Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101019\
Data File : BE100626.D
Acq On : 10 Oct 2019 11:01
Operator : JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Oct 10 12:23:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 10 12:09:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	6400	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	25919	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16170	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	36879	0.40	ng	0.00
27) Chrysene-d12	21.37	240	49811	0.40	ng	0.00
34) Perylene-d12	23.85	264	62352	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	7474	0.43	ng	0.00
5) Phenol-d6	7.01	99	10534	0.49	ng	0.00
8) Nitrobenzene-d5	8.99	82	5653	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	15690	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1508	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	23104	0.39	ng	0.00
25) Fluoranthene-d10	19.23	212	183369	0.40	ng	0.00
29) Terphenyl-d14	19.83	244	41198	0.37	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.39	88	4526	0.420	ng	# 100
3) n-Nitrosodimethylamine	3.70	42	4445	0.876	ng	# 99
6) bis(2-Chloroethyl)ether	7.27	93	8580	0.427	ng	100
9) Naphthalene	10.69	128	106185	0.397	ng	100
10) Hexachlorobutadiene	10.99	225	4550	0.528	ng	100
12) 2-Methylnaphthalene	12.31	142	17839	0.406	ng	100
16) Acenaphthylene	14.20	152	26877	0.391	ng	100
17) Acenaphthene	14.54	154	17357	0.377	ng	100
18) Fluorene	15.51	166	23097	0.393	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	7256	0.397	ng	100
21) Hexachlorobenzene	16.52	284	6790	0.442	ng	100
22) Pentachlorophenol	16.85	266	2047	0.482	ng	100
23) Phenanthrene	17.24	178	40863	0.389	ng	100
24) Anthracene	17.33	178	36289	0.402	ng	100
26) Fluoranthene	19.26	202	52810	0.409	ng	100
28) Pyrene	19.62	202	55398	0.434	ng	100
30) Benzo(a)anthracene	21.35	228	64290	0.462	ng	100
31) Chrysene	21.40	228	64432	0.432	ng	100
32) Bis(2-ethylhexyl)phthalate	21.31	149	135949	0.511	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	77228	0.440	ng	100
35) Benzo(b)fluoranthene	23.09	252	67238	0.398	ng	100
36) Benzo(k)fluoranthene	23.14	252	69902	0.364	ng	100
37) Benzo(a)pyrene	23.74	252	62461	0.403	ng	100
38) Dibenzo(a,h)anthracene	26.49	278	63130	0.387	ng	100
39) Benzo(g,h,i)perylene	27.27	276	65285	0.395	ng	100

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

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Data File : BE100626.D
Acq On : 10 Oct 2019 11:01
Operator : JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Oct 10 12:23:36 2019
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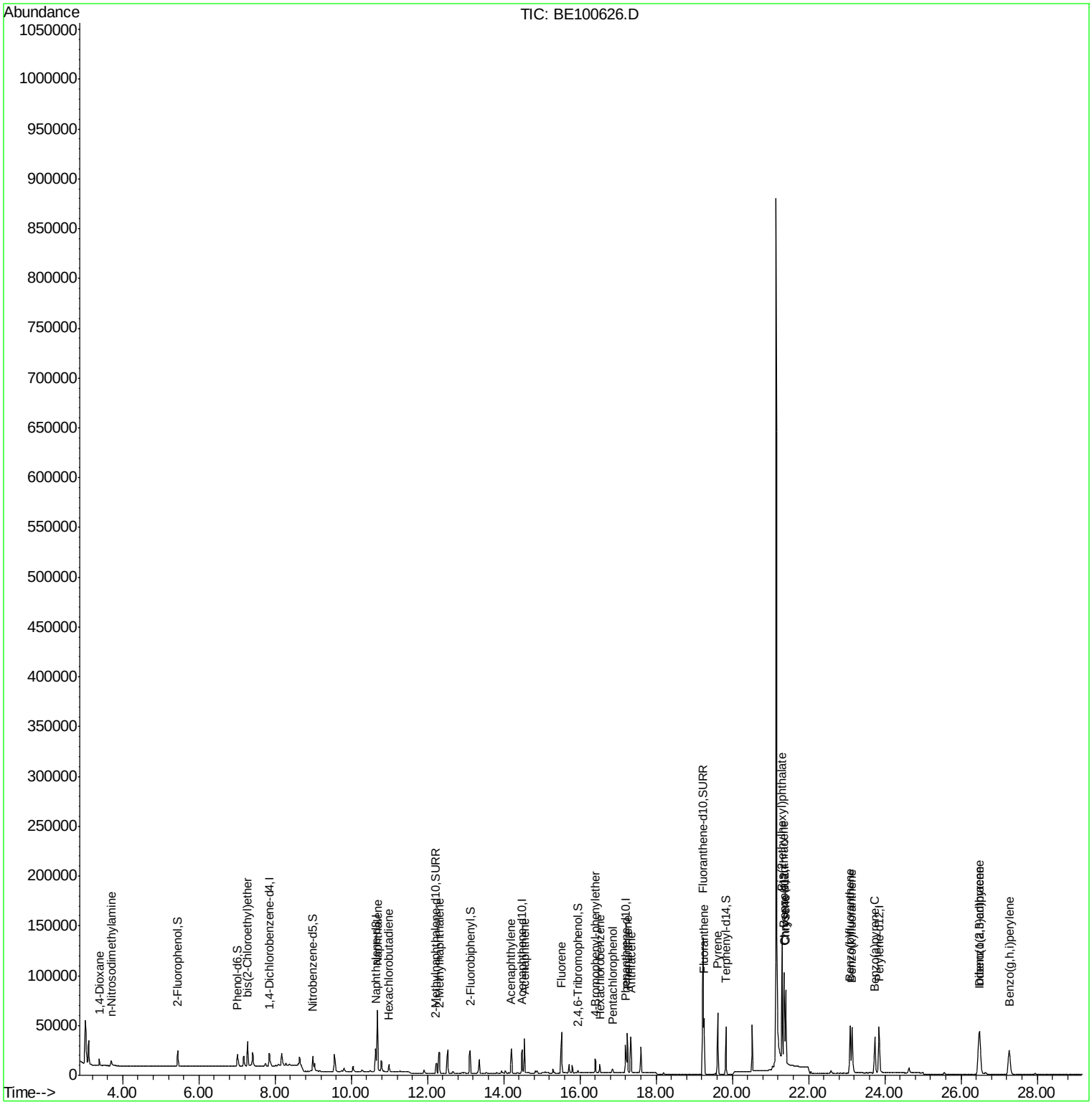
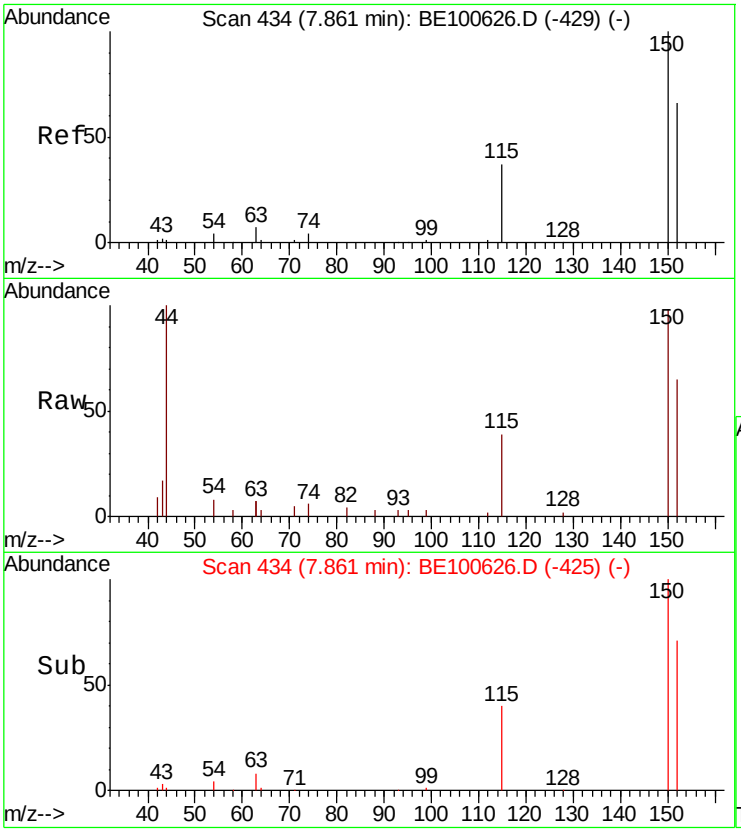
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 10 12:09:50 2019
Response via : Initial Calibration



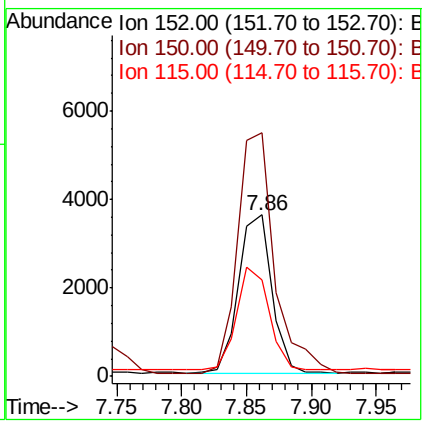


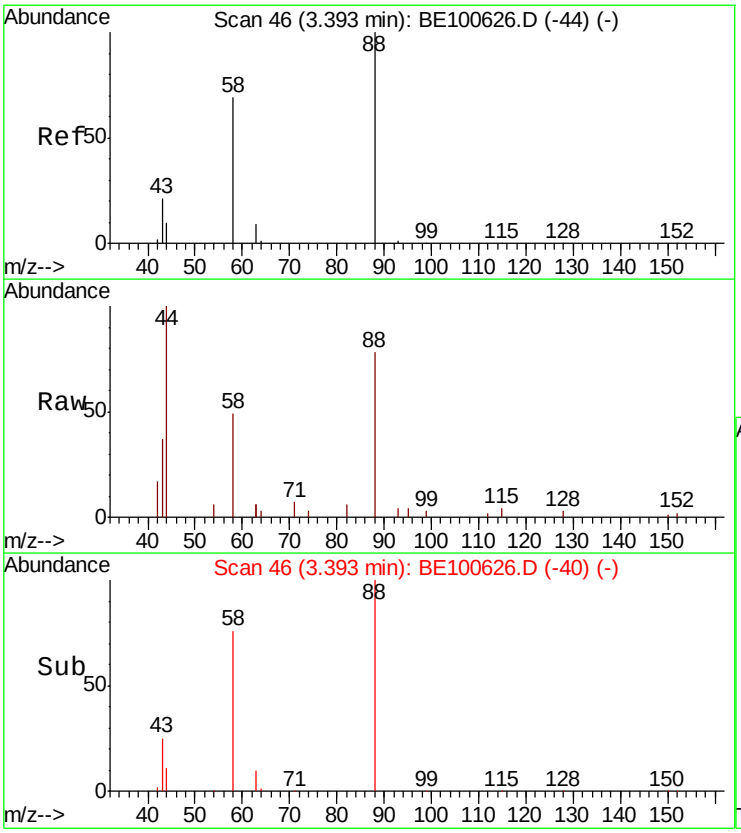
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6400

Ion	Ratio	Lower	Upper
152	100		
150	150.9	120.7	181.1
115	60.0	48.0	72.0

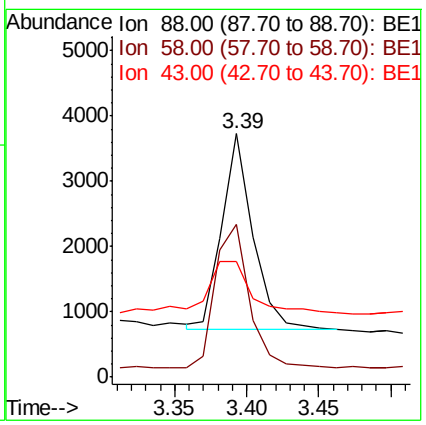


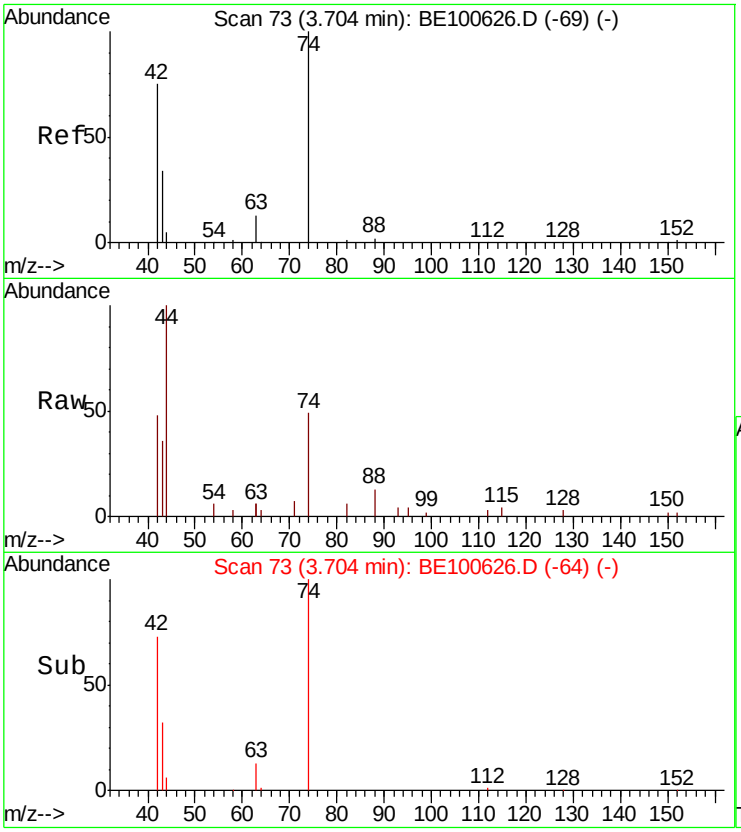


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 3.39 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion: 88 Resp: 4526

