Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011519\
Data File : BE098623.D
Acq On : 15 Jan 2019 12:08
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Jan 15 13:09:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 12:58:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1160	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	5325	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	3389	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	8269	0.40	ng		0.00
27) Chrysene-d12	21.41	240	9345	0.40	ng		0.00
34) Perylene-d12	23.92	264	8872	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	1202	0.44	ng		0.00
5) Phenol-d6	7.00	99	1764	0.46	ng		0.00
8) Nitrobenzene-d5	8.97	82	1633	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	3233	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	582	0.47	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	5065	0.35	ng		0.00
25) Fluoranthene-d10	19.26	212	37946	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	7564	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	789	0.393	ng		100
3) n-Nitrosodimethylamine	3.65	42	641	0.355	ng	#	100
6) bis(2-Chloroethyl)ether	7.24	93	1229	0.336	ng		100
9) Naphthalene	10.65	128	19933	0.372	ng		100
10) Hexachlorobutadiene	10.94	225	1437	0.421	ng		100
12) 2-Methylnaphthalene	12.28	142	3236	0.372	ng		100
16) Acenaphthylene	14.20	152	5487	0.346	ng		100
17) Acenaphthene	14.54	154	3544	0.372	ng		99
18) Fluorene	15.52	166	4622	0.362	ng		100
20) 4-Bromophenyl-phenylether	16.41	248	1617	0.363	ng		100
21) Hexachlorobenzene	16.53	284	2016	0.421	ng		100
22) Pentachlorophenol	16.89	266	487	0.516	ng		100
23) Phenanthrene	17.27	178	7326	0.365	ng		100
24) Anthracene	17.36	178	6067	0.339	ng		100
26) Fluoranthene	19.29	202	9311	0.350	ng		100
28) Pyrene	19.65	202	9792	0.334	ng		100
30) Benzo(a)anthracene	21.39	228	9418	0.354	ng		100
31) Chrysene	21.45	228	9781	0.351	ng		100
32) Bis(2-ethylhexyl)phthalate	21.32	149	18829	0.348	ng		100
33) Indeno(1,2,3-cd)pyrene	26.57	276	10288	0.371	ng		100
35) Benzo(b)fluoranthene	23.15	252	9045	0.373	ng		100
36) Benzo(k)fluoranthene	23.20	252	10251	0.363	ng		100
37) Benzo(a)pyrene	23.81	252	9006	0.360	ng		100
38) Dibenzo(a,h)anthracene	26.60	278	7917	0.336	ng		100
39) Benzo(g,h,i)perylene	27.39	276	8905	0.375	ng		100

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

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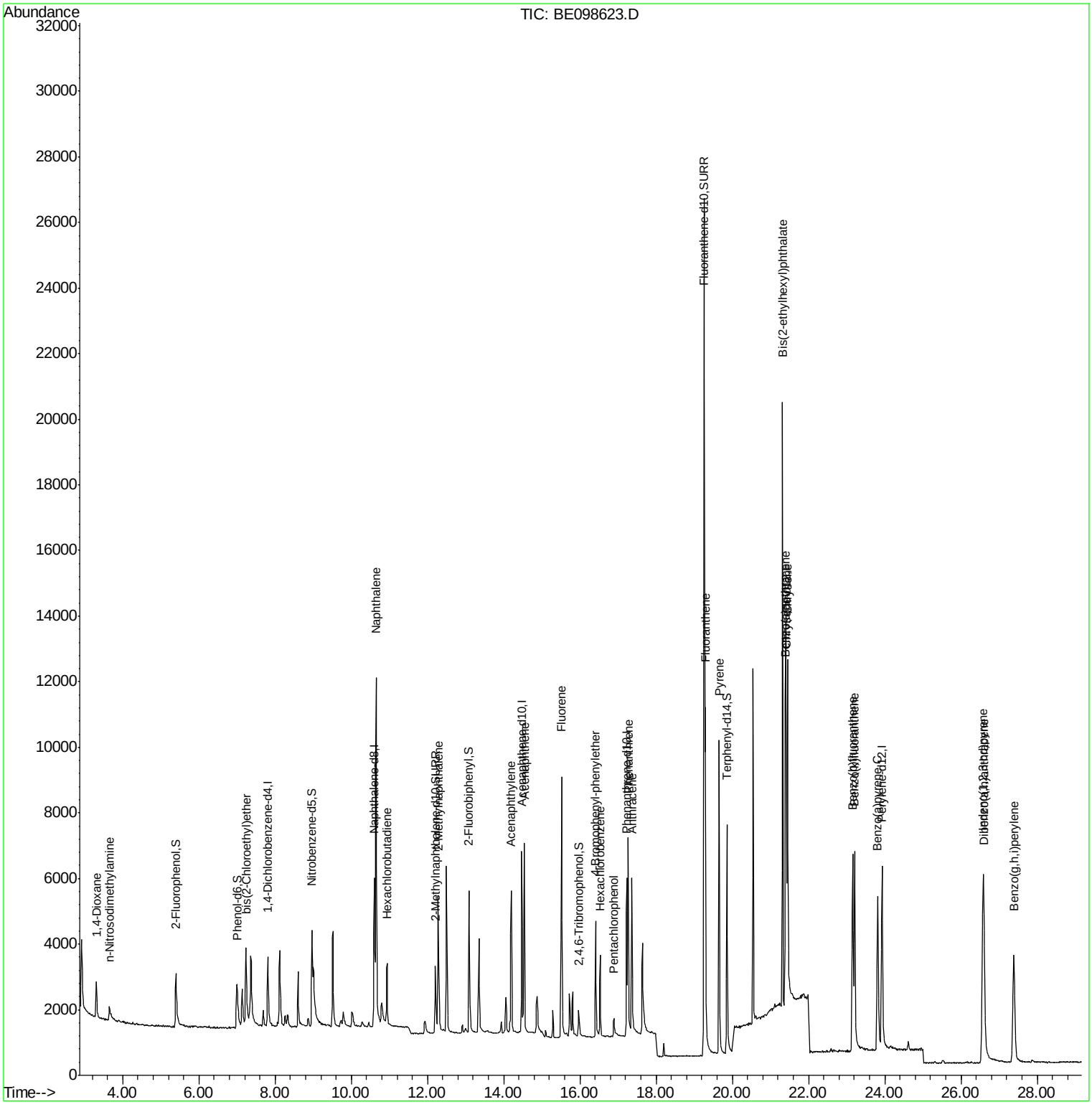
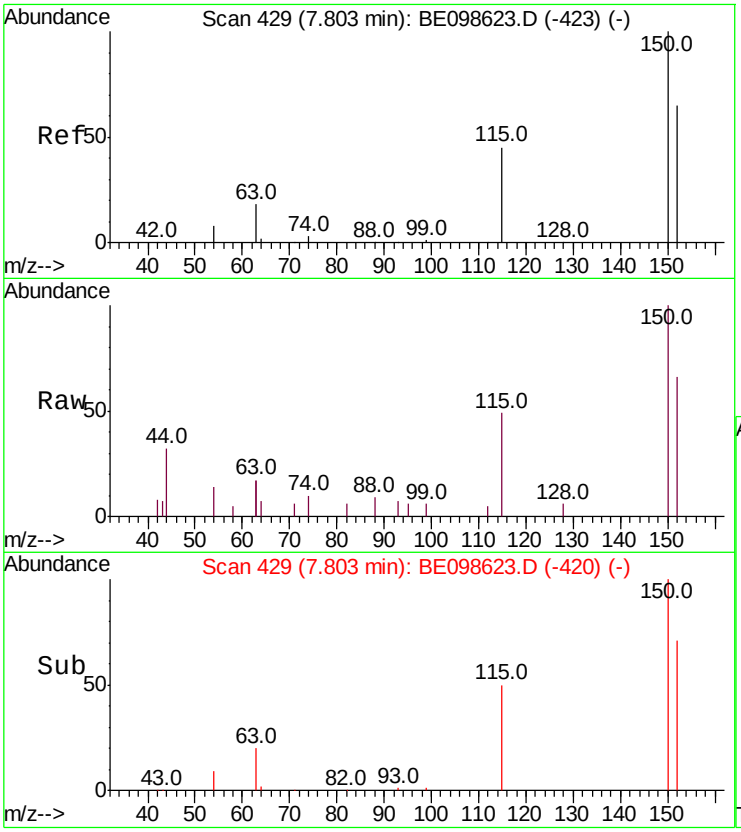
Acq On : 15 Jan 2019 12:08
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 15 13:09:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 12:58:38 2019
Response via : Initial Calibration



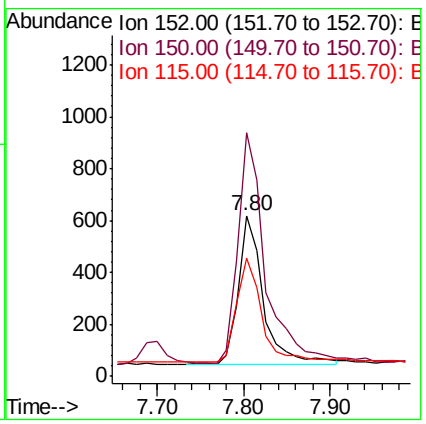


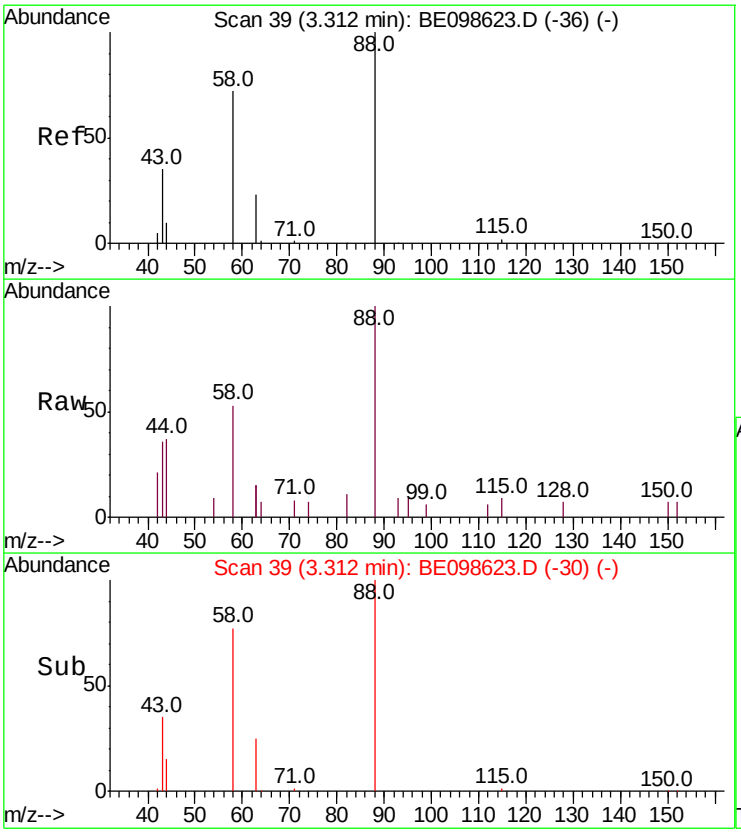
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1160

Ion	Ratio	Lower	Upper
152	100		
150	151.8	121.4	182.2
115	73.9	59.1	88.7

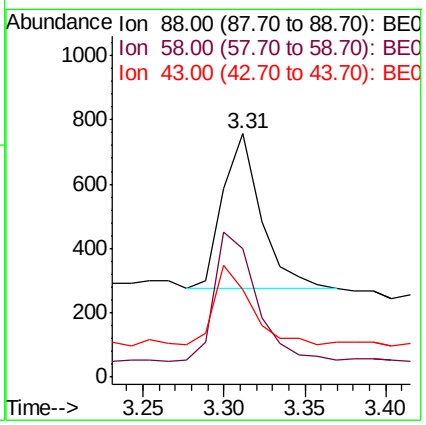




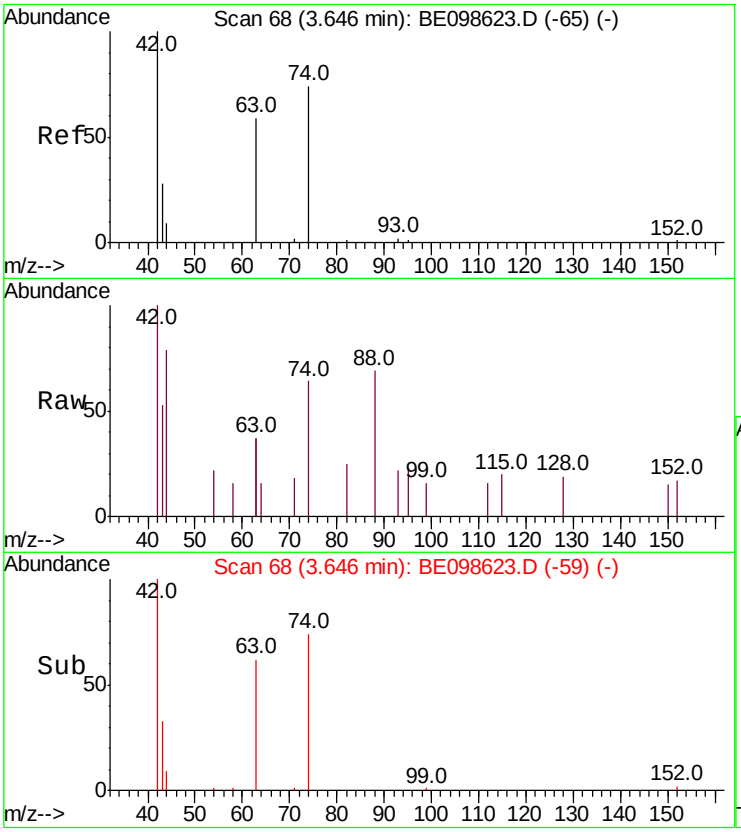
#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion: 88 Resp: 789

