Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
Data File : BE100442.D
Acq On : 16 Jul 2019 12:10
Operator : HP/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC5.0

Quant Time: Jul 16 14:04:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 12:52:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	5581	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	20463	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	12206	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	28521	0.40	ng		0.00
27) Chrysene-d12	21.39	240	33589	0.40	ng		0.00
34) Perylene-d12	23.88	264	29095	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	51834	4.57	ng		0.00
5) Phenol-d6	7.04	99	78444	4.79	ng		0.00
8) Nitrobenzene-d5	9.03	82	64855	6.20	ng		0.00
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng		
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
15) 2-Fluorobiphenyl	13.15	172	245086	4.53	ng		0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng		
29) Terphenyl-d14	19.85	244	407276	4.99	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	32044	3.988	ng		96
3) n-Nitrosodimethylamine	3.68	42	27758	5.634	ng	#	79
6) bis(2-Chloroethyl)ether	7.31	93	72268	4.553	ng		100
9) Naphthalene	10.72	128	960165	4.818	ng		100
10) Hexachlorobutadiene	11.03	225	45203	4.749	ng		99
12) 2-Methylnaphthalene	12.34	142	171984	5.123	ng		99
16) Acenaphthylene	14.23	152	275902	5.452	ng		100
17) Acenaphthene	14.57	154	170553	4.944	ng		96
18) Fluorene	15.54	166	219974	4.969	ng		100
20) 4-Bromophenyl-phenylether	16.44	248	80180	5.496	ng	#	56
21) Hexachlorobenzene	16.55	284	88560	5.301	ng		98
23) Phenanthrene	17.27	178	377279	5.092	ng		99
24) Anthracene	17.36	178	358455	5.707	ng		99
26) Fluoranthene	19.28	202	529515	5.521	ng		99
28) Pyrene	19.64	202	509225	5.184	ng		99
30) Benzo(a)anthracene	21.38	228	511335	5.551	ng		100
31) Chrysene	21.43	228	519712	4.803	ng		100
33) Indeno(1,2,3-cd)pyrene	26.52	276	531619	5.427	ng		99
35) Benzo(b)fluoranthene	23.12	252	479210	5.245	ng		99
36) Benzo(k)fluoranthene	23.17	252	513599	5.372	ng		98
37) Benzo(a)pyrene	23.77	252	430700	5.632	ng		98
38) Dibenzo(a,h)anthracene	26.55	278	449975	5.635	ng		97
39) Benzo(g,h,i)perylene	27.33	276	438991	5.295	ng		98

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

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ClientSampleId :
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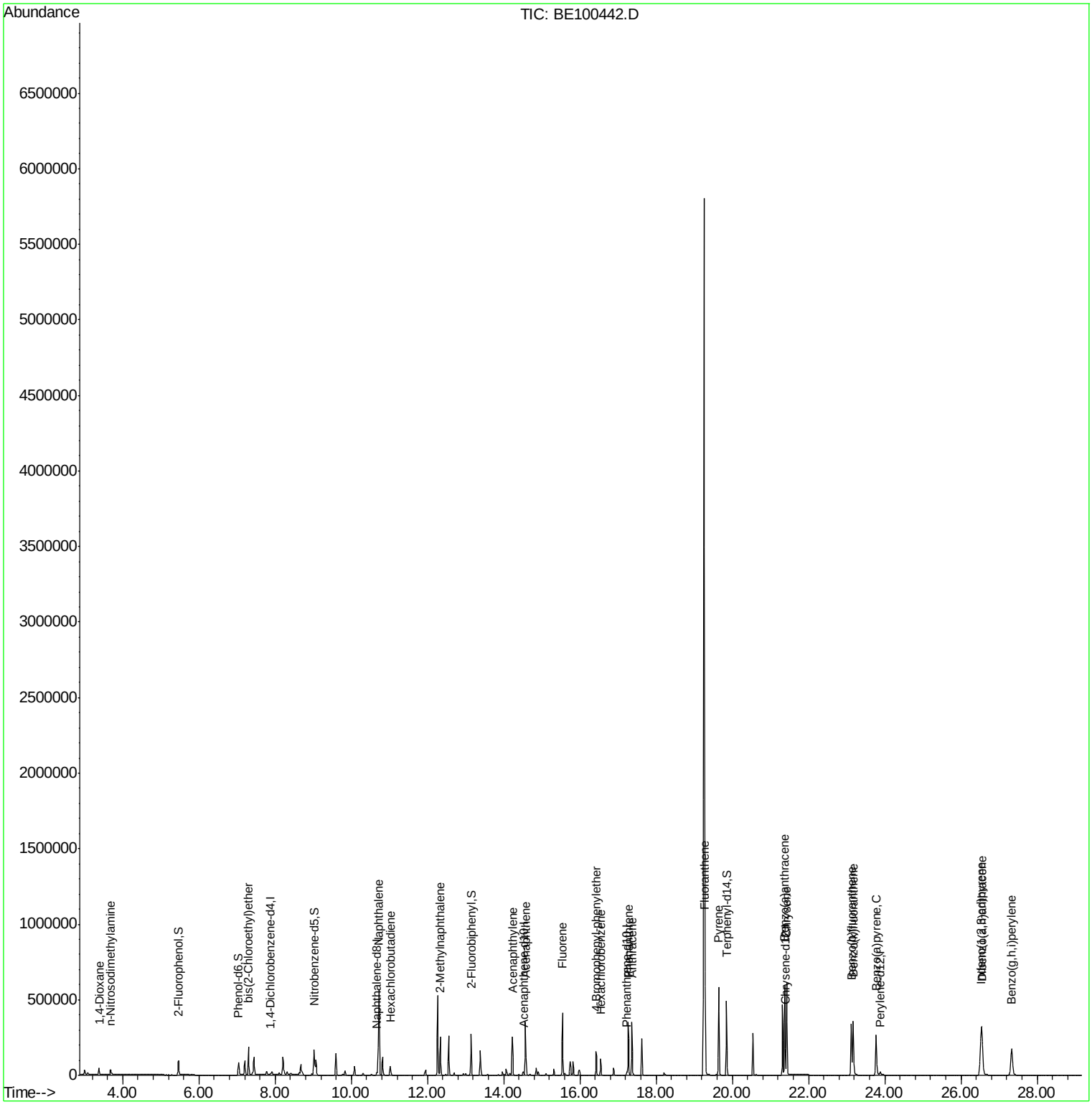
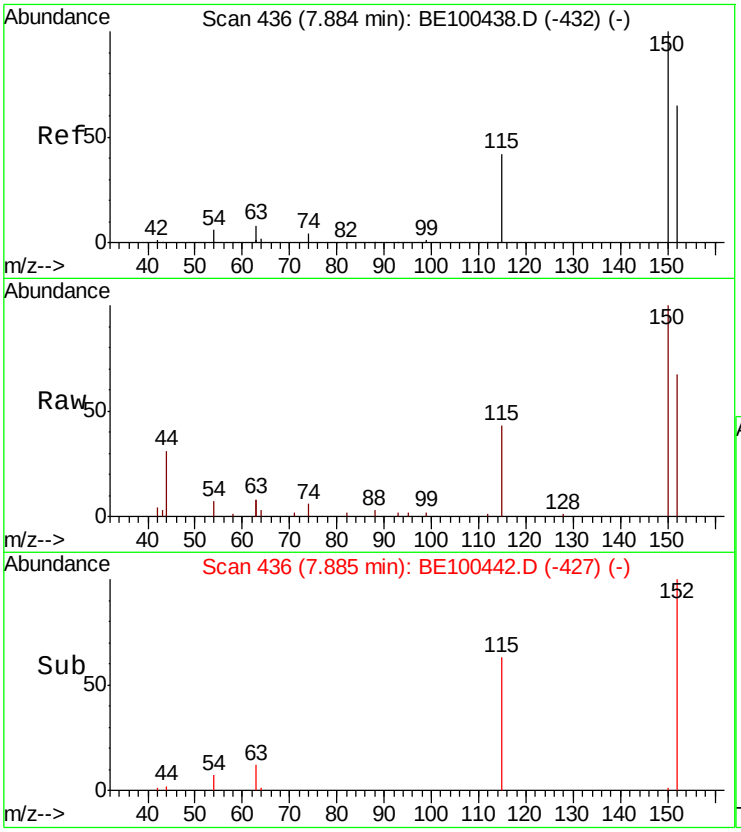


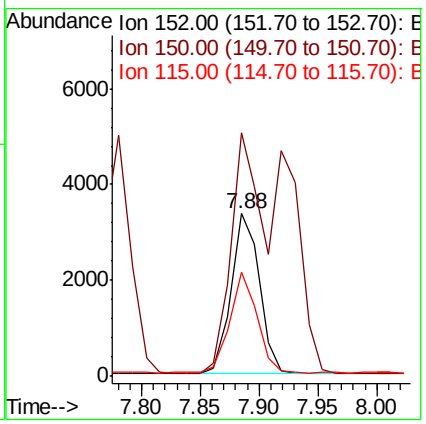


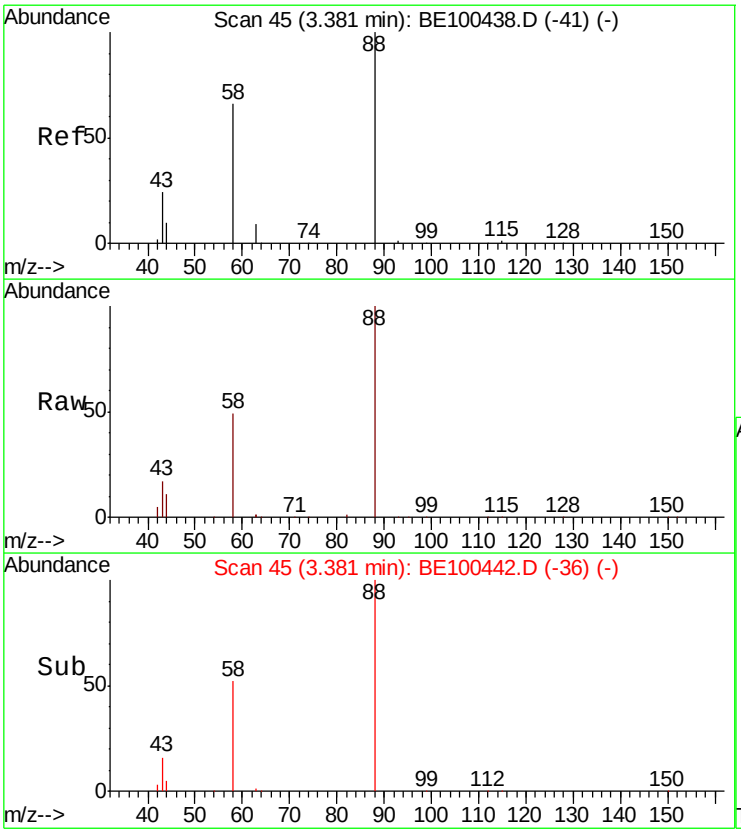
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 5581

Ion	Ratio	Lower	Upper
152	100		
150	149.9	121.7	182.5
115	64.2	52.4	78.6

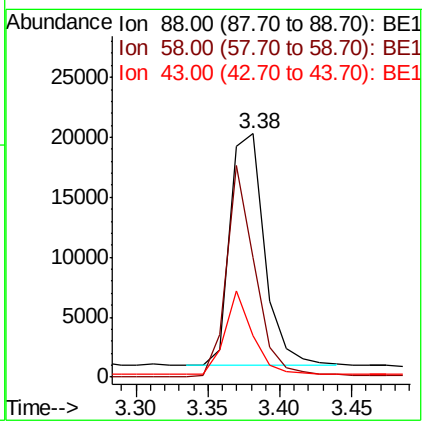


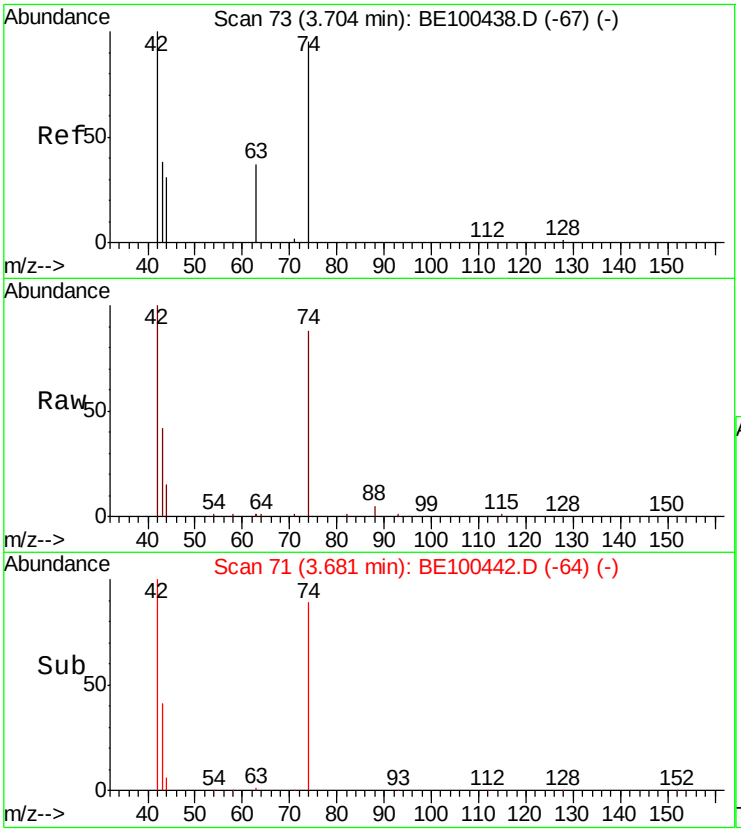


#2
1,4-Dioxane
Concen: 3.988 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 88 Resp: 32044

