Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100538.D
Acq On : 23 Sep 2019 13:45
Operator : HP/JU
Sample : PB123105BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB123105BS

Quant Time: Sep 23 14:22:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	5938	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	27553	0.40	ng		0.00
13) Acenaphthene-d10	14.48	164	15400	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	33231	0.40	ng		0.00
27) Chrysene-d12	21.36	240	36060	0.40	ng		0.00
34) Perylene-d12	23.83	264	39853	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.43	112	5197	0.37	ng		0.00
5) Phenol-d6	7.02	99	7059	0.37	ng		0.00
8) Nitrobenzene-d5	9.00	82	5844	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.24	152	15485	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	880	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	21869	0.40	ng		0.00
25) Fluoranthene-d10	19.23	212	147599	0.37	ng		0.00
29) Terphenyl-d14	19.82	244	34489	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	3492	0.408	ng		98
3) n-Nitrosodimethylamine	3.67	42	1770	0.352	ng	#	86
6) bis(2-Chloroethyl)ether	7.29	93	7368	0.383	ng		96
9) Naphthalene	10.69	128	111343	0.390	ng		100
10) Hexachlorobutadiene	10.99	225	3602	0.394	ng		98
12) 2-Methylnaphthalene	12.31	142	17528	0.386	ng		99
16) Acenaphthylene	14.20	152	23201	0.366	ng		100
17) Acenaphthene	14.54	154	16545	0.386	ng		100
18) Fluorene	15.51	166	20505	0.383	ng		99
20) 4-Bromophenyl-phenylether	16.40	248	6104	0.391	ng		97
21) Hexachlorobenzene	16.52	284	5311	0.390	ng		99
22) Pentachlorophenol	16.87	266	726	0.399	ng		96
23) Phenanthrene	17.24	178	36304	0.392	ng		99
24) Anthracene	17.34	178	27971	0.359	ng		99
26) Fluoranthene	19.25	202	42089	0.377	ng		100
28) Pyrene	19.62	202	42212	0.407	ng		100
30) Benzo(a)anthracene	21.34	228	35866	0.372	ng		100
31) Chrysene	21.40	228	42601	0.388	ng		100
32) Bis(2-ethylhexyl)phthalate	21.28	149	34720	0.334	ng		100
33) Indeno(1,2,3-cd)pyrene	26.45	276	45468	0.373	ng		100
35) Benzo(b)fluoranthene	23.08	252	38662	0.359	ng		100
36) Benzo(k)fluoranthene	23.13	252	46251	0.371	ng		99
37) Benzo(a)pyrene	23.73	252	35530	0.353	ng		99
38) Dibenzo(a,h)anthracene	26.47	278	37556	0.358	ng		99
39) Benzo(g,h,i)perylene	27.24	276	40126	0.367	ng		99

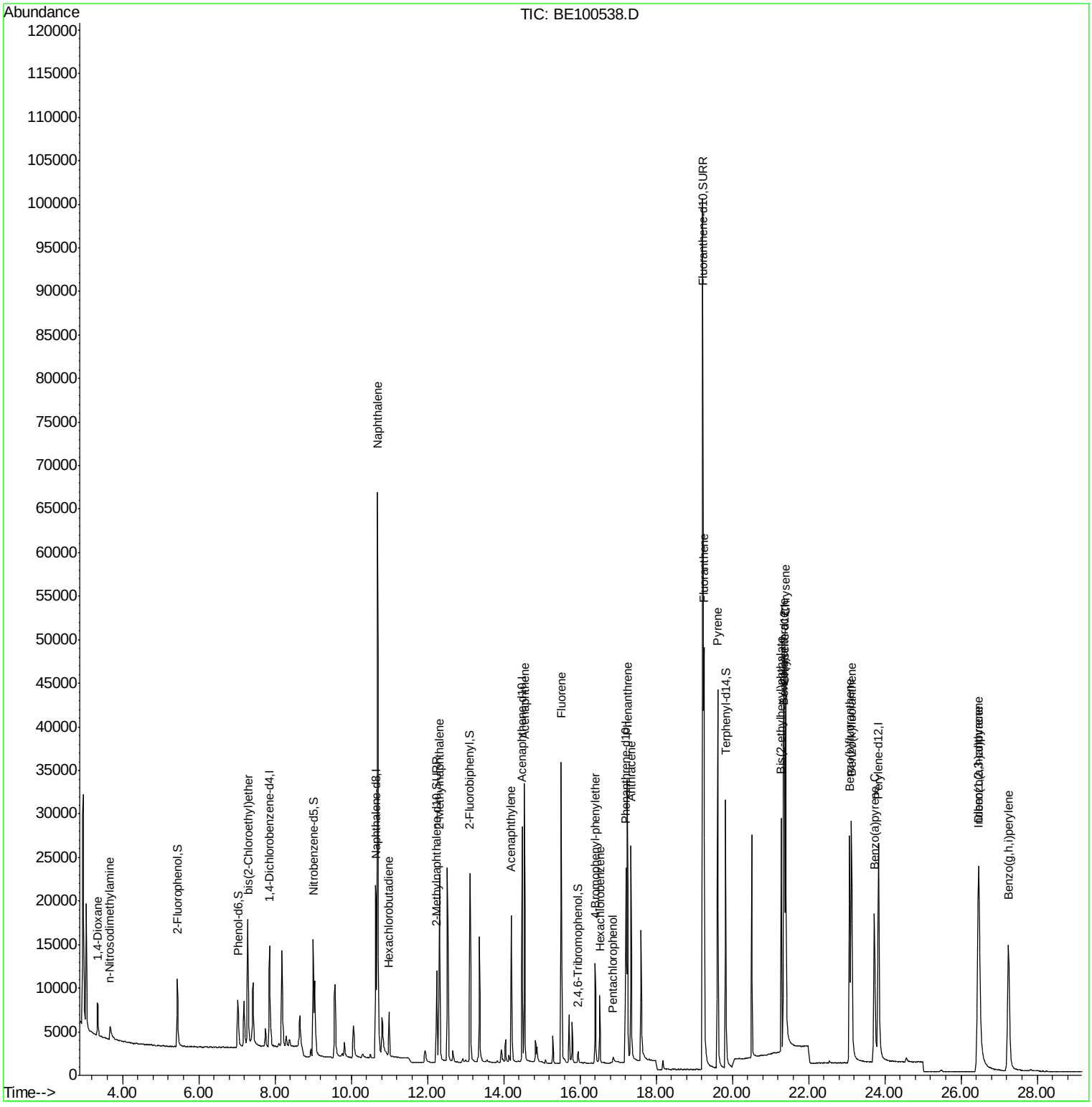
(#) = qualifier out of range (m) = manual integration (+) = signals summed

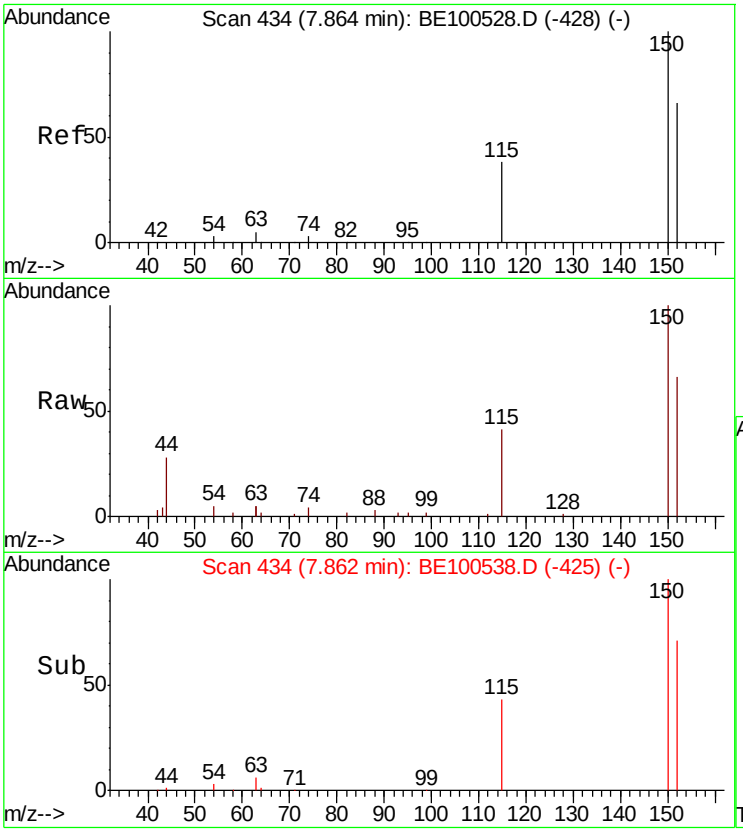
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100538.D
Acq On : 23 Sep 2019 13:45
Operator : HP/JU
Sample : PB123105BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Quant Time: Sep 23 14:22:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration



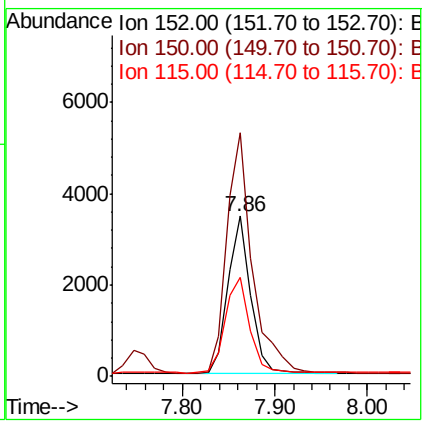


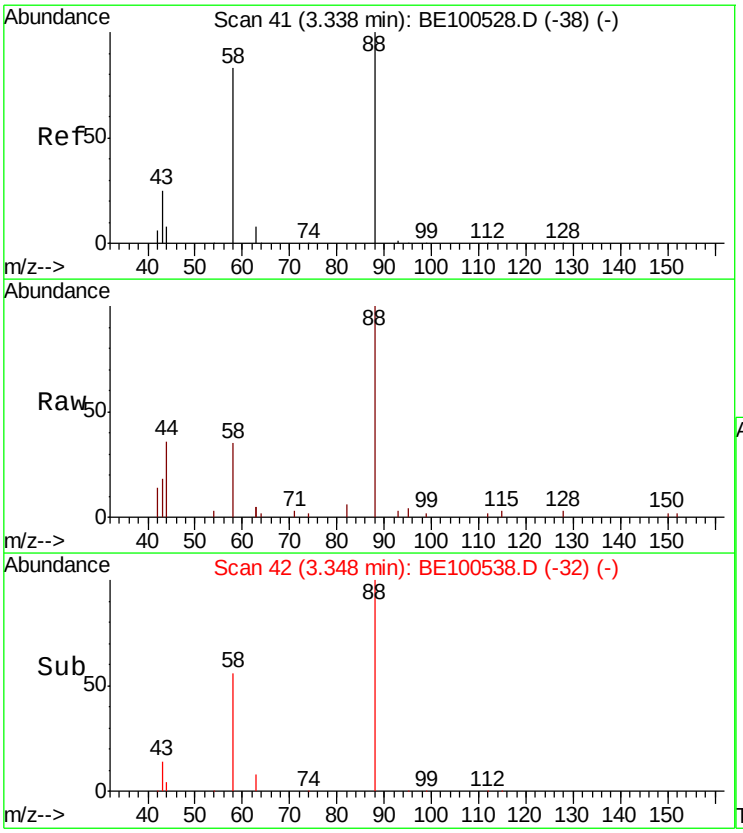
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:152 Resp: 5938

Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.6	182.4
115	62.0	48.2	72.4

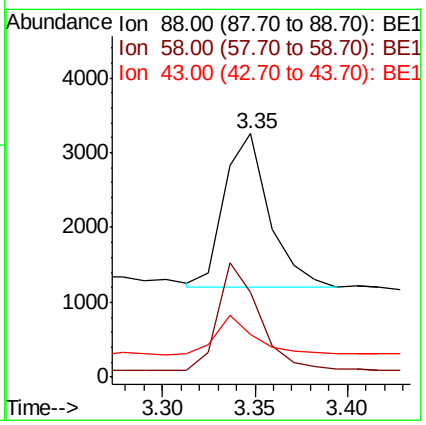


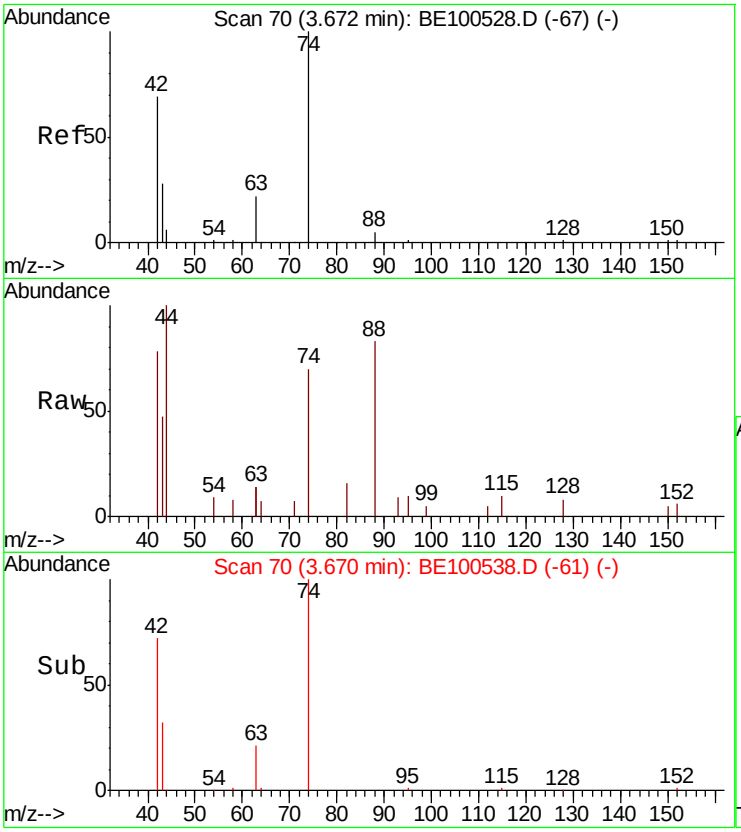


#2
1,4-Dioxane
Concen: 0.408 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion: 88 Resp: 3492

