Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100206.D
Acq On : 27 Jun 2019 16:03
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 27 19:17:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 19:12:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	755	0.40	ng		0.00
7) Naphthalene-d8	10.45	136	2576	0.40	ng		0.00
13) Acenaphthene-d10	14.33	164	2117	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	6415	0.40	ng		0.00
27) Chrysene-d12	21.24	240	8396	0.40	ng		0.00
34) Perylene-d12	23.67	264	9225	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	815	0.49	ng		0.00
5) Phenol-d6	6.84	99	992	0.43	ng		0.00
8) Nitrobenzene-d5	8.82	82	1083	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	1992	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	473	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	3263	0.38	ng		0.00
25) Fluoranthene-d10	19.10	212	36168	0.39	ng		0.00
29) Terphenyl-d14	19.70	244	7324	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	459	0.388	ng		99
3) n-Nitrosodimethylamine	3.49	42	191	0.437	ng	#	99
6) bis(2-Chloroethyl)ether	7.09	93	896	0.424	ng		93
9) Naphthalene	10.50	128	11798	0.420	ng		100
10) Hexachlorobutadiene	10.77	225	1180	0.406	ng		99
12) 2-Methylnaphthalene	12.12	142	1916	0.423	ng		100
16) Acenaphthylene	14.04	152	4003	0.388	ng		100
17) Acenaphthene	14.38	154	2355	0.407	ng		99
18) Fluorene	15.37	166	3465	0.414	ng		100
20) 4-Bromophenyl-phenylether	16.26	248	1595	0.401	ng		100
21) Hexachlorobenzene	16.37	284	1800	0.412	ng		100
22) Pentachlorophenol	16.73	266	382	0.531	ng		100
23) Phenanthrene	17.11	178	6436	0.424	ng		100
24) Anthracene	17.20	178	5598	0.436	ng		100
26) Fluoranthene	19.13	202	9789	0.396	ng		100
28) Pyrene	19.49	202	9990	0.465	ng		100
30) Benzo(a)anthracene	21.23	228	11001	0.444	ng		100
31) Chrysene	21.28	228	11668	0.402	ng		100
32) Bis(2-ethylhexyl)phthalate	21.16	149	17075	0.600	ng		100
33) Indeno(1,2,3-cd)pyrene	26.22	276	13038	0.315	ng		100
35) Benzo(b)fluoranthene	22.92	252	10539	0.425	ng		100
36) Benzo(k)fluoranthene	22.97	252	11635	0.392	ng		100
37) Benzo(a)pyrene	23.56	252	10400	0.405	ng		100
38) Dibenzo(a,h)anthracene	26.25	278	9901	0.360	ng		100
39) Benzo(g,h,i)perylene	27.00	276	11104	0.387	ng		100

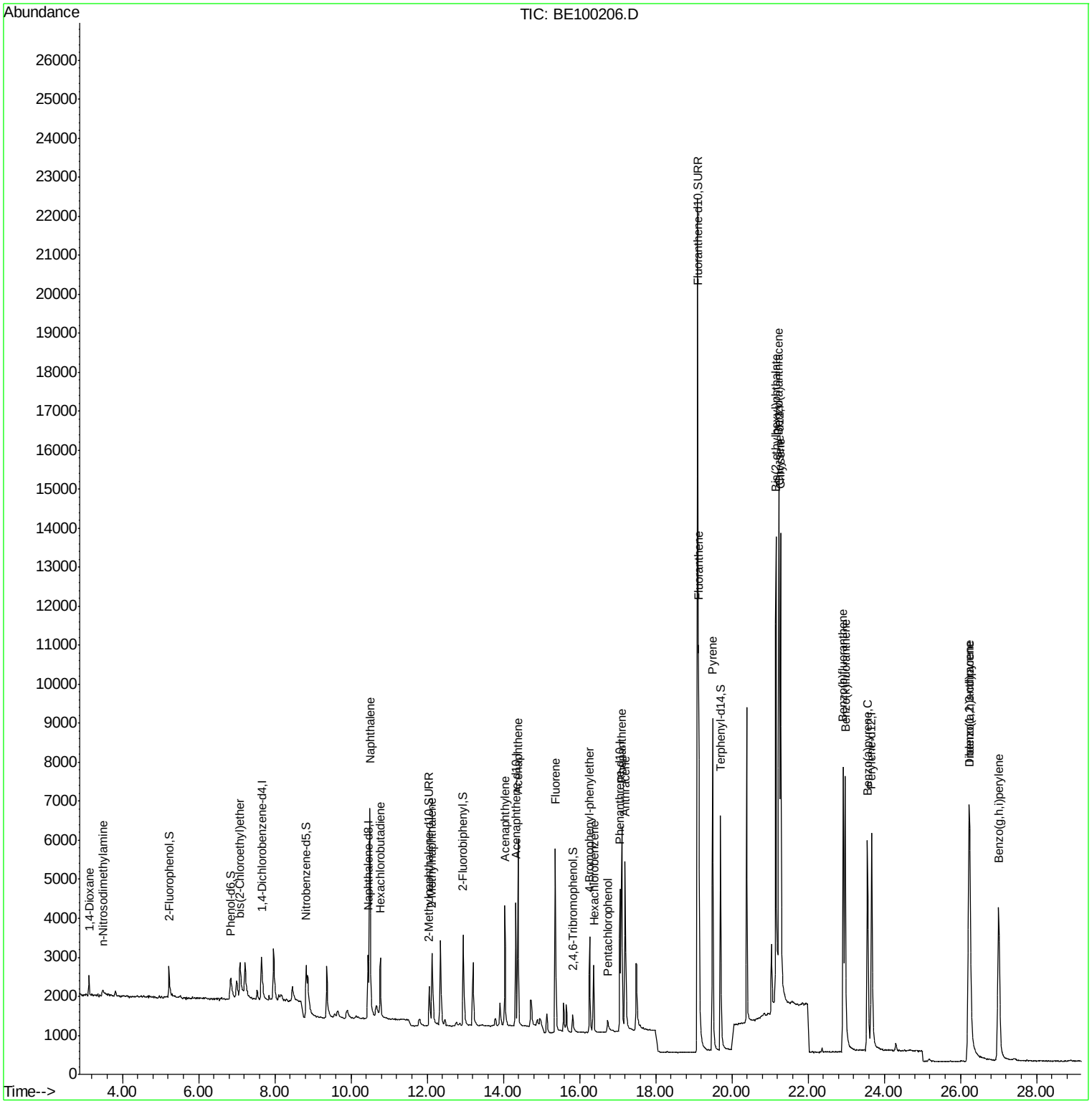
(#) = qualifier out of range (m) = manual integration (+) = signals summed

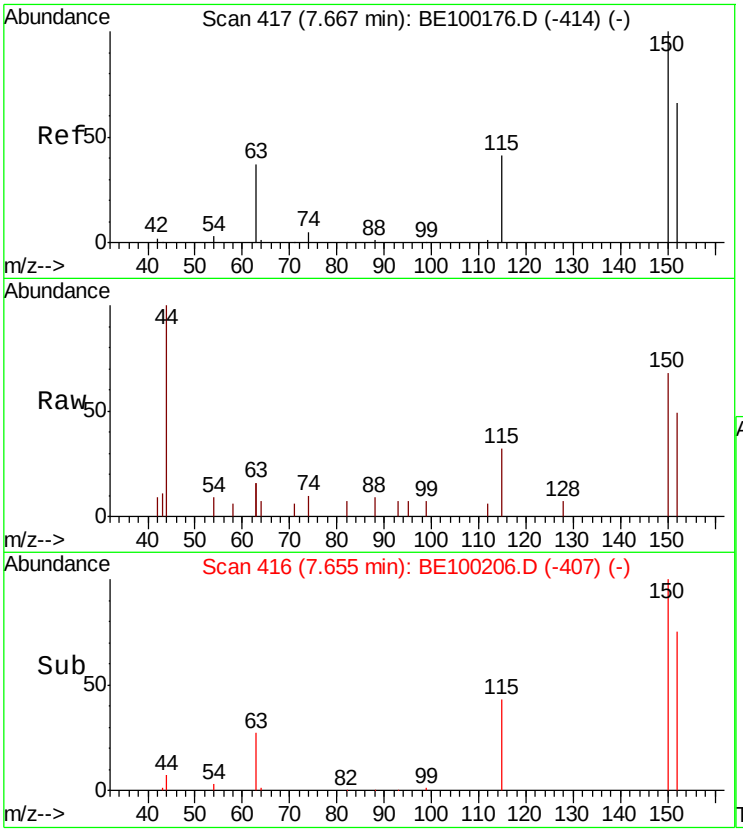
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100206.D
Acq On : 27 Jun 2019 16:03
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 27 19:17:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 19:12:41 2019
Response via : Initial Calibration



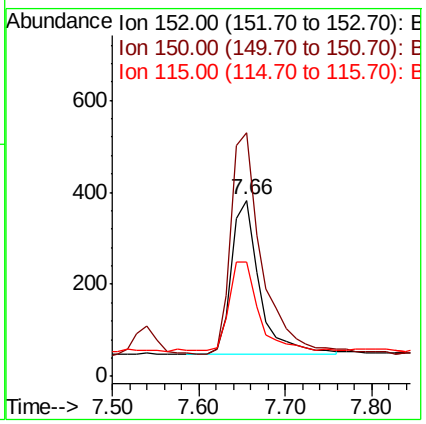


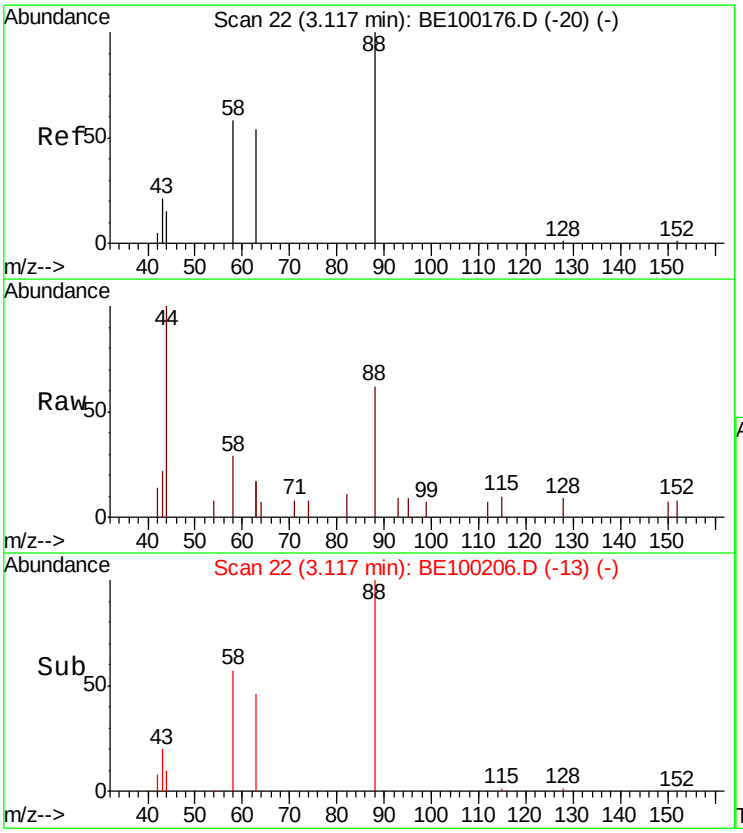
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 416
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 755

Ion	Ratio	Lower	Upper
152	100		
150	138.5	110.8	166.2
115	65.2	52.2	78.2

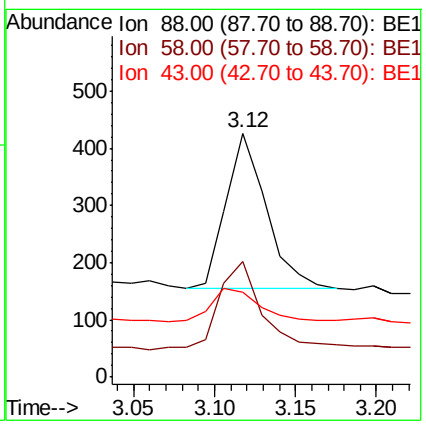


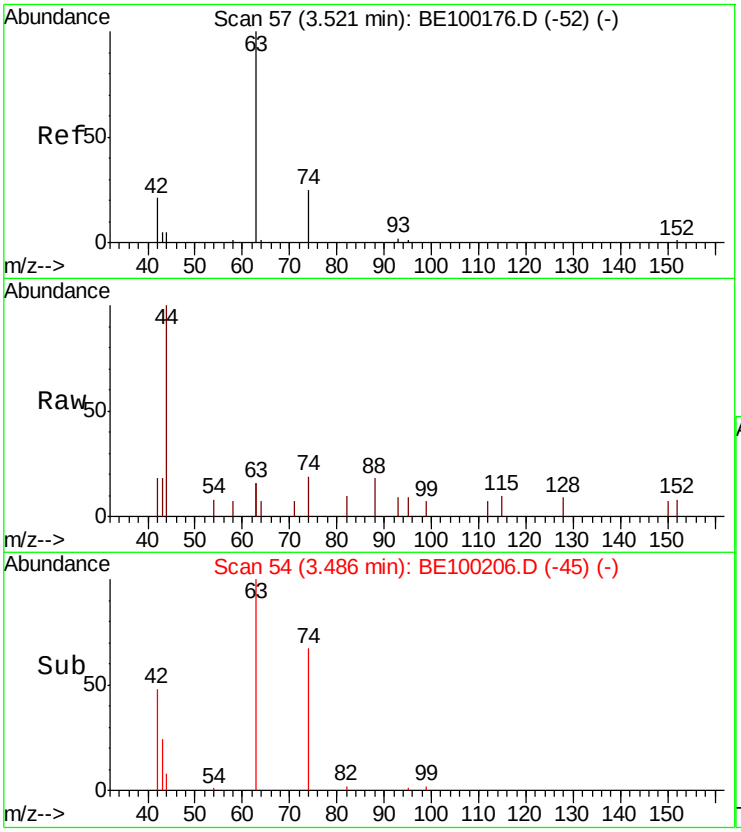


#2
1,4-Dioxane
Concen: 0.388 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion: 88 Resp: 459

