Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031219\
Data File : BE098894.D
Acq On : 12 Mar 2019 12:42
Operator : JU/SJ
Sample : K1841-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE122D2-20190308MS

Quant Time: Mar 12 13:17:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	723	0.40	ng		0.00
7) Naphthalene-d8	10.59	136	3184	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	2054	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	5361	0.40	ng		-0.01
27) Chrysene-d12	21.39	240	6403	0.40	ng		-0.01
34) Perylene-d12	23.90	264	6101	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	243	0.11	ng		0.02
5) Phenol-d6	7.01	99	283	0.09	ng		0.02
8) Nitrobenzene-d5	8.98	82	1246	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.19	152	2712	0.46	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	426	0.41	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	3543	0.42	ng		0.00
25) Fluoranthene-d10	19.24	212	29981	0.35	ng		0.00
29) Terphenyl-d14	19.84	244	8950	0.58	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	8379	7.423	ng	#	94
3) n-Nitrosodimethylamine	3.66	42	164	0.090	ng	#	66
6) bis(2-Chloroethyl)ether	7.23	93	736	0.312	ng	#	74
9) Naphthalene	10.64	128	11886	0.326	ng		99
10) Hexachlorobutadiene	10.91	225	691	0.286	ng		98
12) 2-Methylnaphthalene	12.27	142	1879	0.318	ng		98
16) Acenaphthylene	14.18	152	3310	0.313	ng		97
17) Acenaphthene	14.51	154	2001	0.319	ng		99
18) Fluorene	15.50	166	2836	0.314	ng		99
20) 4-Bromophenyl-phenylether	16.40	248	875	0.301	ng		95
21) Hexachlorobenzene	16.52	284	1092	0.316	ng		96
22) Pentachlorophenol	16.88	266	430	0.630	ng	#	83
23) Phenanthrene	17.25	178	4973	0.326	ng		99
24) Anthracene	17.35	178	3863	0.297	ng		99
26) Fluoranthene	19.27	202	6615	0.308	ng		100
28) Pyrene	19.63	202	6695	0.342	ng		99
30) Benzo(a)anthracene	21.38	228	6282	0.314	ng		98
31) Chrysene	21.43	228	6924	0.324	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	11833	0.278	ng		100
33) Indeno(1,2,3-cd)pyrene	26.53	276	6925	0.307	ng		98
35) Benzo(b)fluoranthene	23.18	252	7149	0.356	ng		96
36) Benzo(k)fluoranthene	23.18	252	7149	0.340	ng		99
37) Benzo(a)pyrene	23.78	252	6151	0.320	ng	#	95
38) Dibenzo(a,h)anthracene	26.56	278	5403	0.297	ng		98
39) Benzo(g,h,i)perylene	27.34	276	6160	0.324	ng		98

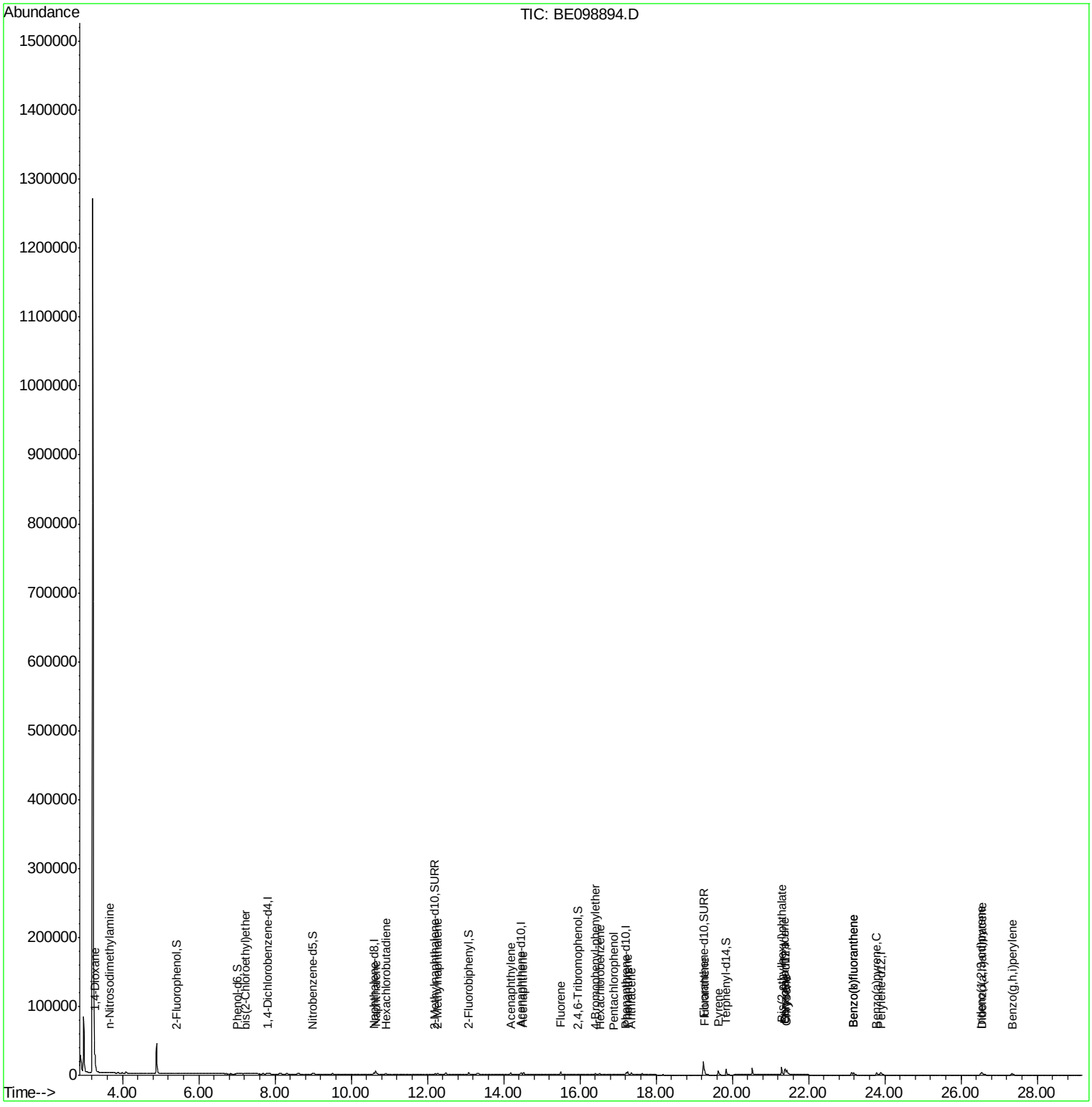
(#) = qualifier out of range (m) = manual integration (+) = signals summed

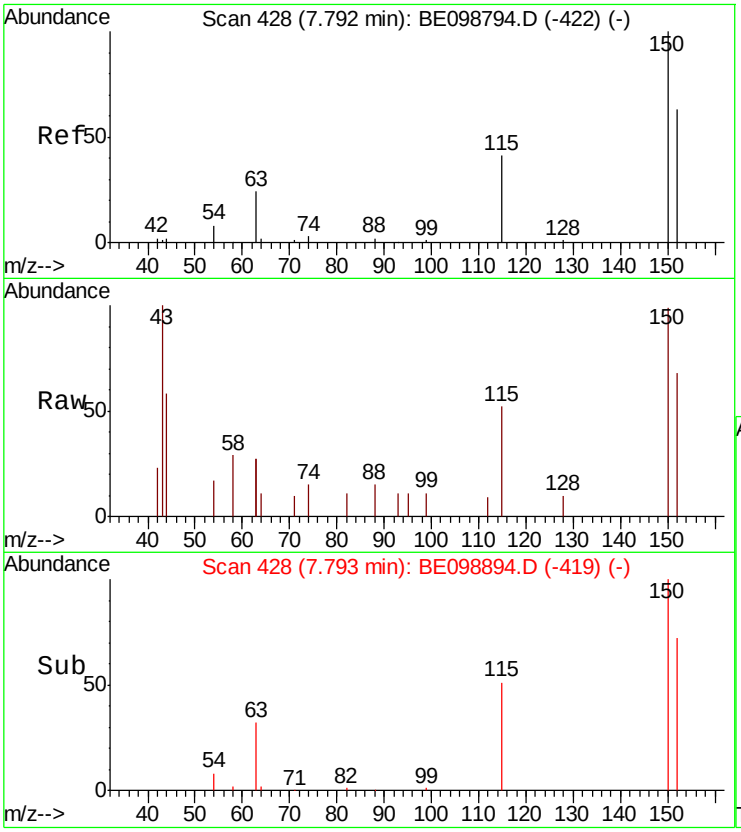
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031219\
Data File : BE098894.D
Acq On : 12 Mar 2019 12:42
Operator : JU/SJ
Sample : K1841-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Quant Time: Mar 12 13:17:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration



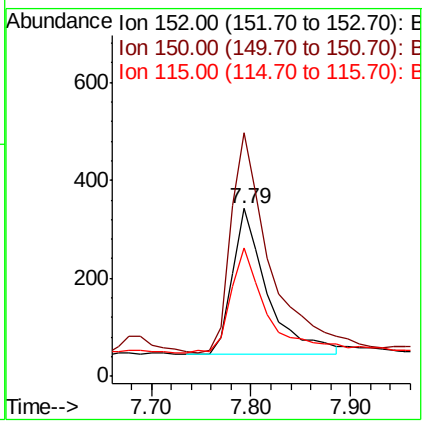


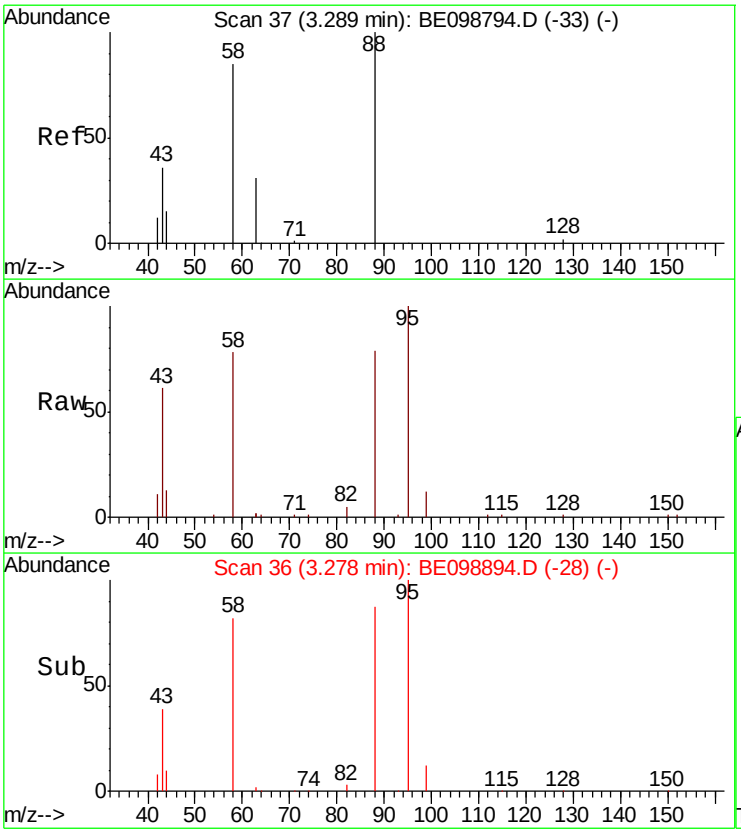
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:152 Resp: 723

Ion	Ratio	Lower	Upper
152	100		
150	145.3	122.5	183.7
115	76.9	57.4	86.2

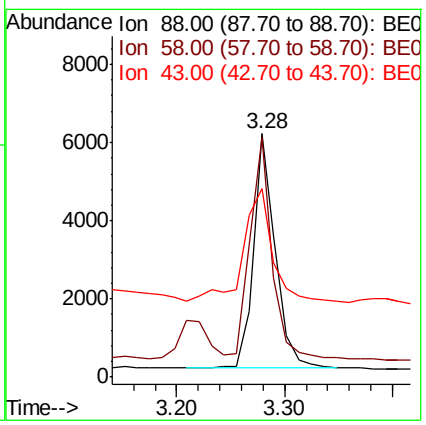


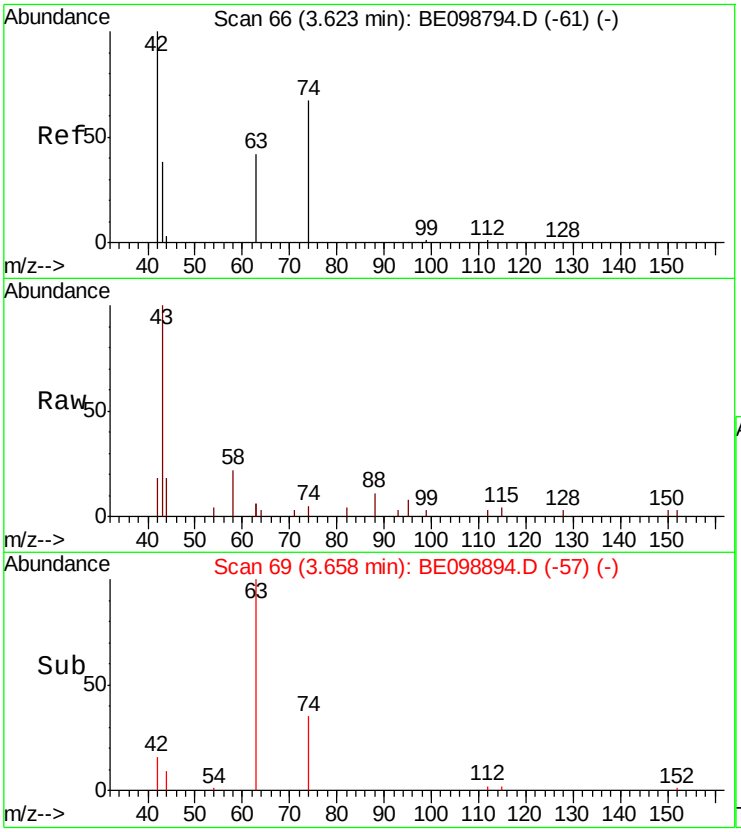


#2
1,4-Dioxane
Concen: 7.423 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion: 88 Resp: 8379

