Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071219\
Data File : BE100418.D
Acq On : 12 Jul 2019 13:01
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Jul 12 16:36:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 16:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	3783	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	14957	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	8897	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	24291	0.40	ng		0.00
27) Chrysene-d12	21.40	240	32136	0.40	ng		0.00
34) Perylene-d12	23.90	264	37259	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	4772	0.58	ng		0.00
5) Phenol-d6	7.05	99	7061	0.84	ng		0.00
8) Nitrobenzene-d5	9.03	82	3275	0.19	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	10712	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1280	0.23	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	14114	0.36	ng		0.00
25) Fluoranthene-d10	19.26	212	159222	0.40	ng		0.00
29) Terphenyl-d14	19.86	244	31801	0.54	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	2568	0.341	ng	#	100
3) n-Nitrosodimethylamine	3.71	42	1298	0.420	ng		100
6) bis(2-Chloroethyl)ether	7.31	93	5216	0.823	ng	#	1
9) Naphthalene	10.73	128	69903	0.436	ng		100
10) Hexachlorobutadiene	11.03	225	3268	0.146	ng		94
12) 2-Methylnaphthalene	12.34	142	12007	0.524	ng		100
16) Acenaphthylene	14.24	152	20263	0.477	ng		100
17) Acenaphthene	14.57	154	11831	0.490	ng		100
18) Fluorene	15.54	166	16296	0.405	ng		100
20) 4-Bromophenyl-phenylether	16.44	248	5891	0.398	ng		100
21) Hexachlorobenzene	16.56	284	6048	0.307	ng		100
22) Pentachlorophenol	16.89	266	1616	0.656	ng		100
23) Phenanthrene	17.28	178	29324	0.507	ng		100
24) Anthracene	17.36	178	29191	0.618	ng		100
26) Fluoranthene	19.29	202	43147	0.398	ng		100
28) Pyrene	19.65	202	45708	0.621	ng		100
30) Benzo(a)anthracene	21.39	228	51258	0.565	ng		100
31) Chrysene	21.44	228	49027	0.473	ng		100
32) Bis(2-ethylhexyl)phthalate	21.33	149	65373	0.835	ng		100
33) Indeno(1,2,3-cd)pyrene	26.54	276	58613	0.405	ng	#	100
35) Benzo(b)fluoranthene	23.13	252	52343	0.526	ng		100
36) Benzo(k)fluoranthene	23.19	252	51749	0.420	ng		100
37) Benzo(a)pyrene	23.79	252	48800	0.466	ng		100
38) Dibenzo(a,h)anthracene	26.58	278	47935	0.465	ng		100
39) Benzo(g,h,i)perylene	27.35	276	48108	0.392	ng		100

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

Quantitation Report (QT Reviewed)

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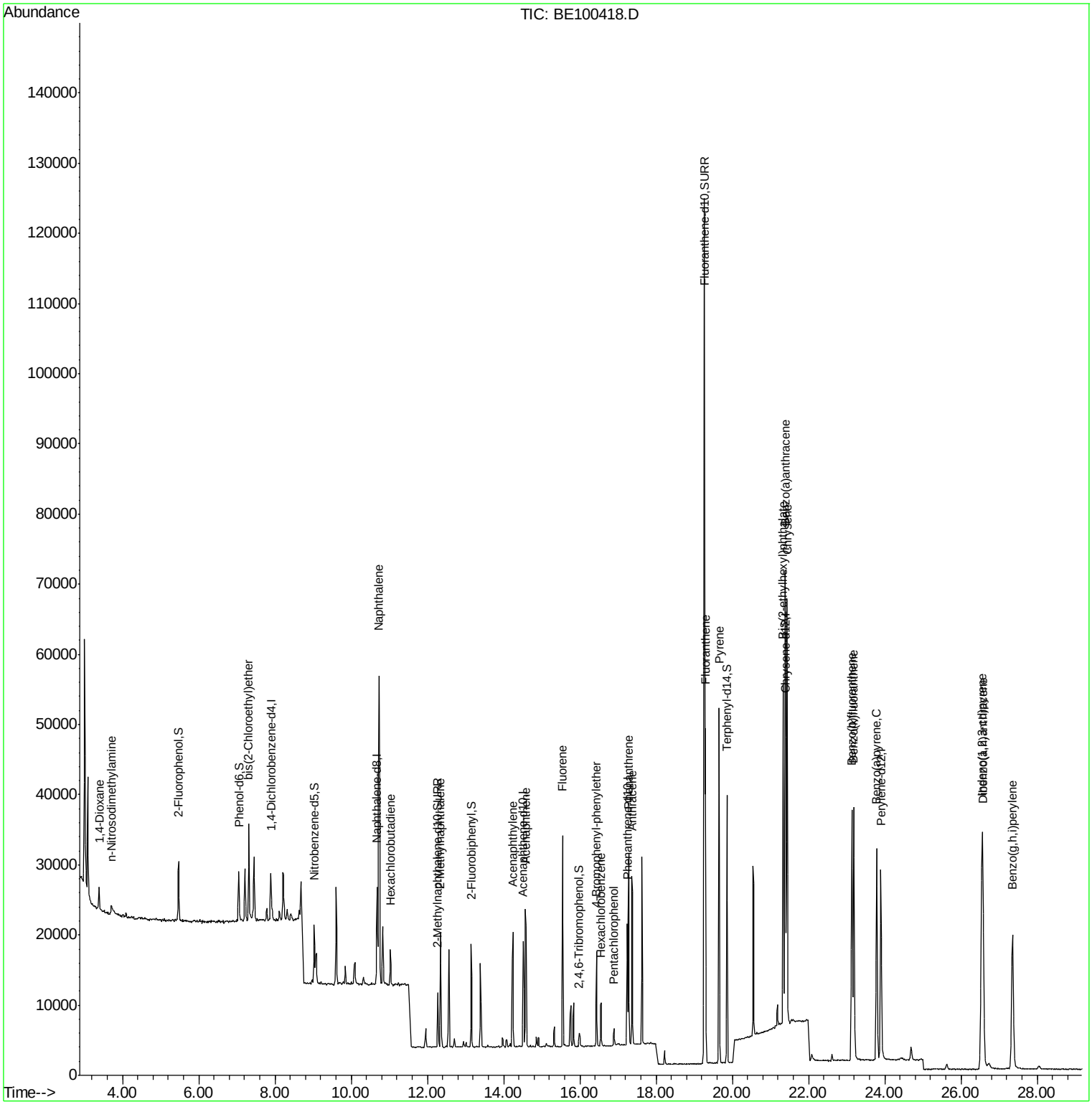
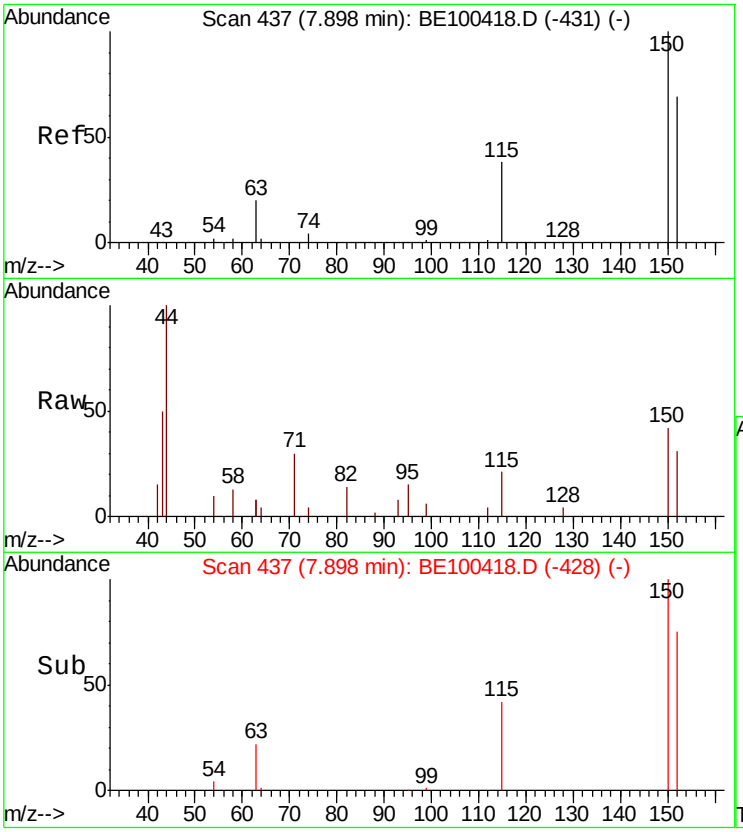
Acq On : 12 Jul 2019 13:01
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Jul 12 16:36:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 16:31:47 2019
Response via : Initial Calibration



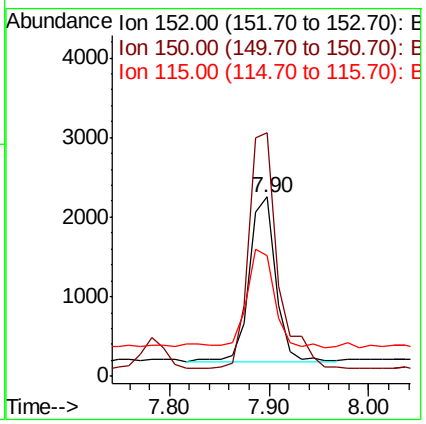


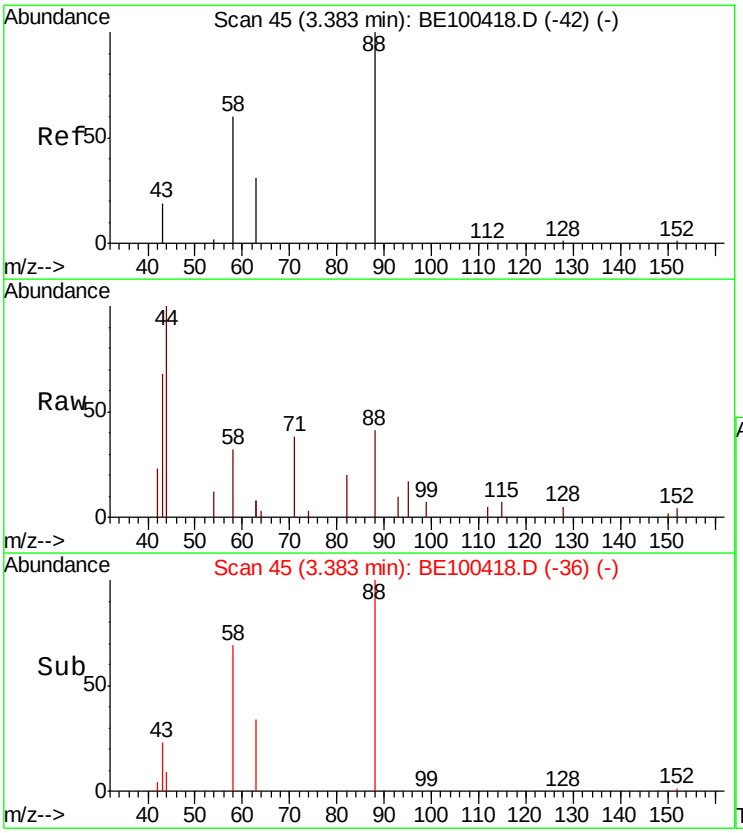
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3783

Ion	Ratio	Lower	Upper
152	100		
150	136.0	108.8	163.2
115	67.7	54.2	81.2

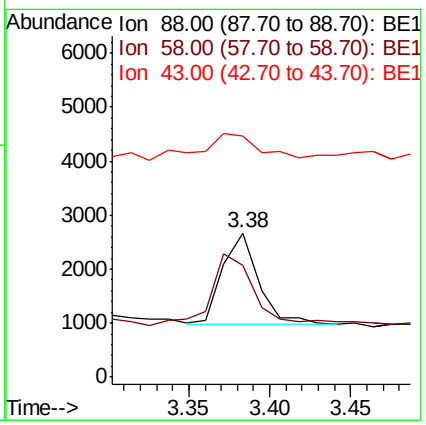


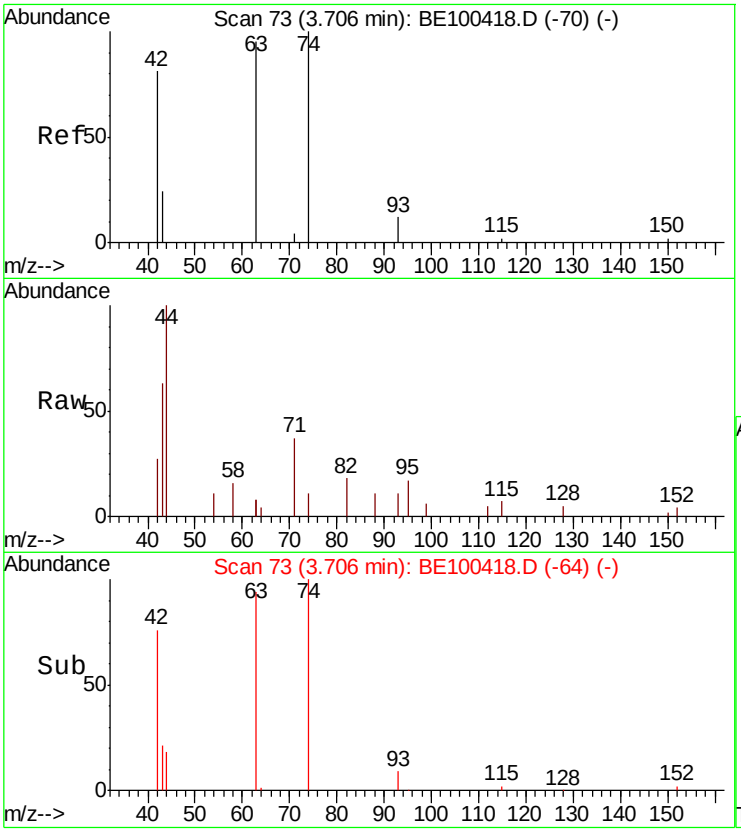


#2
1,4-Dioxane
Concen: 0.341 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion: 88 Resp: 2568

