Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100819\
Data File : BE100622.D
Acq On : 8 Oct 2019 23:21
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Oct 09 01:47:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:42:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3696	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	17659	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	10529	0.40	ng		0.00
19) Phenanthrene-d10	17.18	188	24176	0.40	ng		0.00
27) Chrysene-d12	21.34	240	29235	0.40	ng		0.01
34) Perylene-d12	23.78	264	35250	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	4105	0.41	ng		0.00
5) Phenol-d6	6.99	99	5258	0.42	ng		0.00
8) Nitrobenzene-d5	8.96	82	4106	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	10452	0.40	ng		-0.01
14) 2,4,6-Tribromophenol	15.93	330	933	0.39	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	14792	0.39	ng		0.00
25) Fluoranthene-d10	19.20	212	111277	0.37	ng		0.00
29) Terphenyl-d14	19.79	244	27545	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	2242	0.360	ng	#	92
3) n-Nitrosodimethylamine	3.61	42	1151	0.393	ng	#	89
6) bis(2-Chloroethyl)ether	7.24	93	4635	0.399	ng		99
9) Naphthalene	10.65	128	71618	0.393	ng		100
10) Hexachlorobutadiene	10.95	225	2265	0.385	ng		98
12) 2-Methylnaphthalene	12.27	142	11871	0.397	ng		98
16) Acenaphthylene	14.17	152	16661	0.372	ng		99
17) Acenaphthene	14.51	154	11554	0.386	ng		100
18) Fluorene	15.49	166	14687	0.384	ng		98
20) 4-Bromophenyl-phenylether	16.37	248	4374	0.365	ng		97
21) Hexachlorobenzene	16.49	284	3831	0.380	ng		98
22) Pentachlorophenol	16.84	266	911	0.536	ng		97
23) Phenanthrene	17.22	178	27308	0.397	ng		100
24) Anthracene	17.31	178	21715	0.367	ng		99
26) Fluoranthene	19.23	202	32517	0.384	ng		100
28) Pyrene	19.59	202	33669	0.449	ng		100
30) Benzo(a)anthracene	21.32	228	31327	0.383	ng		99
31) Chrysene	21.37	228	34901	0.399	ng		96
32) Bis(2-ethylhexyl)phthalate	21.26	149	51185	0.328	ng		100
33) Indeno(1,2,3-cd)pyrene	26.37	276	40193	0.390	ng		97
35) Benzo(b)fluoranthene	23.04	252	32797	0.343	ng		100
36) Benzo(k)fluoranthene	23.08	252	39399	0.363	ng	#	94
37) Benzo(a)pyrene	23.67	252	31970	0.365	ng		99
38) Dibenzo(a,h)anthracene	26.40	278	33425	0.362	ng		99
39) Benzo(g,h,i)perylene	27.17	276	34397	0.368	ng		100

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

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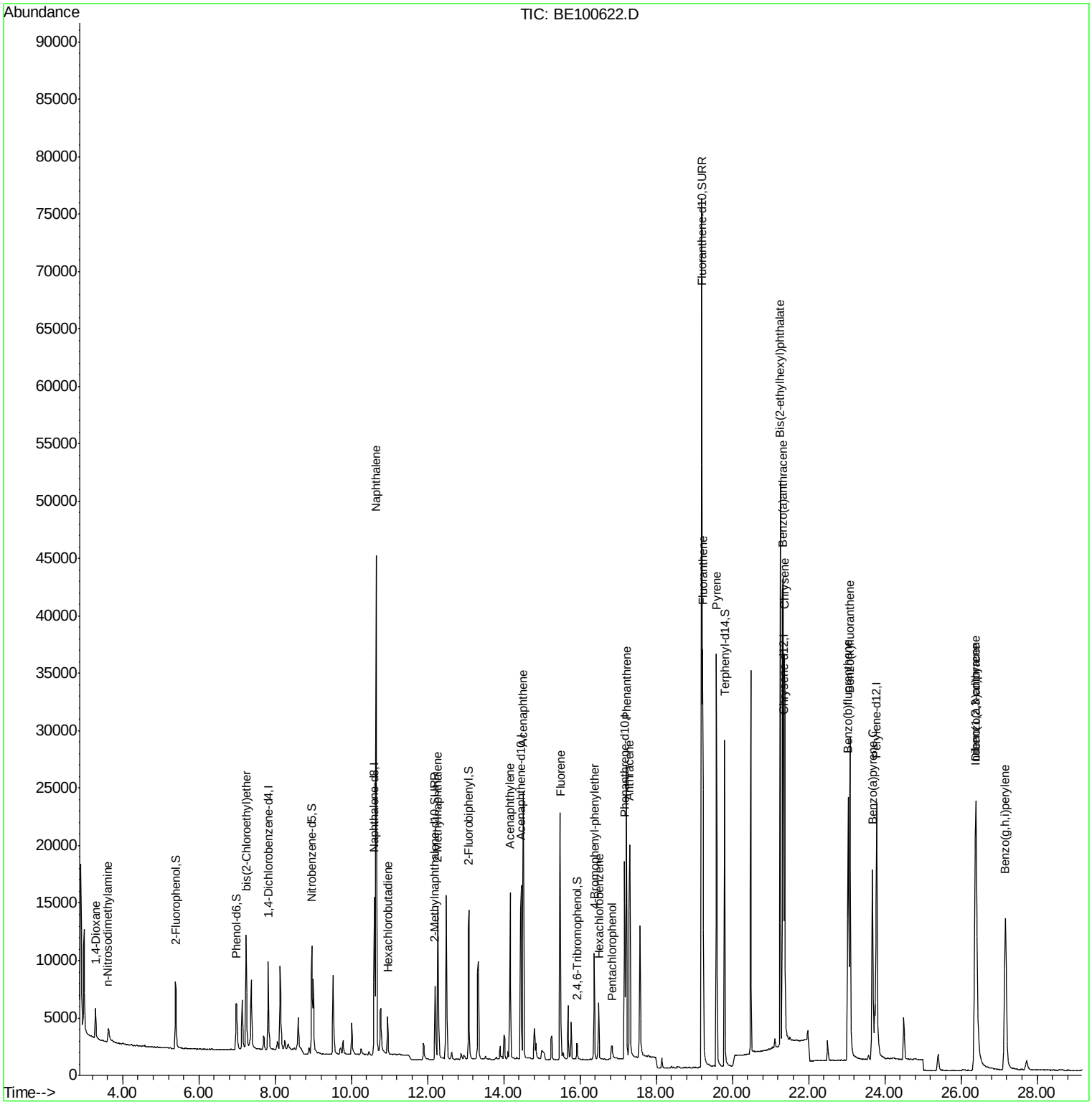
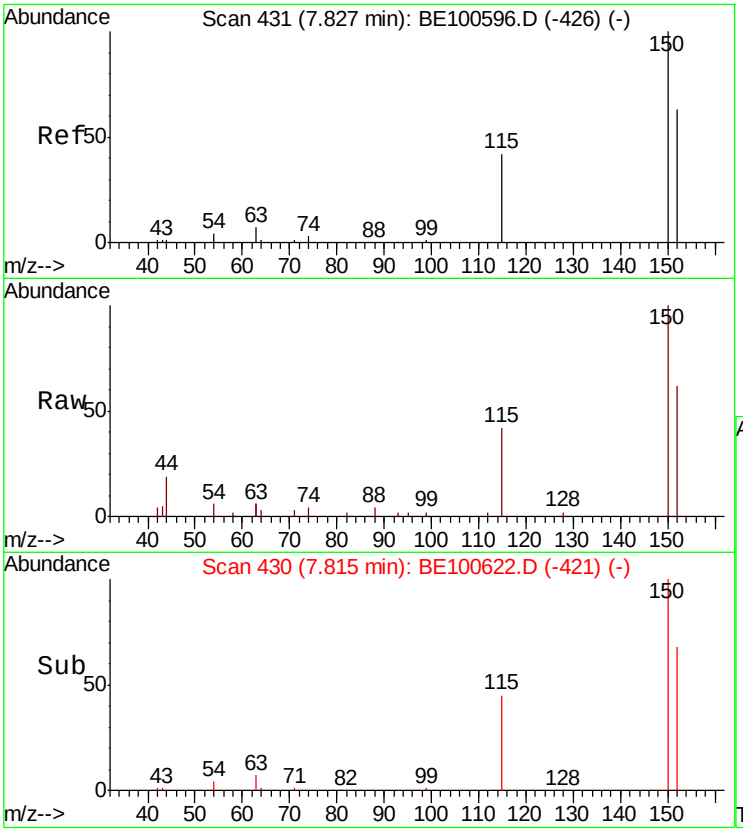
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 09 01:47:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:42:20 2019
Response via : Initial Calibration



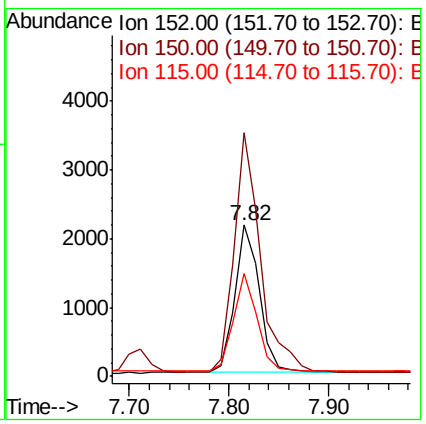


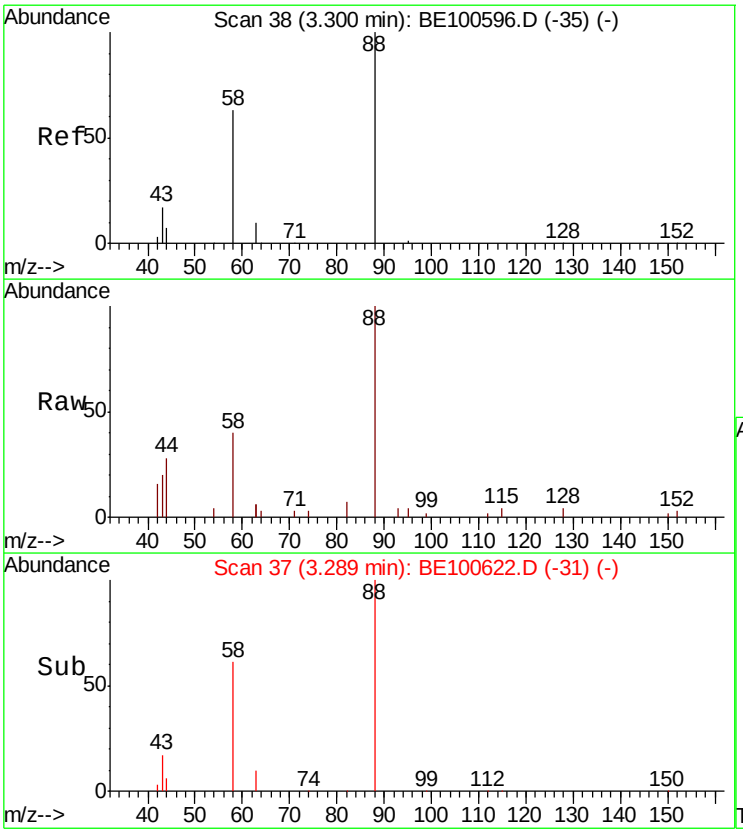
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3696

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.5	189.7
115	67.6	54.6	81.8

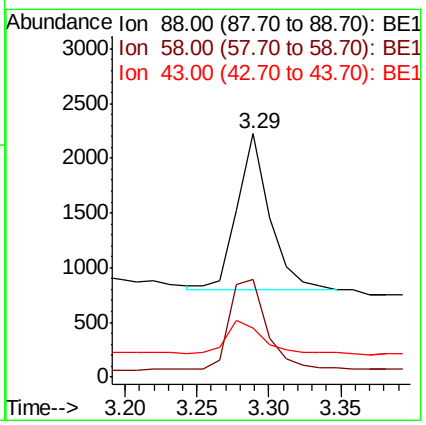


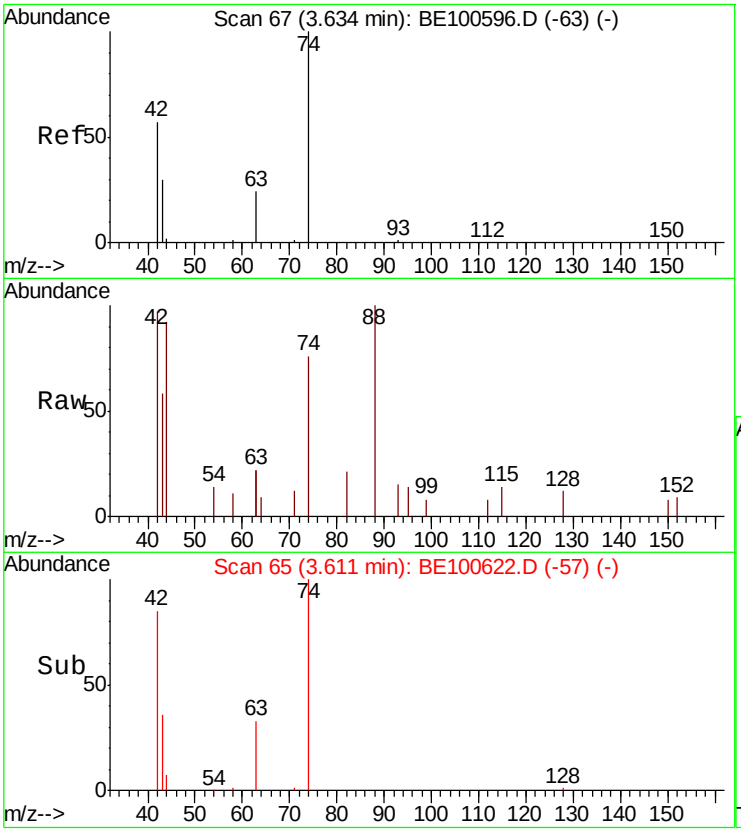


#2
1,4-Dioxane
Concen: 0.360 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion: 88 Resp: 2242

