Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\
Data File : BE100464.D
Acq On : 19 Jul 2019 10:35
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Jul 19 13:33:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 13:27:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	2448	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	9953	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	5964	0.40	ng		0.00
19) Phenanthrene-d10	17.22	188	16822	0.40	ng		0.00
27) Chrysene-d12	21.38	240	23578	0.40	ng		0.00
34) Perylene-d12	23.86	264	26098	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	2471	0.53	ng		0.00
5) Phenol-d6	7.03	99	3387	0.49	ng		0.00
8) Nitrobenzene-d5	9.02	82	2963	0.54	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	6160	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	911	0.68	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	9699	0.36	ng		0.00
25) Fluoranthene-d10	19.24	212	90563	0.45	ng		0.00
29) Terphenyl-d14	19.84	244	19757	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	1688	0.466	ng		100
3) n-Nitrosodimethylamine	3.69	42	849	0.400	ng	#	100
6) bis(2-Chloroethyl)ether	7.30	93	2959	0.425	ng		100
9) Naphthalene	10.72	128	37423	0.386	ng		100
10) Hexachlorobutadiene	11.02	225	1823	0.388	ng		100
12) 2-Methylnaphthalene	12.32	142	6428	0.397	ng		100
16) Acenaphthylene	14.23	152	10601	0.439	ng		100
17) Acenaphthene	14.56	154	6542	0.395	ng		100
18) Fluorene	15.53	166	8640	0.404	ng		100
20) 4-Bromophenyl-phenylether	16.43	248	2970	0.338	ng		100
21) Hexachlorobenzene	16.55	284	3101	0.302	ng		100
22) Pentachlorophenol	16.88	266	1019	0.569	ng		100
23) Phenanthrene	17.26	178	15553	0.347	ng		100
24) Anthracene	17.35	178	14420	0.390	ng		100
26) Fluoranthene	19.27	202	23767	0.417	ng		100
28) Pyrene	19.63	202	25272	0.366	ng		100
30) Benzo(a)anthracene	21.37	228	27645	0.432	ng		100
31) Chrysene	21.41	228	28361	0.373	ng		100
32) Bis(2-ethylhexyl)phthalate	21.31	149	62571	1.363	ng		100
33) Indeno(1,2,3-cd)pyrene	26.48	276	31492	0.466	ng		100
35) Benzo(b)fluoranthene	23.10	252	27708	0.347	ng		100
36) Benzo(k)fluoranthene	23.15	252	30038	0.356	ng		100
37) Benzo(a)pyrene	23.75	252	26930	0.411	ng		100
38) Dibenzo(a,h)anthracene	26.51	278	25504	0.365	ng		100
39) Benzo(g,h,i)perylene	27.29	276	26376	0.361	ng		100

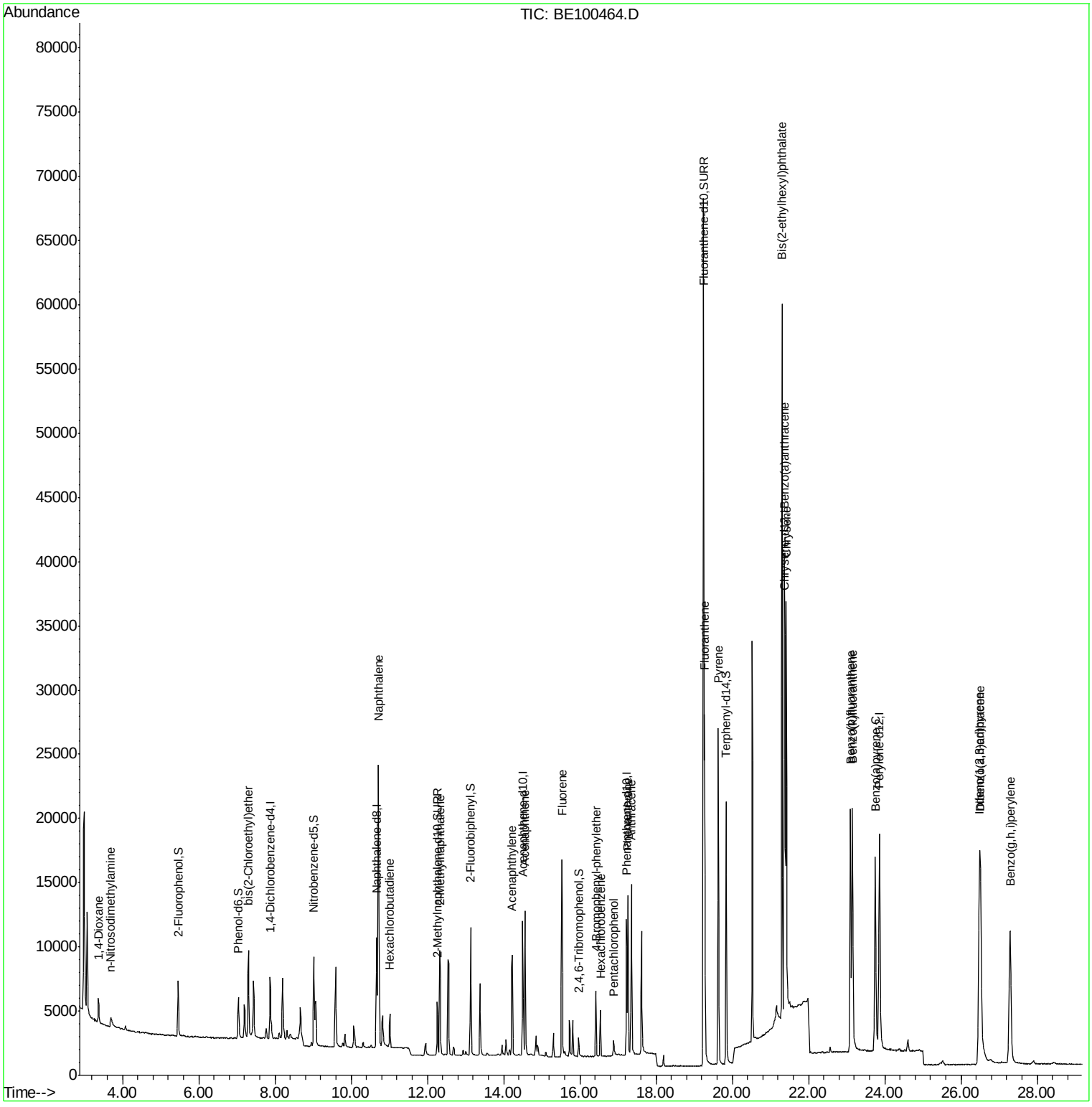
(#) = qualifier out of range (m) = manual integration (+) = signals summed

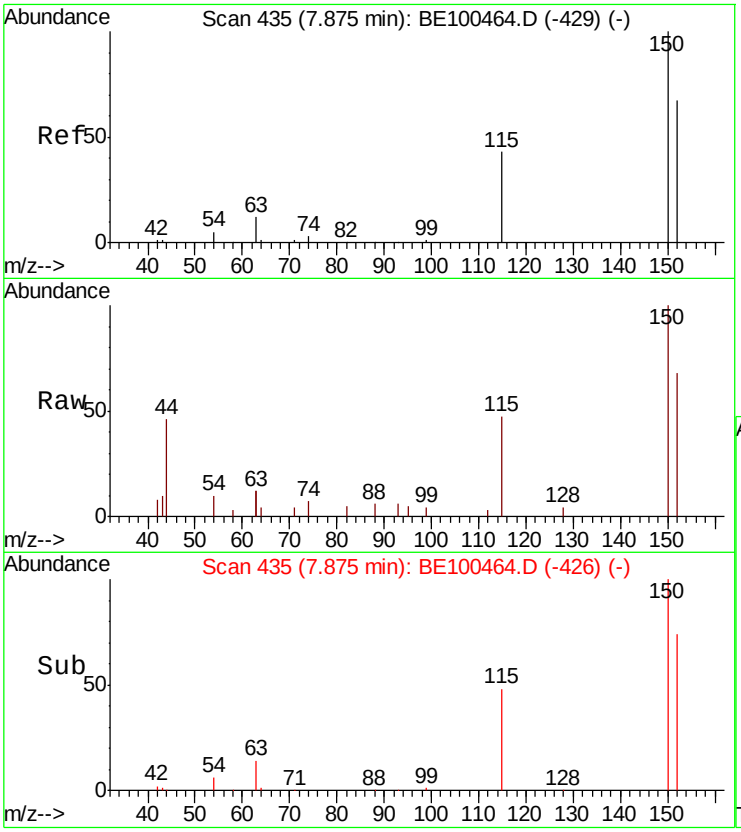
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\
Data File : BE100464.D
Acq On : 19 Jul 2019 10:35
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Jul 19 13:33:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 13:27:51 2019
Response via : Initial Calibration



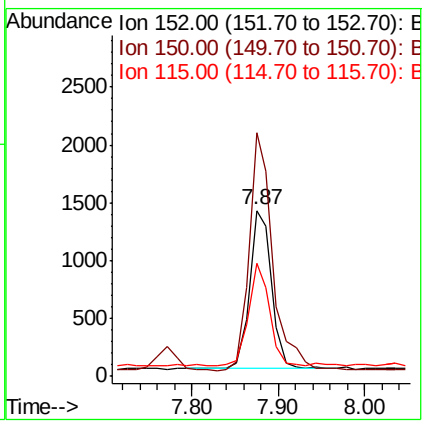


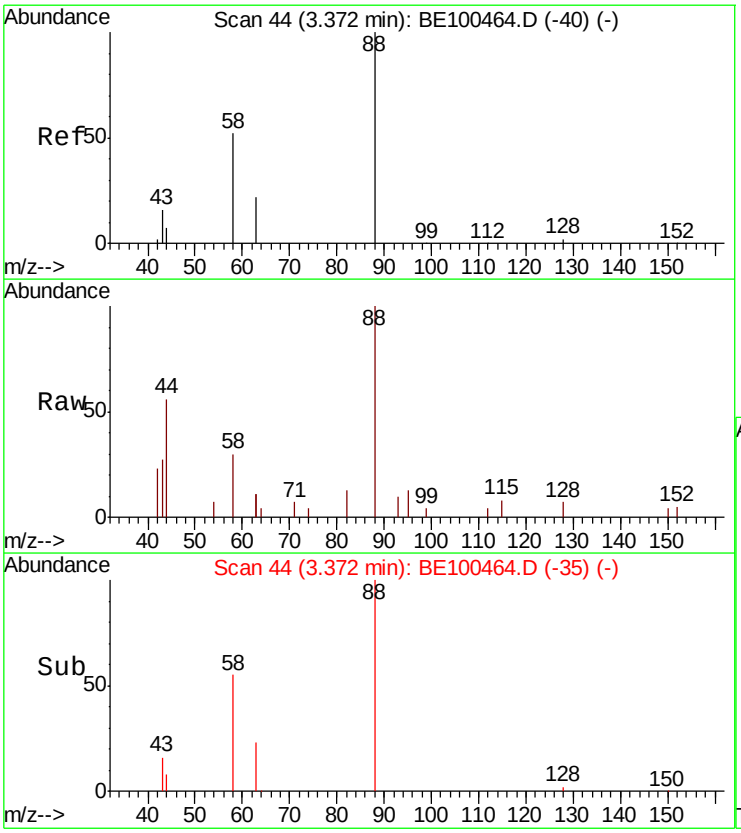
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2448

Ion	Ratio	Lower	Upper
152	100		
150	147.0	117.6	176.4
115	68.6	54.9	82.3

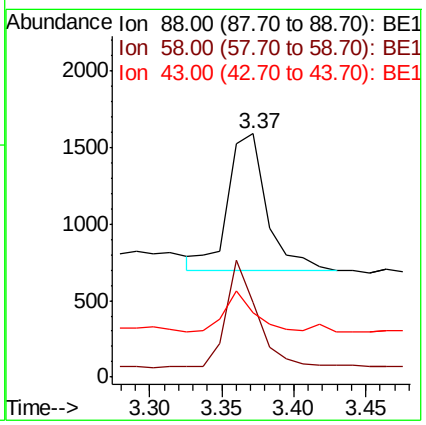


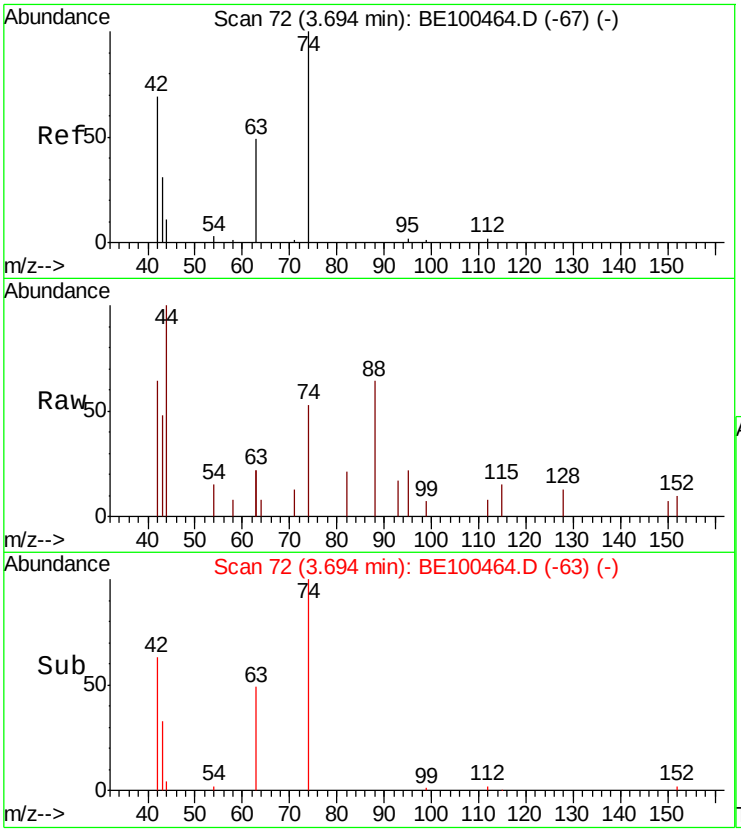


#2
1,4-Dioxane
Concen: 0.466 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion: 88 Resp: 1688

