Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062519\
Data File : BE100185.D
Acq On : 25 Jun 2019 18:32
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 26 03:21:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 15:40:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	498	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	1718	0.40	ng		0.00
13) Acenaphthene-d10	14.35	164	1198	0.40	ng		0.01
19) Phenanthrene-d10	17.09	188	3562	0.40	ng		0.00
27) Chrysene-d12	21.28	240	5574	0.40	ng		0.00
34) Perylene-d12	23.73	264	7898	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	448	0.40	ng		0.00
5) Phenol-d6	6.86	99	616	0.40	ng		0.00
8) Nitrobenzene-d5	8.85	82	630	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.08	152	1272	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	286	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	2053	0.43	ng		0.01
25) Fluoranthene-d10	19.13	212	21731	0.42	ng		0.00
29) Terphenyl-d14	19.74	244	4499	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	327	0.420	ng		94
3) n-Nitrosodimethylamine	3.49	42	95	0.329	ng	#	1
6) bis(2-Chloroethyl)ether	7.10	93	413	0.296	ng	#	74
9) Naphthalene	10.52	128	7642	0.408	ng		99
10) Hexachlorobutadiene	10.78	225	789	0.408	ng		98
12) 2-Methylnaphthalene	12.17	142	1192	0.395	ng		98
16) Acenaphthylene	14.07	152	2424	0.415	ng		99
17) Acenaphthene	14.41	154	1387	0.424	ng		98
18) Fluorene	15.39	166	2025	0.428	ng		98
20) 4-Bromophenyl-phenylether	16.29	248	944	0.427	ng		98
21) Hexachlorobenzene	16.40	284	1058	0.436	ng		98
22) Pentachlorophenol	16.79	266	255	0.584	ng		94
23) Phenanthrene	17.13	178	3662	0.434	ng		100
24) Anthracene	17.23	178	2958	0.415	ng		98
26) Fluoranthene	19.16	202	5897	0.430	ng		99
28) Pyrene	19.52	202	6025	0.422	ng		99
30) Benzo(a)anthracene	21.27	228	7025	0.427	ng		99
31) Chrysene	21.32	228	8169	0.424	ng		100
32) Bis(2-ethylhexyl)phthalate	21.18	149	7015	0.371	ng		100
33) Indeno(1,2,3-cd)pyrene	26.31	276	12747	0.465	ng		99
35) Benzo(b)fluoranthene	22.98	252	9201	0.433	ng		99
36) Benzo(k)fluoranthene	23.02	252	10228	0.402	ng		99
37) Benzo(a)pyrene	23.62	252	9560	0.434	ng		99
38) Dibenzo(a,h)anthracene	26.34	278	9860	0.419	ng		98
39) Benzo(g,h,i)perylene	27.10	276	10234	0.416	ng		99

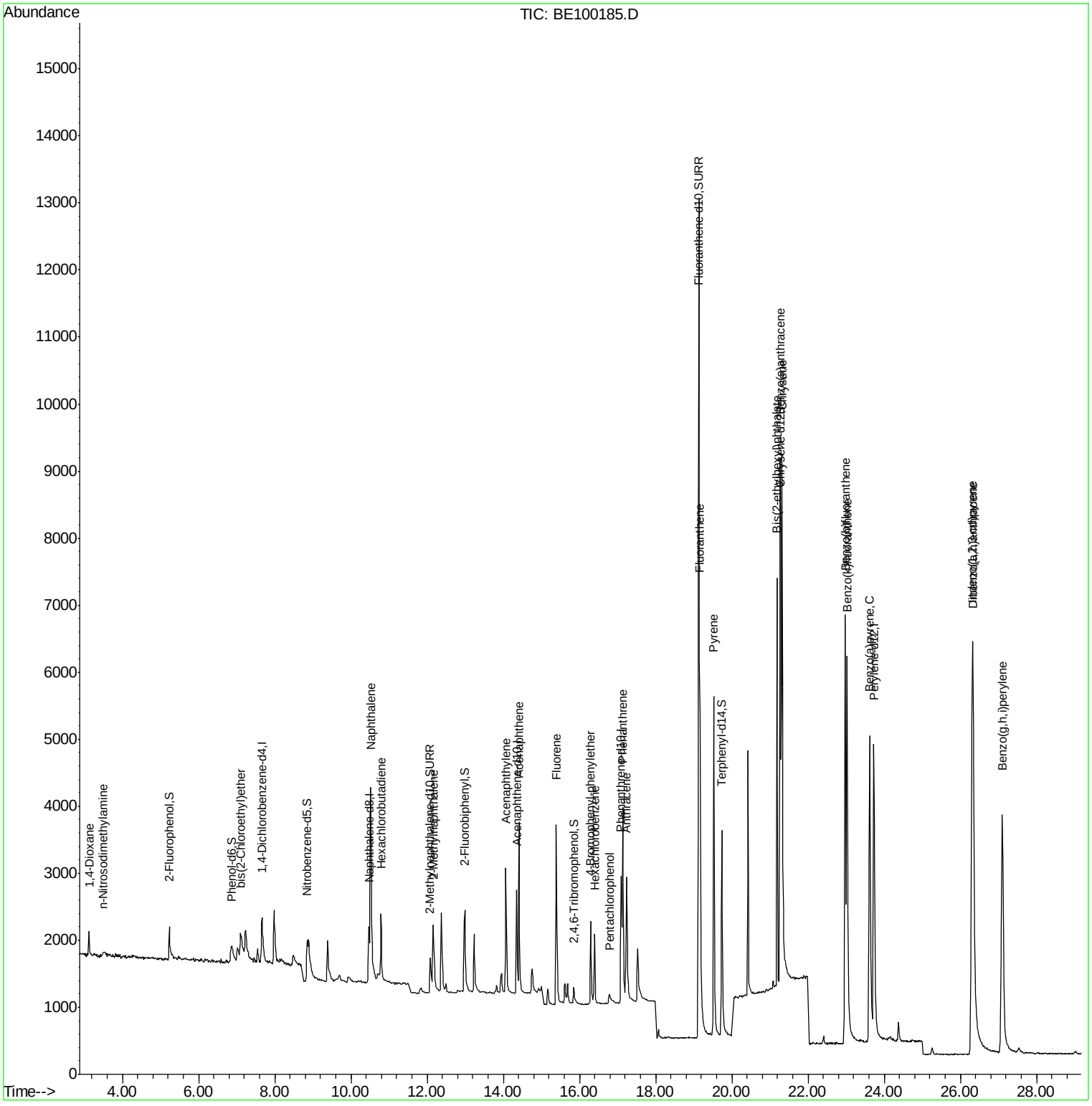
(#) = qualifier out of range (m) = manual integration (+) = signals summed

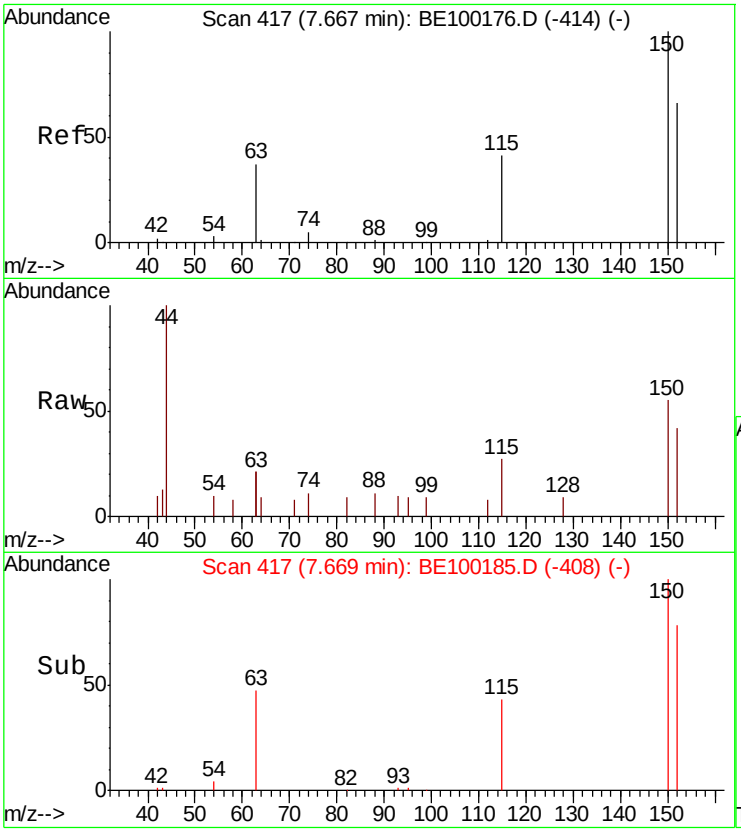
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062519\
Data File : BE100185.D
Acq On : 25 Jun 2019 18:32
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 26 03:21:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 15:40:27 2019
Response via : Initial Calibration



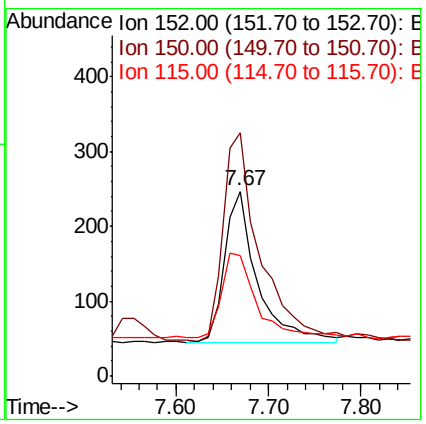


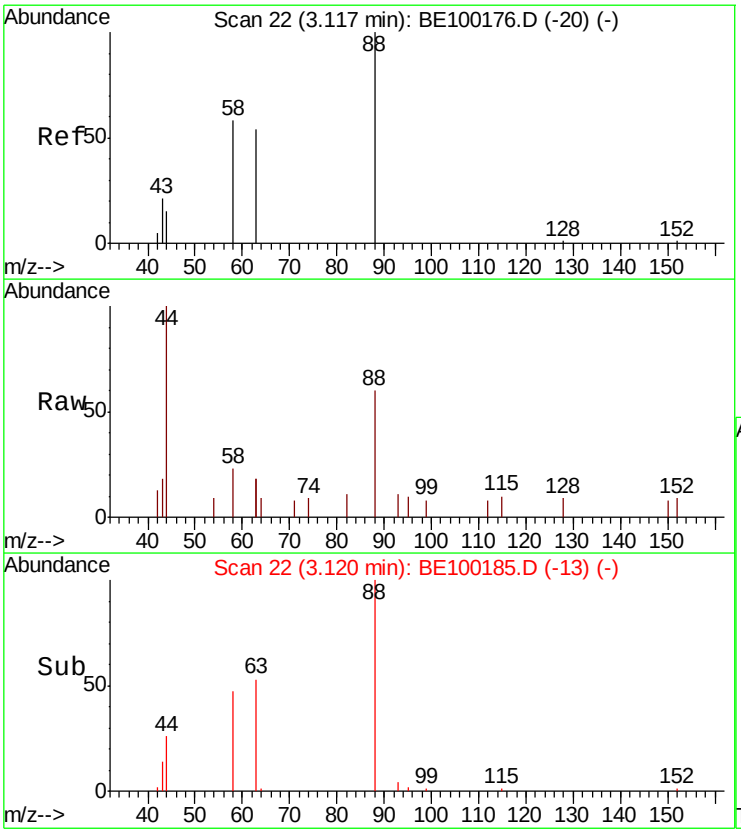
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 417
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 498

