Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101019\
Data File : BE100631.D
Acq On : 10 Oct 2019 15:11
Operator : JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE101019

Quant Time: Oct 10 15:57:48 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 14:01:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	6929	0.40	ng		0.00
7) Naphthalene-d8	10.64	136	28932	0.40	ng		0.00
13) Acenaphthene-d10	14.48	164	18269	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	42897	0.40	ng		0.00
27) Chrysene-d12	21.37	240	55768	0.40	ng		0.00
34) Perylene-d12	23.85	264	62046	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	8157	0.38	ng		0.00
5) Phenol-d6	7.01	99	11394	0.38	ng		0.00
8) Nitrobenzene-d5	8.99	82	6850	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.24	152	17876	0.39	ng		0.01
14) 2,4,6-Tribromophenol	15.96	330	1716	0.36	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	26265	0.39	ng		0.00
25) Fluoranthene-d10	19.23	212	211648	0.38	ng		0.00
29) Terphenyl-d14	19.83	244	48341	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	4720	0.382	ng	#	100
3) n-Nitrosodimethylamine	3.69	42	4905	0.375	ng	#	94
6) bis(2-Chloroethyl)ether	7.28	93	9736	0.393	ng		98
9) Naphthalene	10.69	128	119066	0.391	ng		100
10) Hexachlorobutadiene	10.99	225	5180	0.392	ng		98
12) 2-Methylnaphthalene	12.31	142	20148	0.389	ng		98
16) Acenaphthylene	14.20	152	29022	0.369	ng		100
17) Acenaphthene	14.54	154	19399	0.382	ng		99
18) Fluorene	15.51	166	26253	0.389	ng		100
20) 4-Bromophenyl-phenylether	16.41	248	8407	0.385	ng		97
21) Hexachlorobenzene	16.52	284	7888	0.379	ng		100
22) Pentachlorophenol	16.85	266	2426	0.362	ng		95
23) Phenanthrene	17.24	178	48273	0.409	ng		99
24) Anthracene	17.33	178	41811	0.382	ng		99
26) Fluoranthene	19.26	202	61314	0.398	ng		100
28) Pyrene	19.62	202	64106	0.411	ng		100
30) Benzo(a)anthracene	21.35	228	70276	0.386	ng		99
31) Chrysene	21.40	228	70751	0.389	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	138450	0.364	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.46	276	76021	0.340	ng		100
35) Benzo(b)fluoranthene	23.09	252	67896	0.375	ng		99
36) Benzo(k)fluoranthene	23.14	252	71323	0.383	ng		99
37) Benzo(a)pyrene	23.74	252	61523	0.365	ng		100
38) Dibenzo(a,h)anthracene	26.49	278	62741	0.360	ng		98
39) Benzo(g,h,i)perylene	27.26	276	64732	0.370	ng		99

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

Quantitation Report (QT Reviewed)

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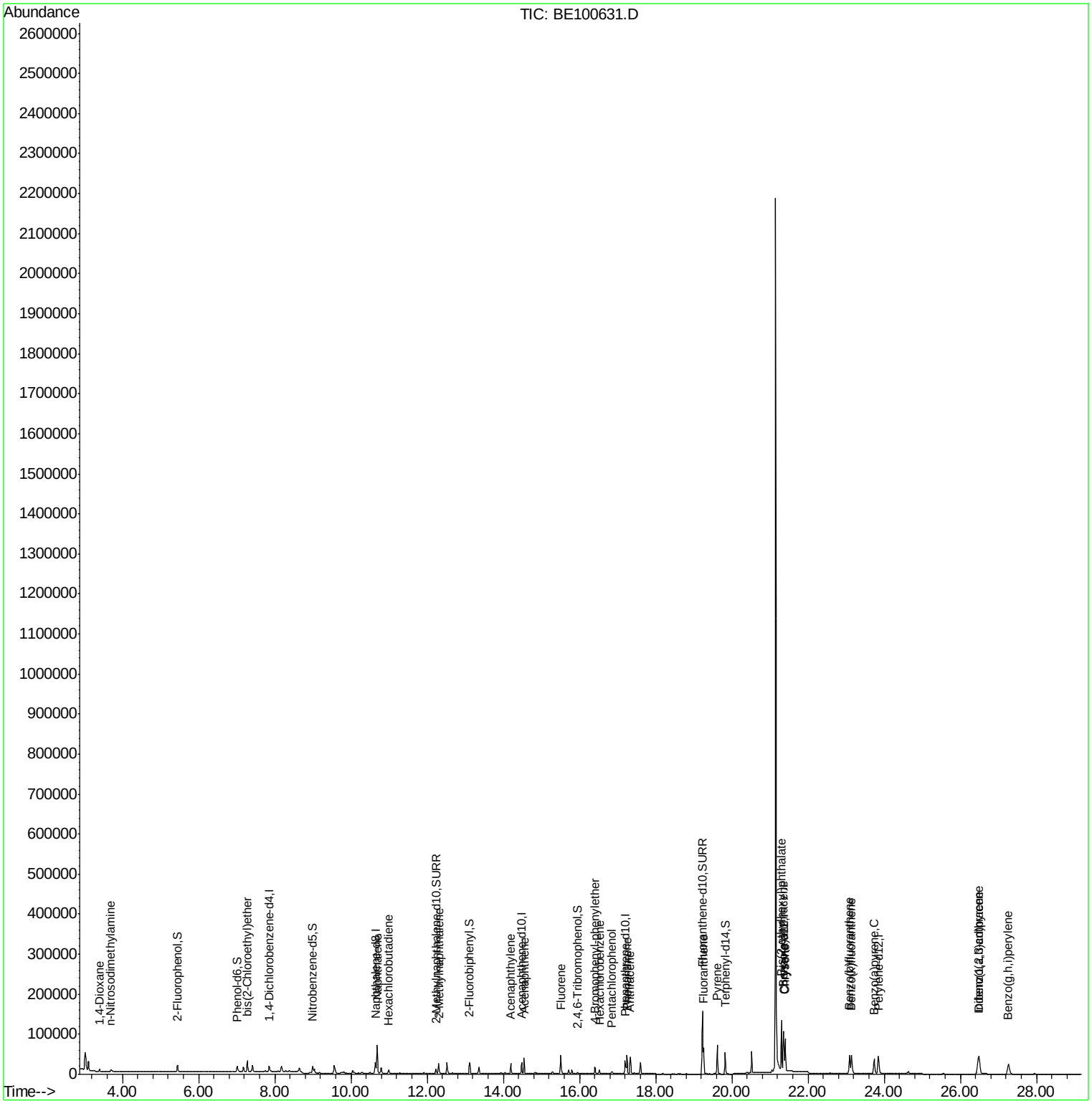
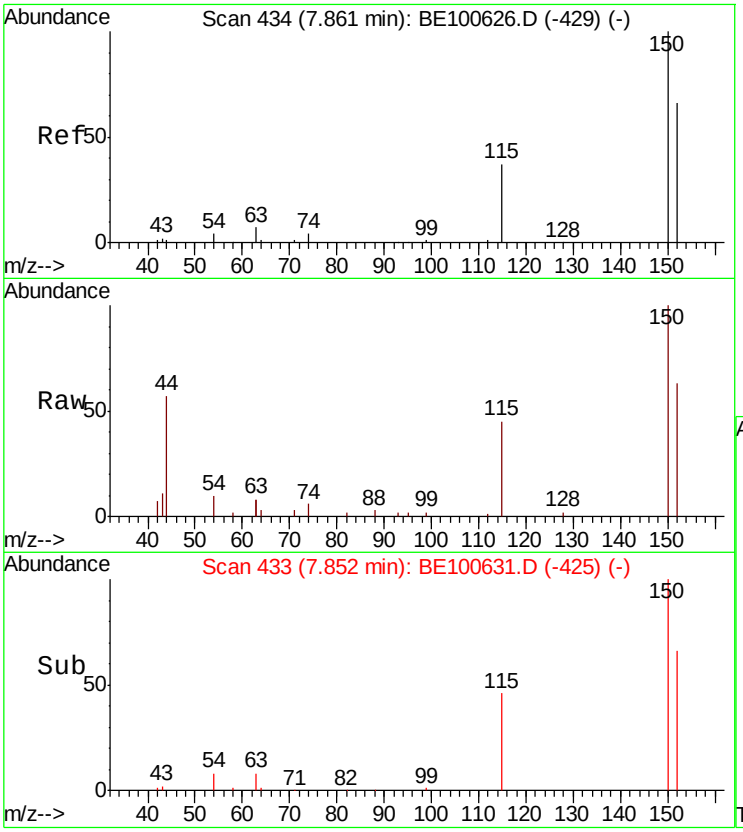
Data File : BE100631.D
Acq On : 10 Oct 2019 15:11
Operator : JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Quant Time: Oct 10 15:57:48 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 14:01:52 2019
Response via : Initial Calibration



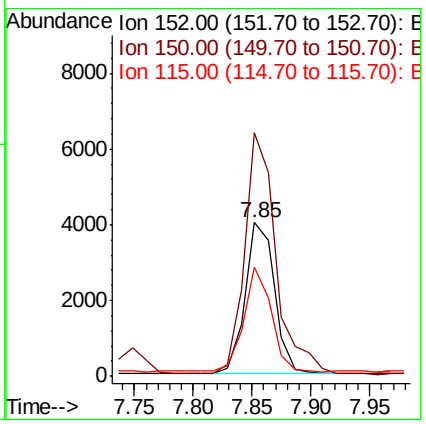


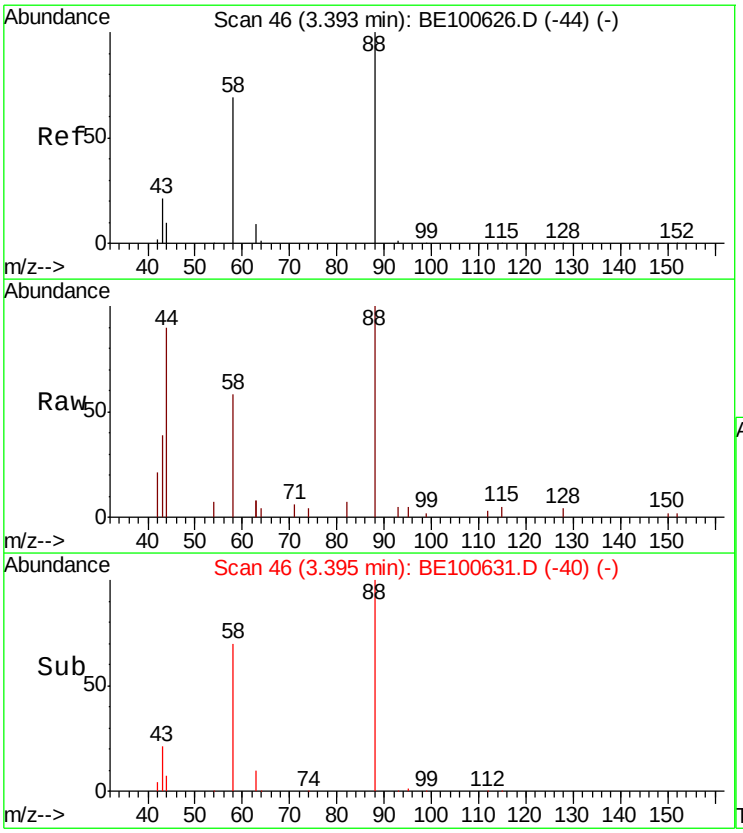
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:152 Resp: 6929

Ion	Ratio	Lower	Upper
152	100		
150	158.3	120.7	181.1
115	70.8	48.0	72.0

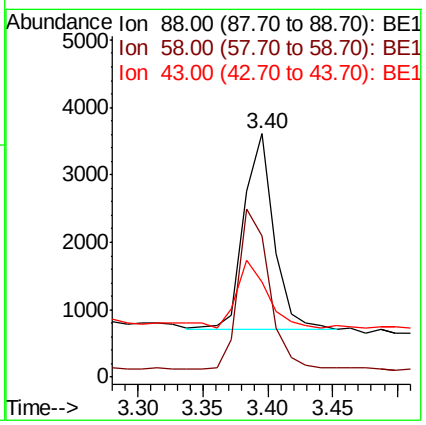


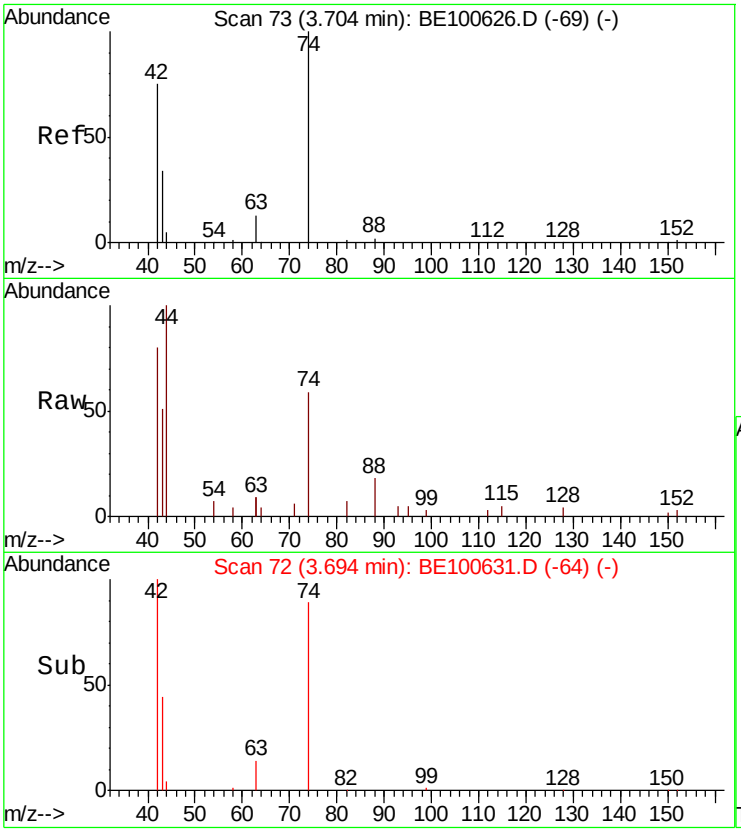


#2
1,4-Dioxane
Concen: 0.382 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion: 88 Resp: 4720

