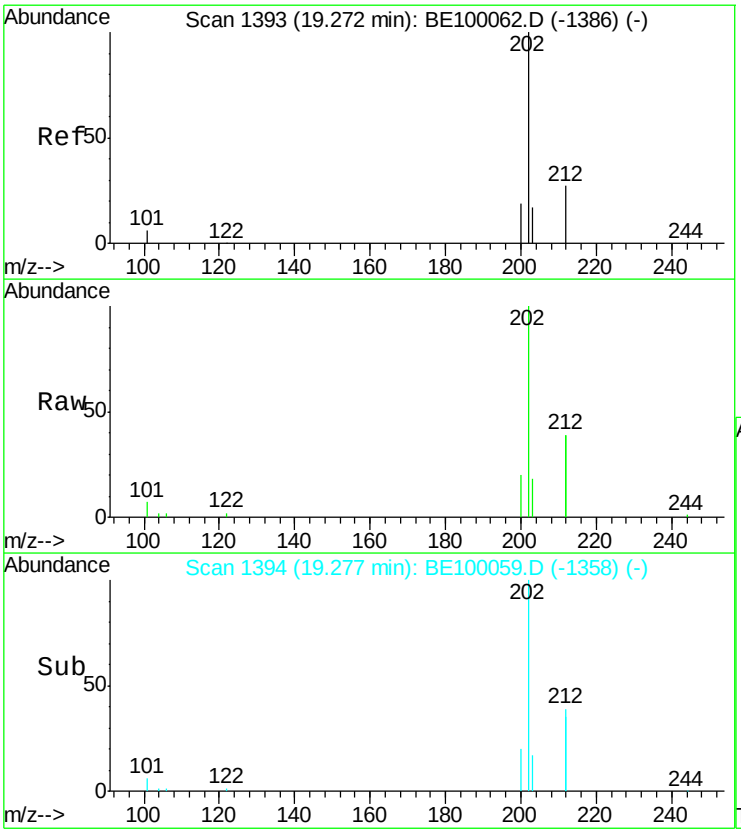
#25
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 33007

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.9	1.3

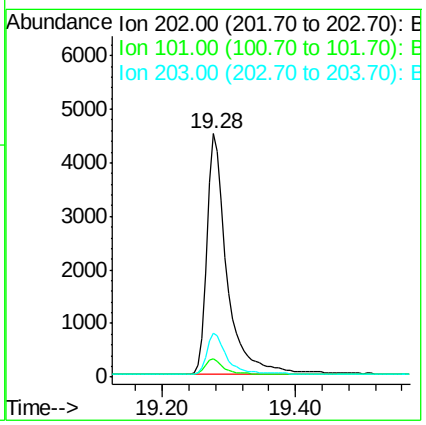


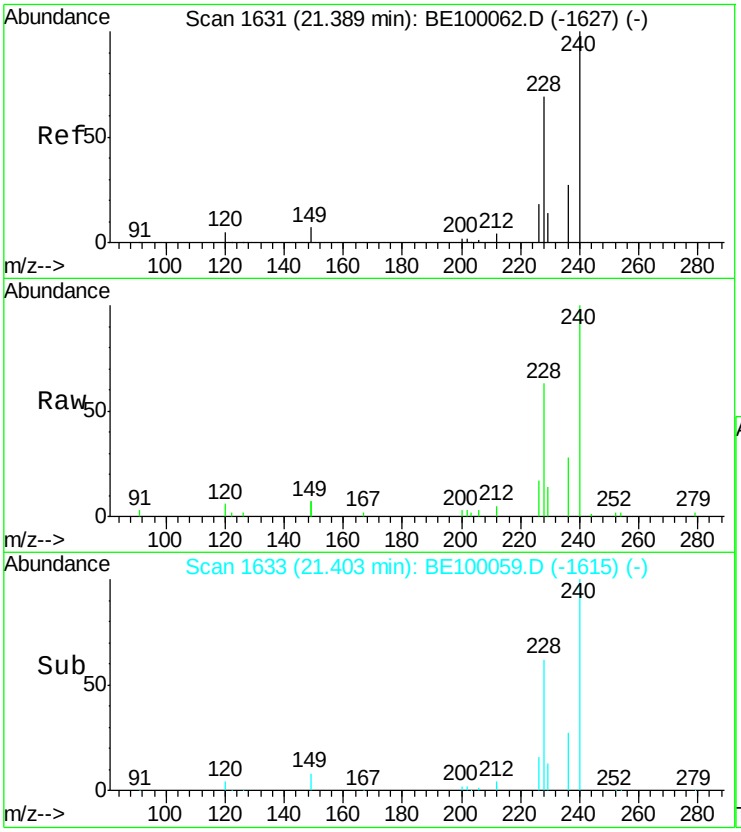


#26
Fluoranthene
Concen: 0.360 ng
RT: 19.28 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:202 Resp: 9408