Ion	Ratio	Lower	Upper
88	100		
58	65.3	53.3	79.9
43	21.8	16.9	25.3



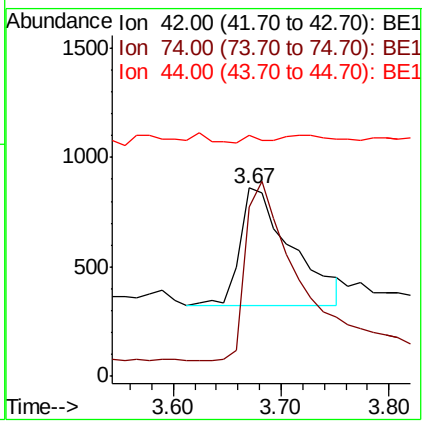


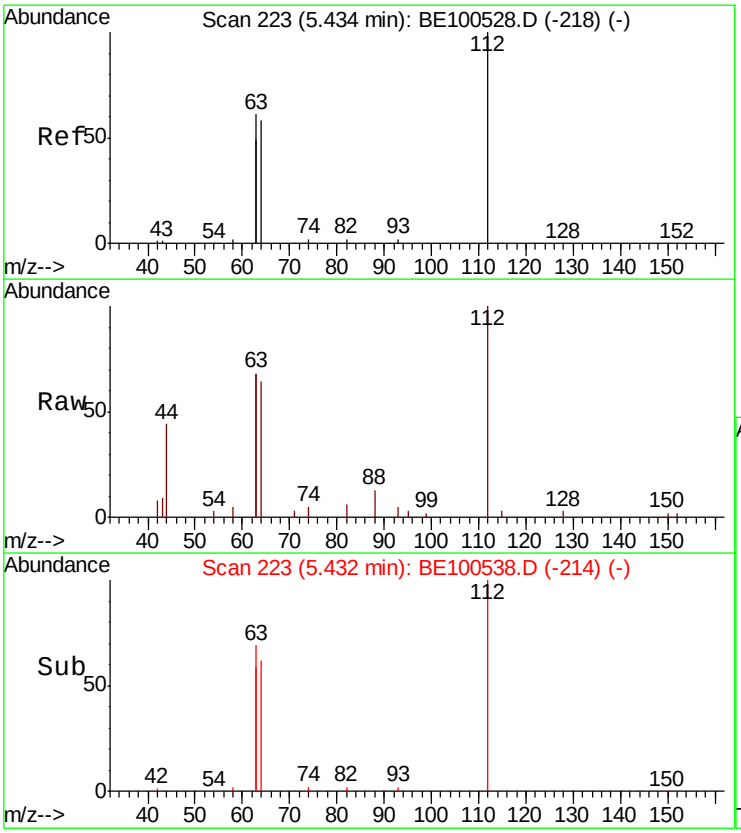
#3
n-Nitrosodimethylamine
Concen: 0.352 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion: 42 Resp: 1770

Ion	Ratio	Lower	Upper
42	100		
74	148.1	133.8	200.6
44	1.6	6.4	9.6#

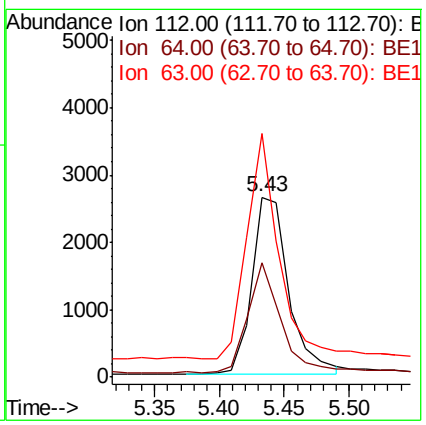


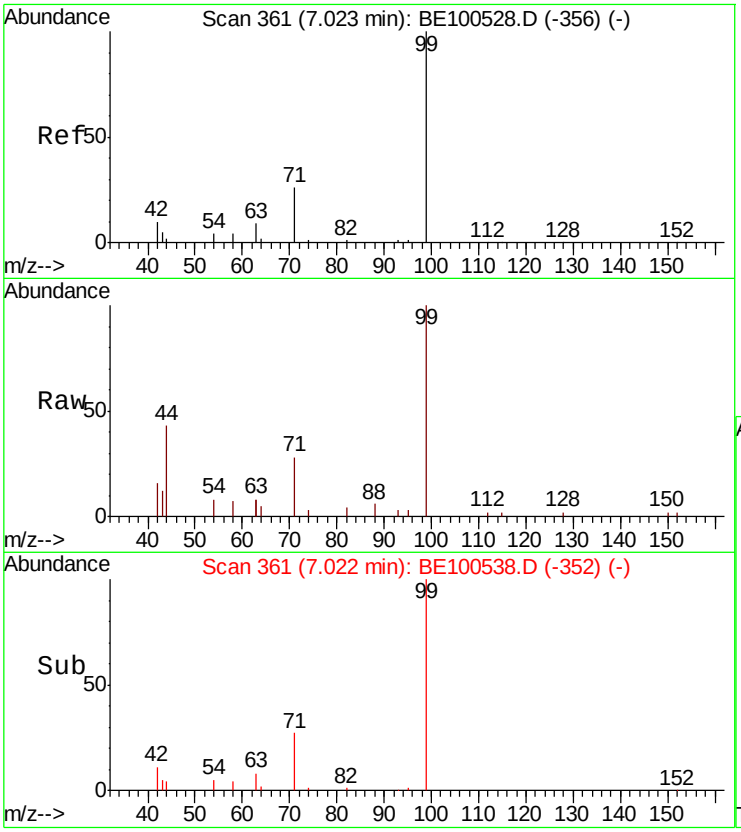


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.43 min Scan# 223
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:112 Resp: 5197

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	109.8	86.5	129.7



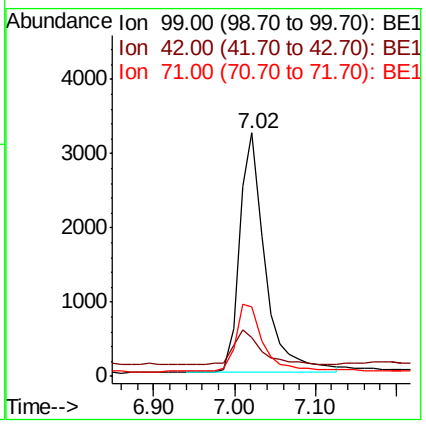


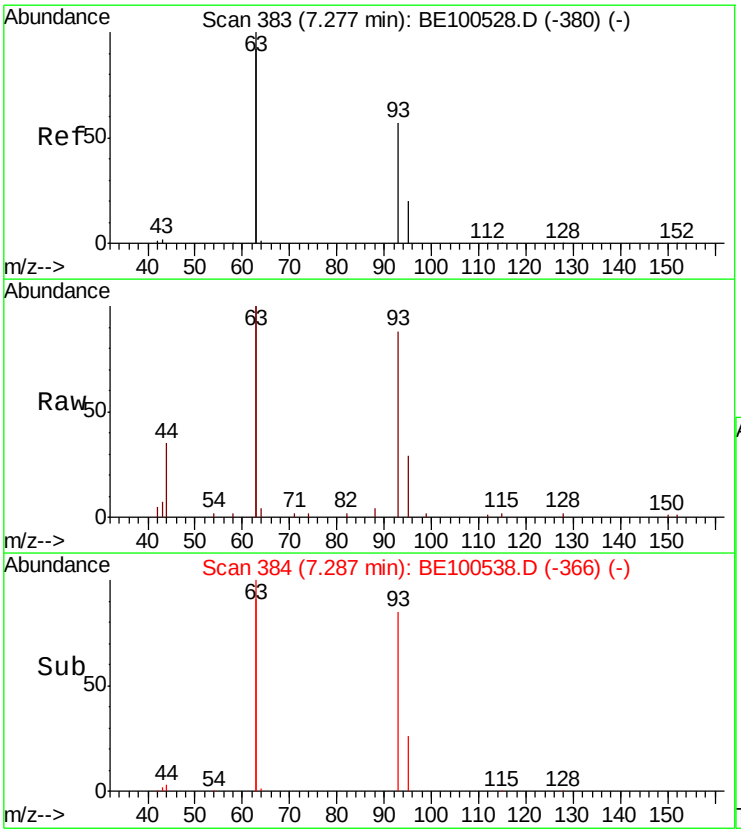
#5
Phenol-d6
Concen: 0.371 ng
RT: 7.02 min Scan# 361
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion: 99 Resp: 7059

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.6
71	29.4	23.4	35.0

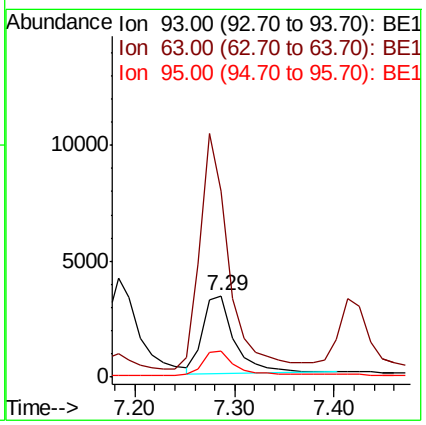


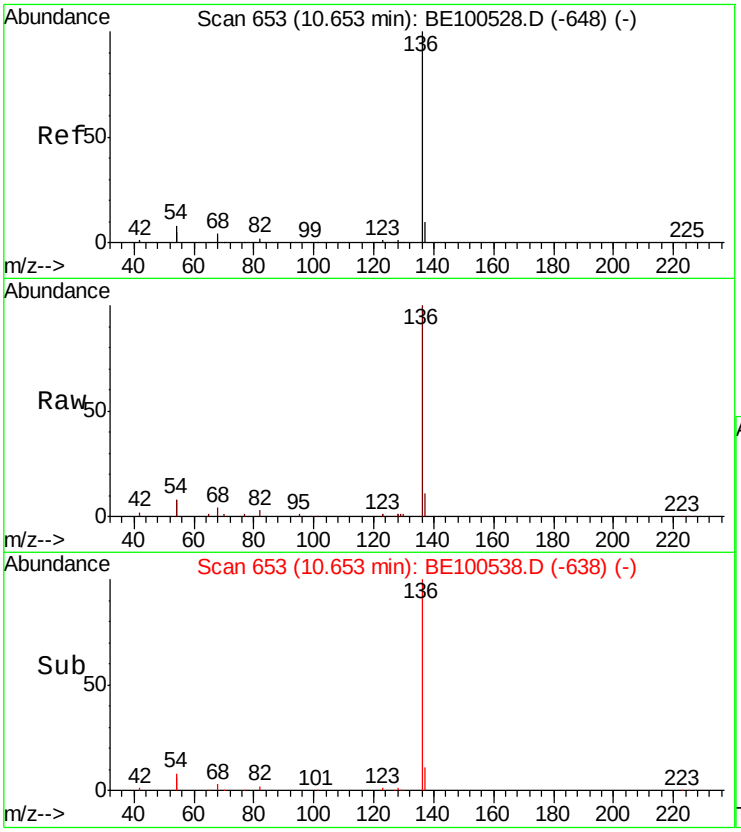


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.01 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion: 93 Resp: 7368

Ion	Ratio	Lower	Upper
93	100		
63	273.7	213.4	320.0
95	32.6	23.7	35.5



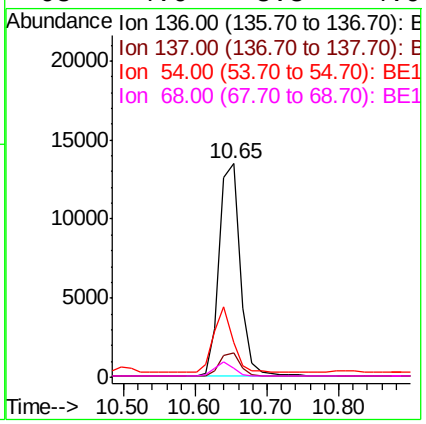


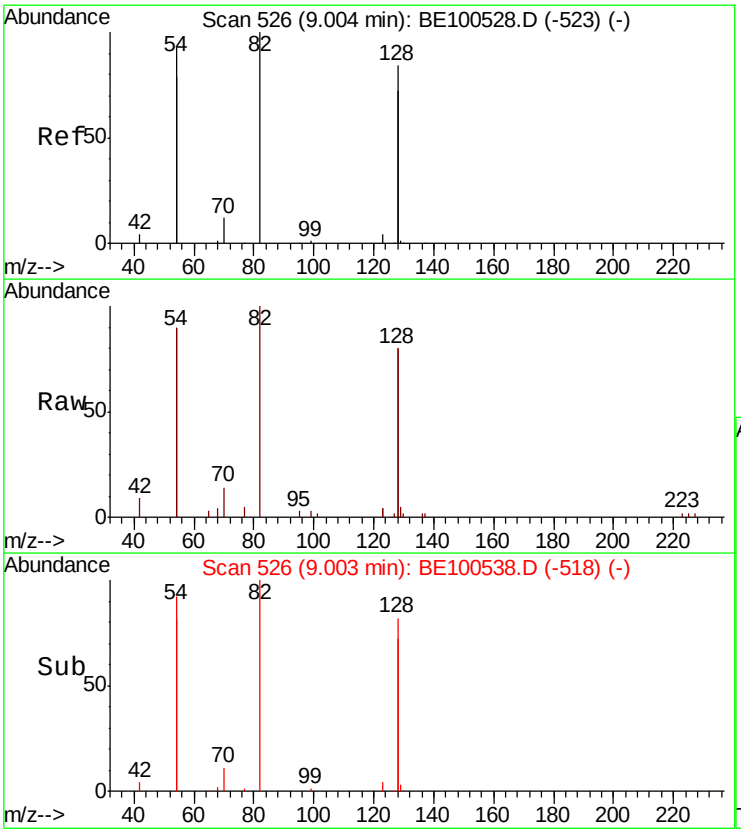
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:136 Resp: 27553

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	15.9	12.4	18.6
68	4.0	3.3	4.9