Ion	Ratio	Lower	Upper
88	100		
58	82.9	0.0	0.0#
43	34.7	0.0	0.0#

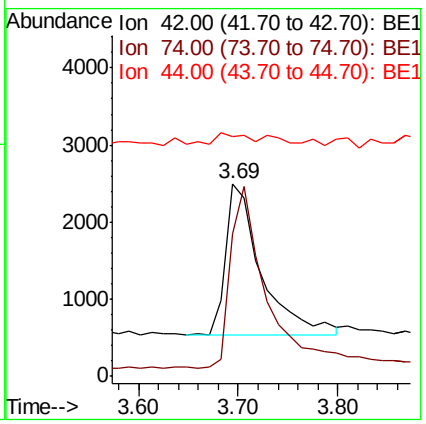




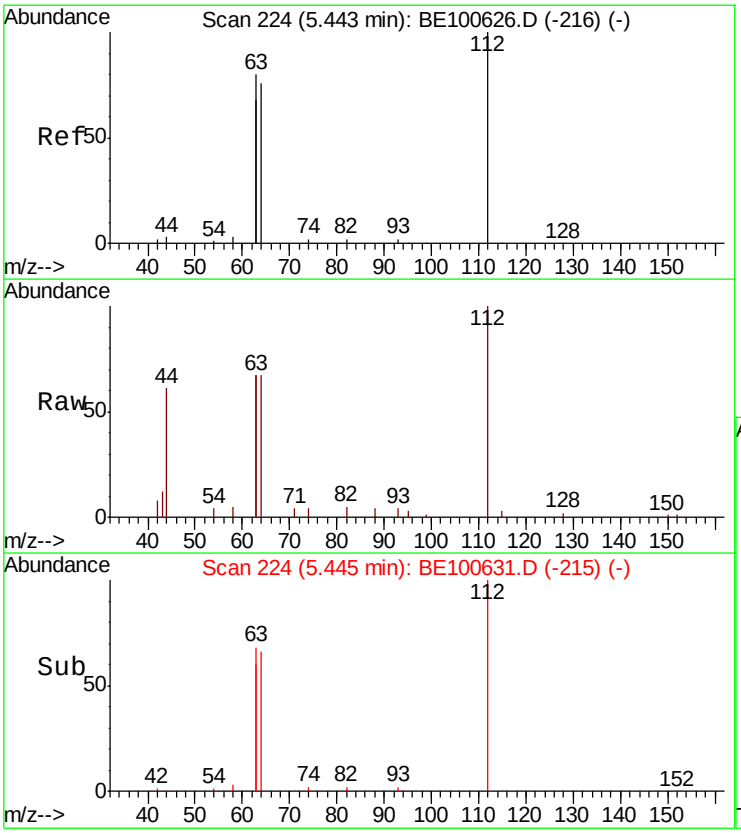
#3
n-Nitrosodimethylamine
Concen: 0.375 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion: 42 Resp: 4905

Ion	Ratio	Lower	Upper
42	100		
74	119.3	91.7	137.5
44	0.0	8.2	12.2#



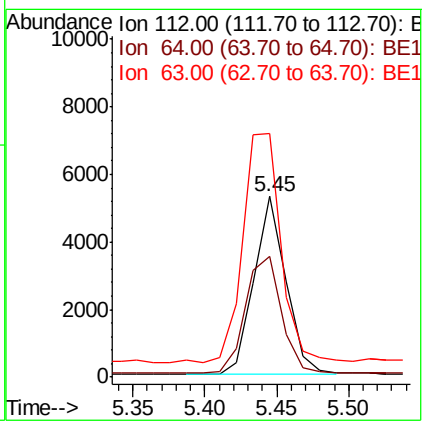
Instrument :
BNA_E
ClientSampleId :
ICVBE101019

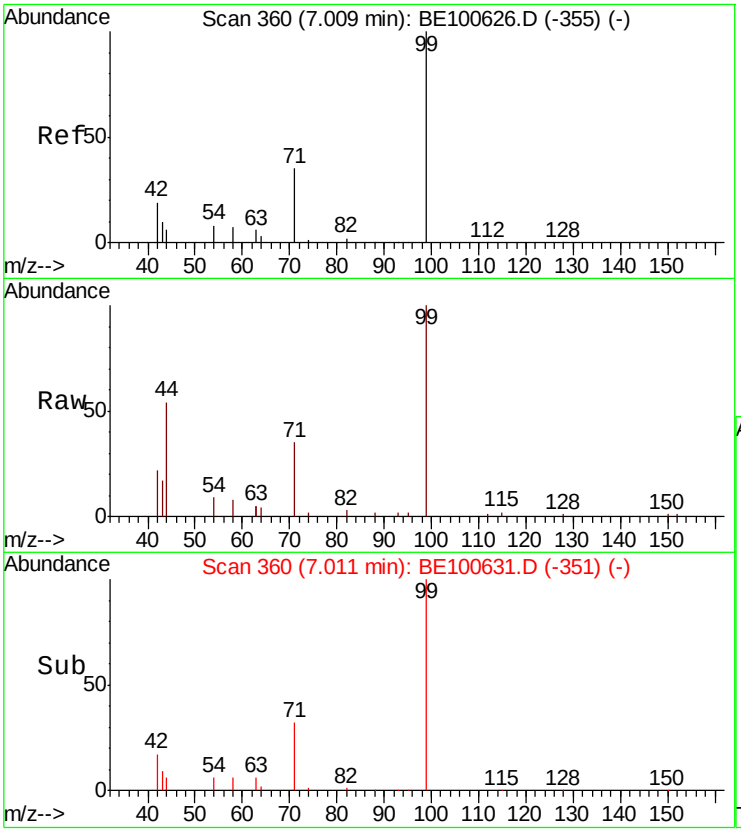


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:112 Resp: 8157

Ion	Ratio	Lower	Upper
112	100		
64	73.3	58.9	88.3
63	151.6	118.3	177.5



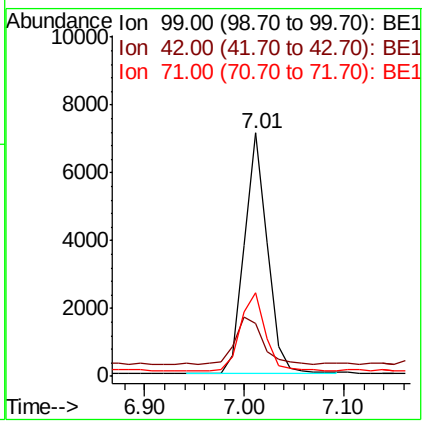


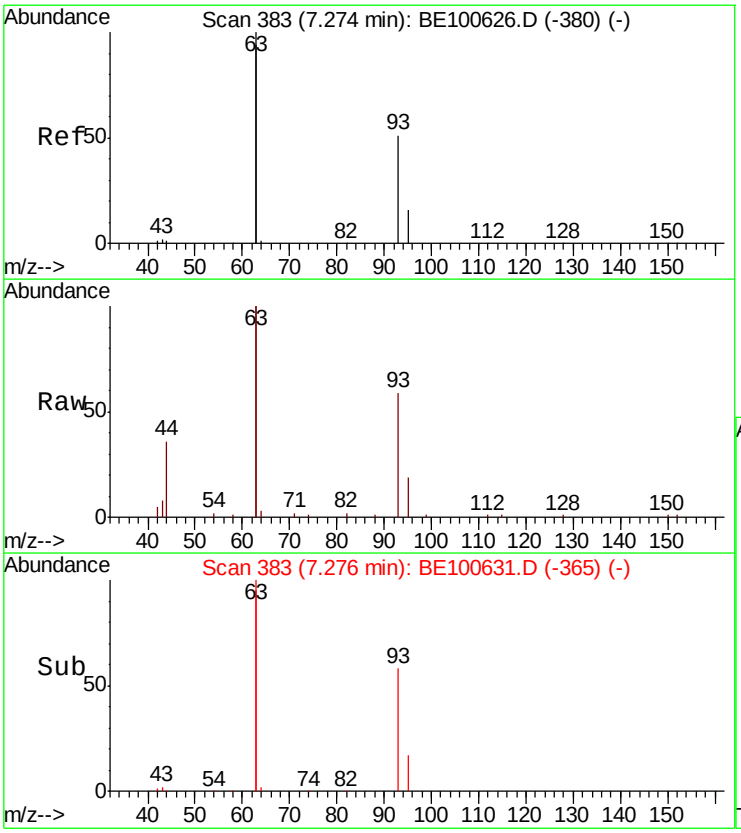
#5
Phenol-d6
Concen: 0.378 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion: 99 Resp: 11394

Ion	Ratio	Lower	Upper
99	100		
42	23.5	19.4	29.2
71	35.0	26.9	40.3

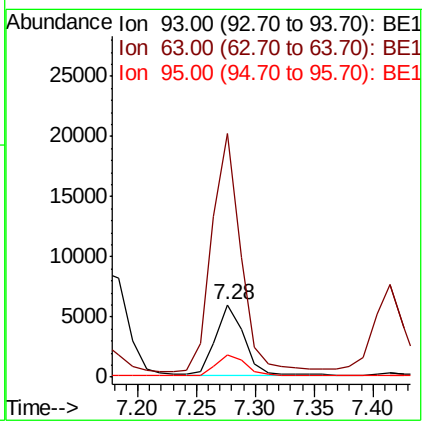


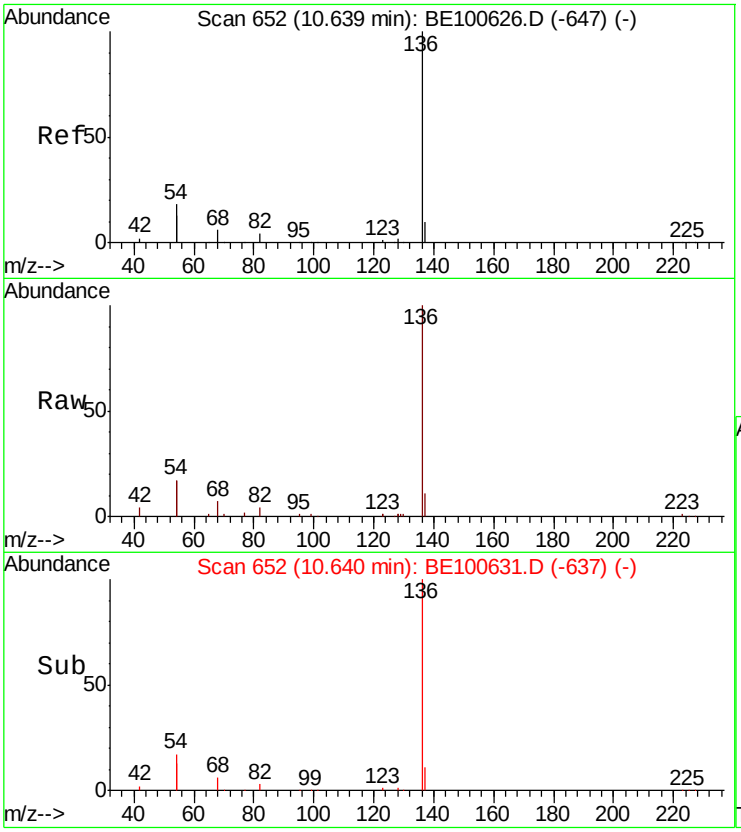


#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.28 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion: 93 Resp: 9736

Ion	Ratio	Lower	Upper
93	100		
63	342.5	277.4	416.0
95	31.4	24.7	37.1



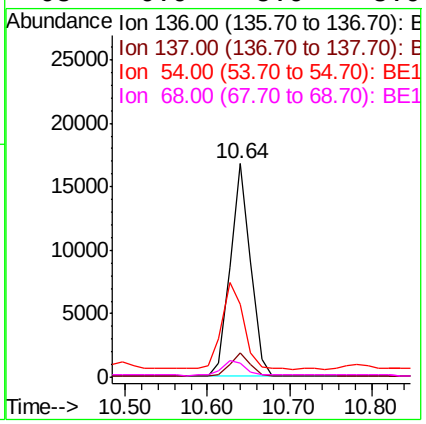


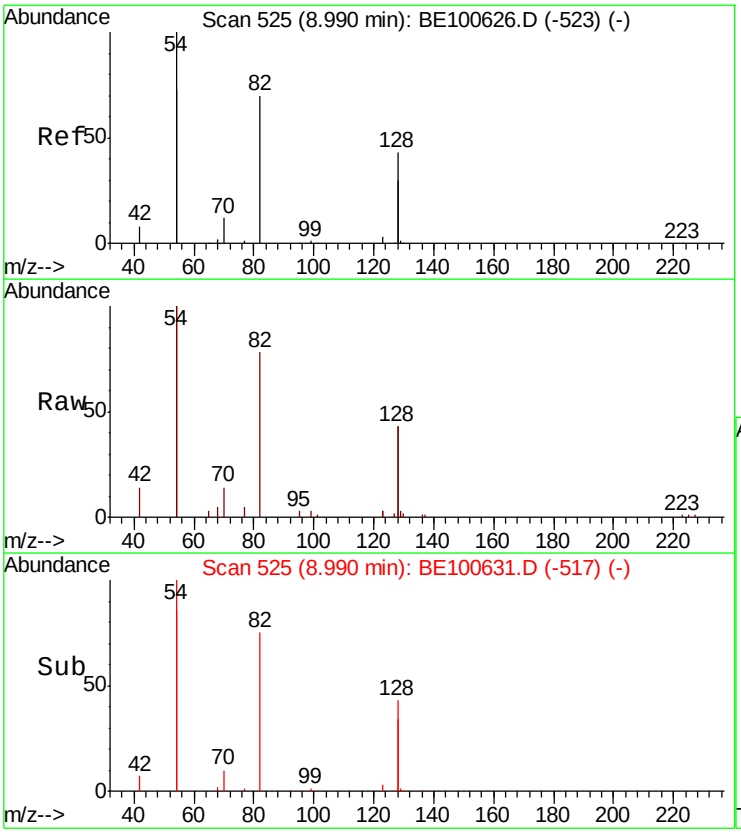
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:136 Resp: 28932