Ion	Ratio	Lower	Upper
88	100		
58	93.1	75.8	113.6
43	62.9	41.8	62.8#



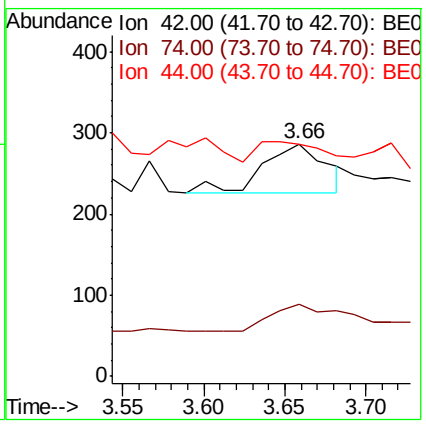


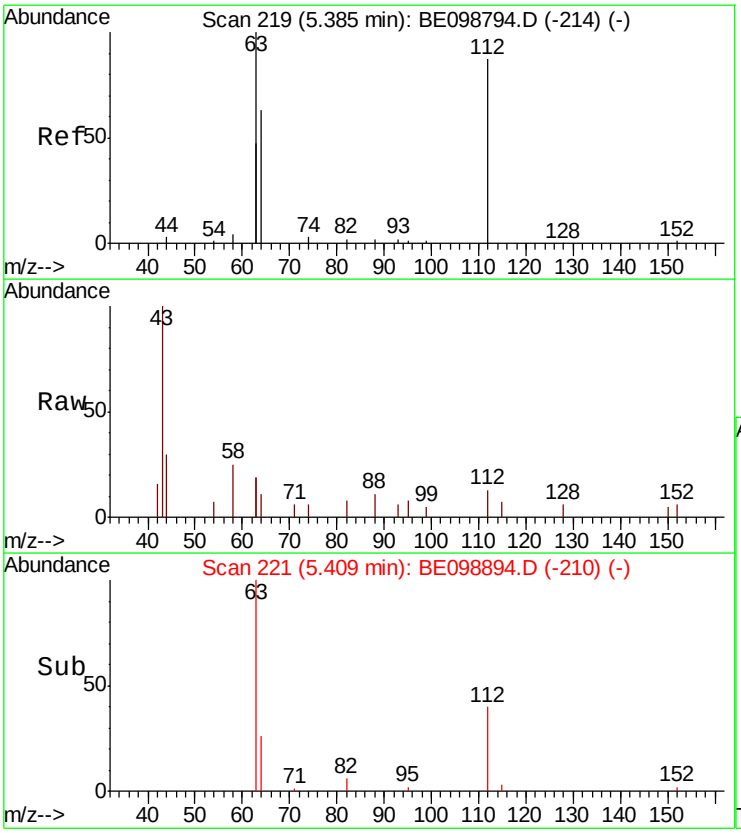
#3
n-Nitrosodimethylamine
Concen: 0.090 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.04 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion: 42 Resp: 164

Ion	Ratio	Lower	Upper
42	100		
74	42.7	57.0	85.4#
44	0.0	0.0	0.0

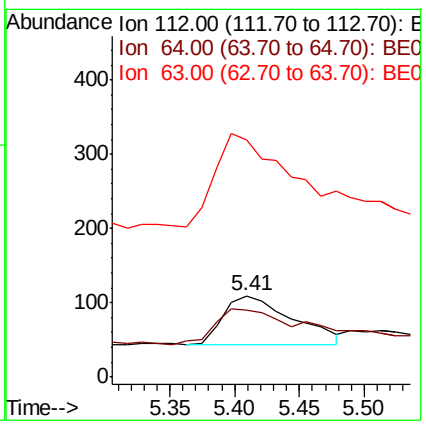


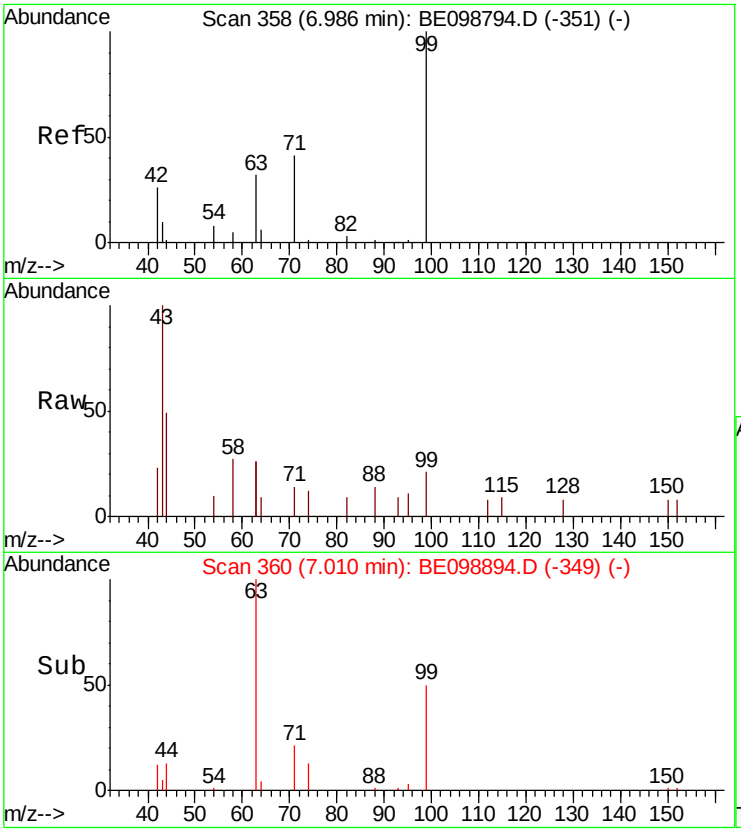


#4
2-Fluorophenol
Concen: 0.112 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.02 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:112 Resp: 243

Ion	Ratio	Lower	Upper
112	100		
64	116.5	57.9	86.9#
63	277.0	158.3	237.5#



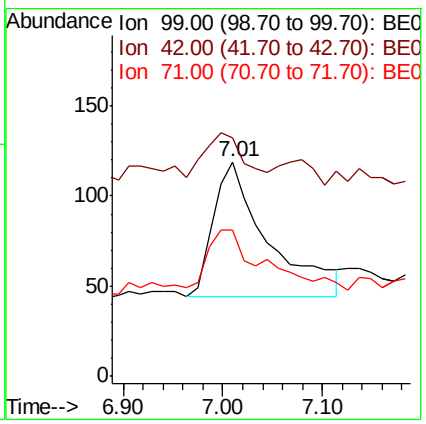


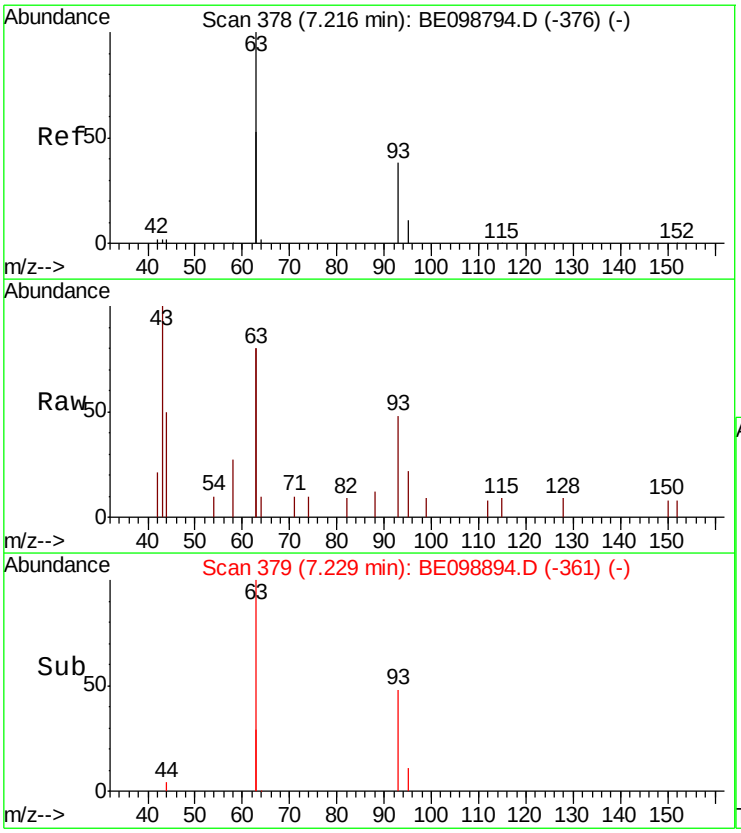
#5
Phenol-d6
Concen: 0.093 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.02 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion: 99 Resp: 283

Ion	Ratio	Lower	Upper
99	100		
42	23.3	24.2	36.2#
71	45.2	35.7	53.5

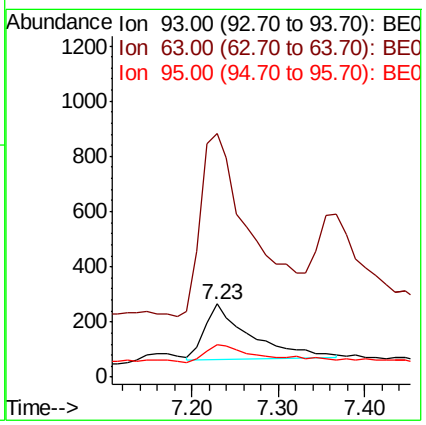


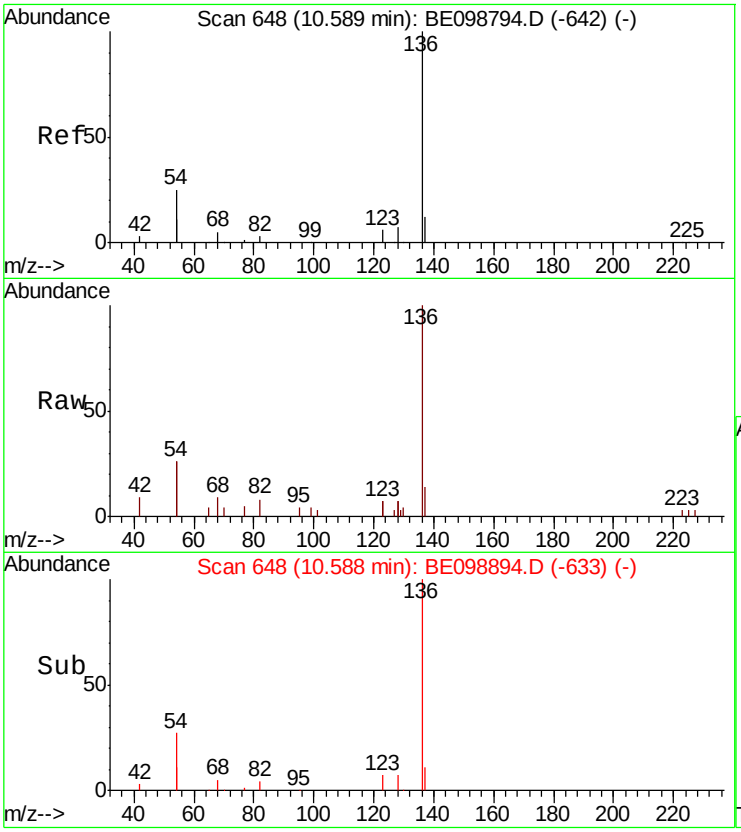


#6
bis(2-Chloroethyl)ether
Concen: 0.312 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion: 93 Resp: 736