Ion	Ratio	Lower	Upper
88	100		
58	65.7	48.1	72.1
43	23.3	14.4	21.6#



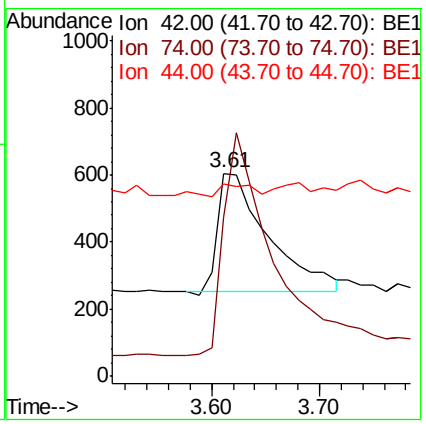


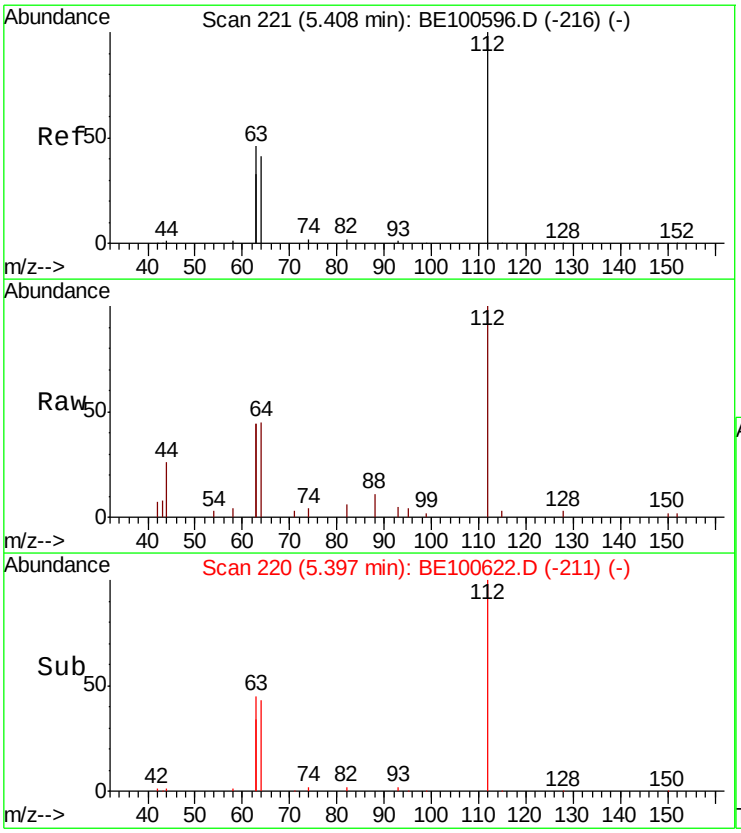
#3
n-Nitrosodimethylamine
Concen: 0.393 ng
RT: 3.61 min Scan# 65
Delta R.T. -0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1151

Ion	Ratio	Lower	Upper
42	100		
74	185.6	136.2	204.2
44	6.9	7.4	11.0#

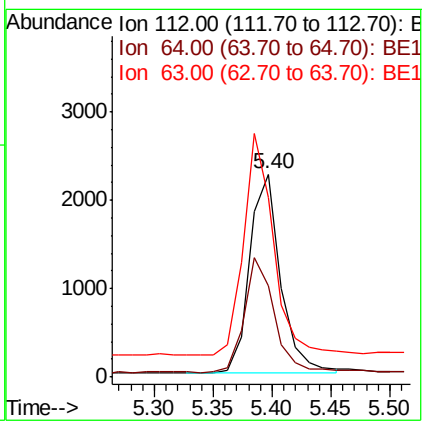


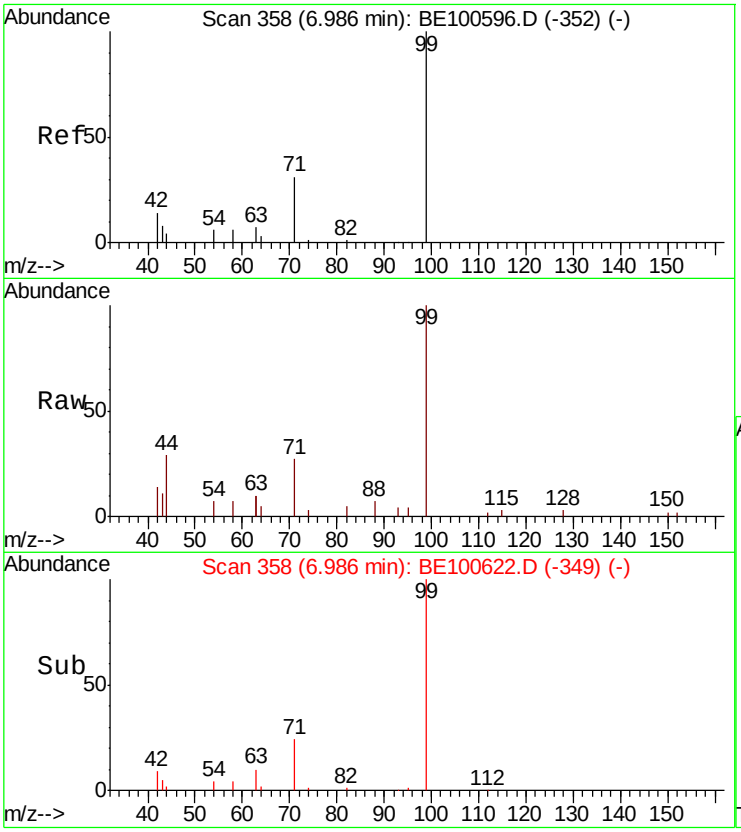


#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.40 min Scan# 220
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:112 Resp: 4105

Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.7	65.5
63	107.5	84.5	126.7



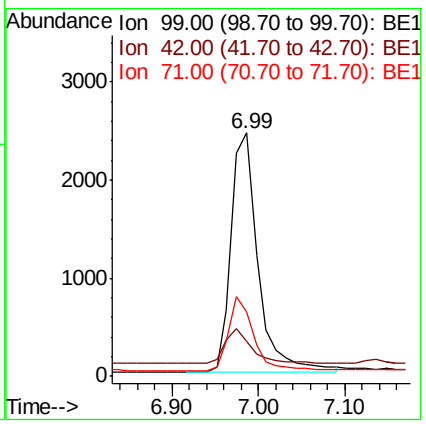


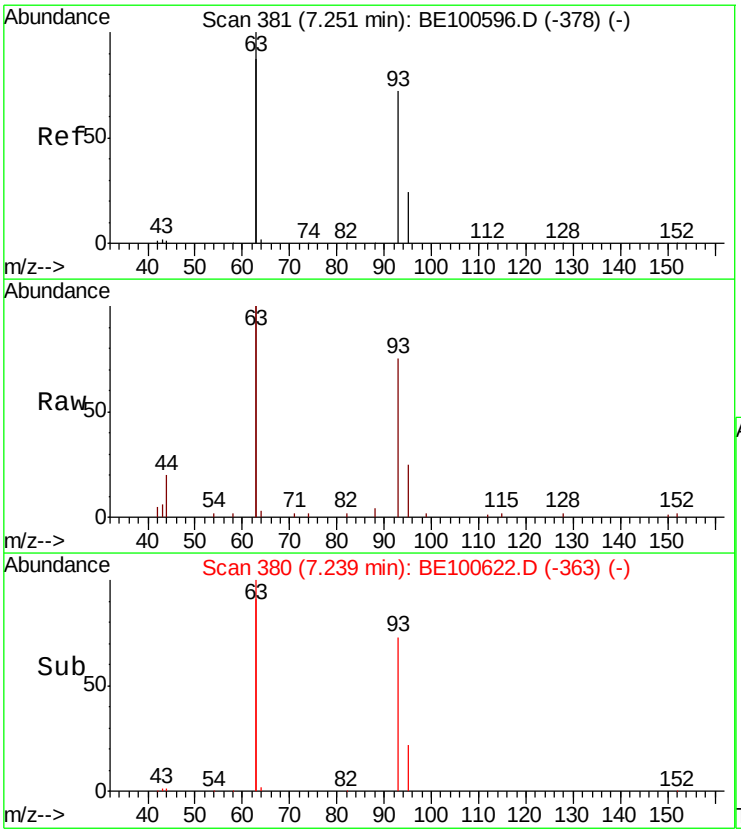
#5
Phenol-d6
Concen: 0.419 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5258

Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.7	17.5
71	29.2	23.0	34.4

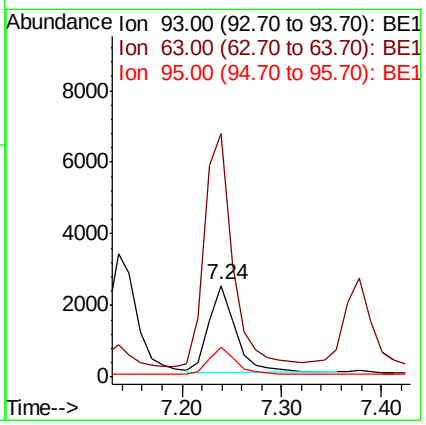


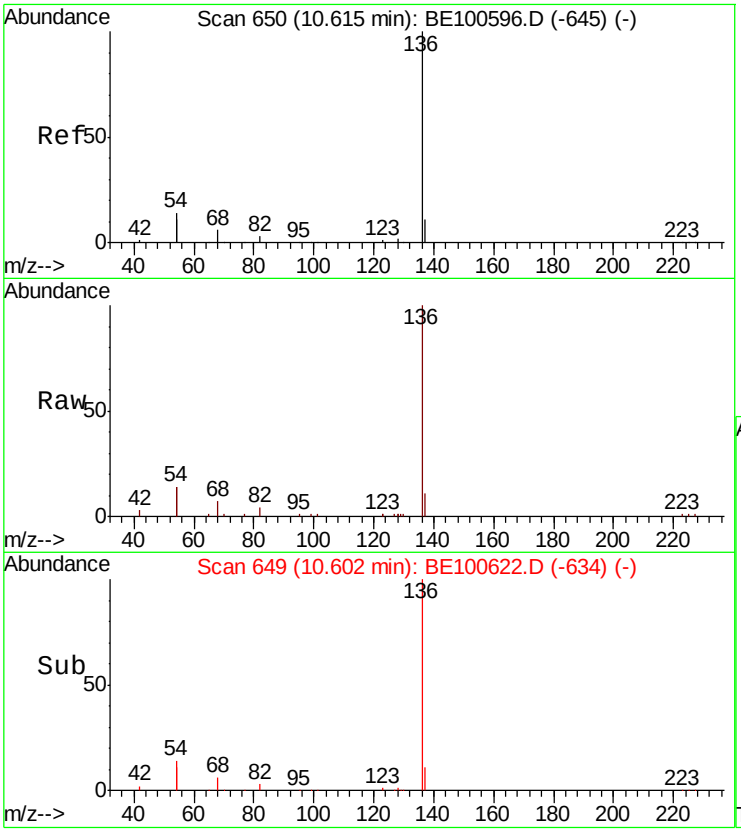


#6
bis(2-Chloroethyl)ether
Concen: 0.399 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion: 93 Resp: 4635

Ion	Ratio	Lower	Upper
93	100		
63	277.3	221.0	331.4
95	31.0	25.4	38.0



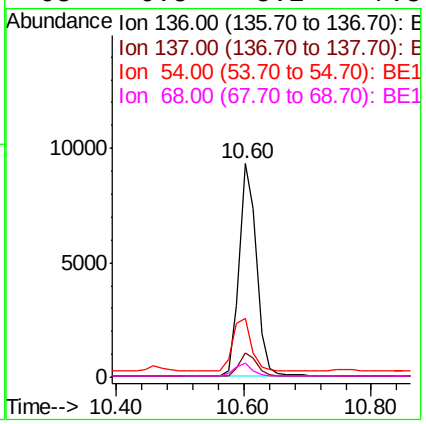


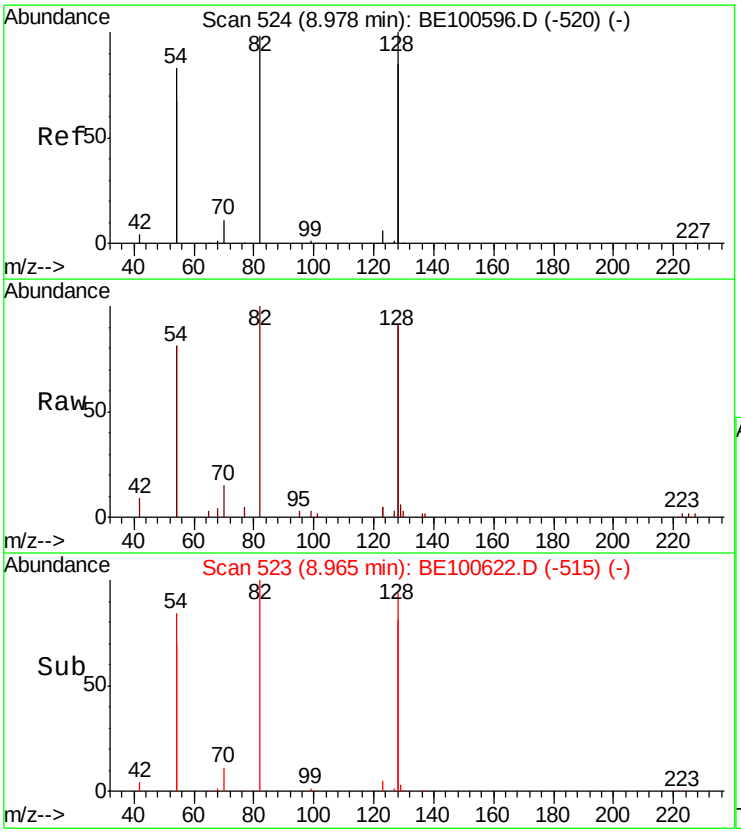
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 17659

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	27.9	22.4	33.6
68	6.5	5.2	7.8

