Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
Data File : BE098466.D
Acq On : 15 Dec 2018 11:08
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Dec 16 00:52:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	1815	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	7624	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	4834	0.40	ng		-0.01
19) Phenanthrene-d10	17.27	188	12783	0.40	ng		-0.01
27) Chrysene-d12	21.45	240	15626	0.40	ng		-0.01
34) Perylene-d12	23.99	264	15472	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	1891	0.45	ng		0.00
5) Phenol-d6	7.04	99	2789	0.46	ng		-0.01
8) Nitrobenzene-d5	9.02	82	2882	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	4663	0.38	ng		-0.01
14) 2,4,6-Tribromophenol	16.02	330	820	0.46	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	7329	0.36	ng		0.00
25) Fluoranthene-d10	19.30	212	63121	0.38	ng		0.00
29) Terphenyl-d14	19.90	244	12139	0.32	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	944	0.301	ng	#	91
3) n-Nitrosodimethylamine	3.70	42	953	0.337	ng	#	100
6) bis(2-Chloroethyl)ether	7.28	93	2016	0.353	ng		96
9) Naphthalene	10.71	128	29593	0.386	ng		100
10) Hexachlorobutadiene	10.99	225	1967	0.403	ng		98
12) 2-Methylnaphthalene	12.32	142	4671	0.375	ng		98
16) Acenaphthylene	14.24	152	8725	0.385	ng		99
17) Acenaphthene	14.59	154	5106	0.375	ng		98
18) Fluorene	15.57	166	6950	0.382	ng		99
20) 4-Bromophenyl-phenylether	16.46	248	2585	0.376	ng	#	78
21) Hexachlorobenzene	16.57	284	2926	0.396	ng		96
22) Pentachlorophenol	16.93	266	809	0.629	ng		94
23) Phenanthrene	17.31	178	11877	0.382	ng		99
24) Anthracene	17.41	178	10204	0.368	ng		99
26) Fluoranthene	19.33	202	16027	0.390	ng		99
28) Pyrene	19.69	202	16793	0.343	ng		99
30) Benzo(a)anthracene	21.44	228	16306	0.366	ng		99
31) Chrysene	21.49	228	17890	0.384	ng		98
32) Bis(2-ethylhexyl)phthalate	21.35	149	34421	0.381	ng		99
33) Indeno(1,2,3-cd)pyrene	26.68	276	19042	0.411	ng		97
35) Benzo(b)fluoranthene	23.27	252	19200	0.454	ng		96
36) Benzo(k)fluoranthene	23.27	252	19683	0.399	ng		98
37) Benzo(a)pyrene	23.88	252	17142	0.393	ng	#	95
38) Dibenzo(a,h)anthracene	26.70	278	15450	0.376	ng	#	88
39) Benzo(g,h,i)perylene	27.49	276	15920	0.384	ng		98

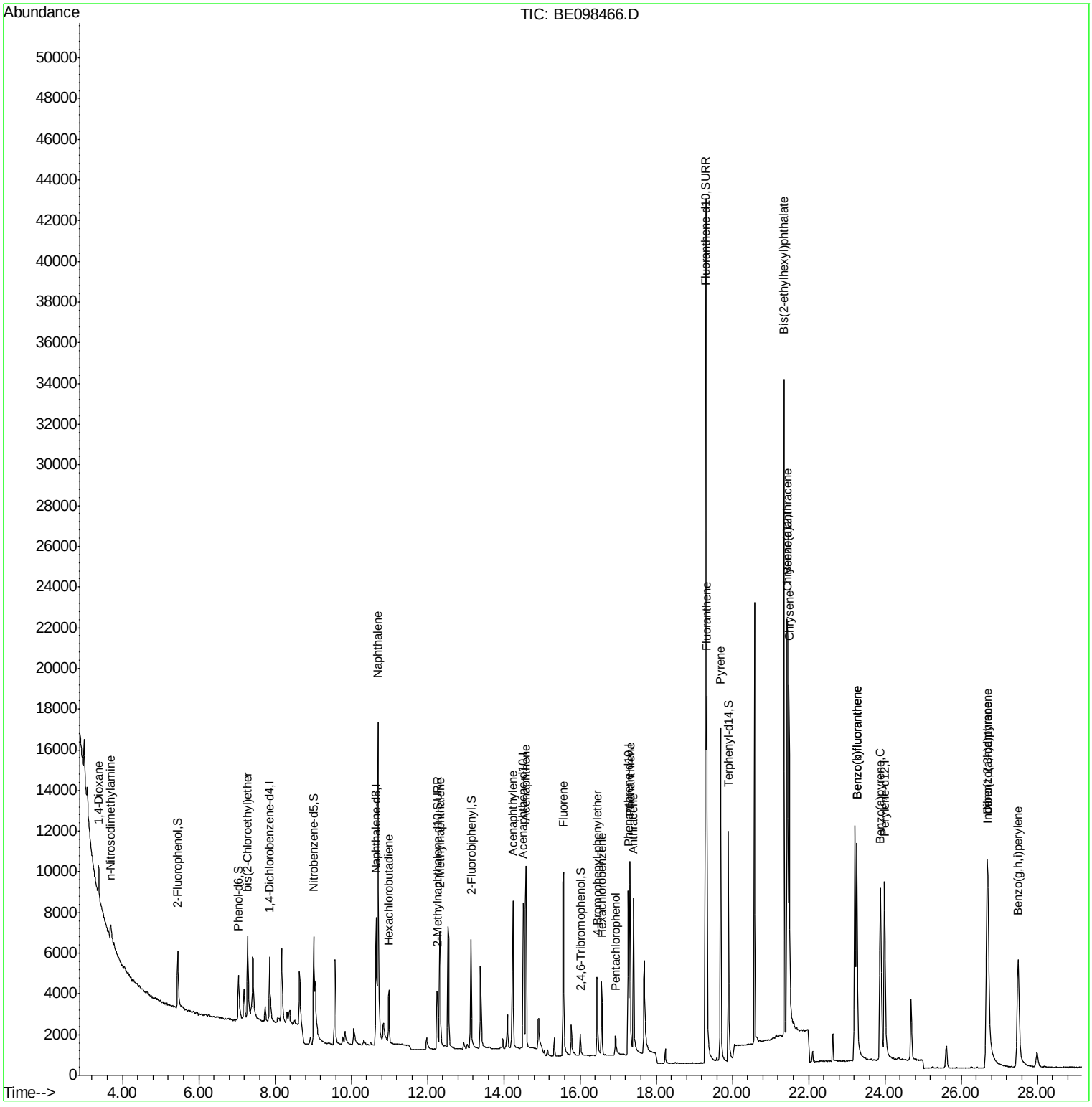
(#) = qualifier out of range (m) = manual integration (+) = signals summed

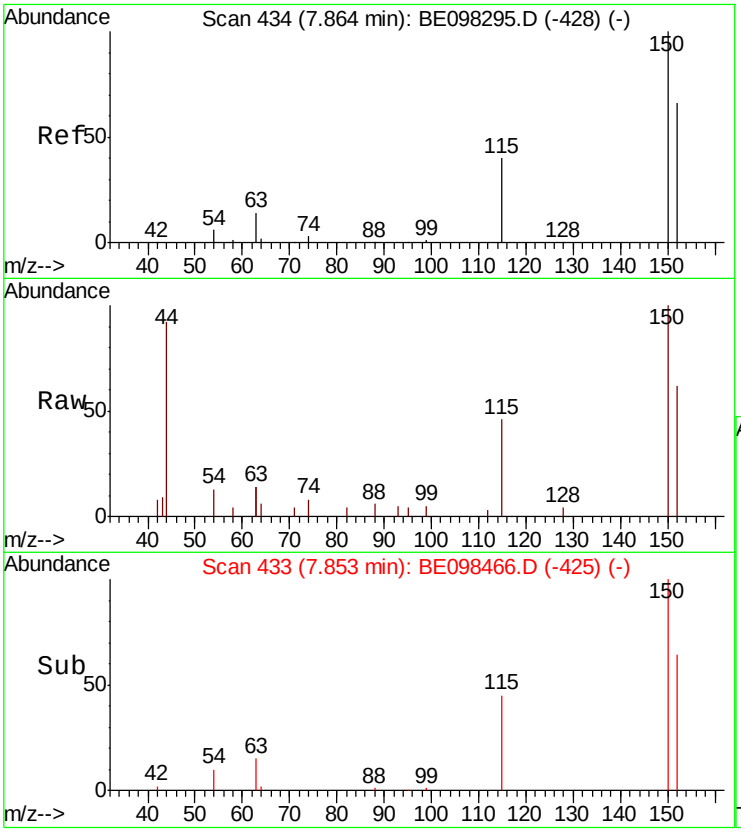
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
Data File : BE098466.D
Acq On : 15 Dec 2018 11:08
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 16 00:52:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



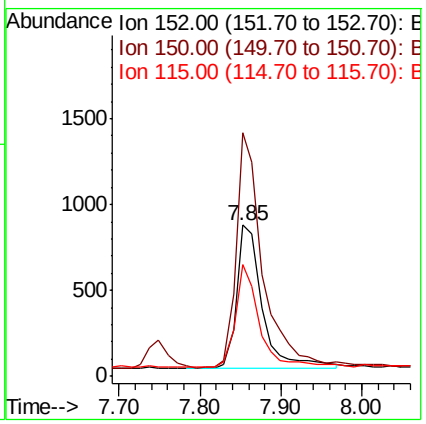


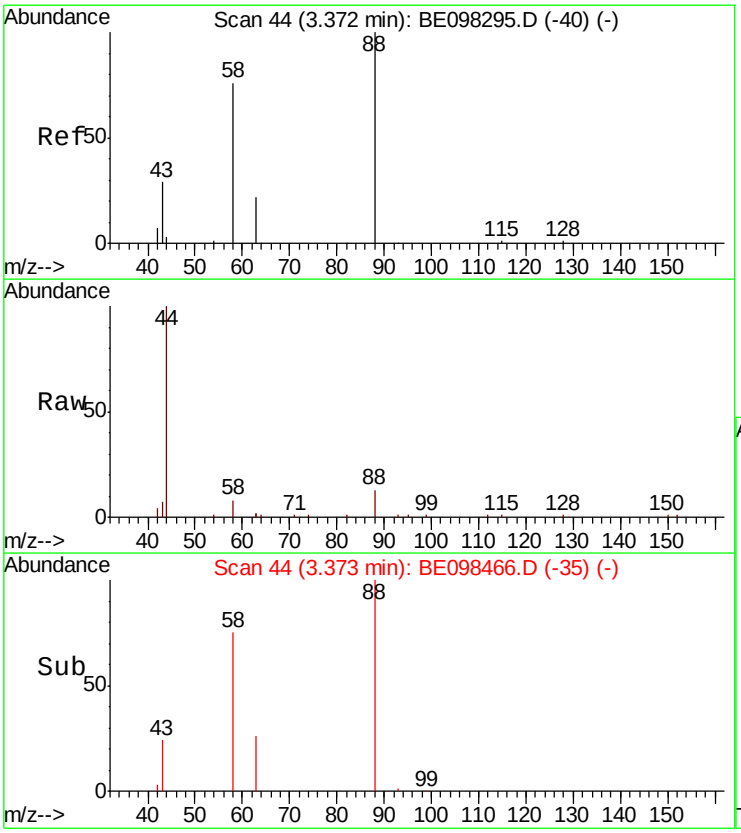
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1815

Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.2	186.4
115	73.5	53.9	80.9

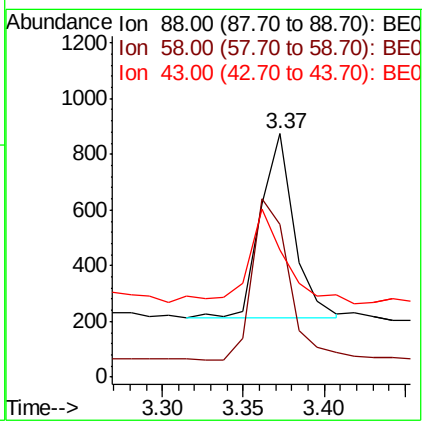


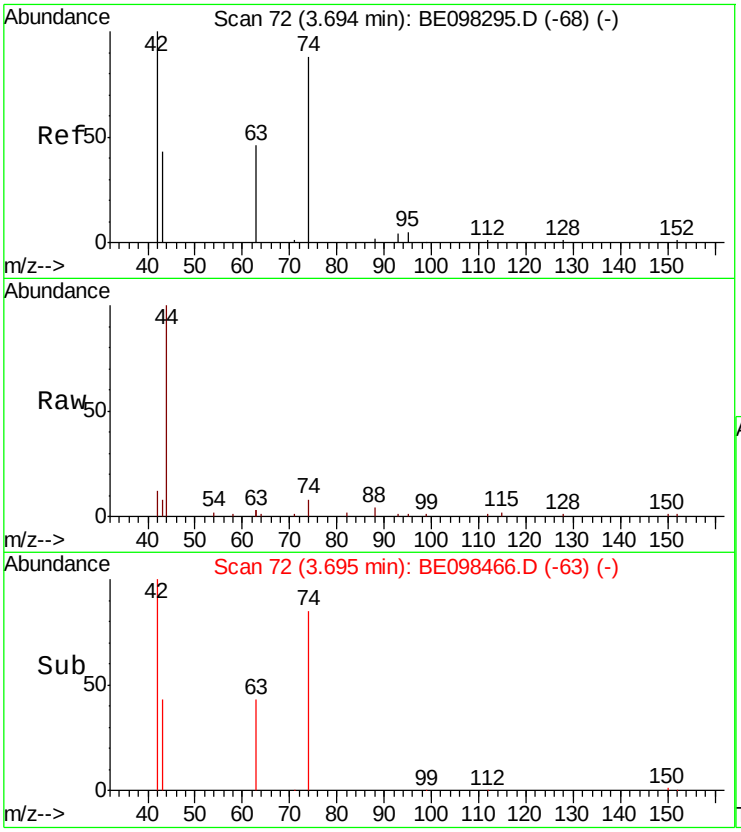


#2
1,4-Dioxane
Concen: 0.301 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion: 88 Resp: 944