Ion	Ratio	Lower	Upper
88	100		
58	92.4	73.9	110.9
43	54.6	43.7	65.5



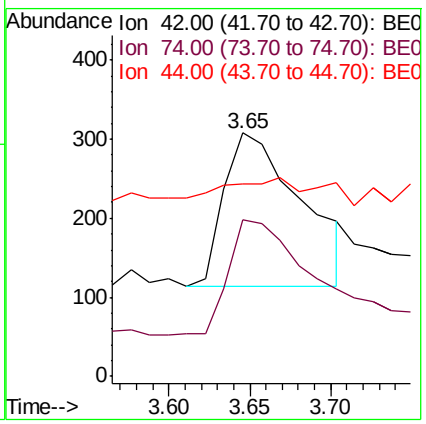
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

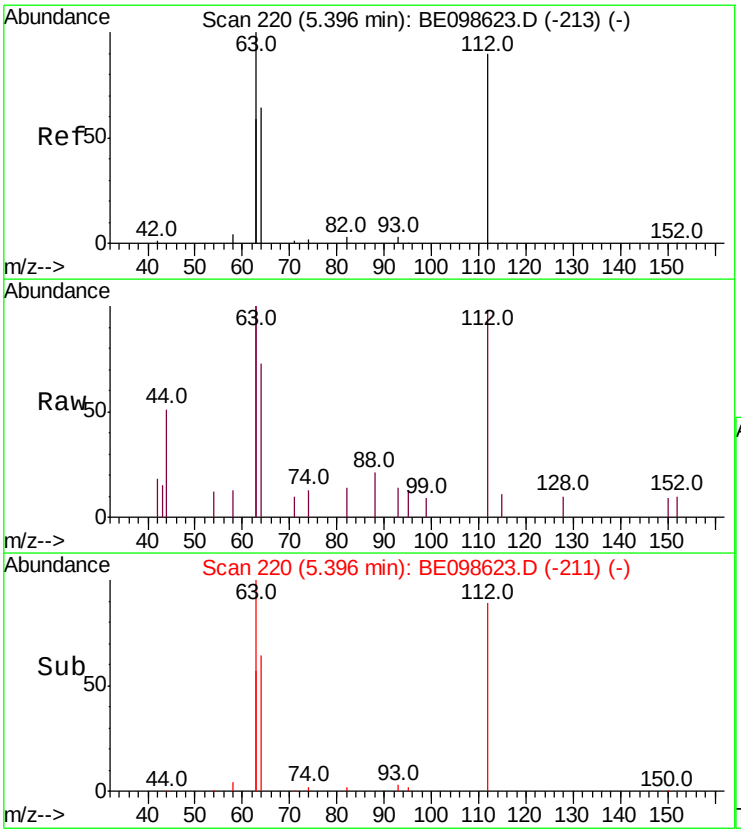


#3
n-Nitrosodimethylamine
Concen: 0.355 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion: 42 Resp: 641

Ion	Ratio	Lower	Upper
42	100		
74	73.3	58.9	88.3
44	0.0	0.0	0.0

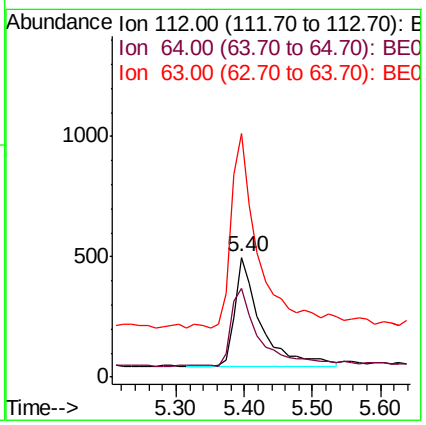


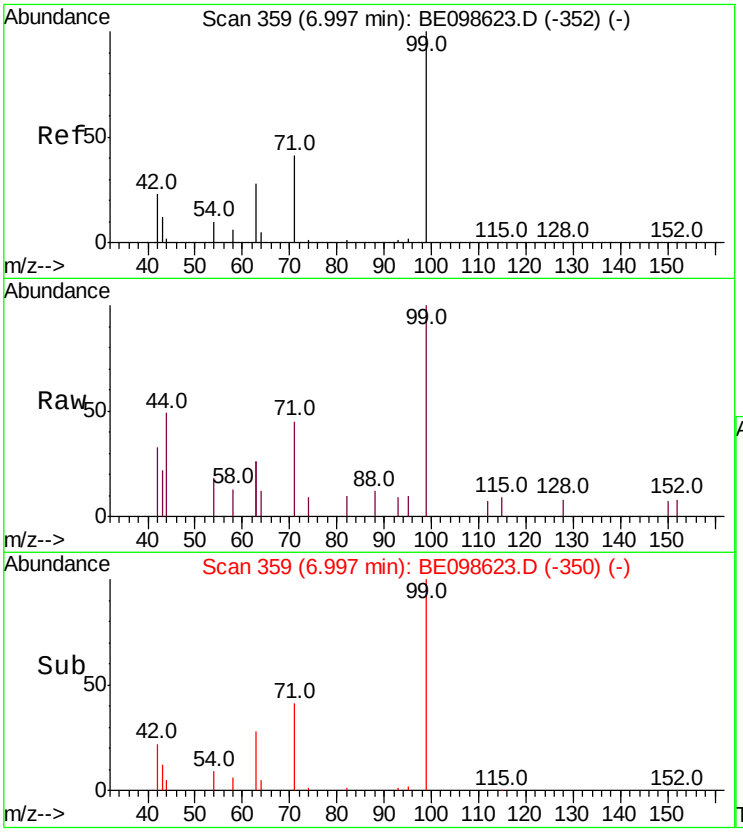


#4
2-Fluorophenol
Concen: 0.443 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:112 Resp: 1202

Ion	Ratio	Lower	Upper
112	100		
64	78.6	62.9	94.3
63	190.3	152.2	228.4



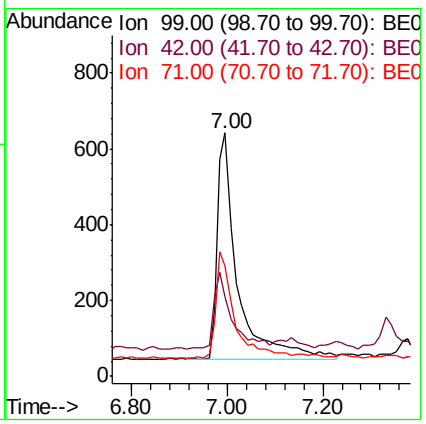


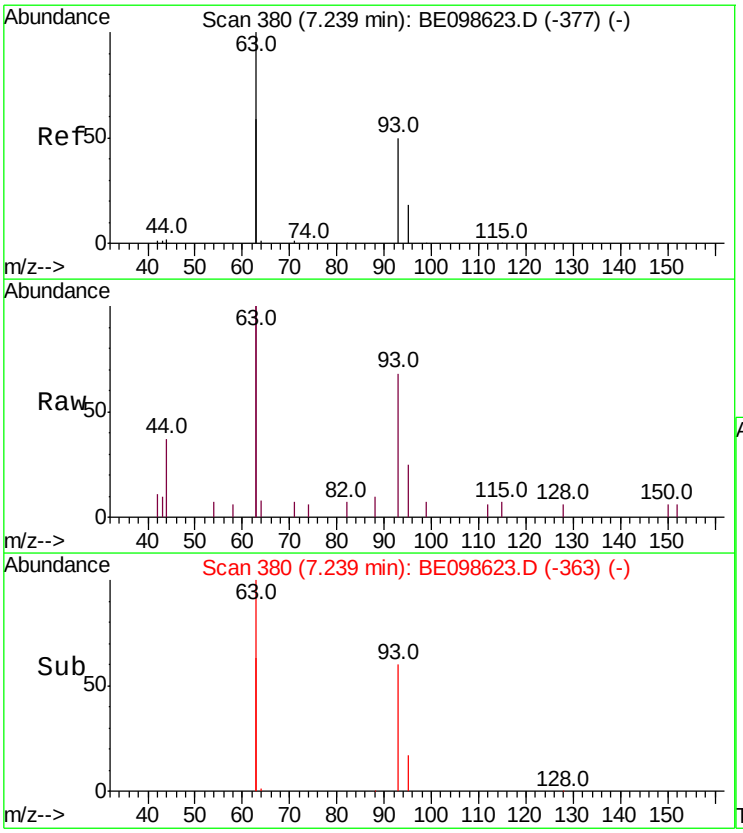
#5
Phenol-d6
Concen: 0.459 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1764

Ion	Ratio	Lower	Upper
99	100		
42	30.8	24.6	37.0
71	43.9	35.1	52.7

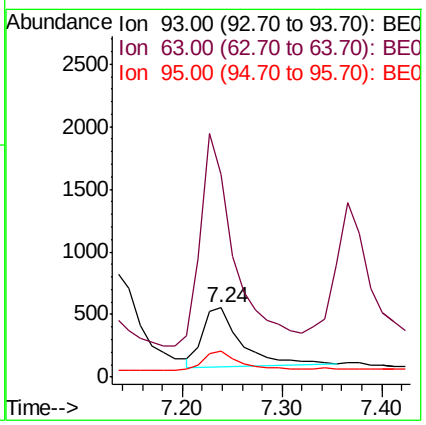


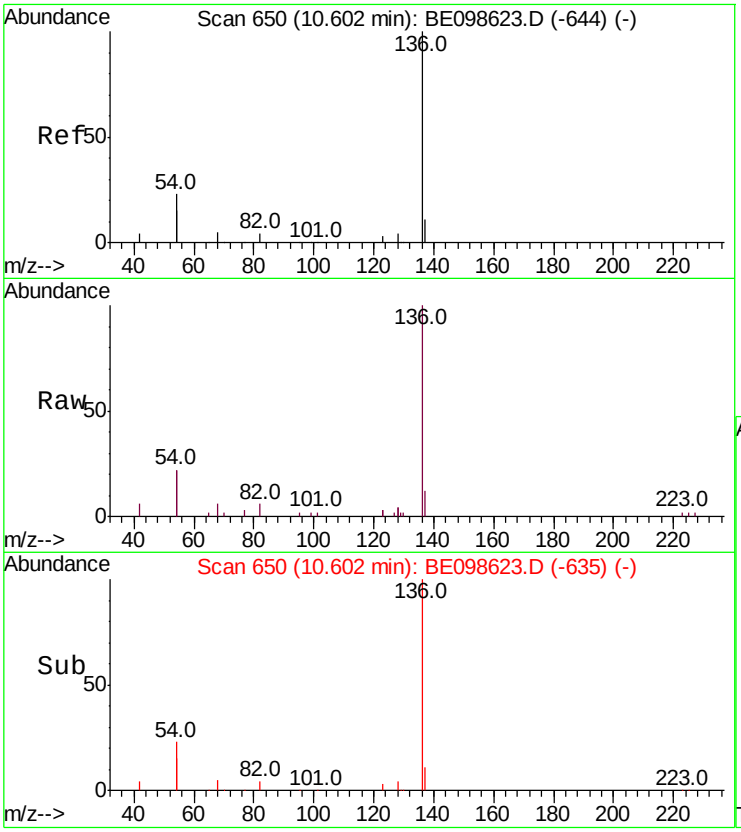


#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion: 93 Resp: 1229

Ion	Ratio	Lower	Upper
93	100		
63	334.1	267.3	400.9
95	32.8	26.2	39.4



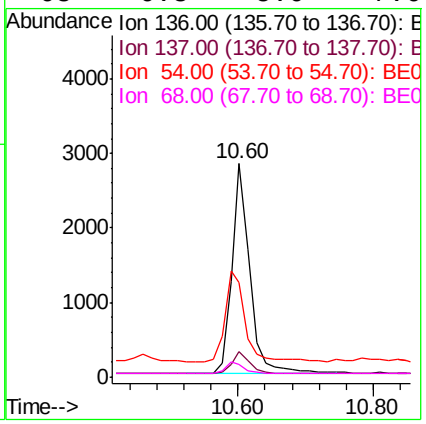


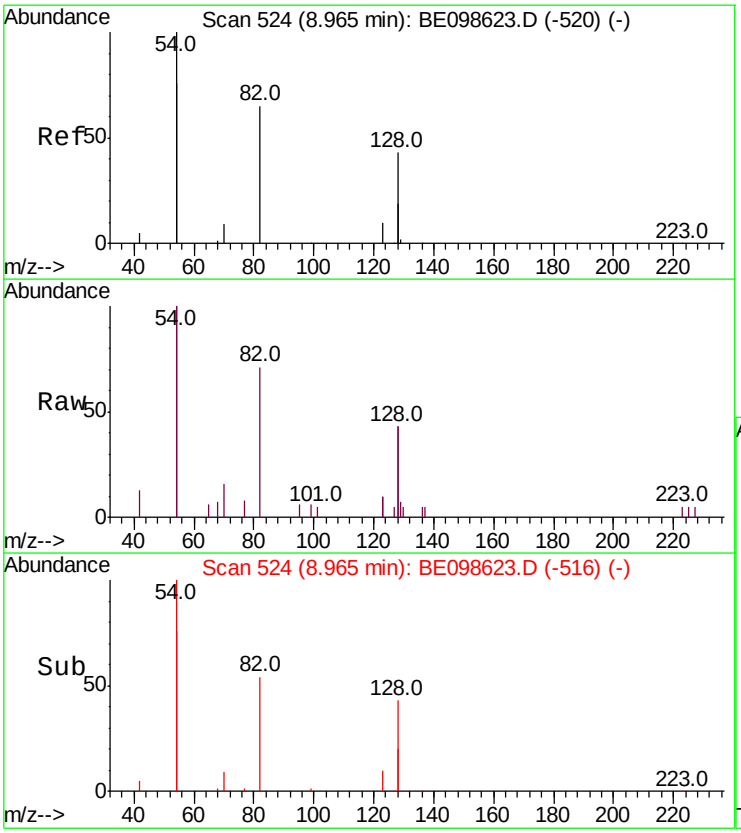
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 5325

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	44.4	35.5	53.3
68	6.3	5.0	7.6