Ion	Ratio	Lower	Upper
93	100		
63	361.5	247.5	371.3
95	37.5	21.8	32.8#



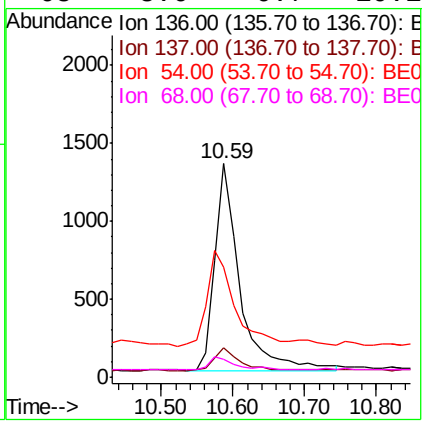


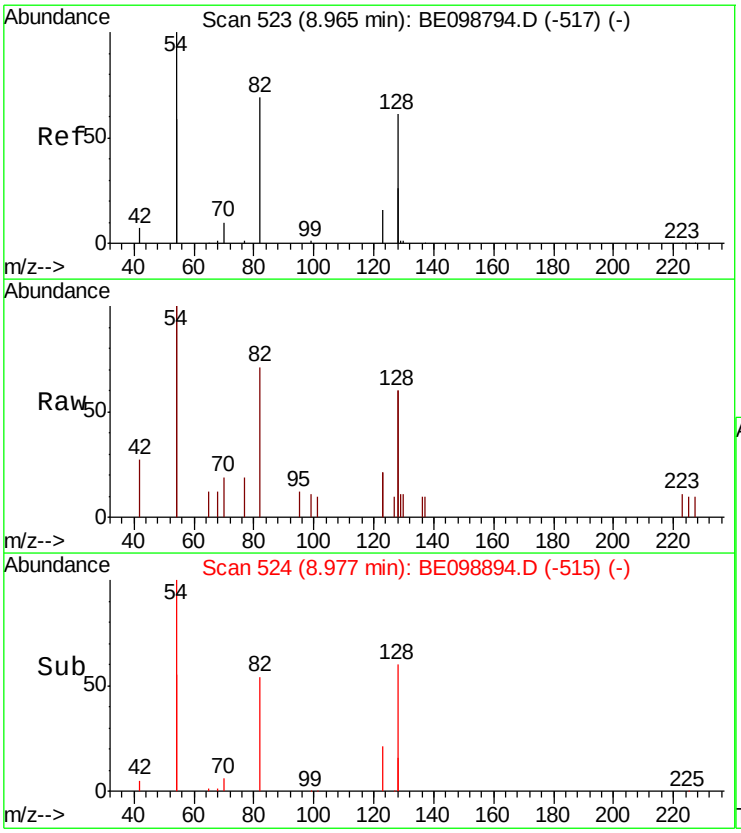
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:136 Resp: 3184

Ion	Ratio	Lower	Upper
136	100		
137	13.6	11.4	17.0
54	51.8	39.3	58.9
68	8.6	6.7	10.1

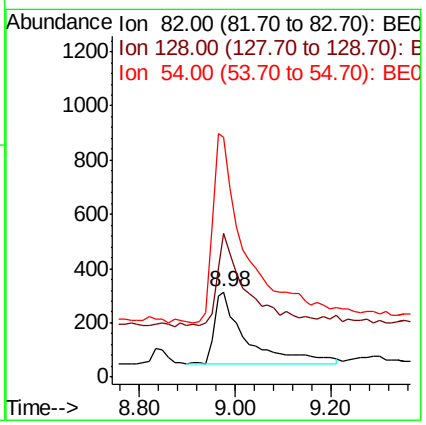


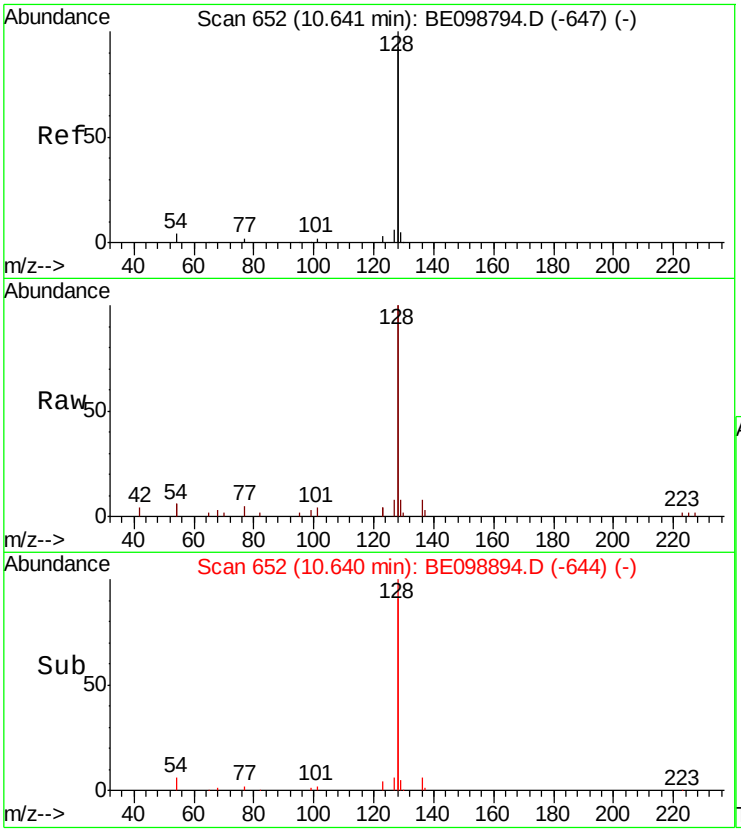


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion: 82 Resp: 1246

Ion	Ratio	Lower	Upper
82	100		
128	169.3	123.8	185.8
54	283.1	203.4	305.2



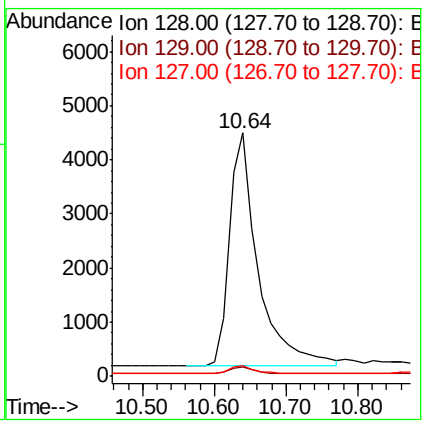


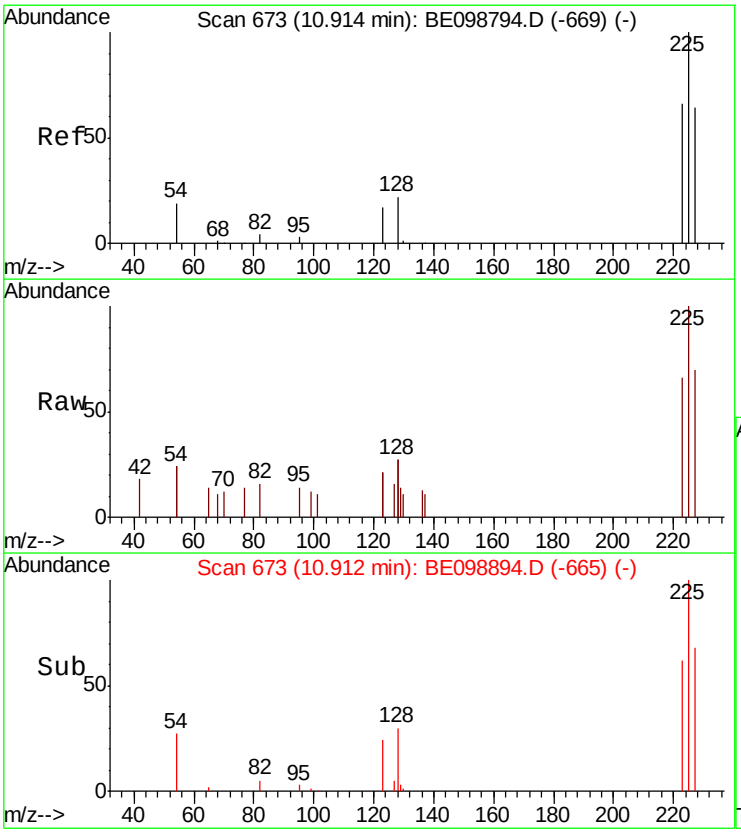
#9
Naphthalene
Concen: 0.326 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:128 Resp: 11886

Ion	Ratio	Lower	Upper
128	100		
129	3.8	2.6	4.0
127	4.2	3.1	4.7

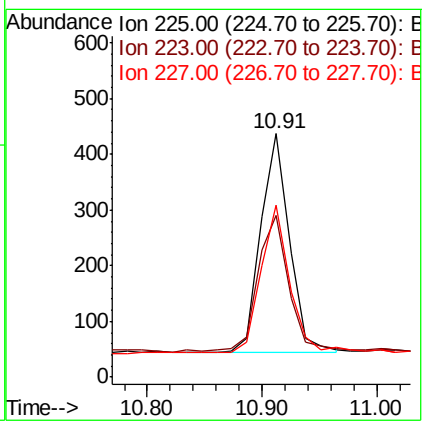


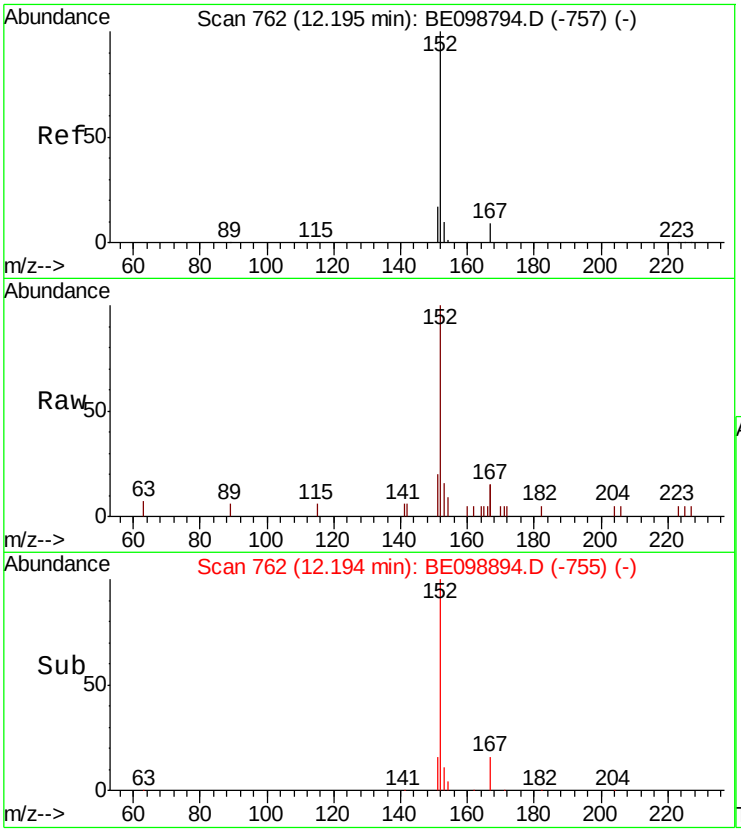


#10
Hexachlorobutadiene
Concen: 0.286 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:225 Resp: 691

Ion	Ratio	Lower	Upper
225	100		
223	65.4	51.1	76.7
227	65.7	51.6	77.4



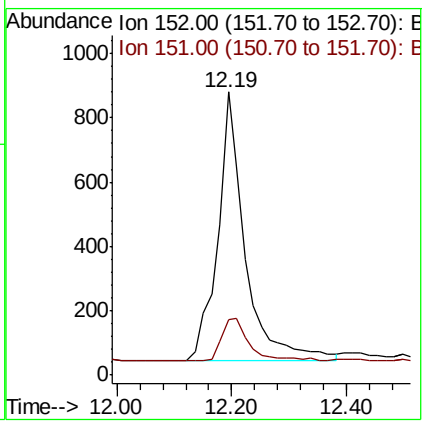


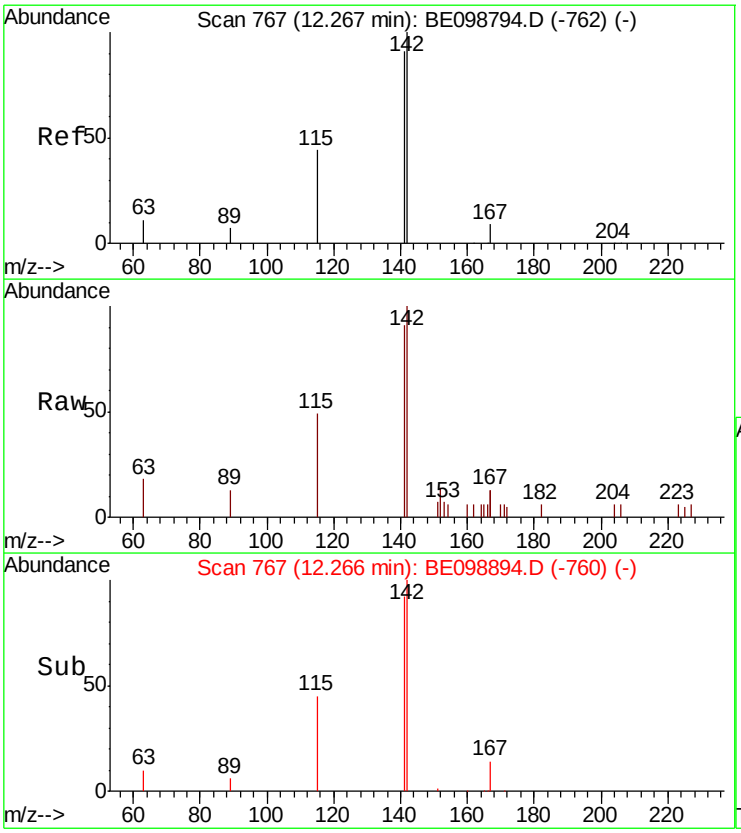
#11
2-Methylnaphthalene-d10
Concen: 0.461 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:152 Resp: 2712