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	34.4	28.7	43.1
68	6.9	5.9	8.9

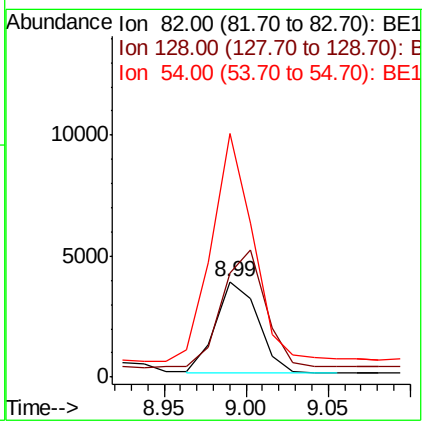


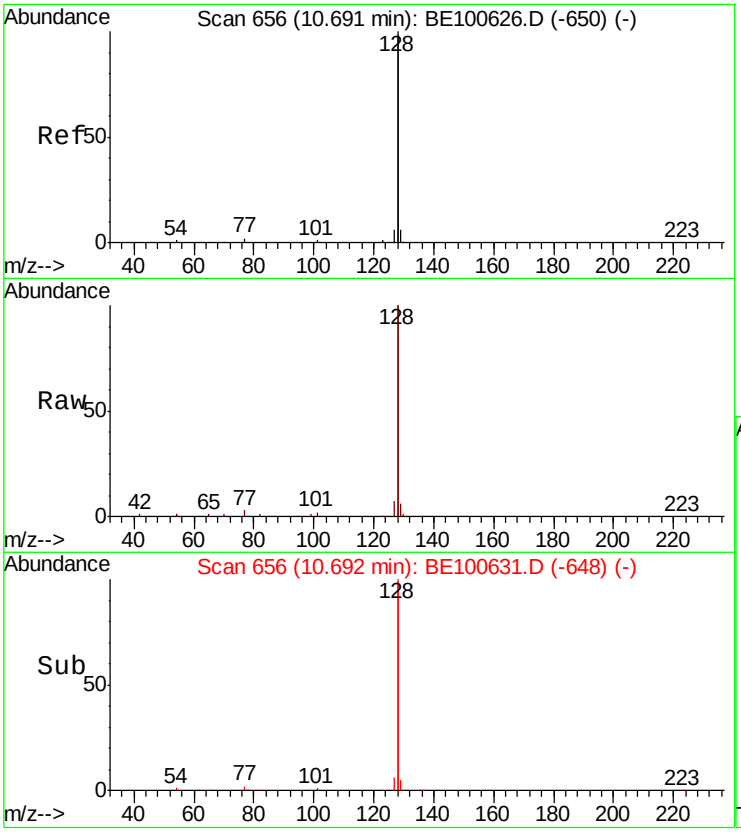


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion: 82 Resp: 6850

Ion	Ratio	Lower	Upper
82	100		
128	109.0	90.7	136.1
54	255.0	210.9	316.3



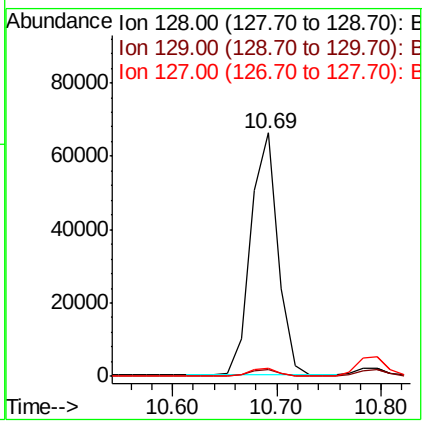


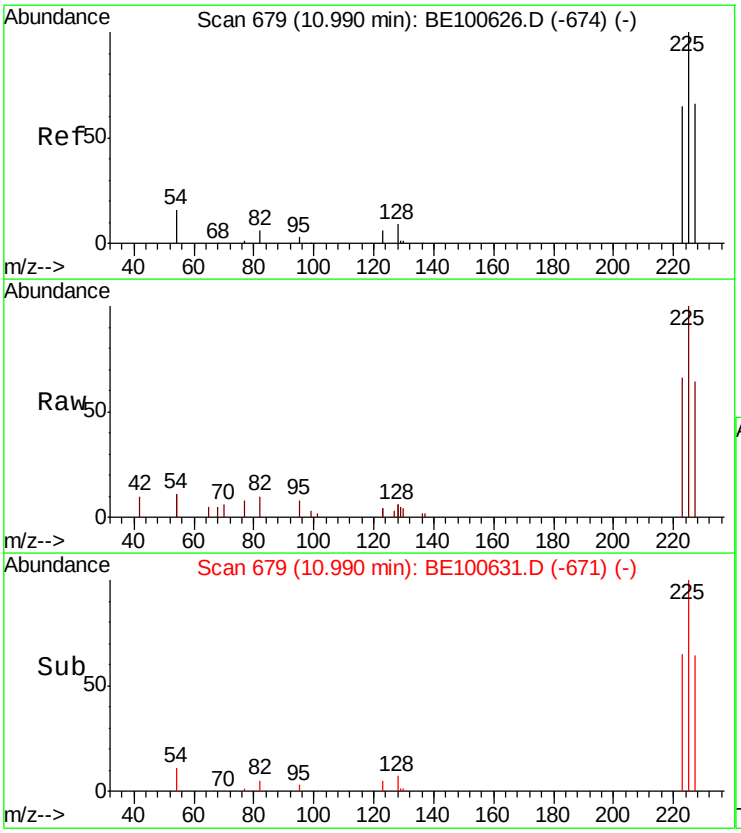
#9
Naphthalene
Concen: 0.391 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:128 Resp: 119066

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.4	3.6
127	3.3	2.6	3.8

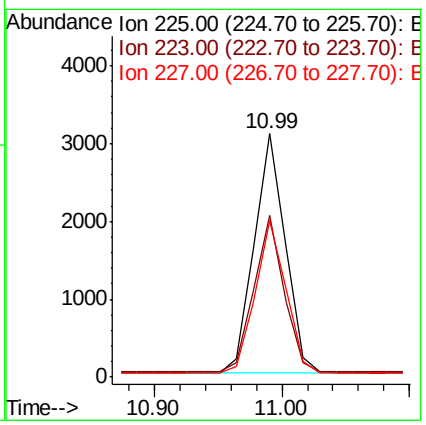


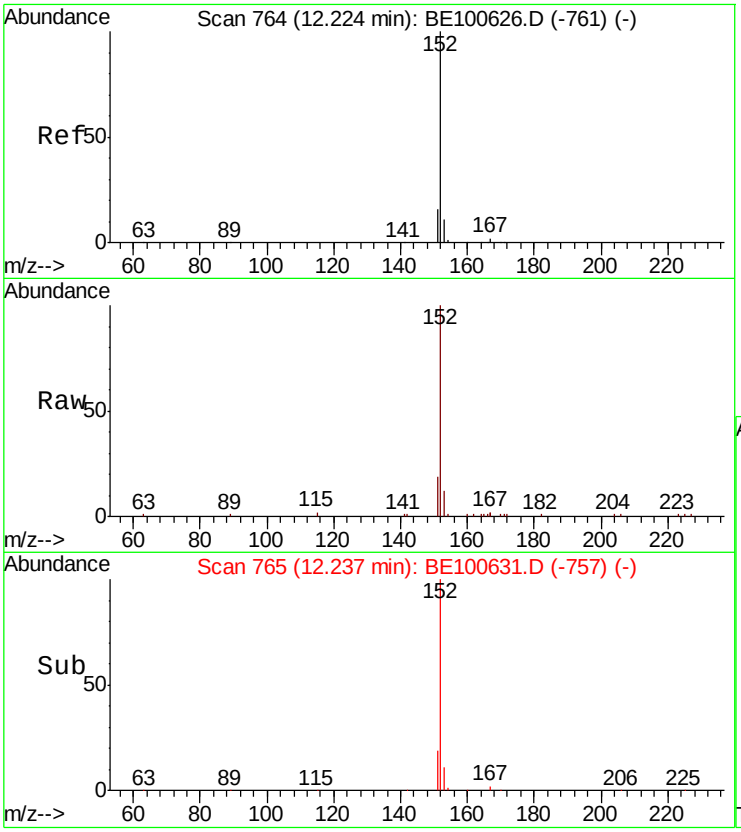


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:225 Resp: 5180

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.2	76.8
227	62.7	51.8	77.8



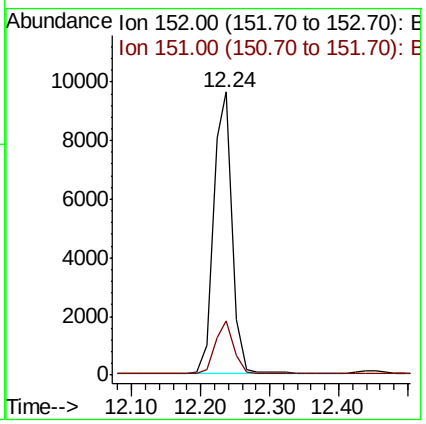


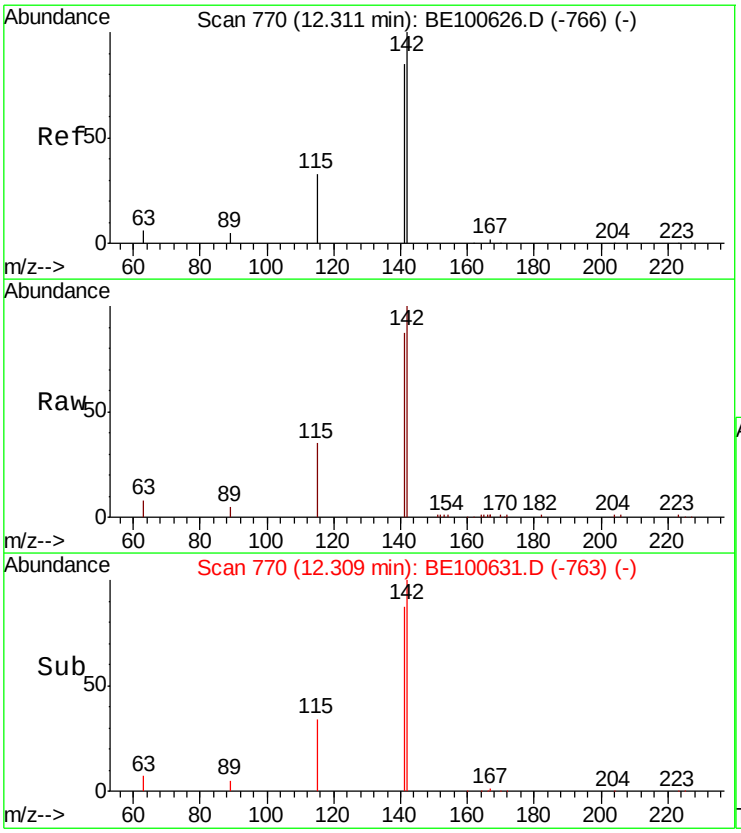
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:152 Resp: 17876

