Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100291.D
Acq On : 2 Jul 2019 7:45
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jul 02 08:28:53 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	1983	0.40	ng		0.00
7) Naphthalene-d8	10.43	136	9720	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	7443	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	20348	0.40	ng		0.01
27) Chrysene-d12	21.25	240	24798	0.40	ng		0.00
34) Perylene-d12	23.68	264	29936	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2008	0.40	ng		0.01
5) Phenol-d6	6.82	99	3483	0.52	ng		-0.01
8) Nitrobenzene-d5	8.81	82	4337	0.45	ng		-0.01
11) 2-Methylnaphthalene-d10	12.04	152	7780	0.43	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	2344	0.45	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	11914	0.41	ng		-0.01
25) Fluoranthene-d10	19.10	212	116665	0.40	ng		0.00
29) Terphenyl-d14	19.70	244	24501	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	767	0.249	ng		97
3) n-Nitrosodimethylamine	3.45	42	726	0.506	ng	#	87
6) bis(2-Chloroethyl)ether	7.08	93	3208	0.587	ng	#	70
9) Naphthalene	10.49	128	43568	0.406	ng	#	97
10) Hexachlorobutadiene	10.76	225	4139	0.401	ng		97
12) 2-Methylnaphthalene	12.12	142	7591	0.404	ng		96
16) Acenaphthylene	14.04	152	14378	0.403	ng		99
17) Acenaphthene	14.39	154	8404	0.415	ng		98
18) Fluorene	15.35	166	11824	0.395	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	5670	0.437	ng	#	81
21) Hexachlorobenzene	16.37	284	5750	0.426	ng		97
22) Pentachlorophenol	16.73	266	2026	0.499	ng		89
23) Phenanthrene	17.11	178	20792	0.422	ng		100
24) Anthracene	17.20	178	20455	0.461	ng		100
26) Fluoranthene	19.13	202	30521	0.389	ng		100
28) Pyrene	19.49	202	31534	0.480	ng		100
30) Benzo(a)anthracene	21.23	228	36291	0.445	ng		97
31) Chrysene	21.28	228	35616	0.435	ng		97
32) Bis(2-ethylhexyl)phthalate	21.15	149	56643	0.434	ng		100
33) Indeno(1,2,3-cd)pyrene	26.24	276	39983	0.369	ng		99
35) Benzo(b)fluoranthene	22.93	252	34762	0.428	ng		99
36) Benzo(k)fluoranthene	22.98	252	36100	0.398	ng		99
37) Benzo(a)pyrene	23.57	252	34232	0.421	ng		98
38) Dibenzo(a,h)anthracene	26.27	278	33733	0.397	ng		99
39) Benzo(g,h,i)perylene	27.03	276	30535	0.350	ng		99

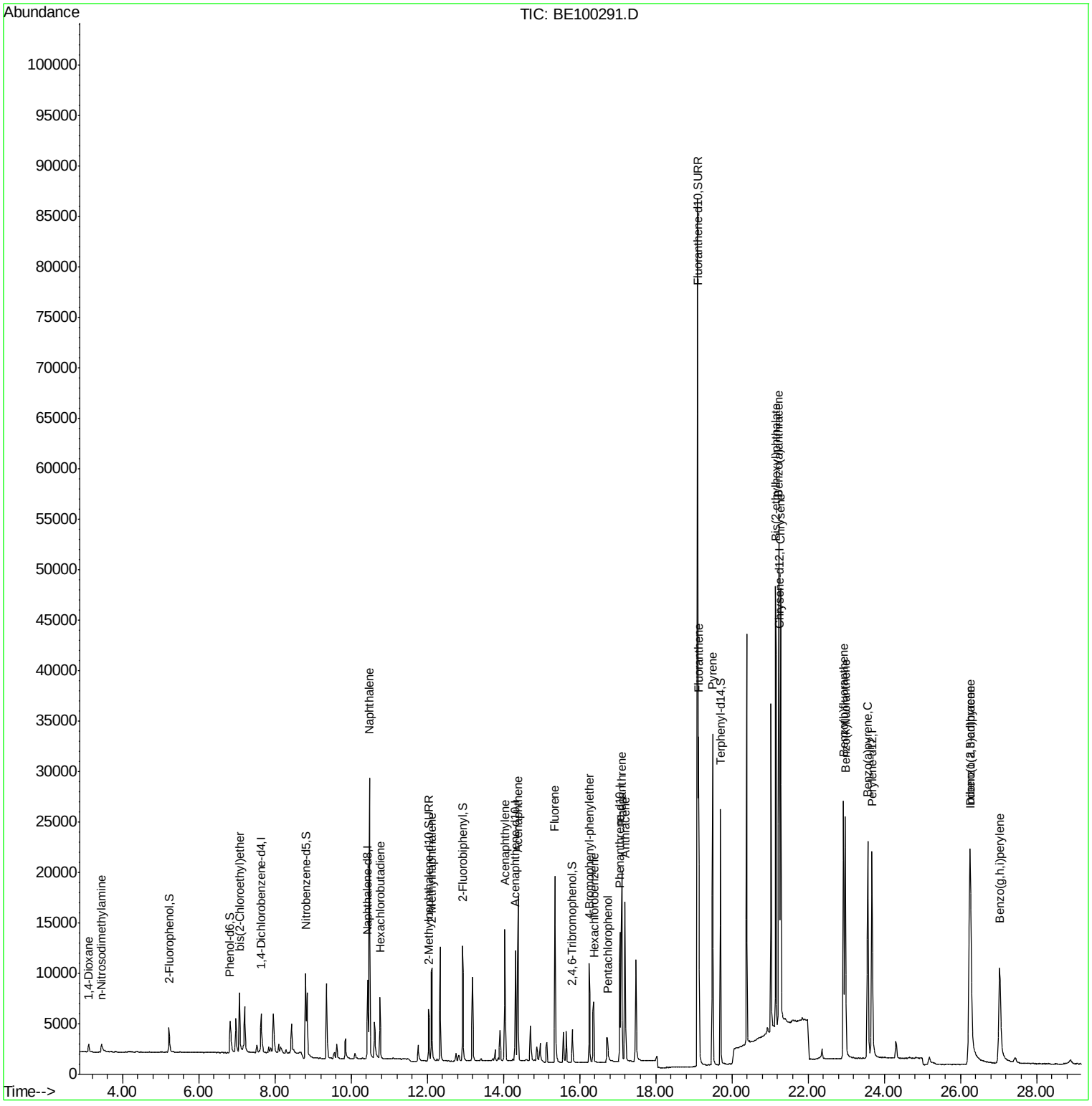
(#) = qualifier out of range (m) = manual integration (+) = signals summed

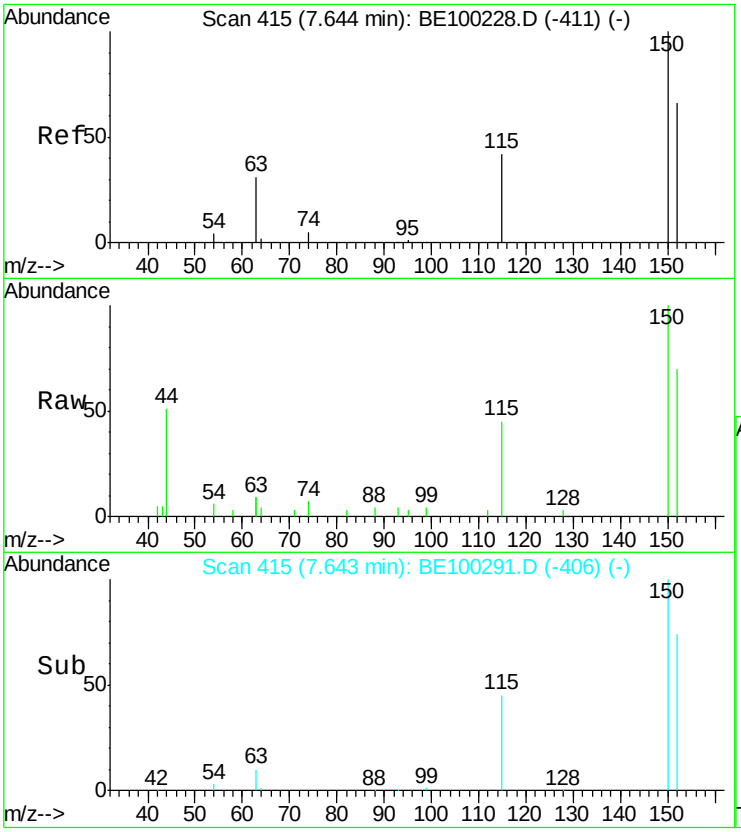
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100291.D
Acq On : 2 Jul 2019 7:45
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 02 08:28:53 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



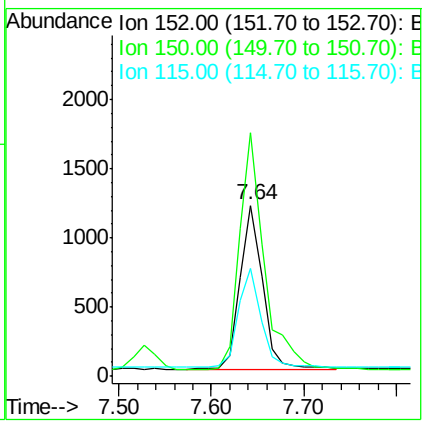


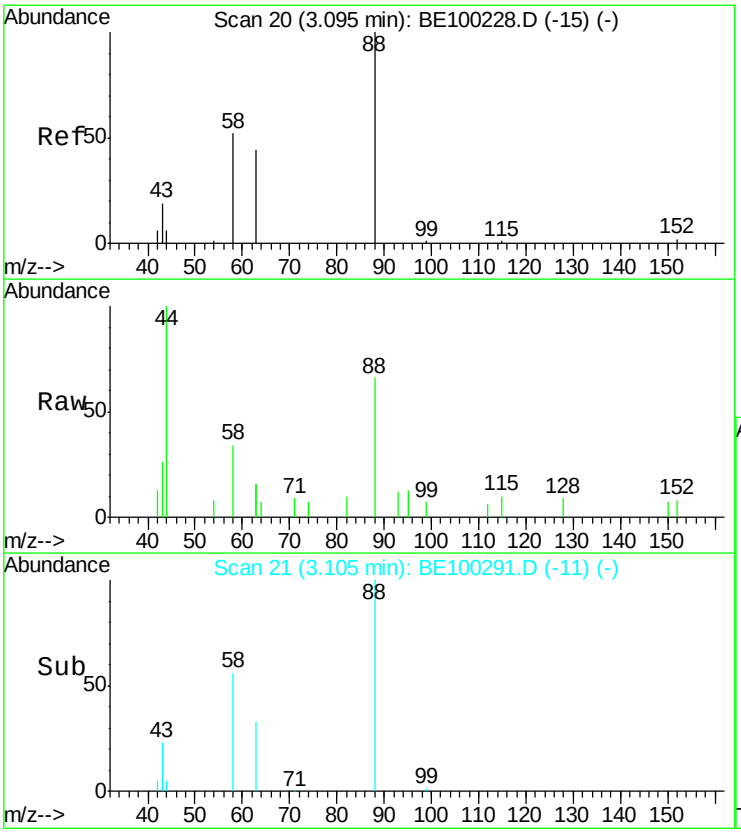
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1983

Ion	Ratio	Lower	Upper
152	100		
150	142.2	114.5	171.7
115	63.3	57.1	85.7

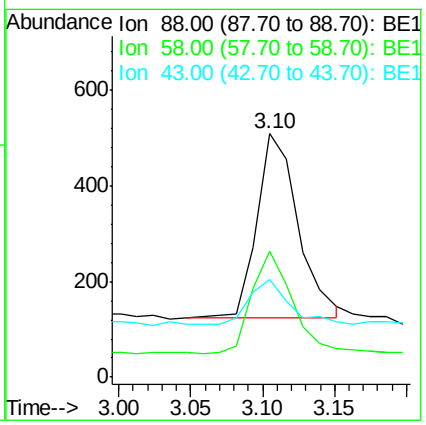


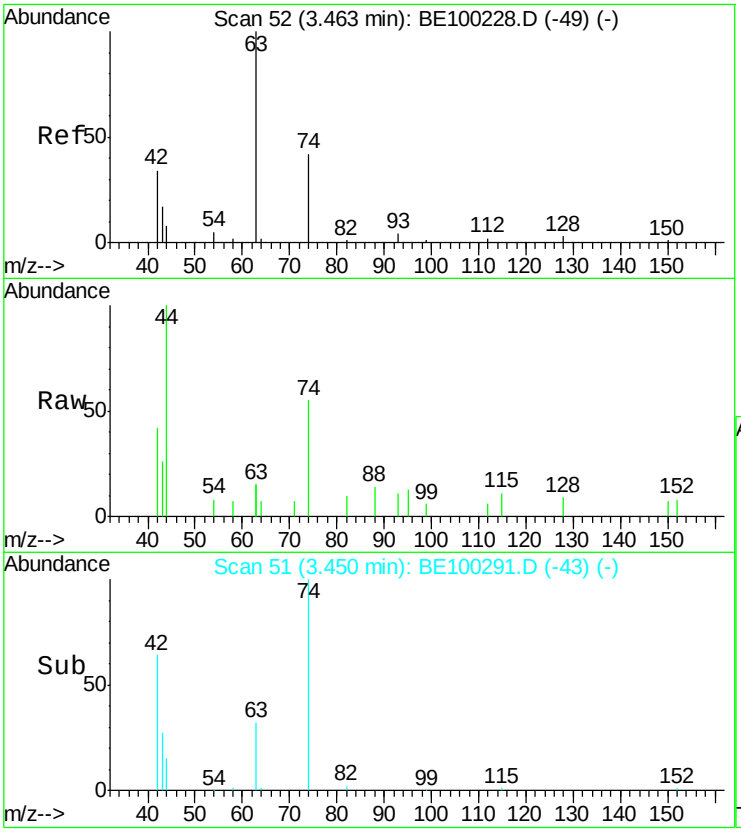


#2
1,4-Dioxane
Concen: 0.249 ng
RT: 3.10 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion: 88 Resp: 767

