Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
Data File : BE098646.D
Acq On : 17 Jan 2019 9:18
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jan 17 12:40:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	971	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4235	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	2926	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	6928	0.40	ng		0.00
27) Chrysene-d12	21.41	240	7923	0.40	ng		0.00
34) Perylene-d12	23.92	264	7717	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	1015	0.39	ng		0.00
5) Phenol-d6	7.00	99	1460	0.40	ng		0.00
8) Nitrobenzene-d5	8.97	82	1426	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	2814	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	490	0.38	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	4265	0.36	ng		0.00
25) Fluoranthene-d10	19.26	212	32459	0.38	ng		0.00
29) Terphenyl-d14	19.86	244	6510	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	703	0.391	ng		93
3) n-Nitrosodimethylamine	3.66	42	543	0.391	ng	#	91
6) bis(2-Chloroethyl)ether	7.23	93	963	0.345	ng	#	97
9) Naphthalene	10.65	128	16188	0.384	ng		100
10) Hexachlorobutadiene	10.94	225	1243	0.412	ng		98
12) 2-Methylnaphthalene	12.28	142	2749	0.393	ng		97
16) Acenaphthylene	14.20	152	4576	0.361	ng		99
17) Acenaphthene	14.54	154	2936	0.369	ng		98
18) Fluorene	15.52	166	3805	0.368	ng		98
20) 4-Bromophenyl-phenylether	16.41	248	1397	0.381	ng		93
21) Hexachlorobenzene	16.53	284	1690	0.382	ng		97
22) Pentachlorophenol	16.89	266	541	0.499	ng		97
23) Phenanthrene	17.27	178	5985	0.365	ng		99
24) Anthracene	17.36	178	5044	0.359	ng		99
26) Fluoranthene	19.29	202	7870	0.373	ng		98
28) Pyrene	19.65	202	8195	0.376	ng		100
30) Benzo(a)anthracene	21.39	228	8255	0.388	ng		98
31) Chrysene	21.45	228	8236	0.373	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	16237	0.359	ng		100
33) Indeno(1,2,3-cd)pyrene	26.57	276	8698	0.382	ng		99
35) Benzo(b)fluoranthene	23.15	252	7865	0.374	ng		97
36) Benzo(k)fluoranthene	23.20	252	8647	0.376	ng		98
37) Benzo(a)pyrene	23.81	252	7739	0.374	ng		99
38) Dibenzo(a,h)anthracene	26.59	278	6997	0.382	ng		99
39) Benzo(g,h,i)perylene	27.38	276	7563	0.377	ng		98

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

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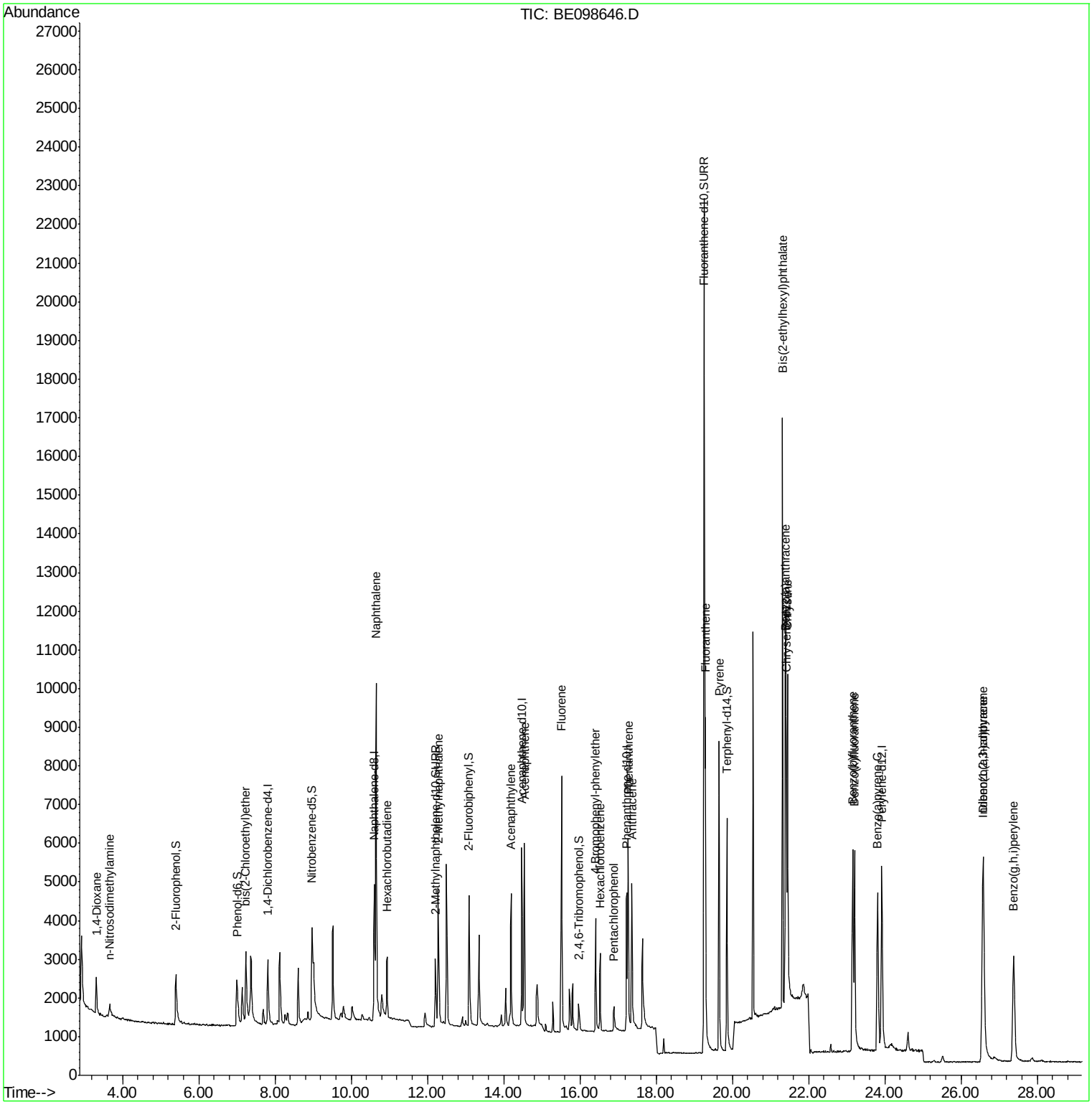
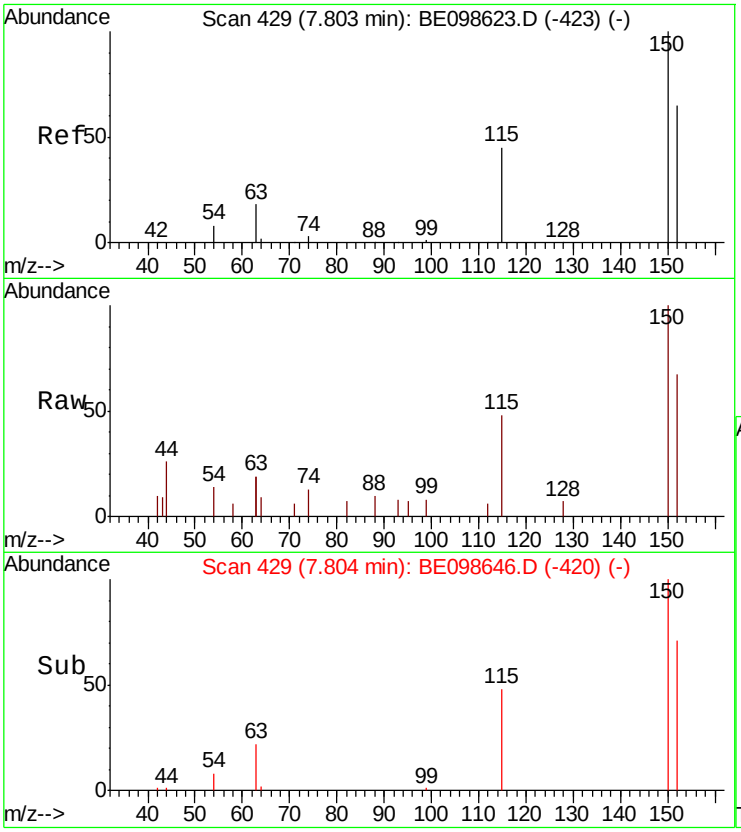
Acq On : 17 Jan 2019 9:18
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 17 12:40:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration



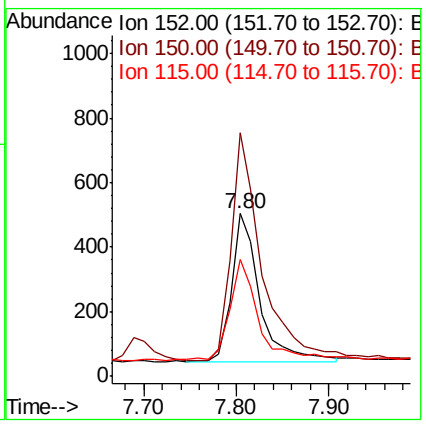


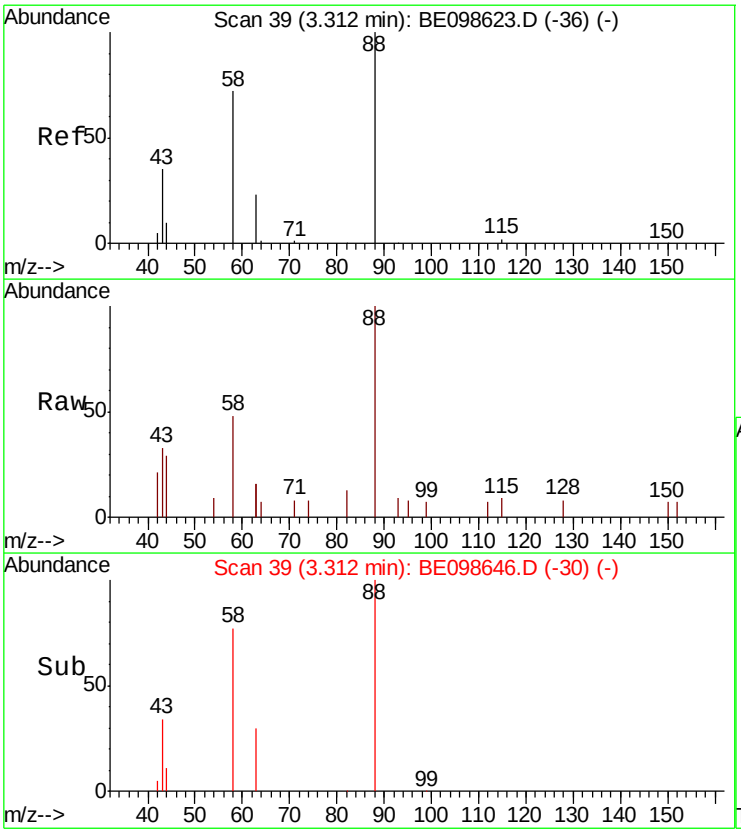
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 971

Ion	Ratio	Lower	Upper
152	100		
150	149.6	121.4	182.2
115	71.8	59.1	88.7

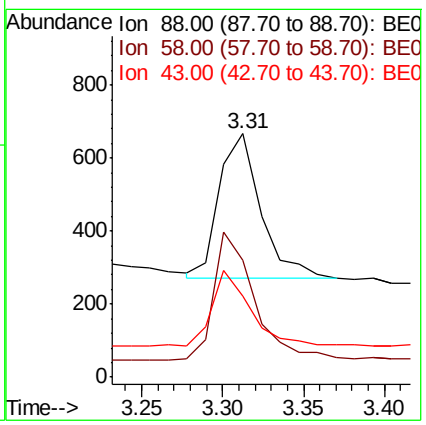


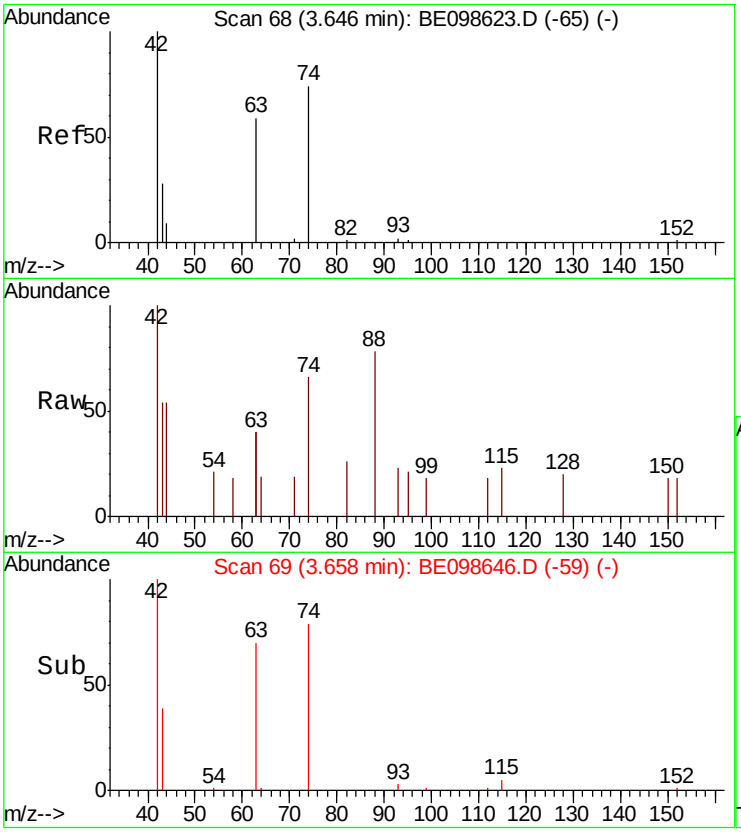


#2
1,4-Dioxane
Concen: 0.391 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion: 88 Resp: 703