Ion	Ratio	Lower	Upper
152	100		
151	16.4	16.5	24.7#

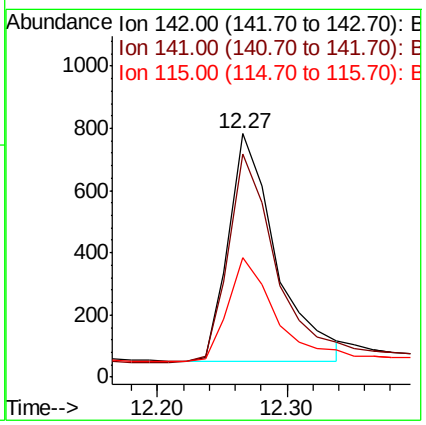


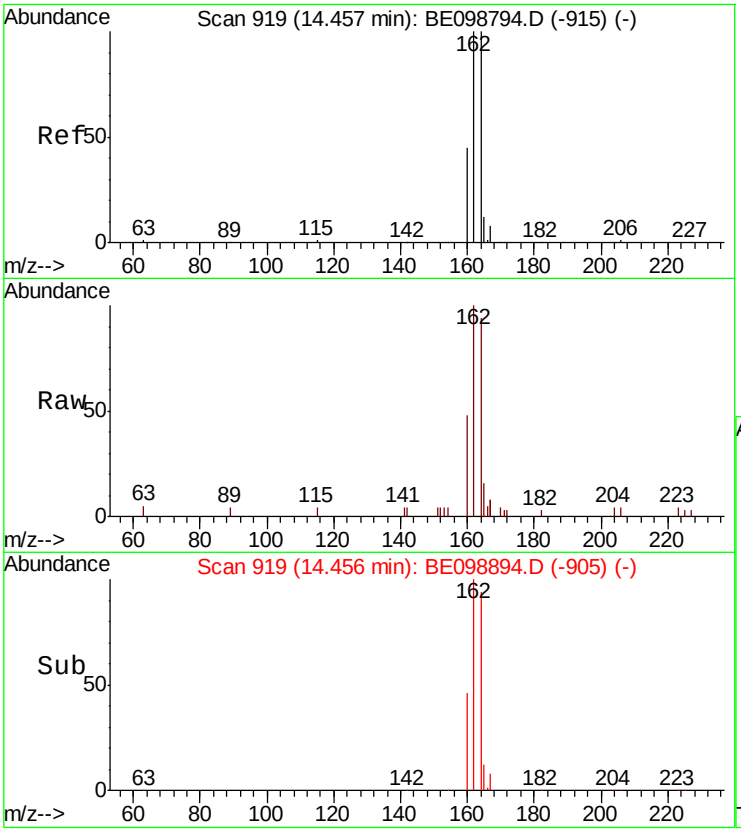


#12
2-Methylnaphthalene
Concen: 0.318 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:142 Resp: 1879

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.6	108.8
115	48.9	37.4	56.2



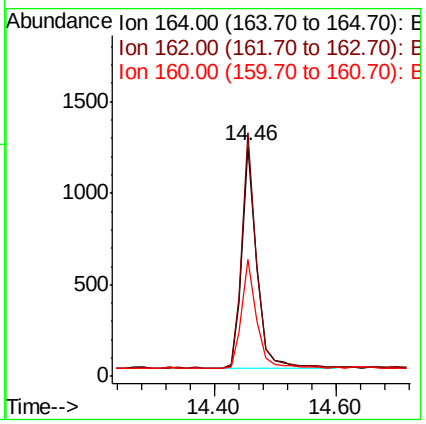


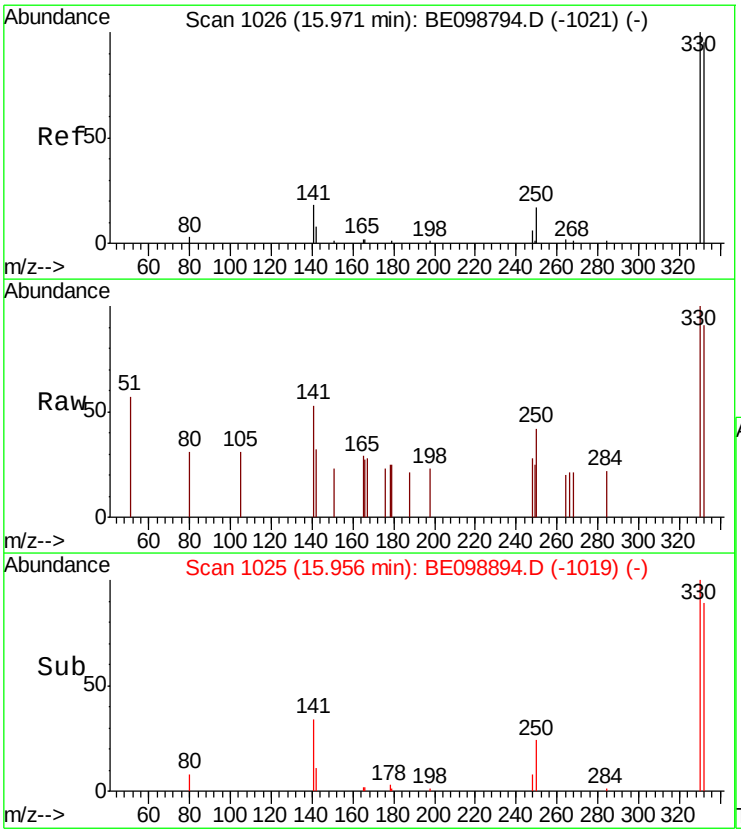
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:164 Resp: 2054

Ion	Ratio	Lower	Upper
164	100		
162	106.0	80.2	120.2
160	50.9	37.8	56.8

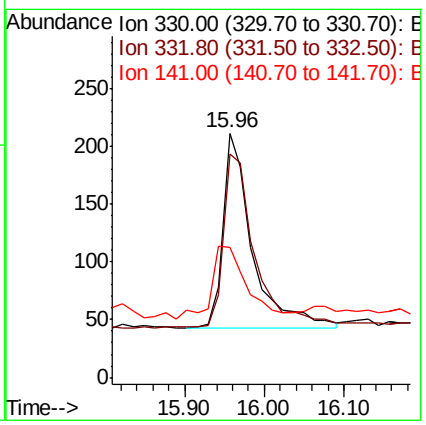


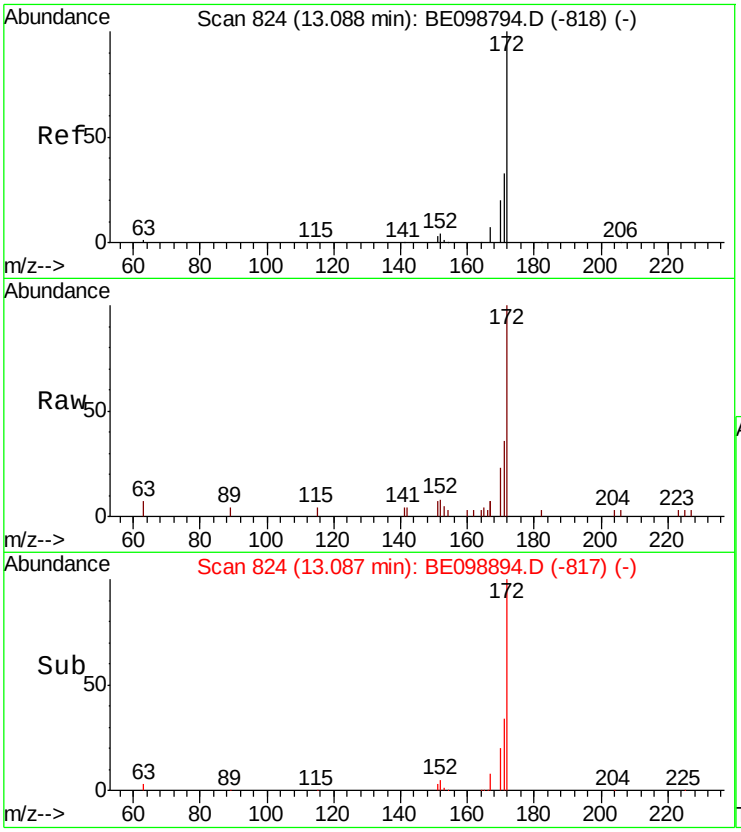


#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:330 Resp: 426

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	34.0	31.0	46.4



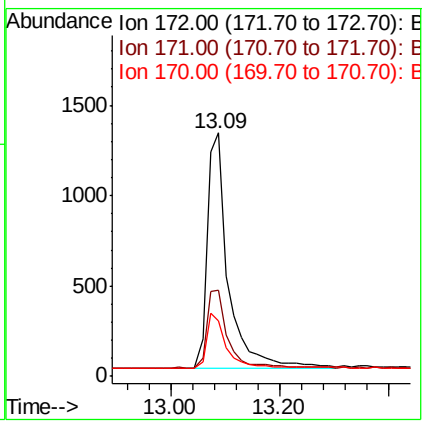


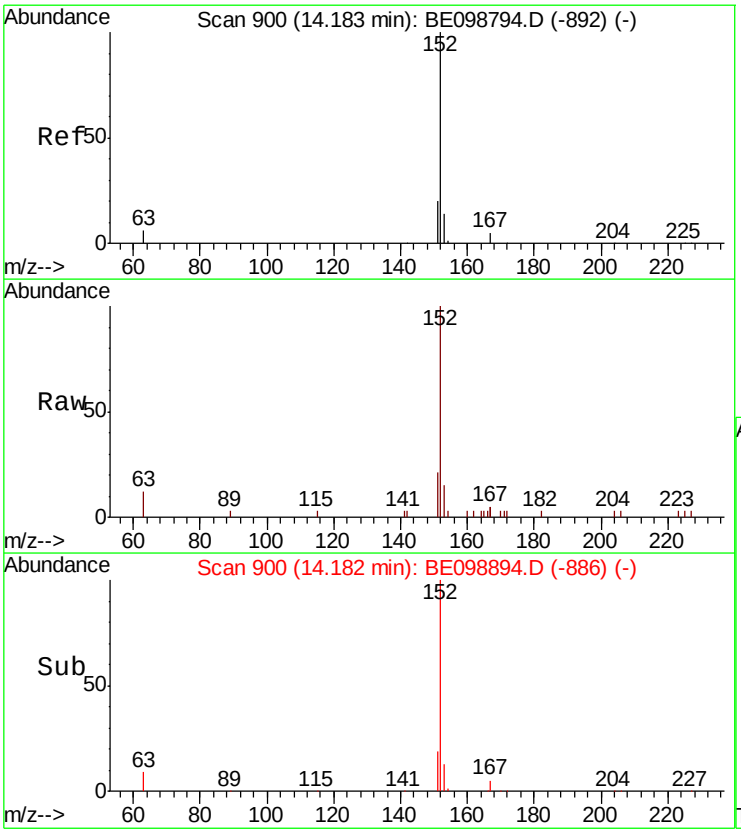
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:172 Resp: 3543