Ion	Ratio	Lower	Upper
88	100		
58	75.2	57.8	86.8
43	28.7	25.0	37.6



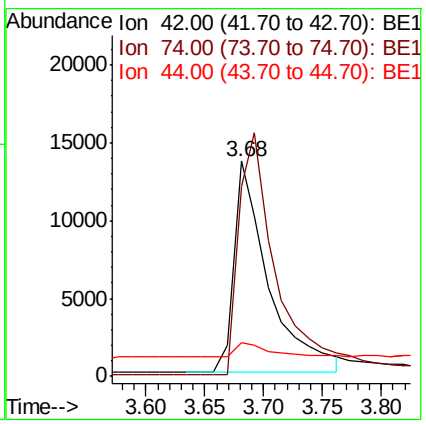


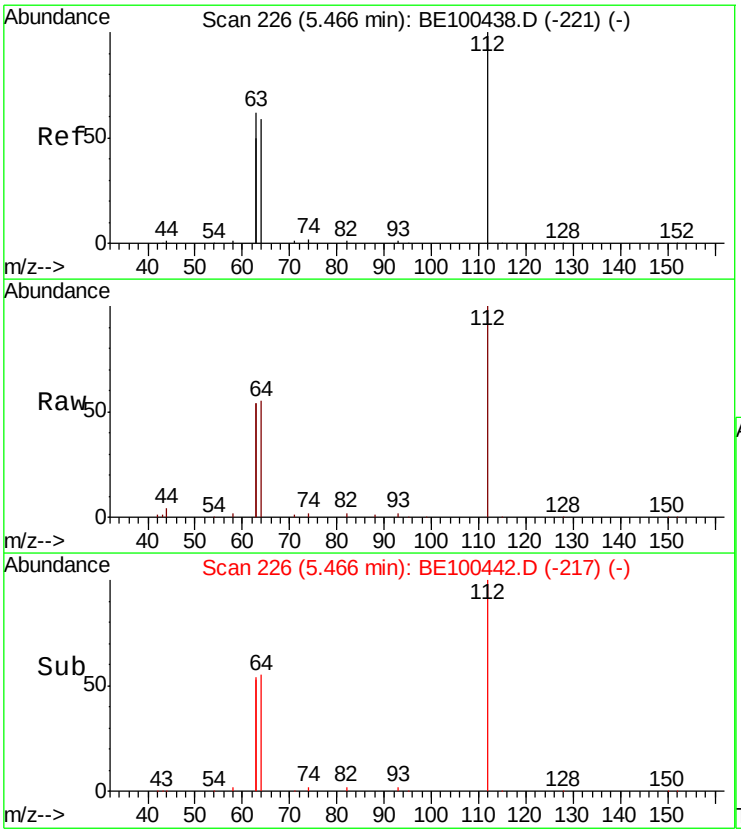
#3
n-Nitrosodimethylamine
Concen: 5.634 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.02 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 27758

Ion	Ratio	Lower	Upper
42	100		
74	124.2	85.3	127.9
44	6.9	21.8	32.8#

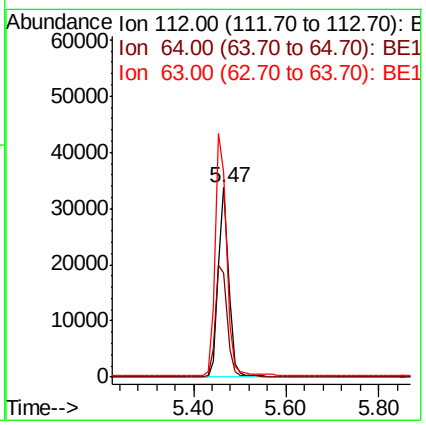


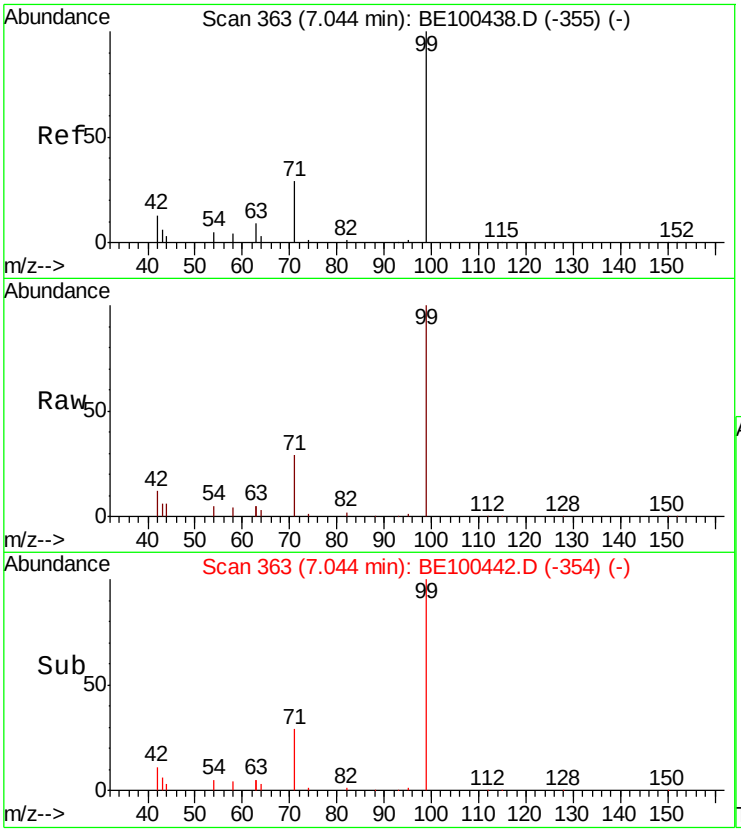


#4
2-Fluorophenol
Concen: 4.574 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:112 Resp: 51834

Ion	Ratio	Lower	Upper
112	100		
64	67.3	55.0	82.4
63	140.5	114.8	172.2



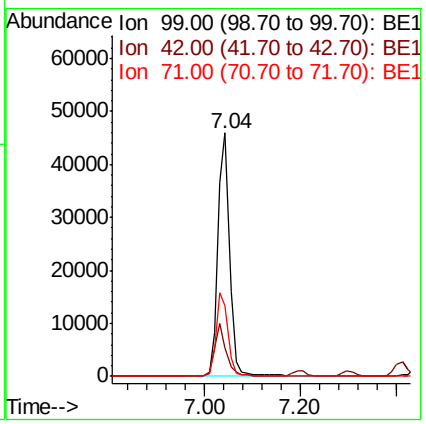


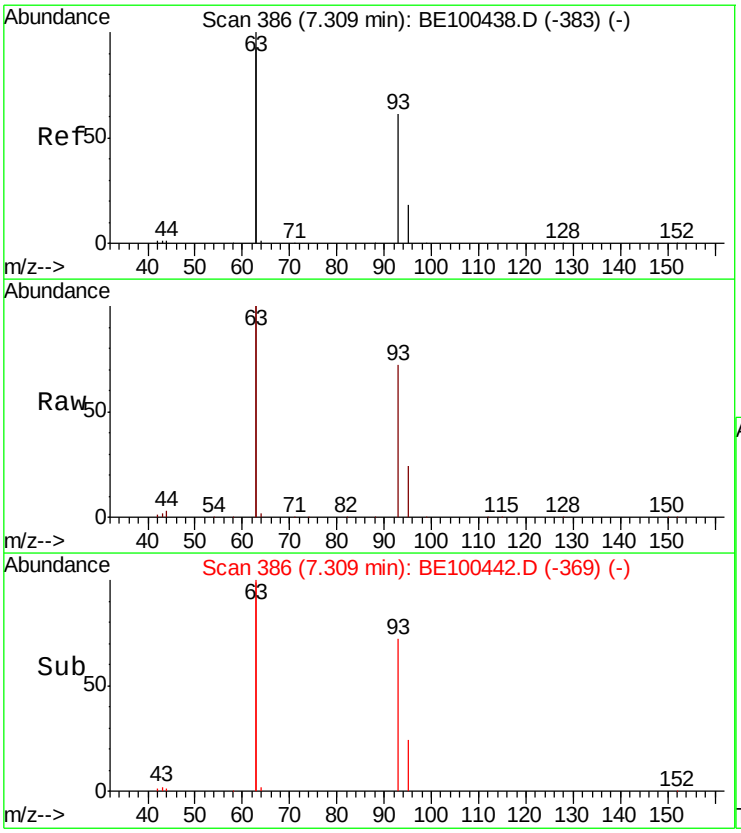
#5
Phenol-d6
Concen: 4.792 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 78444

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.4	26.2
71	34.8	28.2	42.4

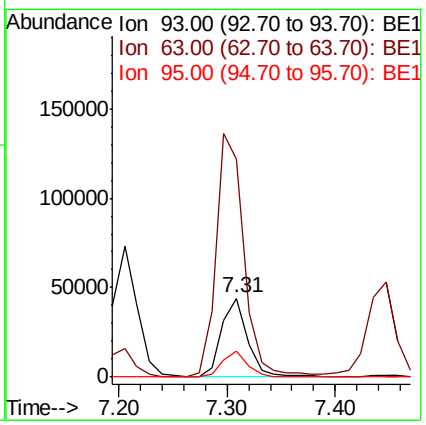


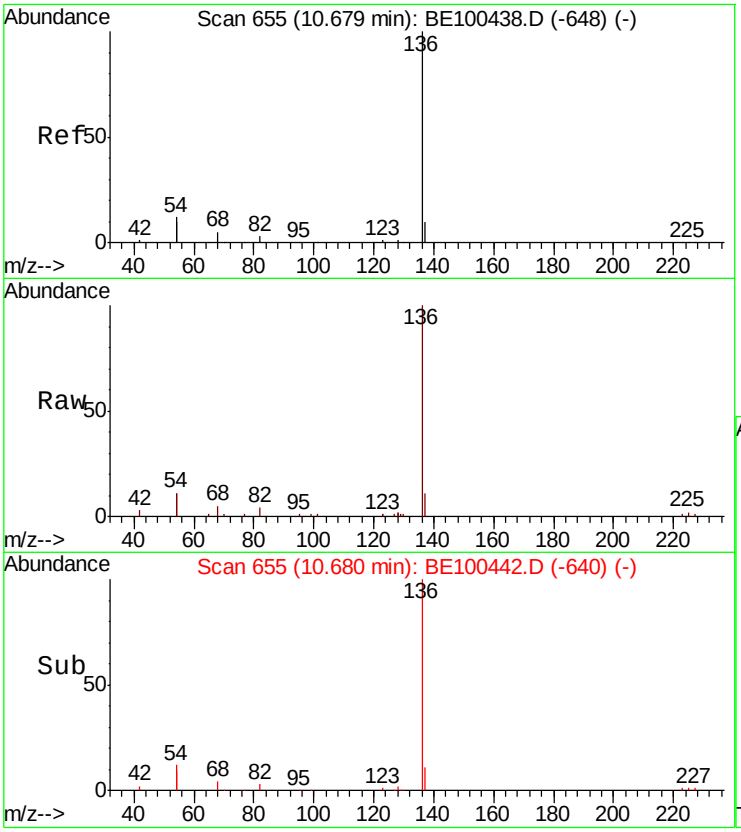


#6
bis(2-Chloroethyl)ether
Concen: 4.553 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 93 Resp: 72268

Ion	Ratio	Lower	Upper
93	100		
63	333.6	266.9	400.3
95	32.8	26.8	40.2



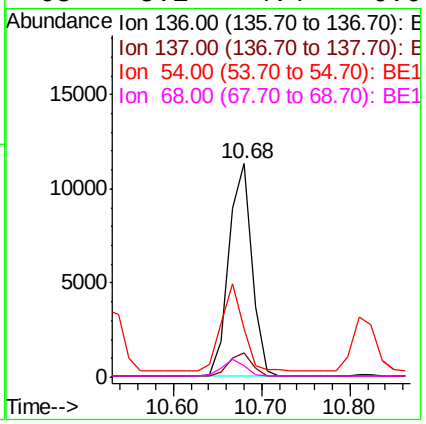


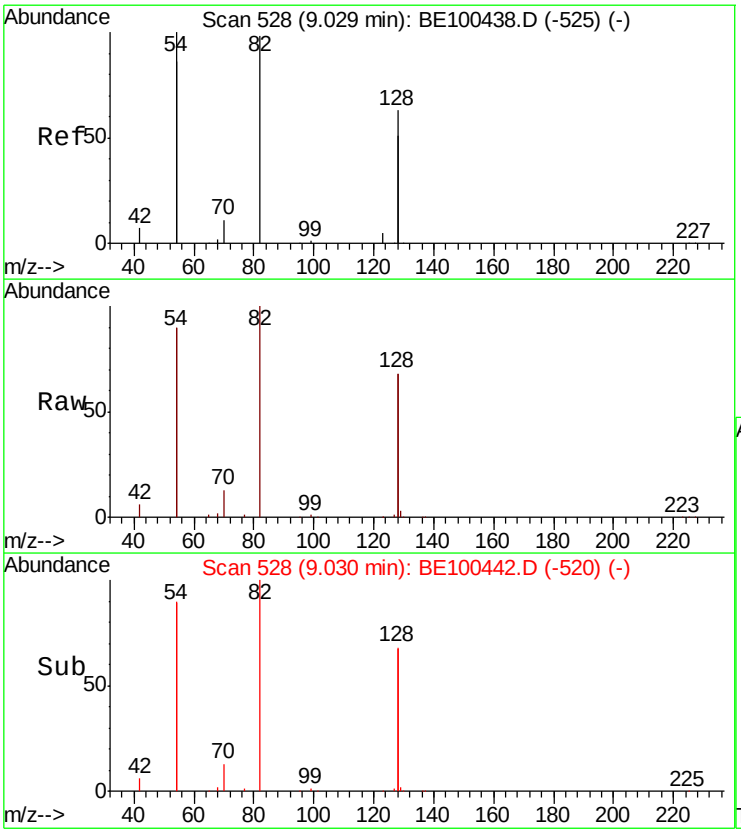
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 20463