Ion	Ratio	Lower	Upper
88	100		
58	62.8	50.2	75.4
43	23.9	19.1	28.7



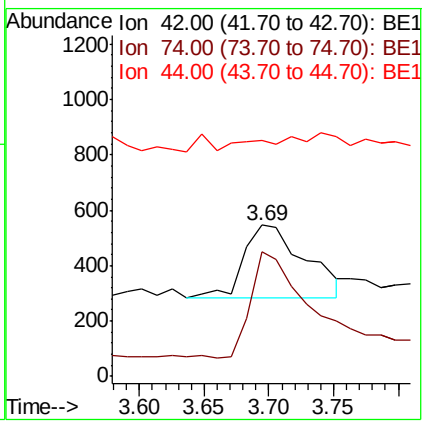


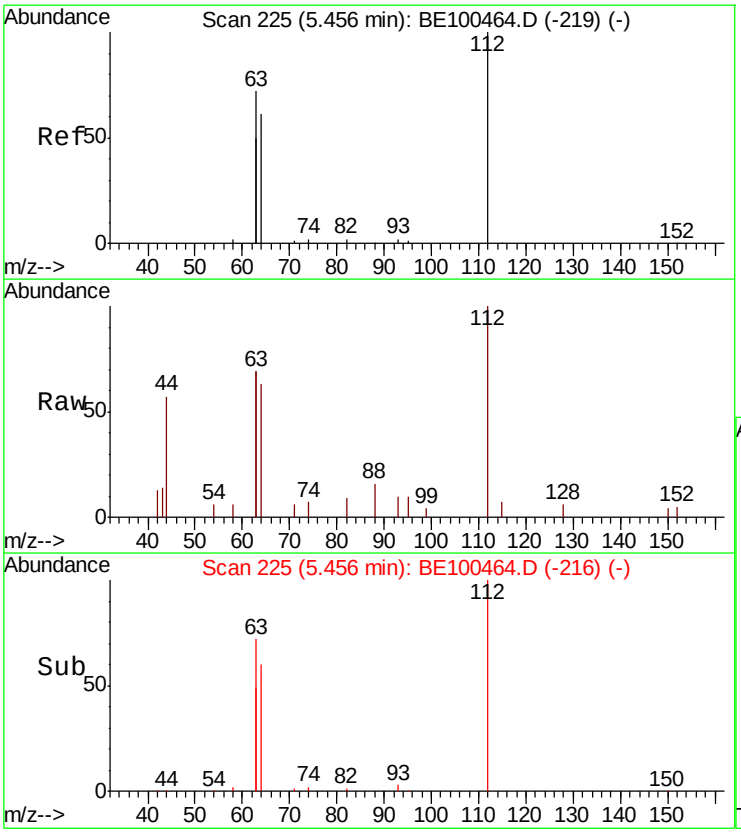
#3
n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 849

Ion	Ratio	Lower	Upper
42	100		
74	132.3	105.8	158.8
44	0.0	0.0	0.0

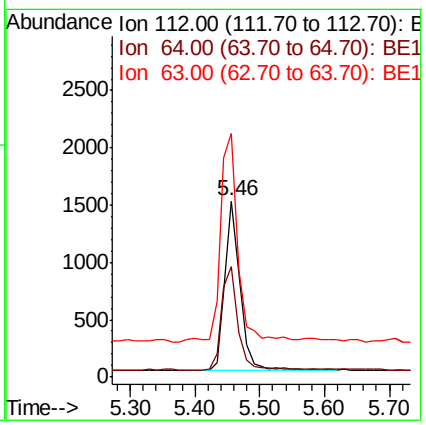


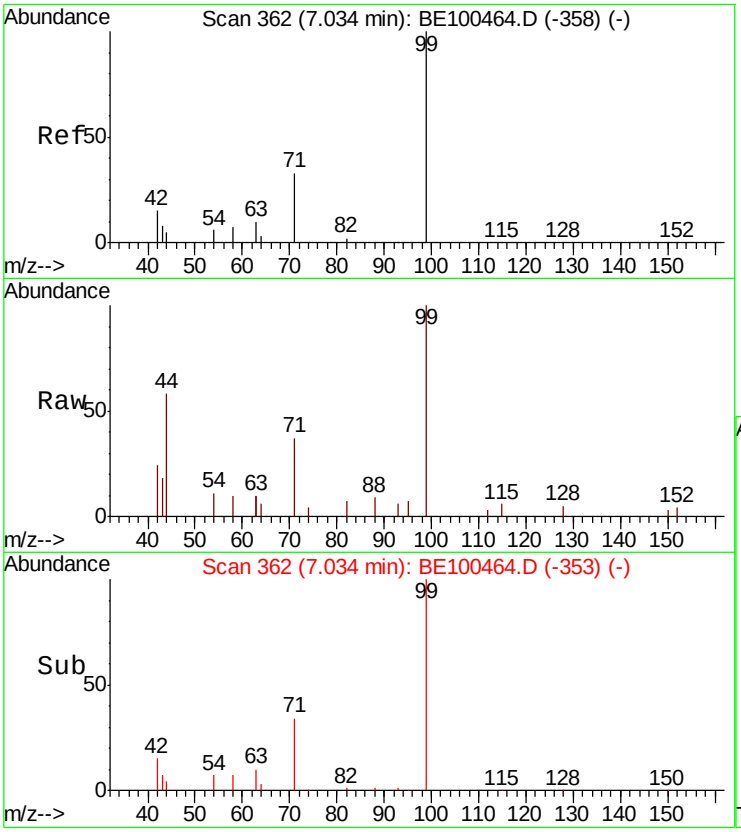


#4
2-Fluorophenol
Concen: 0.531 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:112 Resp: 2471

Ion	Ratio	Lower	Upper
112	100		
64	64.9	51.9	77.9
63	136.3	103.9	155.9



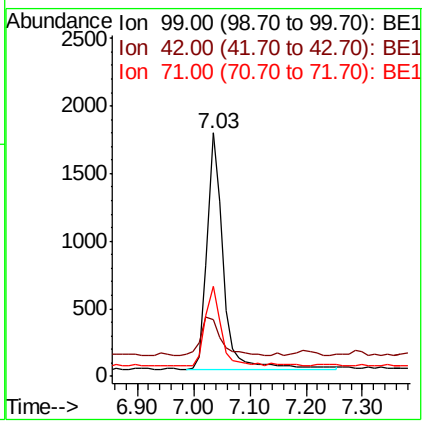


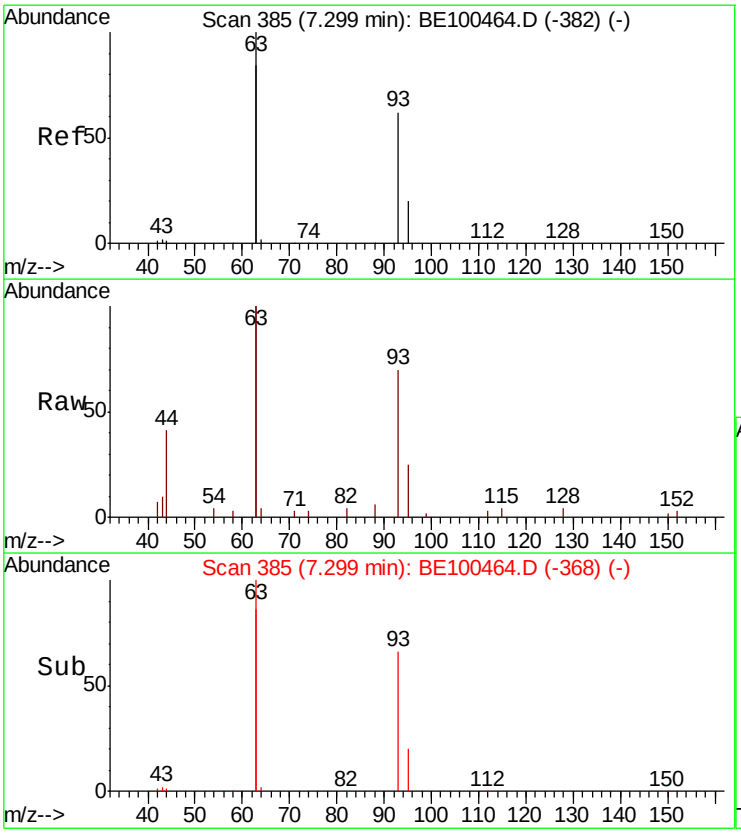
#5
Phenol-d6
Concen: 0.492 ng
RT: 7.03 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 3387

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.2	24.4
71	32.5	26.0	39.0

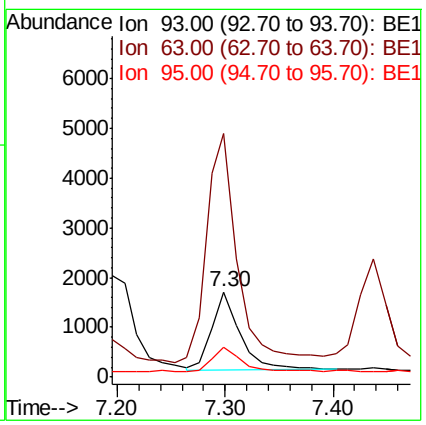


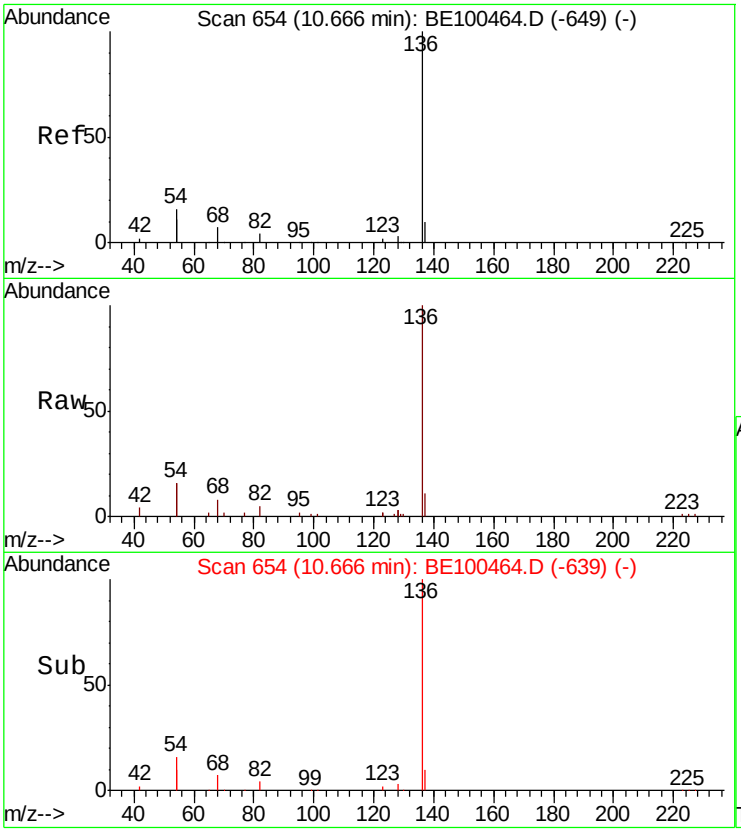


#6
bis(2-Chloroethyl)ether
Concen: 0.425 ng
RT: 7.30 min Scan# 385
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion: 93 Resp: 2959

Ion	Ratio	Lower	Upper
93	100		
63	310.5	248.4	372.6
95	30.9	24.7	37.1



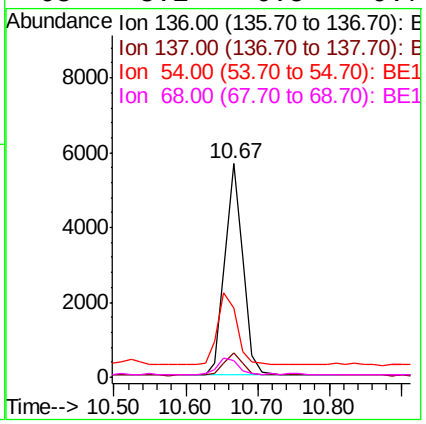


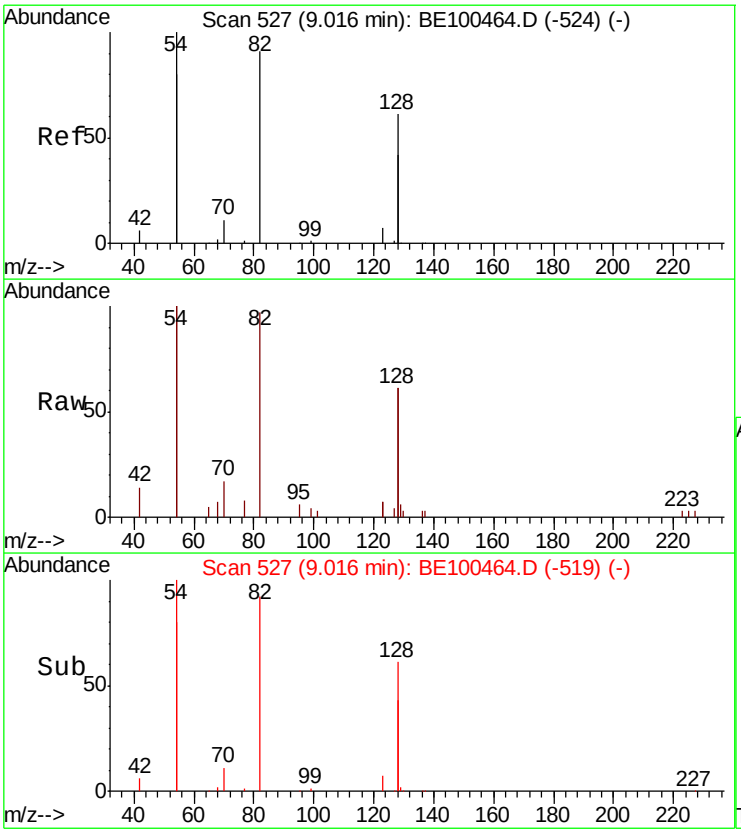
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 9953

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	32.7	26.2	39.2
68	8.1	6.5	9.7