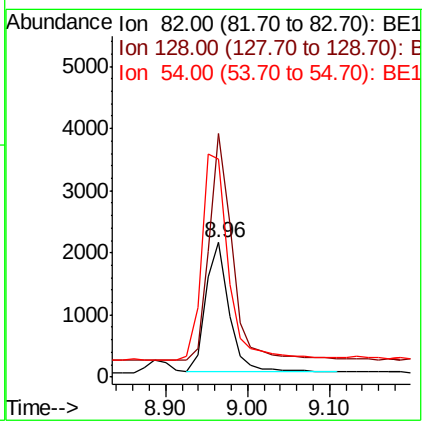


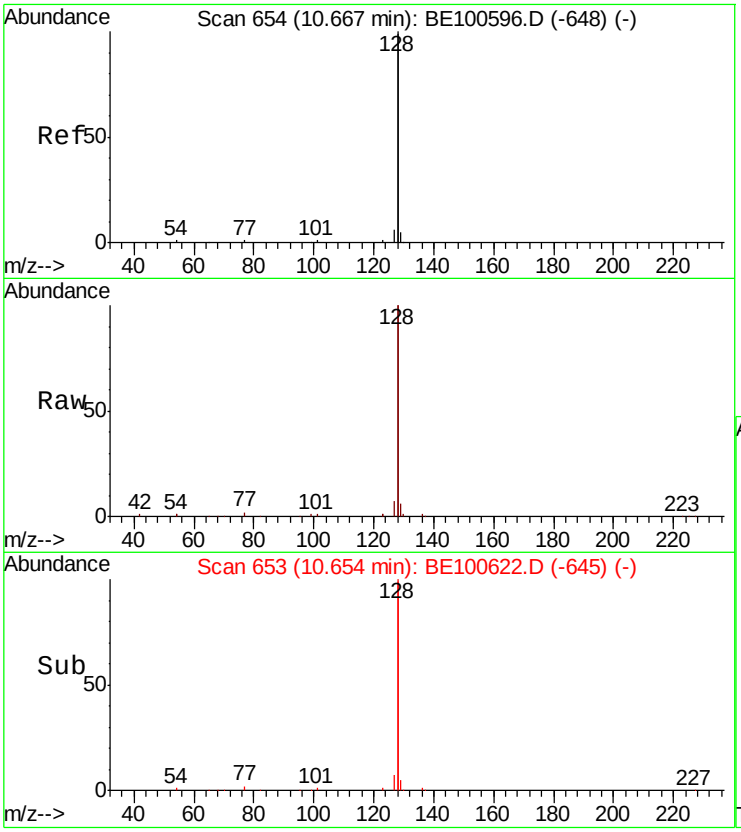


#8
Nitrobenzene-d5
Concen: 0.372 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion: 82 Resp: 4106

Ion	Ratio	Lower	Upper
82	100		
128	181.5	154.7	232.1
54	162.1	128.5	192.7



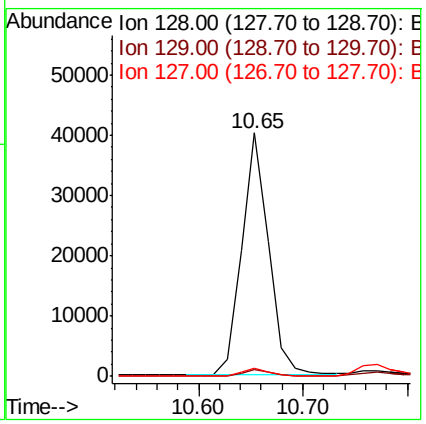


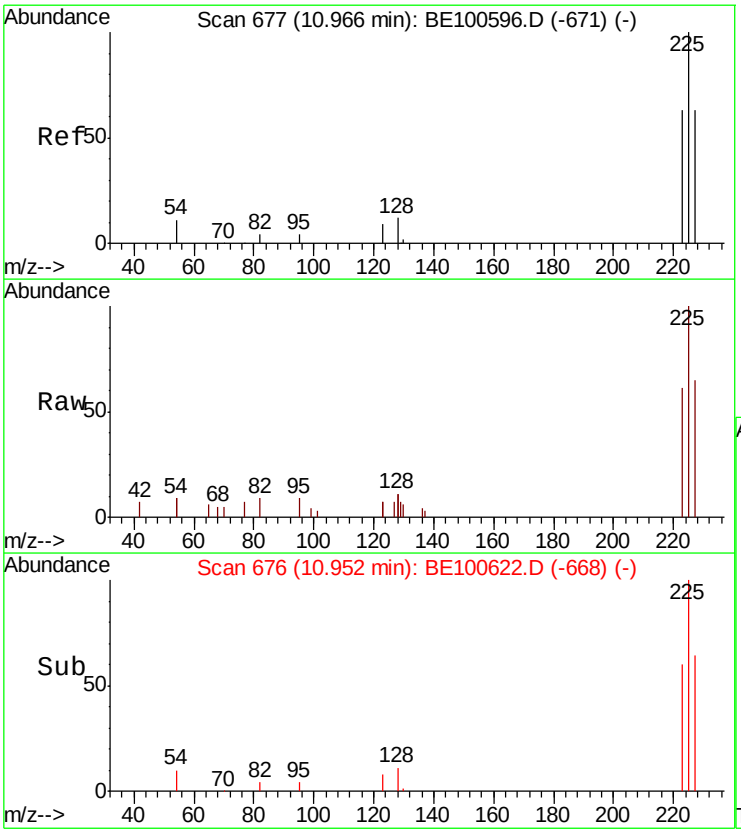
#9
Naphthalene
Concen: 0.393 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 71618

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.4	2.6	4.0

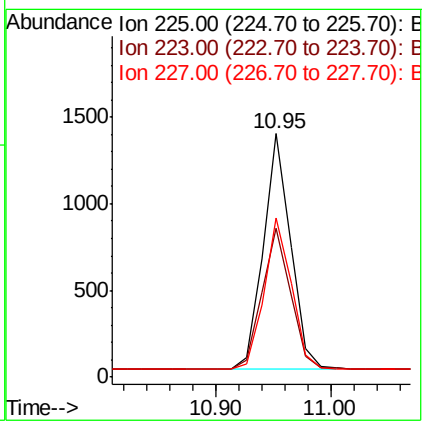


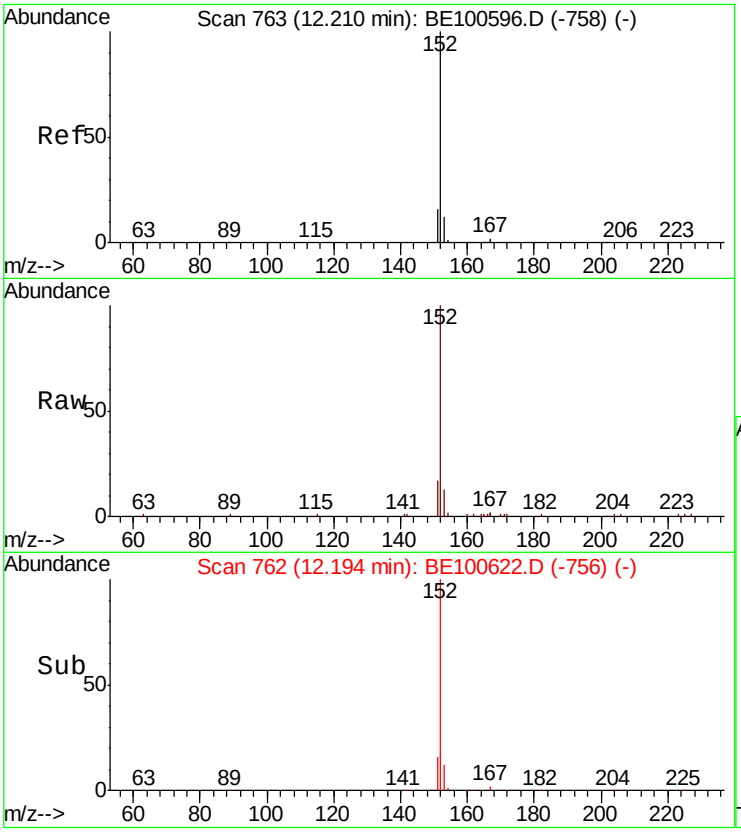


#10
Hexachlorobutadiene
Concen: 0.385 ng
RT: 10.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:225 Resp: 2265

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	64.7	50.1	75.1



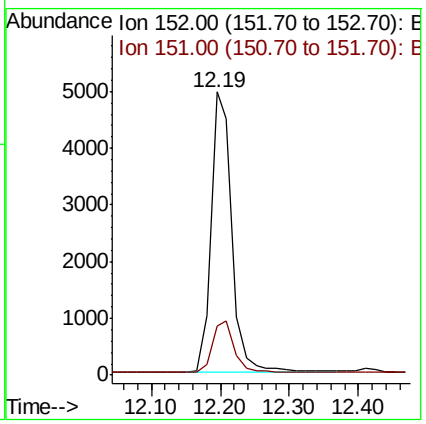


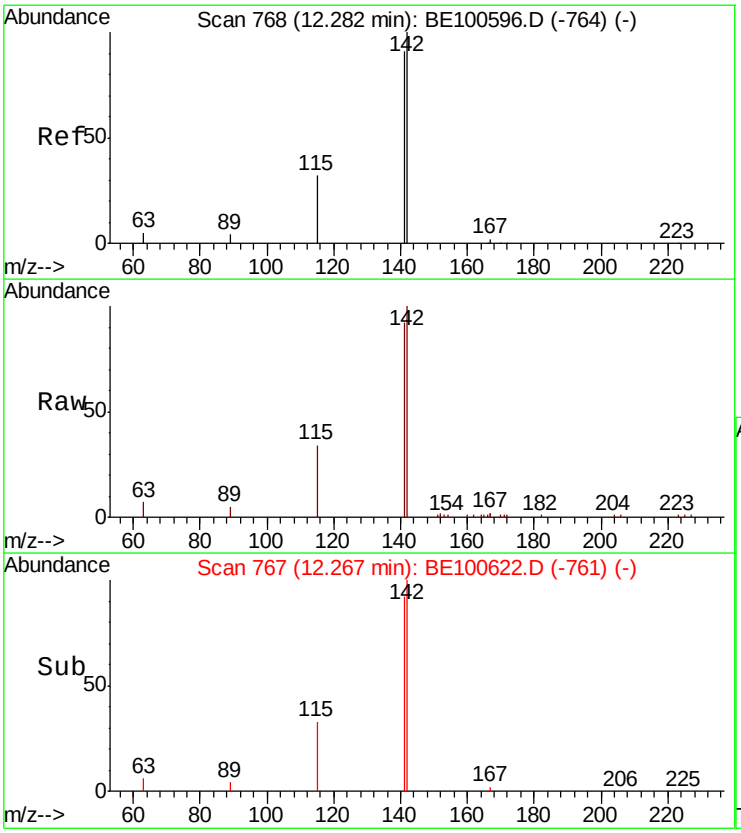
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10452

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8

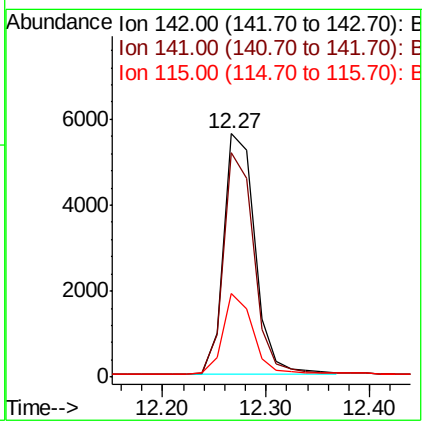


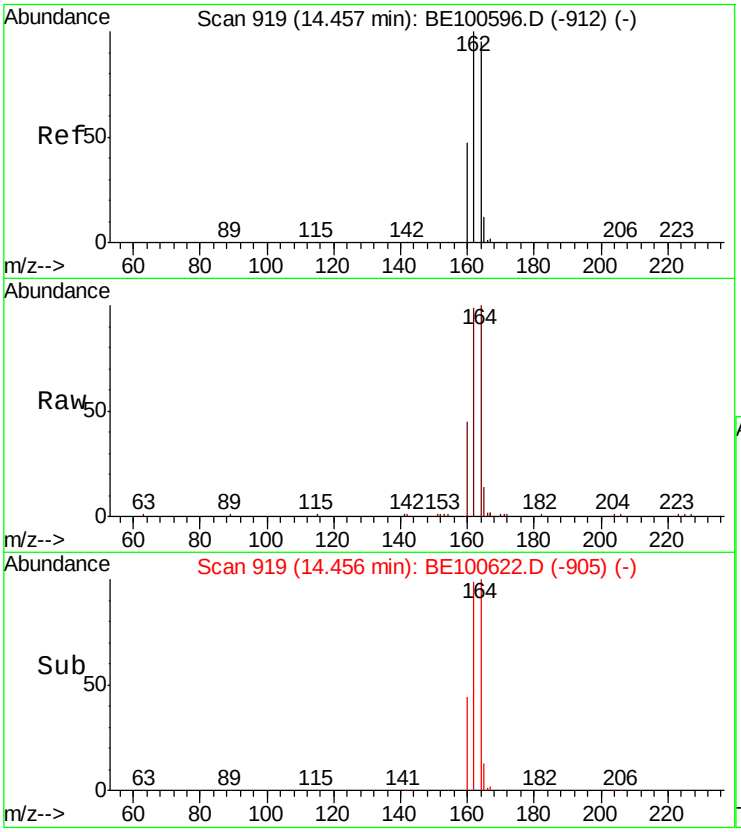


#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:142 Resp: 11871

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.6	108.8
115	34.4	26.6	40.0



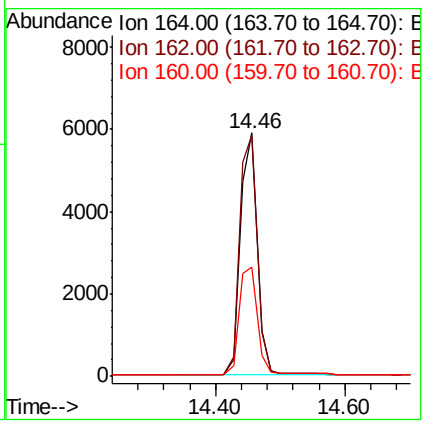


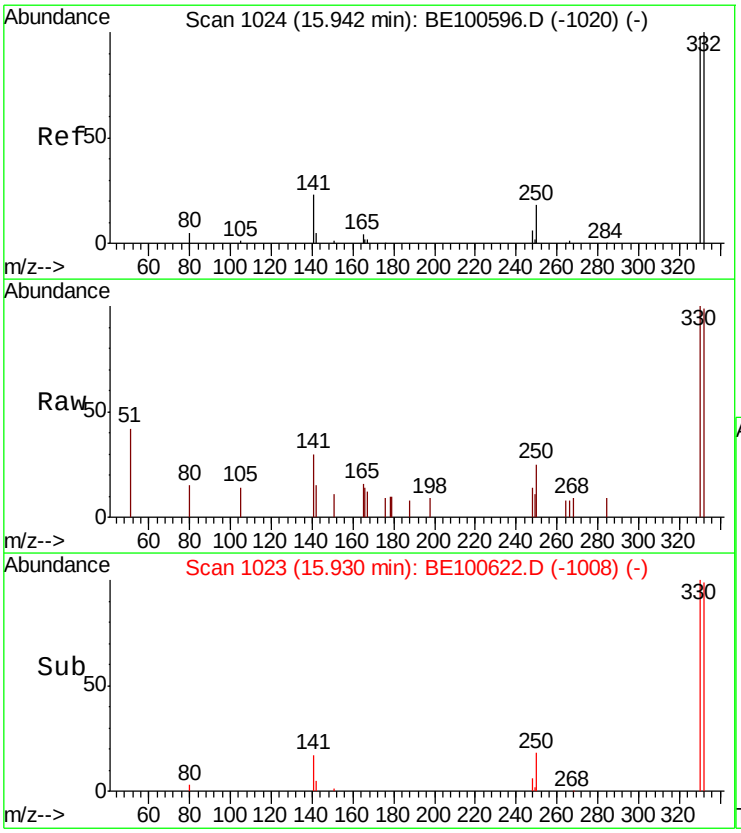
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 10529