Ion	Ratio	Lower	Upper
88	100		
58	54.2	43.6	65.4
43	22.7	21.4	32.0



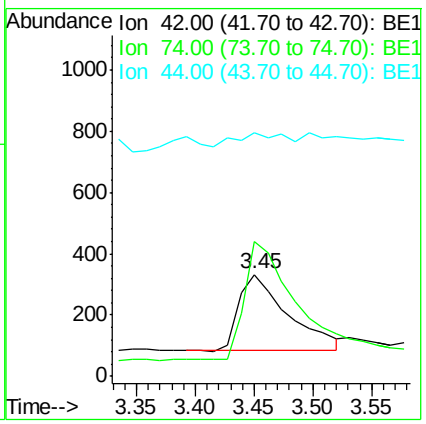


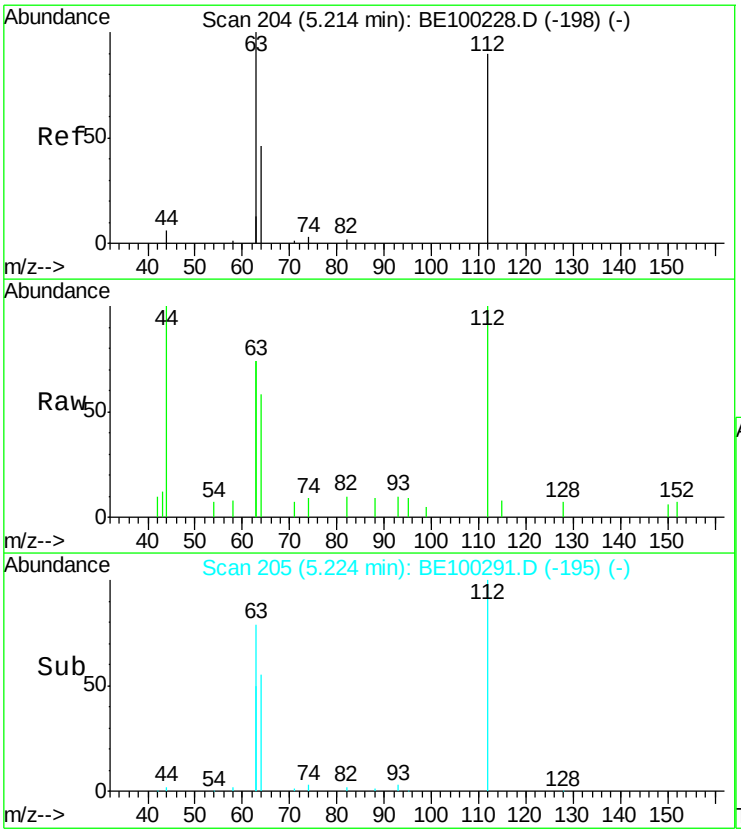
#3
n-Nitrosodimethylamine
Concen: 0.506 ng
RT: 3.45 min Scan# 51
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 726

Ion	Ratio	Lower	Upper
42	100		
74	157.3	130.6	196.0
44	18.3	38.0	57.0#

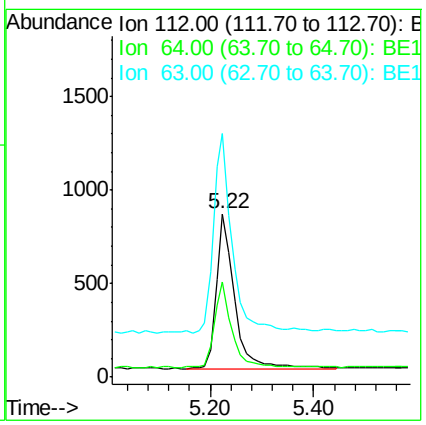


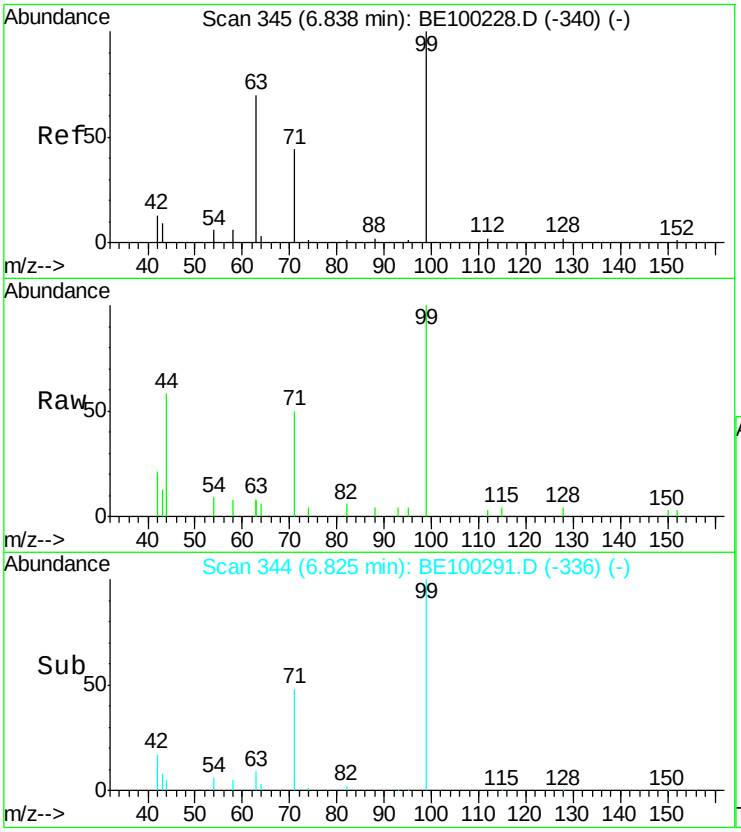


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:112 Resp: 2008

Ion	Ratio	Lower	Upper
112	100		
64	53.3	39.4	59.0
63	130.7	104.5	156.7



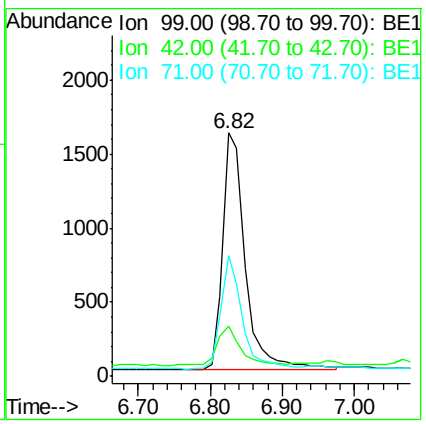


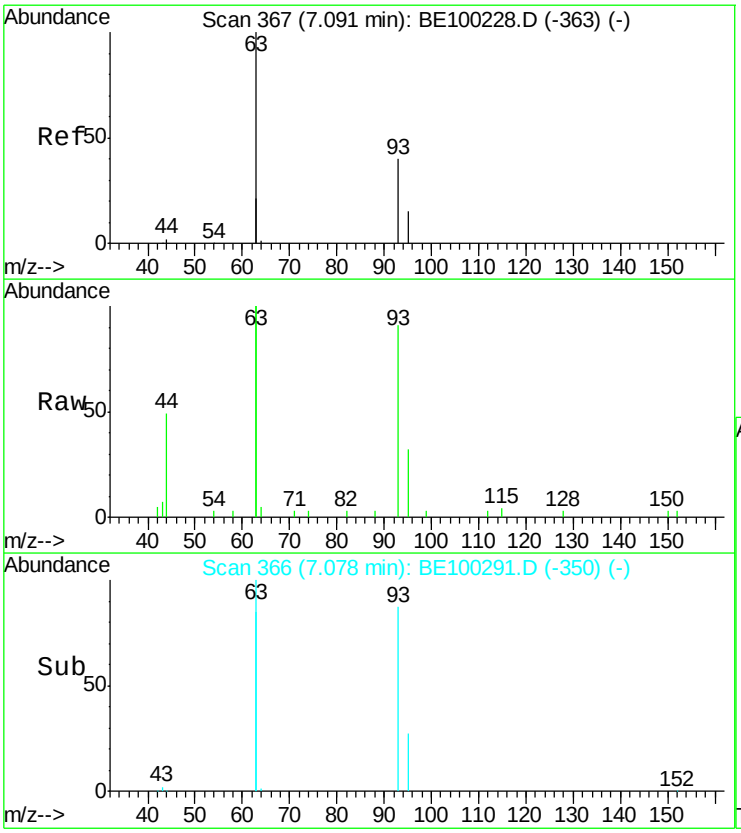
#5
Phenol-d6
Concen: 0.524 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3483

Ion	Ratio	Lower	Upper
99	100		
42	16.3	11.2	16.8
71	44.9	37.2	55.8

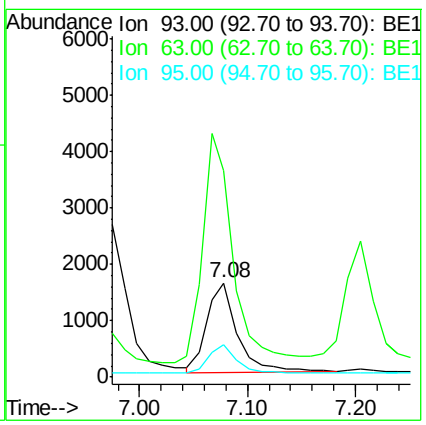


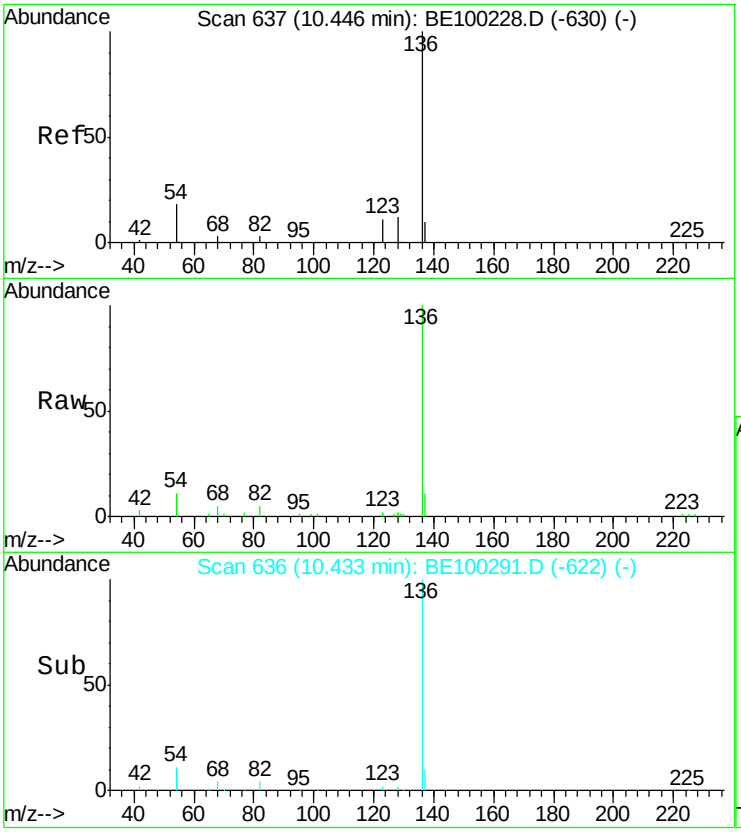


#6
bis(2-Chloroethyl)ether
Concen: 0.587 ng
RT: 7.08 min Scan# 366
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion: 93 Resp: 3208

Ion	Ratio	Lower	Upper
93	100		
63	243.8	155.6	233.4#
95	32.0	23.0	34.4



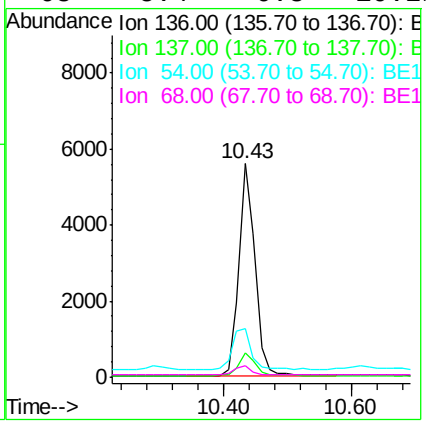


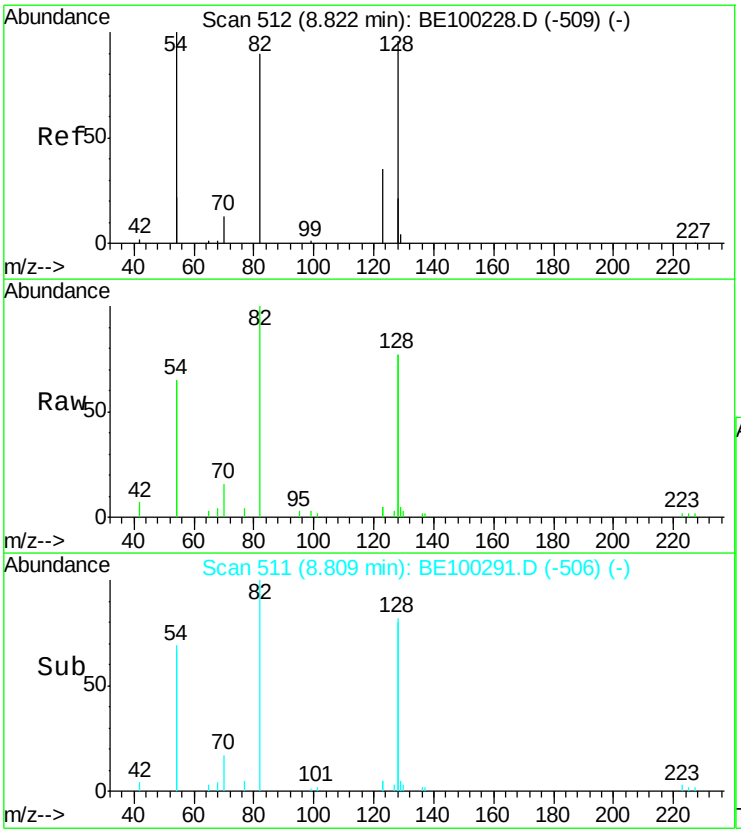
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 9720

Ion	Ratio	Lower	Upper
136	100		
137	11.1	11.8	17.8#
54	22.7	27.7	41.5#
68	5.4	6.8	10.2#