Ion	Ratio	Lower	Upper
88	100		
58	87.3	73.9	110.9
43	47.7	43.7	65.5



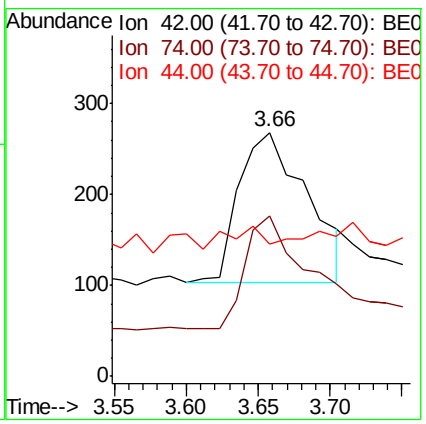


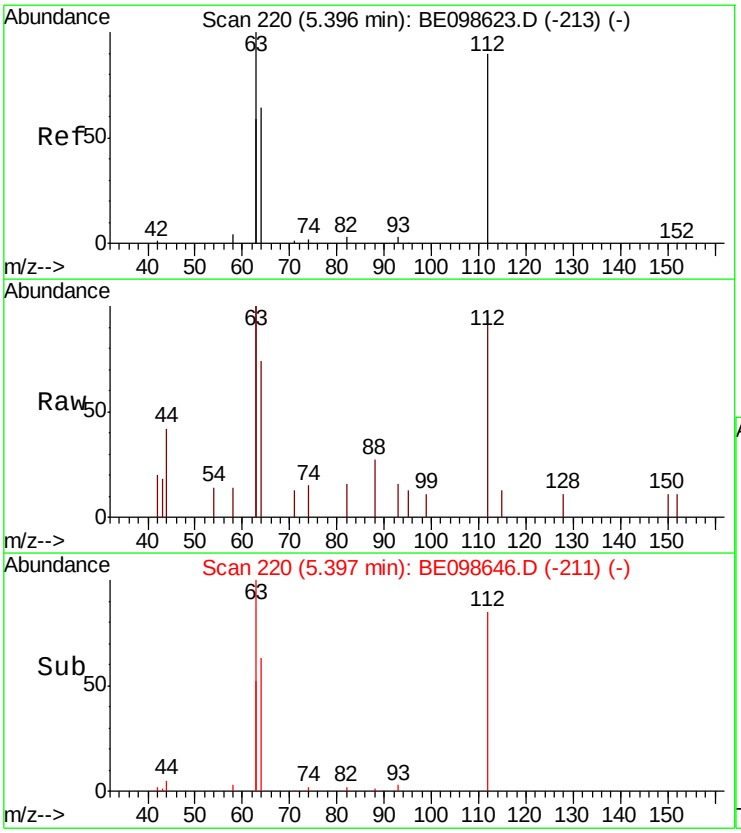
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.01 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 543

Ion	Ratio	Lower	Upper
42	100		
74	66.1	58.9	88.3
44	9.2	0.0	0.0#

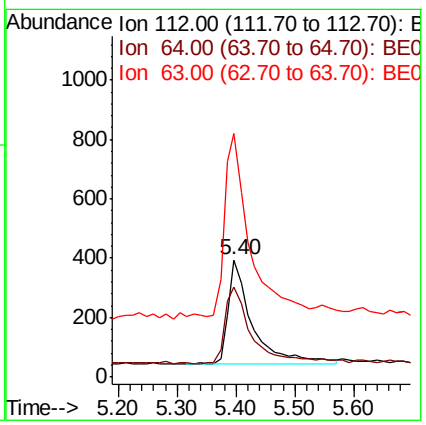


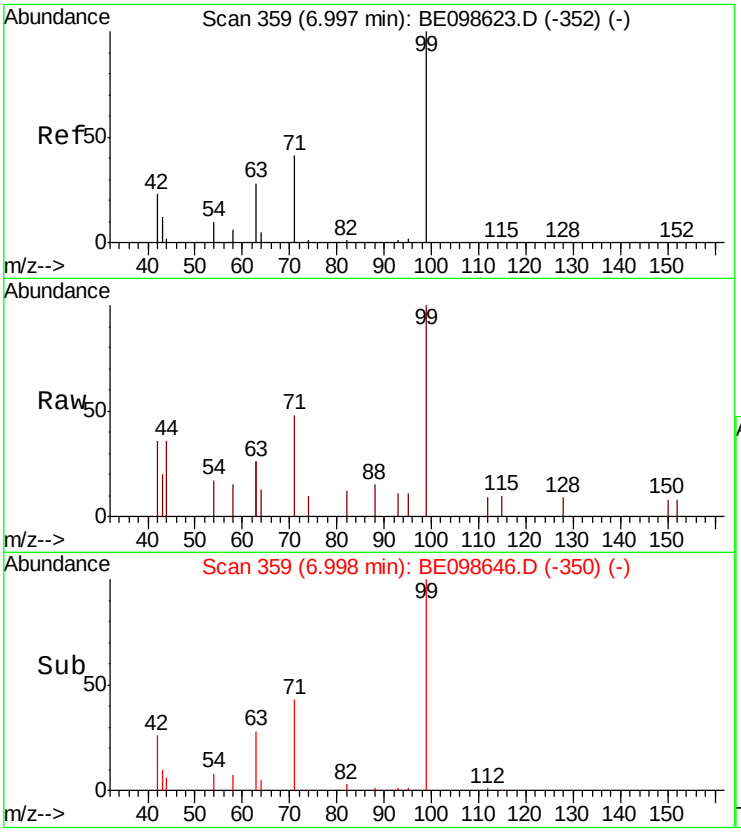


#4
2-Fluorophenol
Concen: 0.392 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:112 Resp: 1015

Ion	Ratio	Lower	Upper
112	100		
64	81.4	62.9	94.3
63	178.9	152.2	228.4



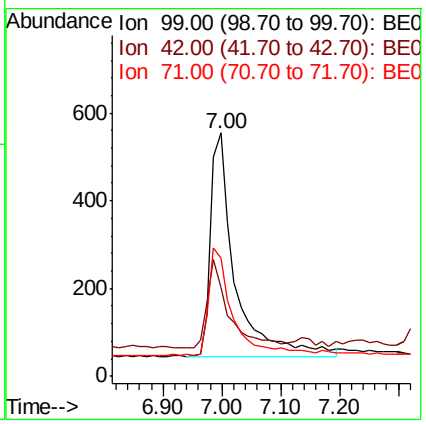


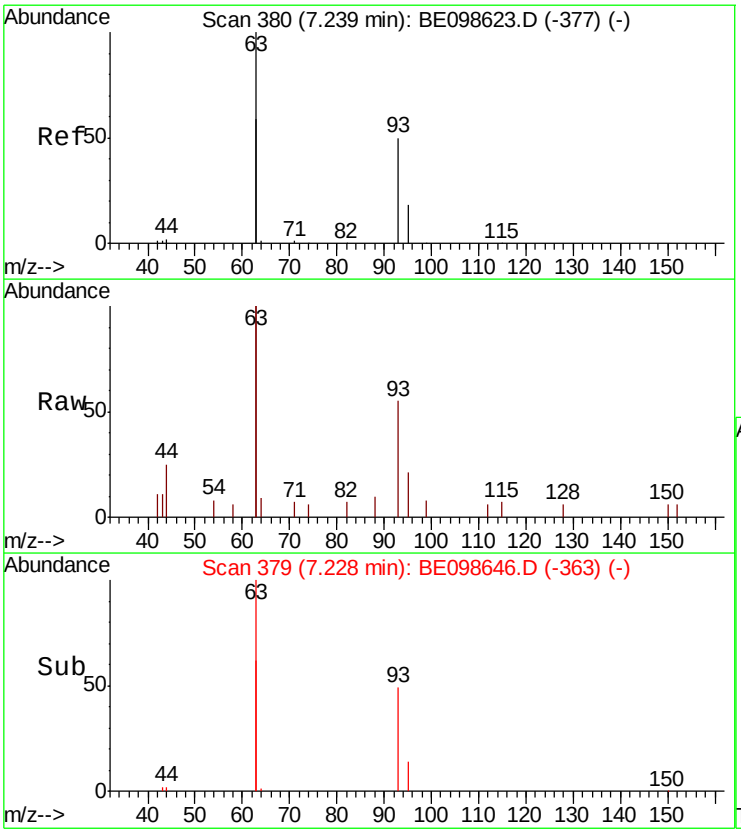
#5
Phenol-d6
Concen: 0.396 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1460

Ion	Ratio	Lower	Upper
99	100		
42	35.0	24.6	37.0
71	46.6	35.1	52.7

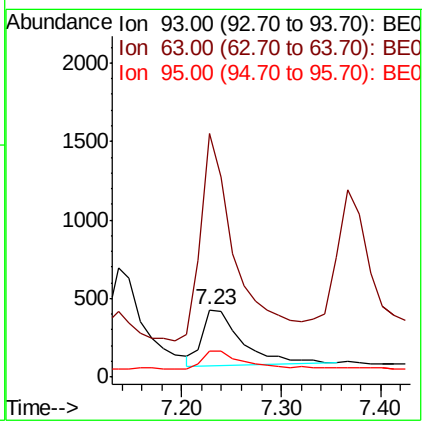


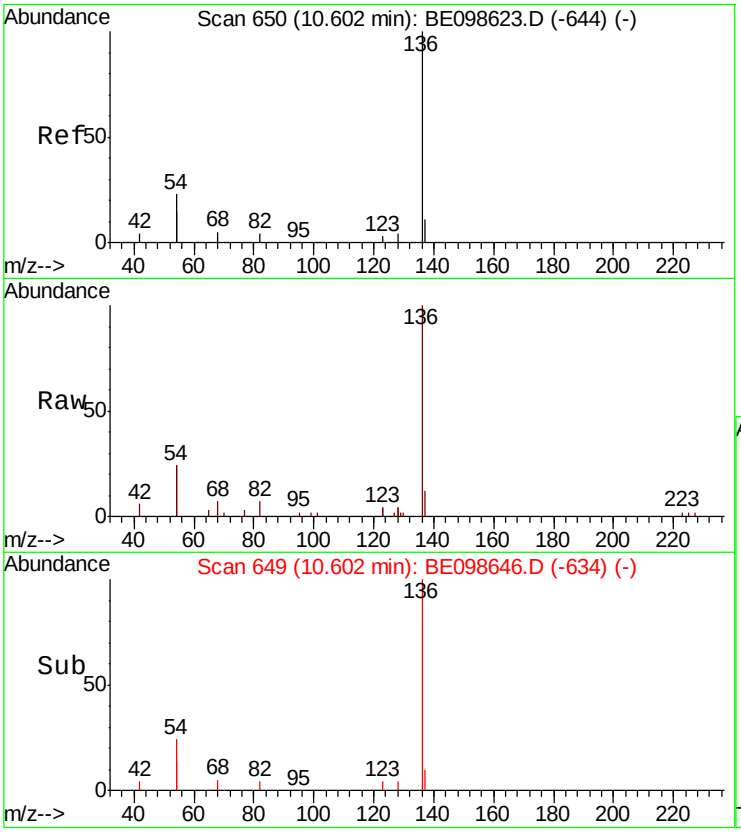


#6
bis(2-Chloroethyl)ether
Concen: 0.345 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion: 93 Resp: 963

Ion	Ratio	Lower	Upper
93	100		
63	333.5	267.3	400.9
95	17.9	26.2	39.4#



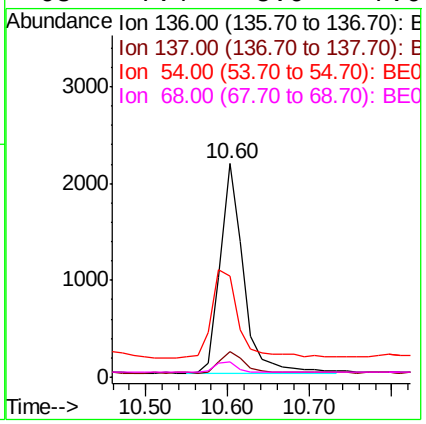


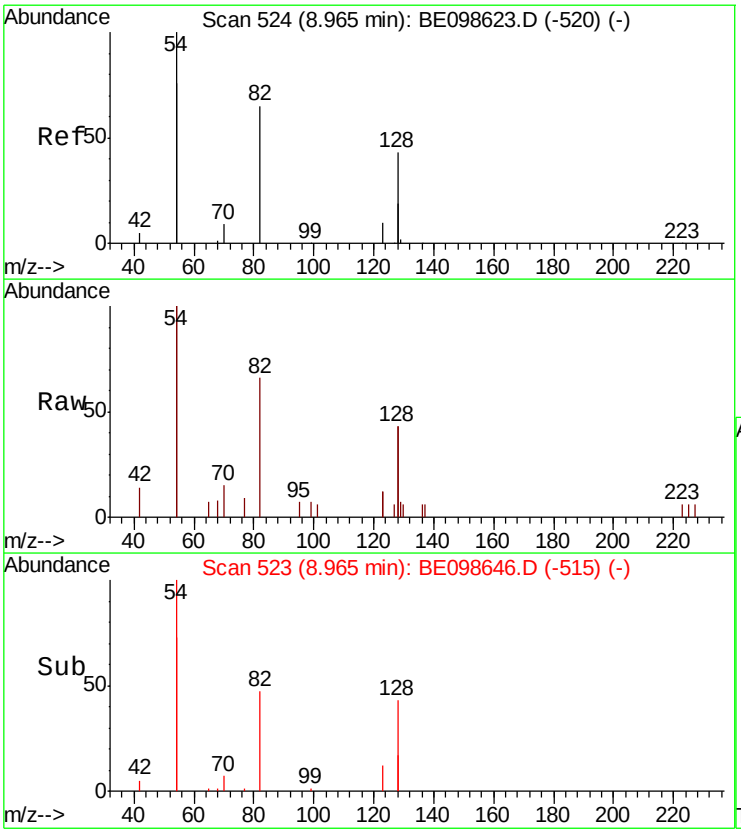
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 4235

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	47.1	35.5	53.3
68	7.4	5.0	7.6