Ion	Ratio	Lower	Upper
164	100		
162	99.2	84.2	126.4
160	44.9	40.2	60.4

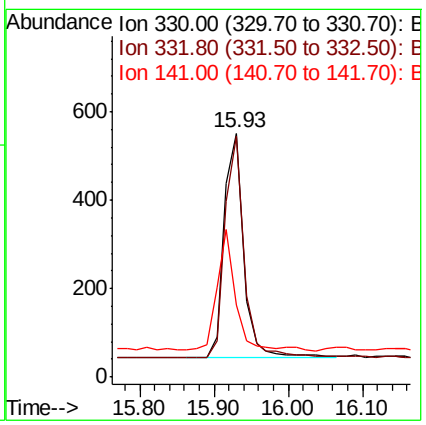


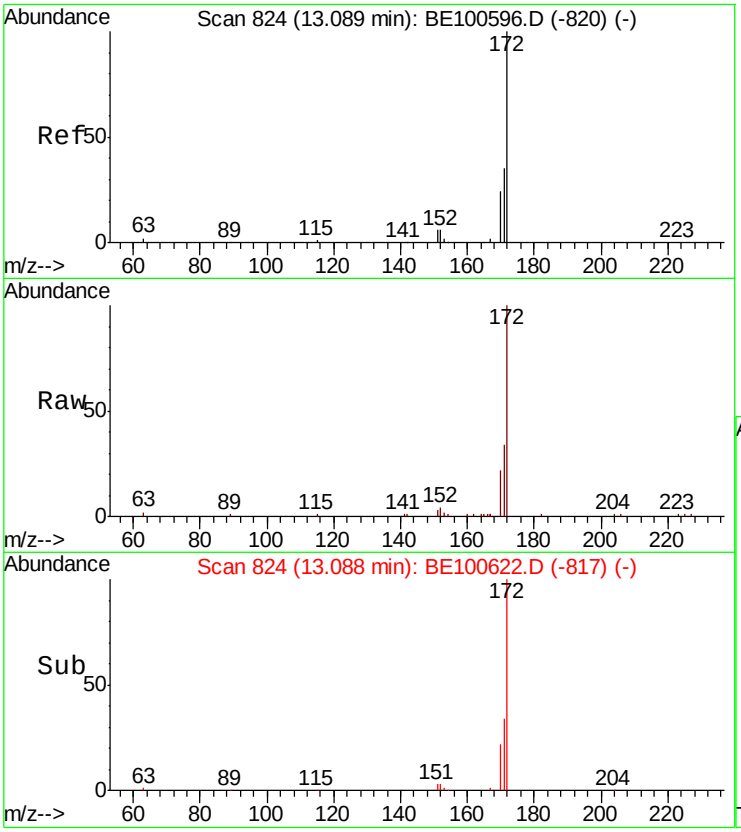


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.93 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:330 Resp: 933

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.5	117.7
141	49.1	39.4	59.0



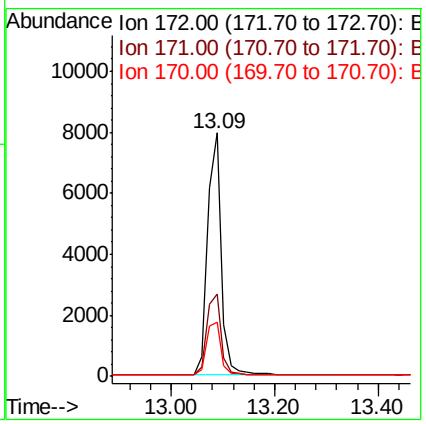


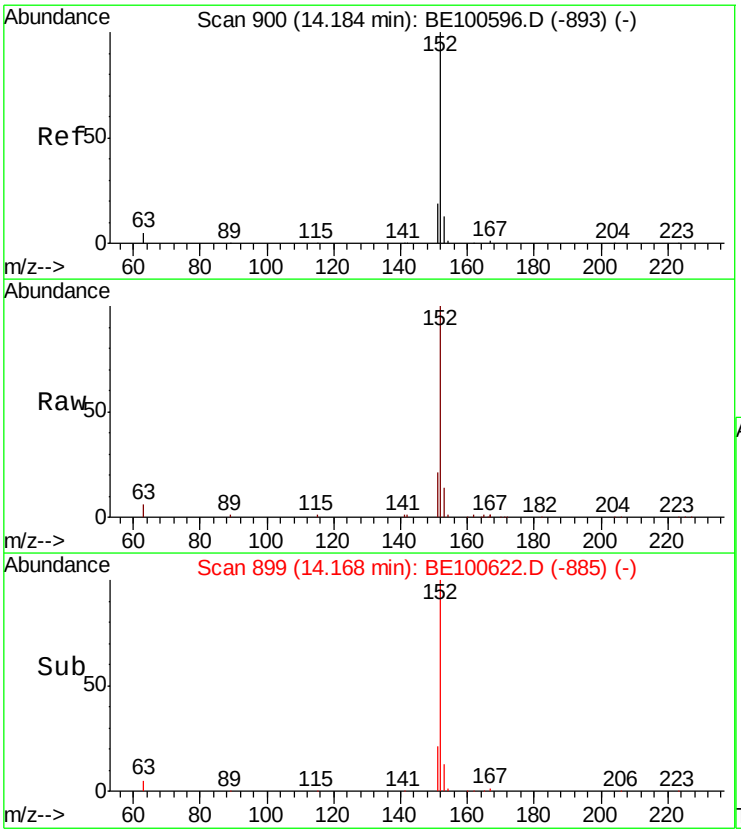
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 14792

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.7	43.1
170	22.4	19.8	29.8

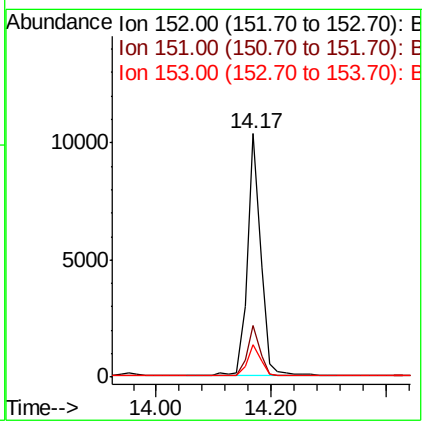


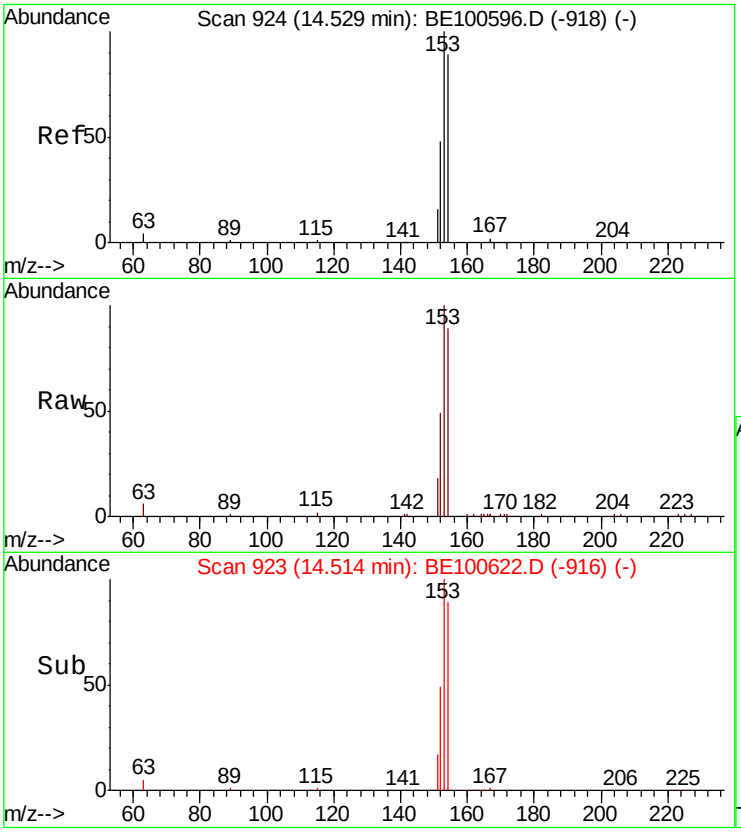


#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:152 Resp: 16661

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	13.1	10.4	15.6



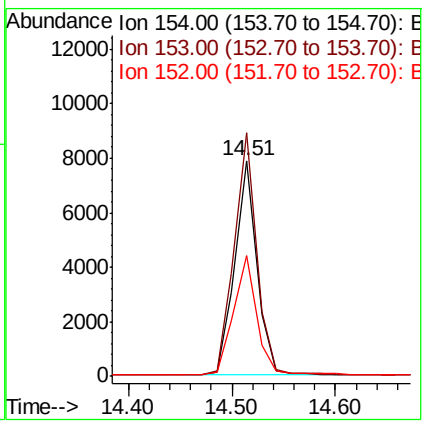


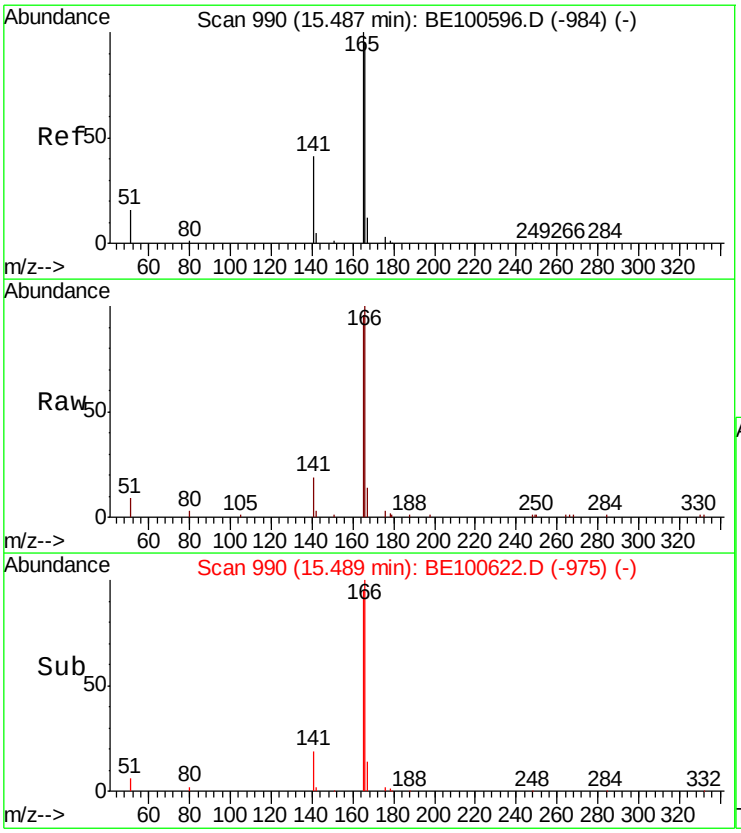
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 11554