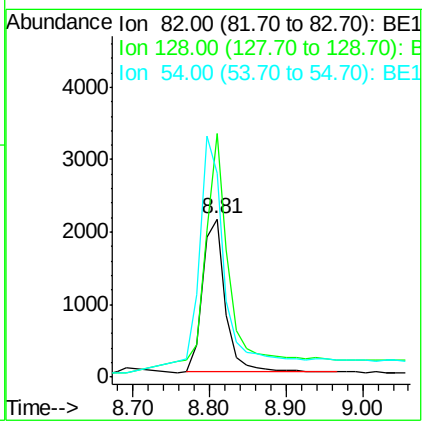


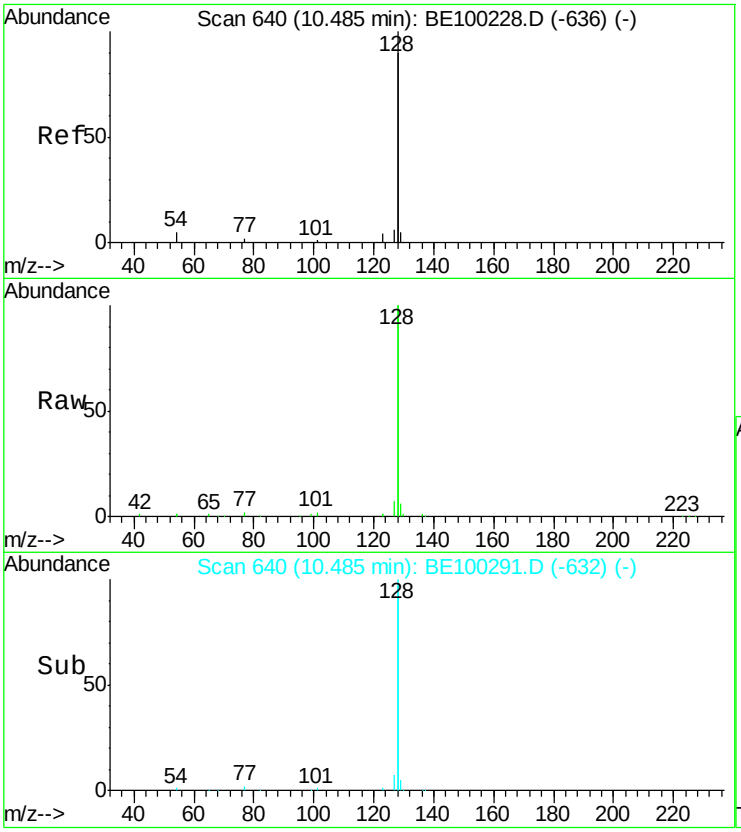


#8
Nitrobenzene-d5
Concen: 0.449 ng
RT: 8.81 min Scan# 511
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion: 82 Resp: 4337

Ion	Ratio	Lower	Upper
82	100		
128	154.2	140.9	211.3
54	129.3	146.2	219.2#



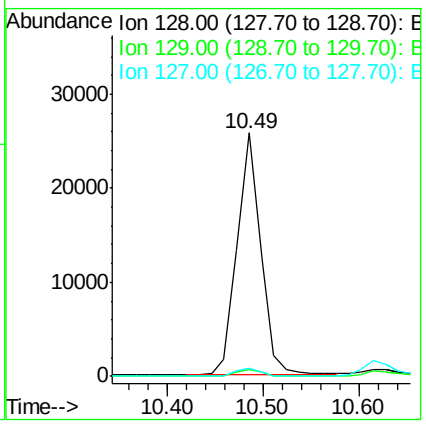


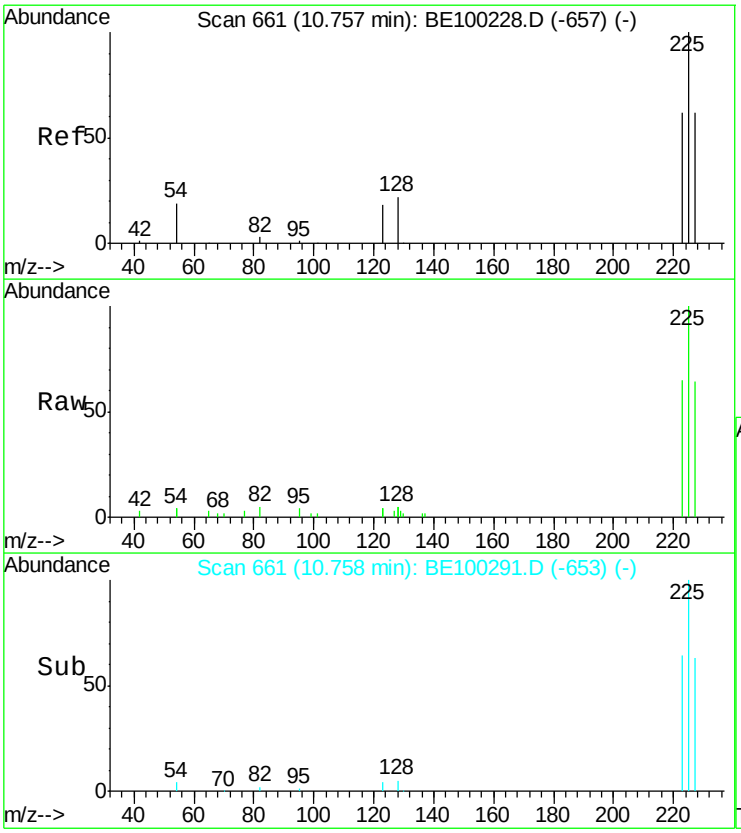
#9
Naphthalene
Concen: 0.406 ng
RT: 10.49 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 43568

Ion	Ratio	Lower	Upper
128	100		
129	2.9	3.0	4.6#
127	3.4	3.5	5.3#

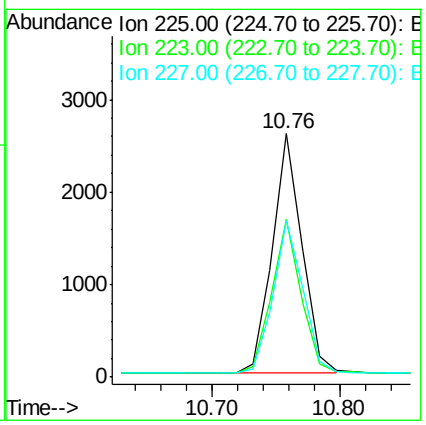


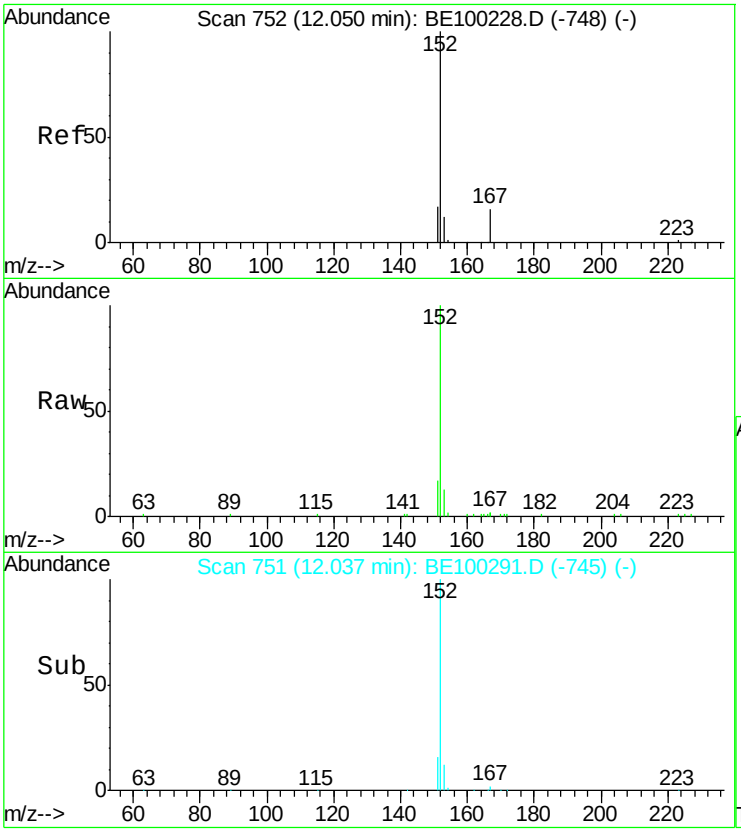


#10
Hexachlorobutadiene
Concen: 0.401 ng
RT: 10.76 min Scan# 661
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:225 Resp: 4139

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.1	73.7
227	64.2	49.3	73.9



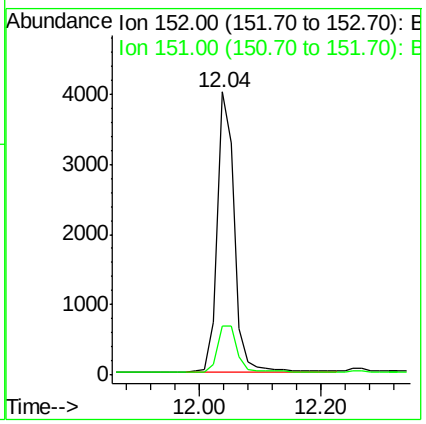


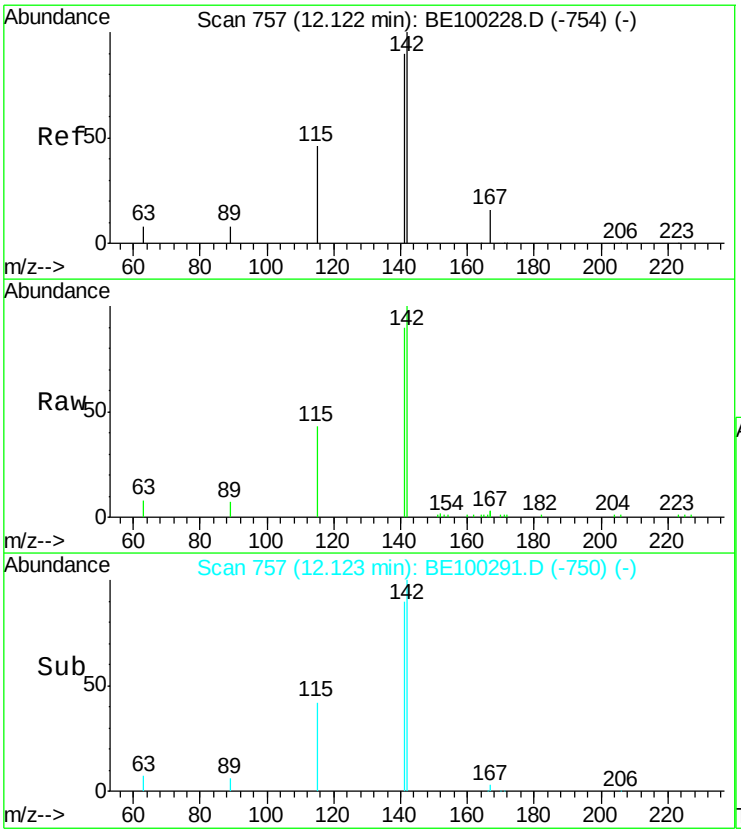
#11
2-Methylnaphthalene-d10
Concen: 0.426 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7780

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.1	22.7

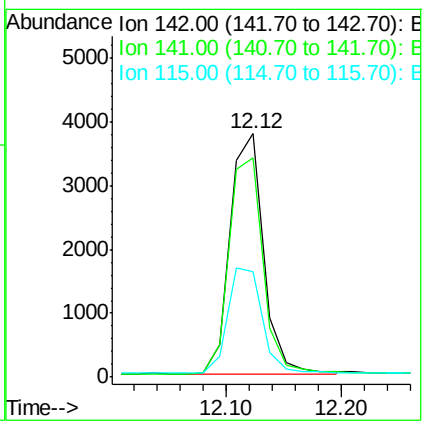


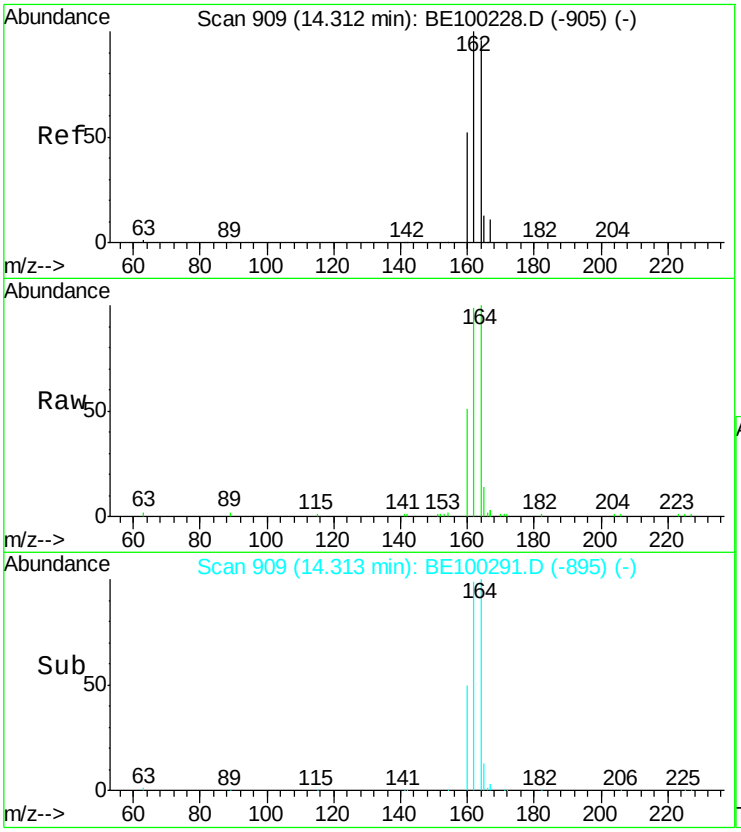


#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:142 Resp: 7591

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.4	108.6
115	43.2	40.4	60.6



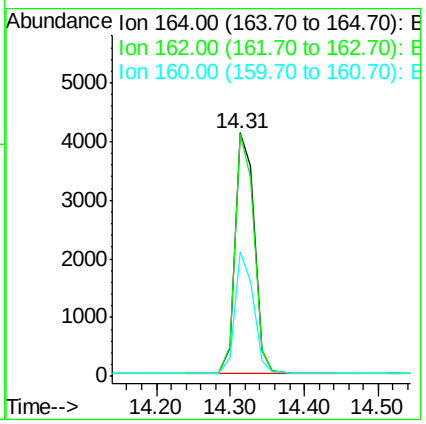


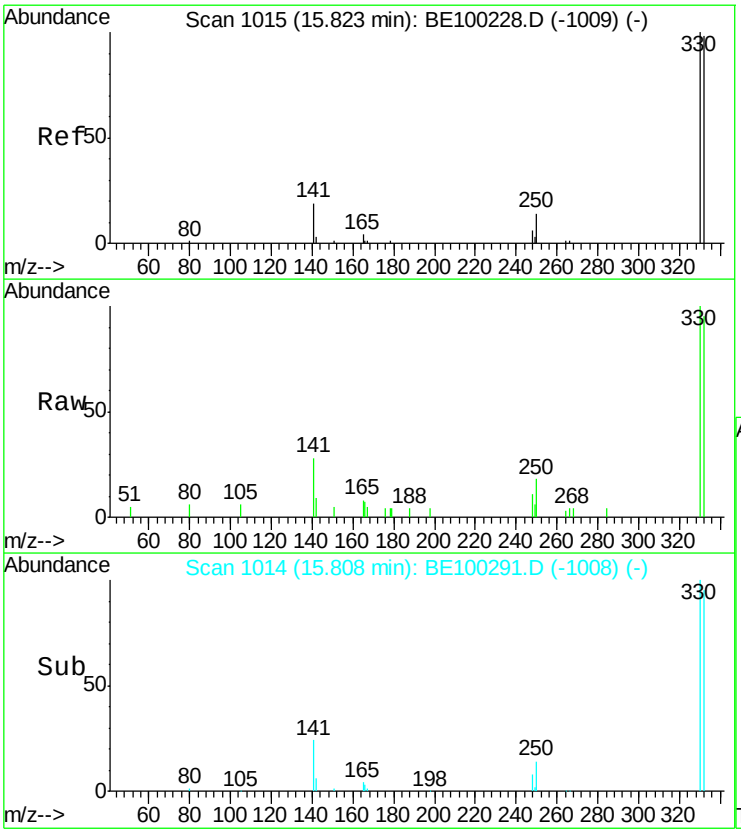
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7443