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.3	7.9
203	17.3	13.3	19.9



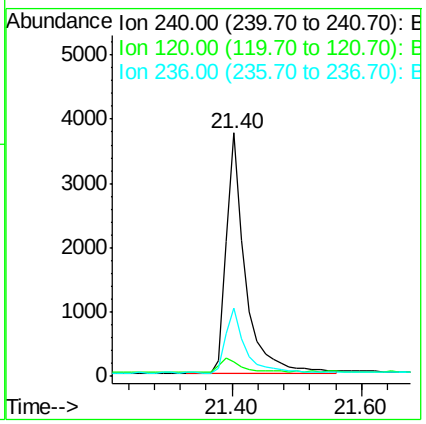


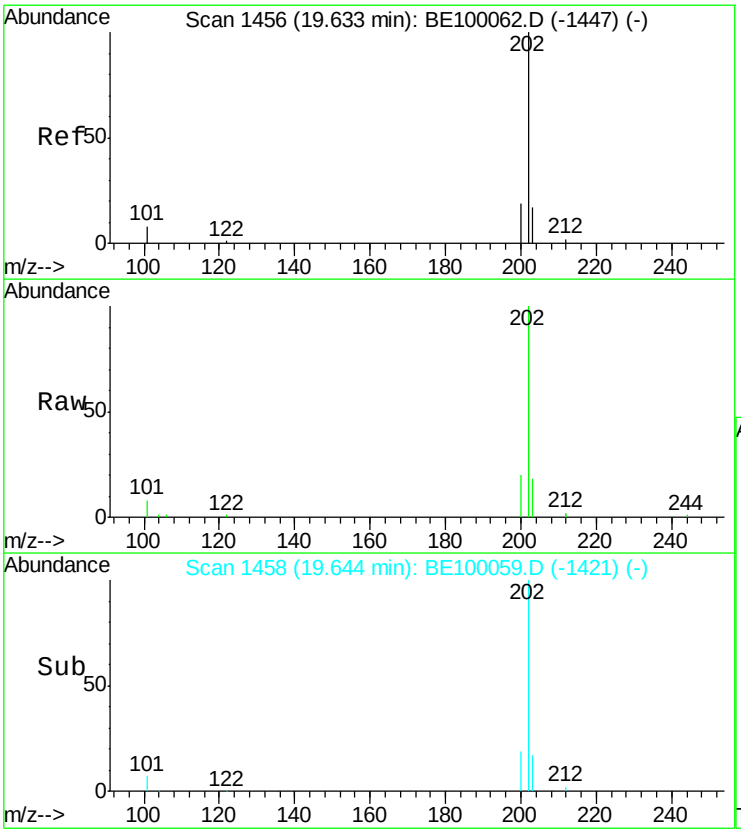
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7732

Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.4	8.0
236	28.3	22.6	33.8

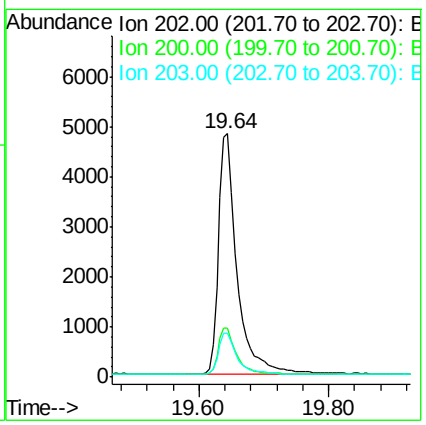


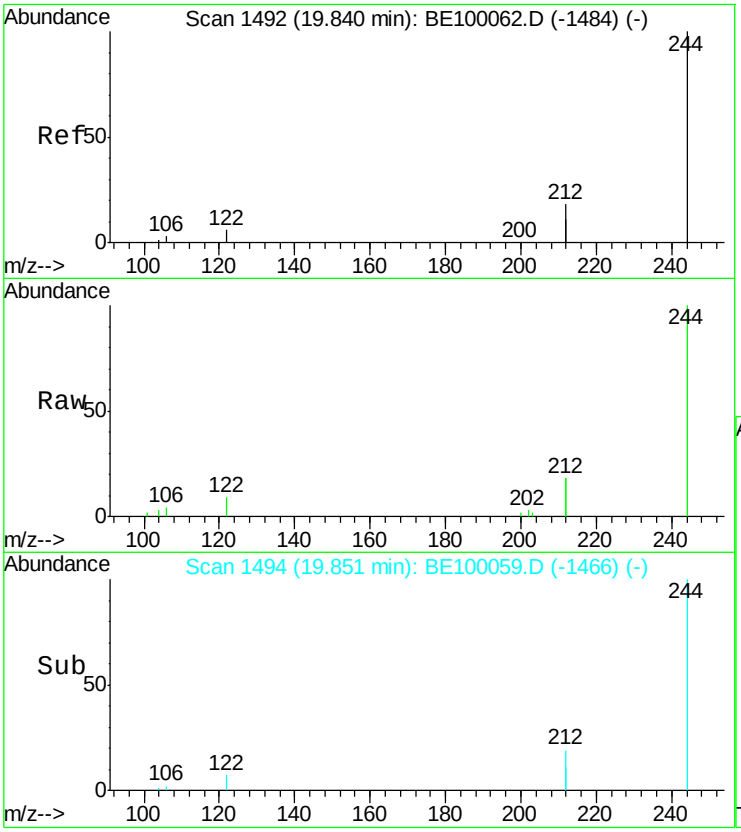


#28
Pyrene
Concen: 0.474 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:202 Resp: 9623