Ion	Ratio	Lower	Upper
88	100		
58	97.2	75.0	112.6
43	60.4	38.3	57.5#



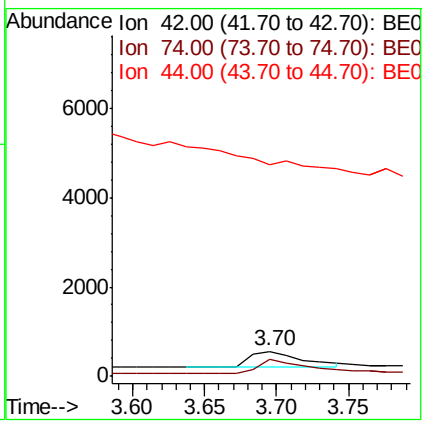


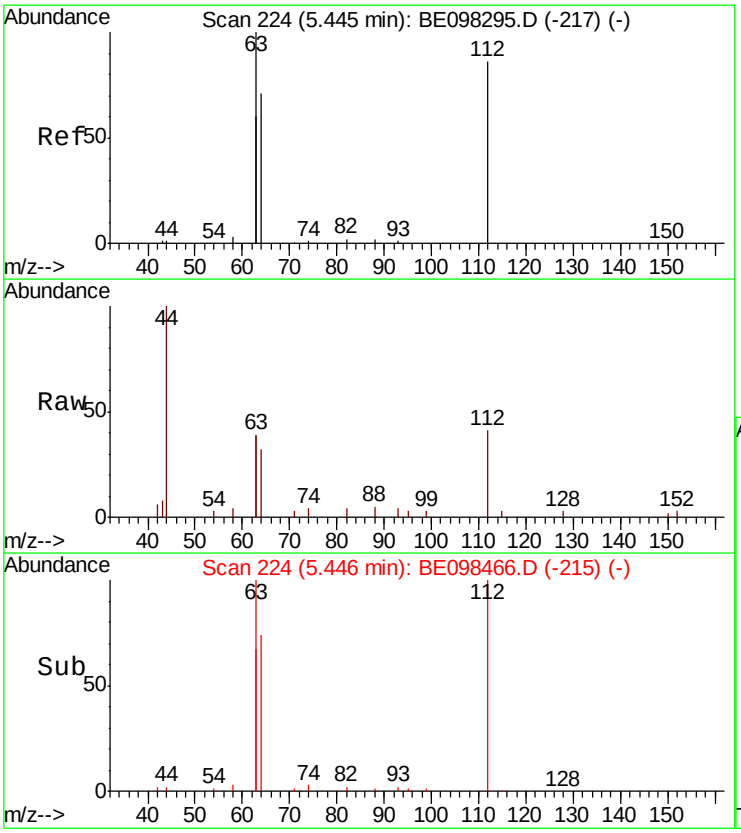
#3
n-Nitrosodimethylamine
Concen: 0.337 ng
RT: 3.70 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 953

Ion	Ratio	Lower	Upper
42	100		
74	76.4	0.0	0.0#
44	0.0	0.0	0.0

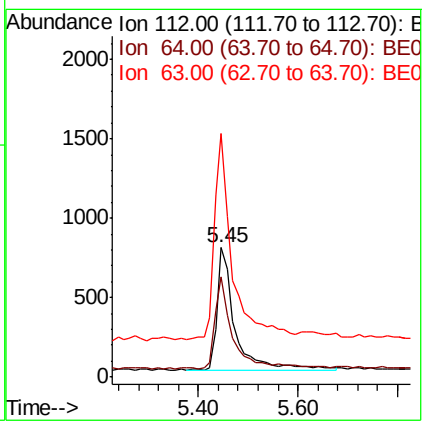


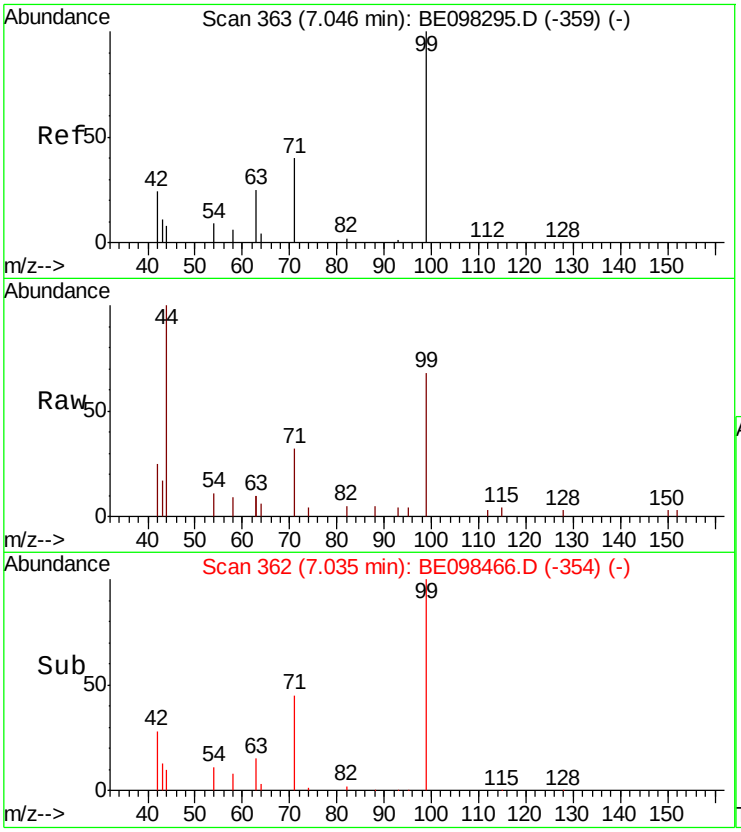


#4
2-Fluorophenol
Concen: 0.445 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:112 Resp: 1891

Ion	Ratio	Lower	Upper
112	100		
64	73.8	59.8	89.8
63	169.9	133.7	200.5



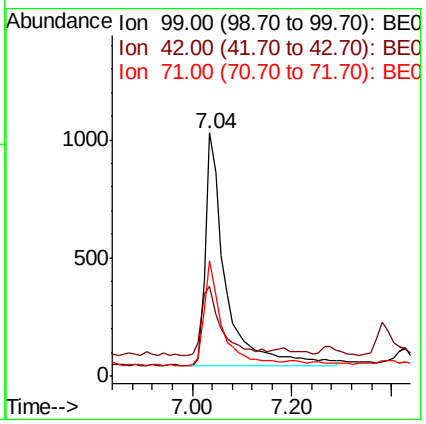


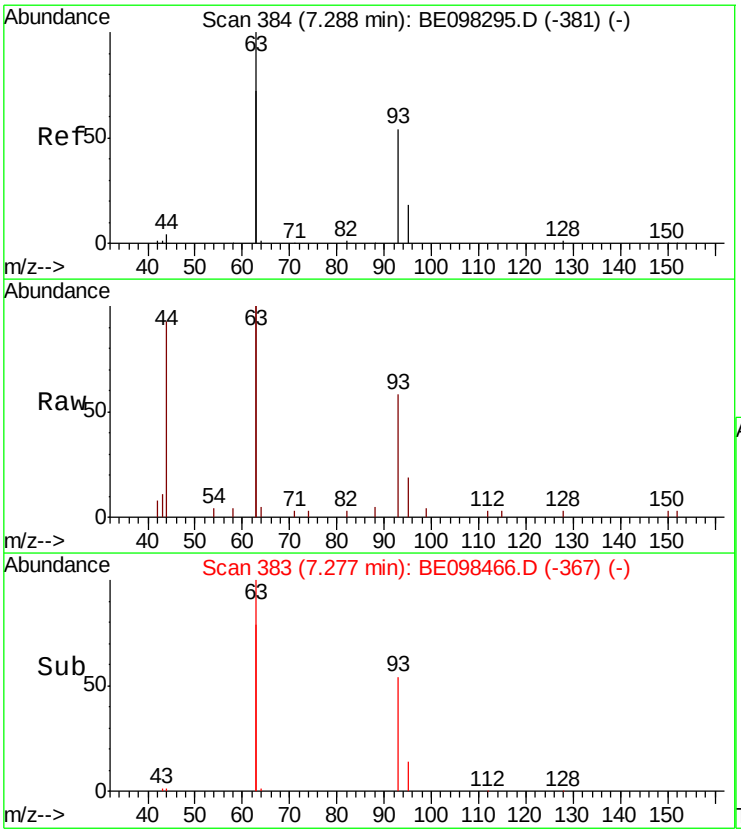
#5
Phenol-d6
Concen: 0.464 ng
RT: 7.04 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2789

Ion	Ratio	Lower	Upper
99	100		
42	30.1	26.3	39.5
71	39.4	33.6	50.4

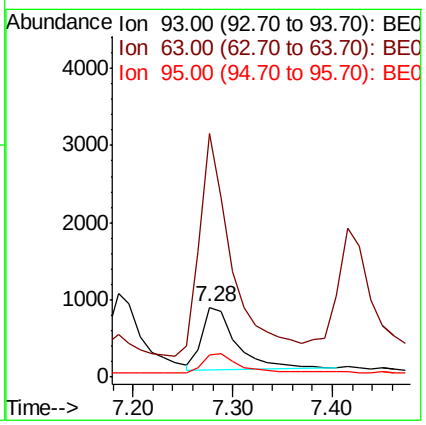


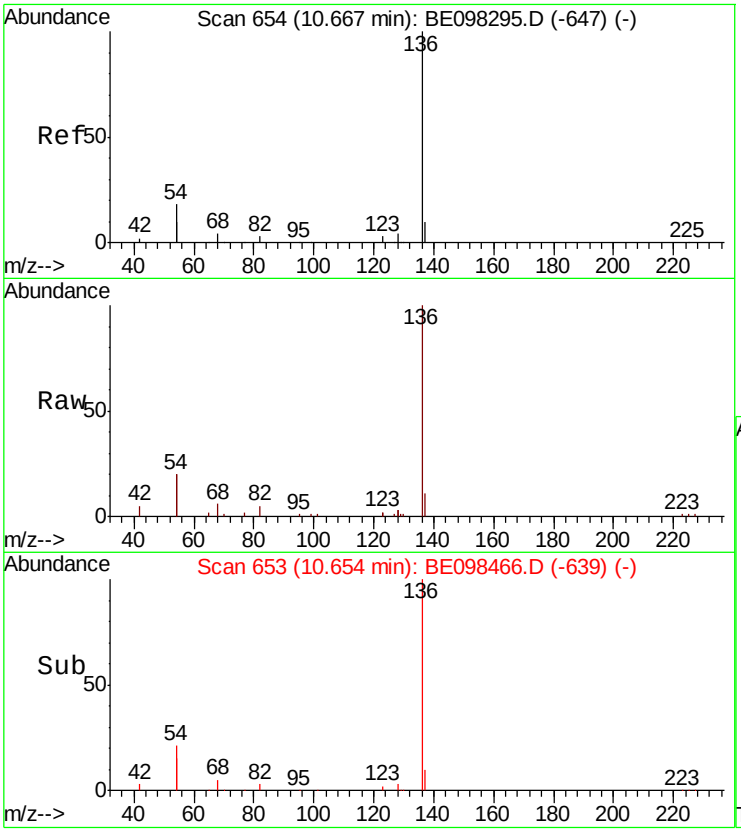


#6
bis(2-Chloroethyl)ether
Concen: 0.353 ng
RT: 7.28 min Scan# 383
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion: 93 Resp: 2016

Ion	Ratio	Lower	Upper
93	100		
63	322.8	264.4	396.6
95	35.8	26.6	40.0



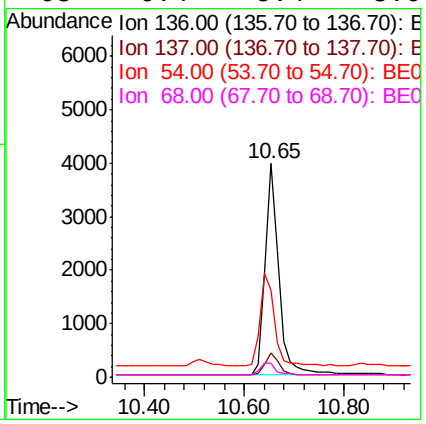


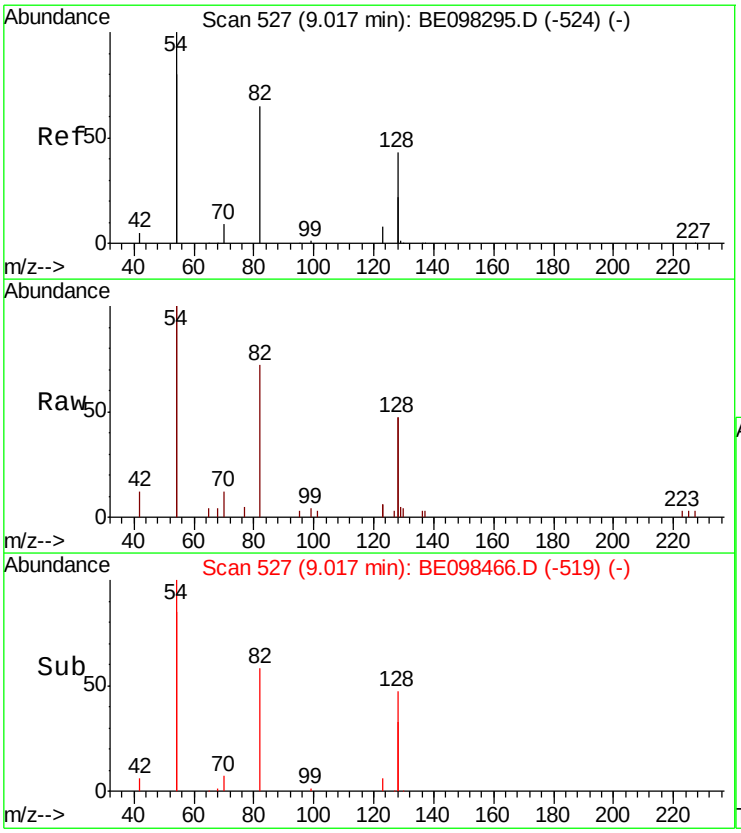
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 7624

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	40.9	28.4	42.6
68	6.4	5.4	8.0