Ion	Ratio	Lower	Upper
88	100		
58	96.4	0.0	0.0#
43	46.2	0.0	0.0#



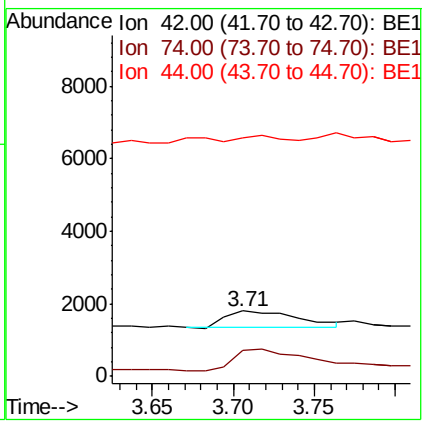


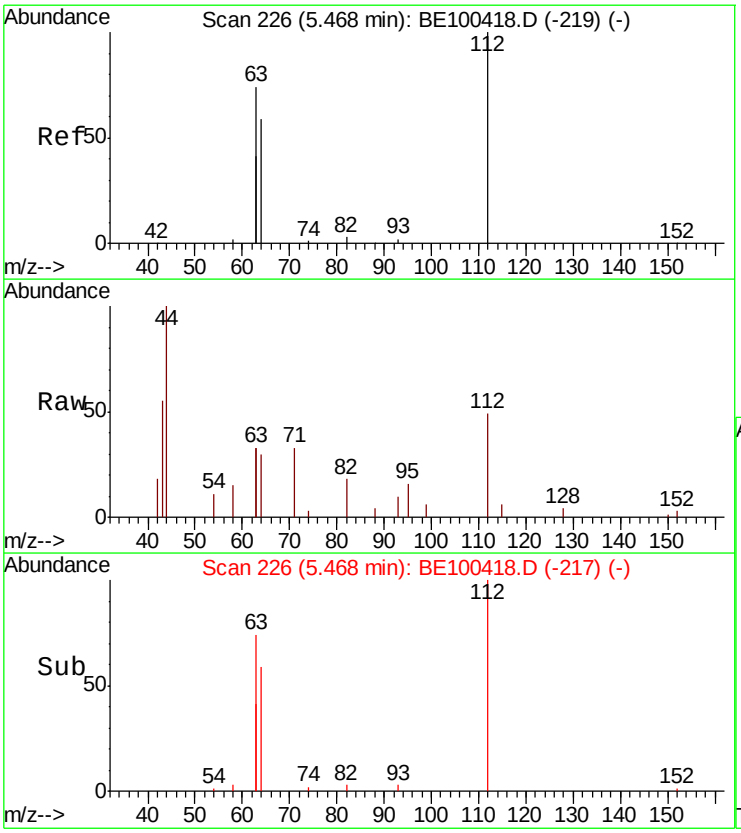
#3
n-Nitrosodimethylamine
Concen: 0.420 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1298

Ion	Ratio	Lower	Upper
42	100		
74	140.4	112.3	168.5
44	18.7	15.0	22.4

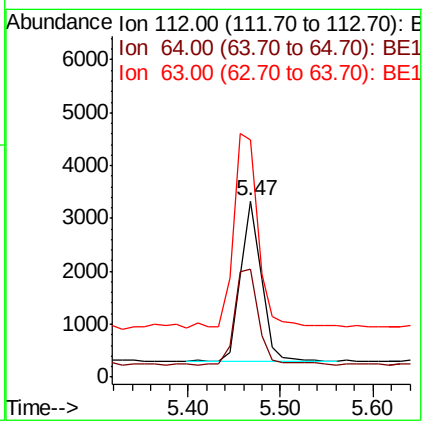


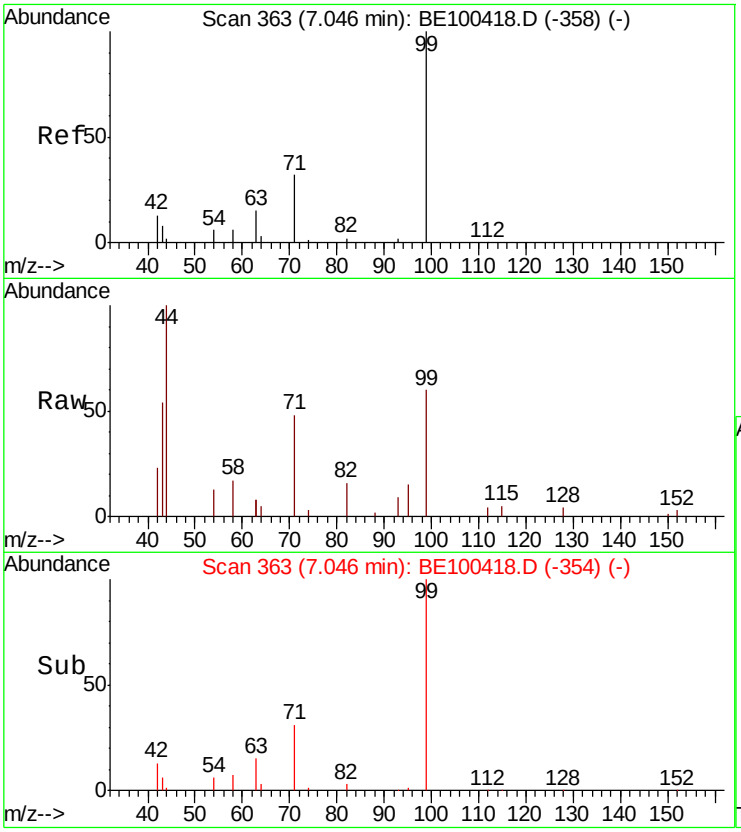


#4
2-Fluorophenol
Concen: 0.576 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:112 Resp: 4772

Ion	Ratio	Lower	Upper
112	100		
64	69.6	56.6	84.8
63	148.0	120.2	180.4



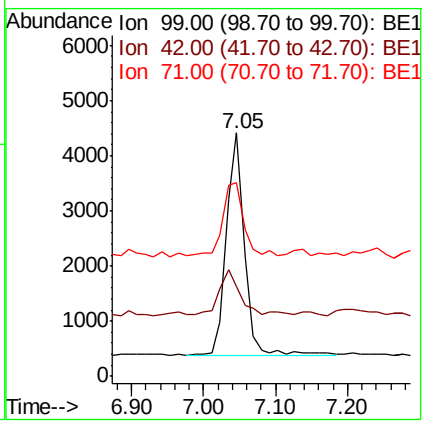


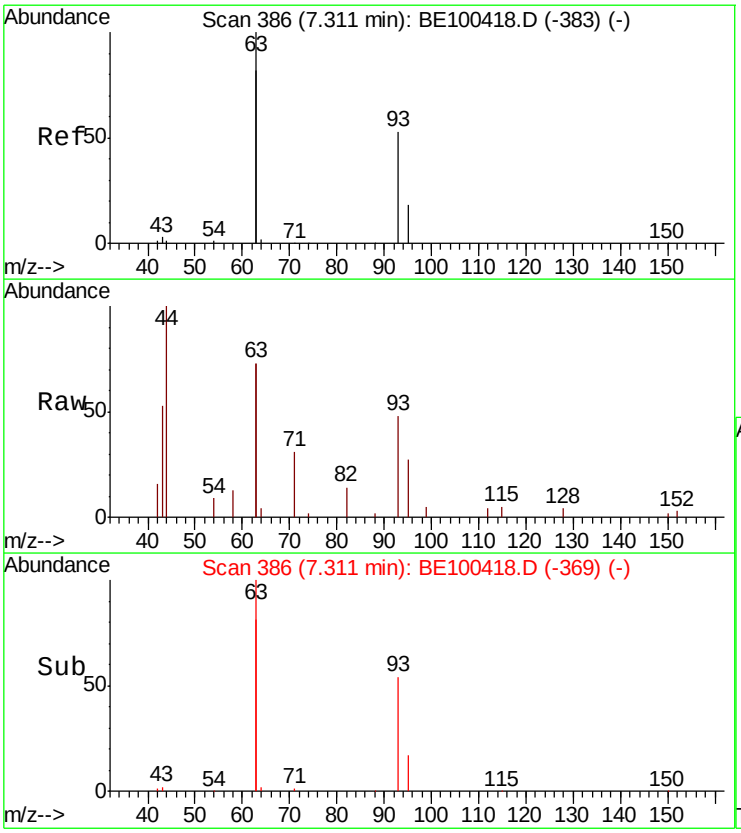
#5
Phenol-d6
Concen: 0.844 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 7061

Ion	Ratio	Lower	Upper
99	100		
42	22.3	0.0	0.0#
71	36.9	0.0	0.0#

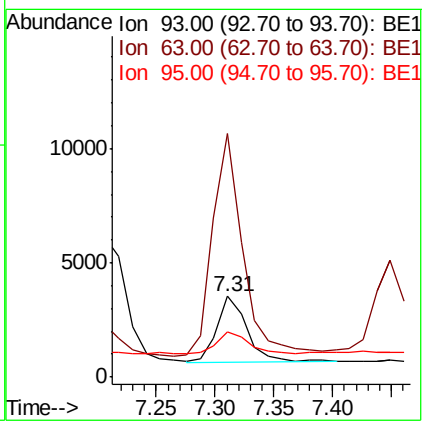


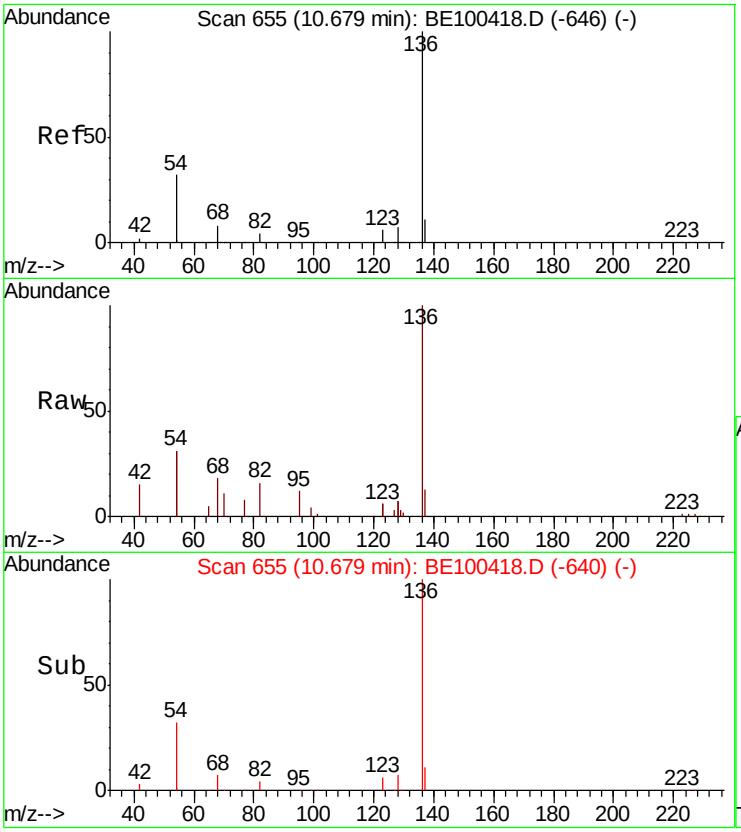


#6
bis(2-Chloroethyl)ether
Concen: 0.823 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion: 93 Resp: 5216

Ion	Ratio	Lower	Upper
93	100		
63	331.9	101.4	152.2#
95	34.5	0.0	0.0#



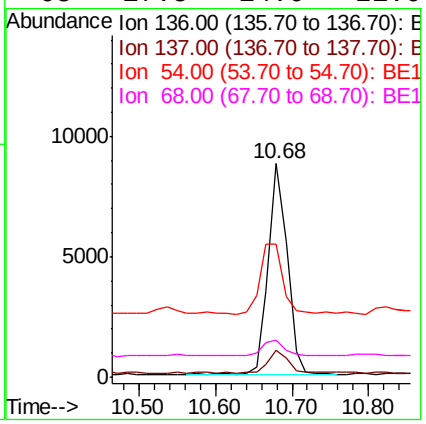


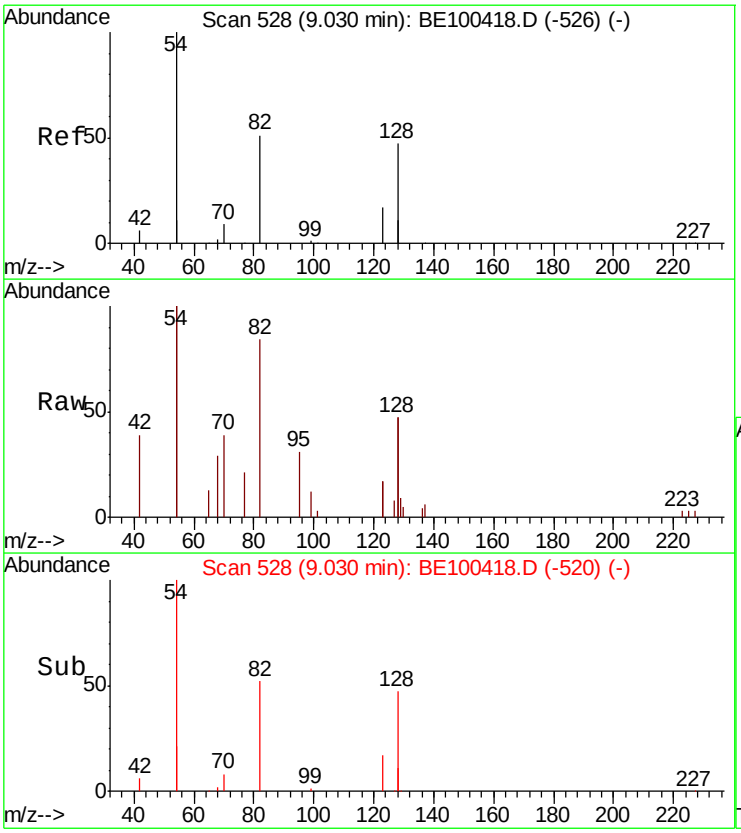
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 14957

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.1	15.1
54	62.2	49.8	74.6
68	17.5	14.0	21.0

