Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
Data File : BE100304.D
Acq On : 2 Jul 2019 16:14
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jul 03 02:13:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	558	0.40	ng		0.00
7) Naphthalene-d8	10.43	136	1876	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	1501	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	4530	0.40	ng		0.01
27) Chrysene-d12	21.25	240	6215	0.40	ng		0.00
34) Perylene-d12	23.68	264	7898	0.40	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	612	0.43	ng		0.00
5) Phenol-d6	6.84	99	702	0.37	ng		0.00
8) Nitrobenzene-d5	8.82	82	750	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	1438	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.84	330	447	0.43	ng		0.01
15) 2-Fluorobiphenyl	12.94	172	2351	0.40	ng		0.00
25) Fluoranthene-d10	19.10	212	27792	0.42	ng		0.00
29) Terphenyl-d14	19.70	244	5919	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	340	0.393	ng	#	86
3) n-Nitrosodimethylamine	3.46	42	146	0.362	ng	#	72
6) bis(2-Chloroethyl)ether	7.08	93	611	0.397	ng	#	85
9) Naphthalene	10.48	128	8518	0.412	ng		100
10) Hexachlorobutadiene	10.76	225	859	0.431	ng		97
12) 2-Methylnaphthalene	12.12	142	1383	0.381	ng		99
16) Acenaphthylene	14.04	152	3011	0.418	ng		99
17) Acenaphthene	14.38	154	1677	0.411	ng		97
18) Fluorene	15.37	166	2522	0.418	ng		98
20) 4-Bromophenyl-phenylether	16.26	248	1249	0.432	ng		97
21) Hexachlorobenzene	16.37	284	1309	0.436	ng		97
22) Pentachlorophenol	16.80	266	24	0.027	ng	#	74
23) Phenanthrene	17.11	178	4634	0.422	ng		98
24) Anthracene	17.20	178	4279	0.433	ng		99
26) Fluoranthene	19.13	202	7419	0.424	ng		99
28) Pyrene	19.49	202	7705	0.468	ng		100
30) Benzo(a)anthracene	21.23	228	8580	0.420	ng		97
31) Chrysene	21.28	228	9120	0.444	ng		98
32) Bis(2-ethylhexyl)phthalate	21.15	149	13372	0.405	ng		99
33) Indeno(1,2,3-cd)pyrene	26.23	276	11767	0.434	ng		99
35) Benzo(b)fluoranthene	22.93	252	8797	0.411	ng		98
36) Benzo(k)fluoranthene	22.98	252	9857	0.412	ng		97
37) Benzo(a)pyrene	23.57	252	9382	0.437	ng	#	96
38) Dibenzo(a,h)anthracene	26.26	278	9491	0.423	ng		98
39) Benzo(g,h,i)perylene	27.02	276	9733	0.423	ng		98

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

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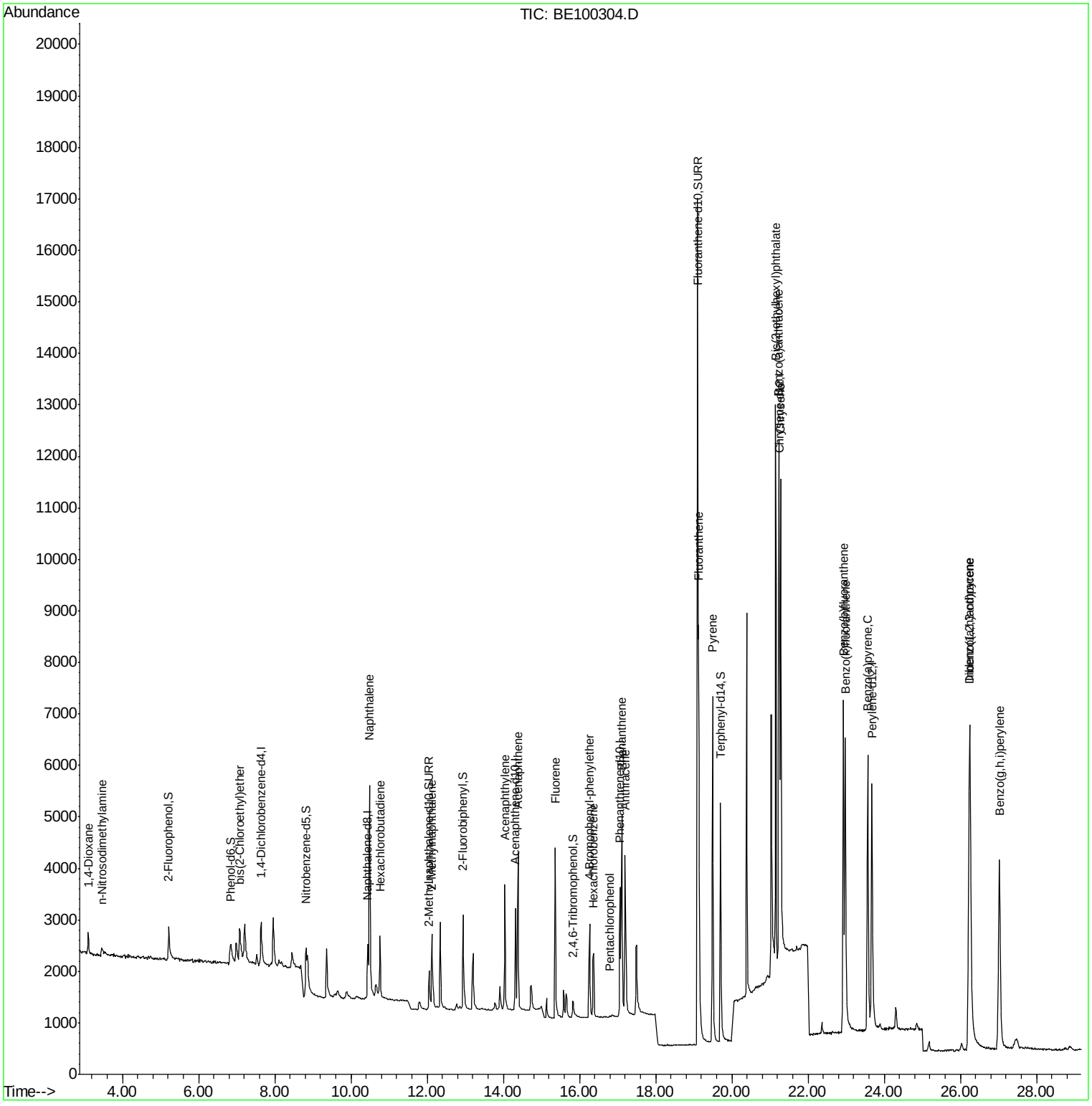
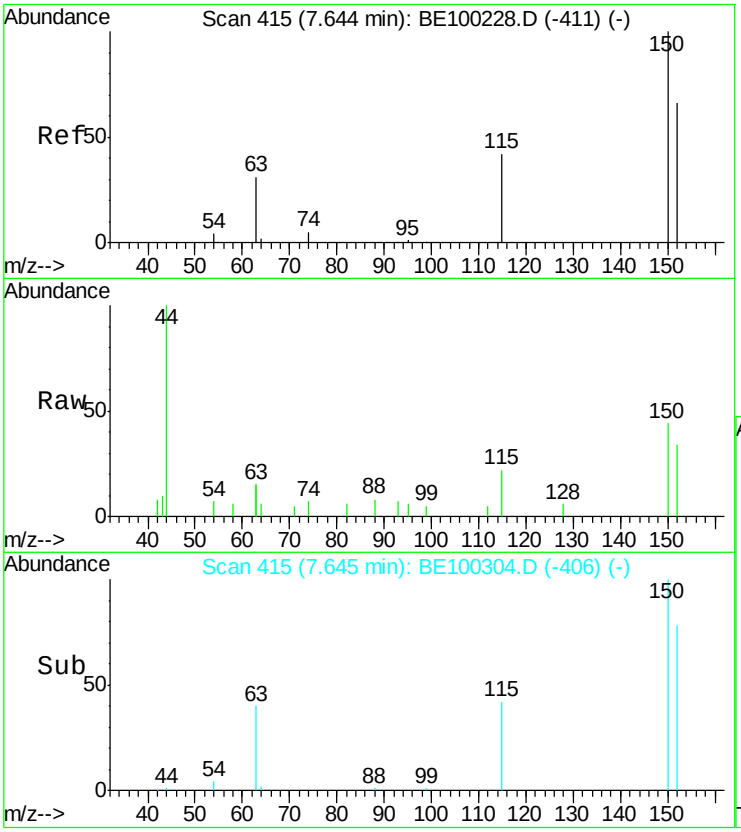
Data File : BE100304.D
Acq On : 2 Jul 2019 16:14
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 03 02:13:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration



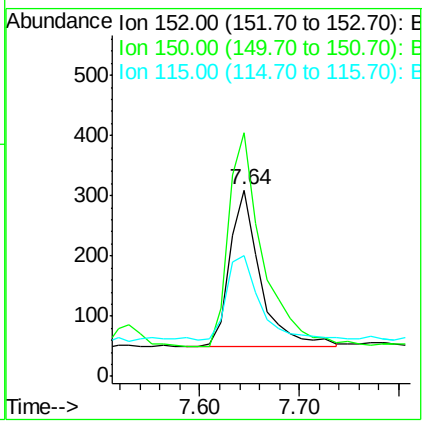


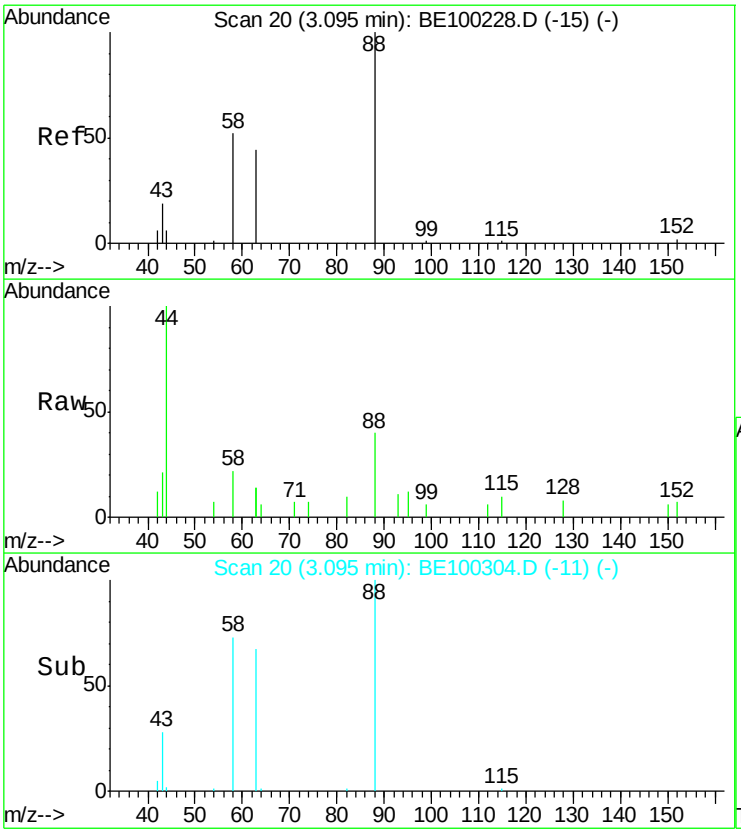
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 558