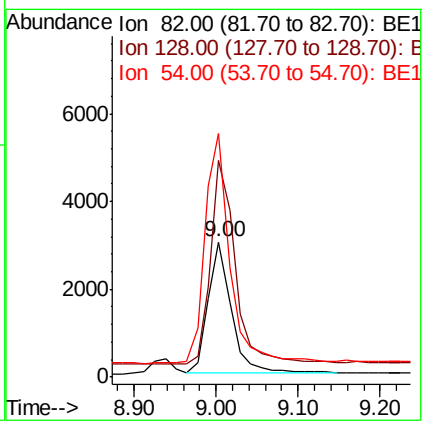


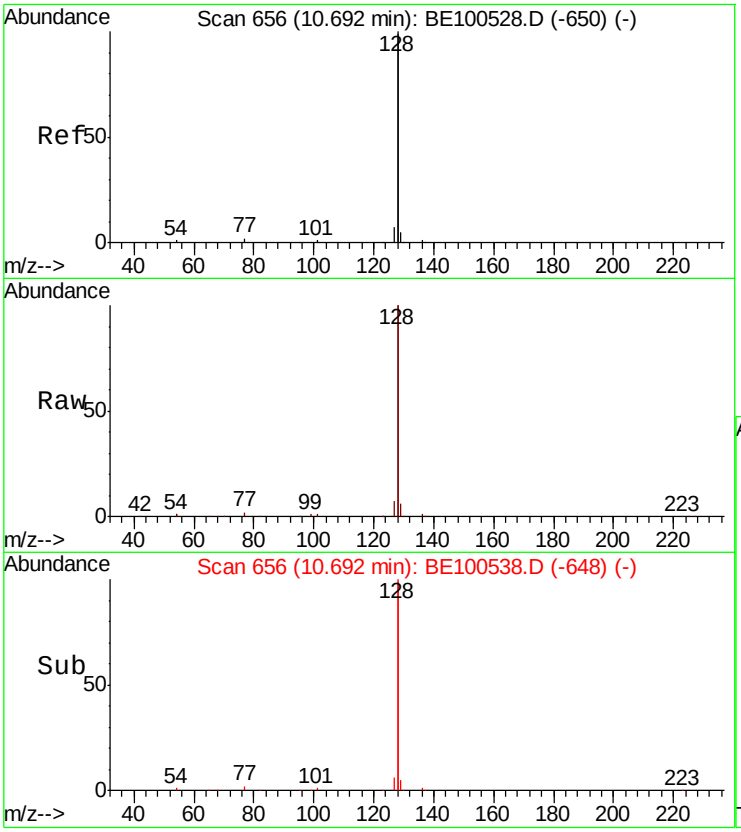


#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 9.00 min Scan# 526
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion: 82 Resp: 5844

Ion	Ratio	Lower	Upper
82	100		
128	159.9	129.4	194.2
54	179.9	143.3	214.9



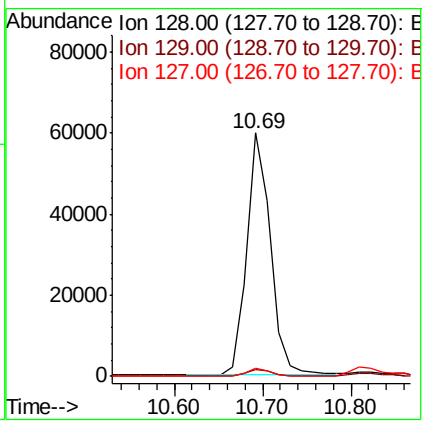


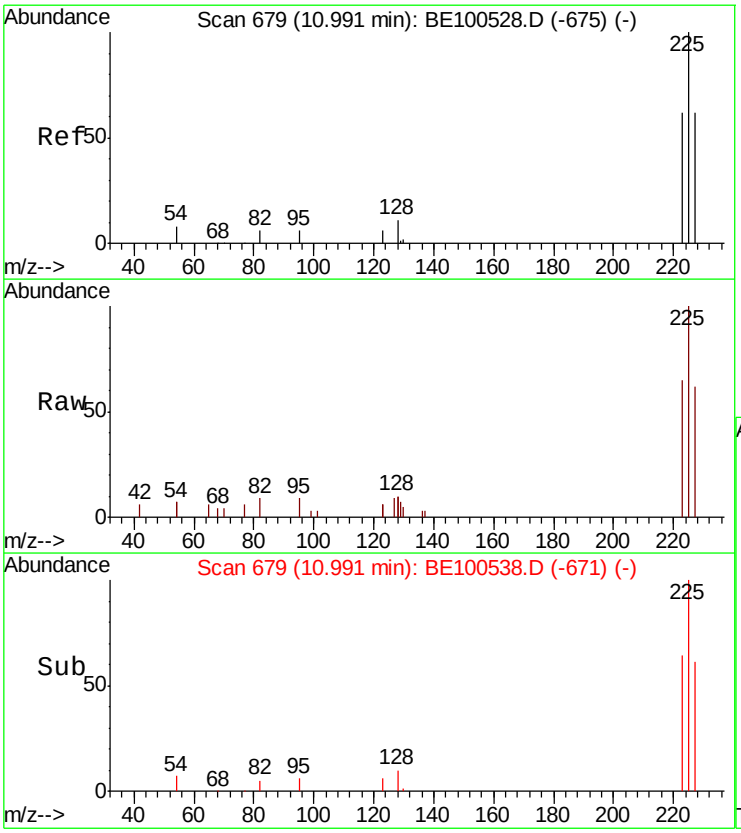
#9
Naphthalene
Concen: 0.390 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:128 Resp: 111343

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.3	2.7	4.1

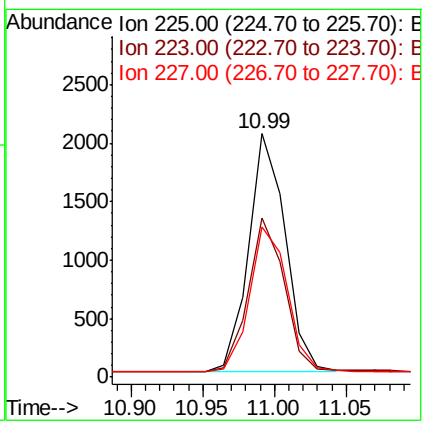


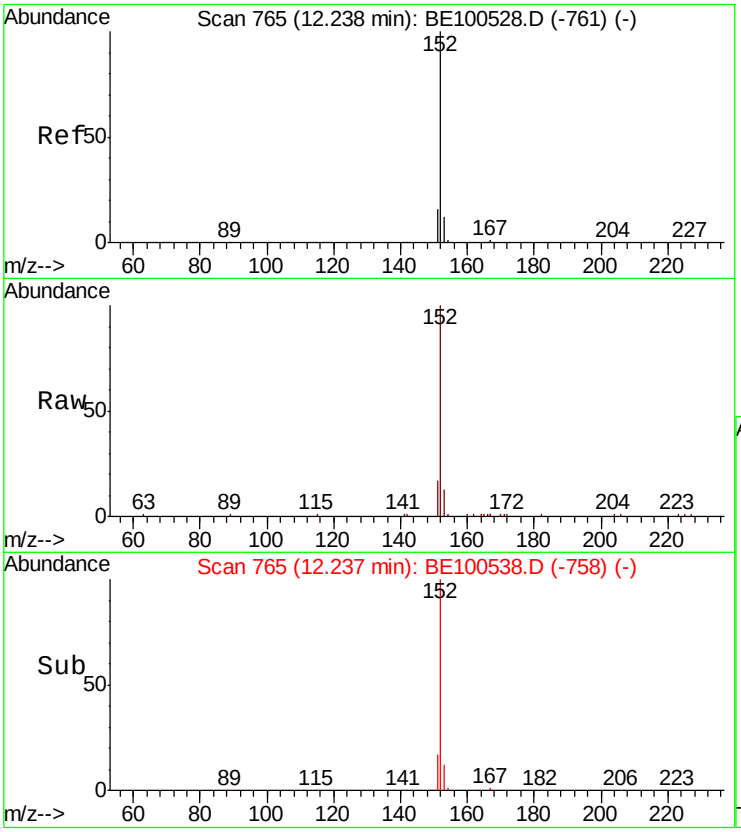


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:225 Resp: 3602

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	62.7	51.4	77.2



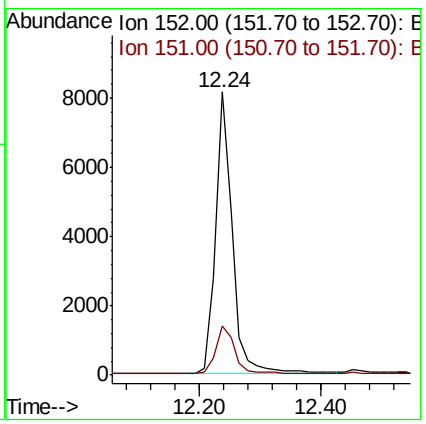


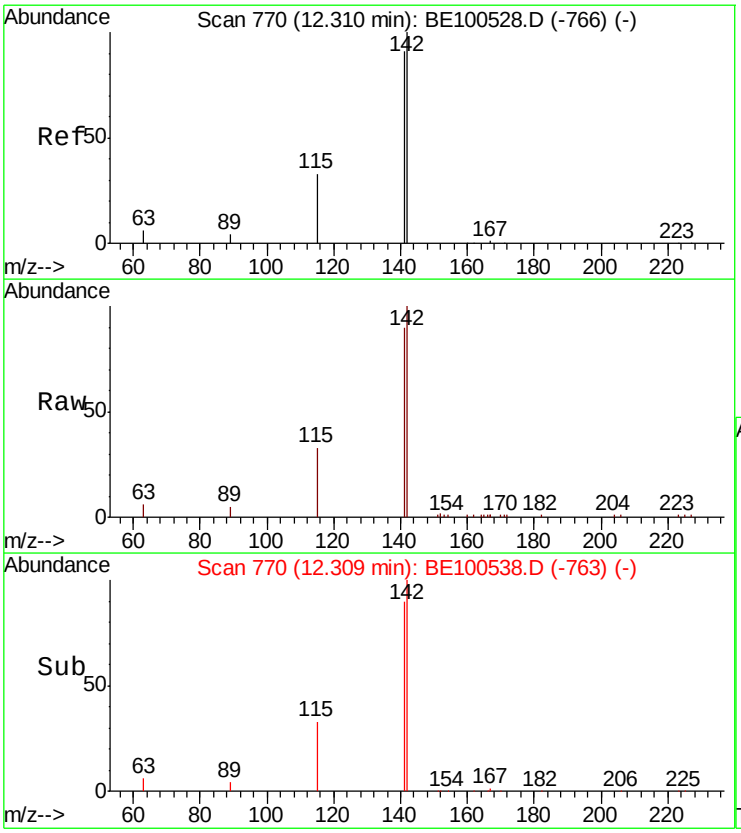
#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:152 Resp: 15485

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

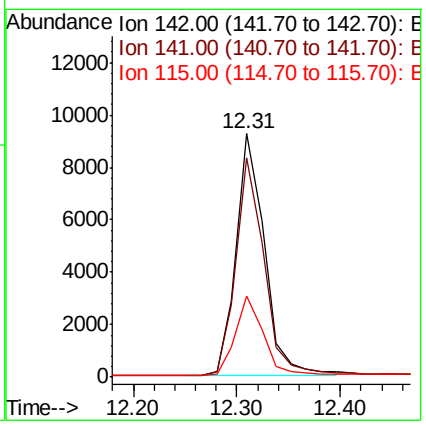


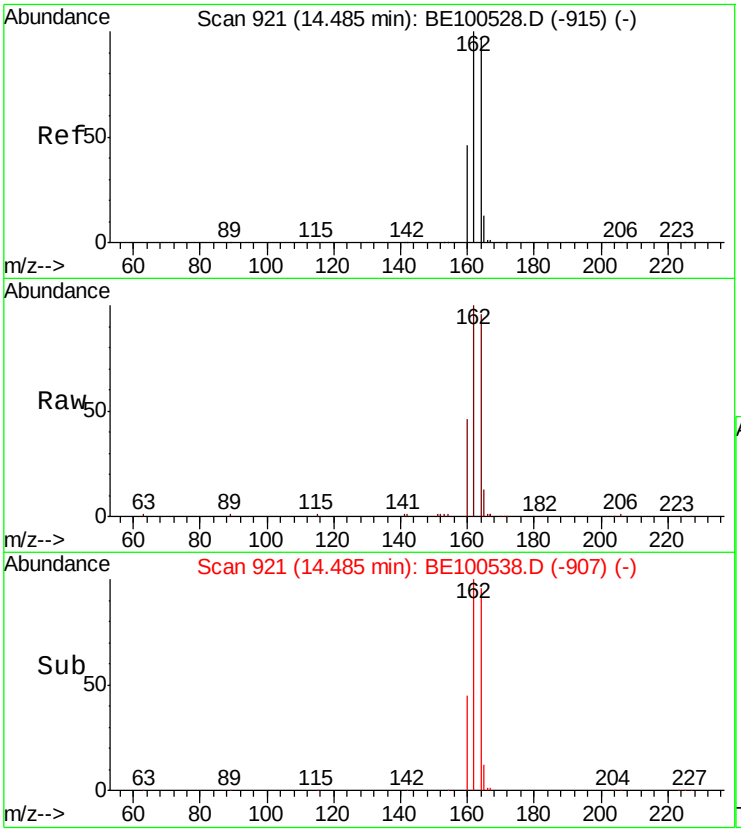


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:142 Resp: 17528

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.5	108.7
115	33.1	27.2	40.8



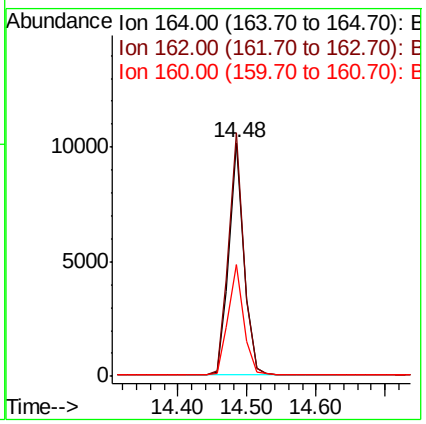


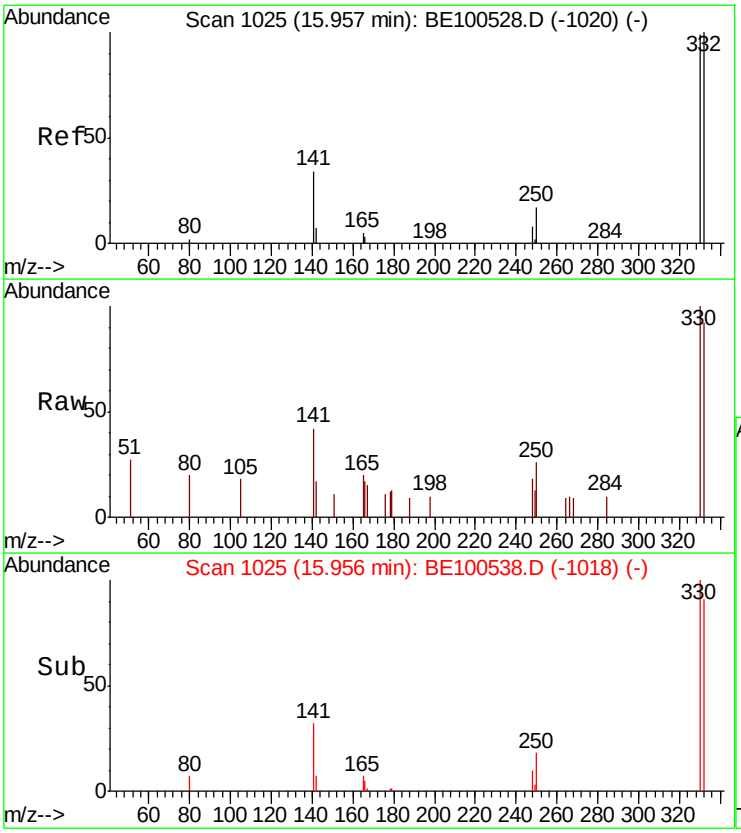
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:164 Resp: 15400

