Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111419\
Data File : BE100721.D
Acq On : 14 Nov 2019 15:10
Operator : JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Nov 15 15:55:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 14 16:59:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1737	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	7361	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	4697	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	11431	0.40	ng	0.00
27) Chrysene-d12	21.29	240	14808	0.40	ng	0.00
34) Perylene-d12	23.73	264	16897	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2037	0.38	ng	0.00
5) Phenol-d6	6.94	99	2839	0.38	ng	0.00
8) Nitrobenzene-d5	8.91	82	2385	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	4816	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	142	0.11	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	7162	0.42	ng	0.00
25) Fluoranthene-d10	19.16	212	59460	0.40	ng	0.00
29) Terphenyl-d14	19.75	244	14234	0.44	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.28	88	1164	0.376	ng	100
3) n-Nitrosodimethylamine	3.59	42	1148	0.350	ng	100
6) bis(2-Chloroethyl)ether	7.20	93	2557	0.412	ng	100
9) Naphthalene	10.60	128	31060	0.401	ng	100
10) Hexachlorobutadiene	10.90	225	1405	0.418	ng	100
12) 2-Methylnaphthalene	12.22	142	5167	0.392	ng	100
16) Acenaphthylene	14.12	152	7409	0.367	ng	100
17) Acenaphthene	14.47	154	4997	0.383	ng	100
18) Fluorene	15.43	166	6828	0.394	ng	100
20) 4-Bromophenyl-phenylether	16.33	248	2395	0.412	ng	100
21) Hexachlorobenzene	16.45	284	2309	0.417	ng	100
23) Phenanthrene	17.17	178	12421	0.395	ng	100
24) Anthracene	17.26	178	10629	0.364	ng	100
26) Fluoranthene	19.18	202	16109	0.393	ng	100
28) Pyrene	19.55	202	16514	0.399	ng	100
30) Benzo(a)anthracene	21.28	228	19194	0.397	ng	100
31) Chrysene	21.33	228	19720	0.409	ng	100
32) Bis(2-ethylhexyl)phthalate	21.22	149	30458	0.301	ng	100
33) Indeno(1,2,3-cd)pyrene	26.29	276	23277	0.392	ng	100
35) Benzo(b)fluoranthene	22.99	252	19906	0.404	ng	100
36) Benzo(k)fluoranthene	23.04	252	20706	0.409	ng	100
37) Benzo(a)pyrene	23.62	252	18568	0.405	ng	100
38) Dibenzo(a,h)anthracene	26.31	278	19276	0.407	ng	100
39) Benzo(g,h,i)perylene	27.08	276	19016	0.399	ng	100

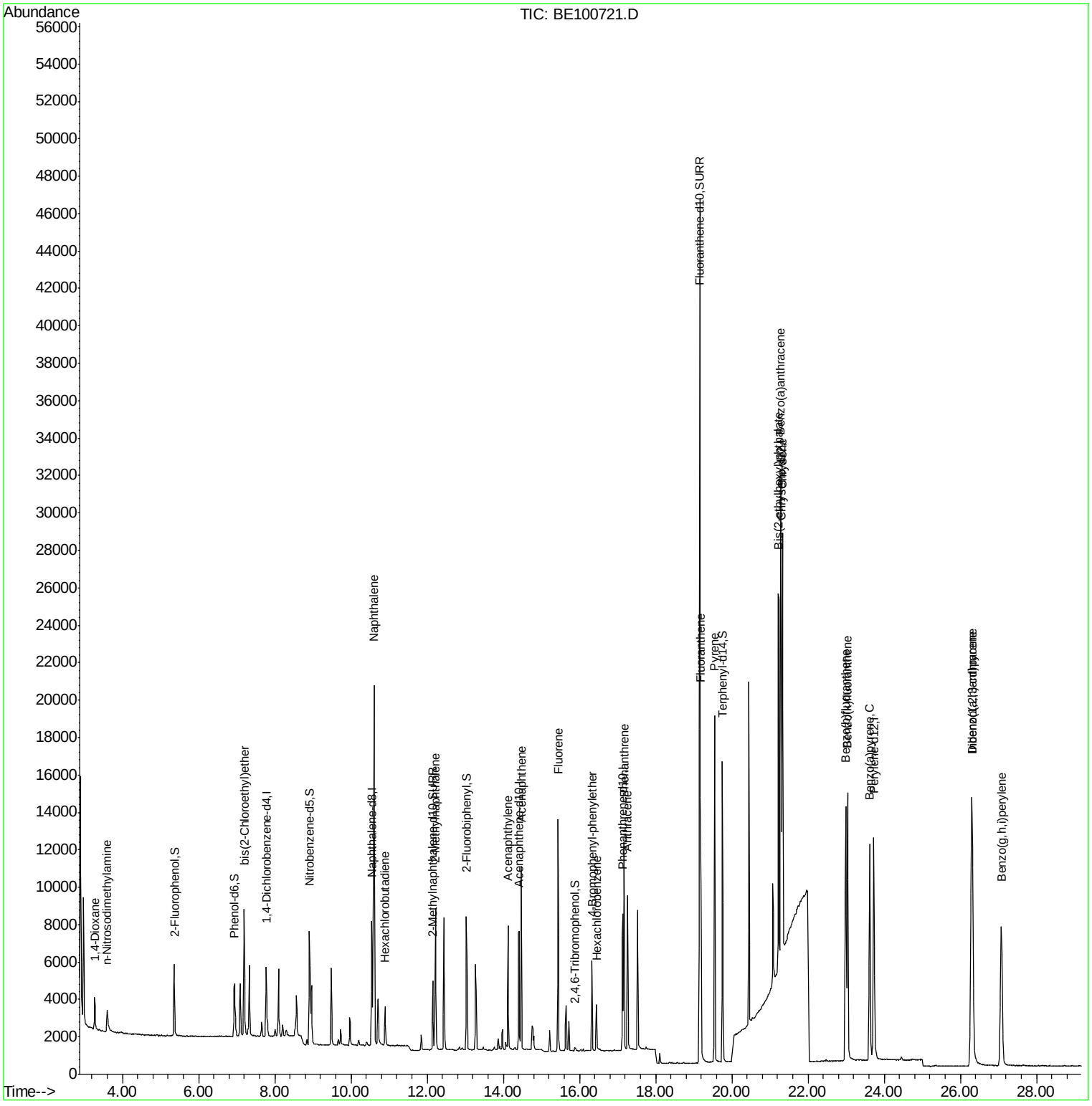
(#) = qualifier out of range (m) = manual integration (+) = signals summed

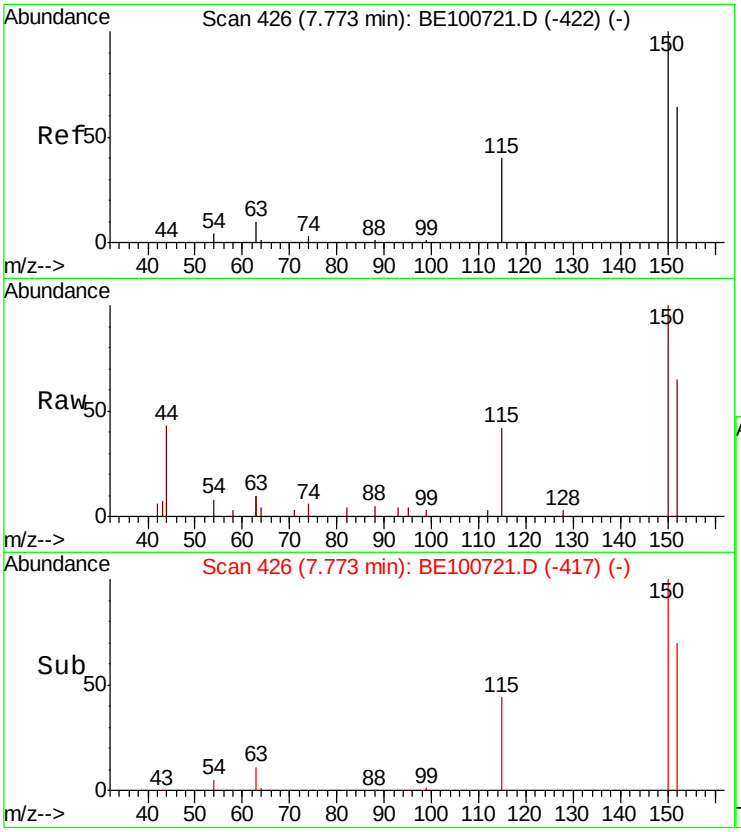
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111419\
Data File : BE100721.D
Acq On : 14 Nov 2019 15:10
Operator : JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 15 15:55:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 14 16:59:41 2019
Response via : Initial Calibration



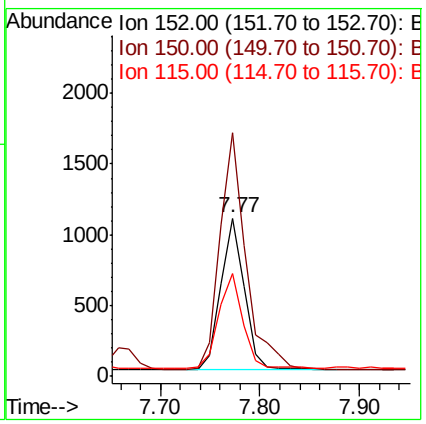


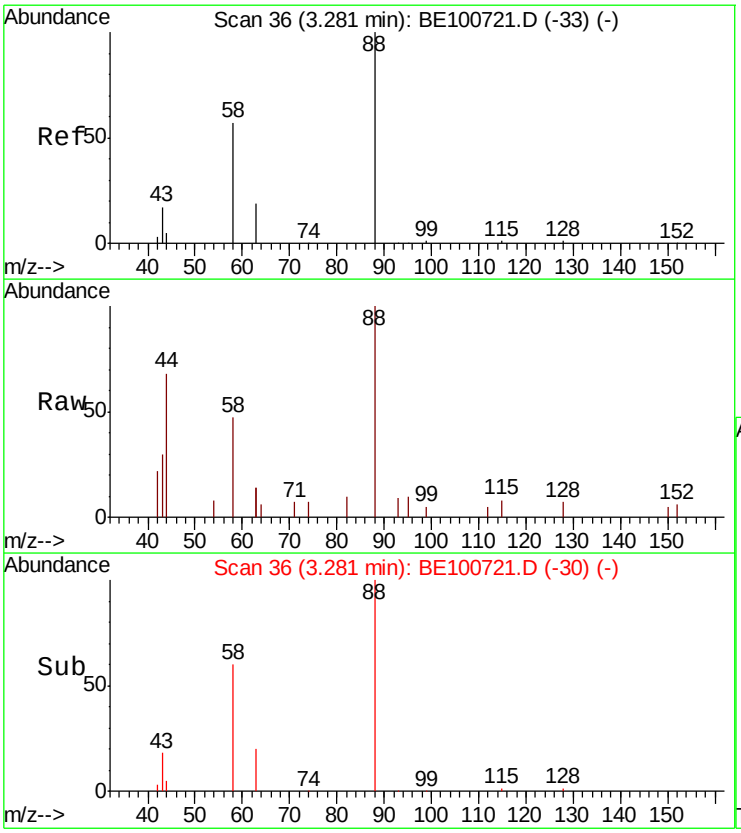
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1737