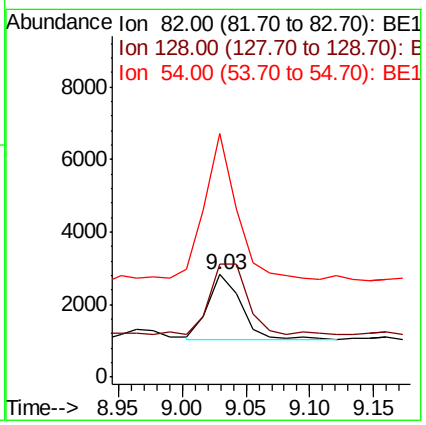


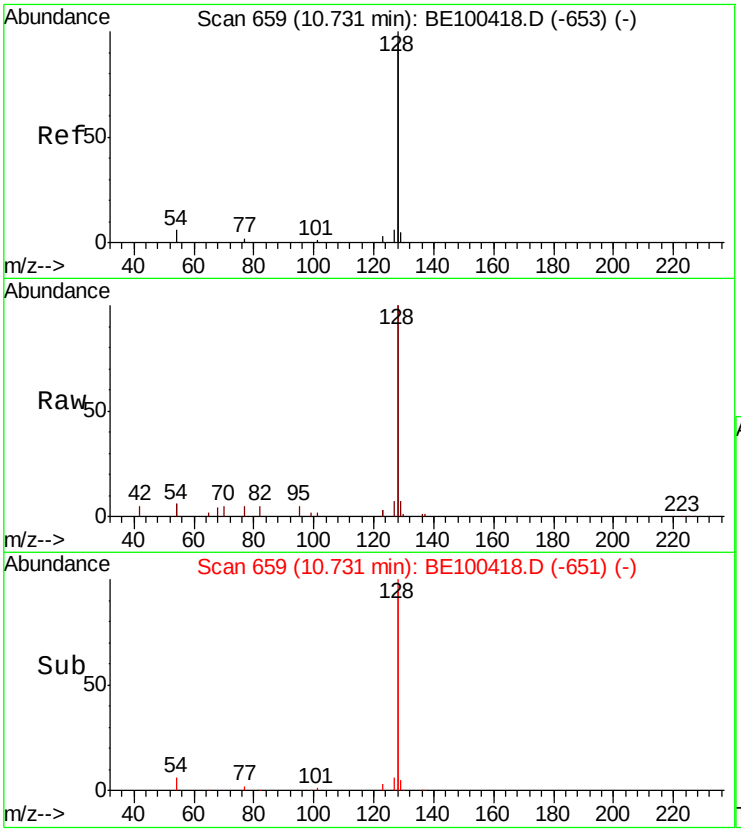


#8
Nitrobenzene-d5
Concen: 0.191 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion: 82 Resp: 3275

Ion	Ratio	Lower	Upper
82	100		
128	110.4	88.3	132.5
54	237.0	189.6	284.4



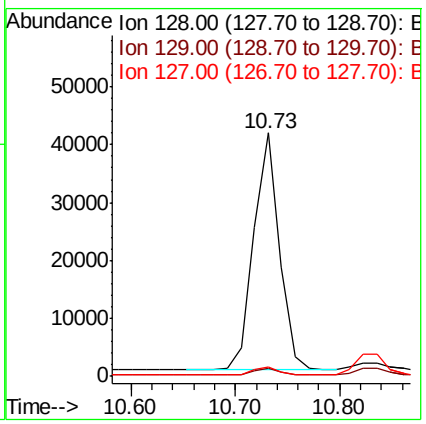


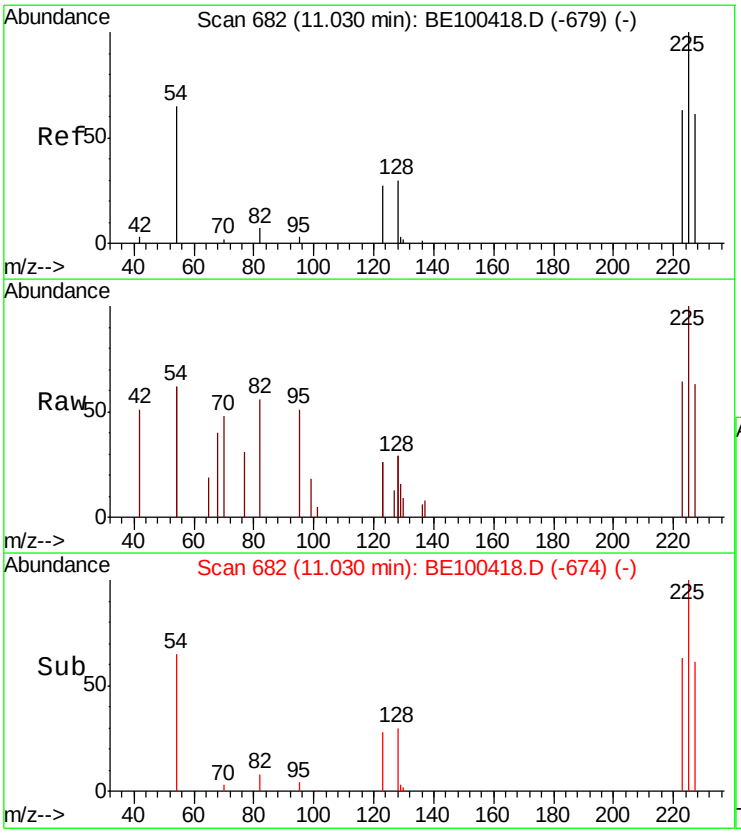
#9
Naphthalene
Concen: 0.436 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 69903

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.7	4.1
127	3.7	3.0	4.4

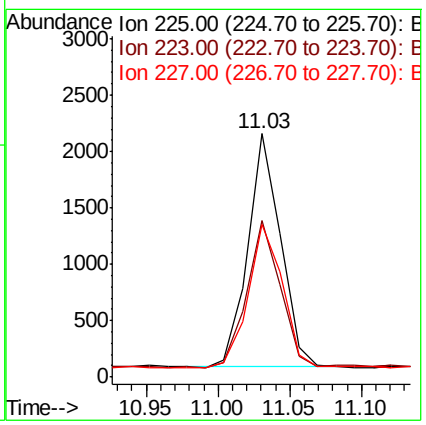


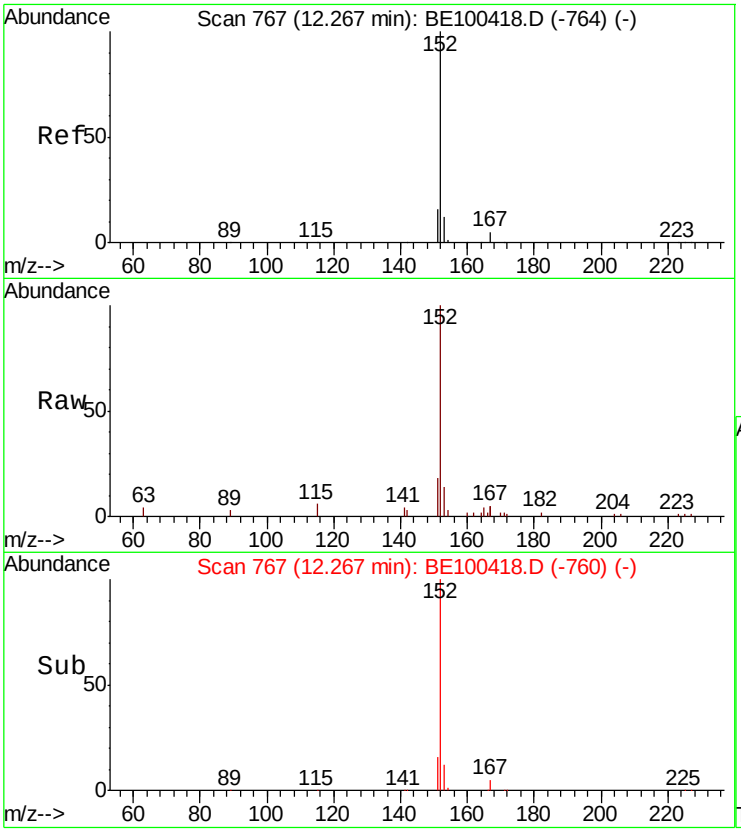


#10
Hexachlorobutadiene
Concen: 0.146 ng
RT: 11.03 min Scan# 682
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:225 Resp: 3268

Ion	Ratio	Lower	Upper
225	100		
223	64.9	48.2	72.4
227	64.4	47.8	71.6



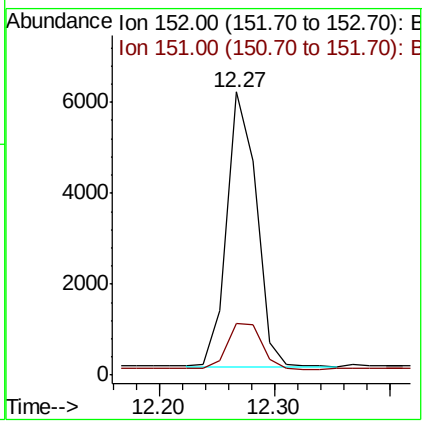


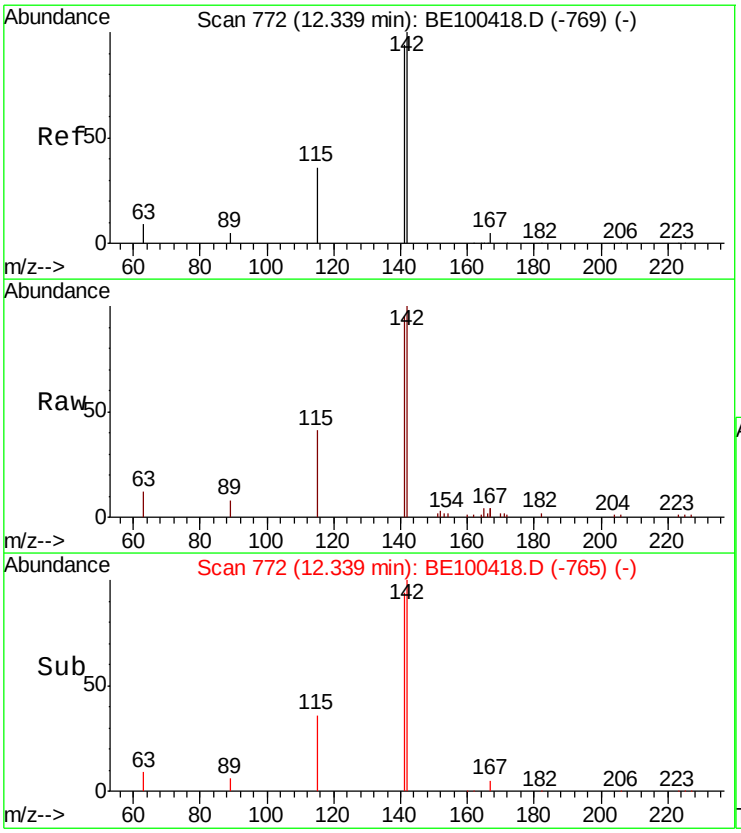
#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 10712

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6

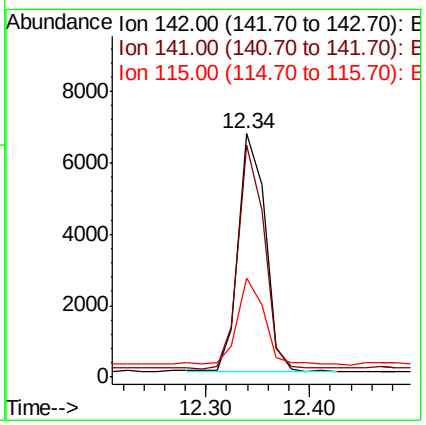


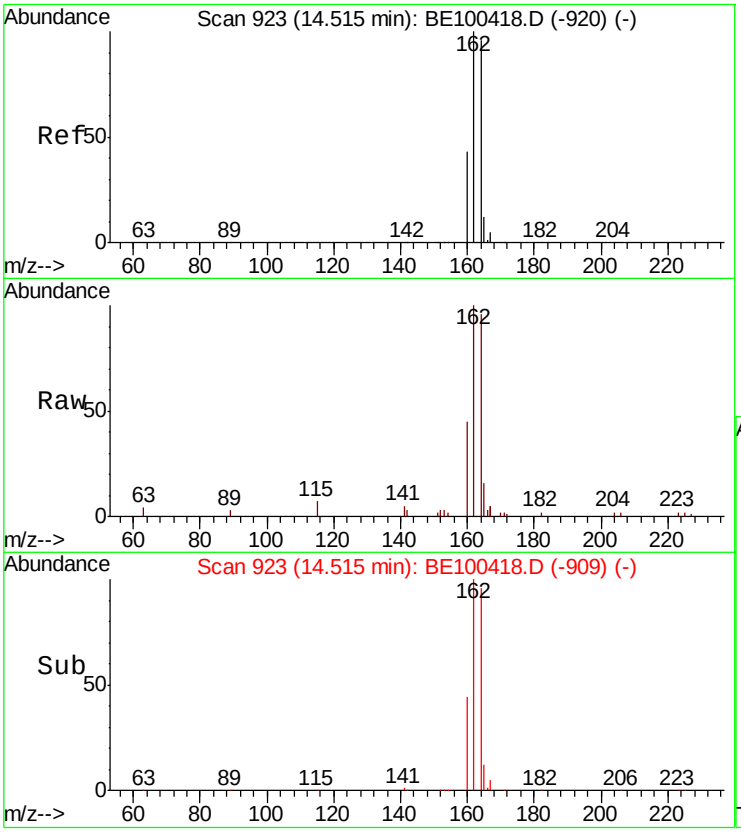


#12
2-Methylnaphthalene
Concen: 0.524 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:142 Resp: 12007