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.3	138.5
152	57.7	46.2	69.2

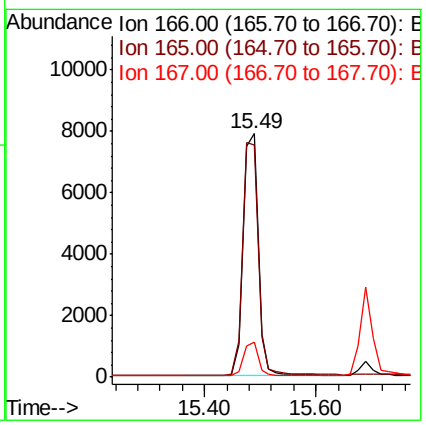


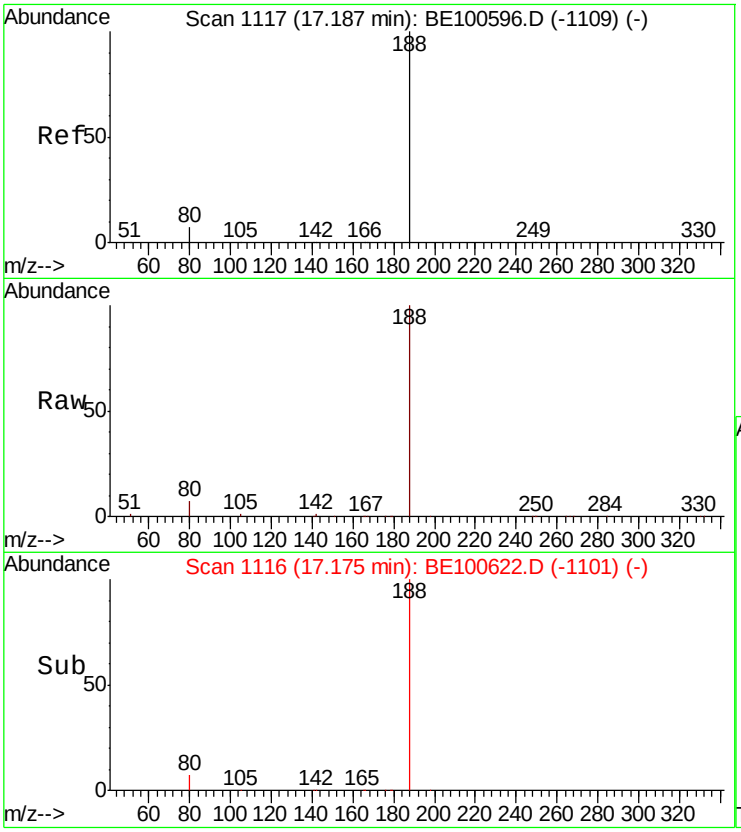


#18
Fluorene
Concen: 0.384 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:166 Resp: 14687

Ion	Ratio	Lower	Upper
166	100		
165	98.8	80.4	120.6
167	13.5	10.6	15.8



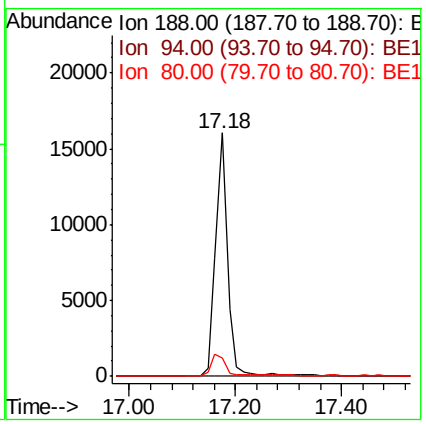


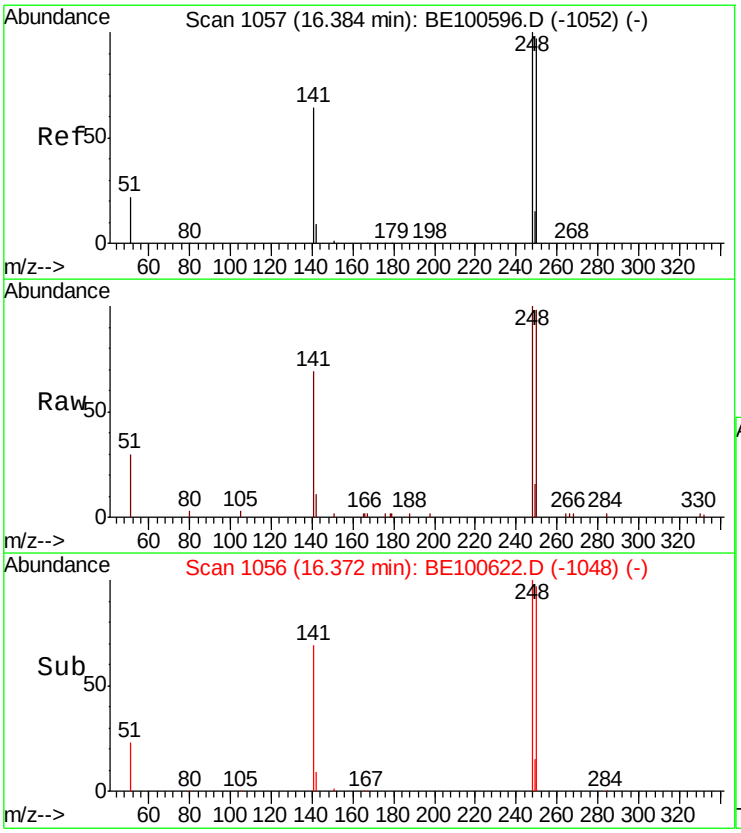
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.18 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 24176

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.2	9.2

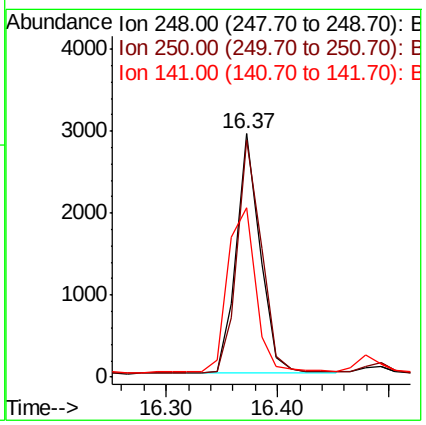


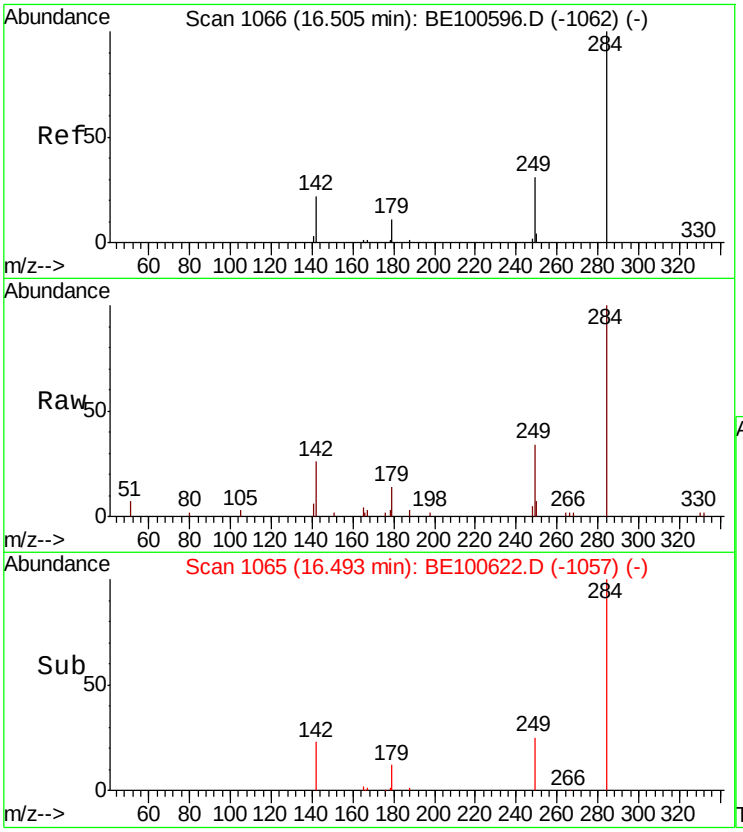


#20
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:248 Resp: 4374

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.4	116.0
141	69.5	52.1	78.1



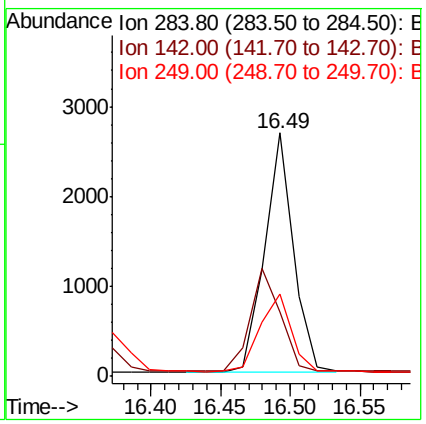


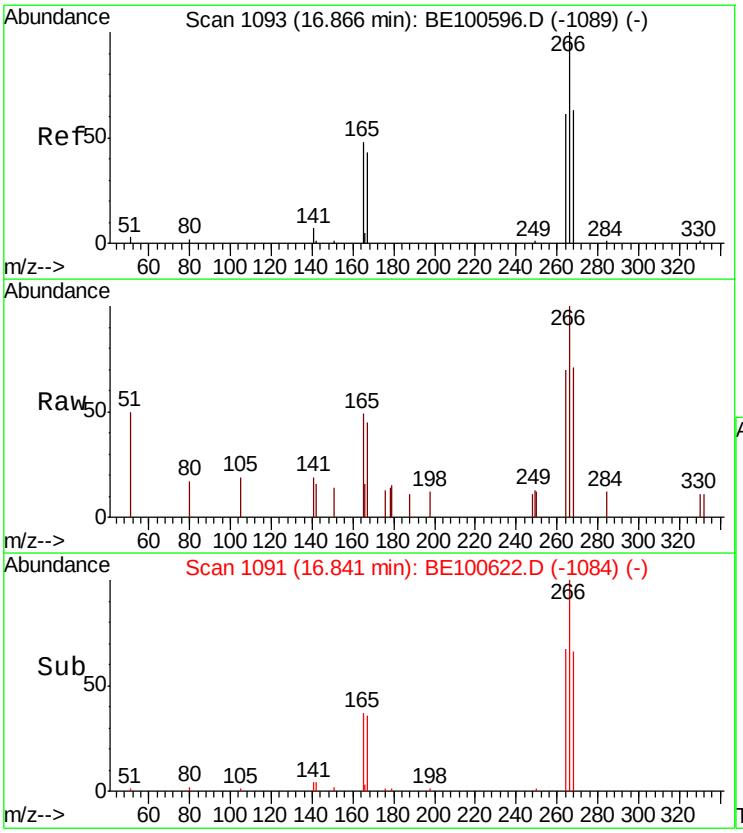
#21
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3831

Ion	Ratio	Lower	Upper
284	100		
142	45.2	35.1	52.7
249	34.7	27.2	40.8

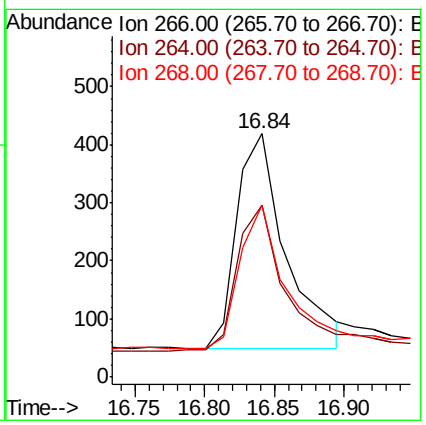


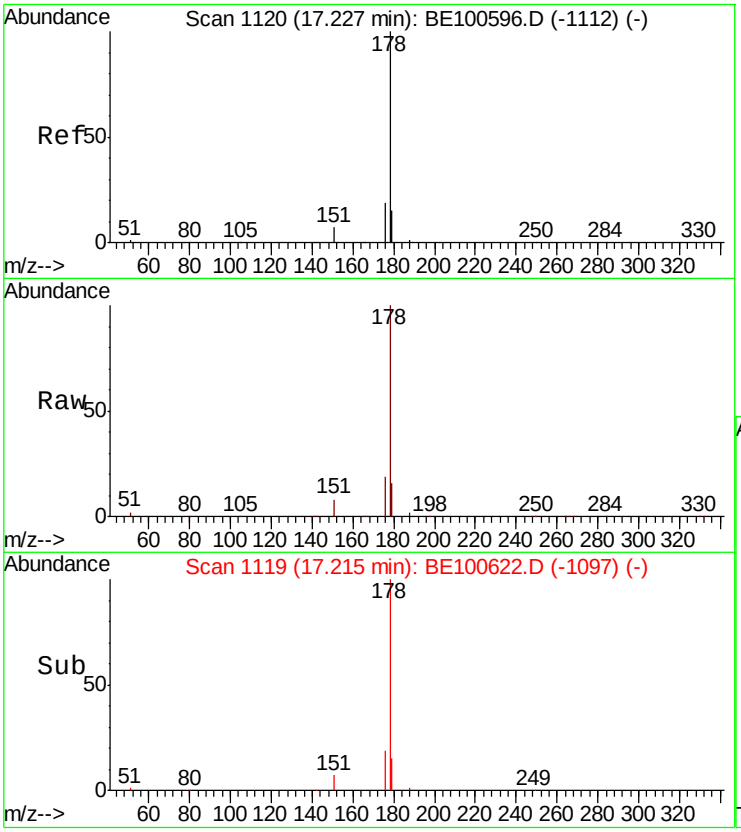


#22
Pentachlorophenol
Concen: 0.536 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:266 Resp: 911

Ion	Ratio	Lower	Upper
266	100		
264	70.4	56.3	84.5
268	70.6	60.3	90.5



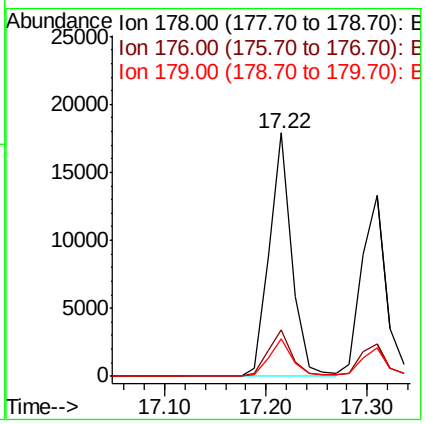


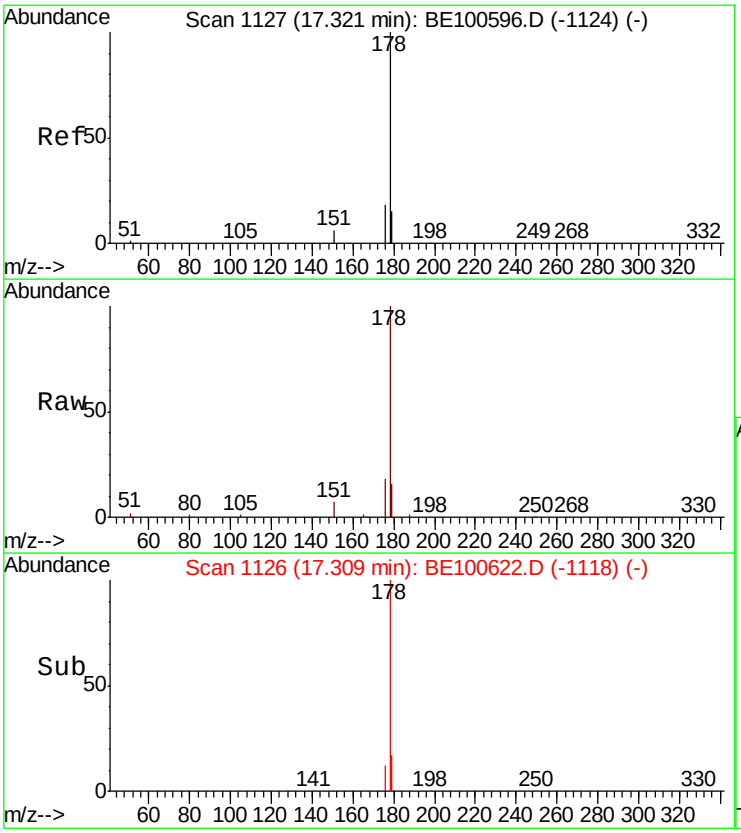
#23
Phenanthrene
Concen: 0.397 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 27308