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.1	123.1
160	47.6	37.6	56.4

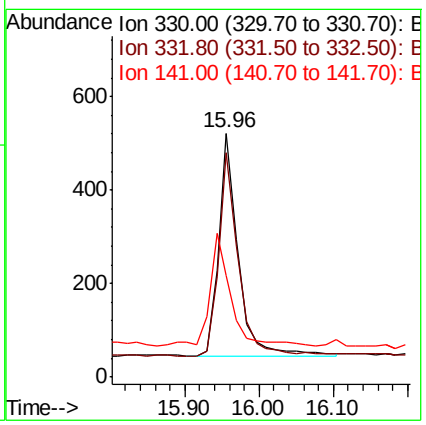


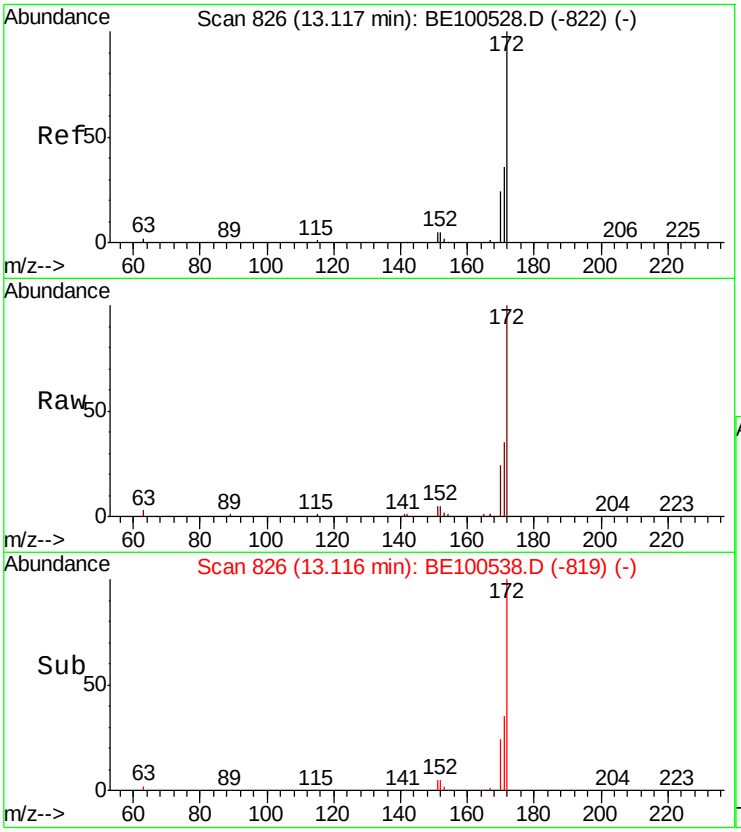


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:330 Resp: 880

Ion	Ratio	Lower	Upper
330	100		
332	92.5	75.5	113.3
141	52.2	42.3	63.5



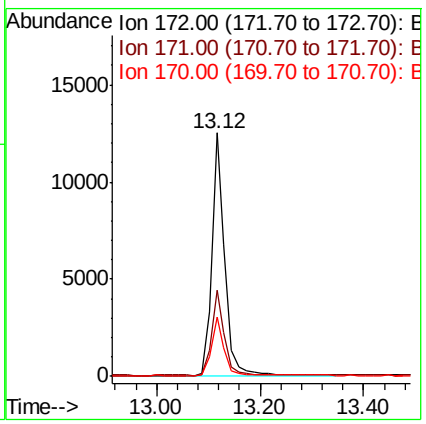


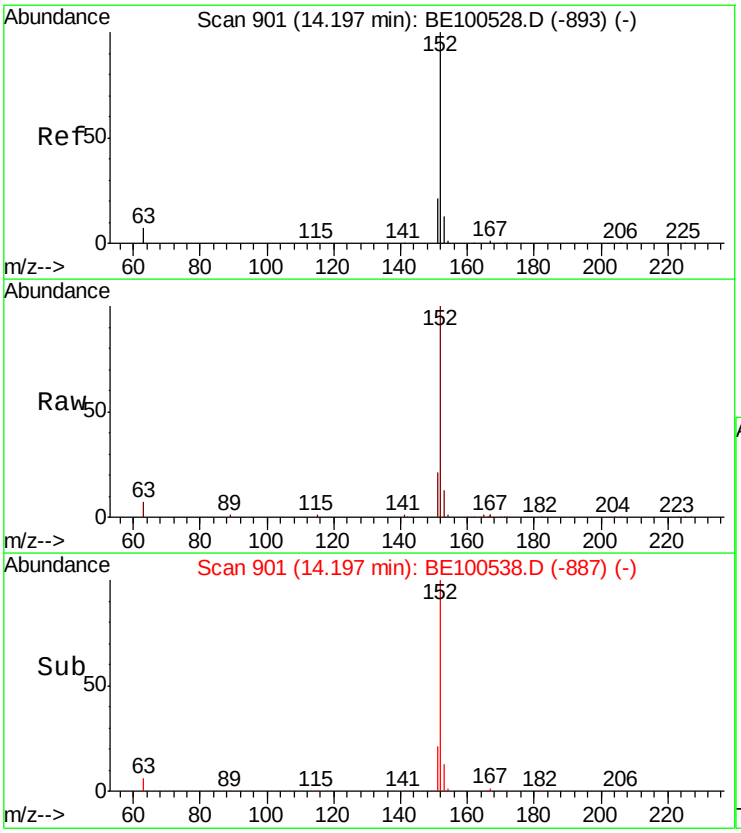
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:172 Resp: 21869

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	24.4	19.4	29.0

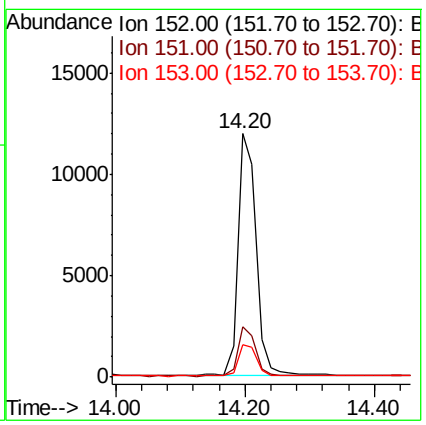


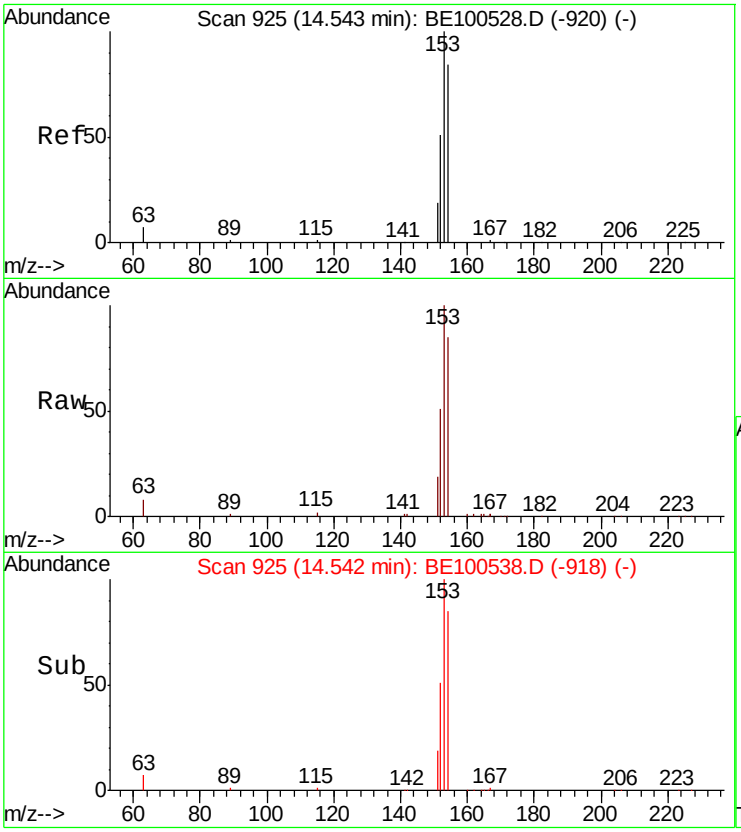


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:152 Resp: 23201

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.4	10.7	16.1



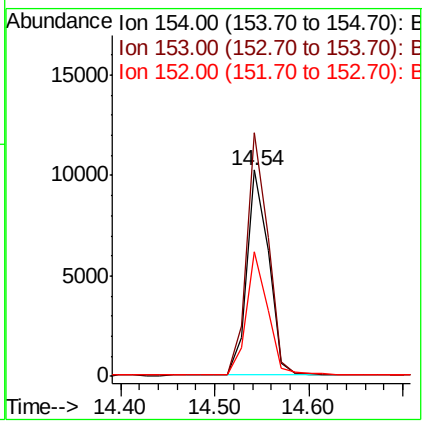


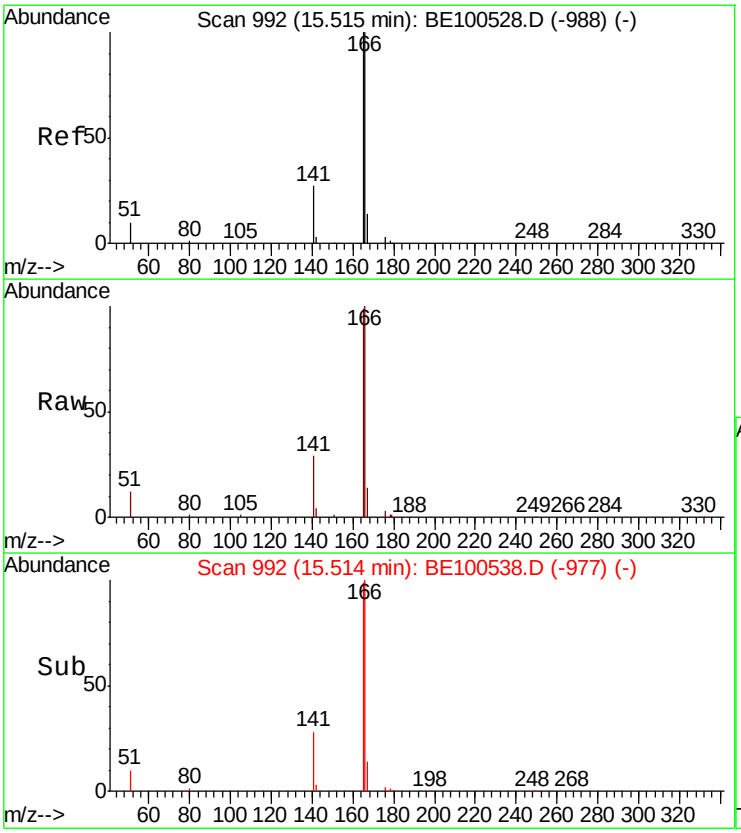
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:154 Resp: 16545

Ion	Ratio	Lower	Upper
154	100		
153	116.9	93.7	140.5
152	58.7	47.3	70.9

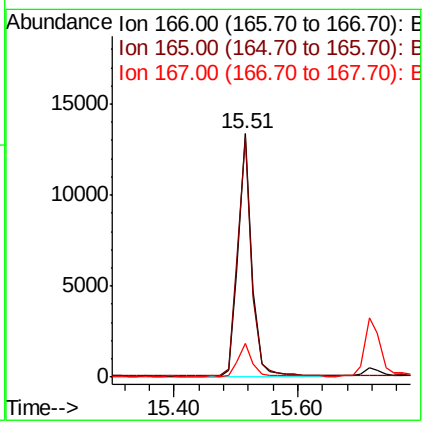


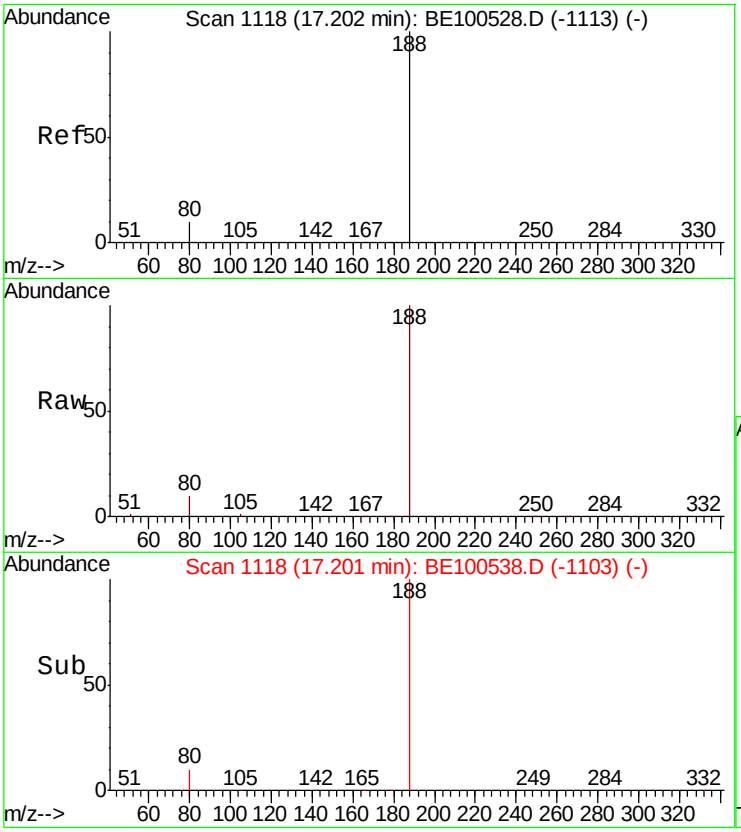


#18
Fluorene
Concen: 0.383 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:166 Resp: 20505