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.4	185.0
115	65.1	52.1	78.1

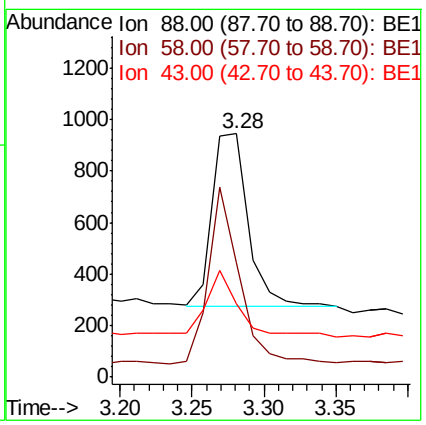


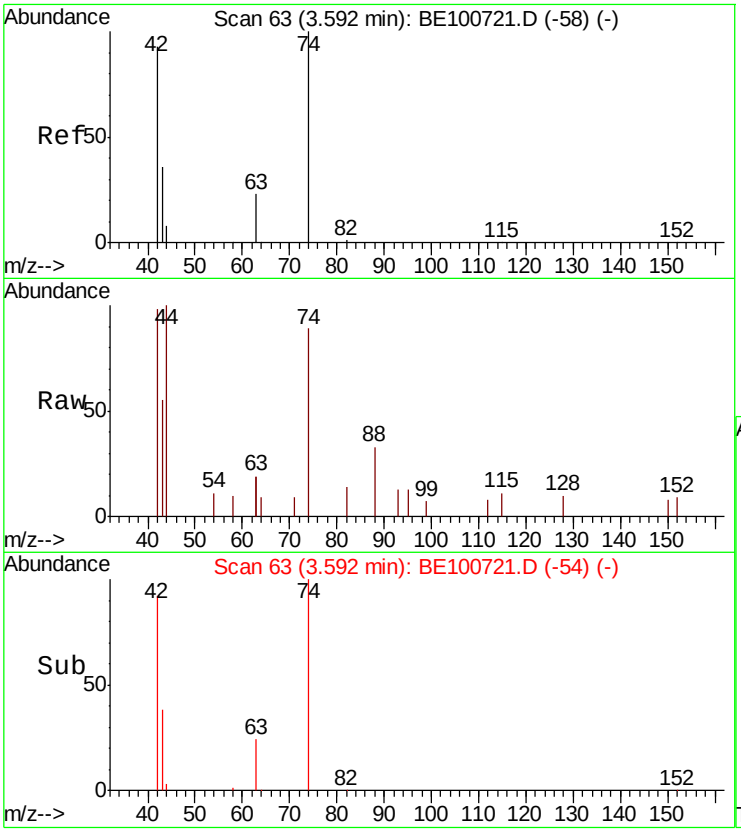


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion: 88 Resp: 1164

Ion	Ratio	Lower	Upper
88	100		
58	87.3	69.8	104.8
43	33.7	27.0	40.4



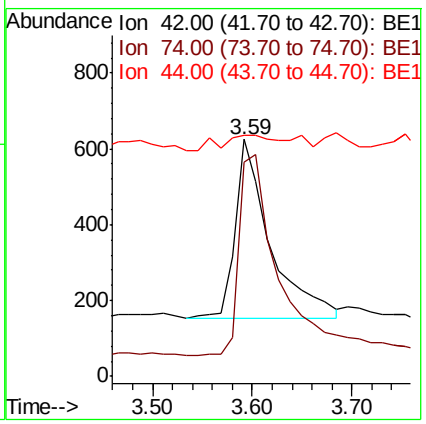


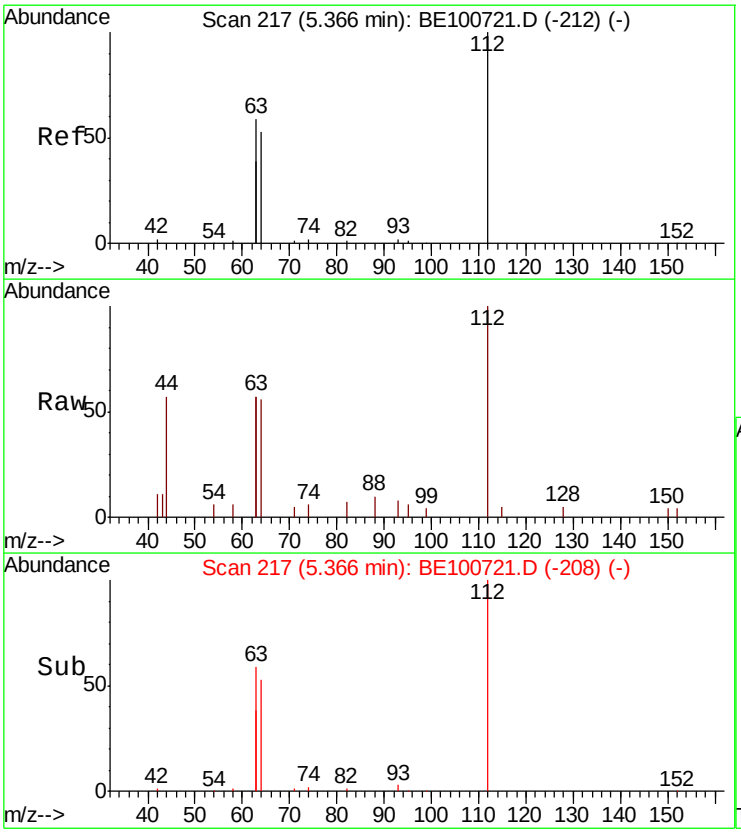
#3
n-Nitrosodimethylamine
Concen: 0.350 ng
RT: 3.59 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1148

Ion	Ratio	Lower	Upper
42	100		
74	124.6	99.7	149.5
44	14.8	11.8	17.8

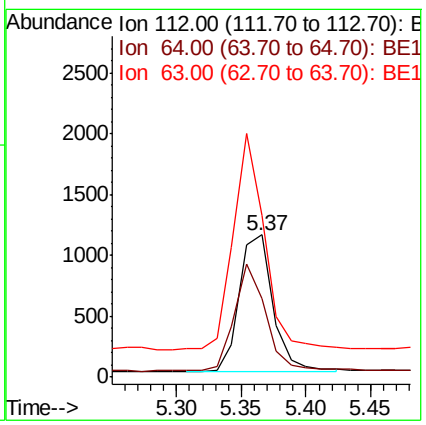


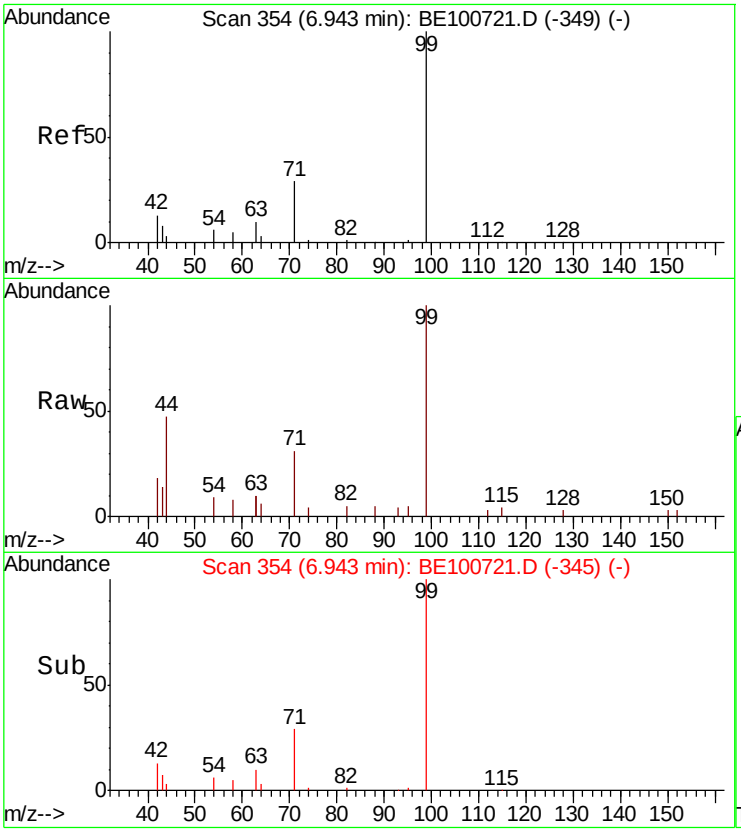


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.37 min Scan# 217
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:112 Resp: 2037

Ion	Ratio	Lower	Upper
112	100		
64	71.6	58.3	87.5
63	144.2	115.4	173.2



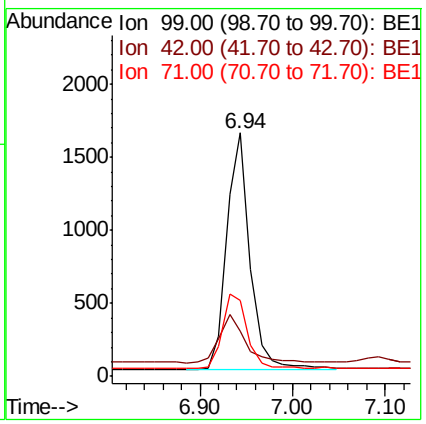


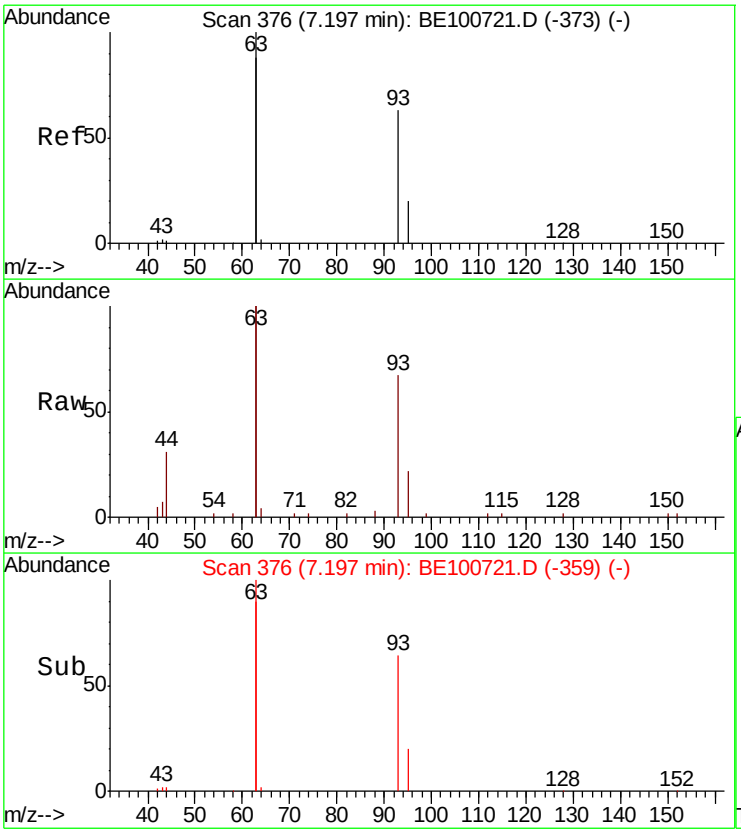
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.94 min Scan# 354
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2839

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.8	26.6
71	34.1	27.3	40.9

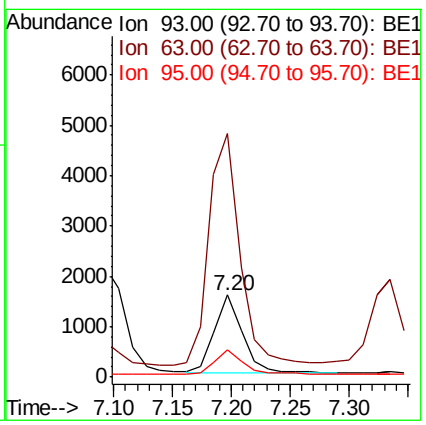


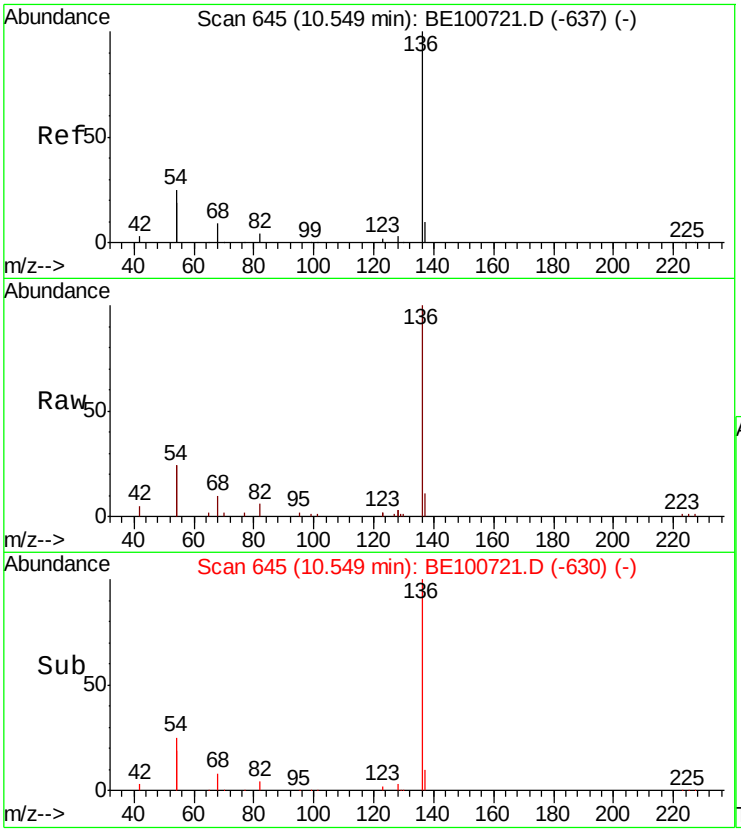


#6
bis(2-Chloroethyl)ether
Concen: 0.412 ng
RT: 7.20 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion: 93 Resp: 2557

Ion	Ratio	Lower	Upper
93	100		
63	325.9	260.7	391.1
95	30.2	24.2	36.2



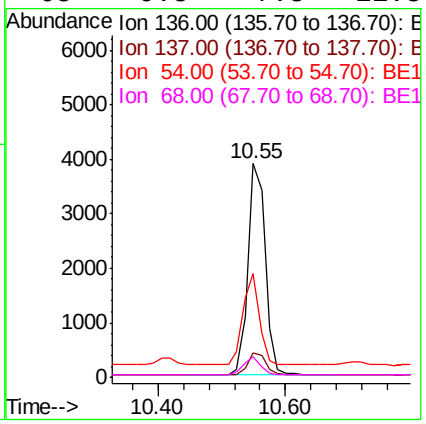


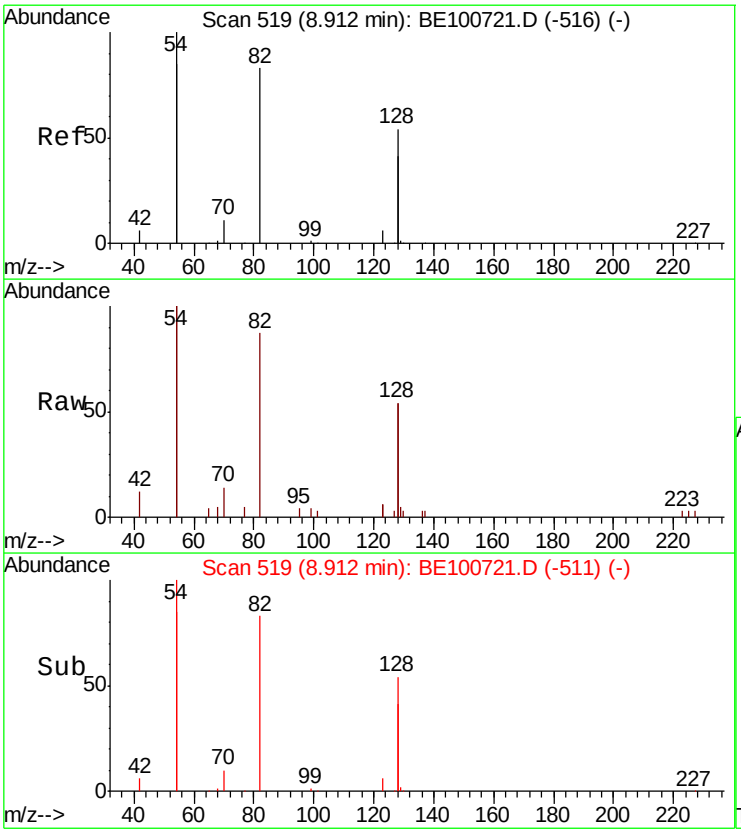
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.55 min Scan# 645
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 7361