Ion	Ratio	Lower	Upper
152	100		
150	131.6	113.4	170.2
115	65.2	55.8	83.6

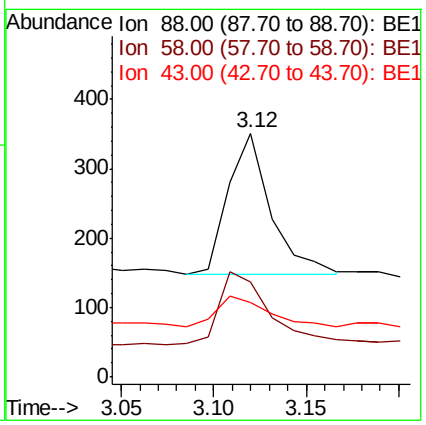


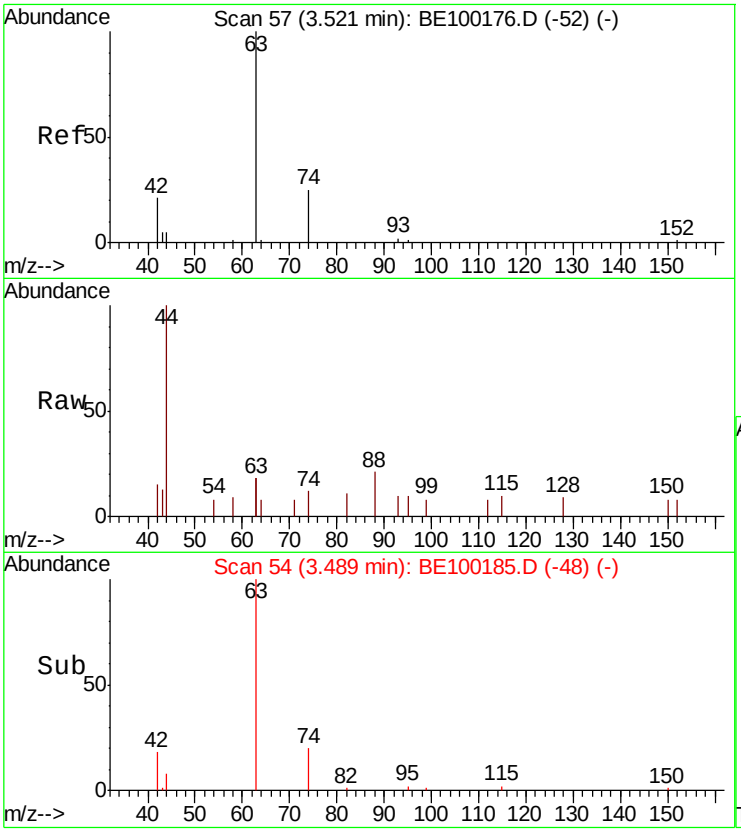


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion: 88 Resp: 327

Ion	Ratio	Lower	Upper
88	100		
58	60.9	43.8	65.6
43	24.8	19.4	29.2



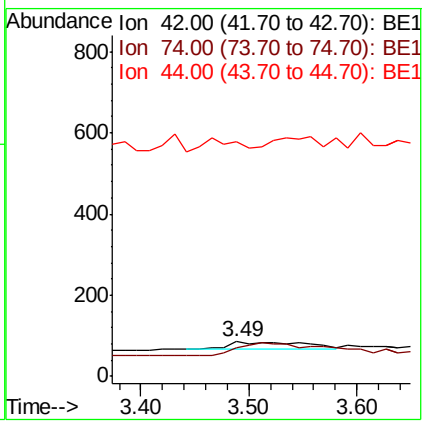


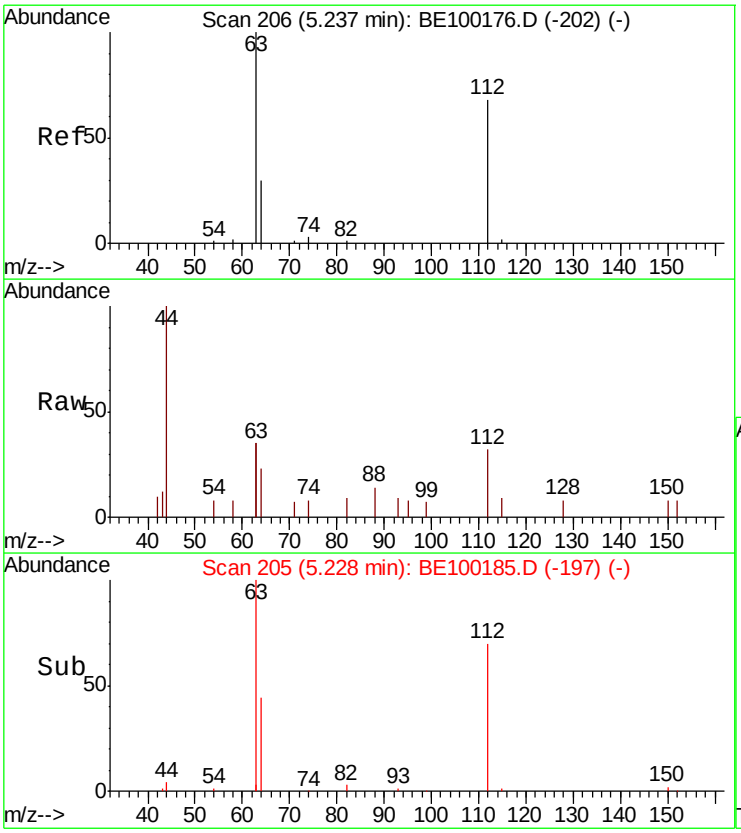
#3
n-Nitrosodimethylamine
Concen: 0.329 ng
RT: 3.49 min Scan# 54
Delta R.T. -0.03 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 95

Ion	Ratio	Lower	Upper
42	100		
74	0.0	193.2	289.8#
44	0.0	114.5	171.7#

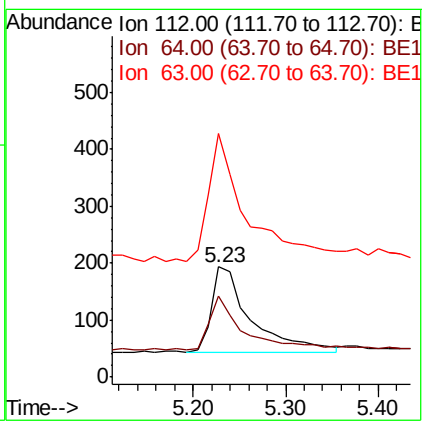


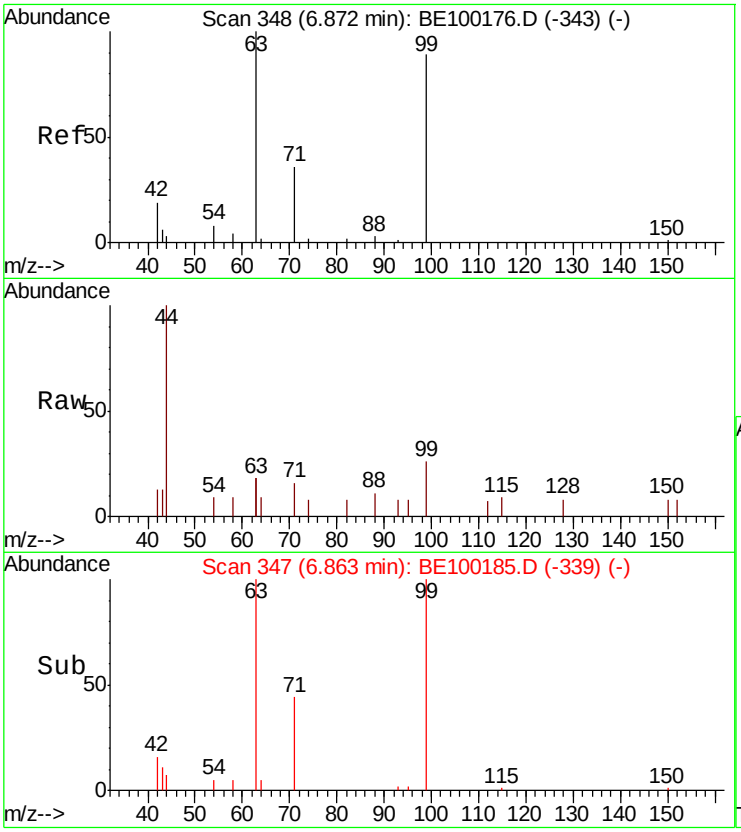


#4
2-Fluorophenol
Concen: 0.405 ng
RT: 5.23 min Scan# 205
Delta R.T. -0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:112 Resp: 448

Ion	Ratio	Lower	Upper
112	100		
64	58.7	40.7	61.1
63	146.0	93.2	139.8#



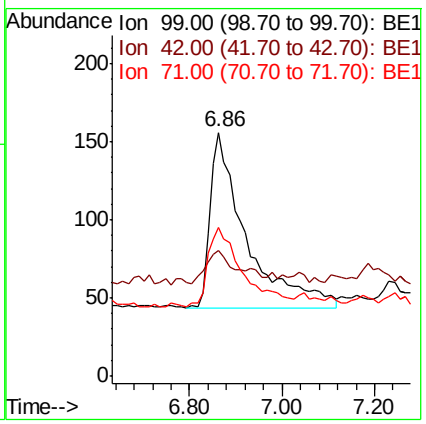


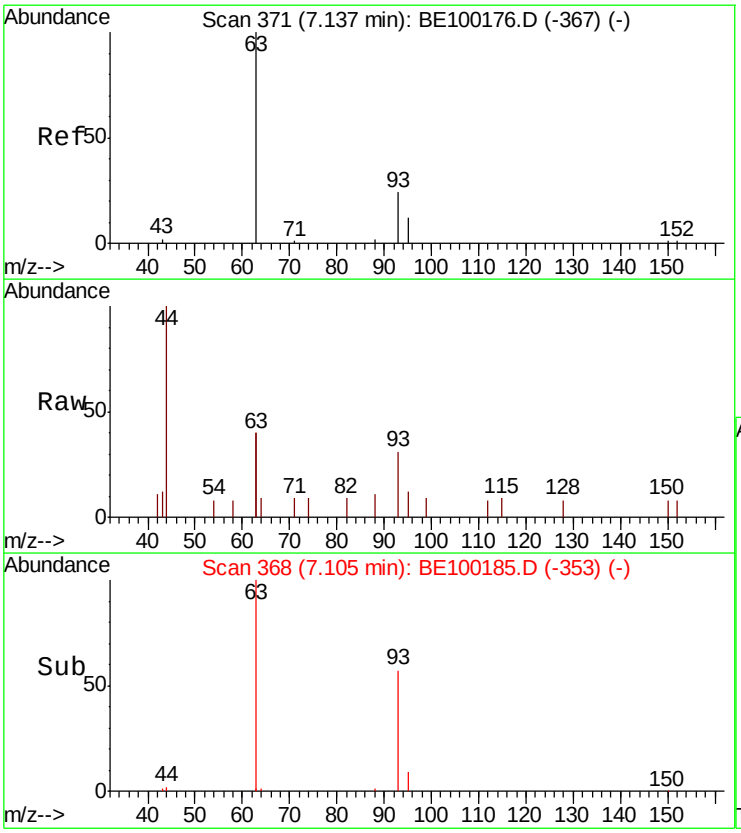
#5
Phenol-d6
Concen: 0.404 ng
RT: 6.86 min Scan# 347
Delta R.T. -0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 616

Ion	Ratio	Lower	Upper
99	100		
42	16.6	10.4	15.6#
71	43.8	32.4	48.6

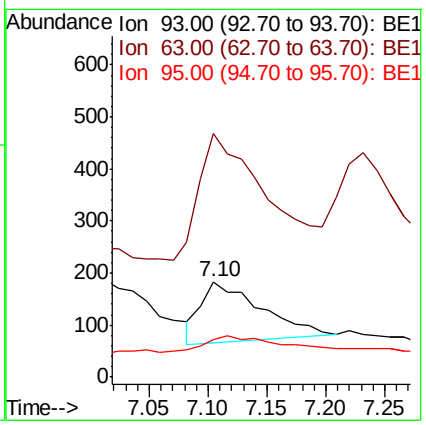


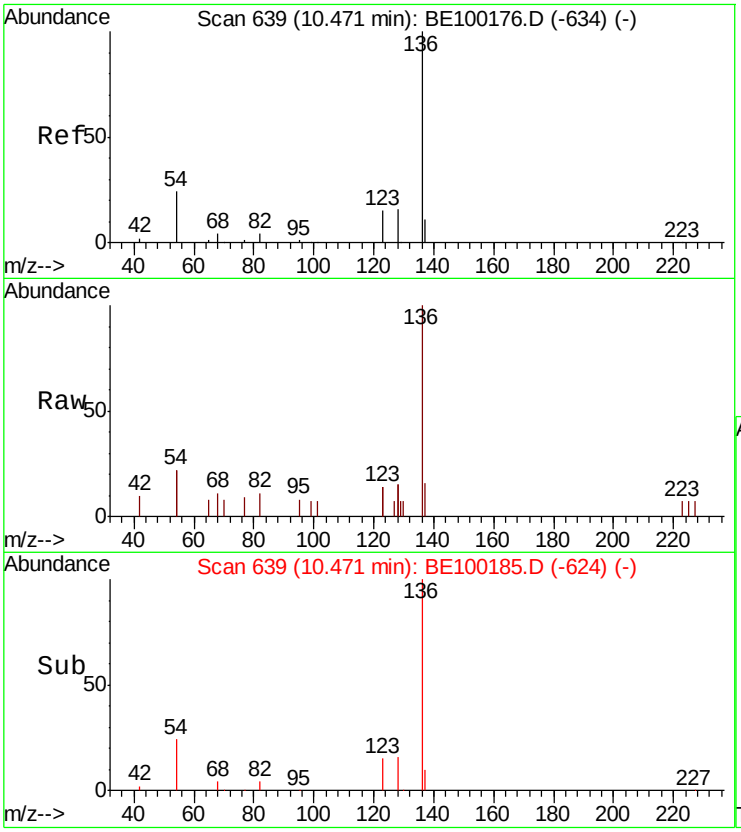


#6
bis(2-Chloroethyl)ether
Concen: 0.296 ng
RT: 7.10 min Scan# 368
Delta R.T. -0.03 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion: 93 Resp: 413

Ion	Ratio	Lower	Upper
93	100		
63	229.5	0.0	0.0#
95	39.5	21.0	31.6#



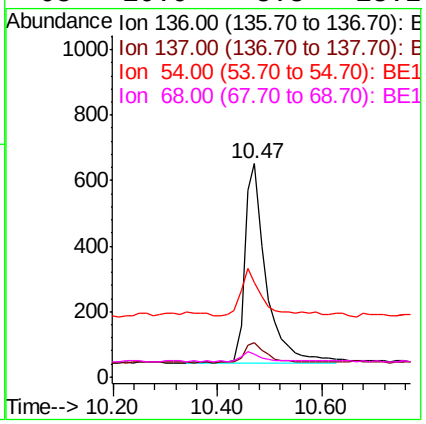


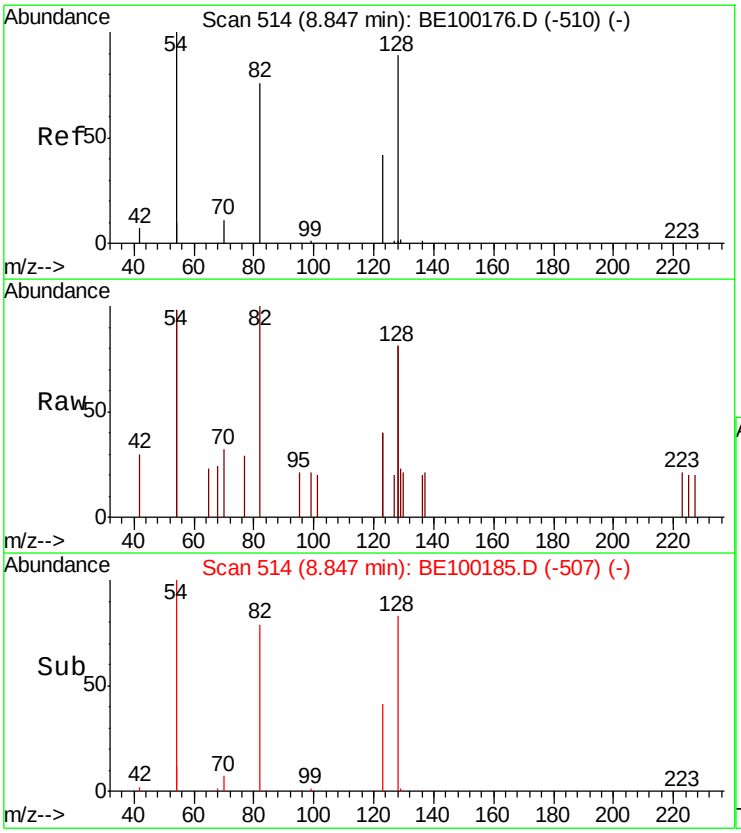
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 1718