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.2	22.8

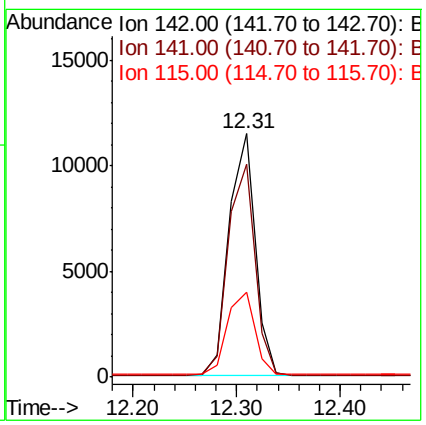


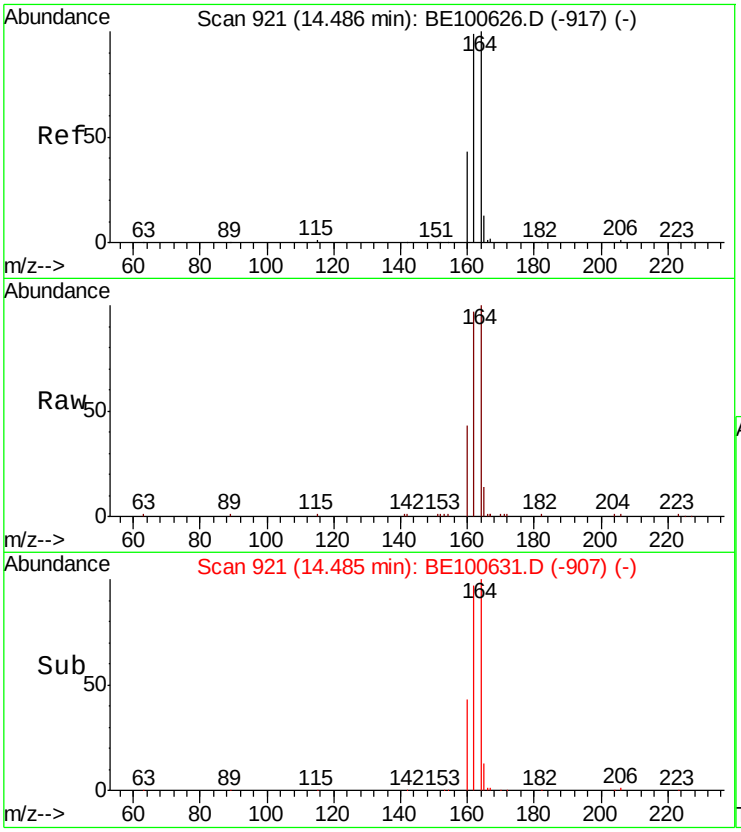


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:142 Resp: 20148

Ion	Ratio	Lower	Upper
142	100		
141	87.5	68.3	102.5
115	34.7	27.5	41.3



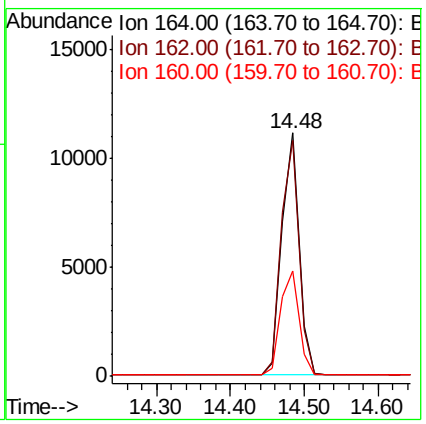


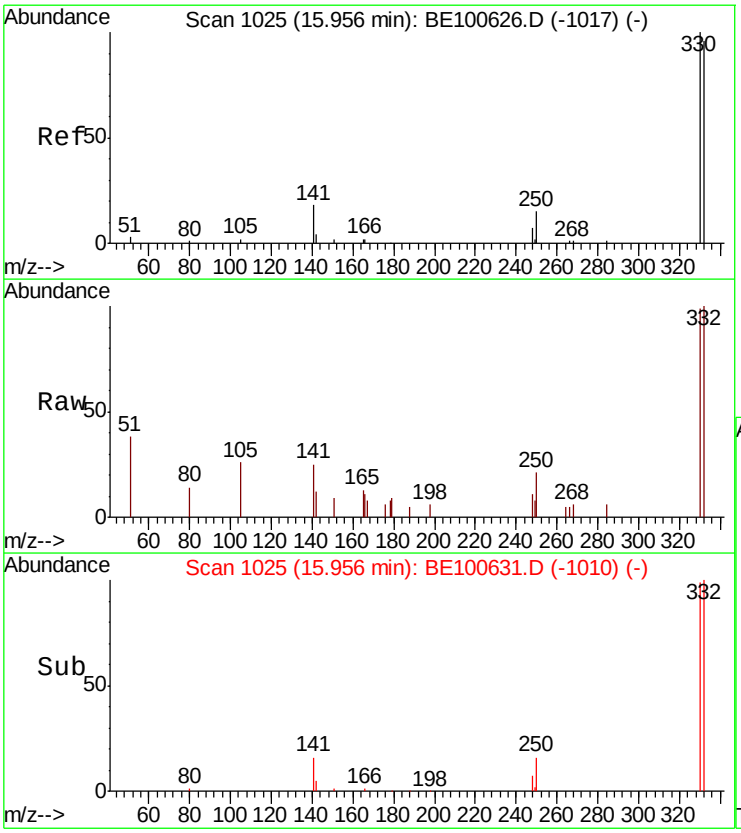
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:164 Resp: 18269

Ion	Ratio	Lower	Upper
164	100		
162	97.0	79.1	118.7
160	43.5	34.7	52.1

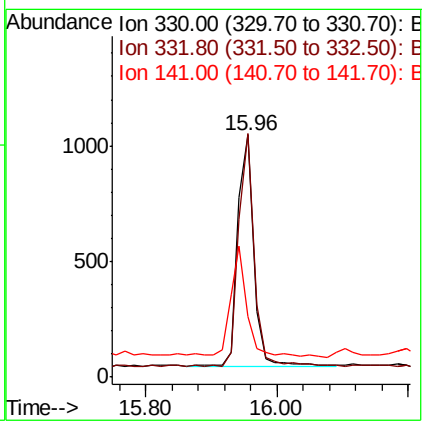


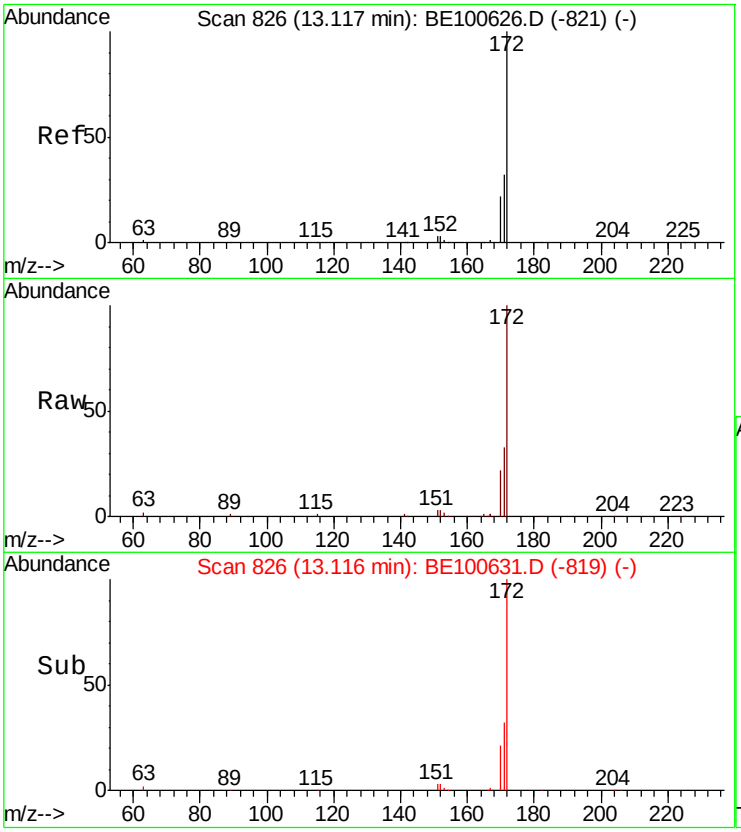


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:330 Resp: 1716

Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.2	112.8
141	54.1	37.5	56.3



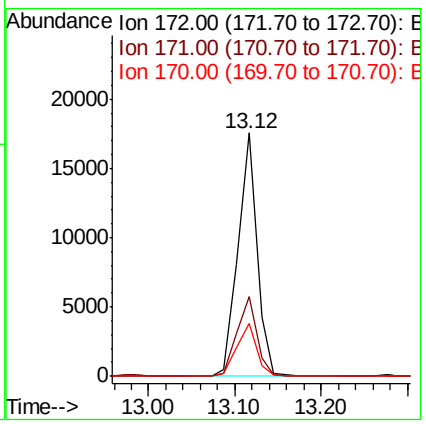


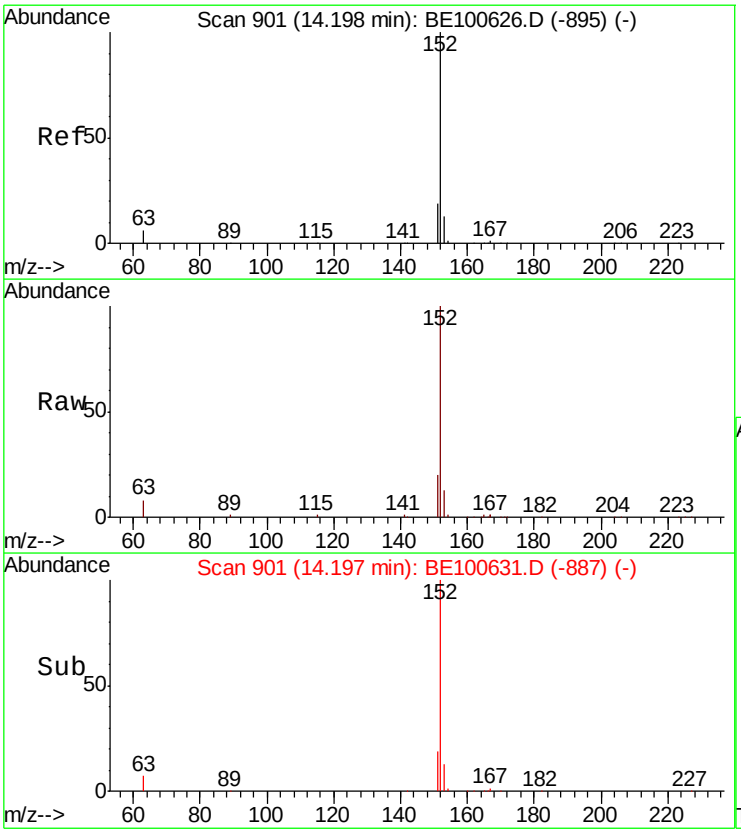
#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:172 Resp: 26265

Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.2	39.4
170	21.5	17.5	26.3

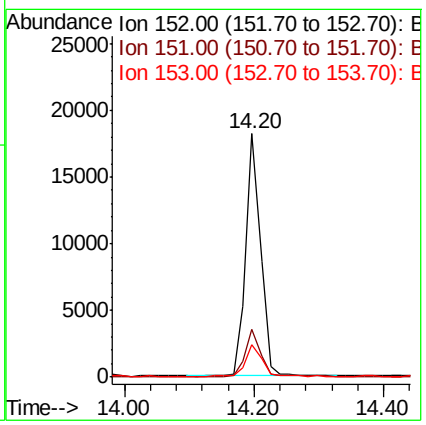


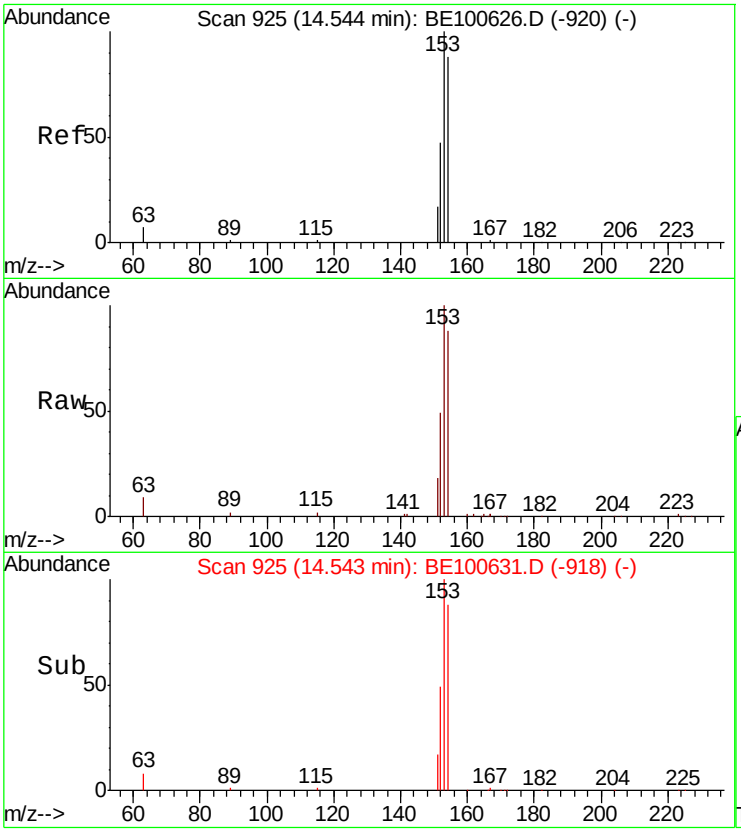


#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:152 Resp: 29022

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.5	10.5	15.7



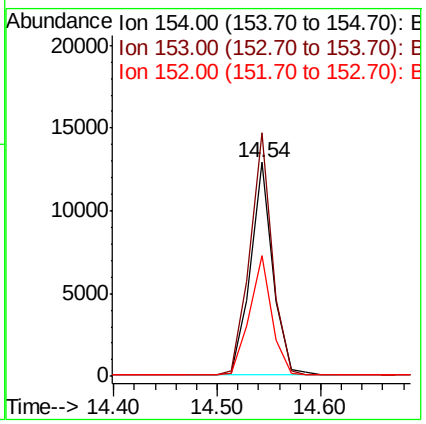


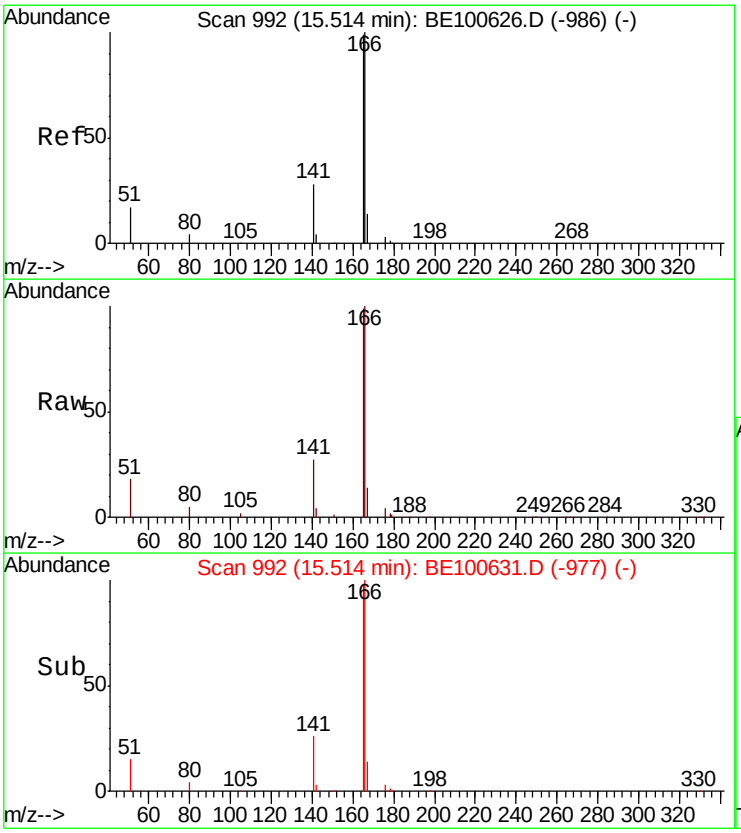
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:154 Resp: 19399