Ion	Ratio	Lower	Upper
142	100		
141	95.2	76.2	114.2
115	40.8	32.6	49.0



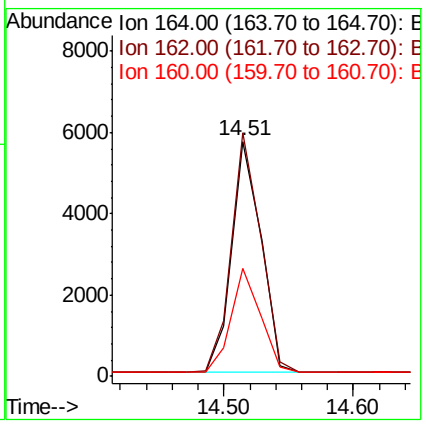


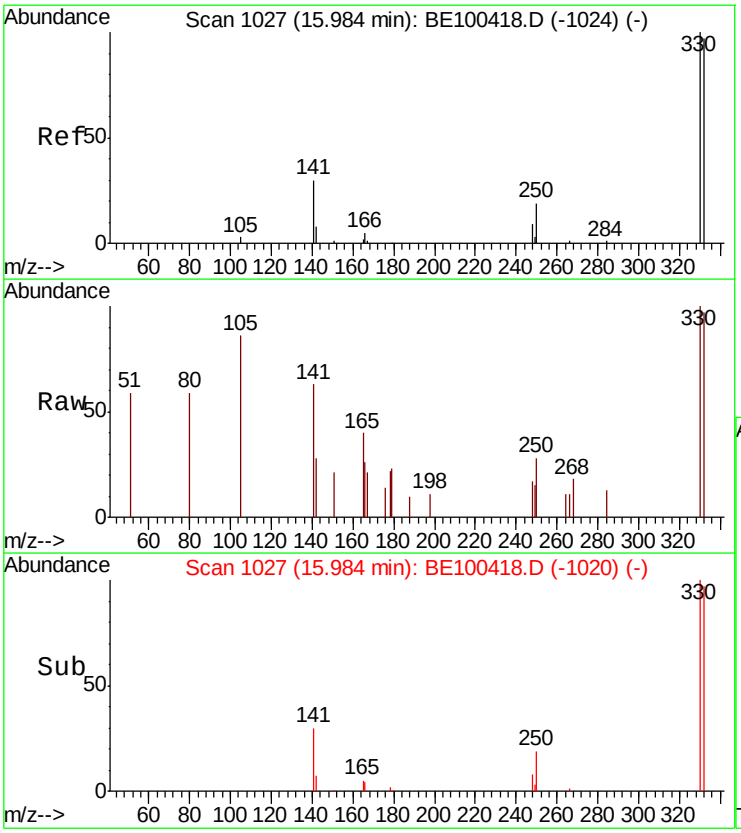
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 8897

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.0	124.4
160	46.2	37.0	55.4

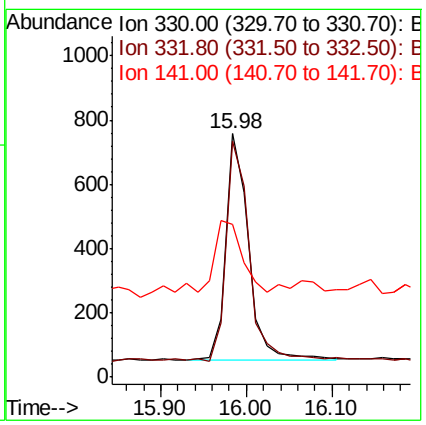


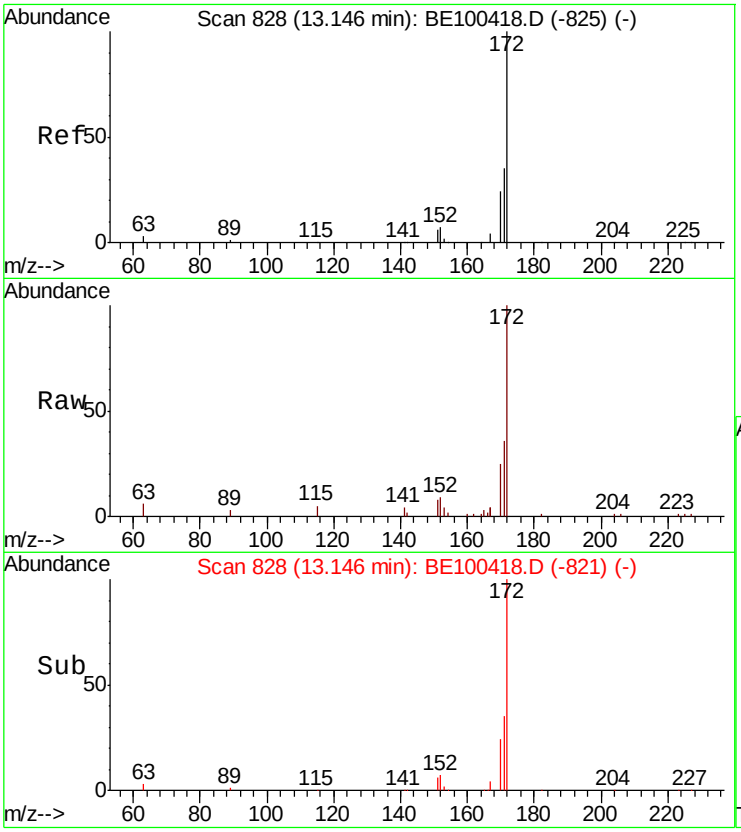


#14
2,4,6-Tribromophenol
Concen: 0.232 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:330 Resp: 1280

Ion	Ratio	Lower	Upper
330	100		
332	99.3	82.2	123.2
141	38.9	30.0	45.0



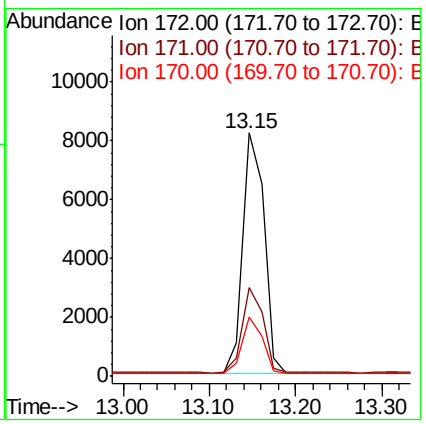


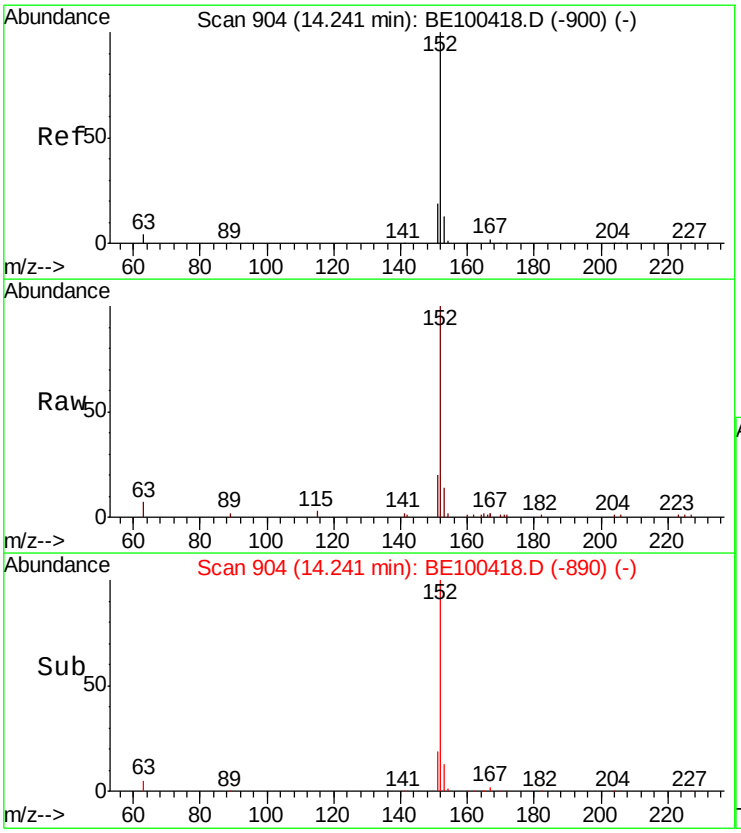
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 14114

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.6	19.7	29.5

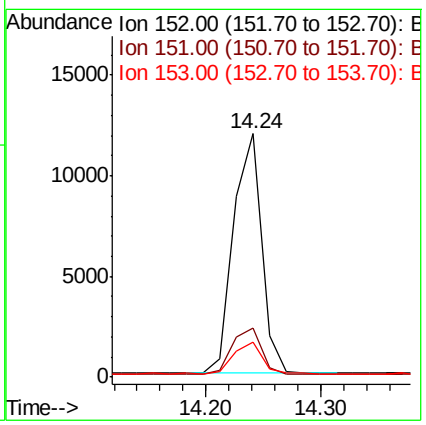


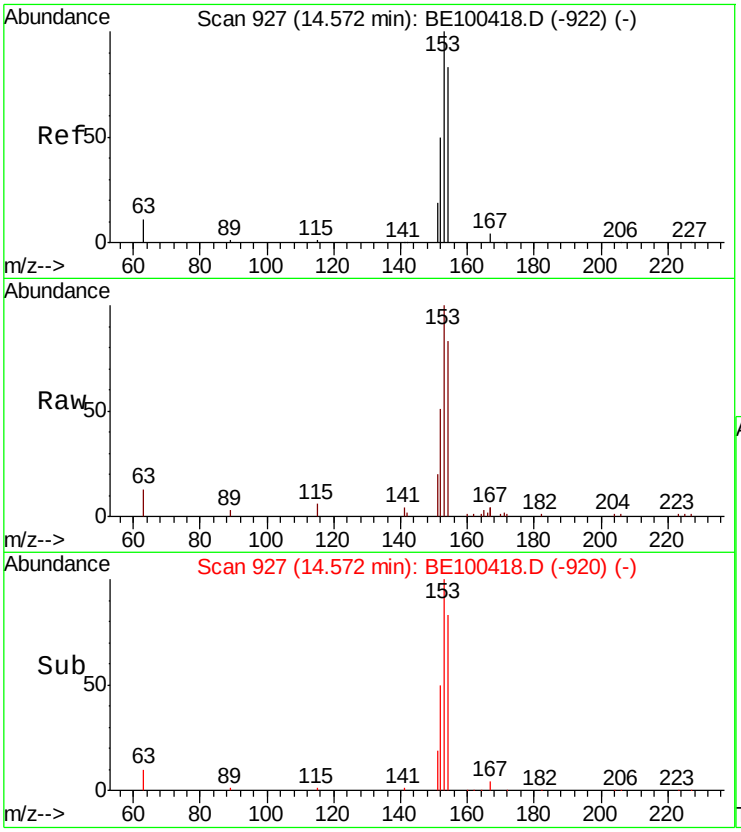


#16
Acenaphthylene
Concen: 0.477 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:152 Resp: 20263

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.6	10.9	16.3



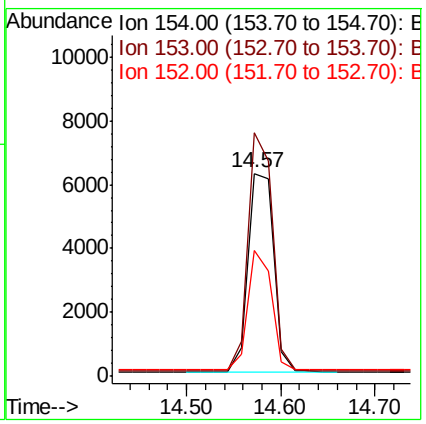


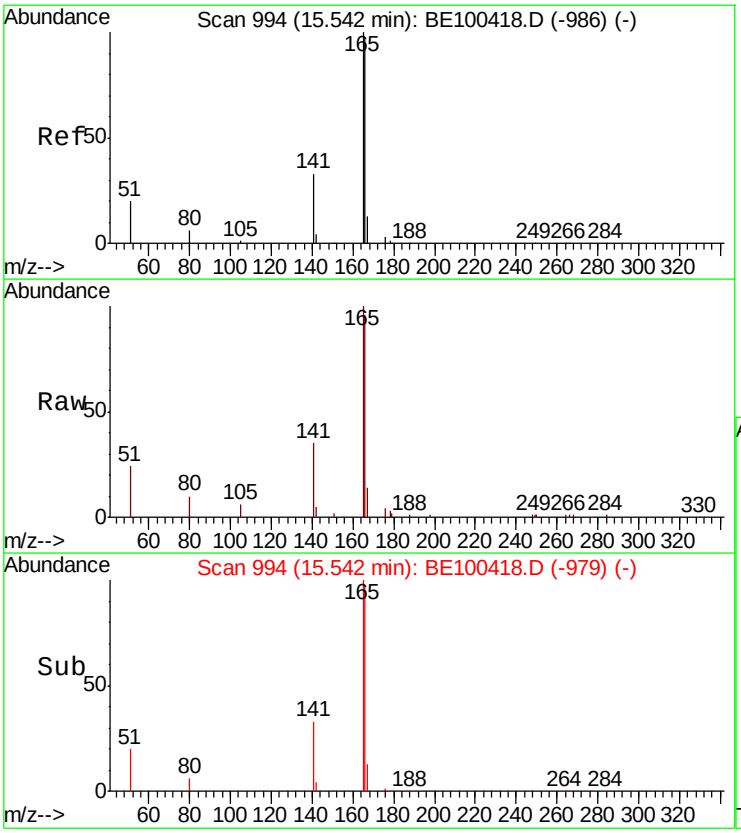
#17
Acenaphthene
Concen: 0.490 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 11831