Ion	Ratio	Lower	Upper
164	100		
162	99.5	83.4	125.0
160	51.0	45.0	67.6

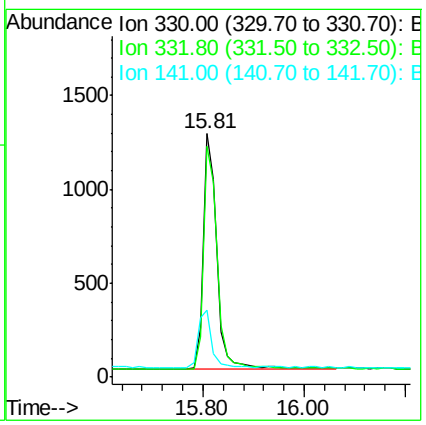


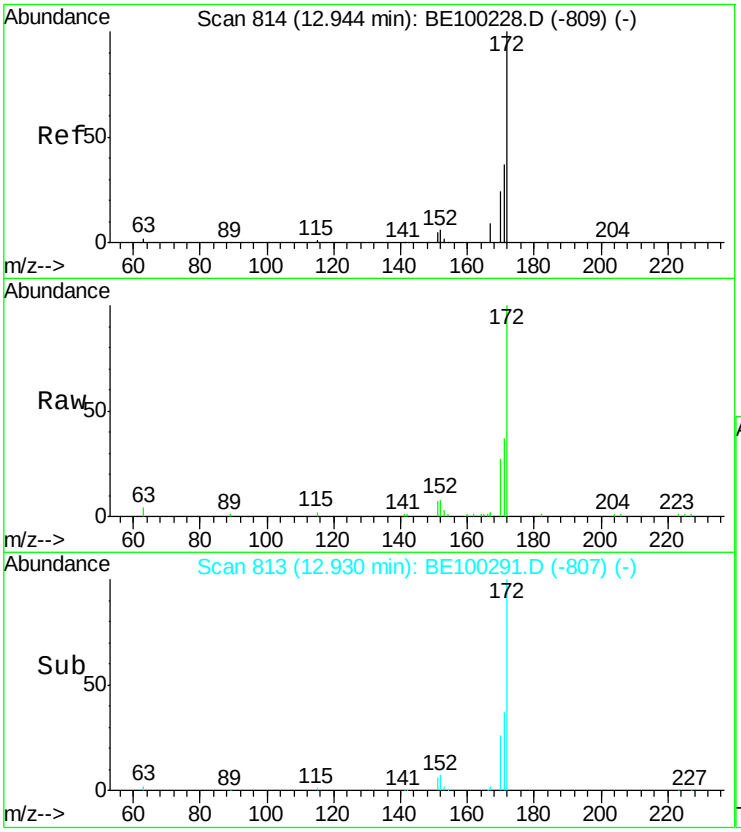


#14
2,4,6-Tribromophenol
Concen: 0.450 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:330 Resp: 2344

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	25.0	22.0	33.0



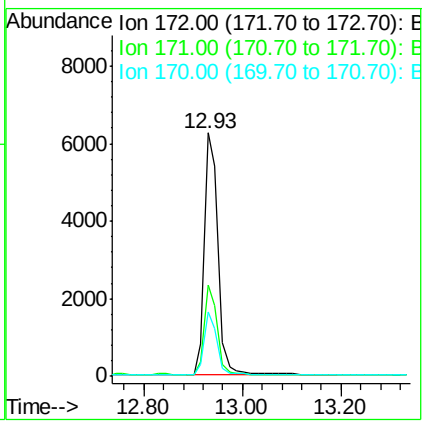


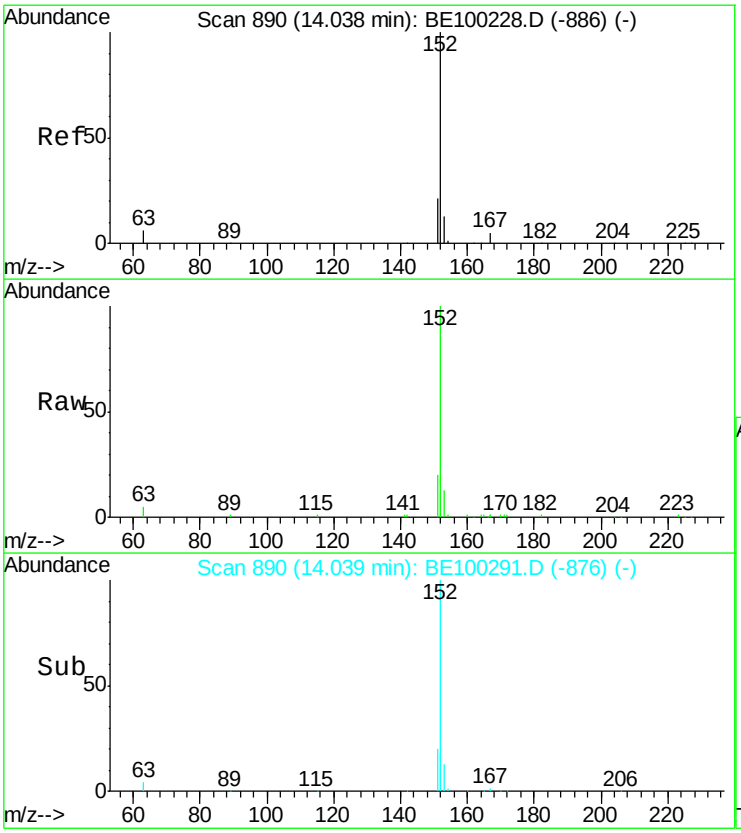
#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 11914

Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.9	47.9
170	26.5	22.2	33.2

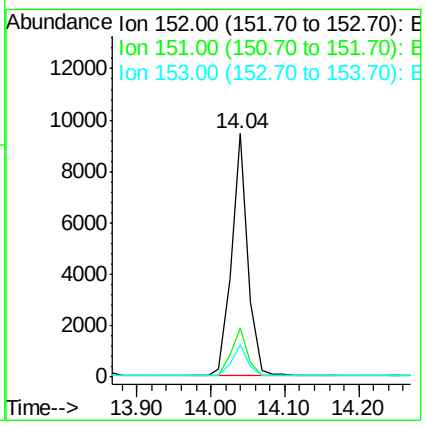


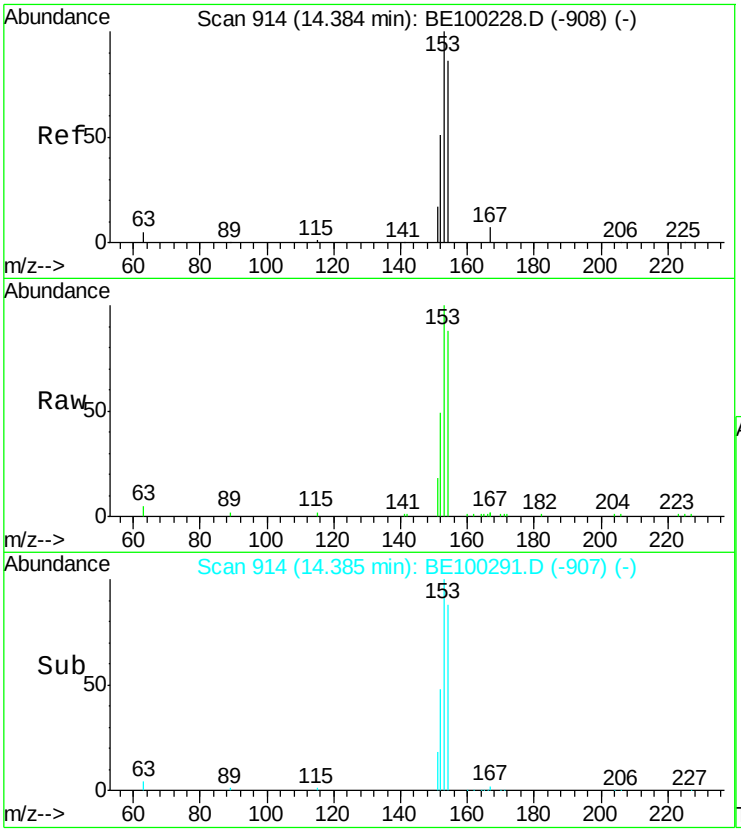


#16
Acenaphthylene
Concen: 0.403 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:152 Resp: 14378

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.0	10.5	15.7



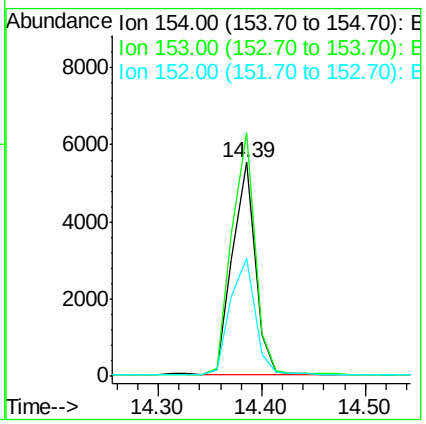


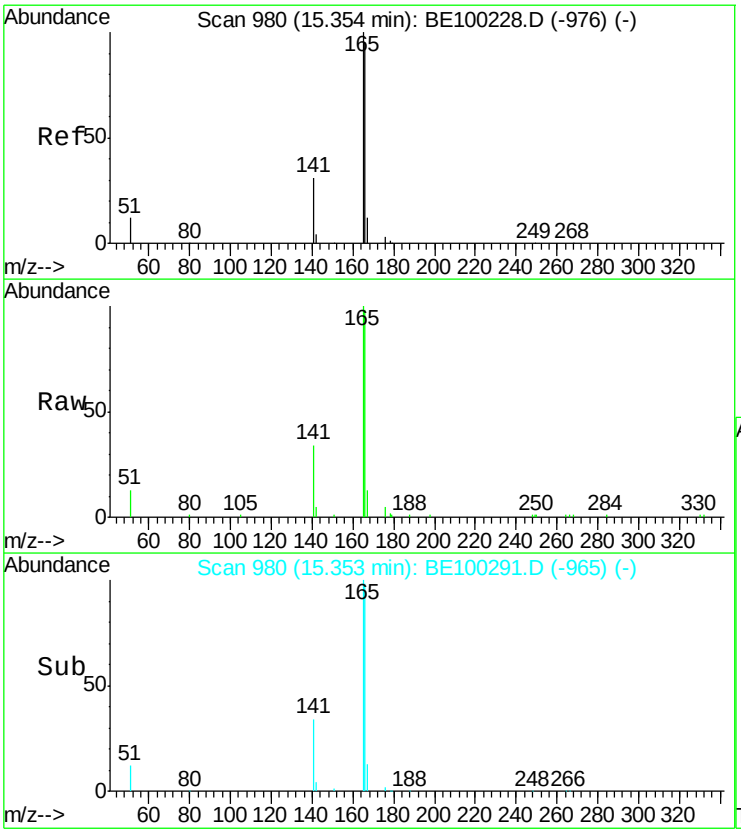
#17
Acenaphthene
Concen: 0.415 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8404