Ion	Ratio	Lower	Upper
88	100		
58	79.3	0.0	0.0#
43	33.6	0.0	0.0#



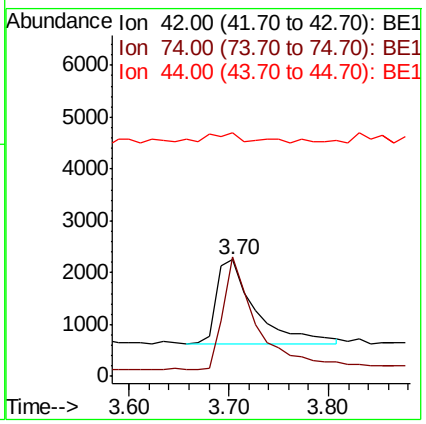


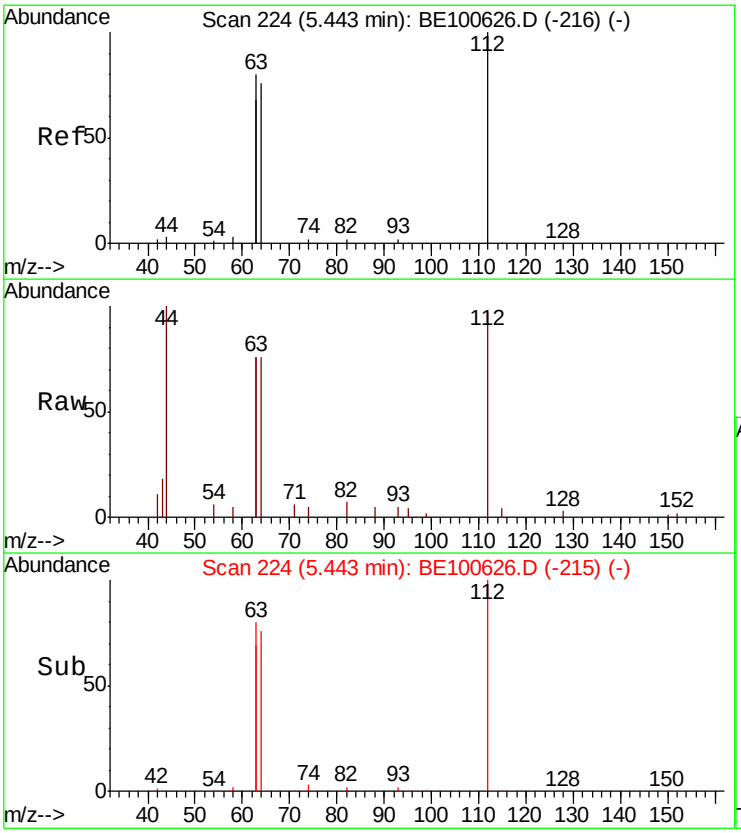
#3
n-Nitrosodimethylamine
Concen: 0.876 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 4445

Ion	Ratio	Lower	Upper
42	100		
74	114.2	91.7	137.5
44	7.3	8.2	12.2#

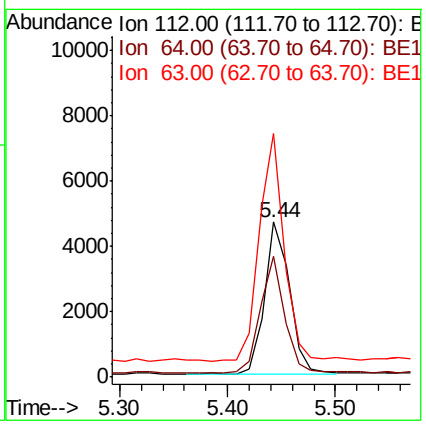


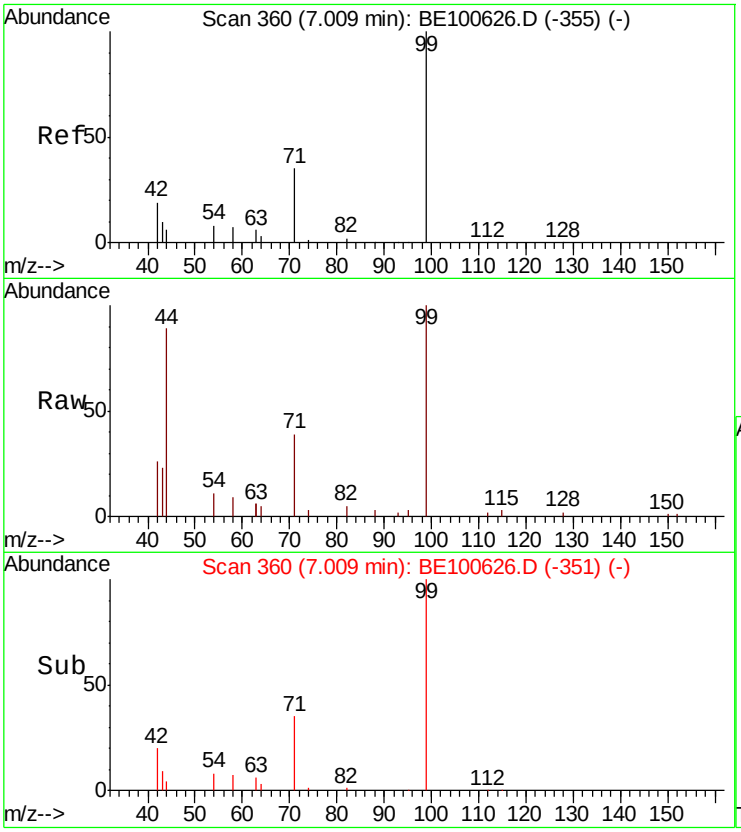


#4
2-Fluorophenol
Concen: 0.433 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:112 Resp: 7474

Ion	Ratio	Lower	Upper
112	100		
64	74.1	58.9	88.3
63	148.4	118.3	177.5



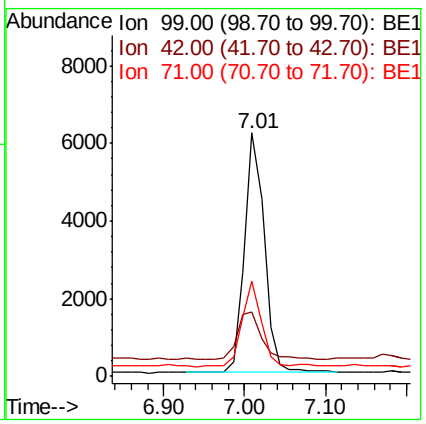


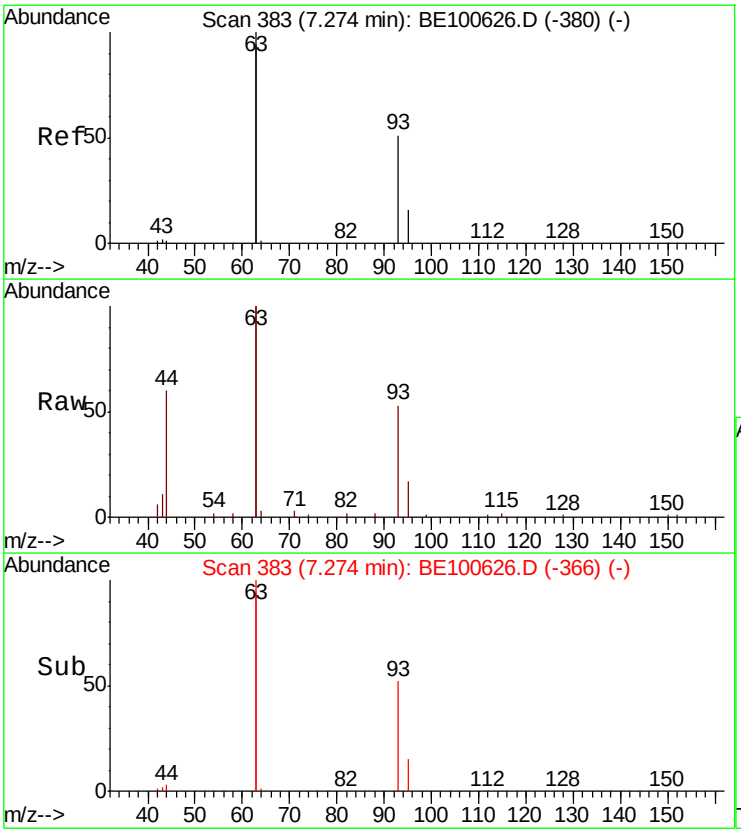
#5
Phenol-d6
Concen: 0.485 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 10534

Ion	Ratio	Lower	Upper
99	100		
42	24.3	19.4	29.2
71	35.7	26.9	40.3

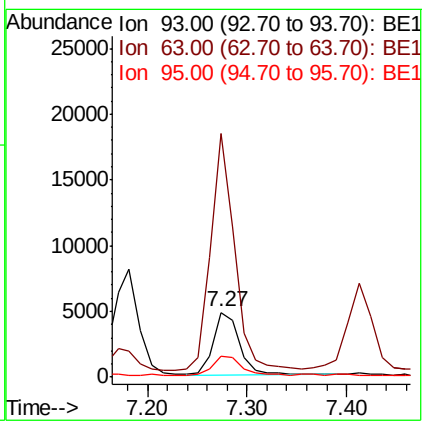


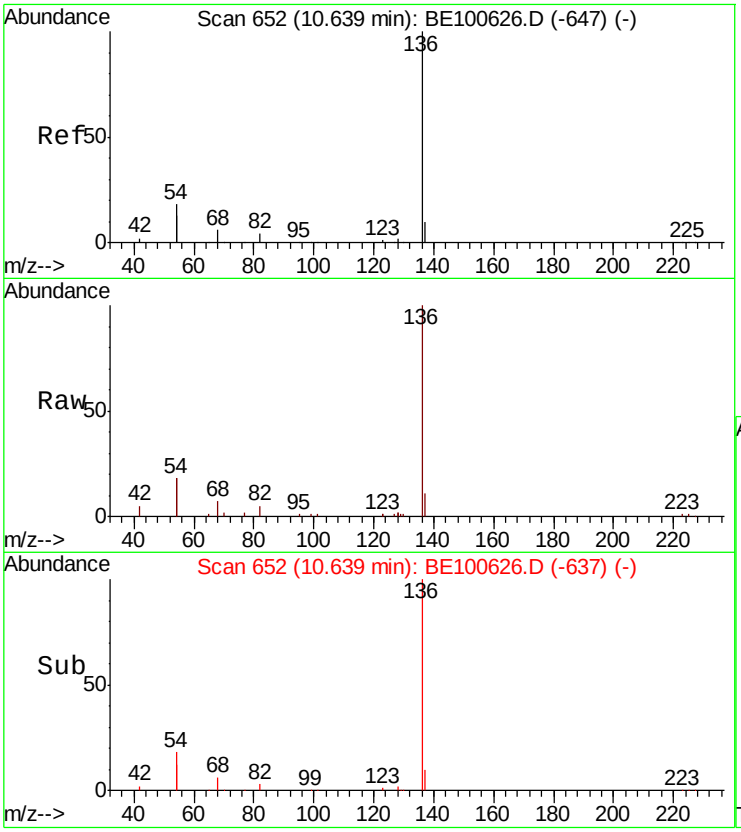


#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.27 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion: 93 Resp: 8580

Ion	Ratio	Lower	Upper
93	100		
63	346.7	277.4	416.0
95	30.9	24.7	37.1



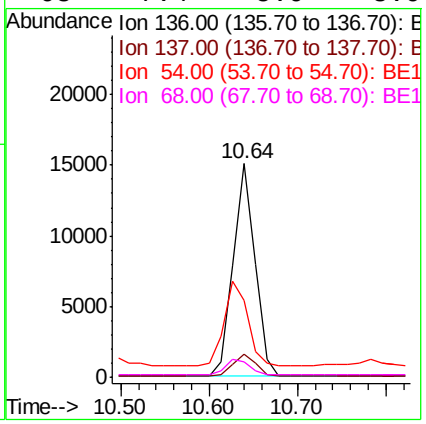


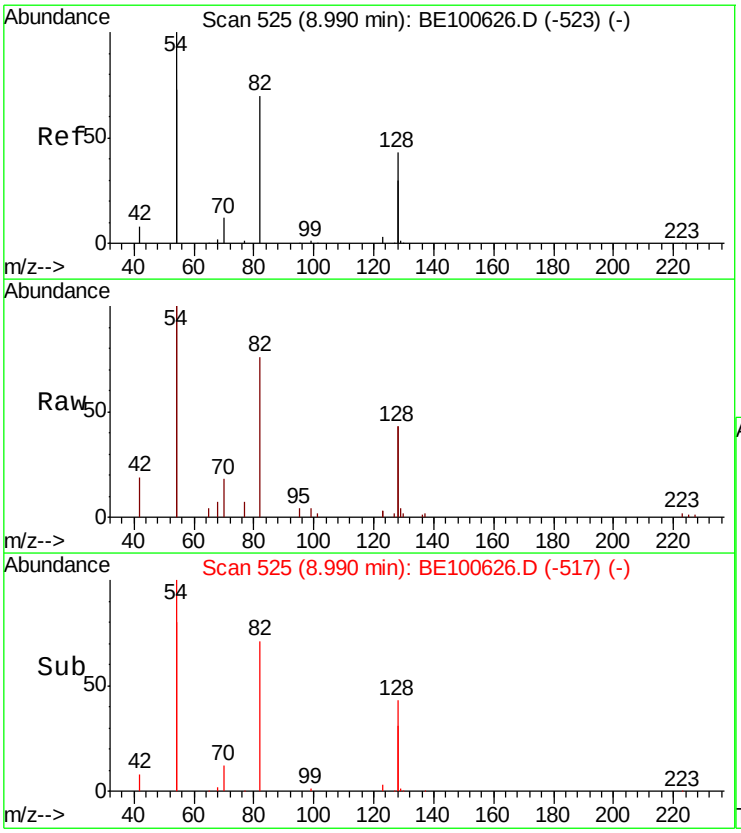
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 25919

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	35.9	28.7	43.1
68	7.4	5.9	8.9