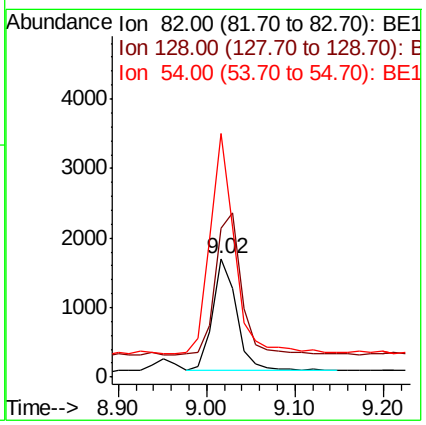


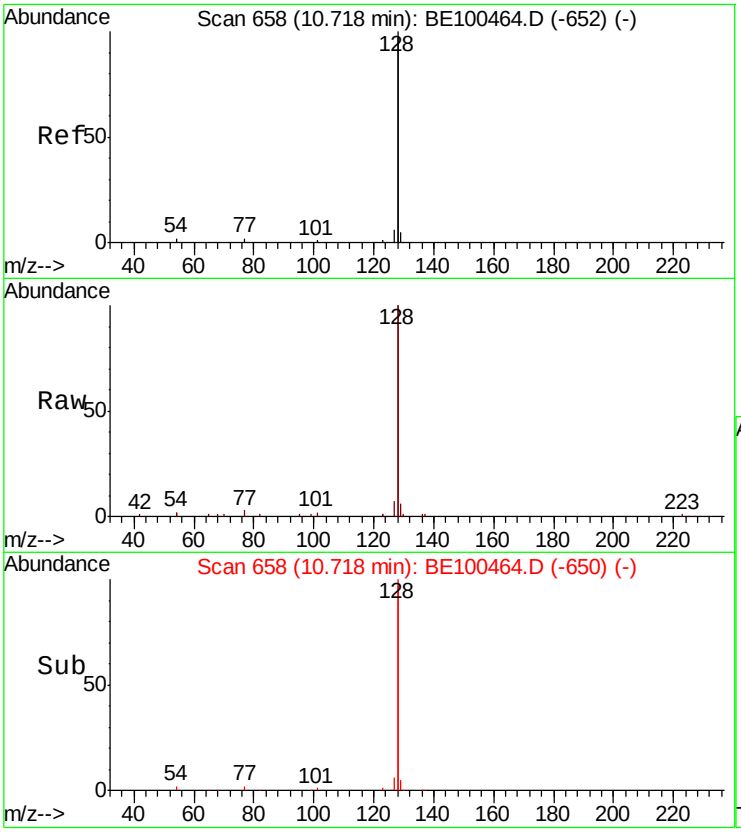


#8
Nitrobenzene-d5
Concen: 0.539 ng
RT: 9.02 min Scan# 527
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion: 82 Resp: 2963

Ion	Ratio	Lower	Upper
82	100		
128	125.9	100.7	151.1
54	205.5	164.4	246.6



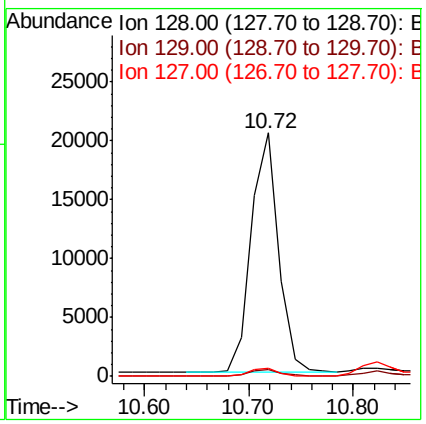


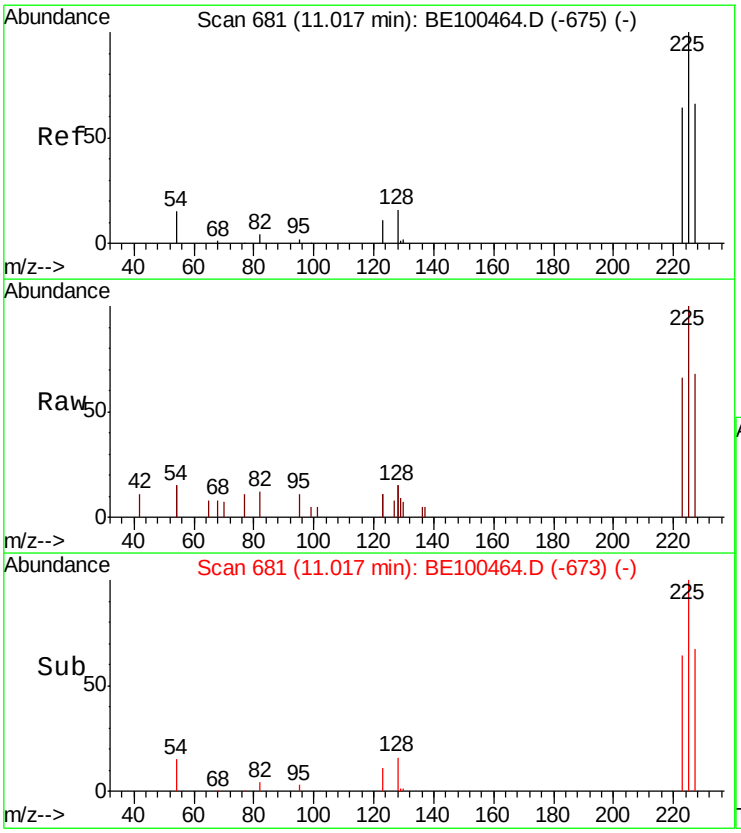
#9
Naphthalene
Concen: 0.386 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 37423

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.3	2.6	4.0

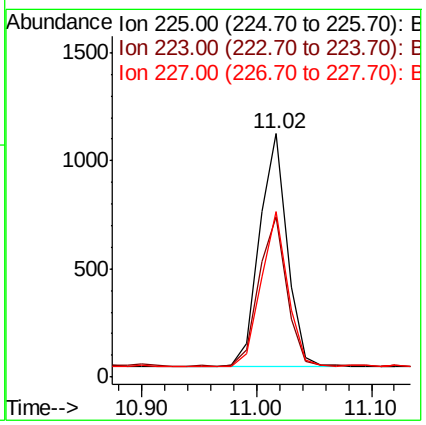


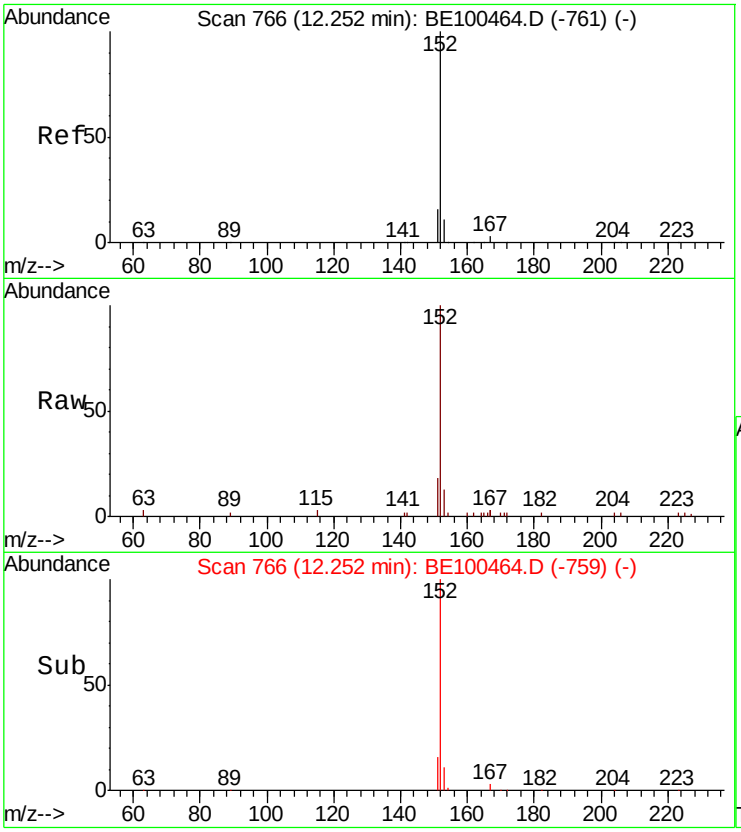


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 11.02 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:225 Resp: 1823

Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.7	77.5
227	63.6	50.9	76.3



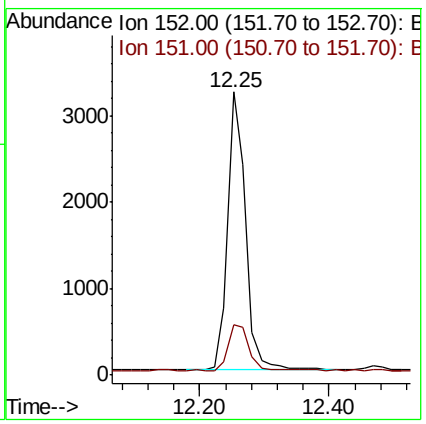


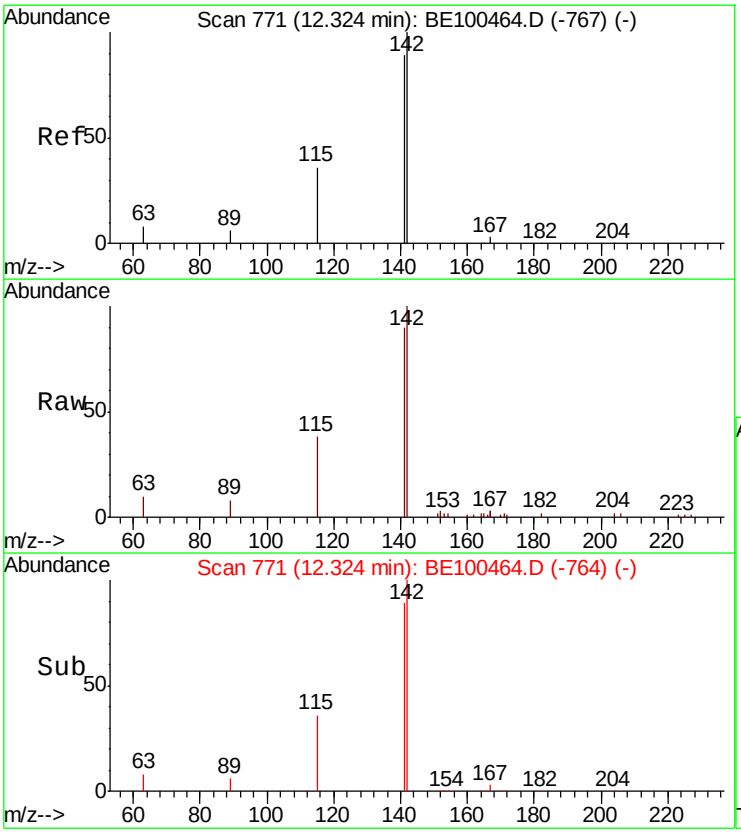
#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 12.25 min Scan# 766
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6160

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6

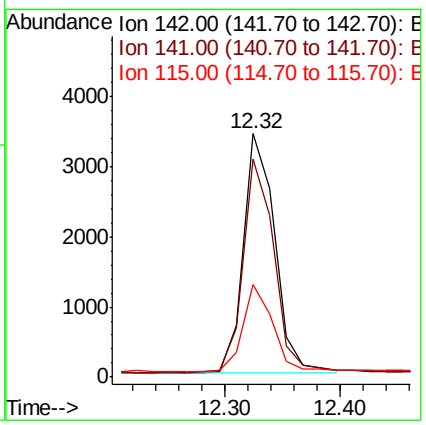


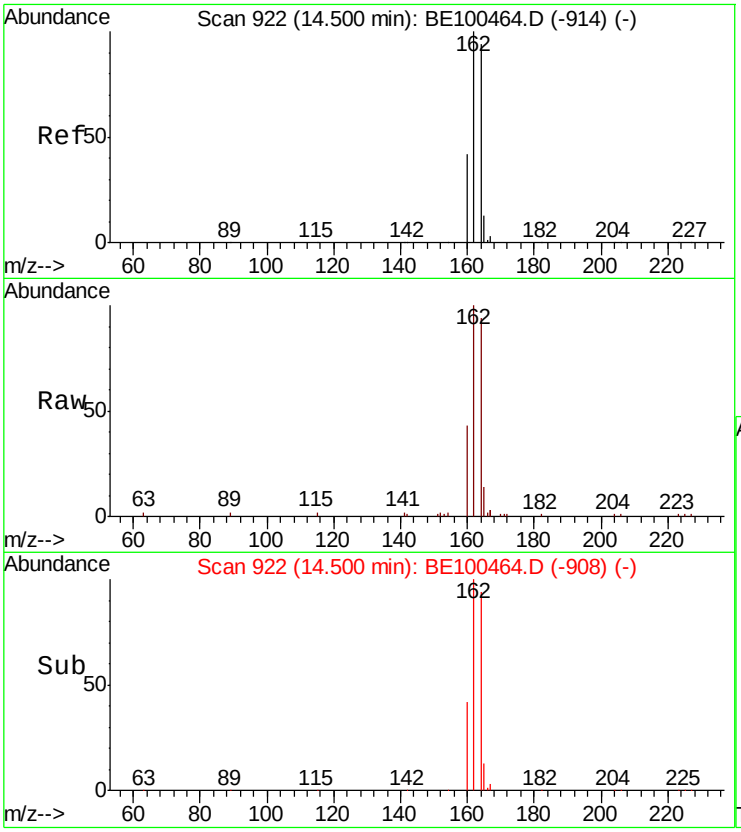


#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 12.32 min Scan# 771
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:142 Resp: 6428