Ion	Ratio	Lower	Upper
154	100		
153	116.0	93.4	140.2
152	59.0	49.4	74.2

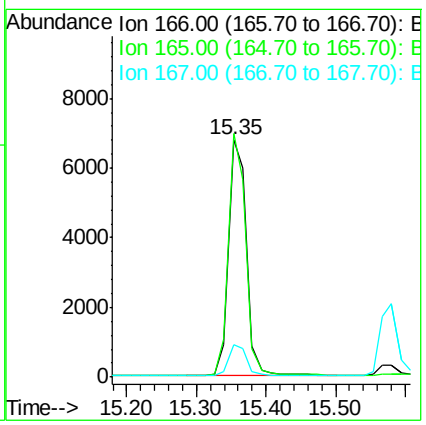


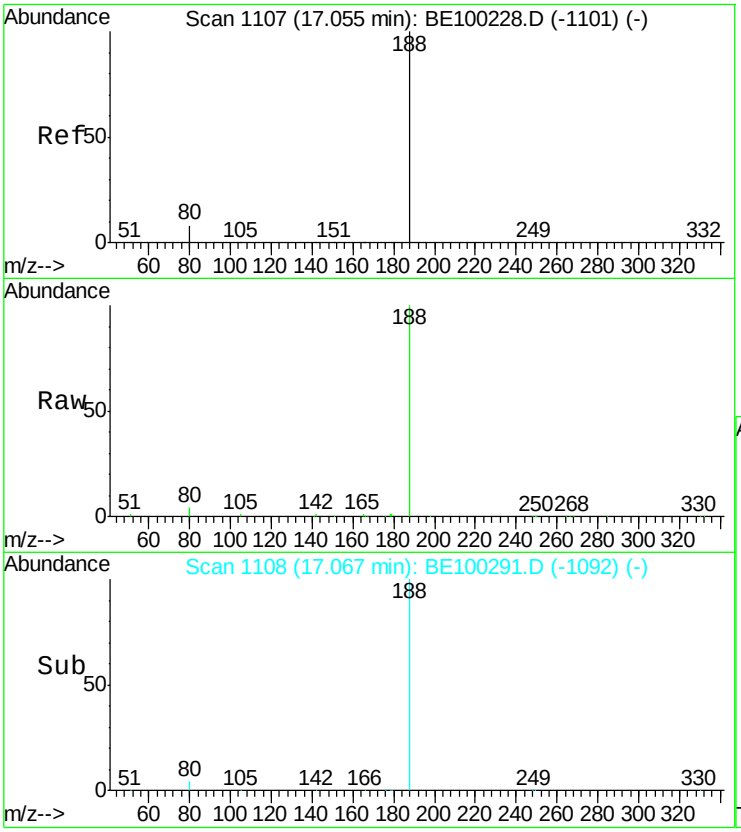


#18
Fluorene
Concen: 0.395 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:166 Resp: 11824

Ion	Ratio	Lower	Upper
166	100		
165	99.9	81.1	121.7
167	13.2	10.7	16.1



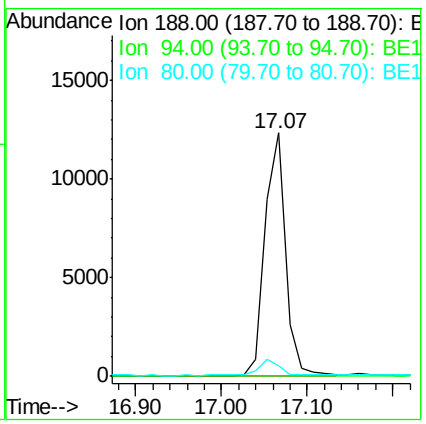


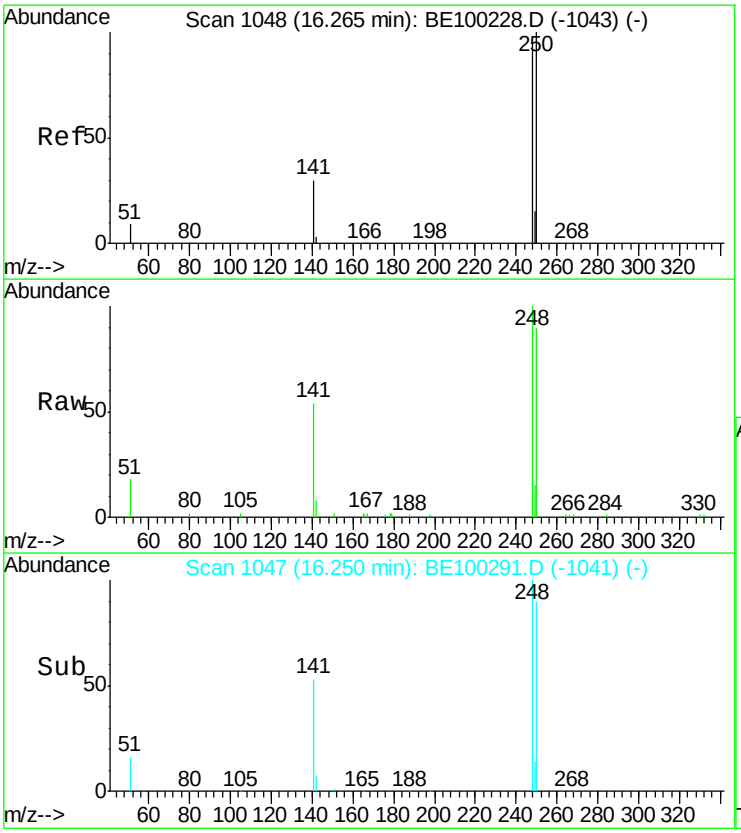
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 20348

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.4	7.6	11.4#

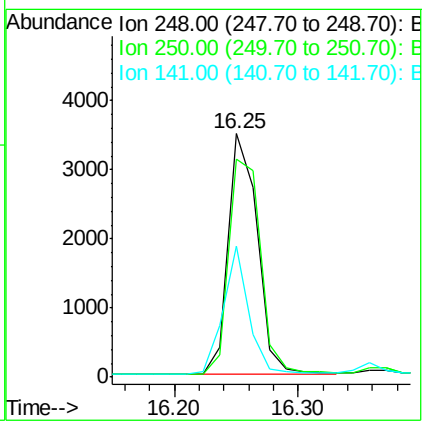


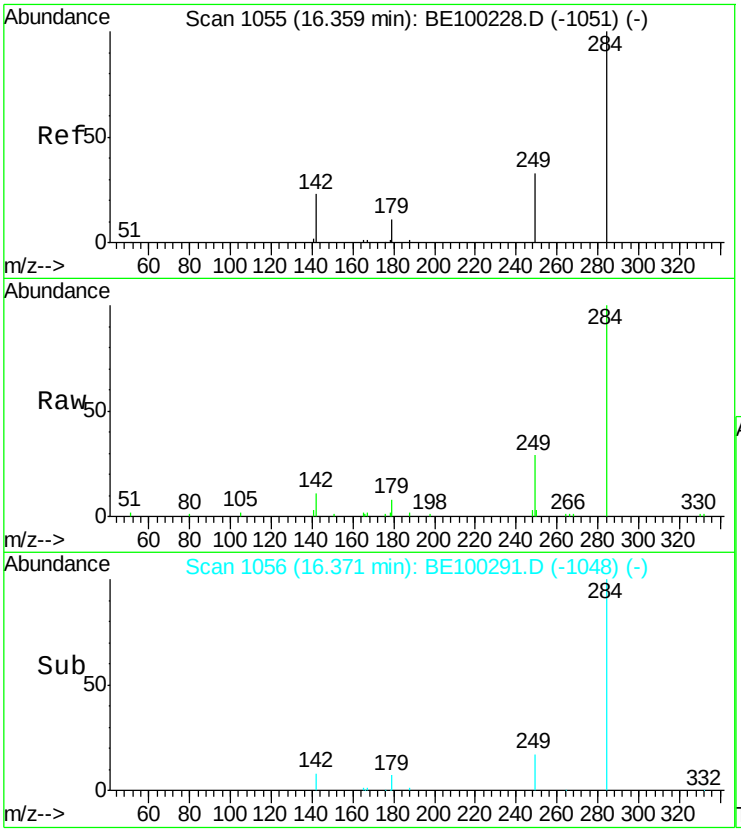


#20
4-Bromophenyl-phenylether
Concen: 0.437 ng
RT: 16.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:248 Resp: 5670

Ion	Ratio	Lower	Upper
248	100		
250	89.8	84.2	126.4
141	53.9	29.3	43.9#



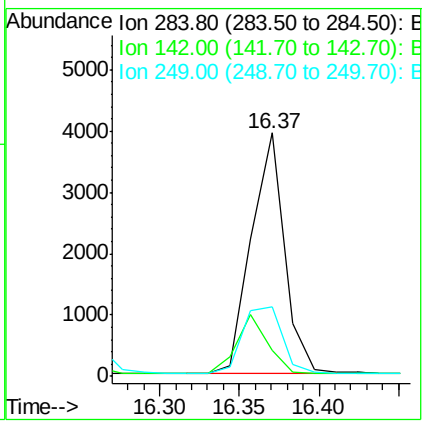


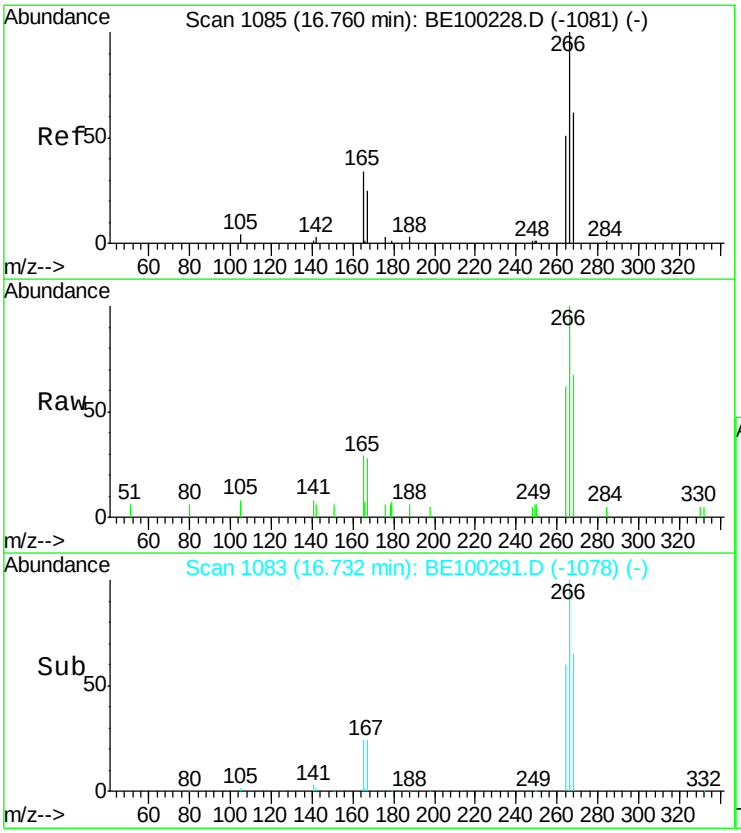
#21
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 5750

Ion	Ratio	Lower	Upper
284	100		
142	23.1	18.8	28.2
249	32.6	23.7	35.5

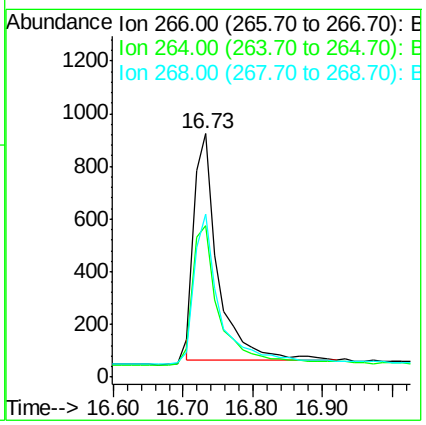


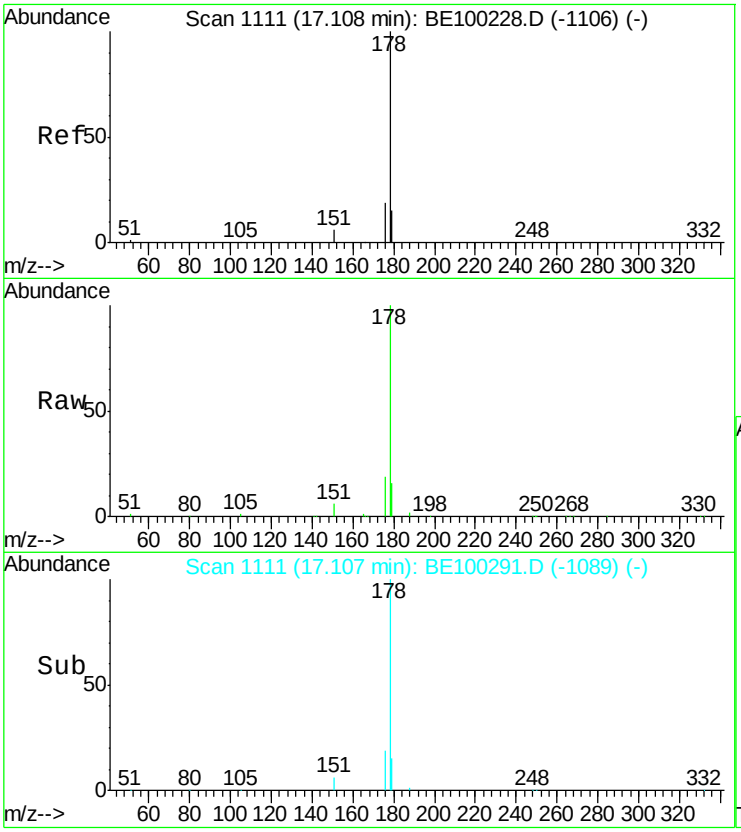


#22
Pentachlorophenol
Concen: 0.499 ng
RT: 16.73 min Scan# 1083
Delta R.T. -0.03 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:266 Resp: 2026

Ion	Ratio	Lower	Upper
266	100		
264	62.3	56.2	84.2
268	66.9	61.8	92.6



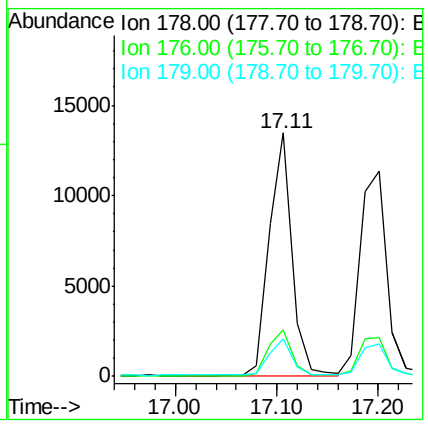


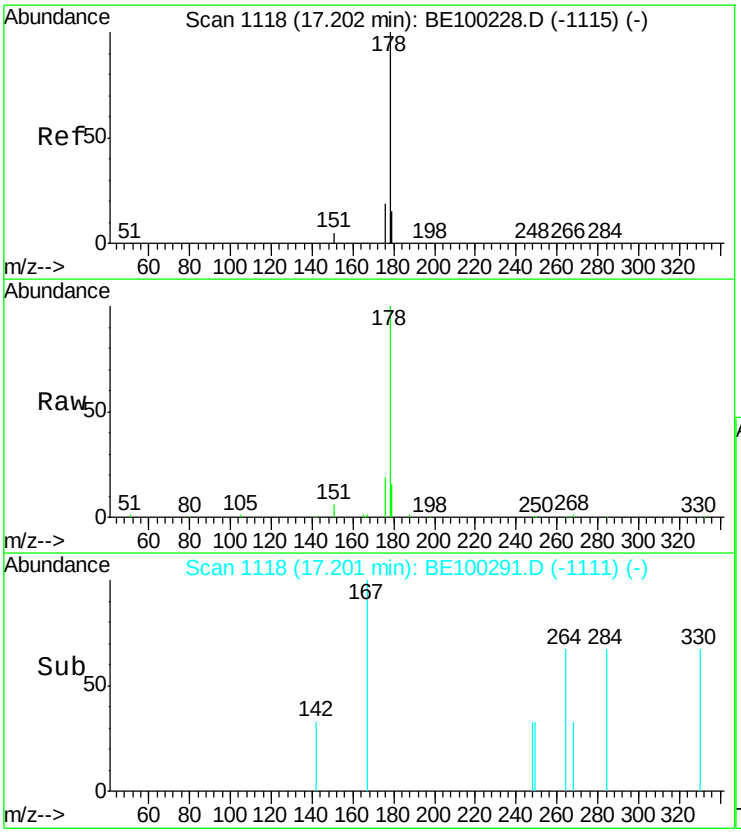
#23
Phenanthrene
Concen: 0.422 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 20792