Ion	Ratio	Lower	Upper
152	100		
150	130.3	114.5	171.7
115	64.8	57.1	85.7

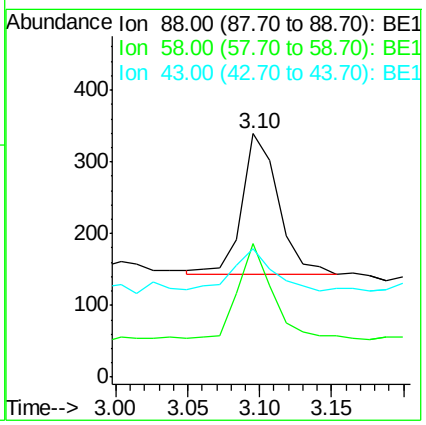


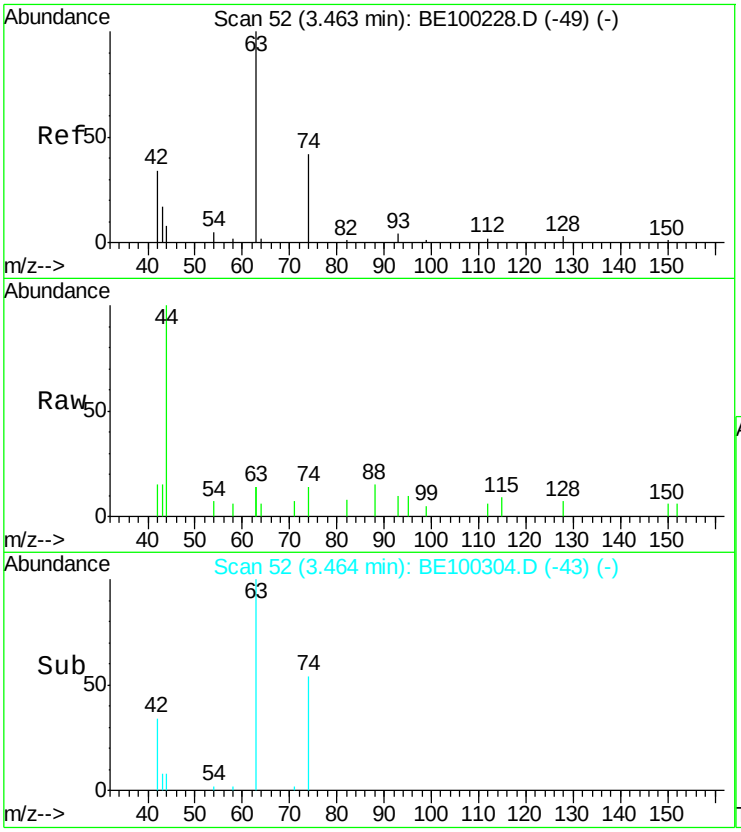


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion: 88 Resp: 340

Ion	Ratio	Lower	Upper
88	100		
58	64.1	43.6	65.4
43	33.8	21.4	32.0#



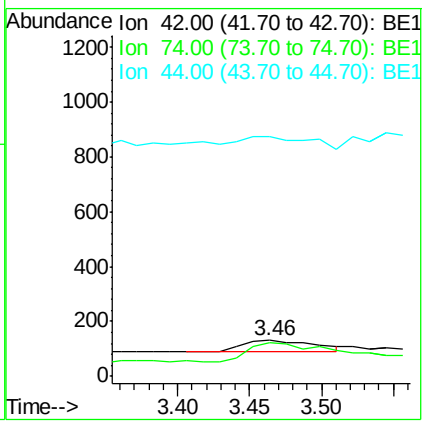


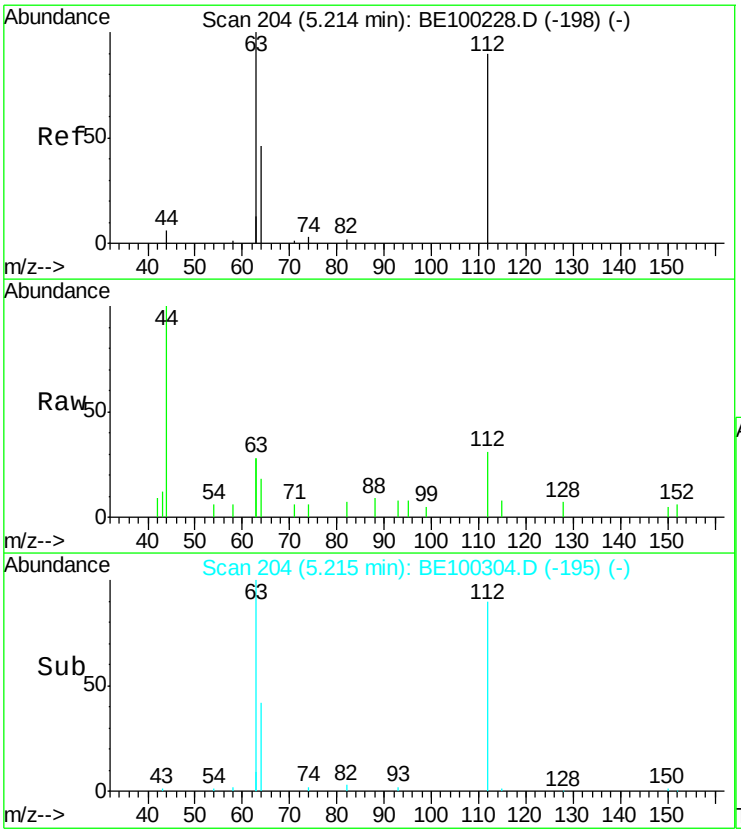
#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.46 min Scan# 52
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 146

Ion	Ratio	Lower	Upper
42	100		
74	175.3	130.6	196.0
44	108.9	38.0	57.0#

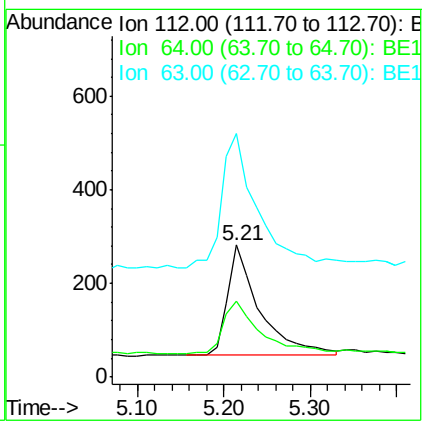


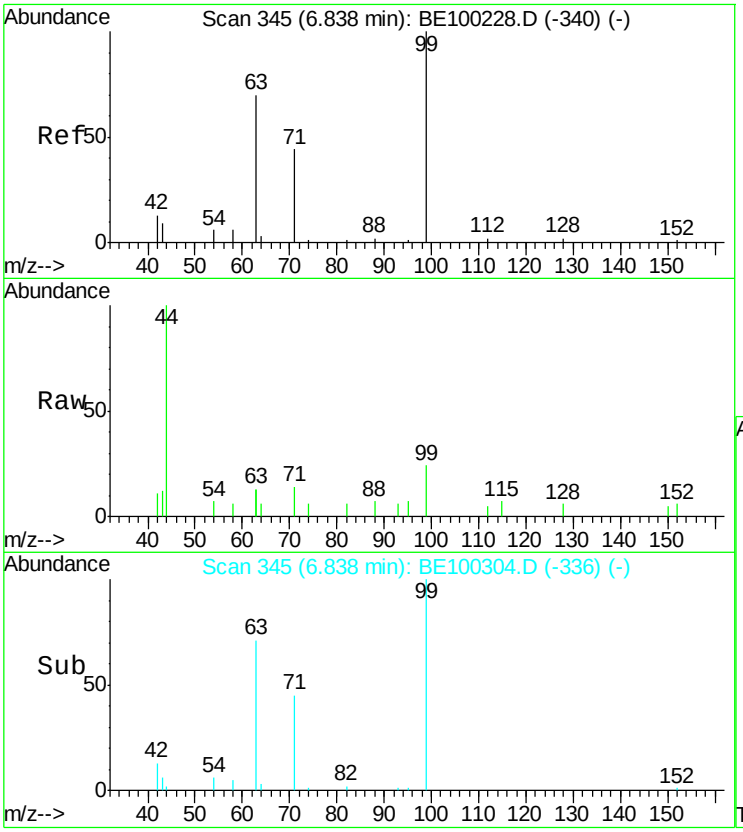


#4
2-Fluorophenol
Concen: 0.430 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:112 Resp: 612

Ion	Ratio	Lower	Upper
112	100		
64	55.1	39.4	59.0
63	143.0	104.5	156.7



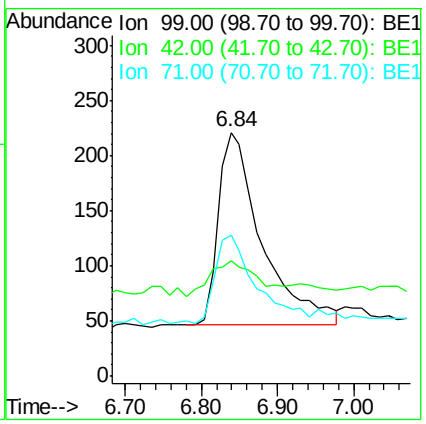


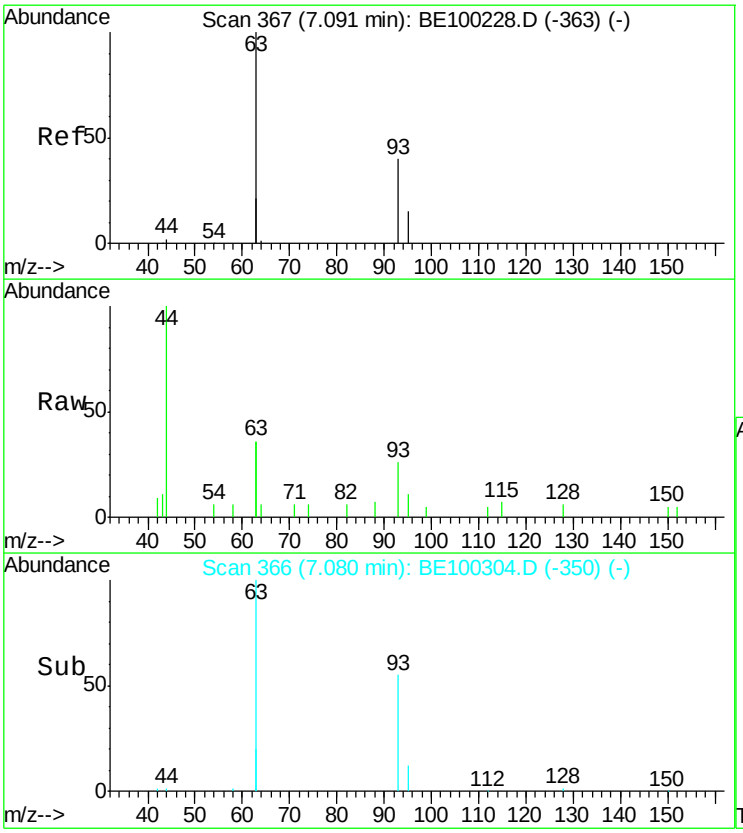
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 702

Ion	Ratio	Lower	Upper
99	100		
42	19.8	11.2	16.8#
71	41.2	37.2	55.8

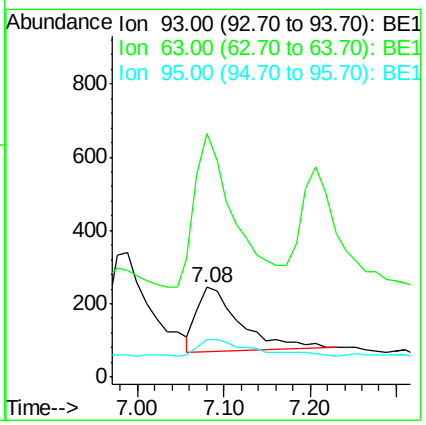


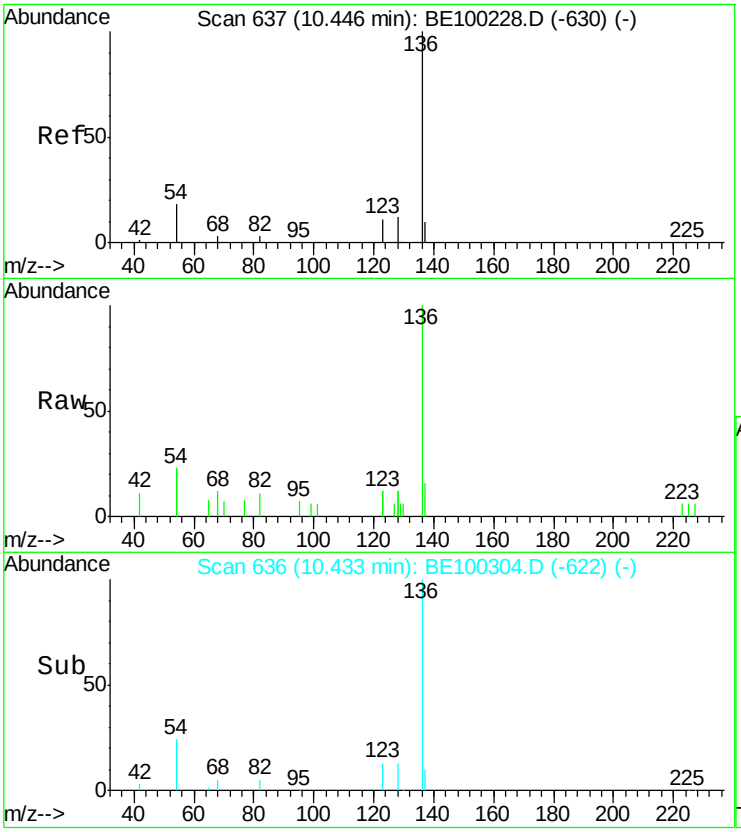


#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.08 min Scan# 366
Delta R.T. -0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion: 93 Resp: 611

Ion	Ratio	Lower	Upper
93	100		
63	217.7	155.6	233.4
95	34.9	23.0	34.4#



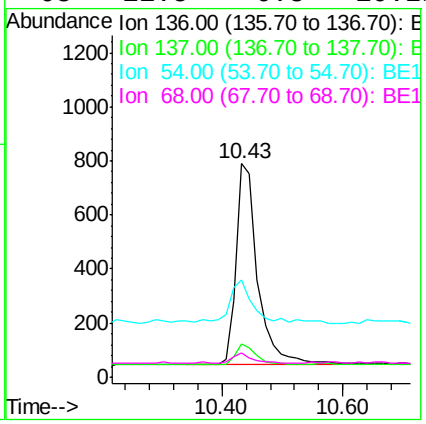


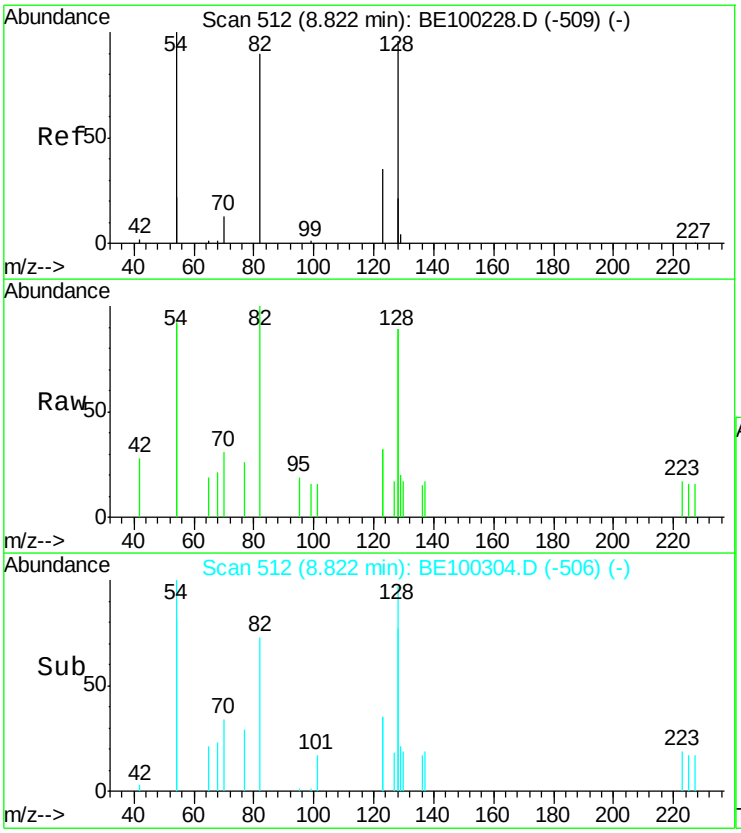
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 1876

Ion	Ratio	Lower	Upper
136	100		
137	15.7	11.8	17.8
54	45.3	27.7	41.5#
68	11.5	6.8	10.2#