Ion	Ratio	Lower	Upper
88	100		
58	63.4	49.7	74.5
43	27.0	21.6	32.4

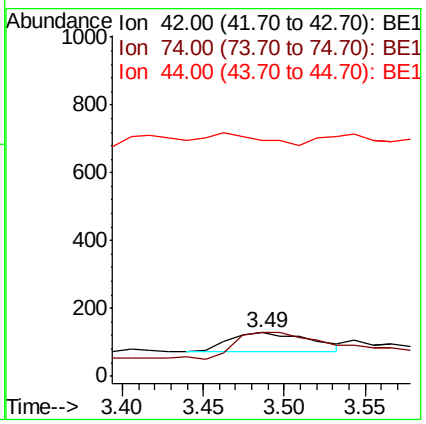




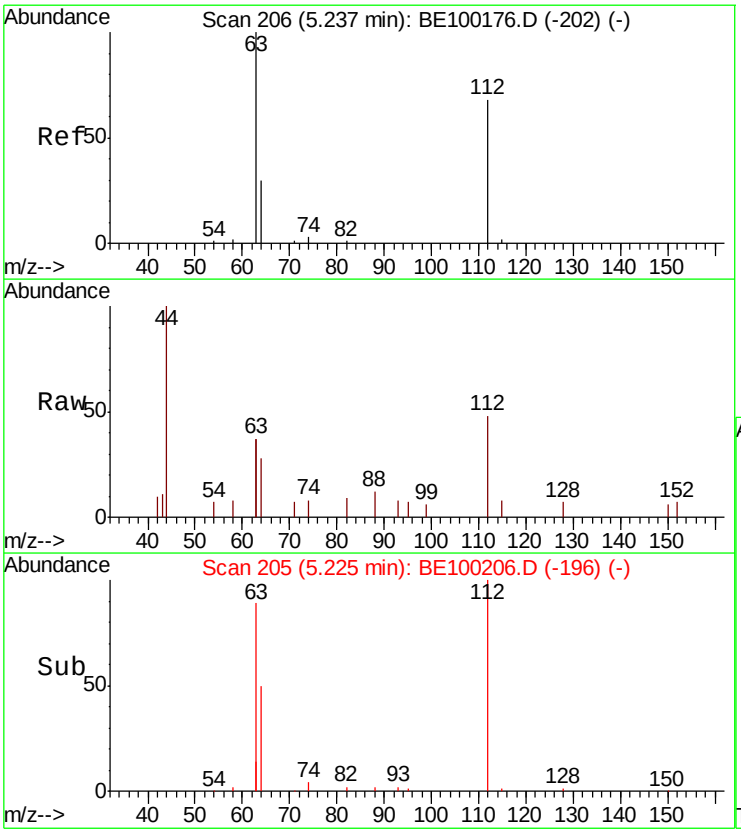
#3
n-Nitrosodimethylamine
Concen: 0.437 ng
RT: 3.49 min Scan# 54
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion: 42 Resp: 191

Ion	Ratio	Lower	Upper
42	100		
74	153.9	124.1	186.1
44	0.0	0.0	0.0



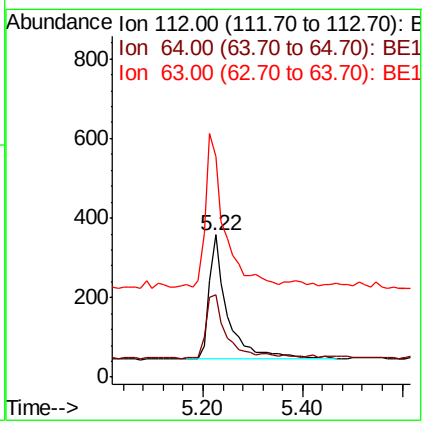
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

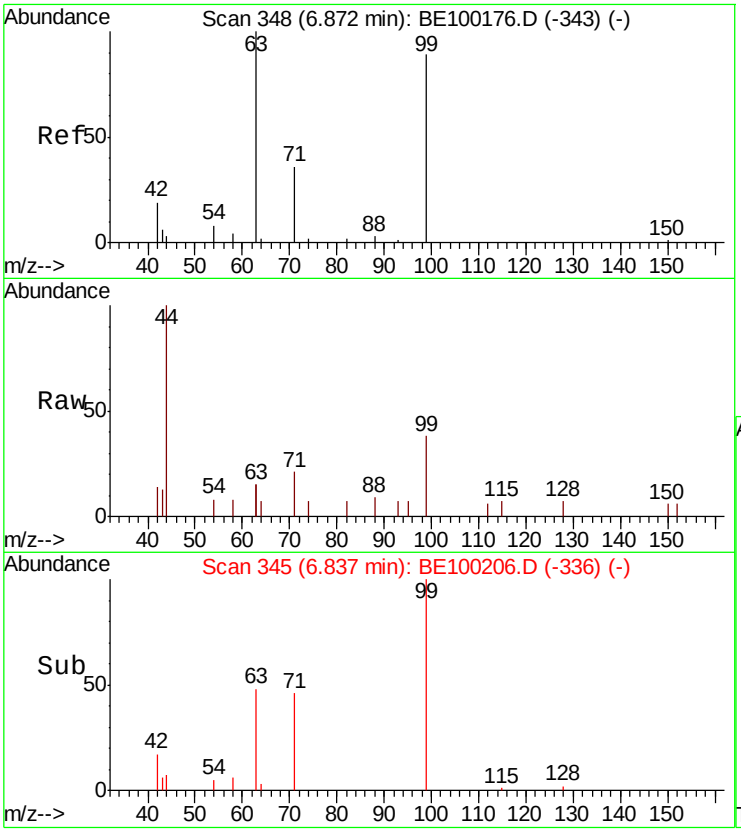


#4
2-Fluorophenol
Concen: 0.486 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:112 Resp: 815

Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.1	67.7
63	120.9	94.2	141.4



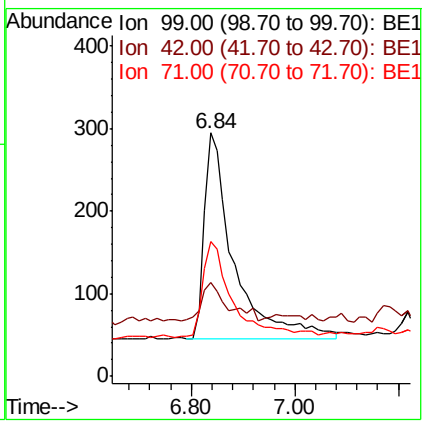


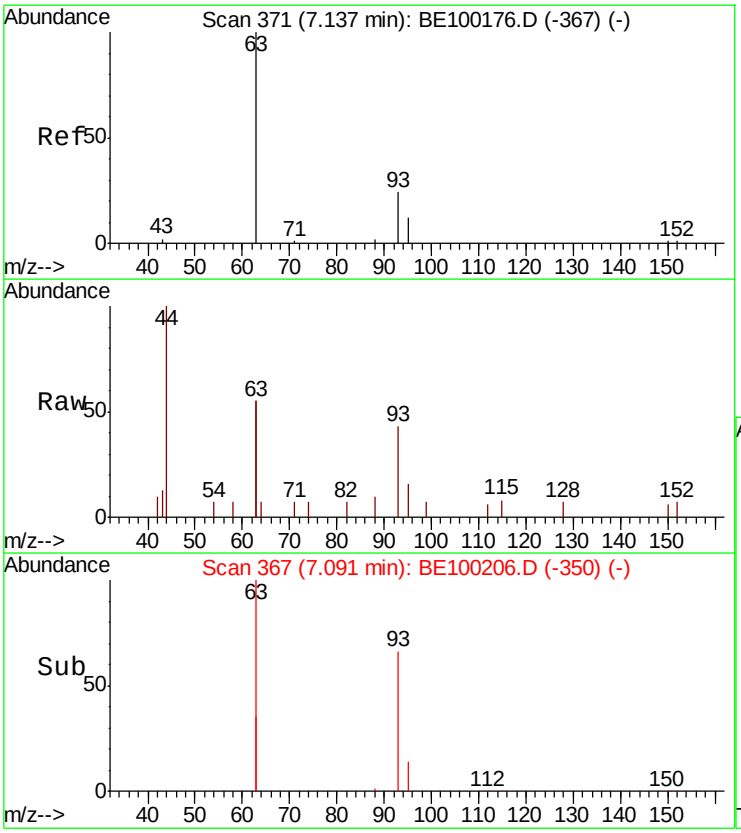
#5
Phenol-d6
Concen: 0.430 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 992

Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.6	18.8
71	45.6	34.8	52.2

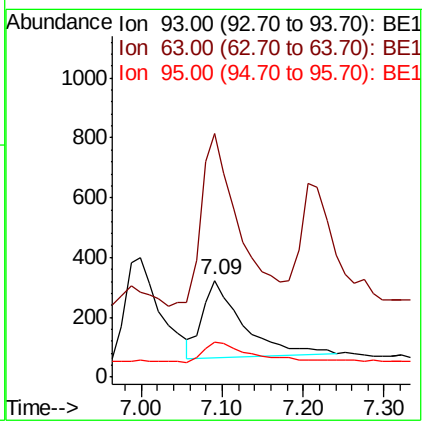


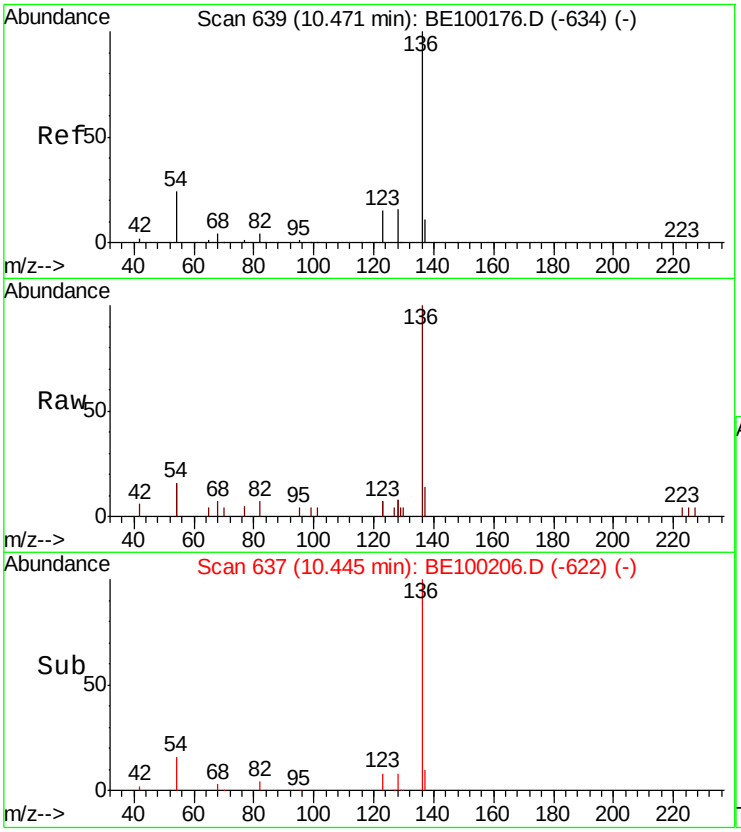


#6
bis(2-Chloroethyl)ether
Concen: 0.424 ng
RT: 7.09 min Scan# 367
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion: 93 Resp: 896

Ion	Ratio	Lower	Upper
93	100		
63	207.9	157.2	235.8
95	28.3	22.4	33.6



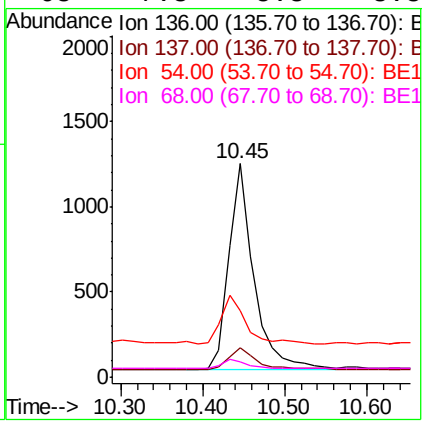


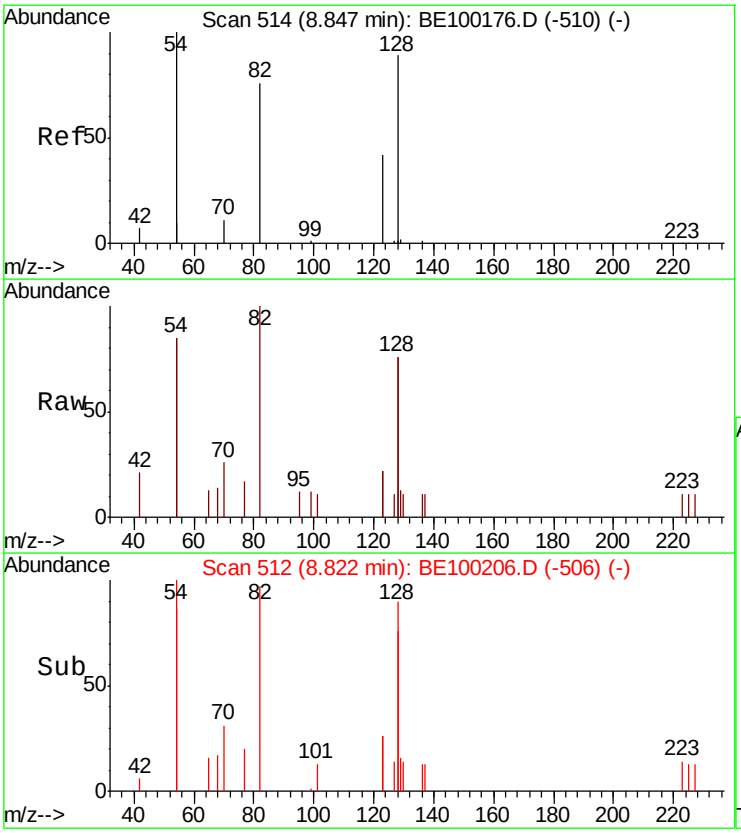
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.45 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 2576

Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.0	16.4
54	31.3	25.0	37.6
68	7.3	5.8	8.8