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	48.8	39.0	58.6
68	9.8	7.8	11.8

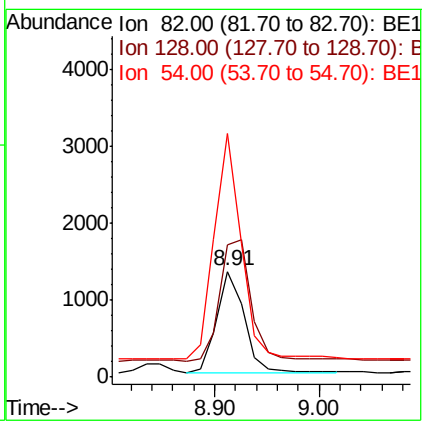


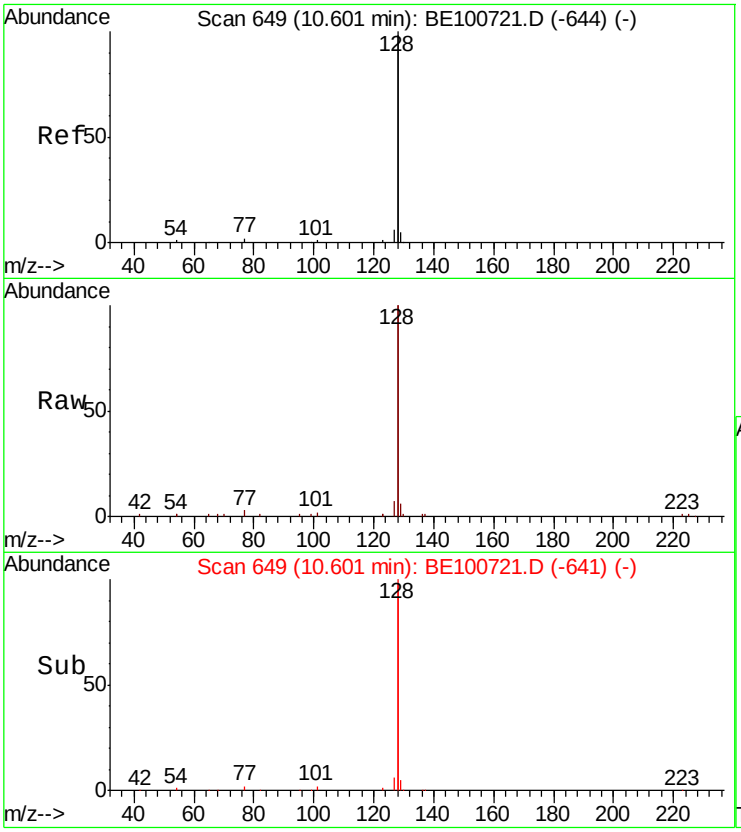


#8
Nitrobenzene-d5
Concen: 0.523 ng
RT: 8.91 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion: 82 Resp: 2385

Ion	Ratio	Lower	Upper
82	100		
128	124.5	99.6	149.4
54	229.8	183.8	275.8



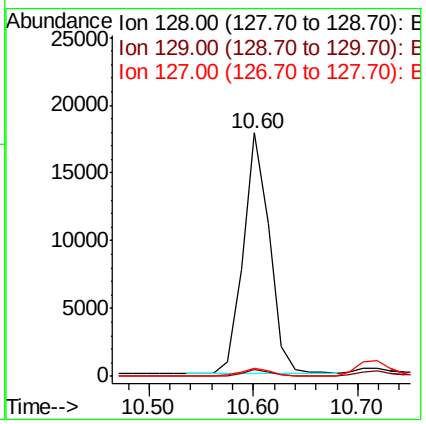


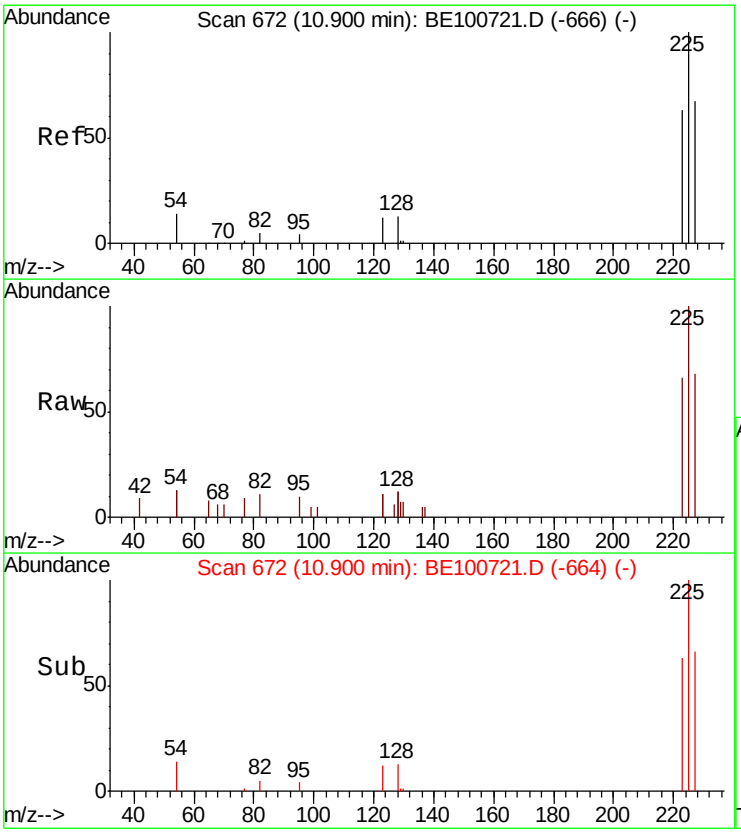
#9
Naphthalene
Concen: 0.401 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 31060

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.4	2.7	4.1

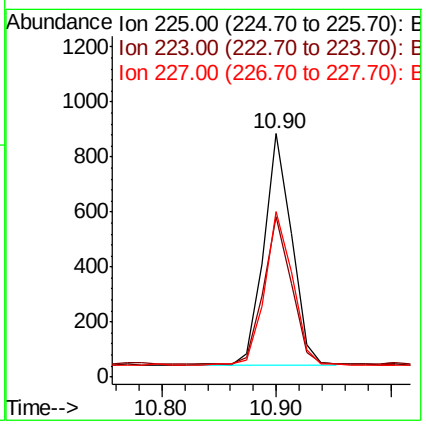


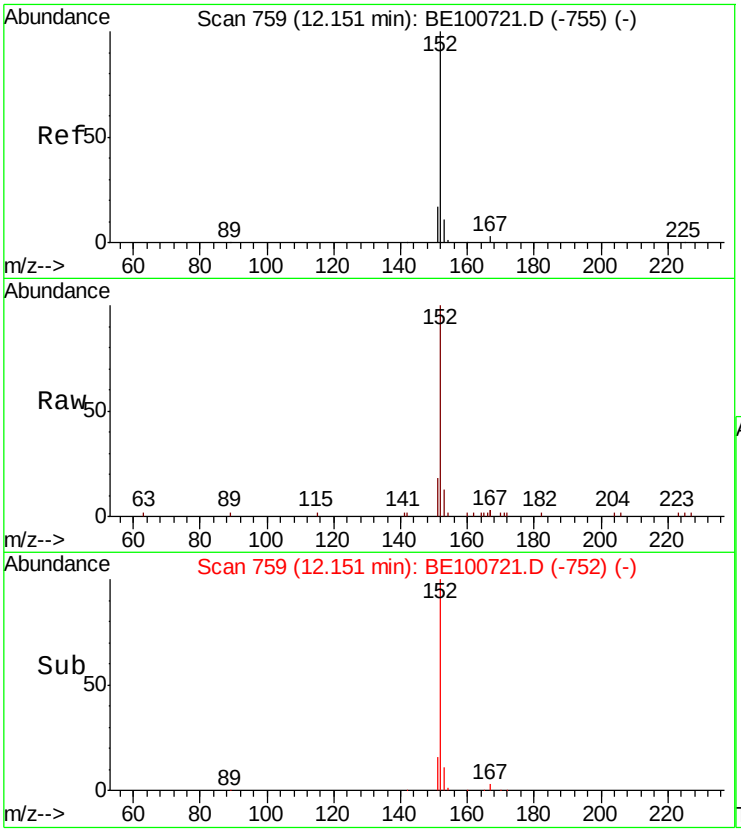


#10
Hexachlorobutadiene
Concen: 0.418 ng
RT: 10.90 min Scan# 672
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:225 Resp: 1405

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	66.3	53.0	79.6



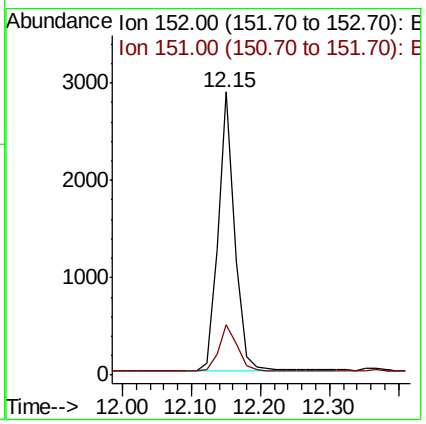


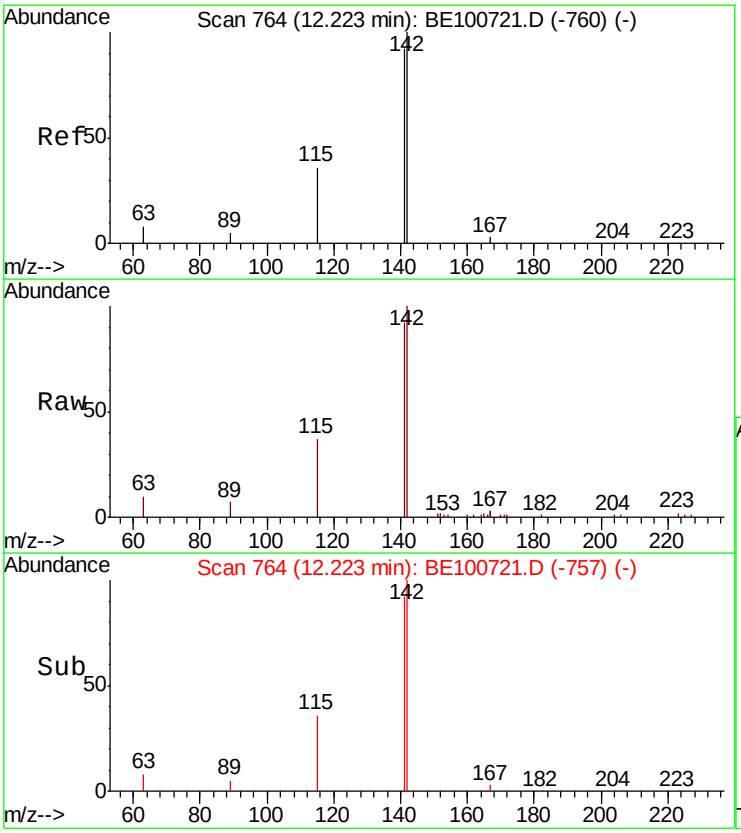
#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4816