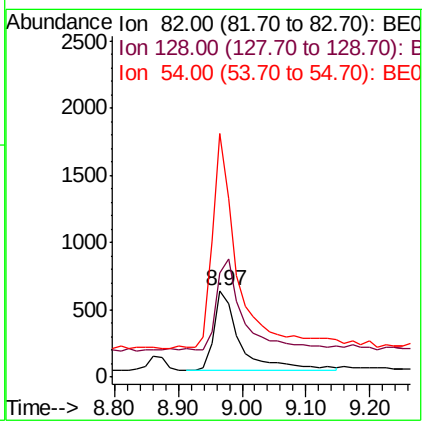


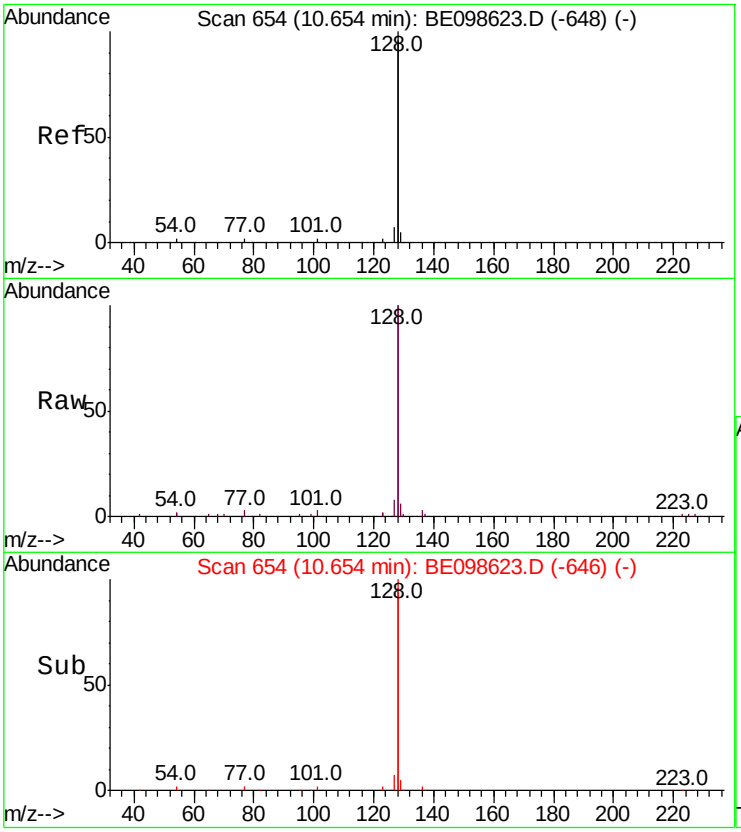


#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 8.97 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion: 82 Resp: 1633

Ion	Ratio	Lower	Upper
82	100		
128	120.6	96.5	144.7
54	280.9	224.7	337.1



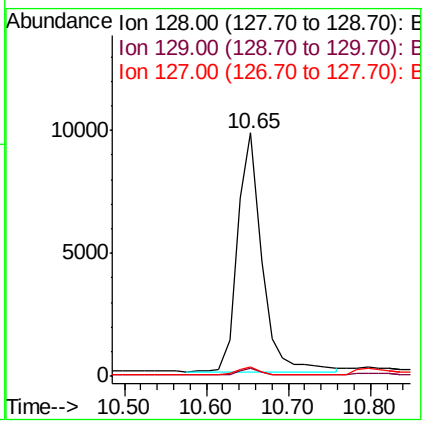


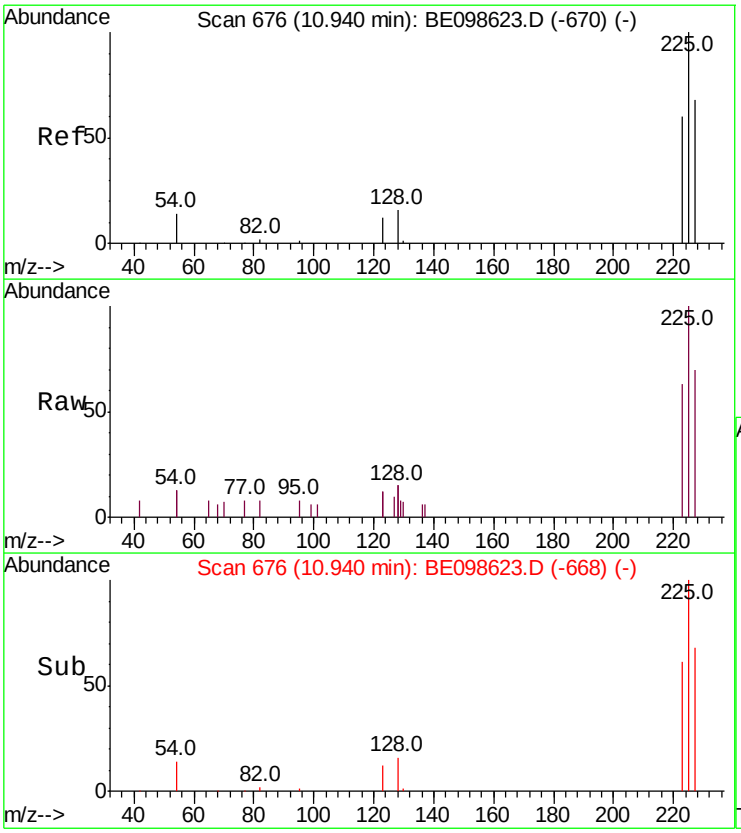
#9
Naphthalene
Concen: 0.372 ng
RT: 10.65 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 19933

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.8	3.0	4.6

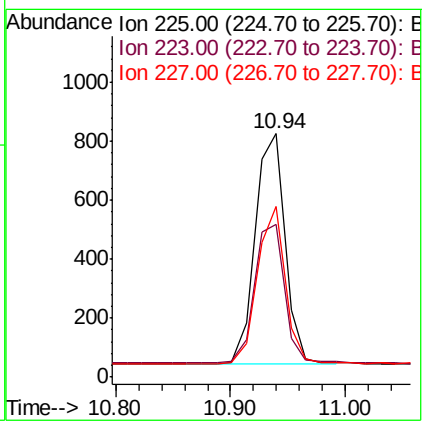


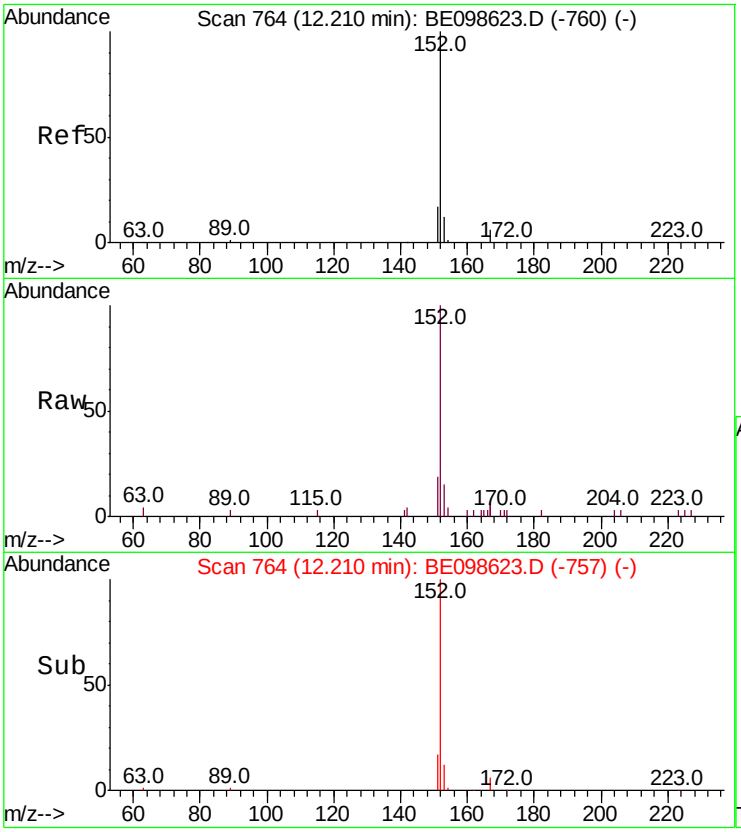


#10
Hexachlorobutadiene
Concen: 0.421 ng
RT: 10.94 min Scan# 676
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:225 Resp: 1437

Ion	Ratio	Lower	Upper
225	100		
223	59.6	47.8	71.8
227	62.8	50.5	75.7



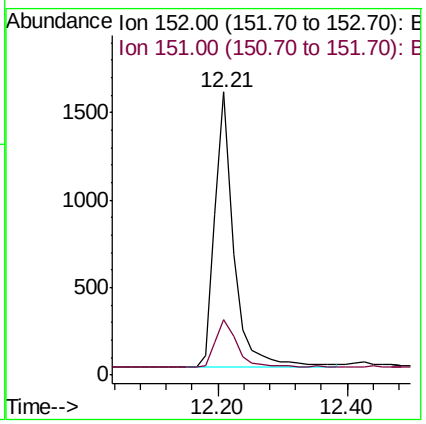


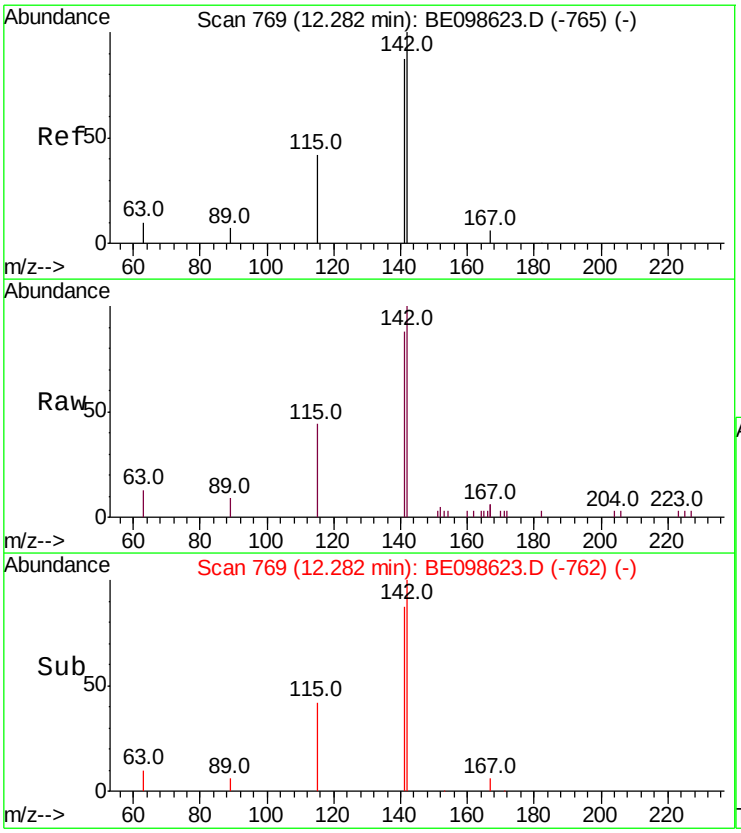
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 12.21 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3233

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

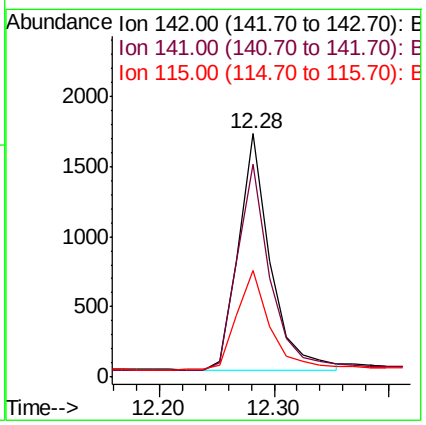


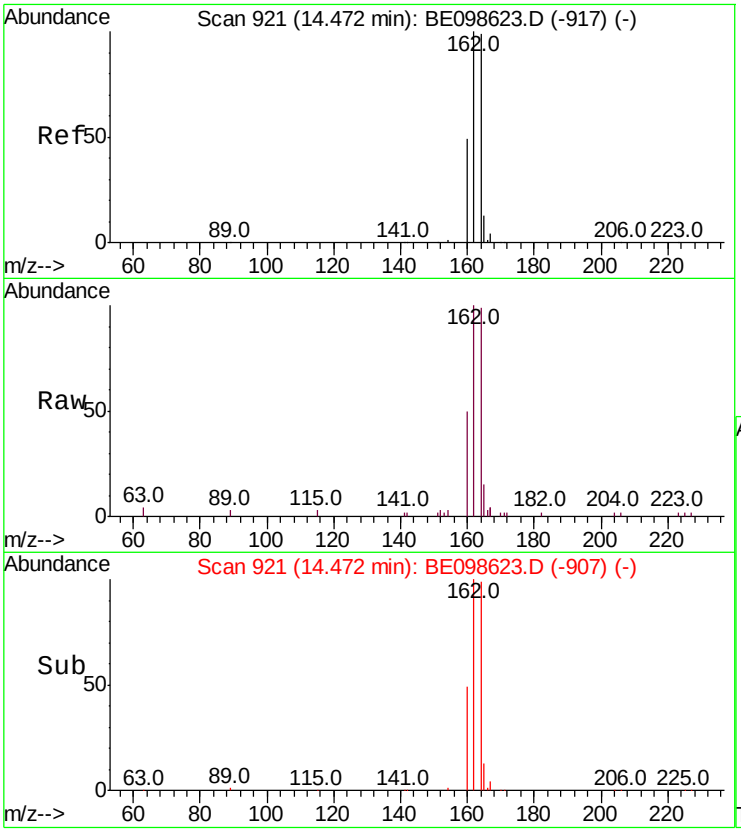


#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 12.28 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:142 Resp: 3236