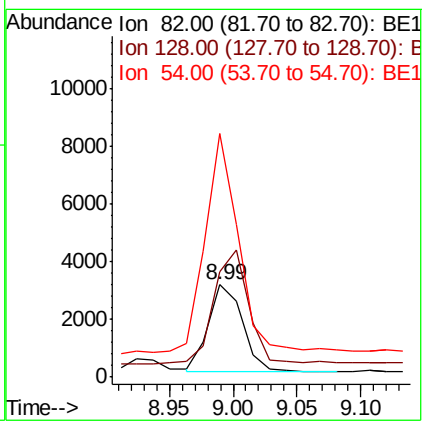


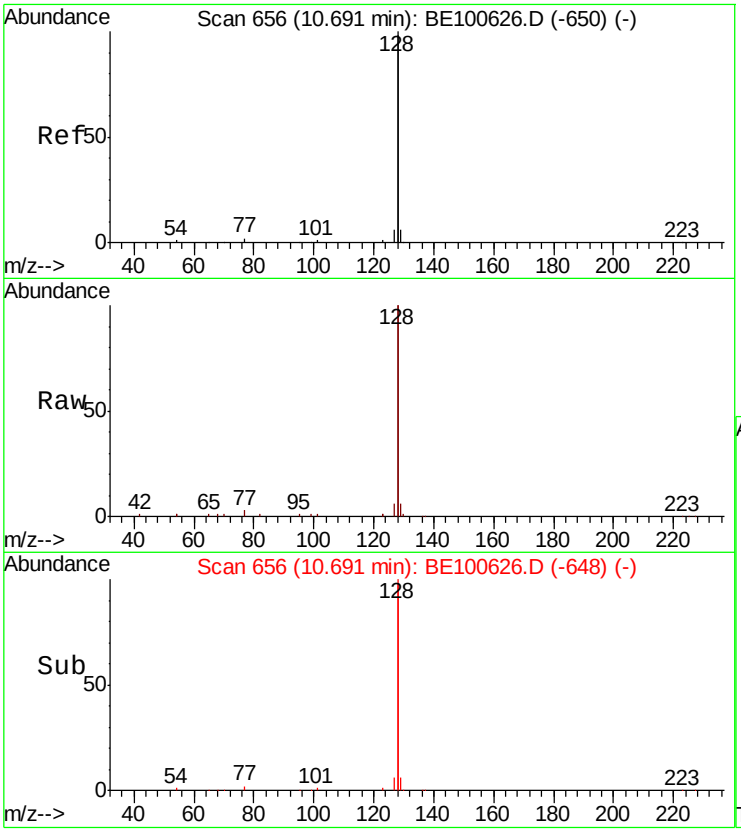


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion: 82 Resp: 5653

Ion	Ratio	Lower	Upper
82	100		
128	113.4	90.7	136.1
54	263.6	210.9	316.3



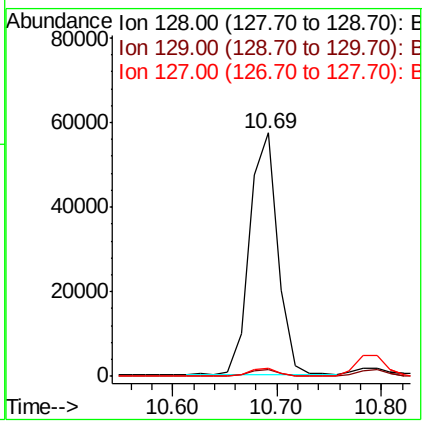


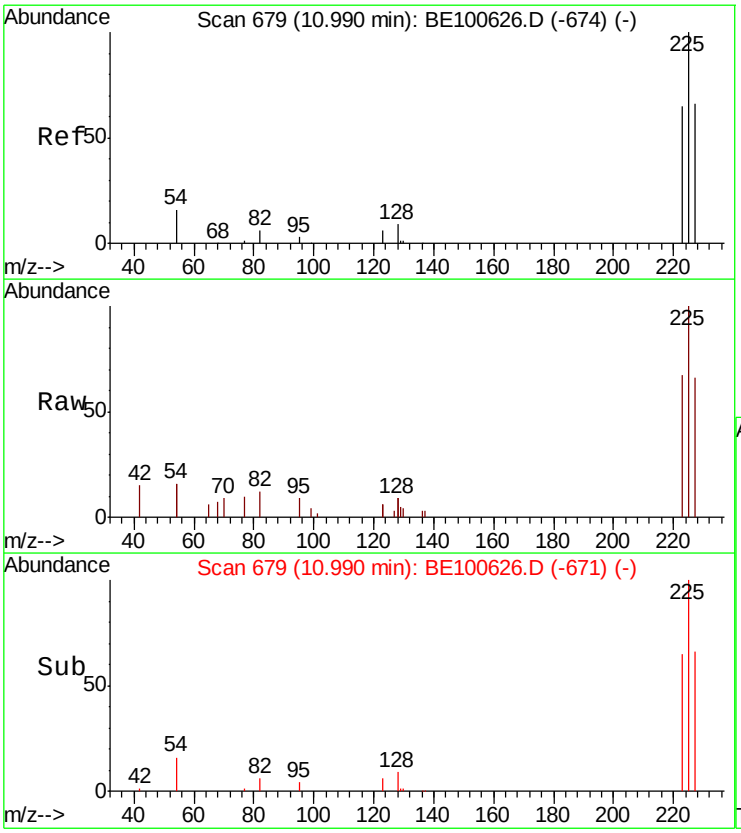
#9
Naphthalene
Concen: 0.397 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 106185

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.2	2.6	3.8

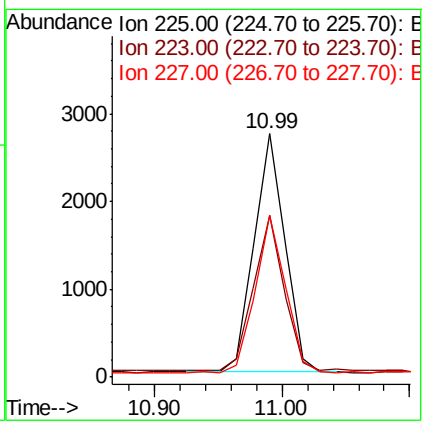


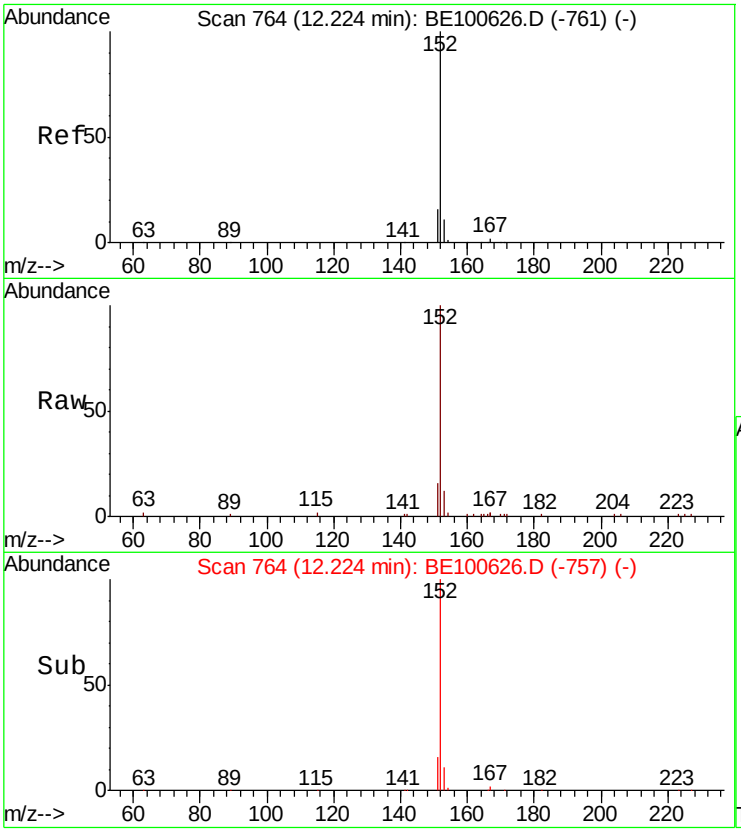


#10
Hexachlorobutadiene
Concen: 0.528 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:225 Resp: 4550

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.2	76.8
227	64.8	51.8	77.8



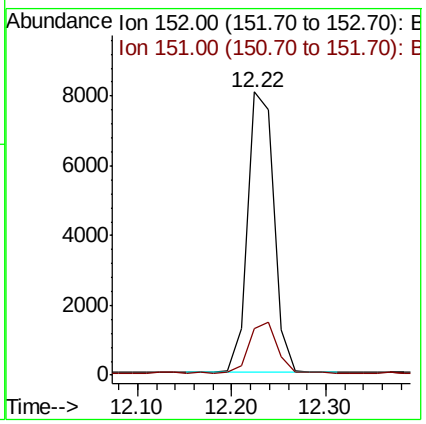


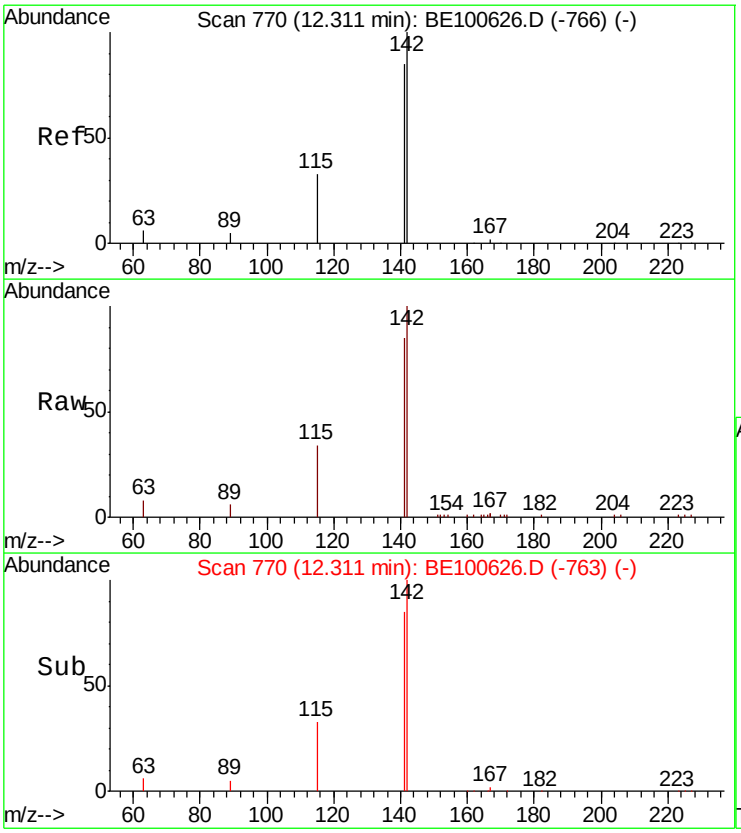
#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 15690

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.2	22.8

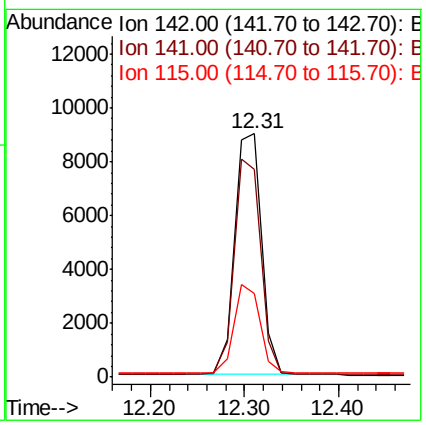


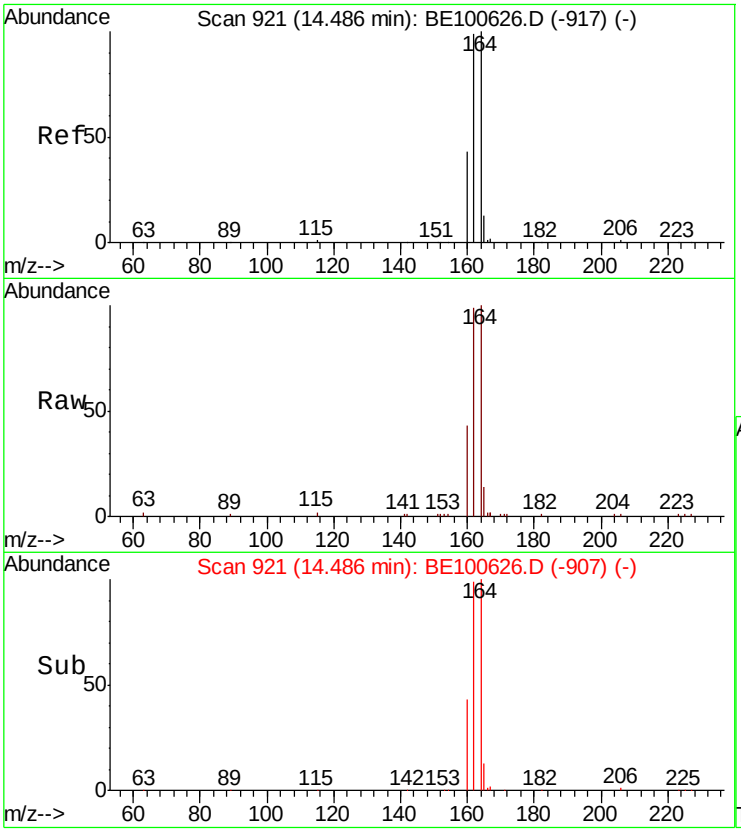


#12
2-Methylnaphthalene
Concen: 0.406 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:142 Resp: 17839