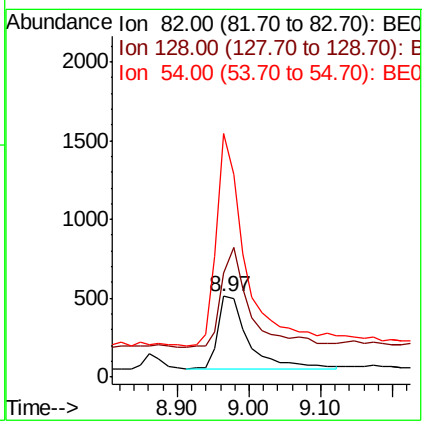


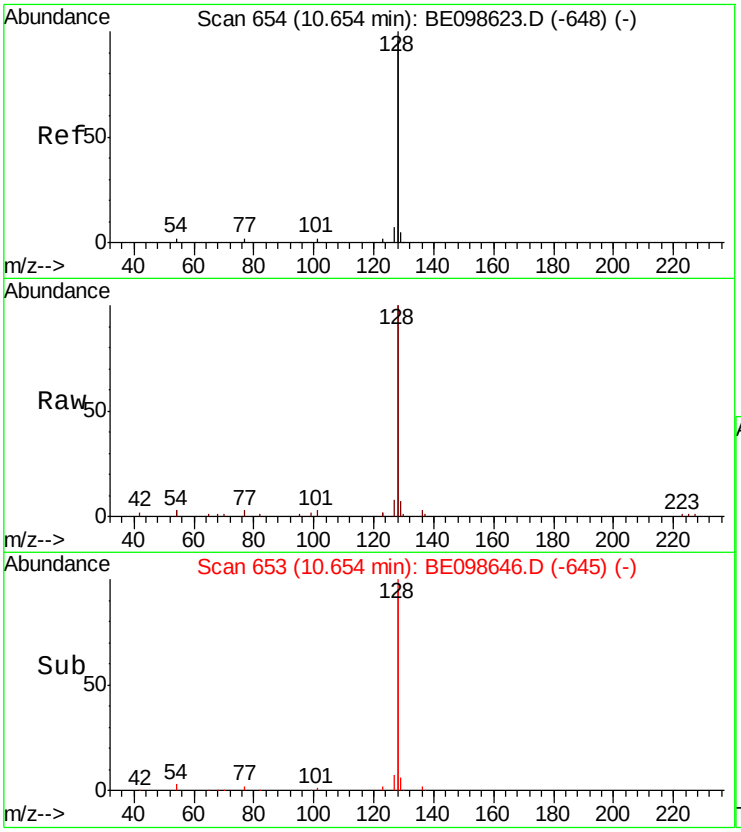


#8
Nitrobenzene-d5
Concen: 0.425 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion: 82 Resp: 1426

Ion	Ratio	Lower	Upper
82	100		
128	128.5	96.5	144.7
54	301.6	224.7	337.1



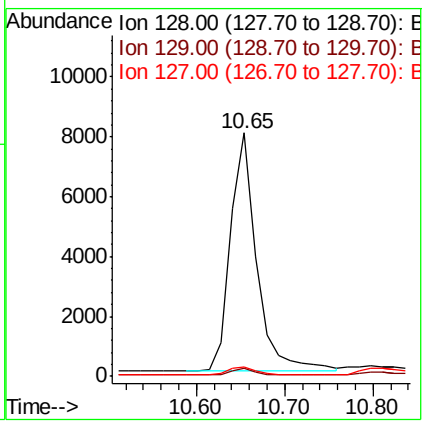


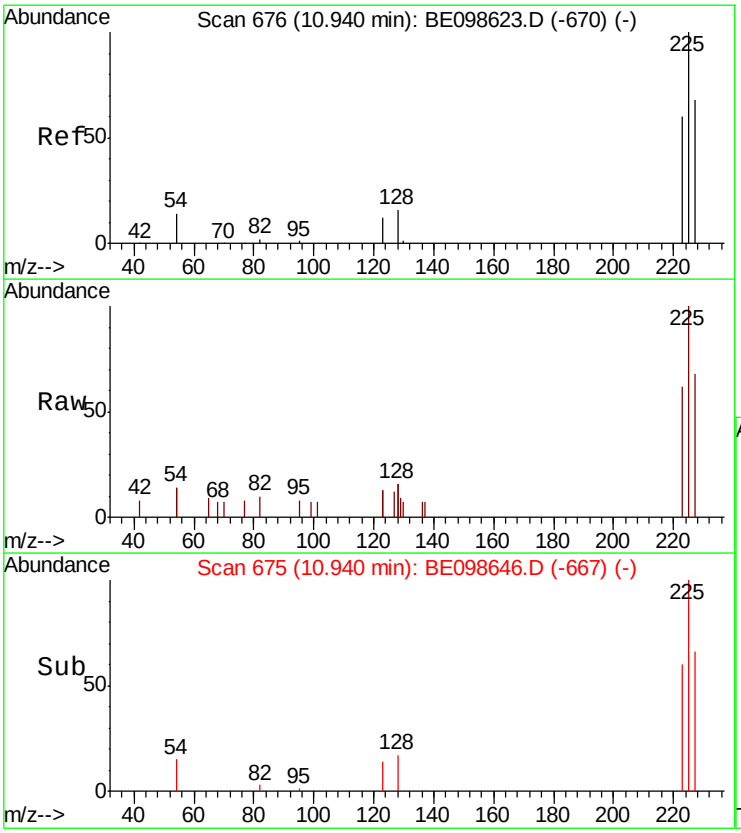
#9
Naphthalene
Concen: 0.384 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16188

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.9	3.0	4.6

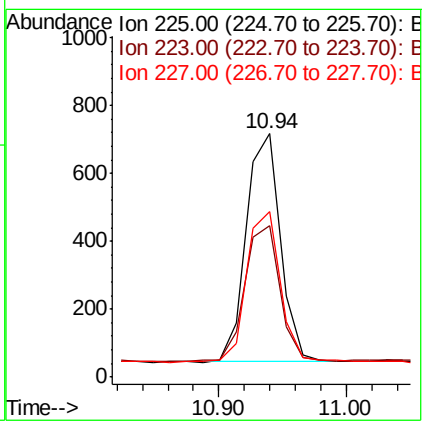


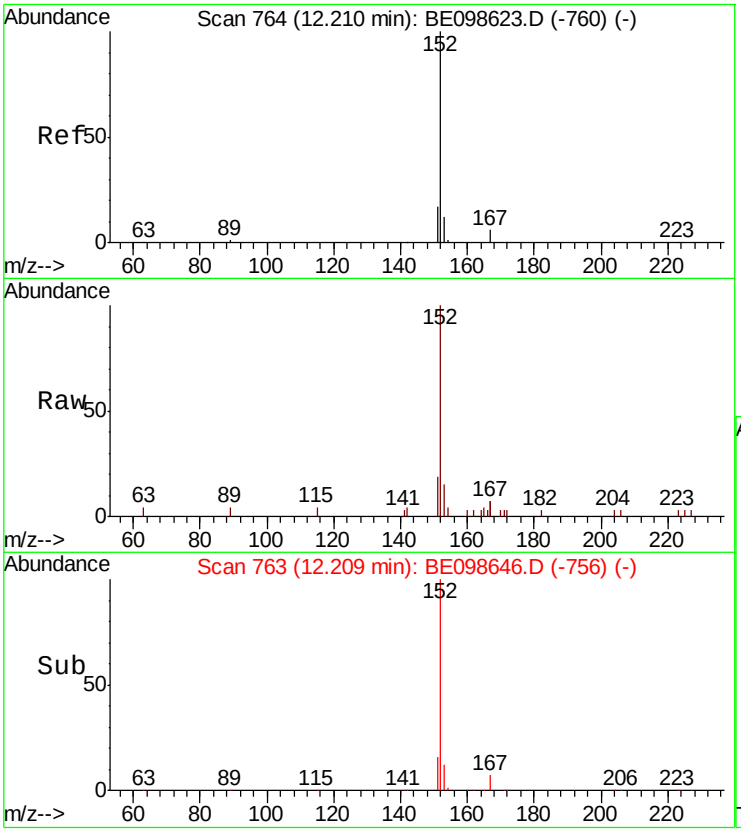


#10
Hexachlorobutadiene
Concen: 0.412 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:225 Resp: 1243

Ion	Ratio	Lower	Upper
225	100		
223	60.5	47.8	71.8
227	65.5	50.5	75.7



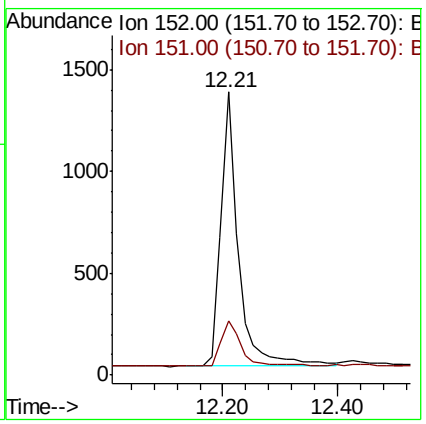


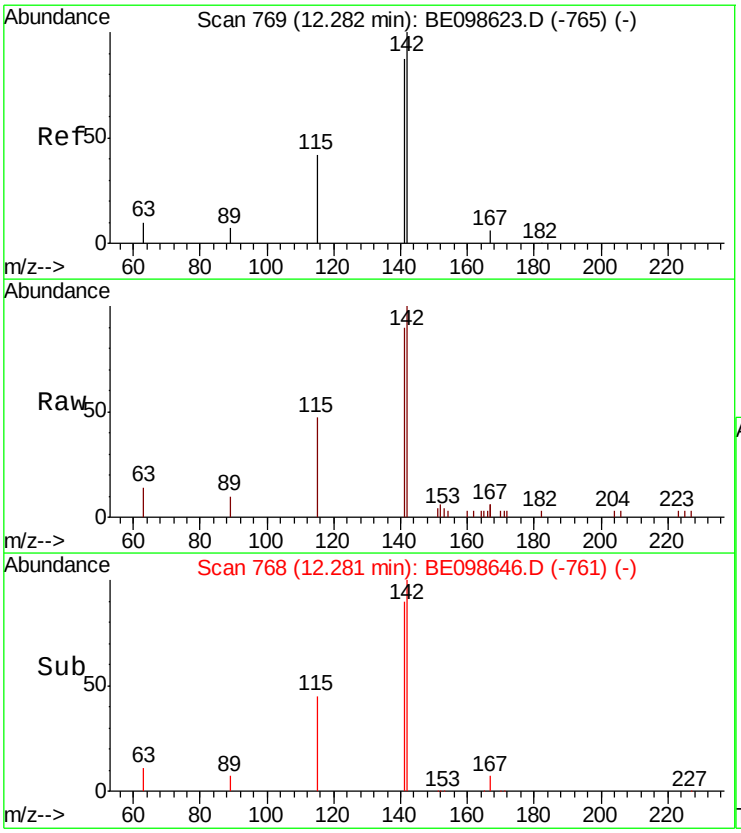
#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2814

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.4

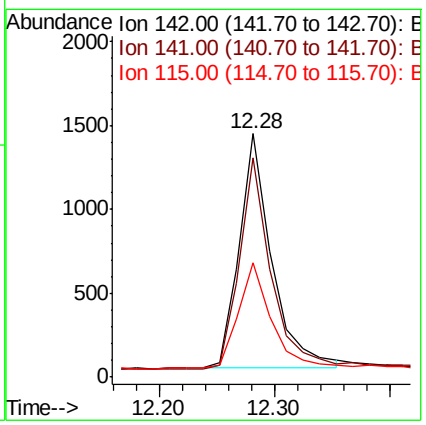


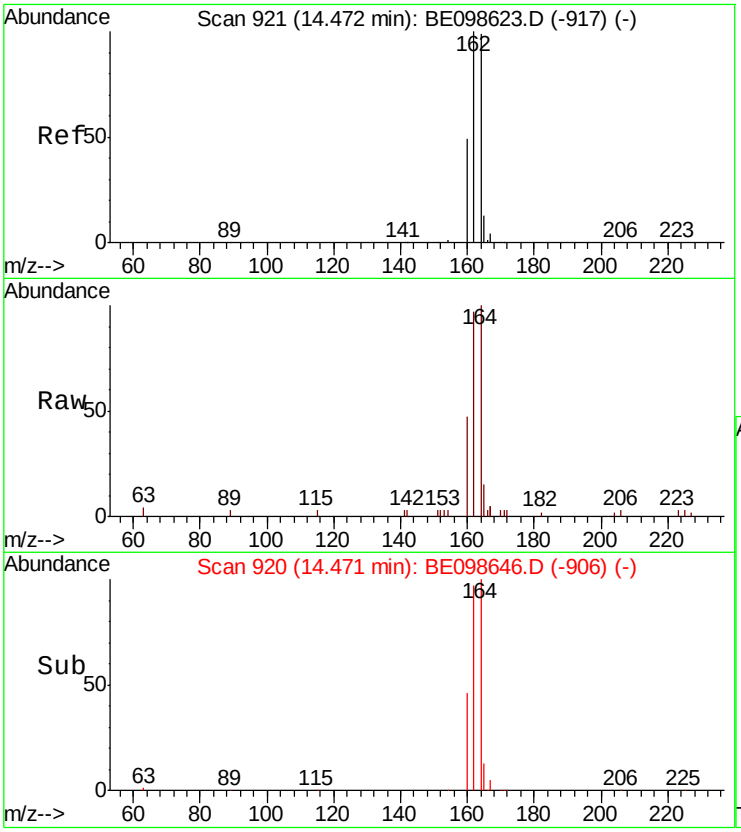


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:142 Resp: 2749

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.0	105.0
115	46.7	35.2	52.8



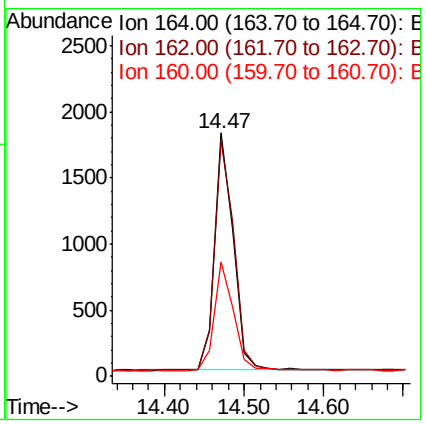


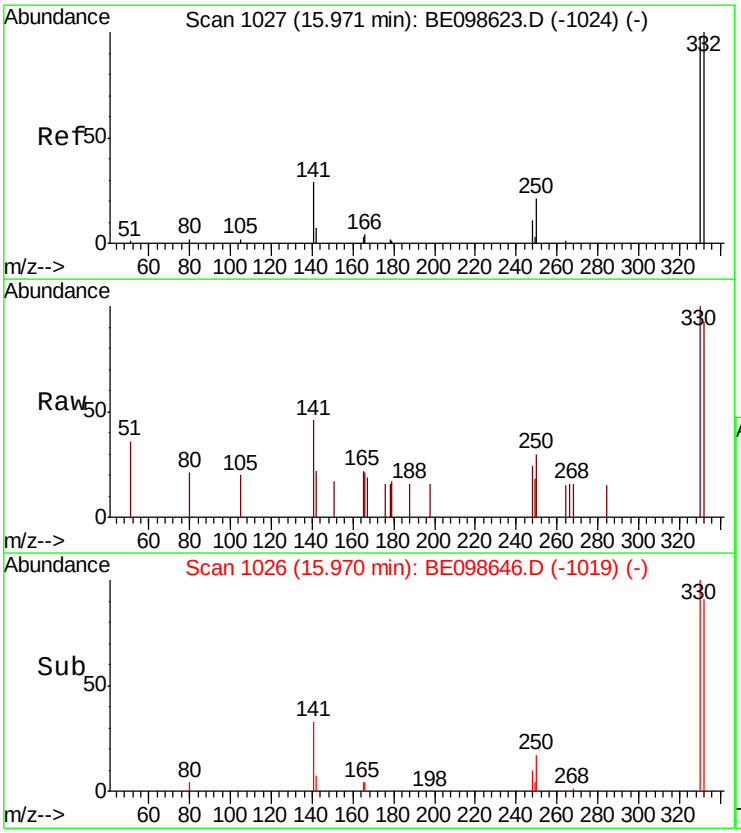
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 2926