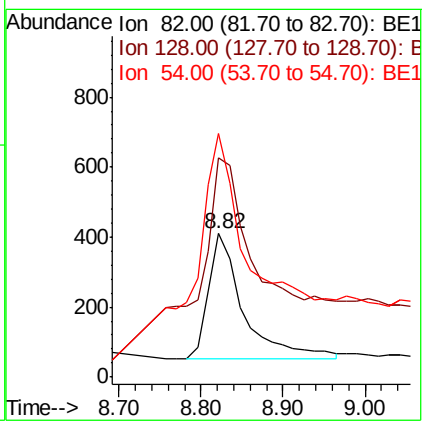


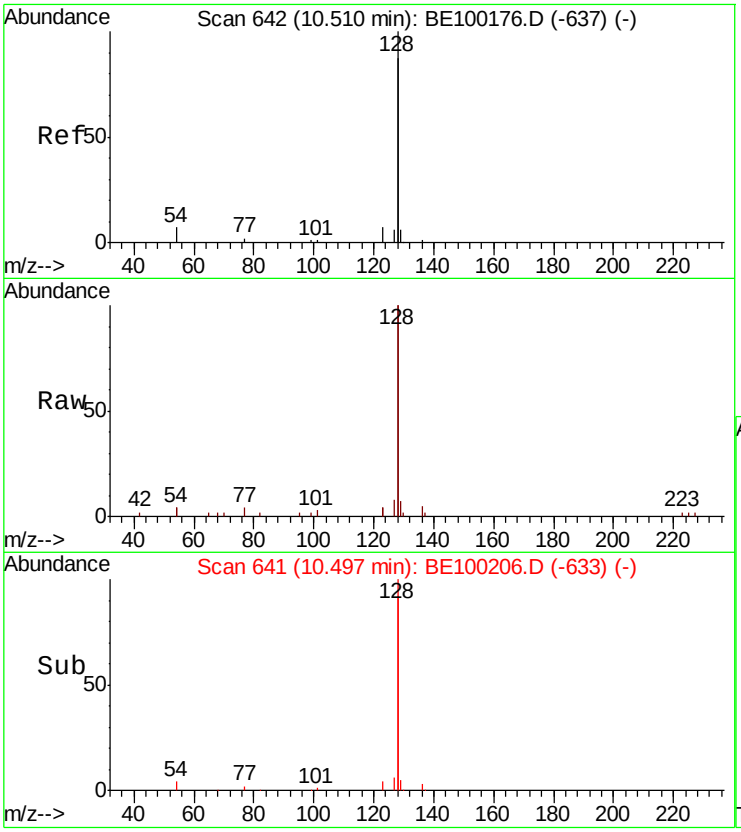


#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.82 min Scan# 512
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion: 82 Resp: 1083

Ion	Ratio	Lower	Upper
82	100		
128	152.7	122.2	183.2
54	169.8	135.8	203.8



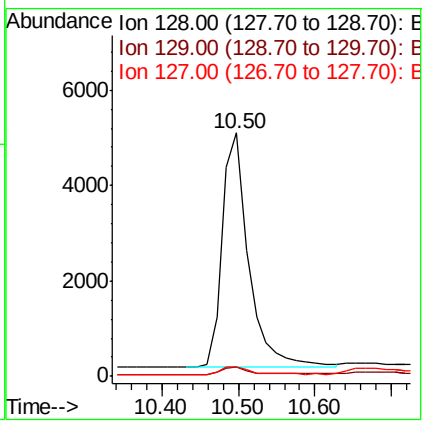


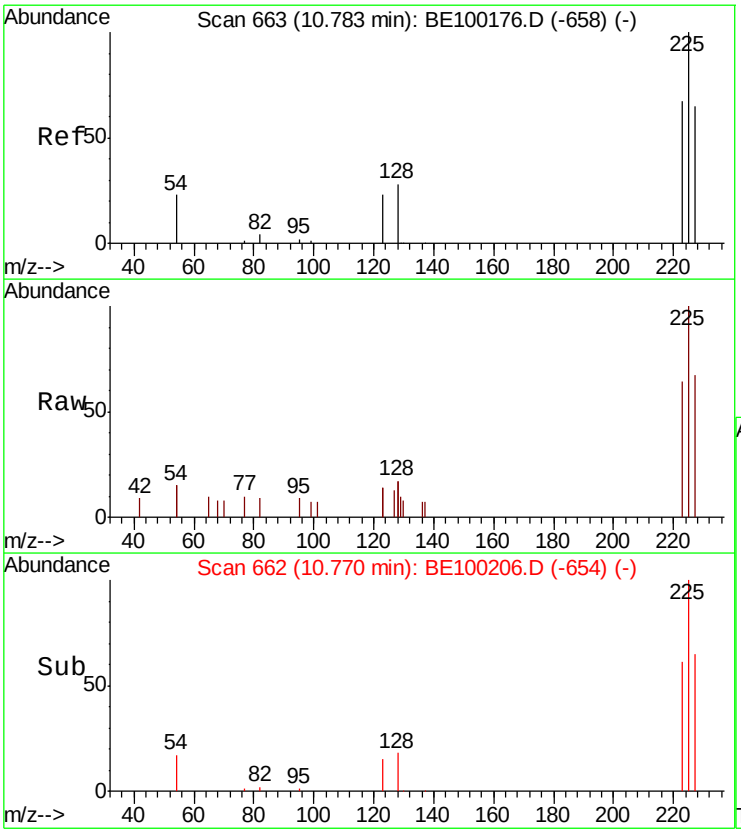
#9
Naphthalene
Concen: 0.420 ng
RT: 10.50 min Scan# 641
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 11798

Ion	Ratio	Lower	Upper
128	100		
129	3.7	3.0	4.4
127	4.0	3.2	4.8

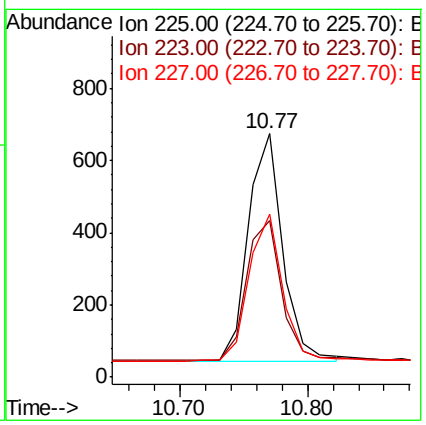


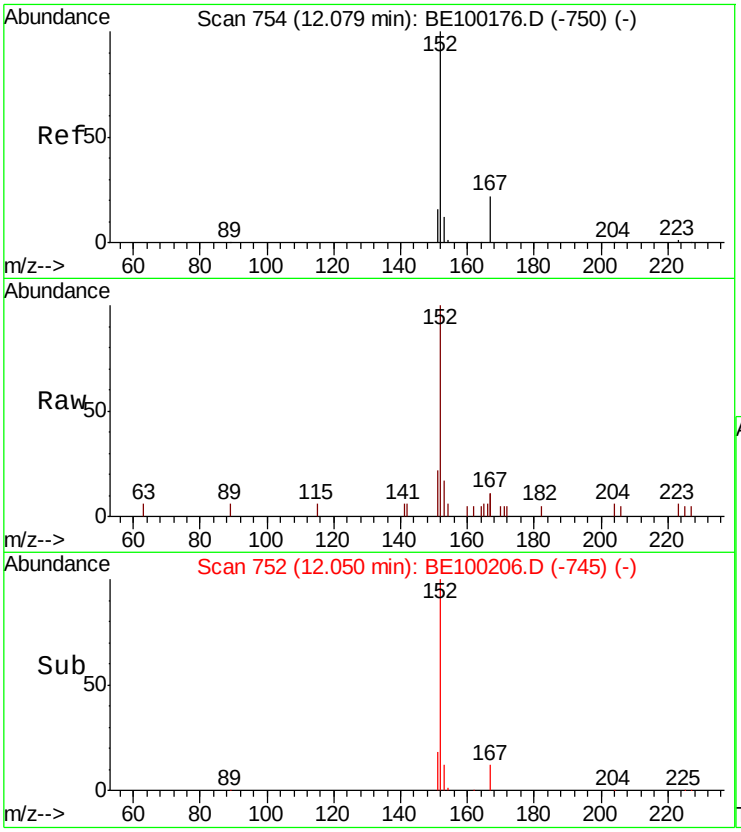


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 10.77 min Scan# 662
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:225 Resp: 1180

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.1	75.1
227	64.0	51.1	76.7



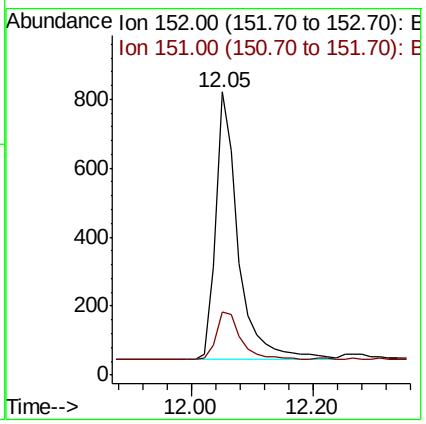


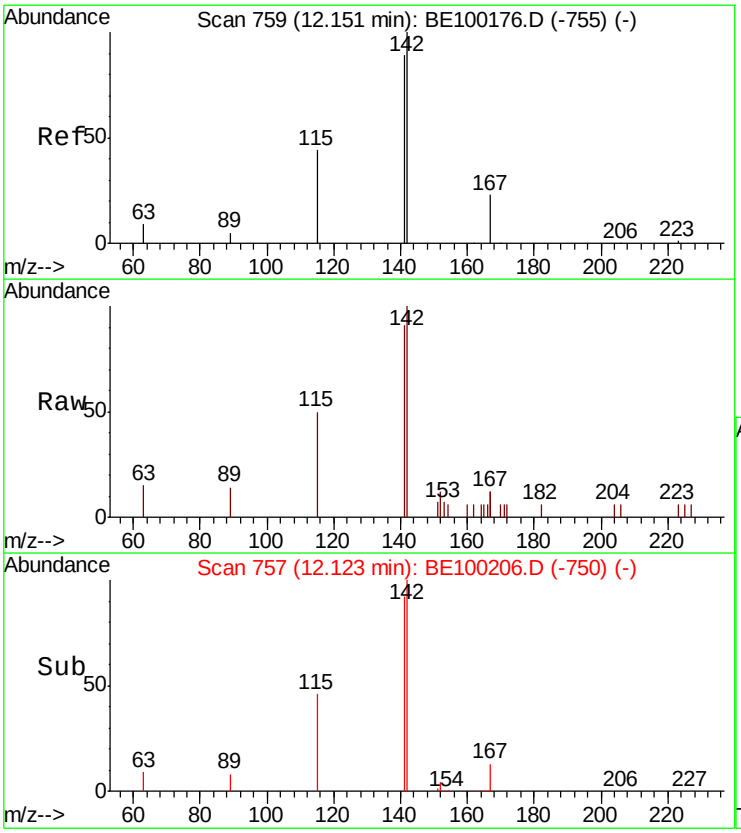
#11
2-Methylnaphthalene-d10
Concen: 0.412 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1992

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9

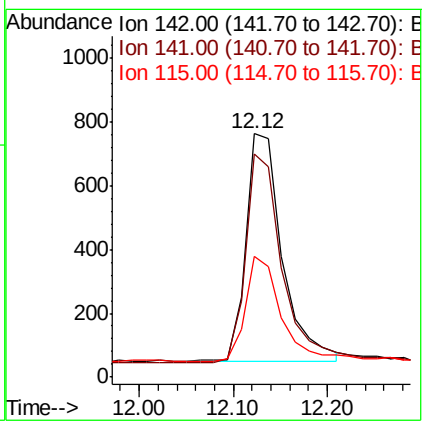


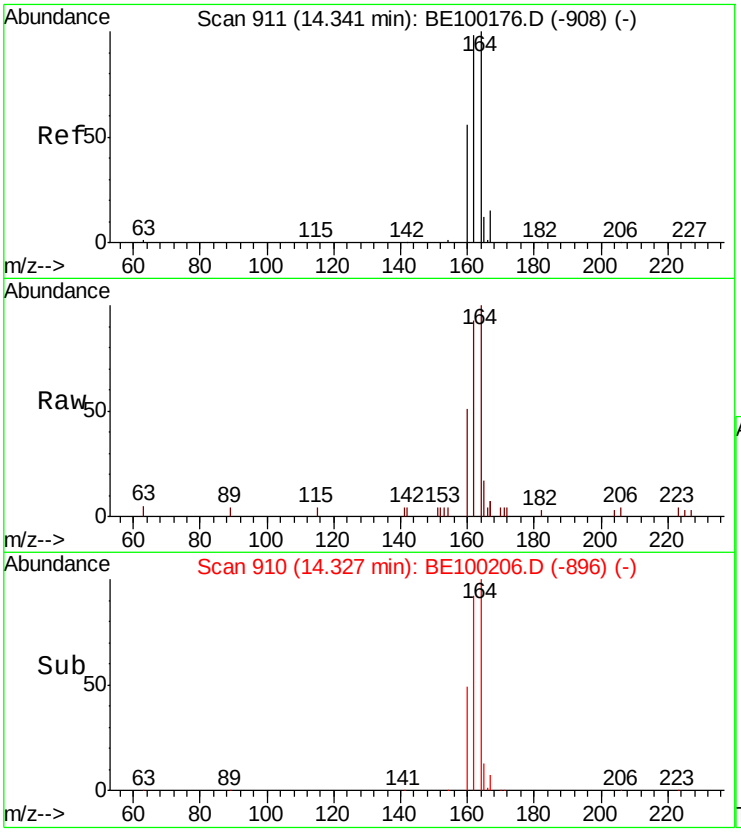


#12
2-Methylnaphthalene
Concen: 0.423 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:142 Resp: 1916