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	22.9	19.6	29.4
68	5.1	4.4	6.6

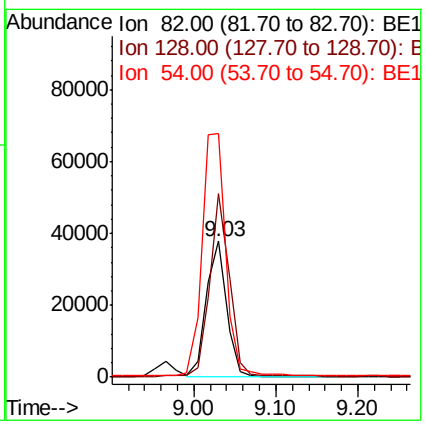


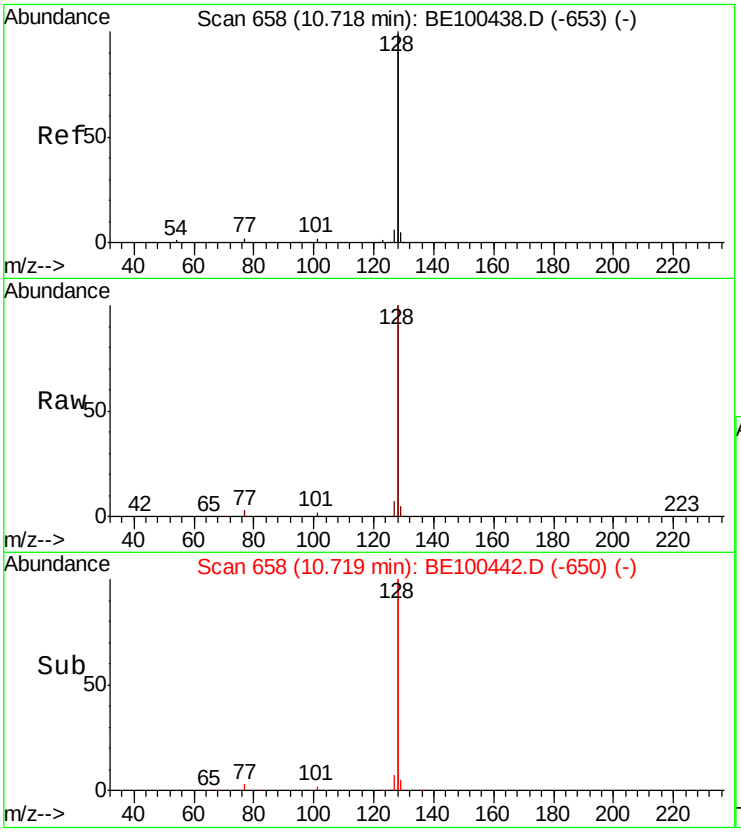


#8
Nitrobenzene-d5
Concen: 6.199 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 82 Resp: 64855

Ion	Ratio	Lower	Upper
82	100		
128	135.8	97.9	146.9
54	179.7	155.0	232.6



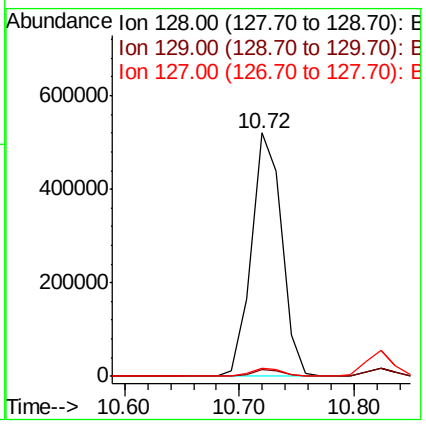


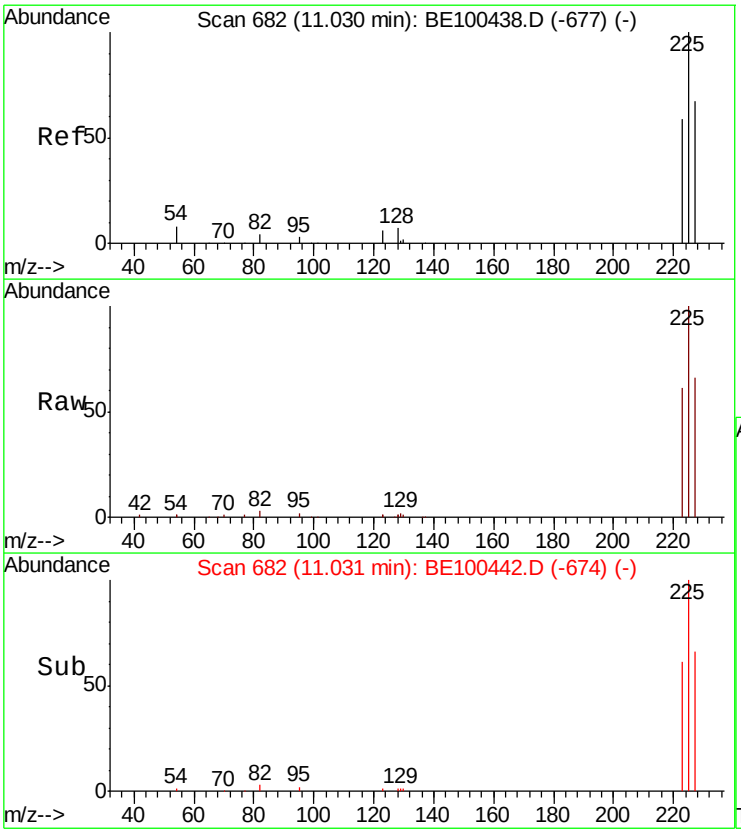
#9
Naphthalene
Concen: 4.818 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 960165

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.2	3.4
127	3.3	2.7	4.1

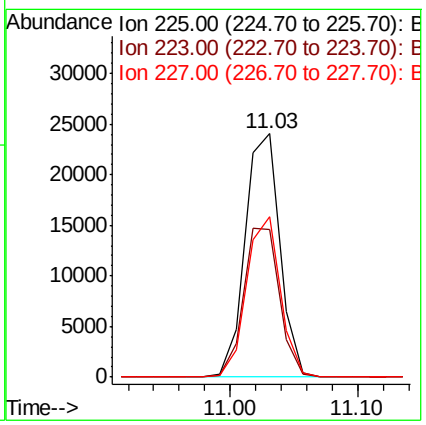


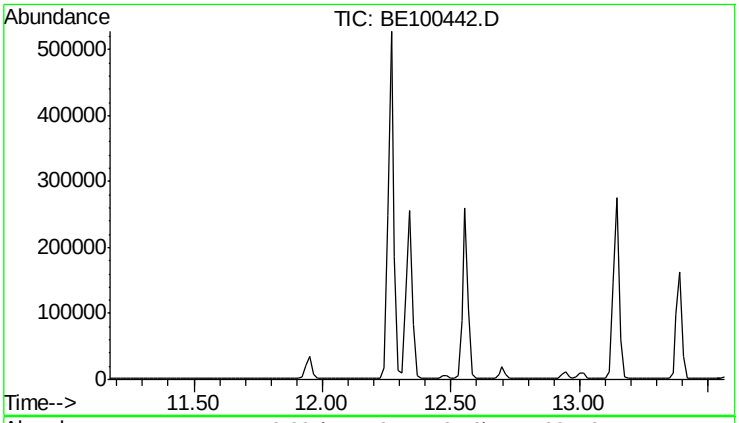


#10
Hexachlorobutadiene
Concen: 4.749 ng
RT: 11.03 min Scan# 682
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:225 Resp: 45203

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.8	74.8
227	63.8	52.3	78.5





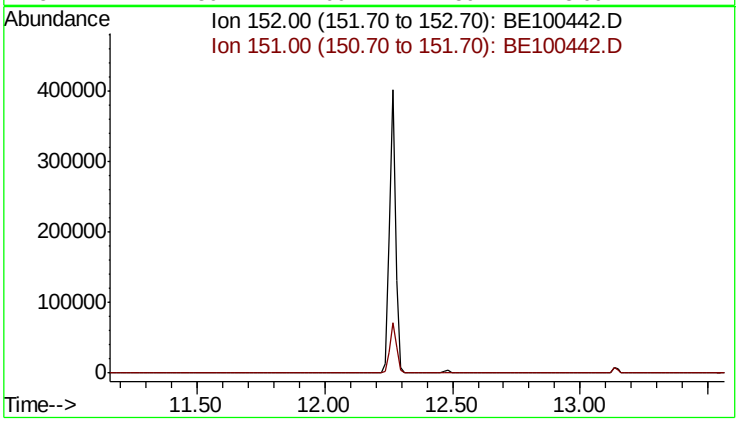
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.27 min

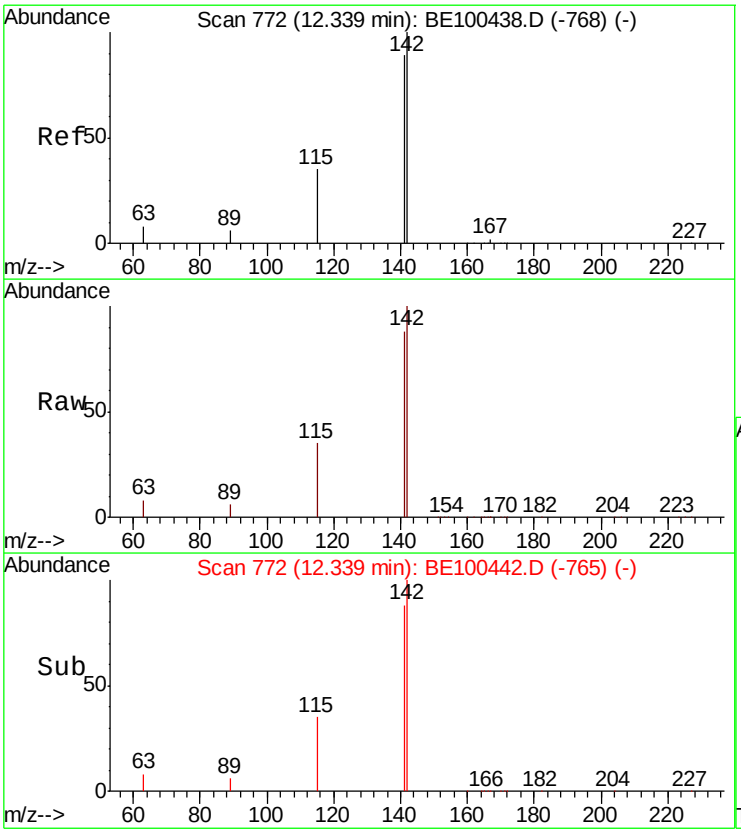
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	20.0

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

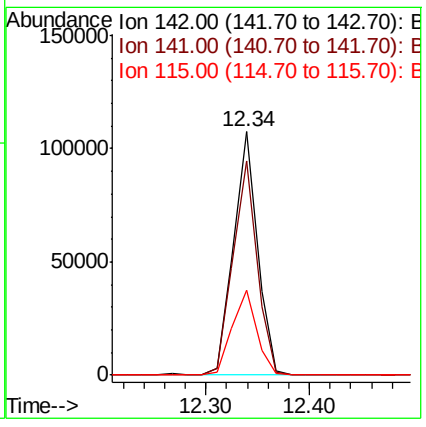


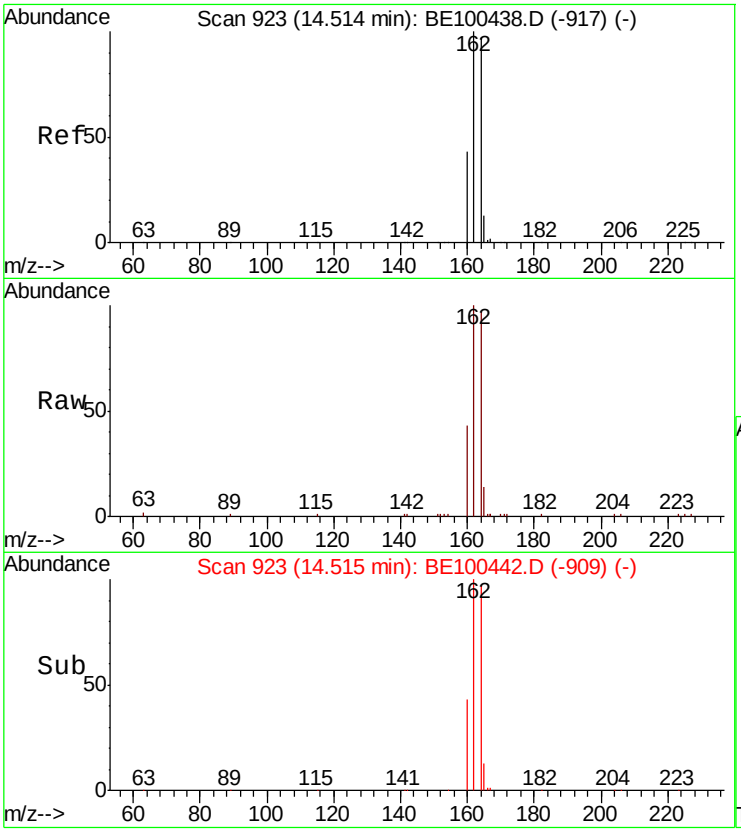


#12
2-Methylnaphthalene
Concen: 5.123 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:142 Resp: 171984