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.0	105.0
115	44.0	35.2	52.8



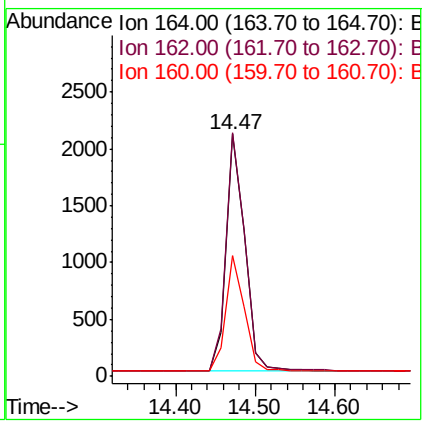


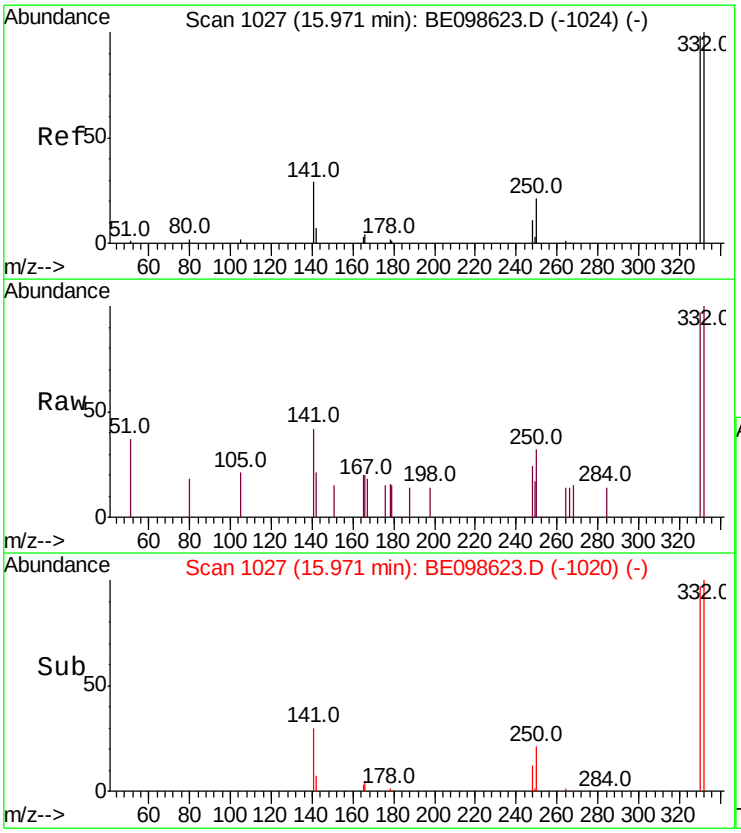
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 3389

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.5	120.7
160	50.1	40.1	60.1

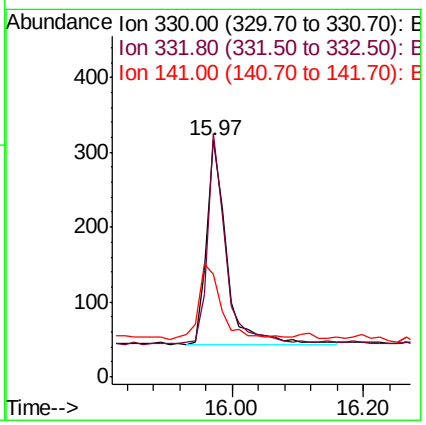


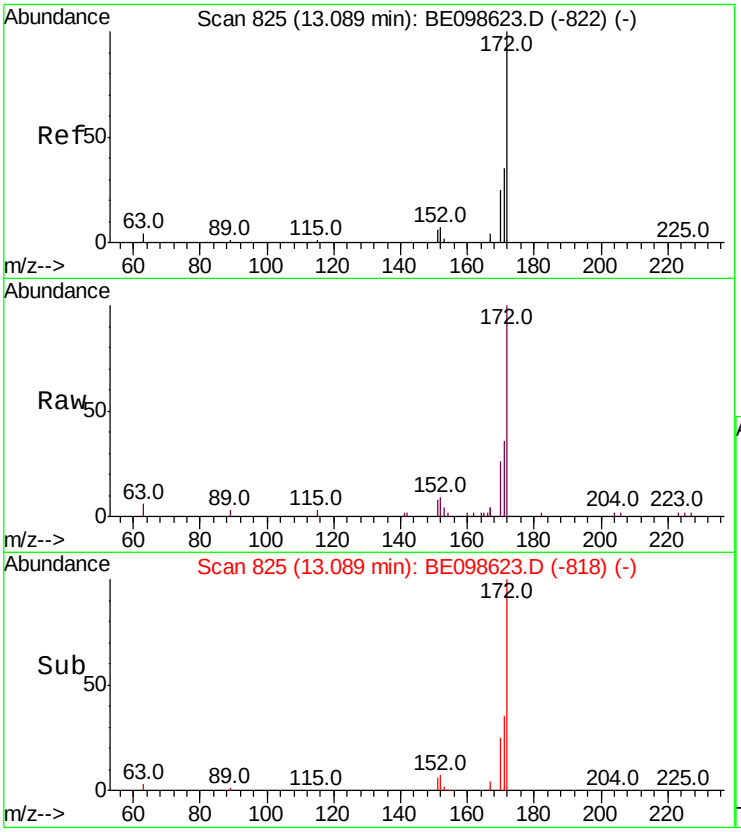


#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 15.97 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:330 Resp: 582

Ion	Ratio	Lower	Upper
330	100		
332	91.6	73.3	109.9
141	41.4	33.1	49.7



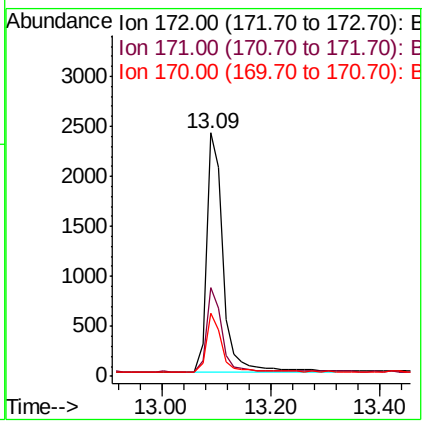


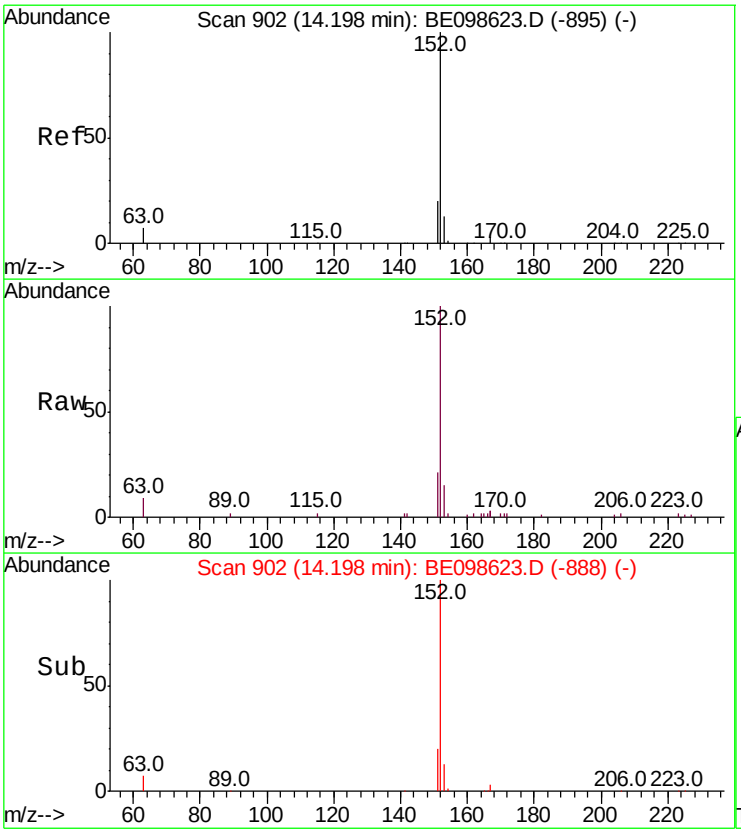
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.09 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 5065

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	26.0	20.8	31.2

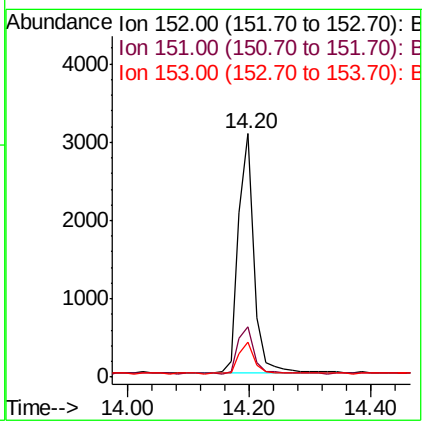


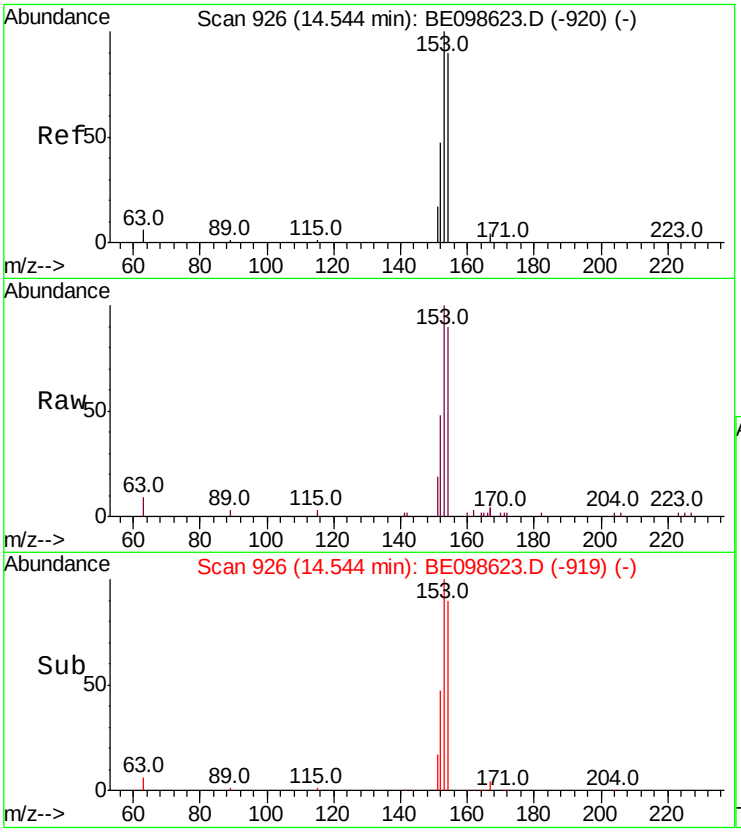


#16
Acenaphthylene
Concen: 0.346 ng
RT: 14.20 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:152 Resp: 5487

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.4	10.7	16.1



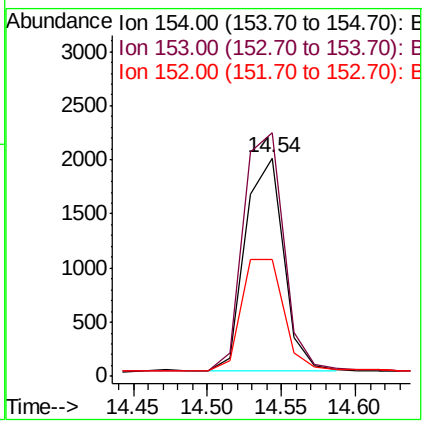


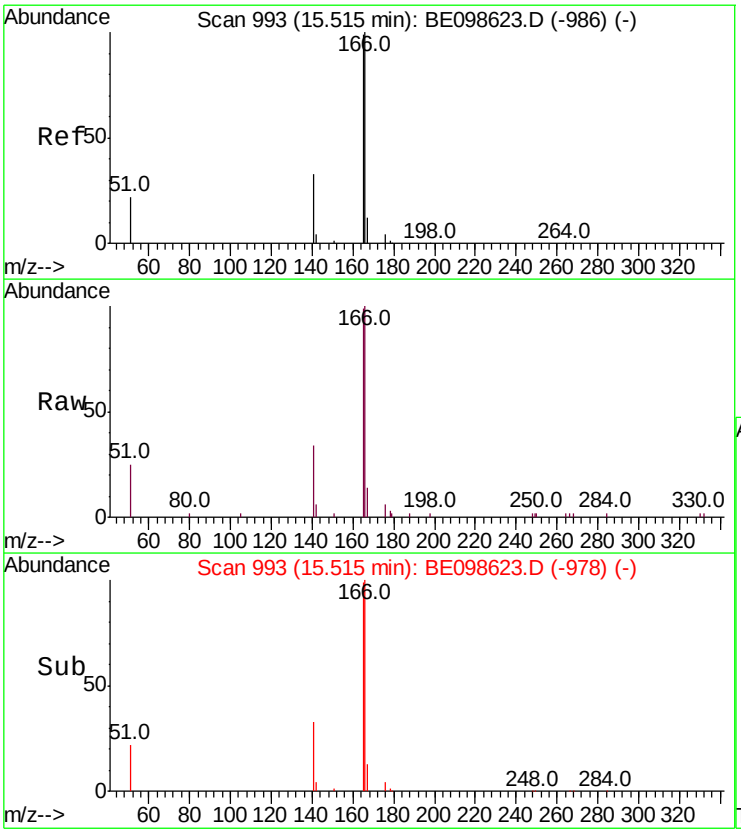
#17
Acenaphthene
Concen: 0.372 ng
RT: 14.54 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 3544

Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.9	140.9
152	57.8	45.8	68.8

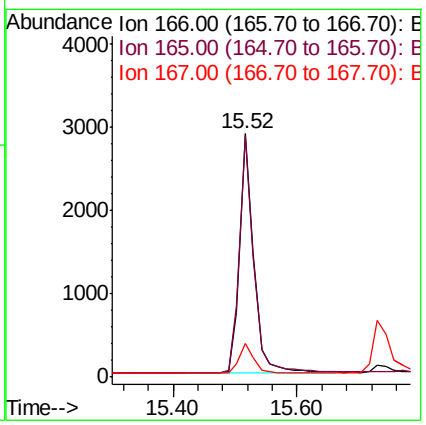


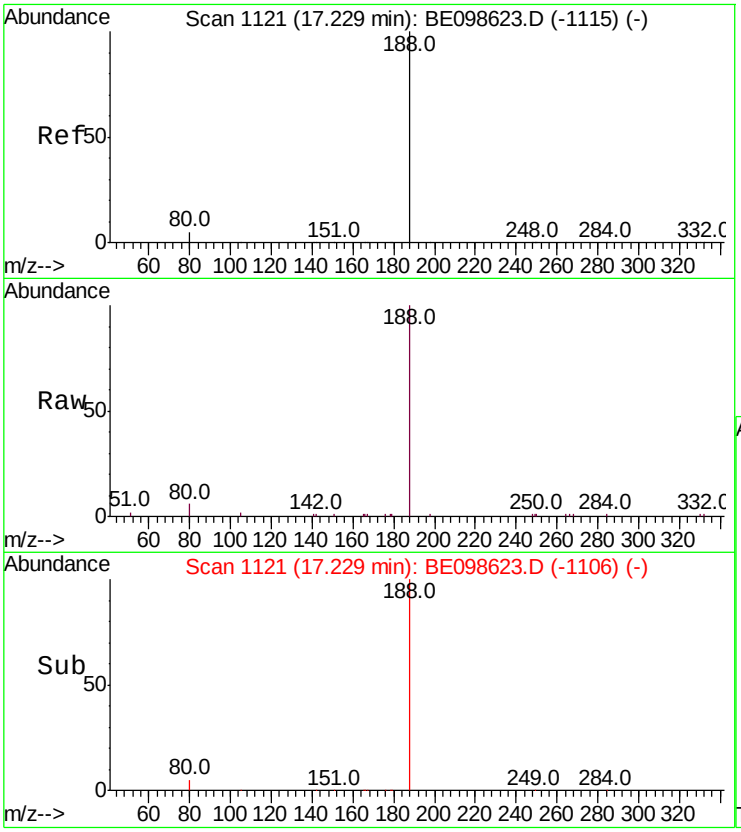


#18
Fluorene
Concen: 0.362 ng
RT: 15.52 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:166 Resp: 4622

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.3	118.9
167	13.2	10.6	15.8



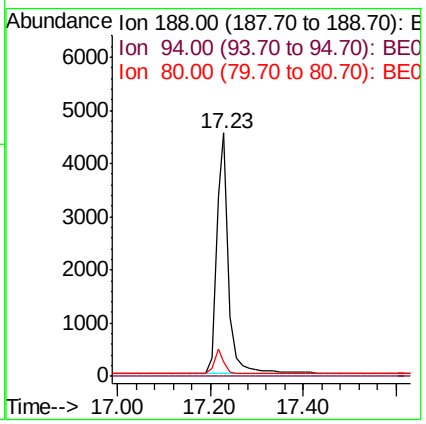


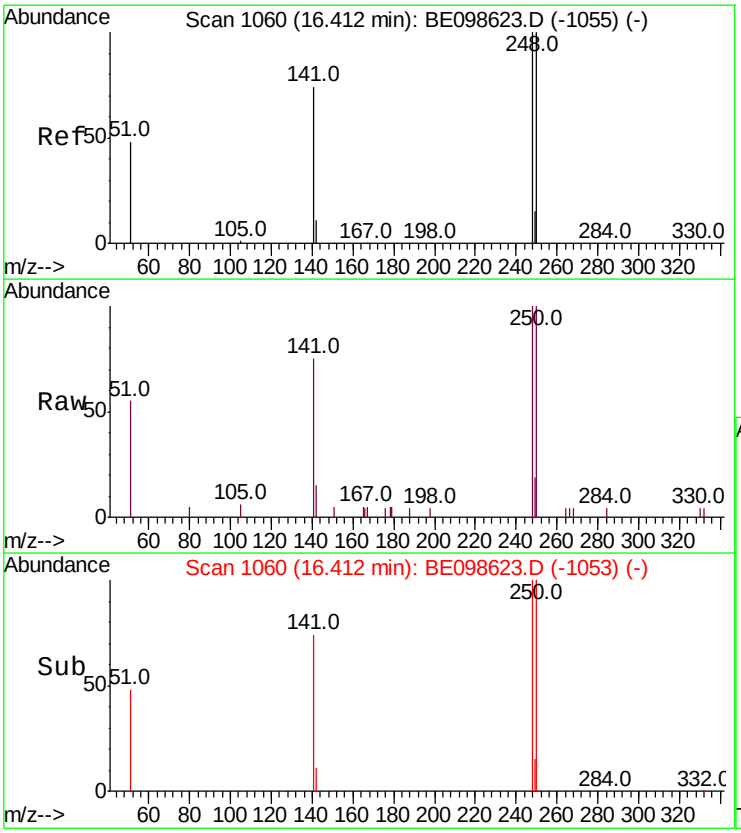
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 8269

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.7	7.1

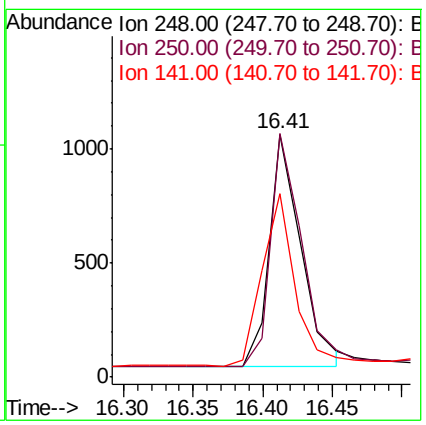


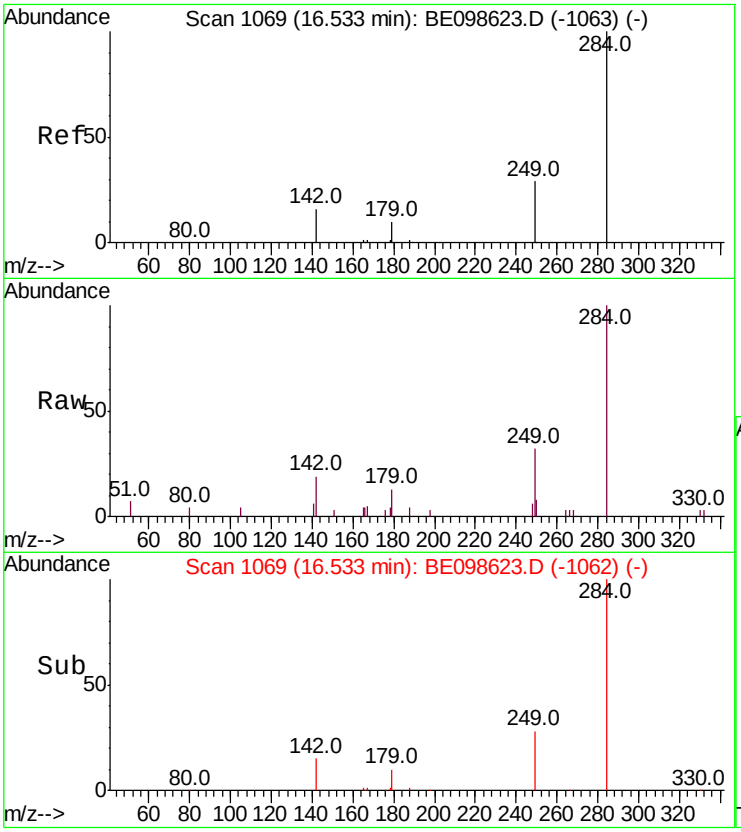


#20
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.41 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:248 Resp: 1617

Ion	Ratio	Lower	Upper
248	100		
250	100.3	80.2	120.4
141	75.6	60.5	90.7



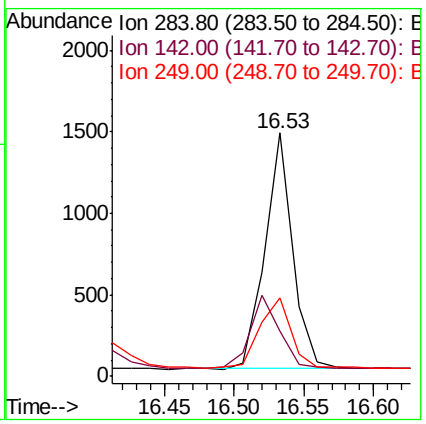


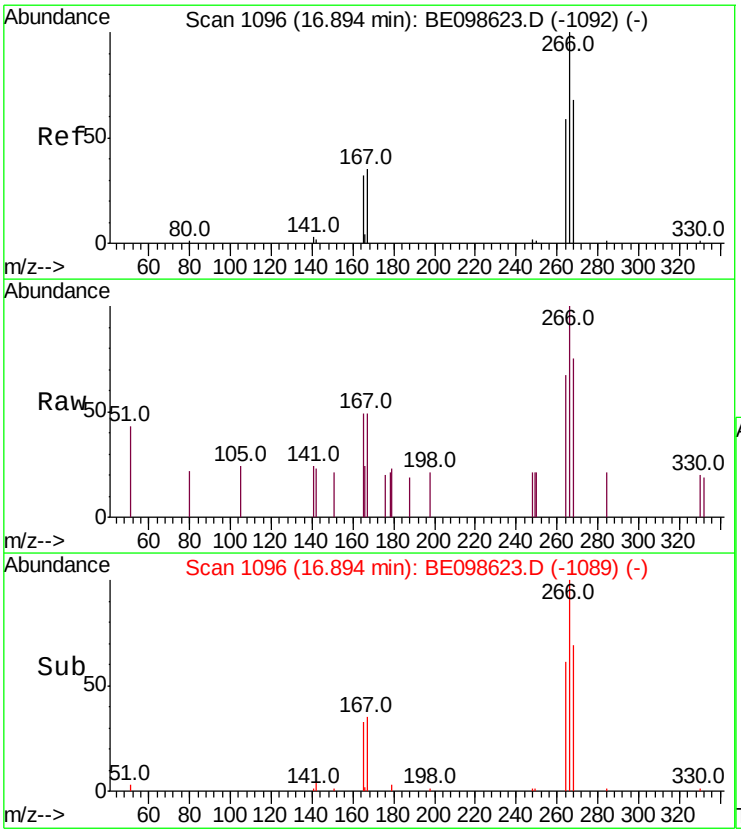
#21
Hexachlorobenzene
Concen: 0.421 ng
RT: 16.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 2016

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.5	38.3
249	33.3	26.6	39.8

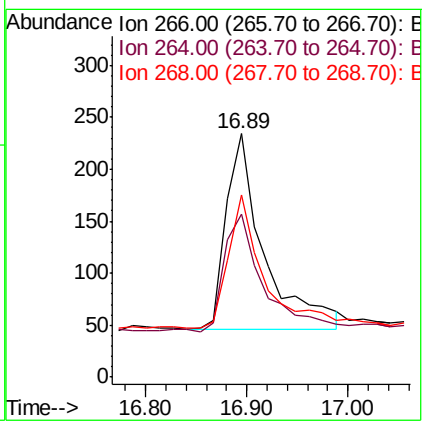


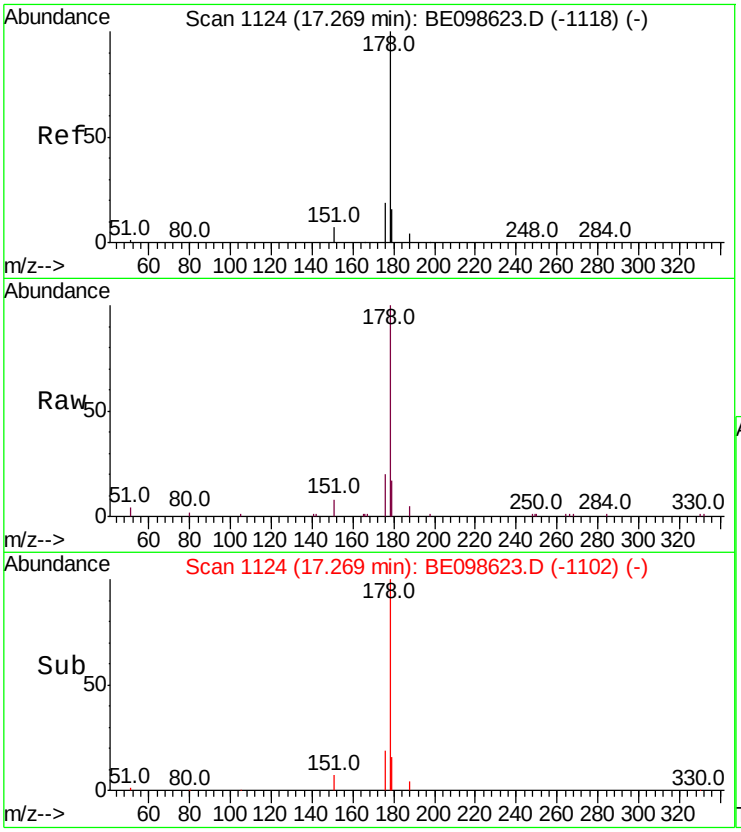


#22
Pentachlorophenol
Concen: 0.516 ng
RT: 16.89 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:266 Resp: 487

Ion	Ratio	Lower	Upper
266	100		
264	67.1	53.7	80.5
268	74.8	59.8	89.8



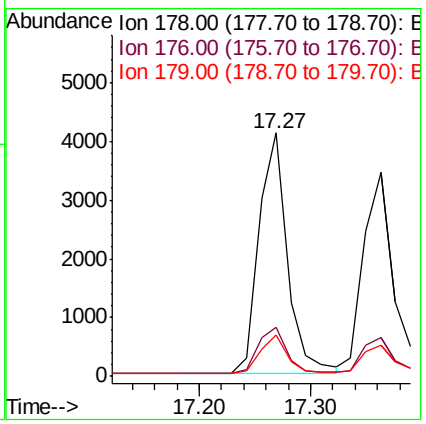


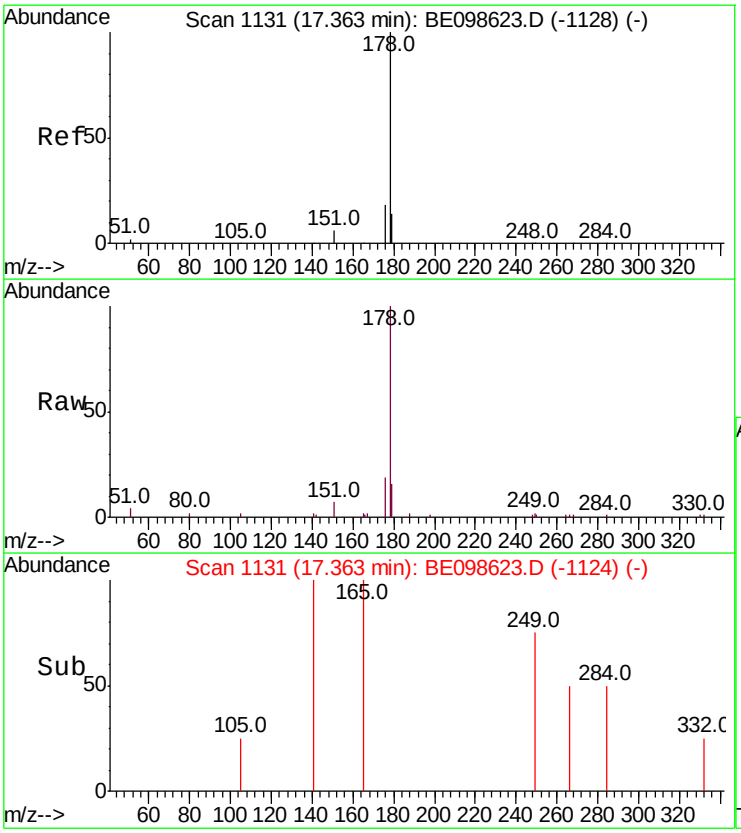
#23
Phenanthrene
Concen: 0.365 ng
RT: 17.27 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 7326