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.2	12.2	18.2

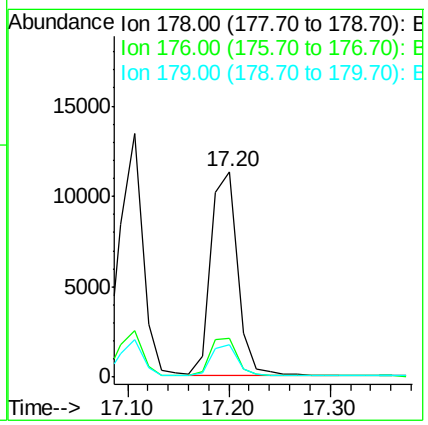


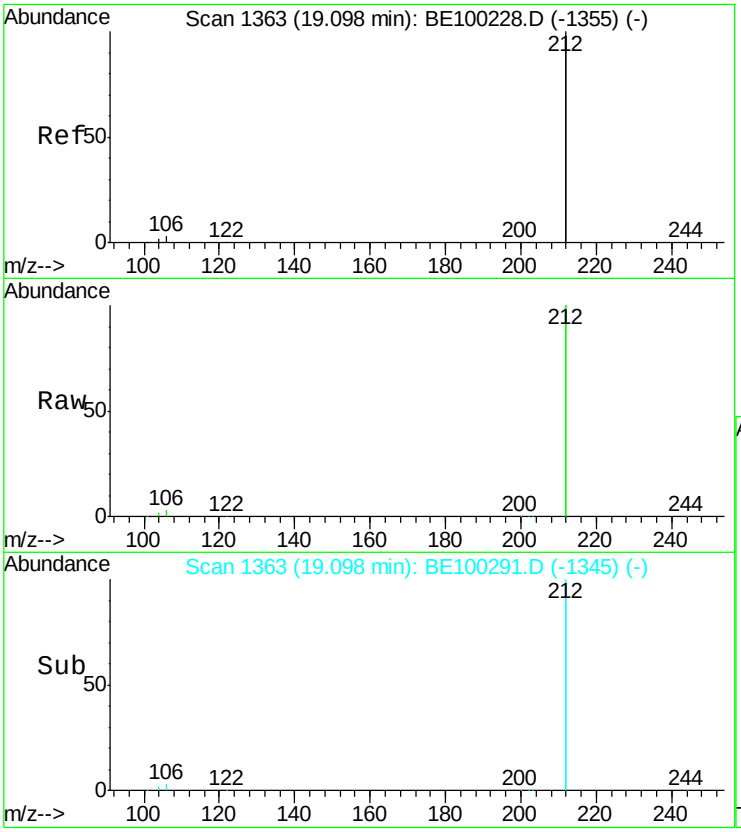


#24
Anthracene
Concen: 0.461 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:178 Resp: 20455

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.2	18.2



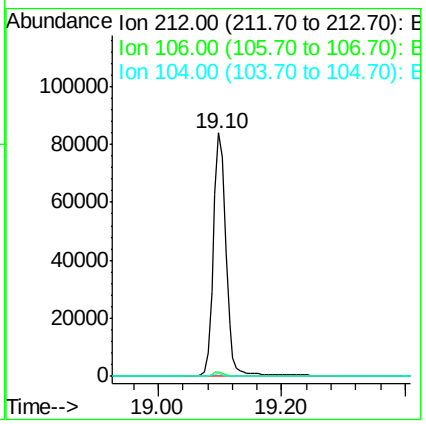


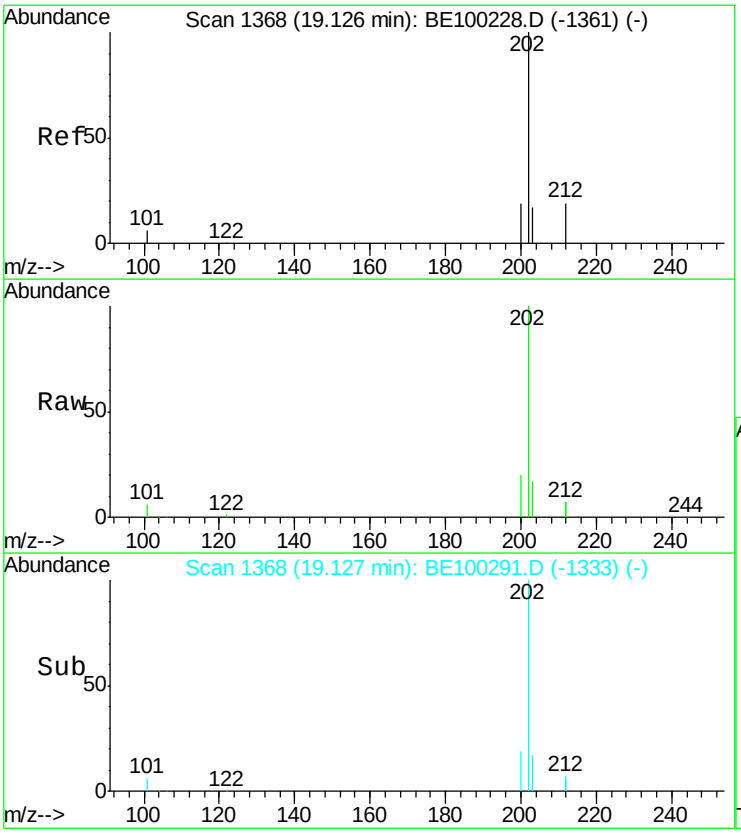
#25
Fluoranthene-d10
Concen: 0.395 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 116665

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2

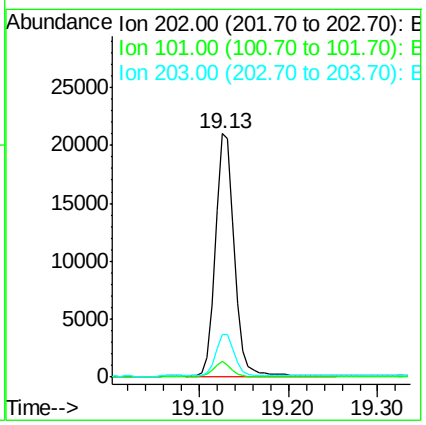


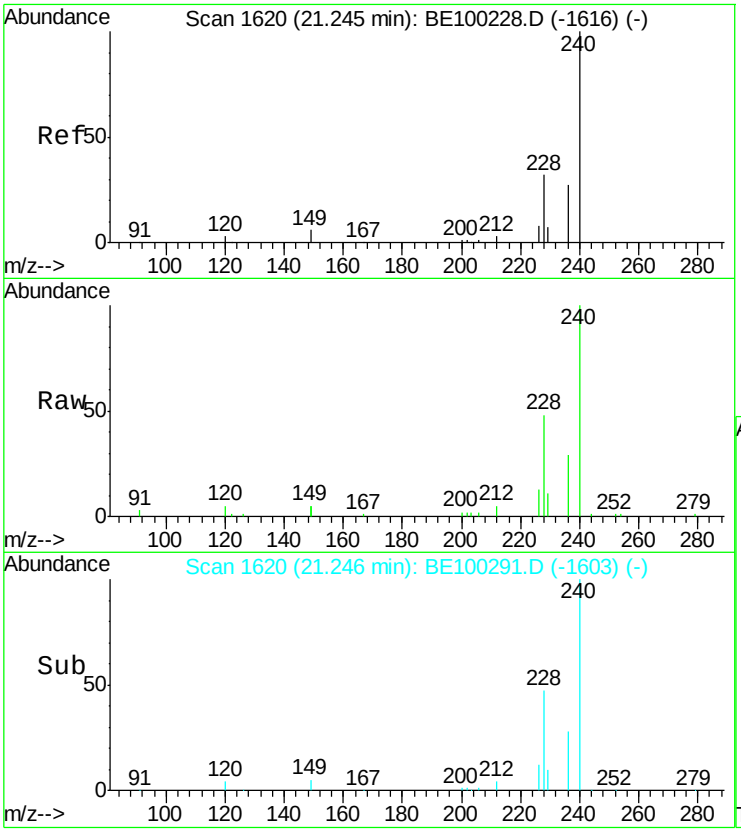


#26
Fluoranthene
Concen: 0.389 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:202 Resp: 30521

Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	16.9	13.7	20.5



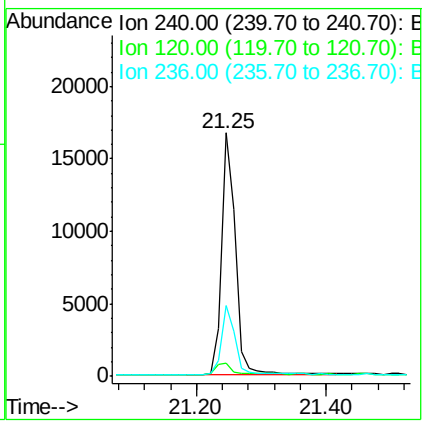


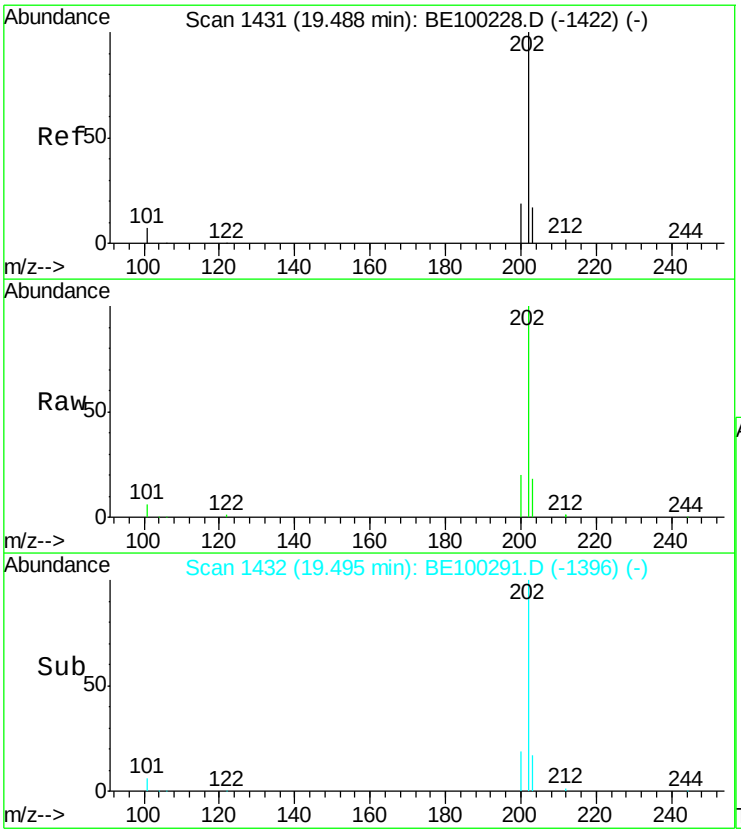
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 24798

Ion	Ratio	Lower	Upper
240	100		
120	5.2	3.3	4.9#
236	28.9	22.6	34.0

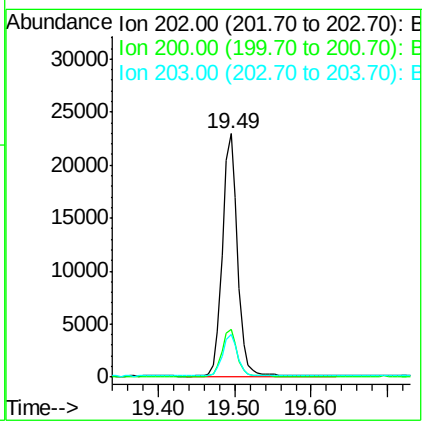


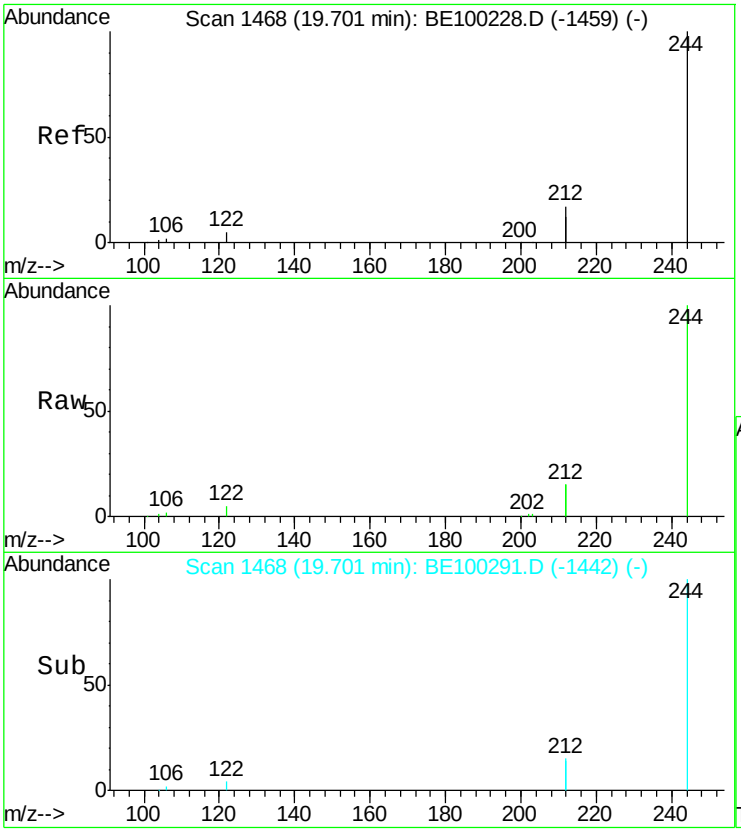


#28
Pyrene
Concen: 0.480 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:202 Resp: 31534