Ion	Ratio	Lower	Upper
136	100		
137	16.3	13.8	20.8
54	44.5	35.4	53.2
68	10.9	8.8	13.2

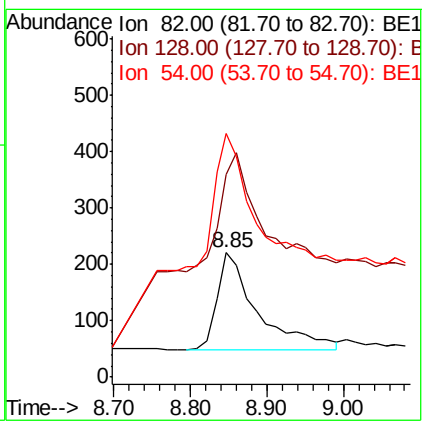


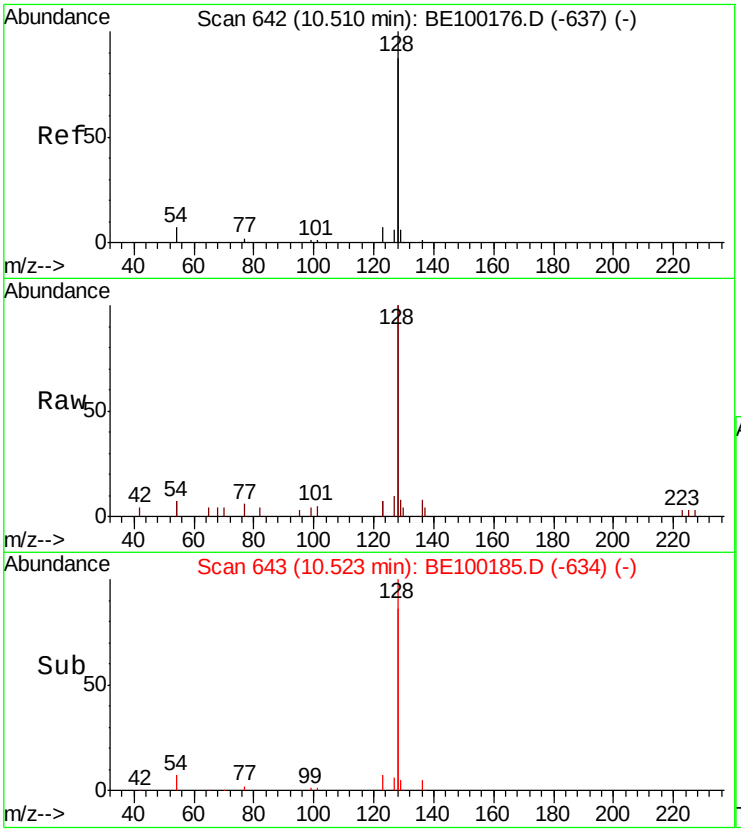


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.85 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion: 82 Resp: 630

Ion	Ratio	Lower	Upper
82	100		
128	162.9	144.6	217.0
54	195.5	163.0	244.6



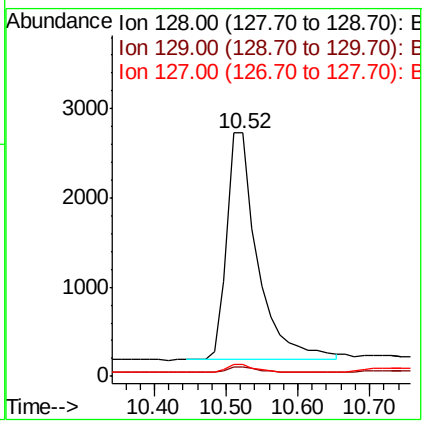


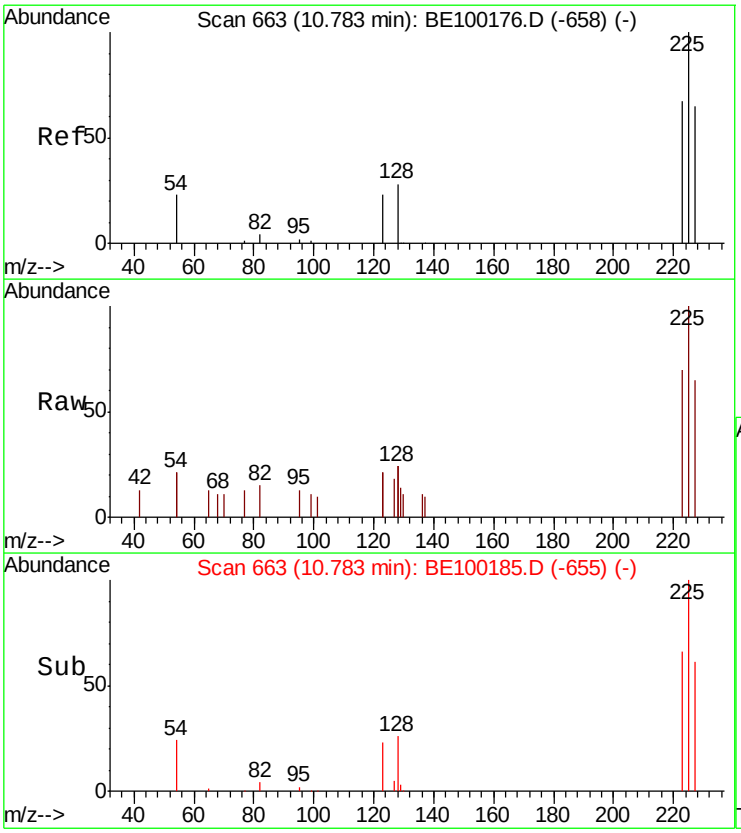
#9
Naphthalene
Concen: 0.408 ng
RT: 10.52 min Scan# 643
Delta R.T. 0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 7642

Ion	Ratio	Lower	Upper
128	100		
129	4.1	3.6	5.4
127	4.8	3.8	5.8

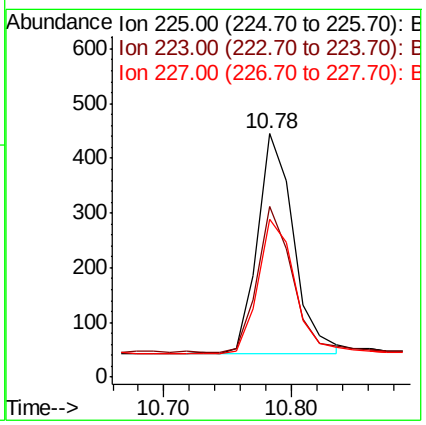


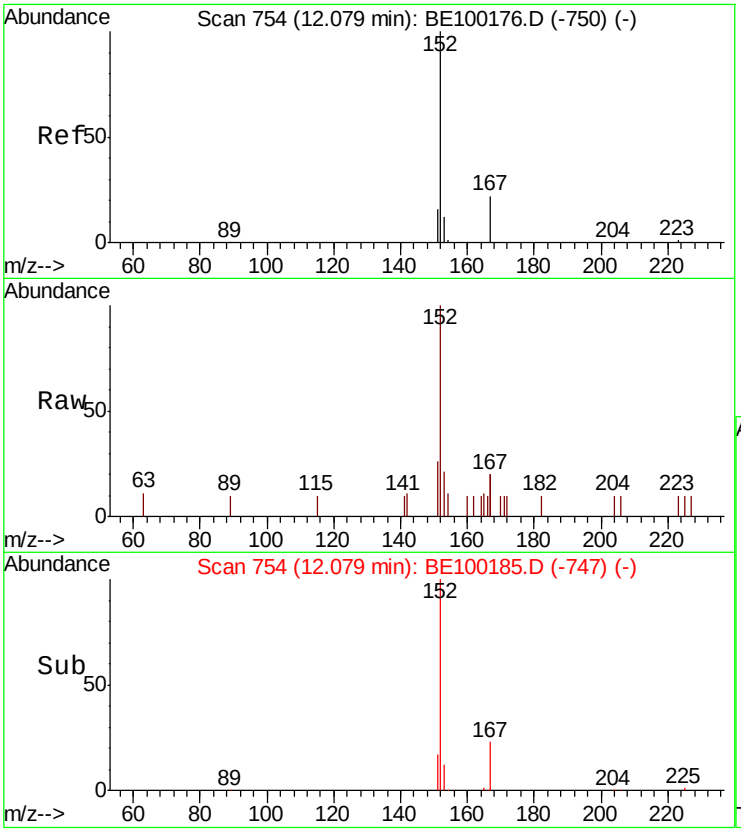


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.78 min Scan# 663
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:225 Resp: 789

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.1	75.1
227	62.0	50.9	76.3



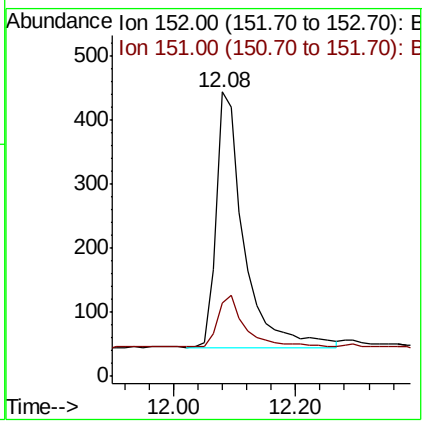


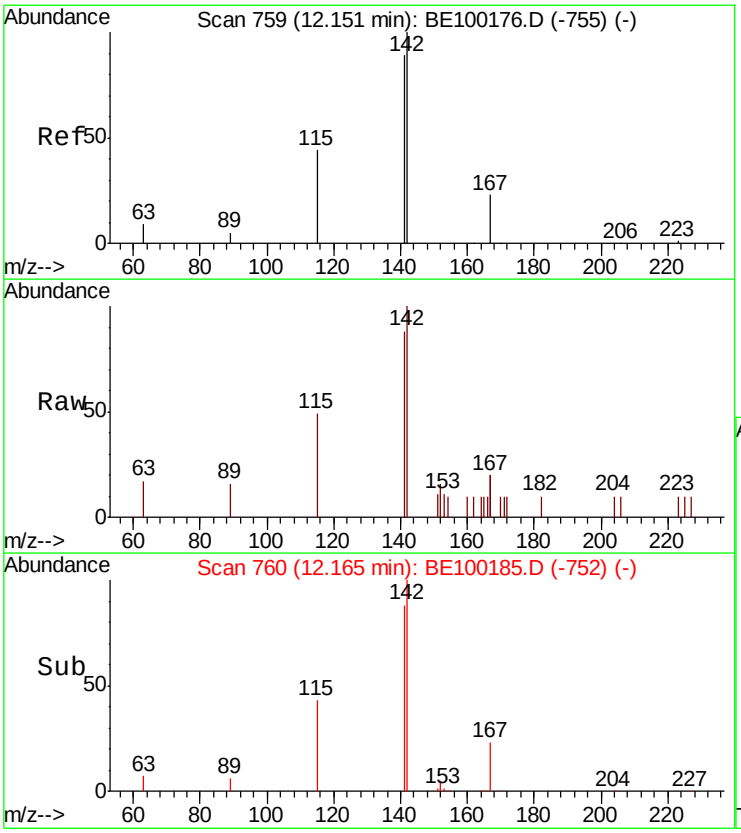
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.08 min Scan# 754
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1272

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5

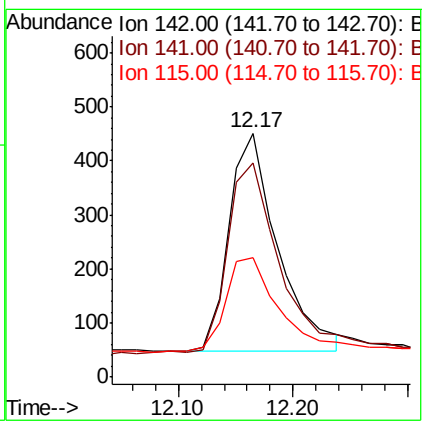


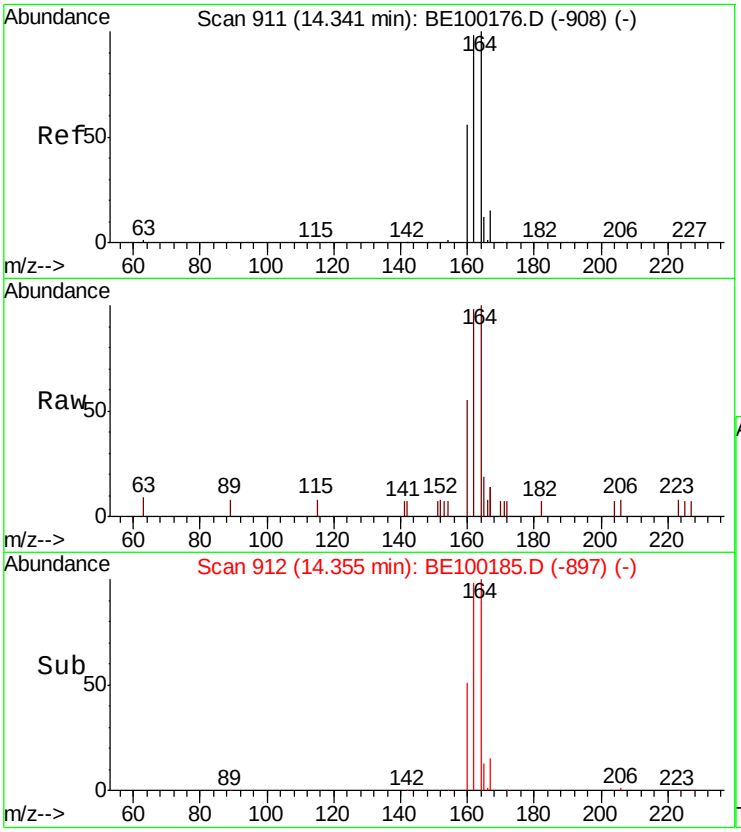


#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 12.17 min Scan# 760
Delta R.T. 0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:142 Resp: 1192