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.6	138.8
152	55.6	44.5	66.7

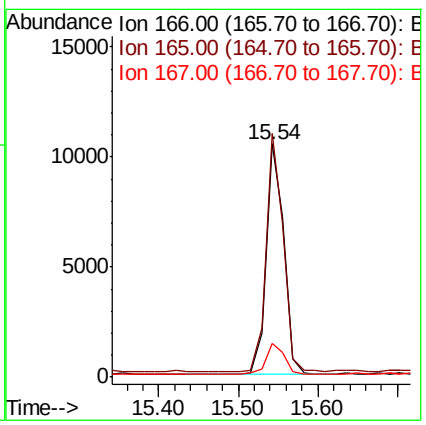


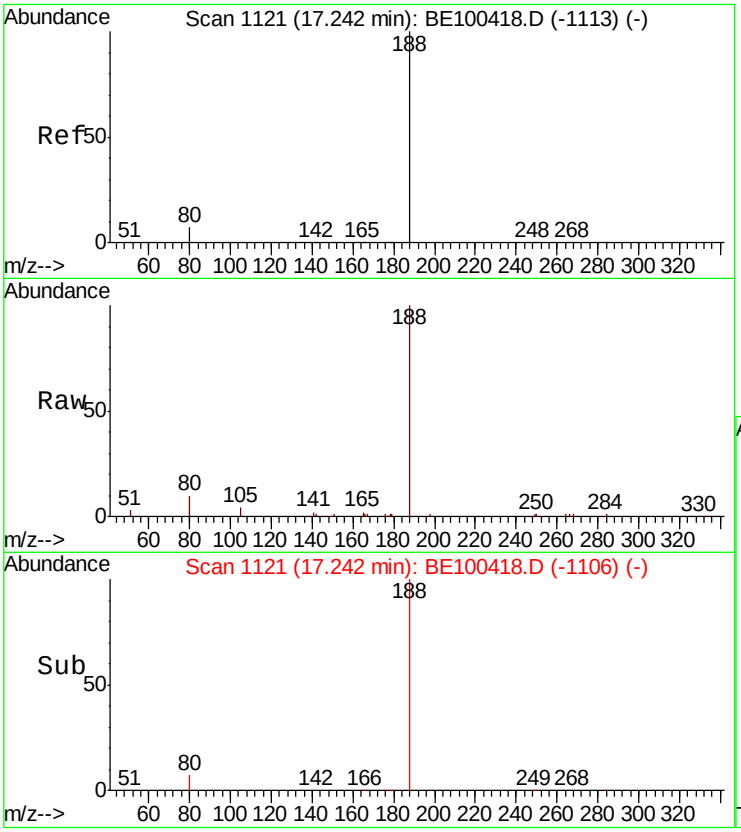


#18
Fluorene
Concen: 0.405 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:166 Resp: 16296

Ion	Ratio	Lower	Upper
166	100		
165	100.0	80.0	120.0
167	13.7	11.0	16.4



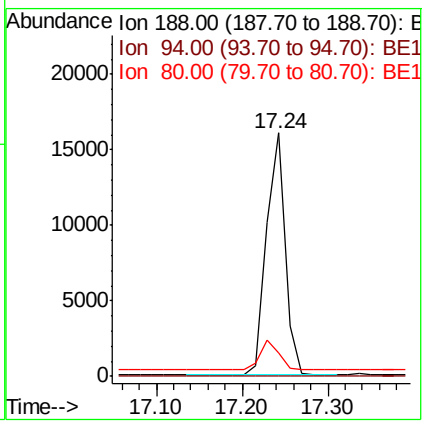


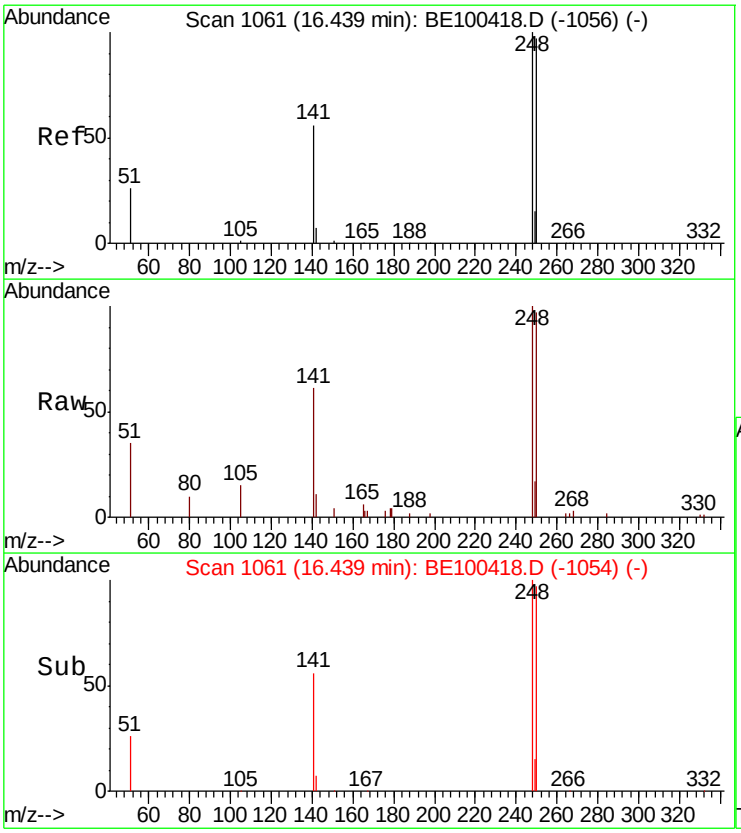
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 24291

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.7	11.5

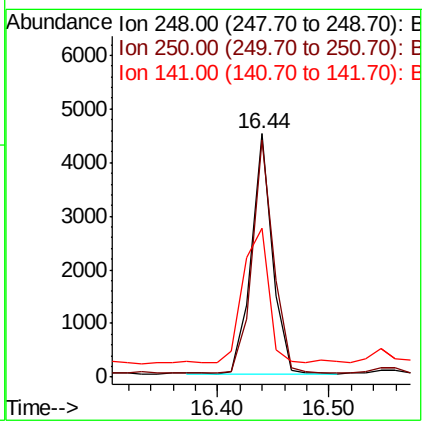


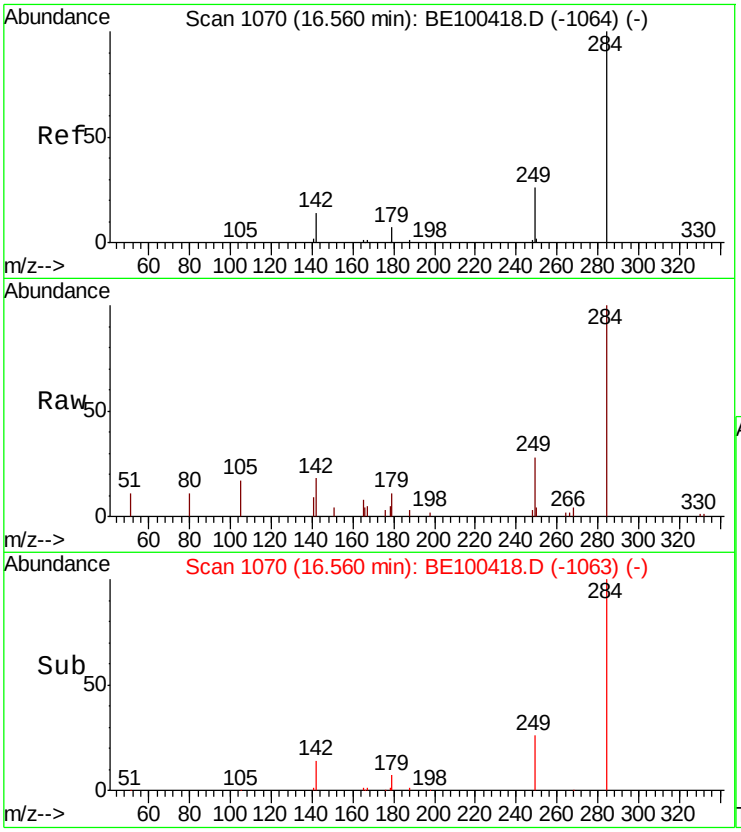


#20
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:248 Resp: 5891

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	61.3	49.0	73.6



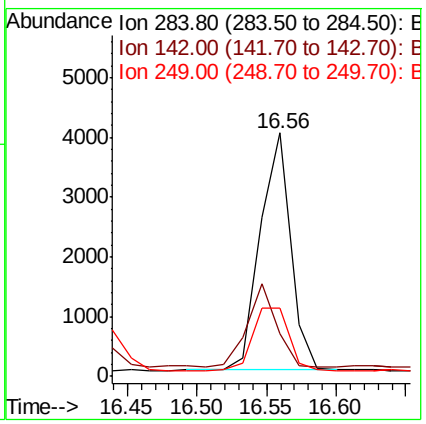


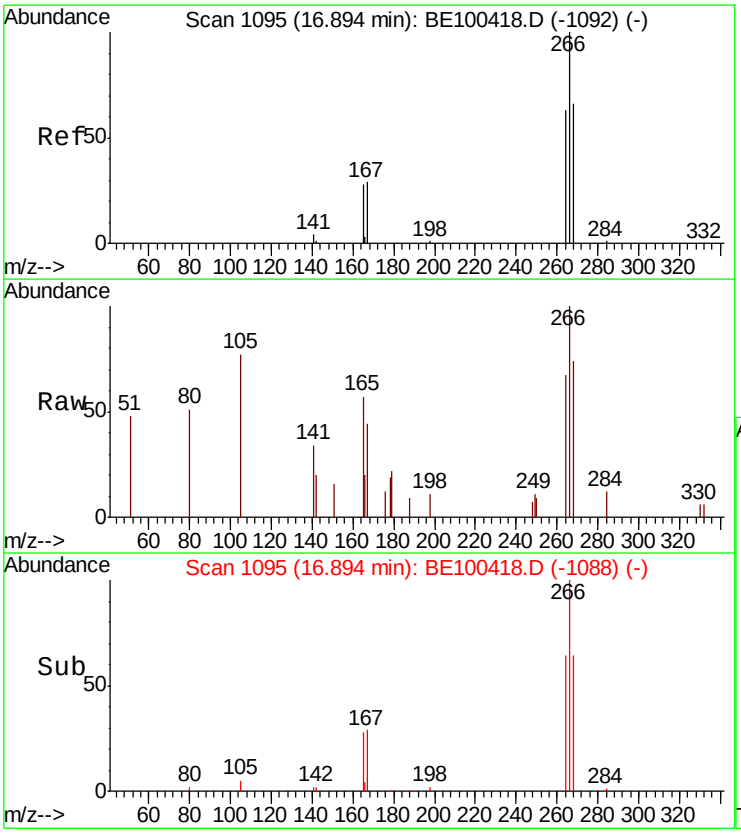
#21
Hexachlorobenzene
Concen: 0.307 ng
RT: 16.56 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 6048

Ion	Ratio	Lower	Upper
284	100		
142	33.1	26.7	40.1
249	32.1	25.6	38.4

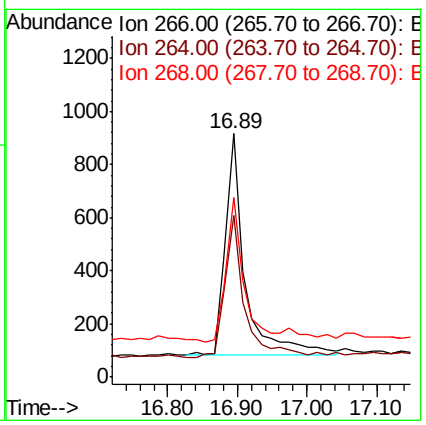


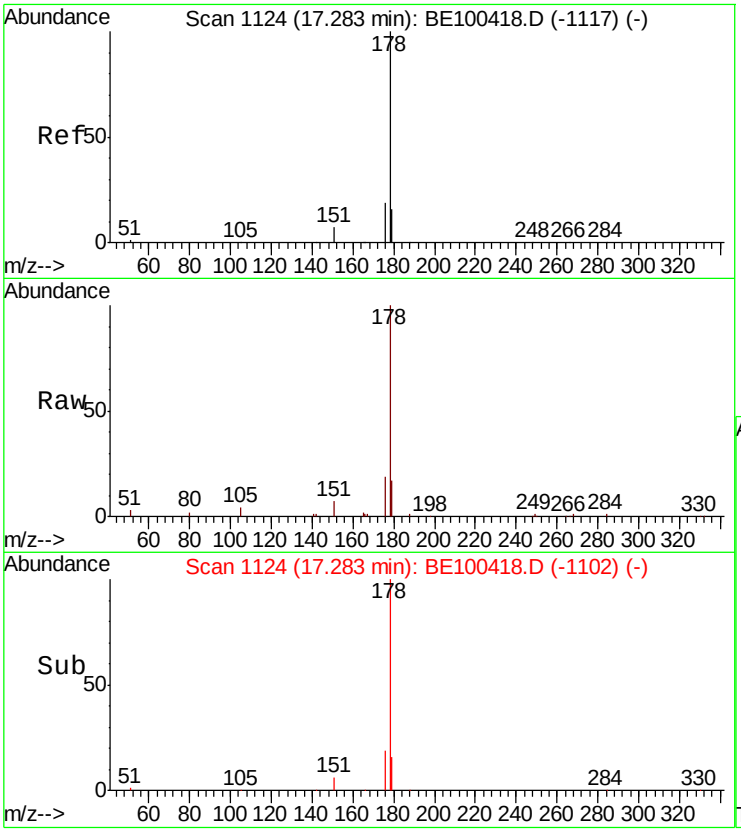


#22
Pentachlorophenol
Concen: 0.656 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:266 Resp: 1616

Ion	Ratio	Lower	Upper
266	100		
264	66.6	53.3	79.9
268	73.9	59.1	88.7



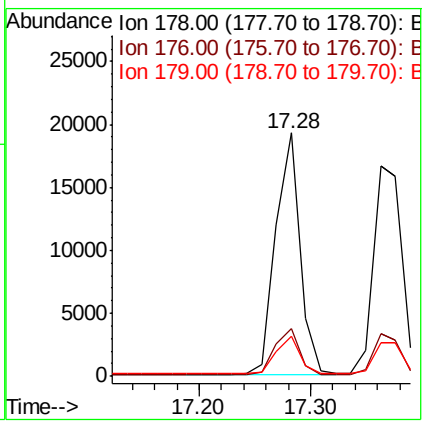


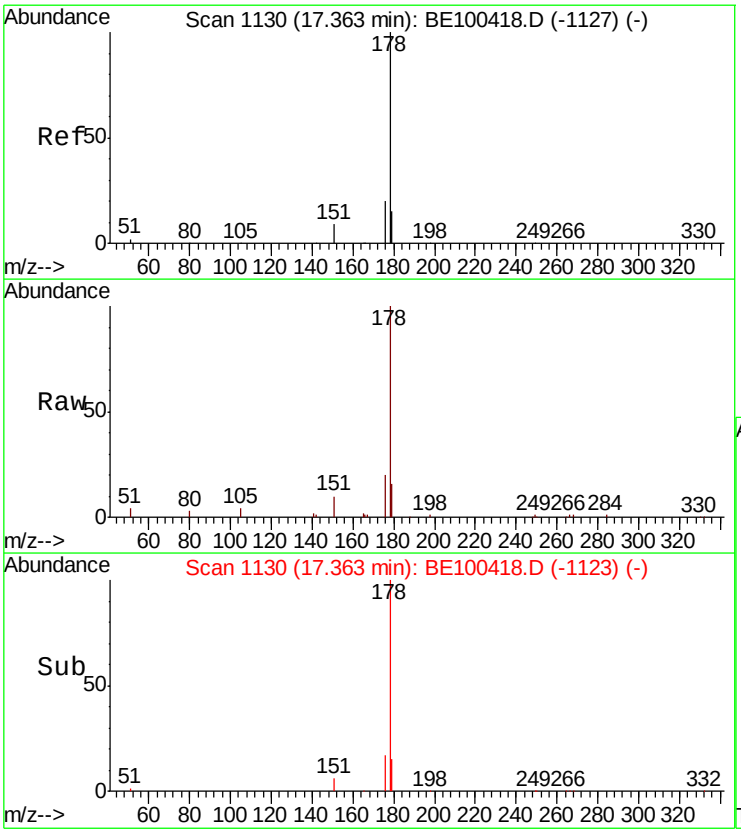
#23
Phenanthrene
Concen: 0.507 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 29324