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.4	137.2
152	55.8	44.0	66.0

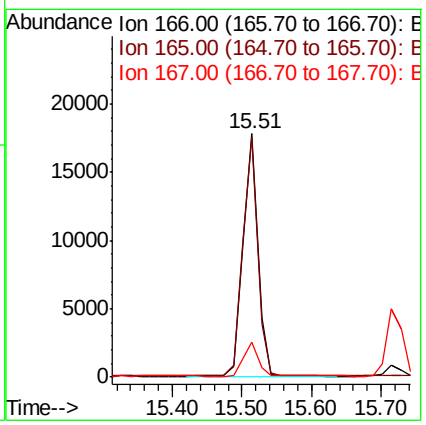


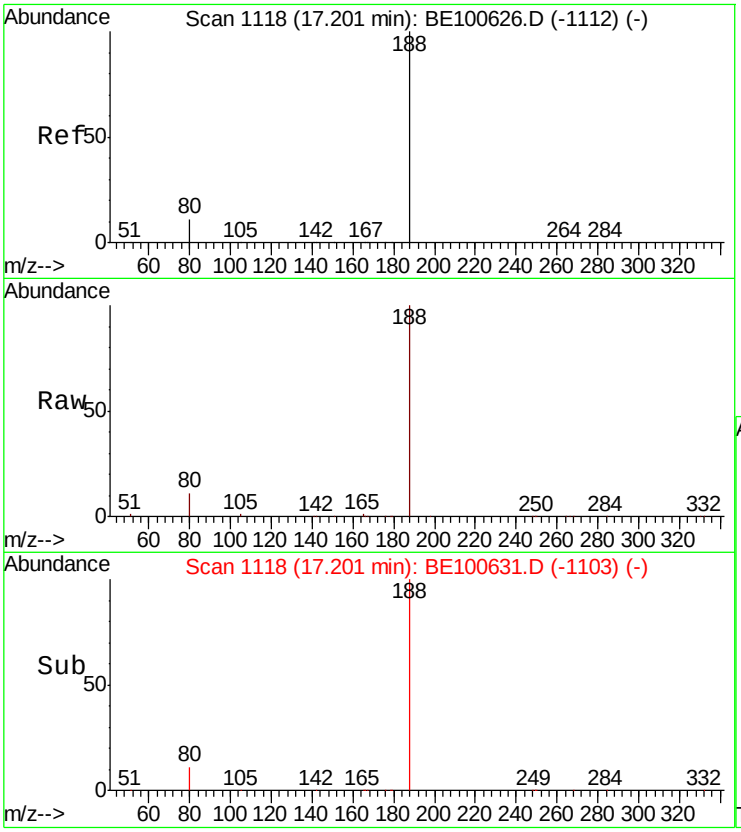


#18
Fluorene
Concen: 0.389 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:166 Resp: 26253

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.9	118.3
167	13.5	10.9	16.3



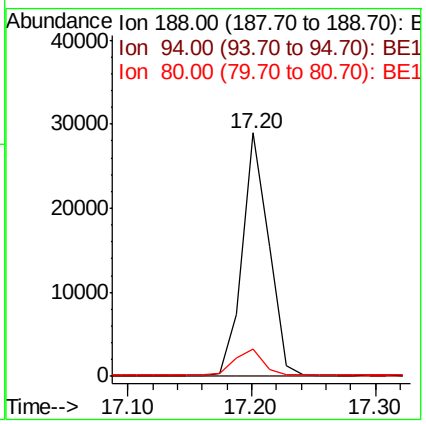


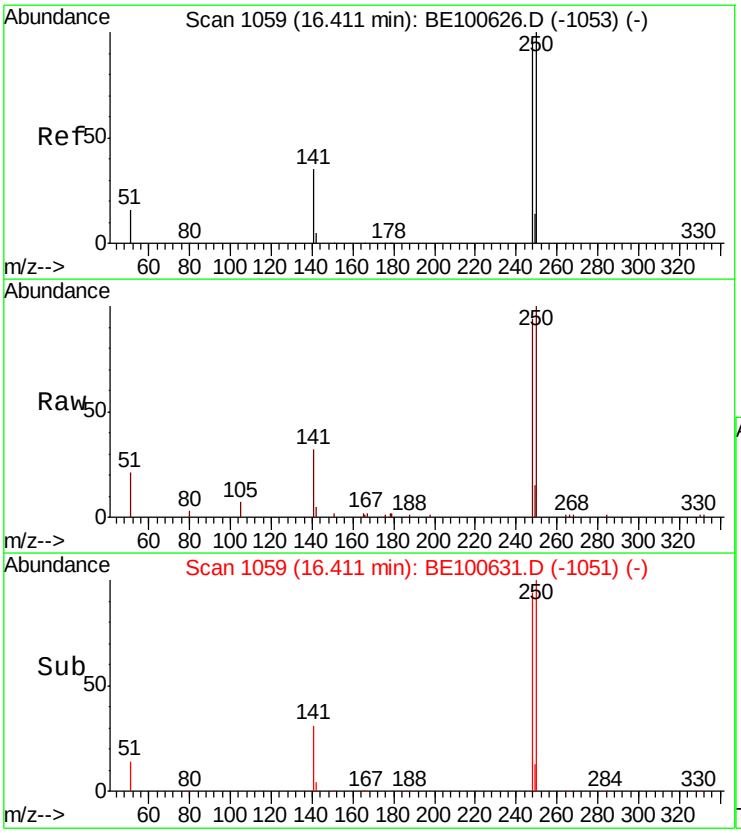
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:188 Resp: 42897

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	9.4	14.2

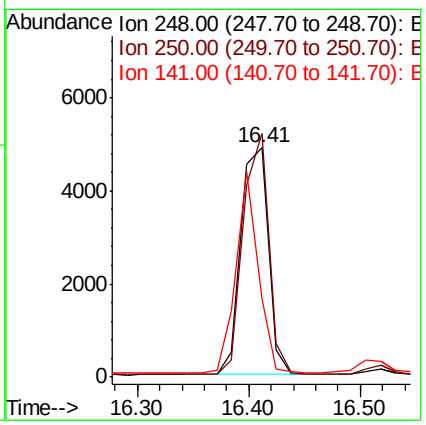


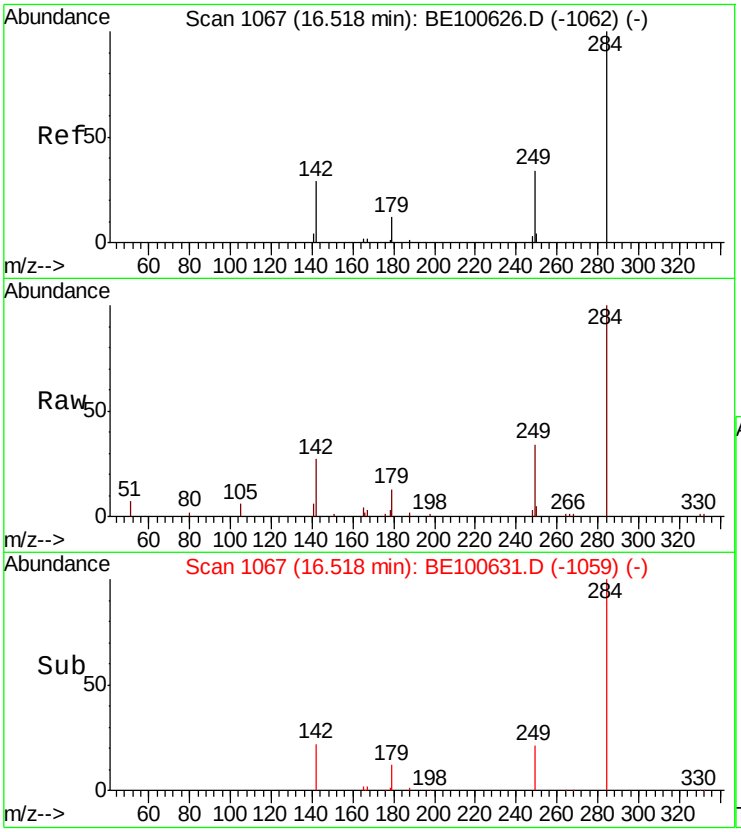


#20
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:248 Resp: 8407

Ion	Ratio	Lower	Upper
248	100		
250	106.3	83.4	125.2
141	34.4	30.8	46.2



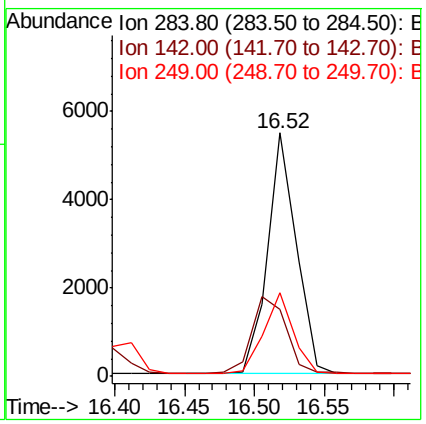


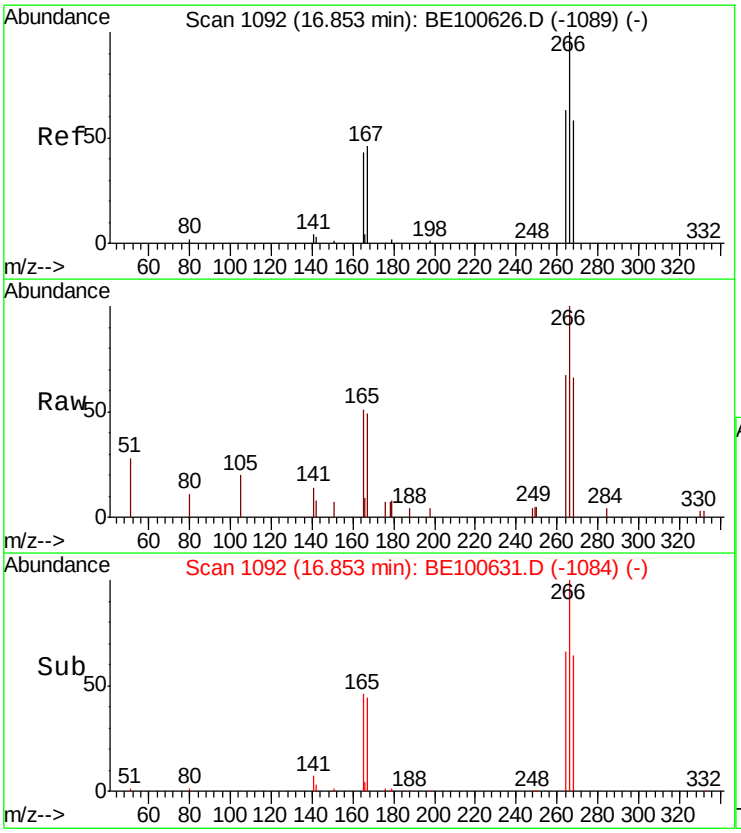
#21
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:284 Resp: 7888

Ion	Ratio	Lower	Upper
284	100		
142	37.6	29.8	44.8
249	34.0	27.3	40.9

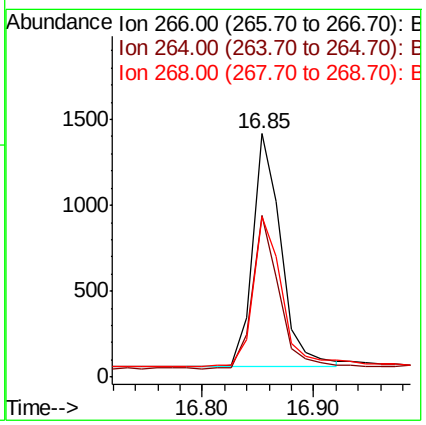


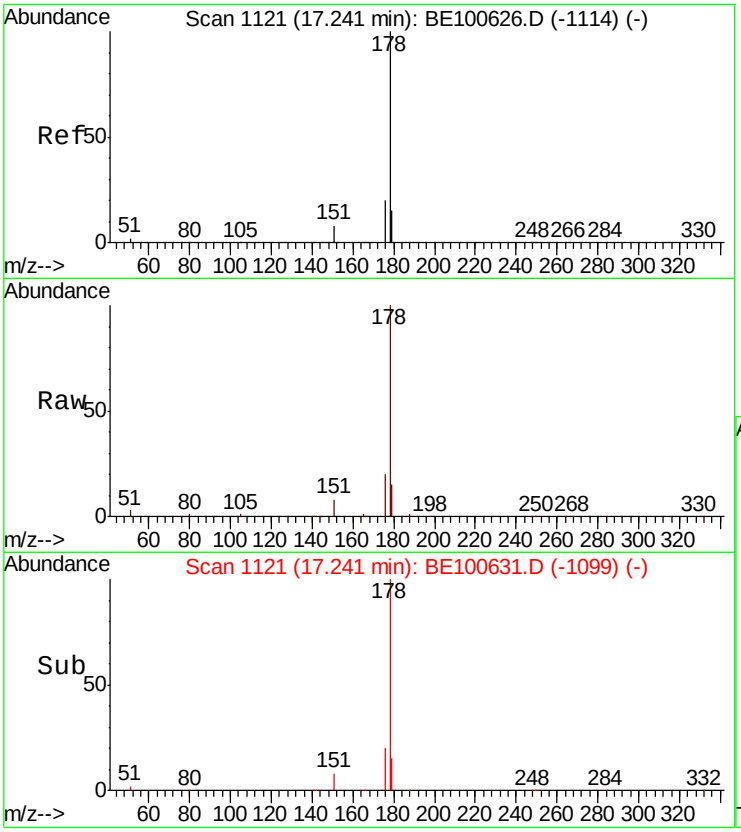


#22
Pentachlorophenol
Concen: 0.362 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:266 Resp: 2426

Ion	Ratio	Lower	Upper
266	100		
264	66.6	50.7	76.1
268	65.7	48.5	72.7



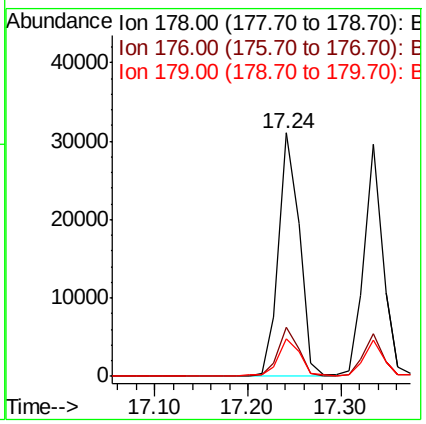


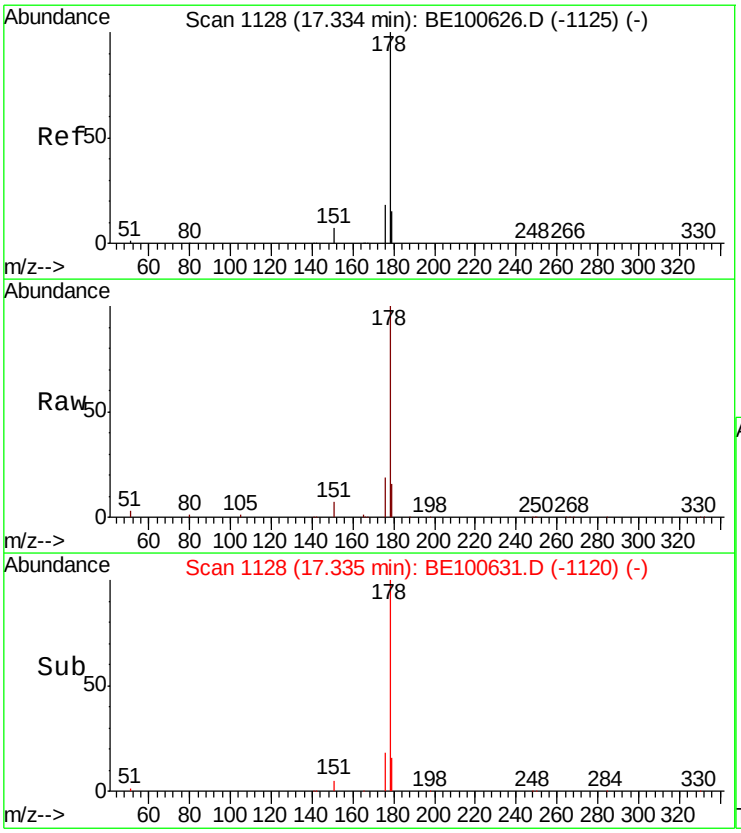
#23
Phenanthrene
Concen: 0.409 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:178 Resp: 48273