Ion	Ratio	Lower	Upper
166	100		
165	99.5	80.1	120.1
167	13.6	10.9	16.3



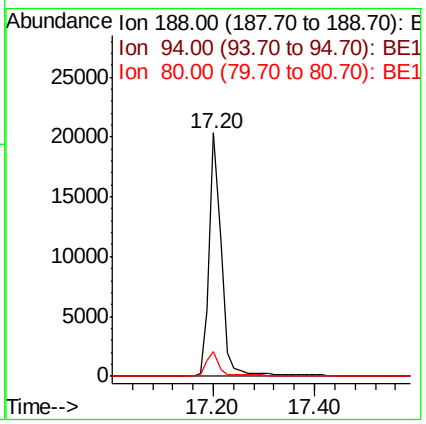


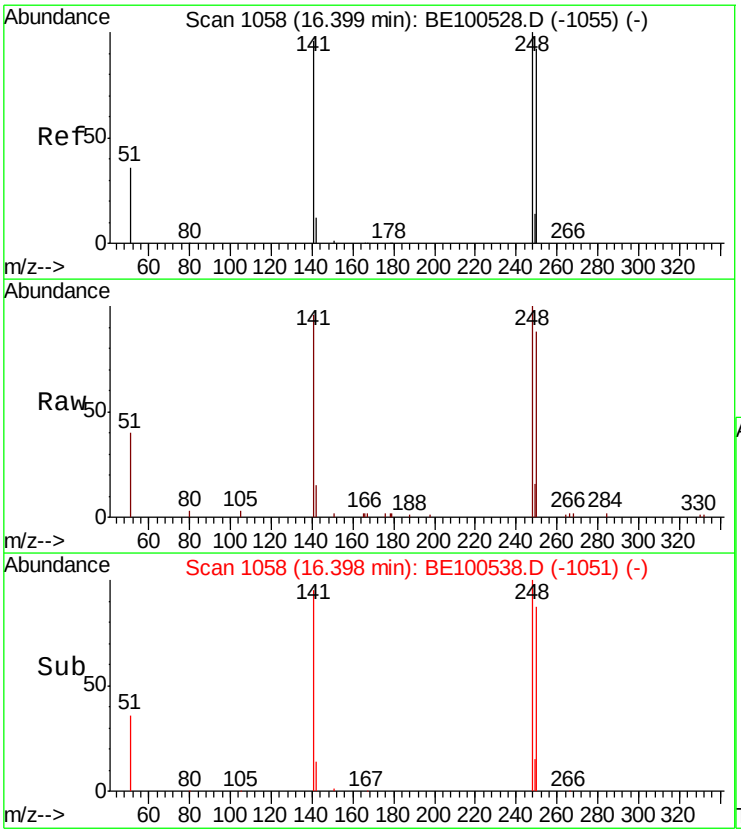
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:188 Resp: 33231

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	8.0	12.0

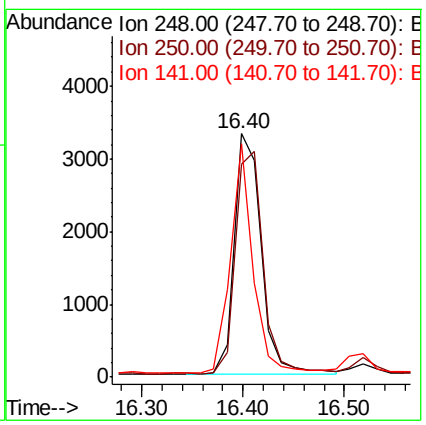


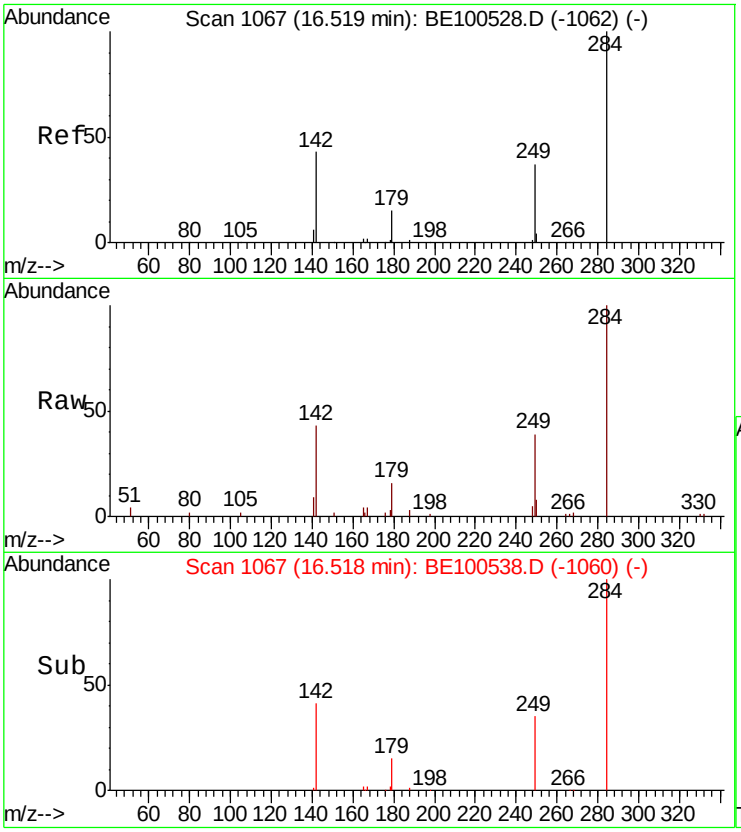


#20
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:248 Resp: 6104

Ion	Ratio	Lower	Upper
248	100		
250	87.6	73.5	110.3
141	95.6	77.0	115.4



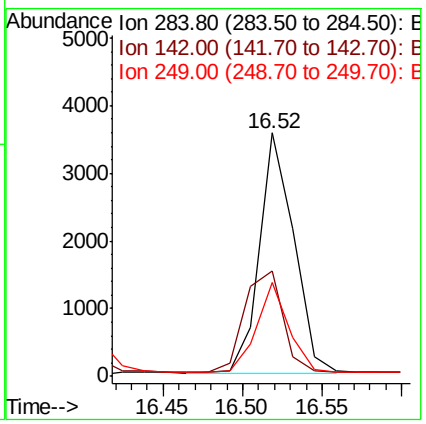


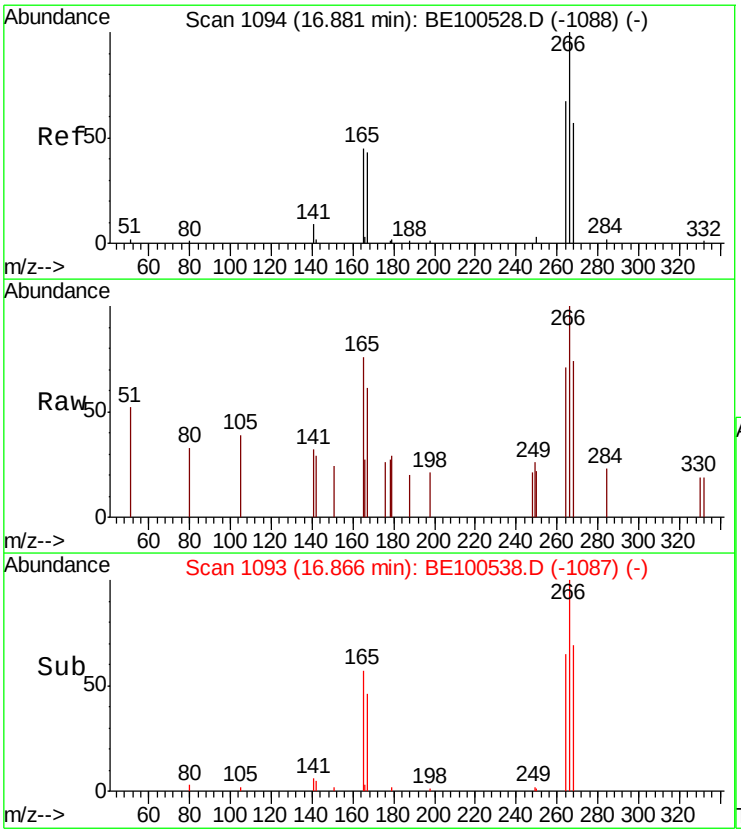
#21
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:284 Resp: 5311

Ion	Ratio	Lower	Upper
284	100		
142	47.6	39.0	58.6
249	35.2	28.2	42.2

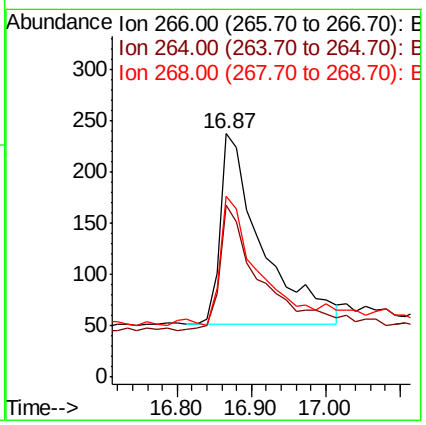


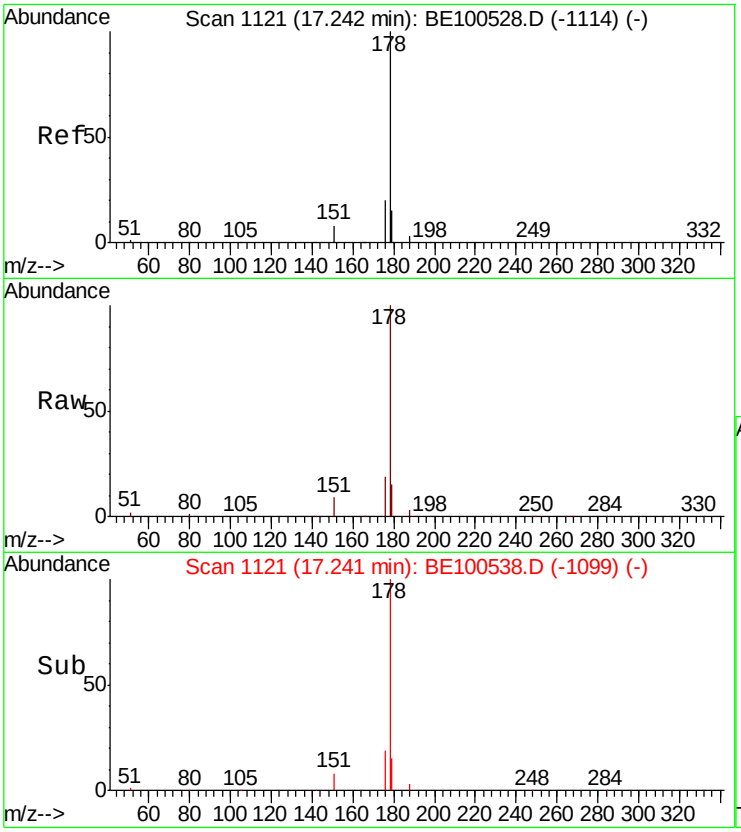


#22
Pentachlorophenol
Concen: 0.399 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:266 Resp: 726

Ion	Ratio	Lower	Upper
266	100		
264	70.6	57.6	86.4
268	74.4	55.1	82.7



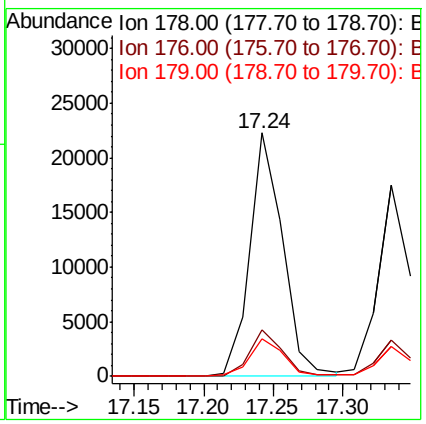


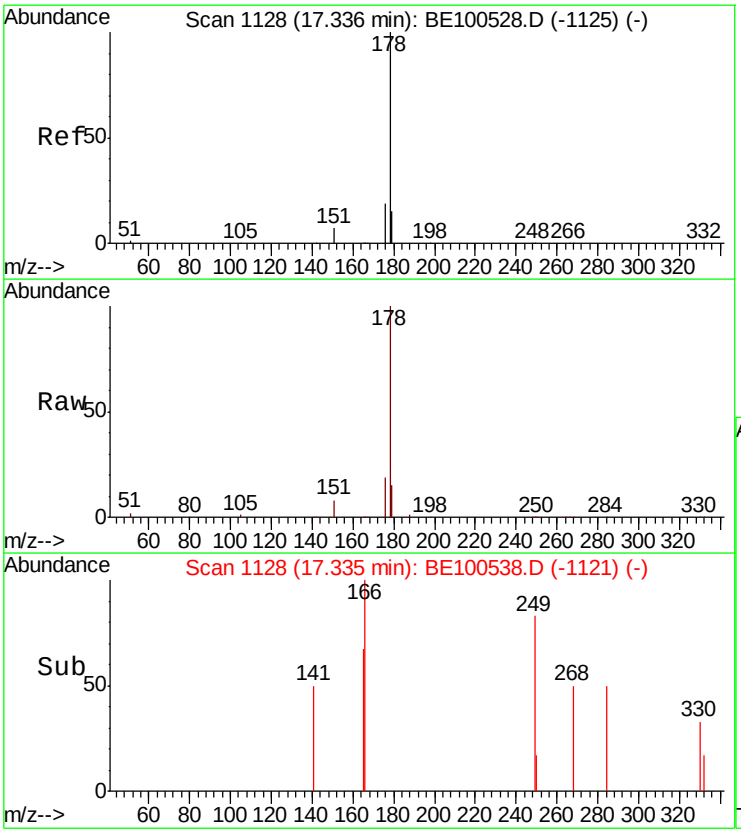
#23
Phenanthrene
Concen: 0.392 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:178 Resp: 36304