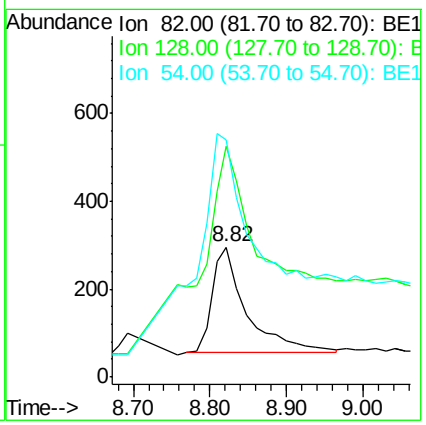


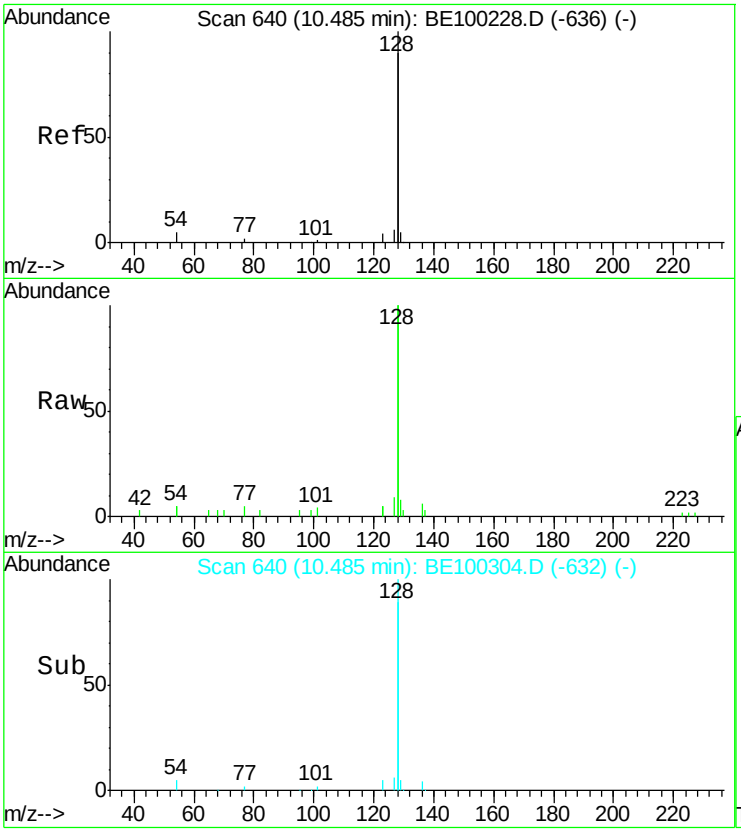


#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.82 min Scan# 512
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion: 82 Resp: 750

Ion	Ratio	Lower	Upper
82	100		
128	177.6	140.9	211.3
54	183.1	146.2	219.2



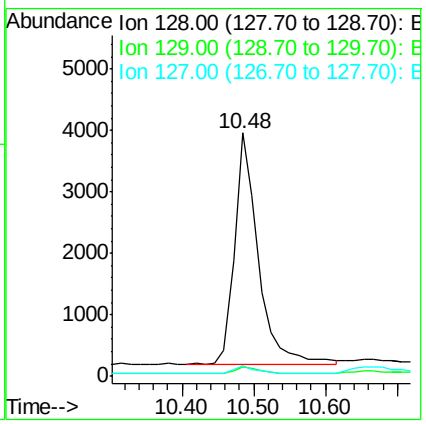


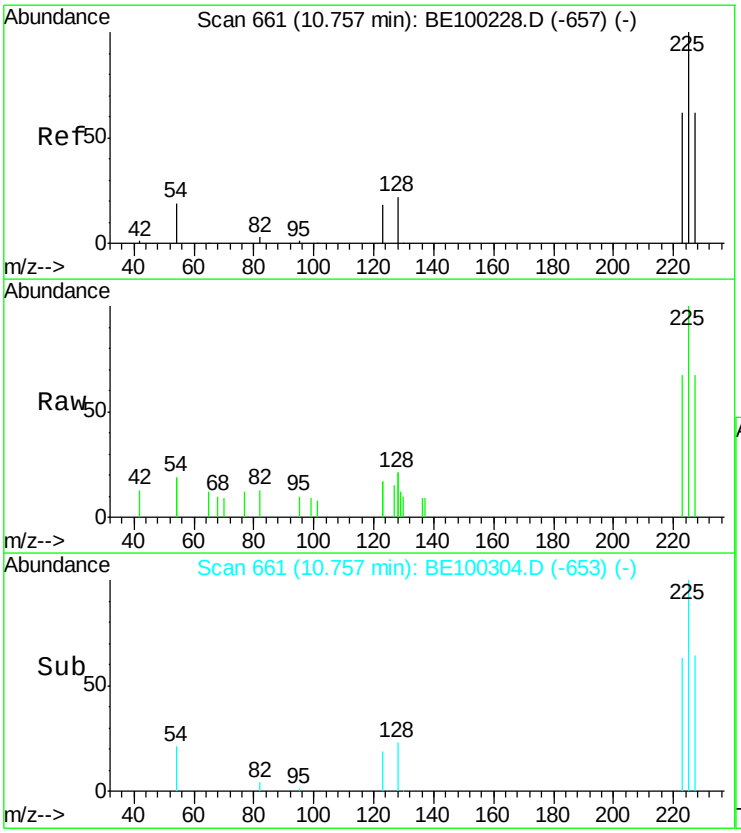
#9
Naphthalene
Concen: 0.412 ng
RT: 10.48 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8518

Ion	Ratio	Lower	Upper
128	100		
129	3.9	3.0	4.6
127	4.4	3.5	5.3

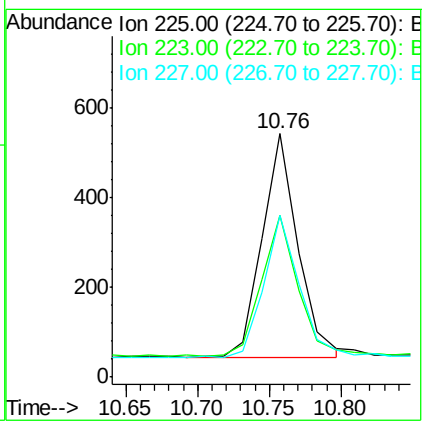


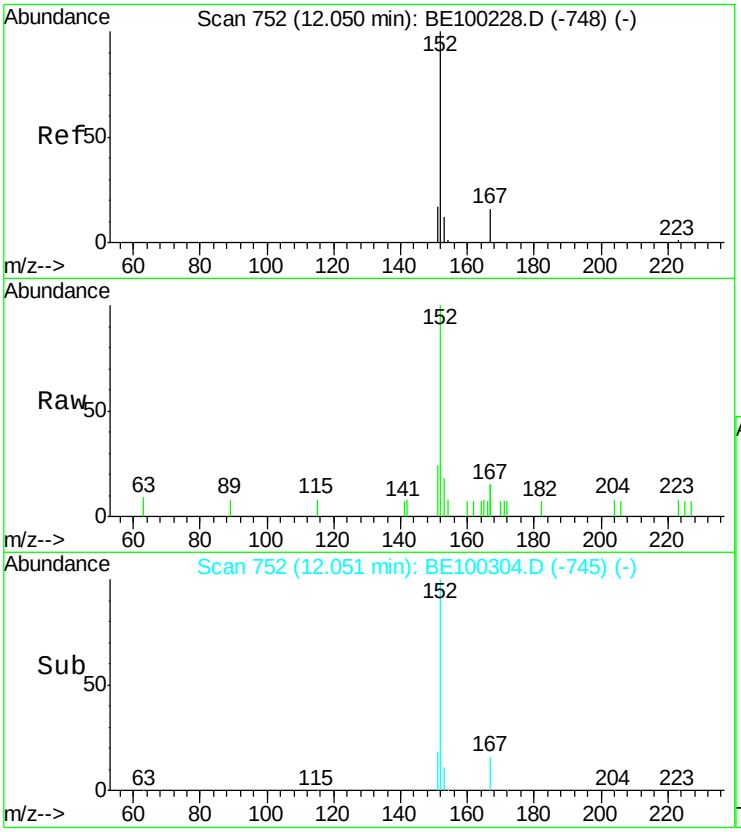


#10
Hexachlorobutadiene
Concen: 0.431 ng
RT: 10.76 min Scan# 661
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:225 Resp: 859

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.1	73.7
227	63.6	49.3	73.9



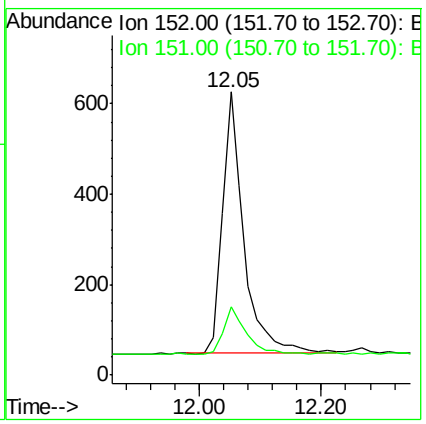


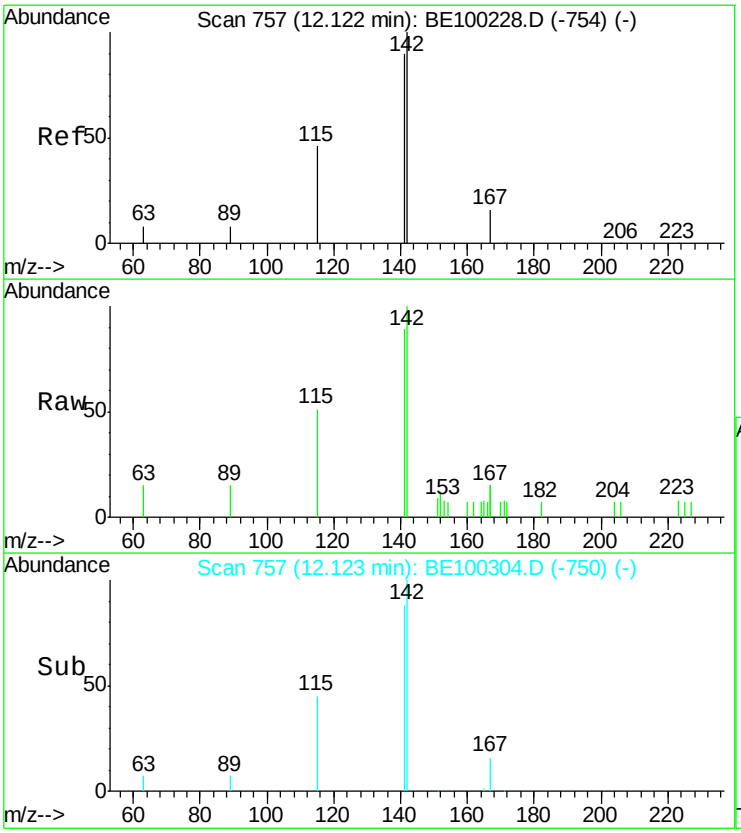
#11
2-Methylnaphthalene-d10
Concen: 0.408 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1438

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.1	22.7

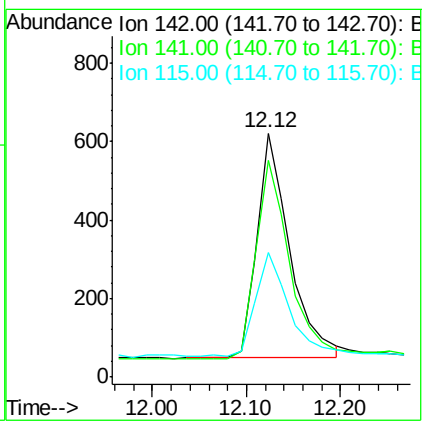


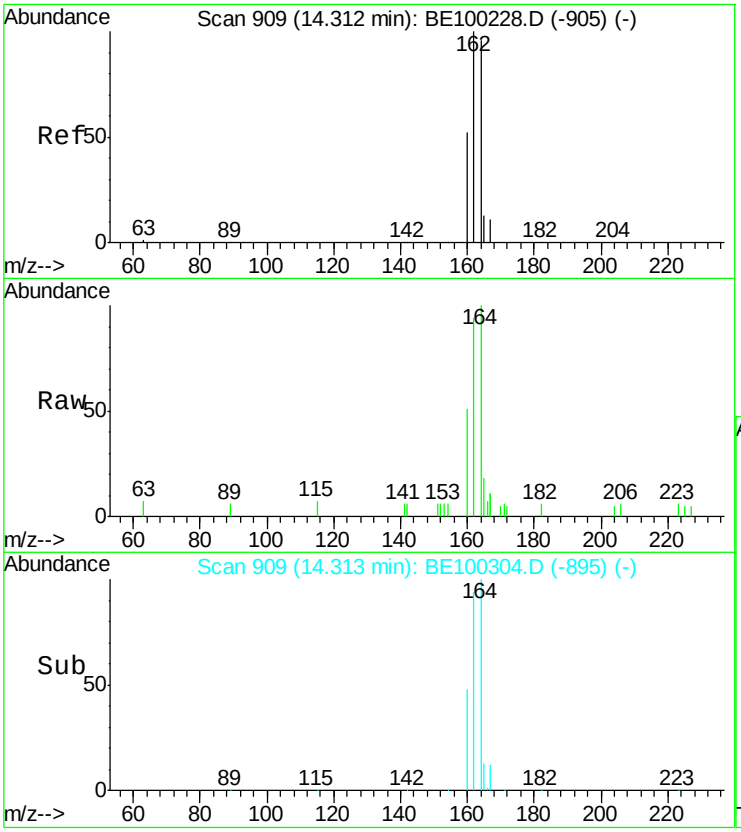


#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:142 Resp: 1383

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.4	108.6
115	50.9	40.4	60.6



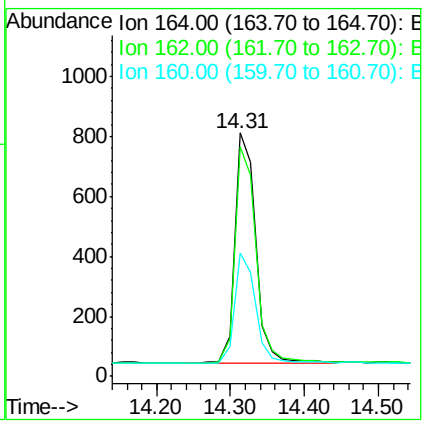


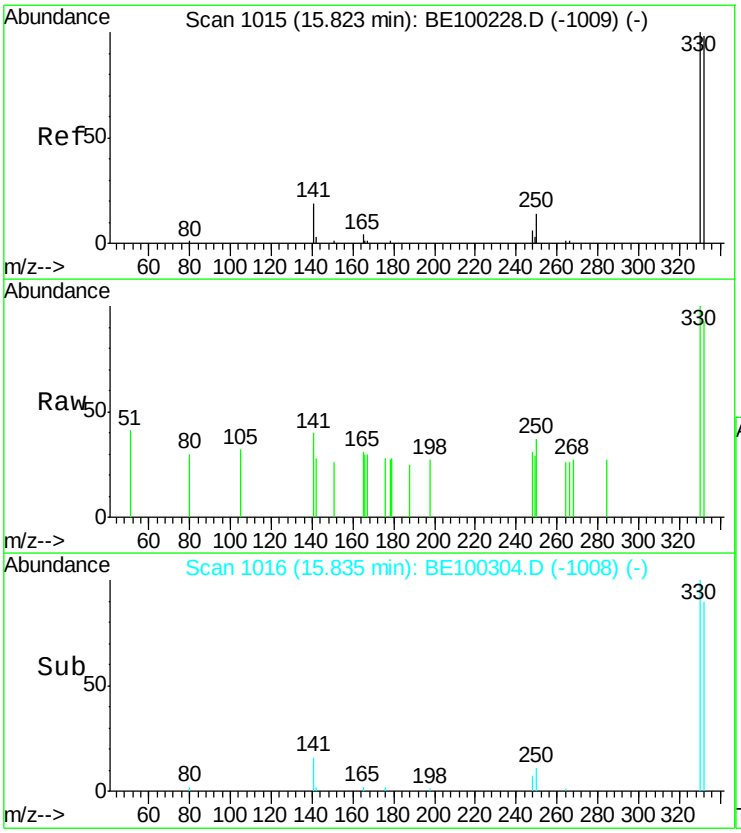
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1501