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.6	23.4
203	17.4	14.0	21.0



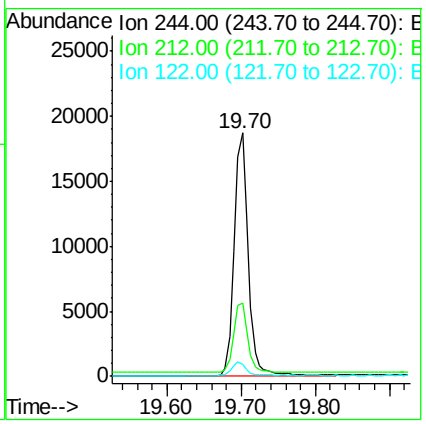


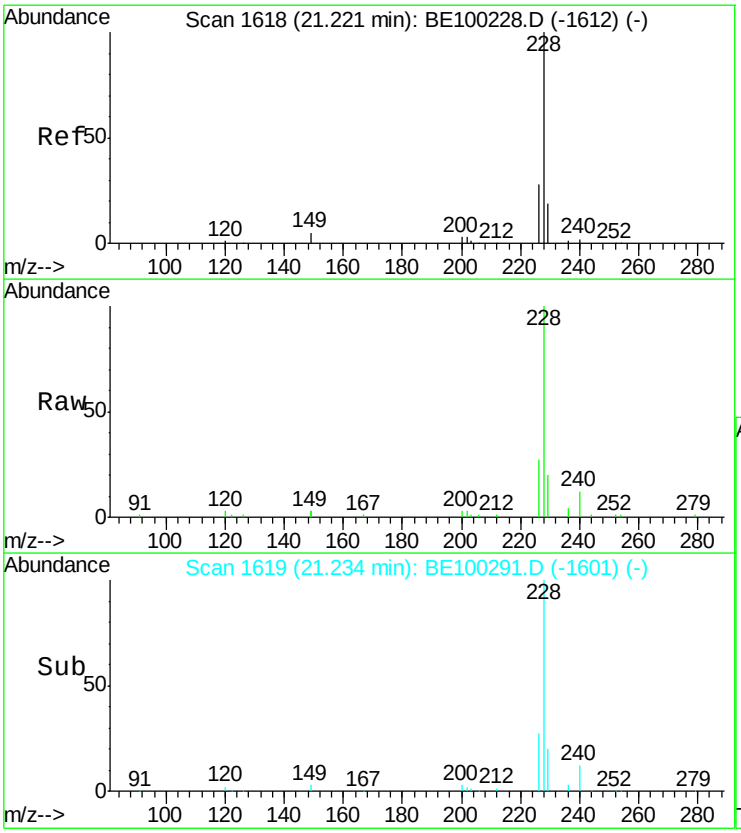
#29
Terphenyl-d14
Concen: 0.477 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 24501

Ion	Ratio	Lower	Upper
244	100		
212	30.1	27.3	40.9
122	4.7	4.7	7.1#

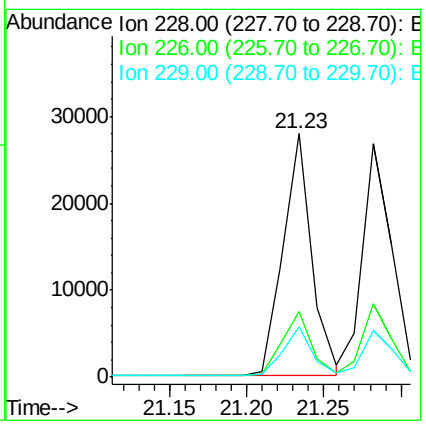


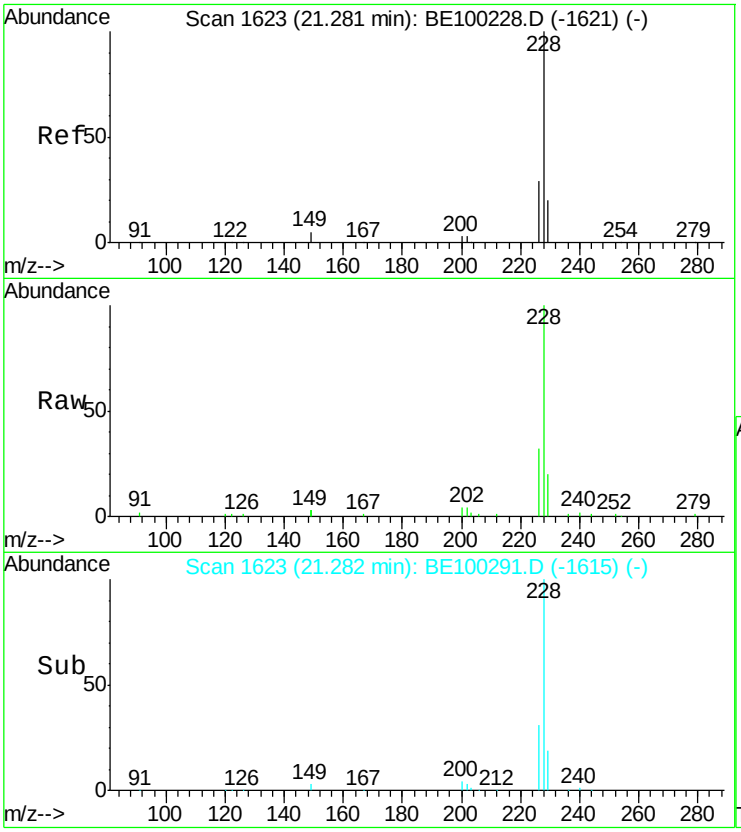


#30
Benzo(a)anthracene
Concen: 0.445 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:228 Resp: 36291

Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.2	34.8
229	20.5	15.7	23.5



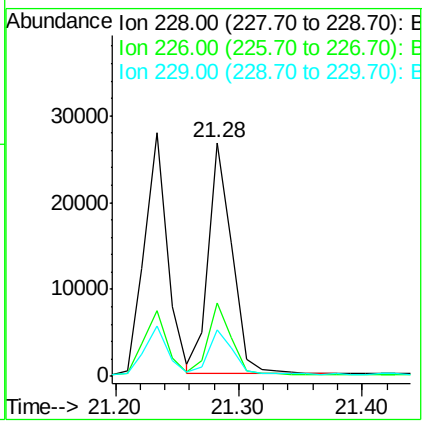


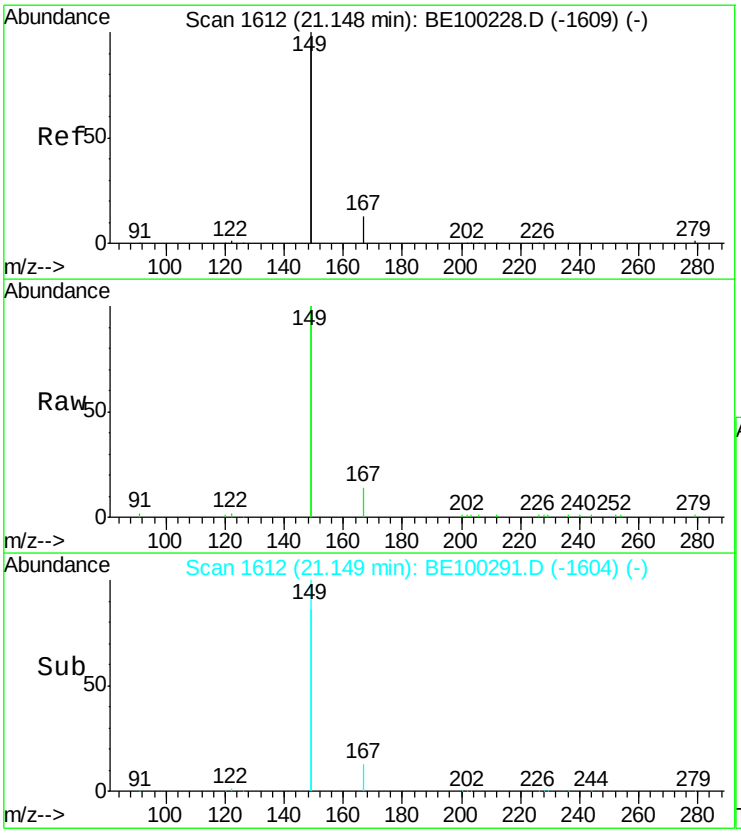
#31
Chrysene
Concen: 0.435 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 35616

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.9	35.9
229	19.8	16.5	24.7

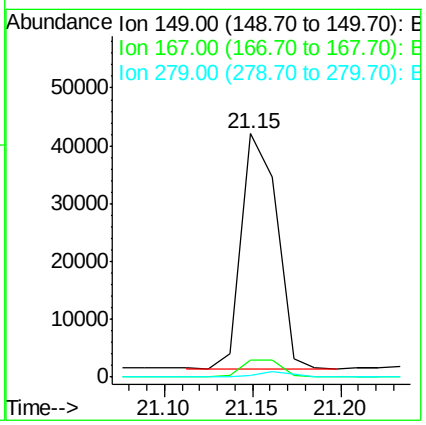


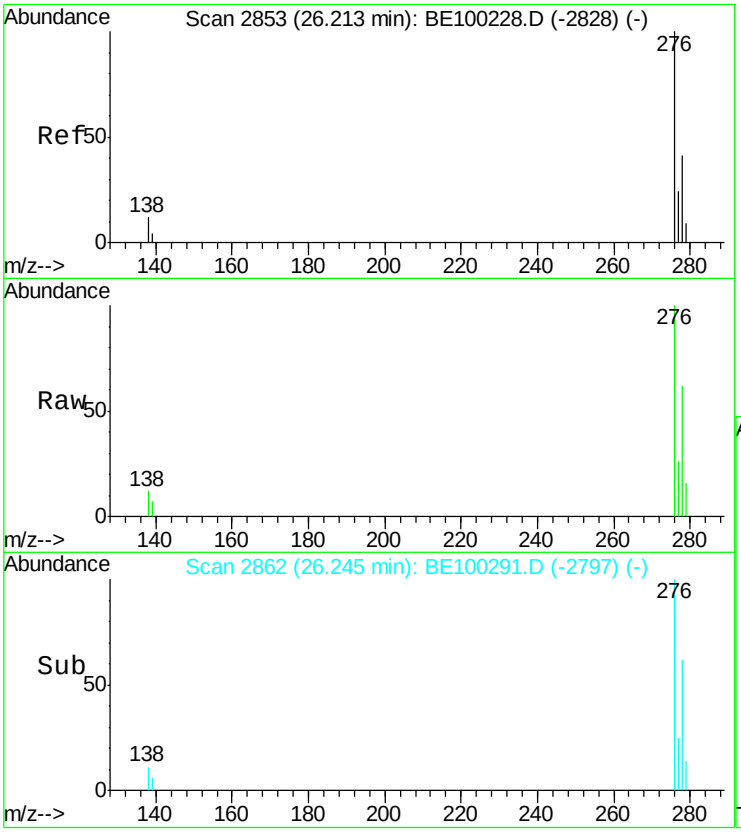


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.434 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:149 Resp: 56643

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.8
279	1.6	1.1	1.7



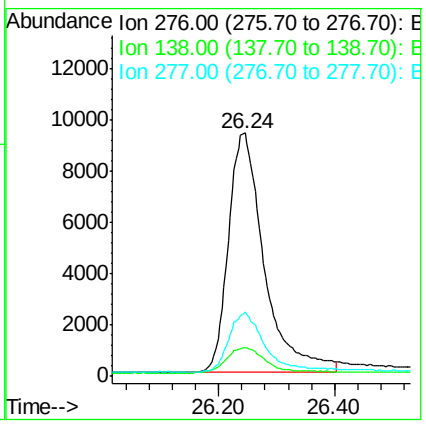


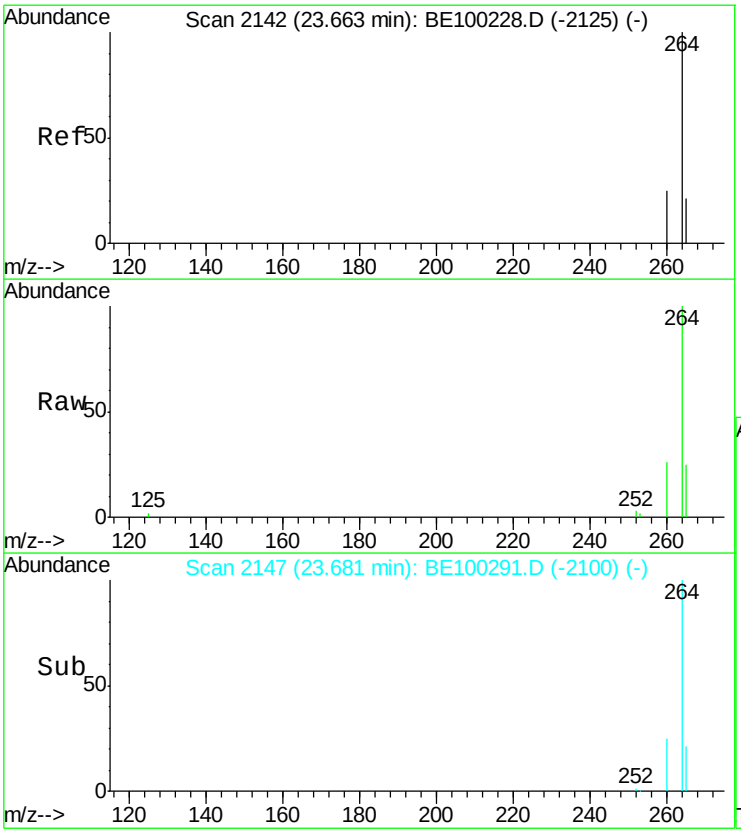
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 26.24 min Scan# 2862
Delta R.T. 0.03 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 39983