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	18.8

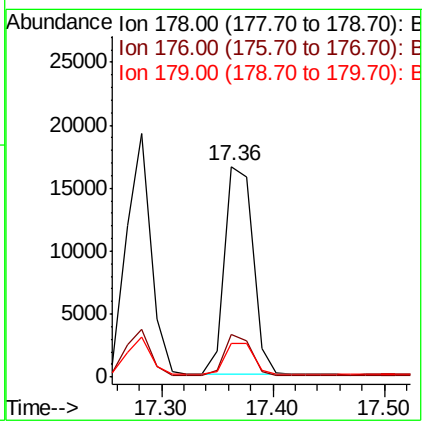


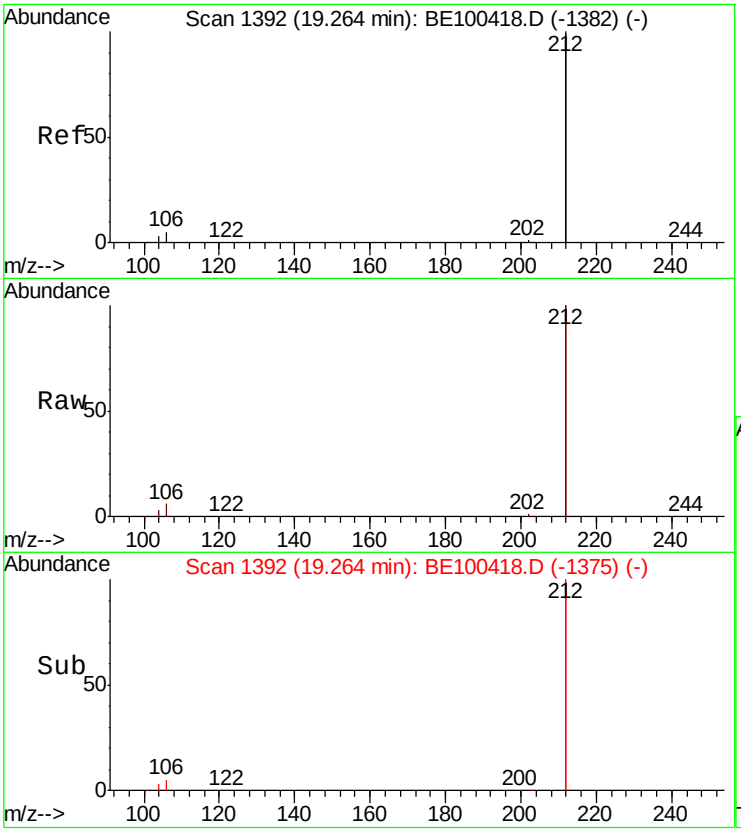


#24
Anthracene
Concen: 0.618 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:178 Resp: 29191

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.7	12.6	19.0



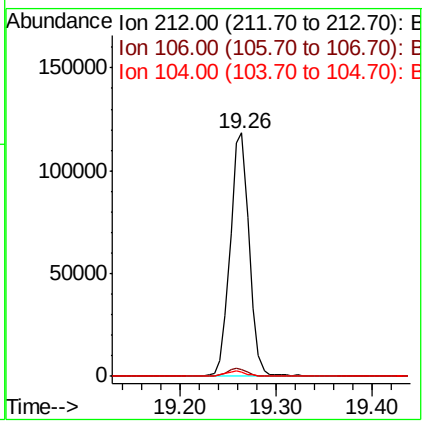


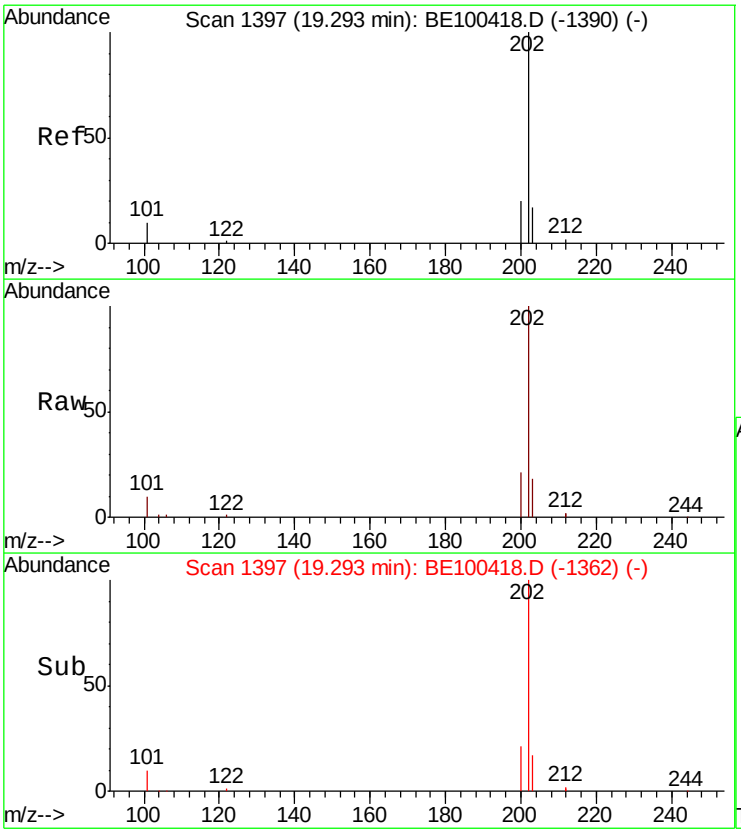
#25
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 159222

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.5	3.7
104	1.7	1.4	2.0

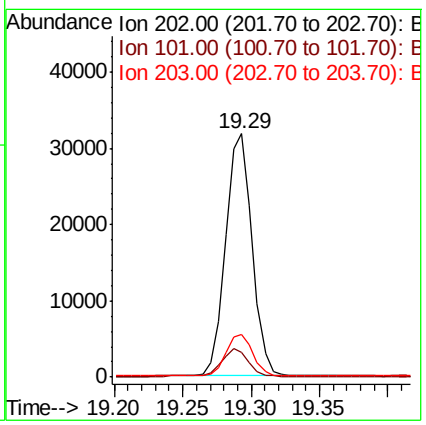


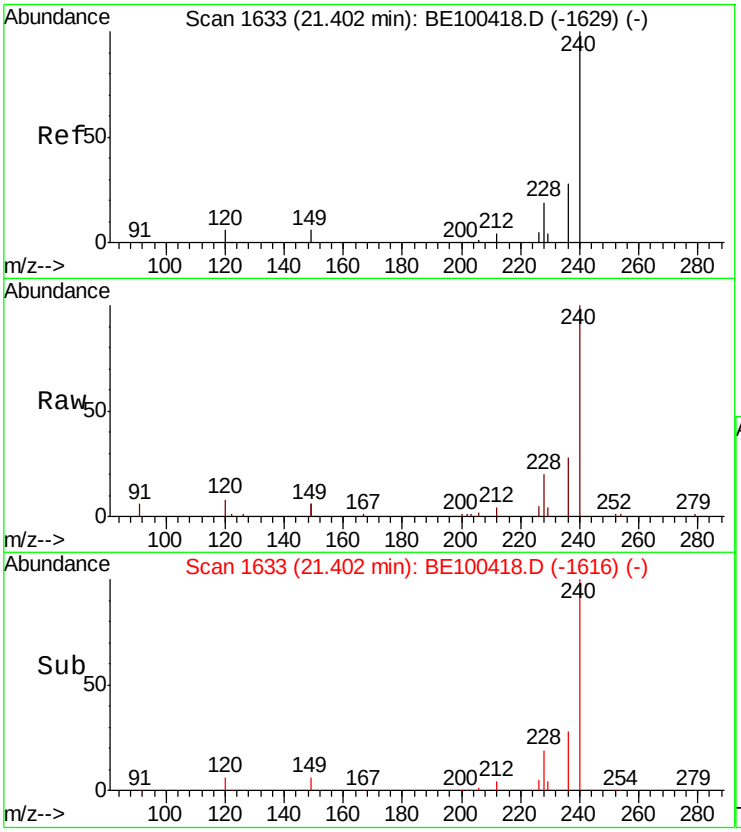


#26
Fluoranthene
Concen: 0.398 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:202 Resp: 43147

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
203	17.2	13.8	20.6



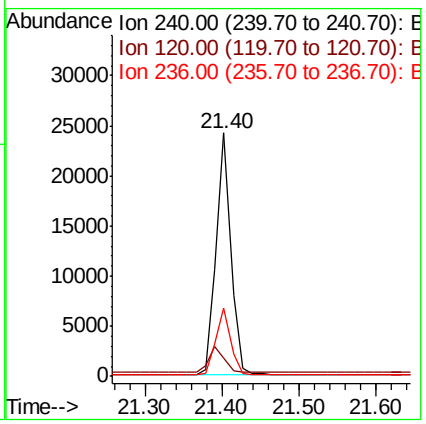


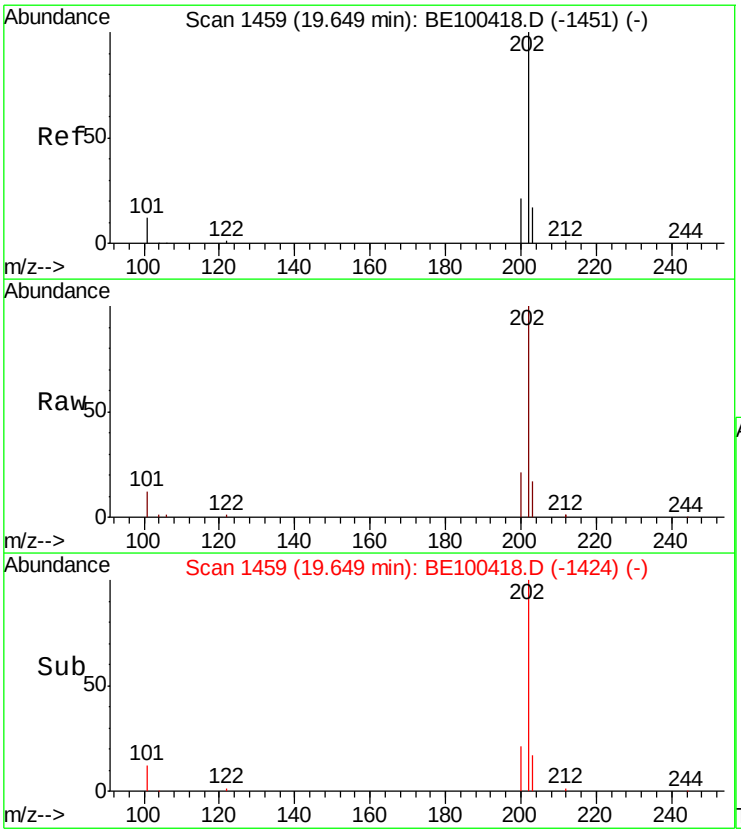
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 32136

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.1	9.1
236	28.1	22.5	33.7

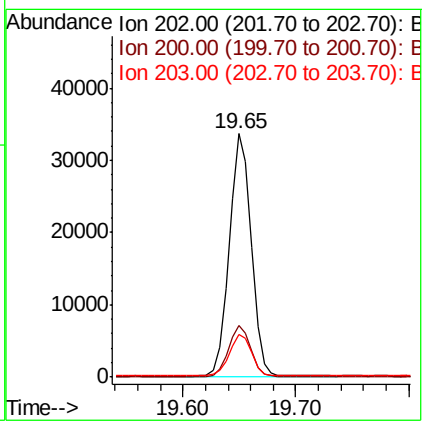


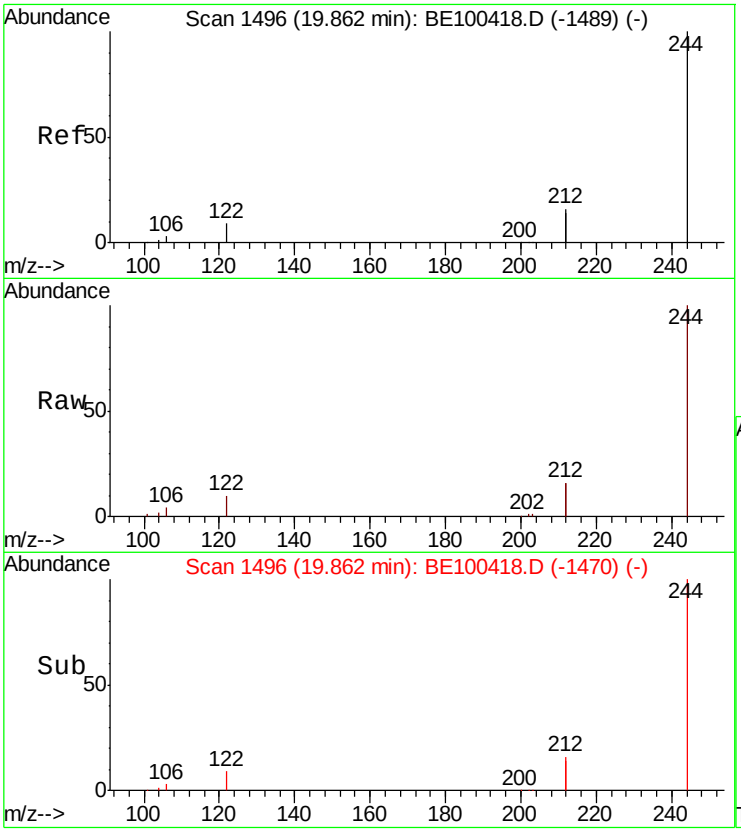


#28
Pyrene
Concen: 0.621 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:202 Resp: 45708