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5

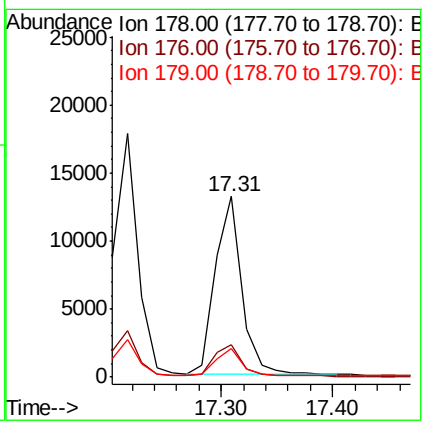


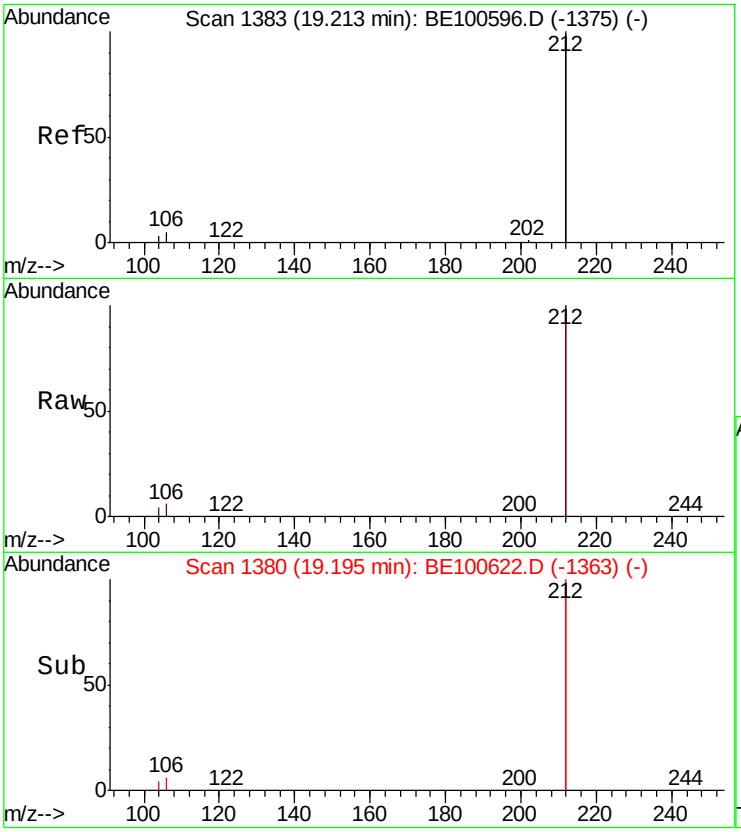


#24
Anthracene
Concen: 0.367 ng
RT: 17.31 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:178 Resp: 21715

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.6	12.2	18.4



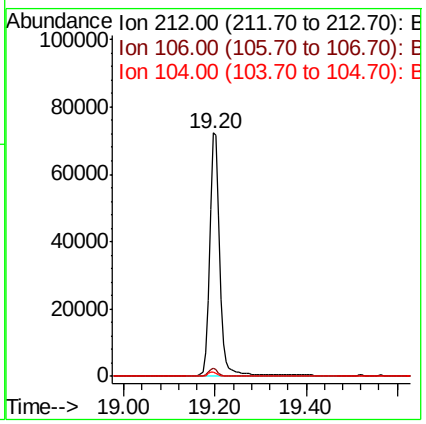


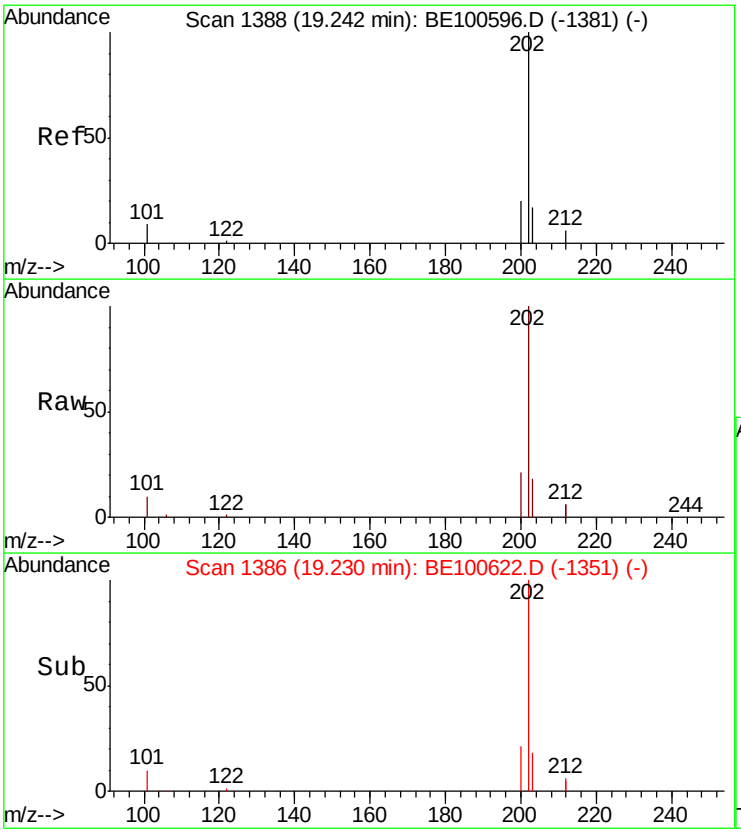
#25
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.20 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 111277

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.3	3.5
104	1.6	1.3	1.9

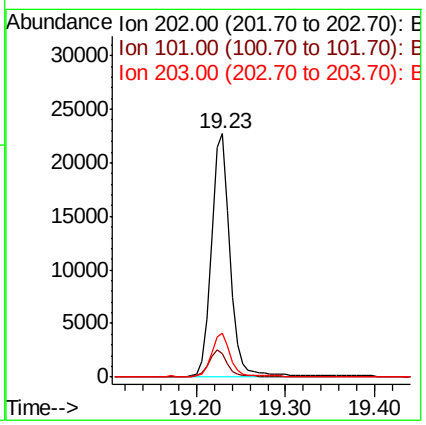


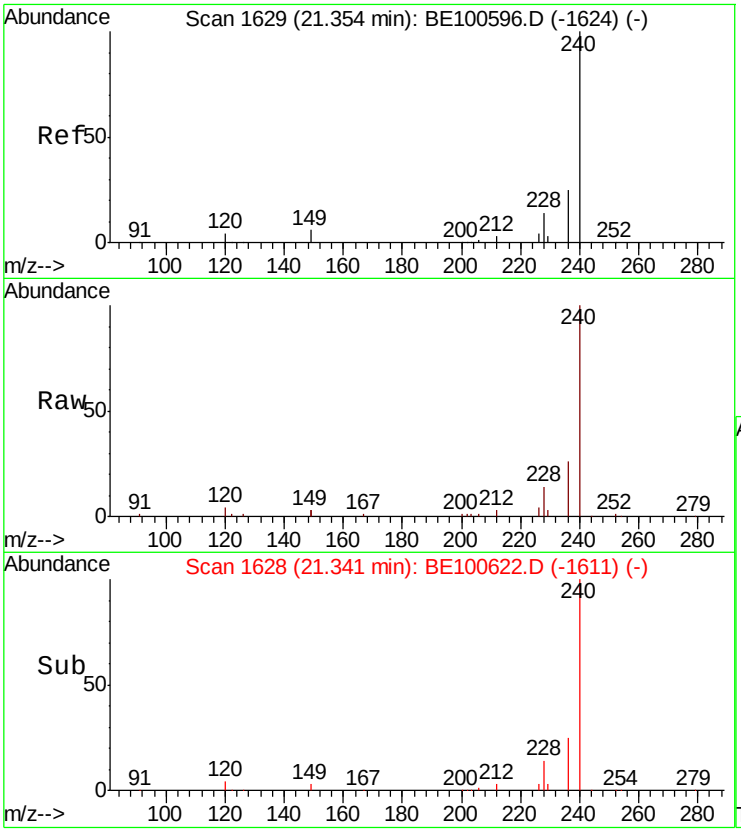


#26
Fluoranthene
Concen: 0.384 ng
RT: 19.23 min Scan# 1386
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:202 Resp: 32517

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.6	12.8
203	17.4	13.8	20.6



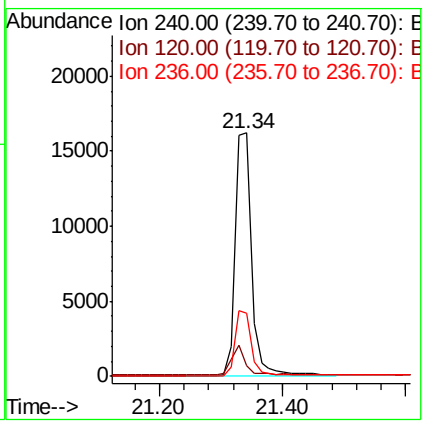


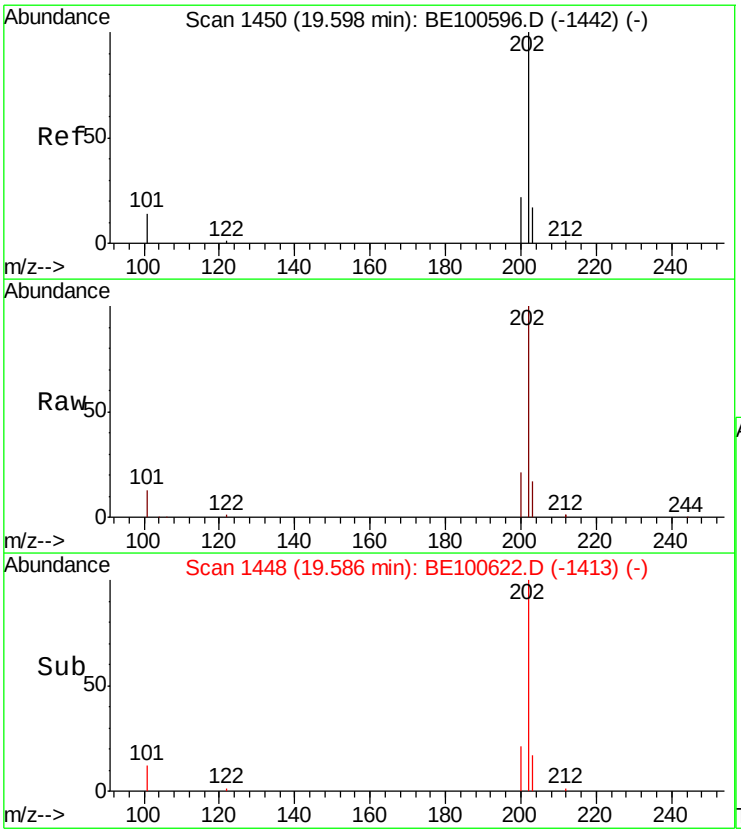
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 29235

Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.6	5.4
236	25.8	20.5	30.7

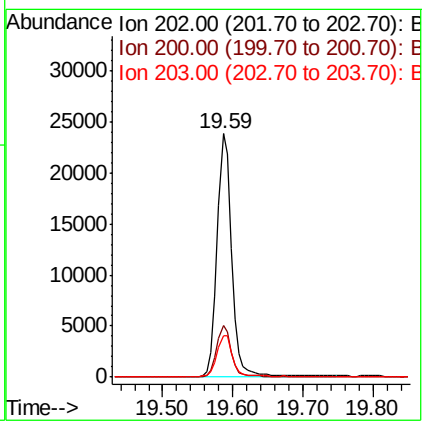


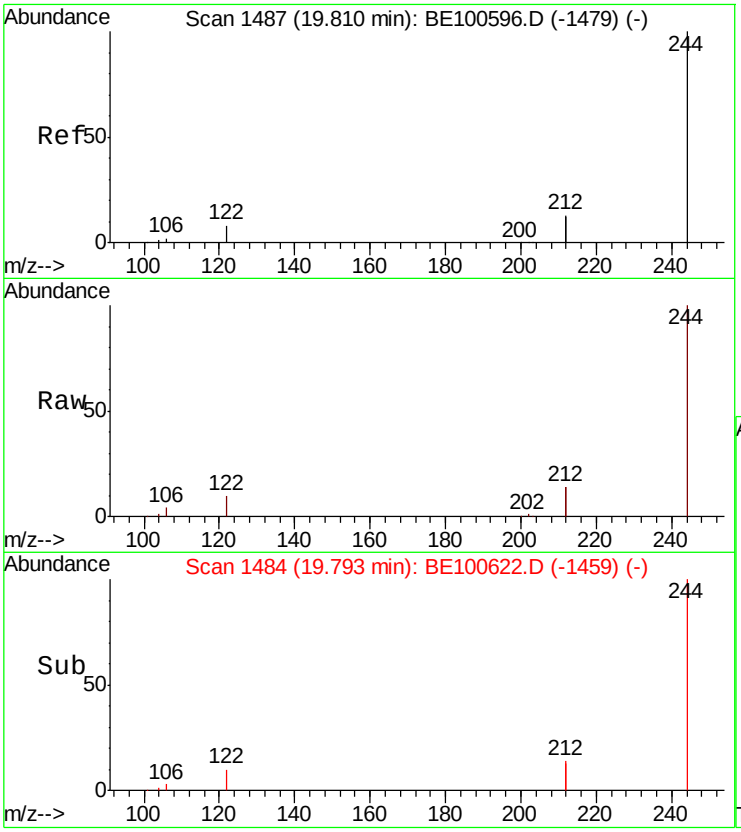


#28
Pyrene
Concen: 0.449 ng
RT: 19.59 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:202 Resp: 33669