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8
115	49.7	39.8	59.6



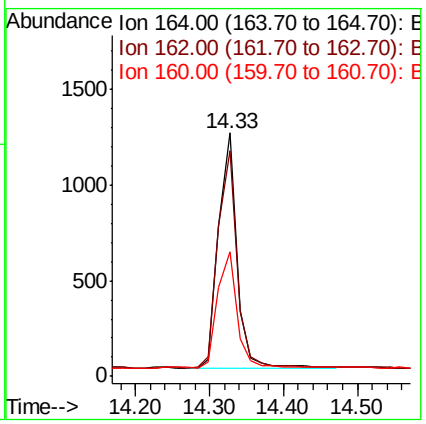


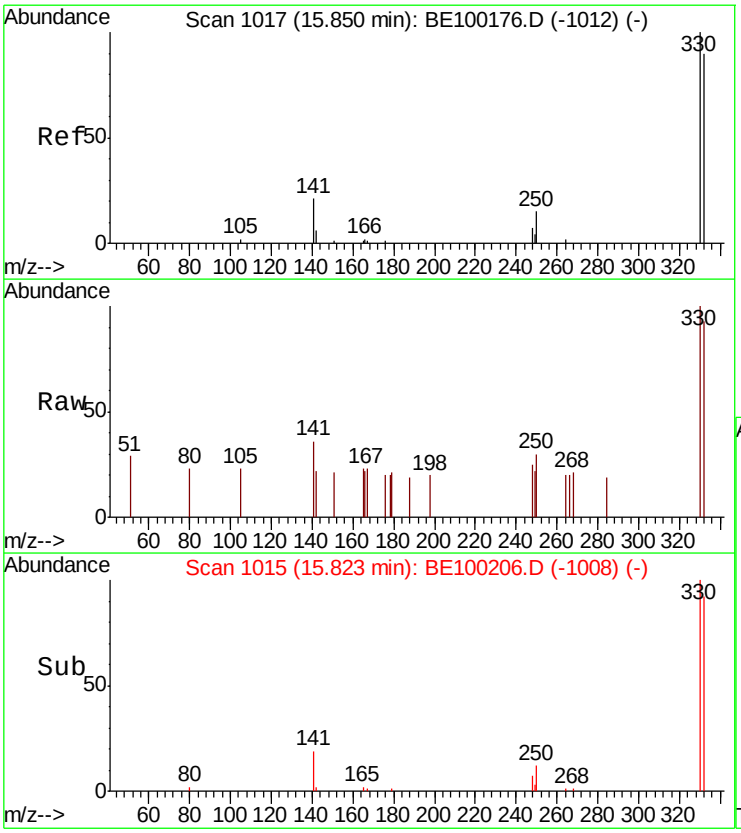
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2117

Ion	Ratio	Lower	Upper
164	100		
162	92.5	74.0	111.0
160	51.1	40.9	61.3

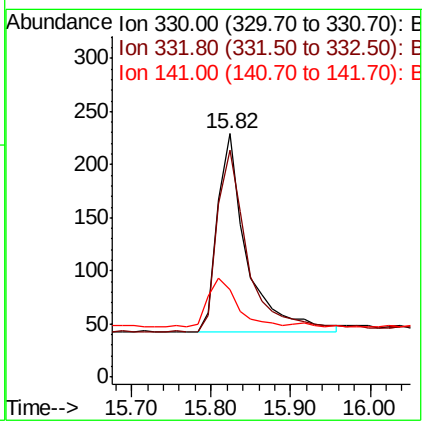


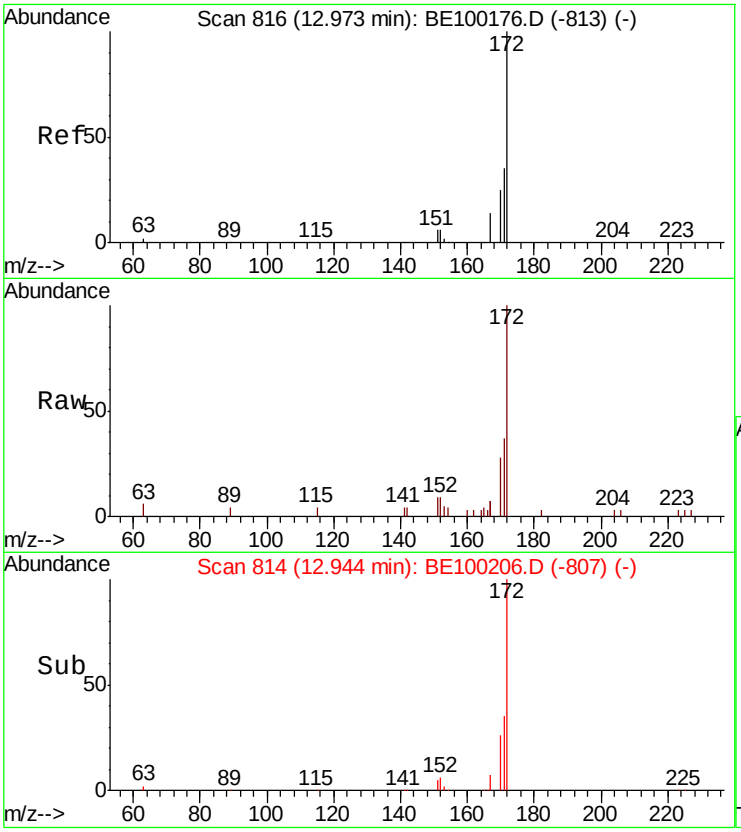


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.82 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:330 Resp: 473

Ion	Ratio	Lower	Upper
330	100		
332	99.4	79.5	119.3
141	24.9	19.9	29.9



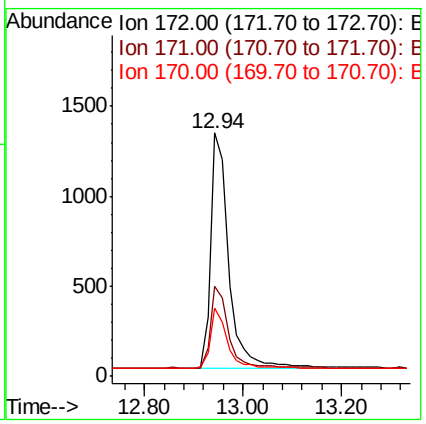


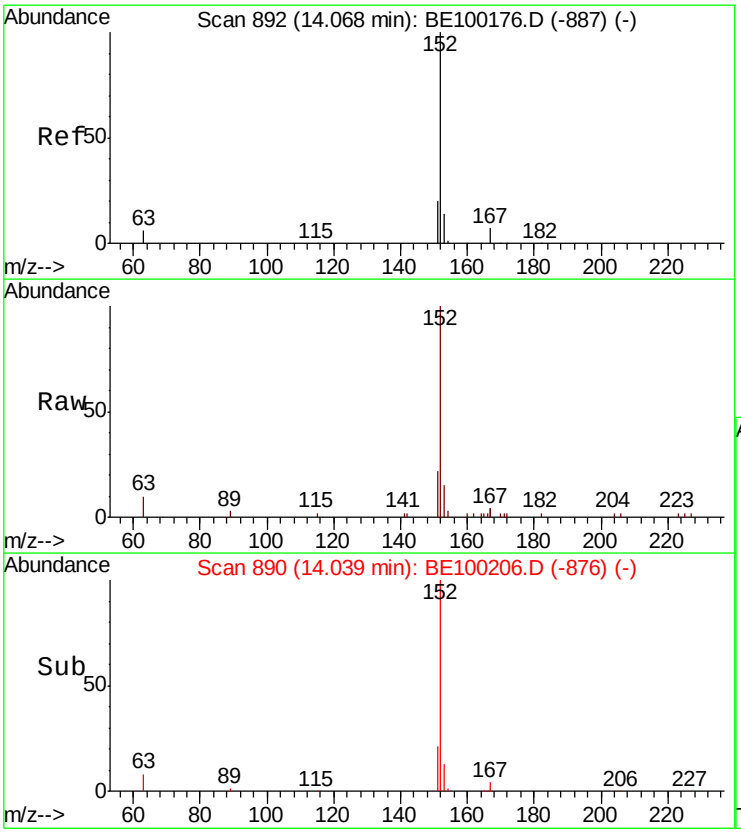
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3263

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	28.1	22.5	33.7

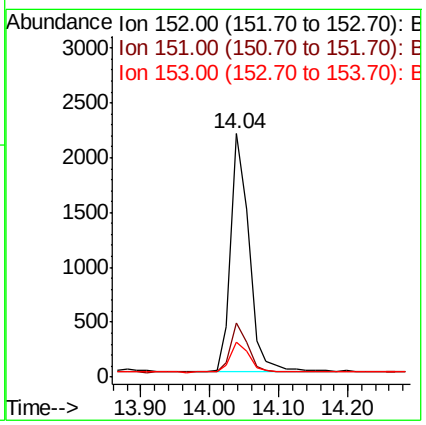


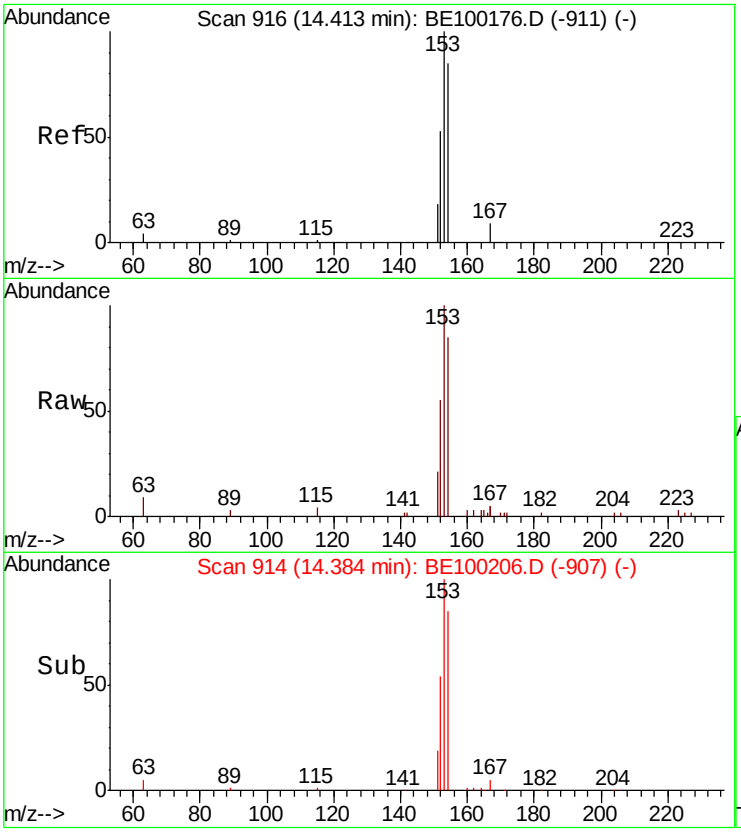


#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:152 Resp: 4003

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.4	10.7	16.1



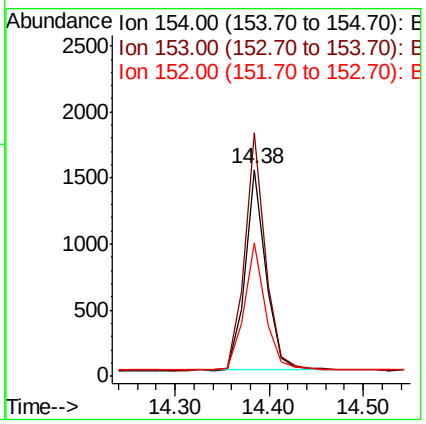


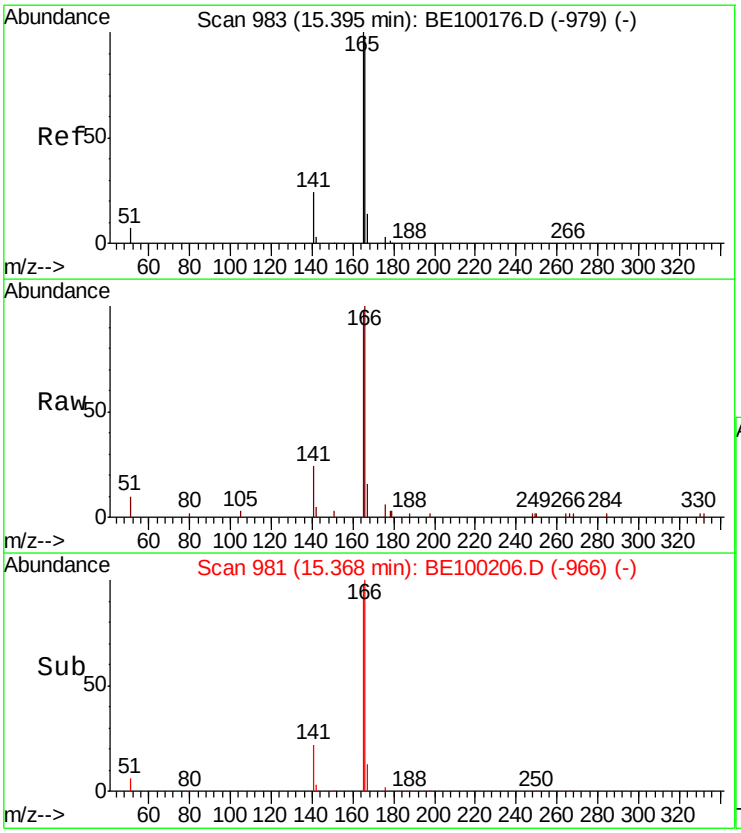
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2355