Ion	Ratio	Lower	Upper
152	100		
151	17.8	14.2	21.4

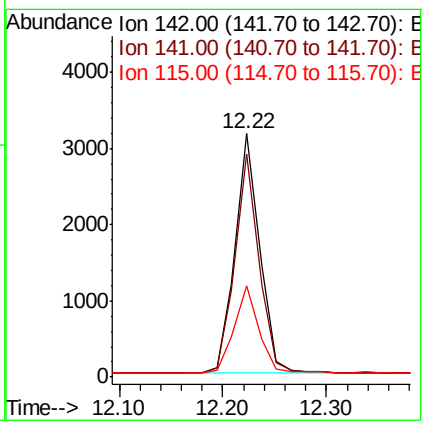


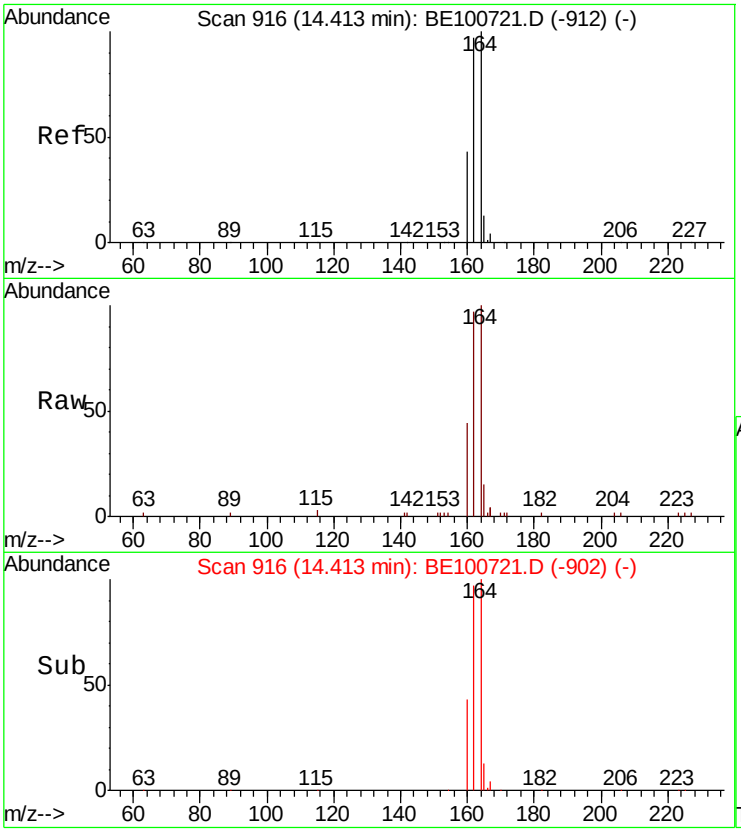


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:142 Resp: 5167

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
115	37.4	29.9	44.9



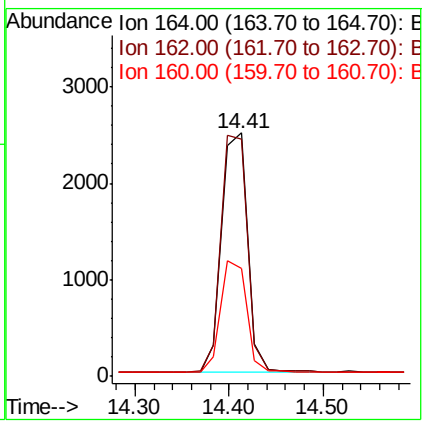


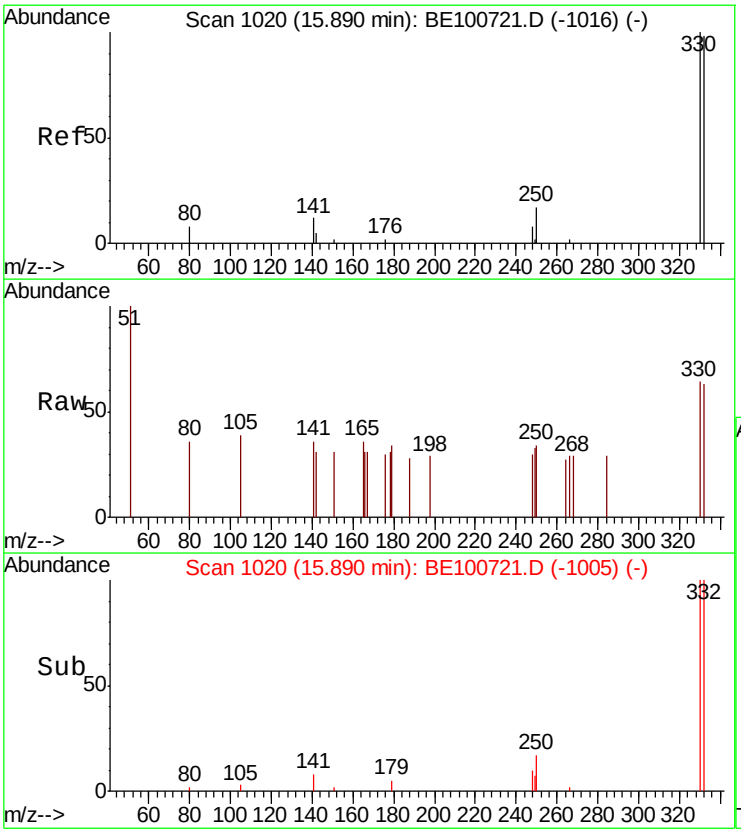
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 916
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 4697

Ion	Ratio	Lower	Upper
164	100		
162	97.3	77.8	116.8
160	44.1	35.3	52.9

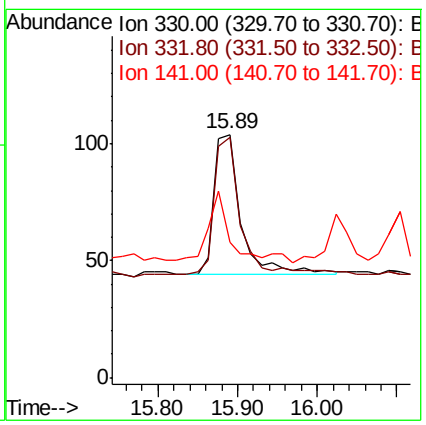


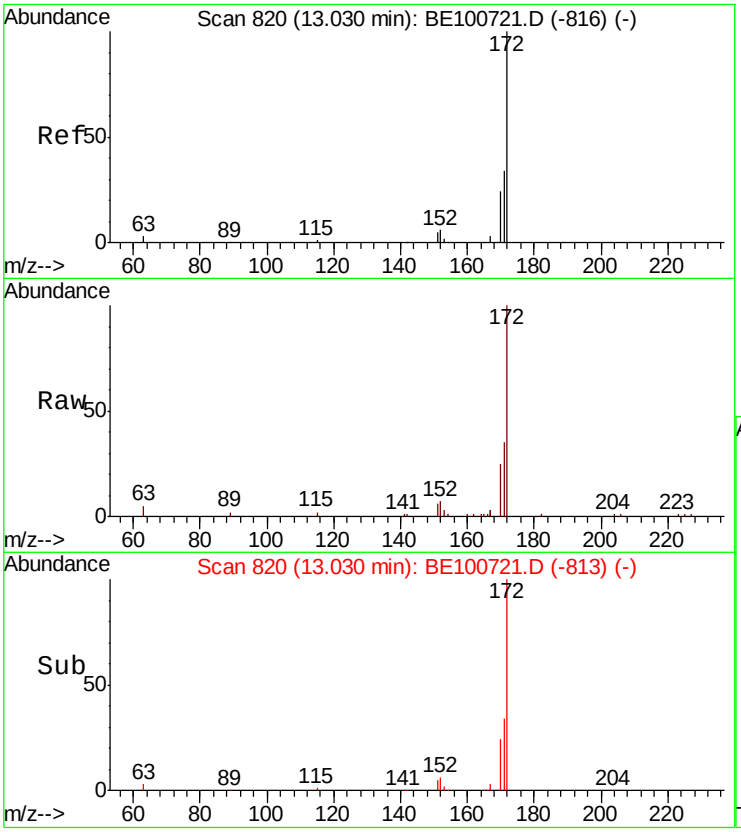


#14
2,4,6-Tribromophenol
Concen: 0.114 ng
RT: 15.89 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:330 Resp: 142

Ion	Ratio	Lower	Upper
330	100		
332	106.3	85.0	127.6
141	35.2	28.2	42.2



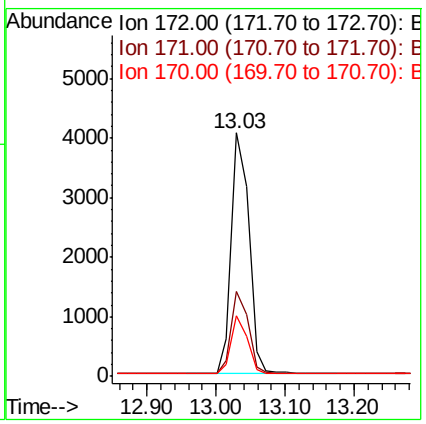


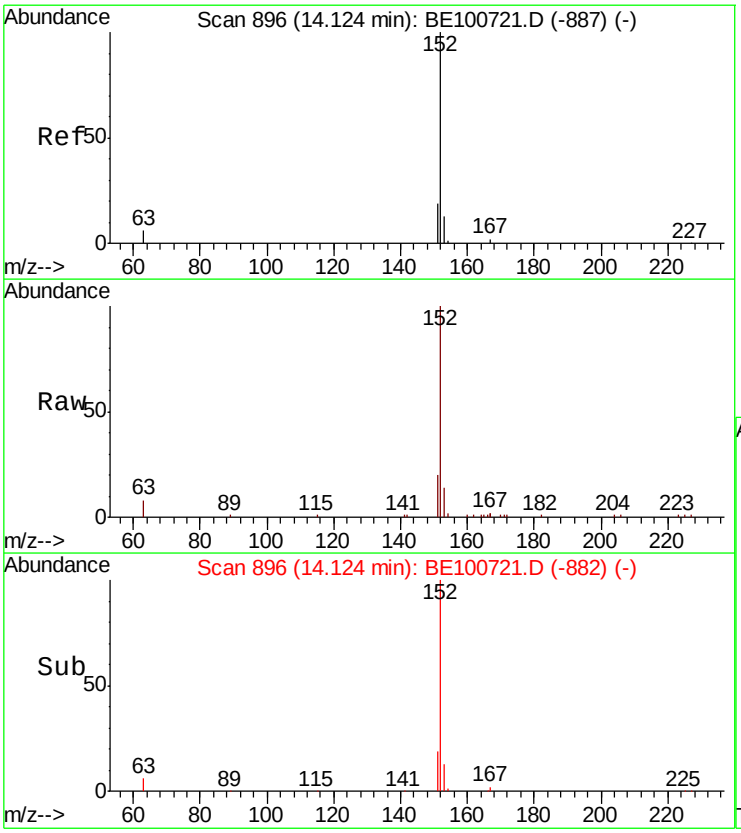
#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 7162

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	24.7	19.8	29.6

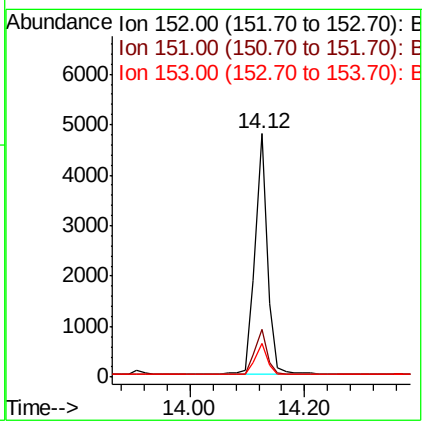


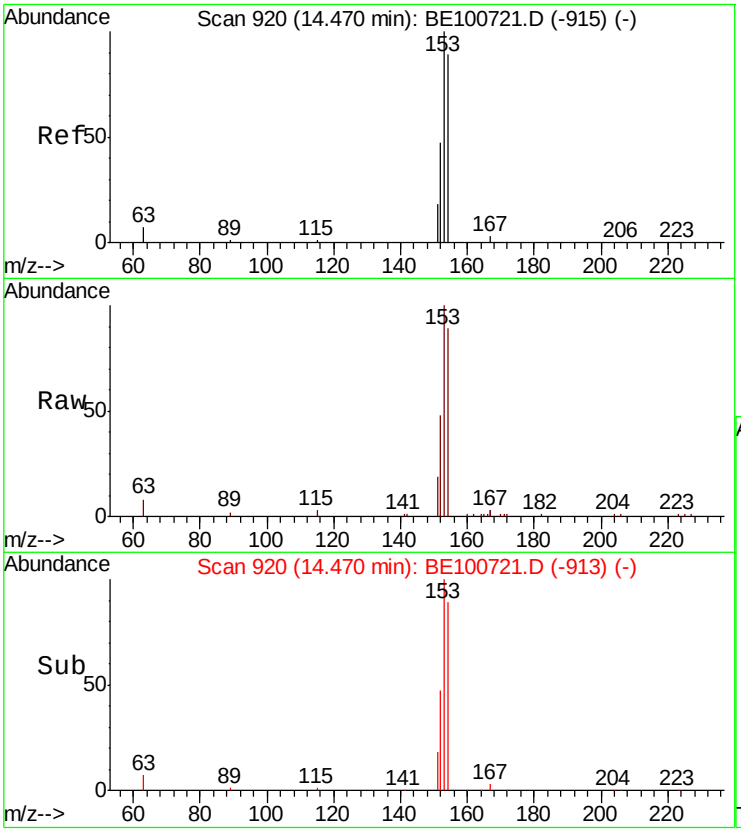


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.12 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:152 Resp: 7409

Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.9	22.3
153	13.4	10.7	16.1



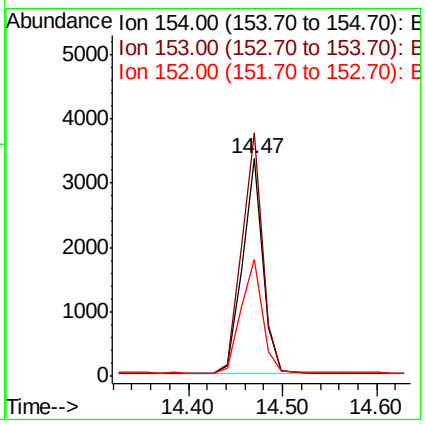


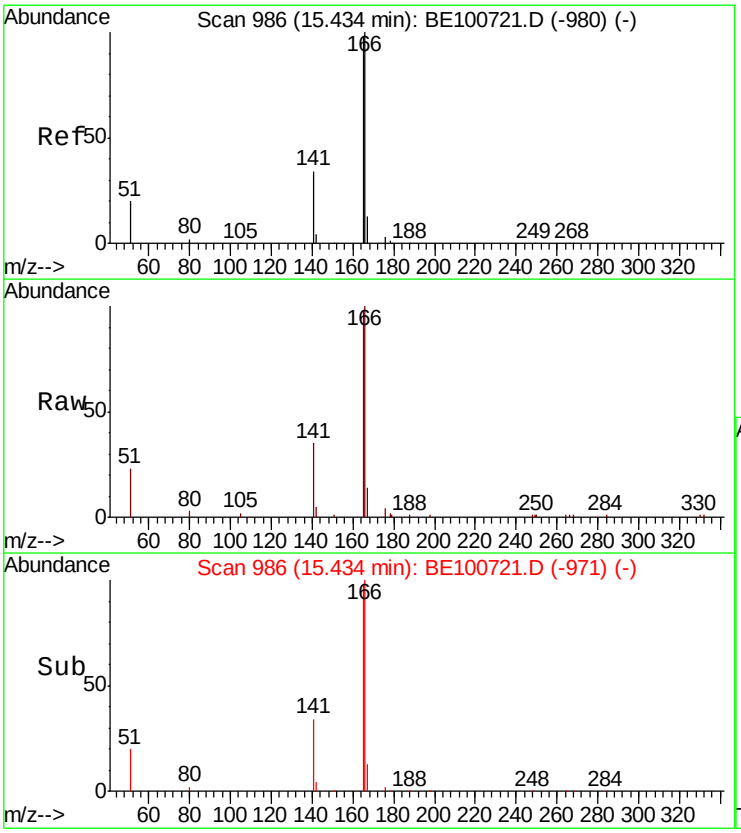
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4997