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.5	14.1	21.1



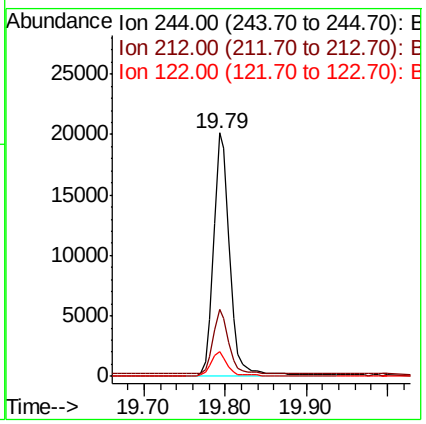


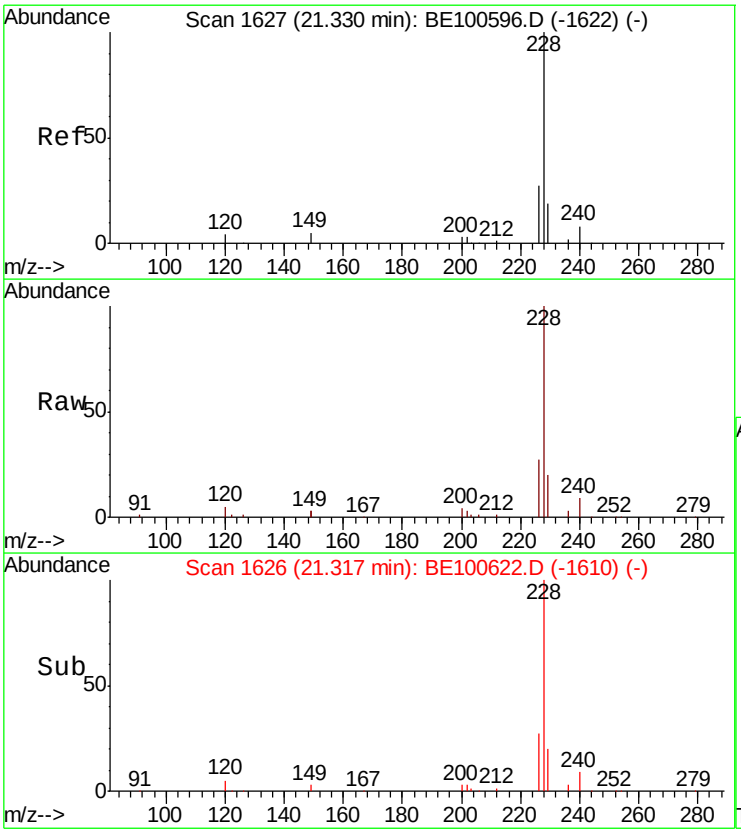
#29
Terphenyl-d14
Concen: 0.426 ng
RT: 19.79 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 27545

Ion	Ratio	Lower	Upper
244	100		
212	27.7	20.6	31.0
122	10.2	6.5	9.7#

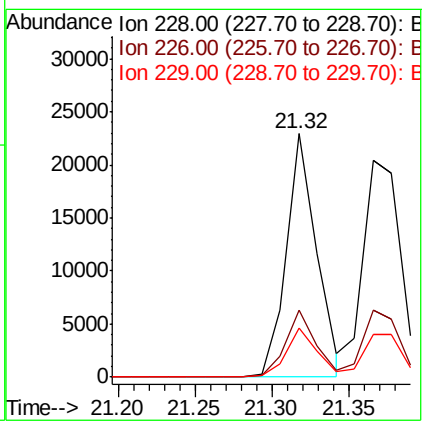


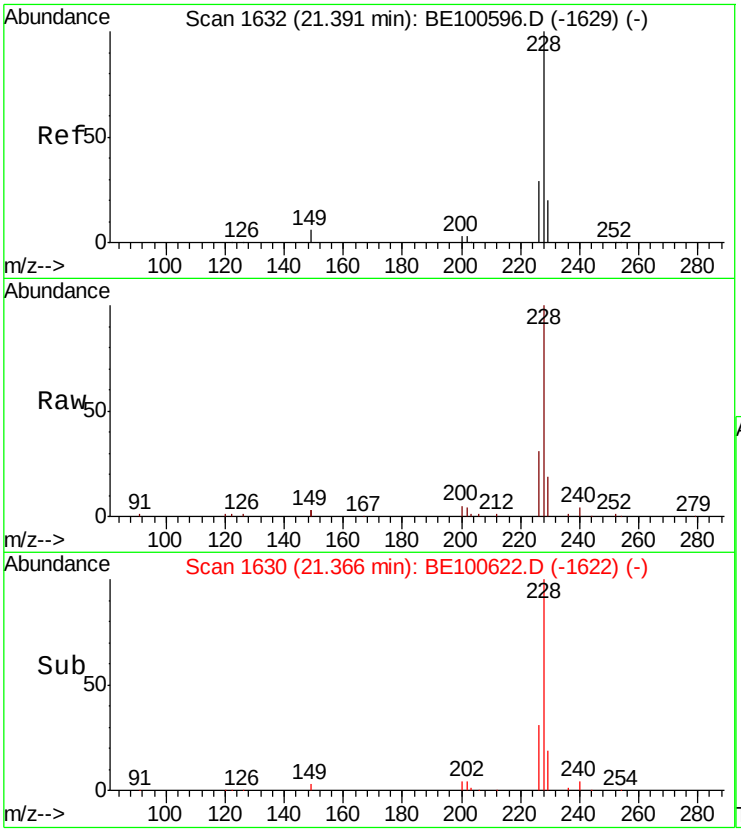


#30
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:228 Resp: 31327

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.2	15.6	23.4



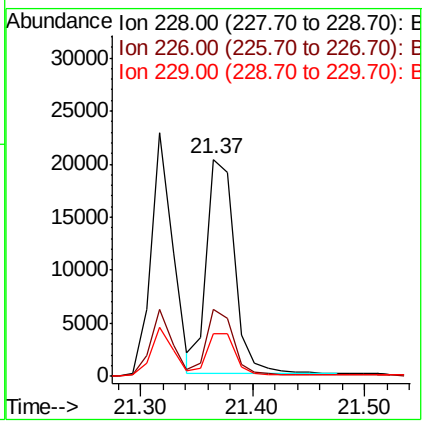


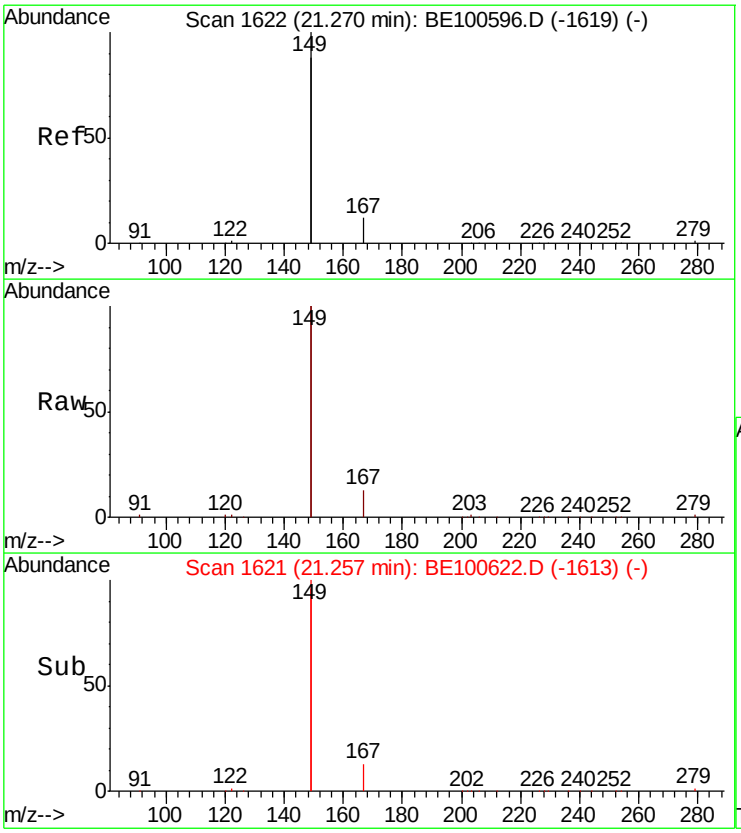
#31
Chrysene
Concen: 0.399 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 34901

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.7	34.1
229	19.4	16.3	24.5

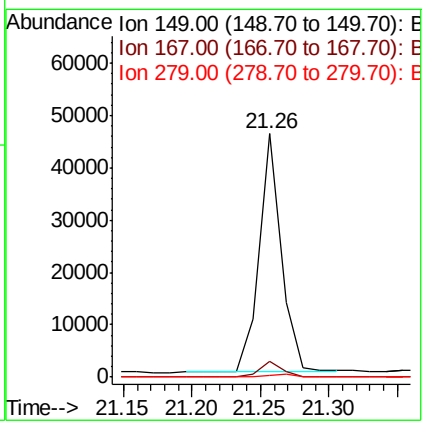


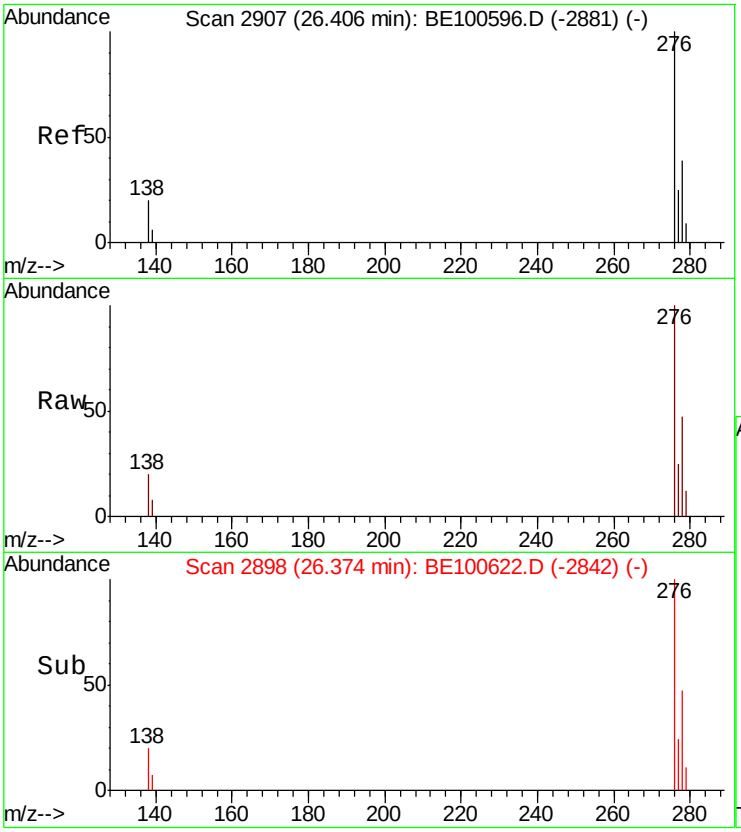


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.328 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:149 Resp: 51185

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.1	0.9	1.3



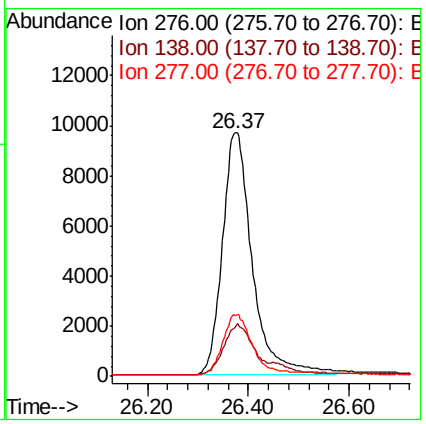


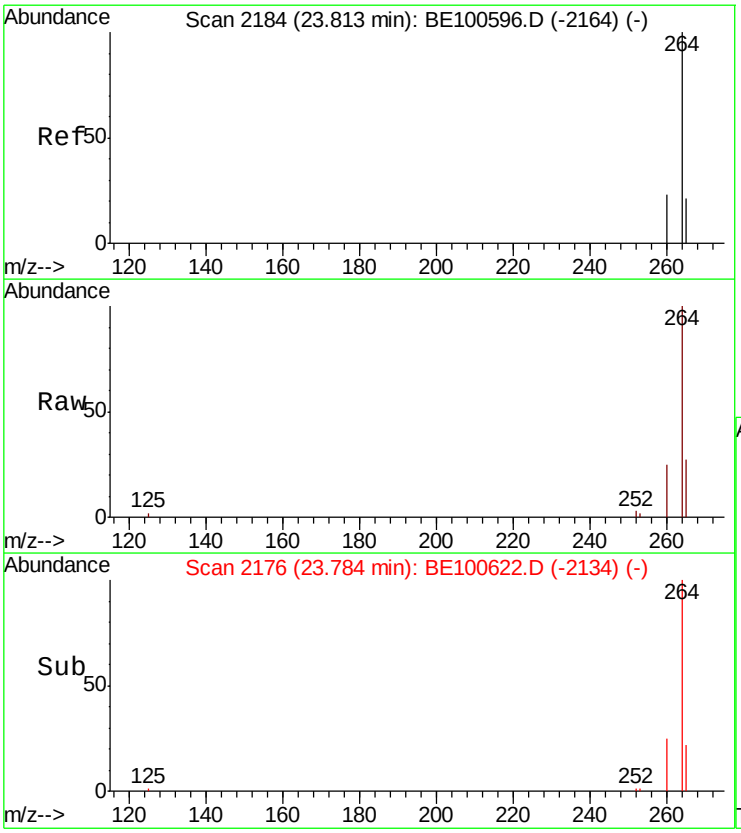
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng
RT: 26.37 min Scan# 2898
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 40193