Ion	Ratio	Lower	Upper
154	100		
153	118.5	94.2	141.2
152	64.5	51.4	77.2

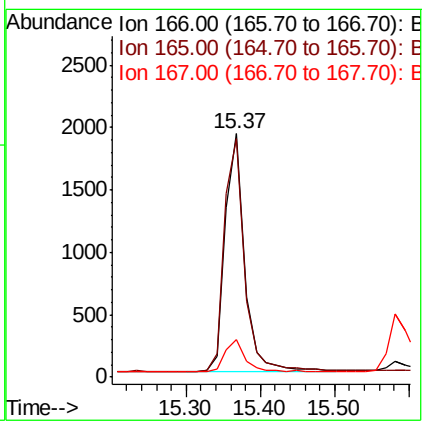


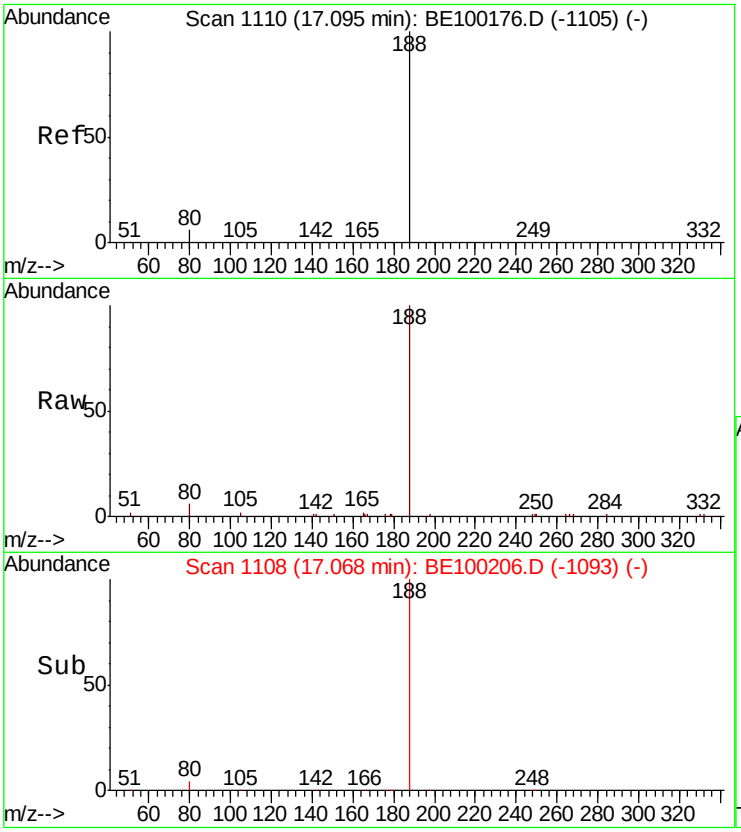


#18
Fluorene
Concen: 0.414 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:166 Resp: 3465

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.6	122.4
167	13.5	10.7	16.1



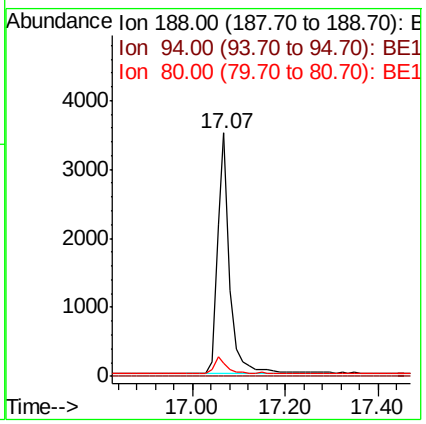


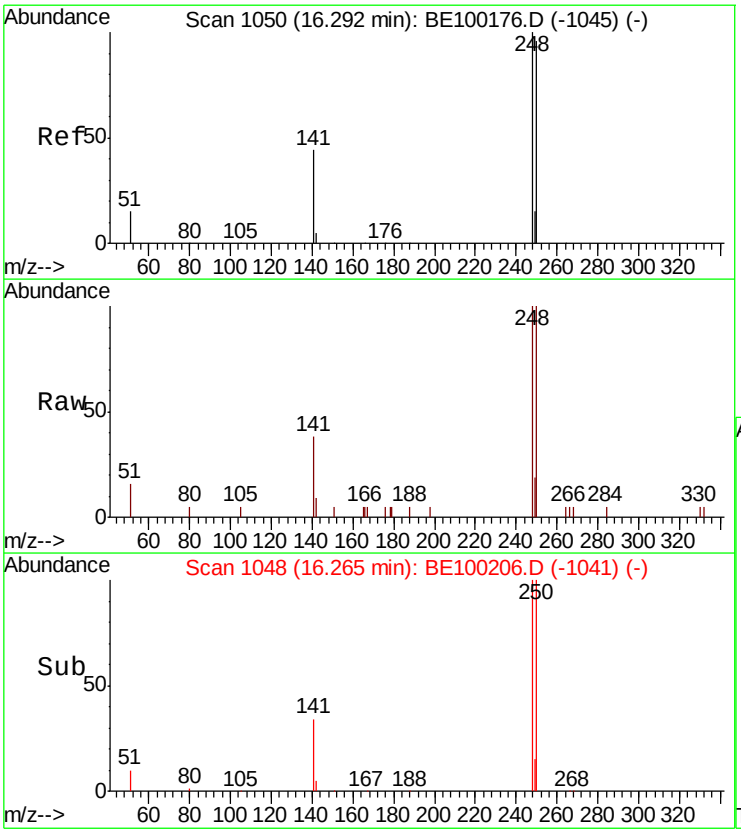
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 6415

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	4.6	6.8

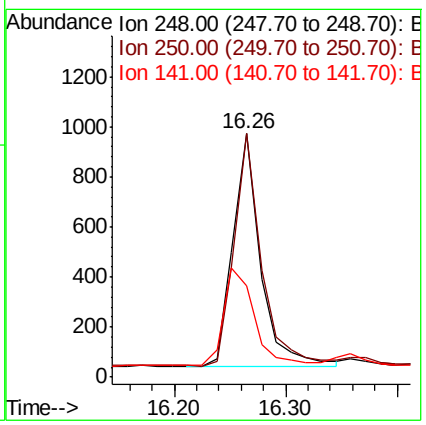


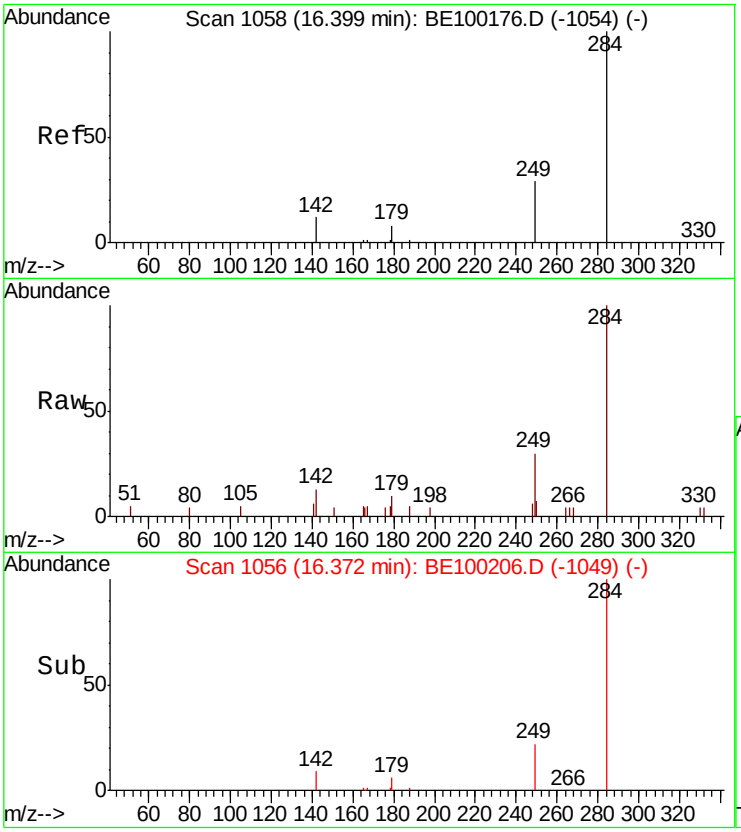


#20
4-Bromophenyl-phenylether
Concen: 0.401 ng
RT: 16.26 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:248 Resp: 1595

Ion	Ratio	Lower	Upper
248	100		
250	99.9	79.9	119.9
141	37.6	30.1	45.1



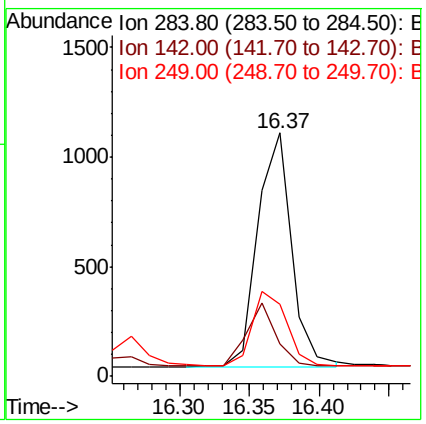


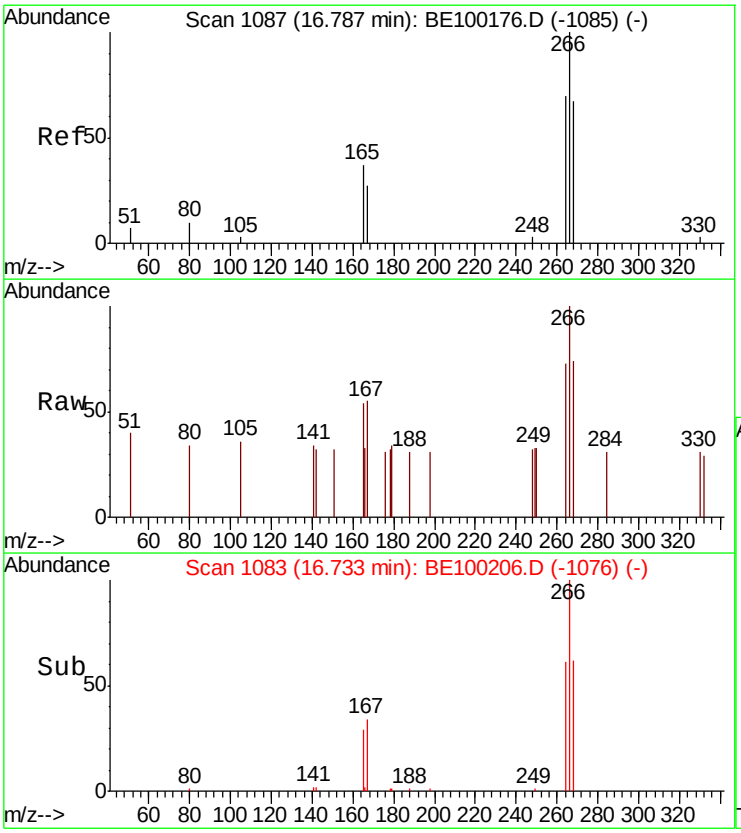
#21
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1800

Ion	Ratio	Lower	Upper
284	100		
142	23.7	19.0	28.6
249	32.7	26.0	39.0

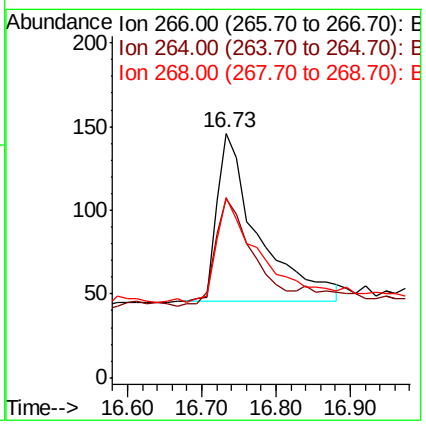


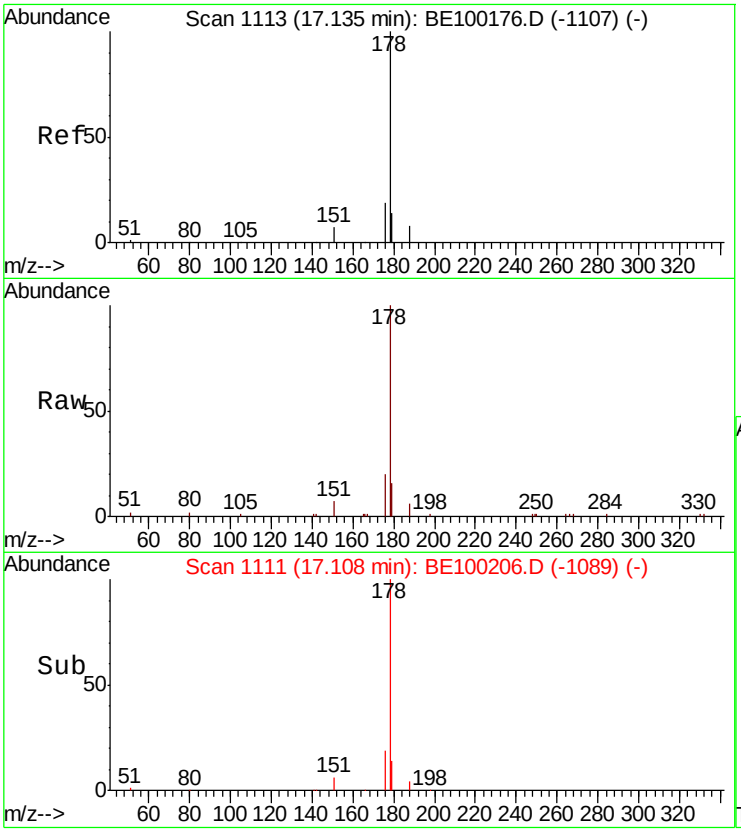


#22
Pentachlorophenol
Concen: 0.531 ng
RT: 16.73 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:266 Resp: 382

Ion	Ratio	Lower	Upper
266	100		
264	73.3	58.6	88.0
268	74.0	59.2	88.8



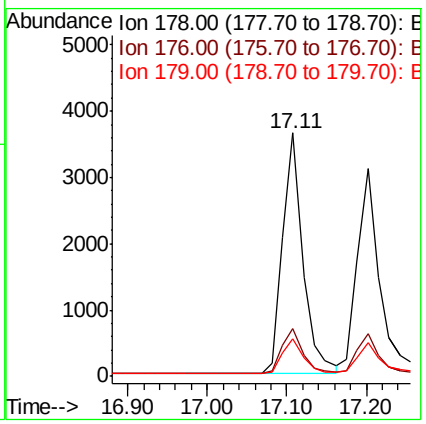


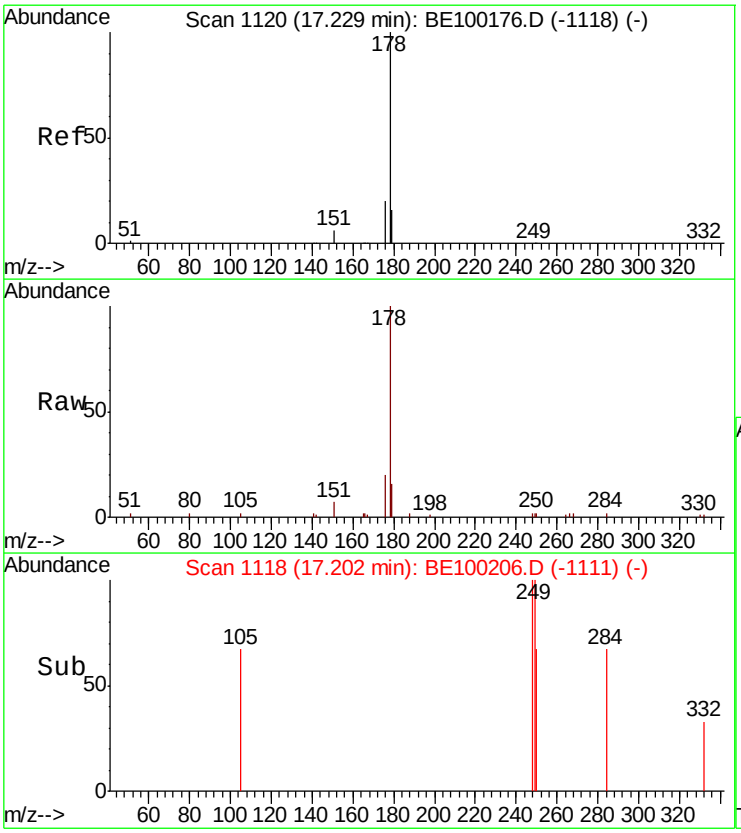
#23
Phenanthrene
Concen: 0.424 ng
RT: 17.11 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 6436