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.8	107.8
115	48.8	40.4	60.6



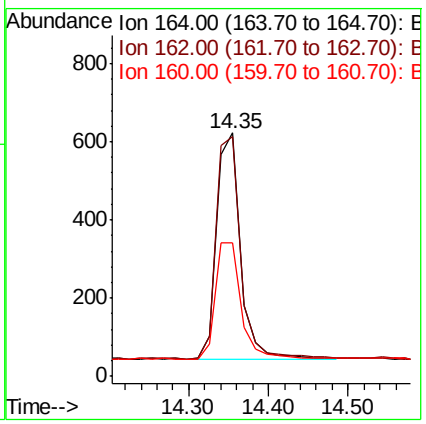


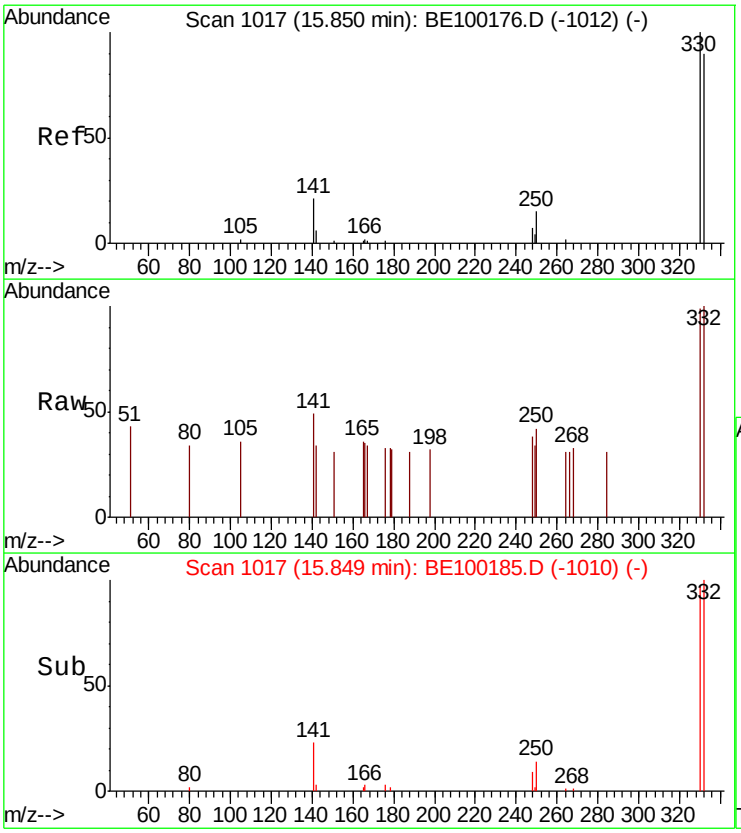
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 912
Delta R.T. 0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 1198

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	118.0
160	54.6	46.9	70.3

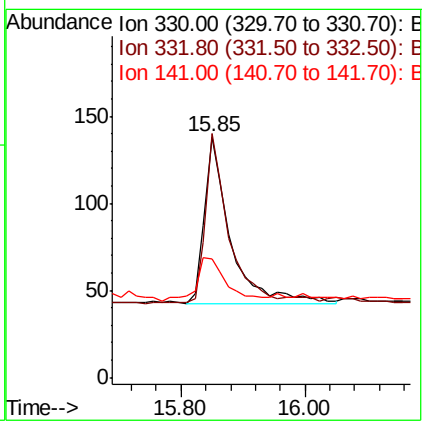


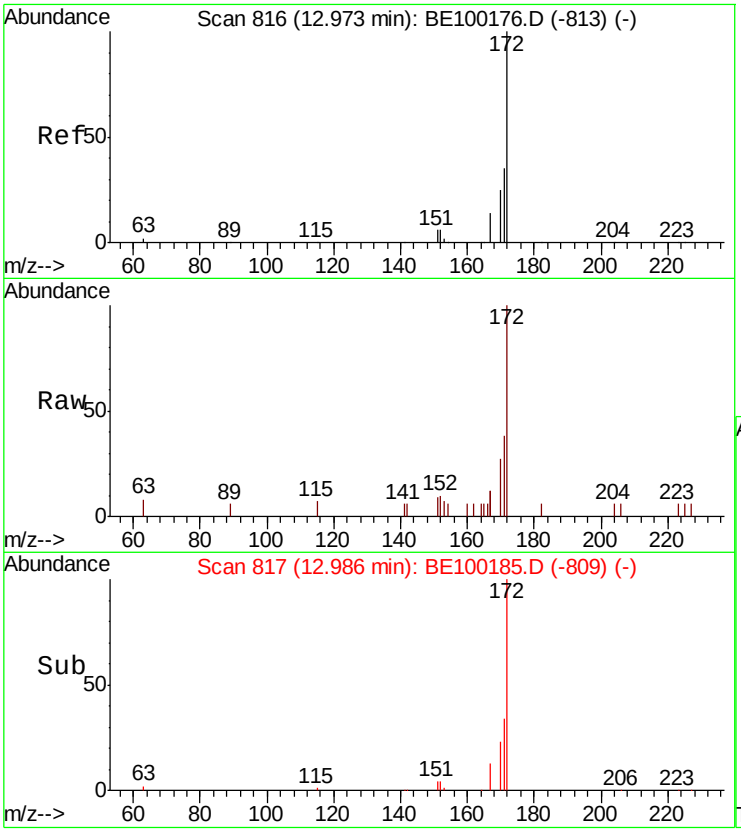


#14
2,4,6-Tribromophenol
Concen: 0.412 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:330 Resp: 286

Ion	Ratio	Lower	Upper
330	100		
332	85.3	77.7	116.5
141	21.7	18.9	28.3



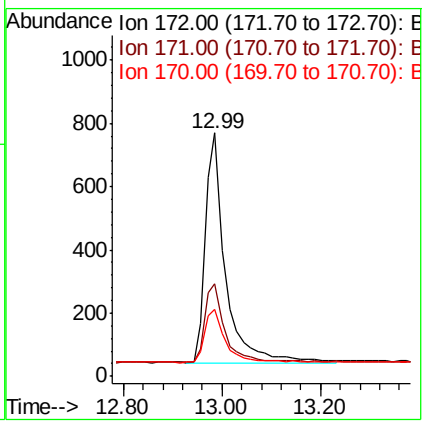


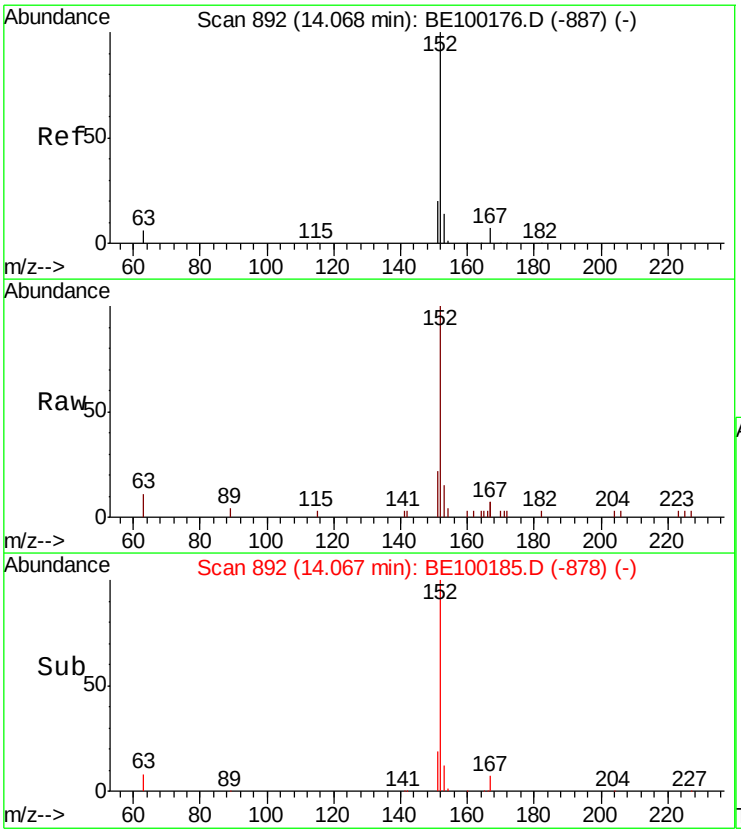
#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.01 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 2053

Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	27.4	23.9	35.9

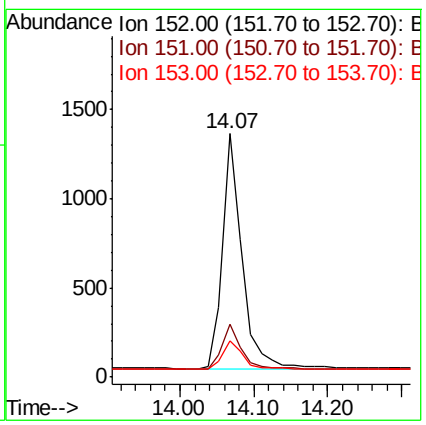


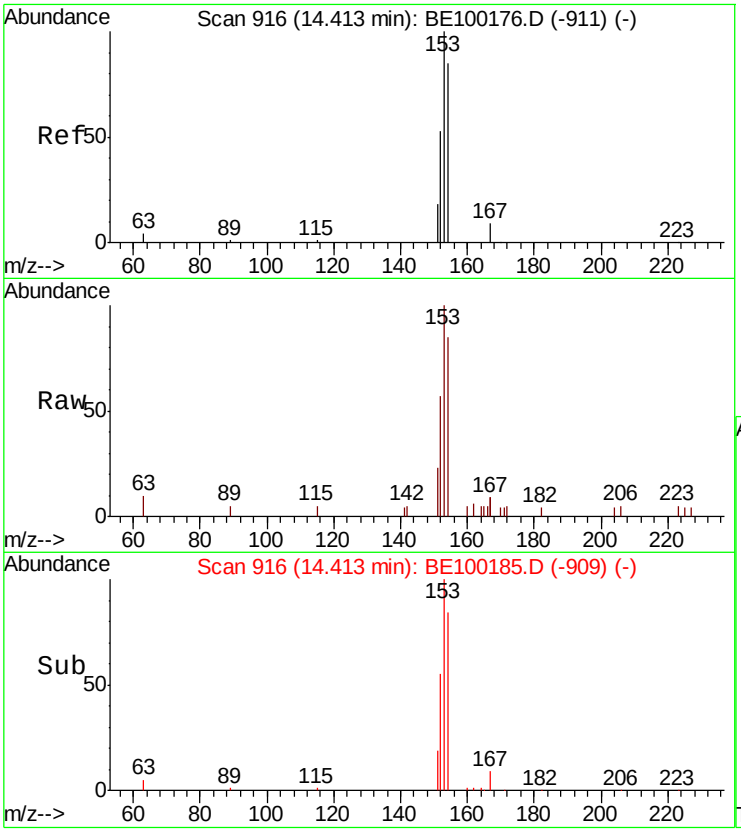


#16
Acenaphthylene
Concen: 0.415 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:152 Resp: 2424

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0
153	13.2	10.8	16.2



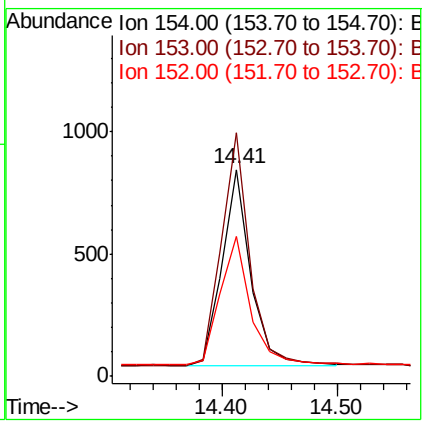


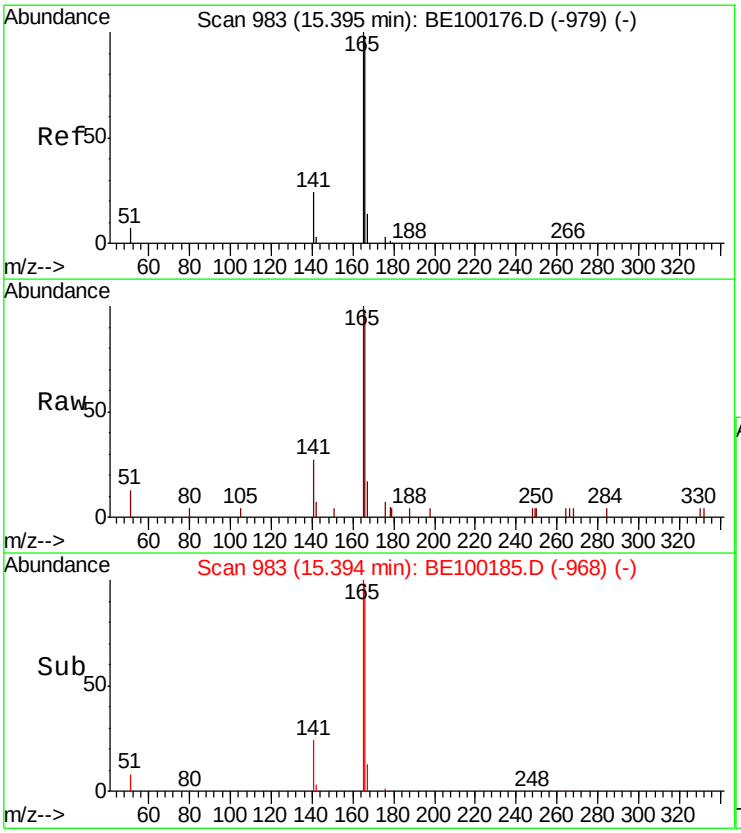
#17
Acenaphthene
Concen: 0.424 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 1387