Ion	Ratio	Lower	Upper
164	100		
162	94.2	83.4	125.0
160	50.9	45.0	67.6

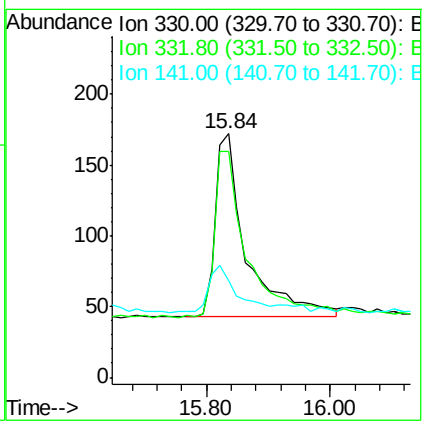


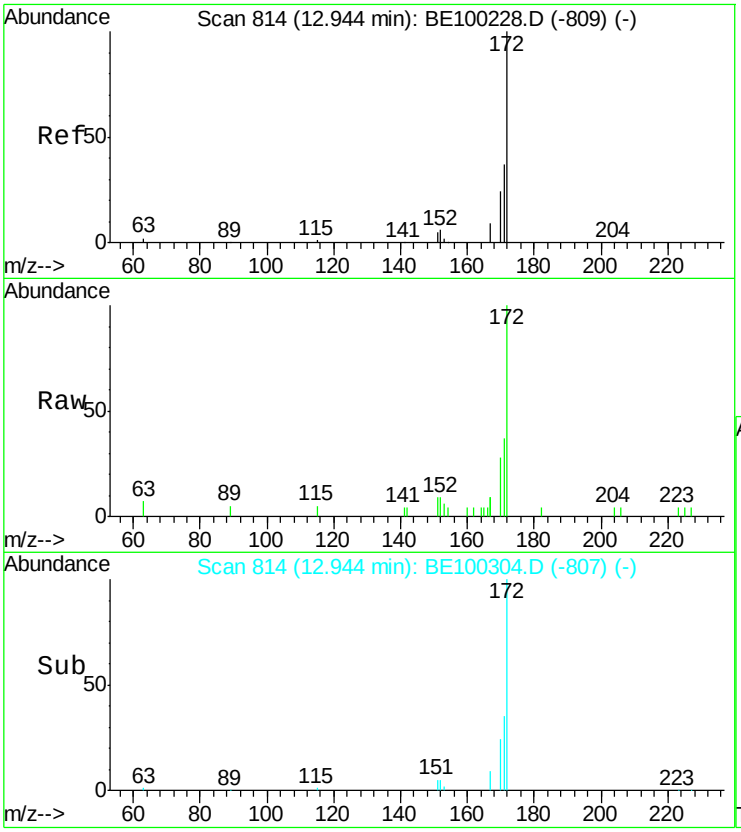


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 15.84 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:330 Resp: 447

Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.0	115.4
141	21.5	22.0	33.0#



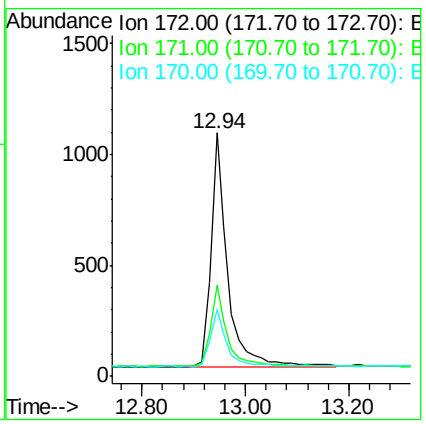


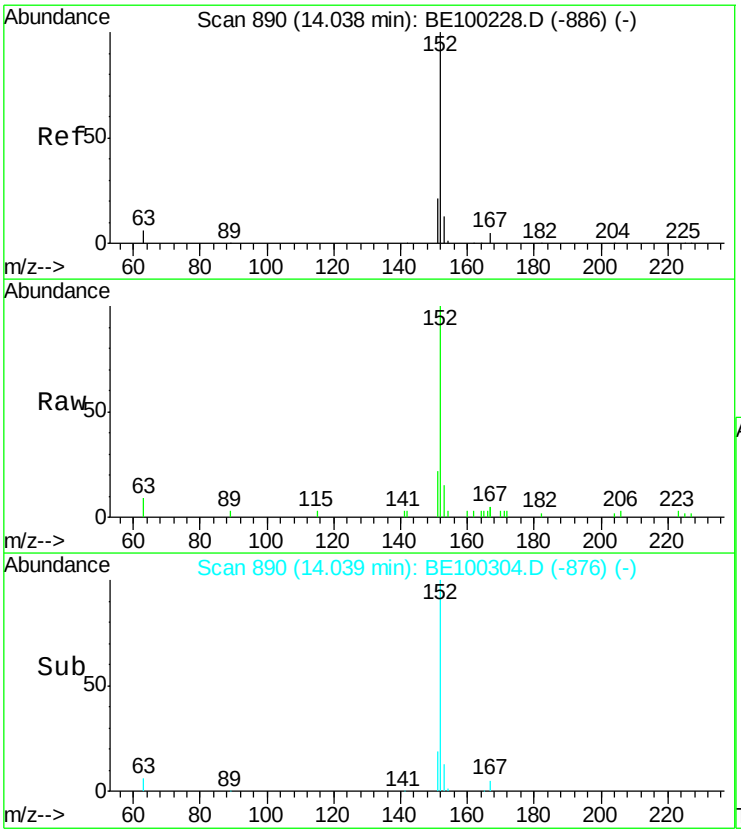
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2351

Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.9	47.9
170	27.5	22.2	33.2

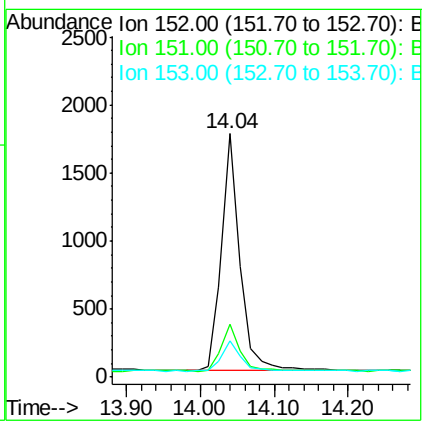


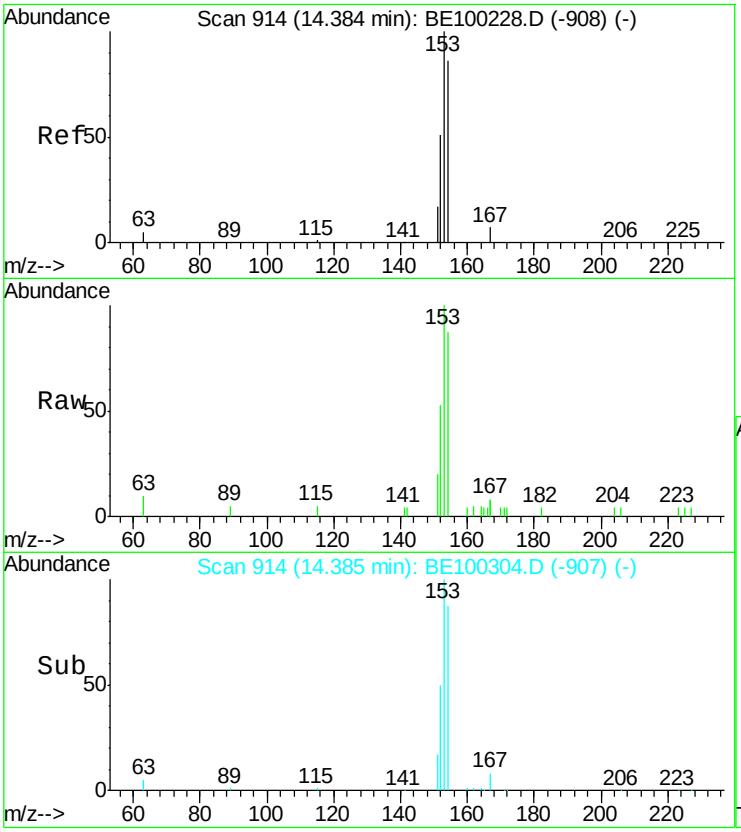


#16
Acenaphthylene
Concen: 0.418 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:152 Resp: 3011

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	13.5	10.5	15.7



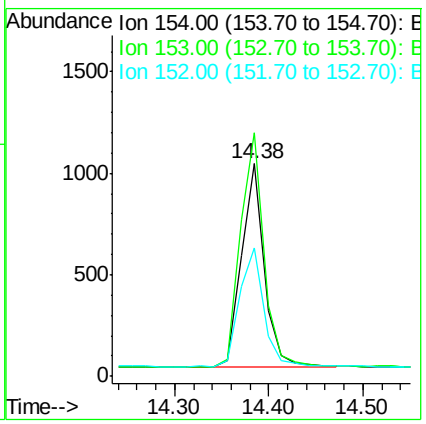


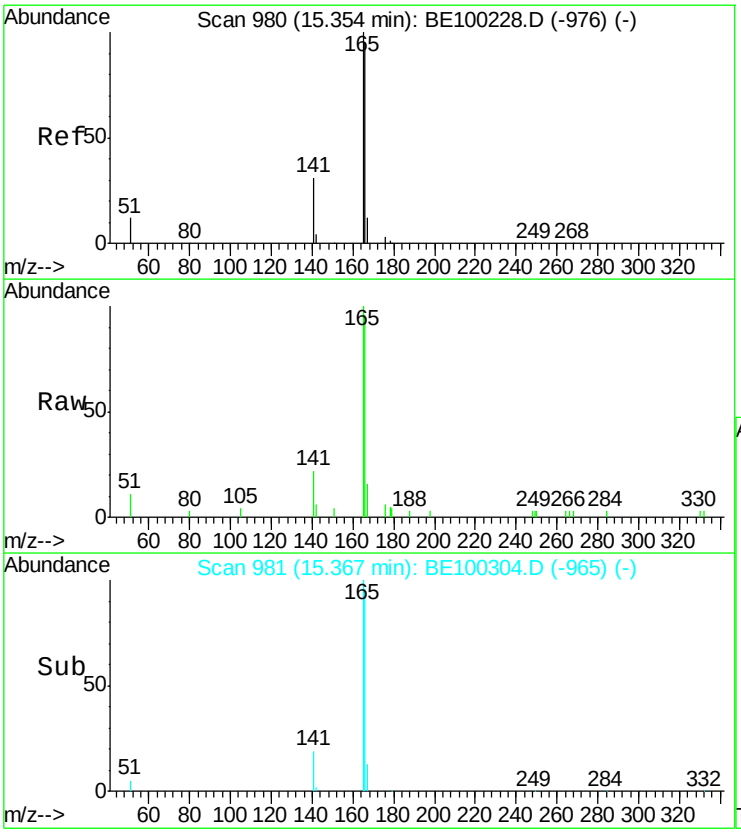
#17
Acenaphthene
Concen: 0.411 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 1677