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.1	12.1	18.1

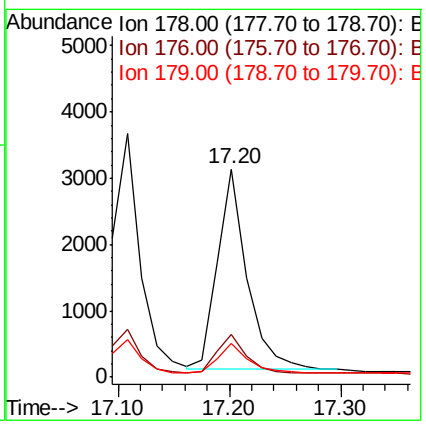


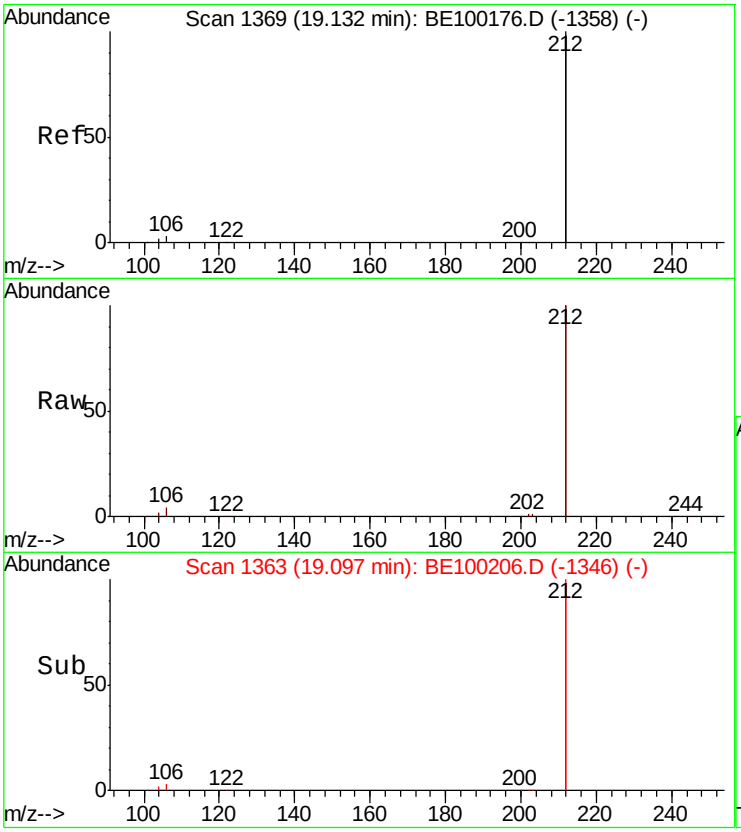


#24
Anthracene
Concen: 0.436 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:178 Resp: 5598

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.1	12.1	18.1



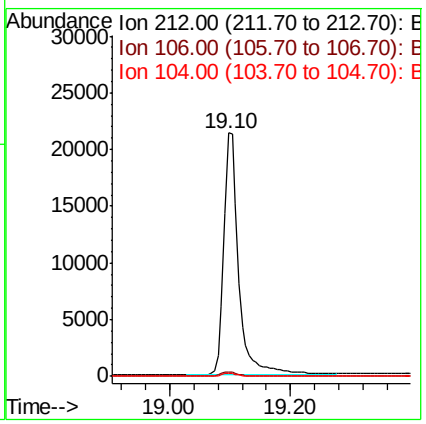


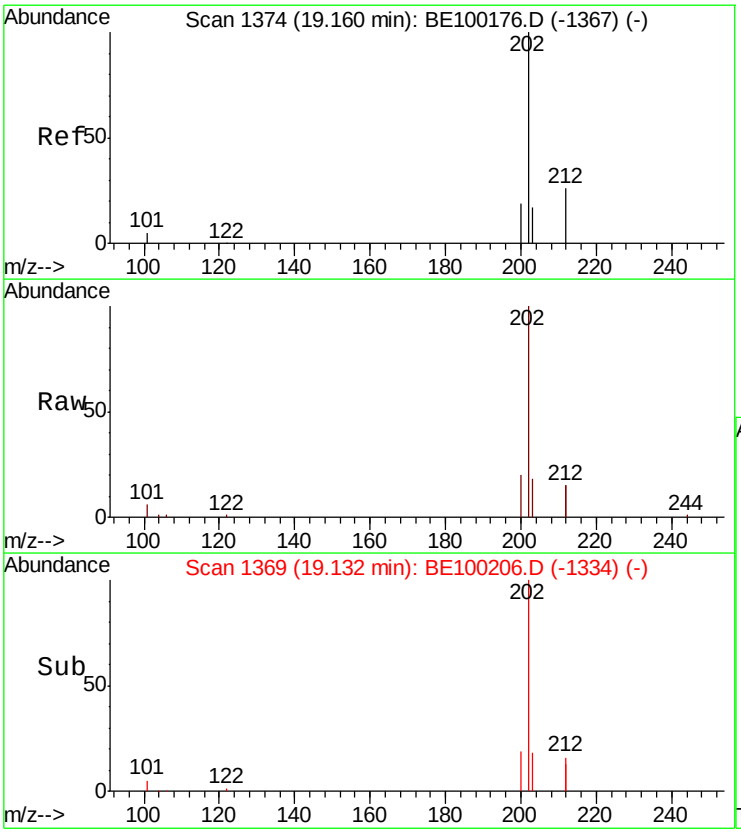
#25
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 36168

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.0	0.8	1.2

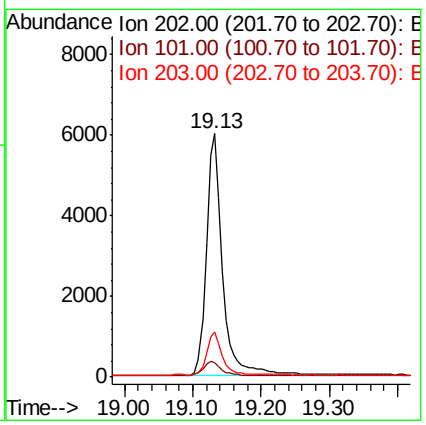


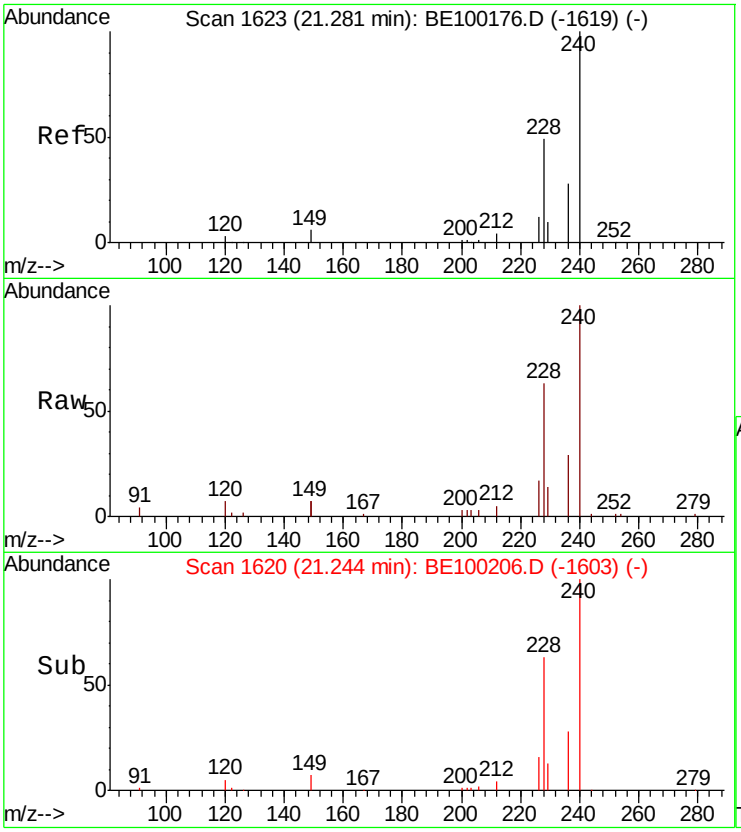


#26
Fluoranthene
Concen: 0.396 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:202 Resp: 9789

Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.7	7.1
203	17.0	13.6	20.4



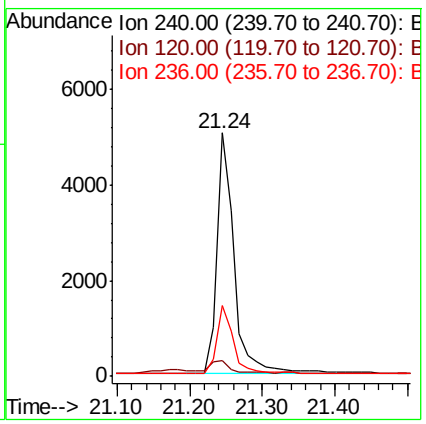


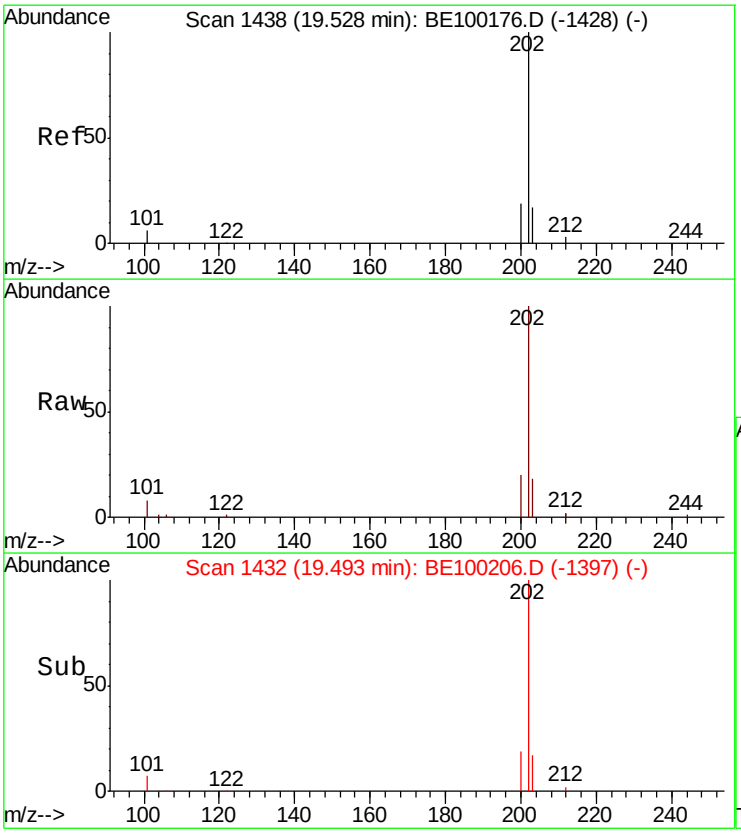
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8396

Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.4	8.0
236	29.2	23.4	35.0

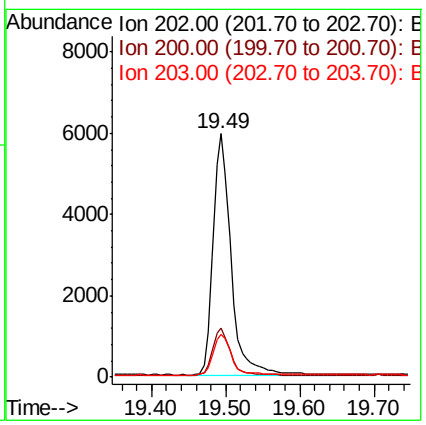


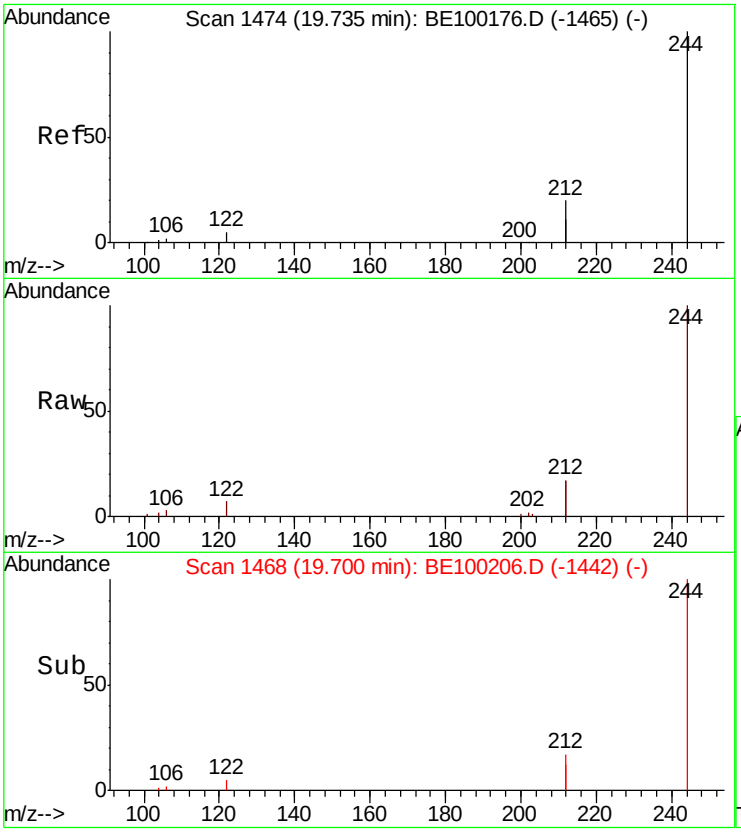


#28
Pyrene
Concen: 0.465 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:202 Resp: 9990