Ion	Ratio	Lower	Upper
154	100		
153	118.2	95.3	142.9
152	68.9	52.9	79.3

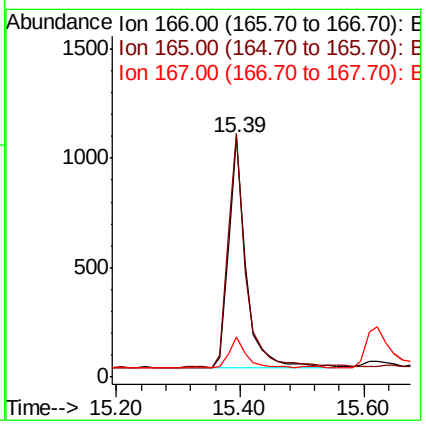


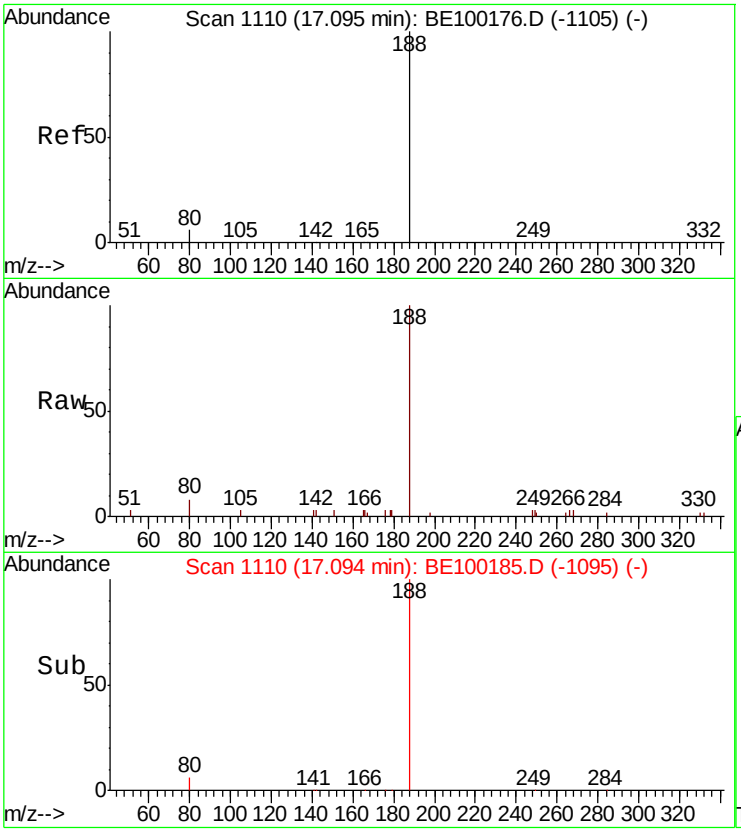


#18
Fluorene
Concen: 0.428 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:166 Resp: 2025

Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.0	121.4
167	12.6	11.4	17.0



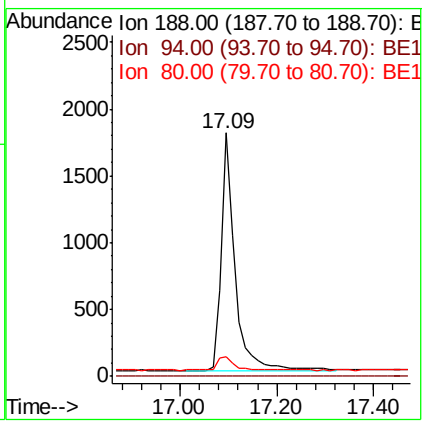


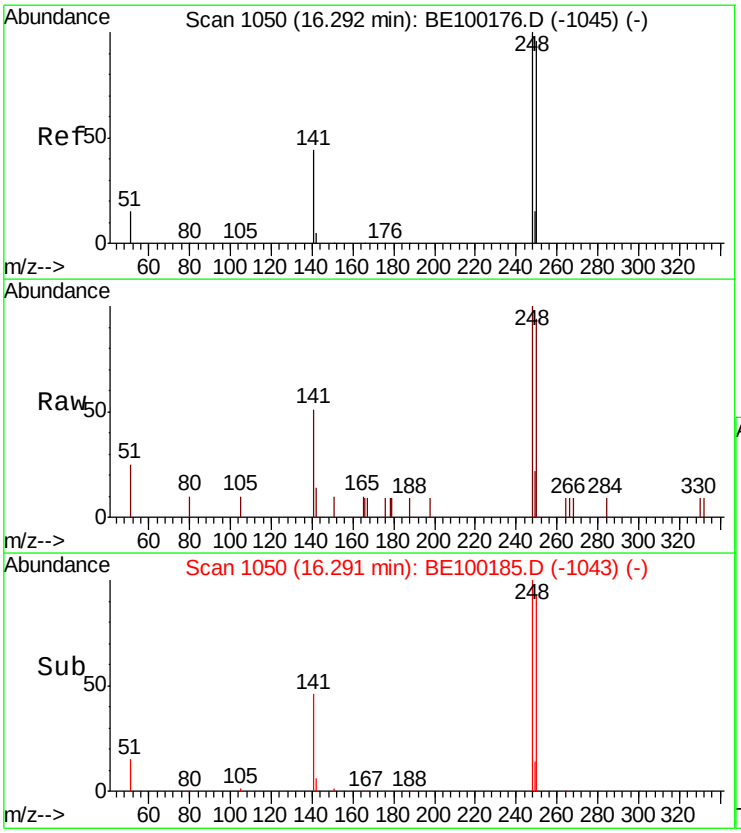
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 3562

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.4	9.6

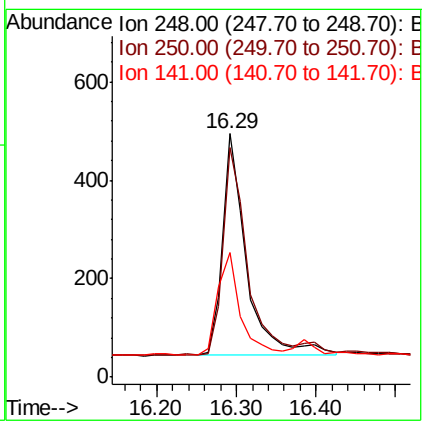


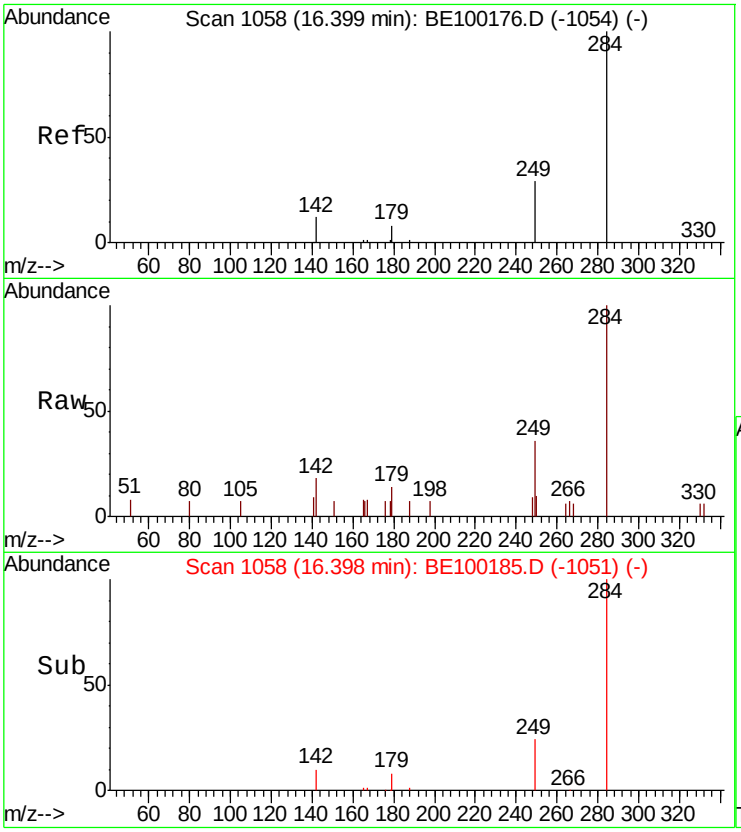


#20
4-Bromophenyl-phenylether
Concen: 0.427 ng
RT: 16.29 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:248 Resp: 944

Ion	Ratio	Lower	Upper
248	100		
250	94.1	77.1	115.7
141	51.3	39.5	59.3



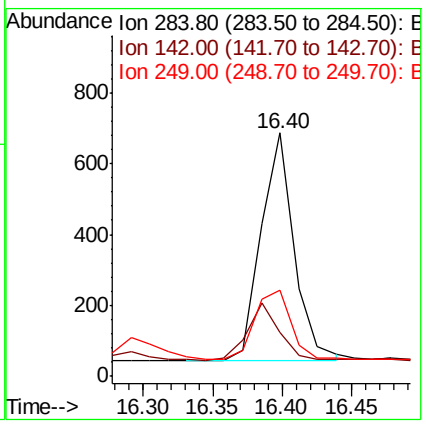


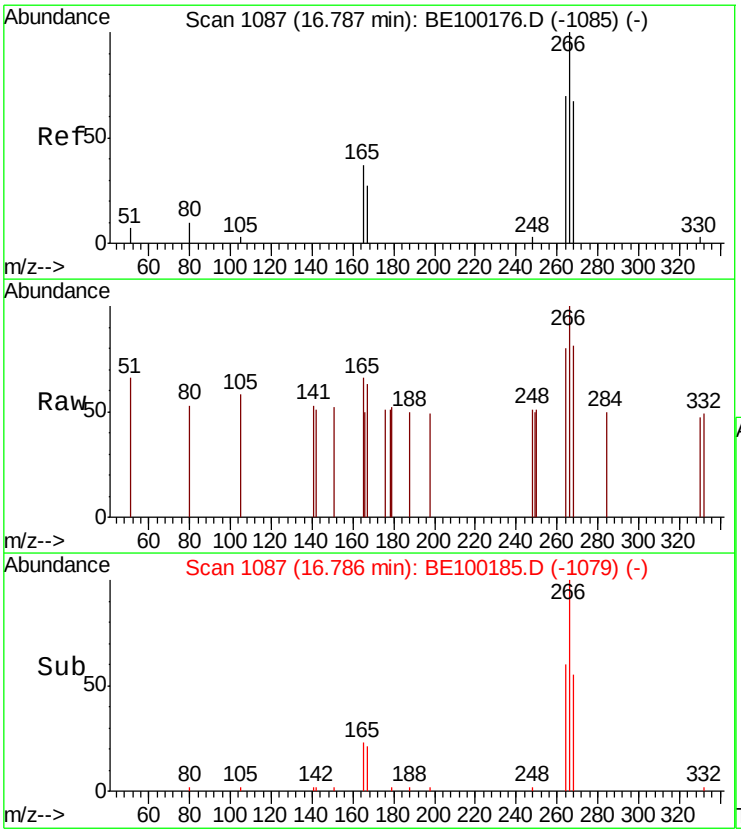
#21
Hexachlorobenzene
Concen: 0.436 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1058

Ion	Ratio	Lower	Upper
284	100		
142	24.1	20.1	30.1
249	33.5	26.2	39.4

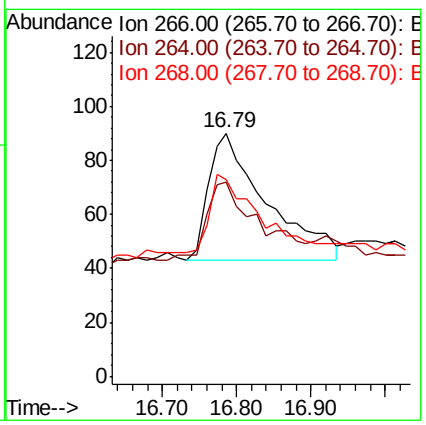


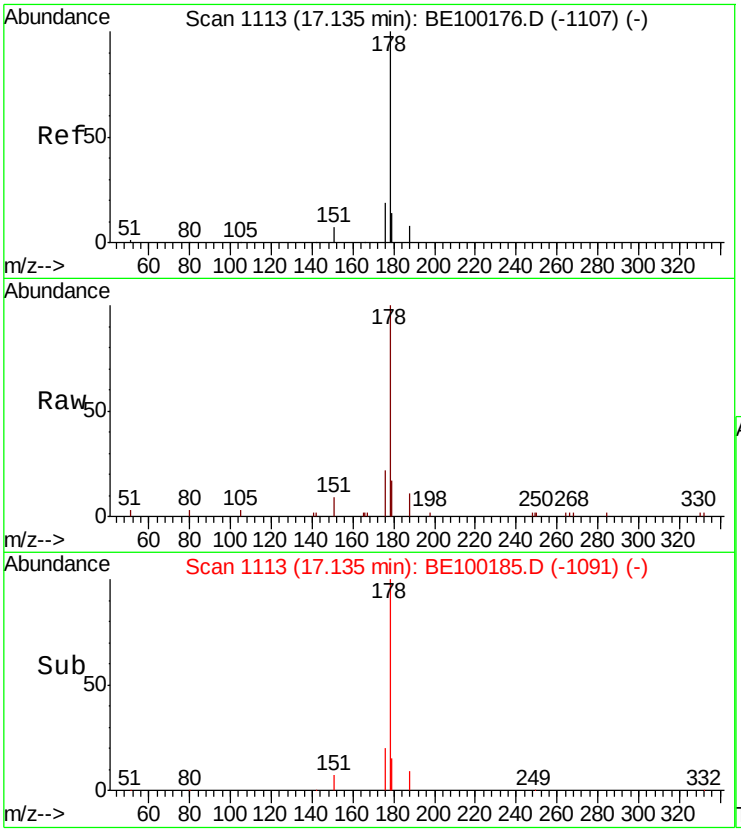


#22
Pentachlorophenol
Concen: 0.584 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:266 Resp: 255