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	14.1	21.1



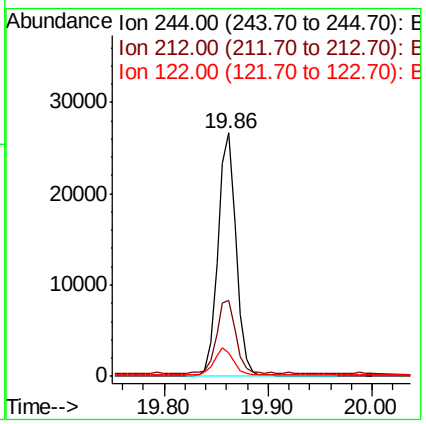


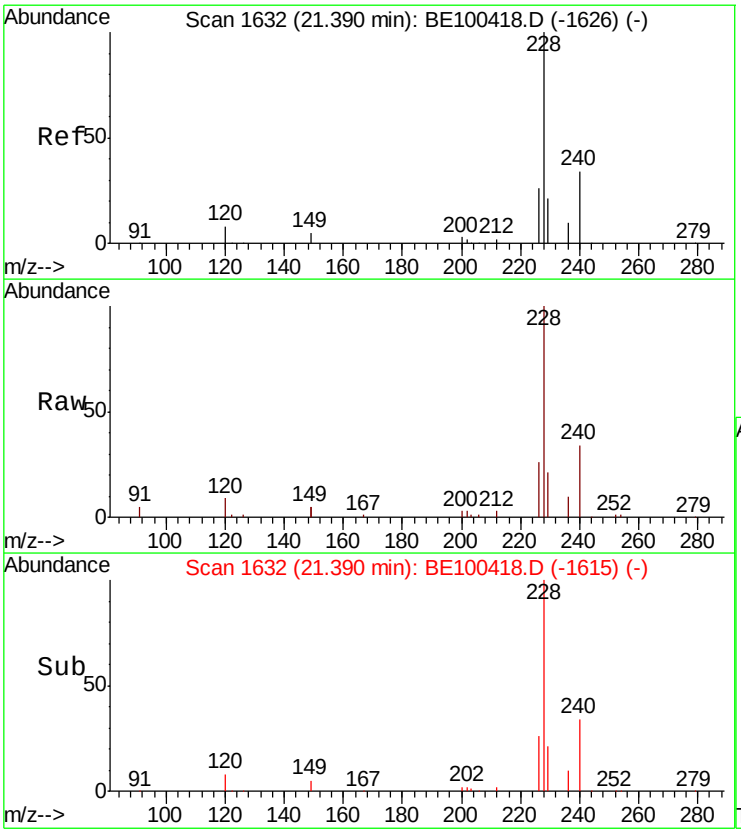
#29
Terphenyl-d14
Concen: 0.536 ng
RT: 19.86 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 31801

Ion	Ratio	Lower	Upper
244	100		
212	31.3	25.0	37.6
122	9.6	7.7	11.5

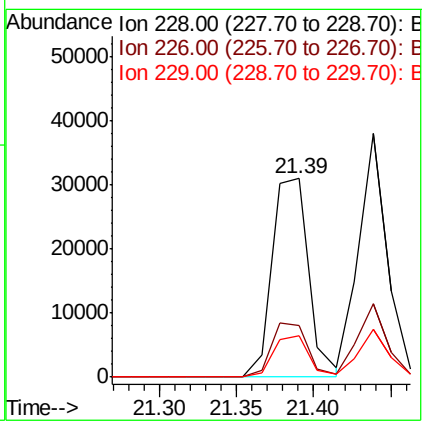


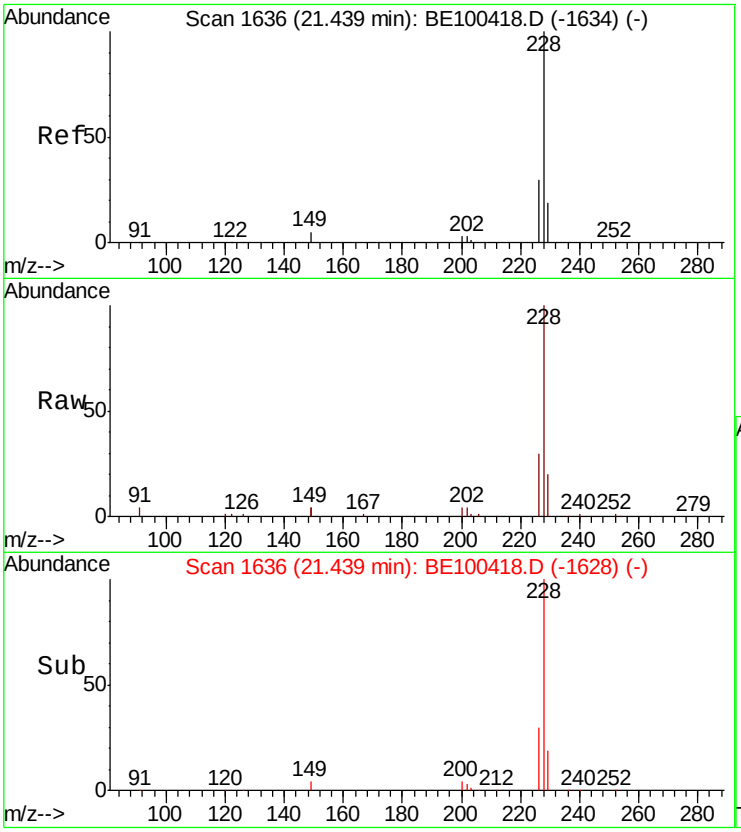


#30
Benzo(a)anthracene
Concen: 0.565 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:228 Resp: 51258

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.4
229	20.9	16.7	25.1



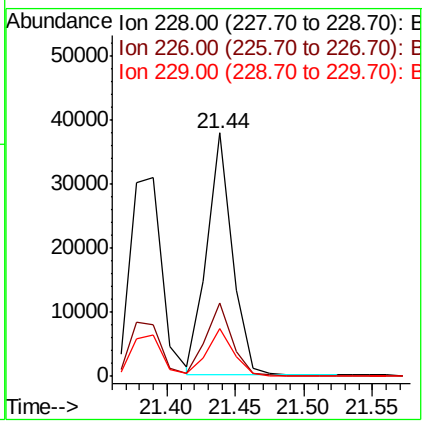


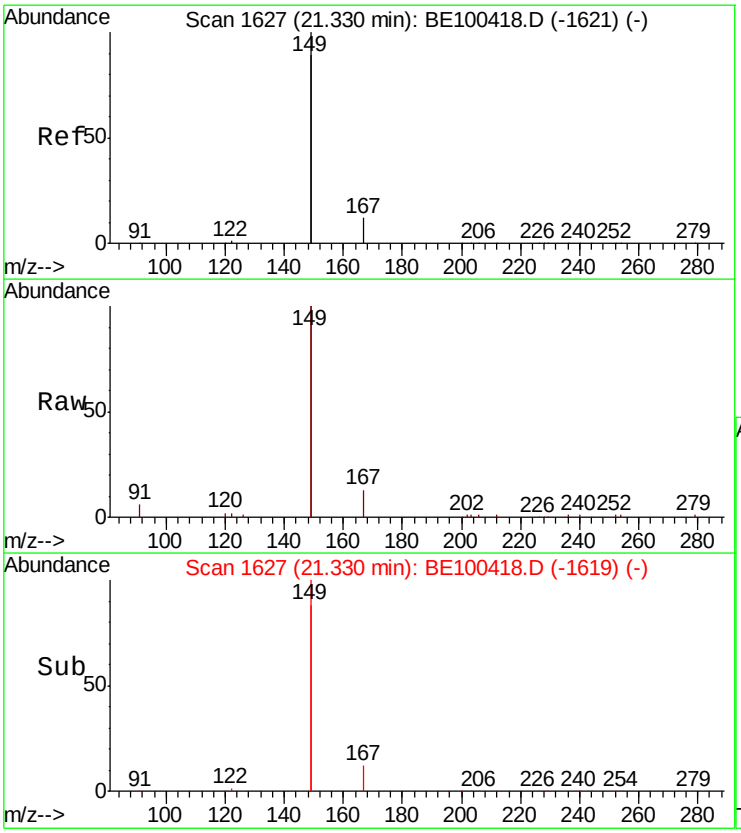
#31
Chrysene
Concen: 0.473 ng
RT: 21.44 min Scan# 1636
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 49027

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	19.6	15.7	23.5

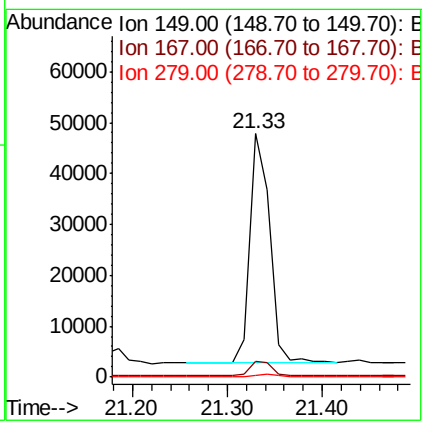


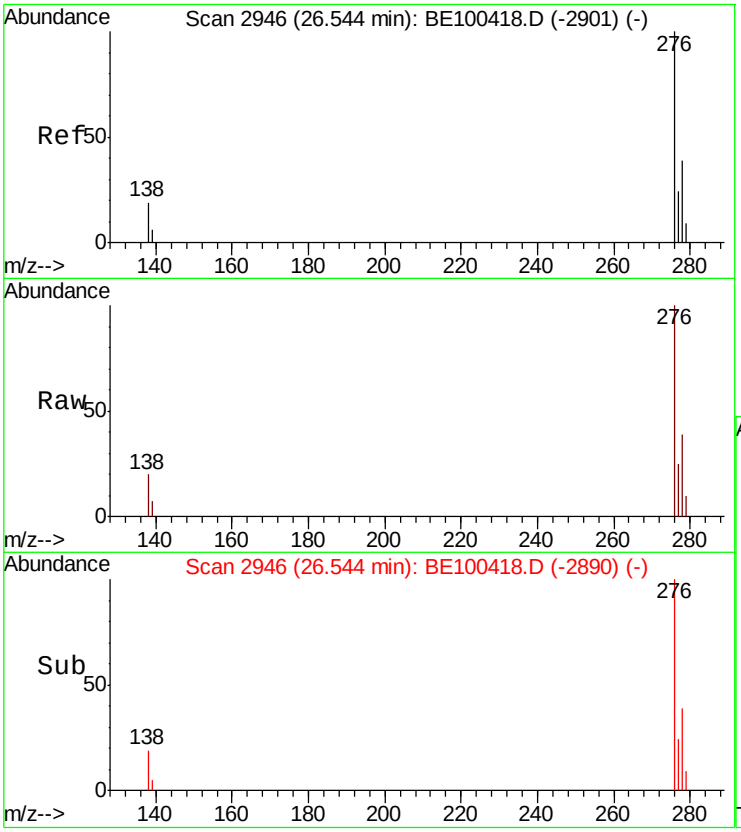


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.835 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:149 Resp: 65373

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.2
279	1.0	0.8	1.2



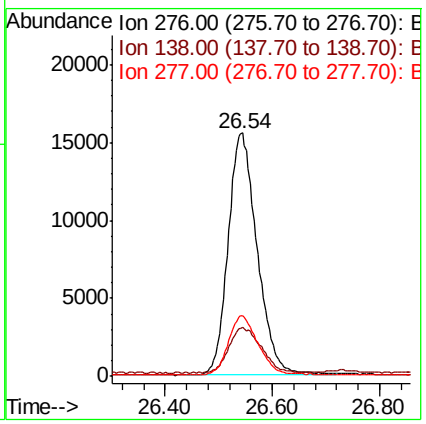


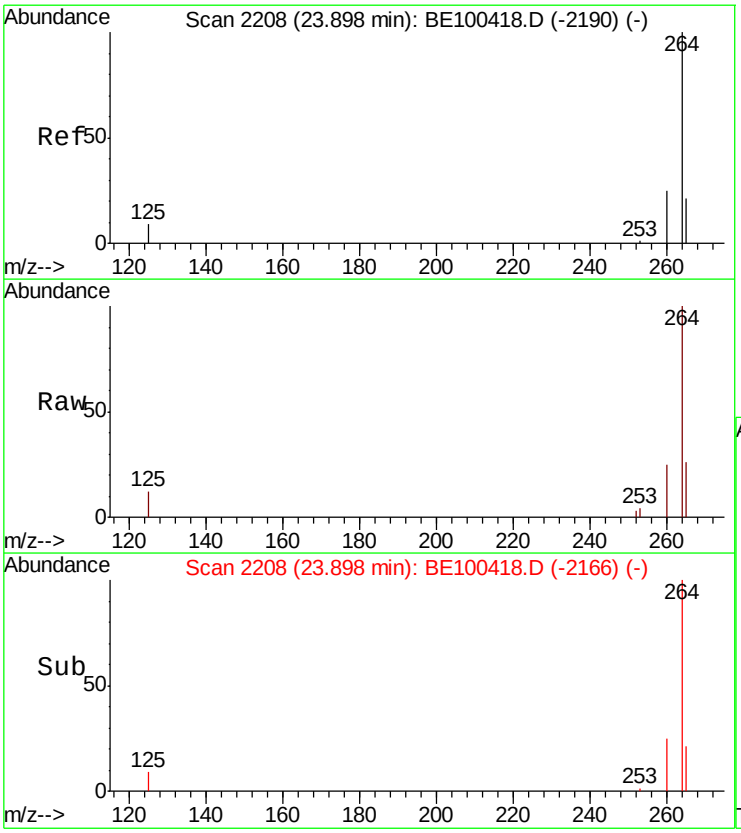
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 58613