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	38.0	30.4	45.6



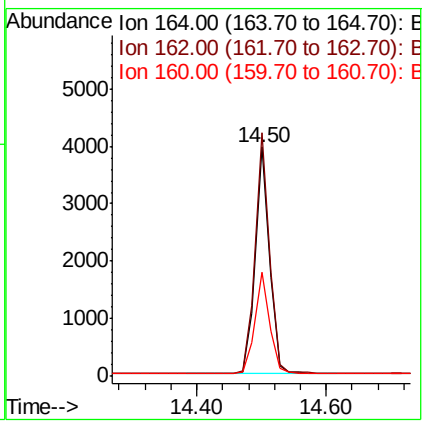


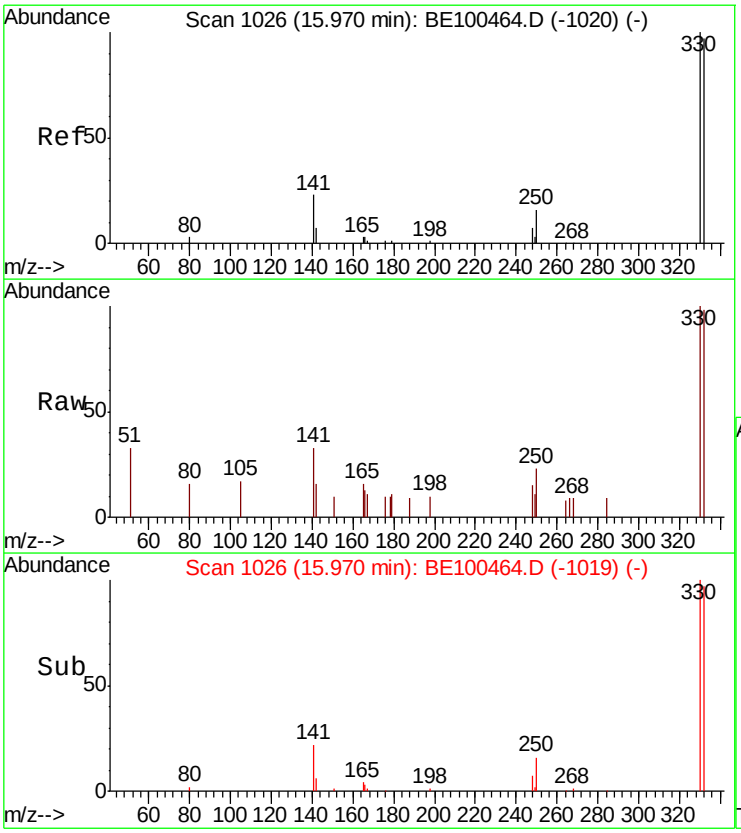
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 5964

Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.0	127.6
160	45.2	36.2	54.2

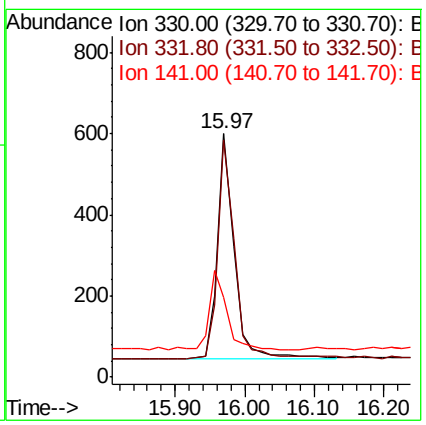


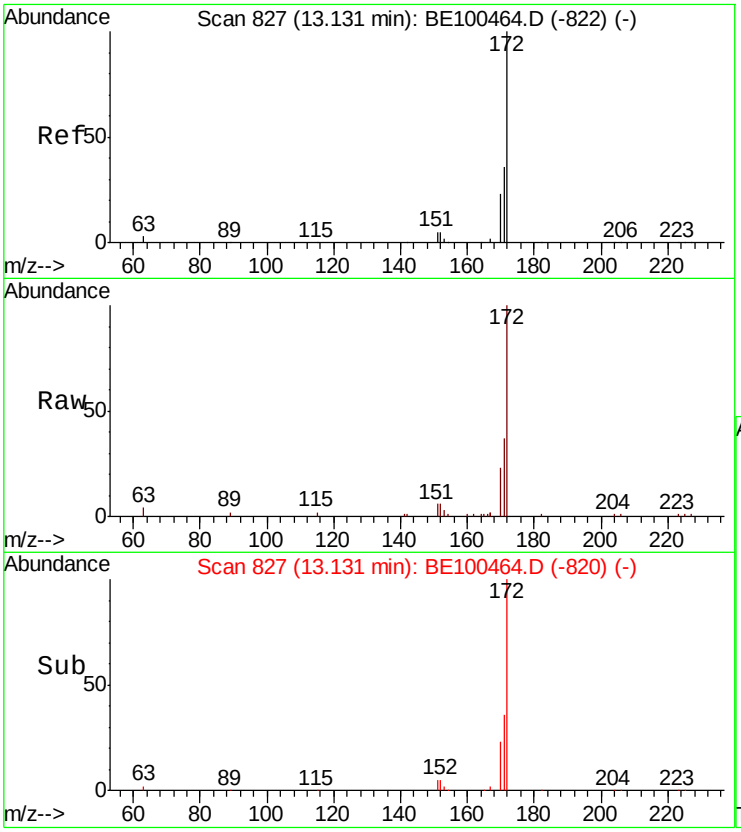


#14
2,4,6-Tribromophenol
Concen: 0.676 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:330 Resp: 911

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.3	114.5
141	37.3	29.4	44.2



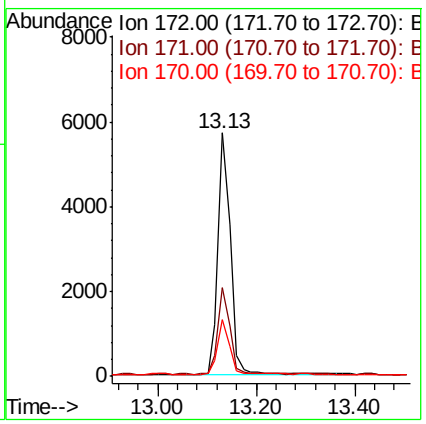


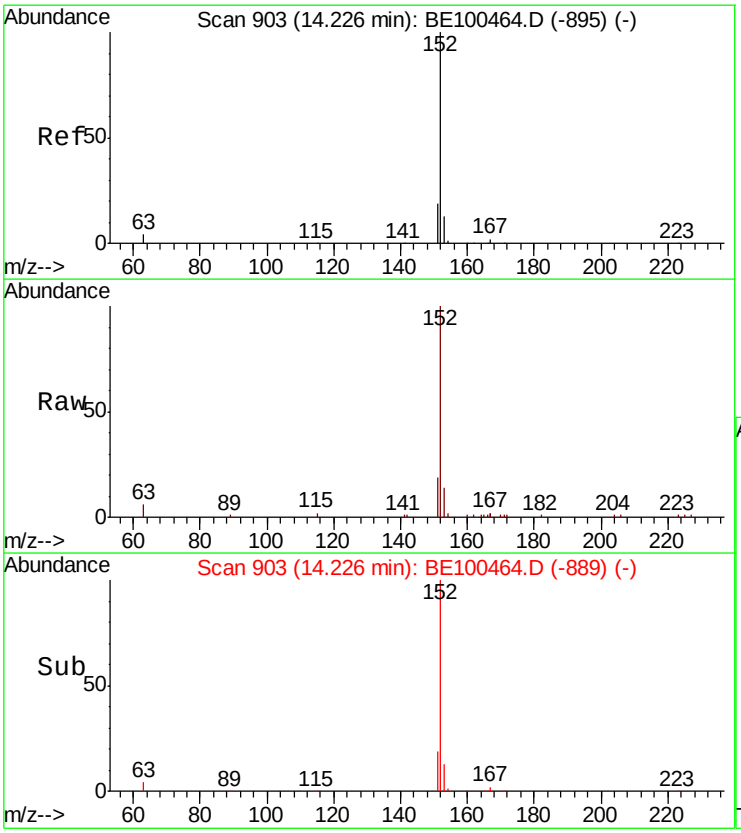
#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 9699

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	23.5	18.8	28.2

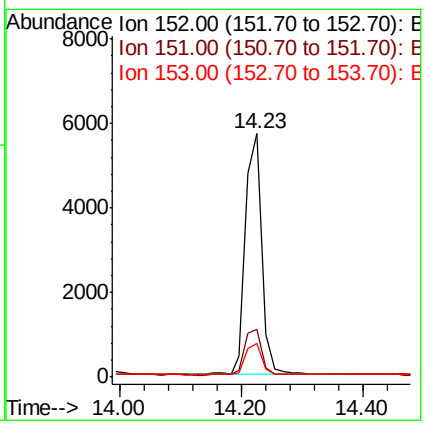


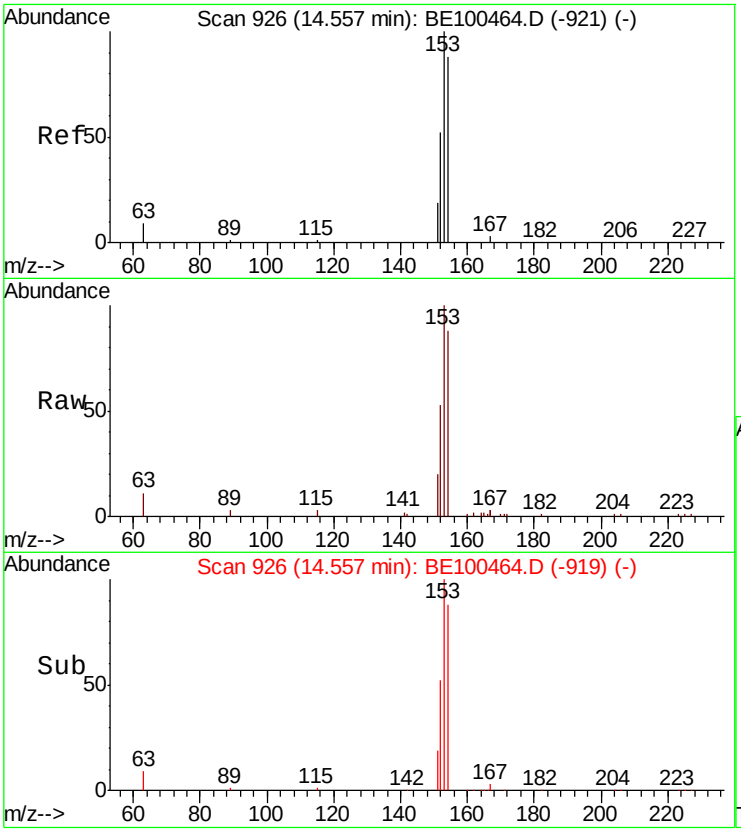


#16
Acenaphthylene
Concen: 0.439 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:152 Resp: 10601

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.3	10.6	15.8



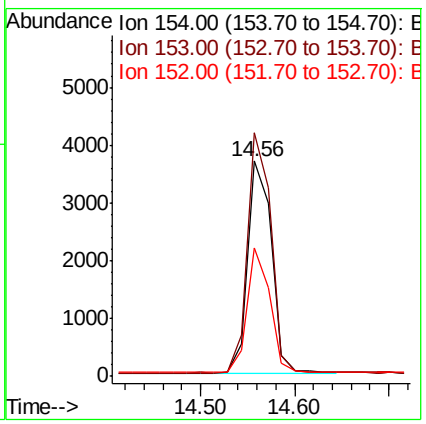


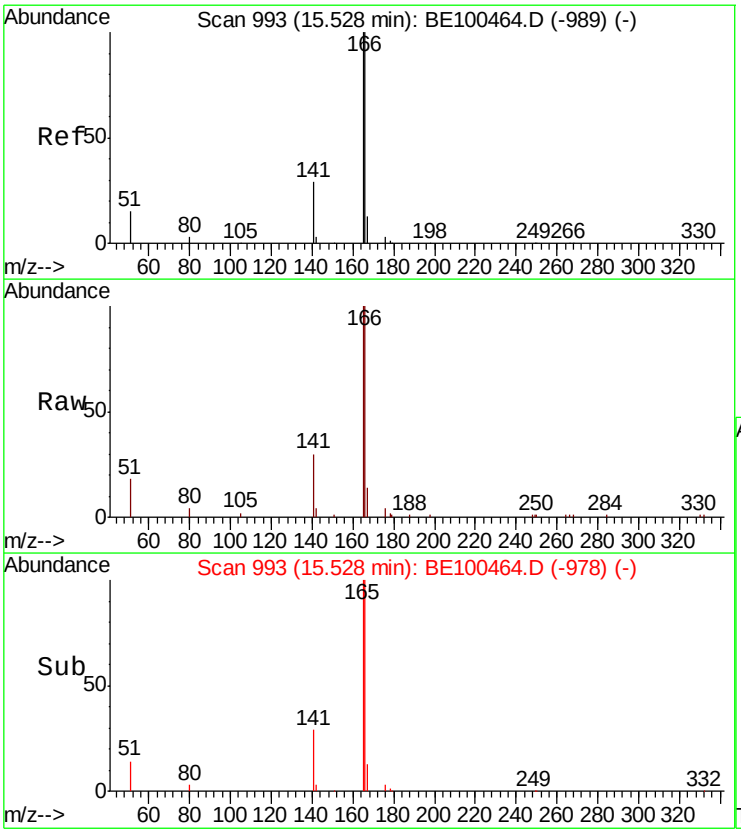
#17
Acenaphthene
Concen: 0.395 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 6542