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.9	106.3
115	35.1	29.0	43.4



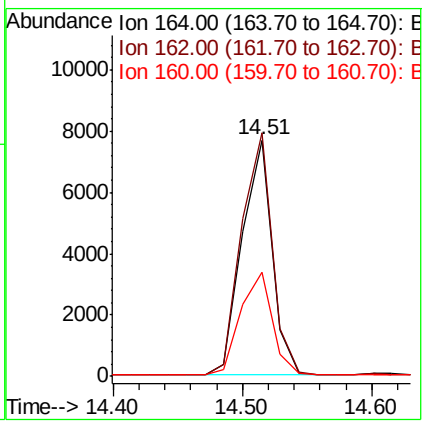


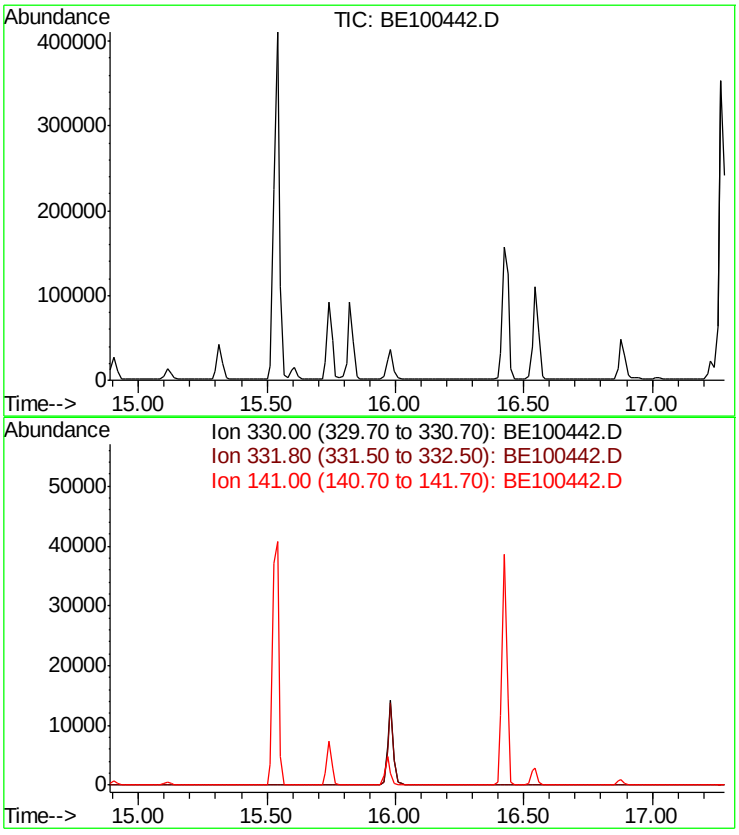
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 12206

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	124.0
160	44.3	35.6	53.4



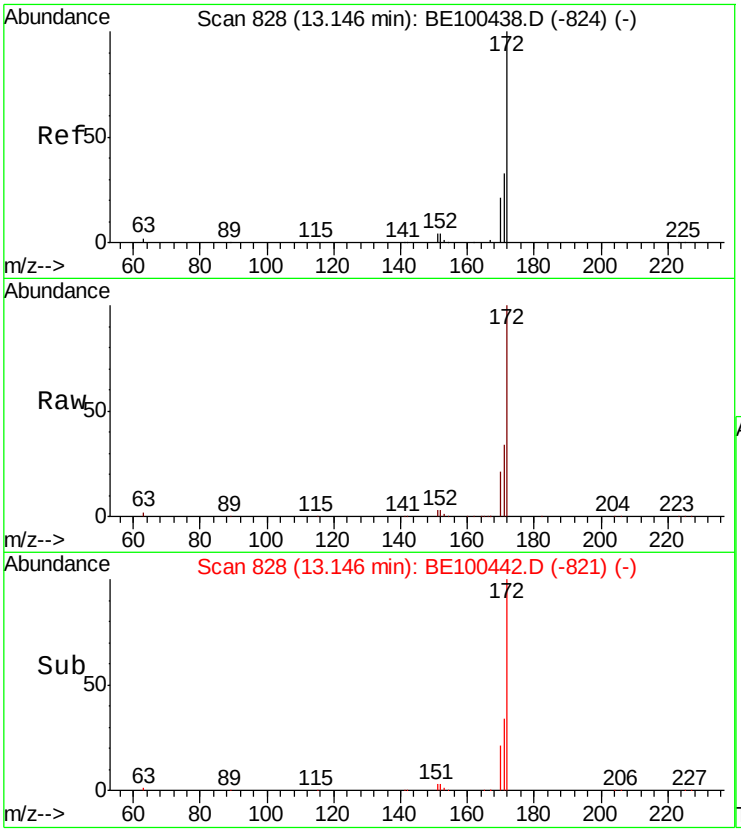


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.98 min

Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.4
141	35.1

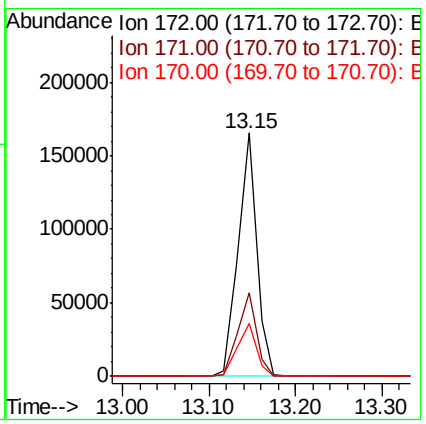


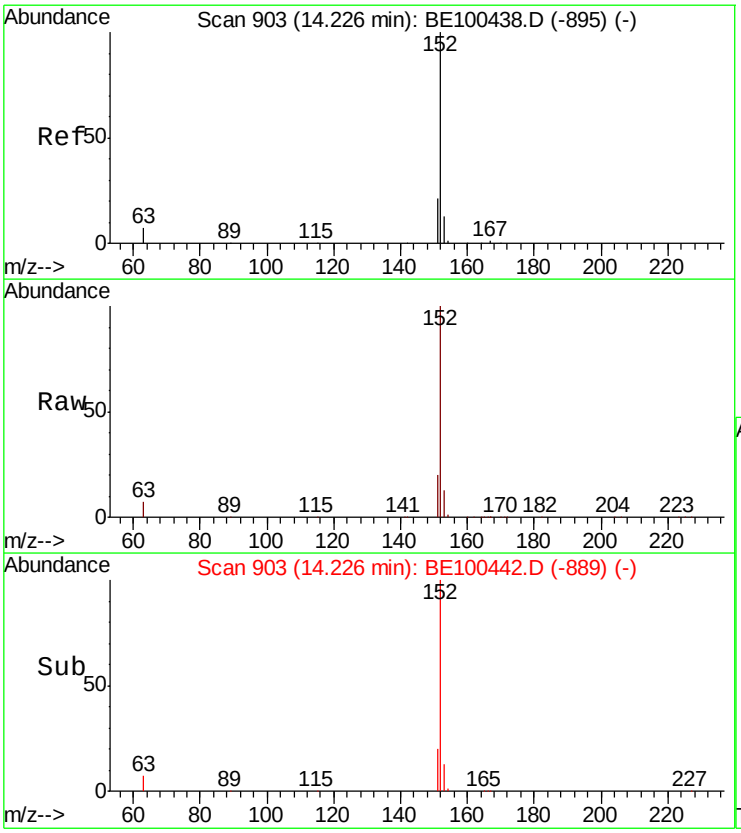
#15
2-Fluorobiphenyl
Concen: 4.529 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 245086

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.0	40.4
170	21.5	17.4	26.0

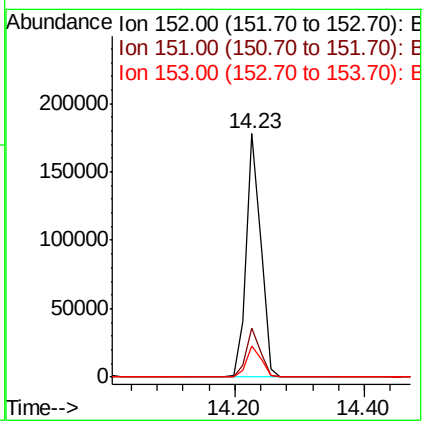


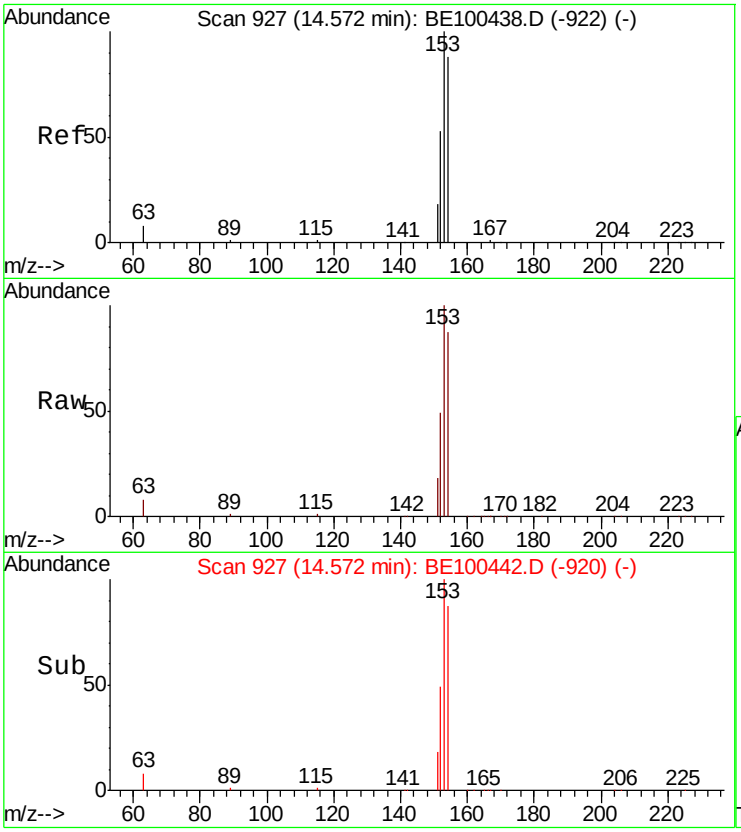


#16
Acenaphthylene
Concen: 5.452 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:152 Resp: 275902

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.4	15.6



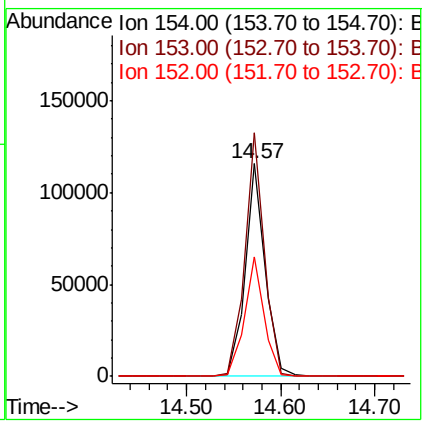


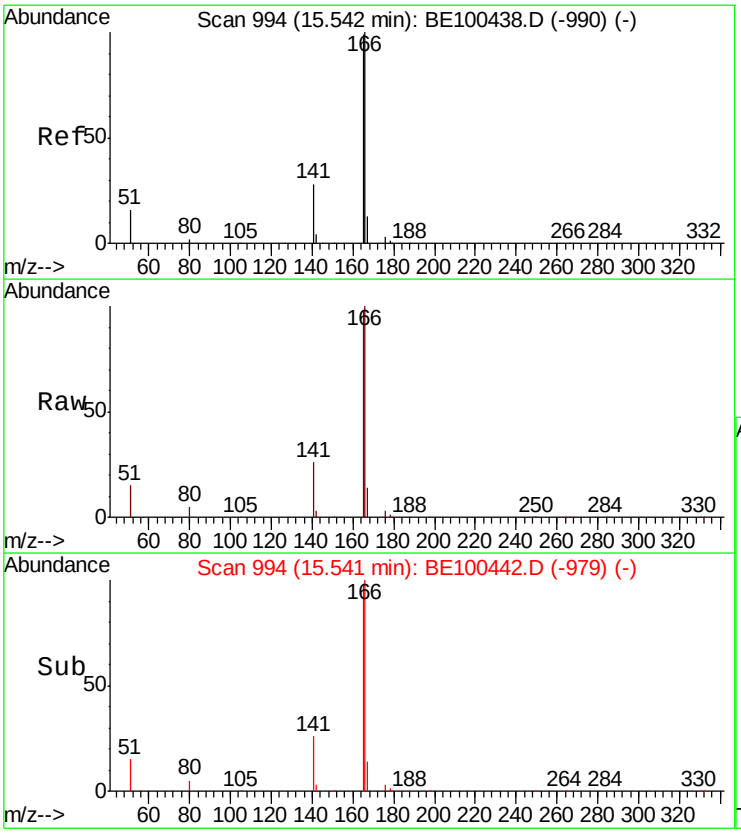
#17
Acenaphthene
Concen: 4.944 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 170553

Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.0	136.4
152	55.4	49.4	74.2

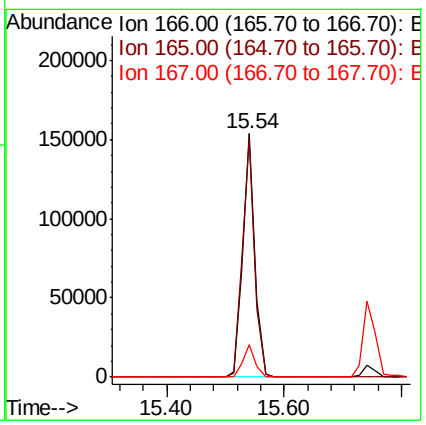


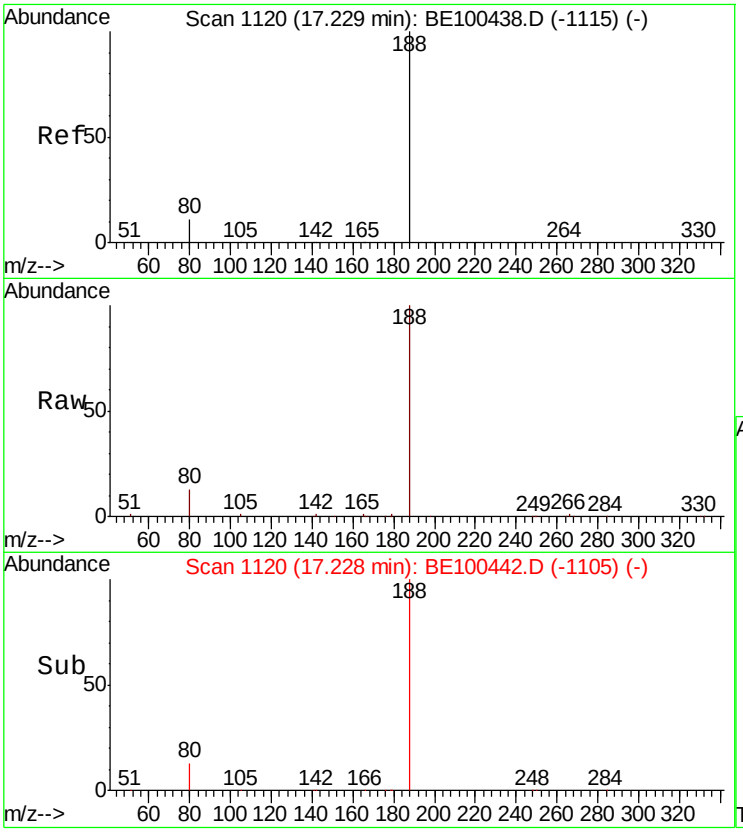


#18
Fluorene
Concen: 4.969 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:166 Resp: 219974

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.6	119.4
167	13.4	10.6	15.8



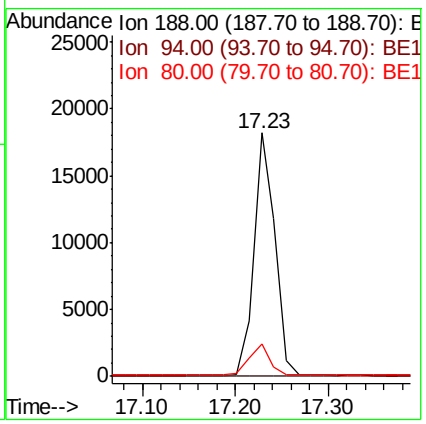


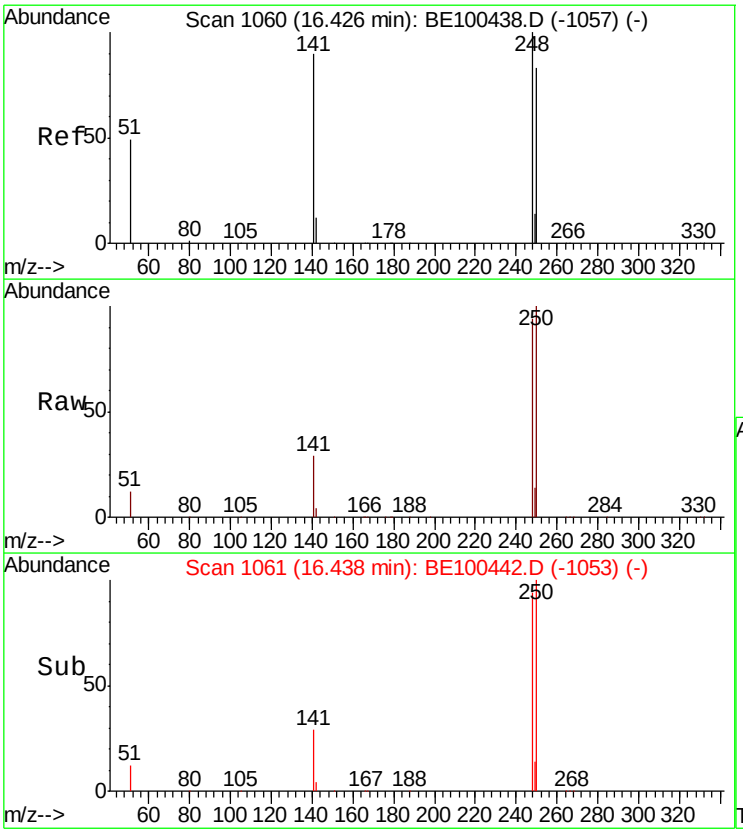
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 28521

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	9.2	13.8

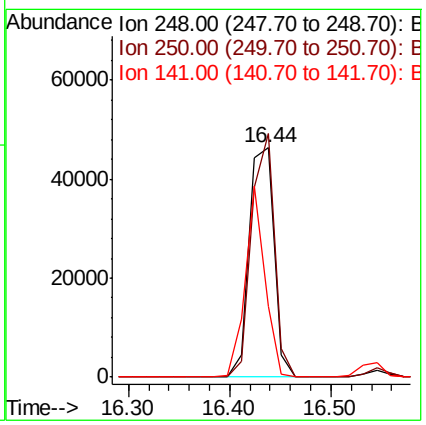


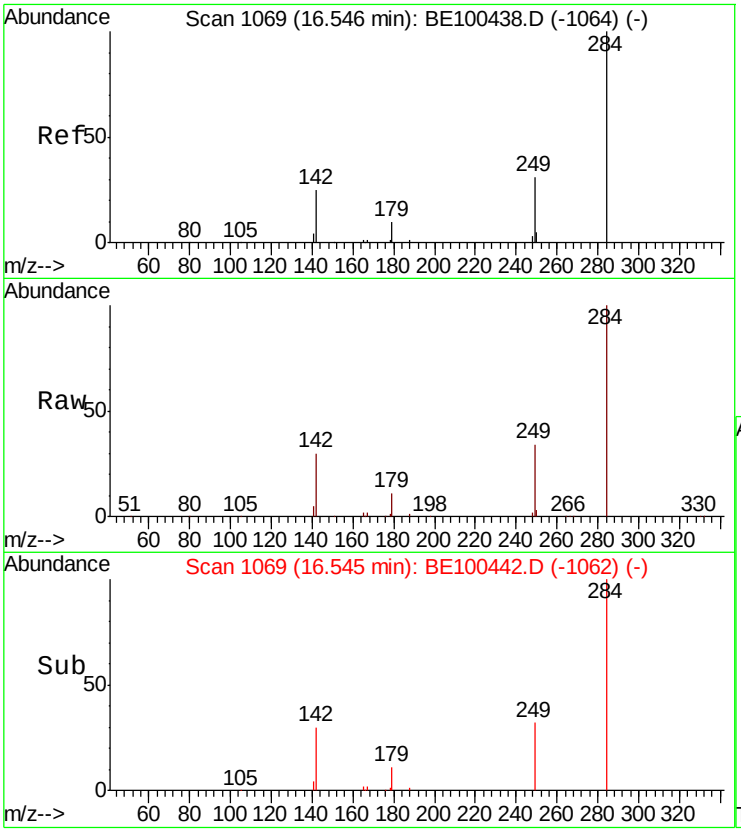


#20
4-Bromophenyl-phenylether
Concen: 5.496 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:248 Resp: 80180

Ion	Ratio	Lower	Upper
248	100		
250	106.1	67.1	100.7#
141	30.9	72.2	108.2#



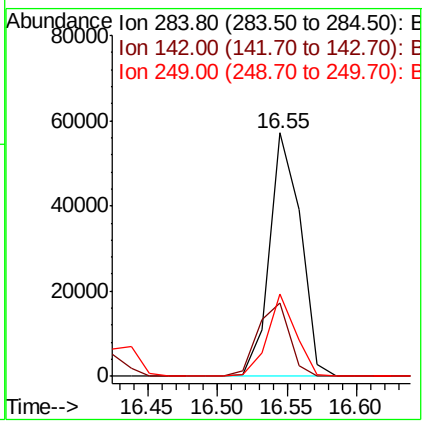


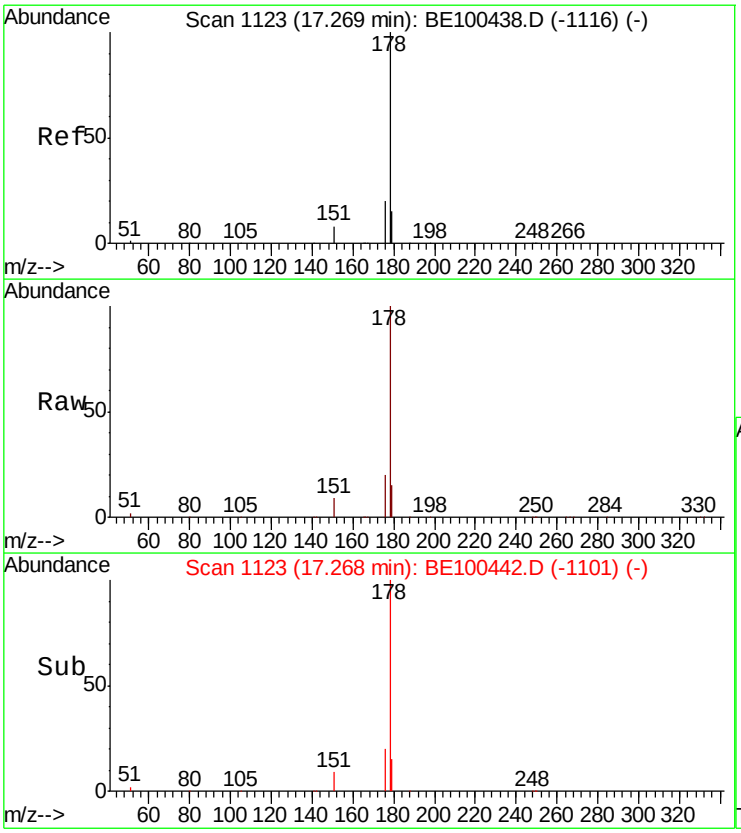
#21
Hexachlorobenzene
Concen: 5.301 ng
RT: 16.55 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 88560

Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.6	38.4
249	30.5	25.1	37.7

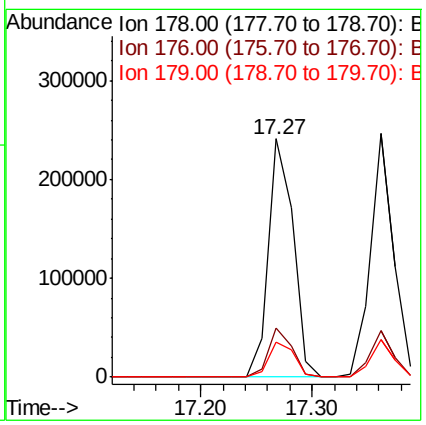


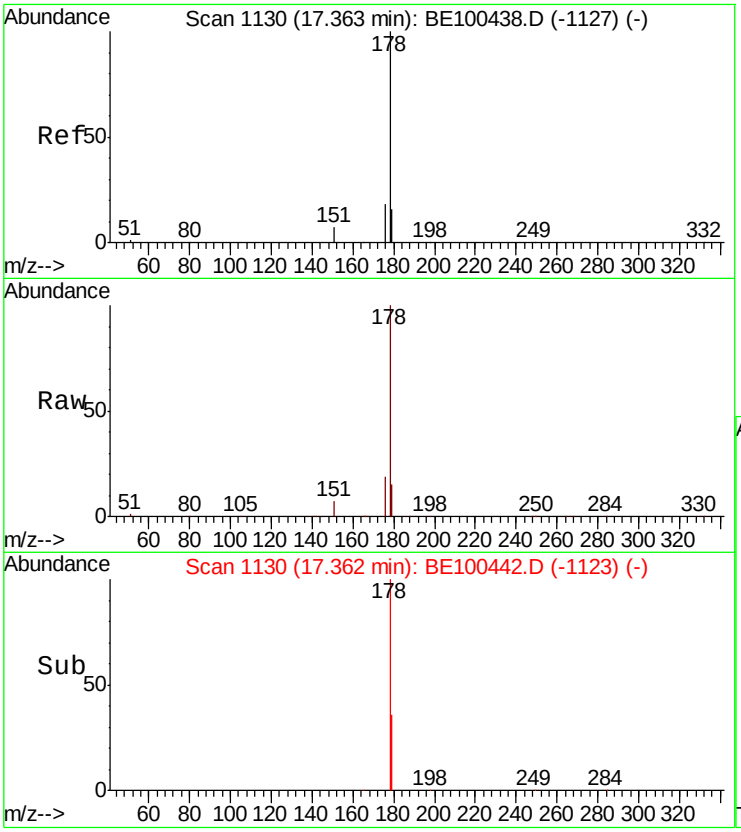


#23
Phenanthrene
Concen: 5.092 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:178 Resp: 377279

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.2	12.4	18.6



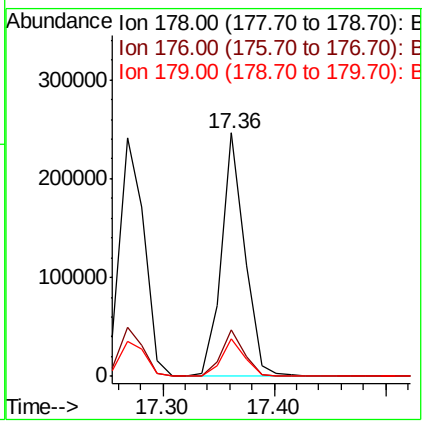


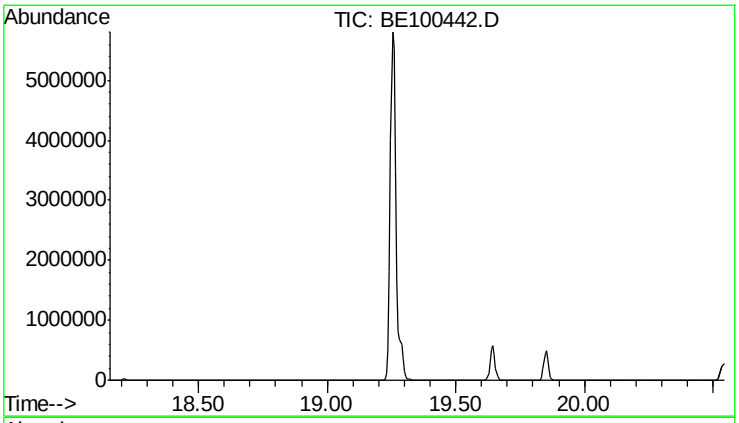
#24
Anthracene
Concen: 5.707 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 358455

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.3	12.3	18.5



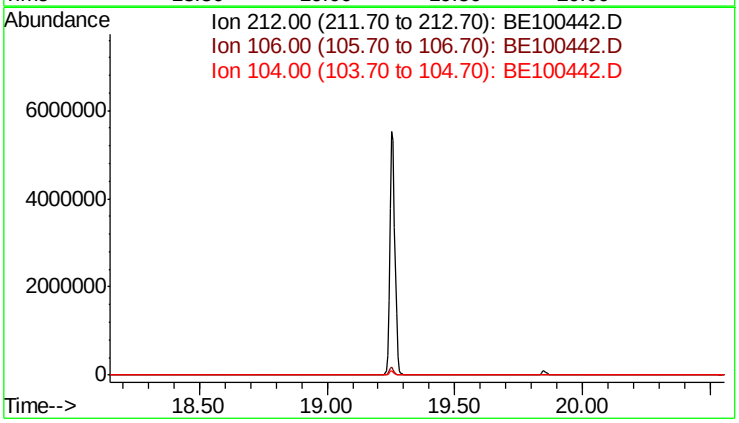


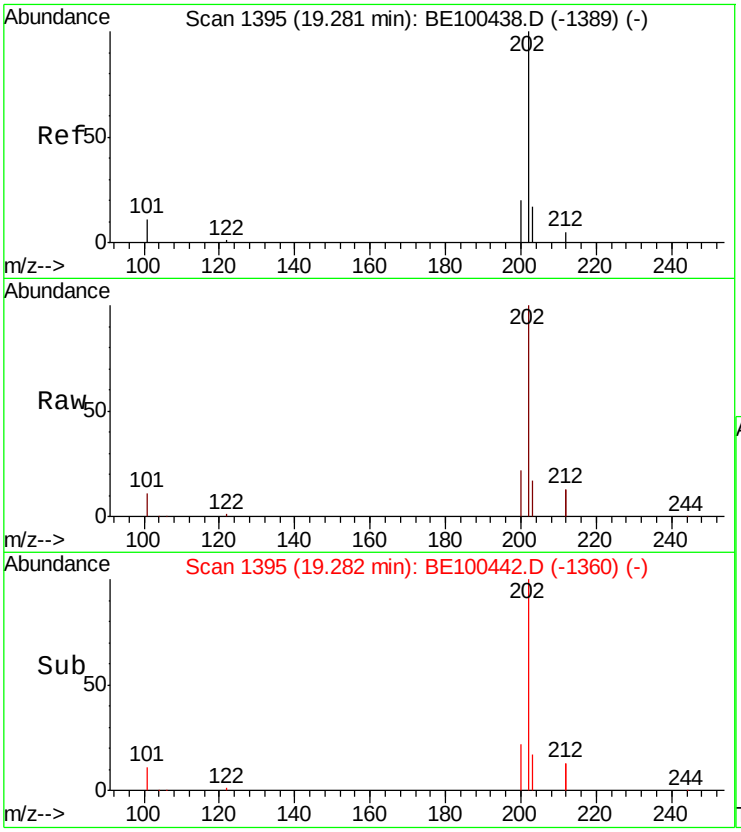
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.25 min

Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	3.2
104	1.8



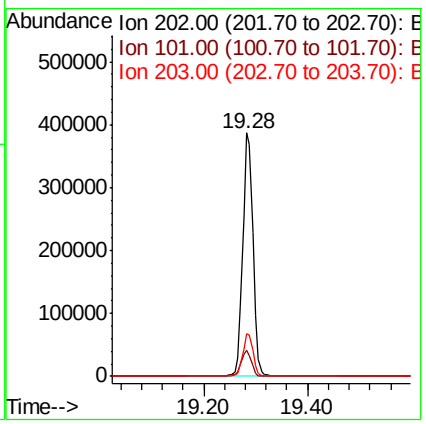


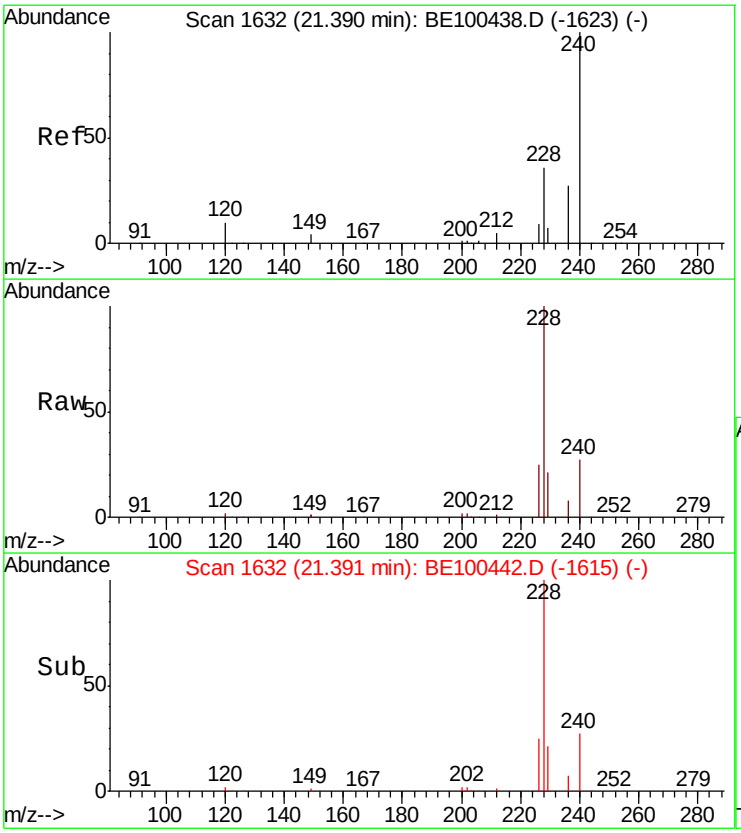
#26
Fluoranthene
Concen: 5.521 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 529515

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
203	17.8	13.8	20.6

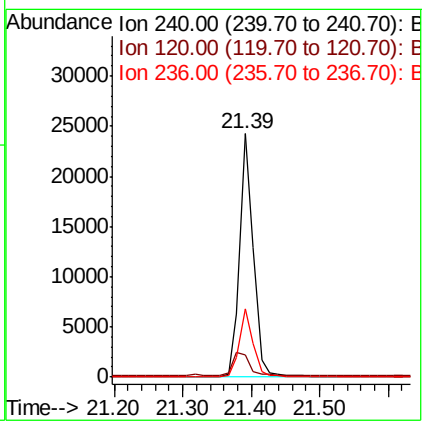


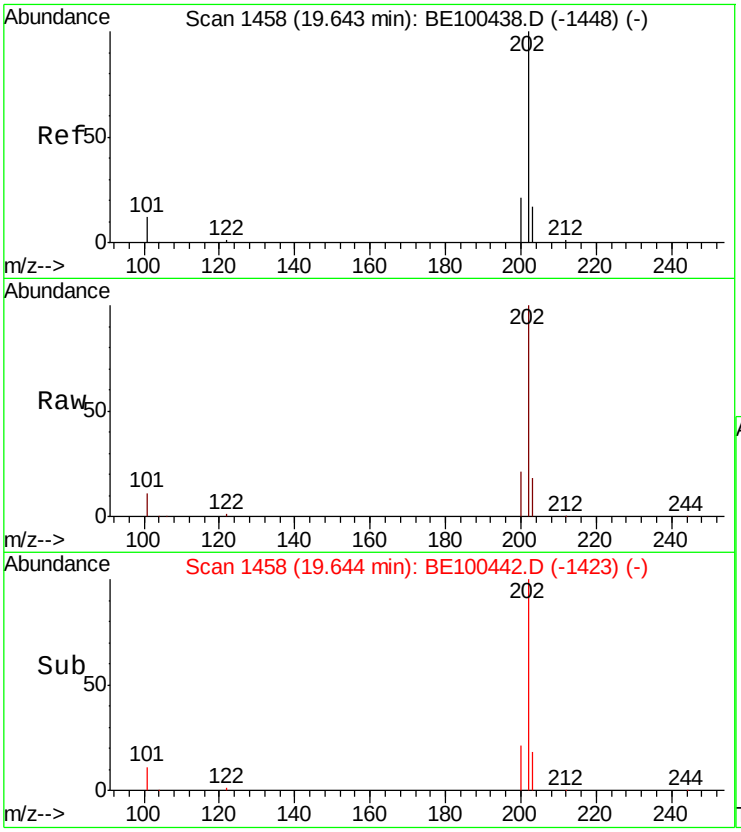


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:240 Resp: 33589

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.8	13.2
236	28.0	22.0	33.0



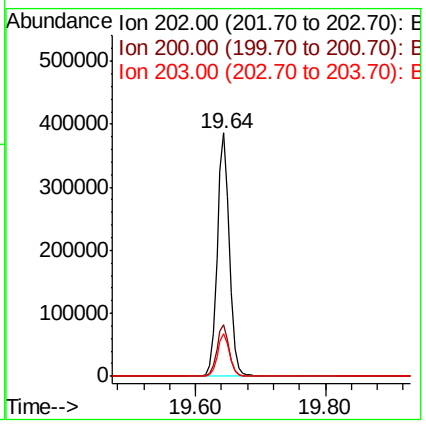


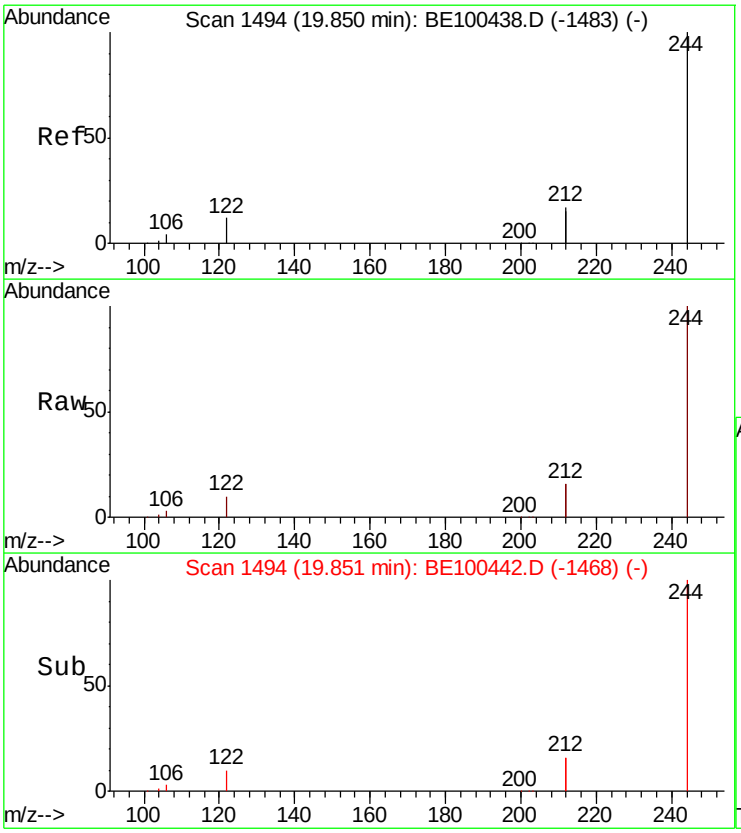
#28
Pyrene
Concen: 5.184 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 509225