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.6	23.4
203	17.7	14.0	21.0



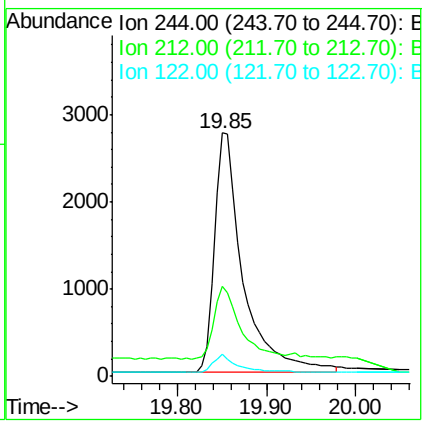


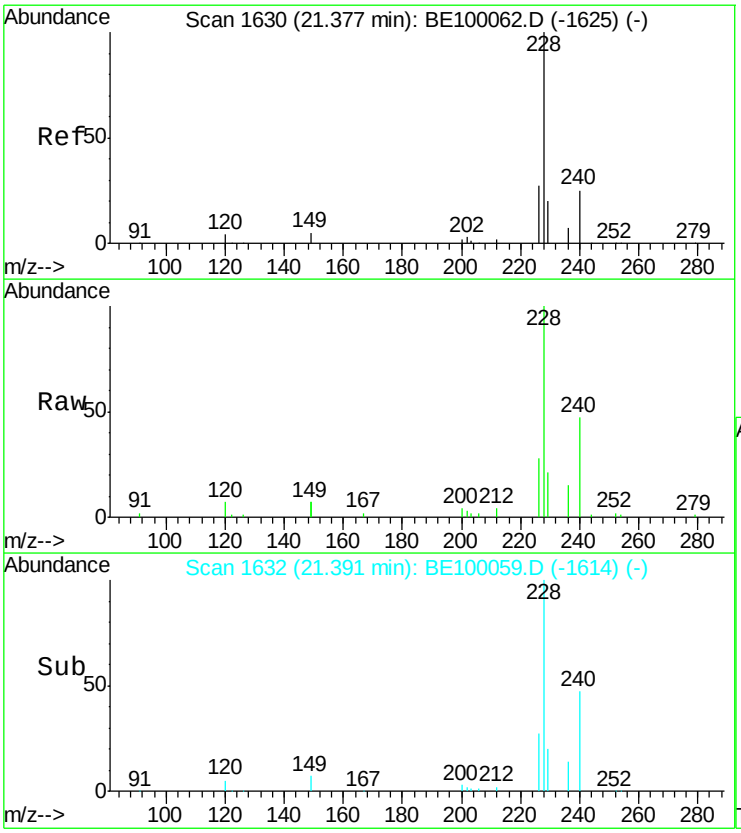
#29
Terphenyl-d14
Concen: 0.436 ng
RT: 19.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6074