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.9	137.9
152	56.0	44.8	67.2

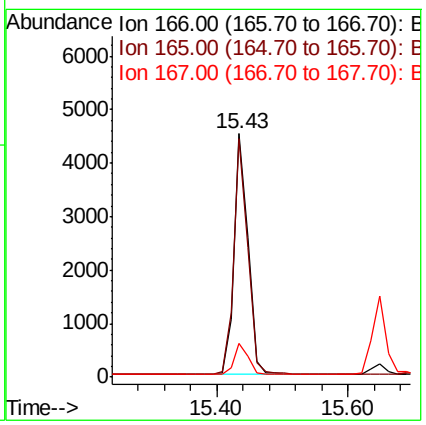


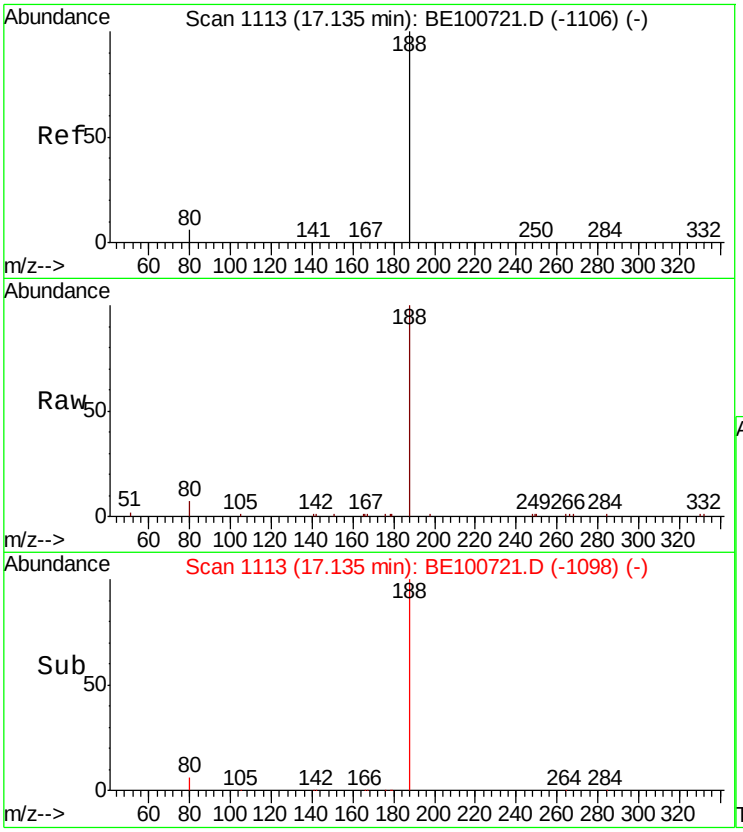


#18
Fluorene
Concen: 0.394 ng
RT: 15.43 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:166 Resp: 6828

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.3	10.6	16.0



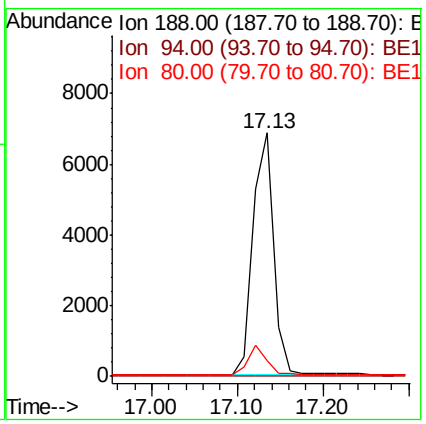


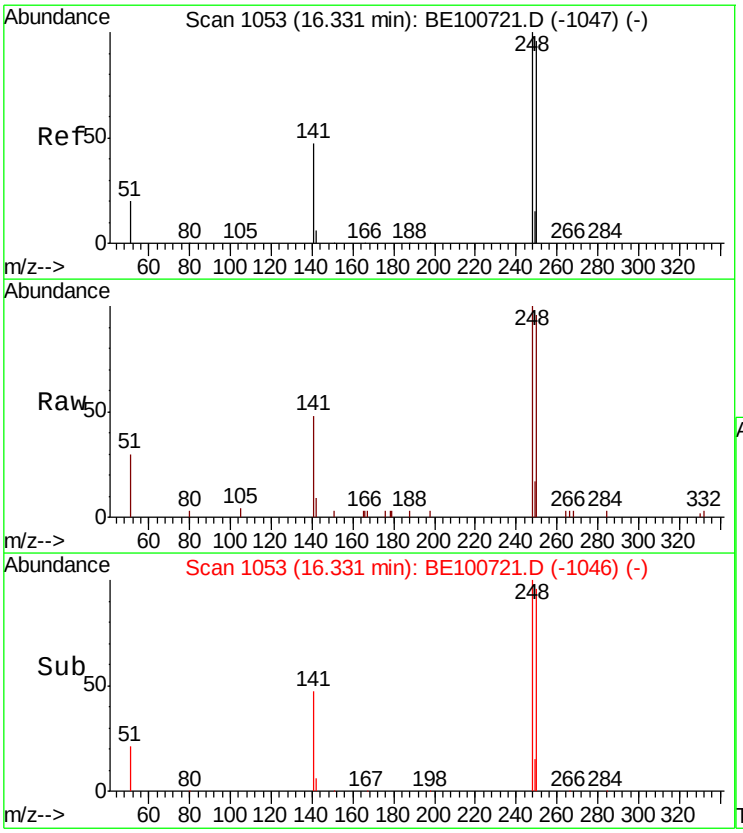
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 11431

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	5.4	8.0

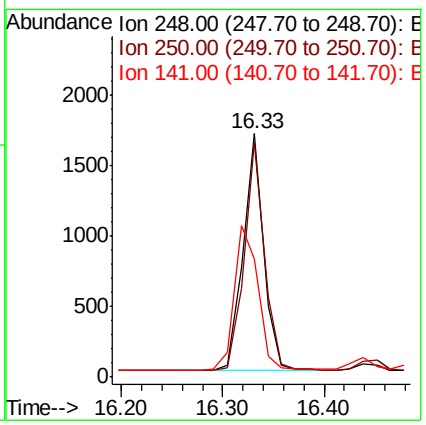


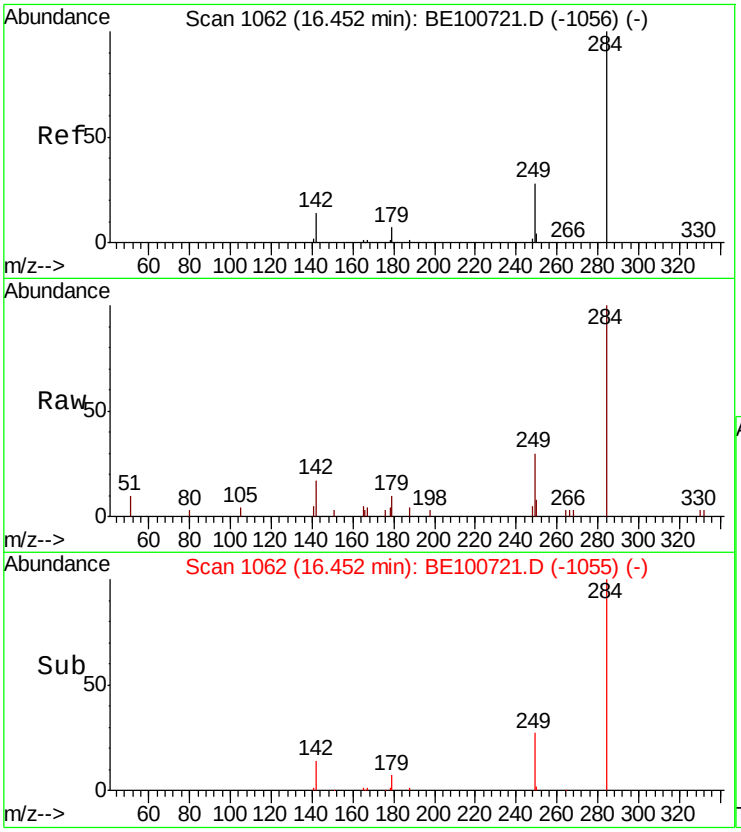


#20
4-Bromophenyl-phenylether
Concen: 0.412 ng
RT: 16.33 min Scan# 1053
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:248 Resp: 2395

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	48.3	38.6	58.0



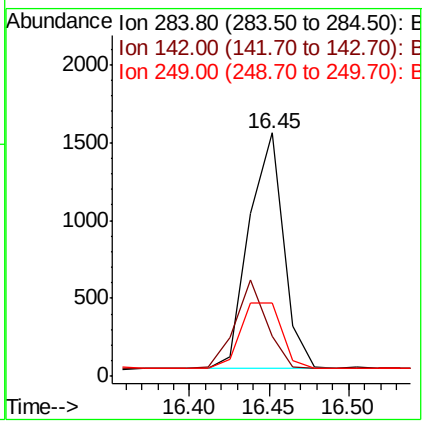


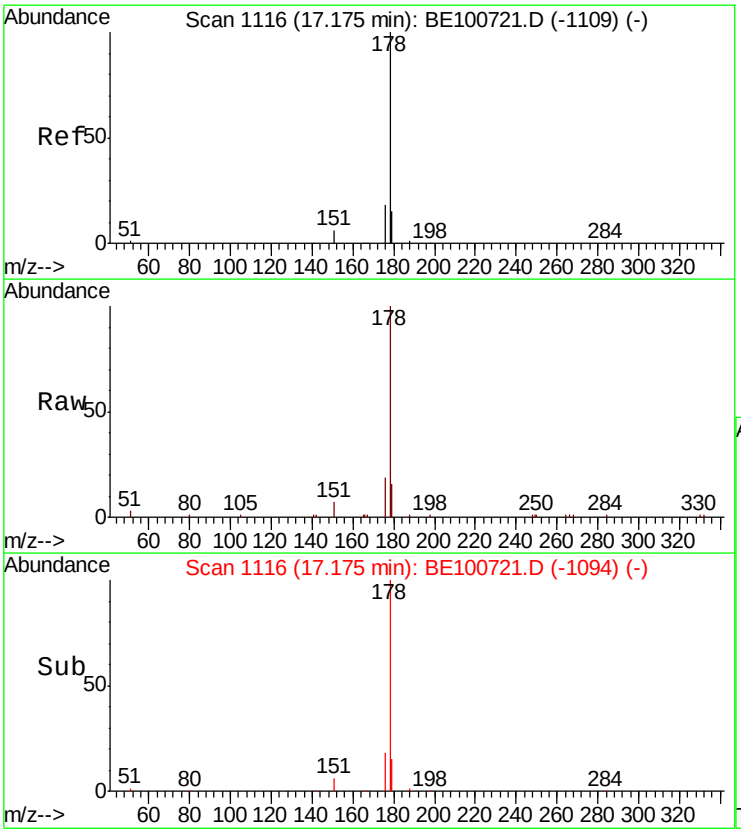
#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.45 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 2309

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.2	42.2
249	33.1	26.5	39.7

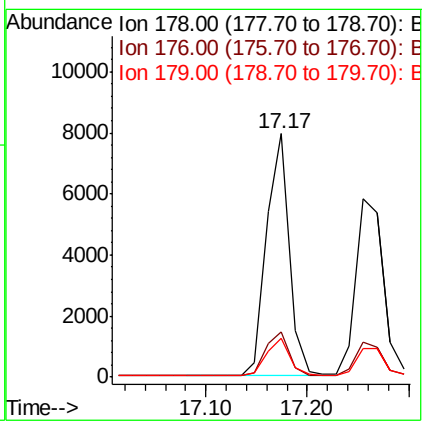


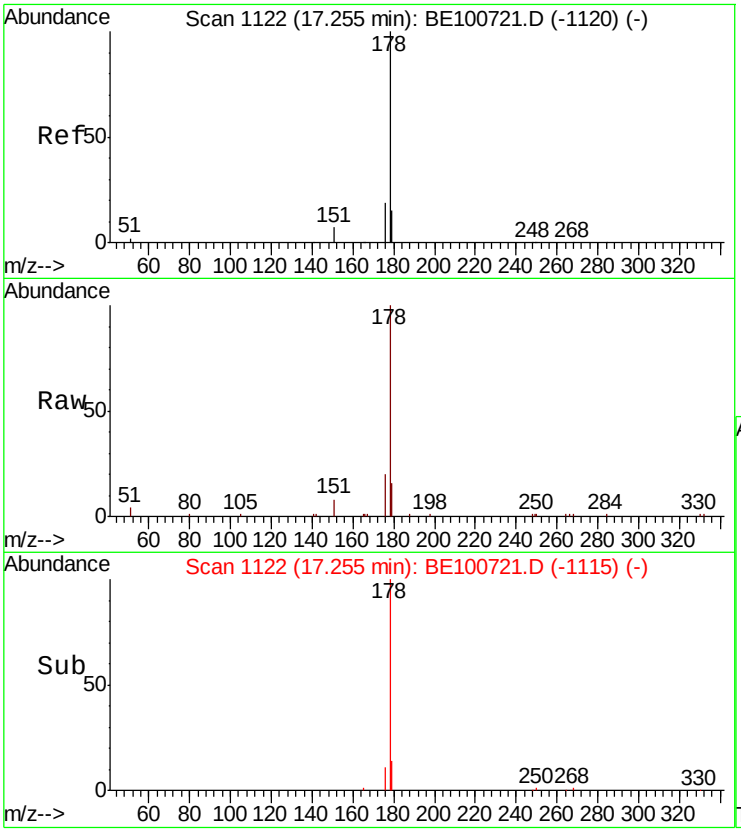


#23
Phenanthrene
Concen: 0.395 ng
RT: 17.17 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:178 Resp: 12421