Ion	Ratio	Lower	Upper
154	100		
153	120.6	93.4	140.2
152	62.6	49.4	74.2

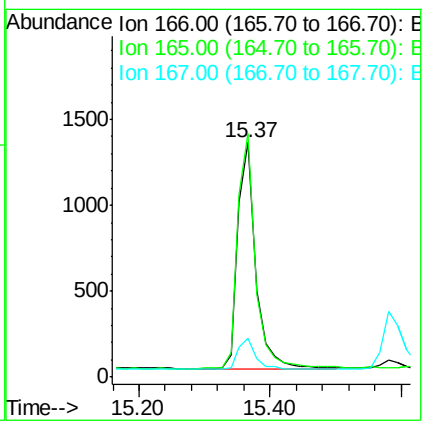


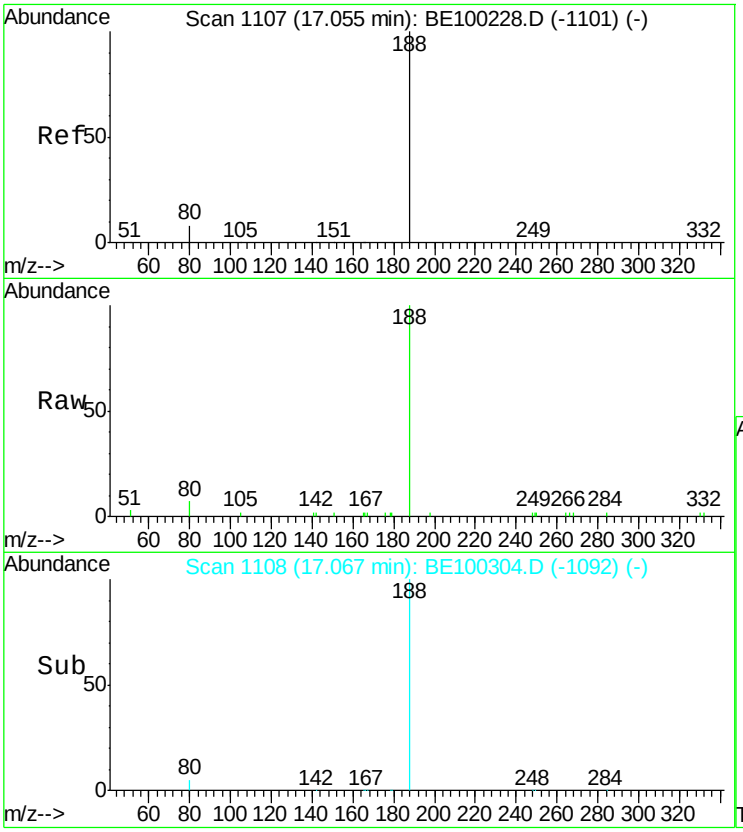


#18
Fluorene
Concen: 0.418 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:166 Resp: 2522

Ion	Ratio	Lower	Upper
166	100		
165	103.6	81.1	121.7
167	13.4	10.7	16.1



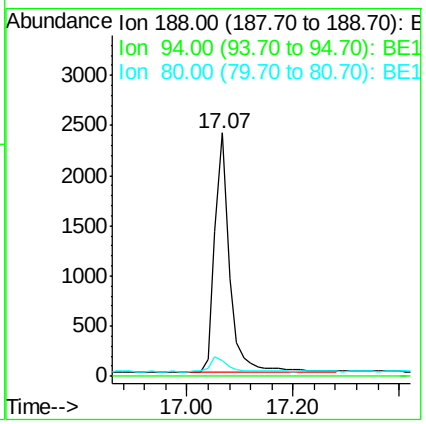


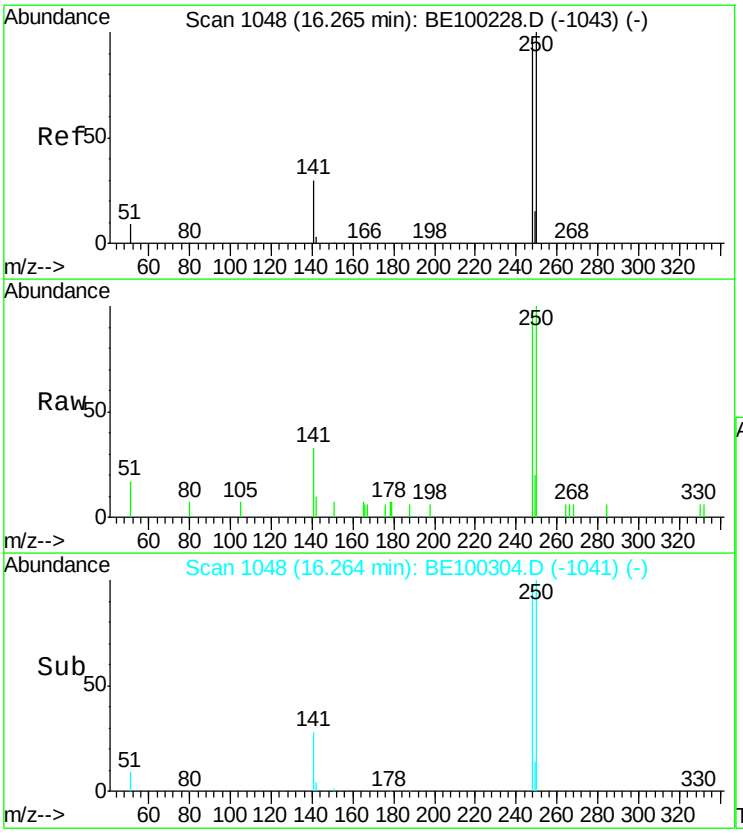
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 4530

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	7.6	11.4#

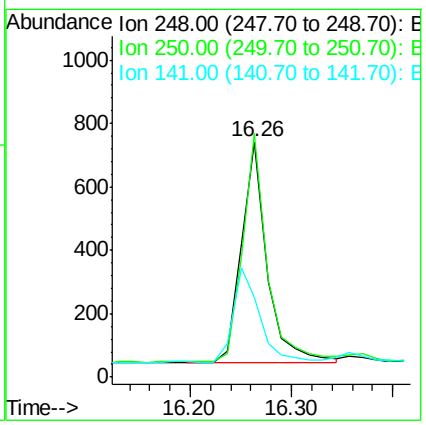


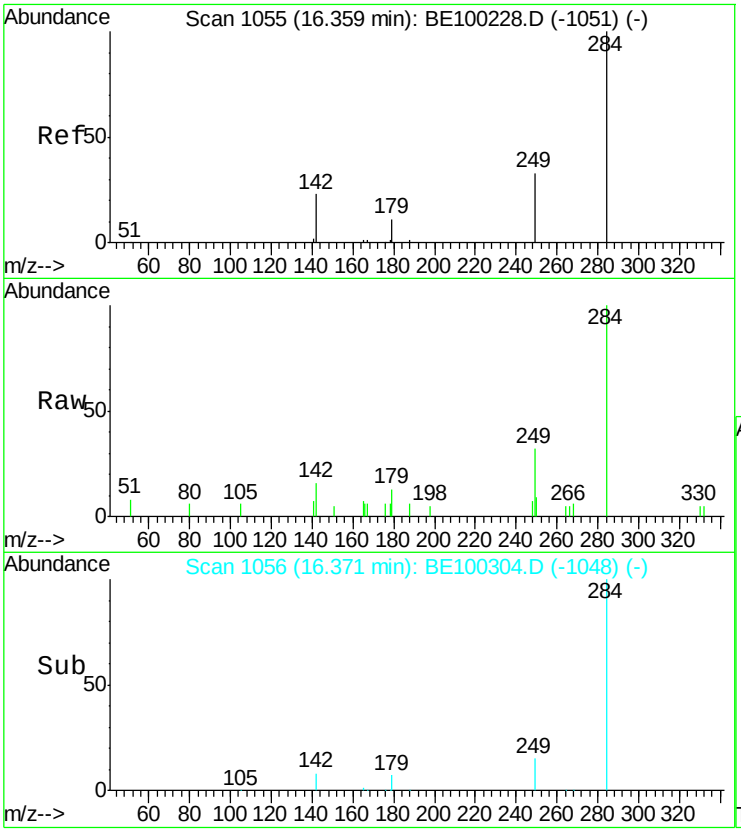


#20
4-Bromophenyl-phenylether
Concen: 0.432 ng
RT: 16.26 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:248 Resp: 1249

Ion	Ratio	Lower	Upper
248	100		
250	103.5	84.2	126.4
141	33.7	29.3	43.9



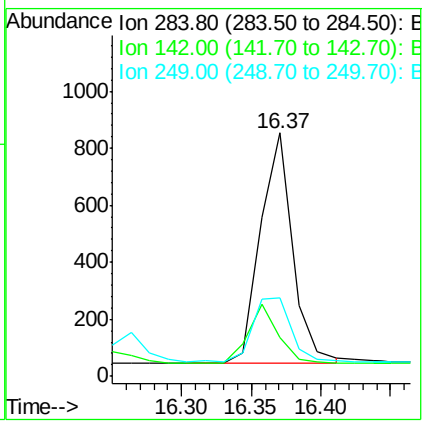


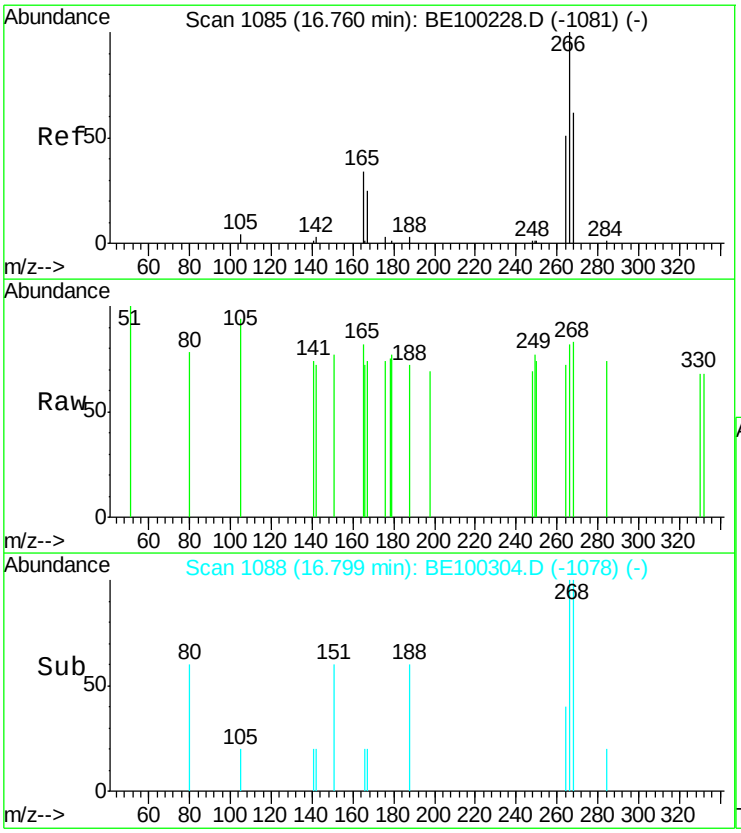
#21
Hexachlorobenzene
Concen: 0.436 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1309

Ion	Ratio	Lower	Upper
284	100		
142	23.9	18.8	28.2
249	32.4	23.7	35.5

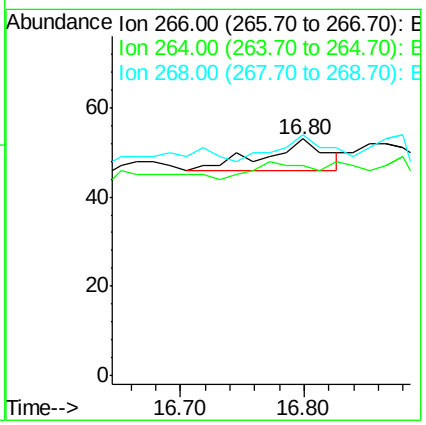


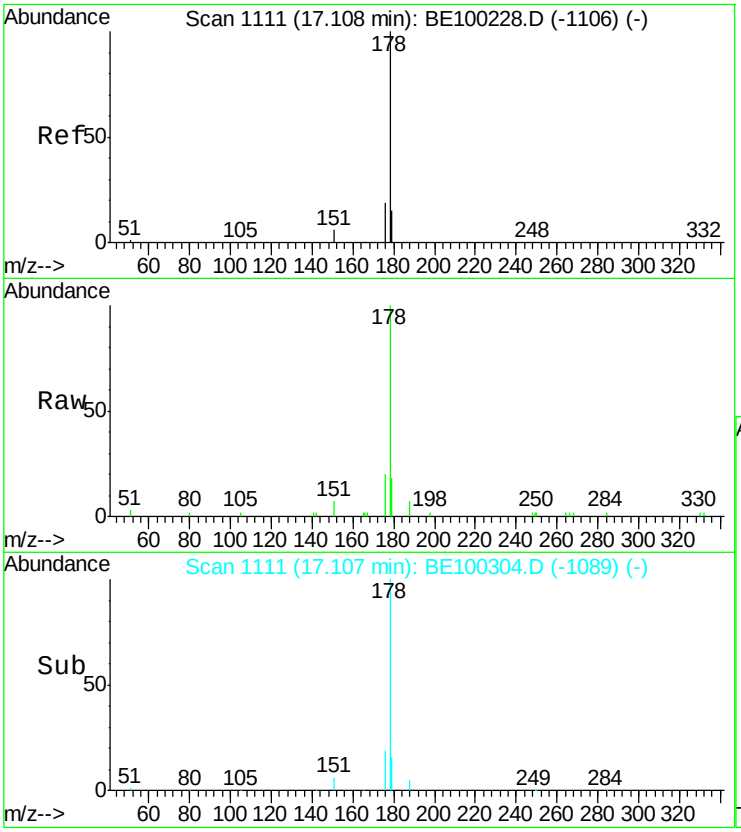


#22
Pentachlorophenol
Concen: 0.027 ng
RT: 16.80 min Scan# 1088
Delta R.T. 0.04 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:266 Resp: 24

Ion	Ratio	Lower	Upper
266	100		
264	88.7	56.2	84.2#
268	101.9	61.8	92.6#



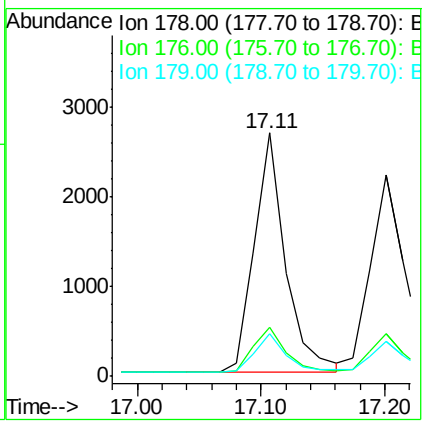


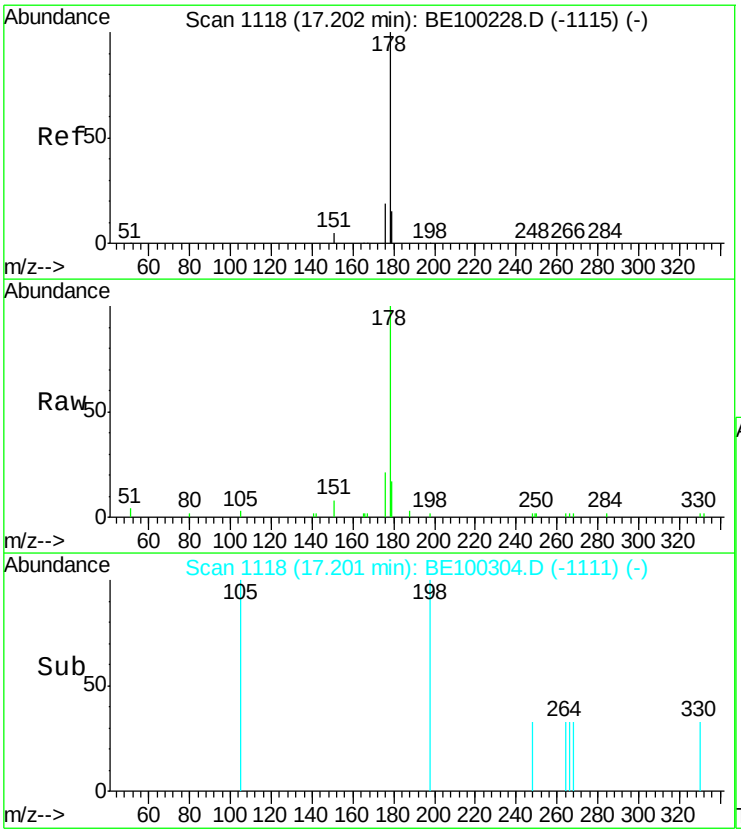
#23
Phenanthrene
Concen: 0.422 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 4634