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.3	102.5
115	34.4	27.5	41.3



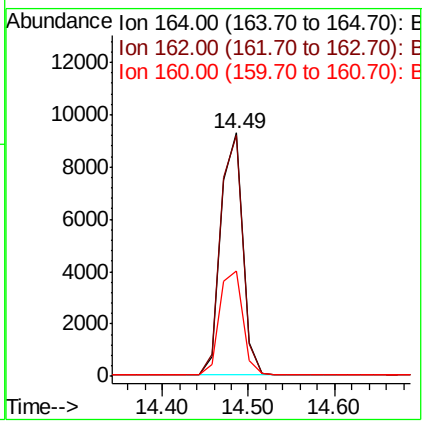


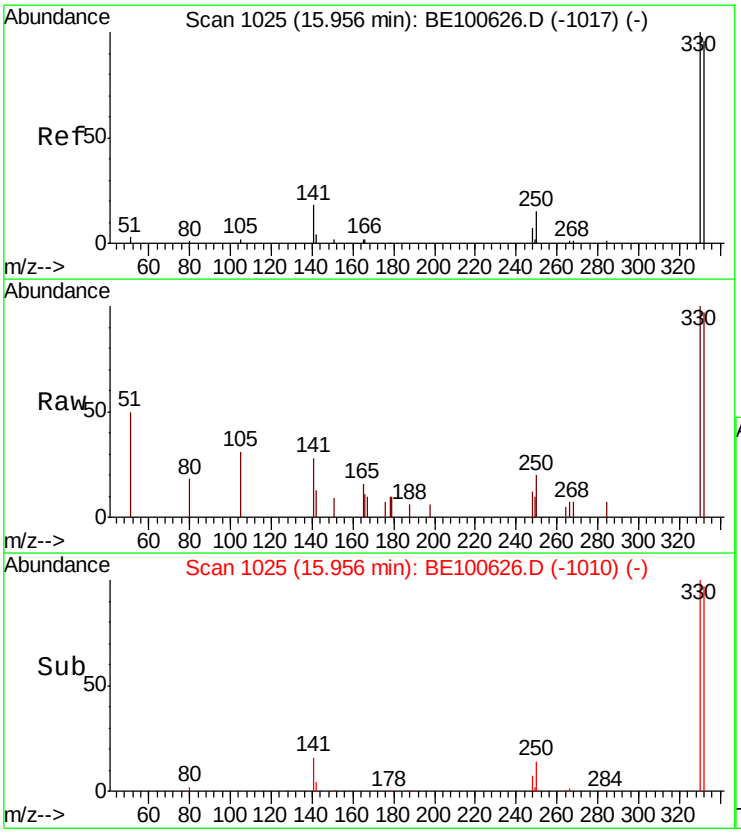
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 16170

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.1	118.7
160	43.4	34.7	52.1

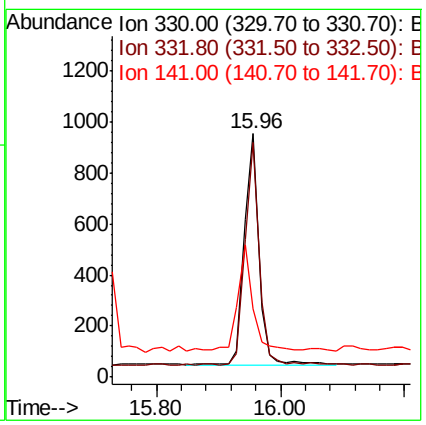


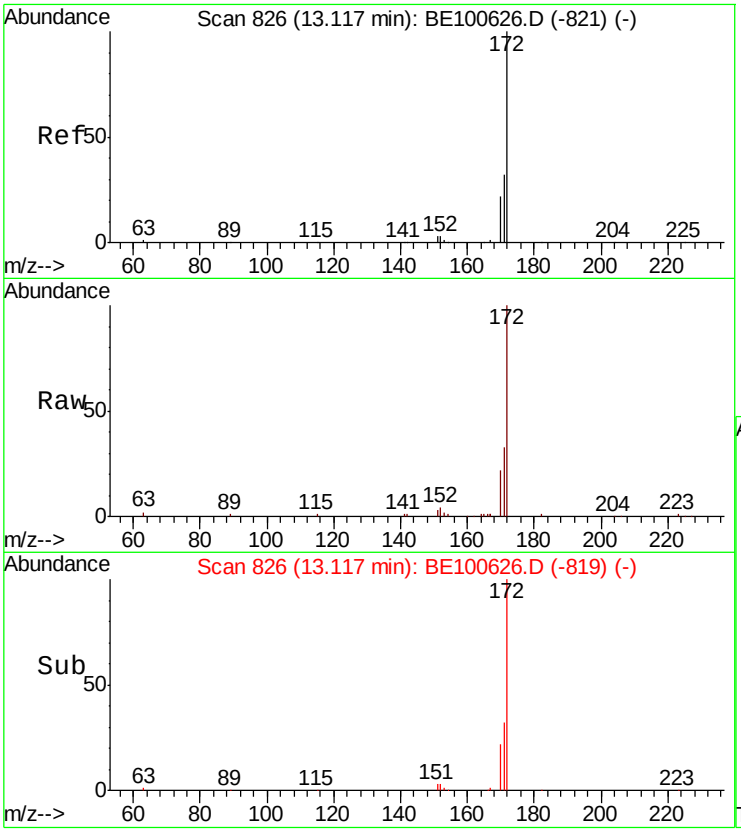


#14
2,4,6-Tribromophenol
Concen: 0.408 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:330 Resp: 1508

Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.2	112.8
141	46.9	37.5	56.3



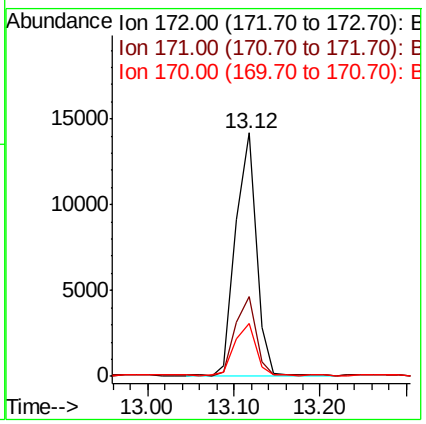


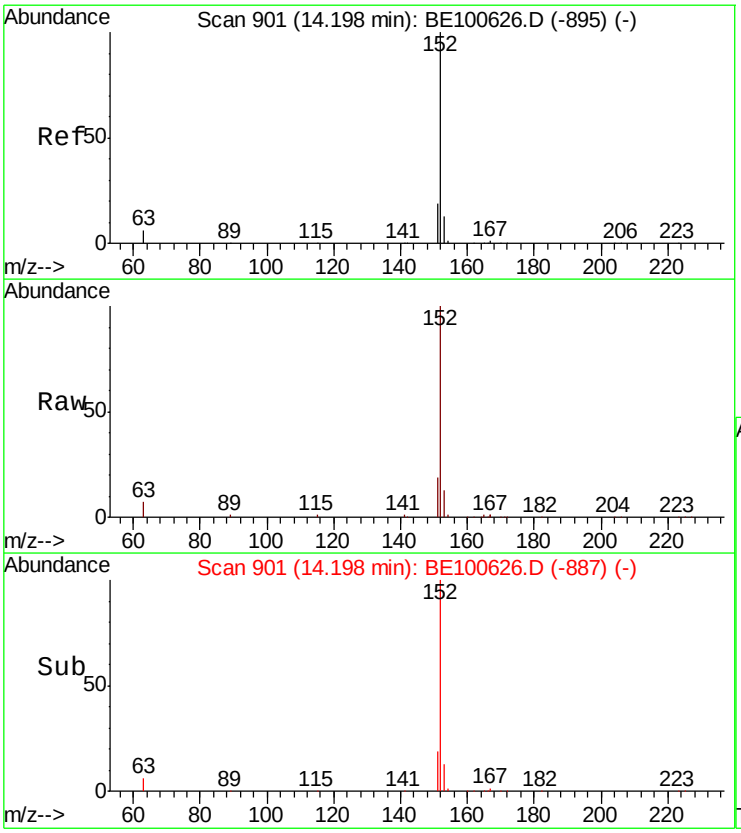
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 23104

Ion	Ratio	Lower	Upper
172	100		
171	32.8	26.2	39.4
170	21.9	17.5	26.3

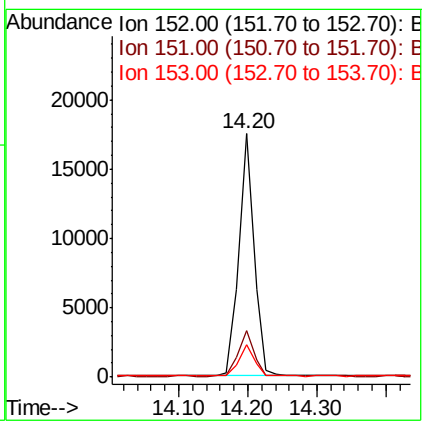


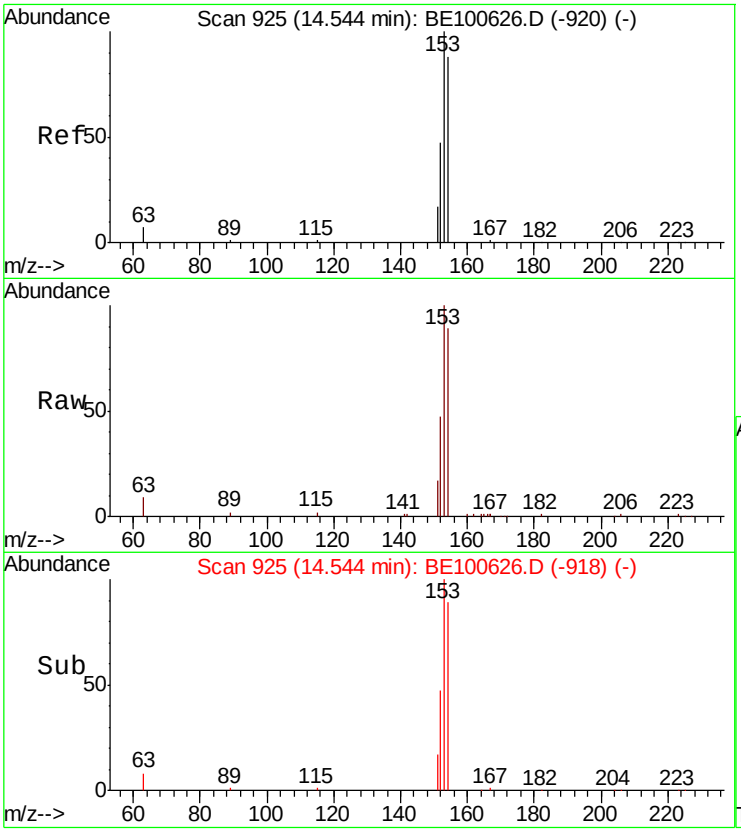


#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:152 Resp: 26877

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.1	10.5	15.7



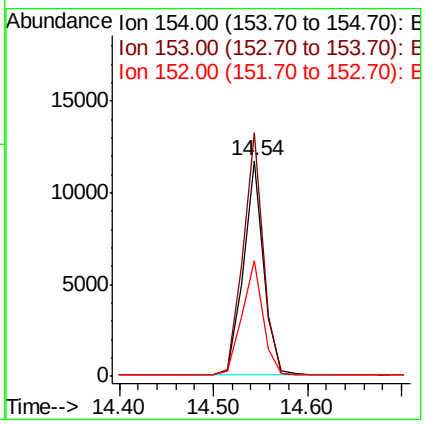


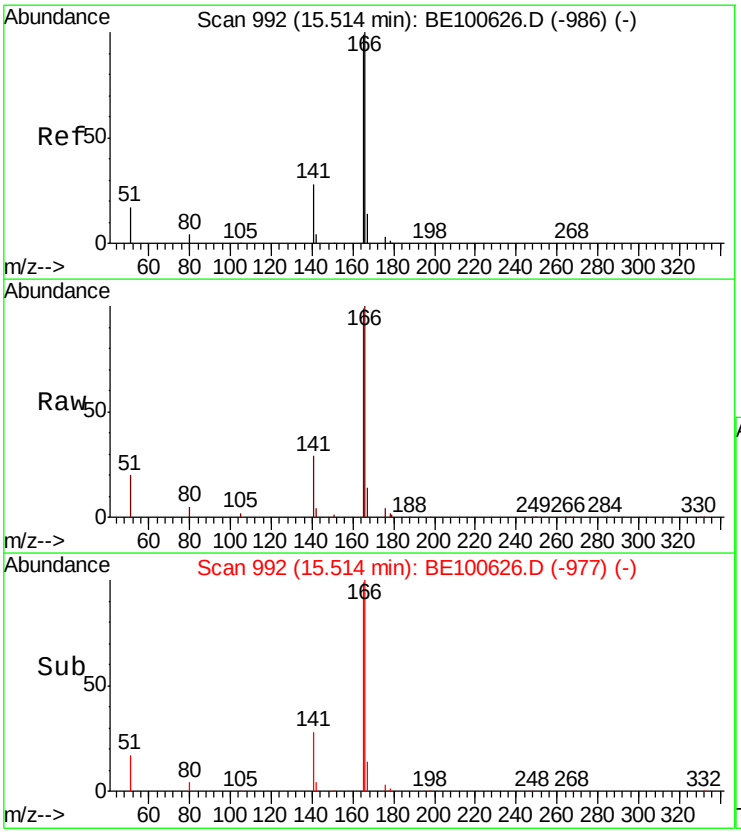
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 17357