Ion	Ratio	Lower	Upper
164	100		
162	96.8	80.5	120.7
160	46.8	40.1	60.1

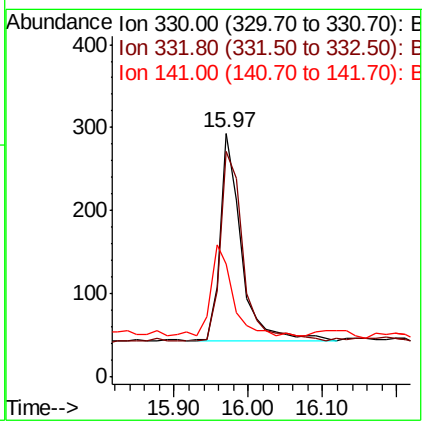


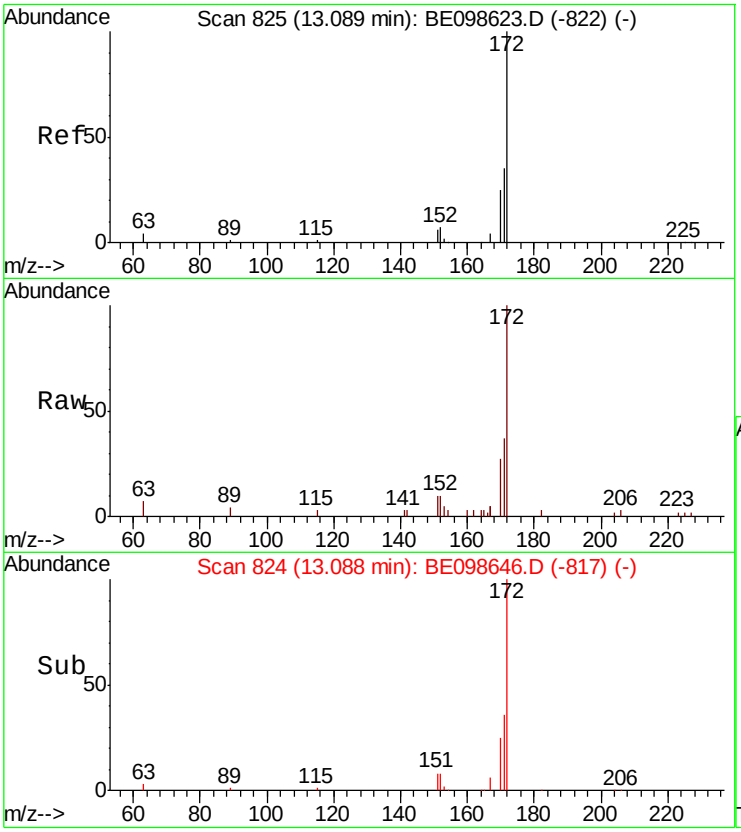


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:330 Resp: 490

Ion	Ratio	Lower	Upper
330	100		
332	99.0	73.3	109.9
141	44.5	33.1	49.7



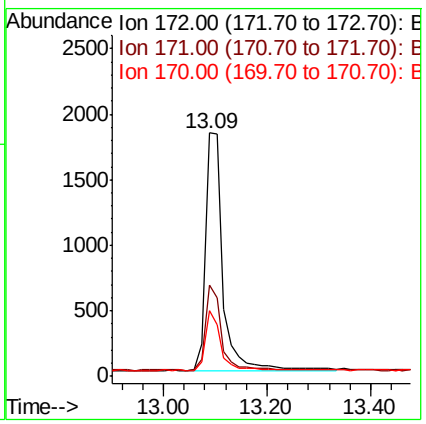


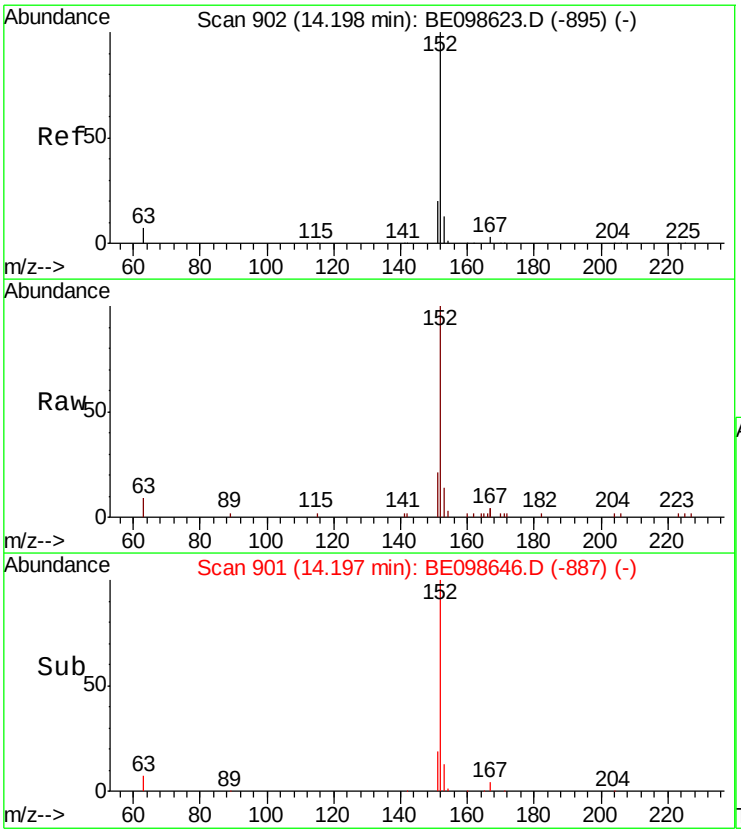
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 4265

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.0	43.4
170	27.0	20.8	31.2

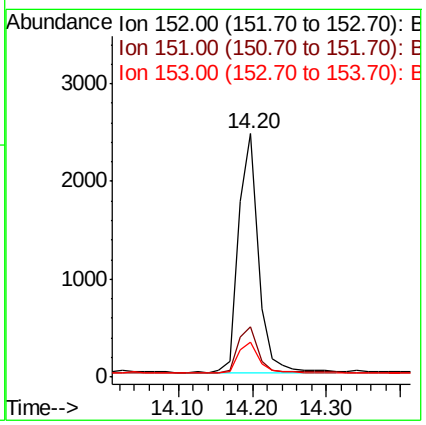


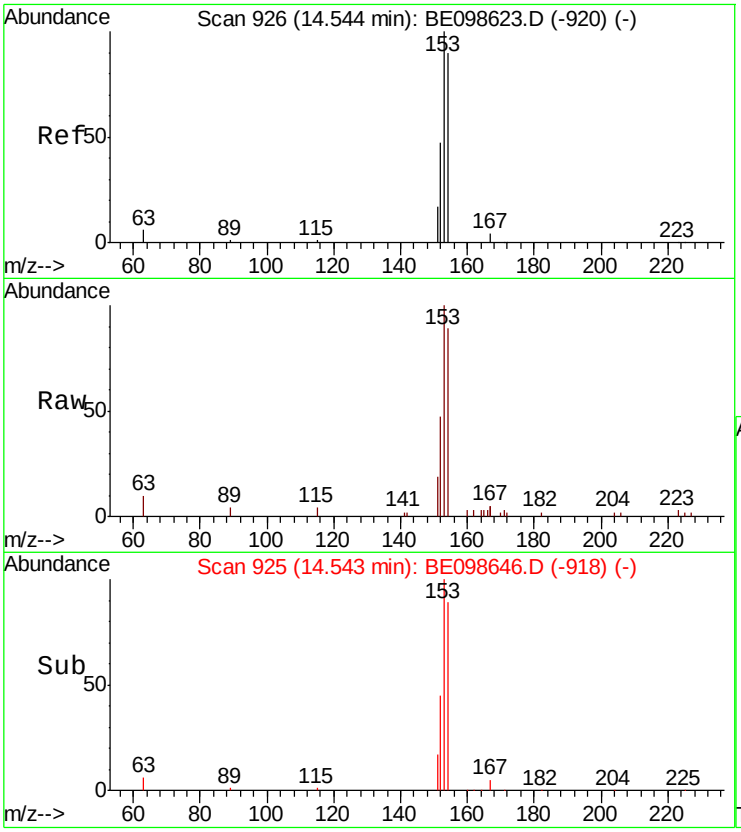


#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:152 Resp: 4576

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.2	10.7	16.1



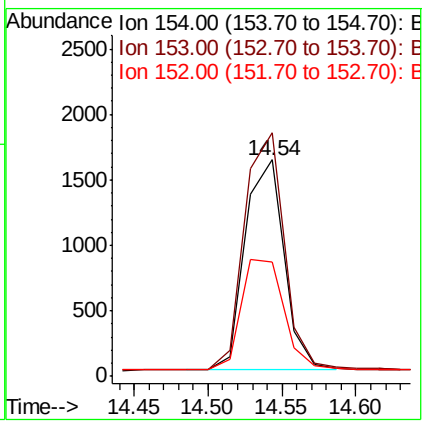


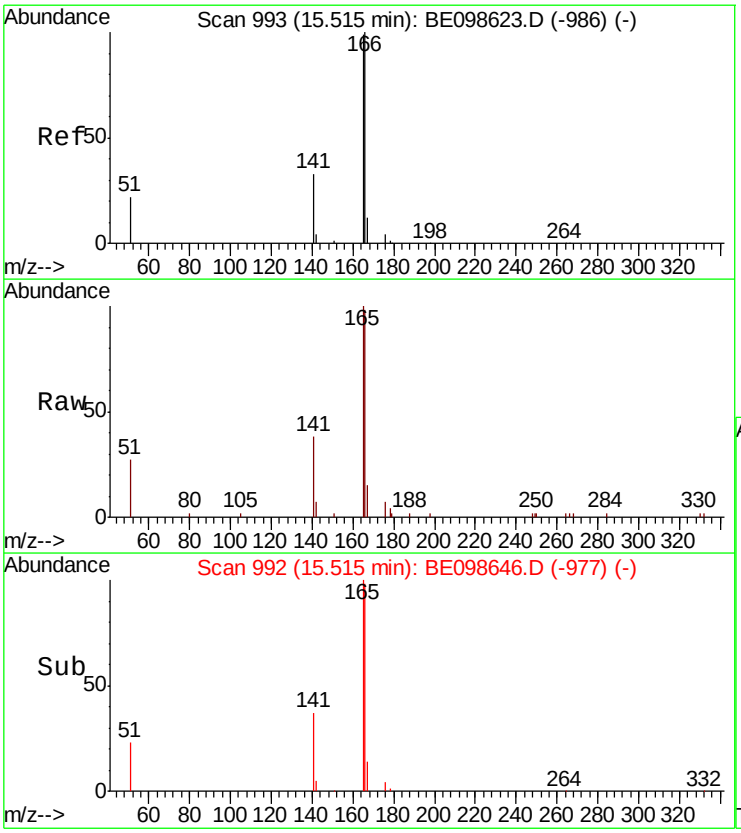
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2936