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	22.6	17.7	26.5

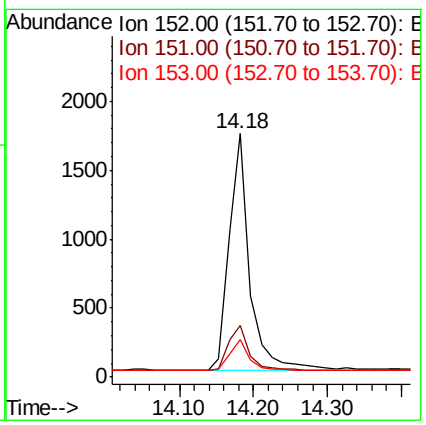


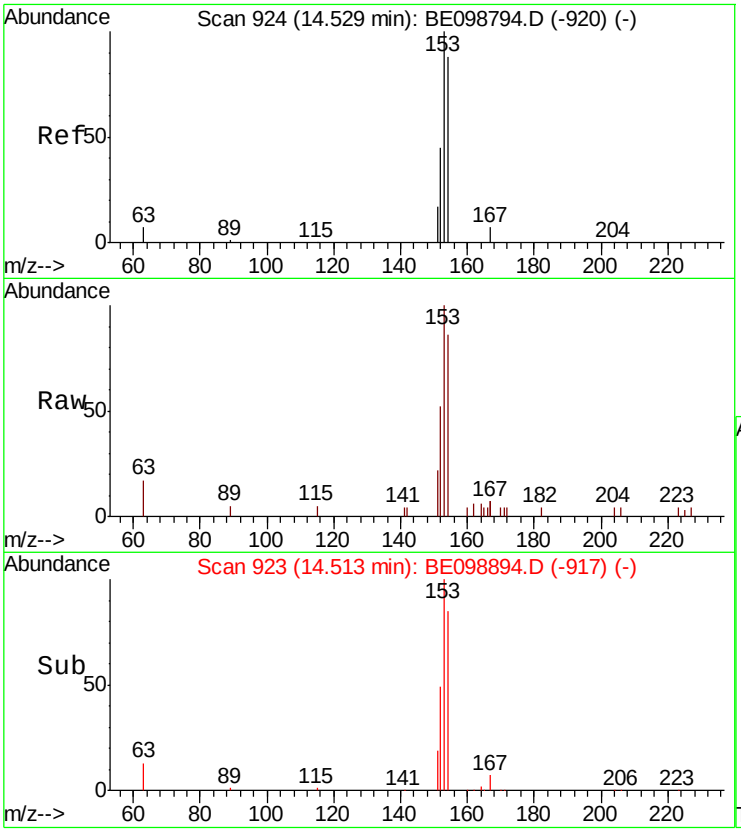


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:152 Resp: 3310

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.6
153	13.0	11.2	16.8



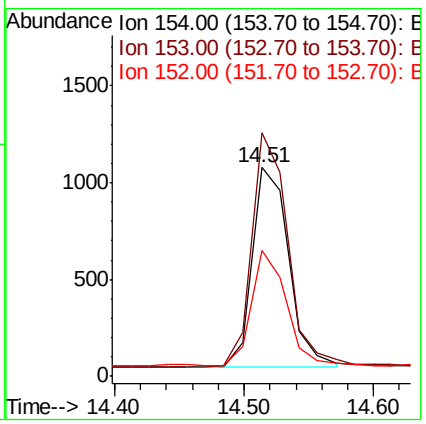


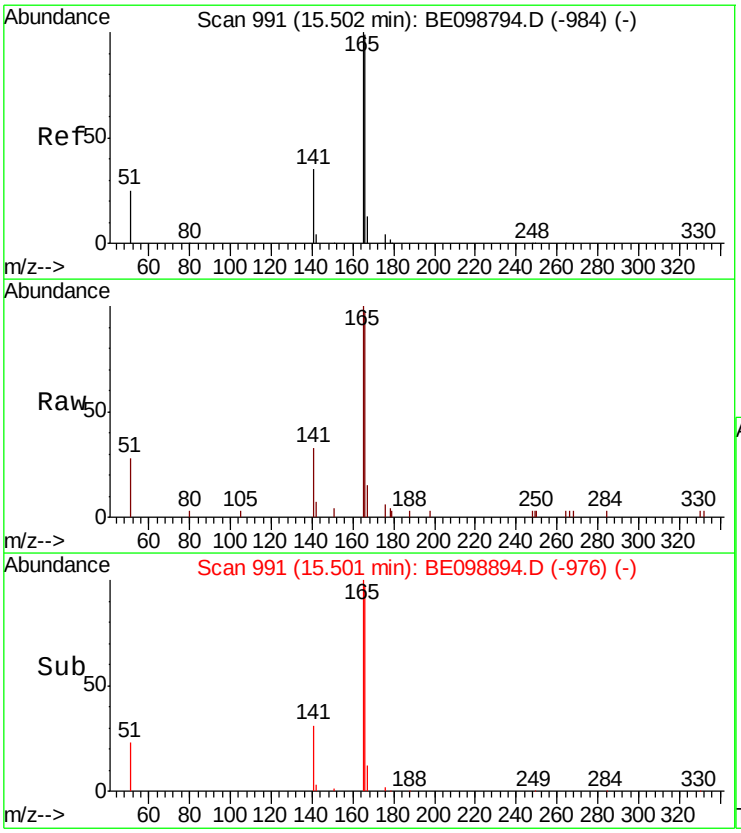
#17
Acenaphthene
Concen: 0.319 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:154 Resp: 2001

Ion	Ratio	Lower	Upper
154	100		
153	116.8	94.2	141.4
152	55.3	45.0	67.4

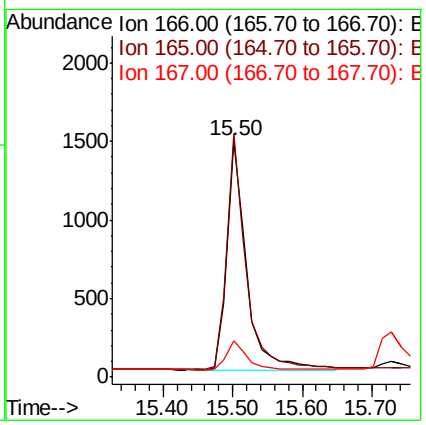


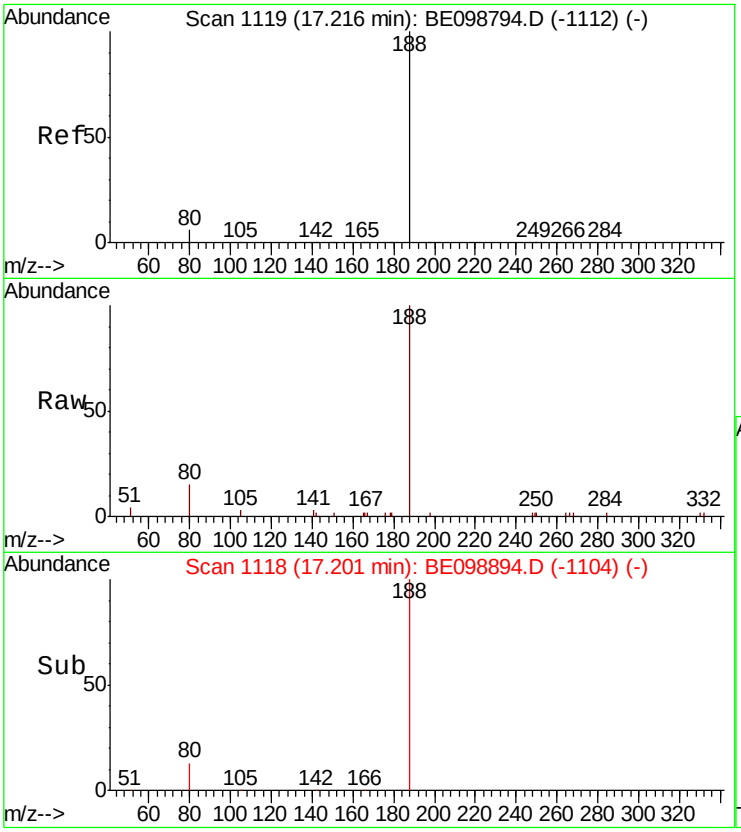


#18
Fluorene
Concen: 0.314 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:166 Resp: 2836

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.3	118.9
167	13.1	10.5	15.7



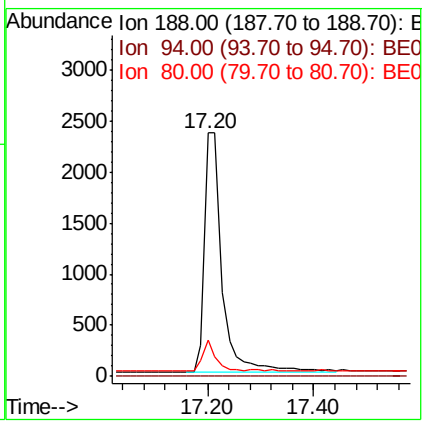


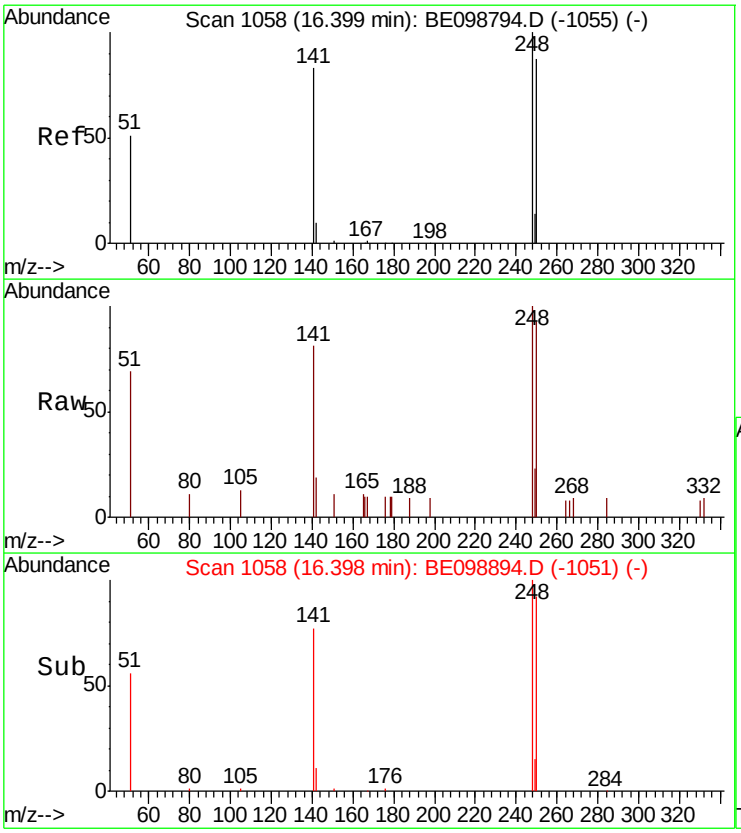
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:188 Resp: 5361

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.9	6.3	9.5#

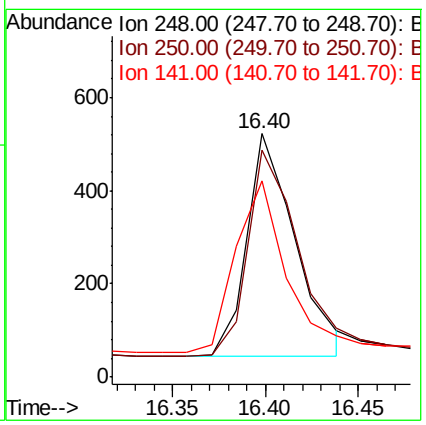


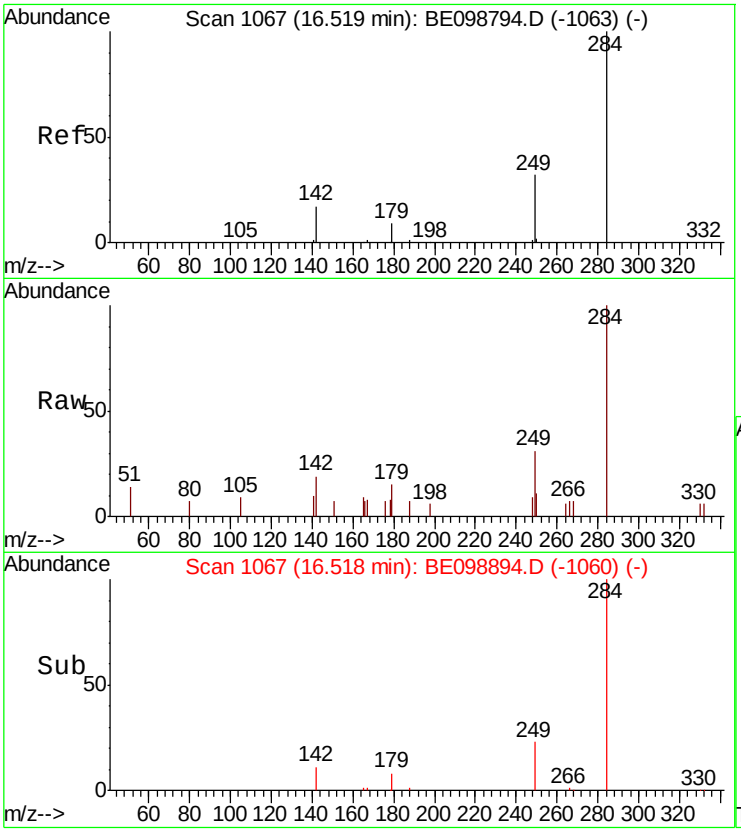


#20
4-Bromophenyl-phenylether
Concen: 0.301 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:248 Resp: 875

Ion	Ratio	Lower	Upper
248	100		
250	93.1	70.6	105.8
141	80.7	68.6	102.8



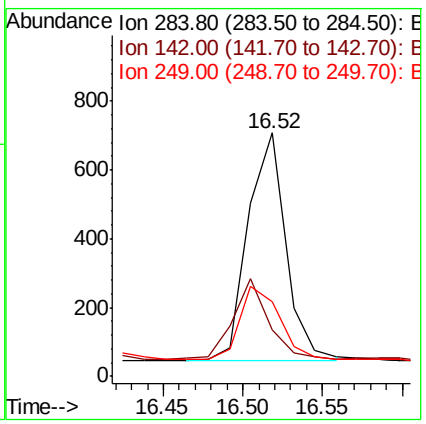


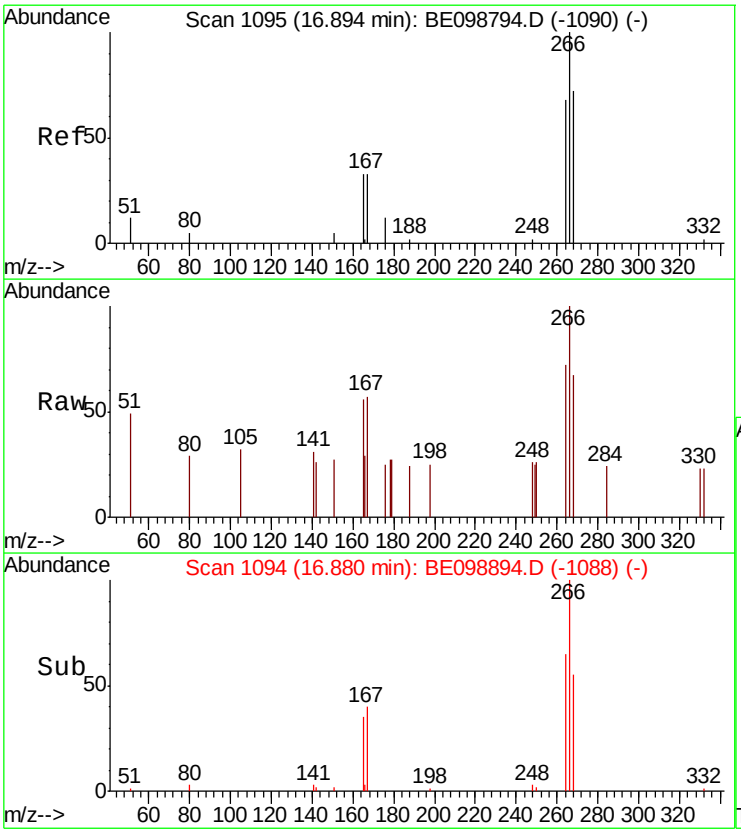
#21
Hexachlorobenzene
Concen: 0.316 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:284 Resp: 1092