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	16.9	12.2	18.2

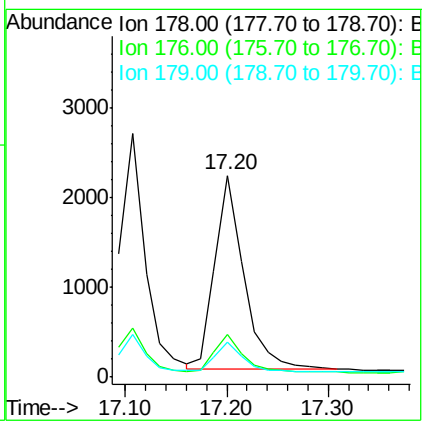


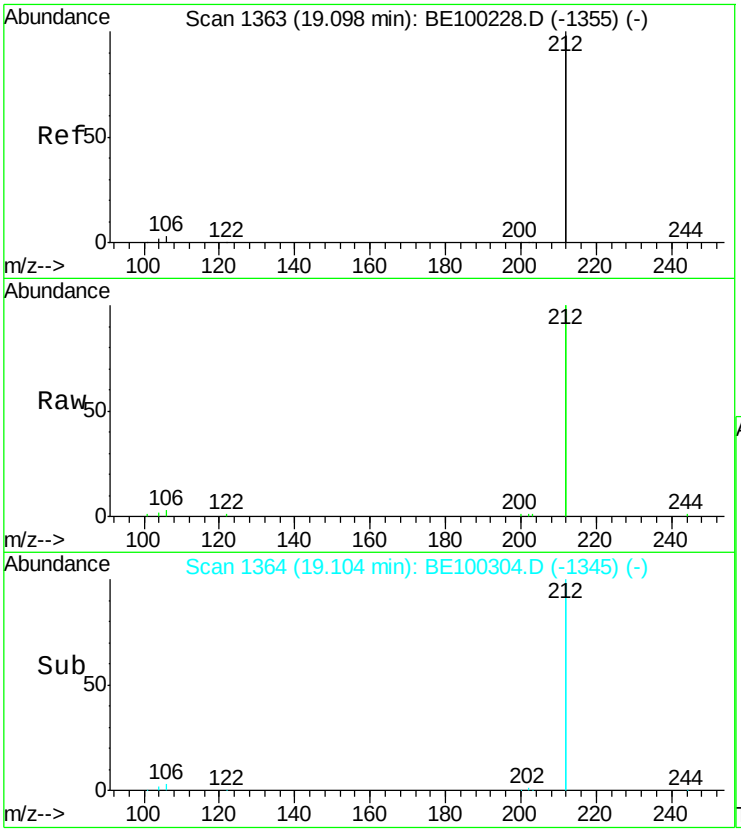


#24
Anthracene
Concen: 0.433 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:178 Resp: 4279

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.0	12.2	18.2



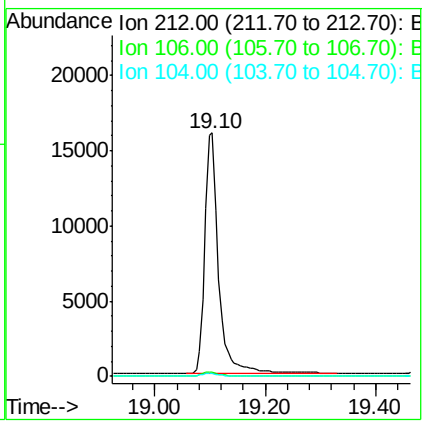


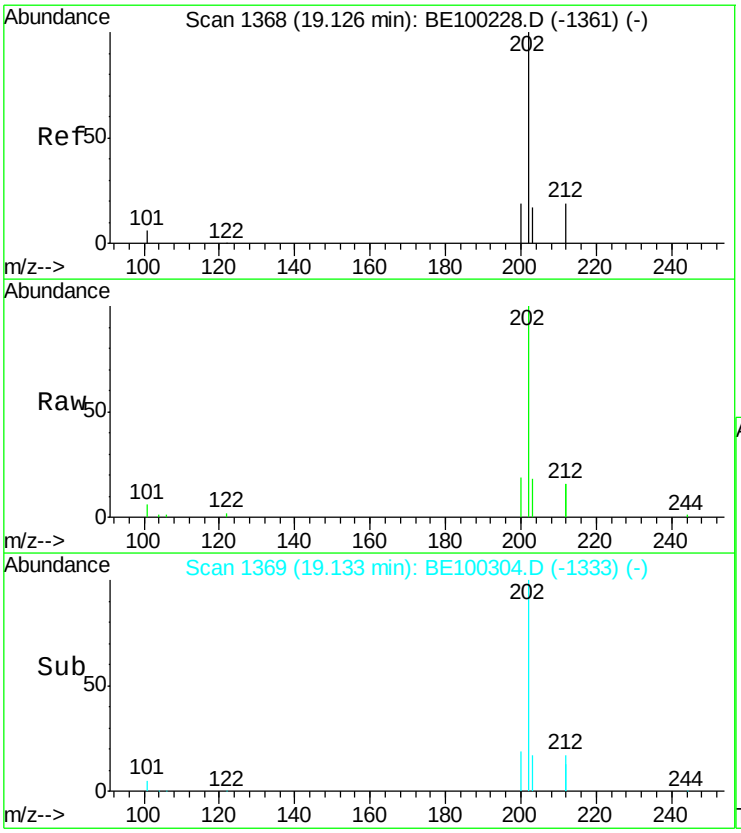
#25
Fluoranthene-d10
Concen: 0.423 ng
RT: 19.10 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 27792

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.8	1.2

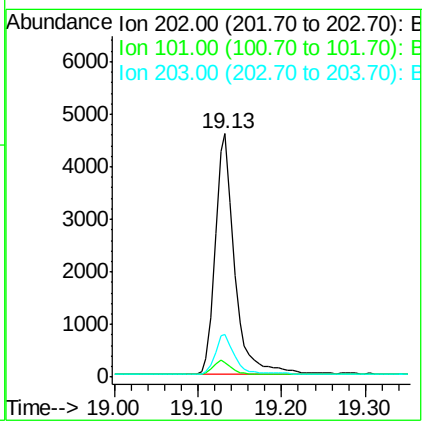


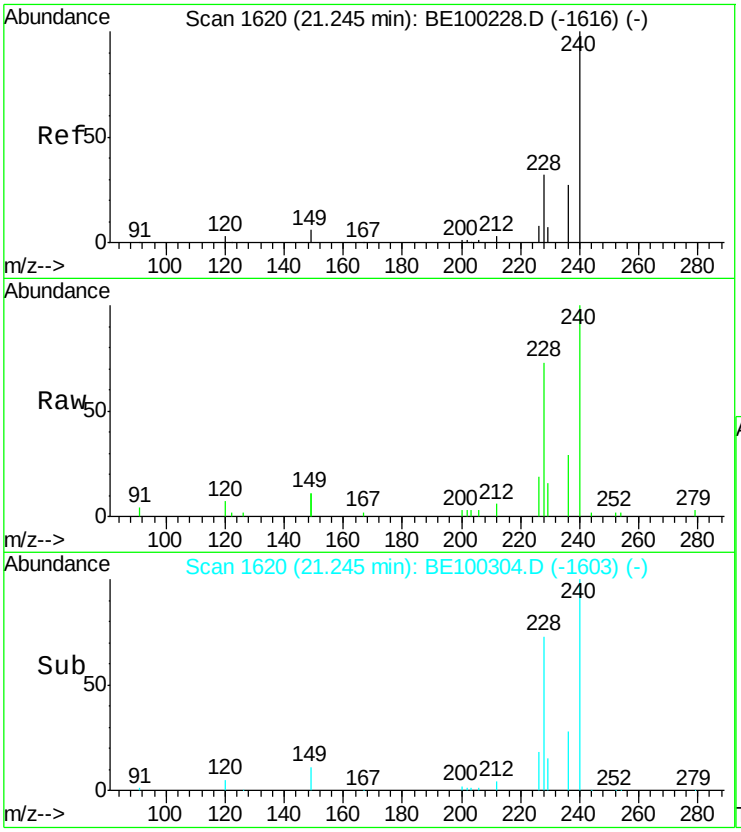


#26
Fluoranthene
Concen: 0.424 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:202 Resp: 7419

Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	16.3	13.7	20.5



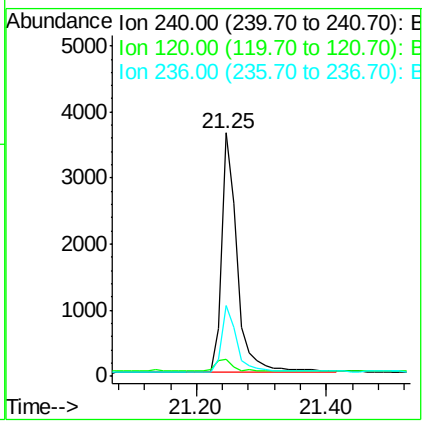


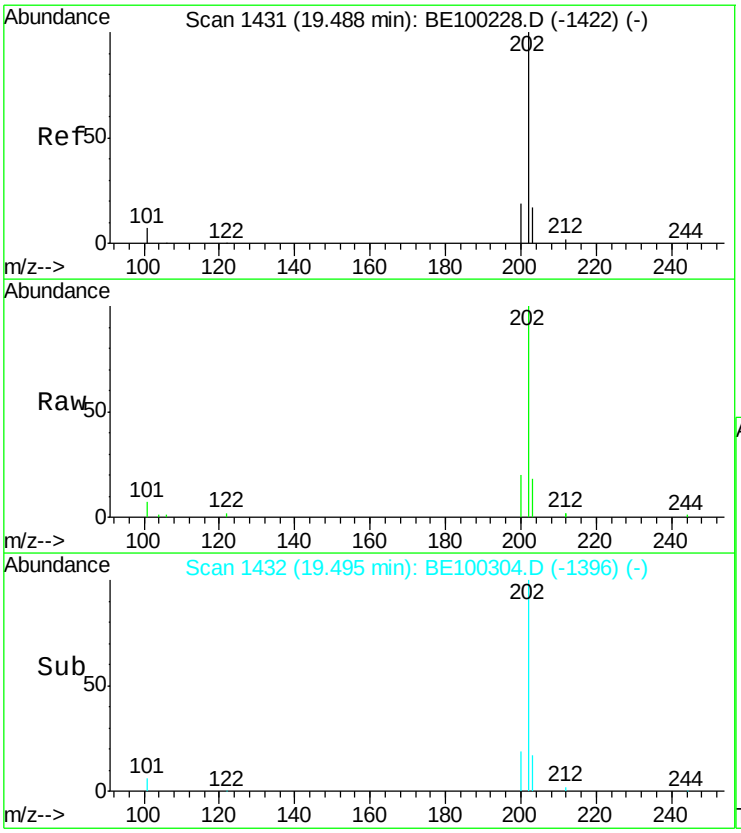
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 6215

Ion	Ratio	Lower	Upper
240	100		
120	6.7	3.3	4.9#
236	29.0	22.6	34.0

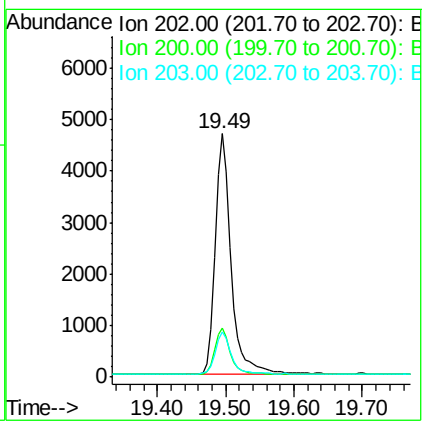


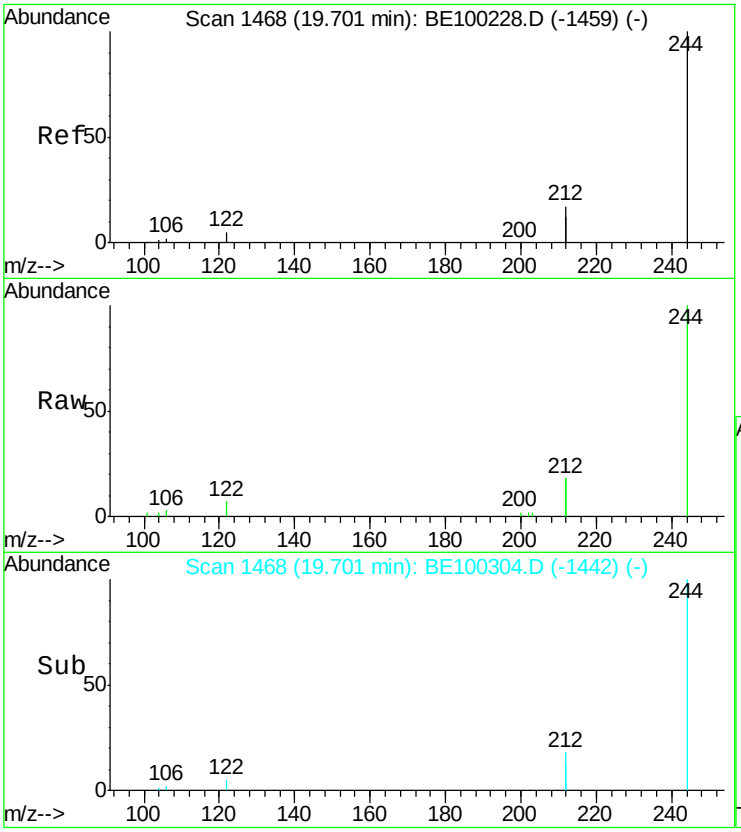


#28
Pyrene
Concen: 0.468 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:202 Resp: 7705