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.3	22.9
203	17.4	13.9	20.9



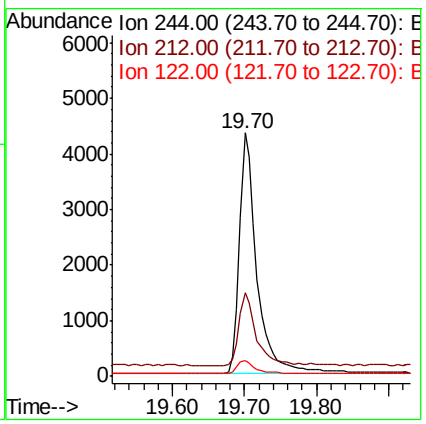


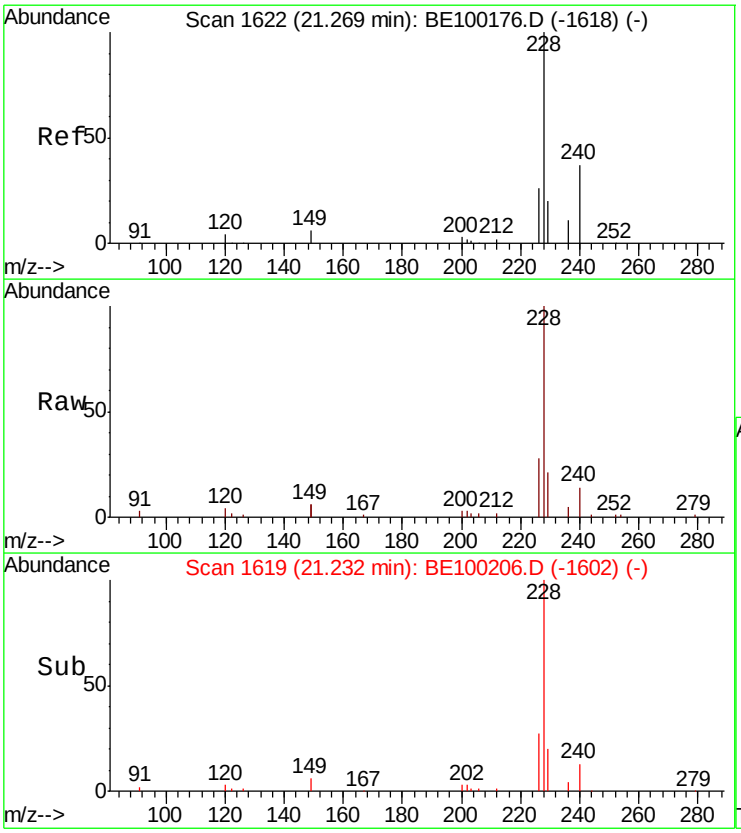
#29
Terphenyl-d14
Concen: 0.444 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 7324

Ion	Ratio	Lower	Upper
244	100		
212	34.3	27.4	41.2
122	6.5	5.2	7.8

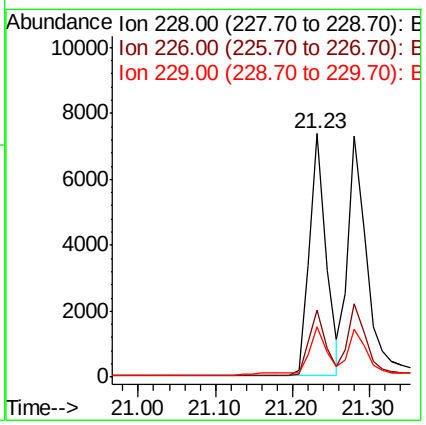


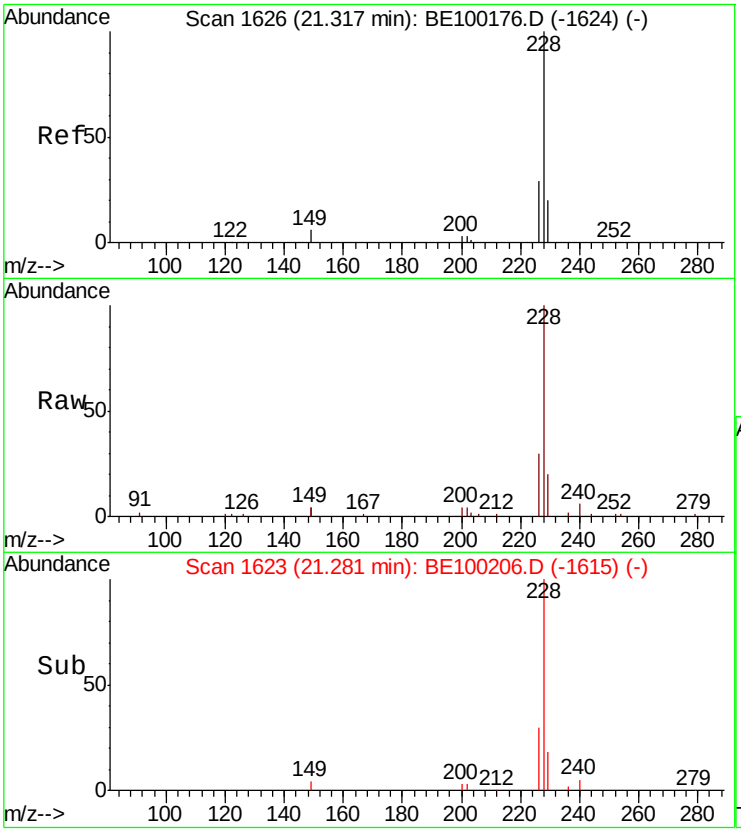


#30
Benzo(a)anthracene
Concen: 0.444 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:228 Resp: 11001

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.5	16.4	24.6



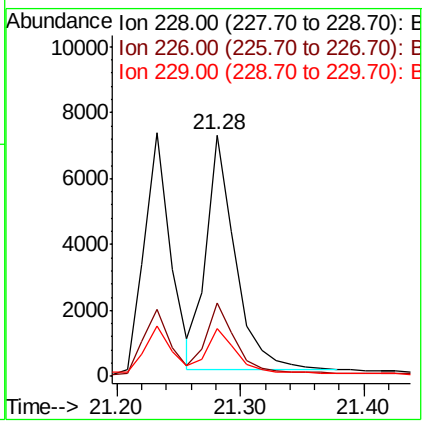


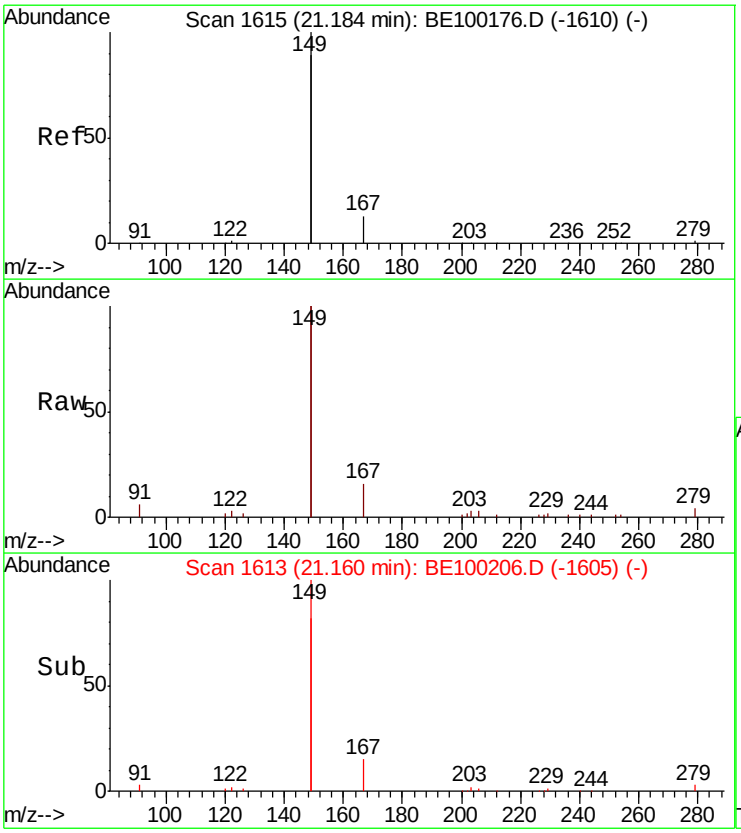
#31
Chrysene
Concen: 0.402 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 11668

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.7	15.8	23.6

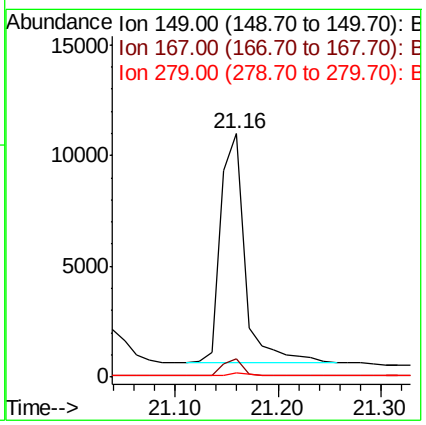


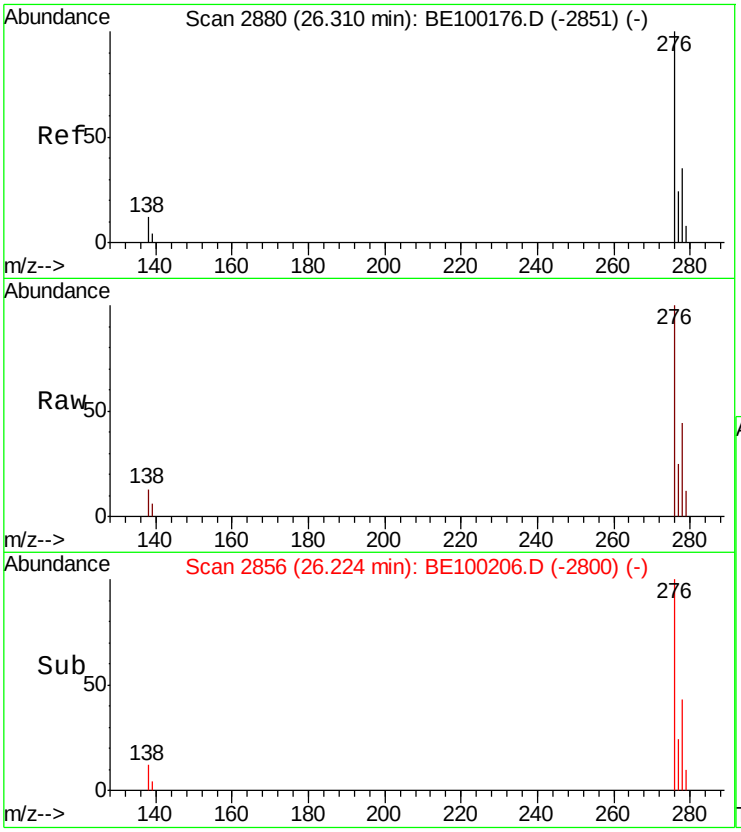


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.600 ng
RT: 21.16 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:149 Resp: 17075

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.3	7.9
279	1.3	1.0	1.6



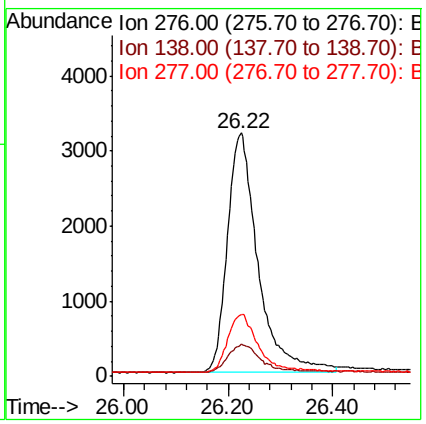


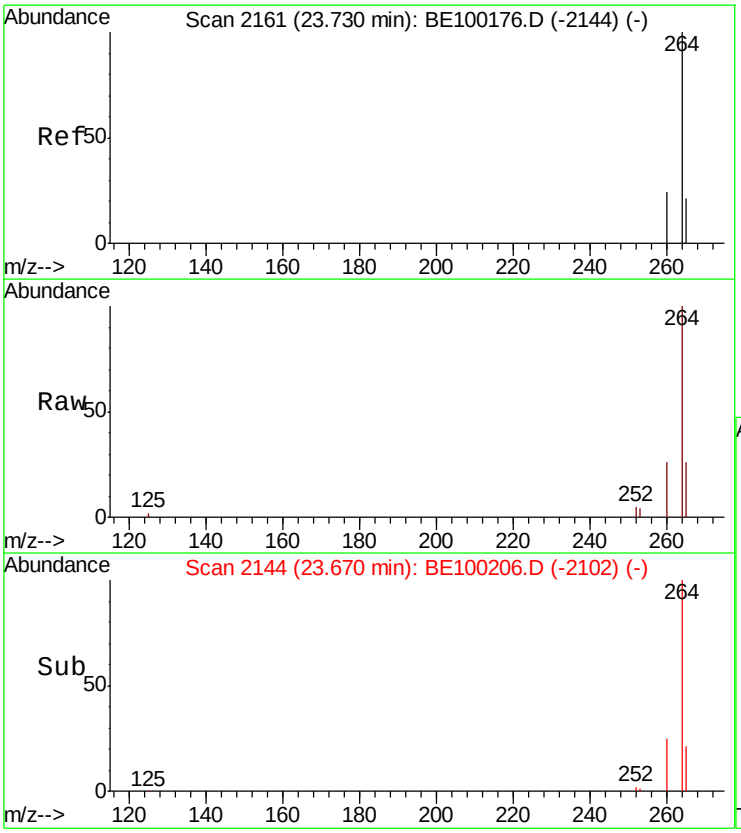
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.315 ng
RT: 26.22 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 13038