Ion	Ratio	Lower	Upper
154	100		
153	114.9	93.9	140.9
152	57.1	45.8	68.8

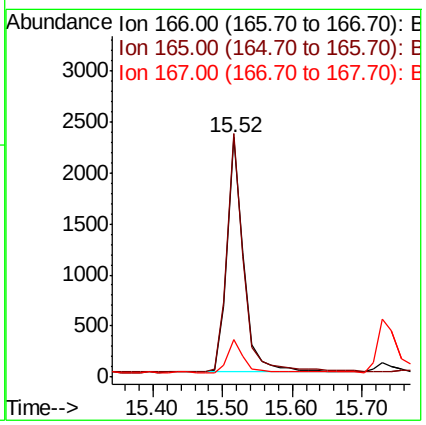


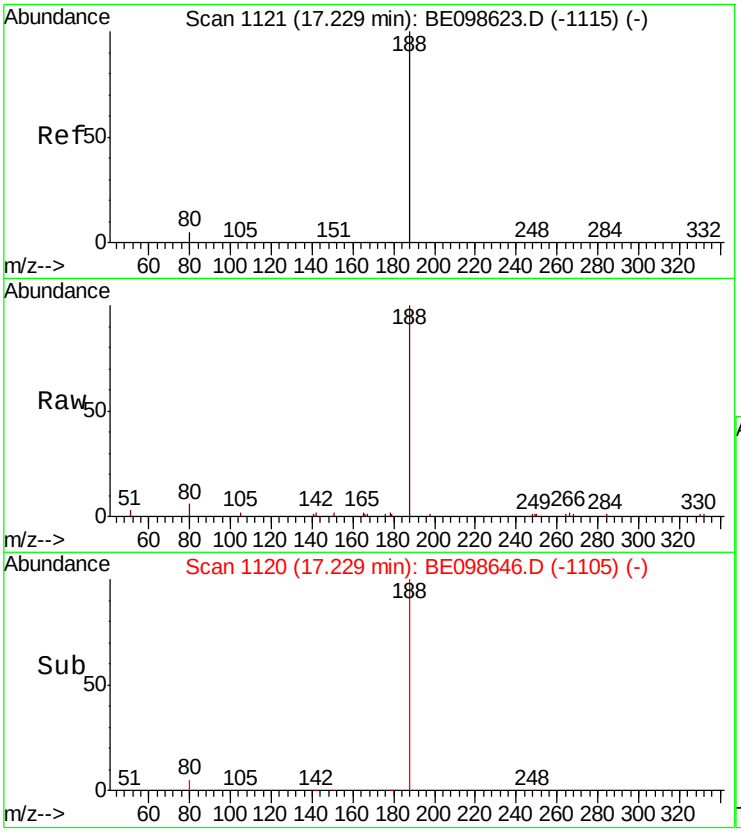


#18
Fluorene
Concen: 0.368 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:166 Resp: 3805

Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.3	118.9
167	13.9	10.6	15.8



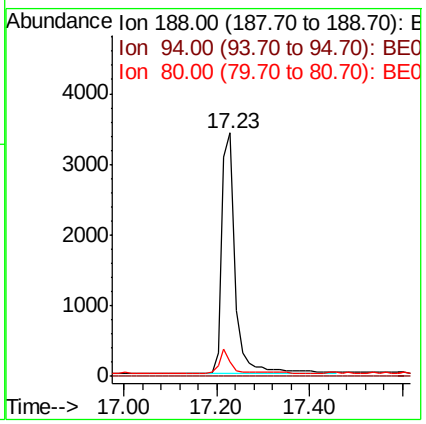


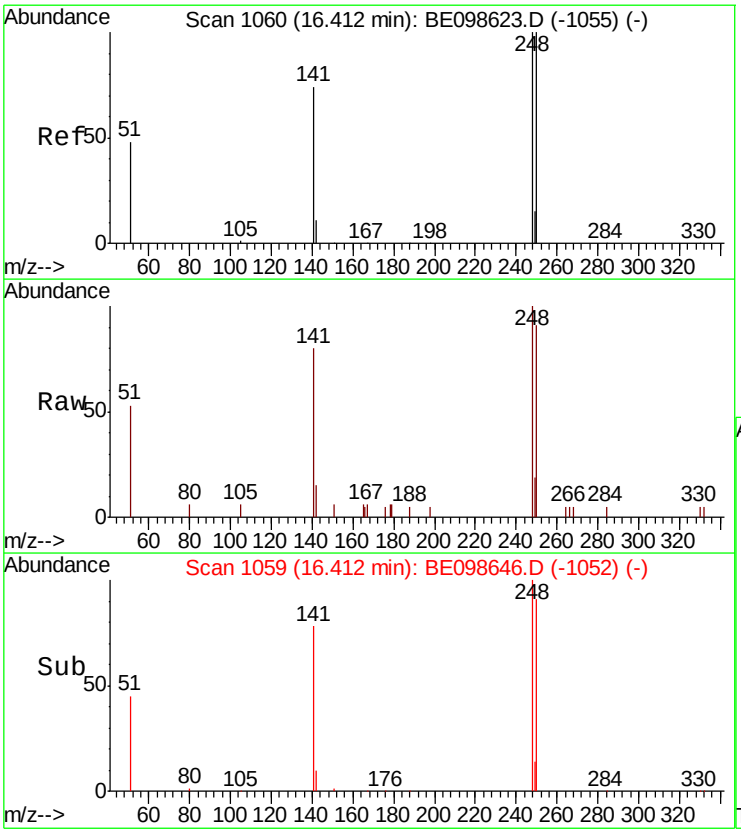
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6928

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	4.7	7.1

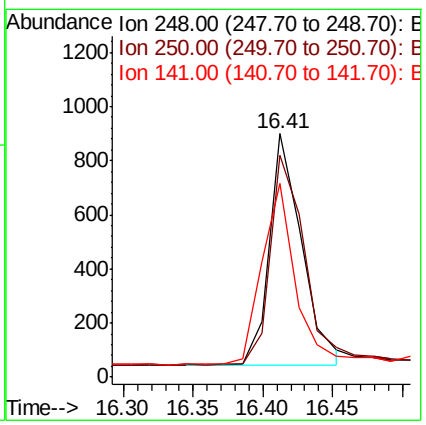


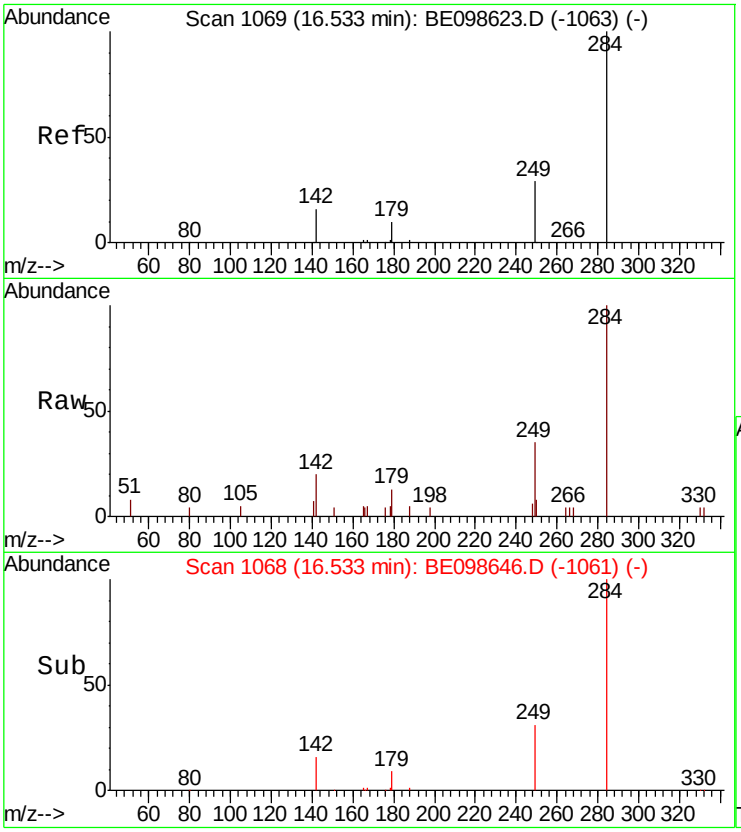


#20
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:248 Resp: 1397

Ion	Ratio	Lower	Upper
248	100		
250	91.3	80.2	120.4
141	79.8	60.5	90.7



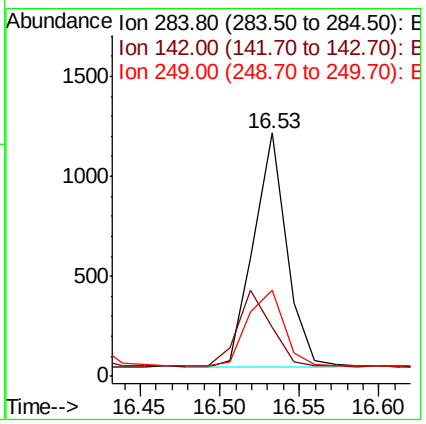


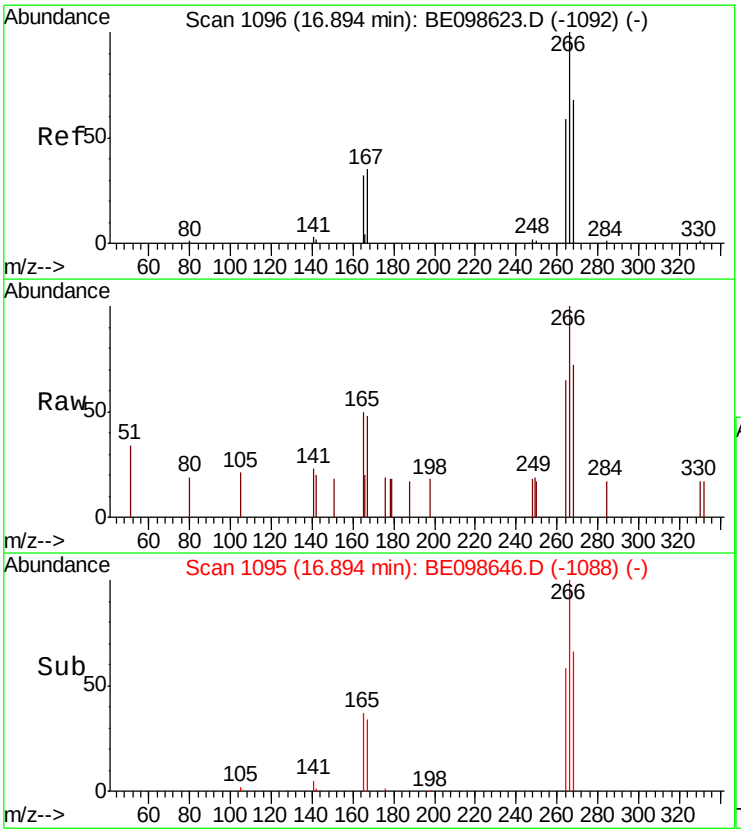
#21
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1690

Ion	Ratio	Lower	Upper
284	100		
142	33.0	25.5	38.3
249	35.6	26.6	39.8

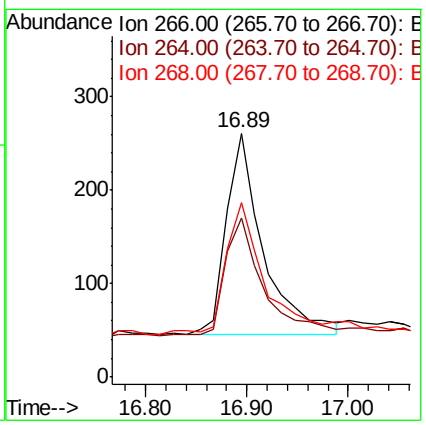


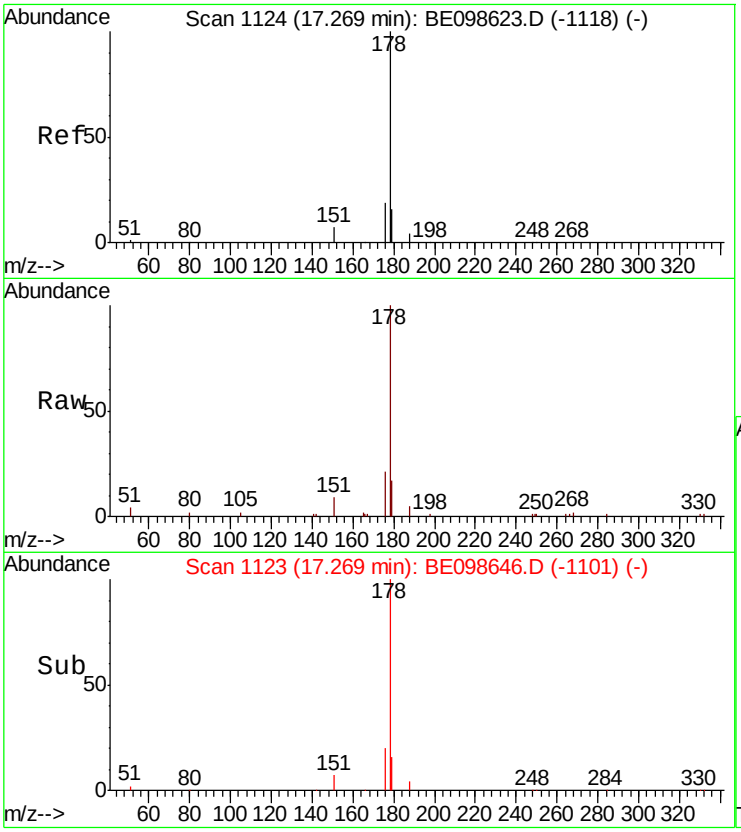


#22
Pentachlorophenol
Concen: 0.499 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:266 Resp: 541

Ion	Ratio	Lower	Upper
266	100		
264	65.1	53.7	80.5
268	71.6	59.8	89.8



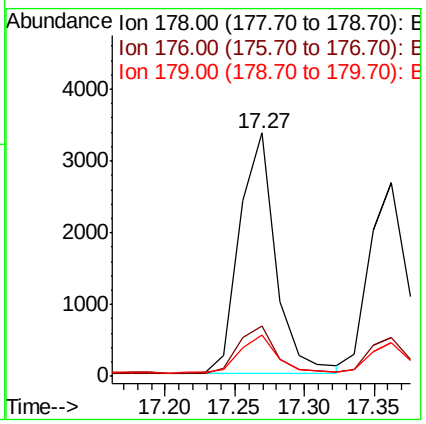


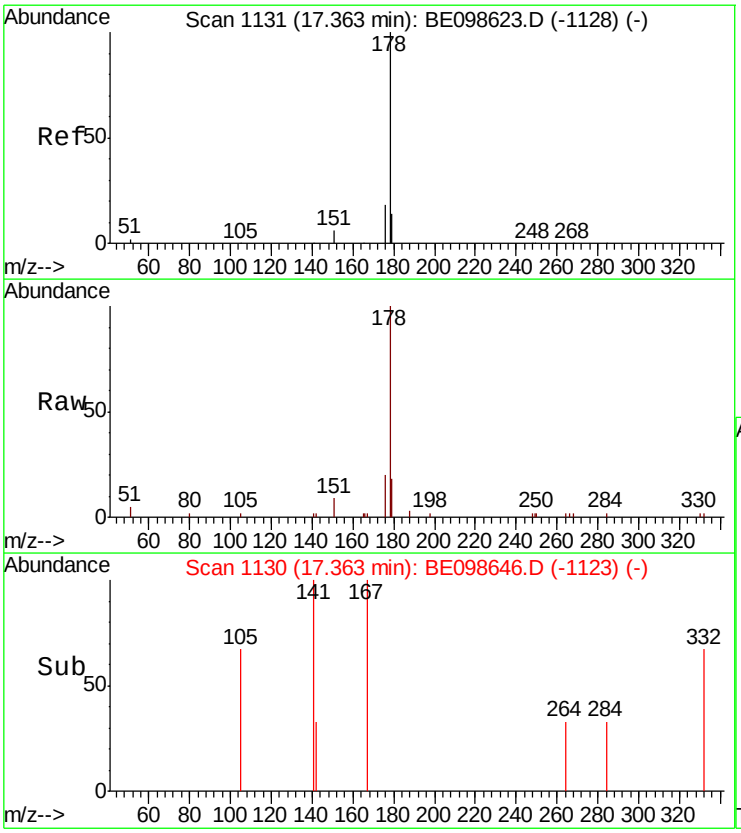
#23
Phenanthrene
Concen: 0.365 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 5985