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.6	18.8



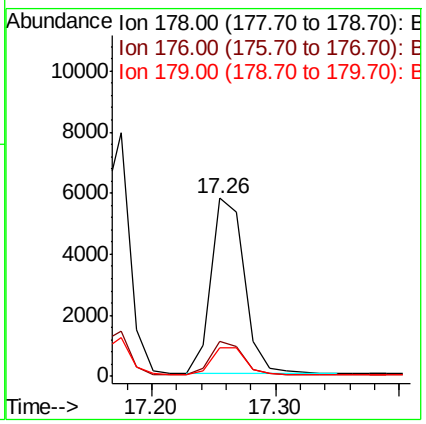


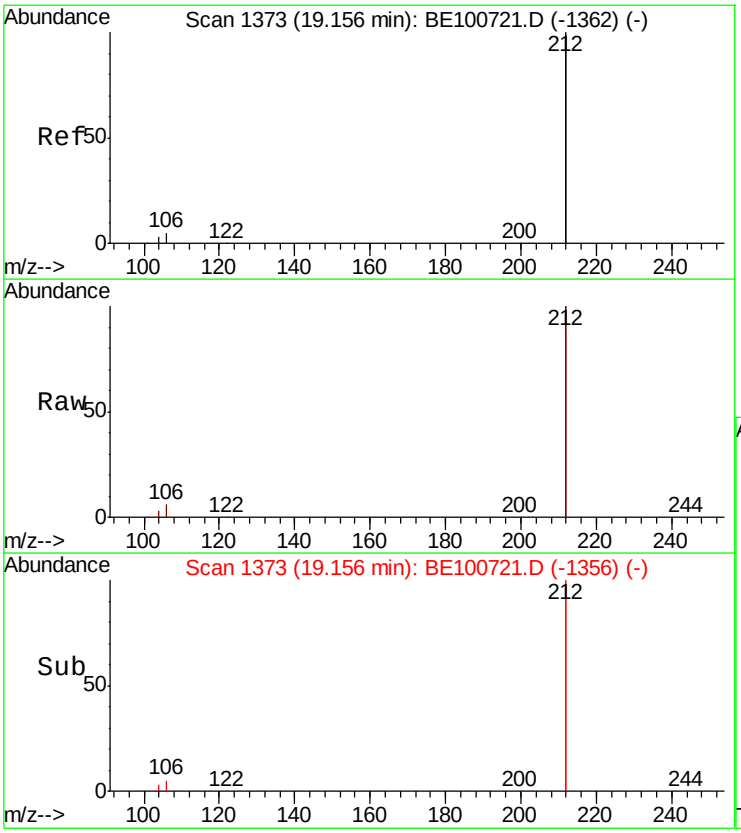
#24
Anthracene
Concen: 0.364 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 10629

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.7	12.6	18.8

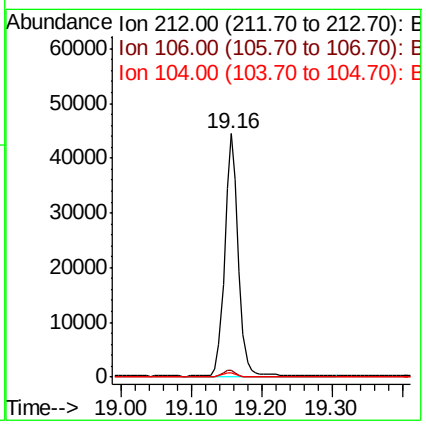


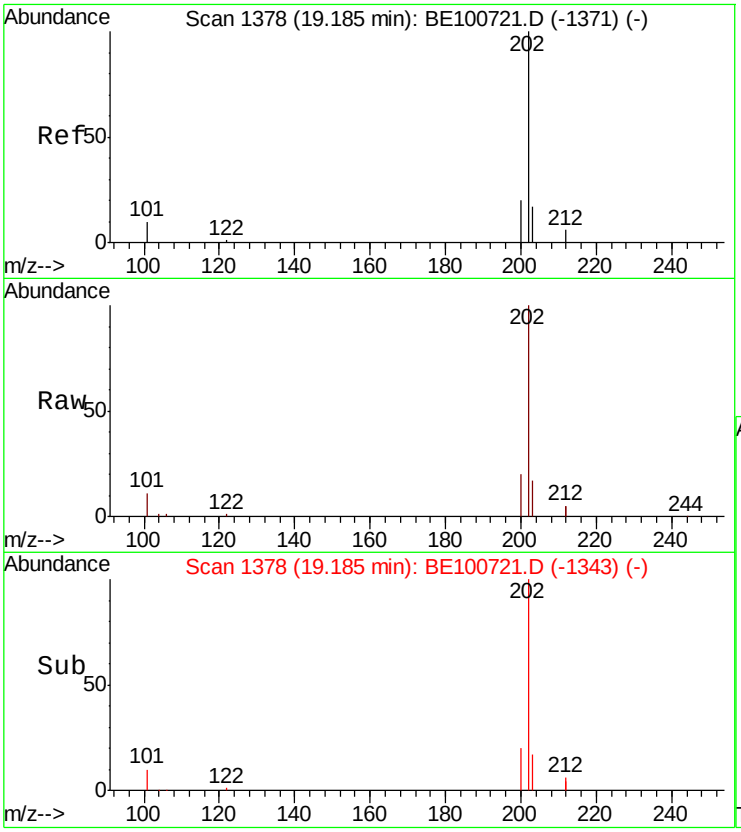


#25
Fluoranthene-d10
Concen: 0.403 ng
RT: 19.16 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:212 Resp: 59460

Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.2	3.4
104	1.5	1.2	1.8



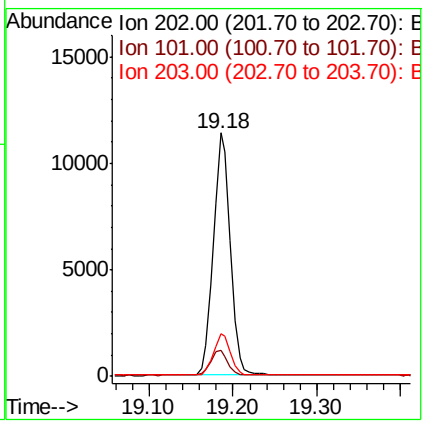


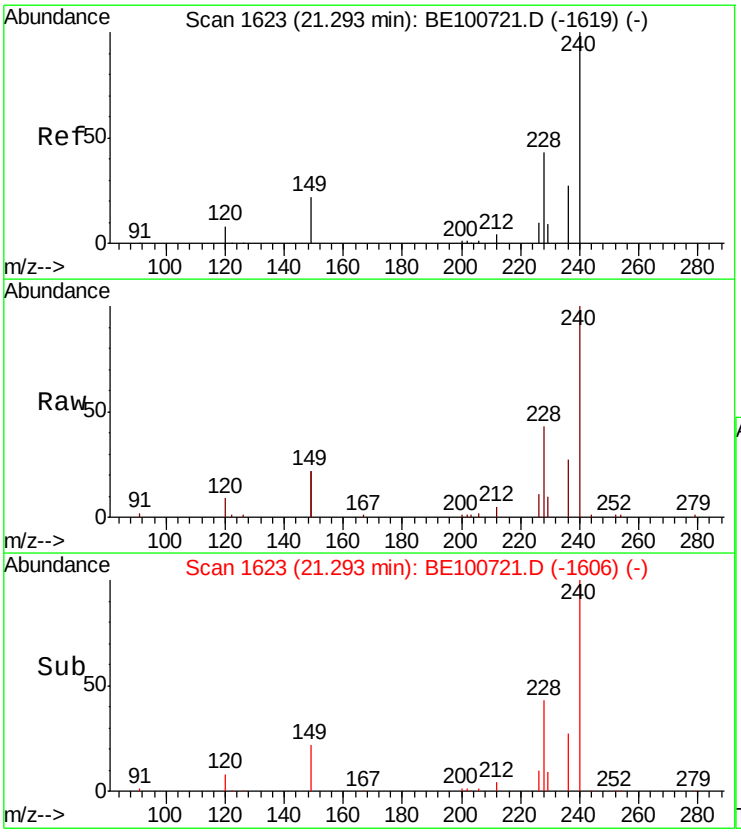
#26
Fluoranthene
Concen: 0.393 ng
RT: 19.18 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:202 Resp: 16109

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.6	12.8
203	17.0	13.6	20.4

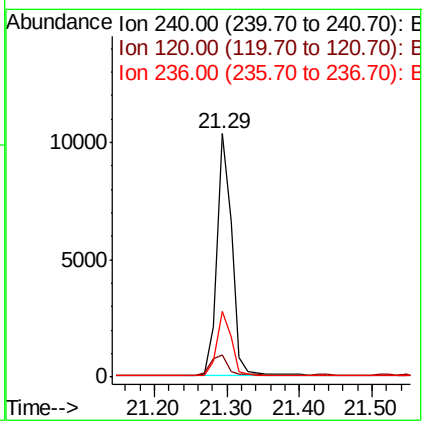


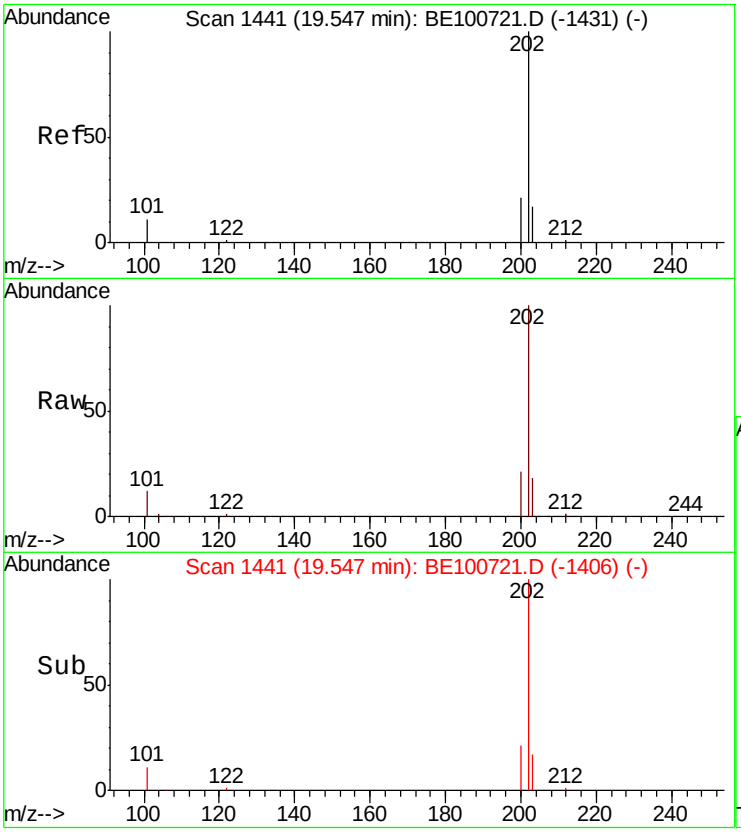


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:240 Resp: 14808

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.4	11.0
236	27.2	21.8	32.6



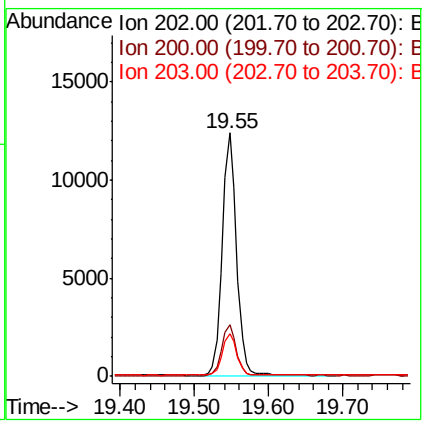


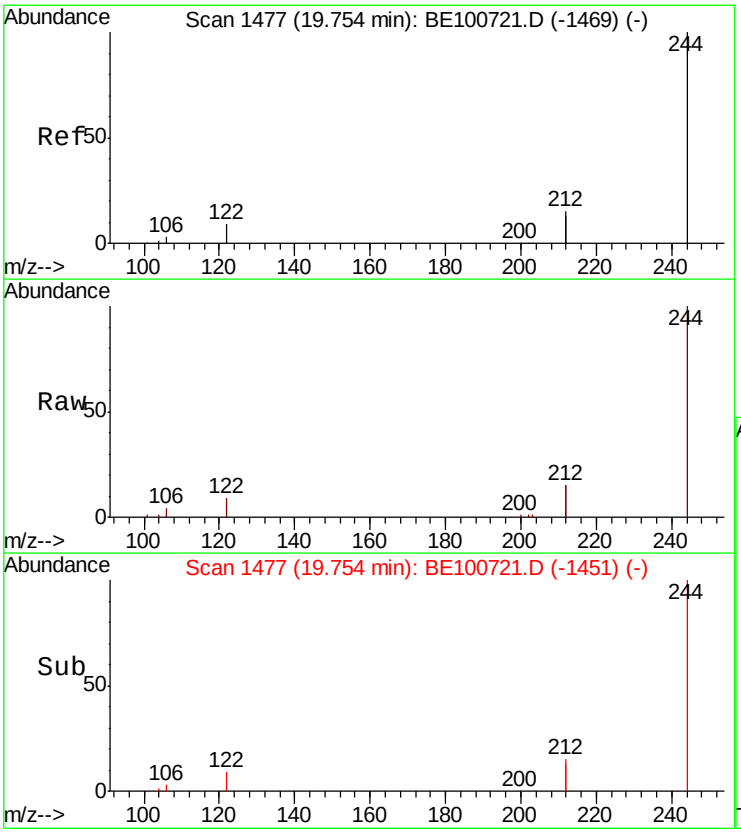
#28
Pyrene
Concen: 0.399 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:202 Resp: 16514