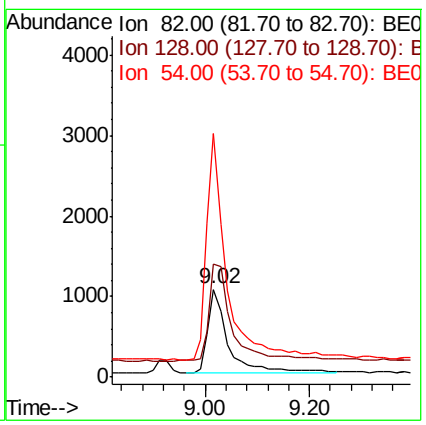


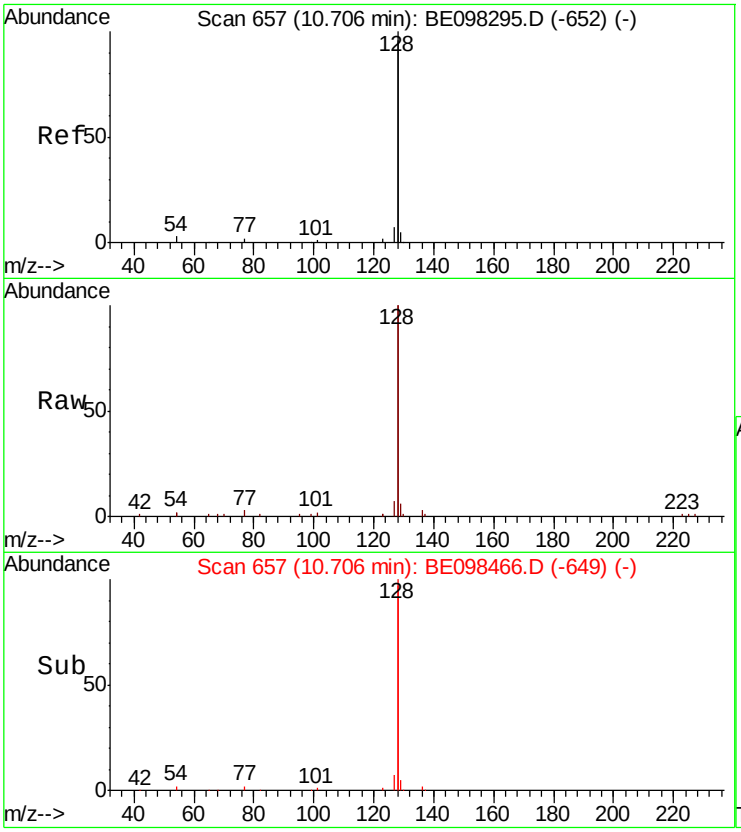


#8
Nitrobenzene-d5
Concen: 0.415 ng
RT: 9.02 min Scan# 527
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion: 82 Resp: 2882

Ion	Ratio	Lower	Upper
82	100		
128	128.8	102.4	153.6
54	276.7	221.8	332.8



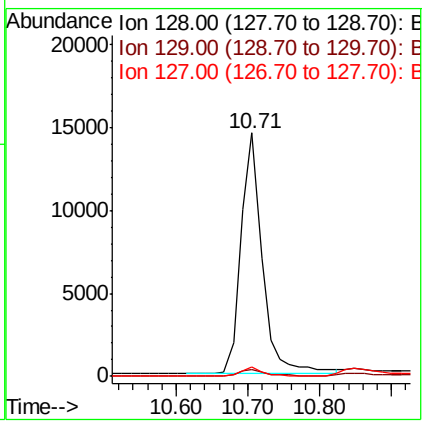


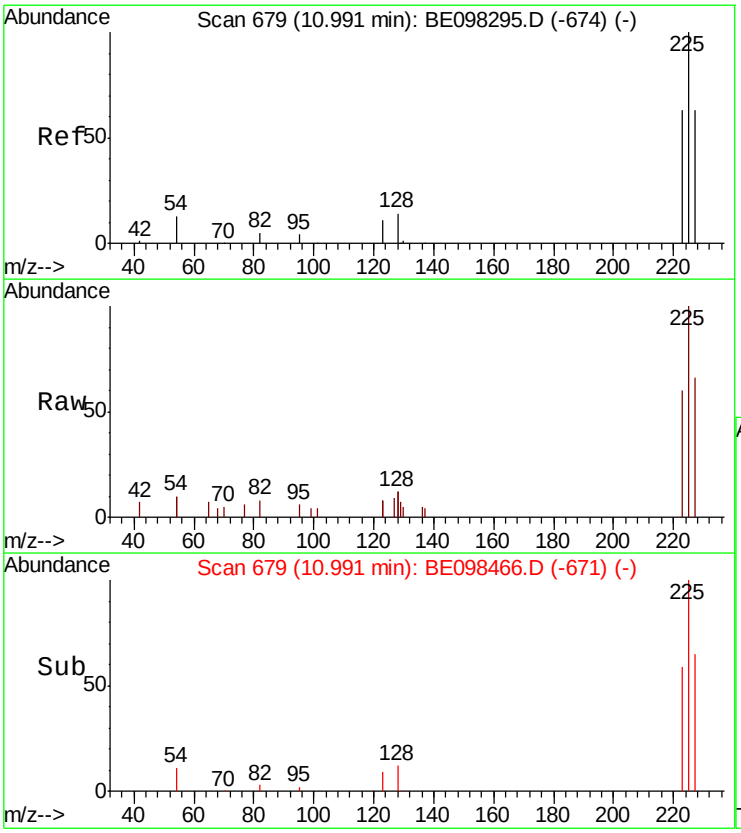
#9
Naphthalene
Concen: 0.386 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 29593

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.5	3.7
127	3.6	2.7	4.1

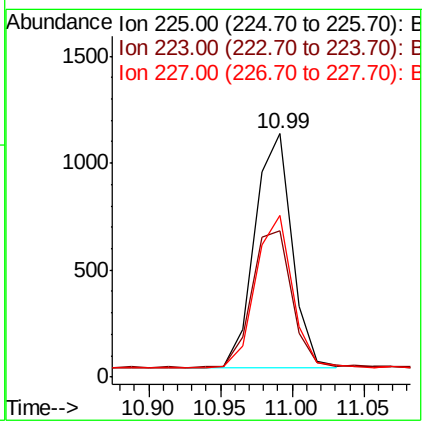


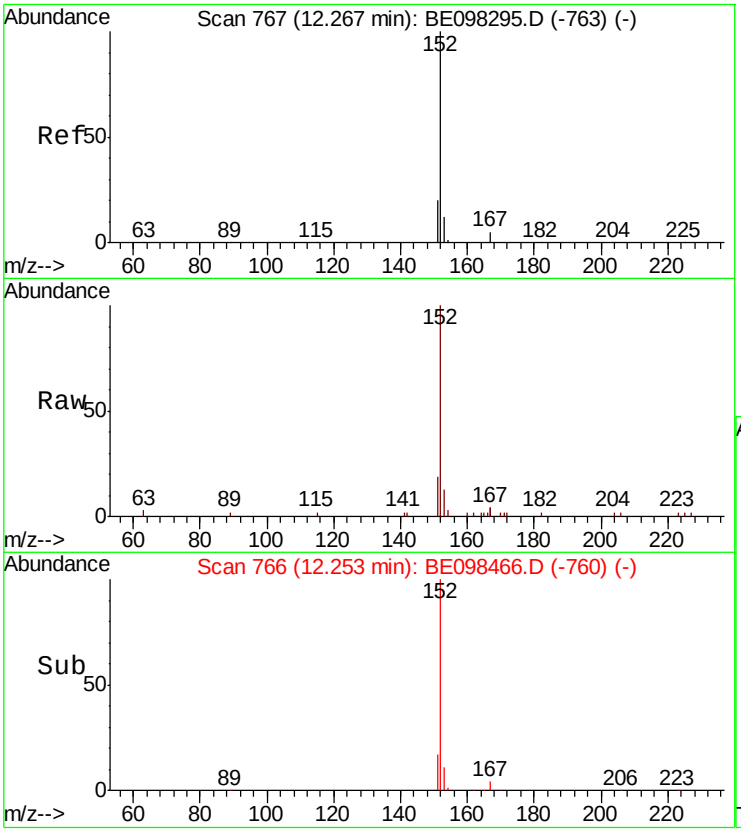


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:225 Resp: 1967

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.0
227	64.1	52.0	78.0



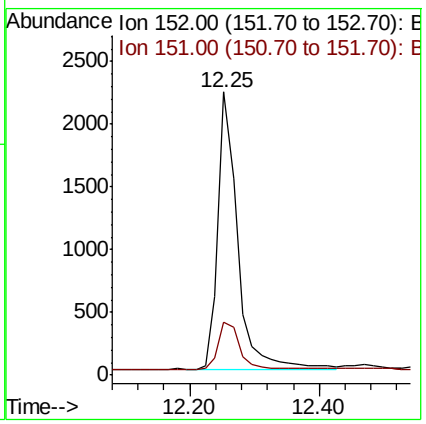


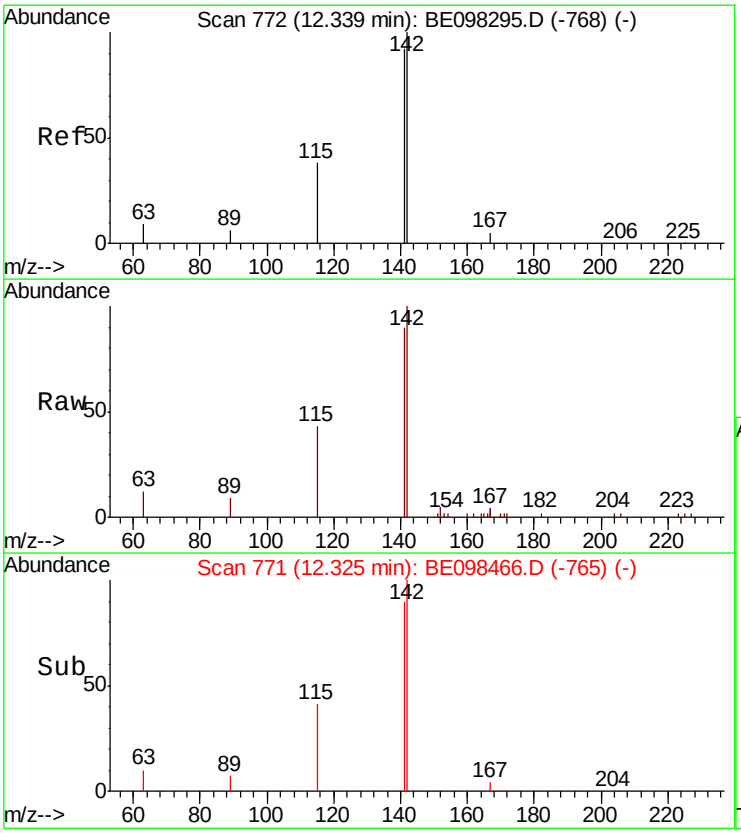
#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4663

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4

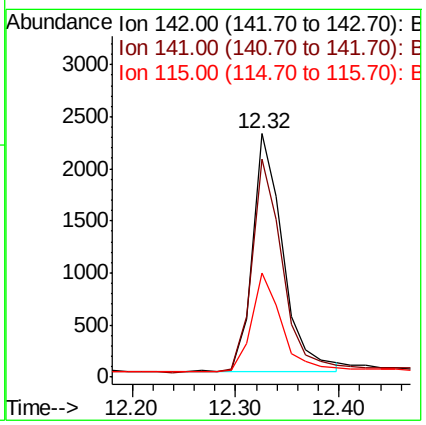


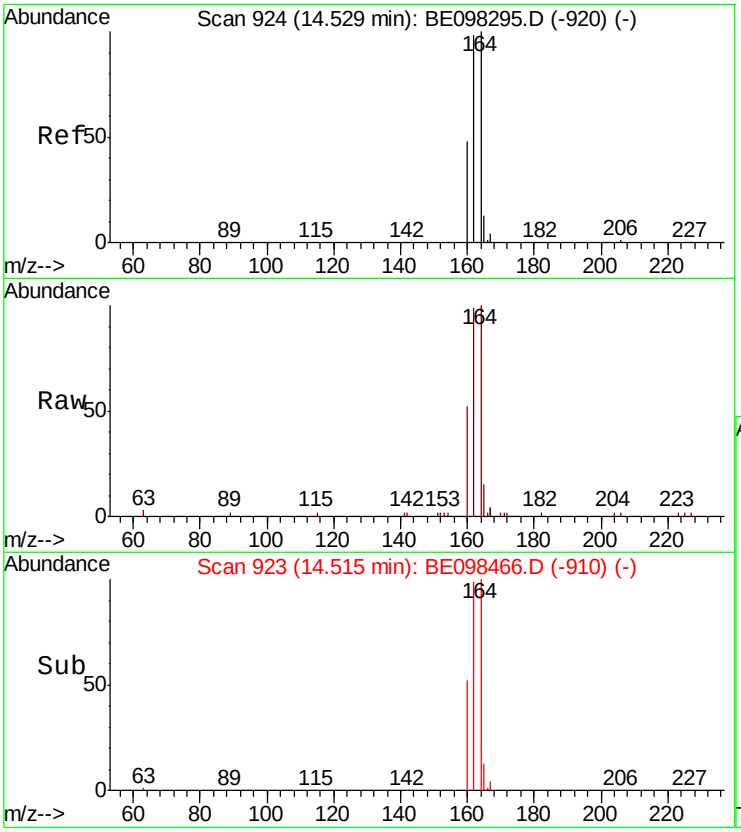


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:142 Resp: 4671

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	42.6	32.2	48.2



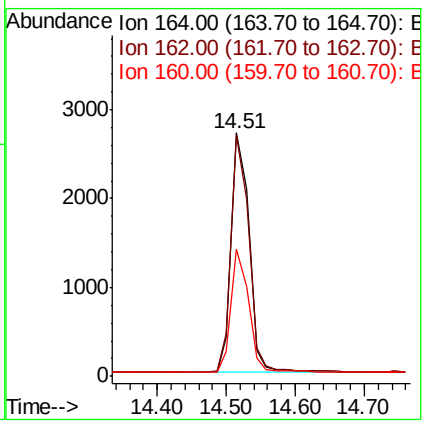


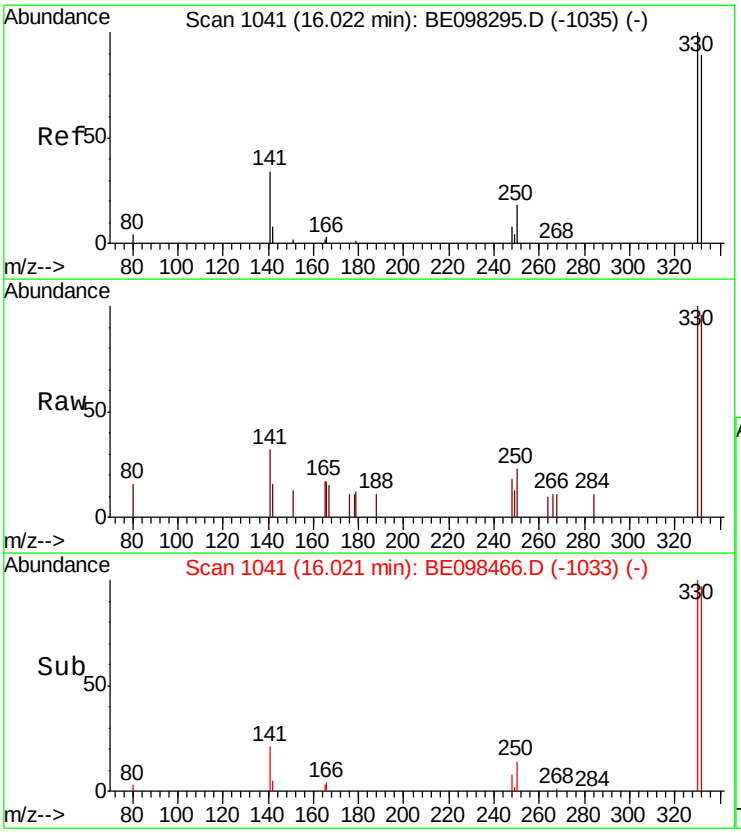
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4834