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.4	137.2
152	55.0	44.0	66.0

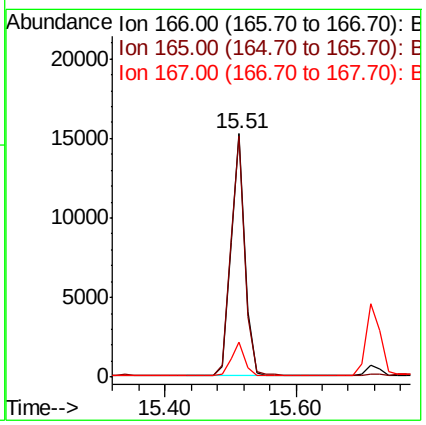


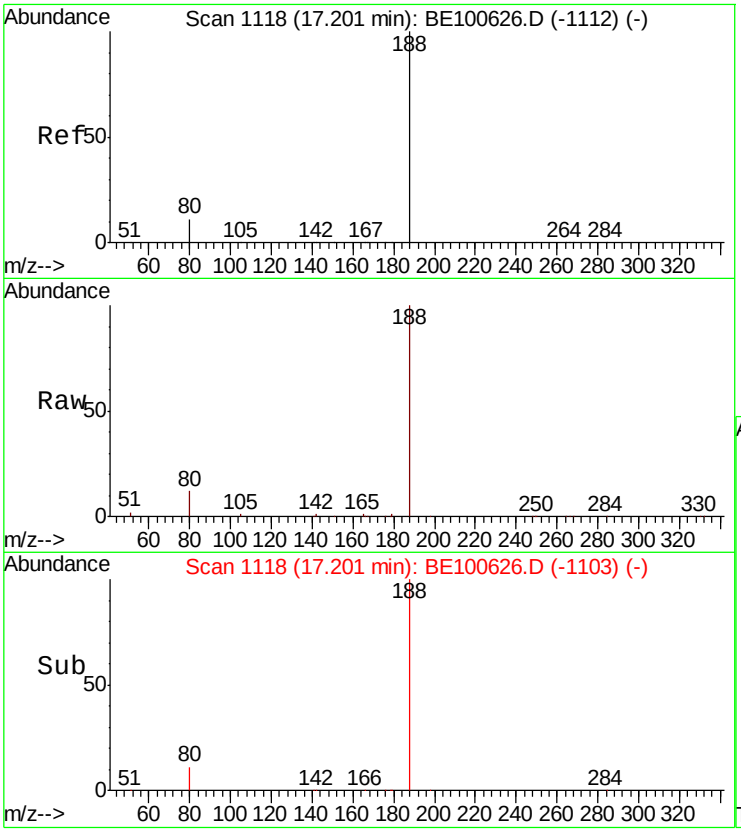


#18
Fluorene
Concen: 0.393 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:166 Resp: 23097

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.9	118.3
167	13.6	10.9	16.3



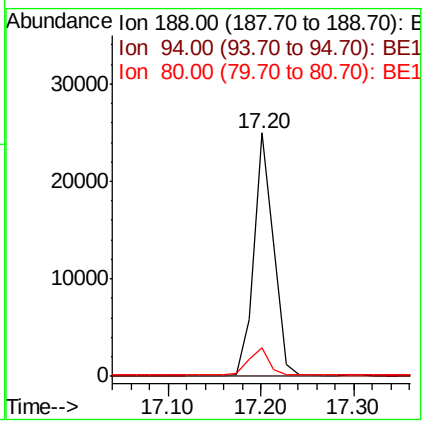


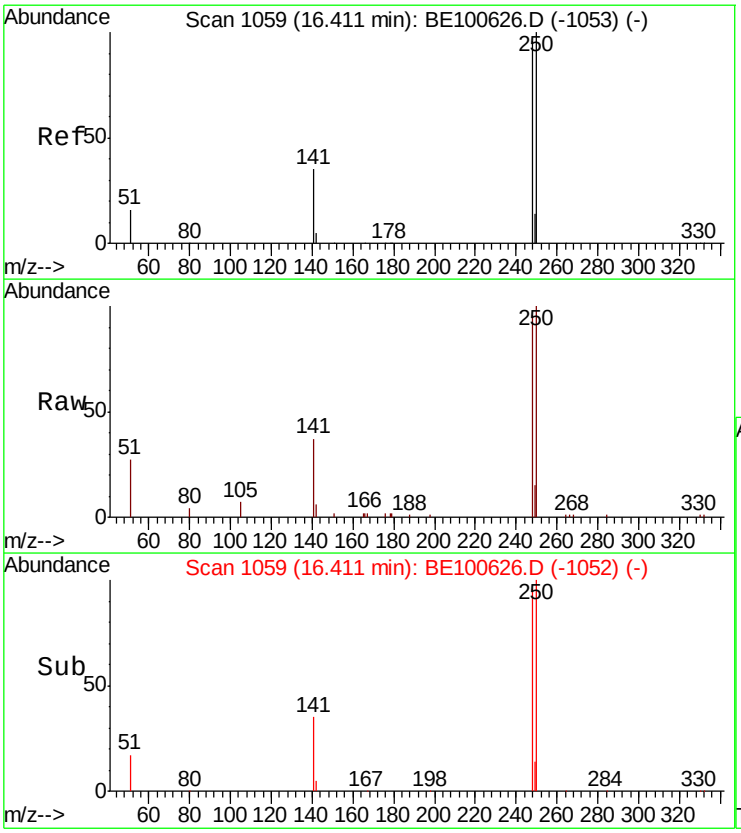
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 36879

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	9.4	14.2

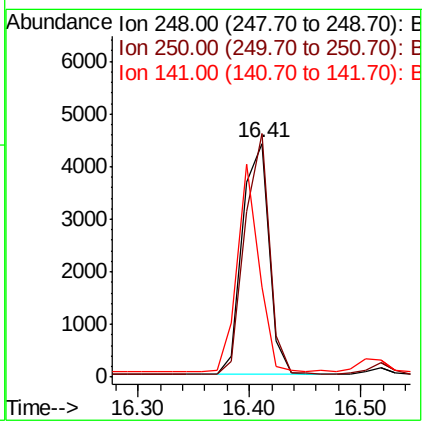


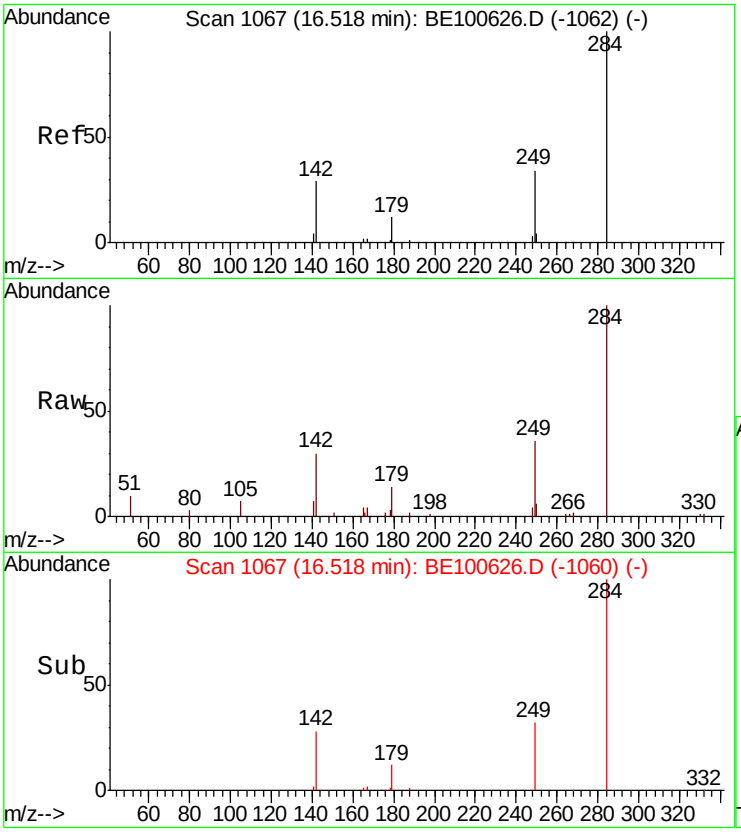


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:248 Resp: 7256

Ion	Ratio	Lower	Upper
248	100		
250	104.3	83.4	125.2
141	38.5	30.8	46.2



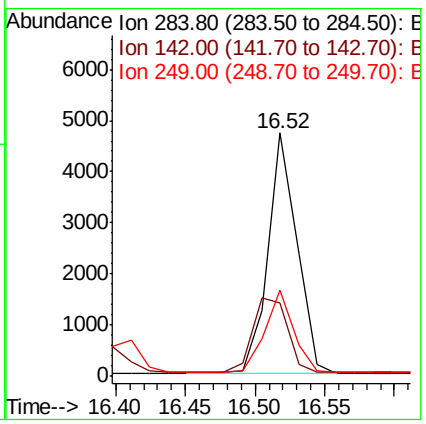


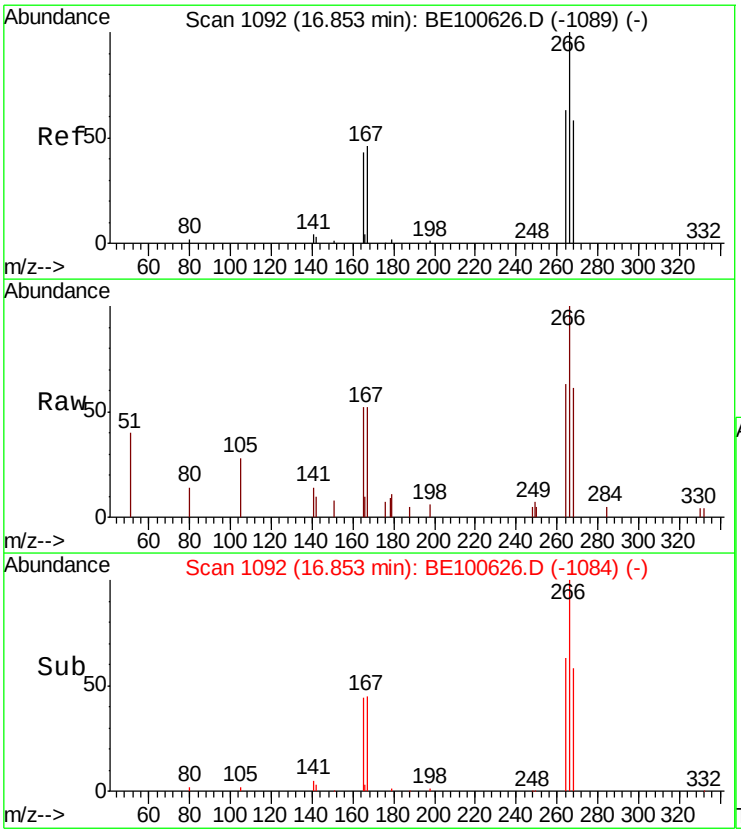
#21
Hexachlorobenzene
Concen: 0.442 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 6790

Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.8	44.8
249	34.1	27.3	40.9

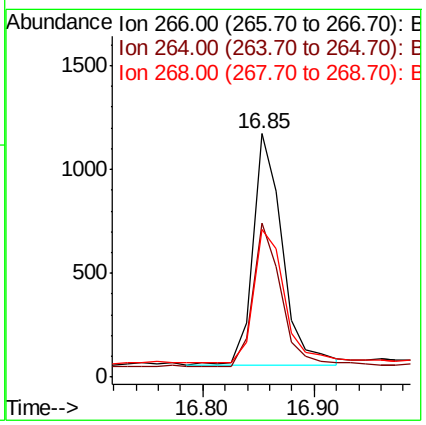


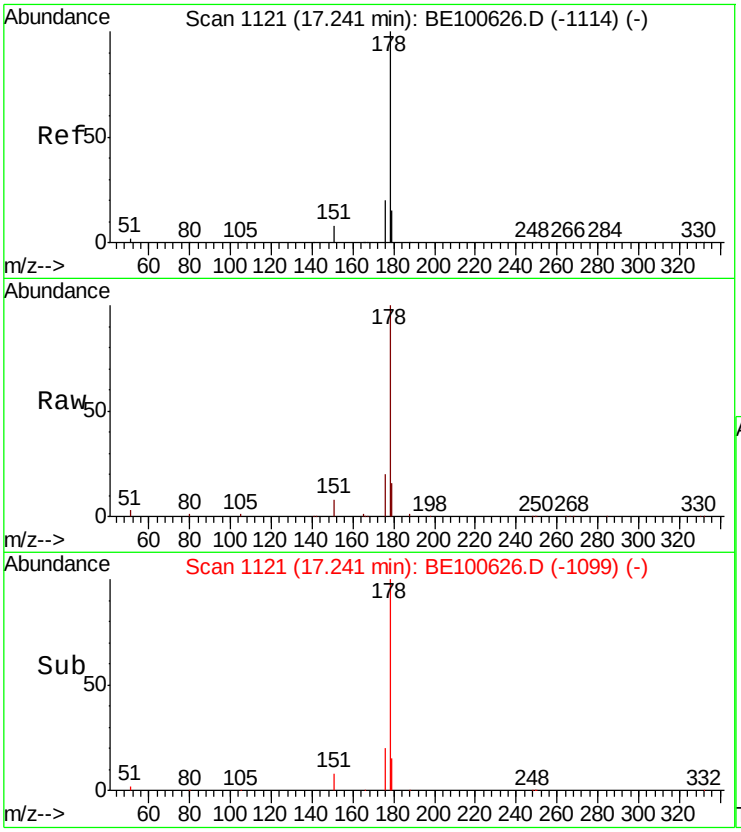


#22
Pentachlorophenol
Concen: 0.482 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:266 Resp: 2047

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.7	76.1
268	60.6	48.5	72.7



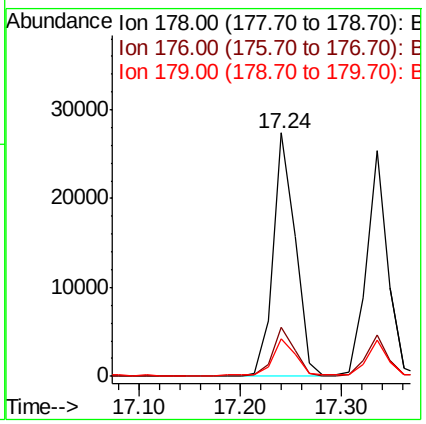


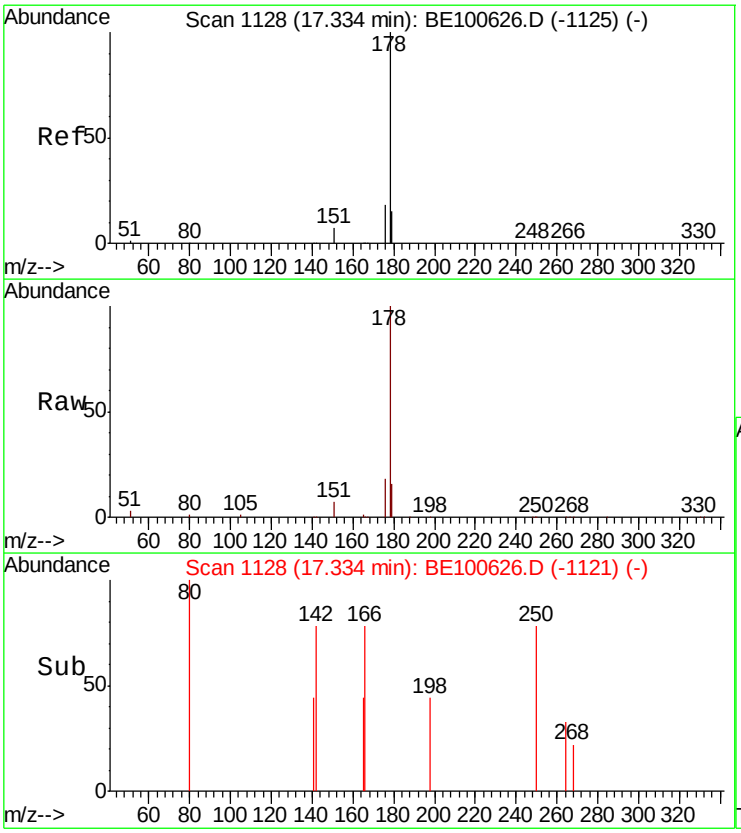
#23
Phenanthrene
Concen: 0.389 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 40863