Ion	Ratio	Lower	Upper
244	100		
212	36.7	27.9	41.9
122	8.9	5.8	8.6#

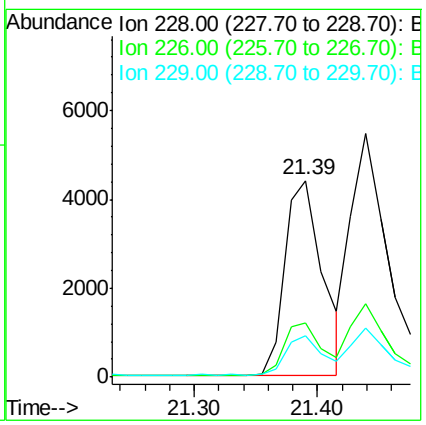


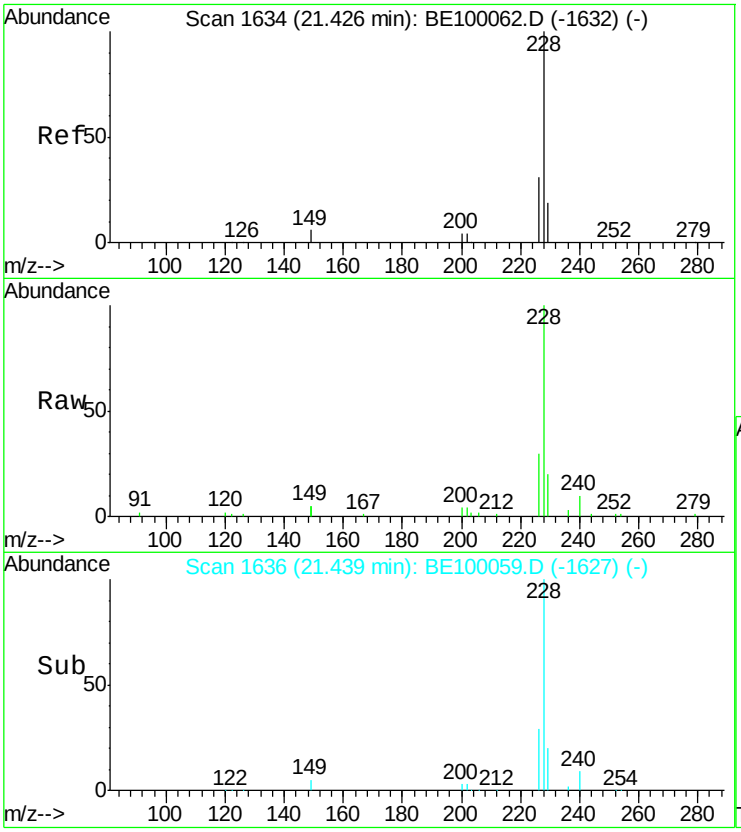


#30
Benzo(a)anthracene
Concen: 0.403 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:228 Resp: 9311

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	21.1	16.9	25.3



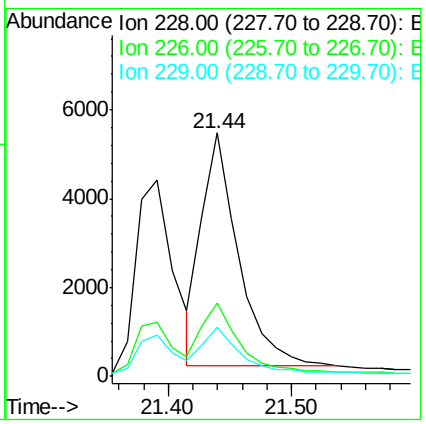


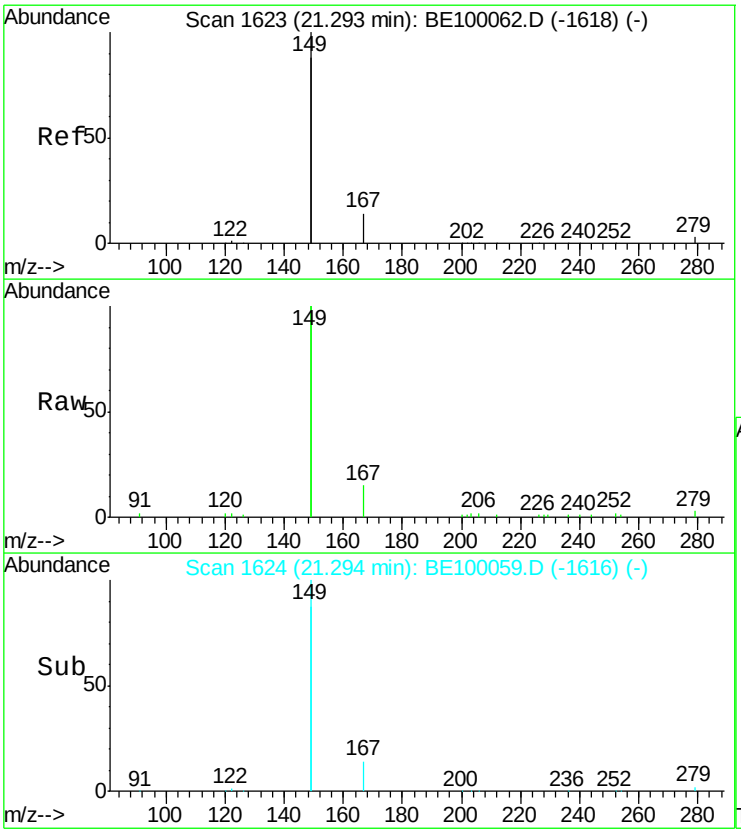
#31
Chrysene
Concen: 0.452 ng
RT: 21.44 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 10810