Ion	Ratio	Lower	Upper
164	100		
162	99.1	77.6	116.4
160	52.4	36.0	54.0

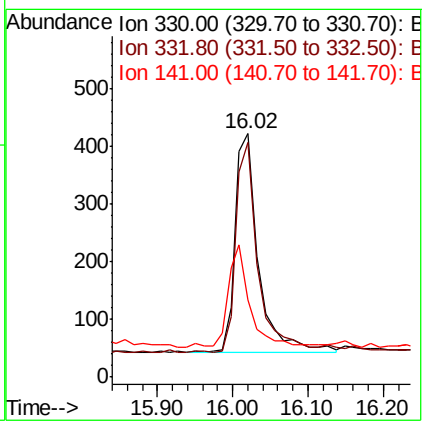


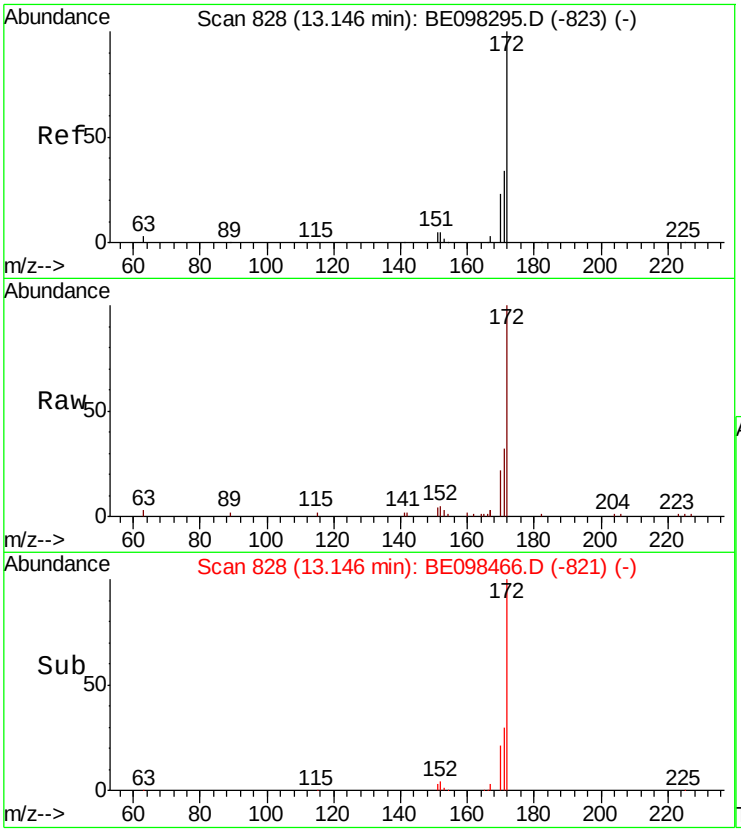


#14
2,4,6-Tribromophenol
Concen: 0.462 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:330 Resp: 820

Ion	Ratio	Lower	Upper
330	100		
332	91.5	76.2	114.4
141	44.5	39.0	58.4



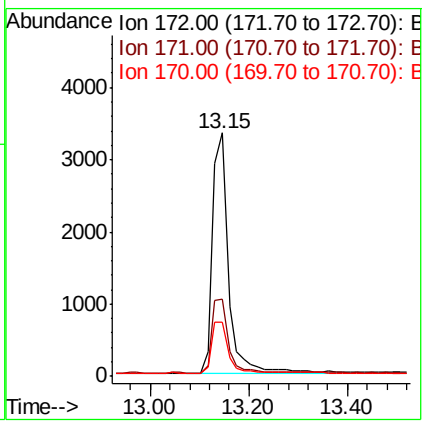


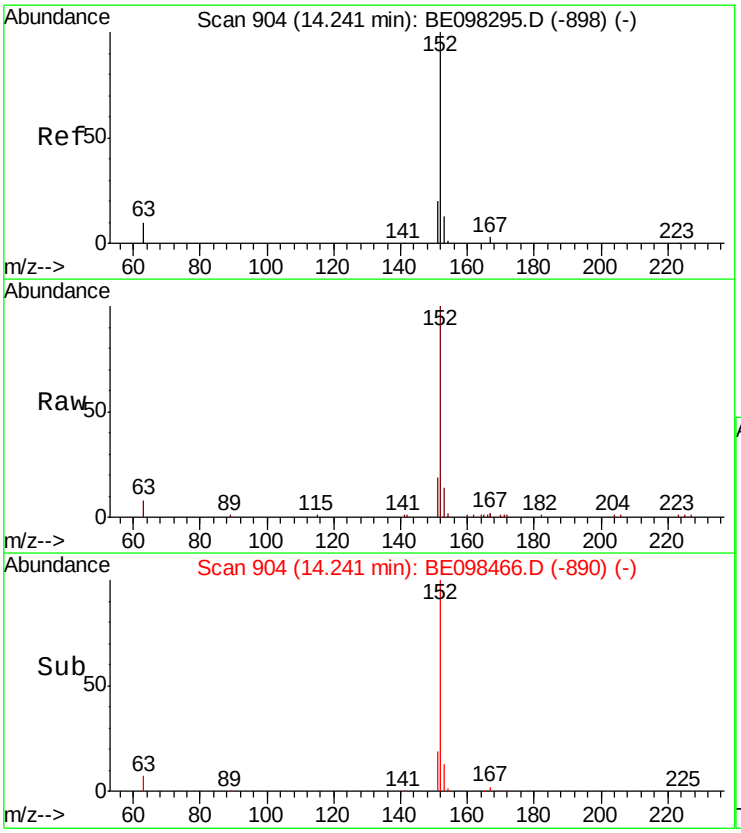
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7329

Ion	Ratio	Lower	Upper
172	100		
171	31.6	27.5	41.3
170	22.1	19.6	29.4

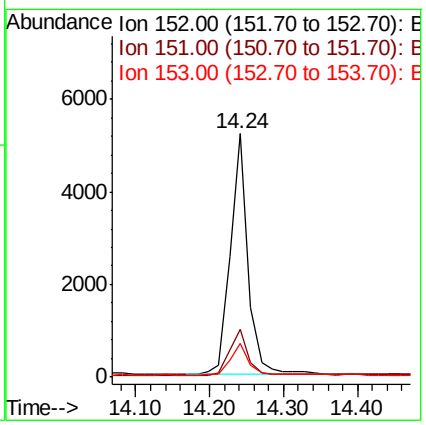


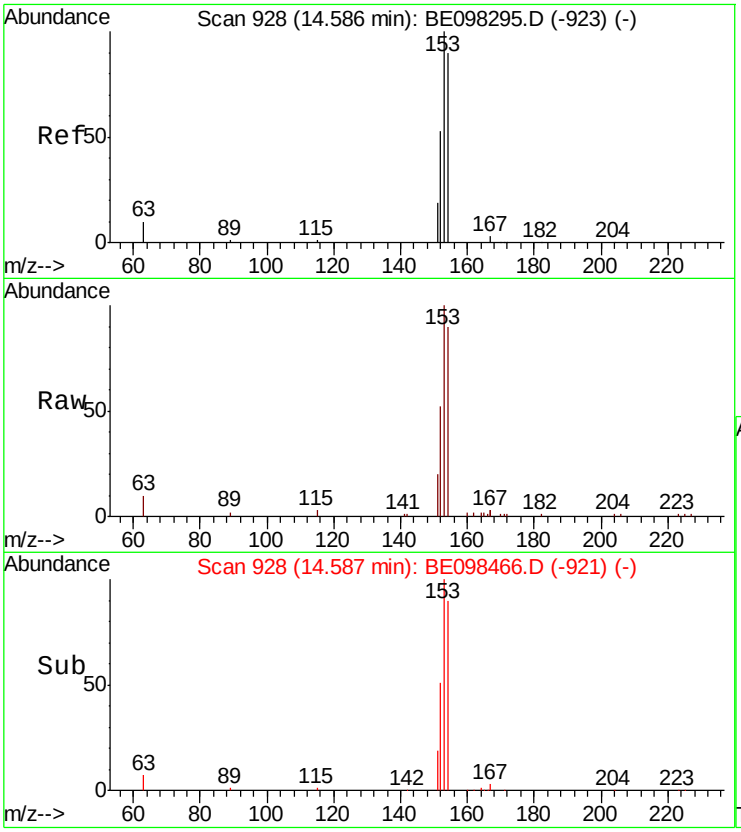


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:152 Resp: 8725

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	13.0	10.6	16.0



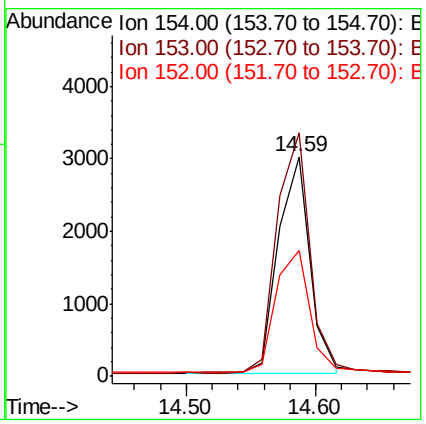


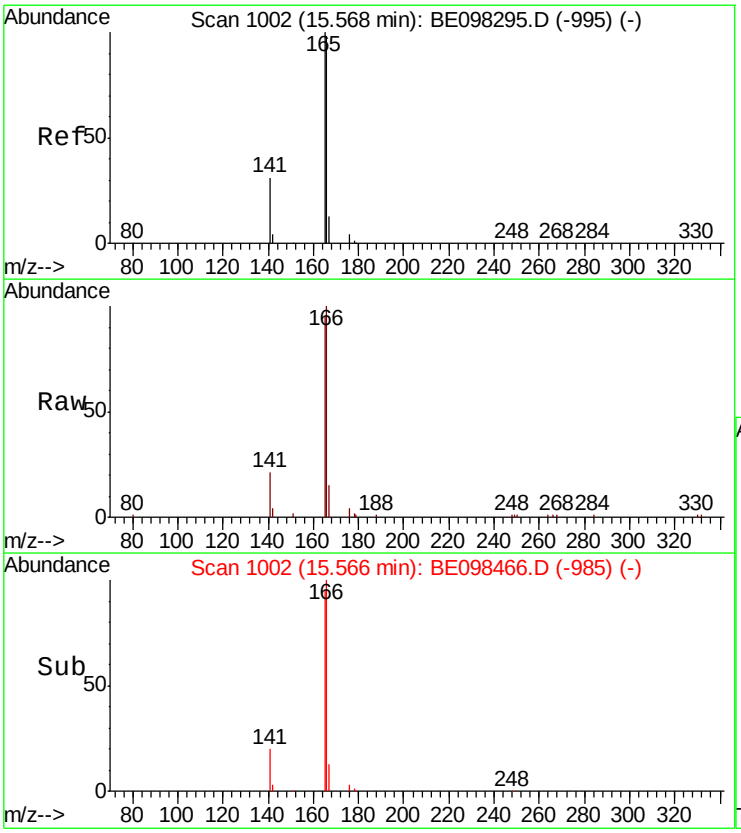
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5106