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.3	12.2	18.4

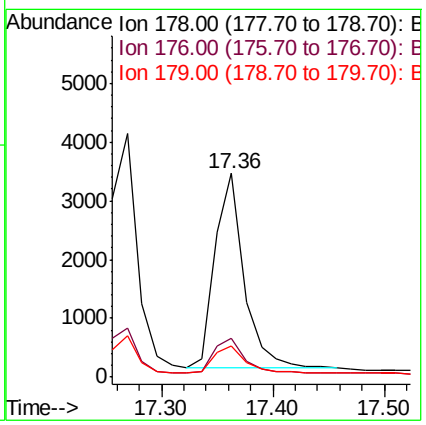


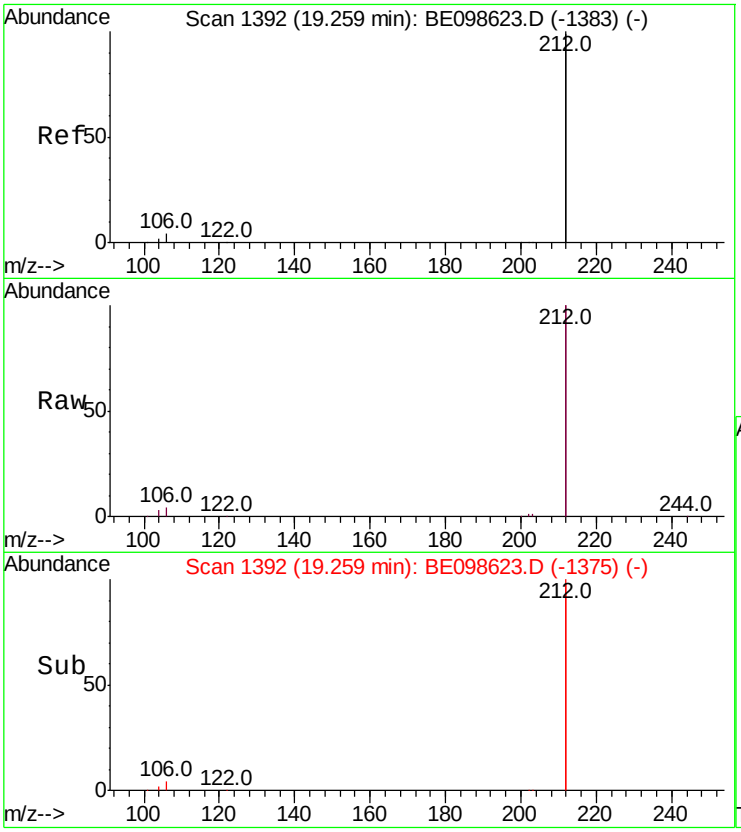


#24
Anthracene
Concen: 0.339 ng
RT: 17.36 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:178 Resp: 6067

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	14.8	11.8	17.8



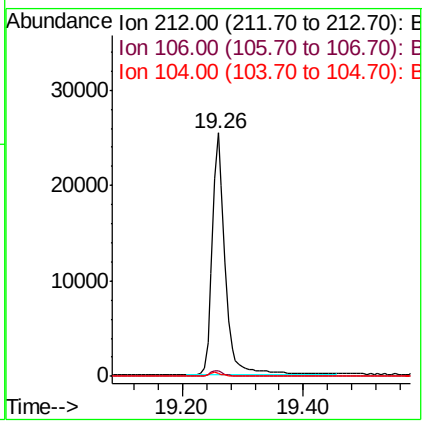


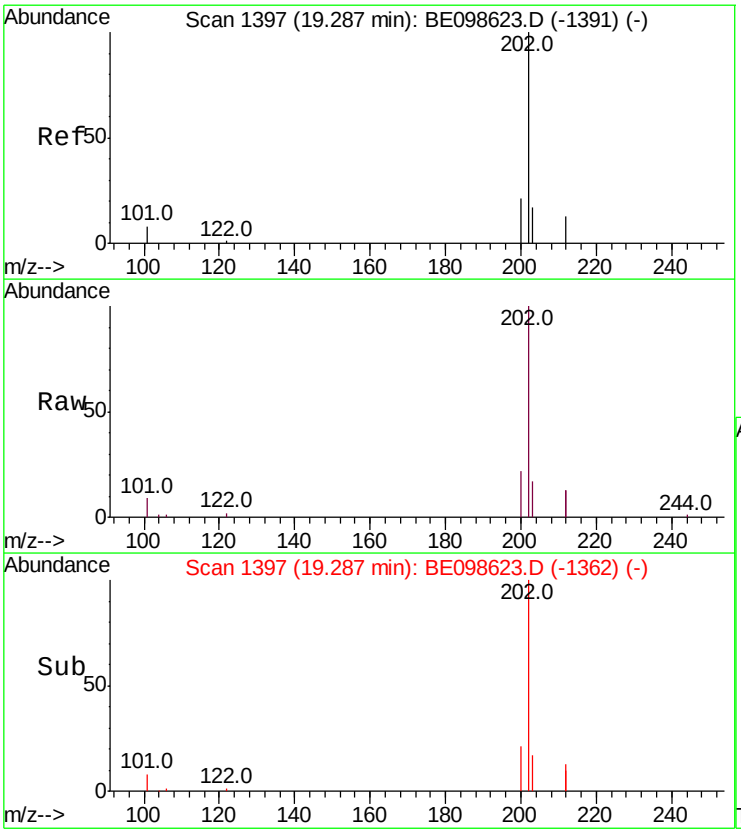
#25
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 37946

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.7	2.5
104	1.3	1.0	1.6

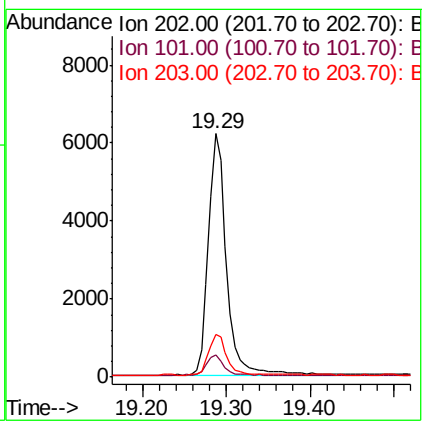


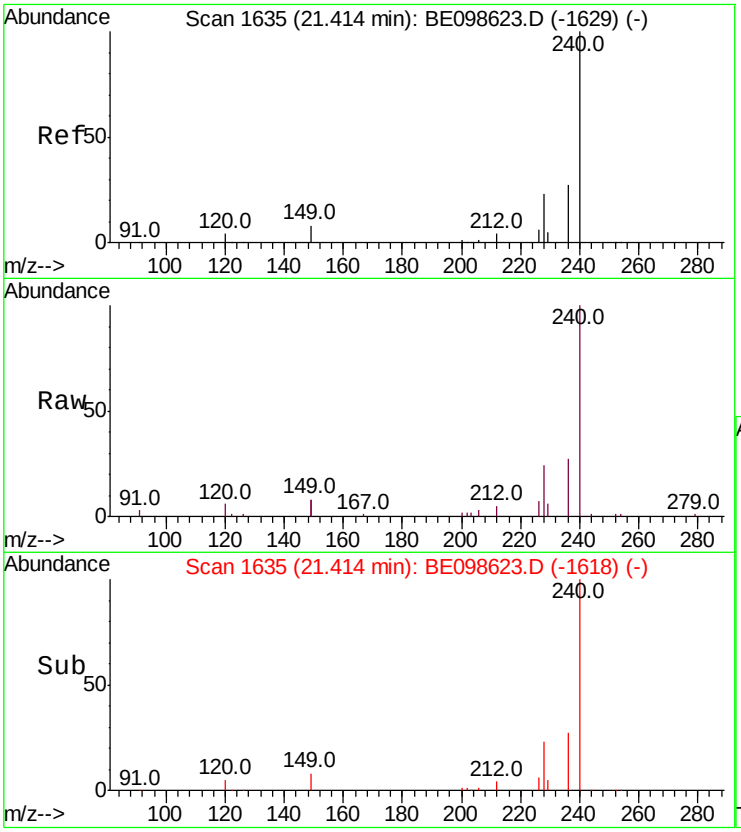


#26
Fluoranthene
Concen: 0.350 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:202 Resp: 9311

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.7	10.1
203	16.6	13.3	19.9



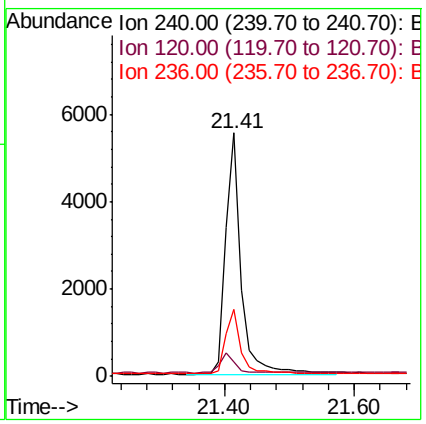


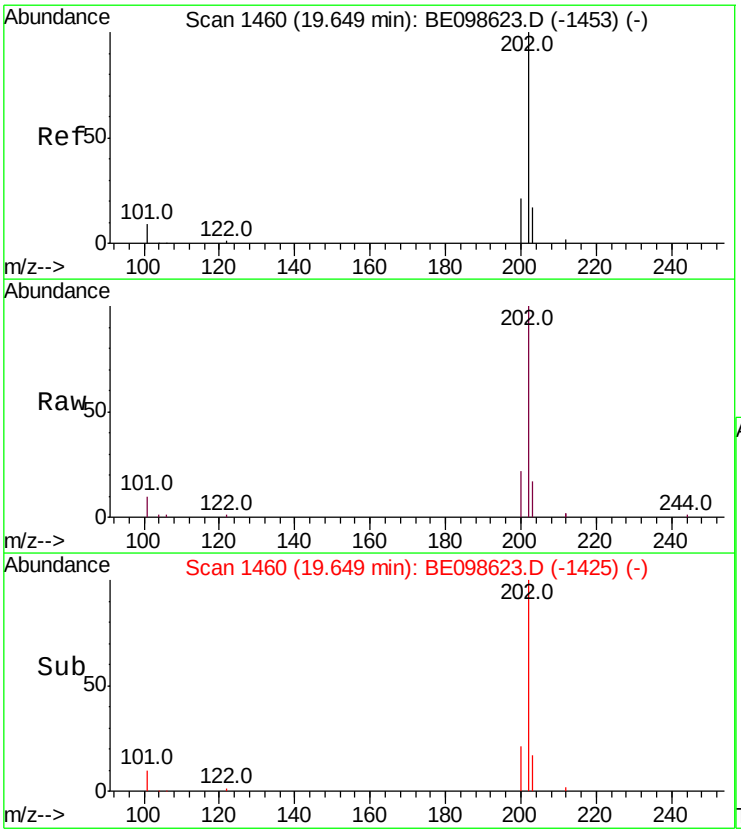
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 9345

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.7	7.1
236	27.4	21.9	32.9

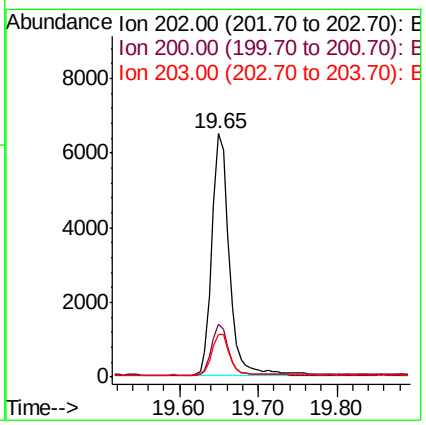


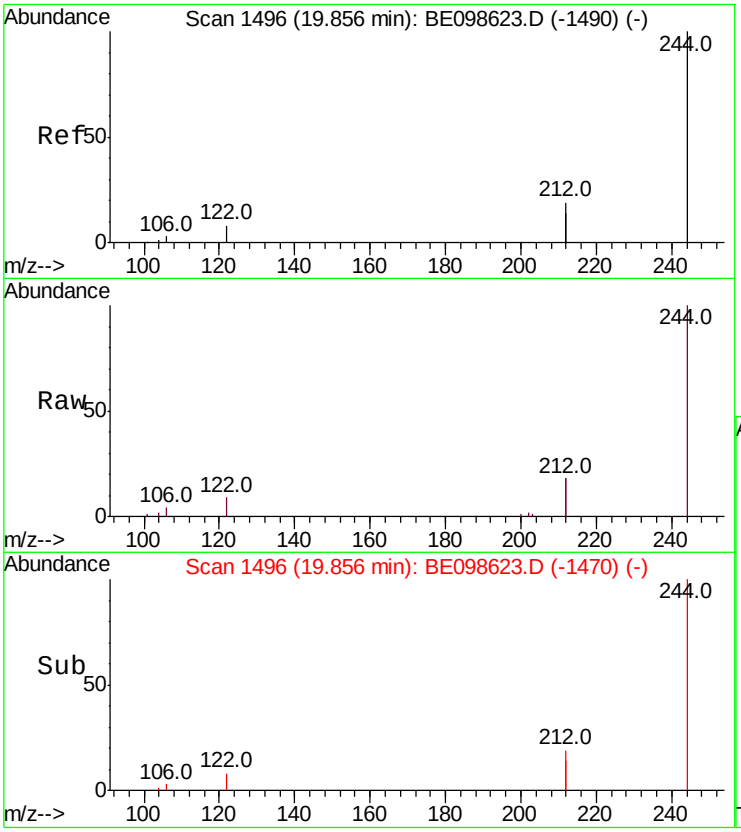


#28
Pyrene
Concen: 0.334 ng
RT: 19.65 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:202 Resp: 9792