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	20.3	15.8	23.8

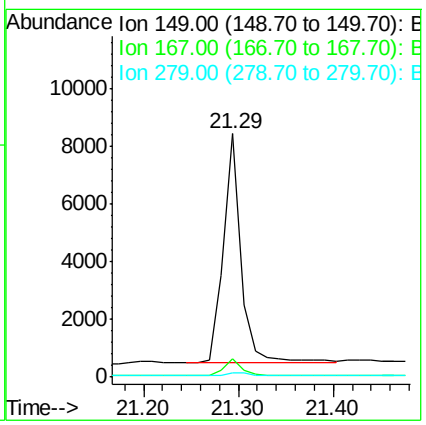


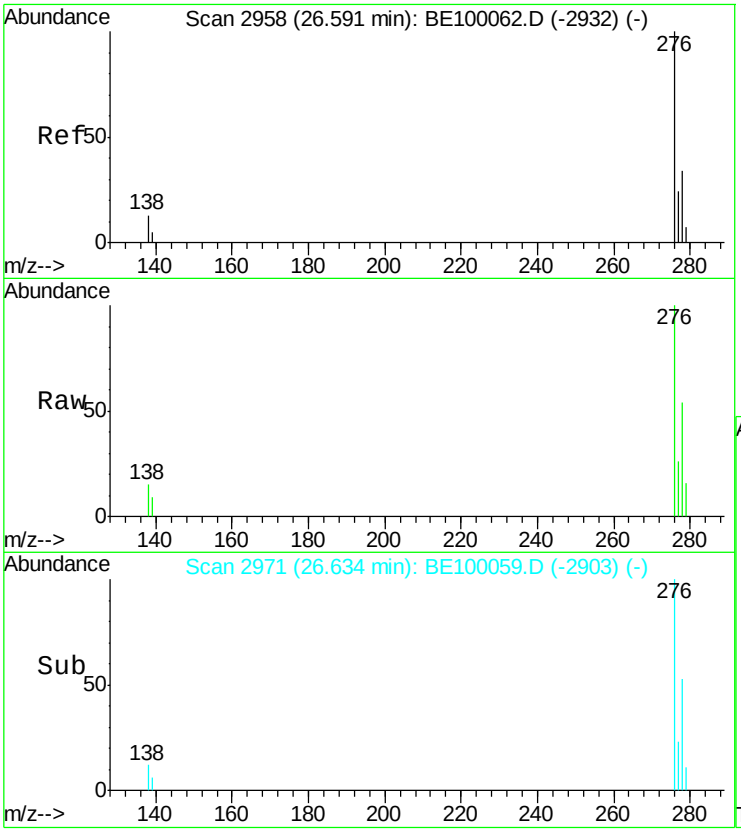


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.311 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:149 Resp: 10299

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.9	8.9
279	1.4	1.0	1.6



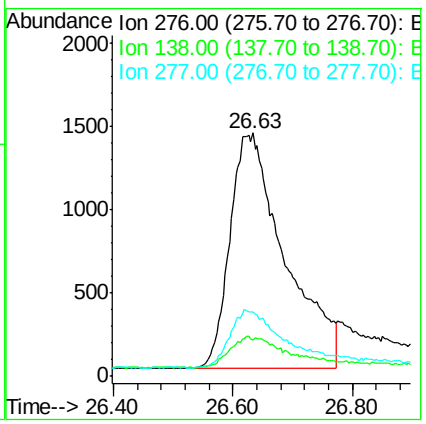


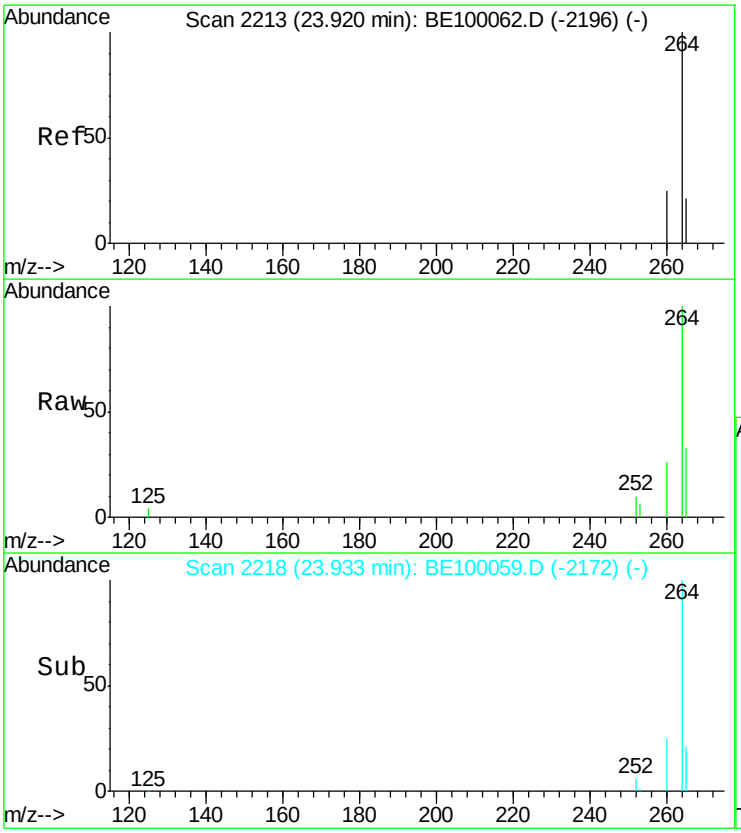
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.319 ng
RT: 26.63 min Scan# 2971
Delta R.T. 0.04 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9049