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.8	137.6
152	59.8	45.5	68.3

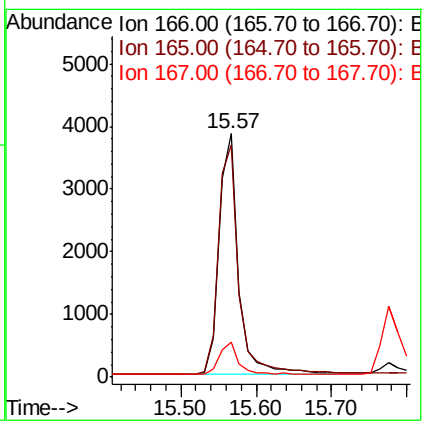


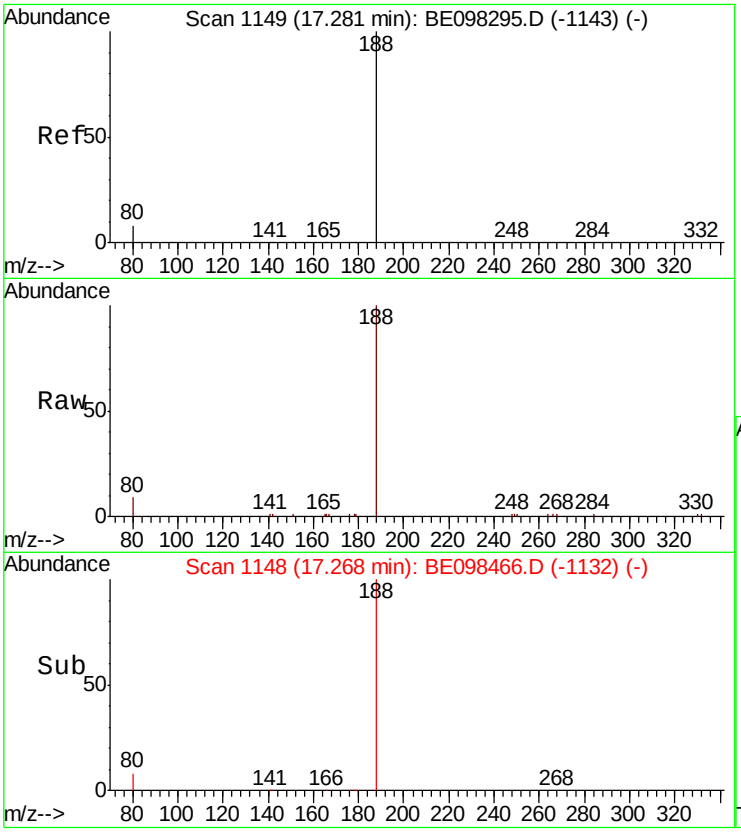


#18
Fluorene
Concen: 0.382 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:166 Resp: 6950

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.3	118.9
167	13.1	11.3	16.9



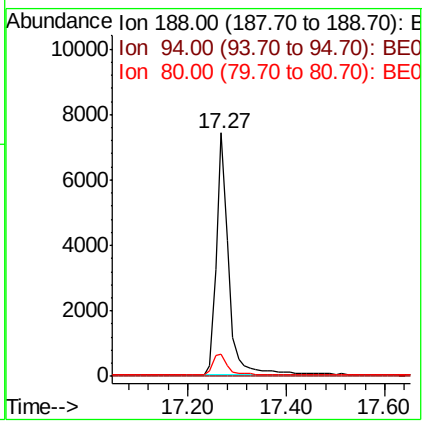


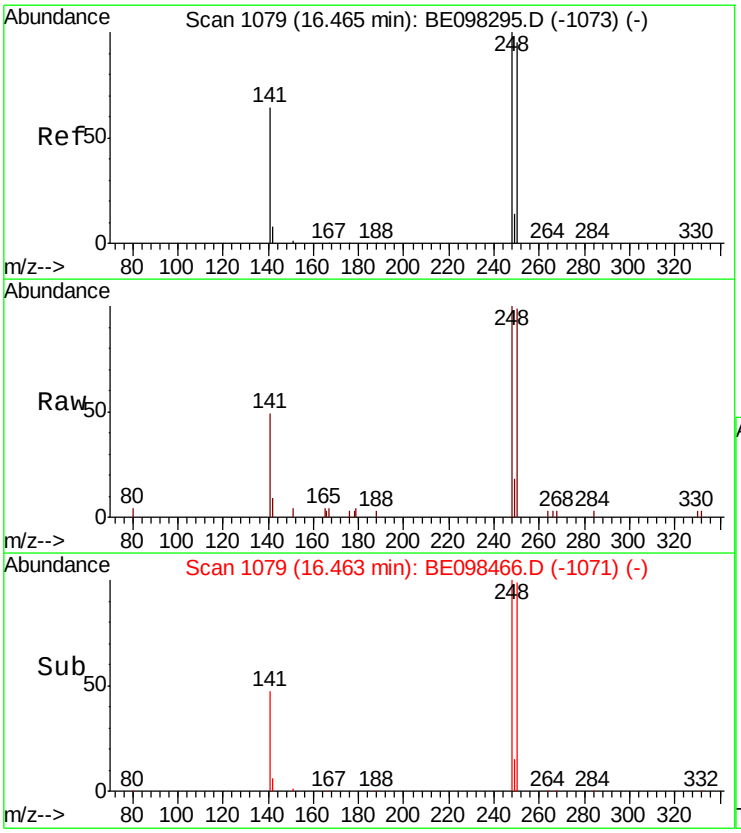
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 12783

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.2	10.8

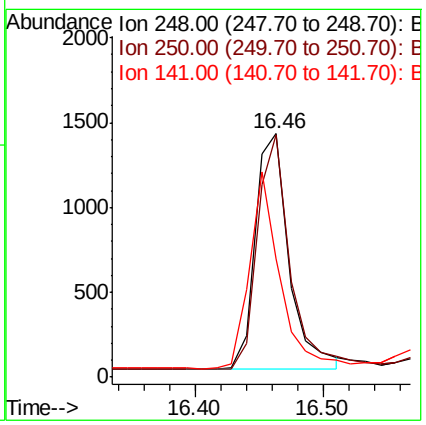


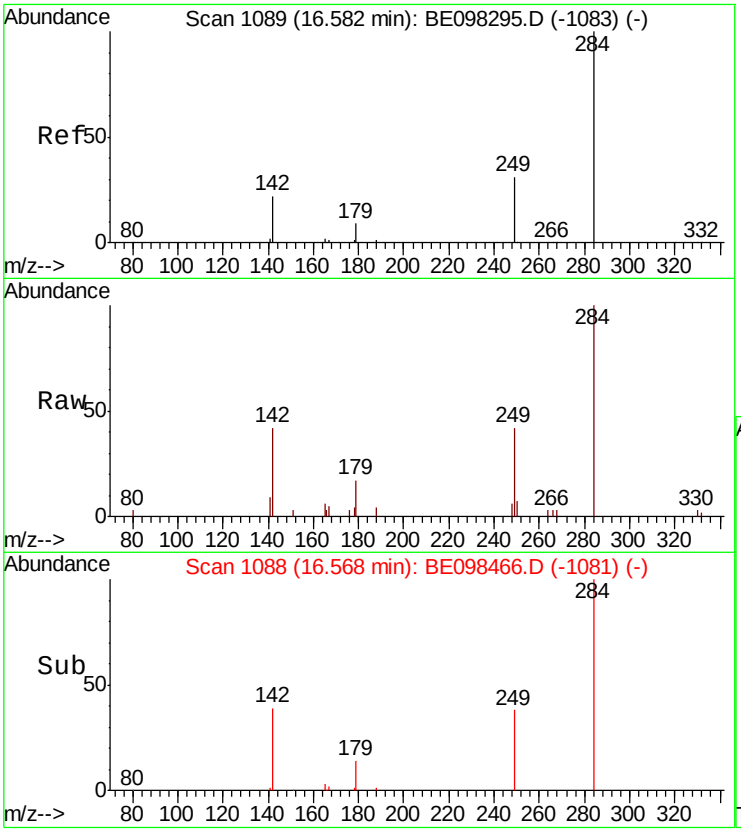


#20
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:248 Resp: 2585

Ion	Ratio	Lower	Upper
248	100		
250	99.4	71.0	106.6
141	48.7	62.1	93.1#



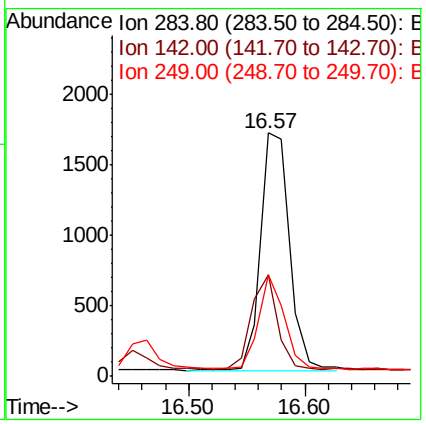


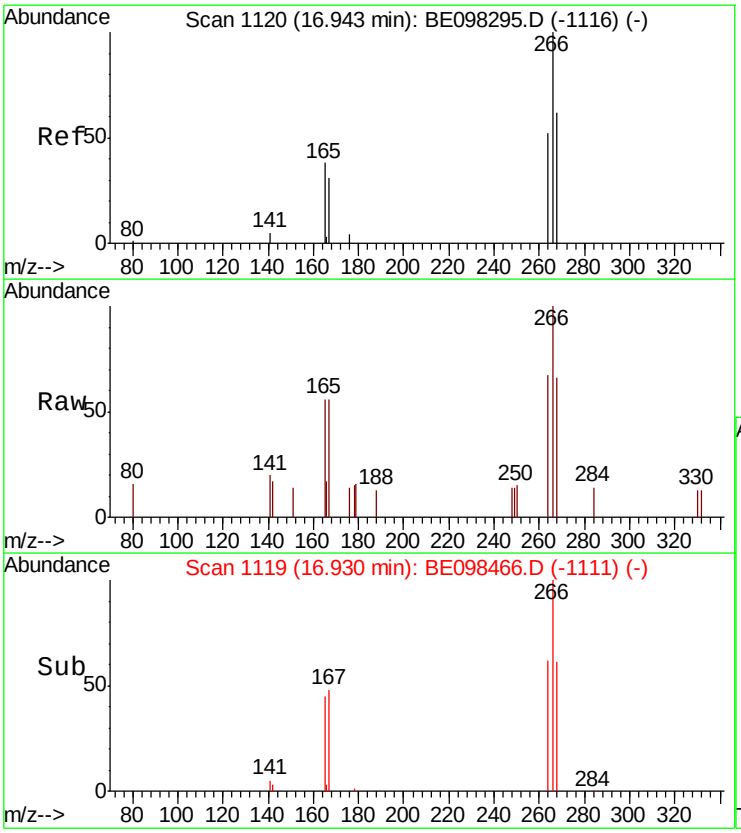
#21
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2926

Ion	Ratio	Lower	Upper
284	100		
142	35.3	26.3	39.5
249	34.3	26.0	39.0

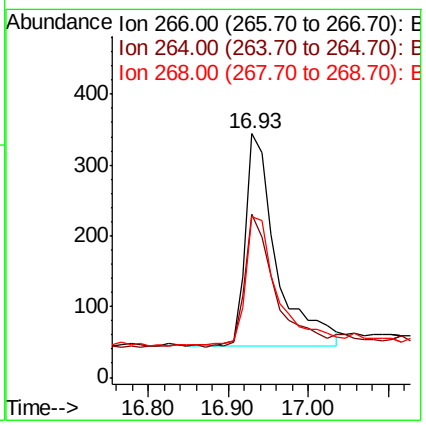


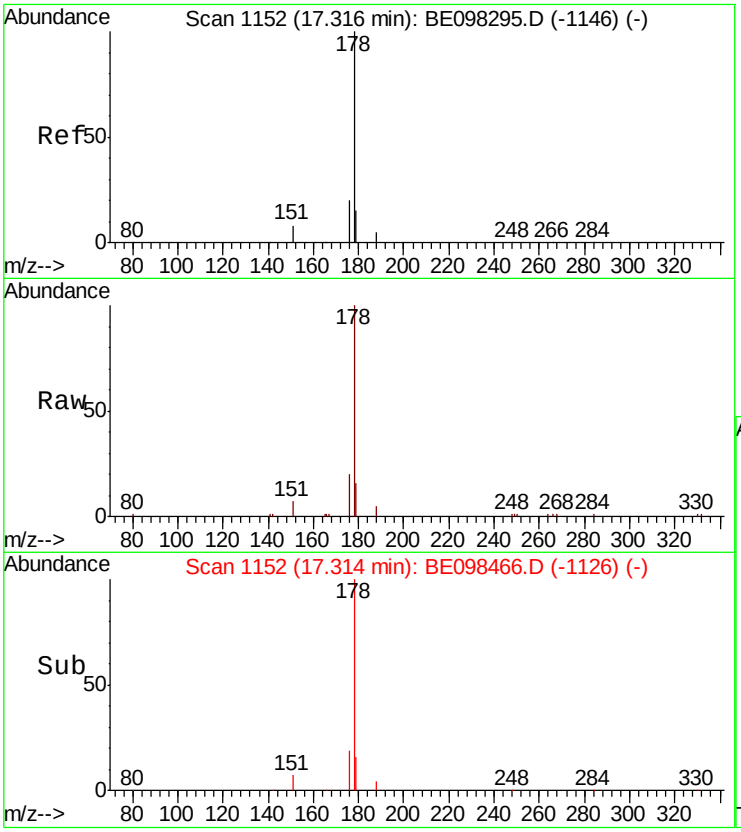


#22
Pentachlorophenol
Concen: 0.629 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:266 Resp: 809

Ion	Ratio	Lower	Upper
266	100		
264	67.2	59.0	88.4
268	66.0	55.1	82.7



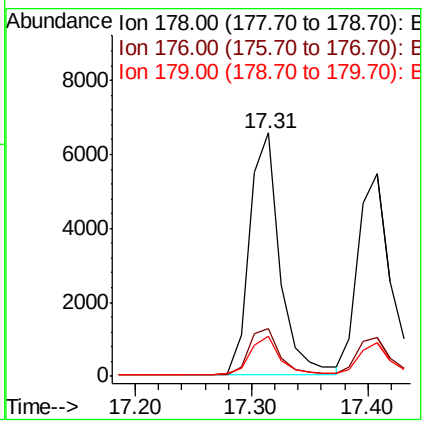


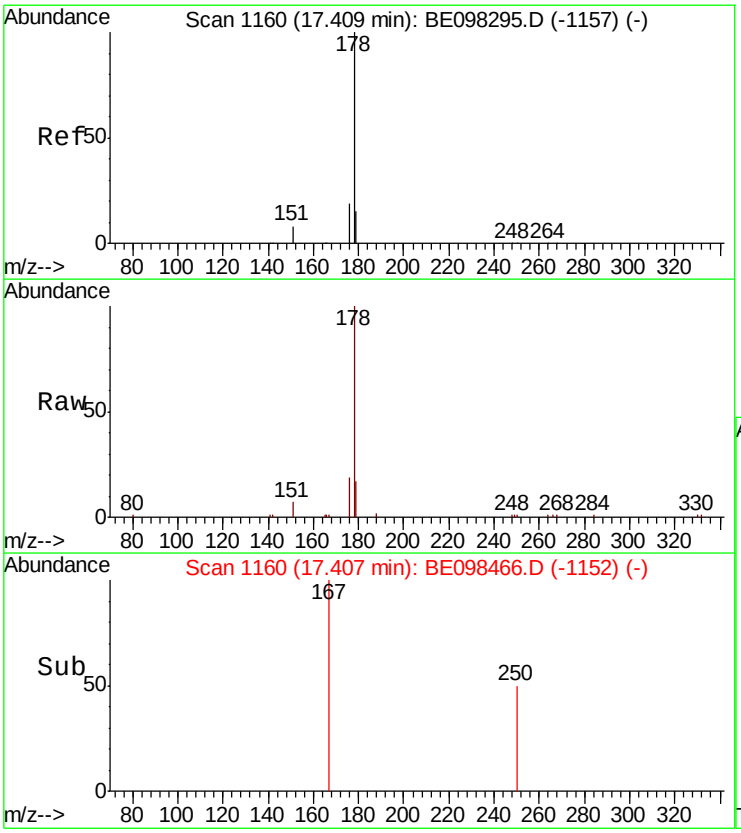
#23
Phenanthrene
Concen: 0.382 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 11877