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.9	23.9
179	16.1	12.2	18.4

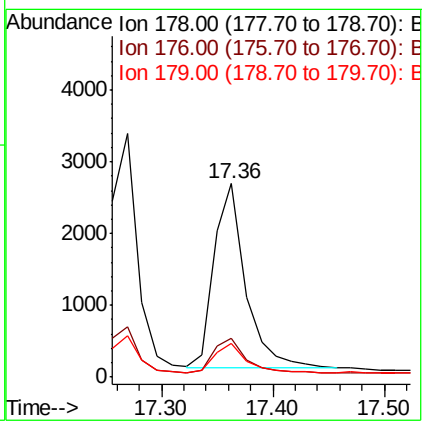


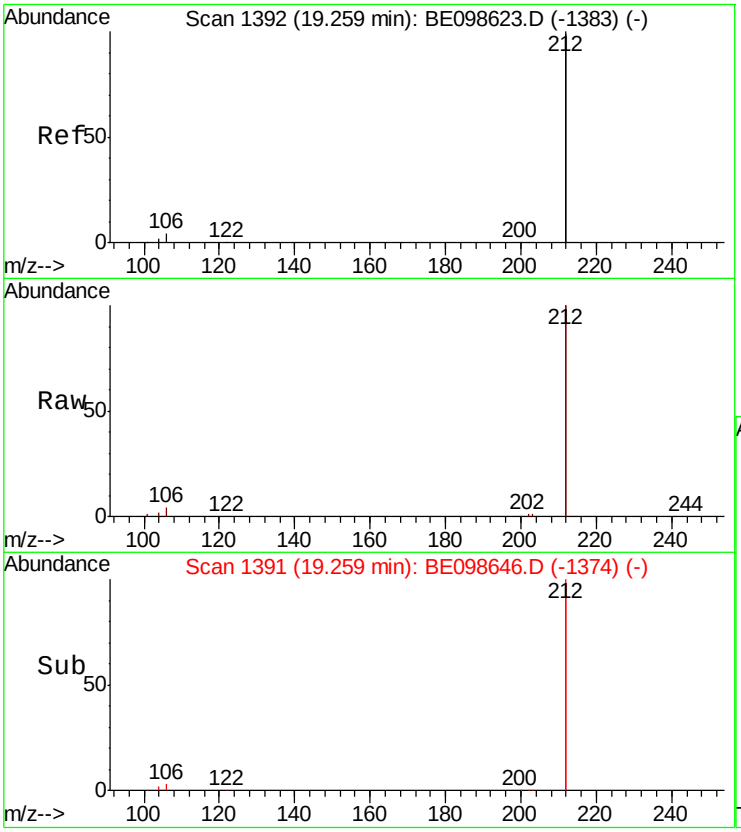


#24
Anthracene
Concen: 0.359 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:178 Resp: 5044

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	11.8	17.8



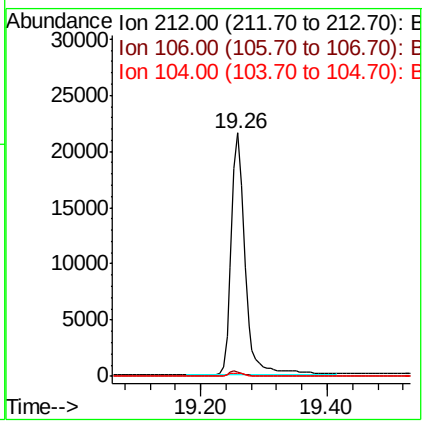


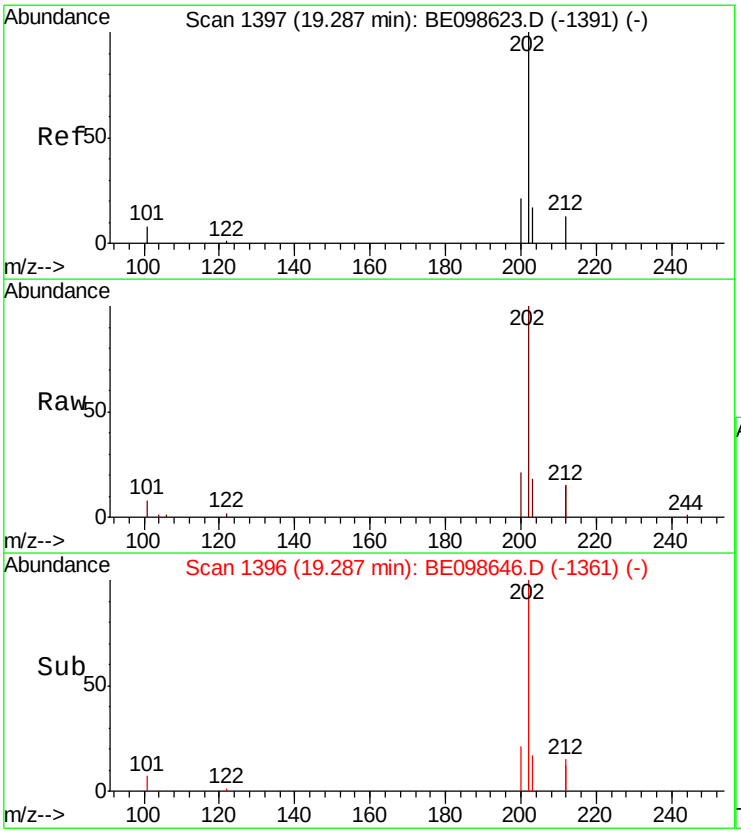
#25
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 32459

Ion	Ratio	Lower	Upper
212	100		
106	2.0	1.7	2.5
104	1.1	1.0	1.6

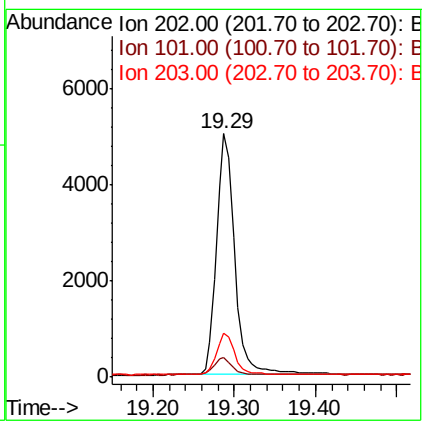


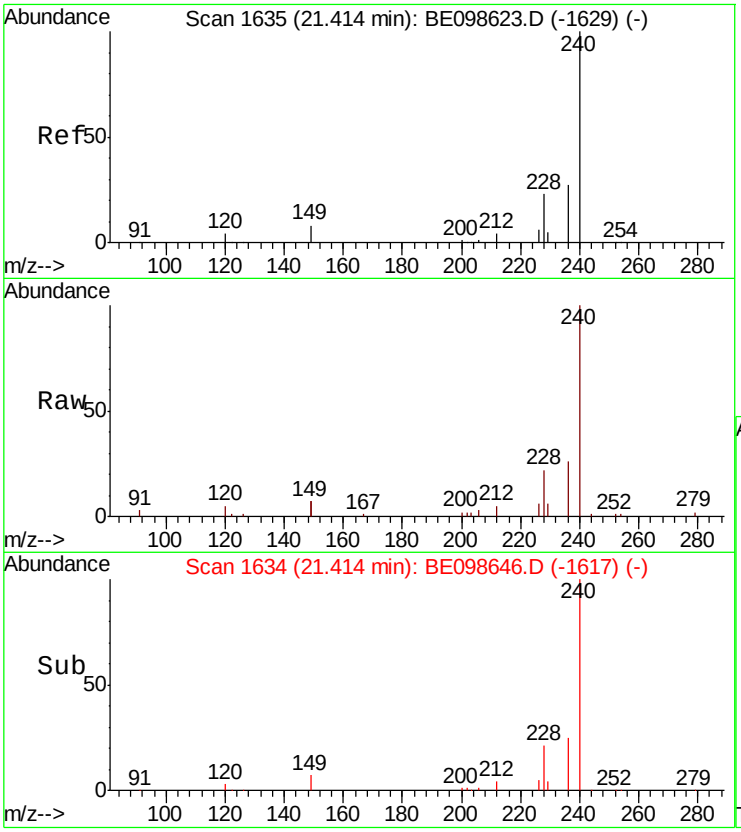


#26
Fluoranthene
Concen: 0.373 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:202 Resp: 7870

Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.7	10.1
203	16.9	13.3	19.9



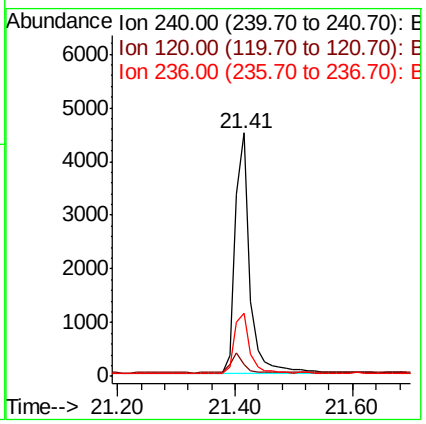


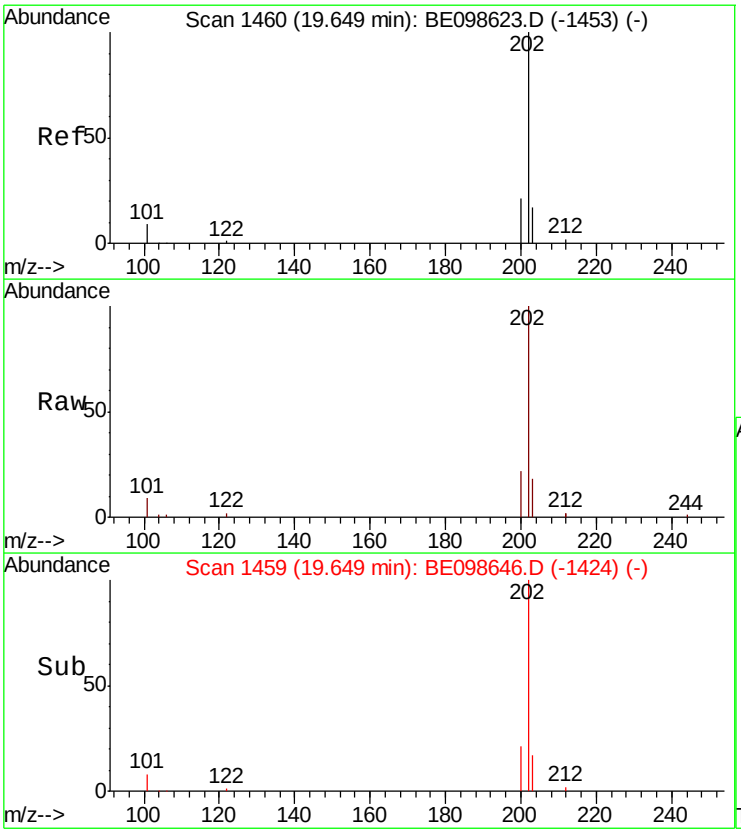
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7923

Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.7	7.1
236	26.1	21.9	32.9

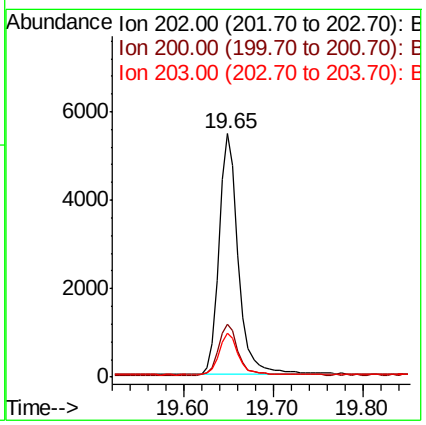


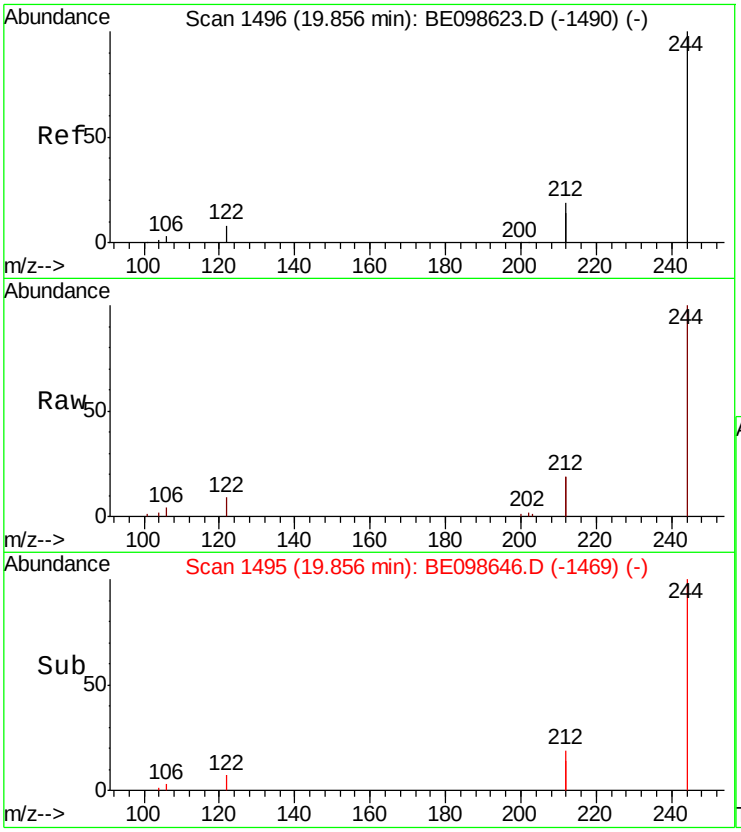


#28
Pyrene
Concen: 0.376 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:202 Resp: 8195