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.6	13.8	20.8

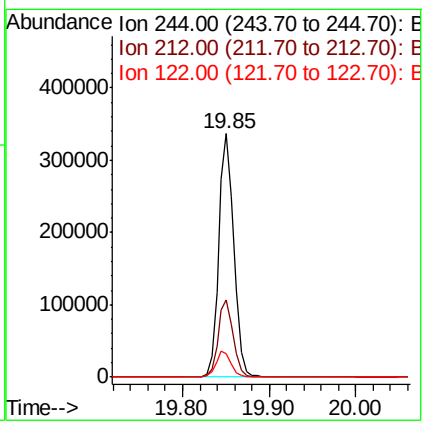


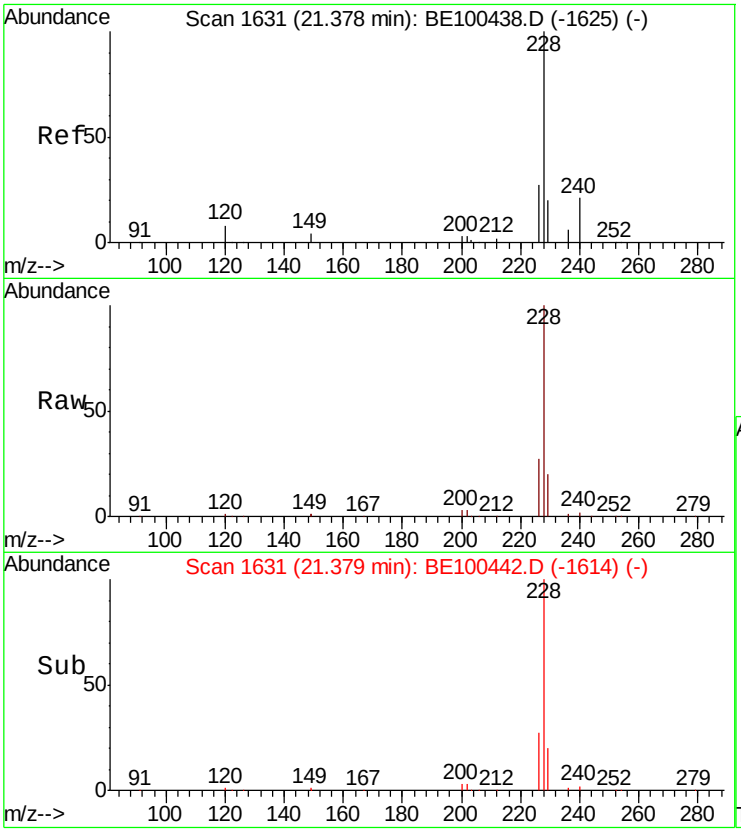


#29
Terphenyl-d14
Concen: 4.991 ng
RT: 19.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:244 Resp: 407276

Ion	Ratio	Lower	Upper
244	100		
212	31.5	26.3	39.5
122	9.9	9.4	14.2



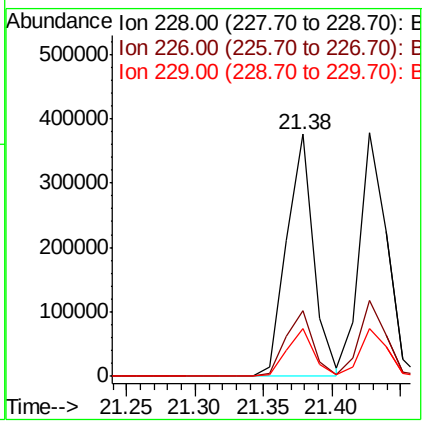


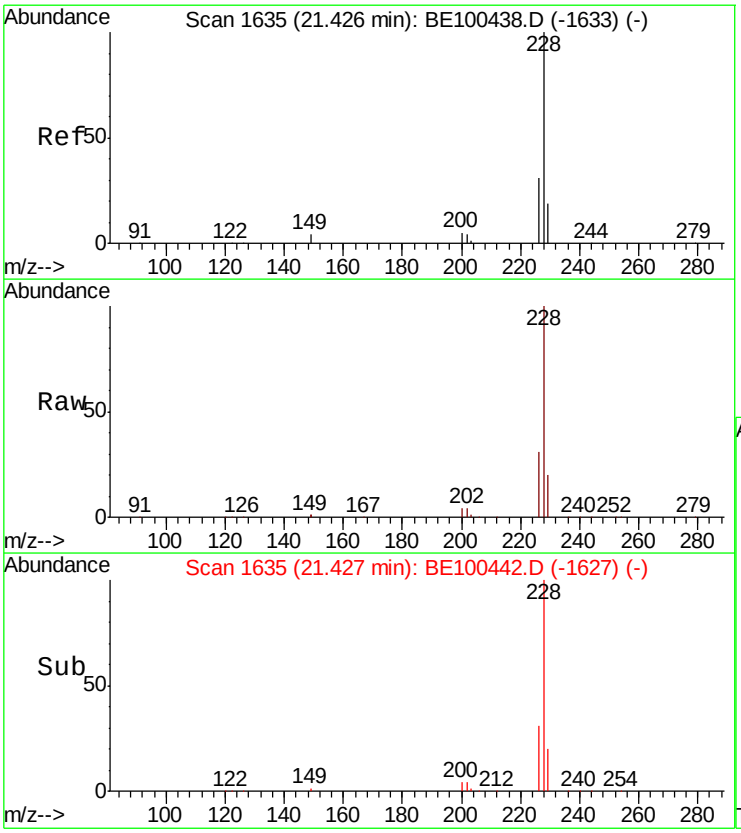
#30
Benzo(a)anthracene
Concen: 5.551 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 511335

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.6	32.4
229	19.9	15.8	23.8

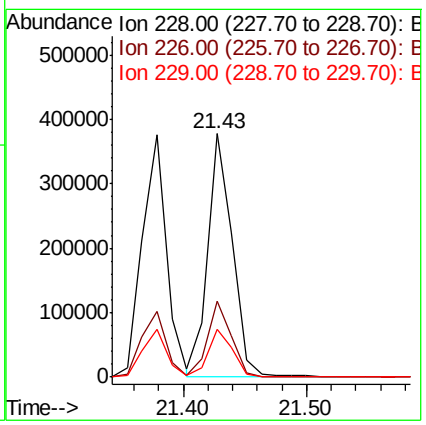


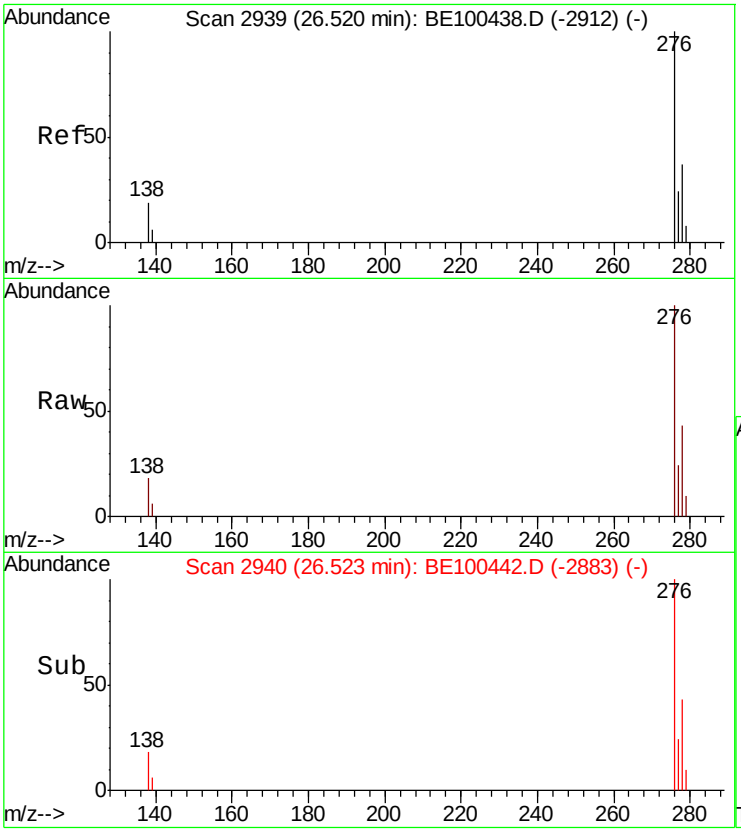


#31
Chrysene
Concen: 4.803 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:228 Resp: 519712

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	19.6	15.8	23.6



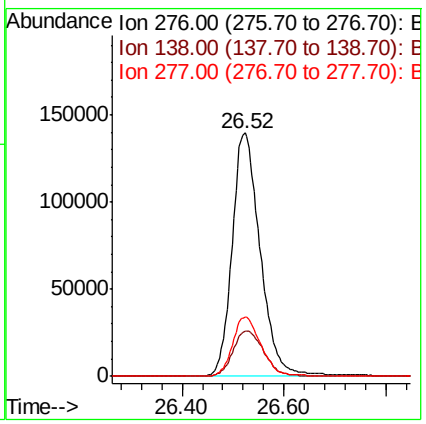


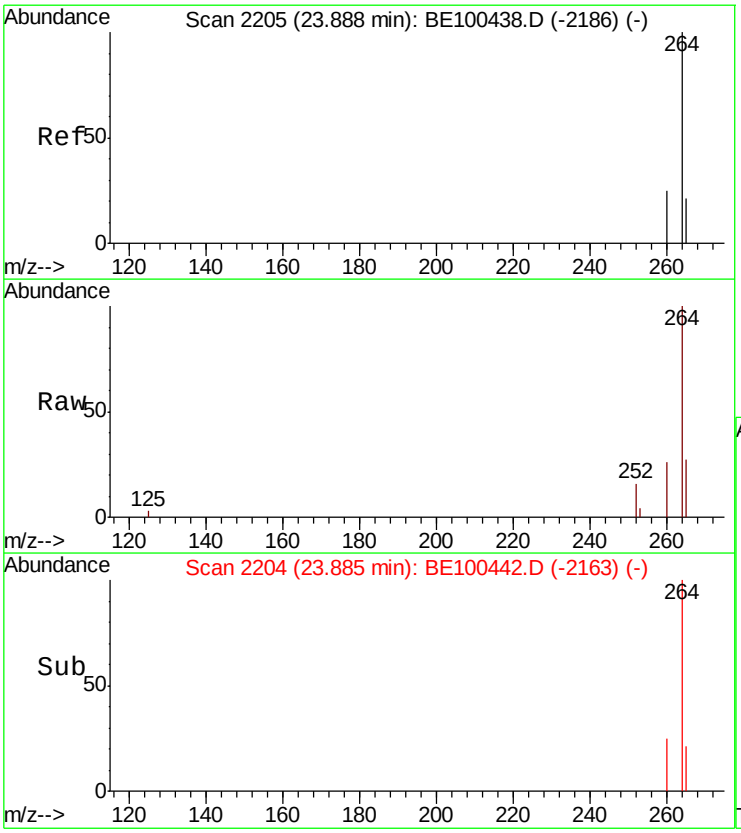
#33
Indeno(1,2,3-cd)pyrene
Concen: 5.427 ng
RT: 26.52 min Scan# 2940
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 531619