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	34.0	29.6	44.4

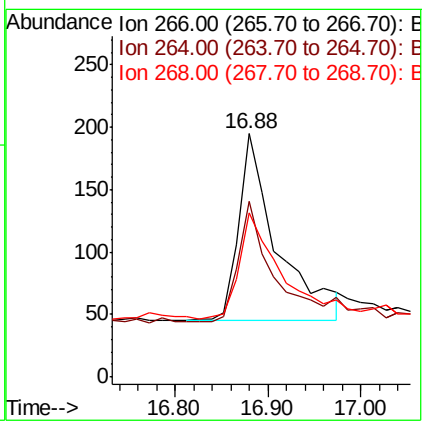


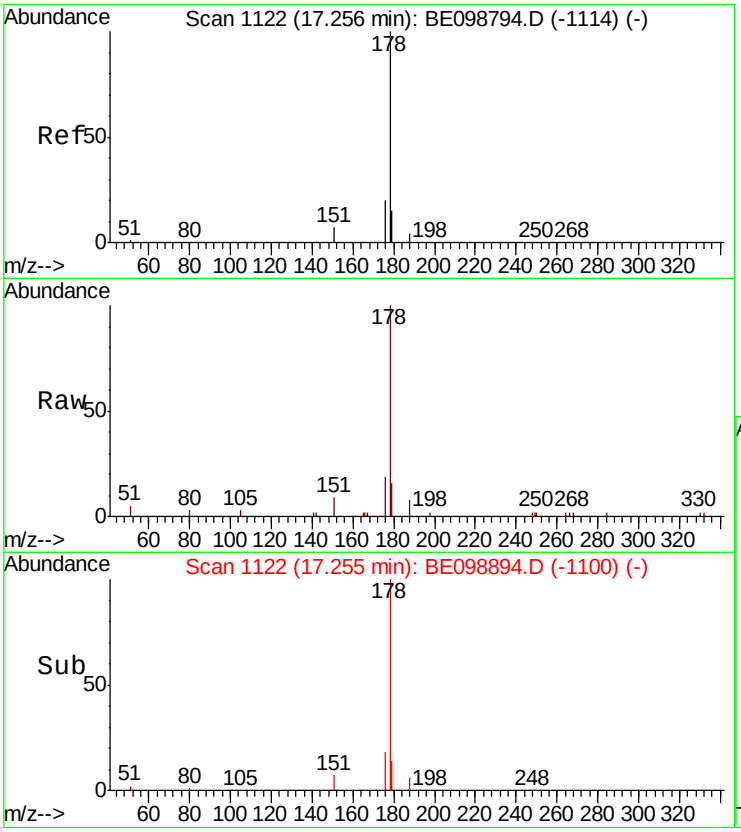


#22
Pentachlorophenol
Concen: 0.630 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:266 Resp: 430

Ion	Ratio	Lower	Upper
266	100		
264	72.3	66.6	100.0
268	67.2	69.8	104.8#



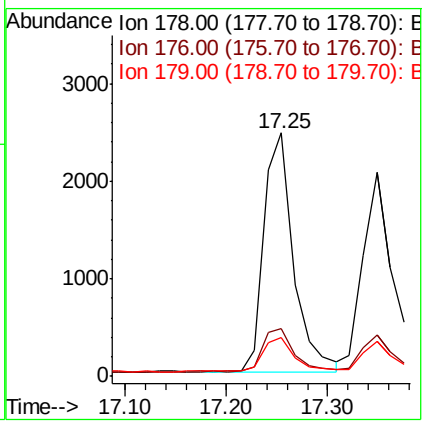


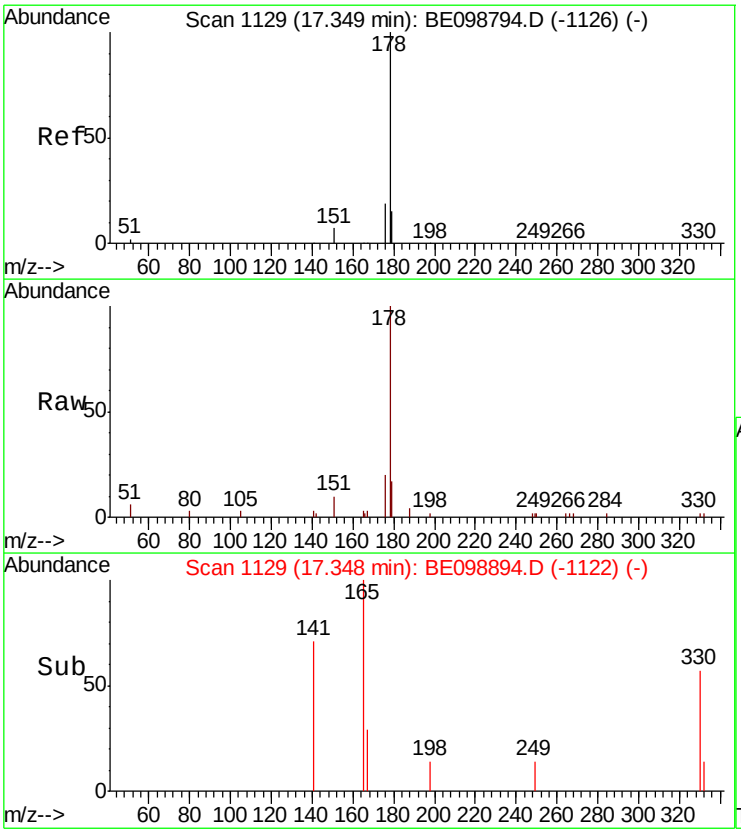
#23
Phenanthrene
Concen: 0.326 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:178 Resp: 4973

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.3	12.1	18.1

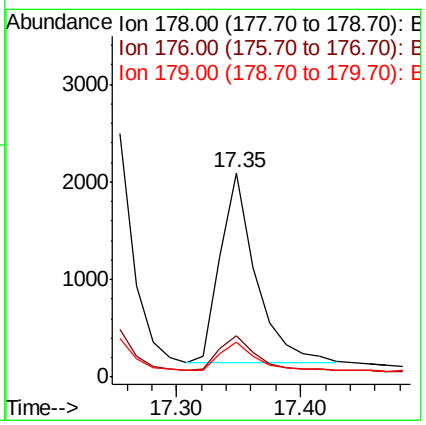


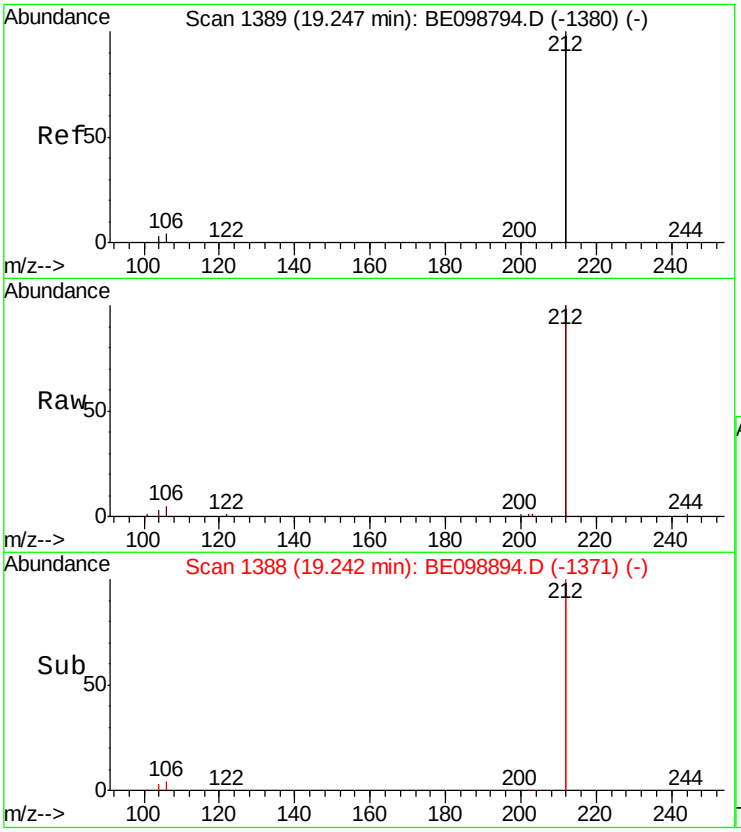


#24
Anthracene
Concen: 0.297 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:178 Resp: 3863

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.6	12.2	18.4



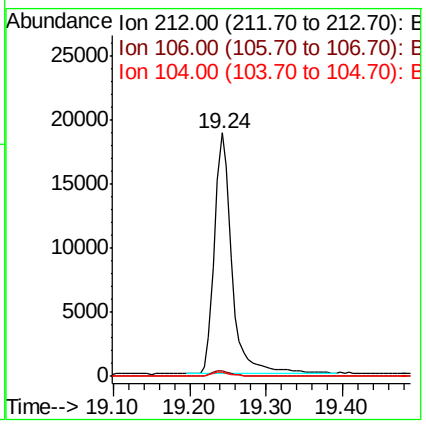


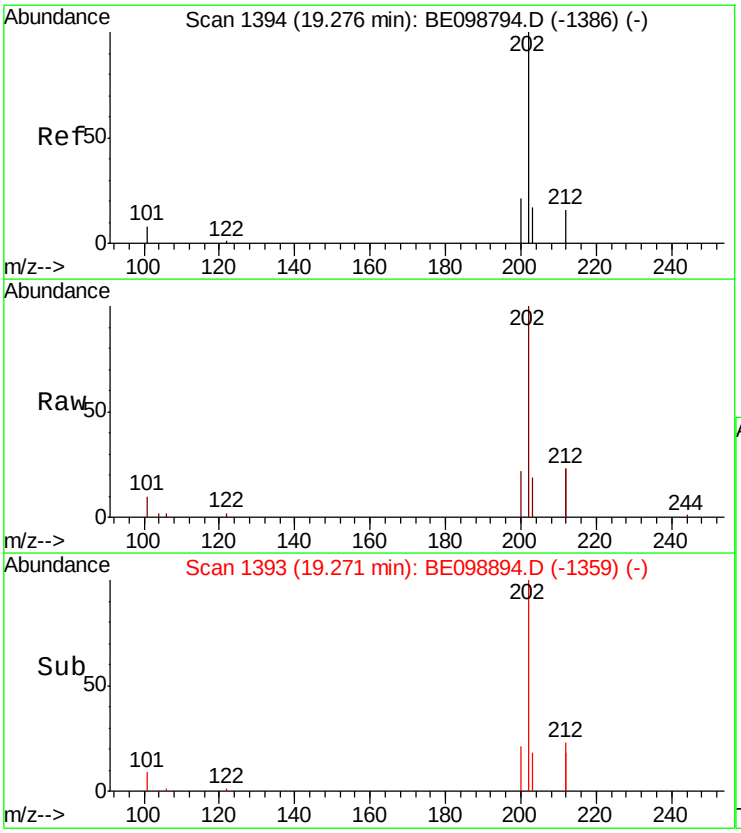
#25
Fluoranthene-d10
Concen: 0.350 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:212 Resp: 29981