Ion	Ratio	Lower	Upper
266	100		
264	80.0	67.7	101.5
268	81.1	69.8	104.6



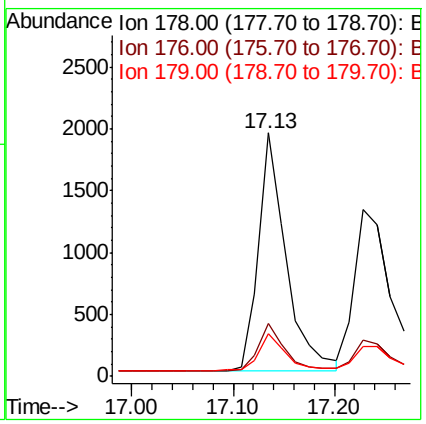


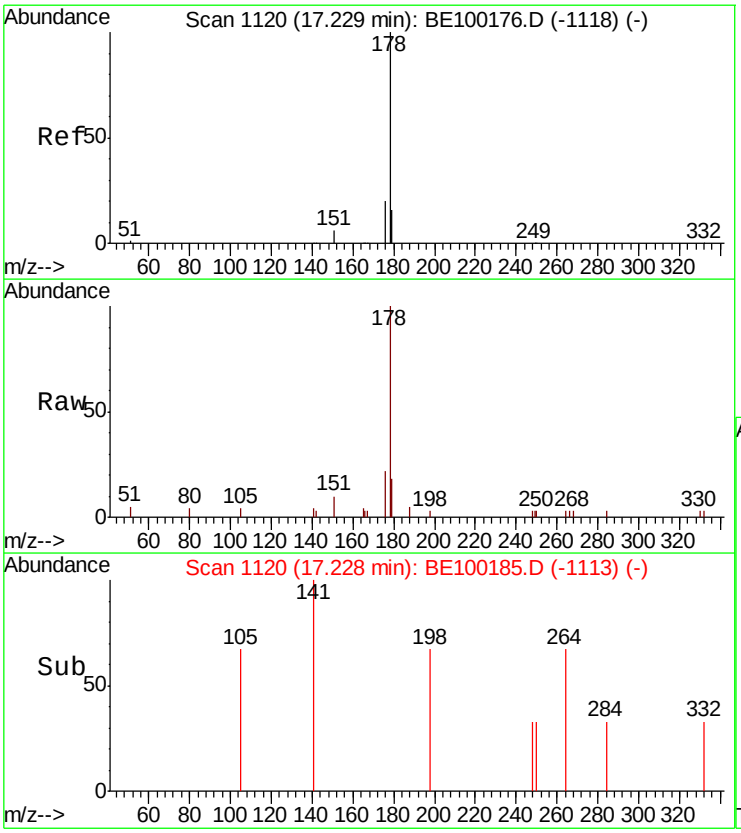
#23
Phenanthrene
Concen: 0.434 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 3662

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.4	12.2	18.2

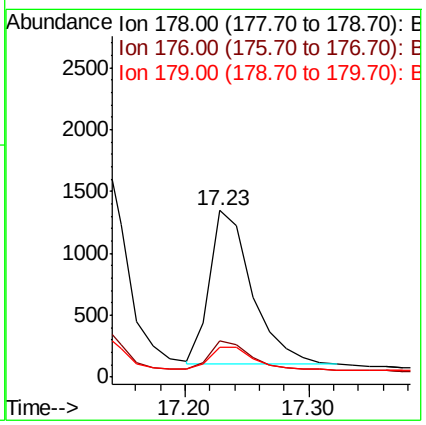


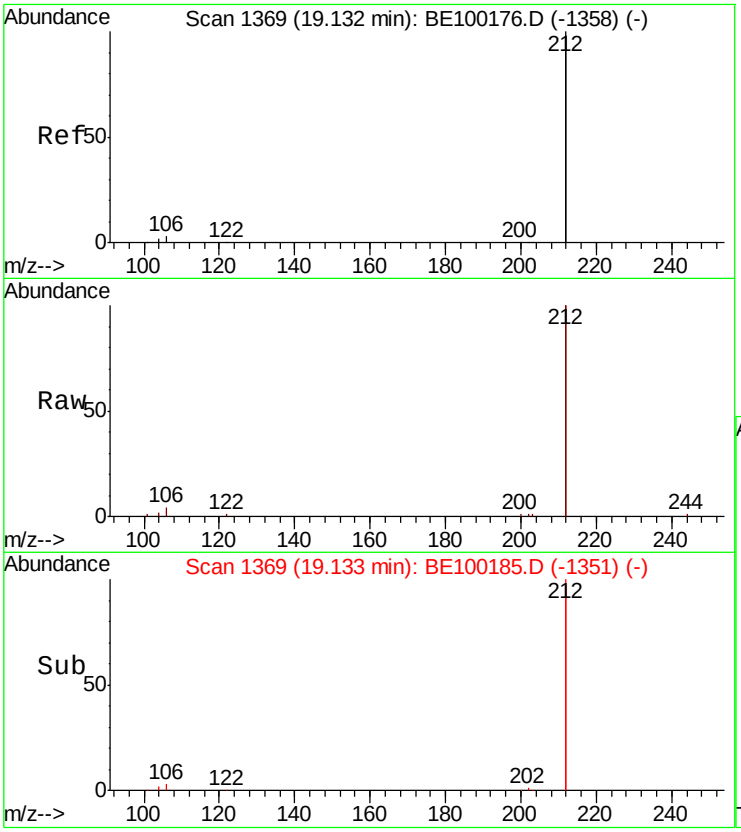


#24
Anthracene
Concen: 0.415 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:178 Resp: 2958

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.4	12.9	19.3



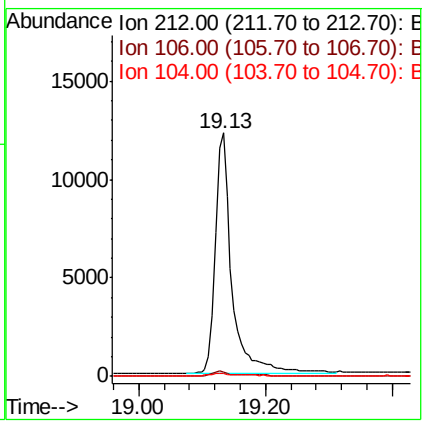


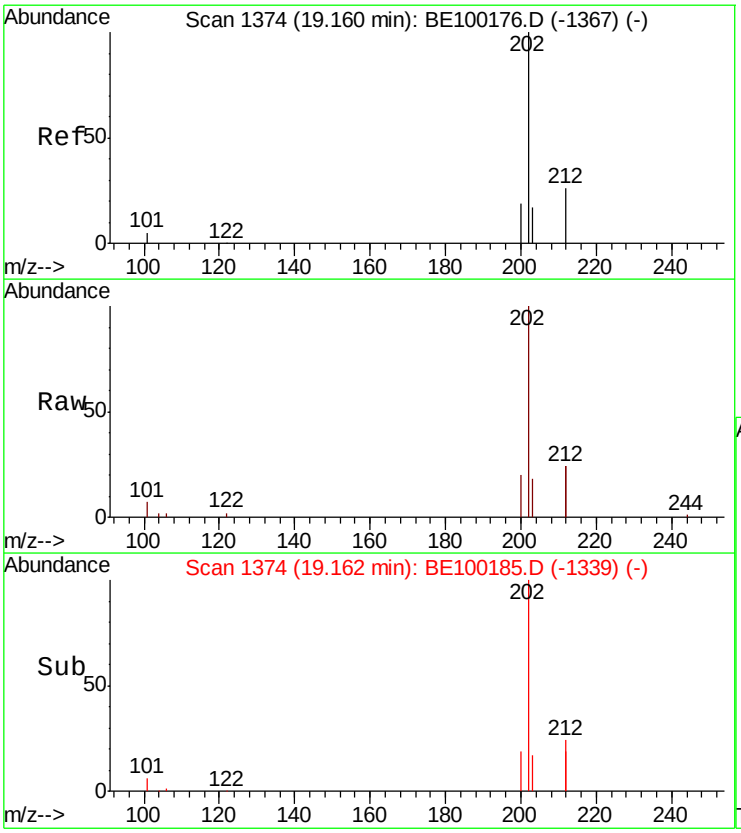
#25
Fluoranthene-d10
Concen: 0.423 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 21731

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.7	1.1

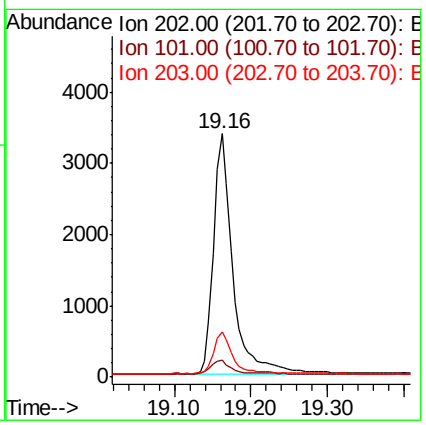


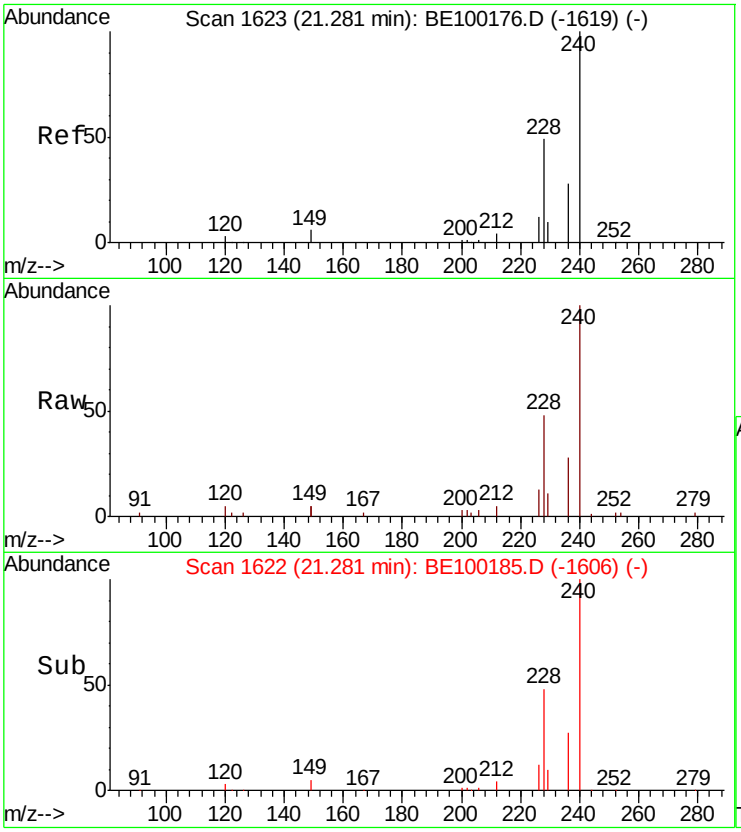


#26
Fluoranthene
Concen: 0.430 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:202 Resp: 5897

Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.5	6.7
203	16.7	13.7	20.5



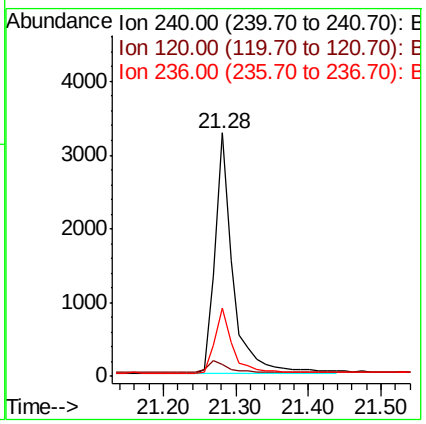


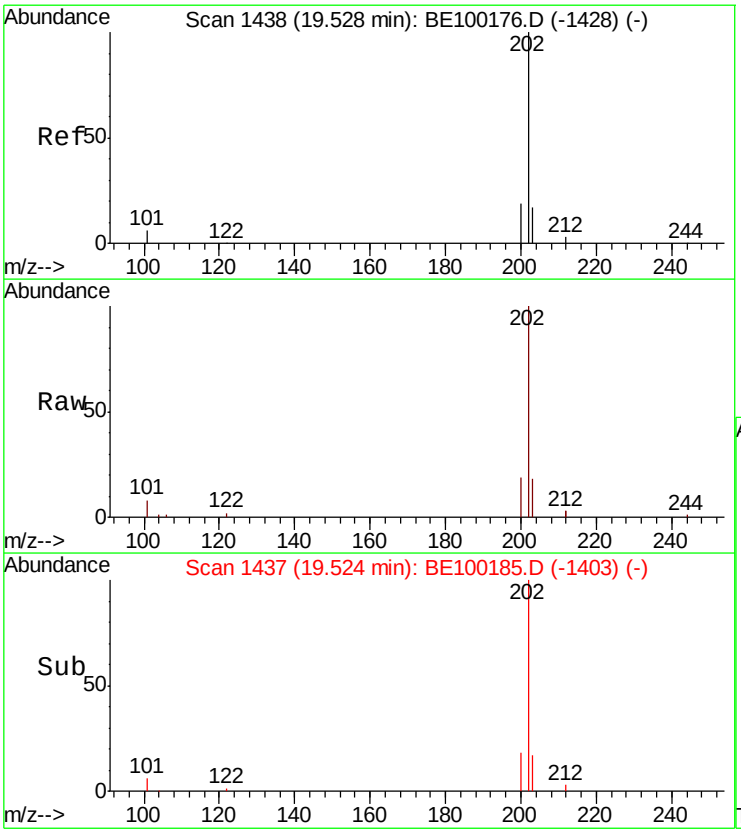
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 5574

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.1	6.1
236	28.3	23.0	34.6

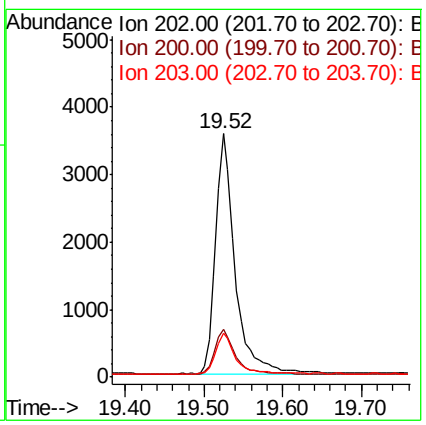


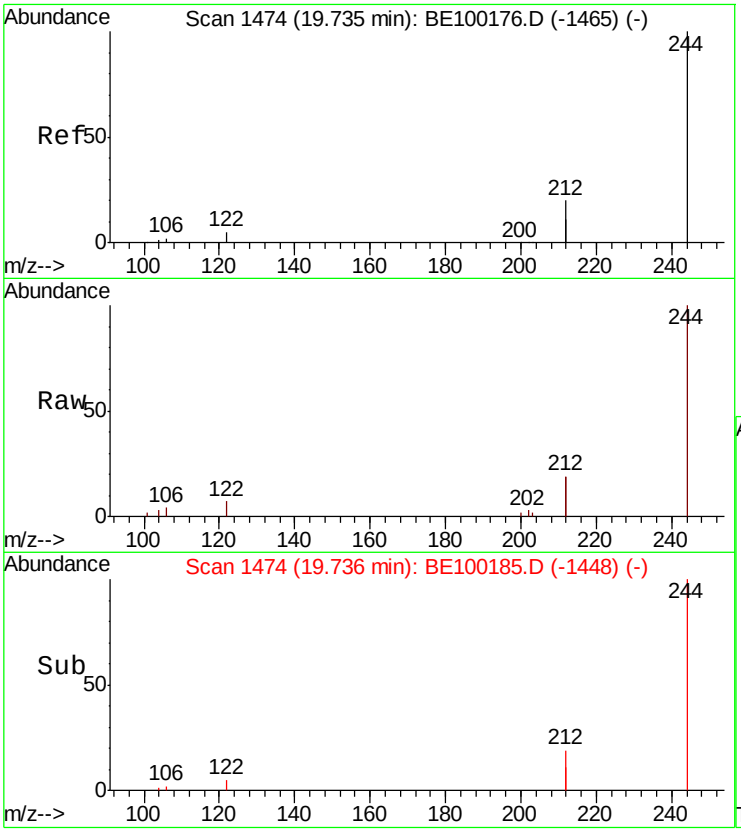


#28
Pyrene
Concen: 0.422 ng
RT: 19.52 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:202 Resp: 6025