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.2	12.4	18.6

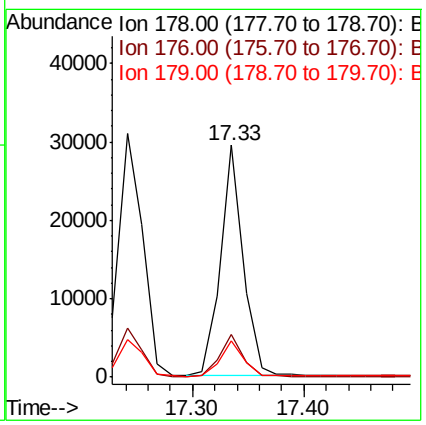


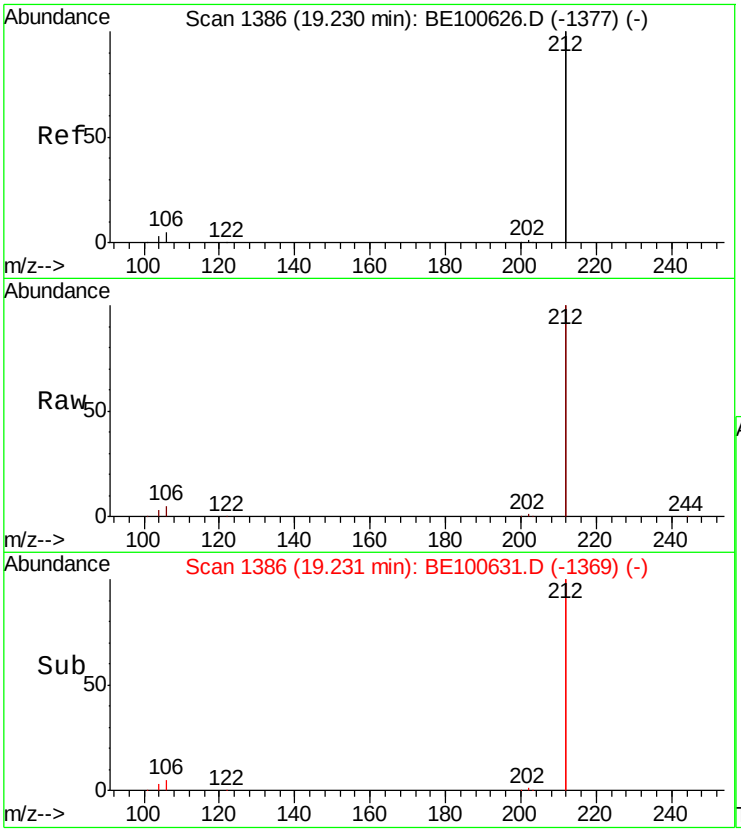


#24
Anthracene
Concen: 0.382 ng
RT: 17.33 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:178 Resp: 41811

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	15.6	12.4	18.6



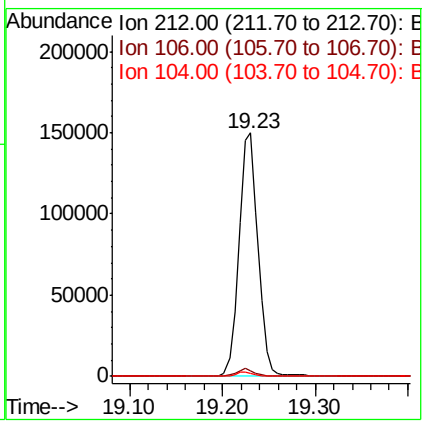


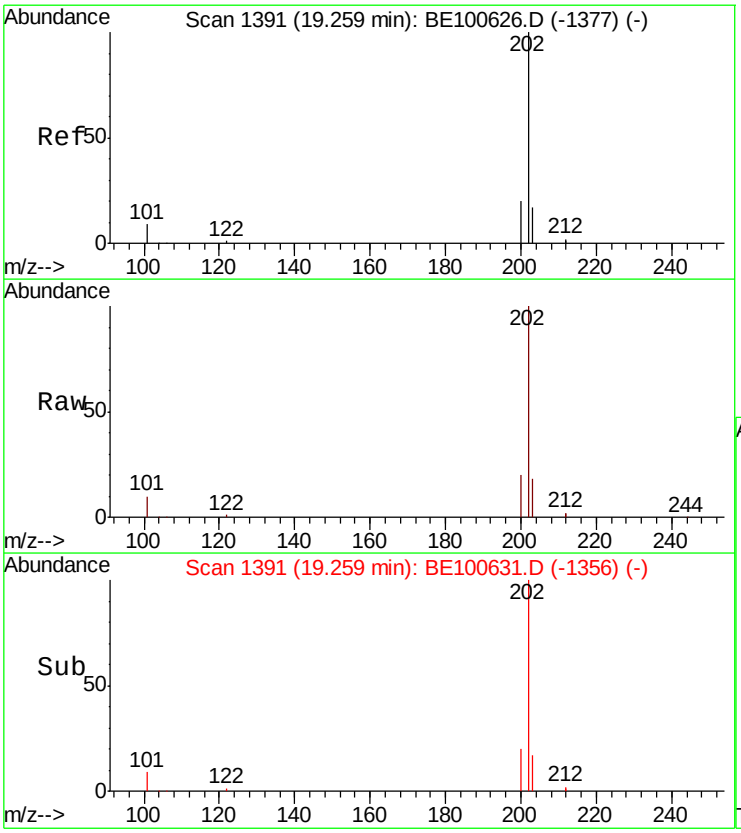
#25
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:212 Resp: 211648

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

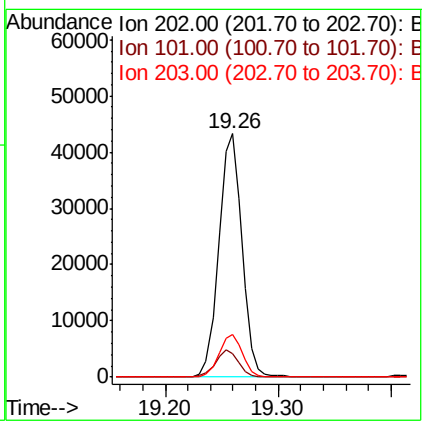


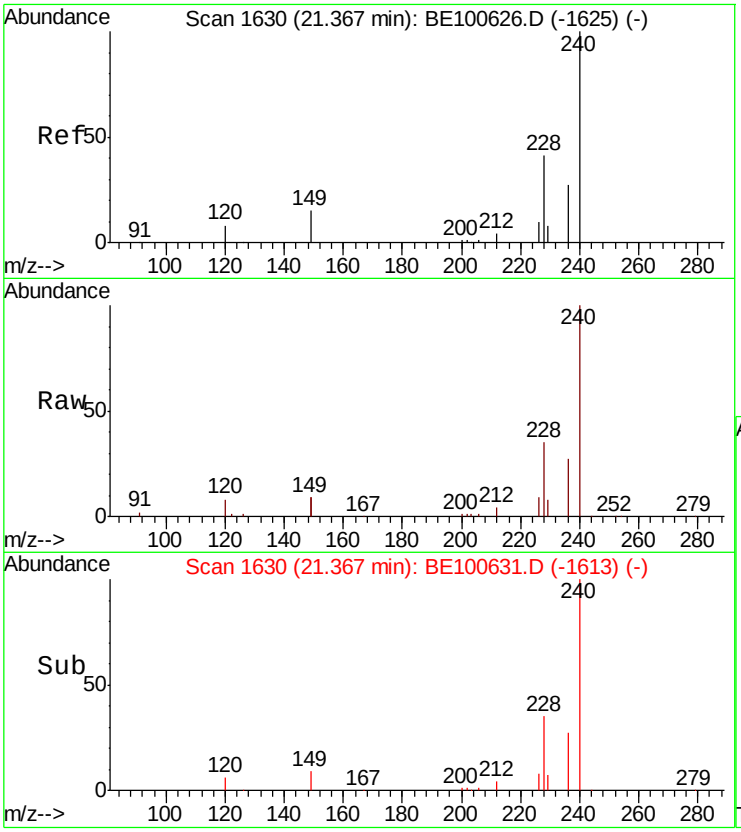


#26
Fluoranthene
Concen: 0.398 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:202 Resp: 61314

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.4	12.6
203	17.2	13.8	20.6



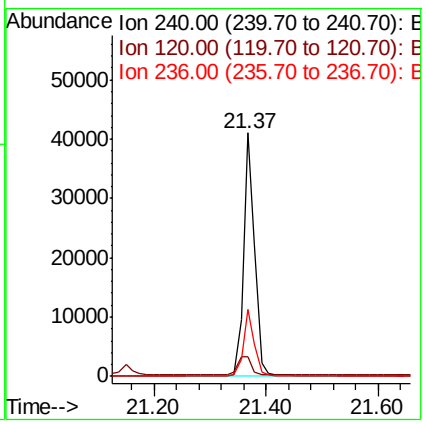


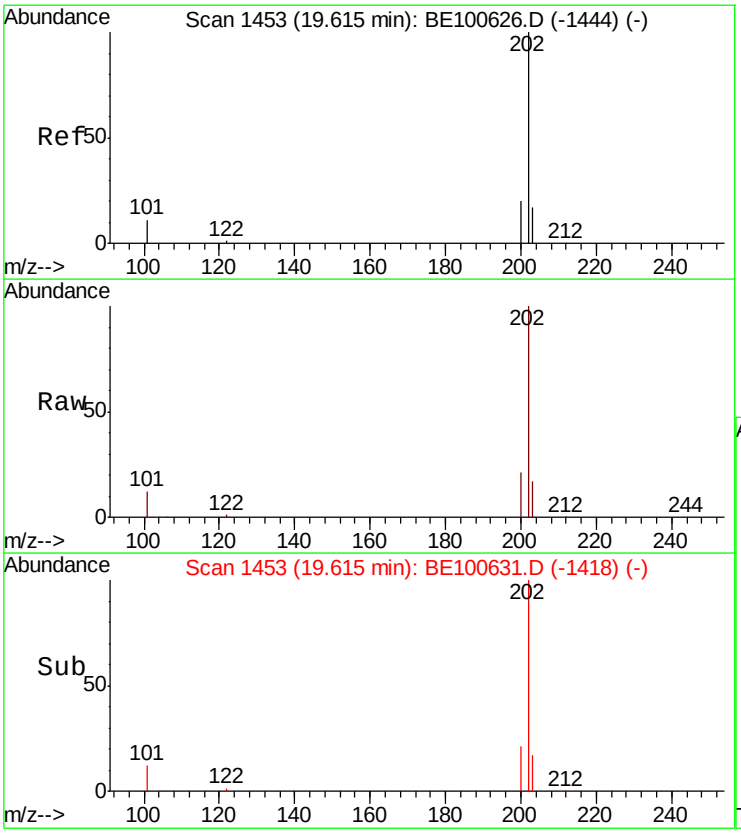
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:240 Resp: 55768

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.4	11.0
236	27.3	21.7	32.5

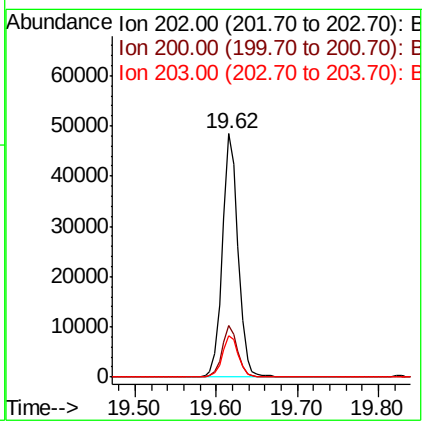


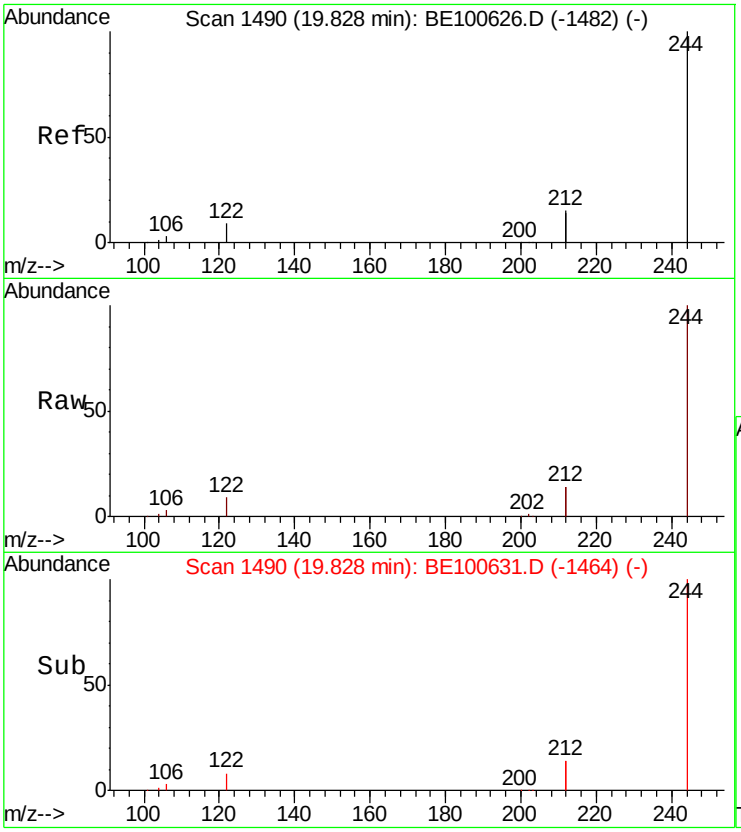


#28
Pyrene
Concen: 0.411 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:202 Resp: 64106