Ion	Ratio	Lower	Upper
276	100		
138	20.5	17.0	25.6
277	24.9	19.8	29.6

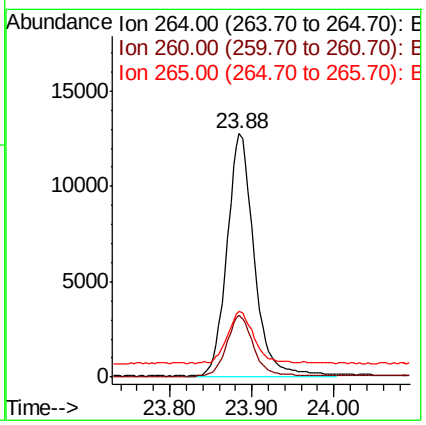


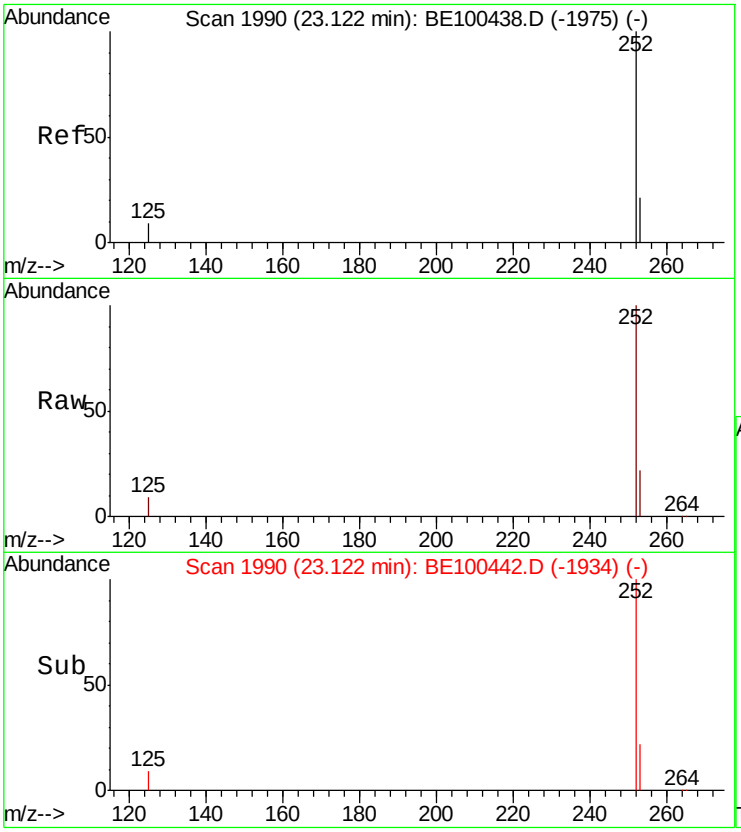


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:264 Resp: 29095

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.0	30.0
265	27.0	22.2	33.4



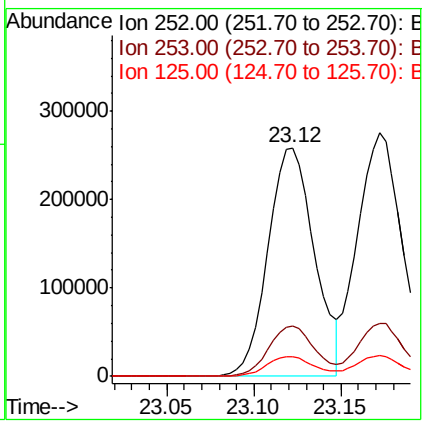


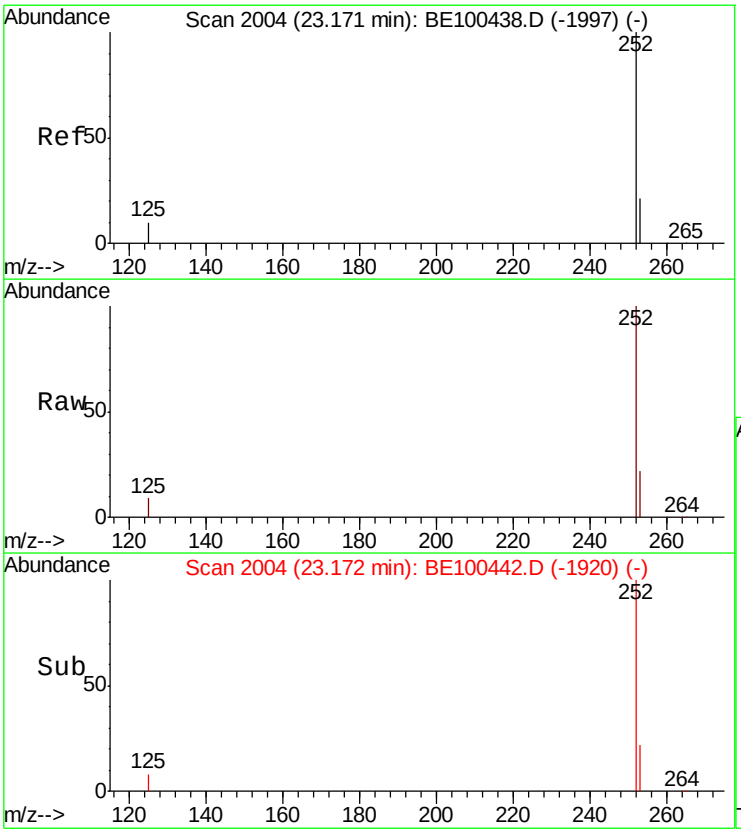
#35
Benzo(b)fluoranthene
Concen: 5.245 ng
RT: 23.12 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 479210

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	8.7	8.0	12.0

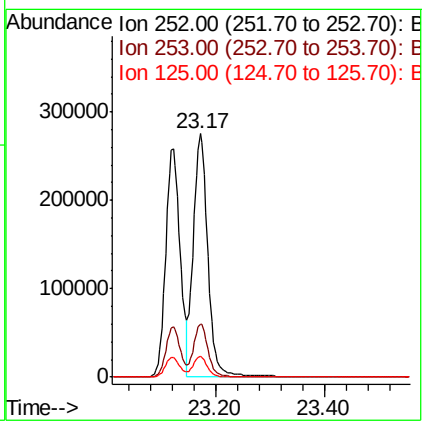


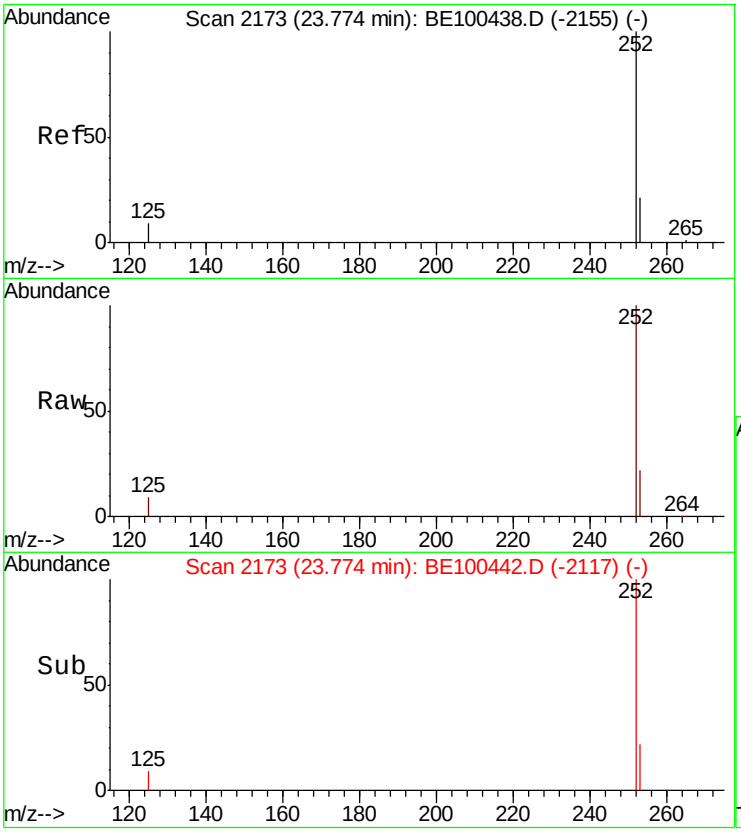


#36
Benzo(k)fluoranthene
Concen: 5.372 ng
RT: 23.17 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:252 Resp: 513599

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.5	8.3	12.5



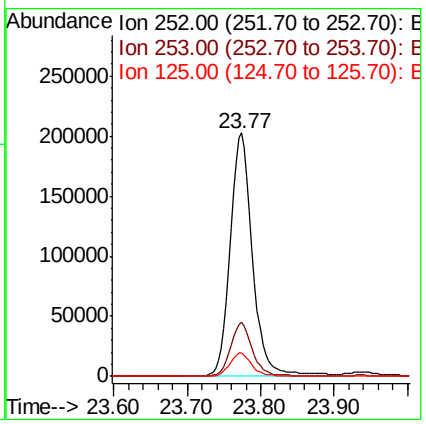


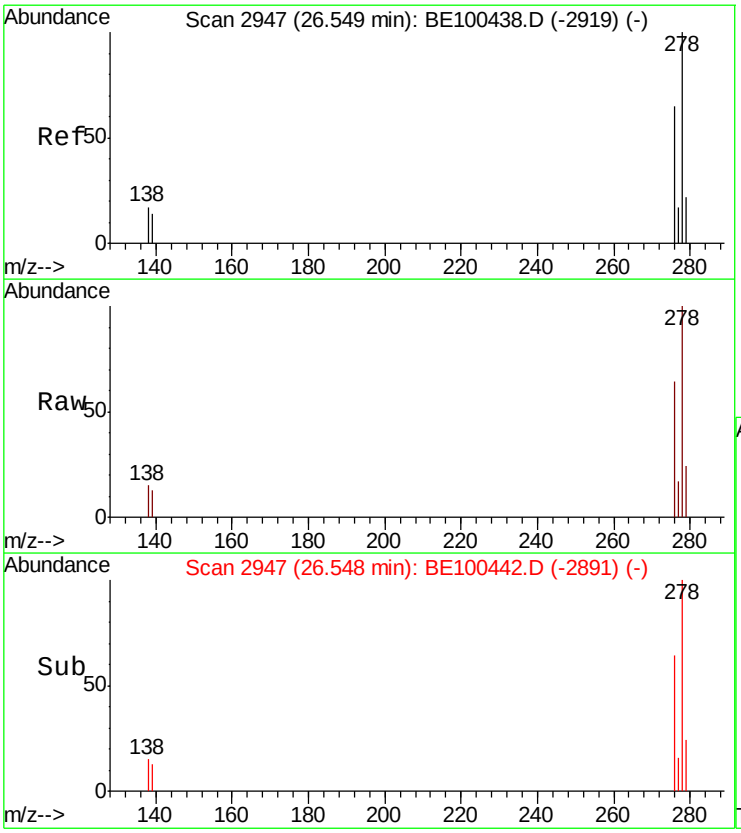
#37
Benzo(a)pyrene
Concen: 5.632 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 430700

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	9.5	9.0	13.6

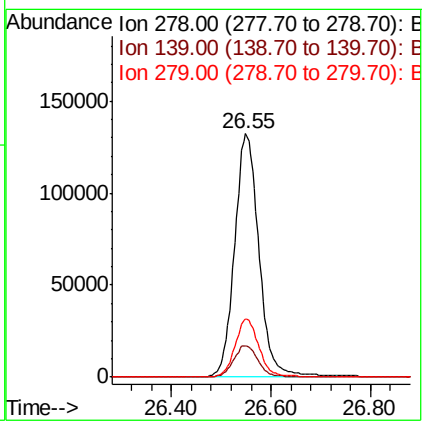


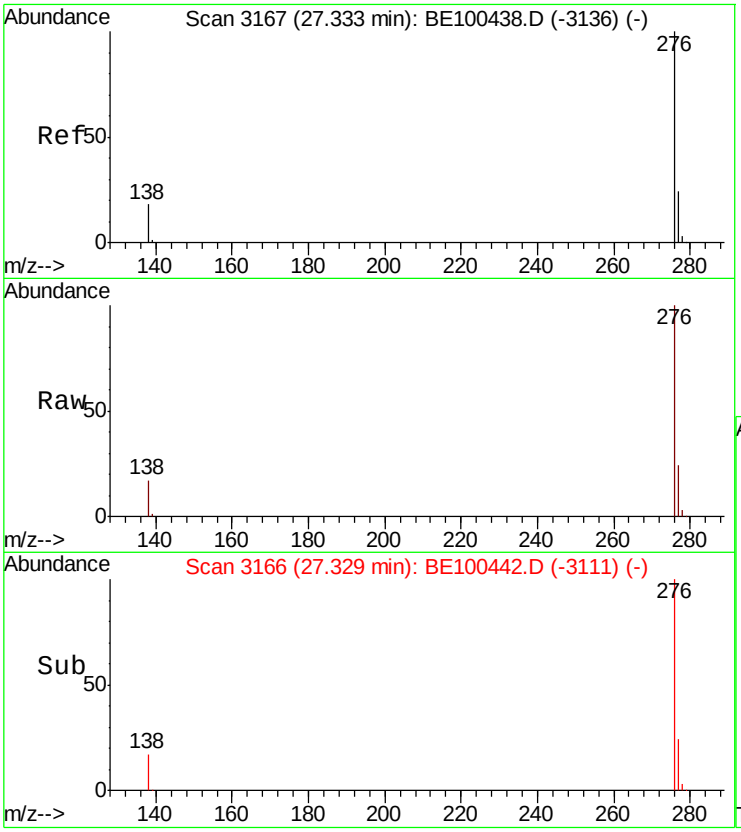


#38
Dibenzo(a,h)anthracene
Concen: 5.635 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Tgt Ion:278 Resp: 449975

Ion	Ratio	Lower	Upper
278	100		
139	13.0	12.2	18.2
279	23.7	18.6	27.8





#39
Benzo(g,h,i)perylene
Concen: 5.295 ng
RT: 27.33 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BE100442.D
Acq: 16 Jul 2019 12:10

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 438991

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	17.4	15.1	22.7