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.6	12.3	18.5

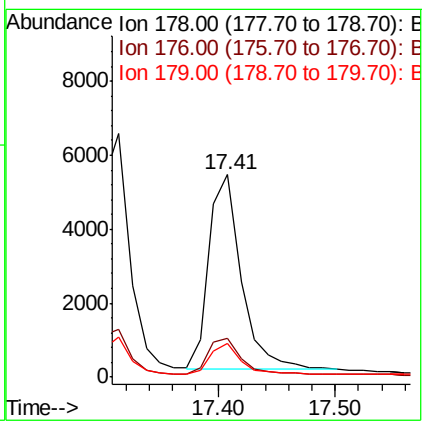


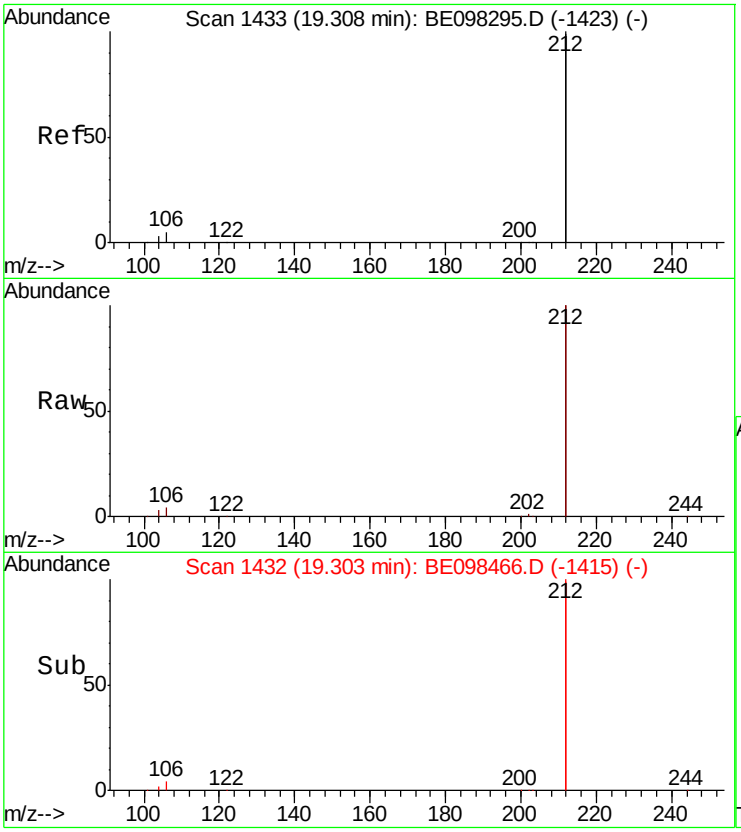


#24
Anthracene
Concen: 0.368 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:178 Resp: 10204

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.2	12.3	18.5



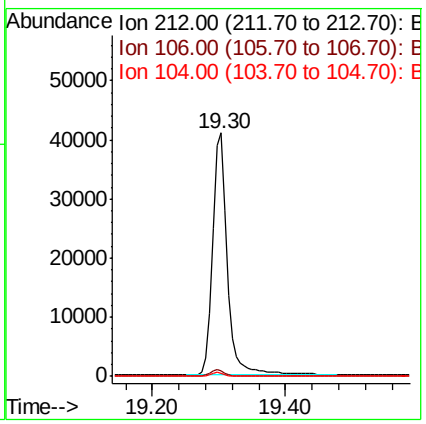


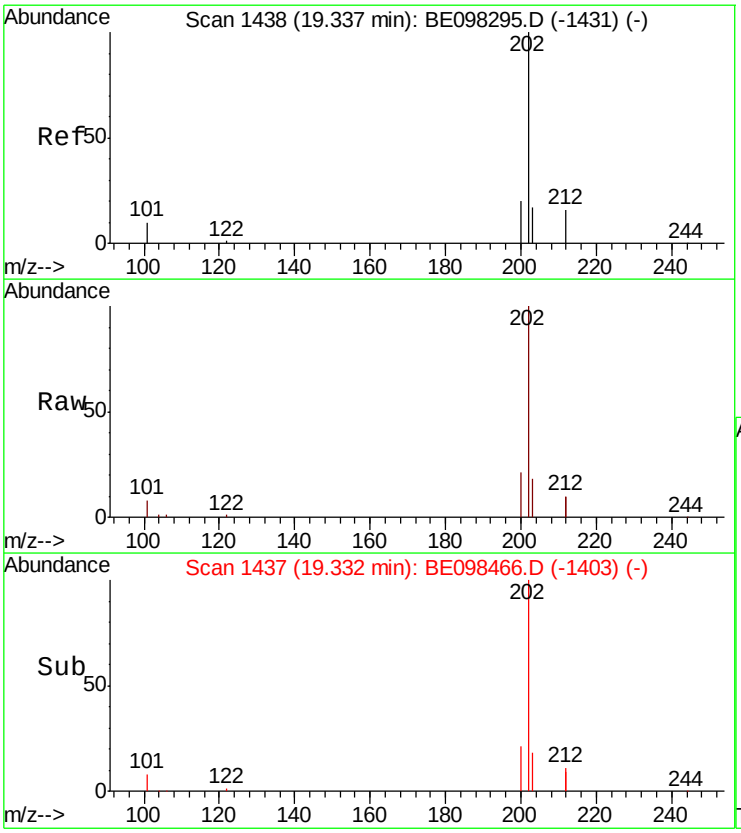
#25
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 63121

Ion	Ratio	Lower	Upper
212	100		
106	2.4	2.2	3.2
104	1.4	1.3	1.9

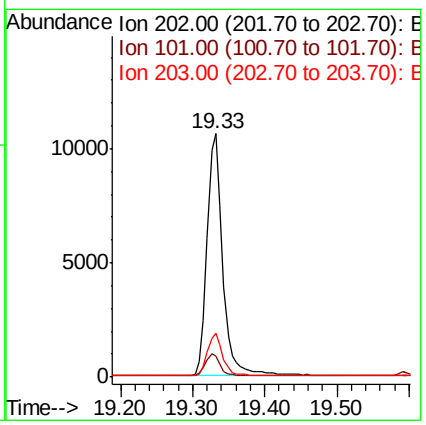


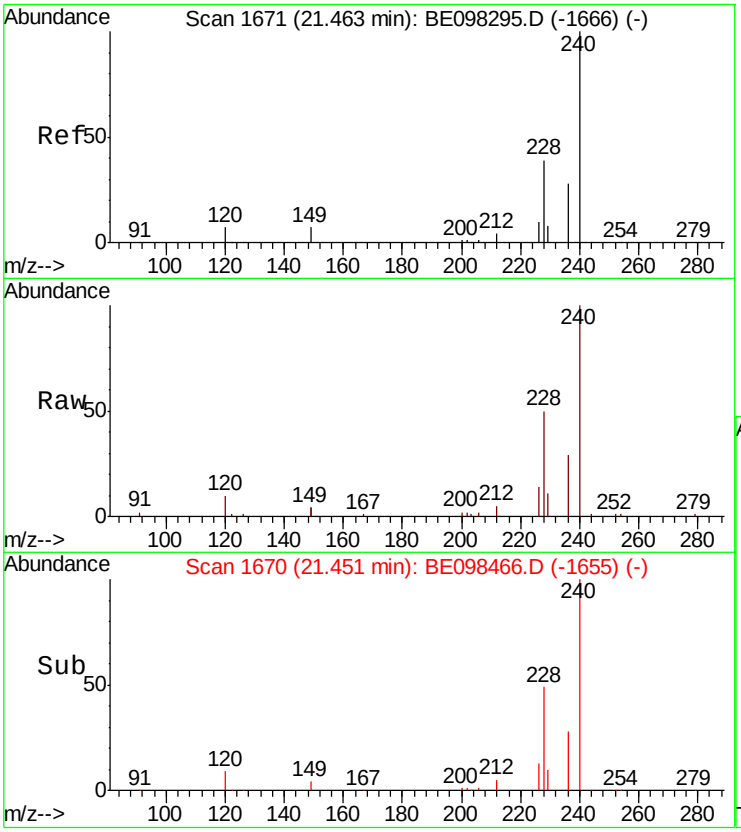


#26
Fluoranthene
Concen: 0.390 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:202 Resp: 16027

Ion	Ratio	Lower	Upper
202	100		
101	9.1	8.0	12.0
203	17.2	13.8	20.6



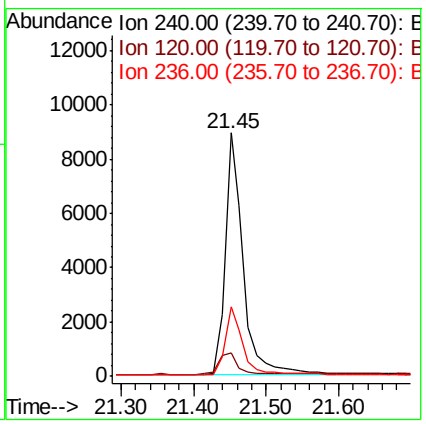


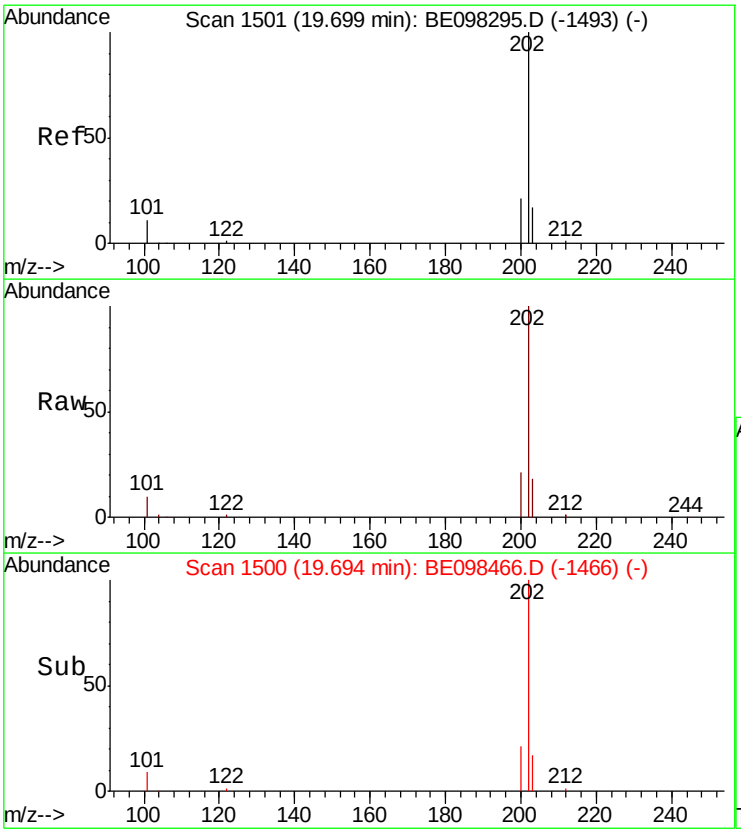
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 15626

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.5	14.3
236	28.6	22.7	34.1

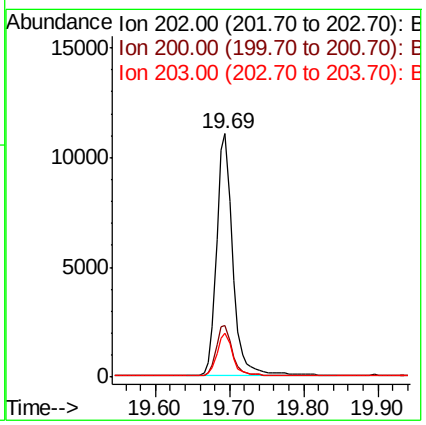


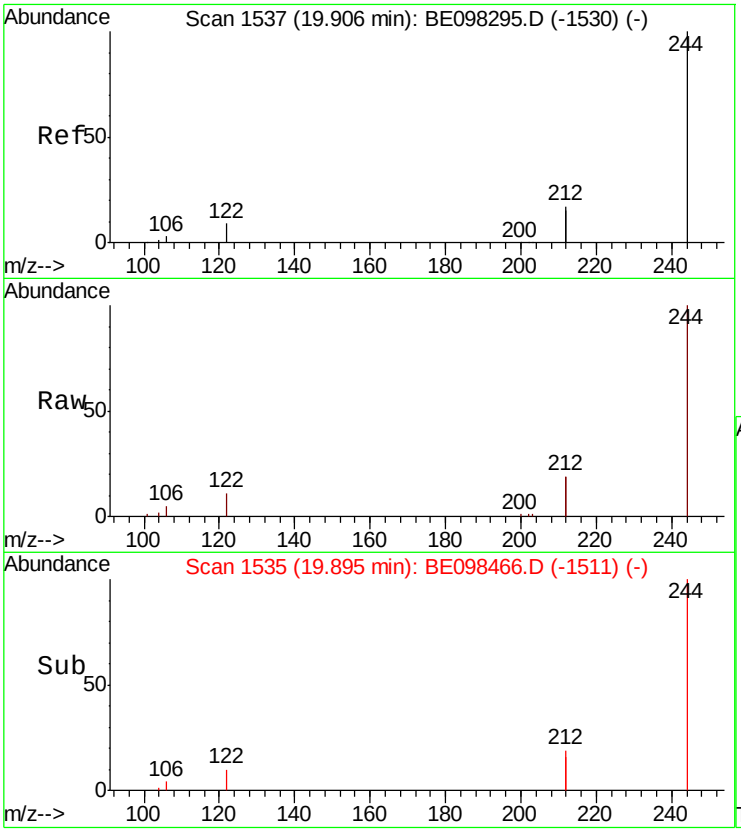


#28
Pyrene
Concen: 0.343 ng
RT: 19.69 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:202 Resp: 16793