Ion	Ratio	Lower	Upper
276	100		
138	20.7	0.0	0.0#
277	24.6	0.0	0.0#

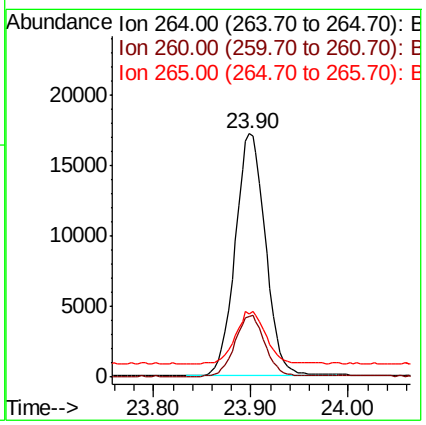


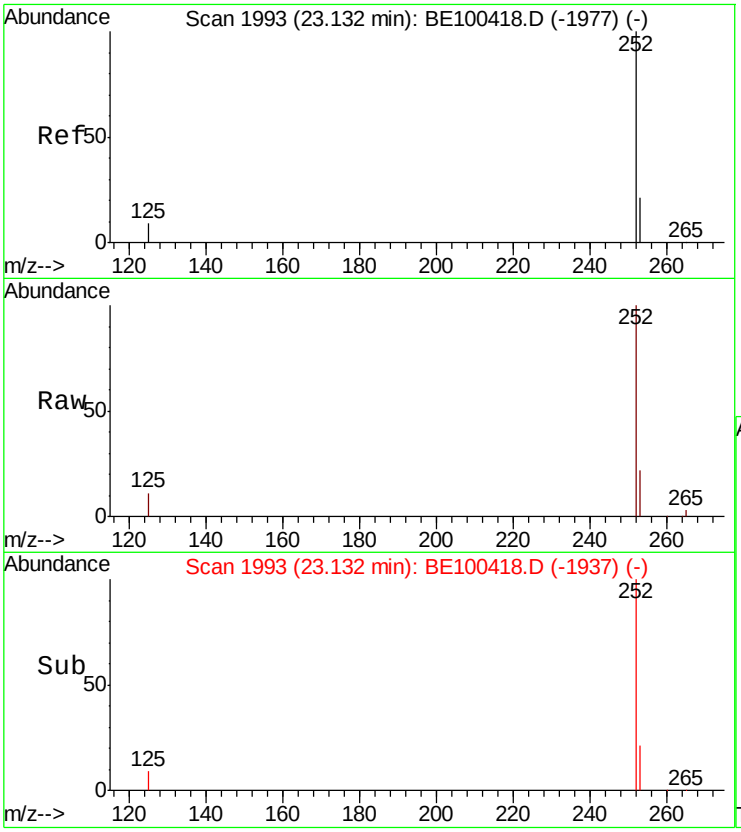


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:264 Resp: 37259

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	26.0	20.8	31.2



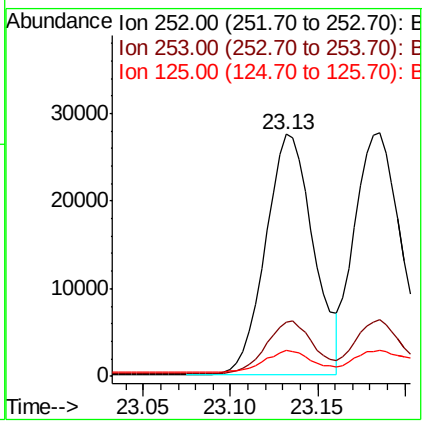


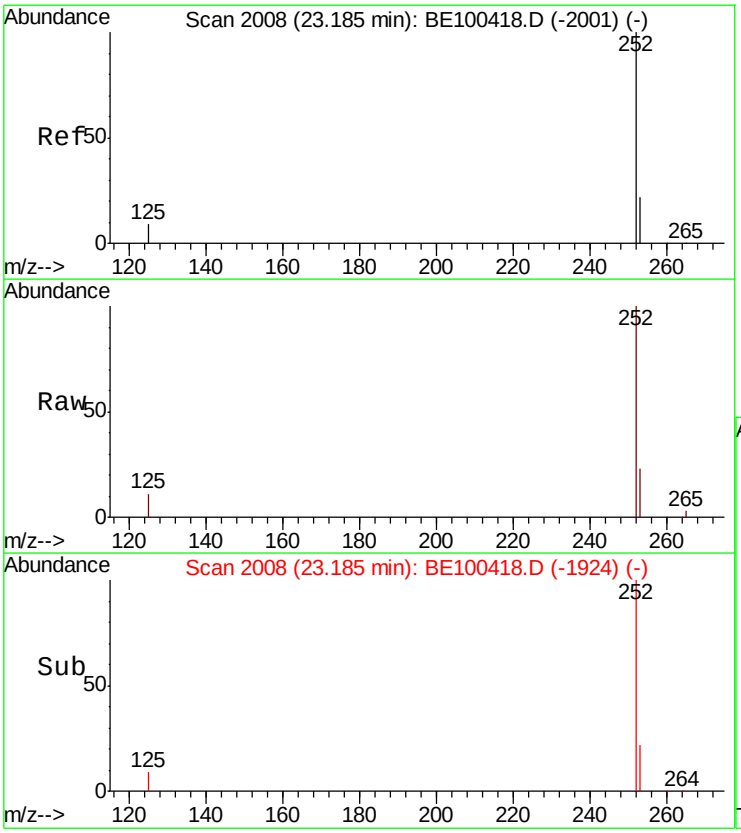
#35
Benzo(b)fluoranthene
Concen: 0.526 ng
RT: 23.13 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 52343

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	10.6	8.5	12.7

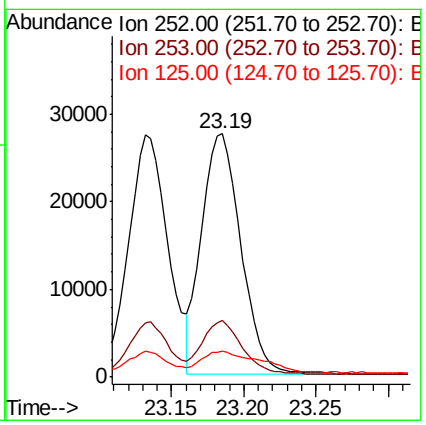


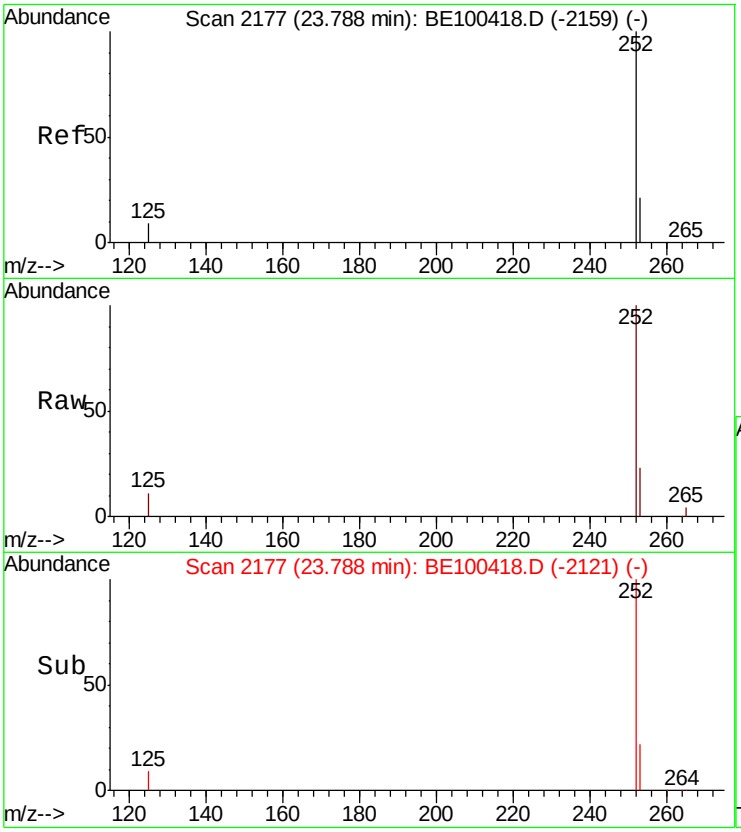


#36
Benzo(k)fluoranthene
Concen: 0.420 ng
RT: 23.19 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:252 Resp: 51749

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	10.6	8.5	12.7



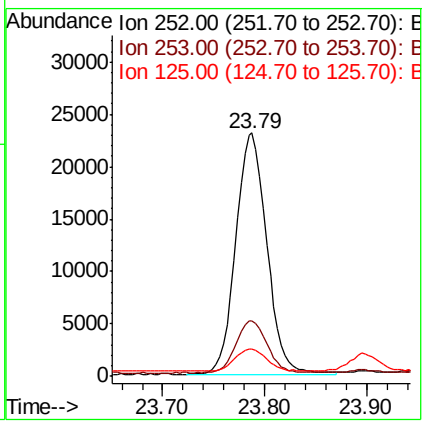


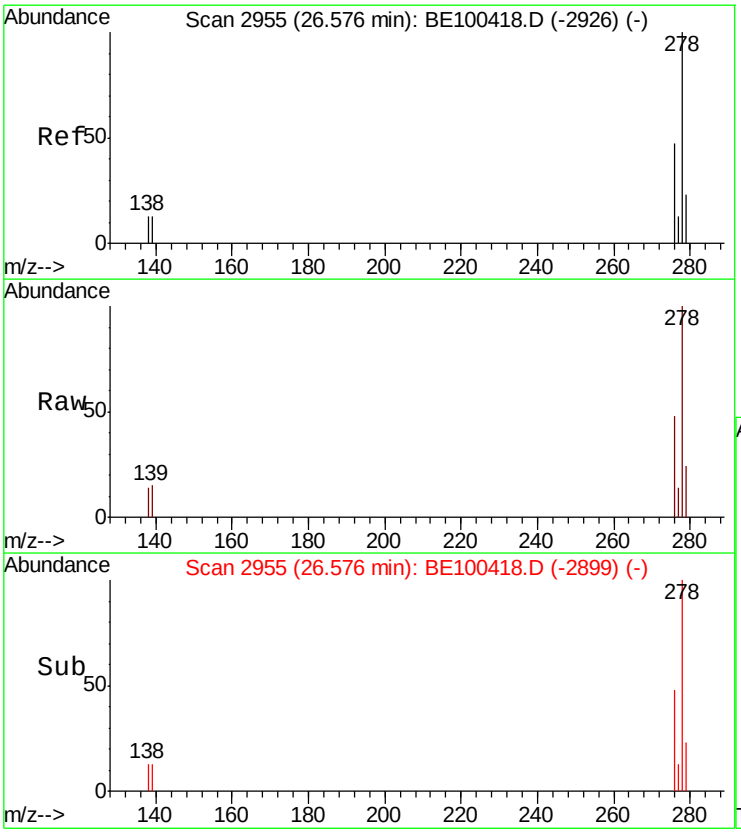
#37
Benzo(a)pyrene
Concen: 0.466 ng
RT: 23.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 48800

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.3	9.0	13.6

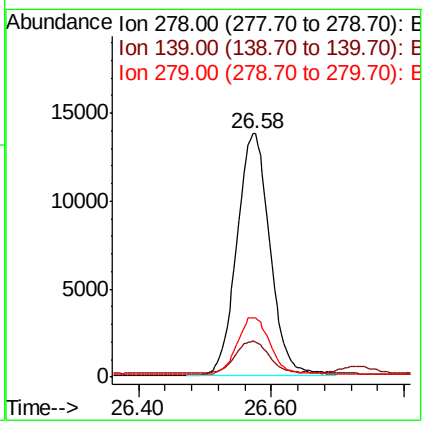


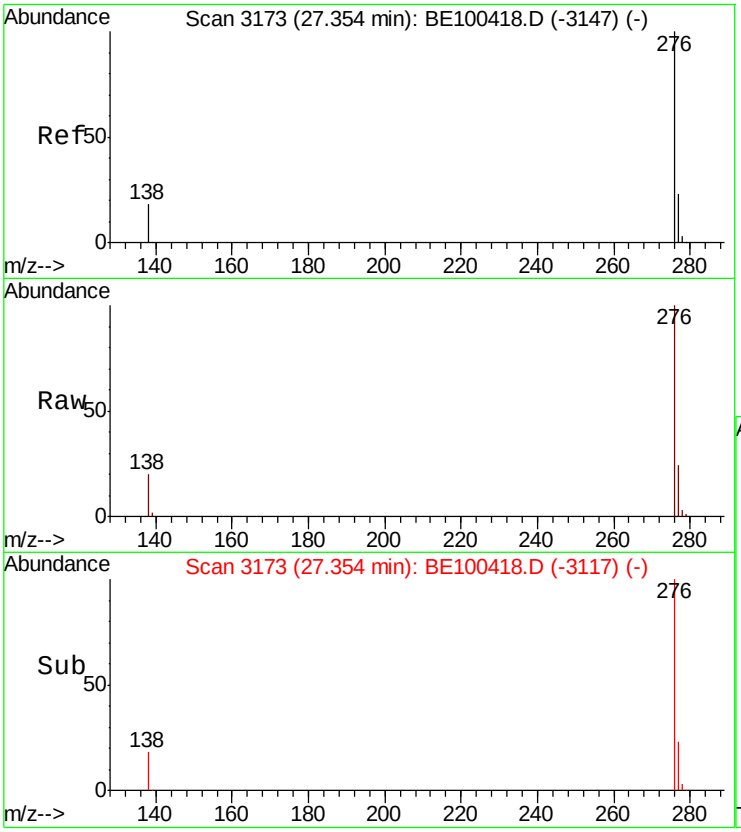


#38
Dibenzo(a,h)anthracene
Concen: 0.465 ng
RT: 26.58 min Scan# 2955
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Tgt Ion:278 Resp: 47935

Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.6	17.4
279	24.2	19.4	29.0





#39
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 27.35 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE100418.D
Acq: 12 Jul 2019 13:01

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 48108

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	19.6	15.7	23.5