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.4	134.2
152	55.5	44.4	66.6

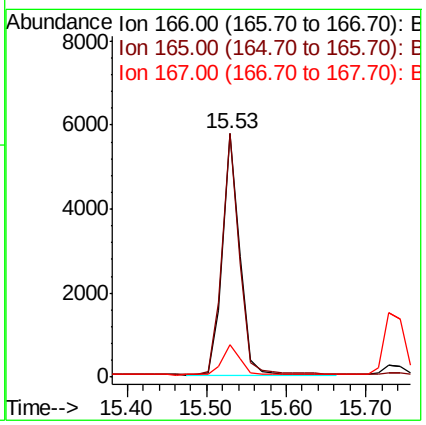


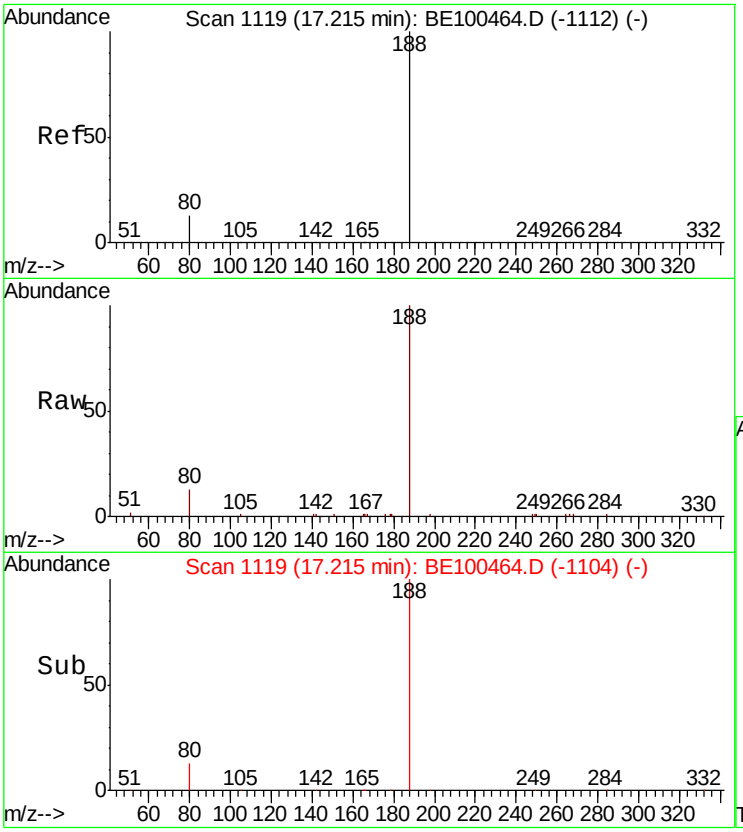


#18
Fluorene
Concen: 0.404 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:166 Resp: 8640

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.8
167	13.0	10.4	15.6



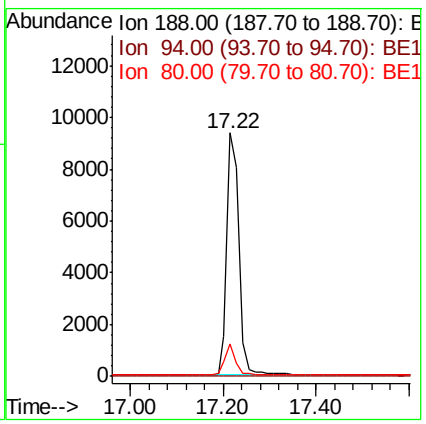


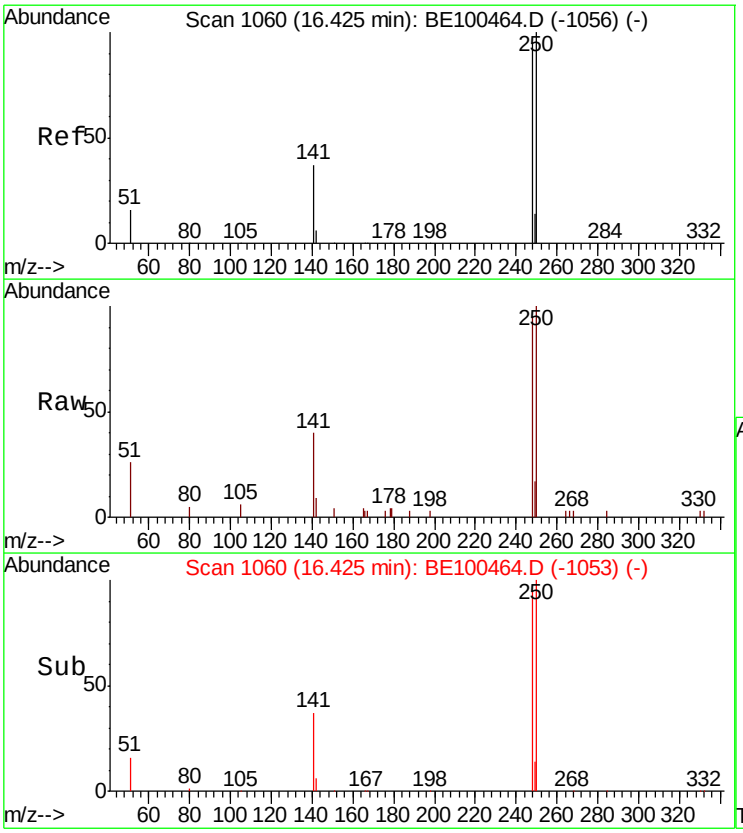
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 16822

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	10.7	16.1

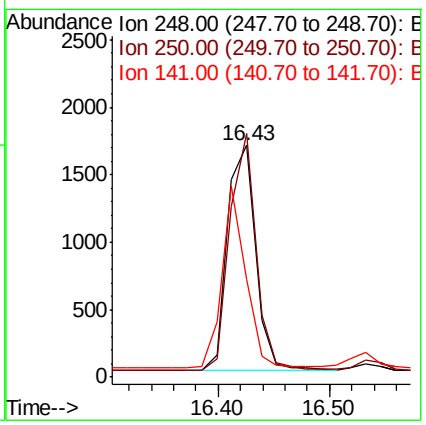


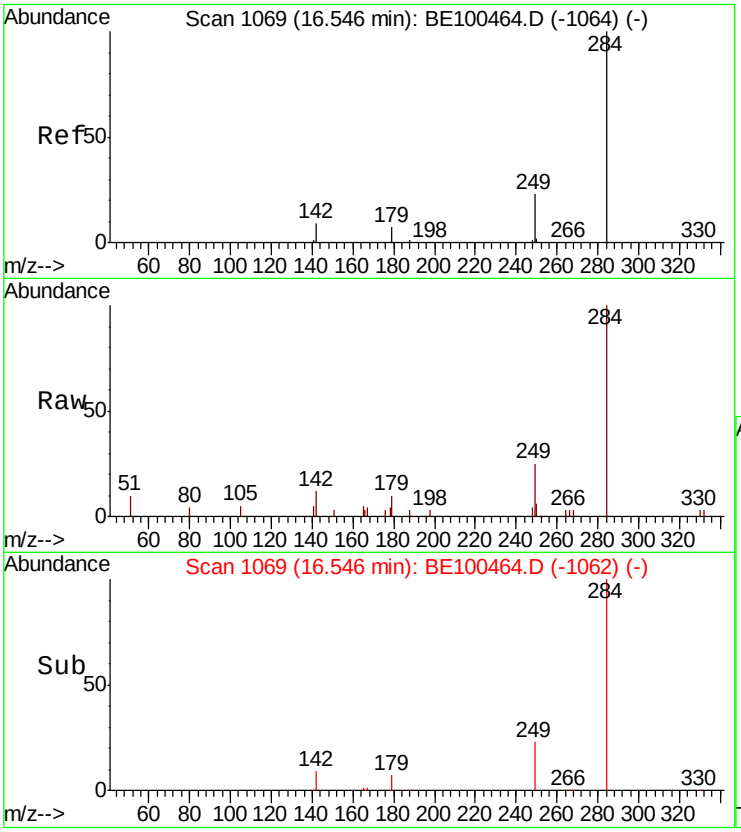


#20
4-Bromophenyl-phenylether
Concen: 0.338 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:248 Resp: 2970

Ion	Ratio	Lower	Upper
248	100		
250	104.9	83.9	125.9
141	42.1	33.7	50.5



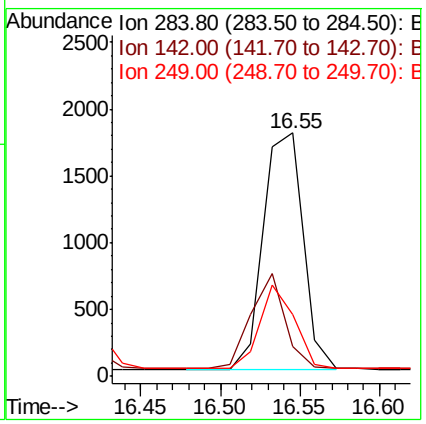


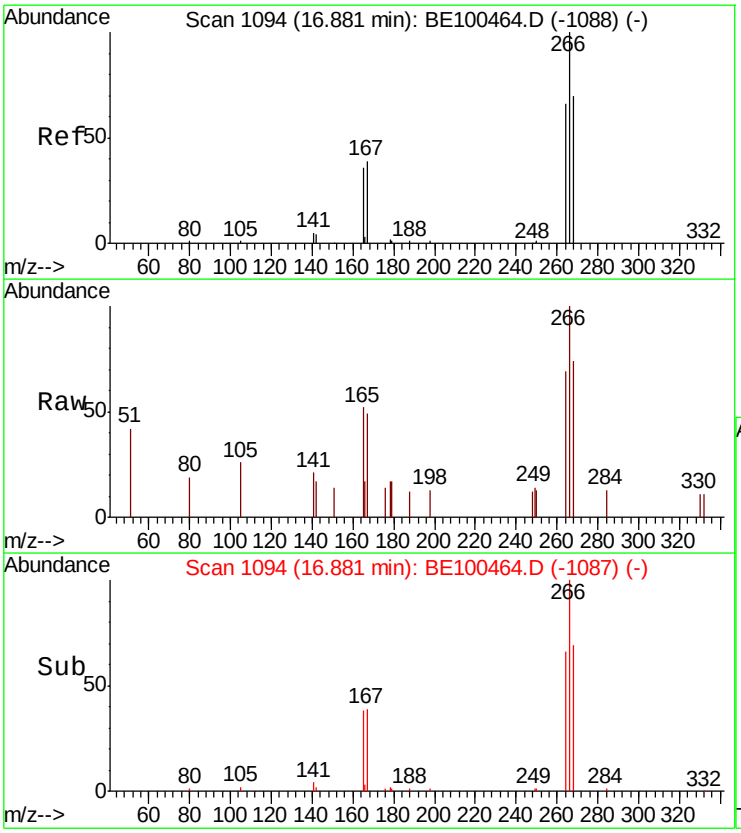
#21
Hexachlorobenzene
Concen: 0.302 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 3101

Ion	Ratio	Lower	Upper
284	100		
142	34.4	27.4	41.2
249	31.4	25.1	37.7

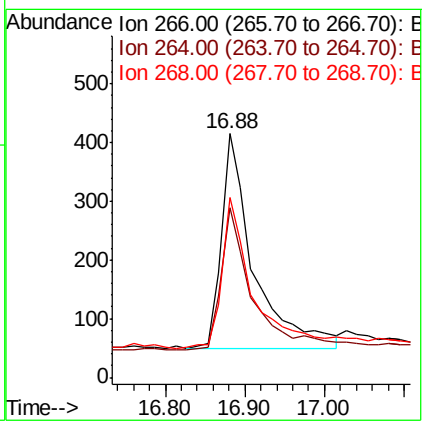


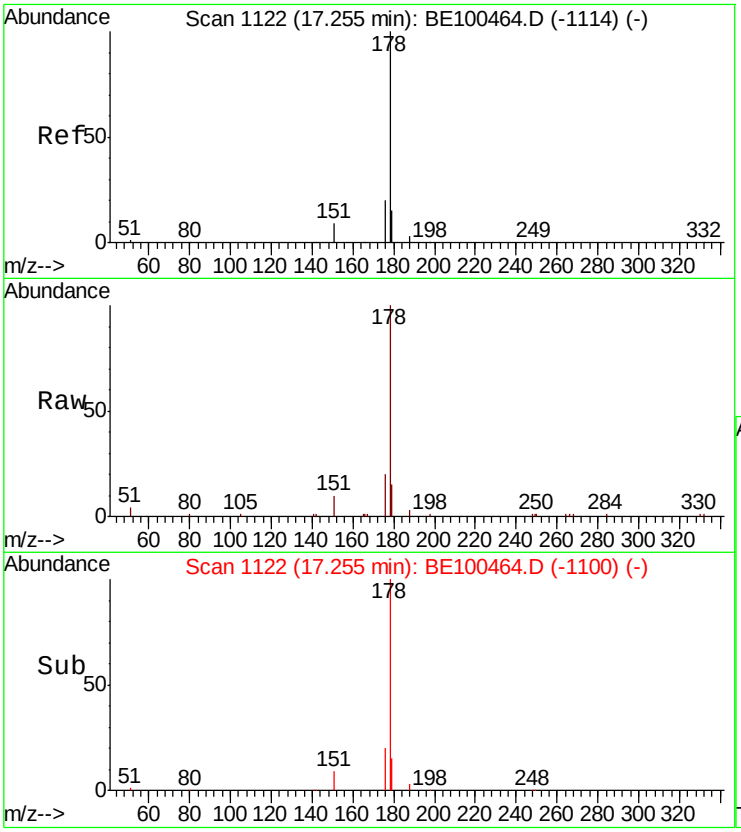


#22
Pentachlorophenol
Concen: 0.569 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:266 Resp: 1019

Ion	Ratio	Lower	Upper
266	100		
264	69.4	55.5	83.3
268	74.0	59.2	88.8



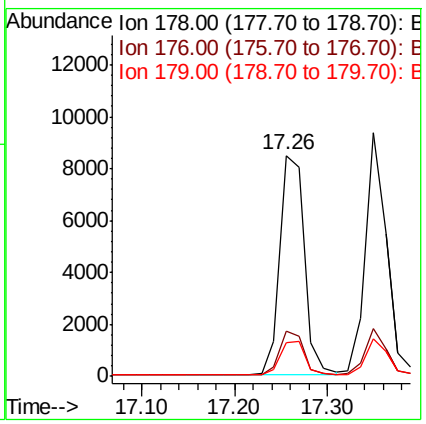


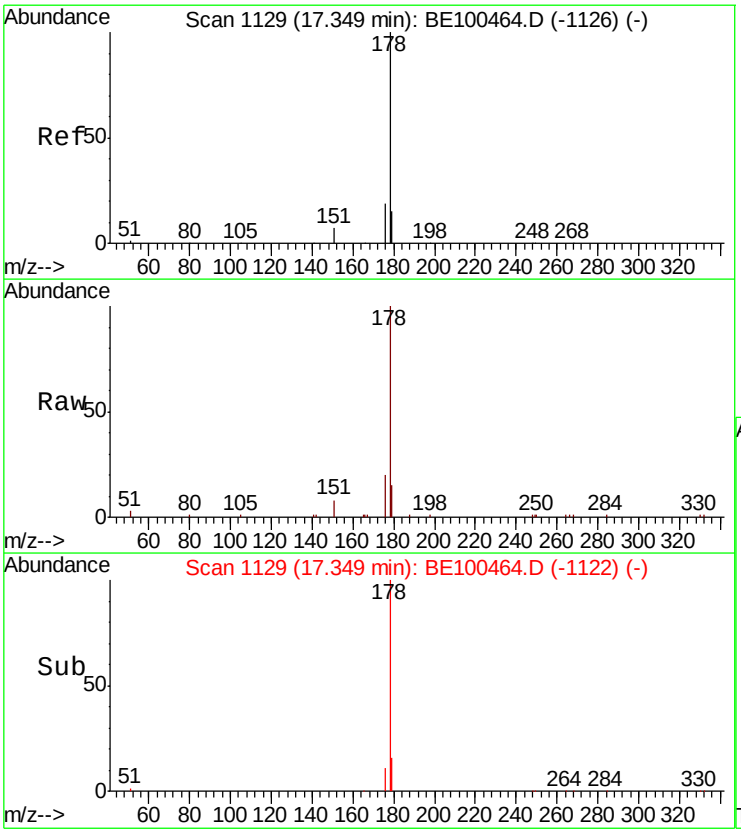
#23
Phenanthrene
Concen: 0.347 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 15553