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.4	13.9	20.9



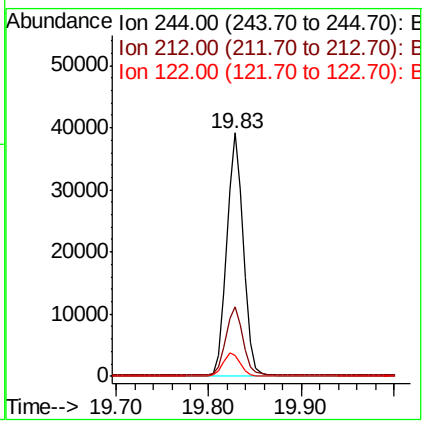


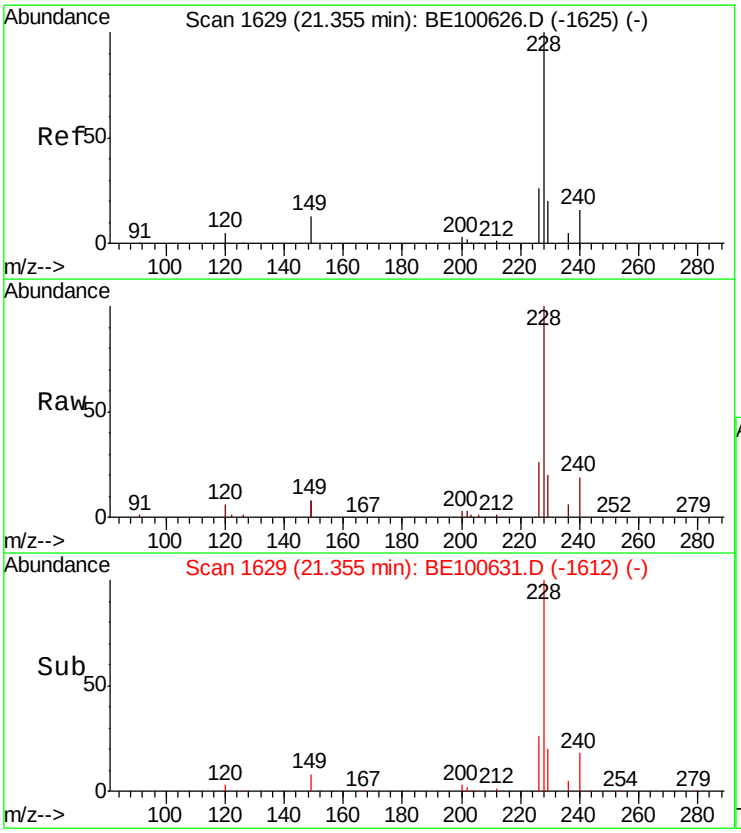
#29
Terphenyl-d14
Concen: 0.396 ng
RT: 19.83 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:244 Resp: 48341

Ion	Ratio	Lower	Upper
244	100		
212	28.5	23.9	35.9
122	8.6	7.7	11.5

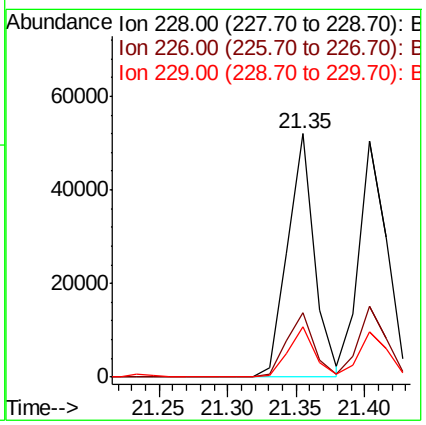


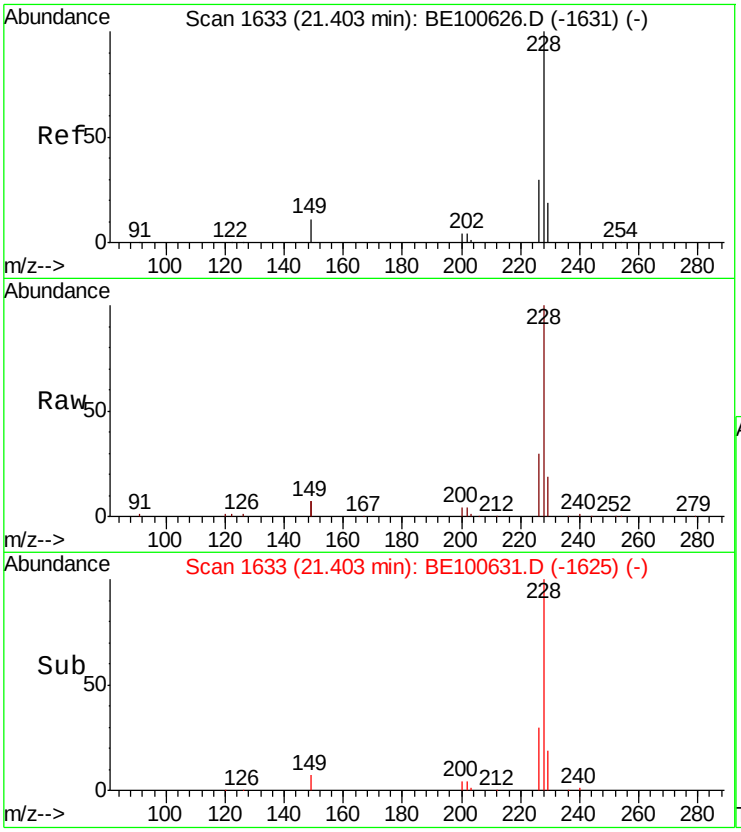


#30
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:228 Resp: 70276

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.6
229	20.5	15.8	23.8



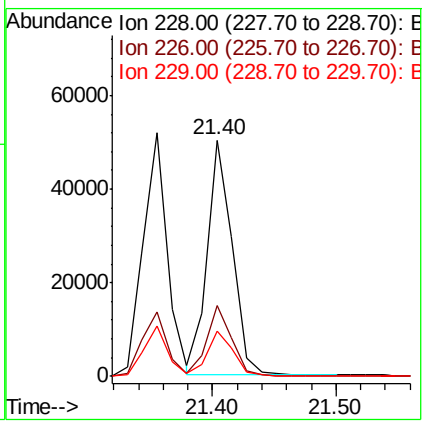


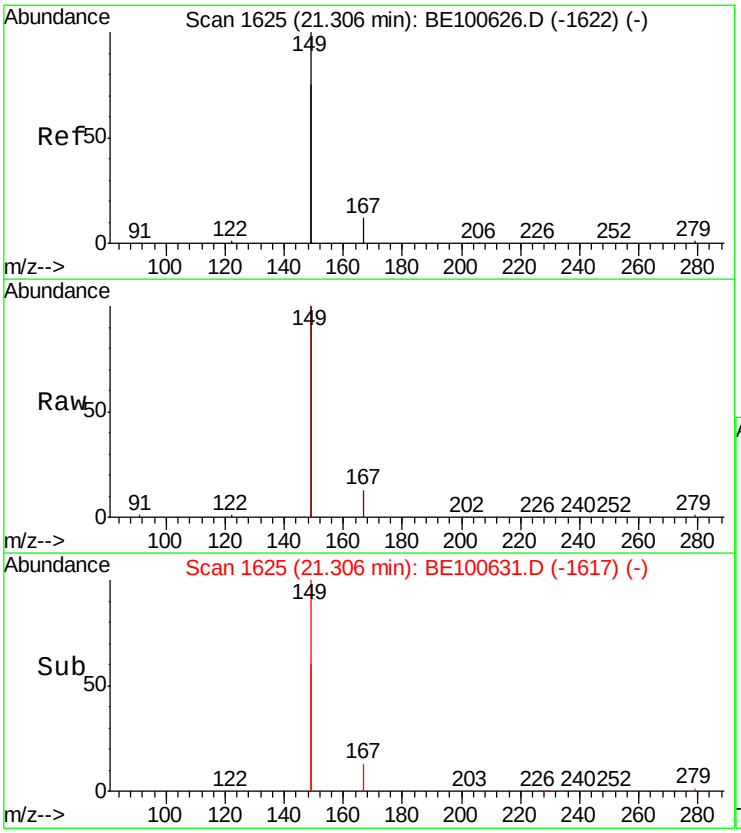
#31
Chrysene
Concen: 0.389 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:228 Resp: 70751

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.3	15.6	23.4

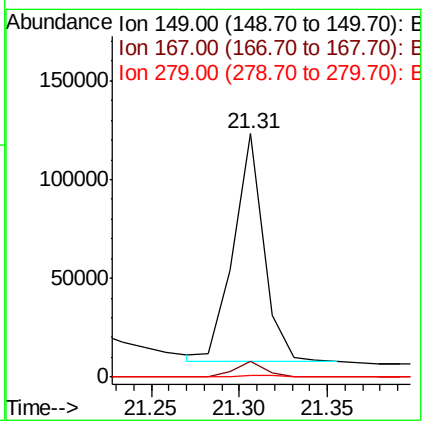


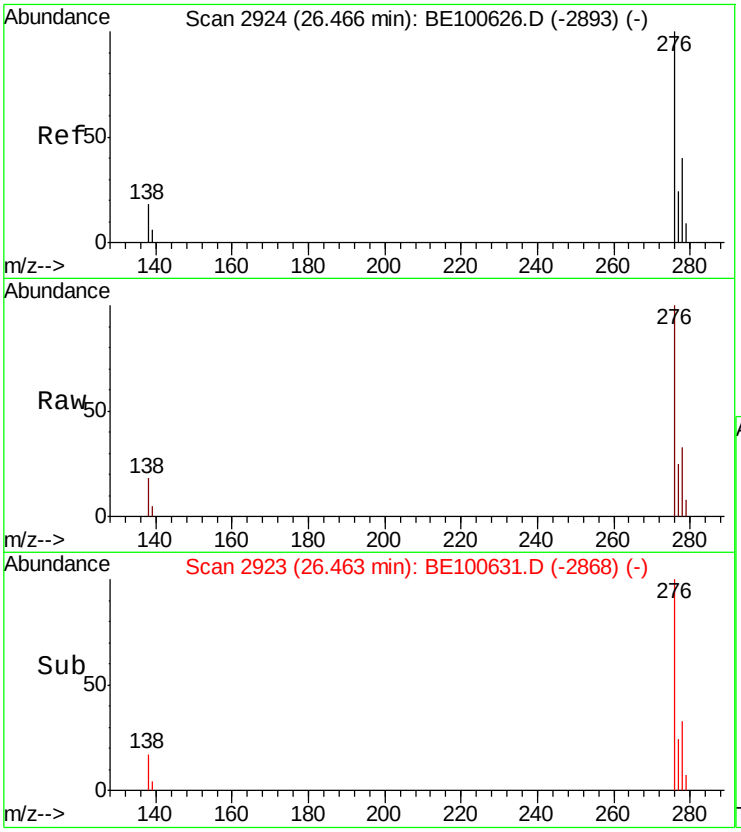


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.364 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:149 Resp: 138450

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.2
279	1.0	1.5	2.3#



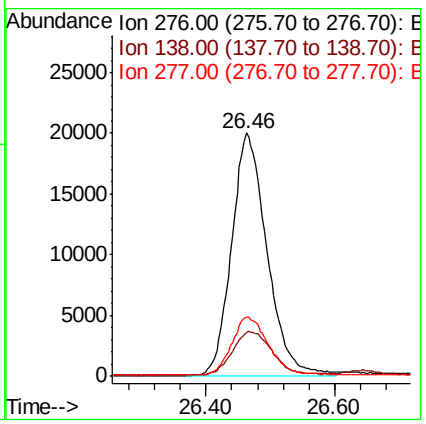


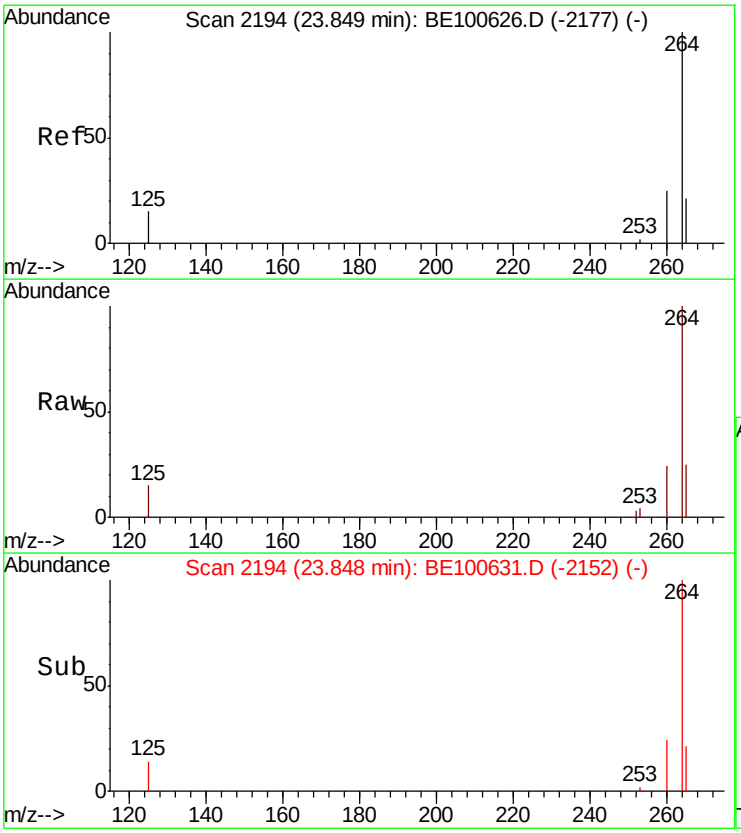
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.340 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:276 Resp: 76021