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.0	14.1	21.1



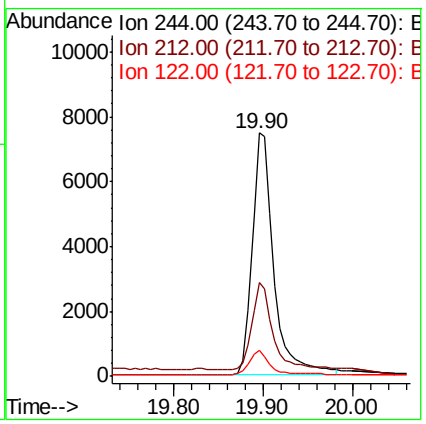


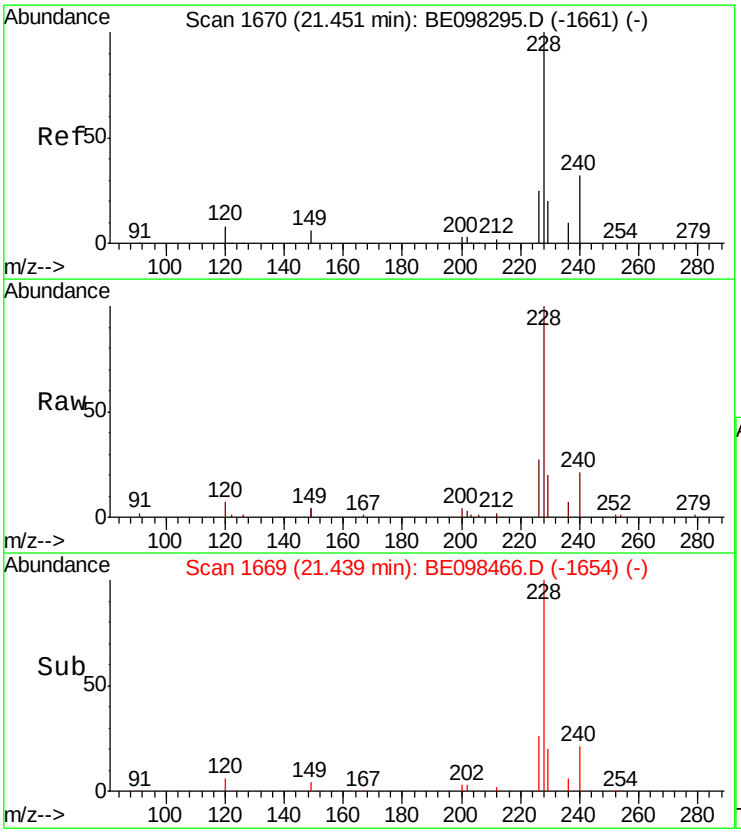
#29
Terphenyl-d14
Concen: 0.320 ng
RT: 19.90 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 12139

Ion	Ratio	Lower	Upper
244	100		
212	38.5	27.4	41.0
122	10.8	8.3	12.5

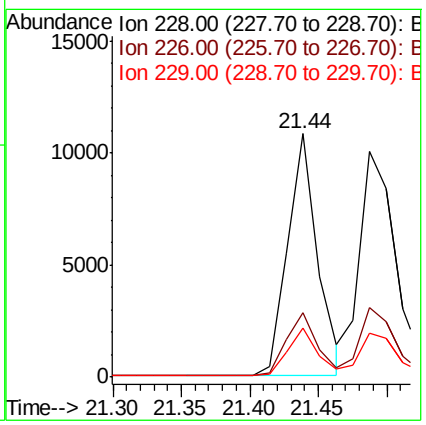


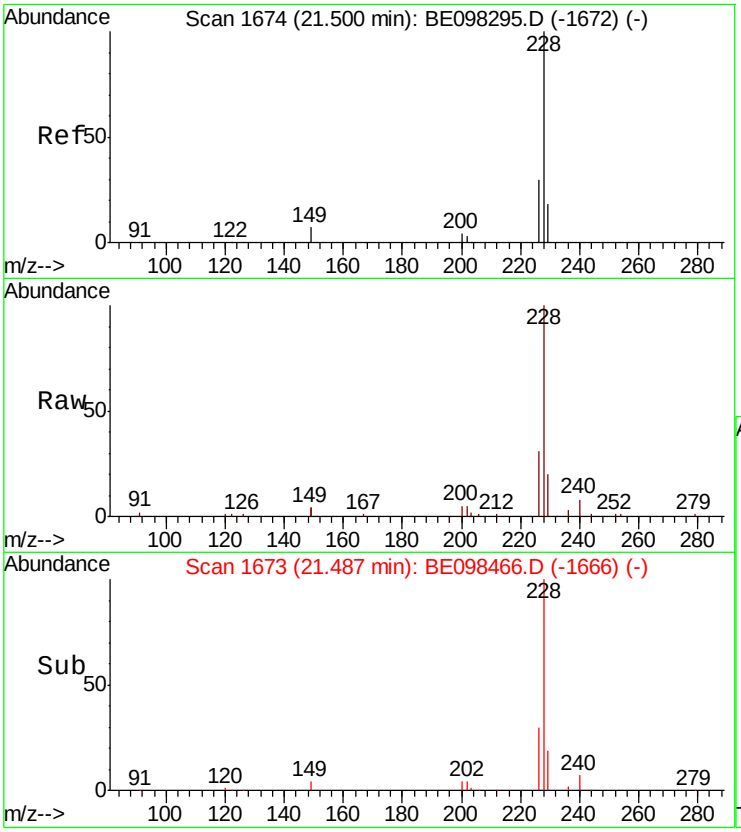


#30
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:228 Resp: 16306

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	20.0	16.3	24.5



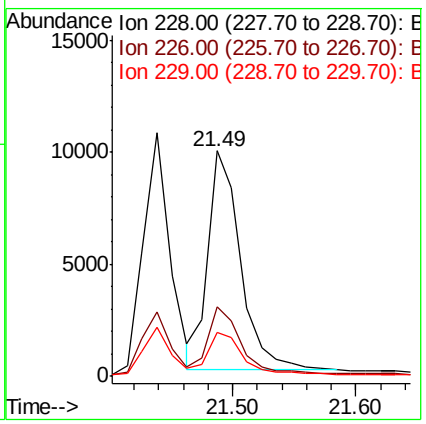


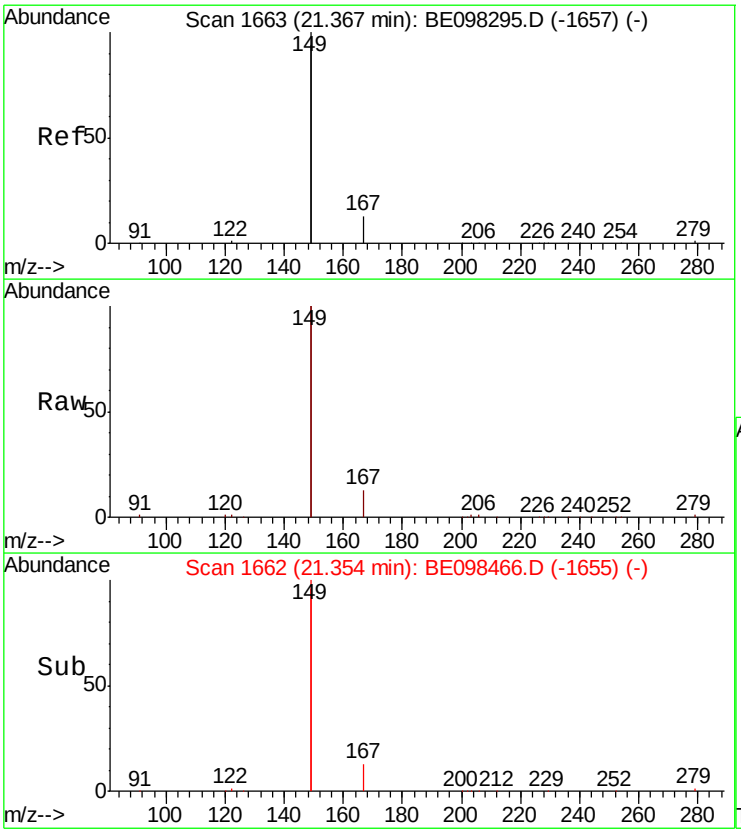
#31
Chrysene
Concen: 0.384 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 17890

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.0
229	19.8	16.2	24.4

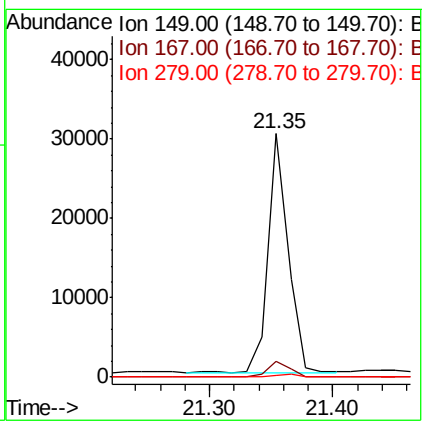


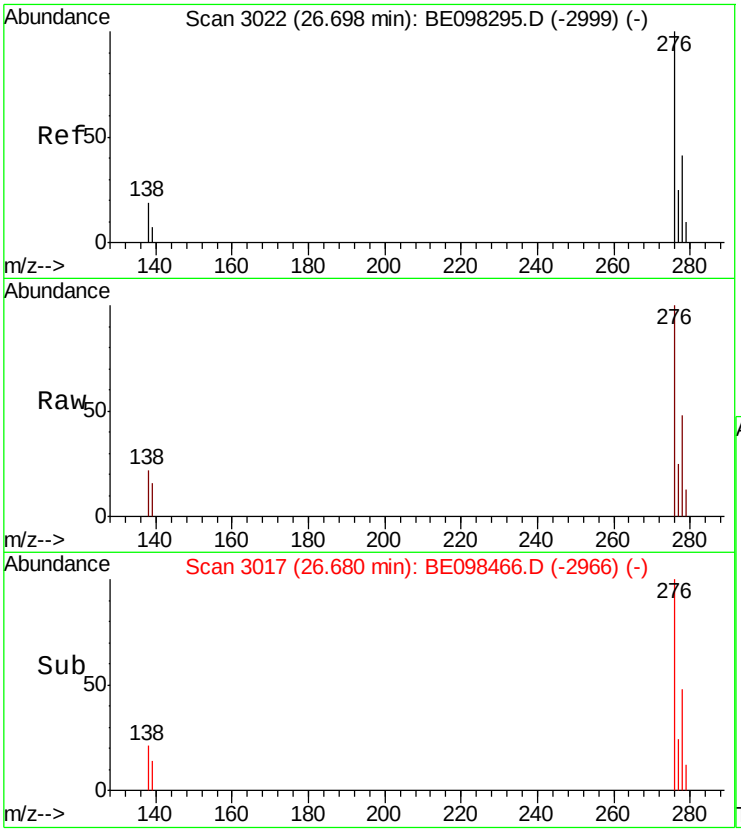


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.381 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:149 Resp: 34421

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.7	8.5
279	1.1	1.0	1.4



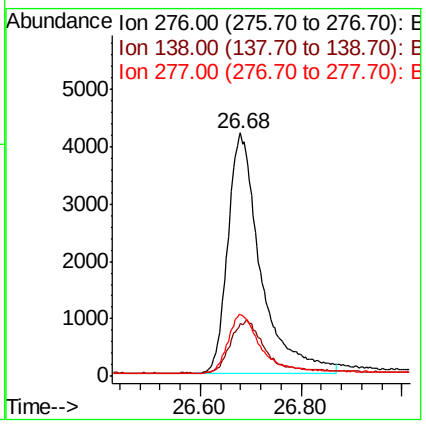


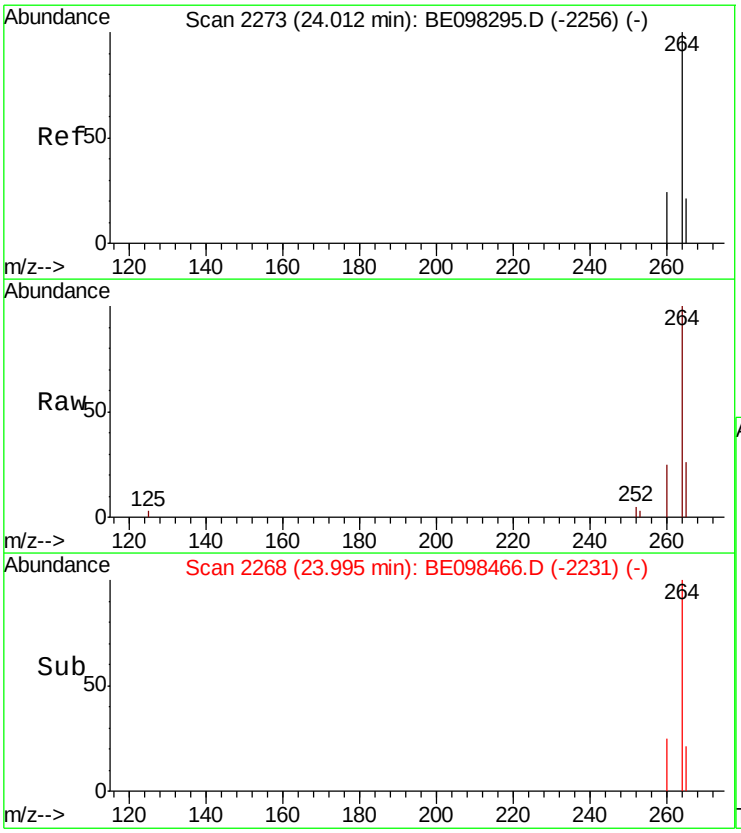
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.411 ng
RT: 26.68 min Scan# 3017
Delta R.T. -0.02 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 19042