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.5	12.4	18.6

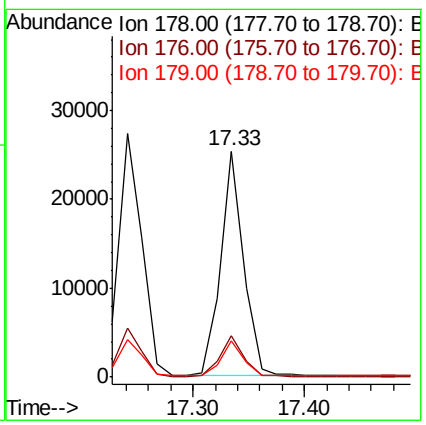


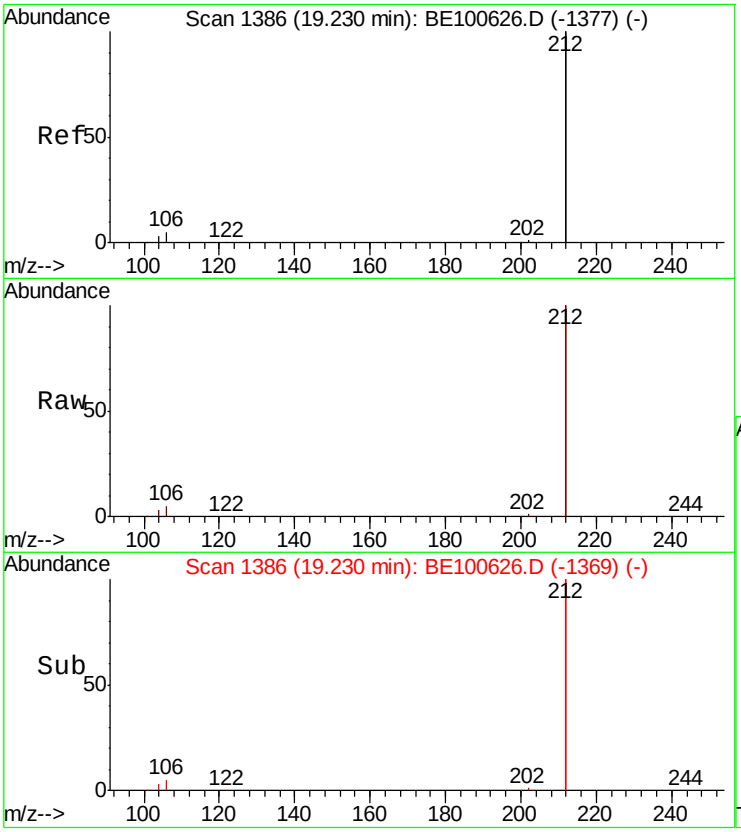


#24
Anthracene
Concen: 0.402 ng
RT: 17.33 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:178 Resp: 36289

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.5	12.4	18.6



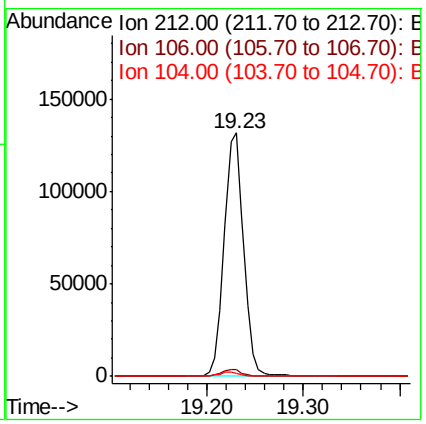


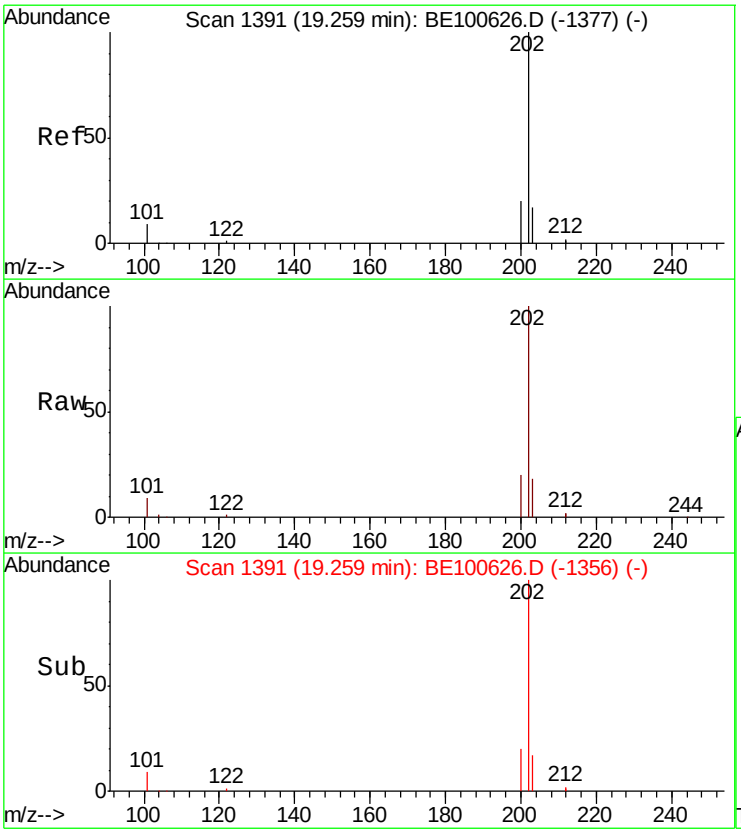
#25
Fluoranthene-d10
Concen: 0.403 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 183369

Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.2	3.4
104	1.6	1.3	1.9

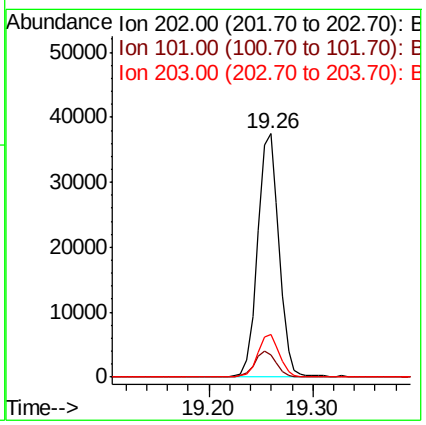


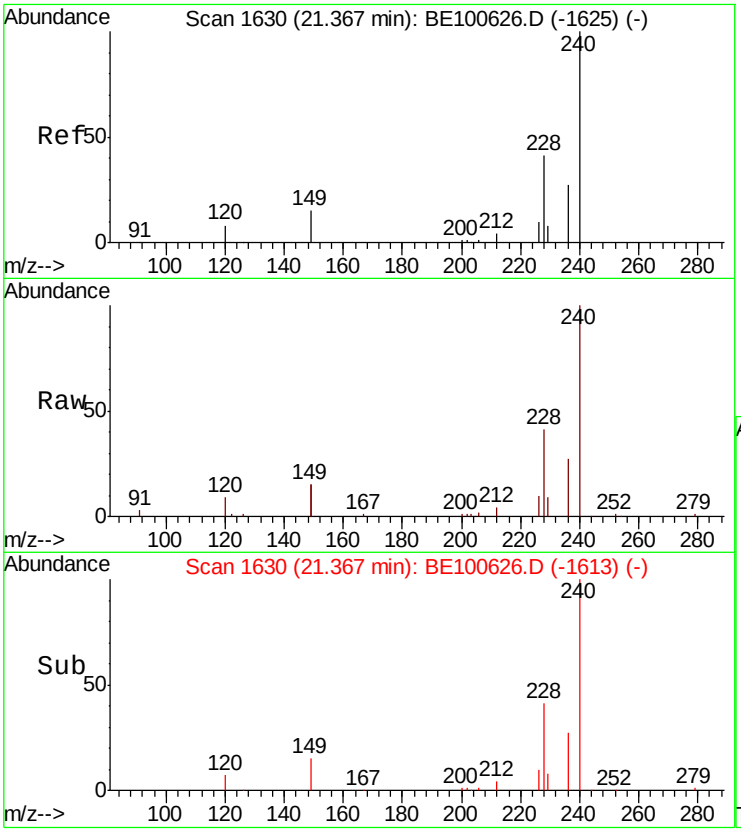


#26
Fluoranthene
Concen: 0.409 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:202 Resp: 52810

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
203	17.2	13.8	20.6



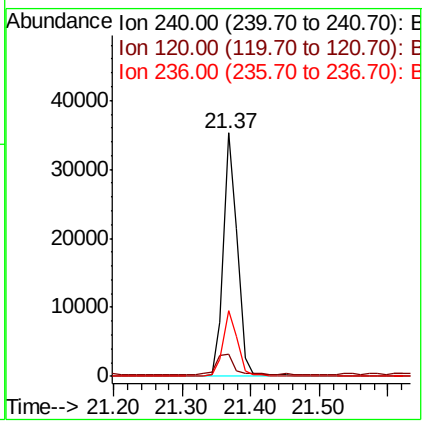


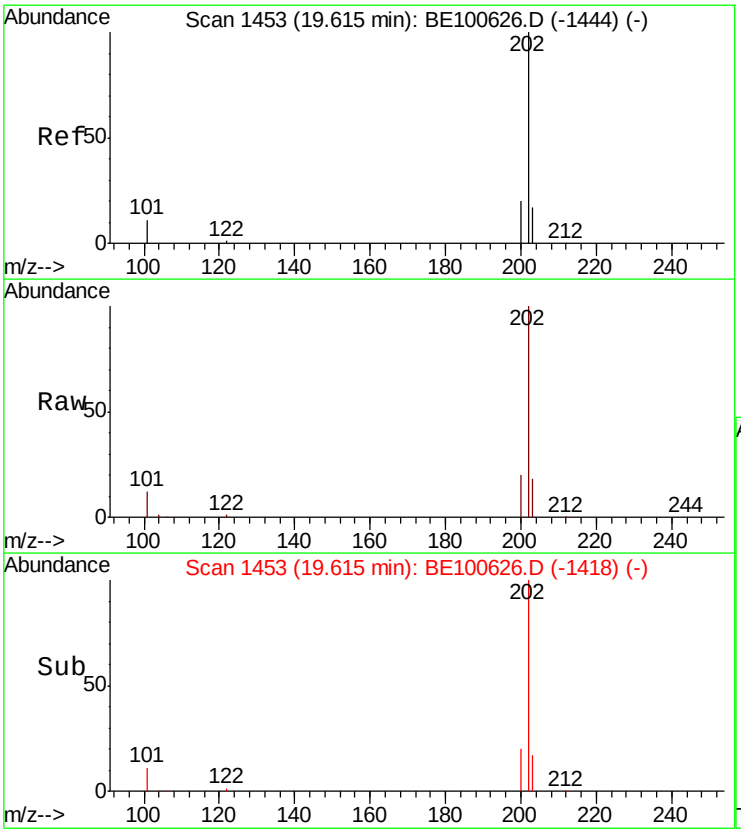
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 49811

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.4	11.0
236	27.1	21.7	32.5

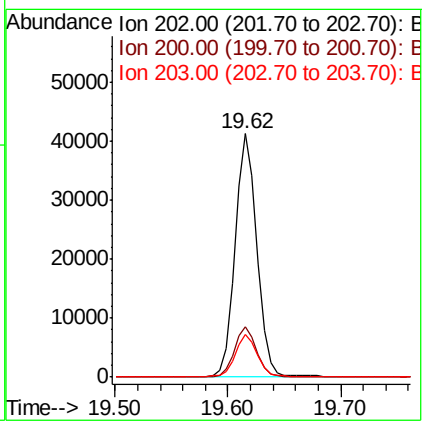


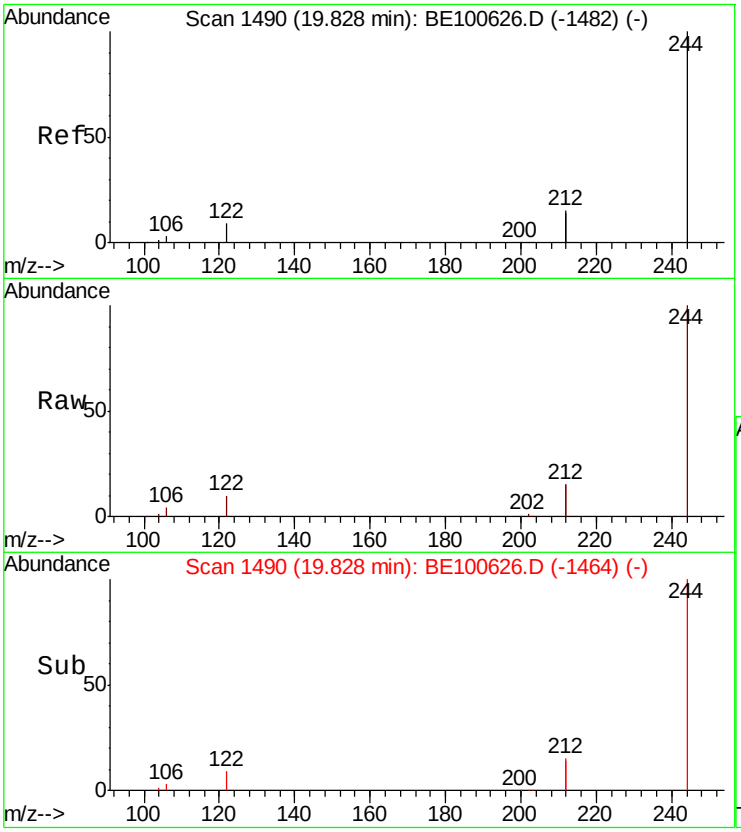


#28
Pyrene
Concen: 0.434 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:202 Resp: 55398