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.5	14.0	21.0

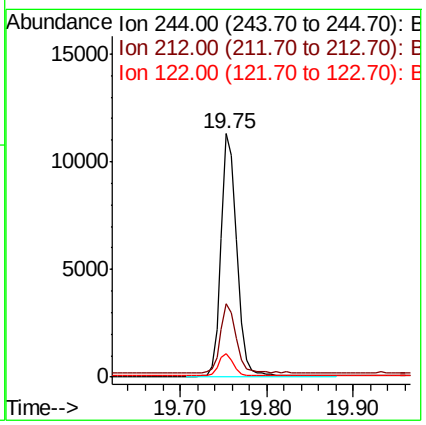


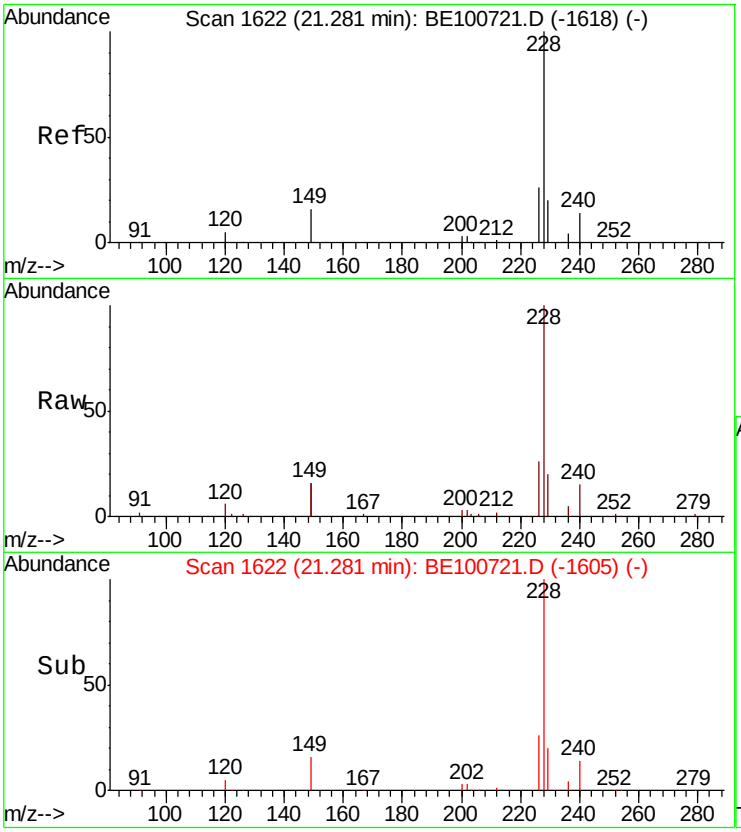


#29
Terphenyl-d14
Concen: 0.440 ng
RT: 19.75 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:244 Resp: 14234

Ion	Ratio	Lower	Upper
244	100		
212	30.4	24.3	36.5
122	9.5	7.6	11.4



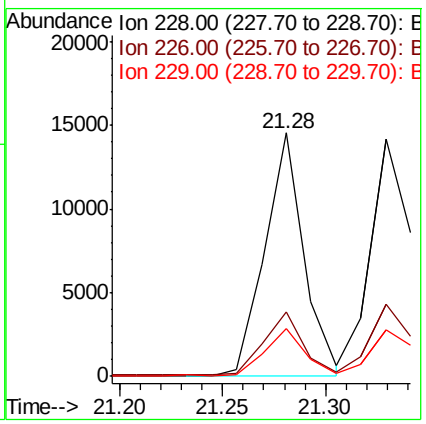


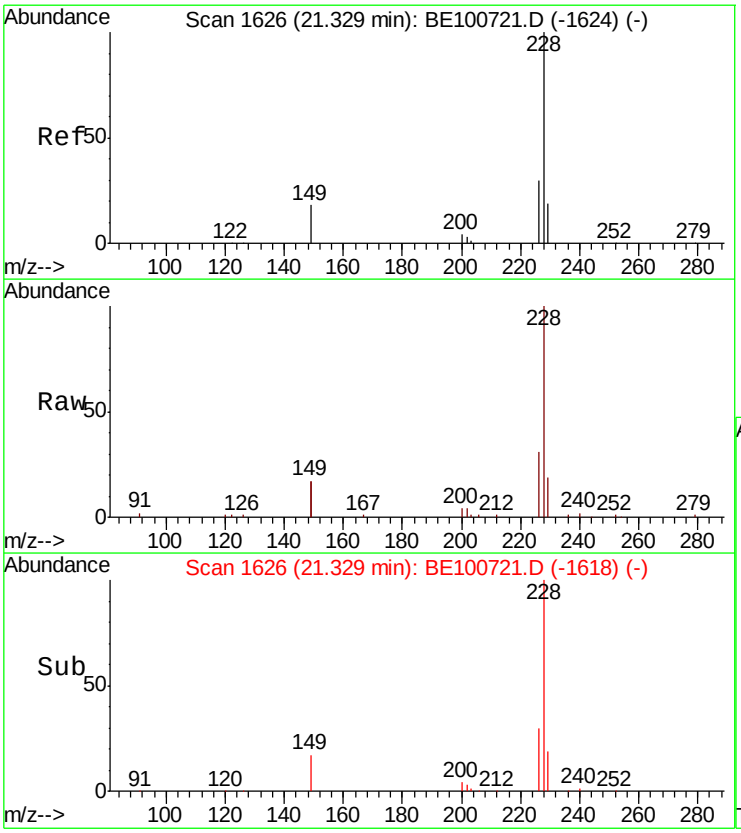
#30
Benzo(a)anthracene
Concen: 0.397 ng
RT: 21.28 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 19194

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.1	31.7
229	19.9	15.9	23.9

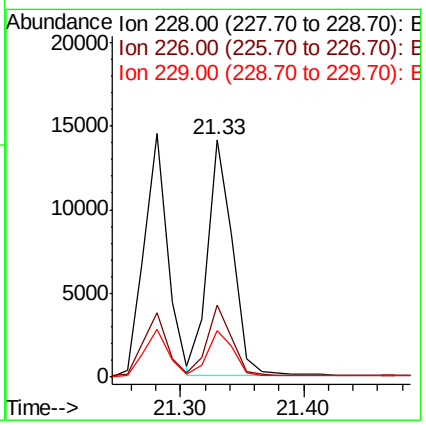


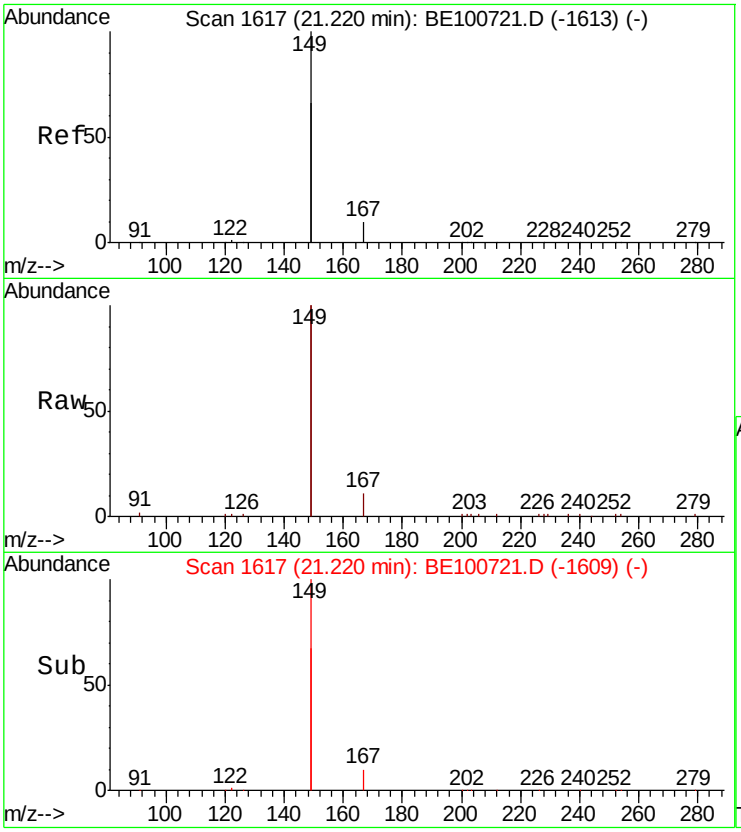


#31
Chrysene
Concen: 0.409 ng
RT: 21.33 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:228 Resp: 19720

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.4	15.5	23.3



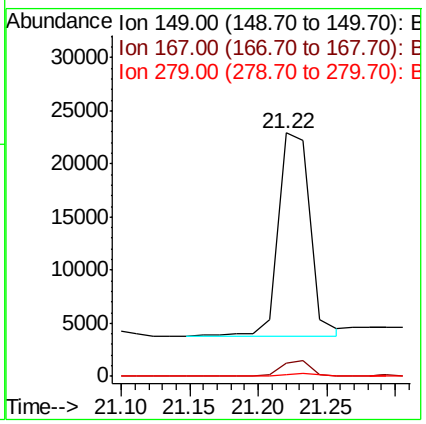


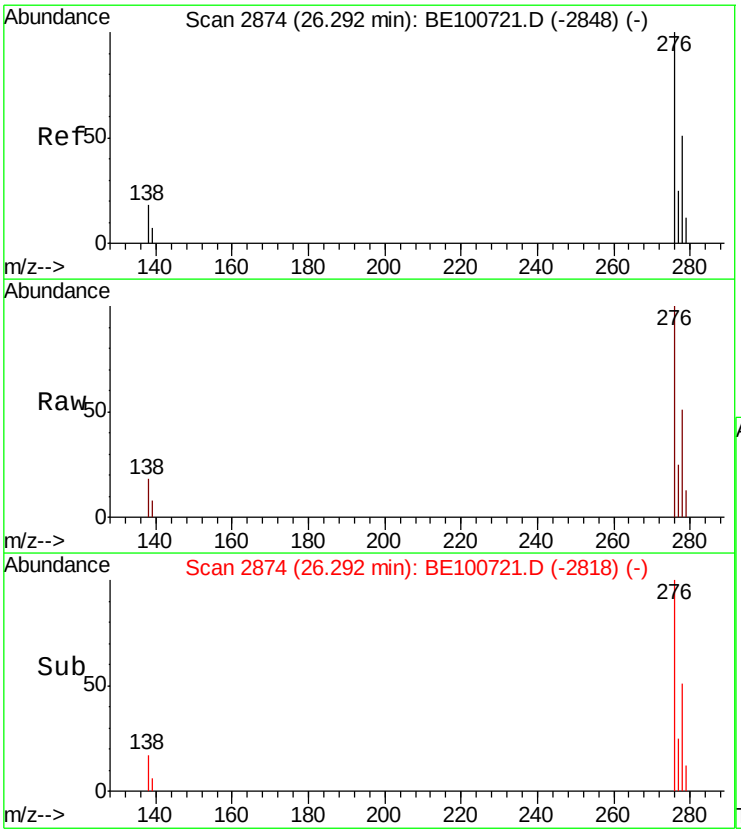
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.301 ng
RT: 21.22 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:149 Resp: 30458

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.2	7.8
279	1.2	0.9	1.3

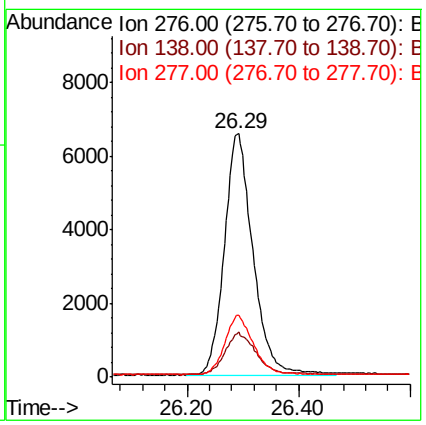


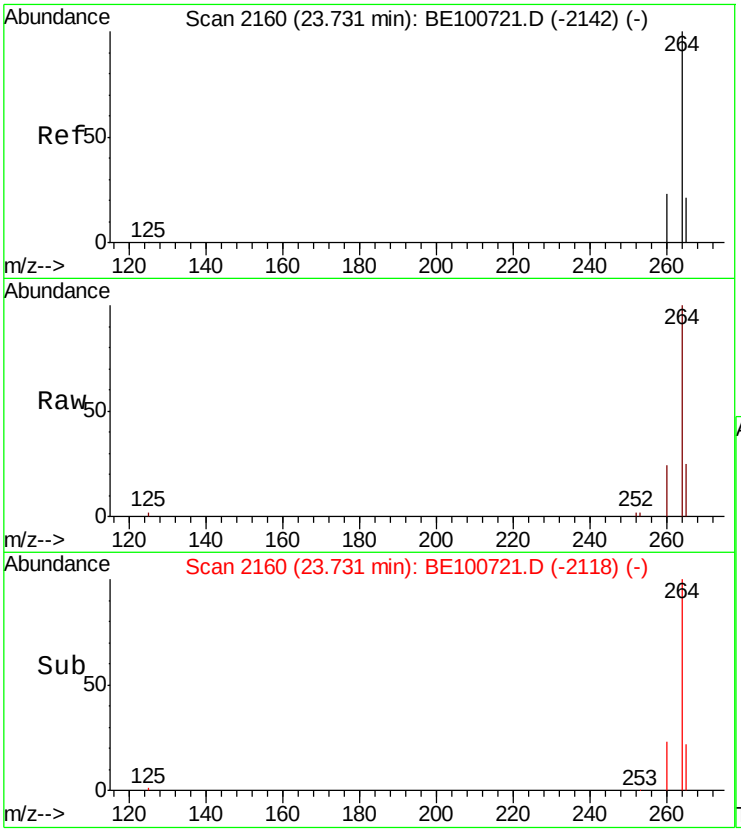


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 26.29 min Scan# 2874
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:276 Resp: 23277