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	17.3	13.8	20.8



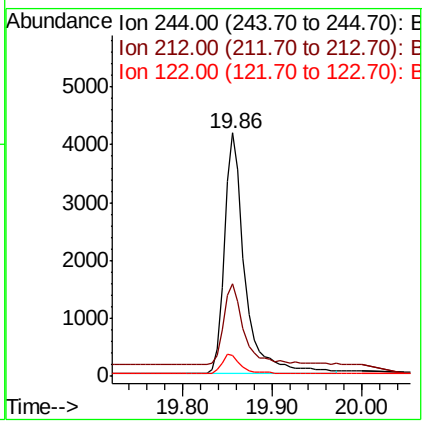


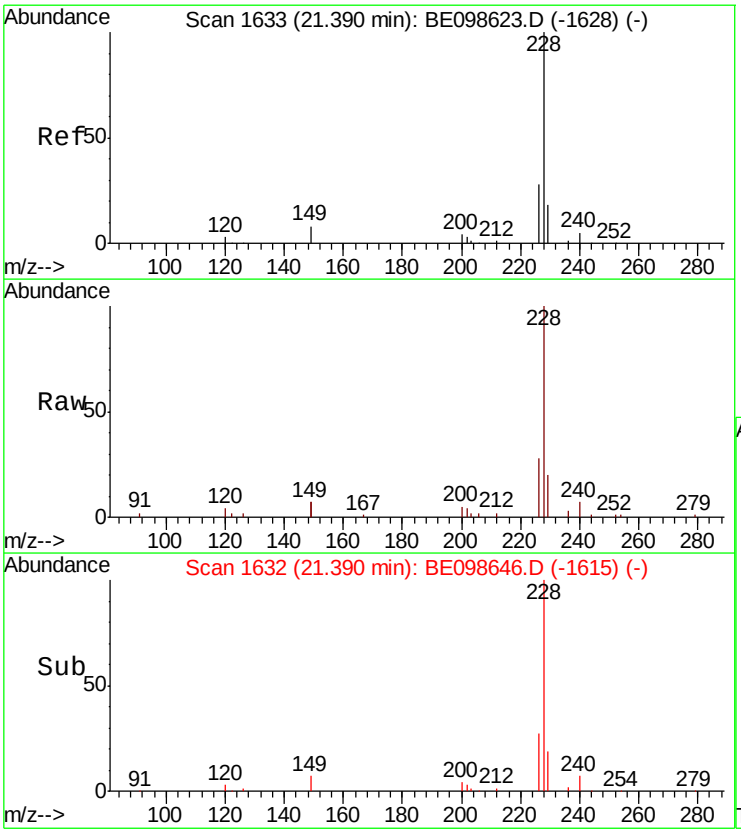
#29
Terphenyl-d14
Concen: 0.371 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6510

Ion	Ratio	Lower	Upper
244	100		
212	37.9	29.4	44.2
122	8.6	7.1	10.7

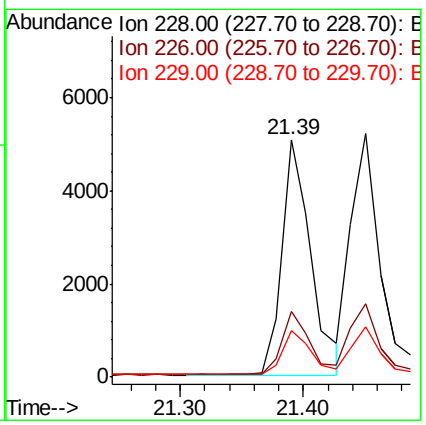


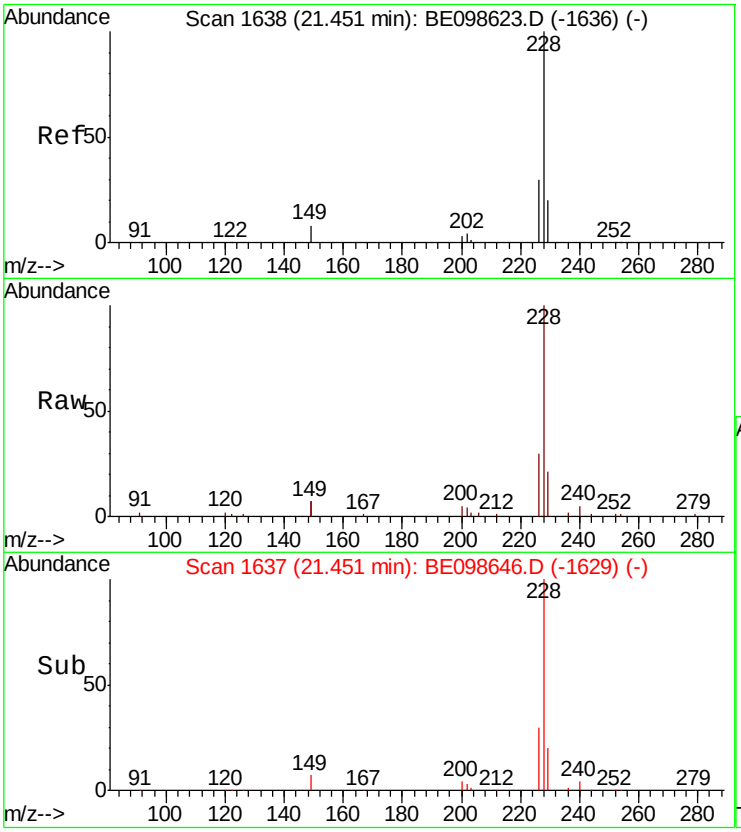


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:228 Resp: 8255

Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.0	34.4
229	19.8	15.0	22.6



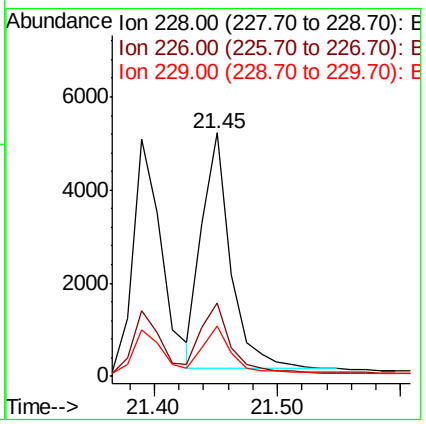


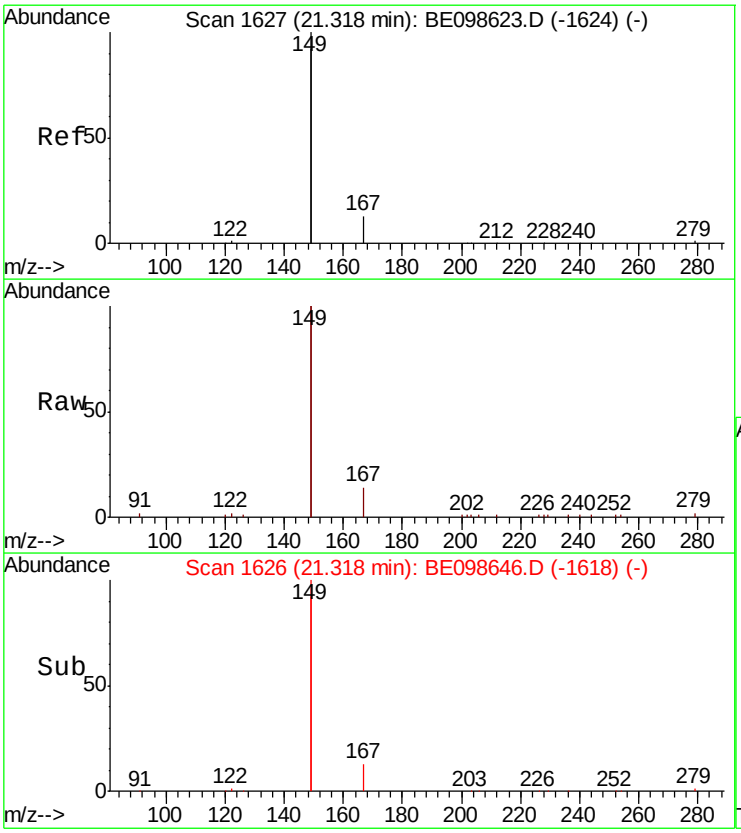
#31
Chrysene
Concen: 0.373 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8236

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	36.8
229	20.8	16.4	24.6

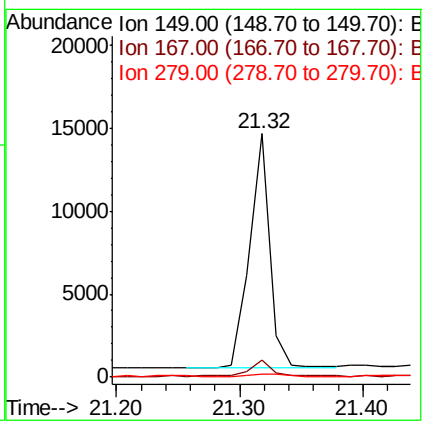


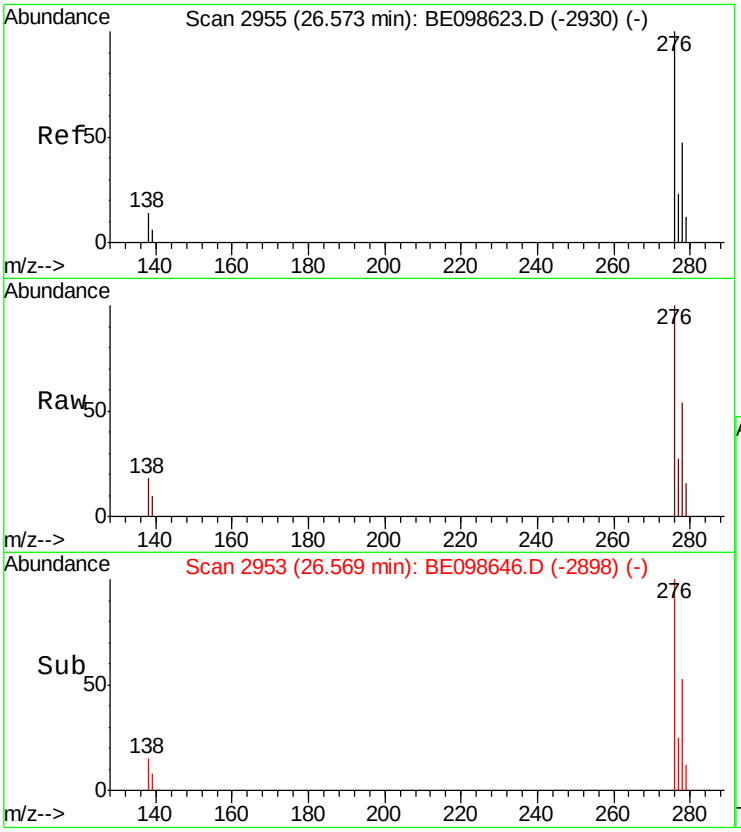


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.359 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:149 Resp: 16237

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.2
279	1.1	1.0	1.4



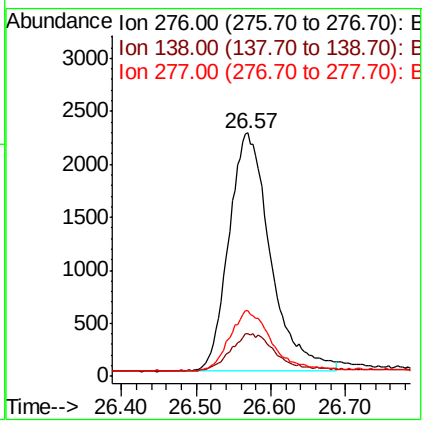


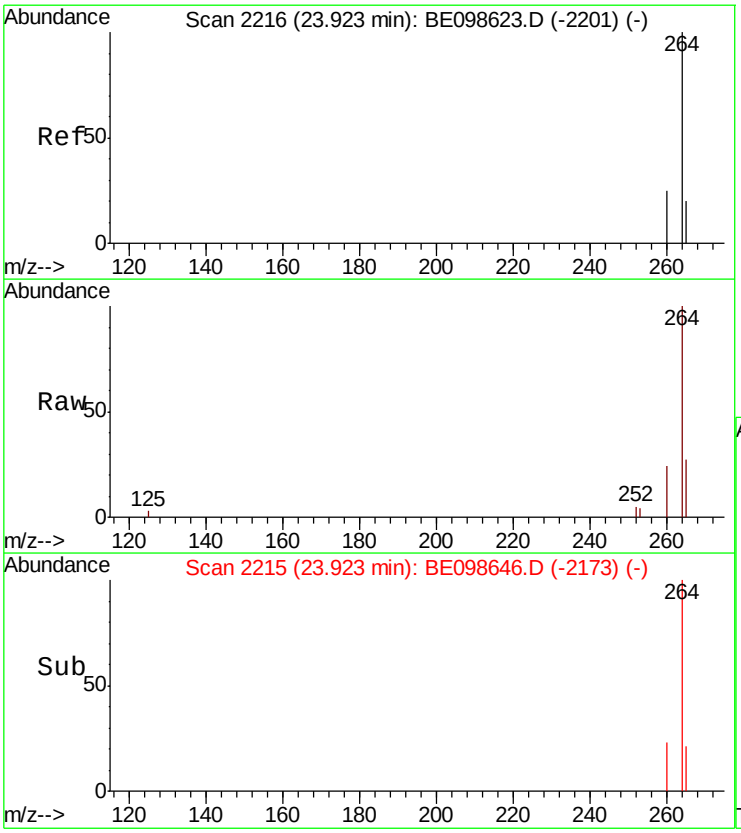
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8698