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.5	12.6	18.8

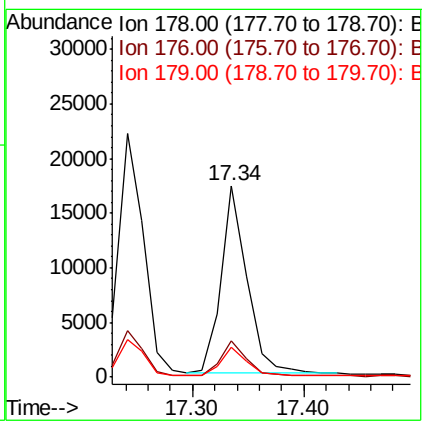


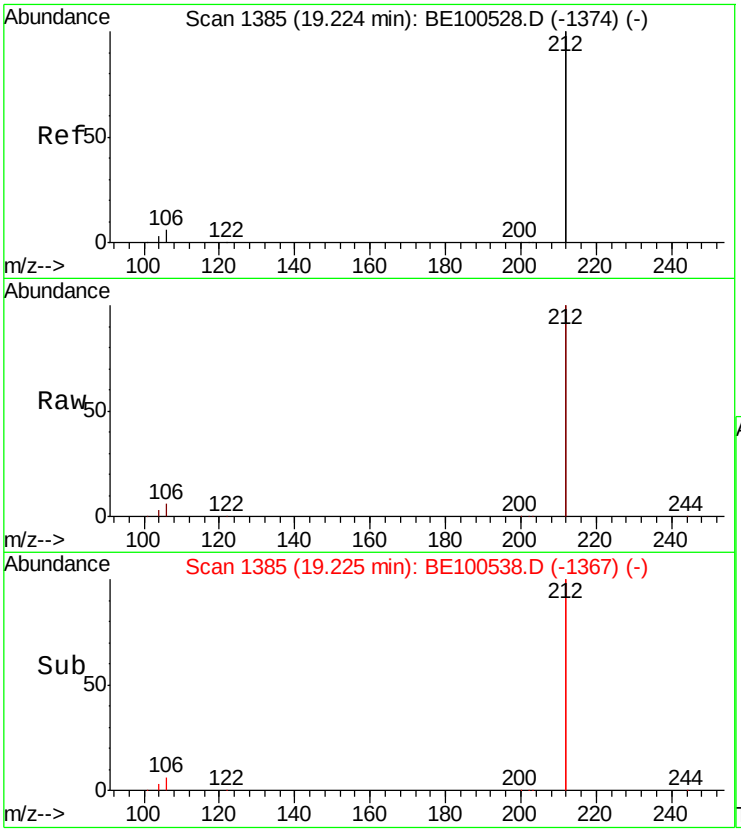


#24
Anthracene
Concen: 0.359 ng
RT: 17.34 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:178 Resp: 27971

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.1	12.2	18.4



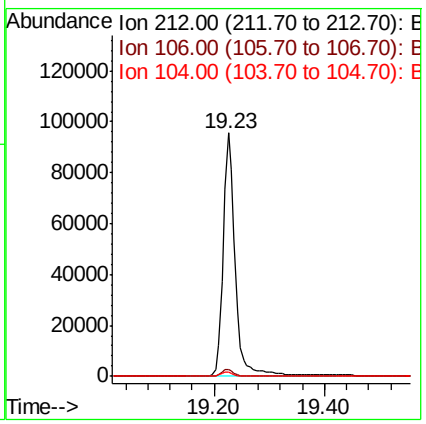


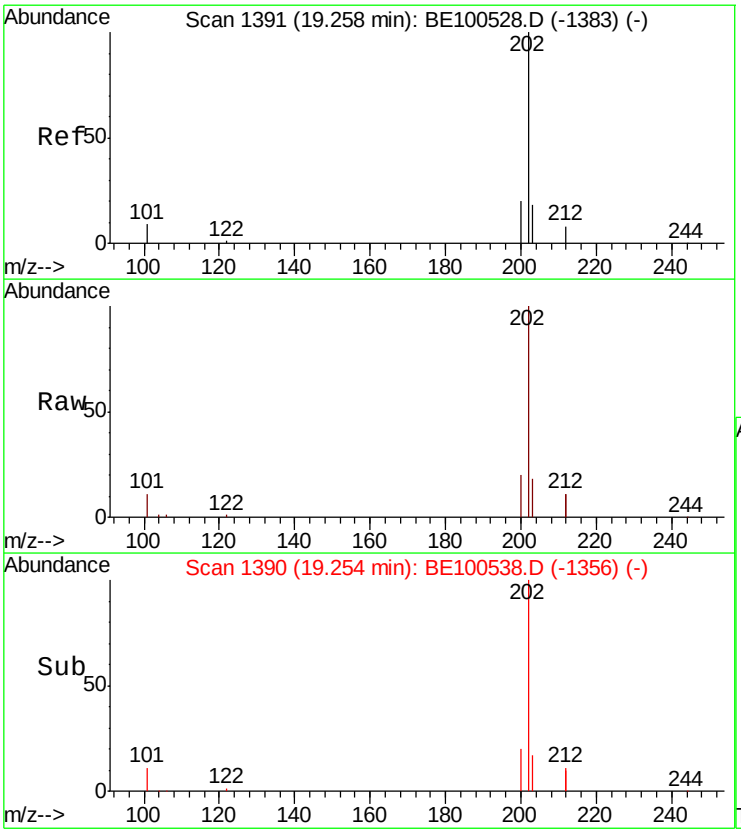
#25
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.23 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:212 Resp: 147599

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.3	3.5
104	1.7	1.3	1.9

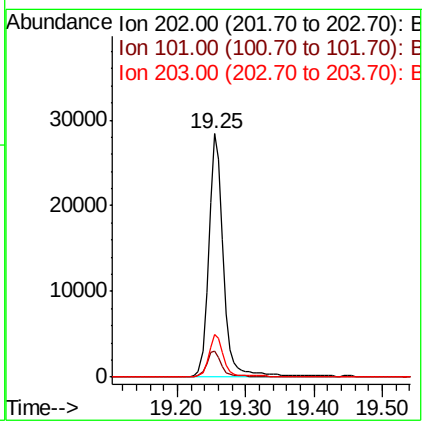


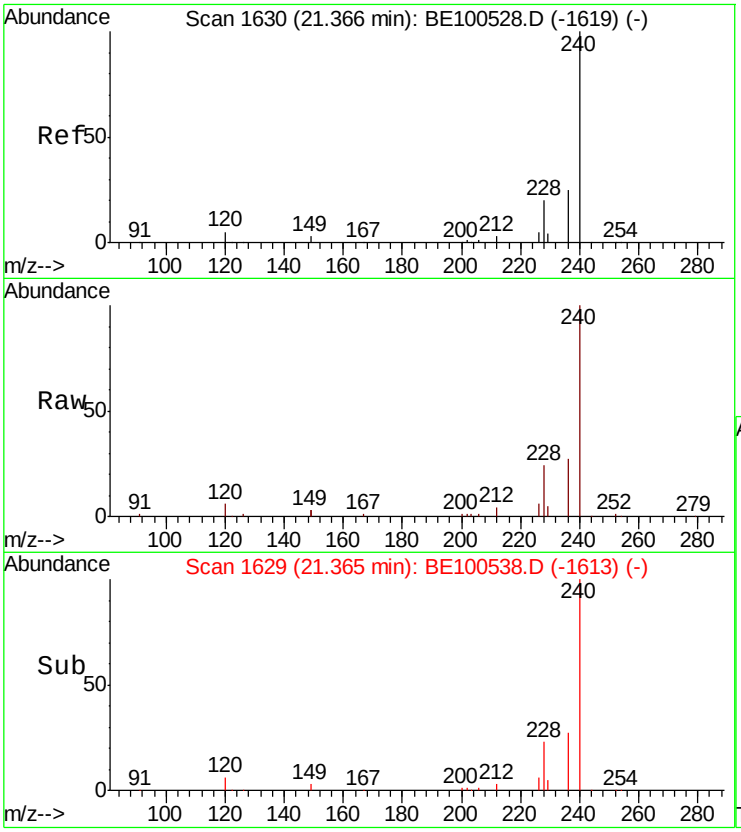


#26
Fluoranthene
Concen: 0.377 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:202 Resp: 42089

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.8	13.2
203	17.2	13.7	20.5



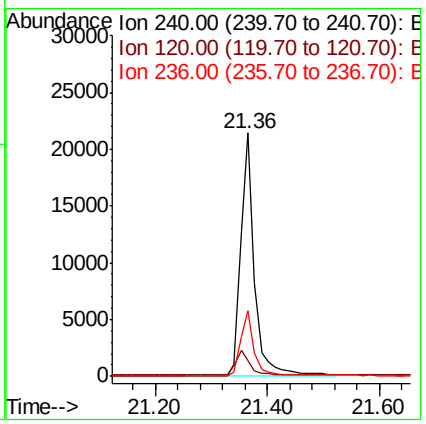


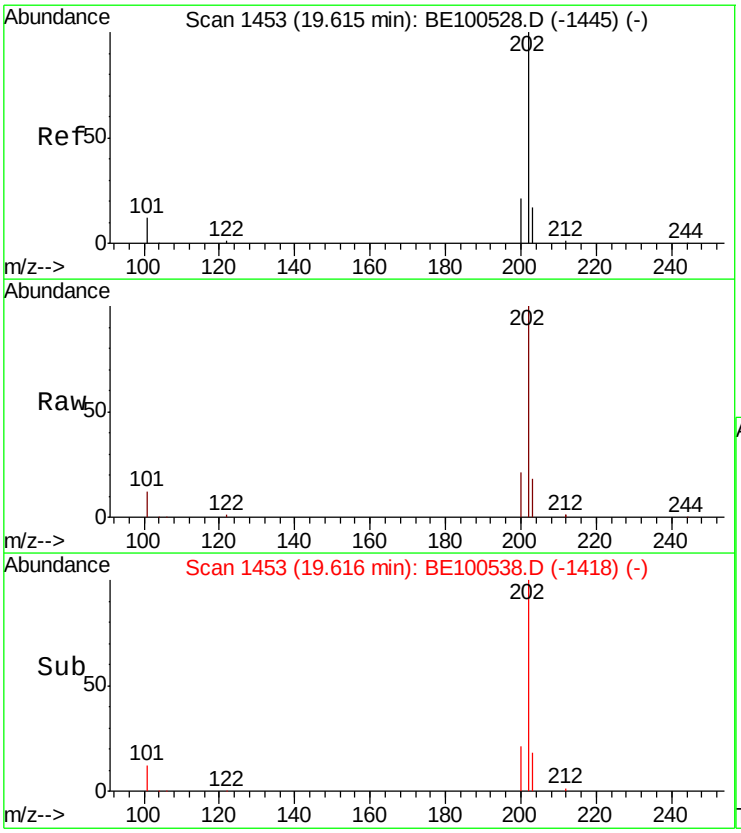
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:240 Resp: 36060

Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.5	6.7
236	27.0	20.6	30.8

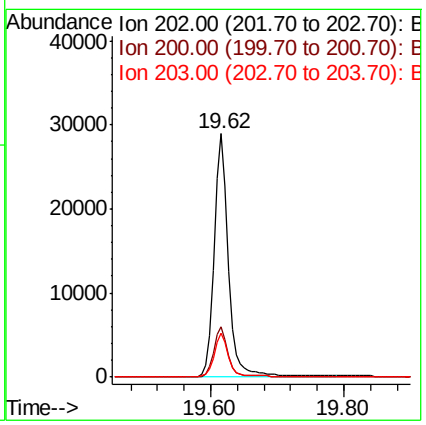


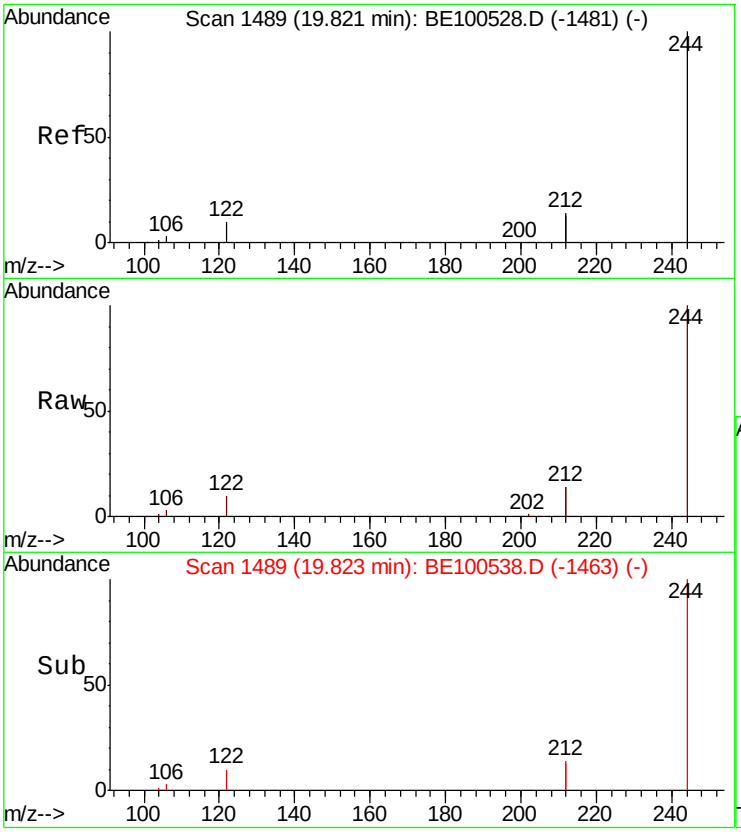


#28
Pyrene
Concen: 0.407 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:202 Resp: 42212