Ion	Ratio	Lower	Upper
276	100		
138	22.2	16.3	24.5
277	24.4	20.2	30.4

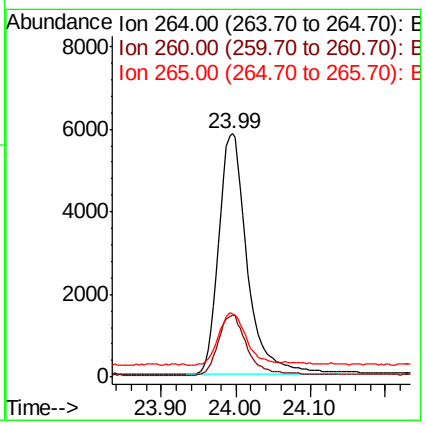


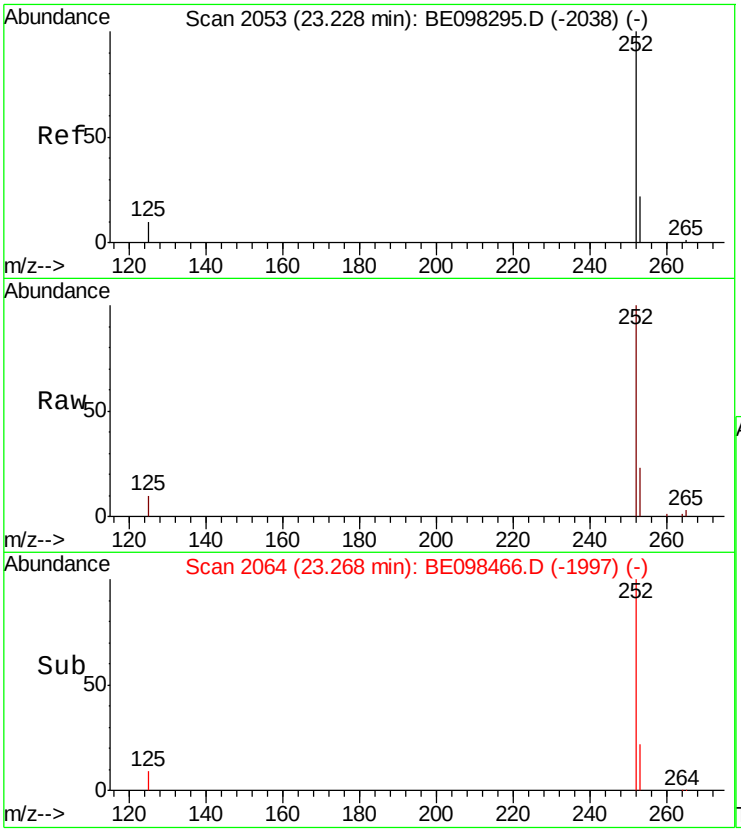


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:264 Resp: 15472

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.2	30.2
265	25.7	25.2	37.8



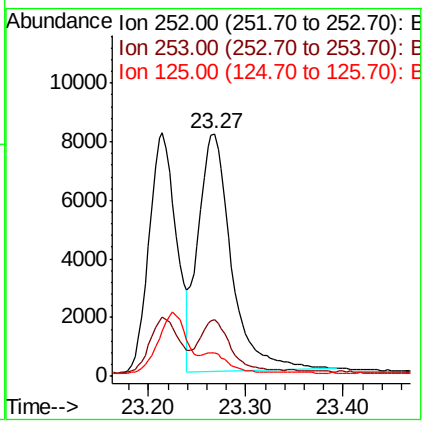


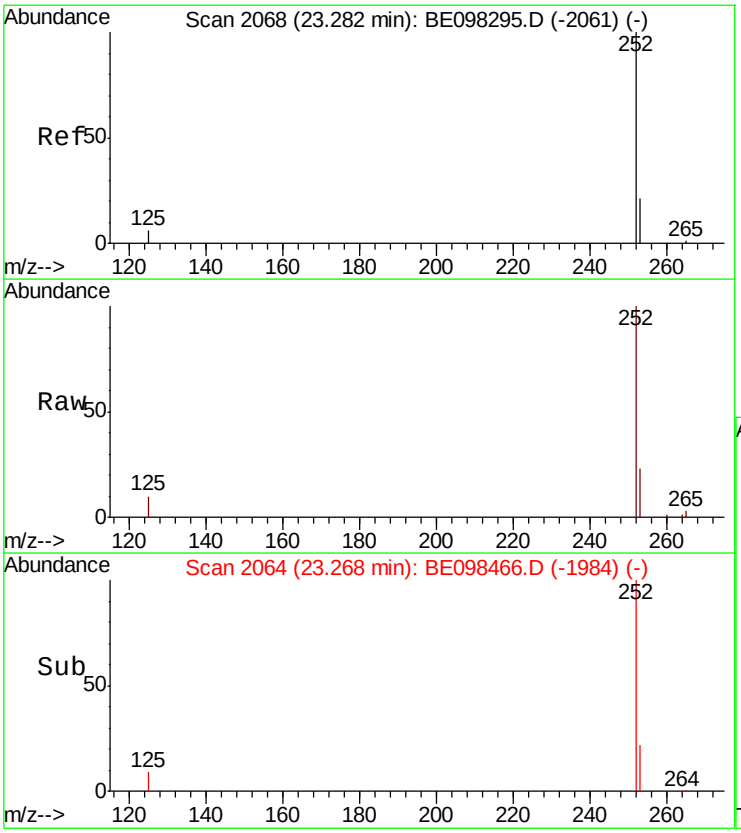
#35
Benzo(b)fluoranthene
Concen: 0.454 ng
RT: 23.27 min Scan# 2064
Delta R.T. 0.04 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19200

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.0	30.0
125	9.9	9.6	14.4

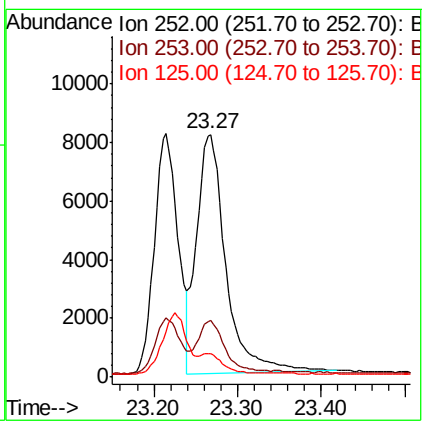


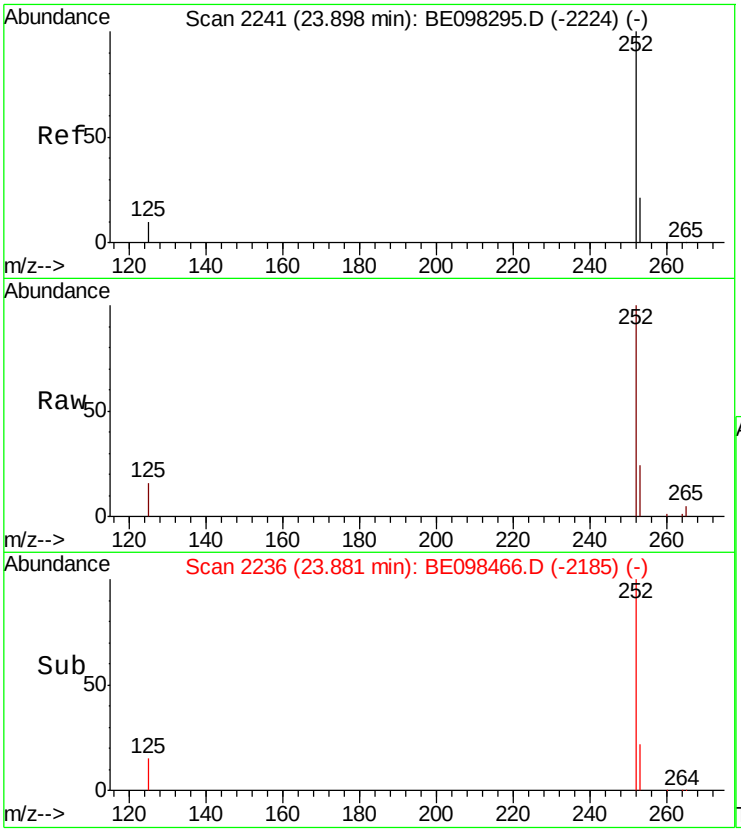


#36
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 23.27 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:252 Resp: 19683

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	9.9	9.1	13.7



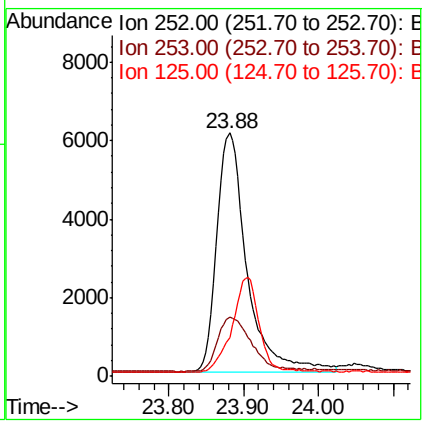


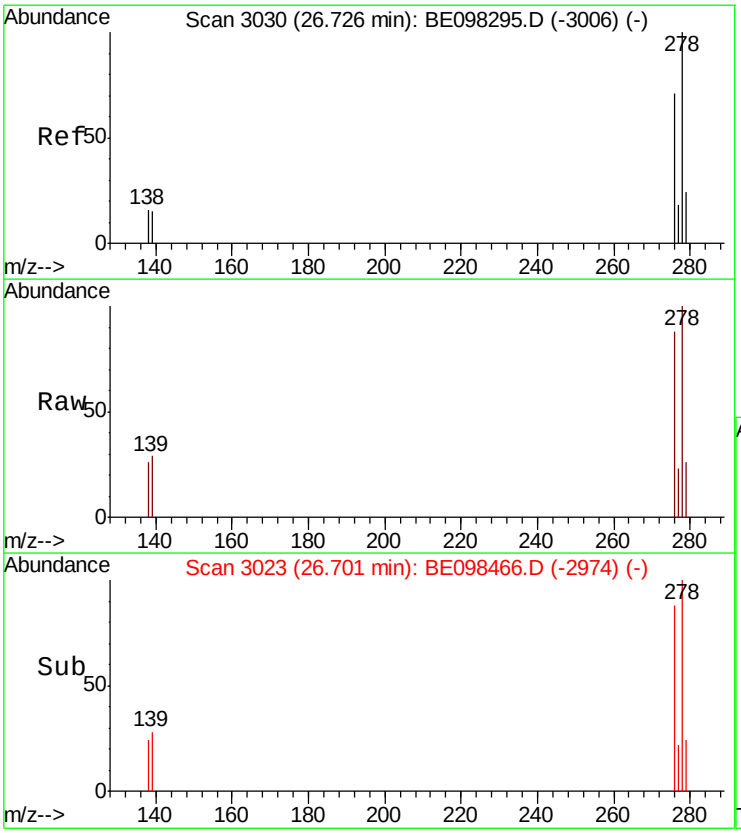
#37
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.88 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 17142

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.6	30.8
125	16.0	10.5	15.7#

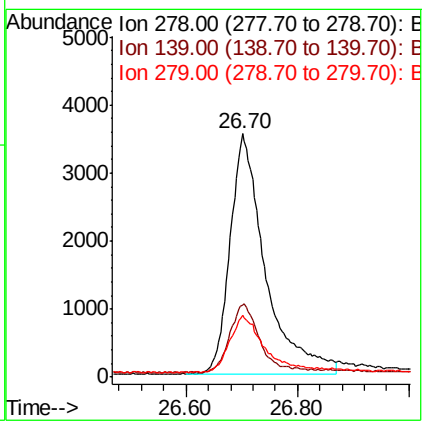


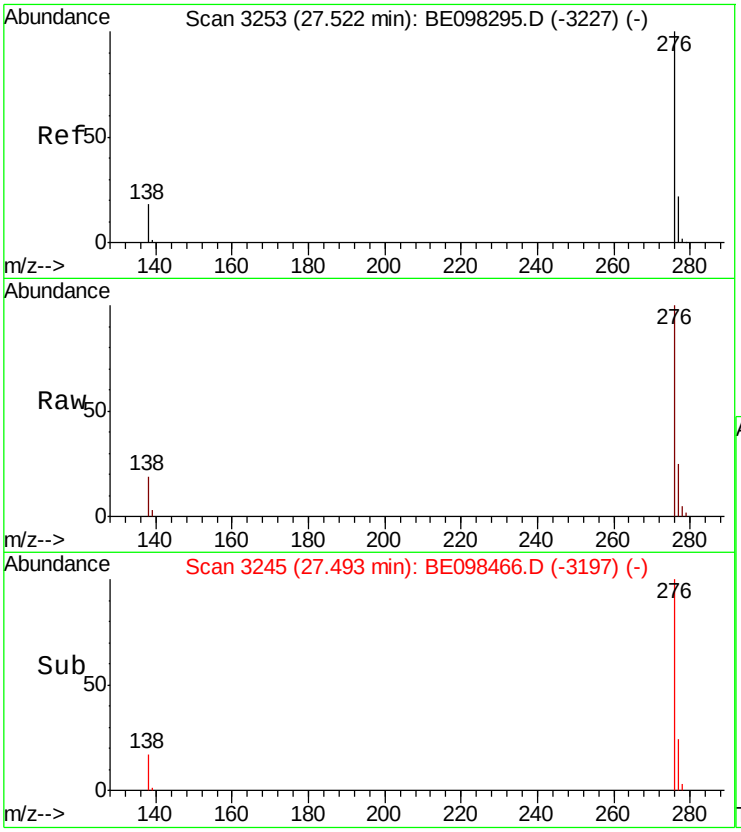


#38
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 26.70 min Scan# 3023
Delta R.T. -0.02 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Tgt Ion:278 Resp: 15450

Ion	Ratio	Lower	Upper
278	100		
139	29.5	14.5	21.7#
279	25.6	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.384 ng
RT: 27.49 min Scan# 3245
Delta R.T. -0.03 min
Lab File: BE098466.D
Acq: 15 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 15920

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.8	31.2
138	18.8	15.8	23.6