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.3	19.9
277	24.5	19.4	29.0

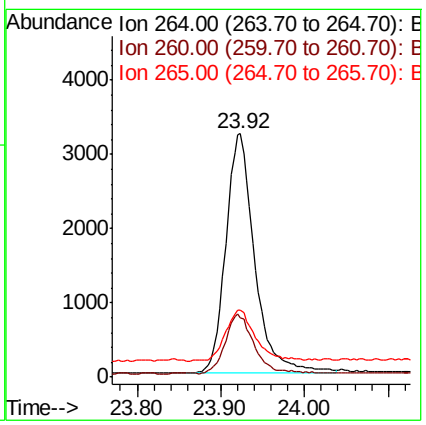


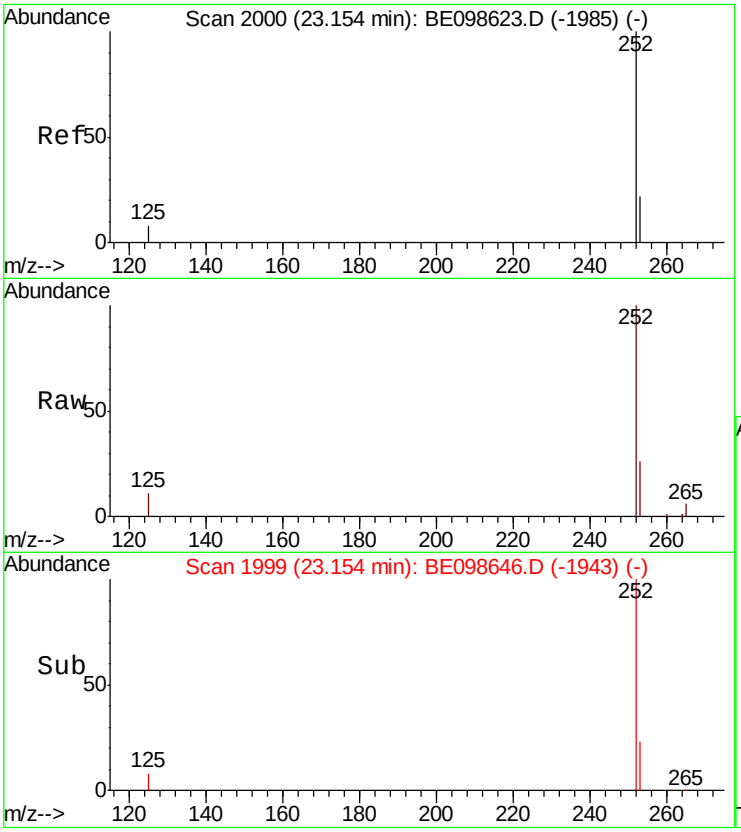


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:264 Resp: 7717

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.5	30.7
265	27.4	22.3	33.5



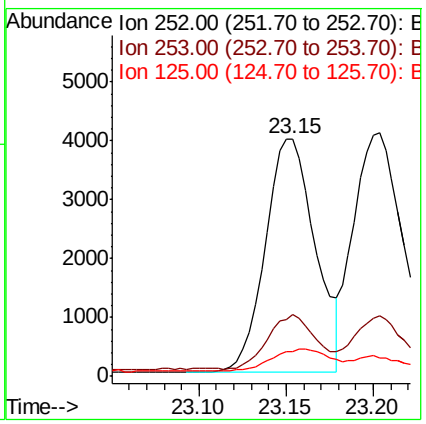


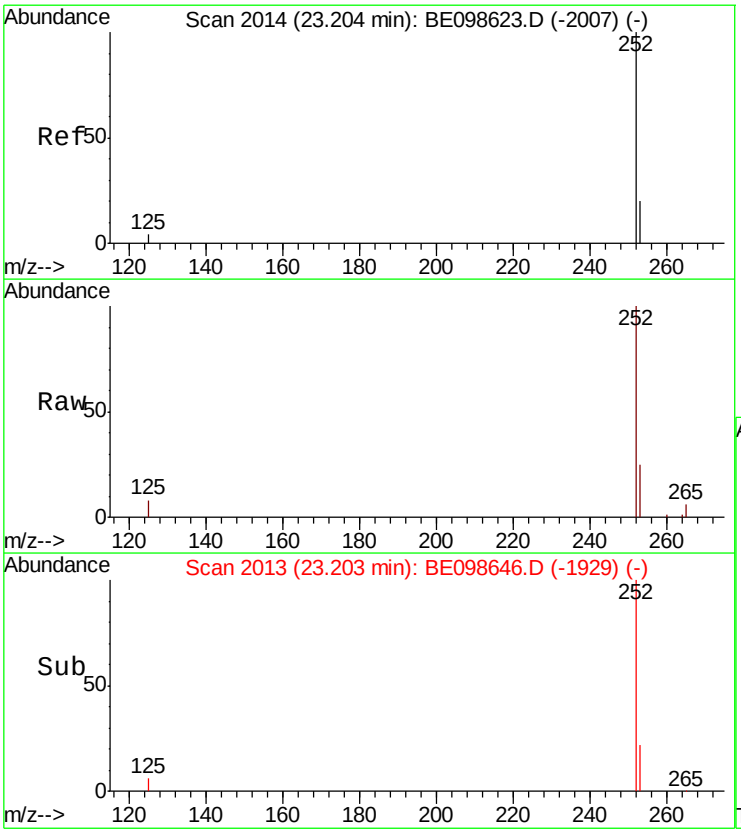
#35
Benzo(b)fluoranthene
Concen: 0.374 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7865

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.4	29.0
125	10.6	8.2	12.4

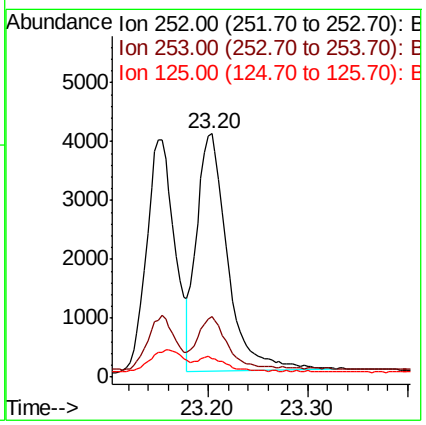


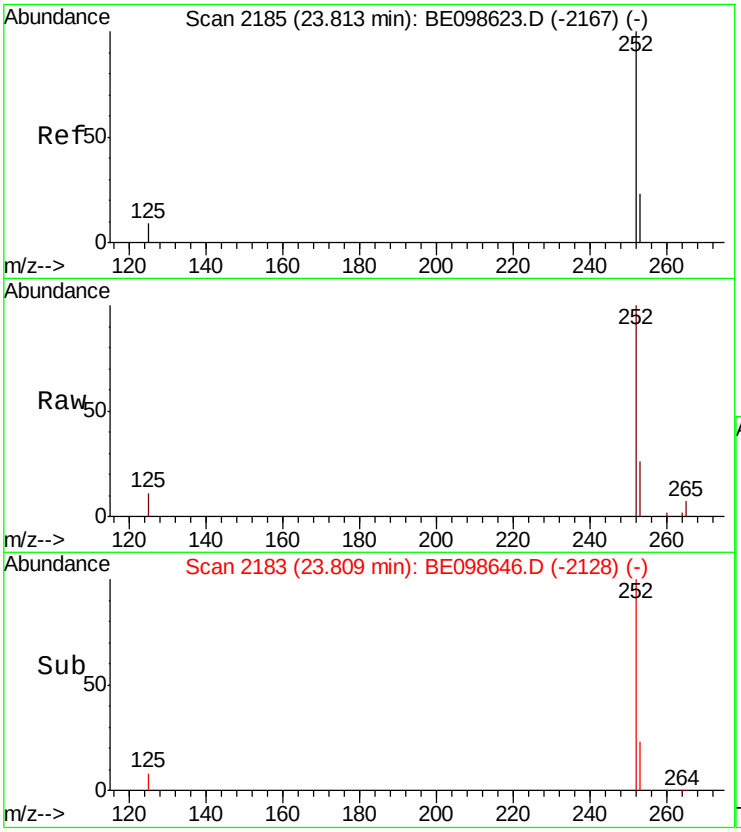


#36
Benzo(k)fluoranthene
Concen: 0.376 ng
RT: 23.20 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:252 Resp: 8647

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.4
125	7.8	7.0	10.4



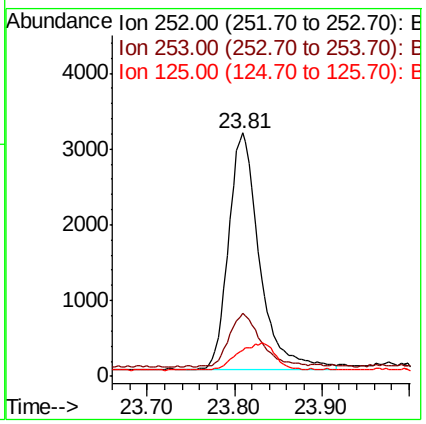


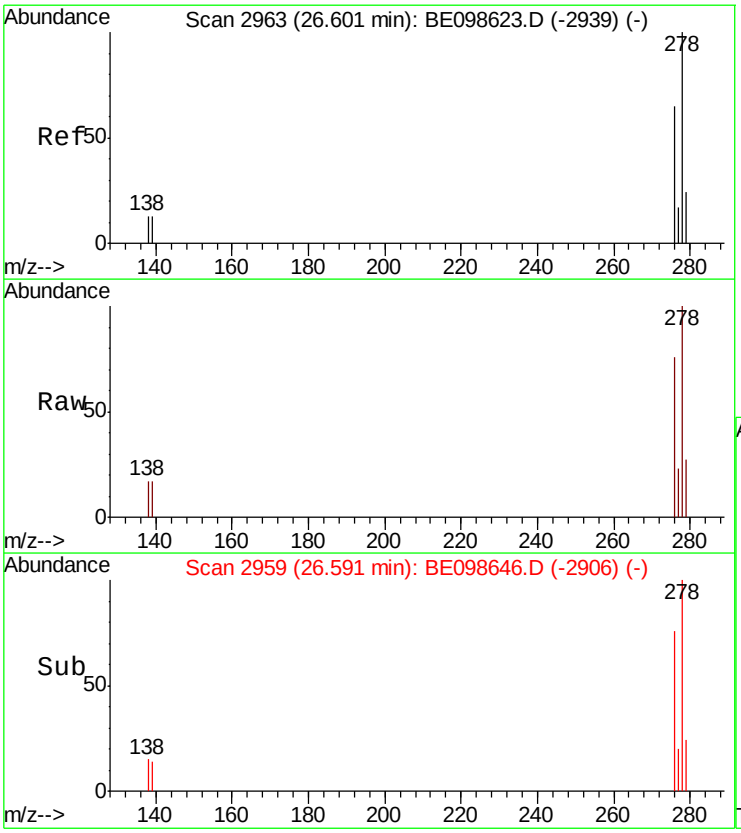
#37
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7739

Ion	Ratio	Lower	Upper
252	100		
253	26.1	21.0	31.4
125	10.6	9.2	13.8

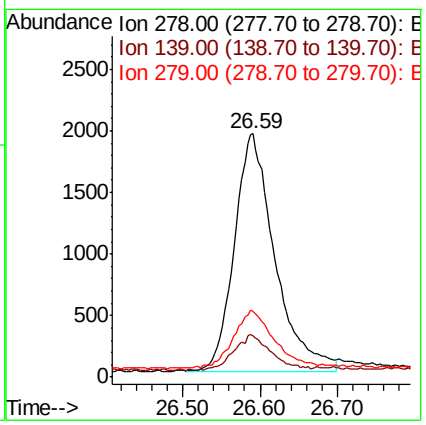


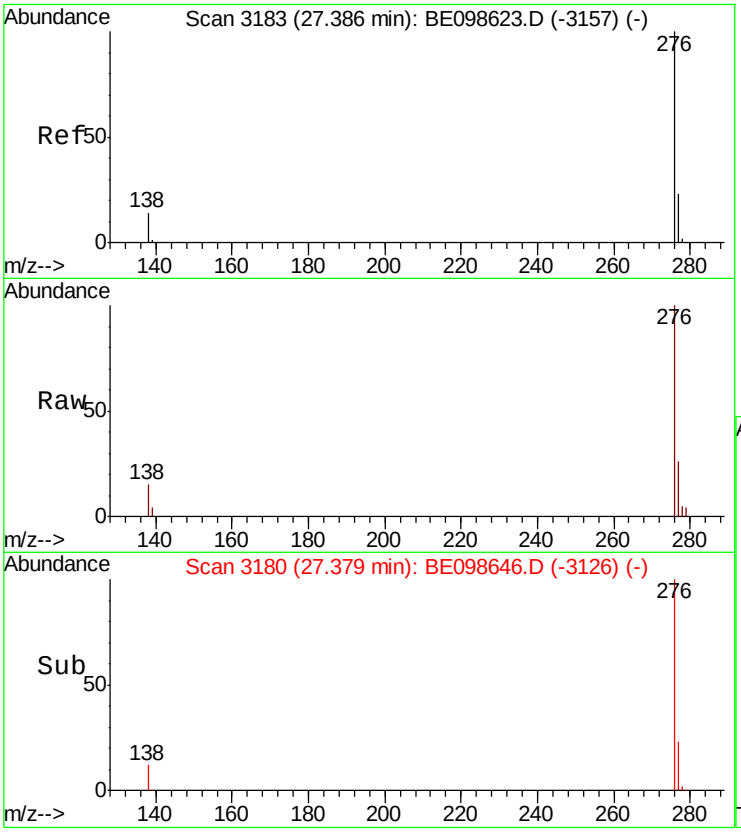


#38
Dibenzo(a,h)anthracene
Concen: 0.382 ng
RT: 26.59 min Scan# 2959
Delta R.T. -0.01 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Tgt Ion:278 Resp: 6997

Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.7	19.1
279	27.2	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 27.38 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BE098646.D
Acq: 17 Jan 2019 9:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7563

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.3	30.5
138	14.7	13.3	19.9