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.5	23.3
203	17.0	13.9	20.9



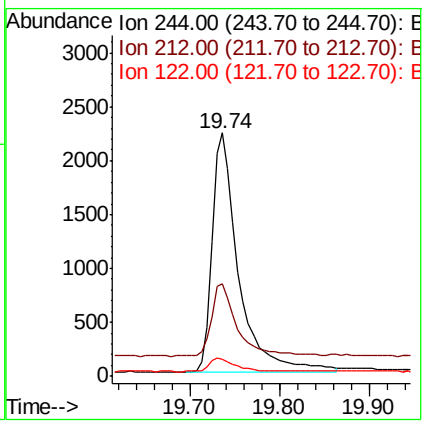


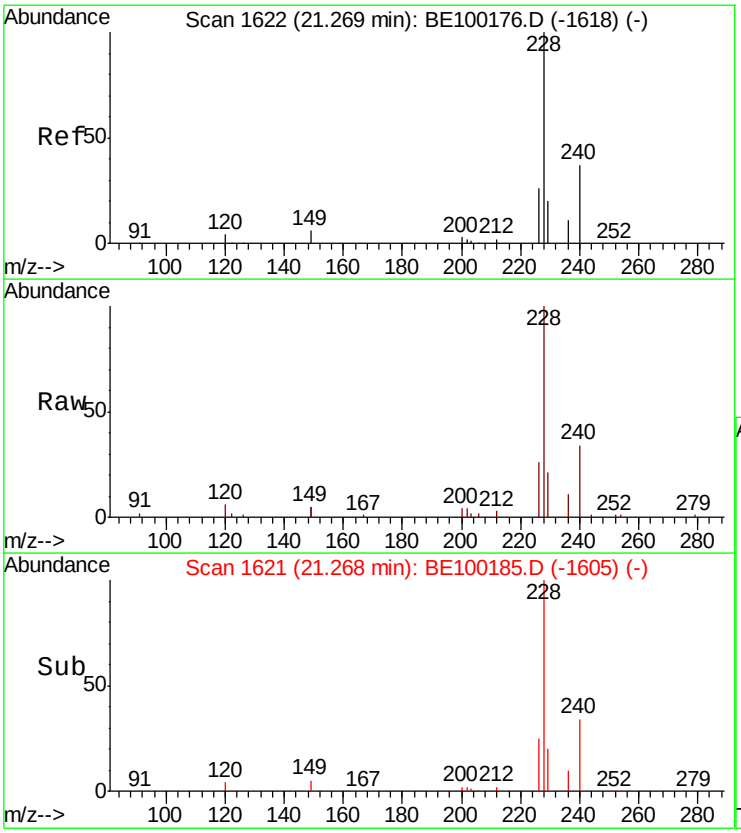
#29
Terphenyl-d14
Concen: 0.411 ng
RT: 19.74 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 4499

Ion	Ratio	Lower	Upper
244	100		
212	37.9	30.7	46.1
122	7.0	5.8	8.6

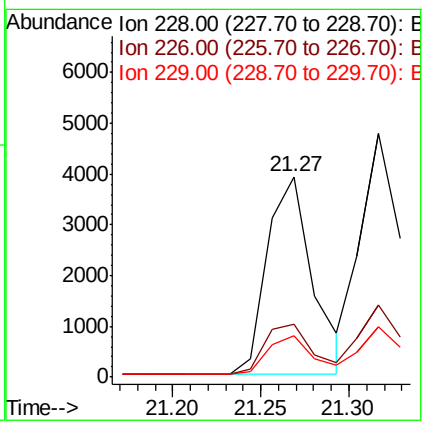


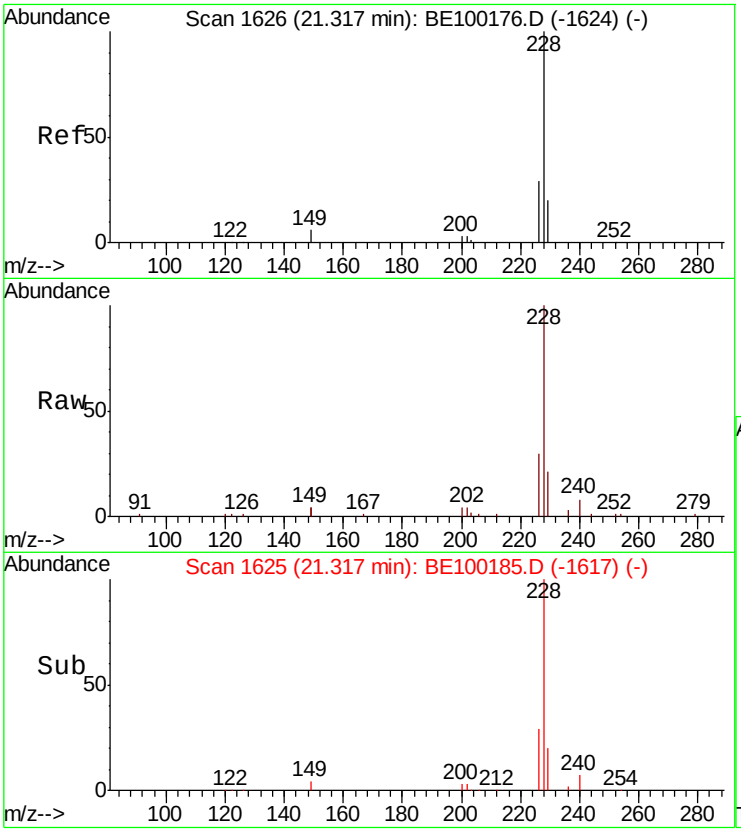


#30
Benzo(a)anthracene
Concen: 0.427 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:228 Resp: 7025

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.5	32.3
229	20.9	17.2	25.8



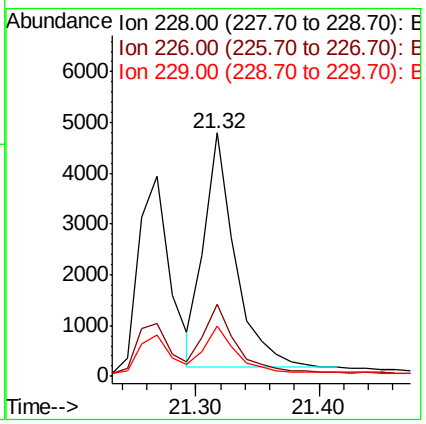


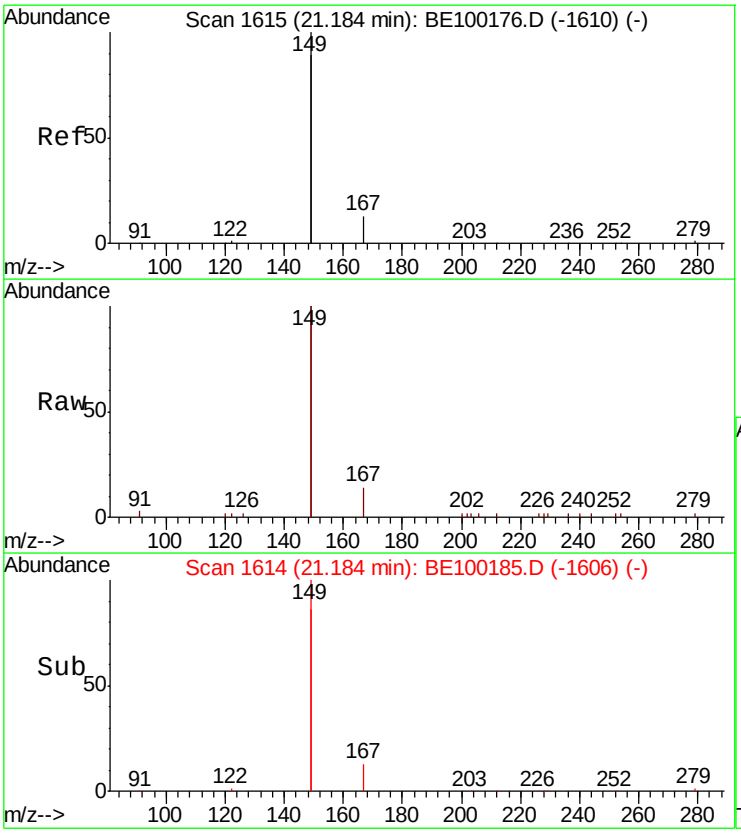
#31
Chrysene
Concen: 0.424 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 8169

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	20.6	16.5	24.7

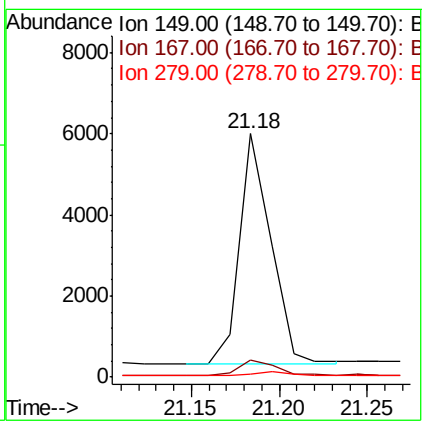


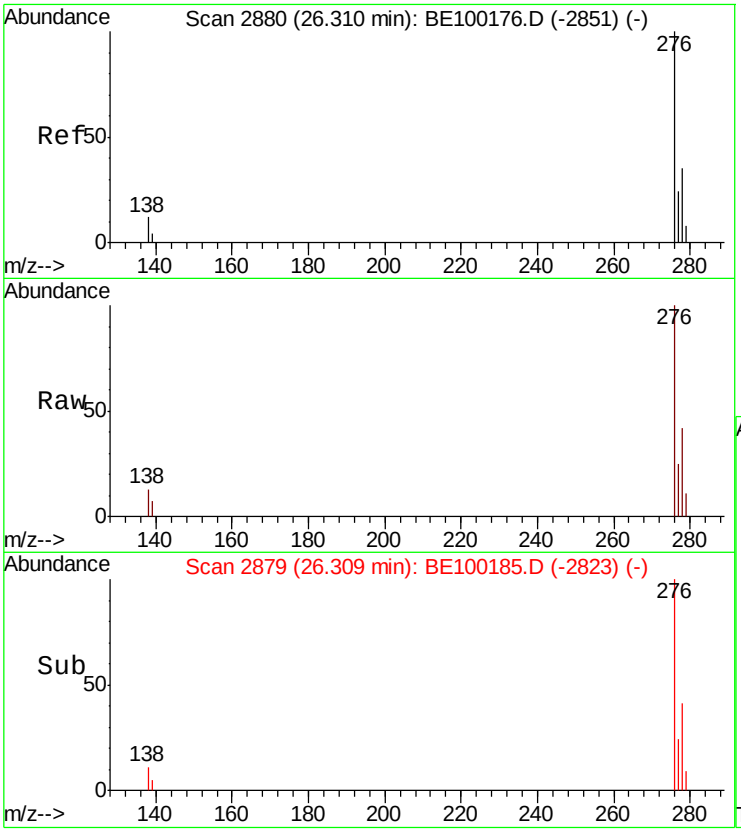


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.18 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:149 Resp: 7015

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.9	8.9
279	1.5	1.0	1.6



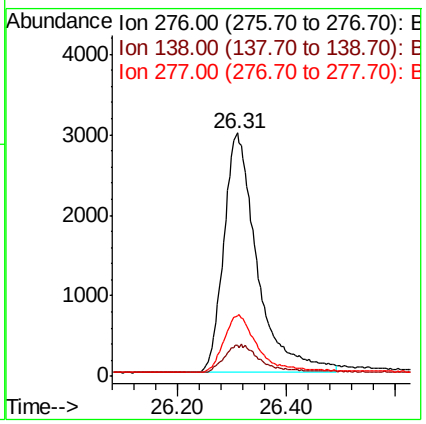


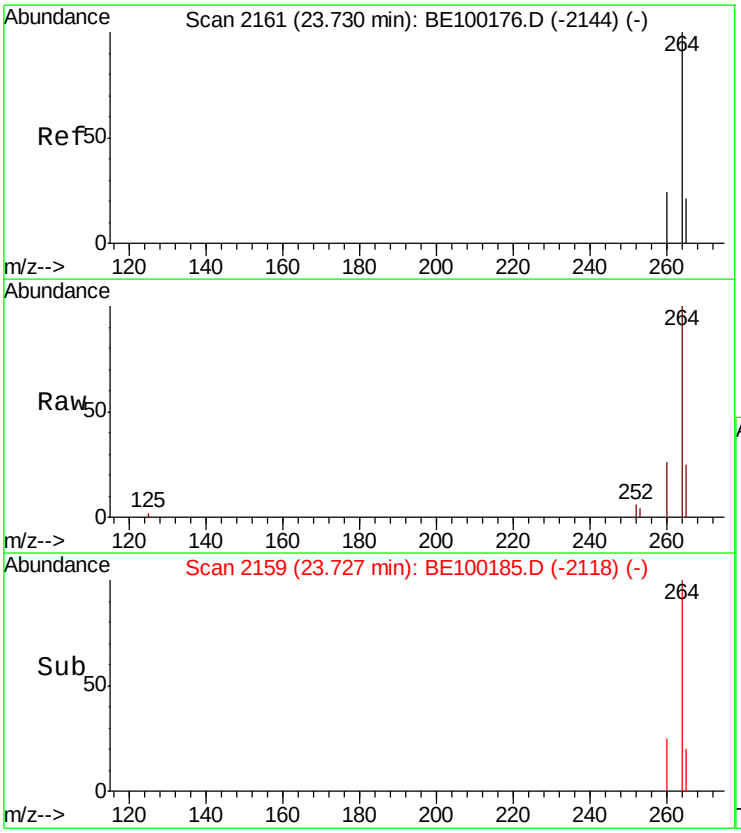
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.465 ng
RT: 26.31 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 12747