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.6	23.4
203	17.4	14.0	21.0



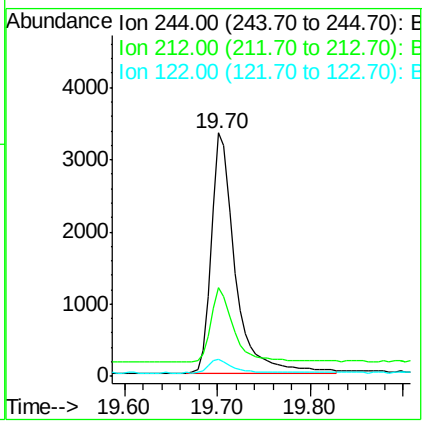


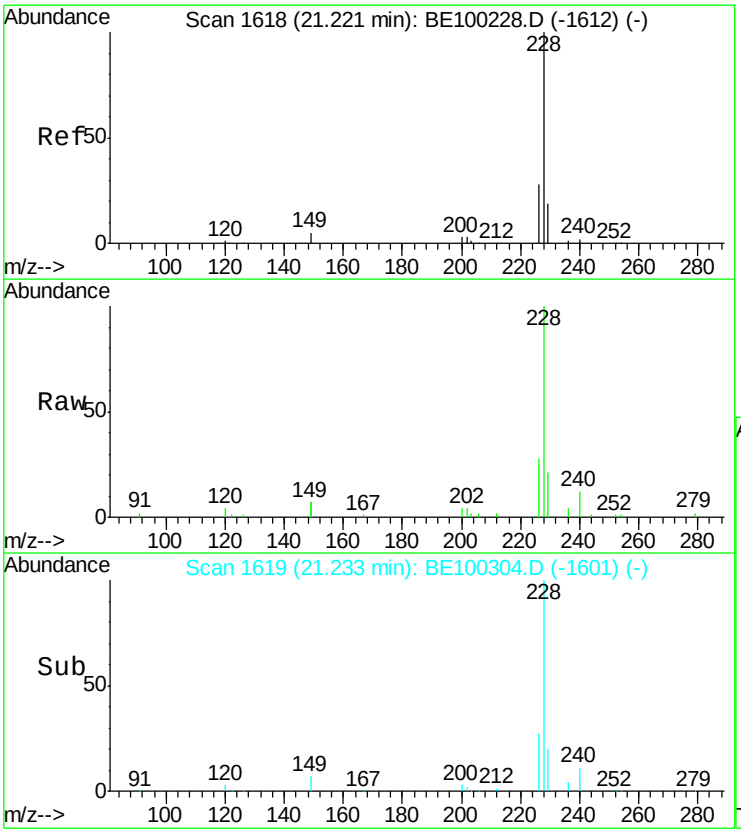
#29
Terphenyl-d14
Concen: 0.459 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 5919

Ion	Ratio	Lower	Upper
244	100		
212	36.4	27.3	40.9
122	6.9	4.7	7.1

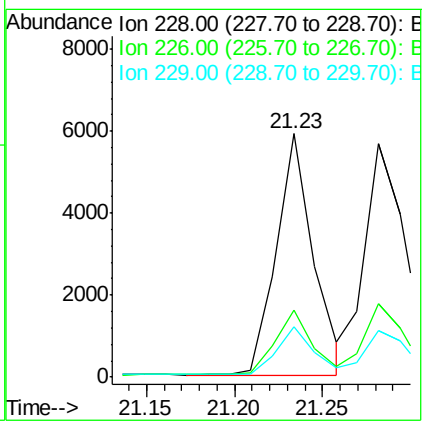


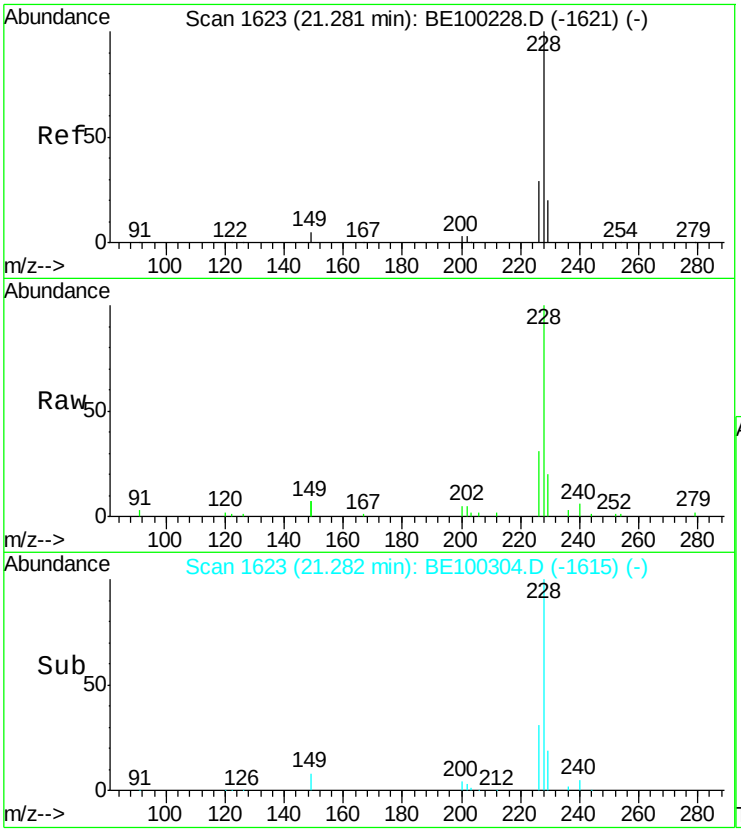


#30
Benzo(a)anthracene
Concen: 0.420 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:228 Resp: 8580

Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.2	34.8
229	20.7	15.7	23.5



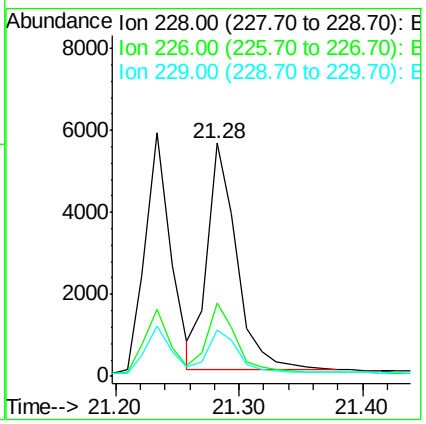


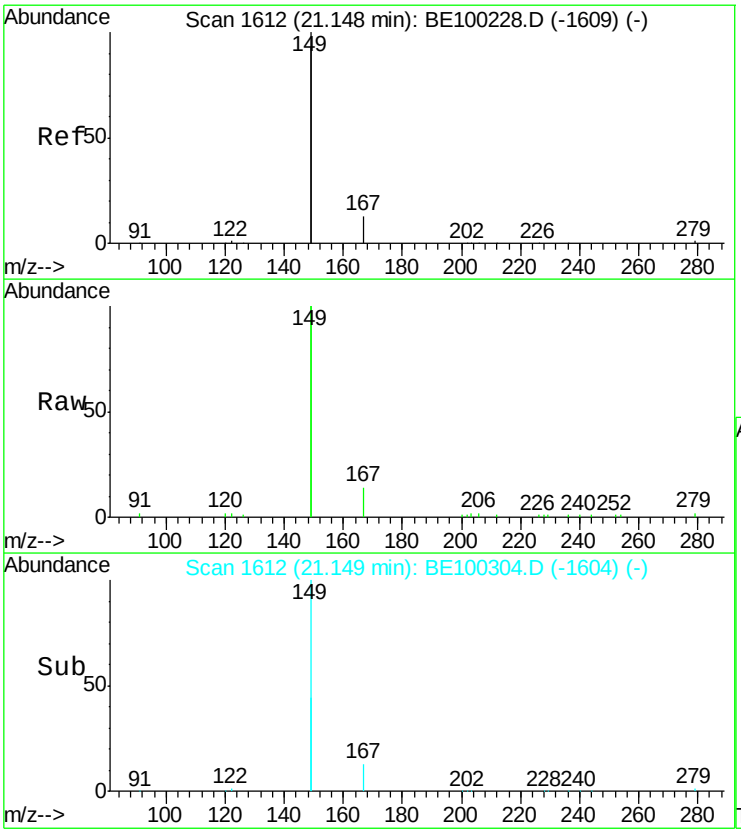
#31
Chrysene
Concen: 0.444 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 9120

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	19.9	16.5	24.7

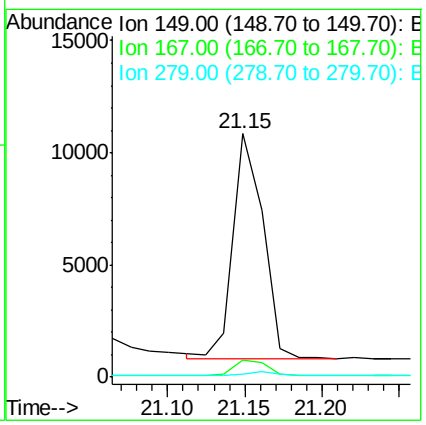


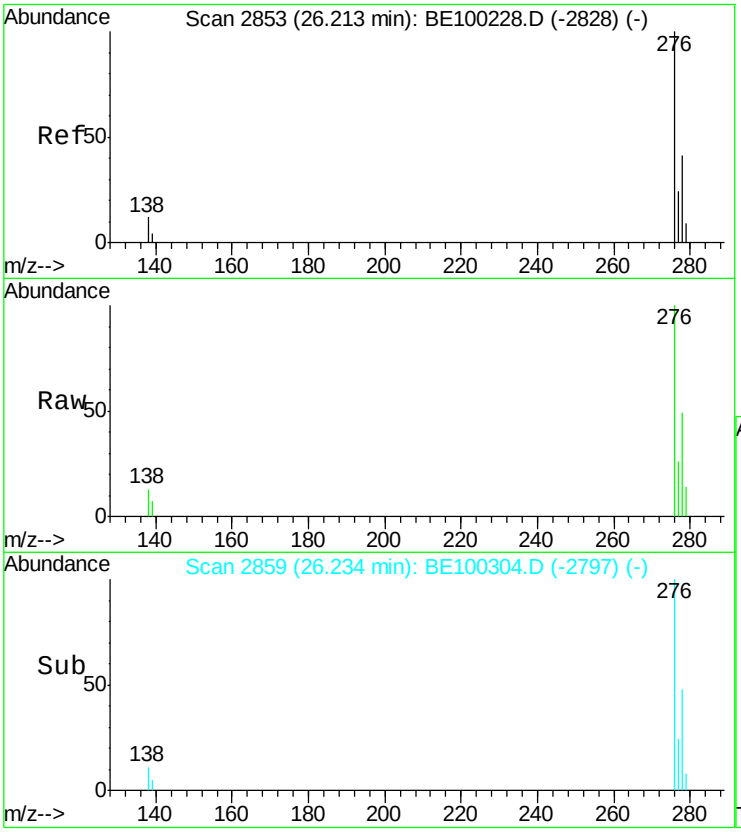


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.405 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:149 Resp: 13372

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.8	8.8
279	1.5	1.1	1.7



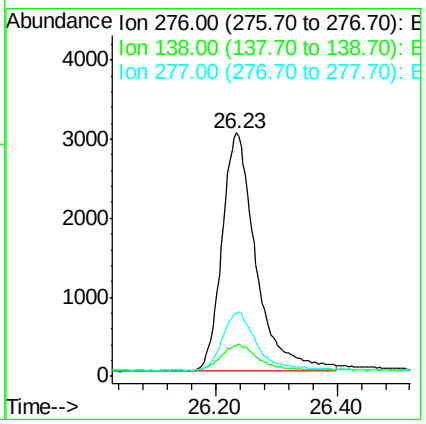


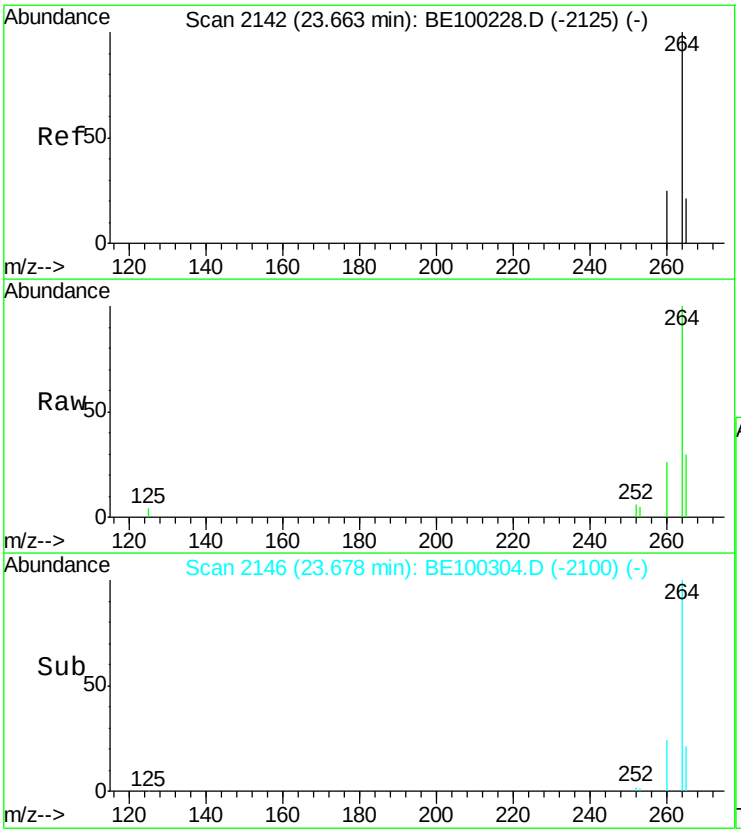
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng
RT: 26.23 min Scan# 2859
Delta R.T. 0.02 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11767