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

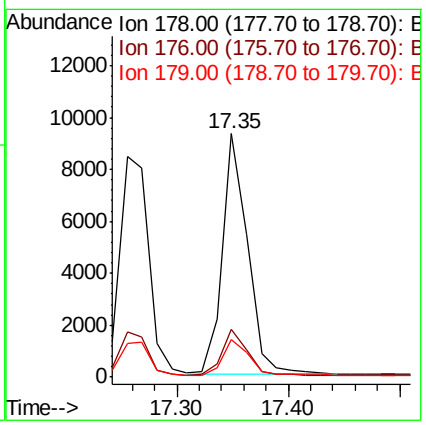


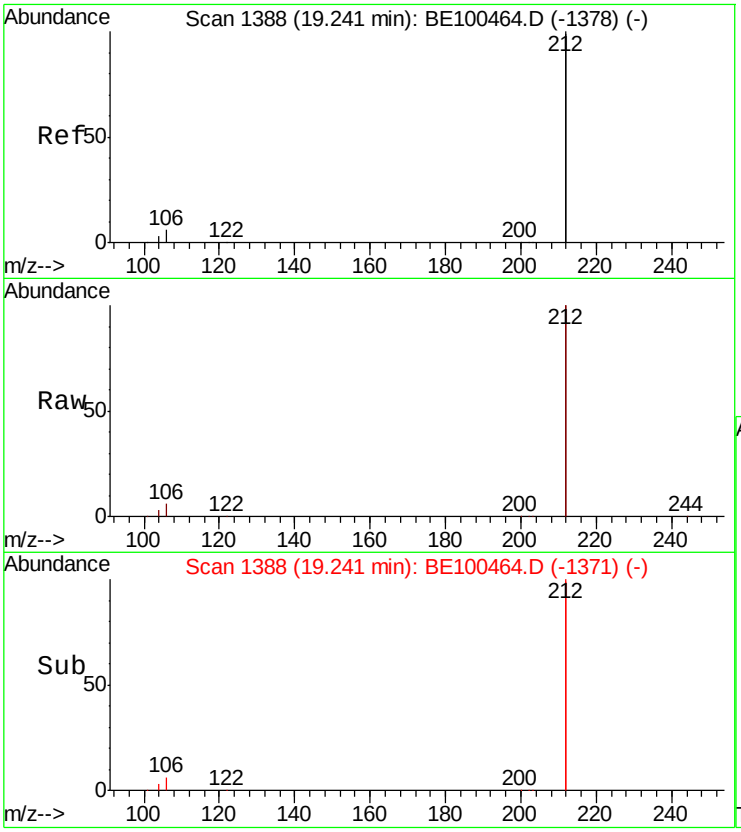


#24
Anthracene
Concen: 0.390 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:178 Resp: 14420

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.2	12.2	18.2



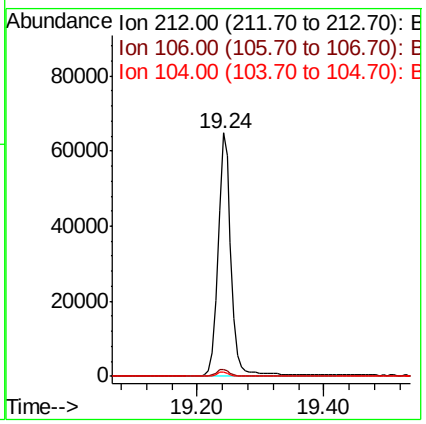


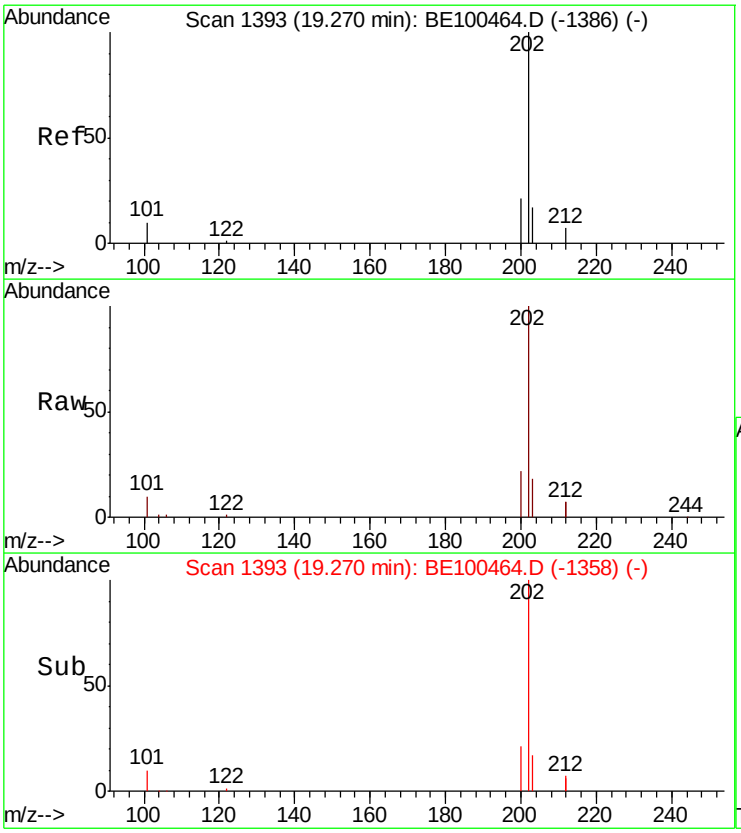
#25
Fluoranthene-d10
Concen: 0.452 ng
RT: 19.24 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 90563

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.5	1.2	1.8

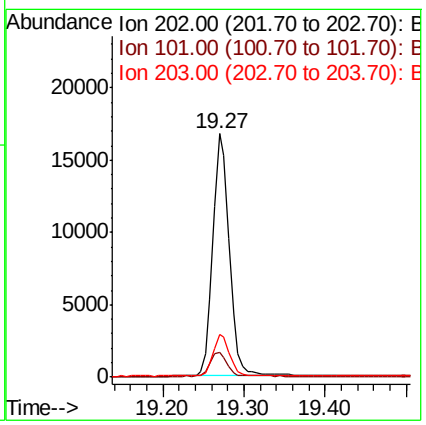


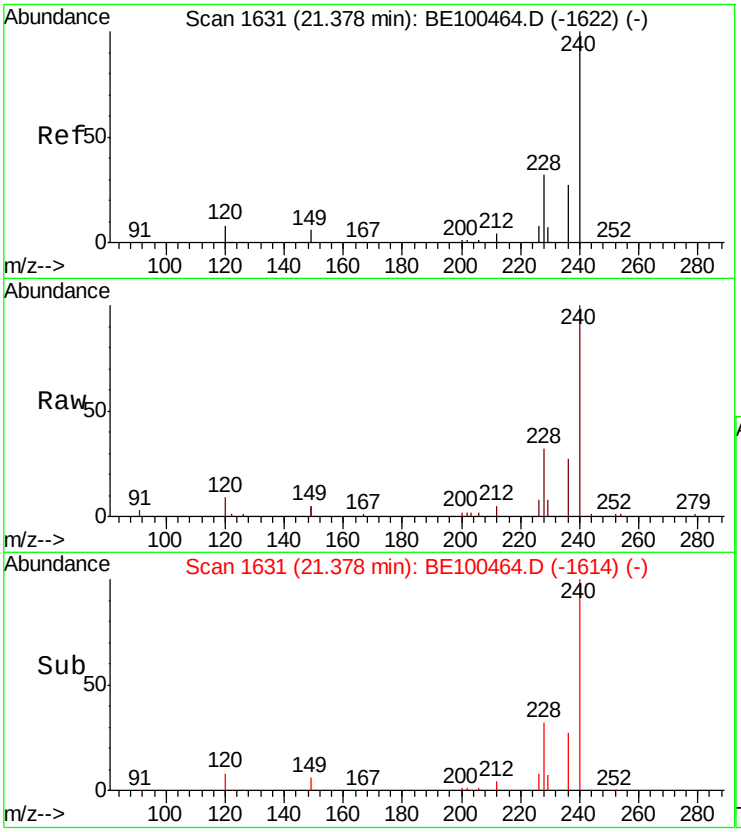


#26
Fluoranthene
Concen: 0.417 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:202 Resp: 23767

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.3	12.5
203	17.0	13.6	20.4



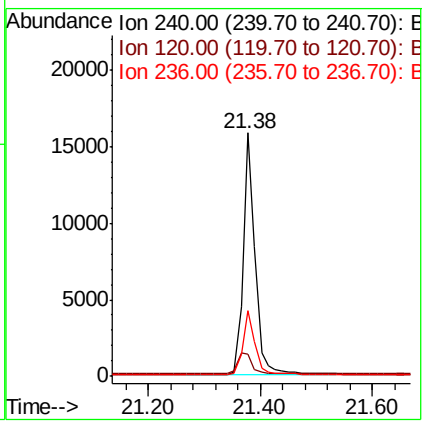


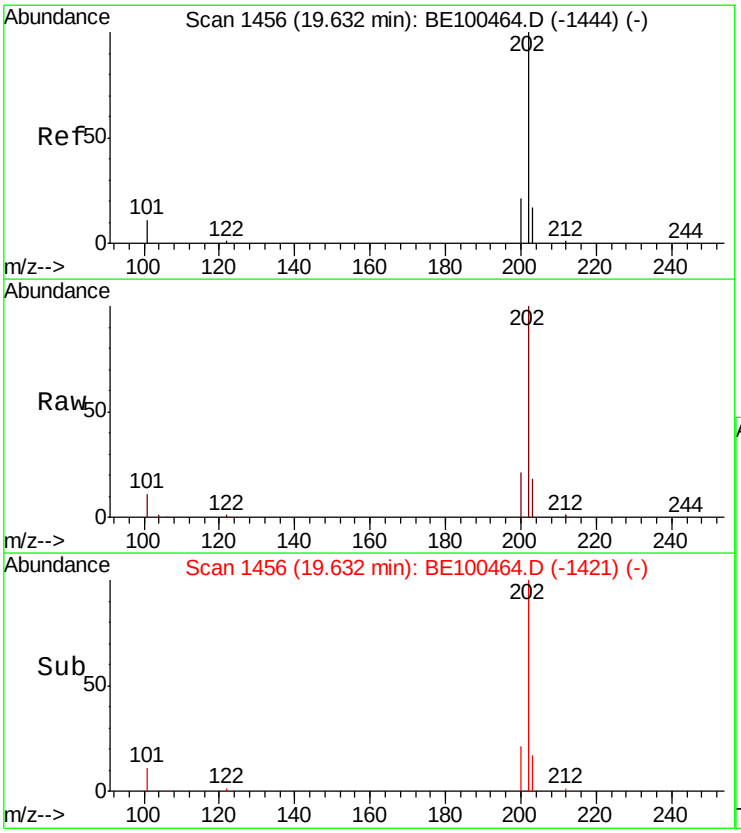
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 23578

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.1	10.7
236	27.1	21.7	32.5

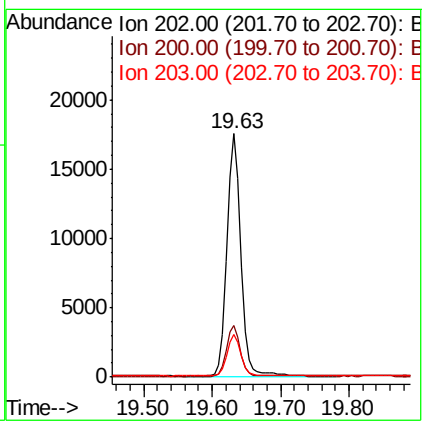


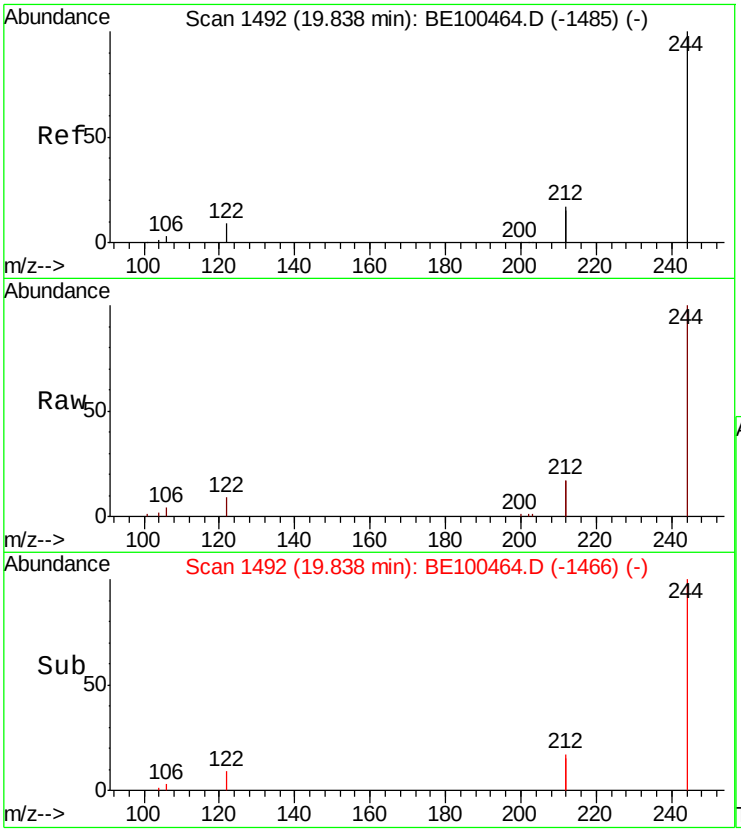


#28
Pyrene
Concen: 0.366 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:202 Resp: 25272