Ion	Ratio	Lower	Upper
276	100		
138	12.4	9.8	14.8
277	23.7	18.8	28.2

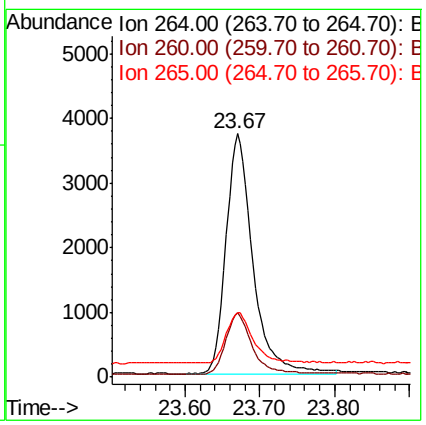


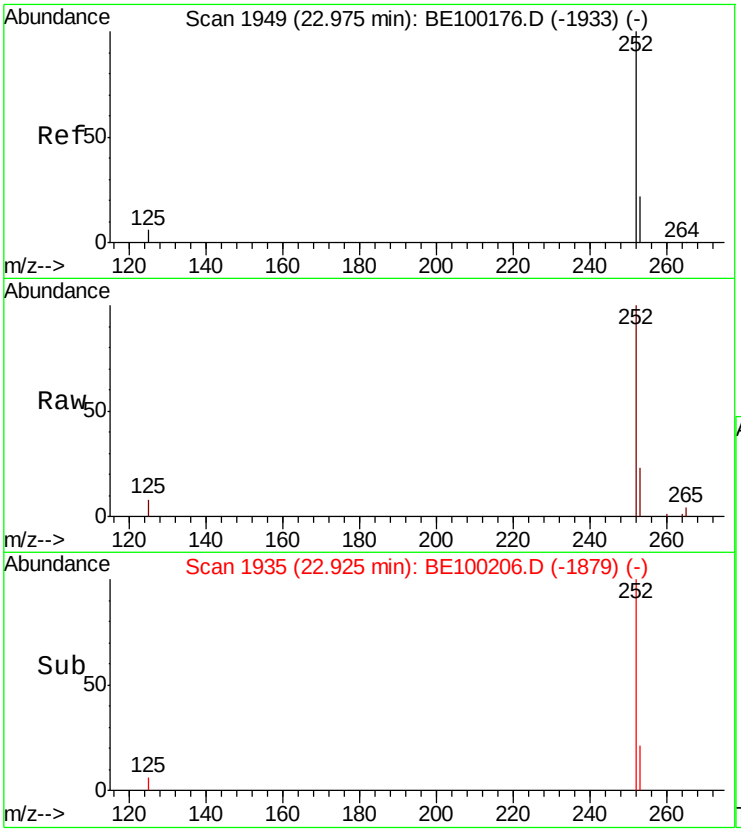


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:264 Resp: 9225

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.1	31.7
265	26.4	21.1	31.7



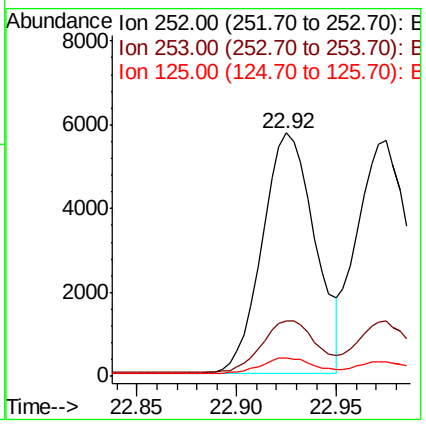


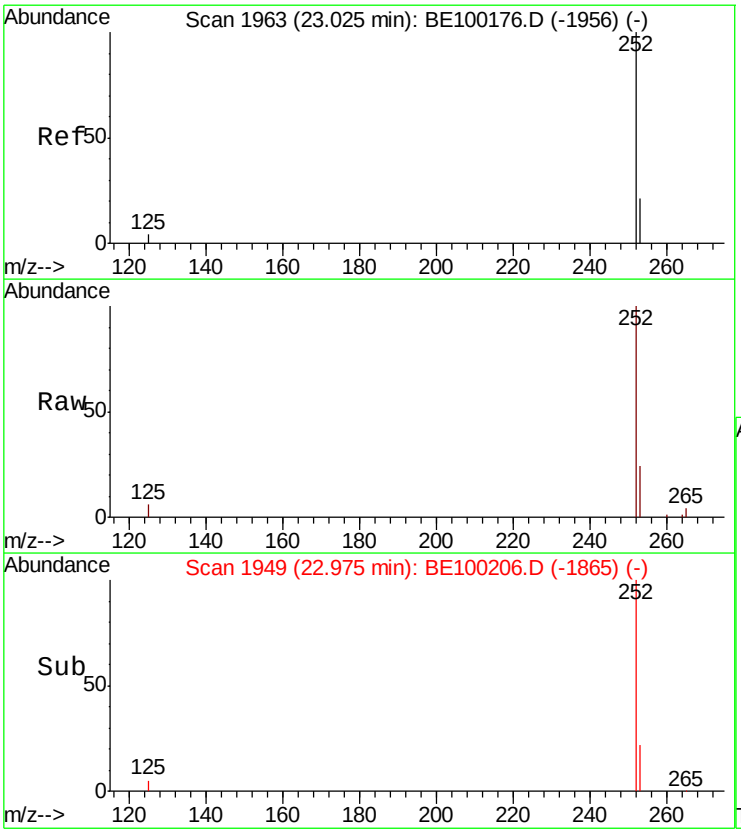
#35
Benzo(b)fluoranthene
Concen: 0.425 ng
RT: 22.92 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10539

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	7.7	6.2	9.2

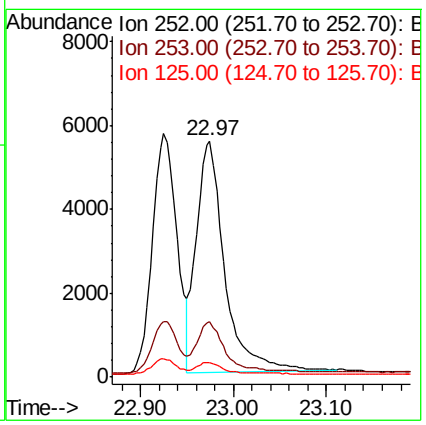


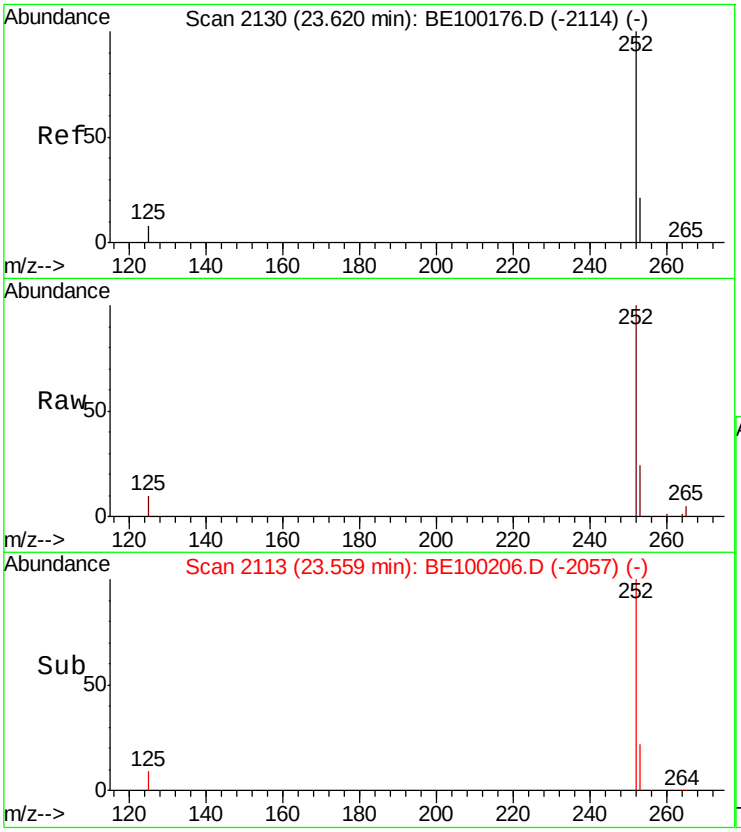


#36
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 22.97 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:252 Resp: 11635

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	6.2	5.0	7.4



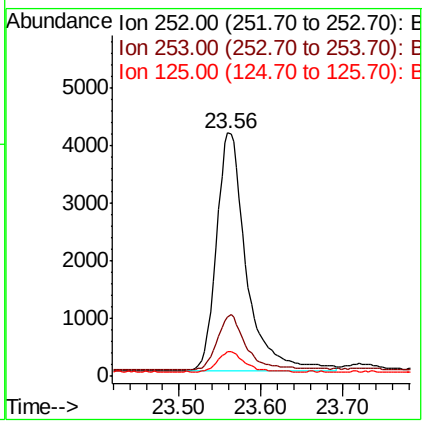


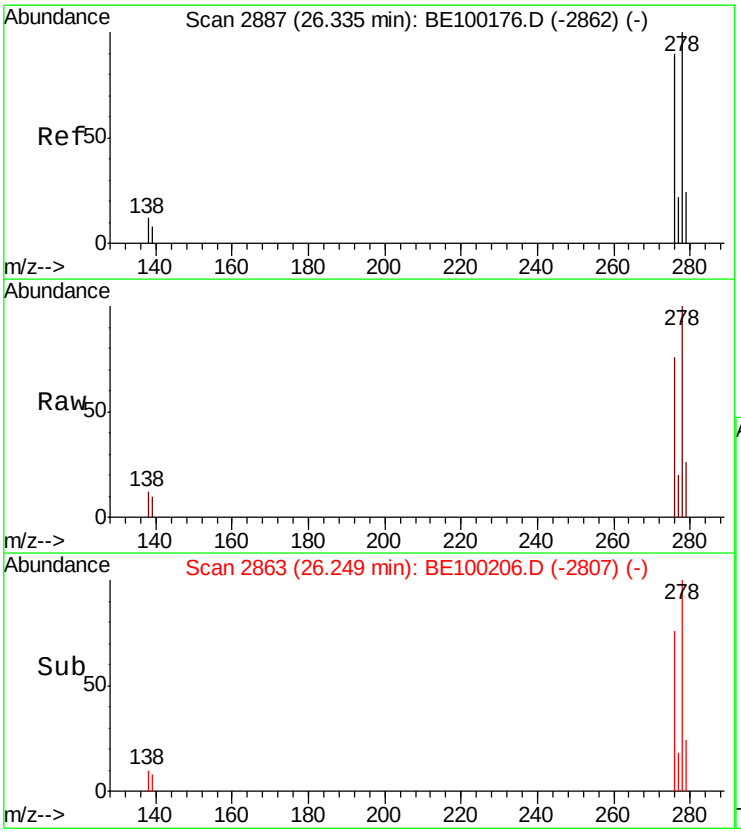
#37
Benzo(a)pyrene
Concen: 0.405 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10400

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	10.2	8.2	12.2

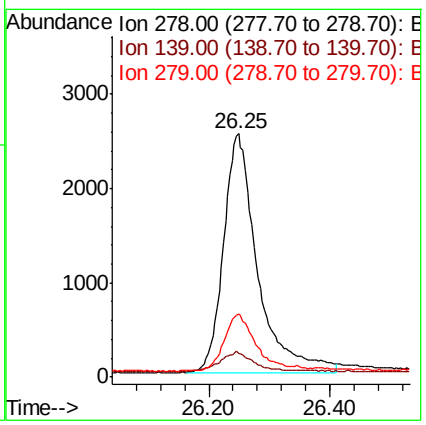


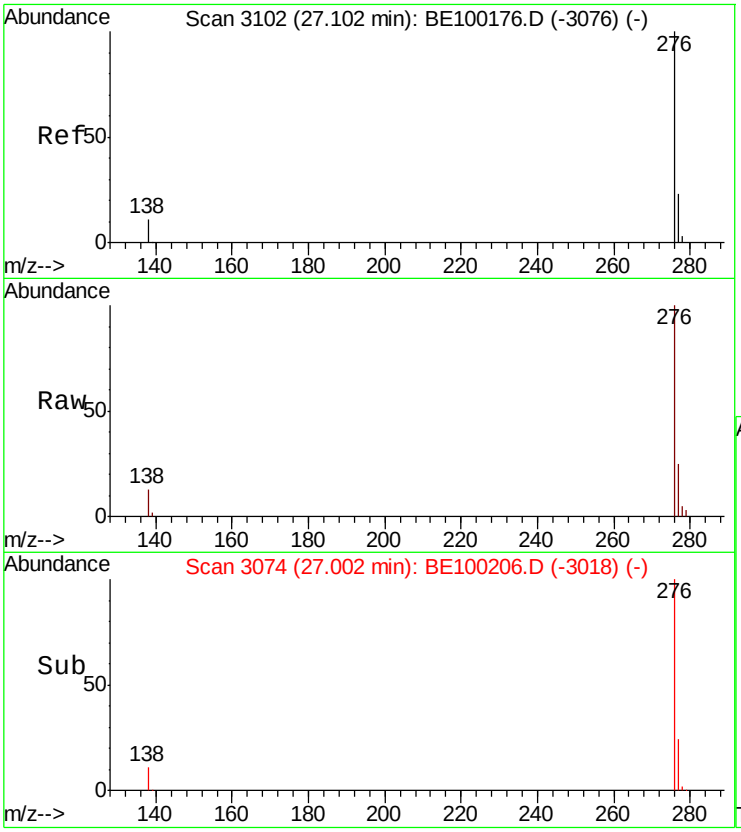


#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Tgt Ion:278 Resp: 9901

Ion	Ratio	Lower	Upper
278	100		
139	9.9	7.9	11.9
279	25.8	20.6	31.0





#39
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 27.00 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BE100206.D
Acq: 27 Jun 2019 16:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11104

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.3	30.5
138	13.1	10.5	15.7