Ion	Ratio	Lower	Upper
276	100		
138	5.6	10.7	16.1#
277	24.0	19.0	28.6

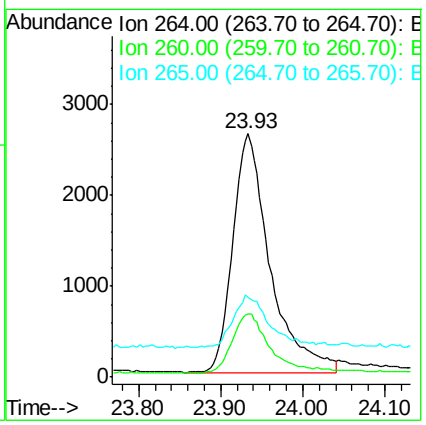


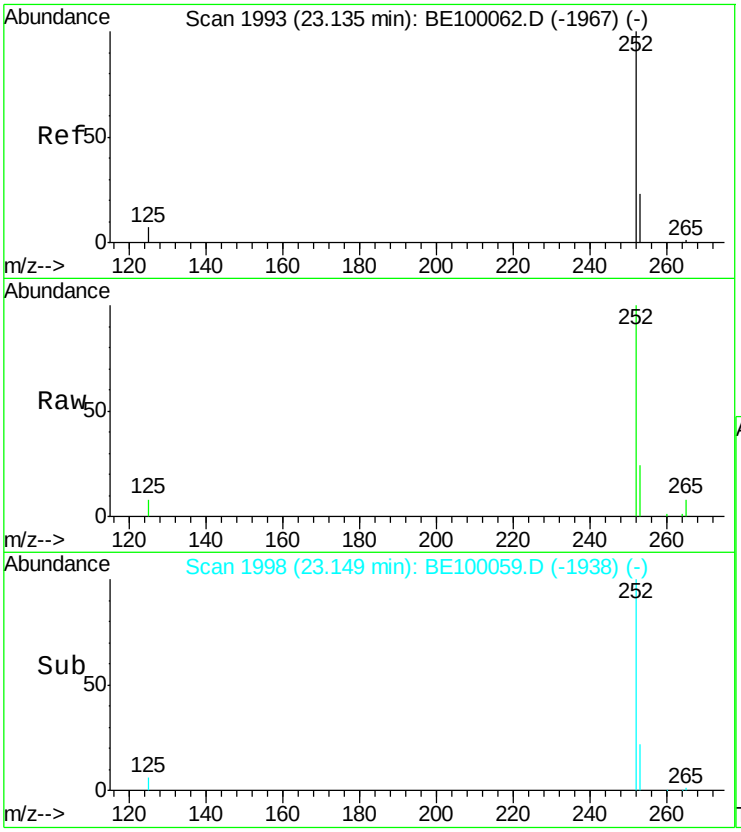


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:264 Resp: 8264

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.6	31.0
265	32.9	23.6	35.4



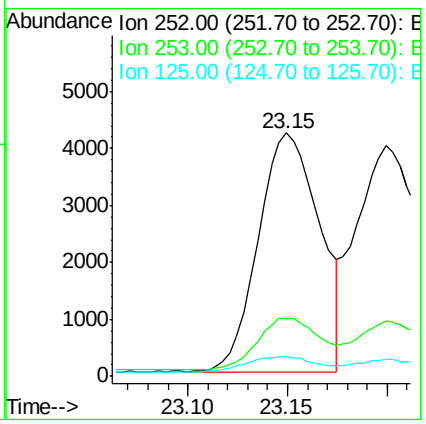


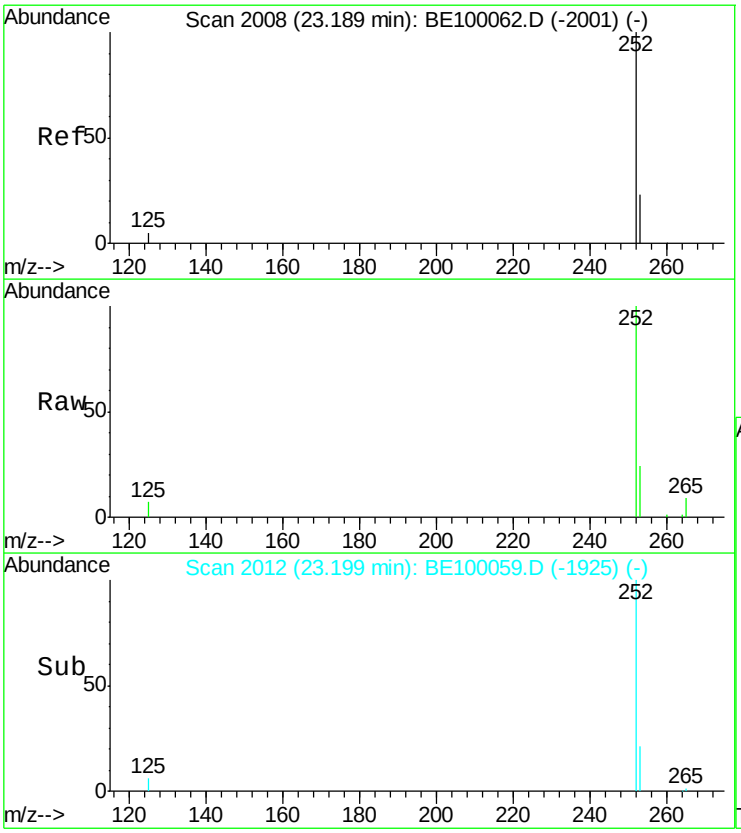
#35
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.15 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8914