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	13.8	20.8



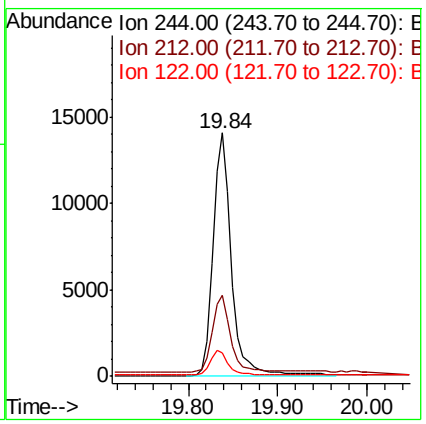


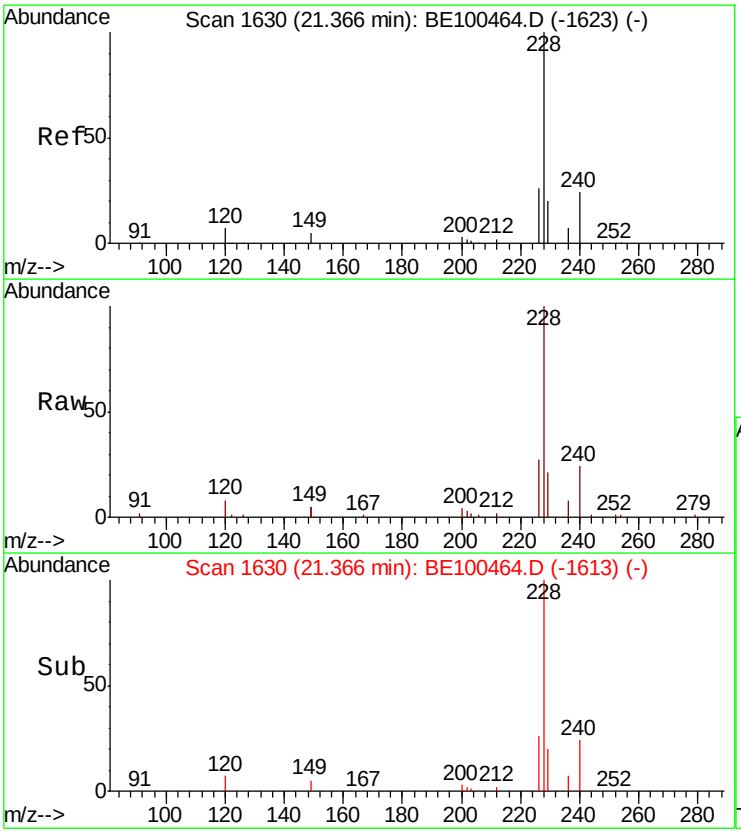
#29
Terphenyl-d14
Concen: 0.342 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 19757

Ion	Ratio	Lower	Upper
244	100		
212	33.3	26.6	40.0
122	9.5	7.6	11.4

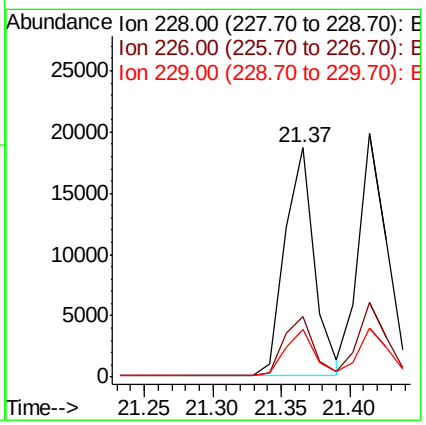


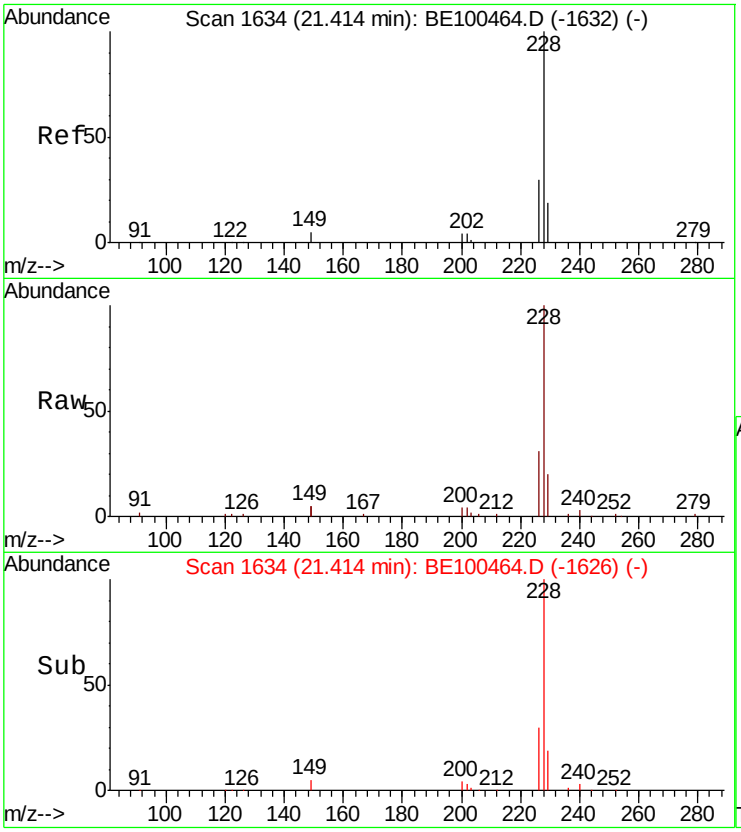


#30
Benzo(a)anthracene
Concen: 0.432 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:228 Resp: 27645

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.8	16.6	25.0



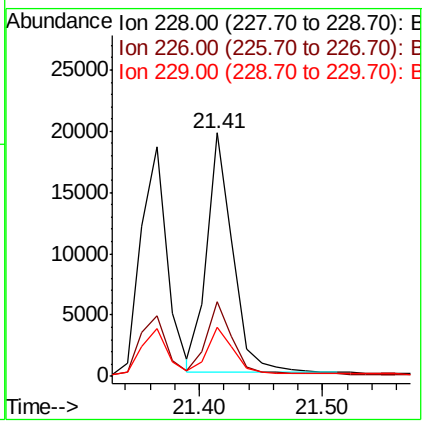


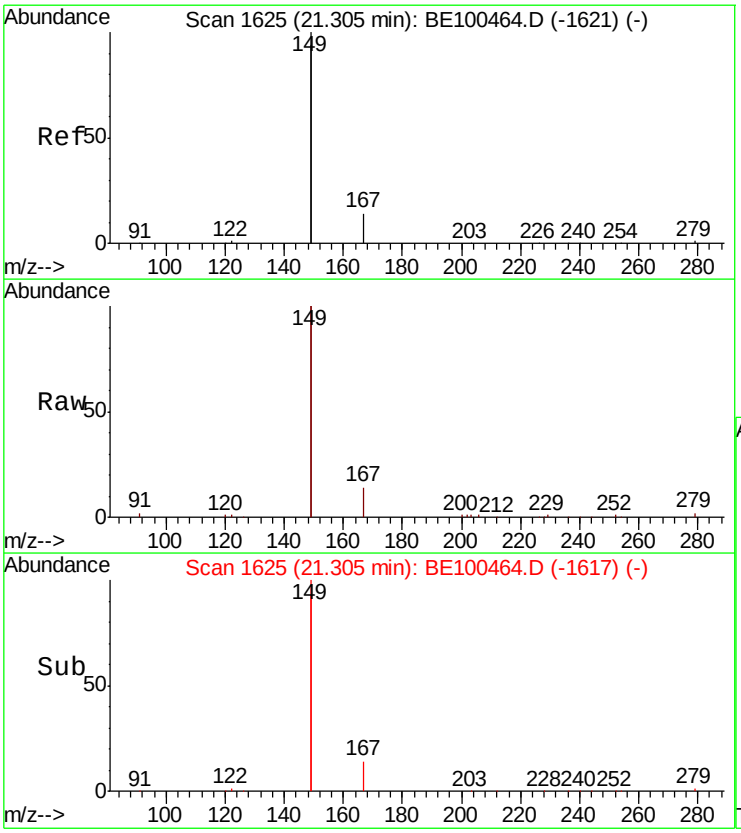
#31
Chrysene
Concen: 0.373 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 28361

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.0	16.0	24.0

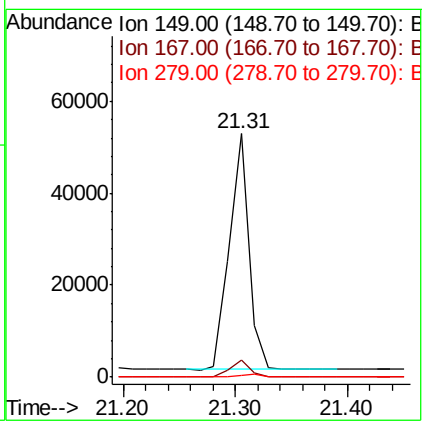


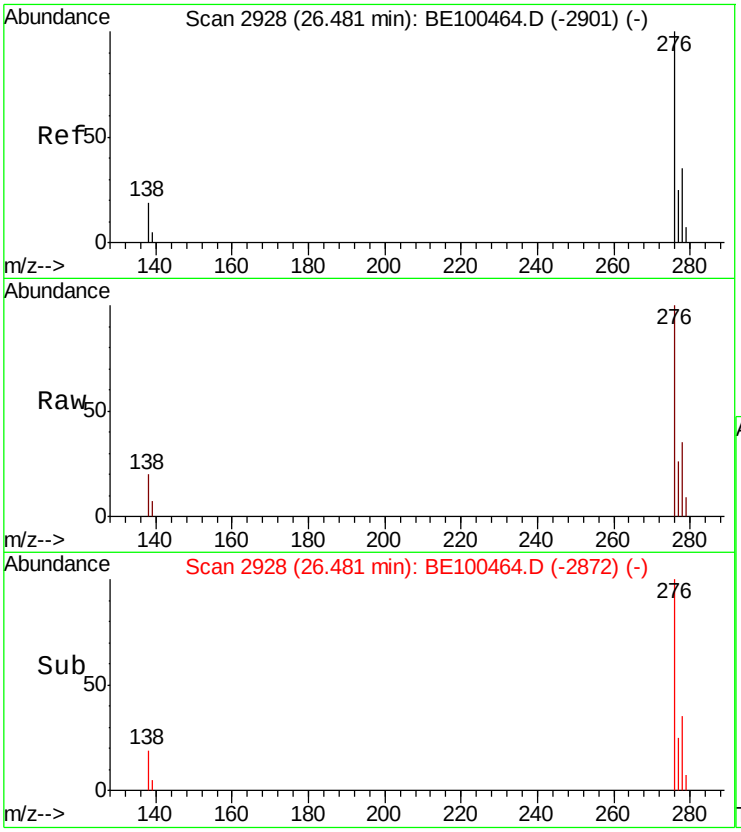


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.363 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:149 Resp: 62571

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.0	0.8	1.2



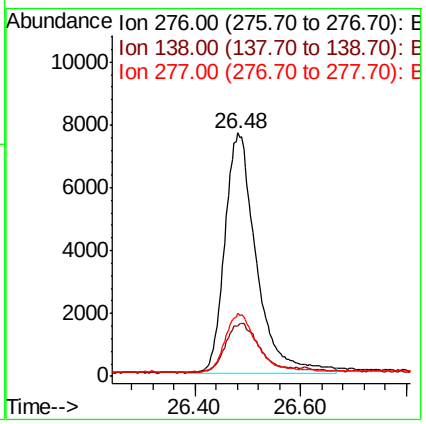


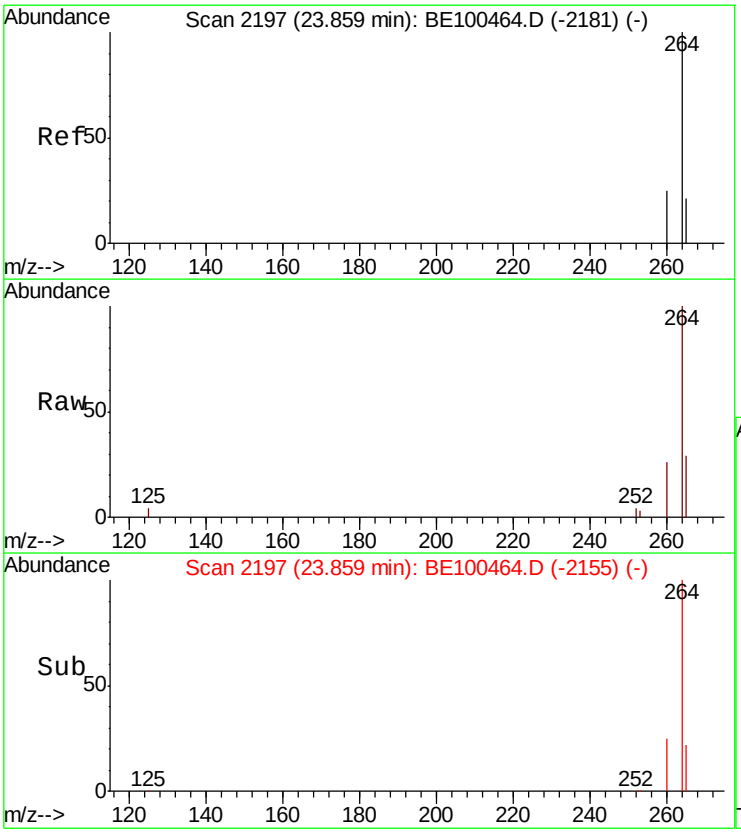
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.466 ng
RT: 26.48 min Scan# 2928
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 31492