Ion	Ratio	Lower	Upper
276	100		
138	18.5	14.8	22.2
277	24.5	19.6	29.4



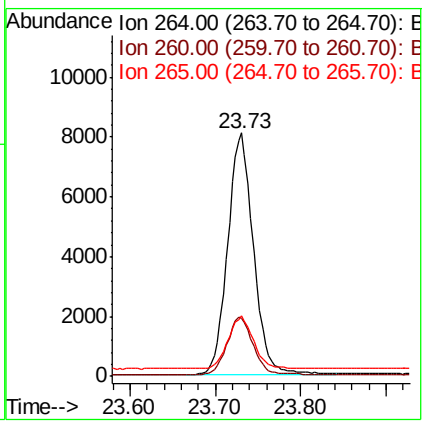


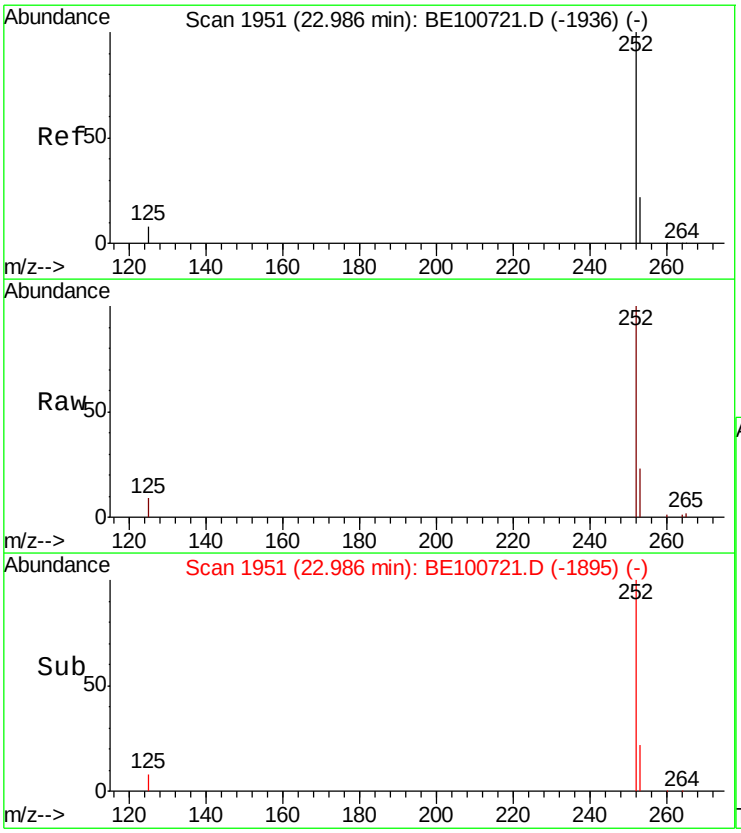
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 16897

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	24.6	19.7	29.5

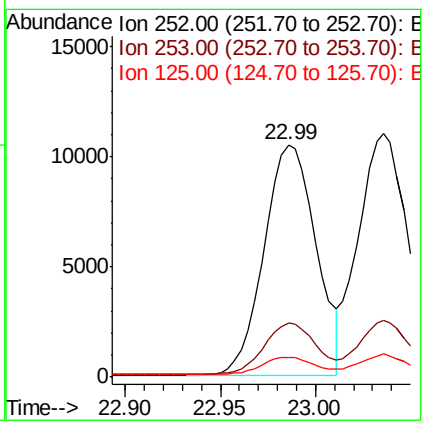


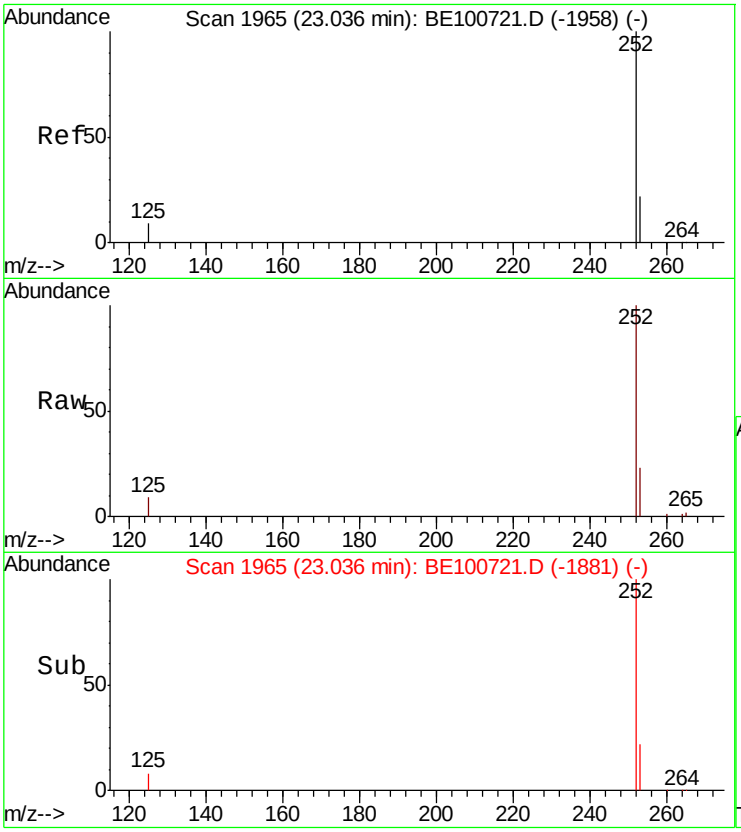


#35
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 22.99 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:252 Resp: 19906

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	8.7	7.0	10.4



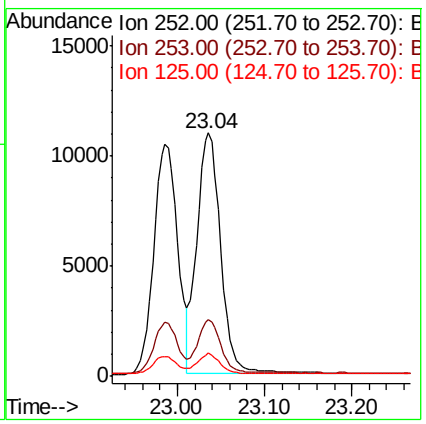


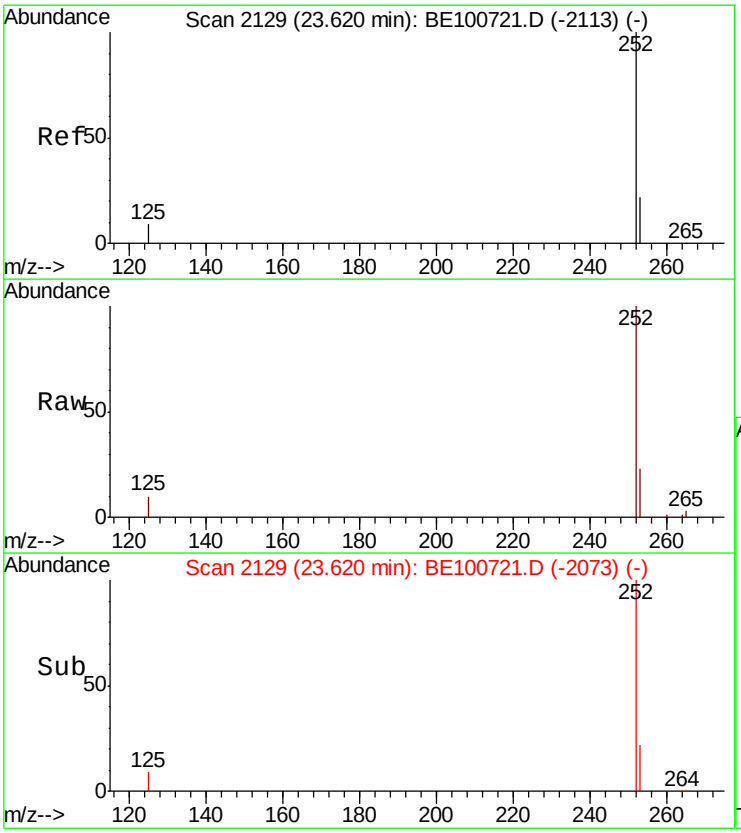
#36
Benzo(k)fluoranthene
Concen: 0.409 ng
RT: 23.04 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 20706

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	9.5	7.6	11.4

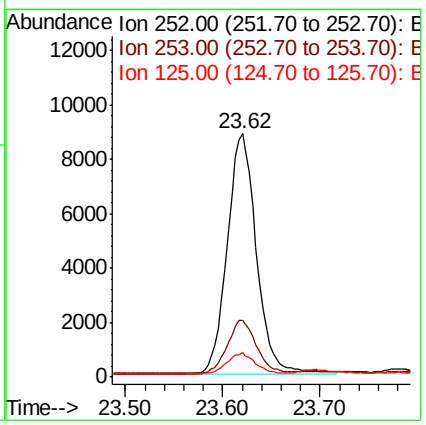


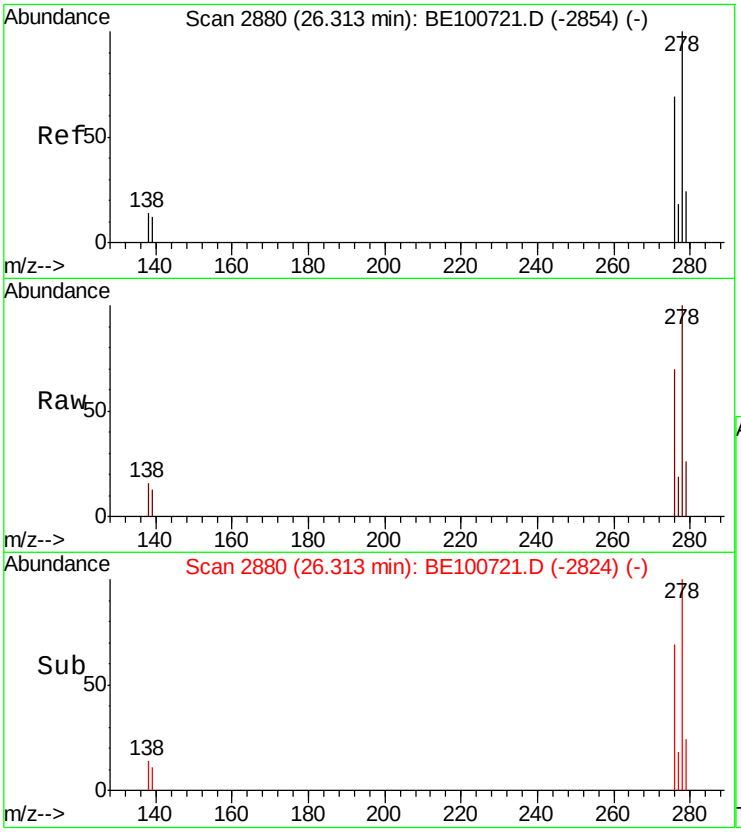


#37
Benzo(a)pyrene
Concen: 0.405 ng
RT: 23.62 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:252 Resp: 18568

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	9.9	7.9	11.9



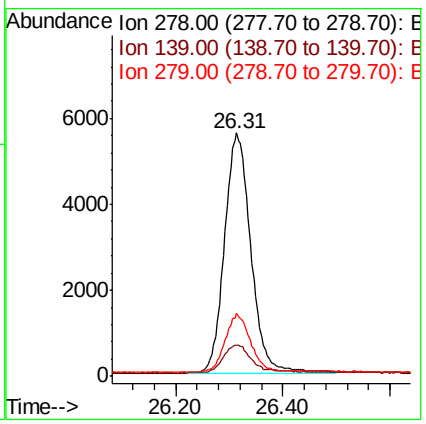


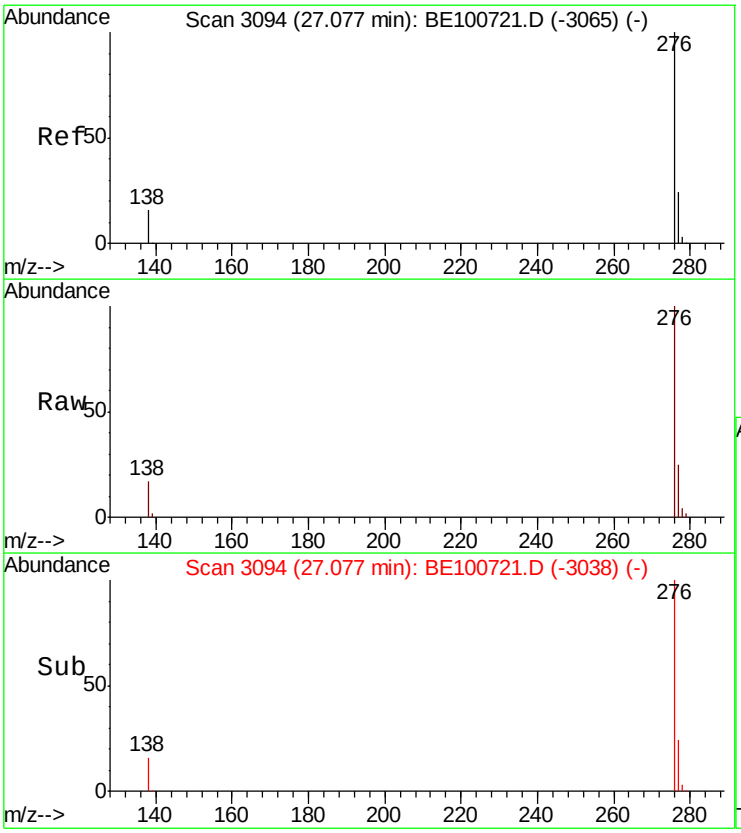
#38
Dibenzo(a,h)anthracene
Concen: 0.407 ng
RT: 26.31 min Scan# 2880
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:278 Resp: 19276

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.3	15.5
279	25.8	20.6	31.0





#39
Benzo(g,h,i)perylene
Concen: 0.399 ng
RT: 27.08 min Scan# 3094
Delta R.T. 0.00 min
Lab File: BE100721.D
Acq: 14 Nov 2019 15:10

Tgt Ion:276 Resp: 19016

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	17.0	13.6	20.4