Ion	Ratio	Lower	Upper
276	100		
138	20.3	17.8	26.8
277	24.3	19.8	29.8

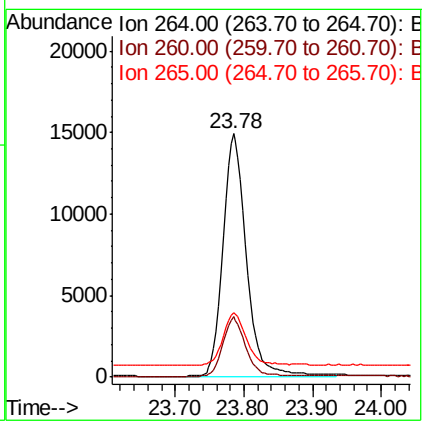


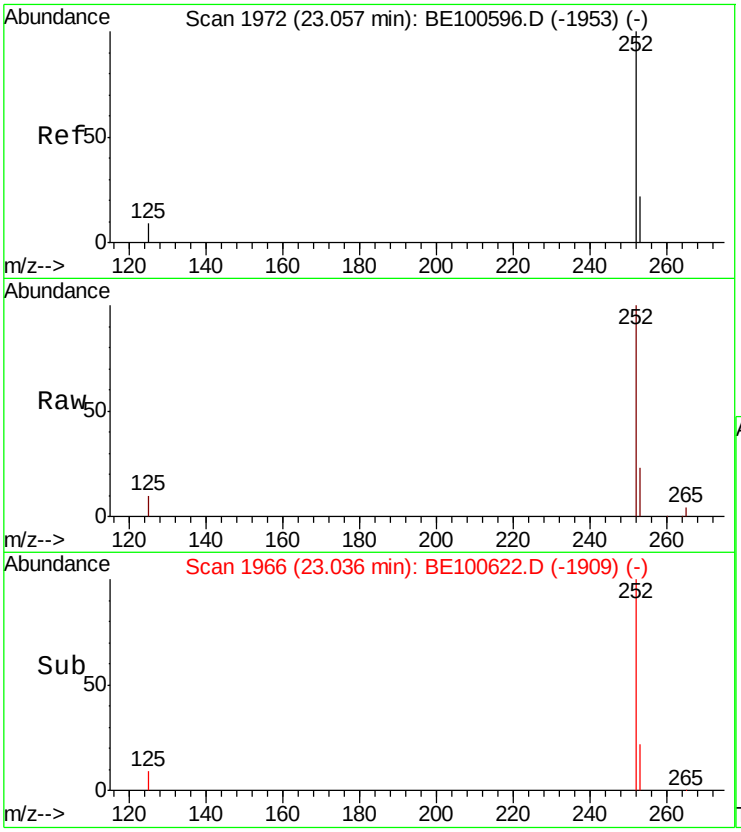


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:264 Resp: 35250

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.4
265	26.7	20.9	31.3



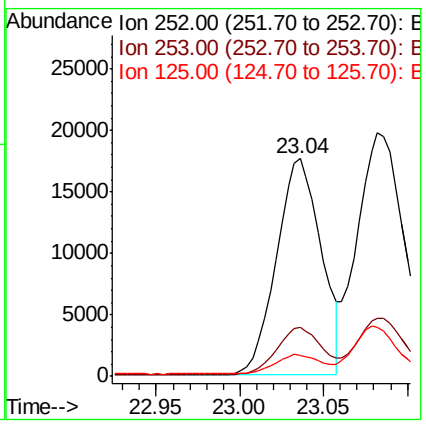


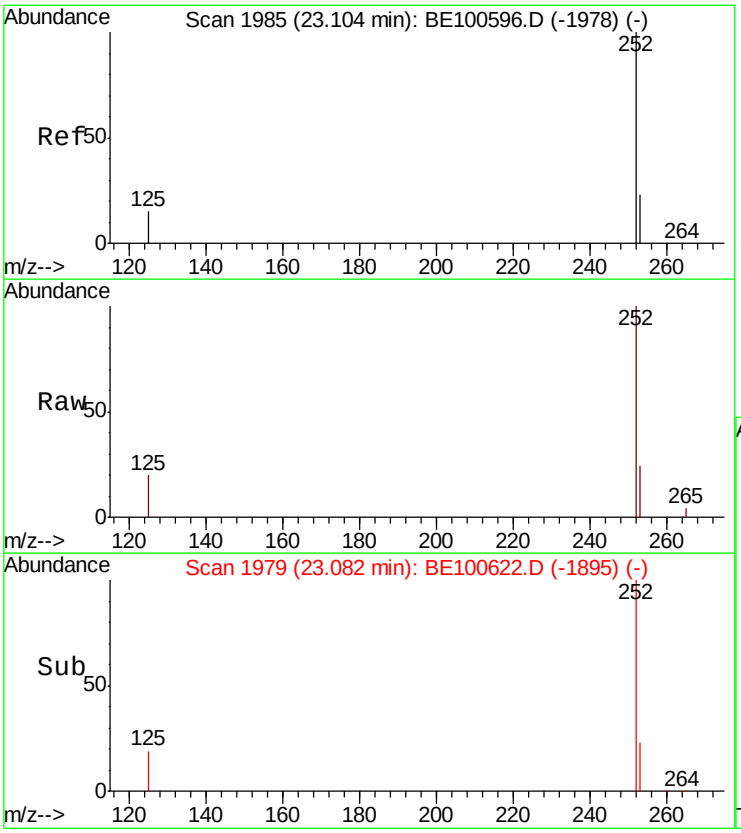
#35
Benzo(b)fluoranthene
Concen: 0.343 ng
RT: 23.04 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 32797

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	9.7	7.9	11.9

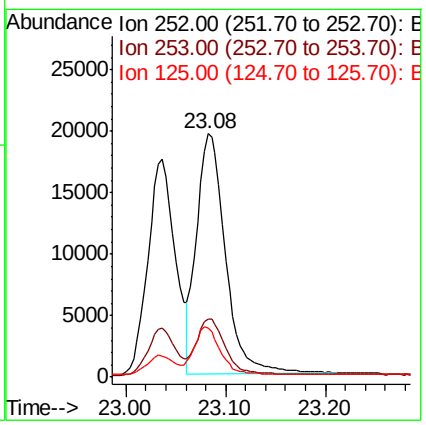


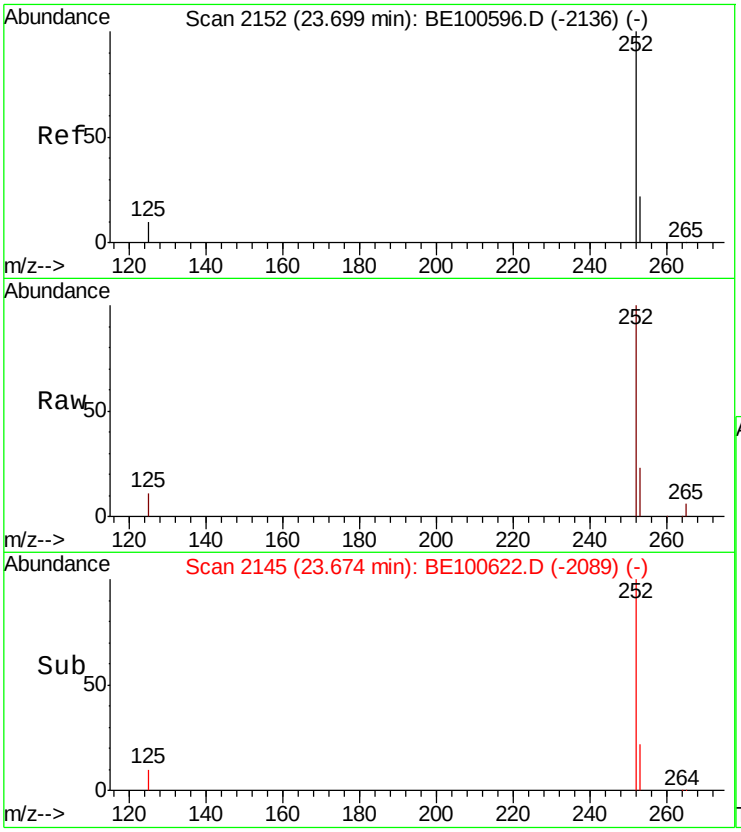


#36
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.08 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:252 Resp: 39399

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	28.0
125	20.0	11.4	17.0#



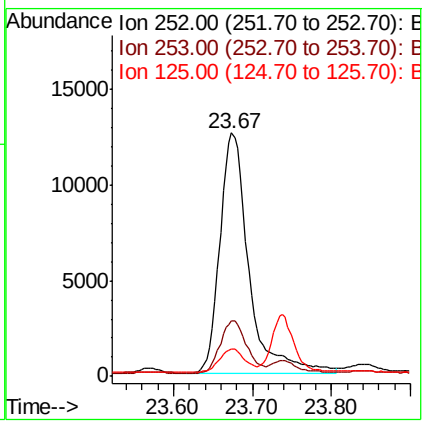


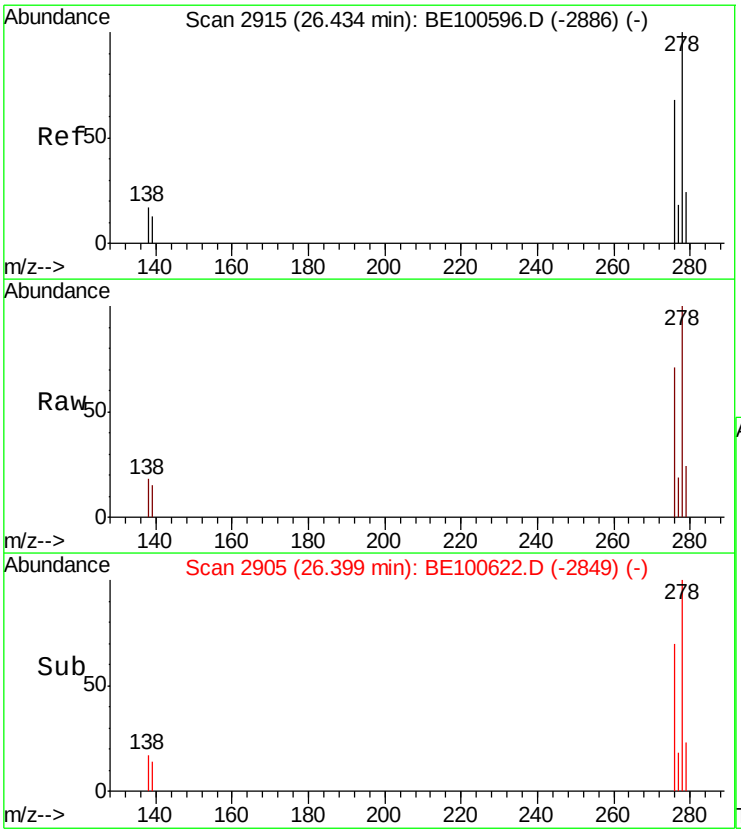
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.67 min Scan# 2145
Delta R.T. -0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 31970

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	11.4	8.8	13.2

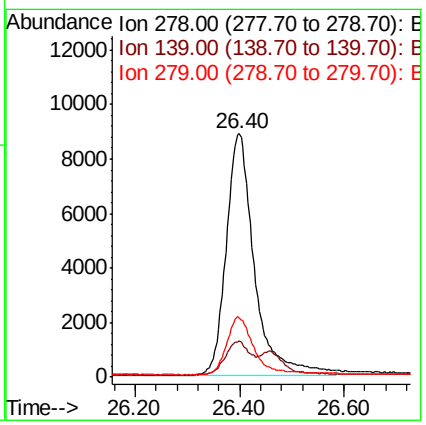


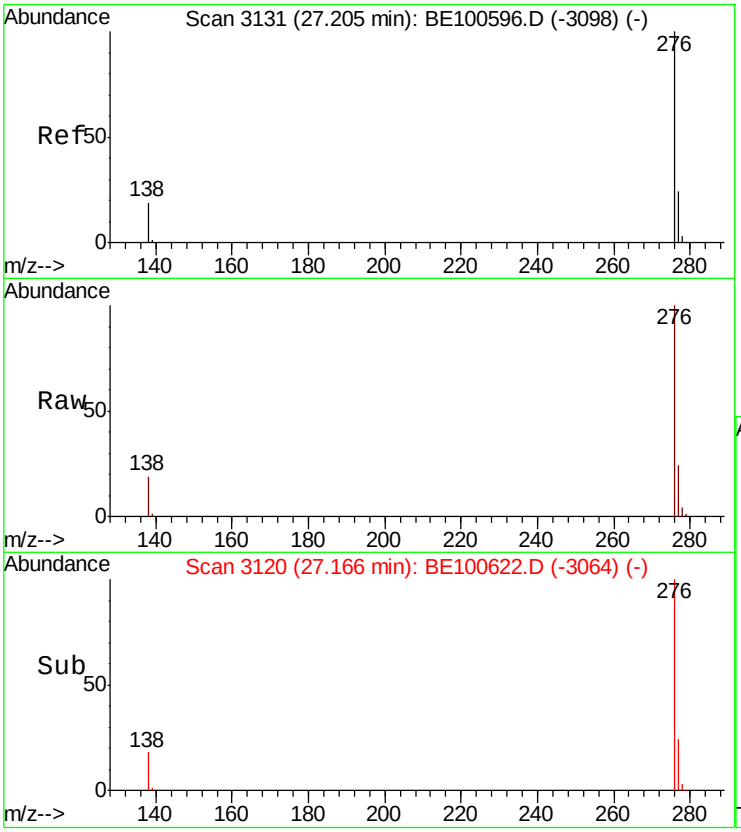


#38
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 26.40 min Scan# 2905
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Tgt Ion:278 Resp: 33425

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.0	16.4
279	24.2	19.7	29.5





#39
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 27.17 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BE100622.D
Acq: 8 Oct 2019 23:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 34397

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	19.1	15.6	23.4