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.6	29.4
125	8.2	7.2	10.8

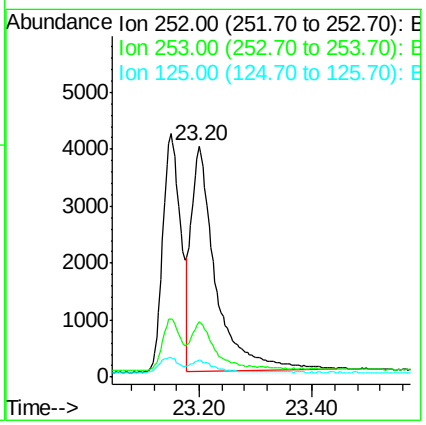


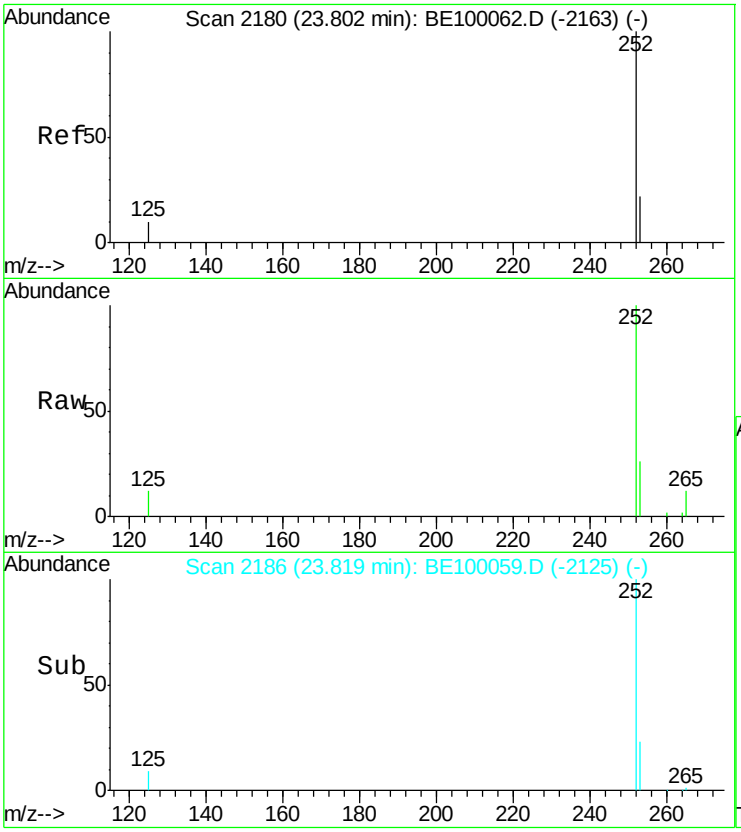


#36
Benzo(k)fluoranthene
Concen: 0.490 ng
RT: 23.20 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:252 Resp: 11879