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.7	14.0	21.0



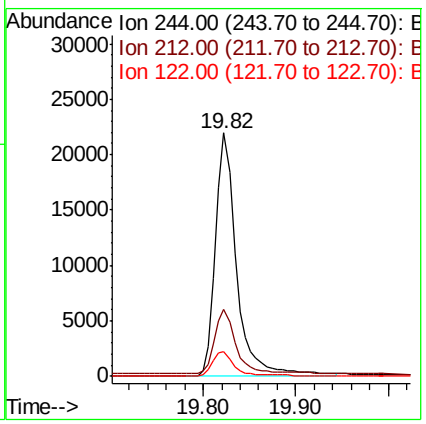


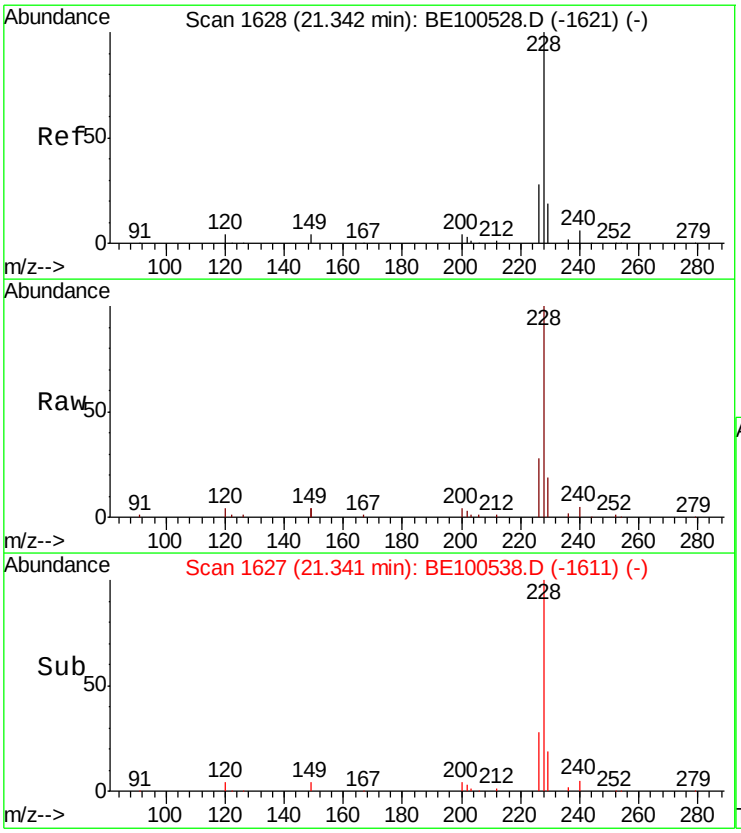
#29
Terphenyl-d14
Concen: 0.404 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:244 Resp: 34489

Ion	Ratio	Lower	Upper
244	100		
212	27.5	22.2	33.2
122	10.0	8.3	12.5

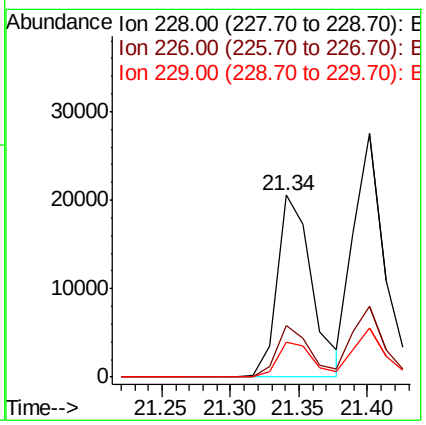


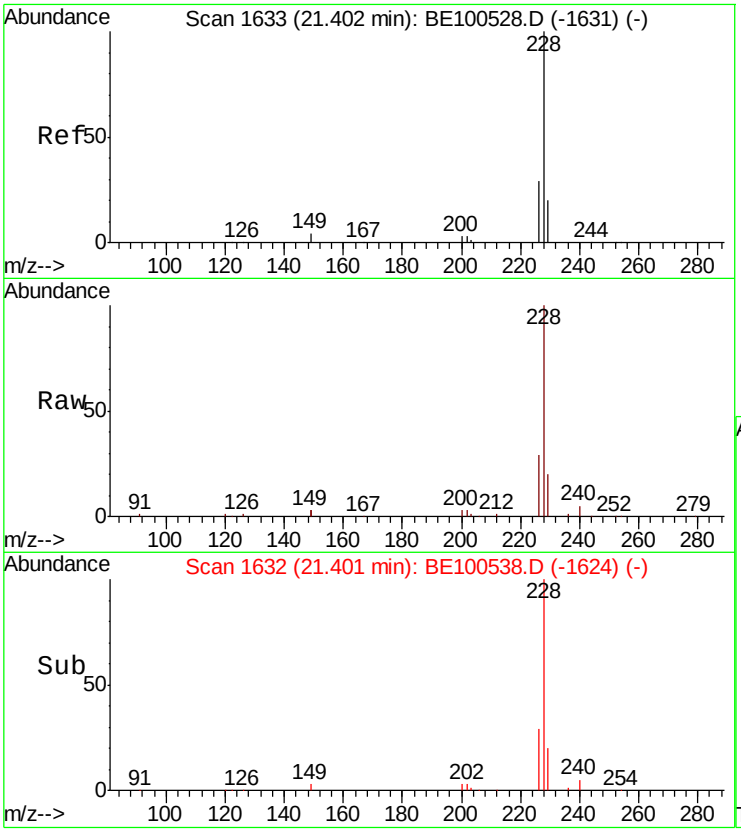


#30
Benzo(a)anthracene
Concen: 0.372 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:228 Resp: 35866

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	19.4	15.4	23.2



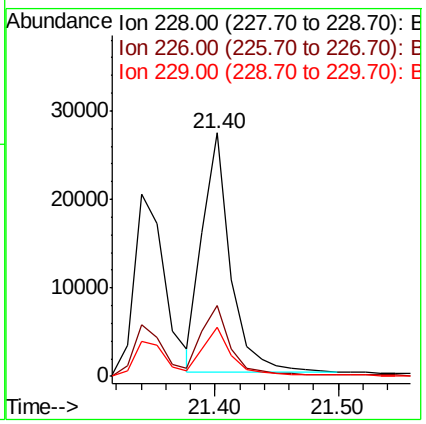


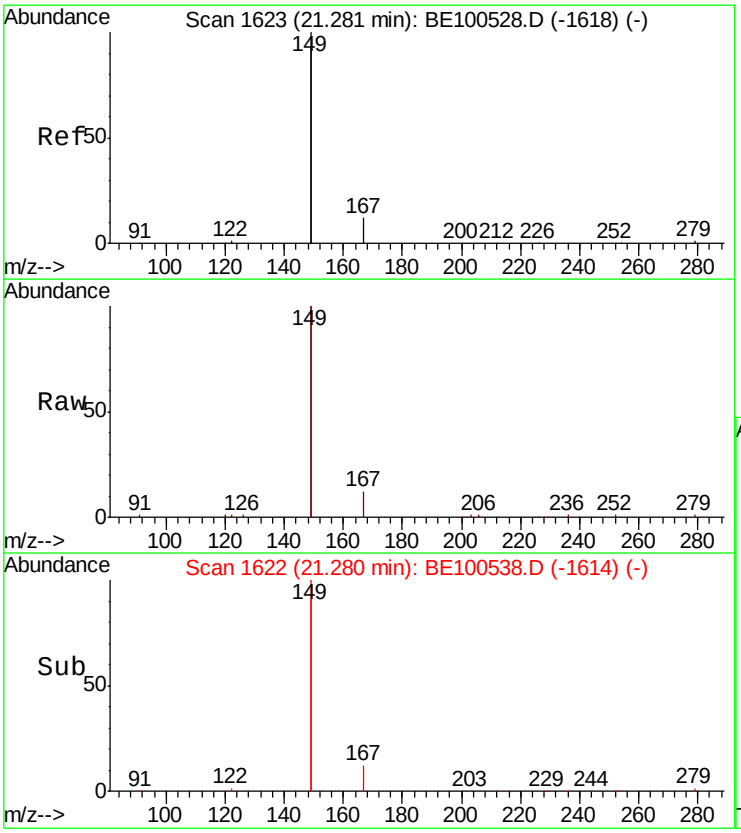
#31
Chrysene
Concen: 0.388 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:228 Resp: 42601

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.3	34.9
229	20.3	16.3	24.5

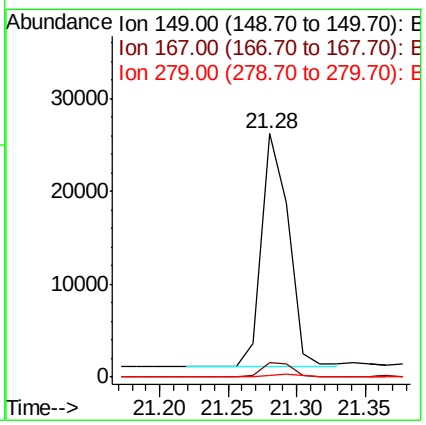


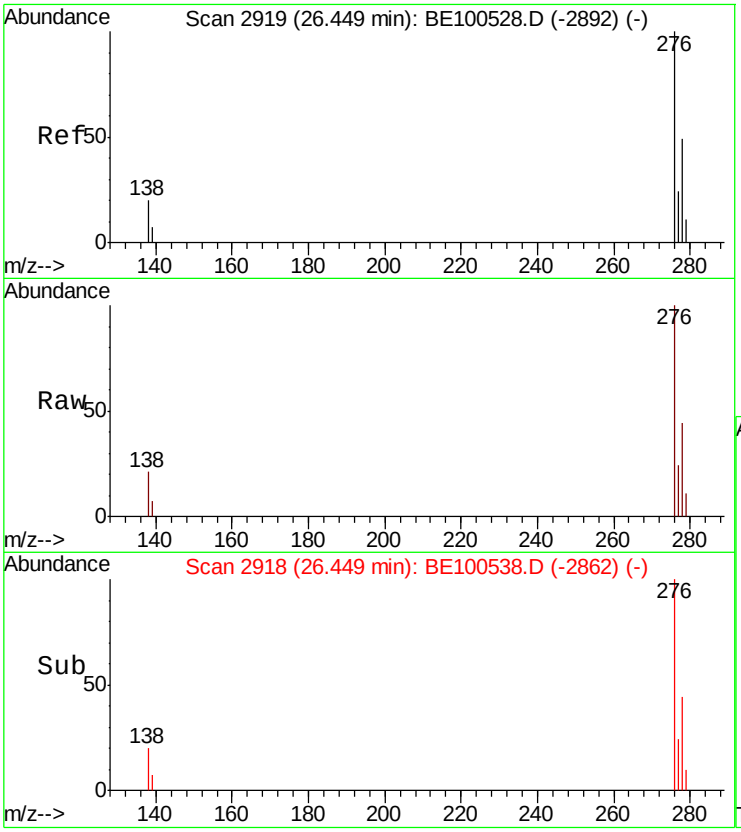


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.334 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:149 Resp: 34720

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	1.1	1.0	1.4



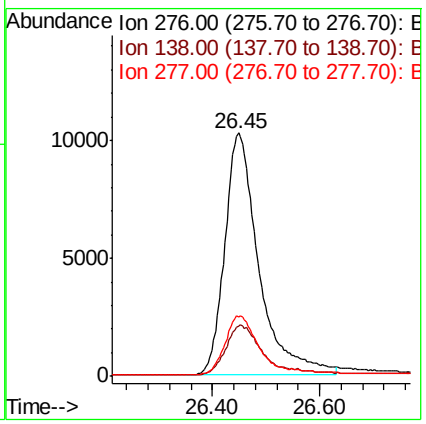


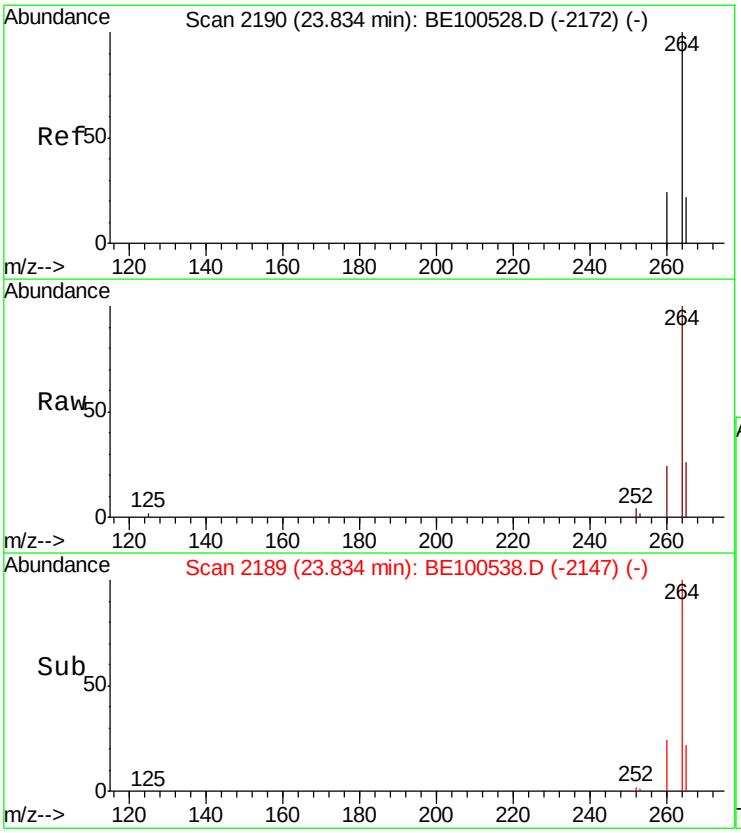
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 26.45 min Scan# 2918
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:276 Resp: 45468