Ion	Ratio	Lower	Upper
276	100		
138	11.5	9.4	14.0
277	24.5	19.2	28.8

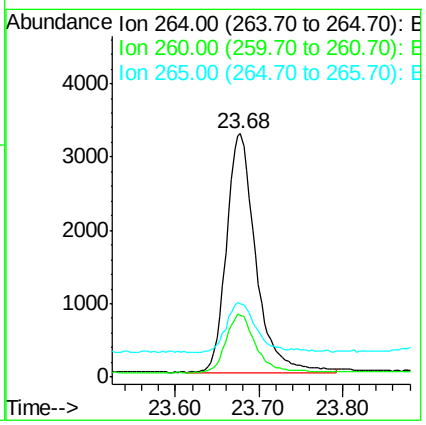


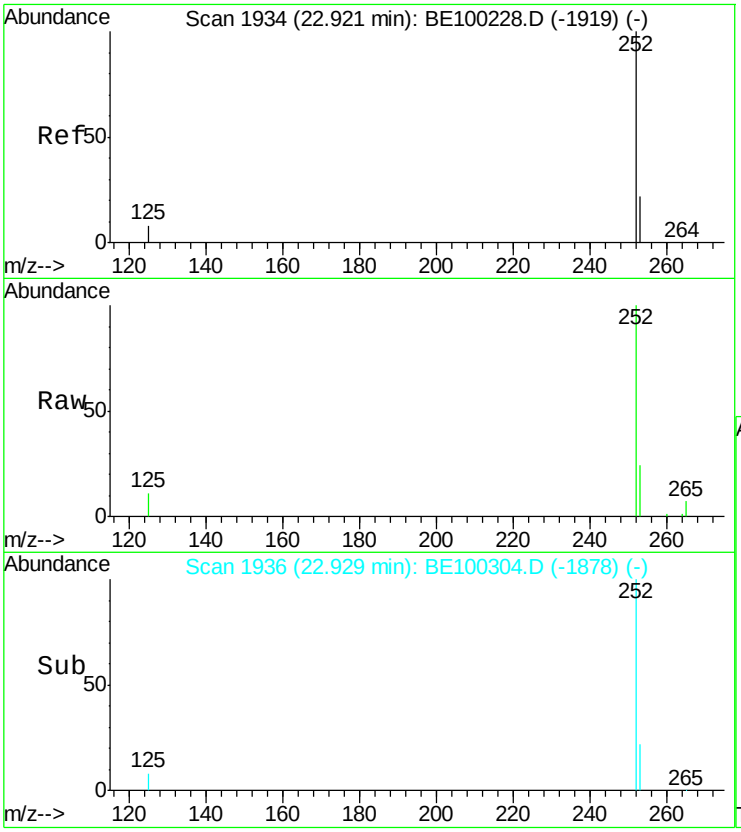


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:264 Resp: 7898

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.8	31.2
265	30.2	21.8	32.6



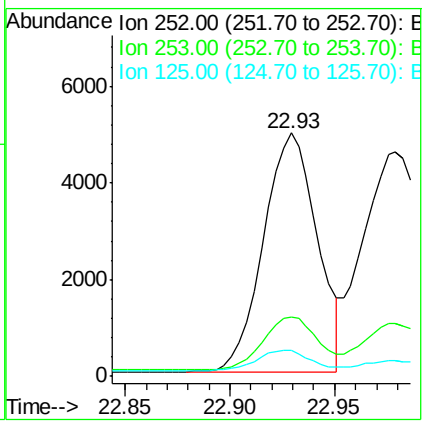


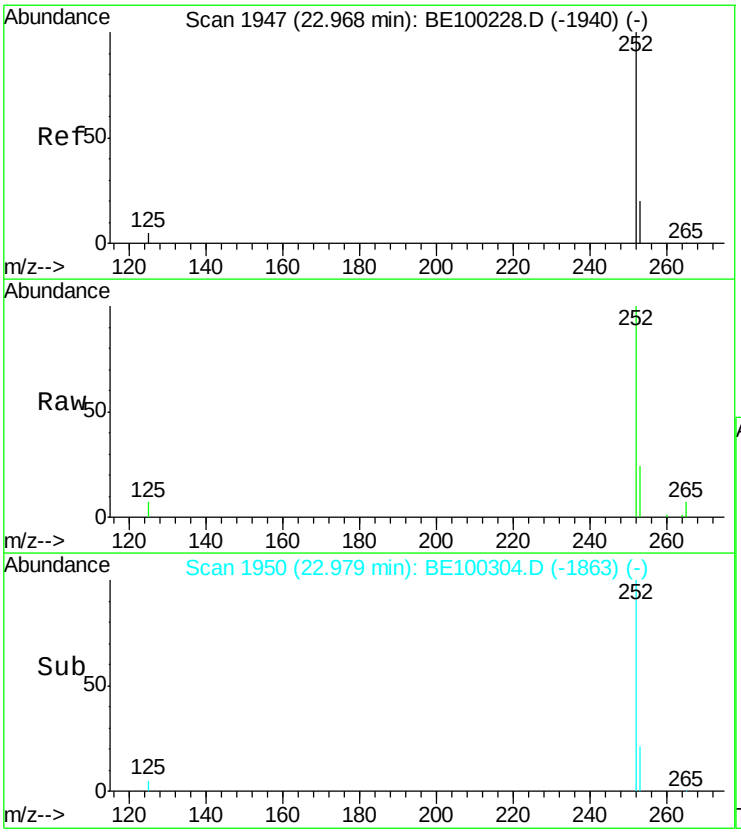
#35
Benzo(b)fluoranthene
Concen: 0.411 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8797

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.2	28.8
125	10.6	7.4	11.0

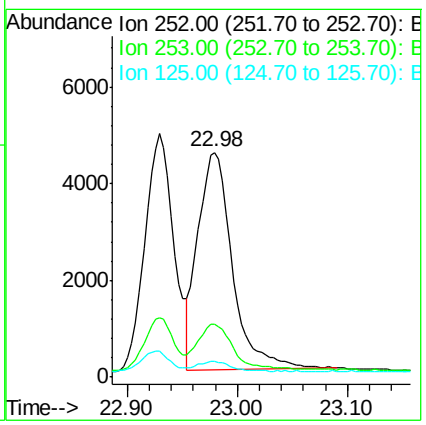


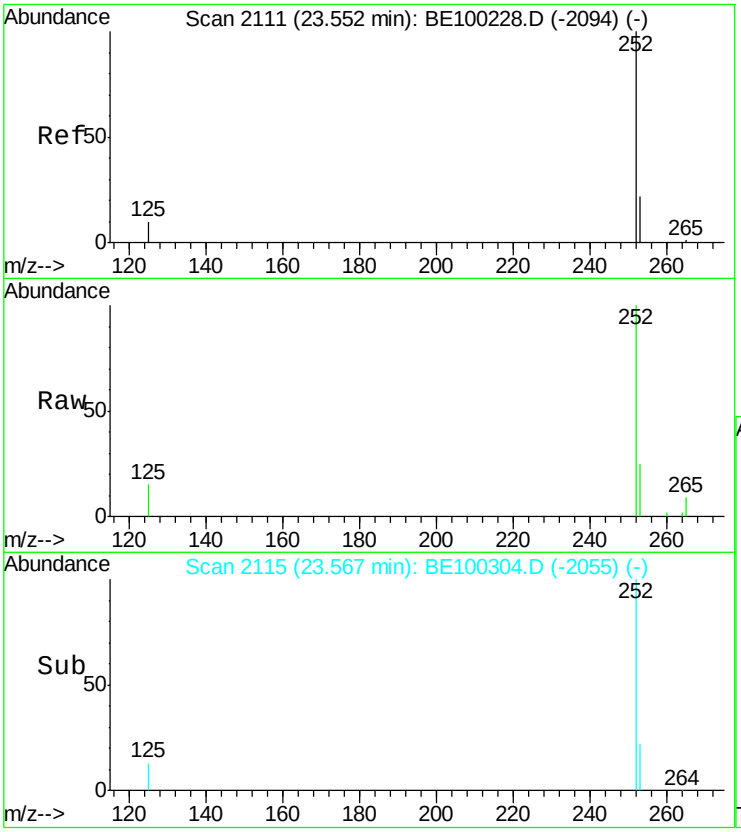


#36
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:252 Resp: 9857

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	7.1	5.0	7.4



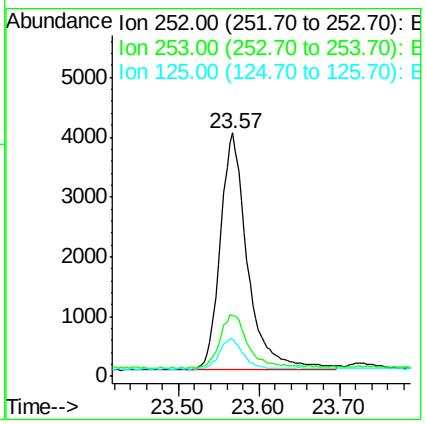


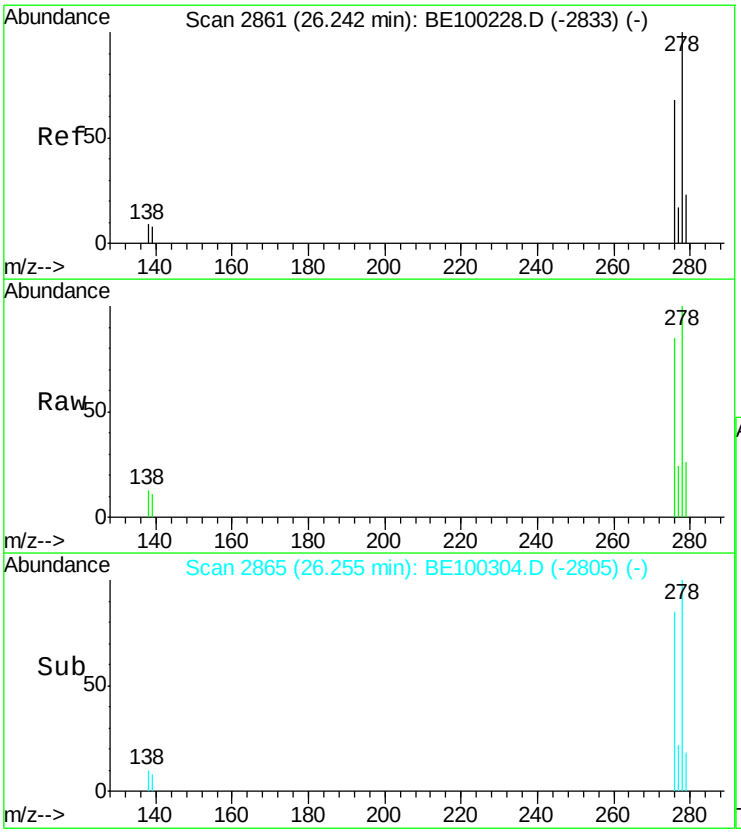
#37
Benzo(a)pyrene
Concen: 0.437 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9382

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.6	29.4
125	15.2	9.0	13.6#

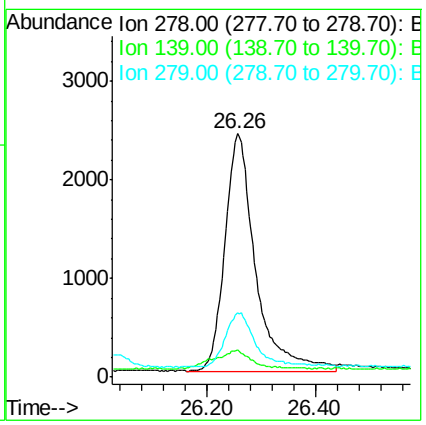


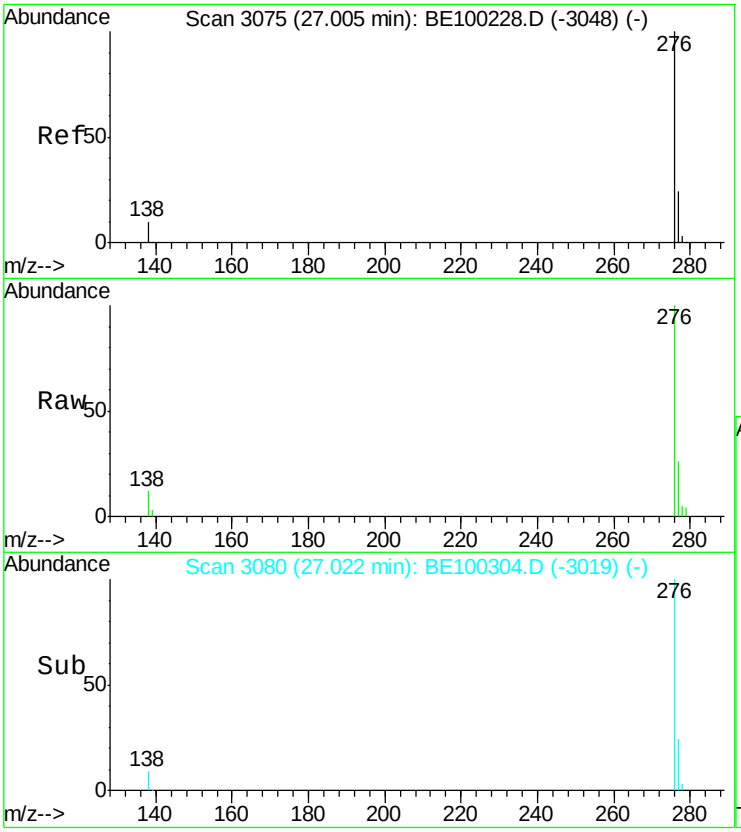


#38
Dibenzo(a,h)anthracene
Concen: 0.423 ng
RT: 26.26 min Scan# 2865
Delta R.T. 0.01 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Tgt Ion:278 Resp: 9491

Ion	Ratio	Lower	Upper
278	100		
139	11.0	8.2	12.2
279	26.4	20.3	30.5





#39
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100304.D
Acq: 2 Jul 2019 16:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9733

Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.2	30.2
138	11.9	9.0	13.6