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.3	28.9
125	7.4	5.6	8.4



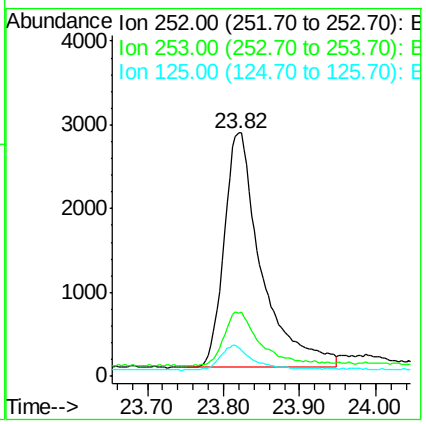


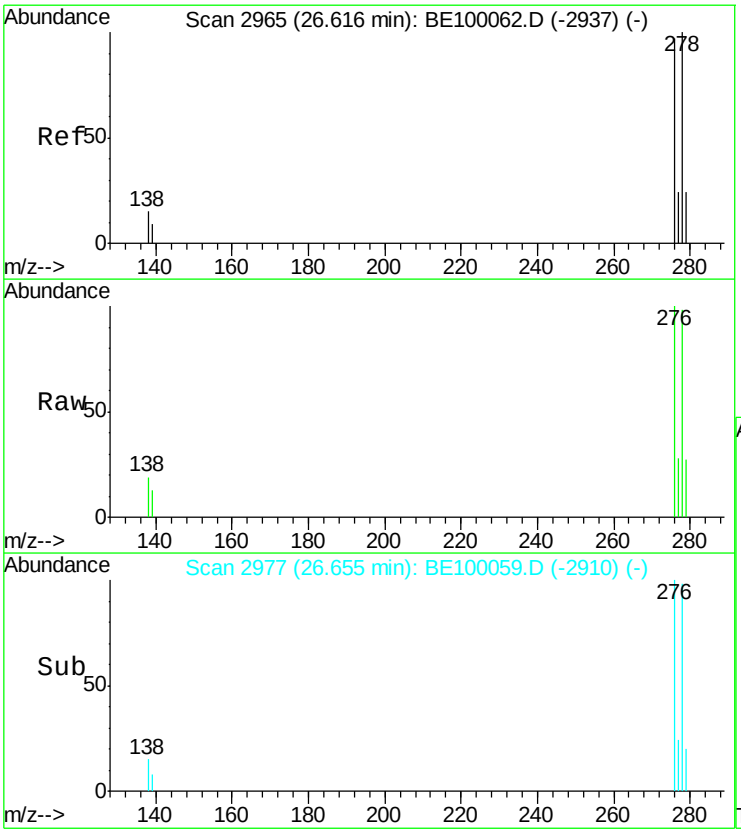
#37
Benzo(a)pyrene
Concen: 0.419 ng
RT: 23.82 min Scan# 2186
Delta R.T. 0.02 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9557

Ion	Ratio	Lower	Upper
252	100		
253	26.1	20.0	30.0
125	11.7	9.6	14.4

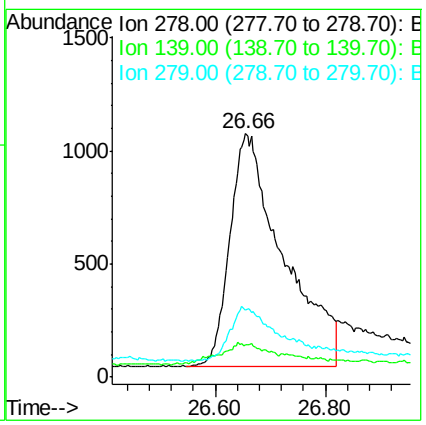


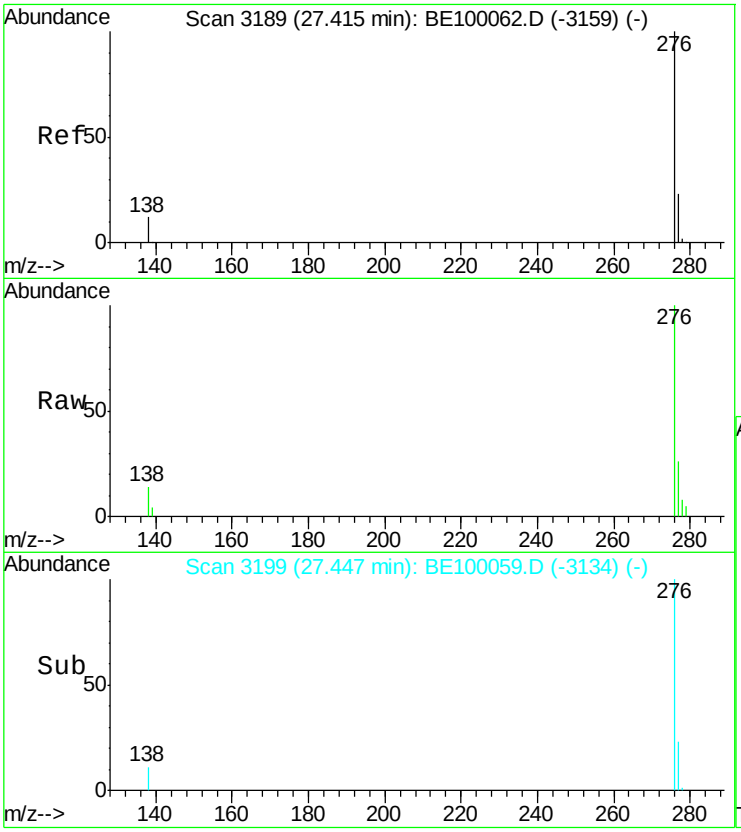


#38
Dibenzo(a,h)anthracene
Concen: 0.299 ng
RT: 26.66 min Scan# 2977
Delta R.T. 0.04 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:278 Resp: 6873

Ion	Ratio	Lower	Upper
278	100		
139	13.4	9.2	13.8
279	27.7	21.4	32.0





#39
Benzo(g,h,i)perylene
Concen: 0.352 ng
RT: 27.45 min Scan# 3199
Delta R.T. 0.03 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8358

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.2
138	14.1	11.0	16.6