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.4	13.9	20.9



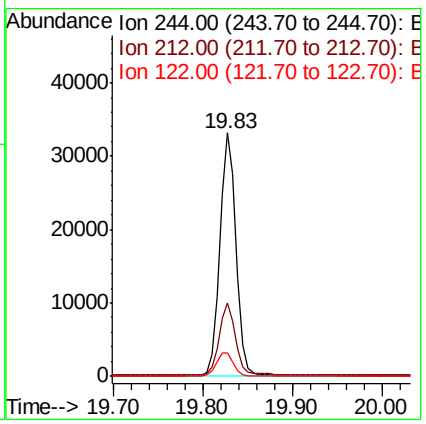


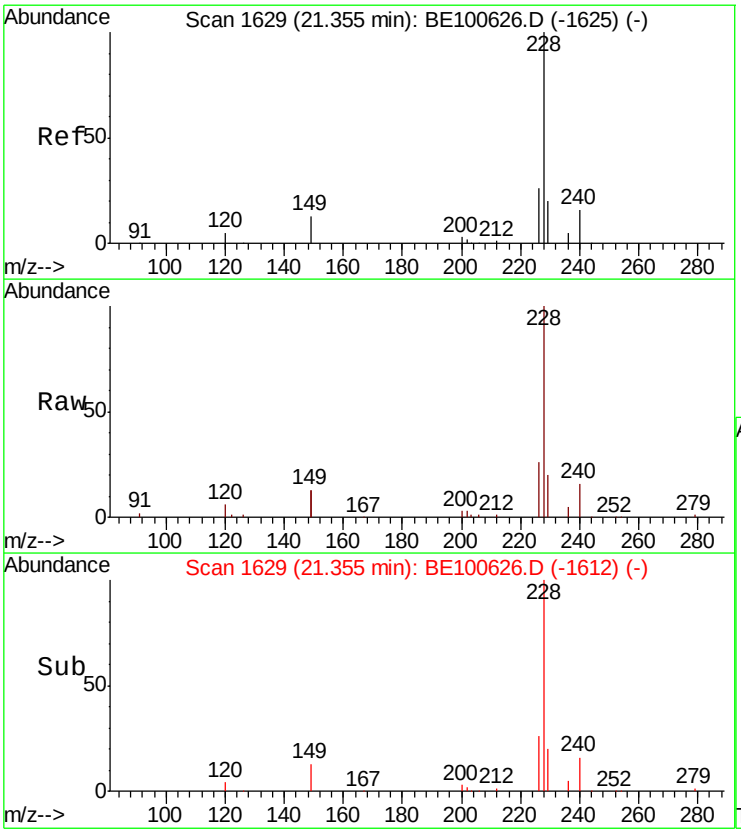
#29
Terphenyl-d14
Concen: 0.374 ng
RT: 19.83 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 41198

Ion	Ratio	Lower	Upper
244	100		
212	29.9	23.9	35.9
122	9.6	7.7	11.5

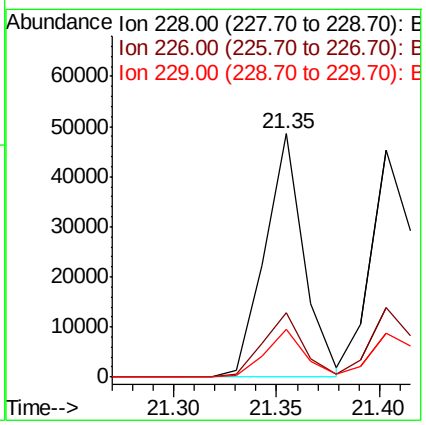


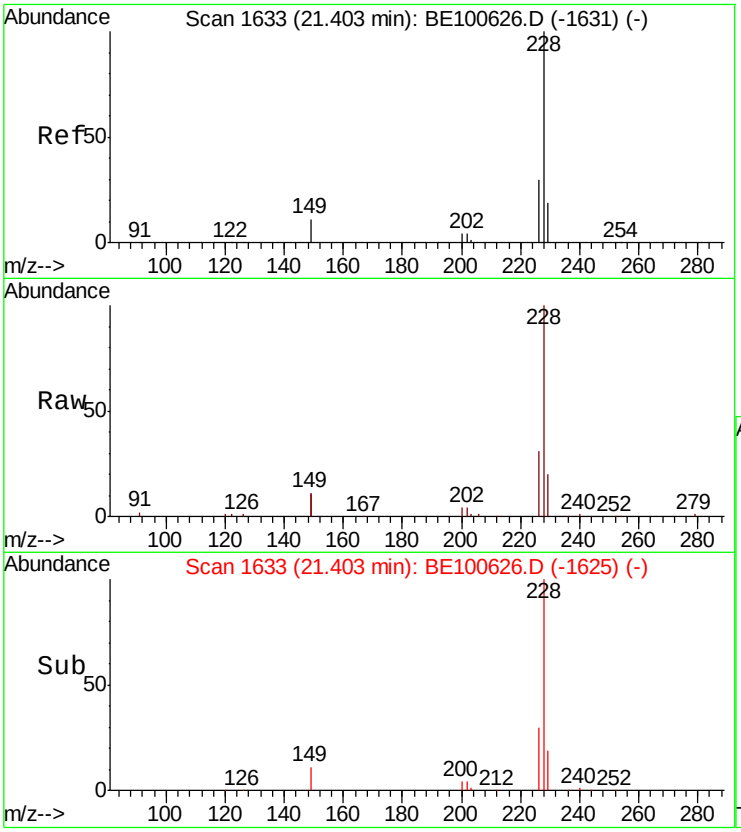


#30
Benzo(a)anthracene
Concen: 0.462 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:228 Resp: 64290

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	19.8	15.8	23.8



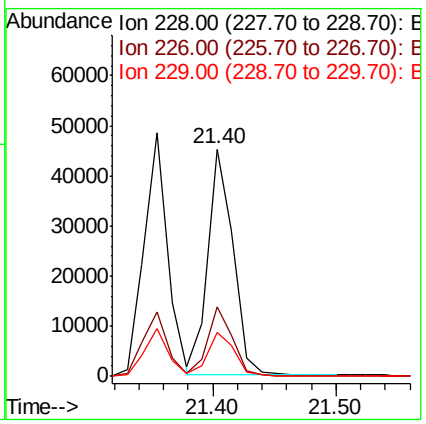


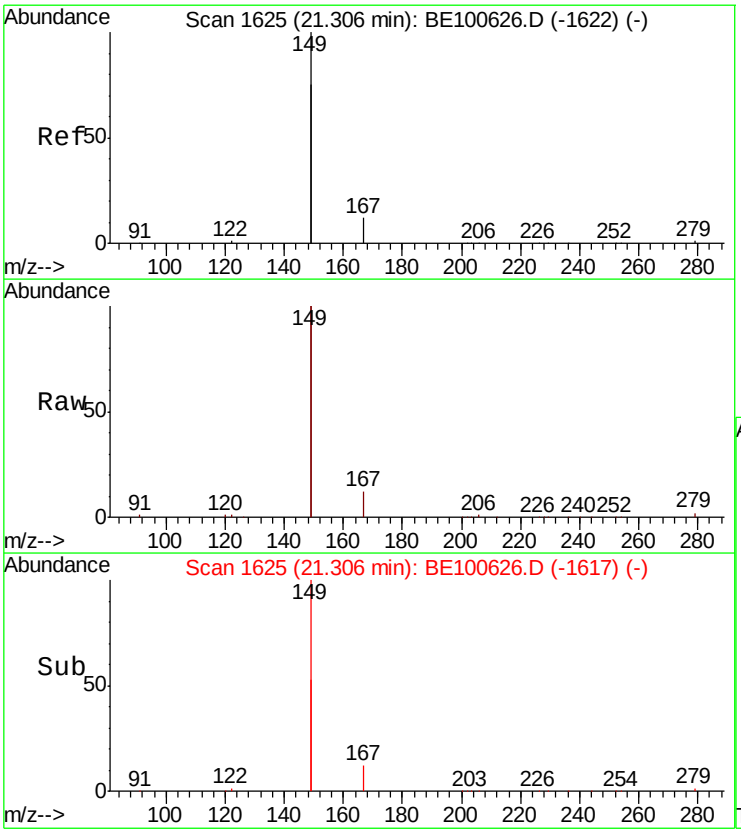
#31
Chrysene
Concen: 0.432 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 64432

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.5	15.6	23.4

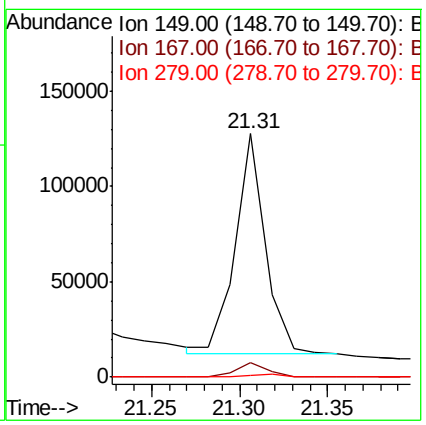


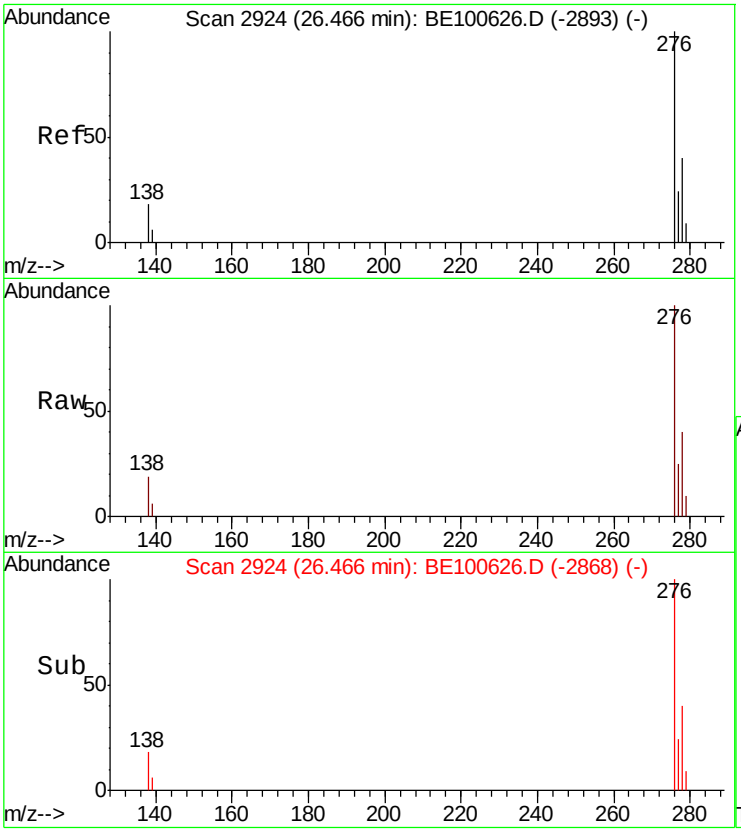


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.511 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:149 Resp: 135949

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.2
279	2.0	1.5	2.3



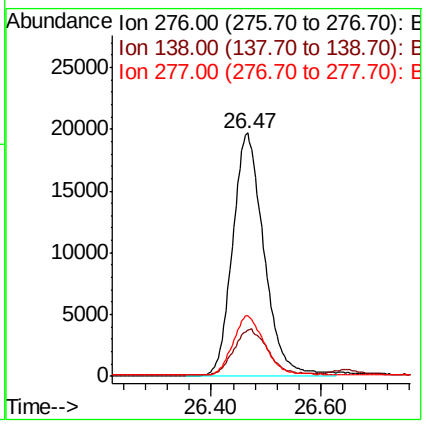


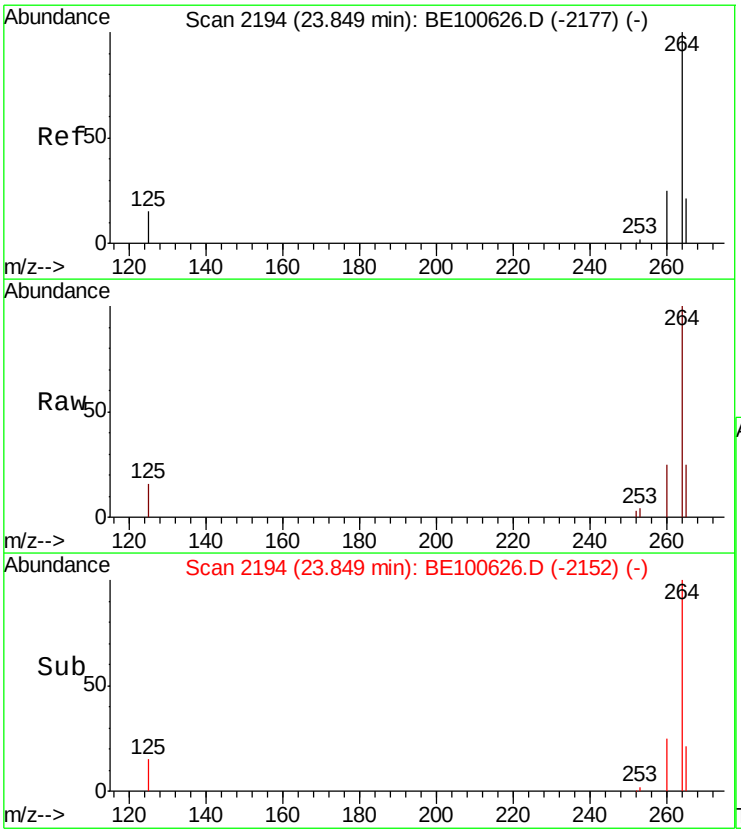
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.440 ng
RT: 26.47 min Scan# 2924
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 77228