Ion	Ratio	Lower	Upper
276	100		
138	21.8	17.4	26.0
277	24.3	19.4	29.0

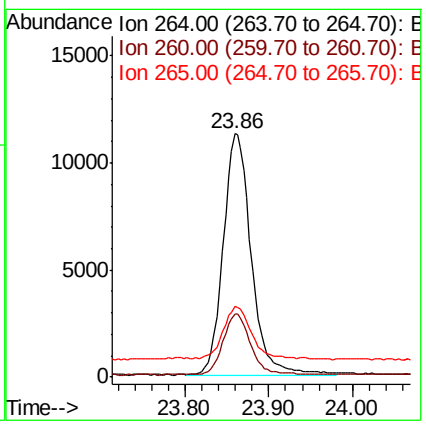


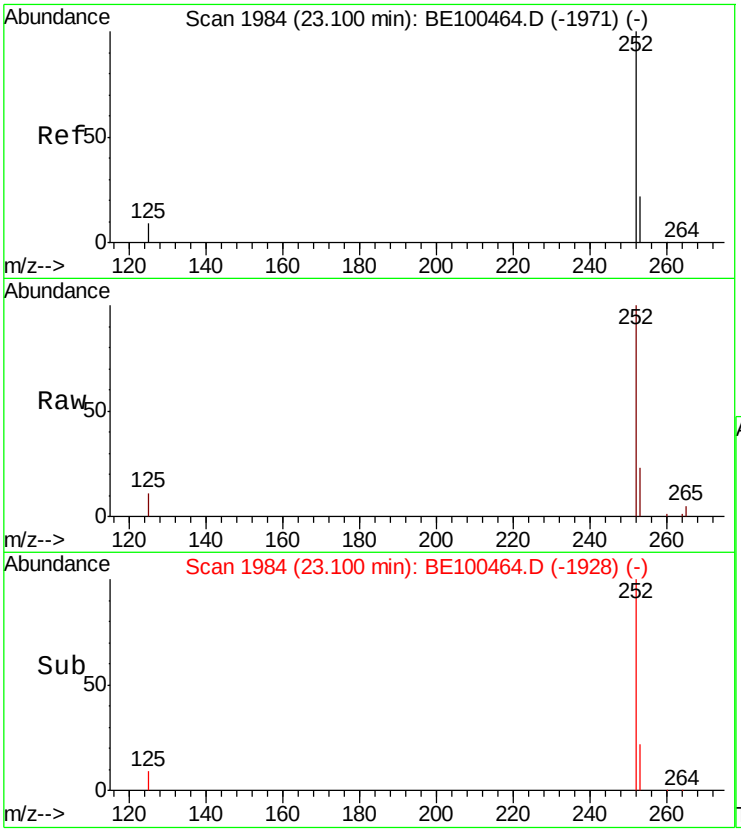


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:264 Resp: 26098

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.7	31.1
265	29.2	23.4	35.0



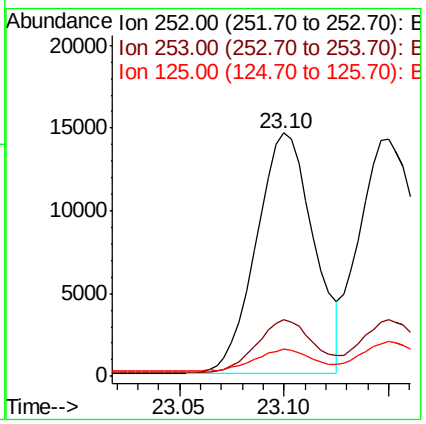


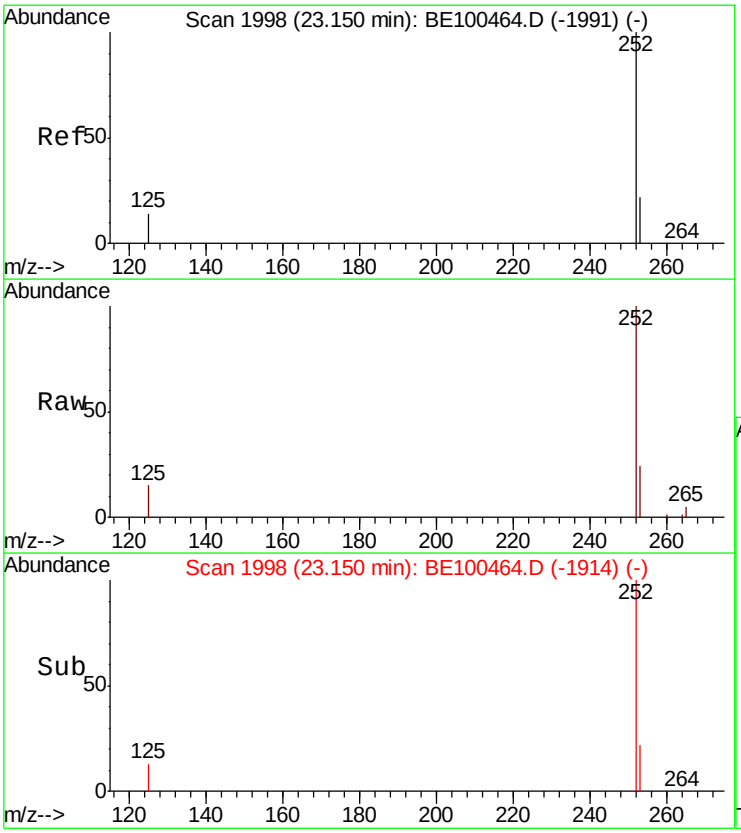
#35
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 27708

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	11.2	9.0	13.4

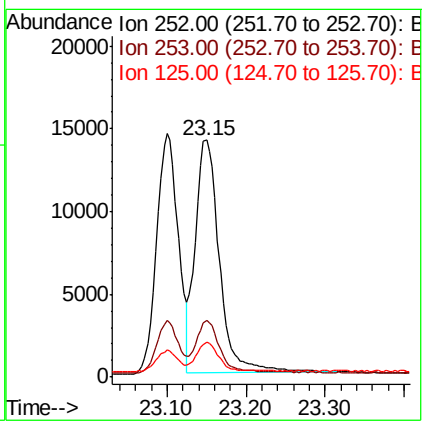


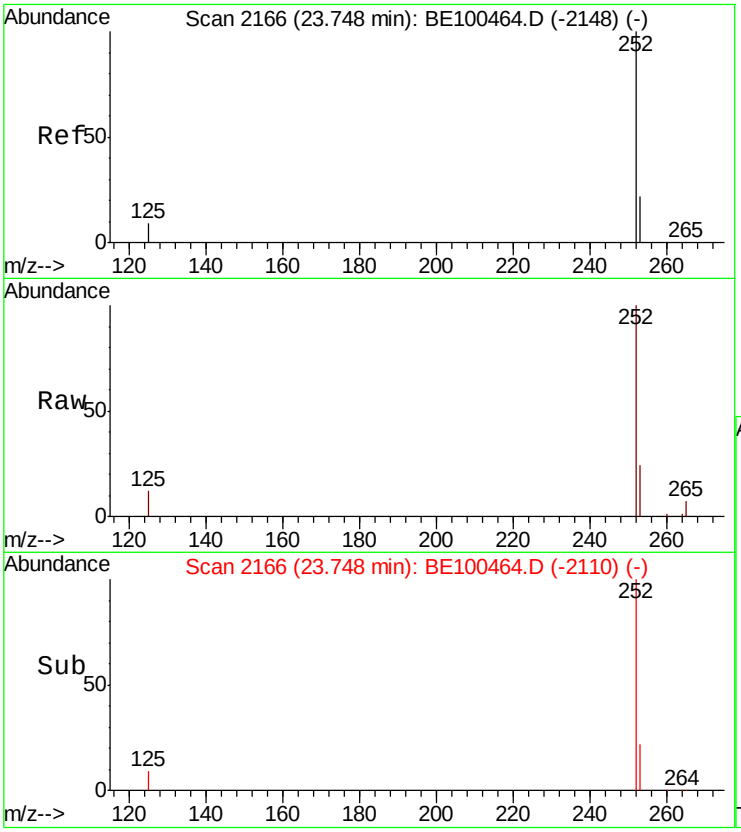


#36
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 23.15 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:252 Resp: 30038

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	14.8	11.8	17.8



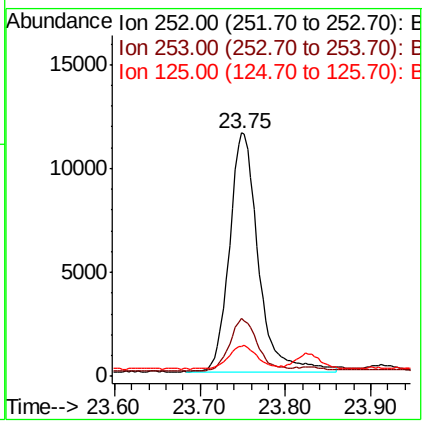


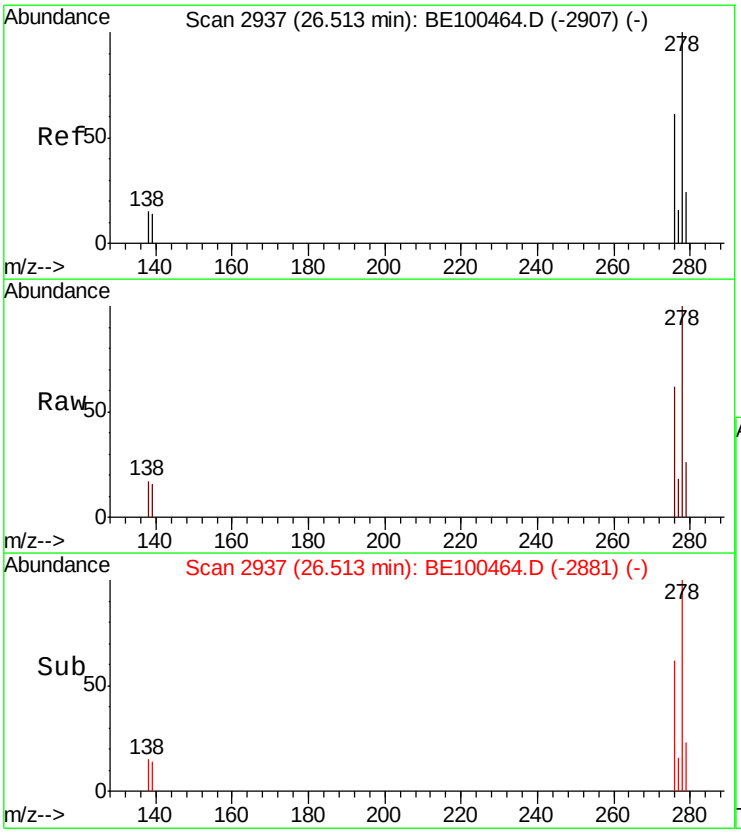
#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.75 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 26930

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.1	28.7
125	12.5	10.0	15.0

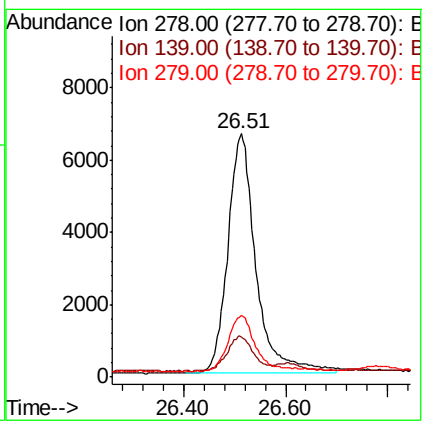


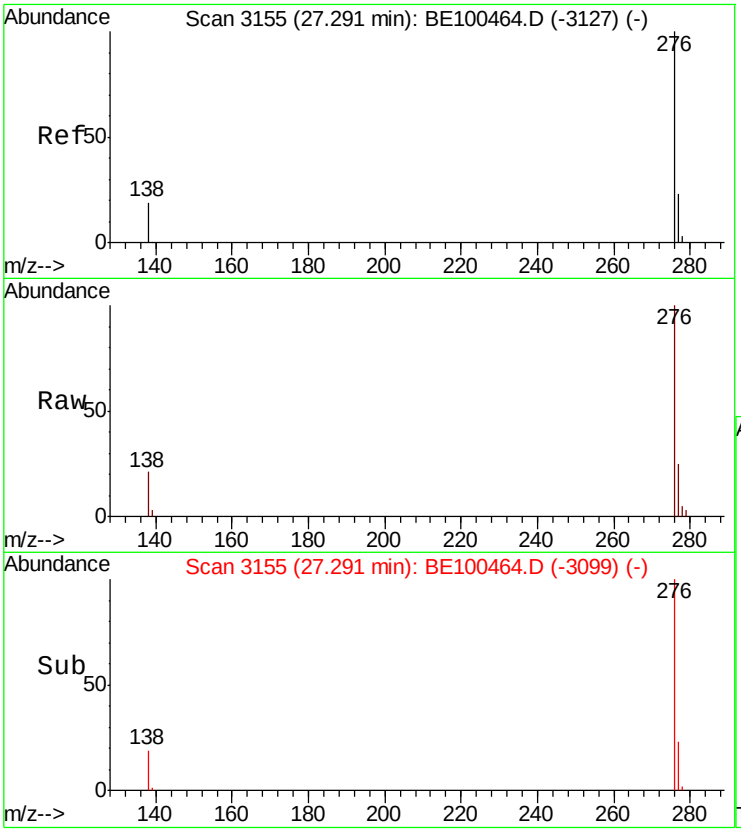


#38
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.51 min Scan# 2937
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Tgt Ion:278 Resp: 25504

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.6
279	25.5	20.4	30.6





#39
Benzo(g,h,i)perylene
Concen: 0.361 ng
RT: 27.29 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE100464.D
Acq: 19 Jul 2019 10:35

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 26376

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	20.9	16.7	25.1