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.0	24.0
277	24.8	19.7	29.5

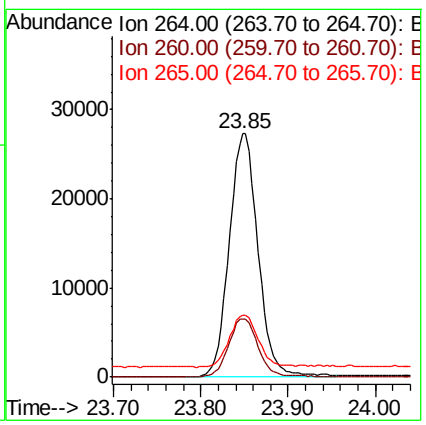


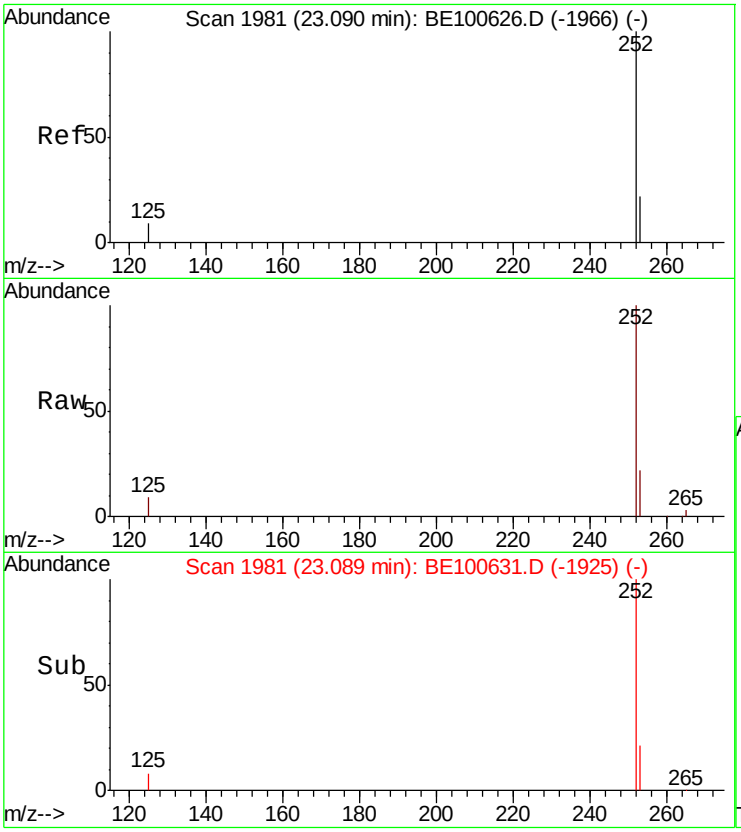


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:264 Resp: 62046

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.9	29.9
265	25.3	20.0	30.0



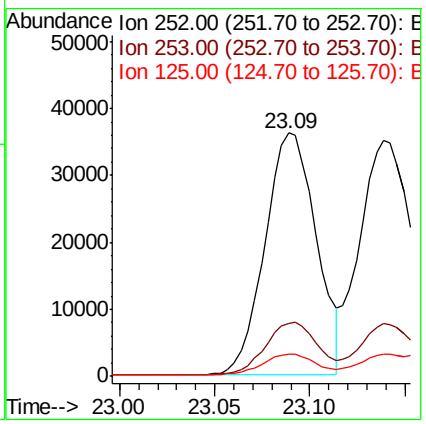


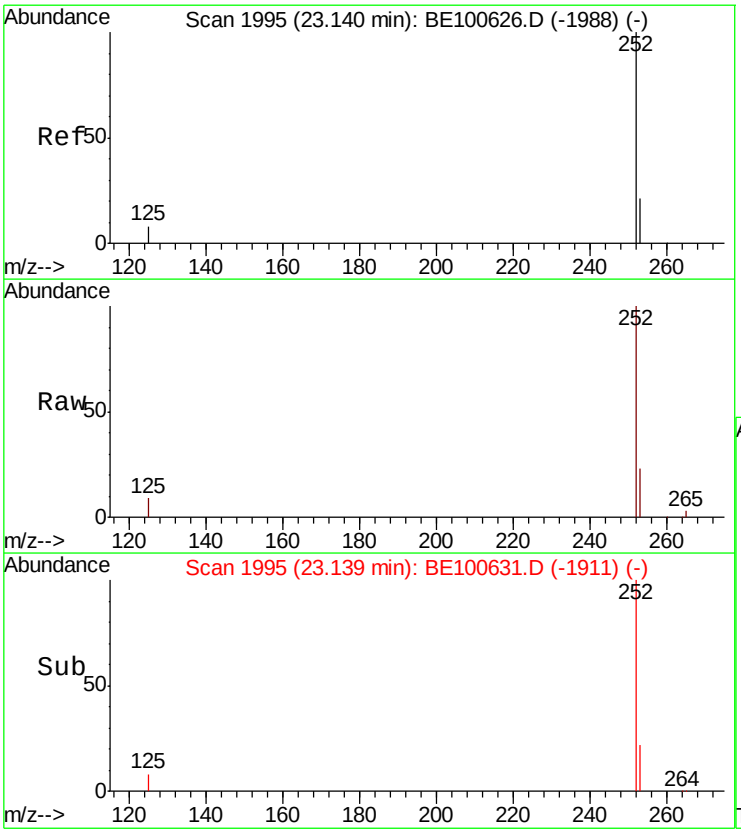
#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:252 Resp: 67896

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.1	7.6	11.4

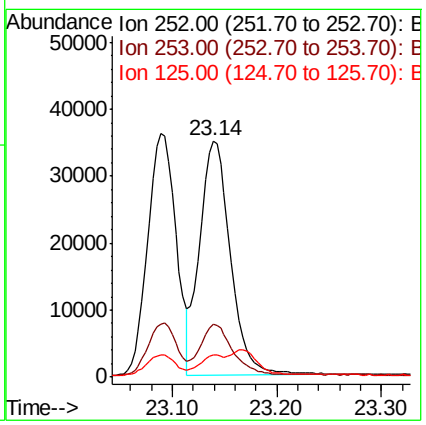


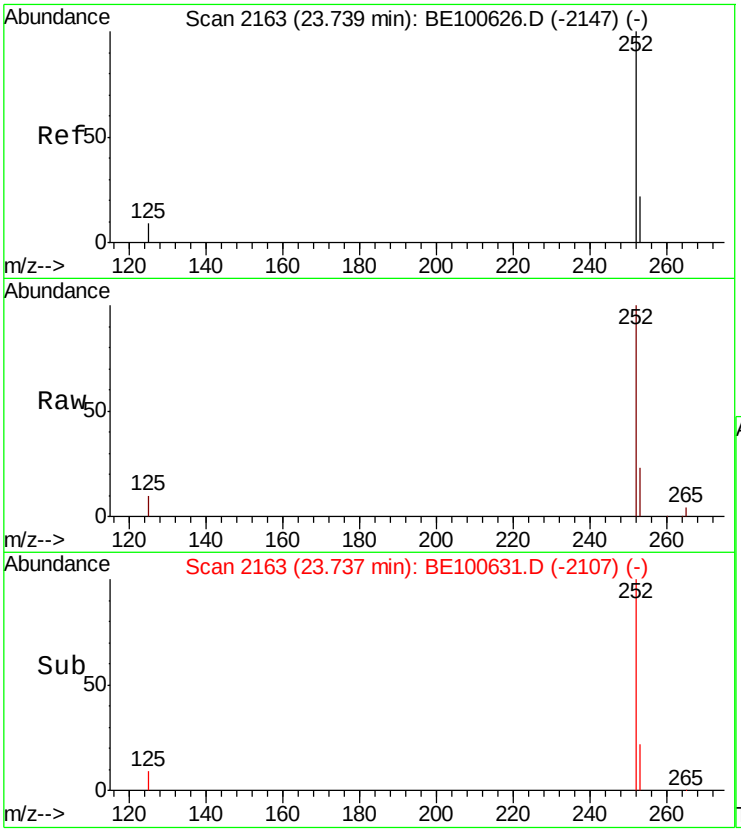


#36
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:252 Resp: 71323

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.2	7.6	11.4



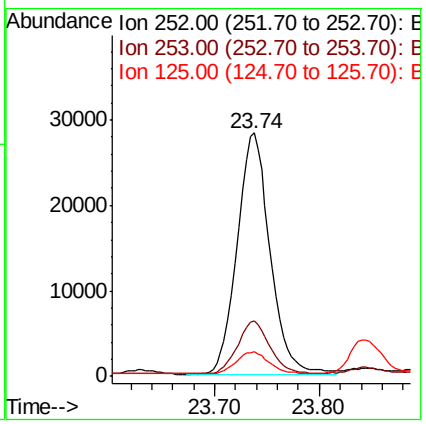


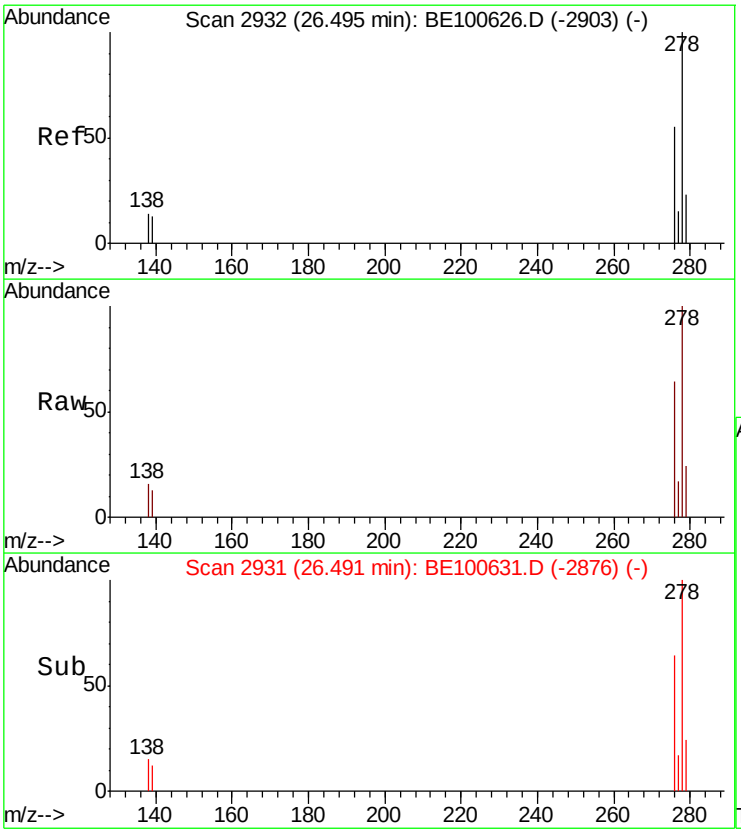
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.74 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:252 Resp: 61523

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	10.1	8.1	12.1

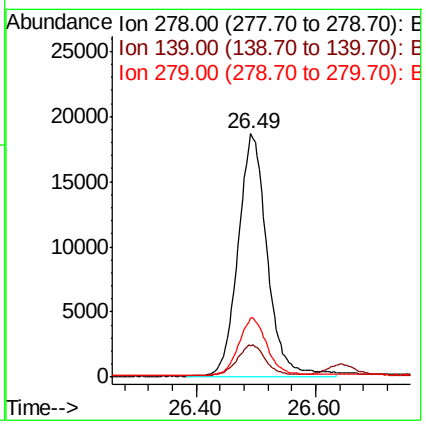


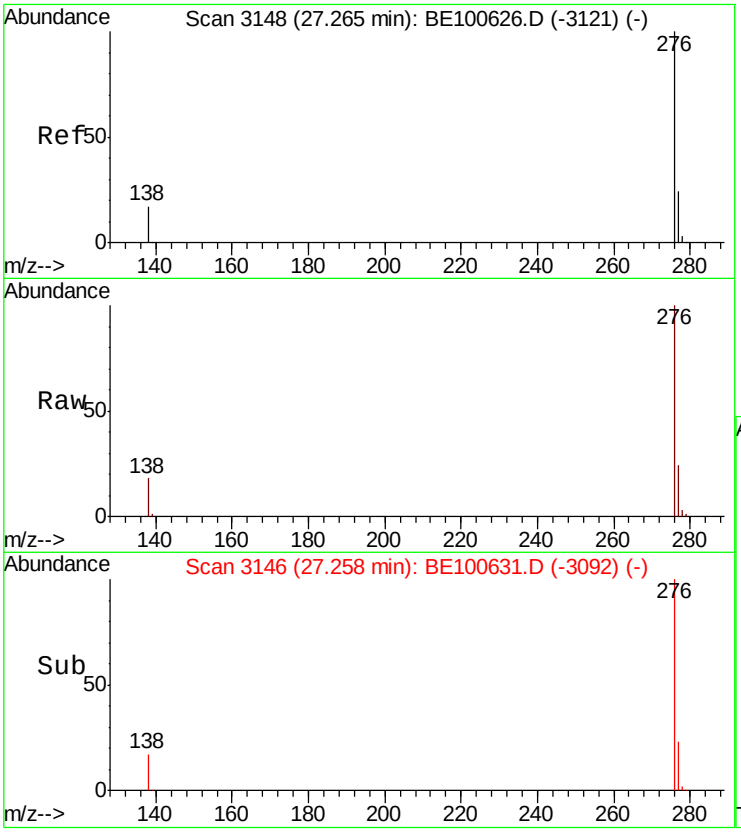


#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 26.49 min Scan# 2931
Delta R.T. -0.00 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Tgt Ion:278 Resp: 62741

Ion	Ratio	Lower	Upper
278	100		
139	12.9	11.2	16.8
279	24.3	19.0	28.6





#39
Benzo(g,h,i)perylene
Concen: 0.370 ng
RT: 27.26 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BE100631.D
Acq: 10 Oct 2019 15:11

Instrument :
BNA_E
ClientSampleId :
ICVBE101019

Tgt Ion:276 Resp: 64732

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	17.7	14.5	21.7