Ion	Ratio	Lower	Upper
276	100		
138	5.3	3.7	5.5
277	24.0	18.7	28.1

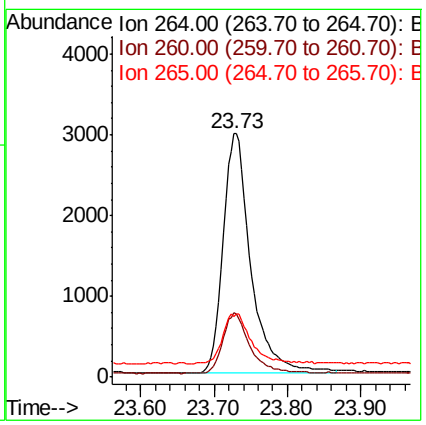


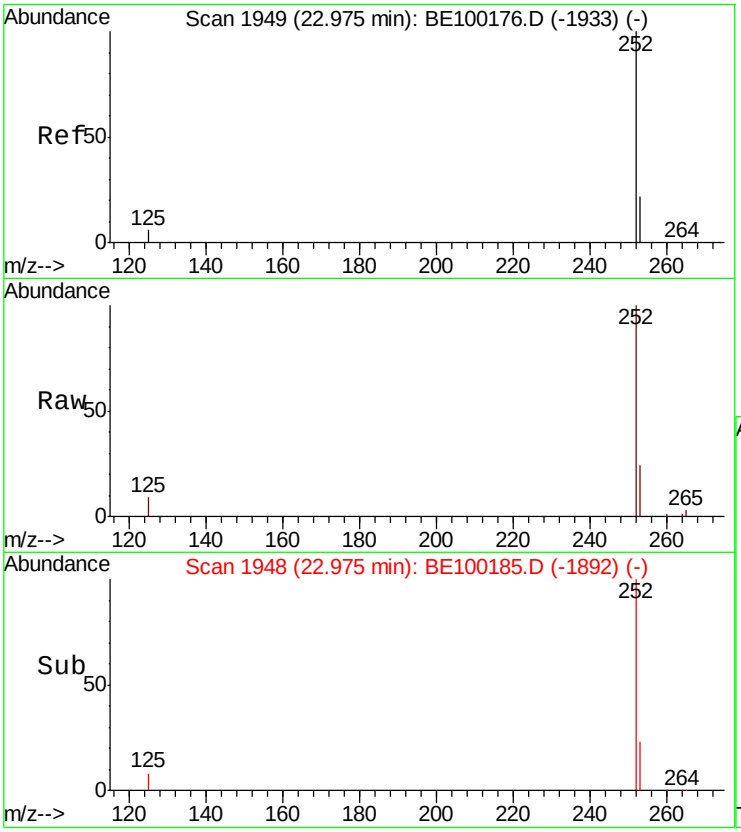


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:264 Resp: 7898

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.4	30.6
265	25.1	22.5	33.7



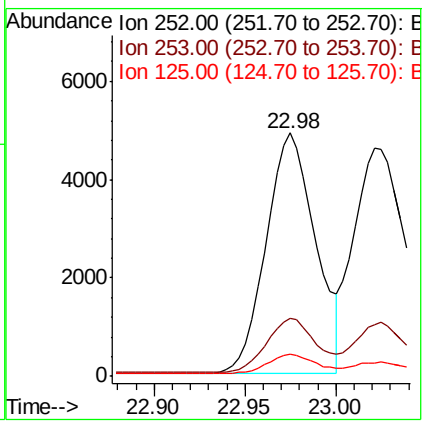


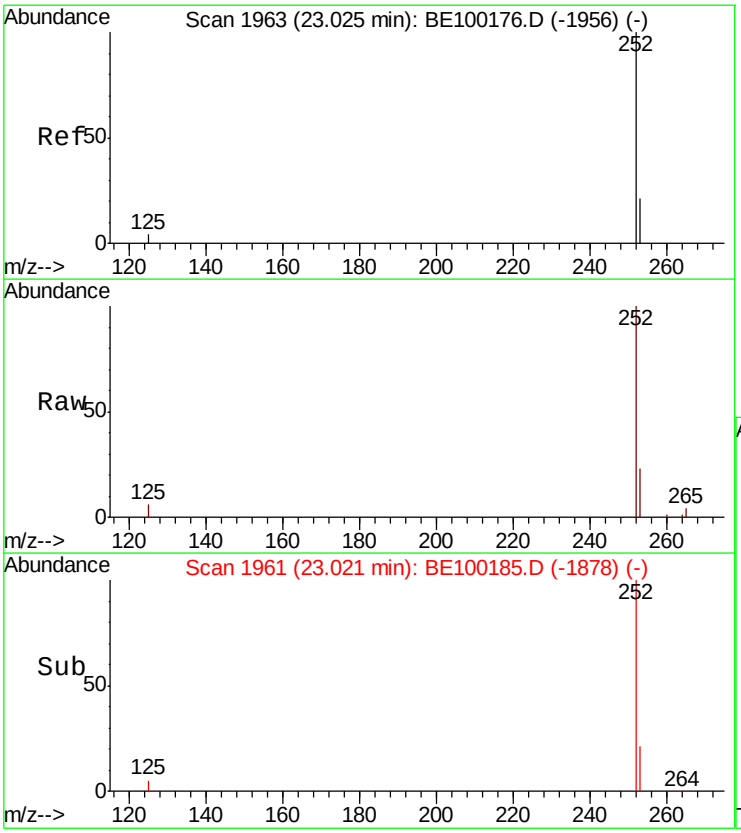
#35
Benzo(b)fluoranthene
Concen: 0.433 ng
RT: 22.98 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9201

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.4
125	9.1	6.3	9.5

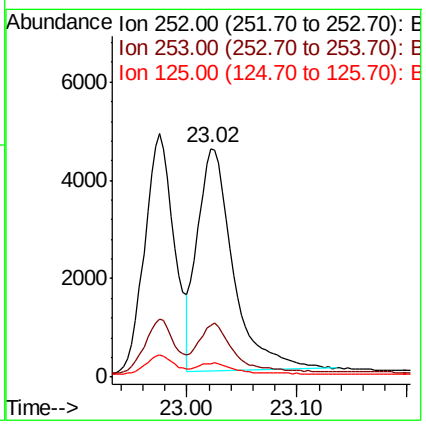


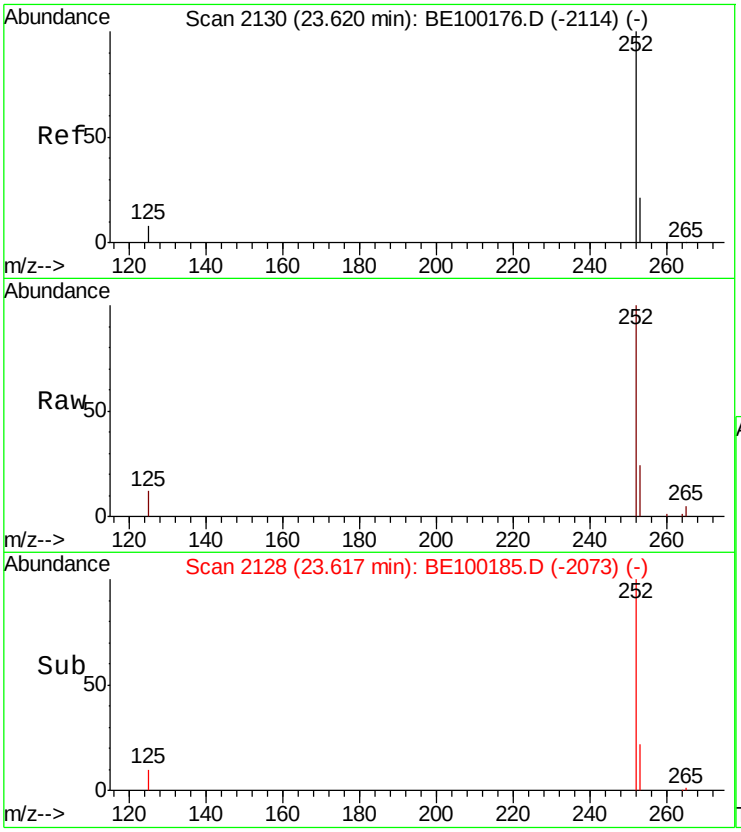


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.02 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:252 Resp: 10228

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	6.0	5.0	7.4



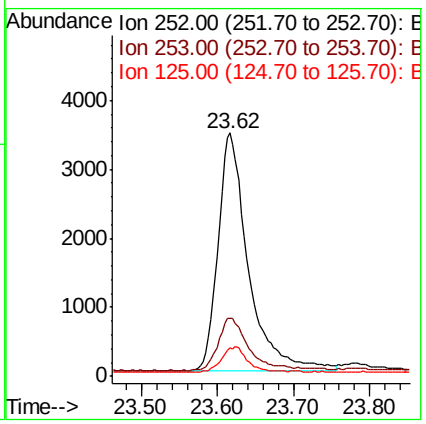


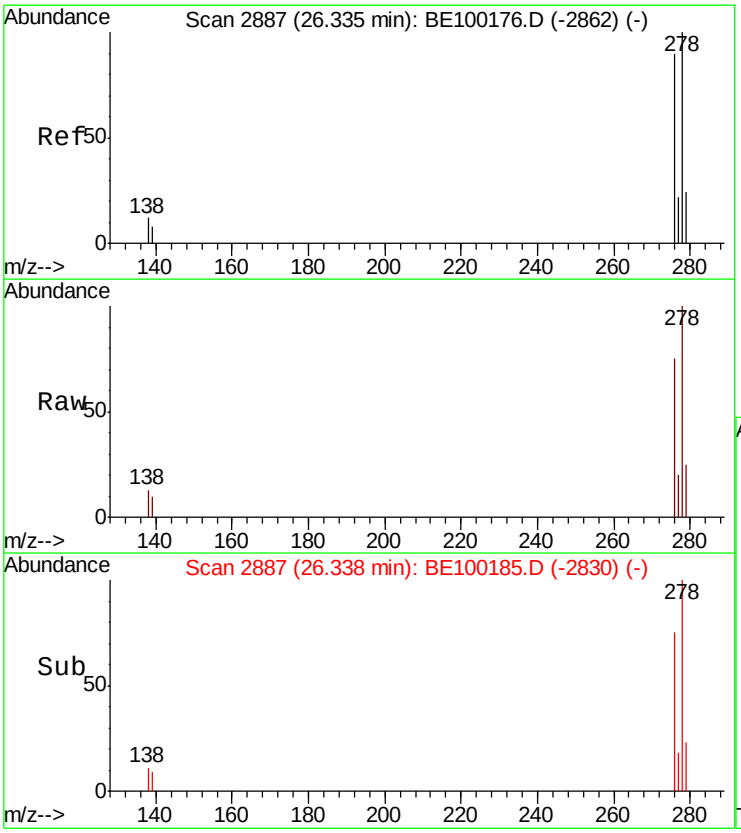
#37
Benzo(a)pyrene
Concen: 0.434 ng
RT: 23.62 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9560

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.2	28.8
125	11.5	8.2	12.2

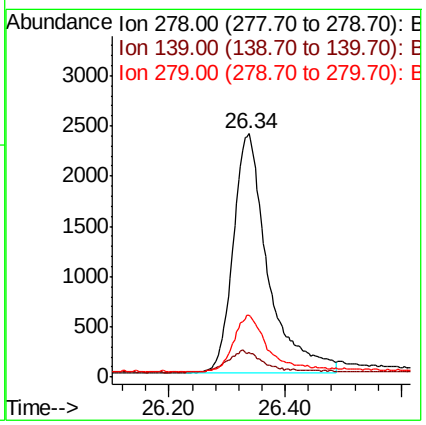


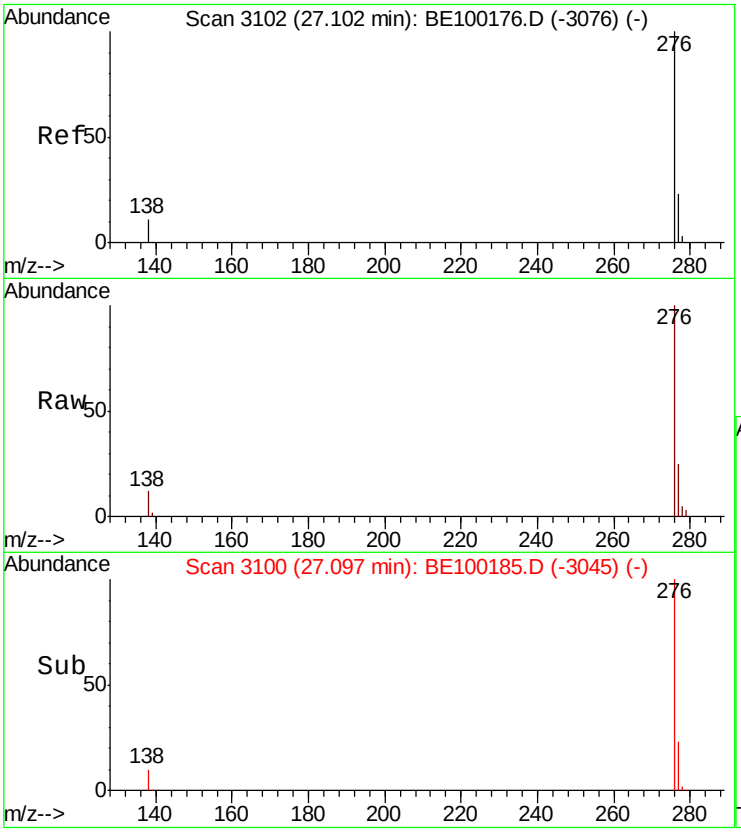


#38
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 26.34 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Tgt Ion:278 Resp: 9860

Ion	Ratio	Lower	Upper
278	100		
139	10.4	9.0	13.4
279	25.2	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.416 ng
RT: 27.10 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BE100185.D
Acq: 25 Jun 2019 18:32

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 10234

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	12.0	10.2	15.4