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.0	24.0
277	24.5	19.7	29.5

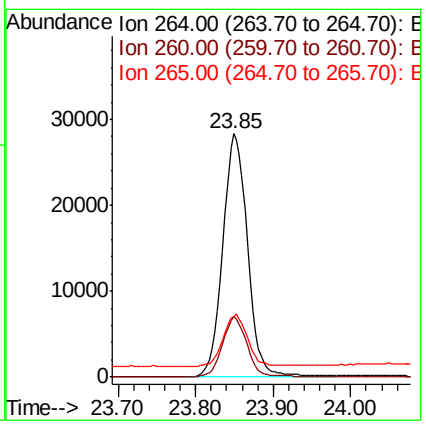


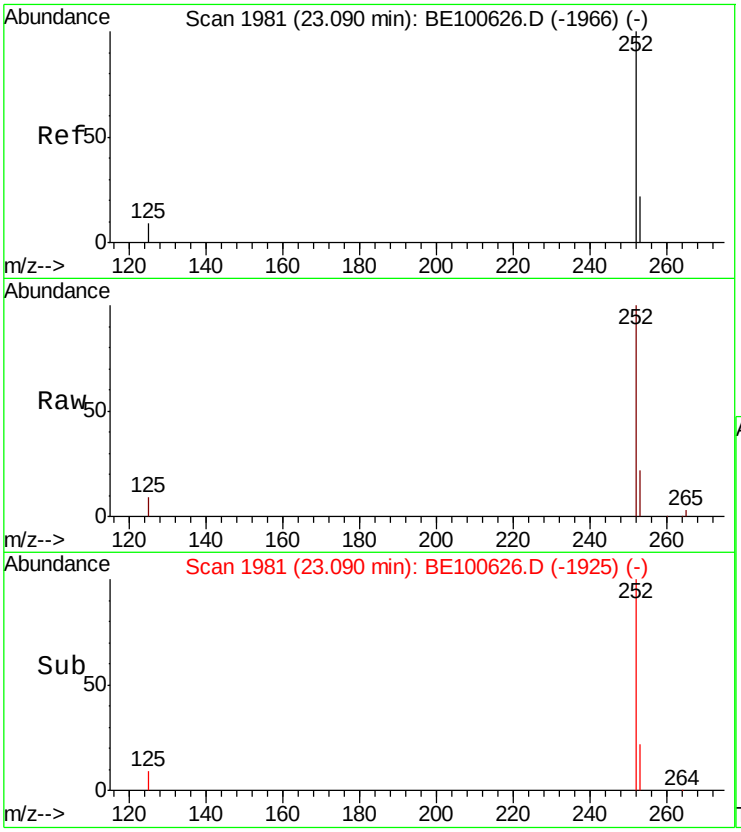


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:264 Resp: 62352

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	25.0	20.0	30.0



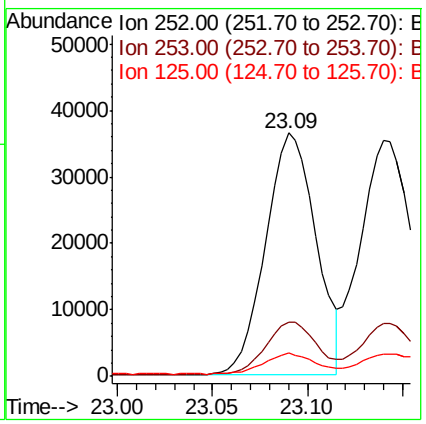


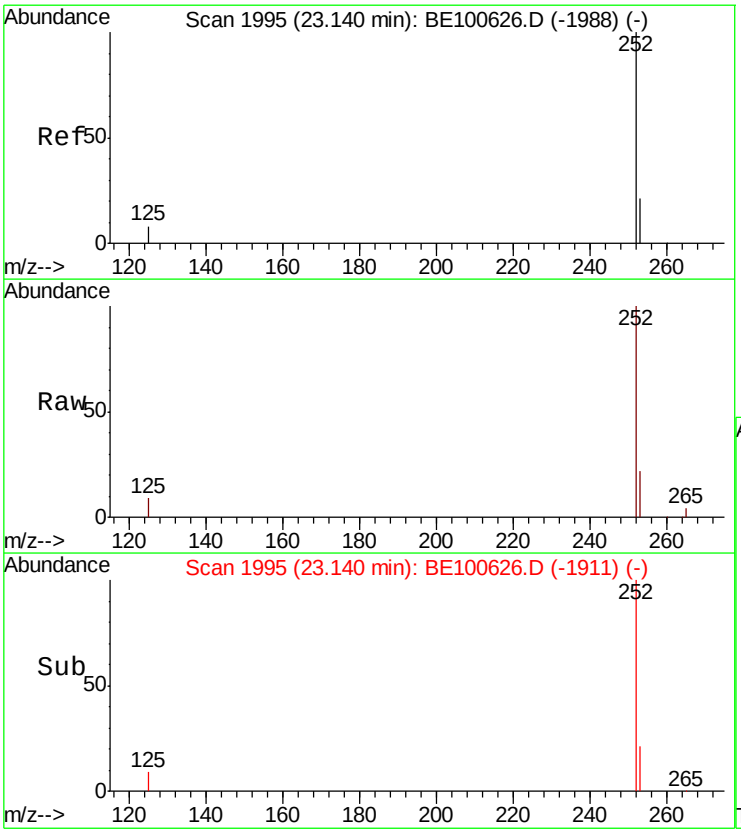
#35
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 23.09 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 67238

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.5	7.6	11.4

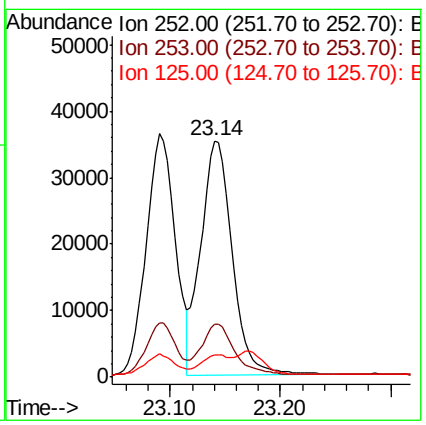


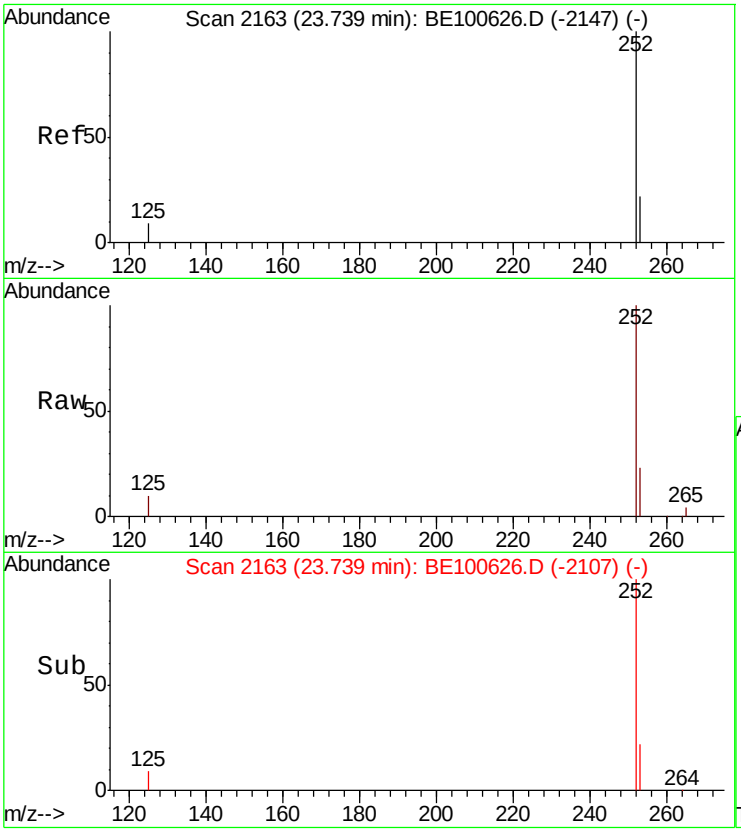


#36
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:252 Resp: 69902

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.5	7.6	11.4



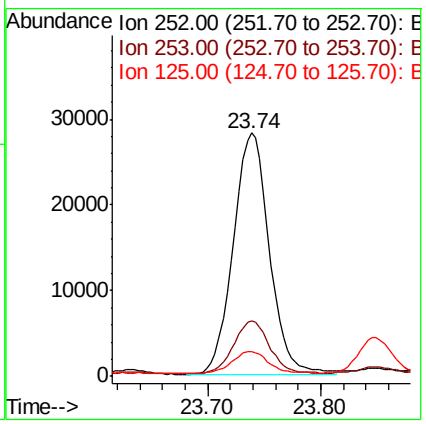


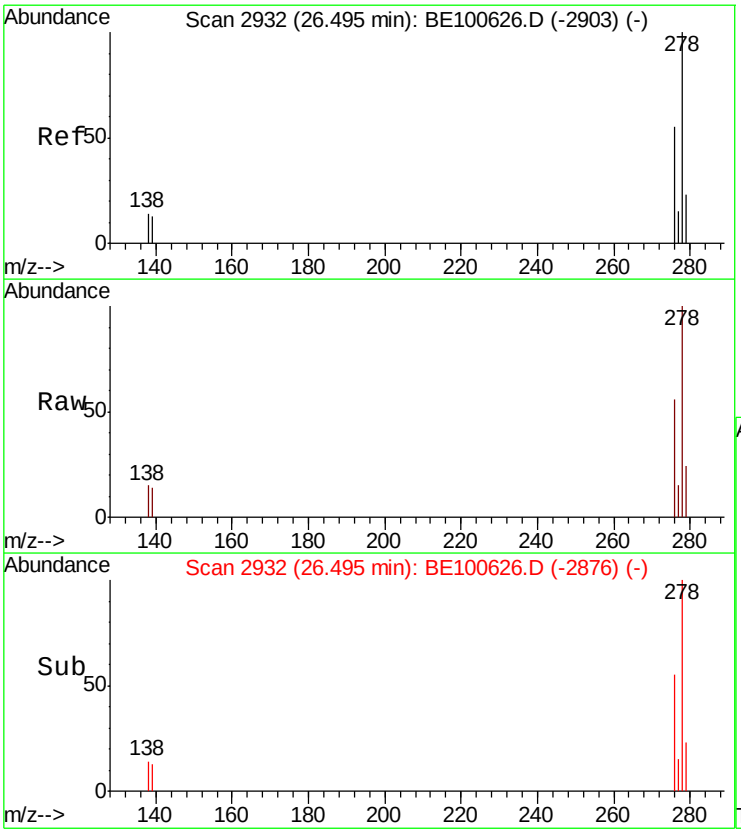
#37
Benzo(a)pyrene
Concen: 0.403 ng
RT: 23.74 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 62461

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.1	8.1	12.1

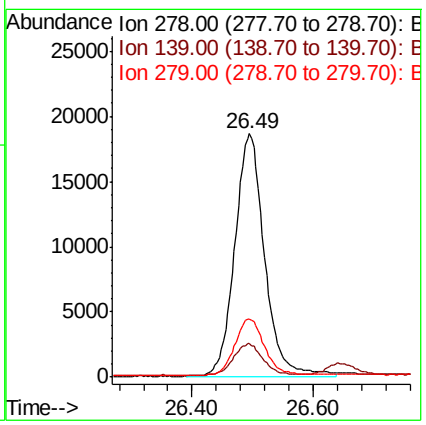


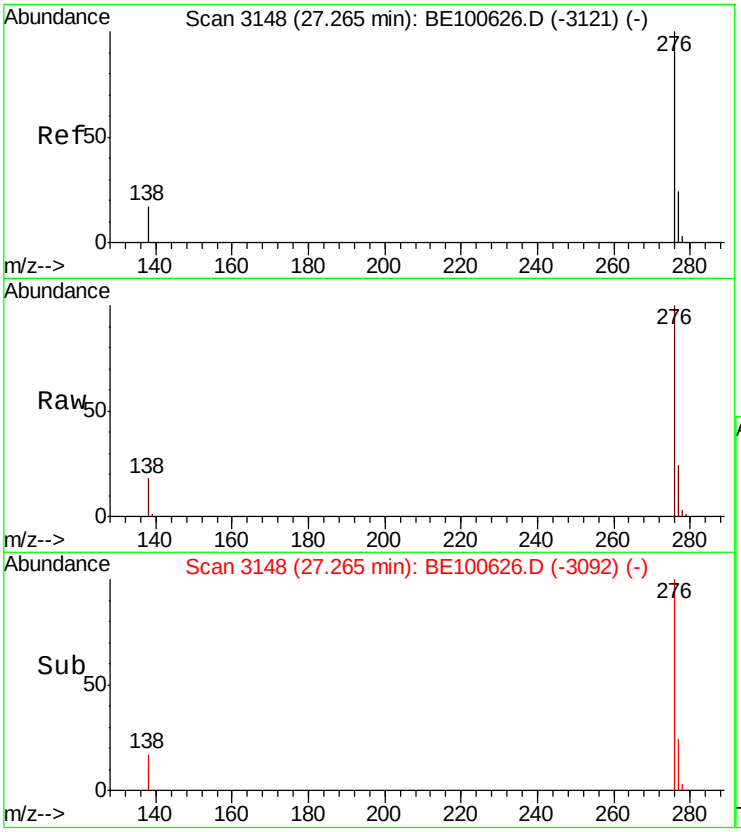


#38
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.49 min Scan# 2932
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Tgt Ion:278 Resp: 63130

Ion	Ratio	Lower	Upper
278	100		
139	14.0	11.2	16.8
279	23.8	19.0	28.6





#39
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 27.27 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BE100626.D
Acq: 10 Oct 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 65285

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	18.1	14.5	21.7