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.7	26.5
277	25.1	19.9	29.9

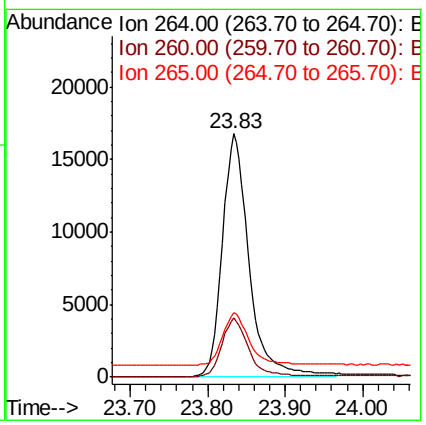


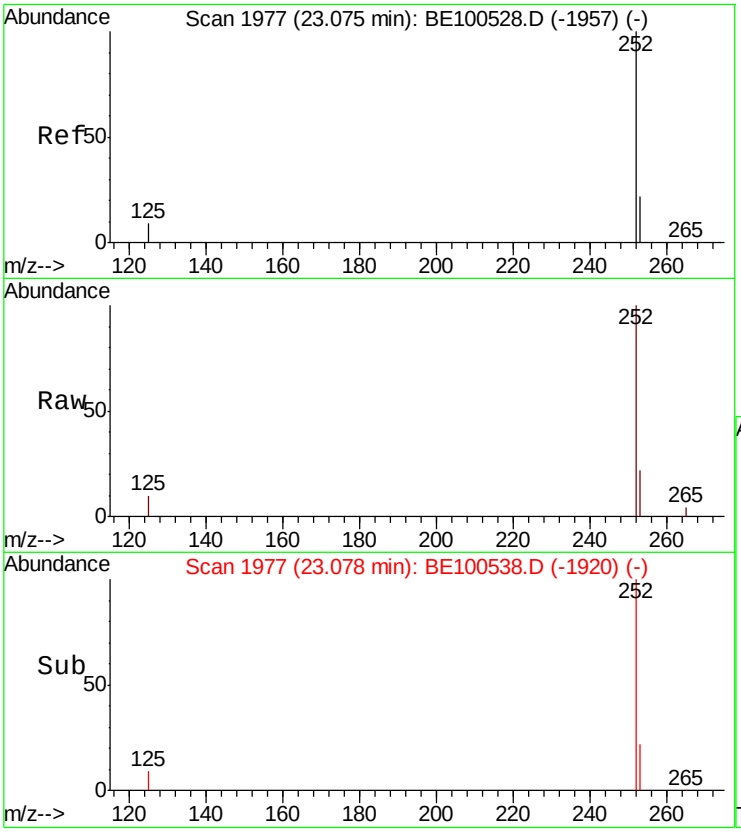


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:264 Resp: 39853

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	26.5	21.8	32.8



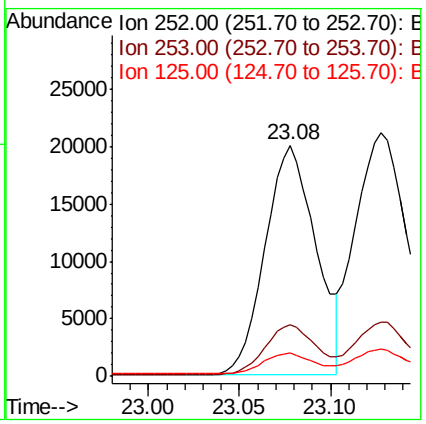


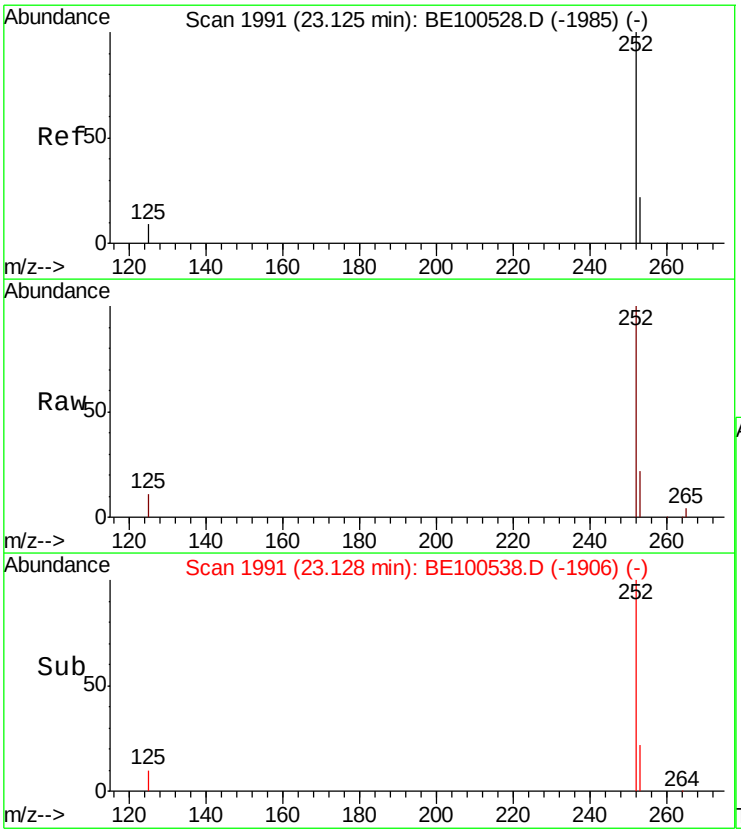
#35
Benzo(b)fluoranthene
Concen: 0.359 ng
RT: 23.08 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:252 Resp: 38662

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.1	8.0	12.0

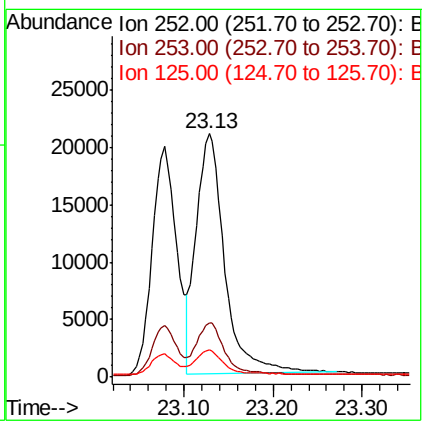


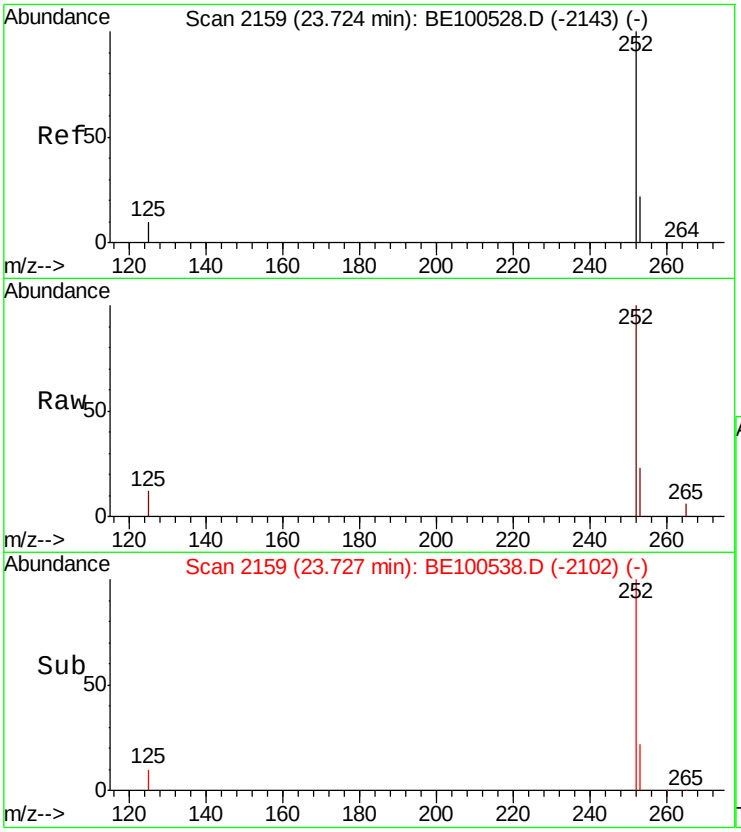


#36
Benzo(k)fluoranthene
Concen: 0.371 ng
RT: 23.13 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:252 Resp: 46251

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.2	8.5	12.7



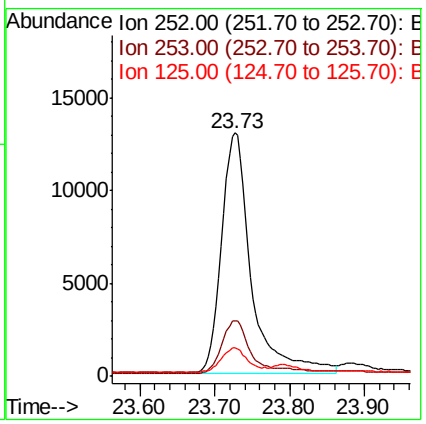


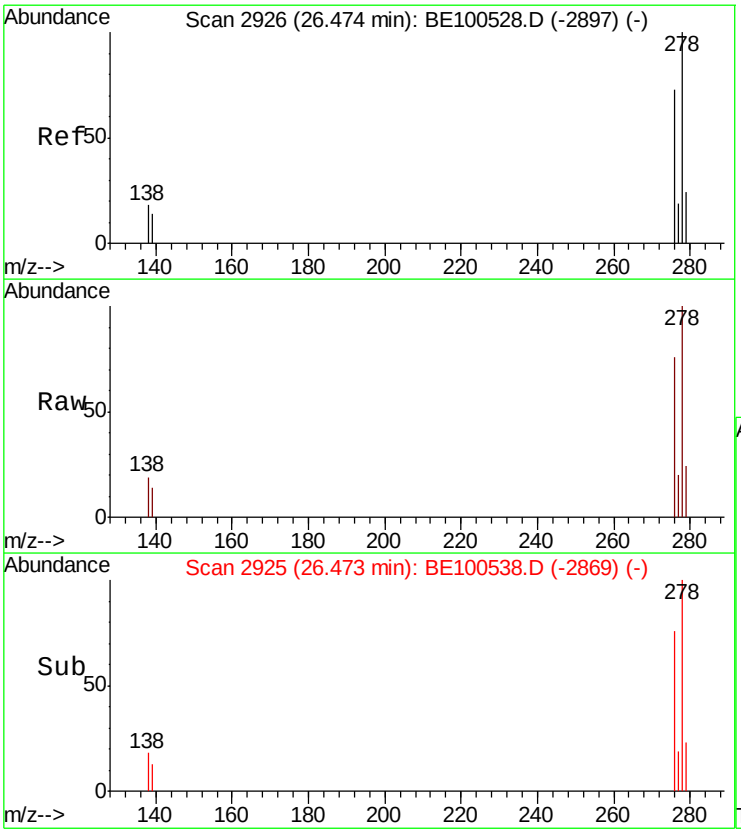
#37
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.73 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:252 Resp: 35530

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.7	9.2	13.8

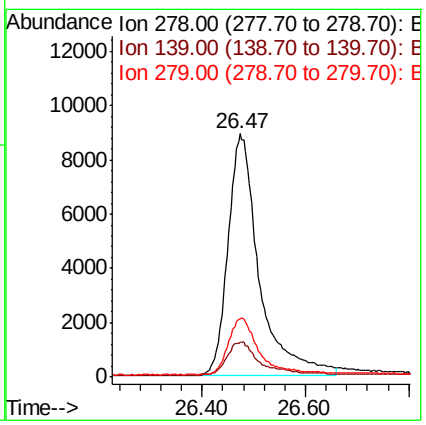


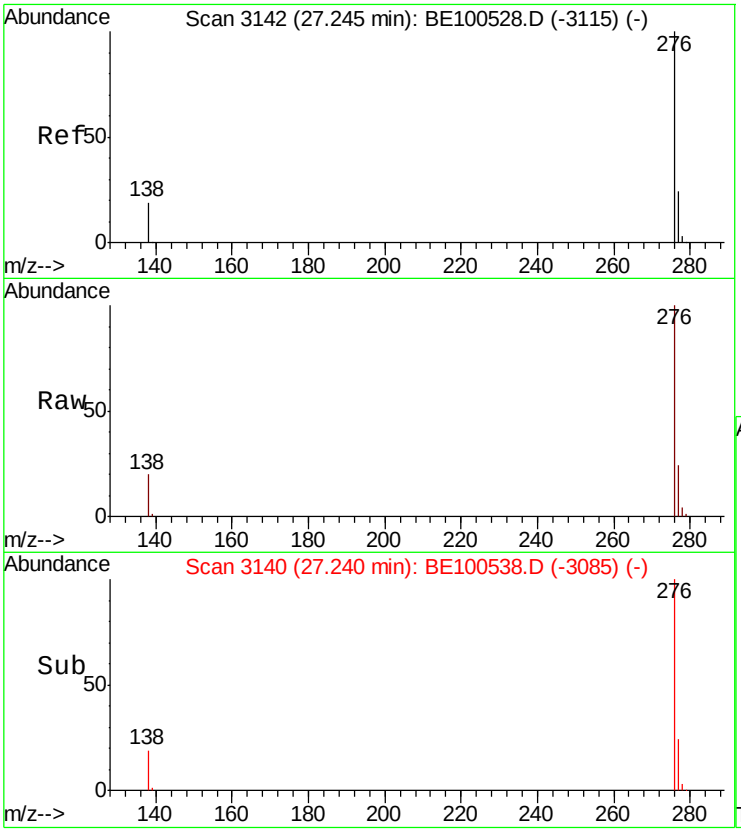


#38
Dibenzo(a,h)anthracene
Concen: 0.358 ng
RT: 26.47 min Scan# 2925
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Tgt Ion:278 Resp: 37556

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.6	17.4
279	23.7	19.7	29.5





#39
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 27.24 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BE100538.D
Acq: 23 Sep 2019 13:45

Instrument :
BNA_E
ClientSampleId :
PB123105BS

Tgt Ion:276 Resp: 40126

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	20.1	15.7	23.5