Ion	Ratio	Lower	Upper
276	100		
138	11.4	9.4	14.0
277	24.4	19.2	28.8

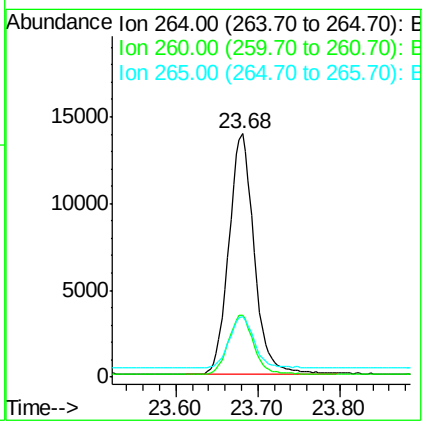


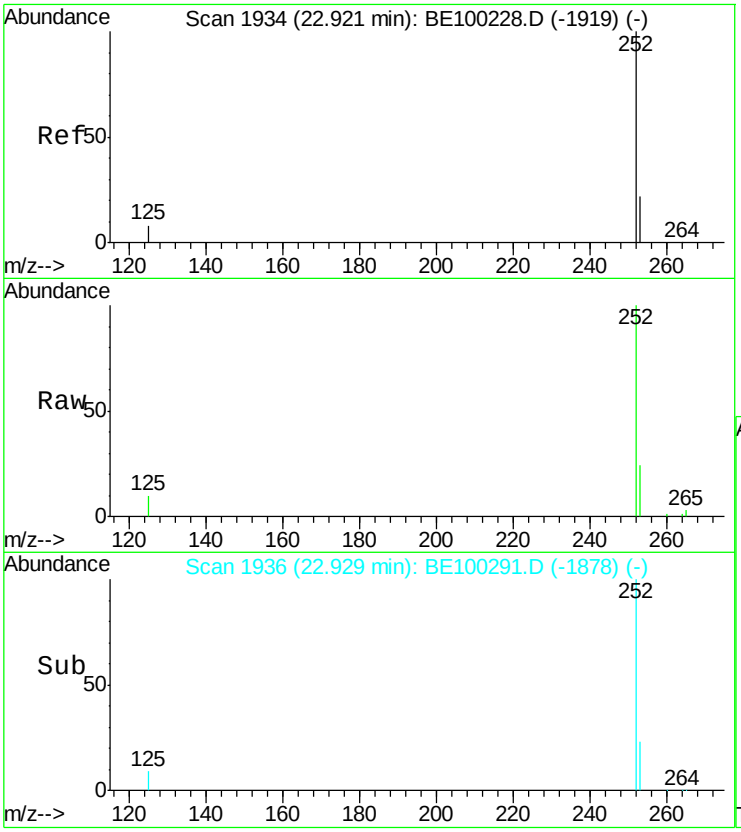


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2147
Delta R.T. 0.02 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:264 Resp: 29936

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.8	31.2
265	24.9	21.8	32.6



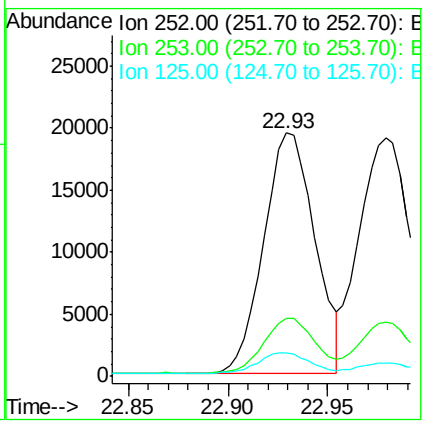


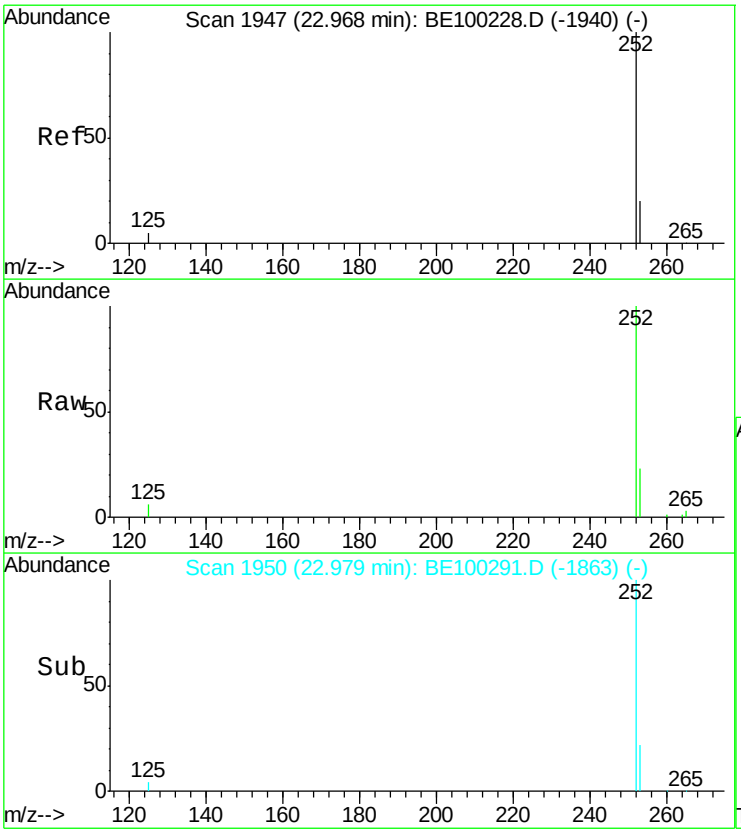
#35
Benzo(b)fluoranthene
Concen: 0.428 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 34762

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.2	28.8
125	9.8	7.4	11.0

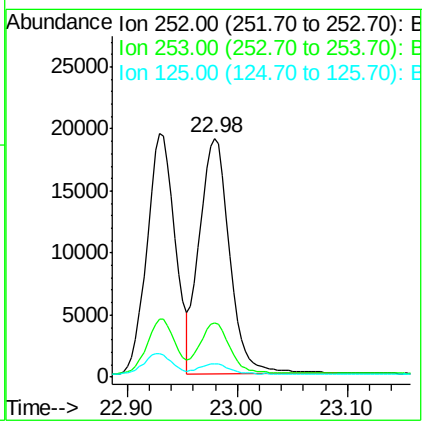


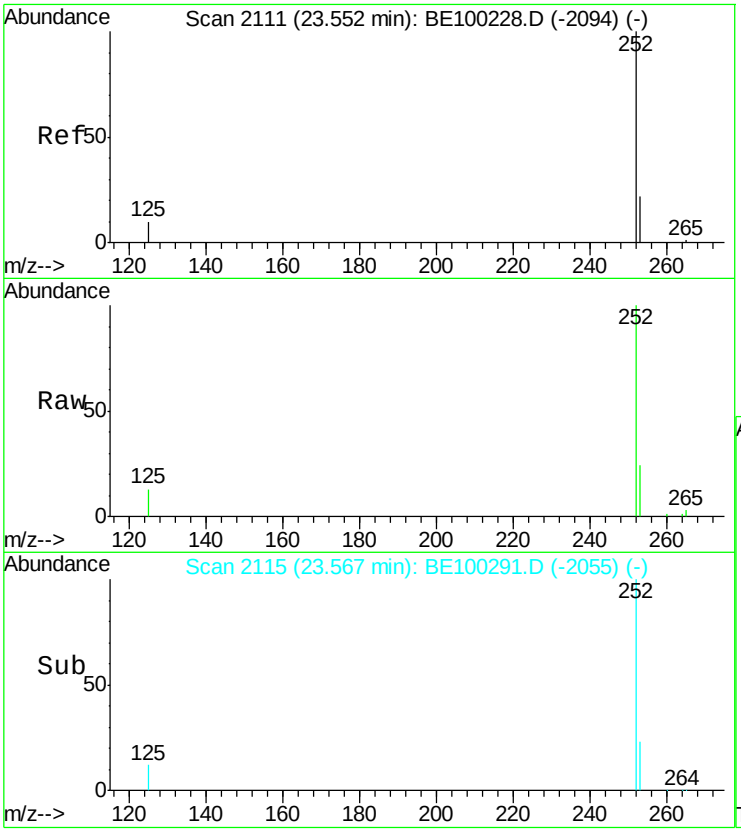


#36
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:252 Resp: 36100

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	5.6	5.0	7.4



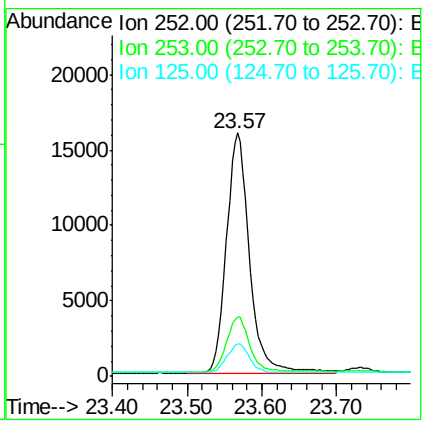


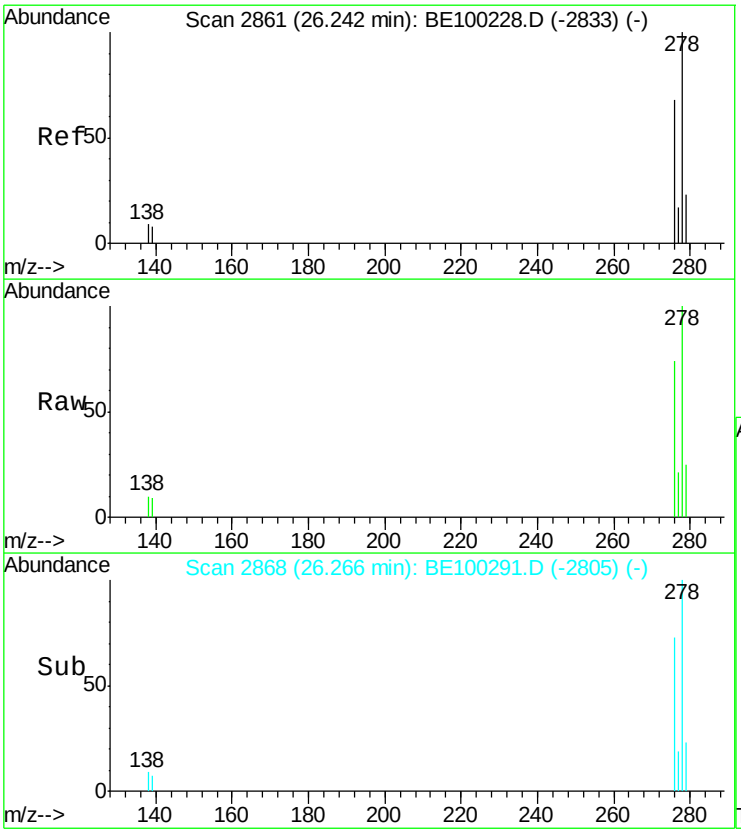
#37
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 34232

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.6	29.4
125	13.4	9.0	13.6

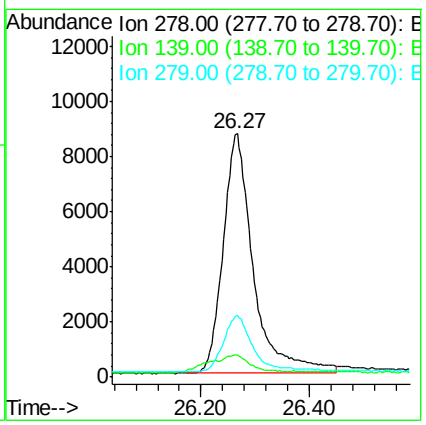


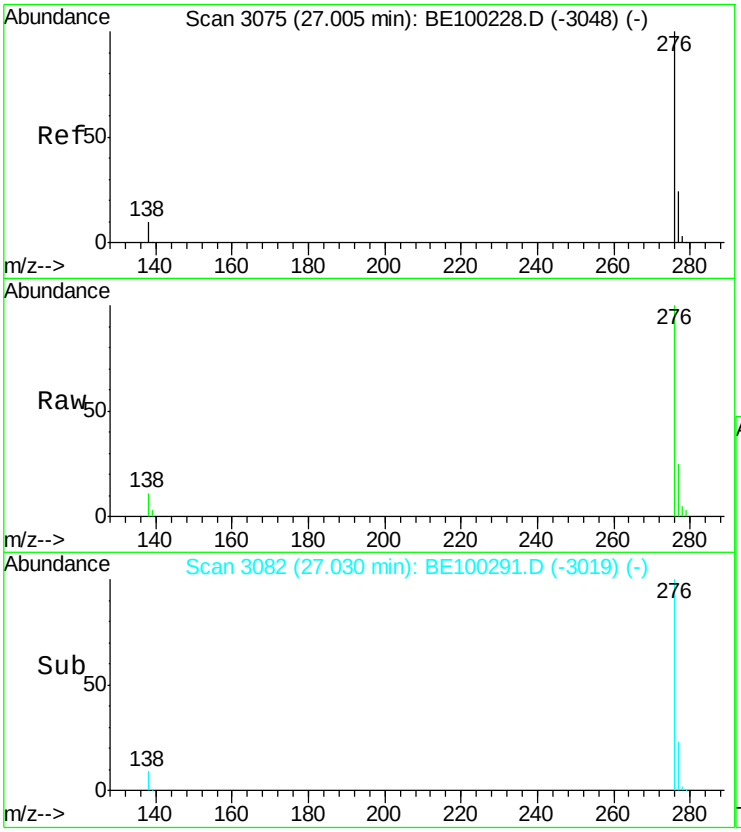


#38
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 26.27 min Scan# 2868
Delta R.T. 0.02 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Tgt Ion:278 Resp: 33733

Ion	Ratio	Lower	Upper
278	100		
139	9.1	8.2	12.2
279	25.2	20.3	30.5





#39
Benzo(g,h,i)perylene
Concen: 0.350 ng
RT: 27.03 min Scan# 3082
Delta R.T. 0.02 min
Lab File: BE100291.D
Acq: 2 Jul 2019 7:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 30535

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	10.9	9.0	13.6