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.3	13.8	20.8



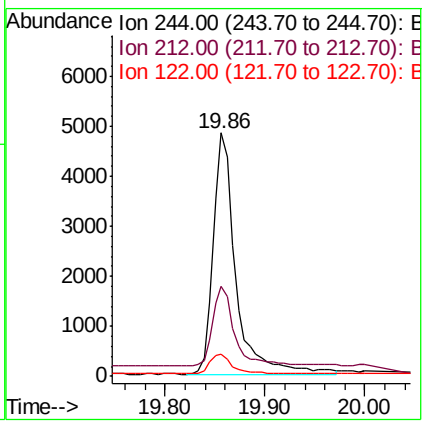


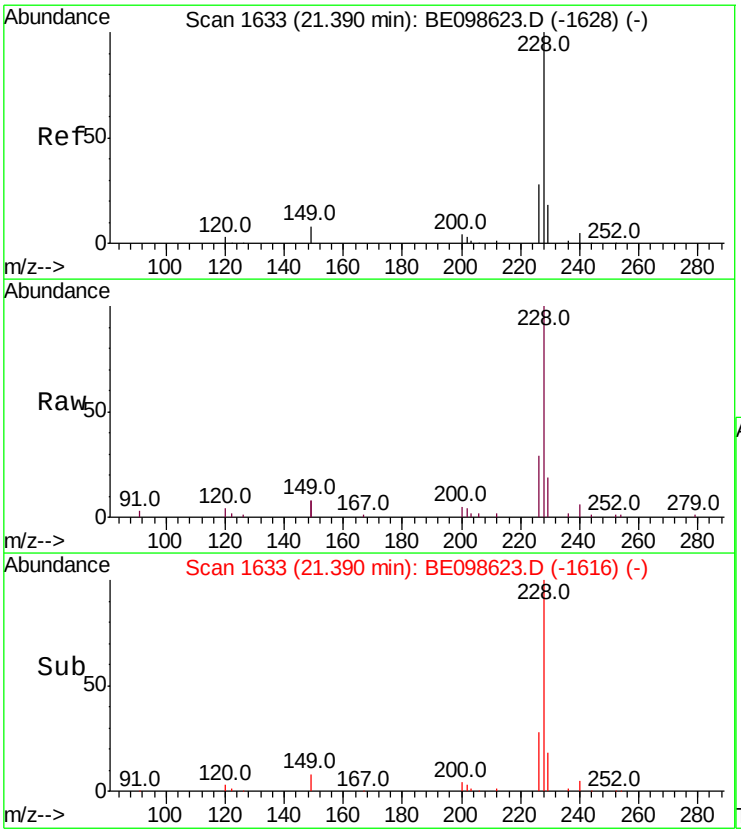
#29
Terphenyl-d14
Concen: 0.333 ng
RT: 19.86 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 7564

Ion	Ratio	Lower	Upper
244	100		
212	36.8	29.4	44.2
122	8.9	7.1	10.7

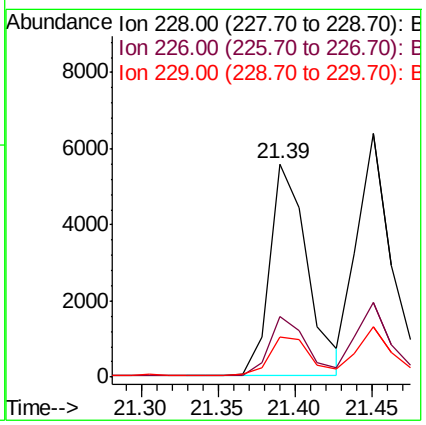


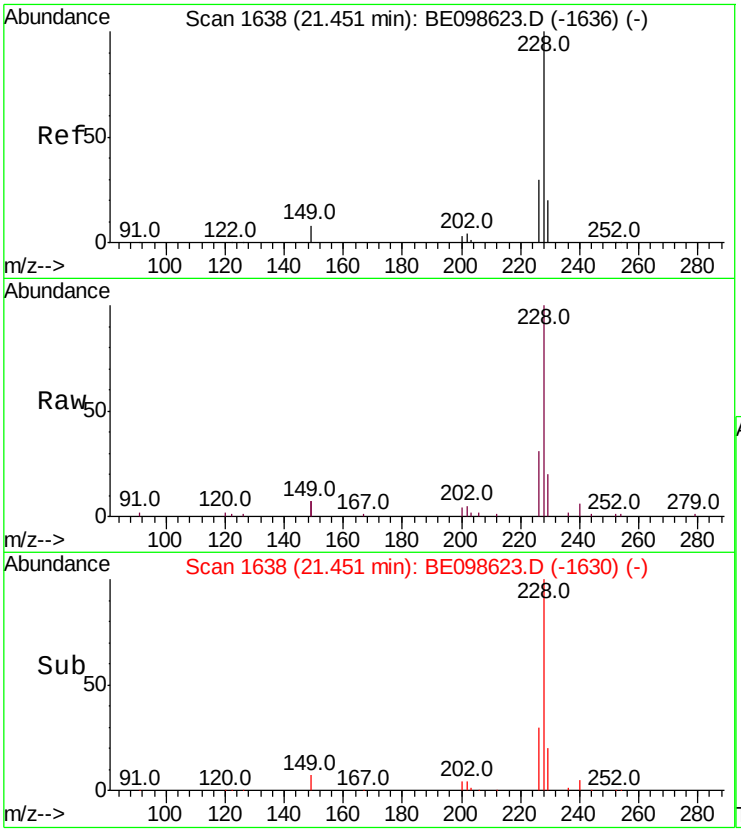


#30
Benzo(a)anthracene
Concen: 0.354 ng
RT: 21.39 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:228 Resp: 9418

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.4
229	18.8	15.0	22.6



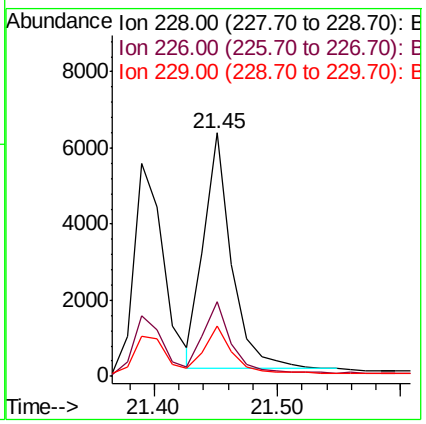


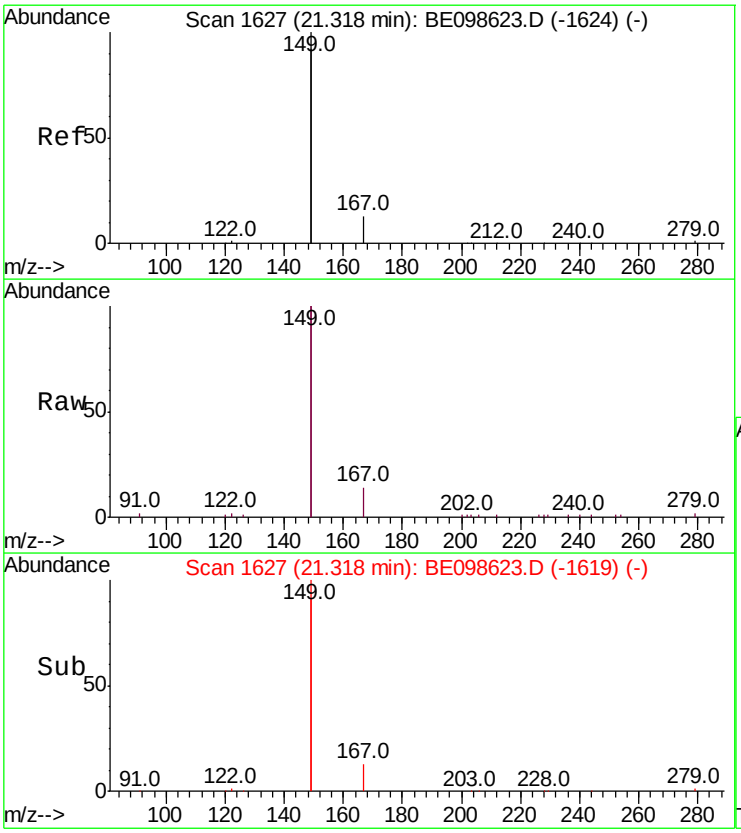
#31
Chrysene
Concen: 0.351 ng
RT: 21.45 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 9781

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	20.5	16.4	24.6

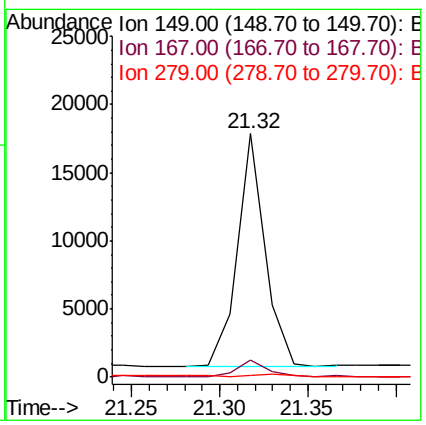


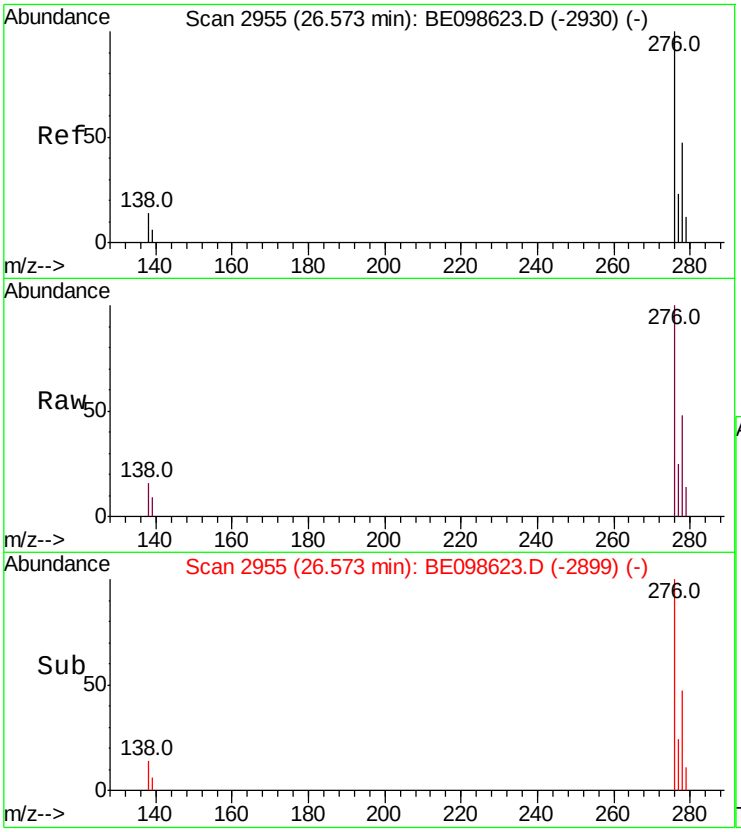


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.32 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:149 Resp: 18829

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.2
279	1.2	1.0	1.4



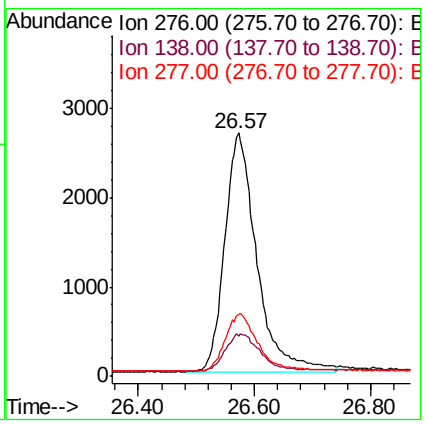


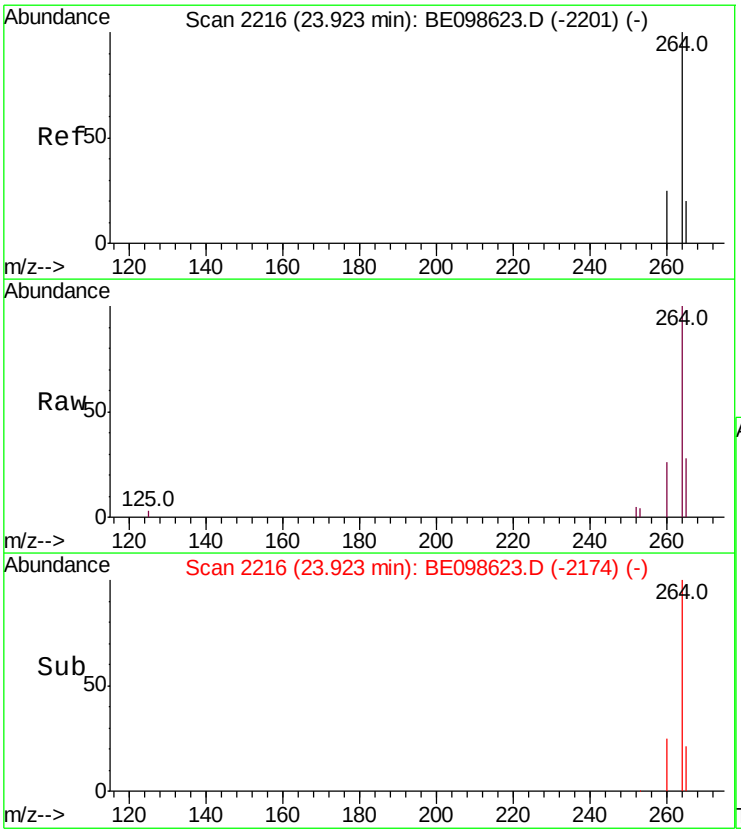
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.371 ng
RT: 26.57 min Scan# 2955
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 10288

Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.3	19.9
277	24.2	19.4	29.0

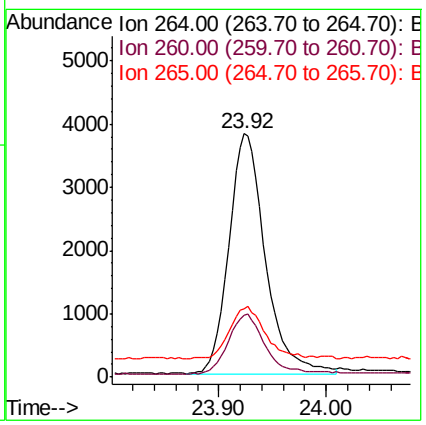


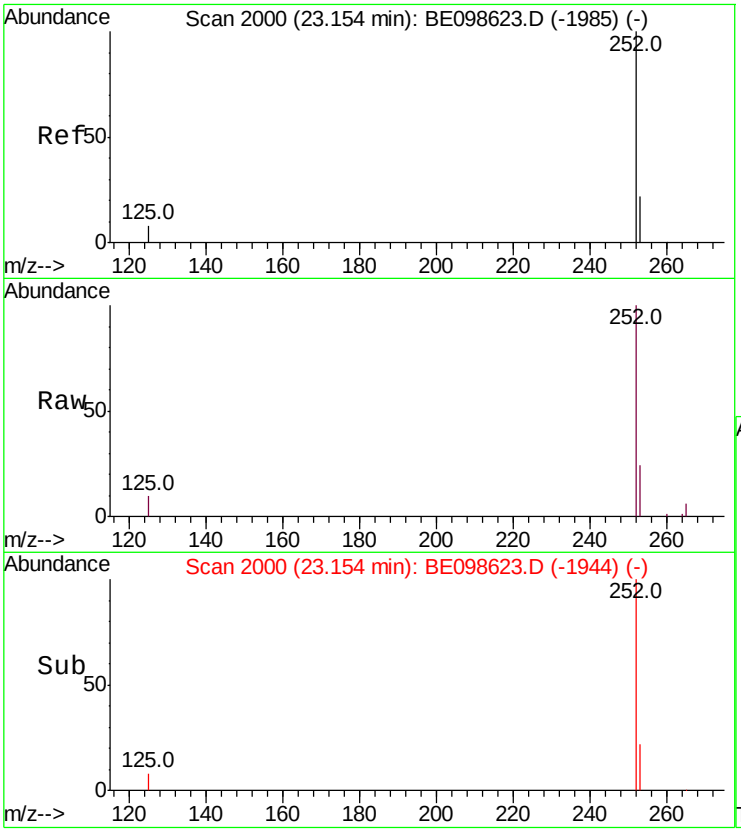


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:264 Resp: 8872

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	27.9	22.3	33.5



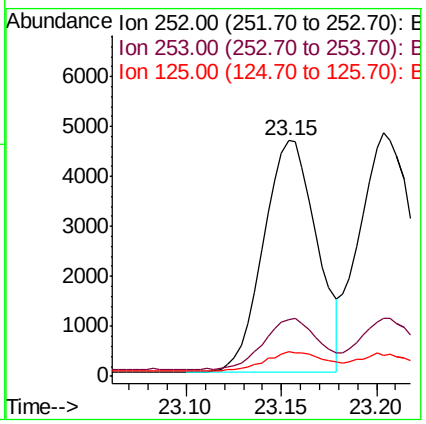


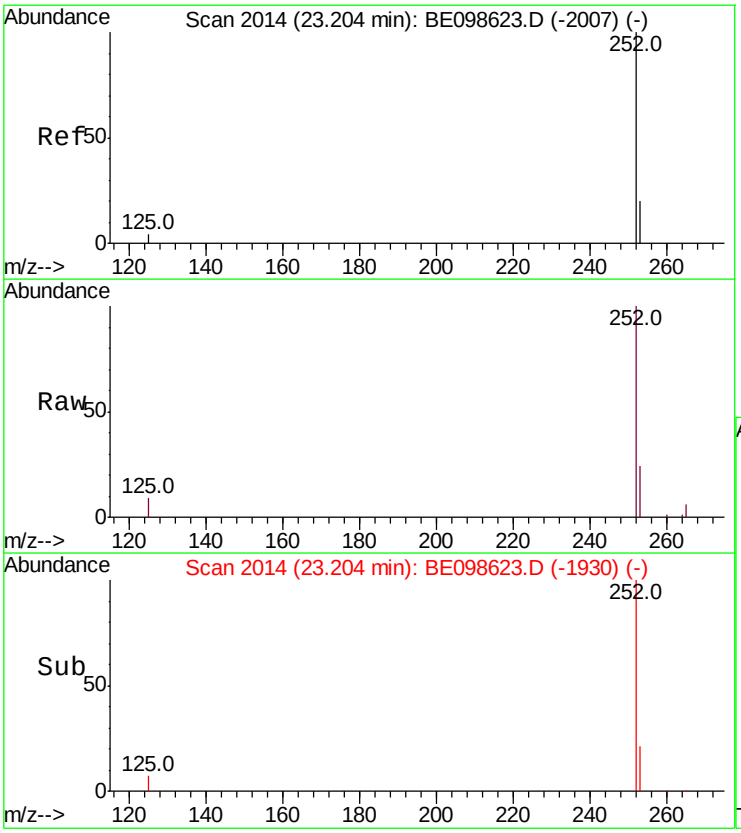
#35
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 23.15 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 9045

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	10.3	8.2	12.4

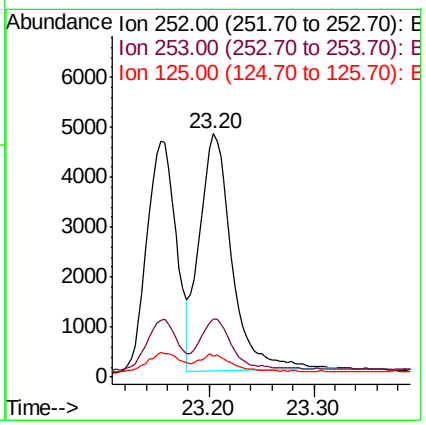


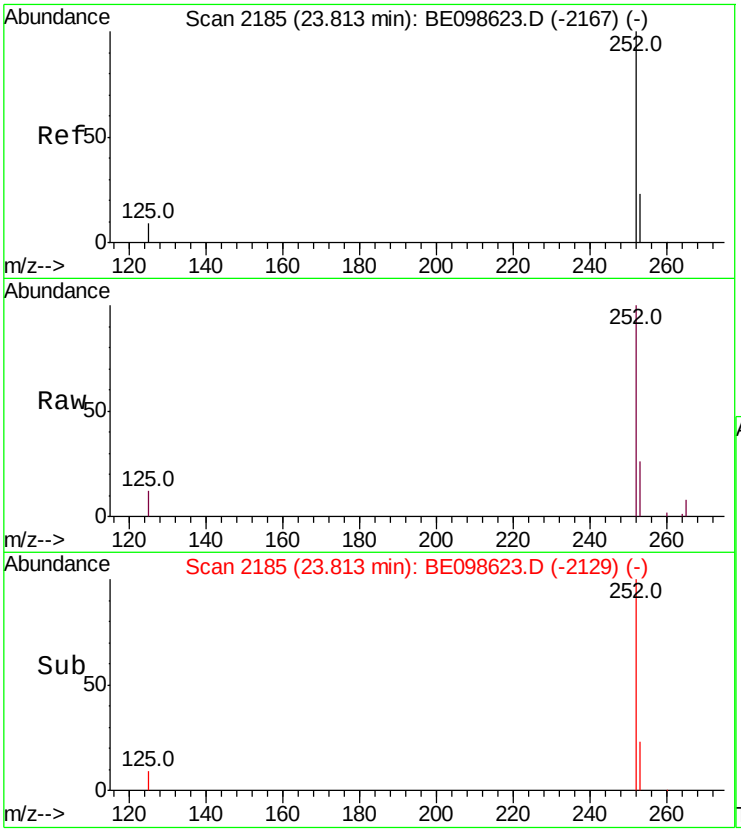


#36
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.20 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:252 Resp: 10251

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	8.7	7.0	10.4



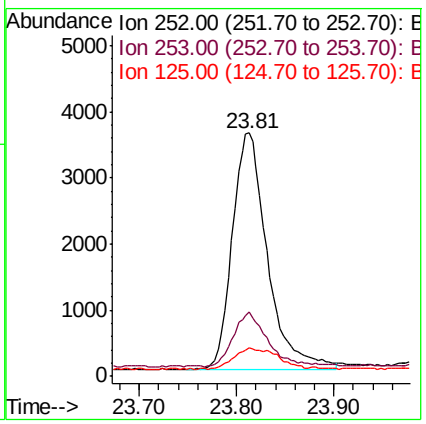


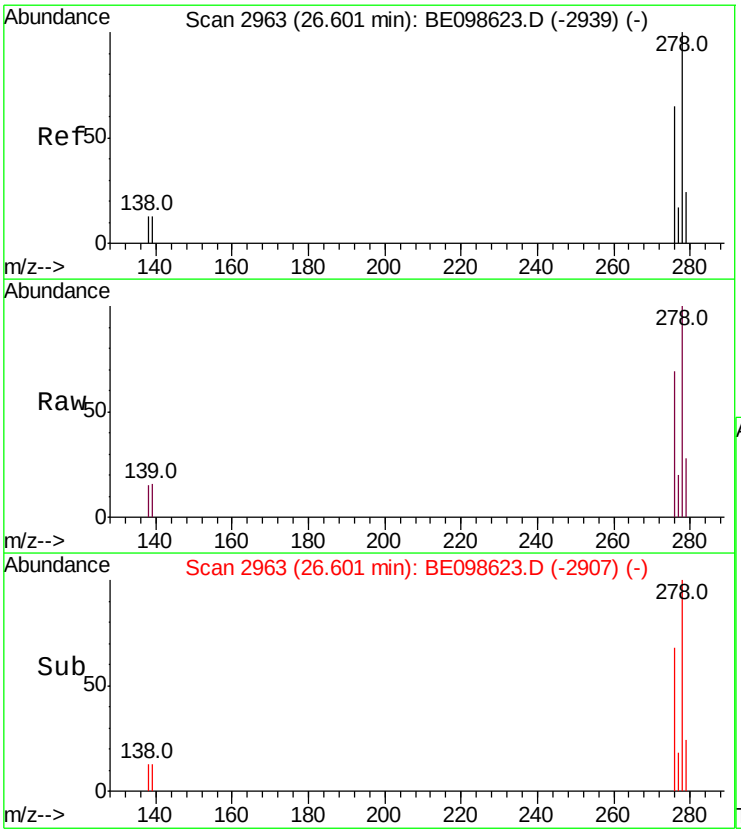
#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.81 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 9006

Ion	Ratio	Lower	Upper
252	100		
253	26.2	21.0	31.4
125	11.5	9.2	13.8

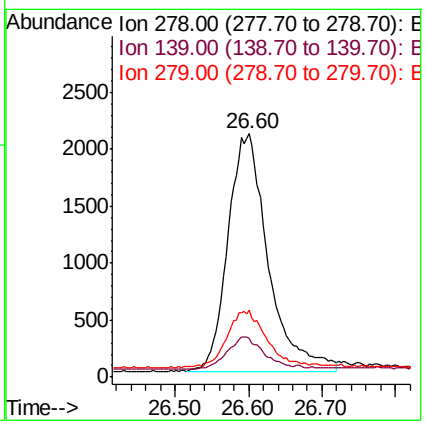


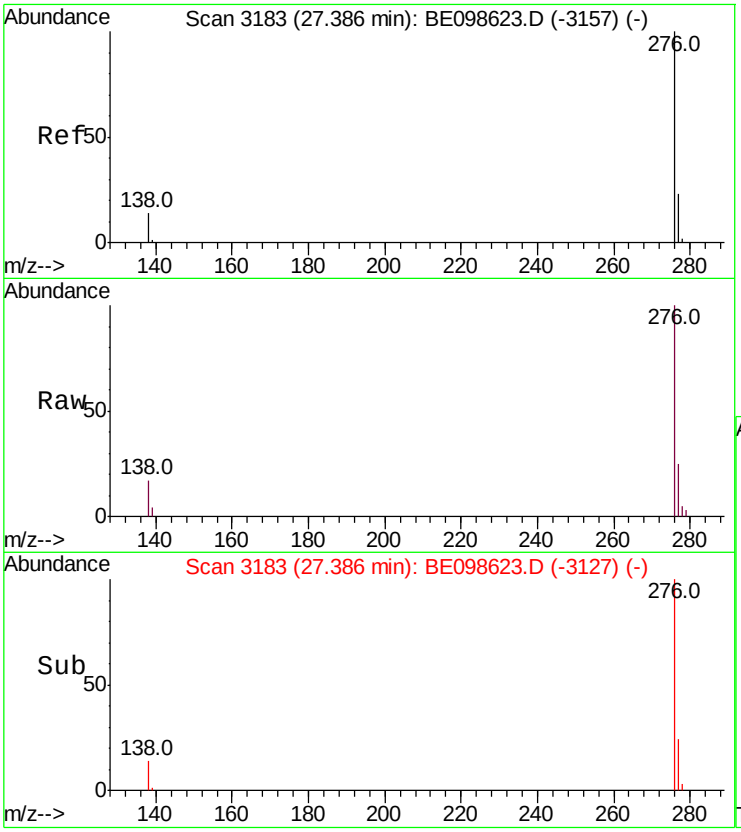


#38
Dibenzo(a,h)anthracene
Concen: 0.336 ng
RT: 26.60 min Scan# 2963
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Tgt Ion:278 Resp: 7917

Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.7	19.1
279	27.5	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 27.39 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE098623.D
Acq: 15 Jan 2019 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 8905

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.3	30.5
138	16.6	13.3	19.9