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.0	1.6

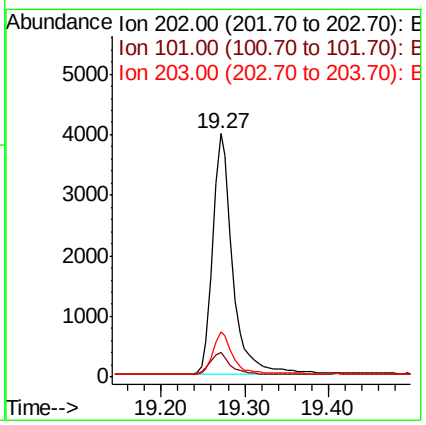


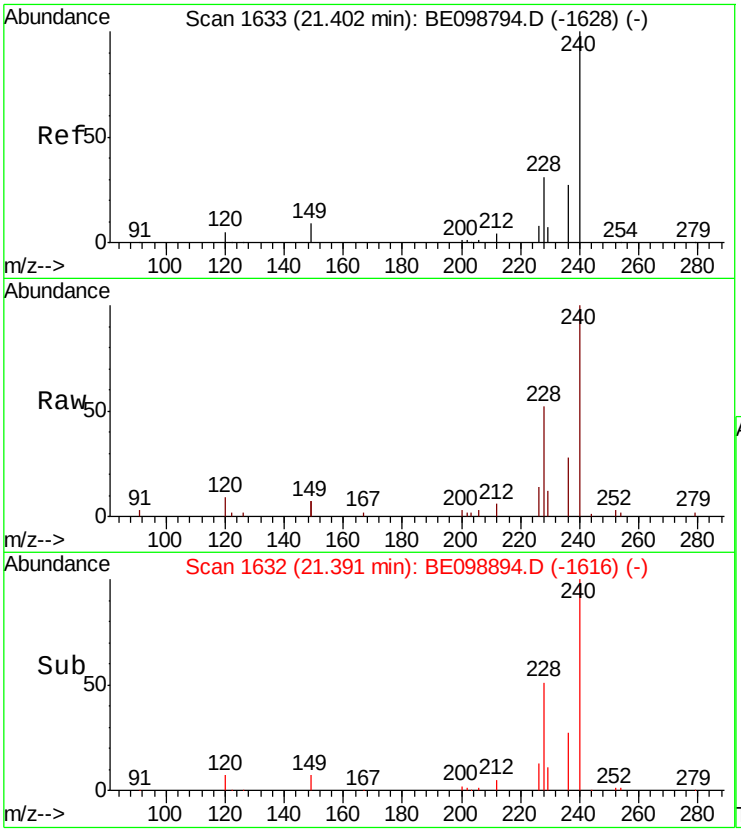


#26
Fluoranthene
Concen: 0.308 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:202 Resp: 6615

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.3	10.9
203	16.9	13.4	20.2



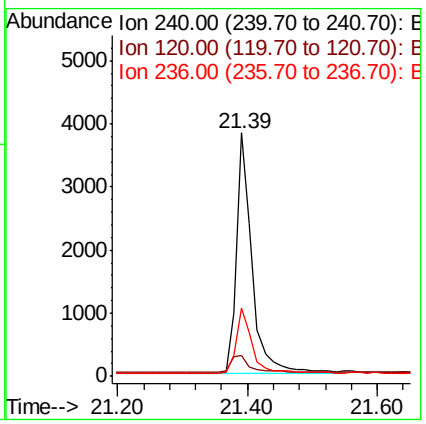


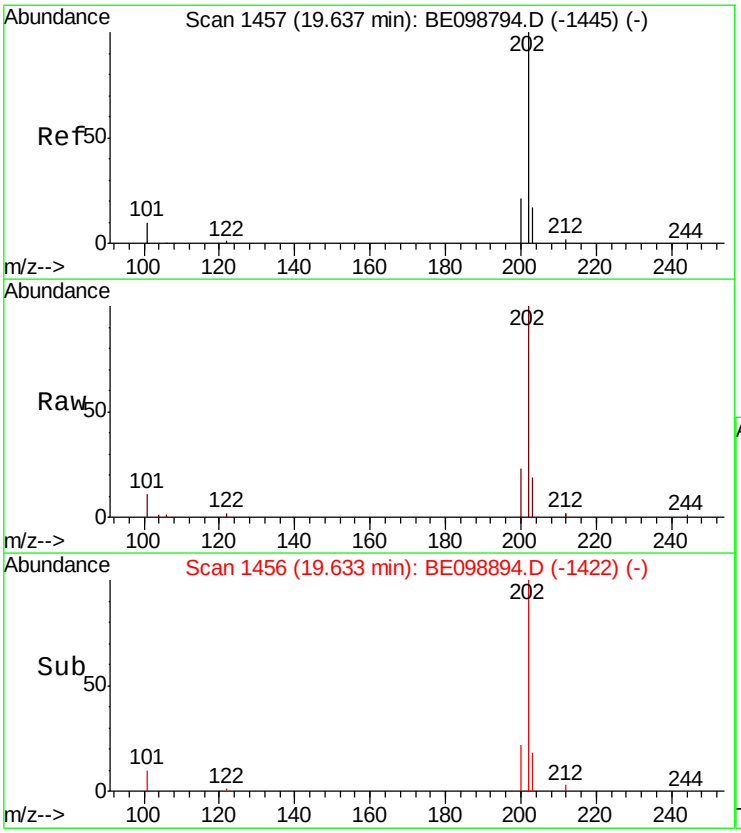
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:240 Resp: 6403

Ion	Ratio	Lower	Upper
240	100		
120	8.7	5.0	7.4#
236	27.9	22.7	34.1

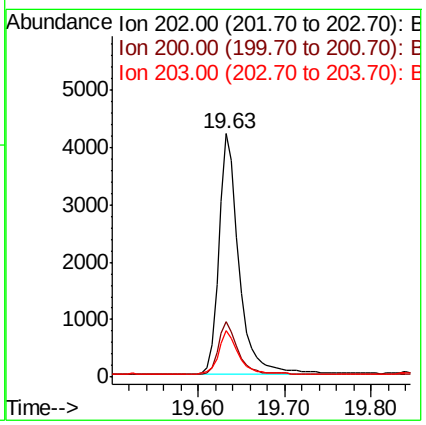


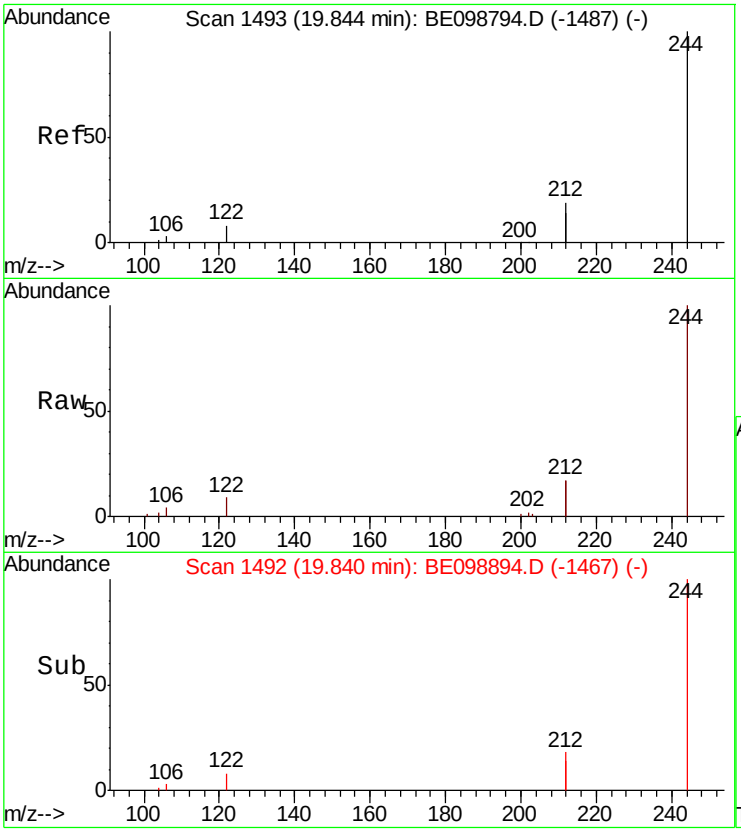


#28
Pyrene
Concen: 0.342 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:202 Resp: 6695

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.6
203	18.1	14.2	21.2



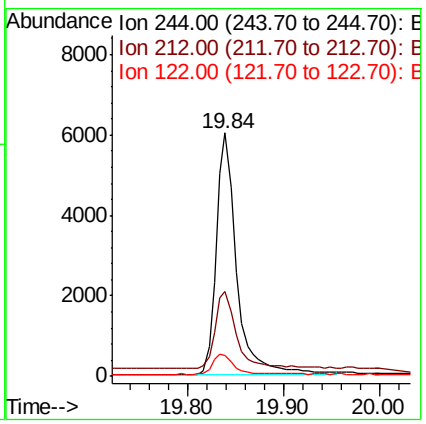


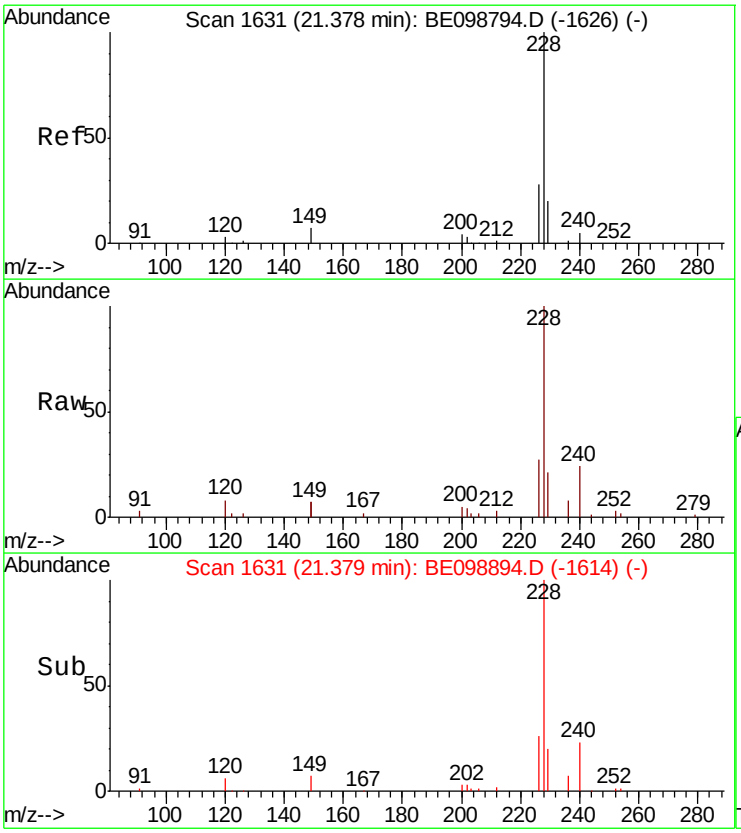
#29
Terphenyl-d14
Concen: 0.575 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:244 Resp: 8950

Ion	Ratio	Lower	Upper
244	100		
212	34.9	29.4	44.2
122	8.7	7.1	10.7

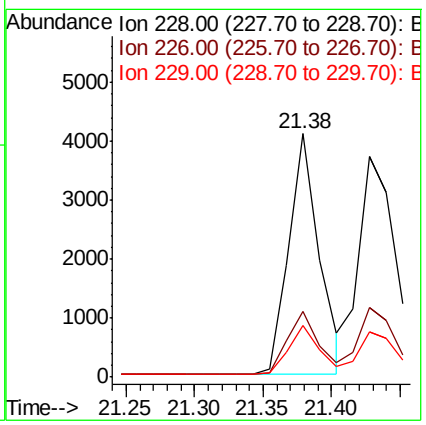


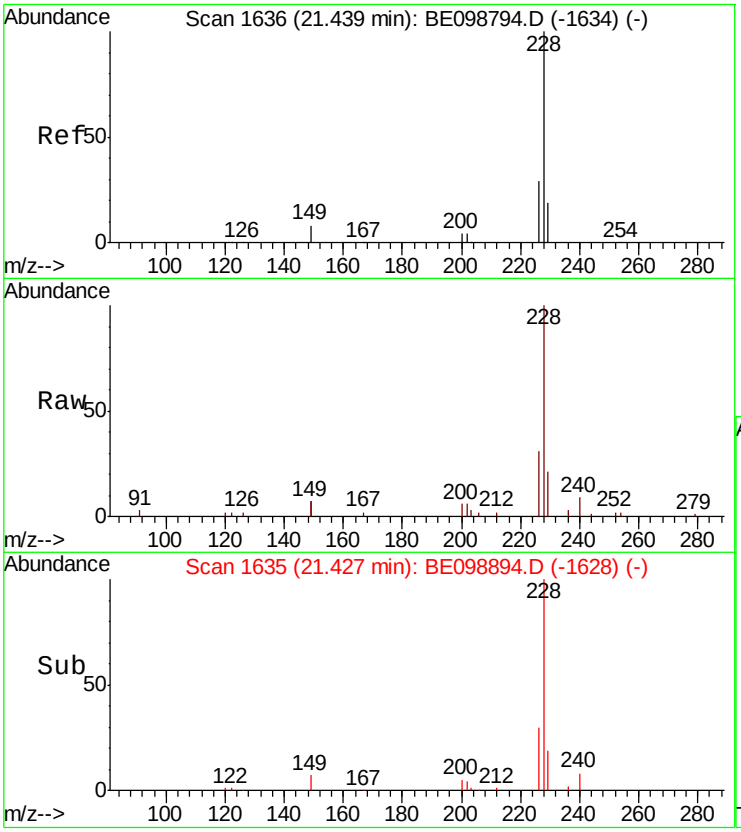


#30
Benzo(a)anthracene
Concen: 0.314 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:228 Resp: 6282

Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.0	34.4
229	21.0	16.5	24.7



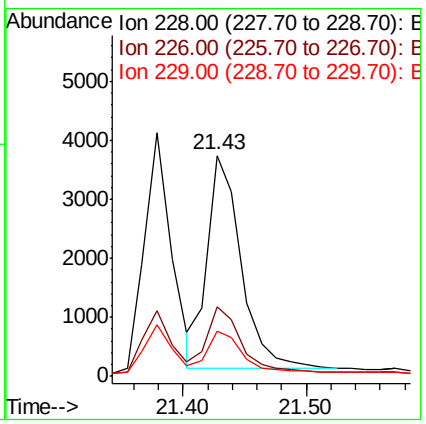


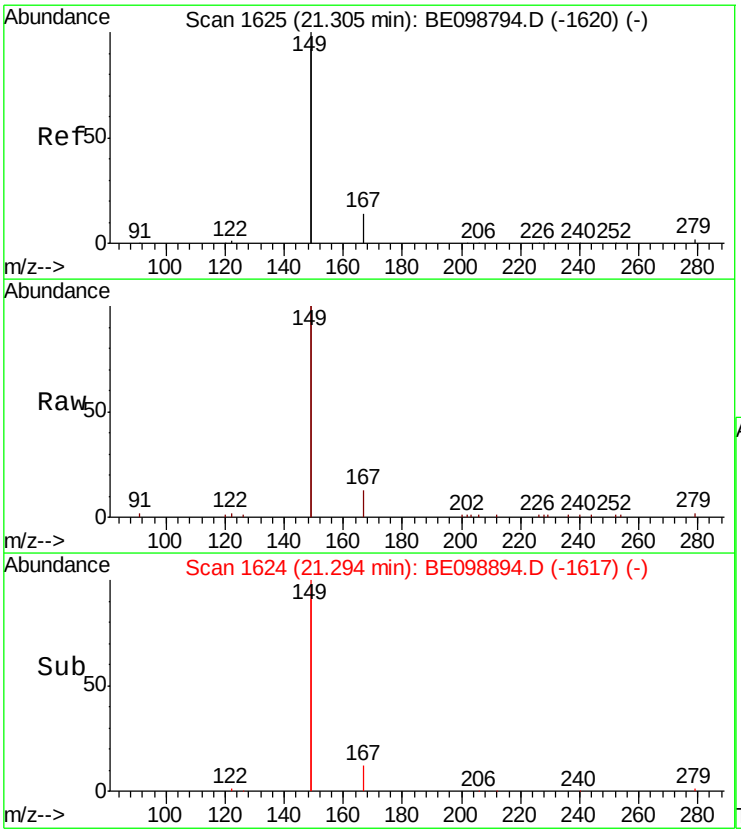
#31
Chrysene
Concen: 0.324 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:228 Resp: 6924

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.7	35.5
229	20.5	16.1	24.1

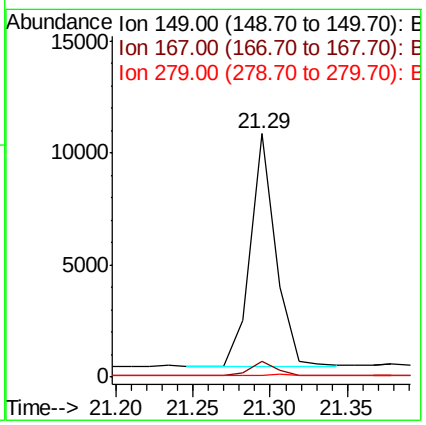


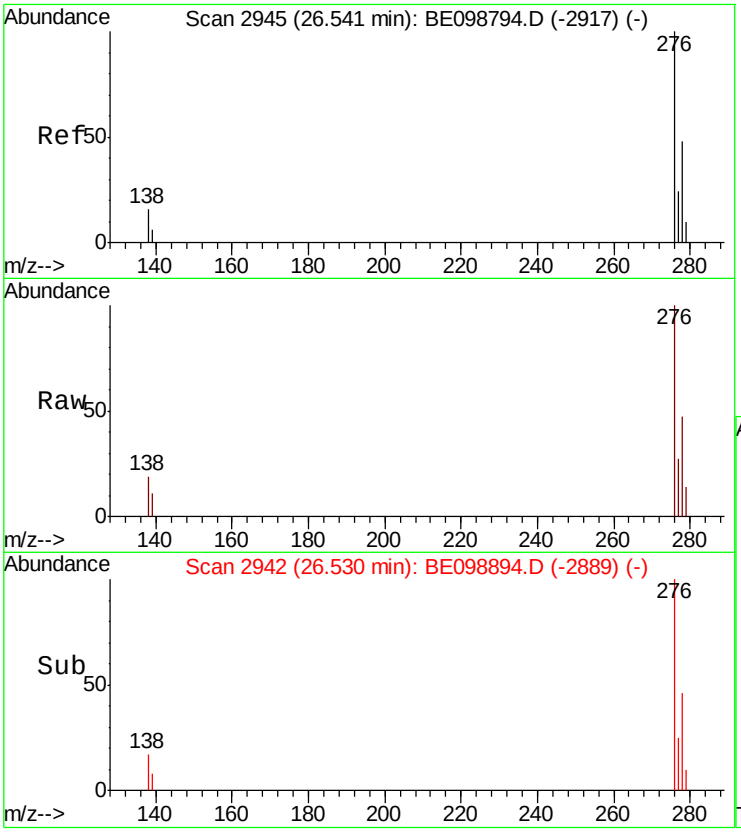


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.278 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:149 Resp: 11833

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.1	1.0	1.4



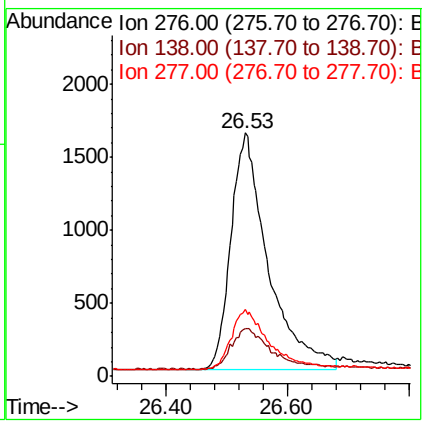


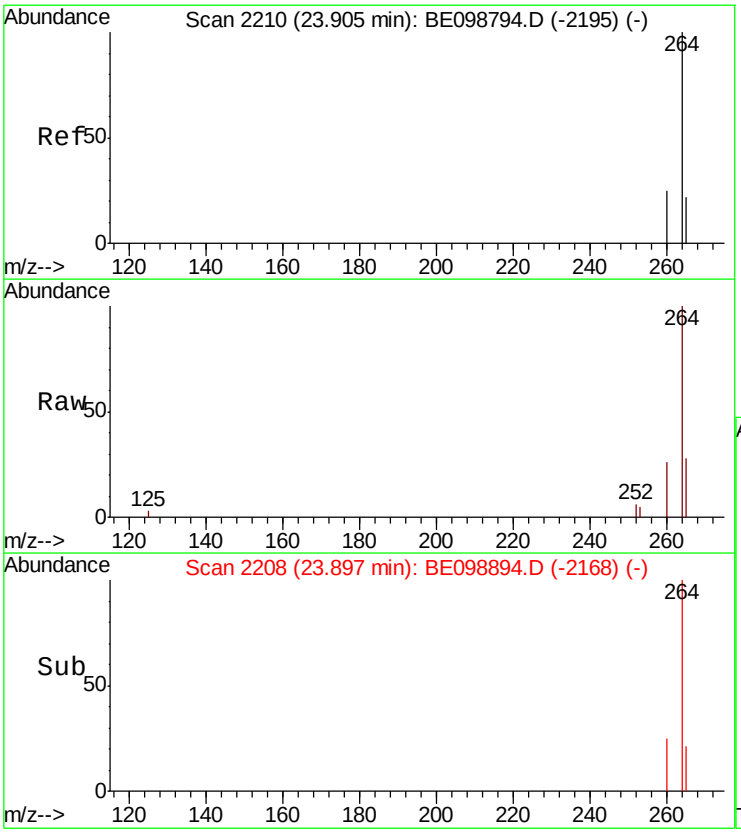
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.307 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:276 Resp: 6925

Ion	Ratio	Lower	Upper
276	100		
138	18.1	13.8	20.8
277	25.2	19.5	29.3

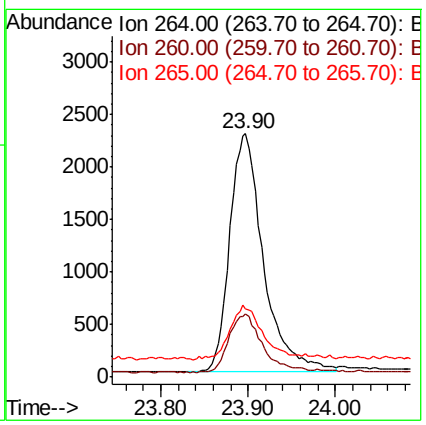


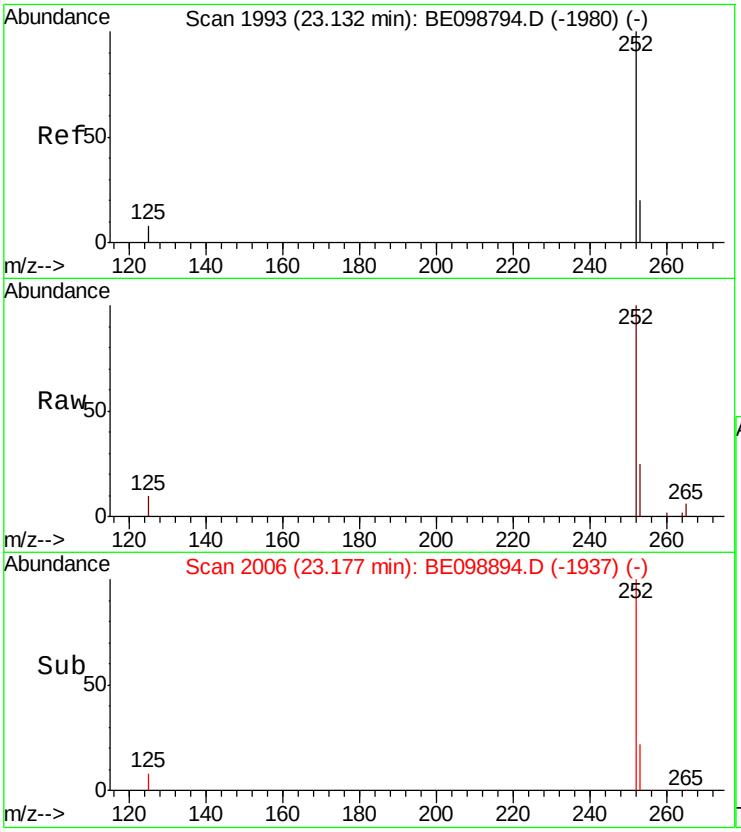


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:264 Resp: 6101

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.2	31.8
265	28.1	24.6	36.8



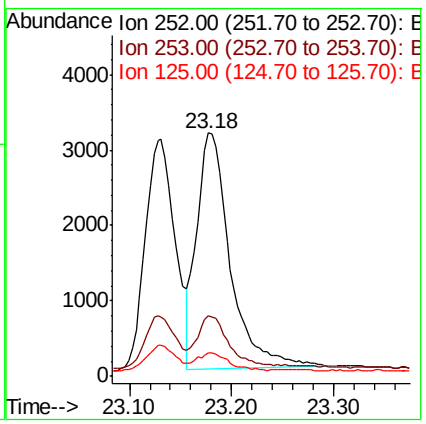


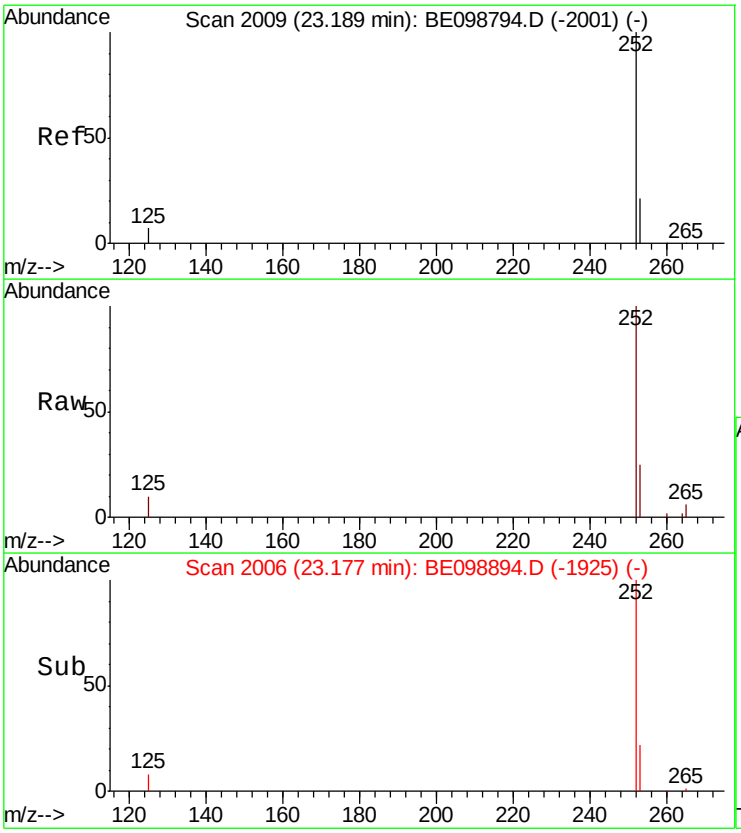
#35
Benzo(b)fluoranthene
Concen: 0.356 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.05 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:252 Resp: 7149

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	9.8	7.3	10.9

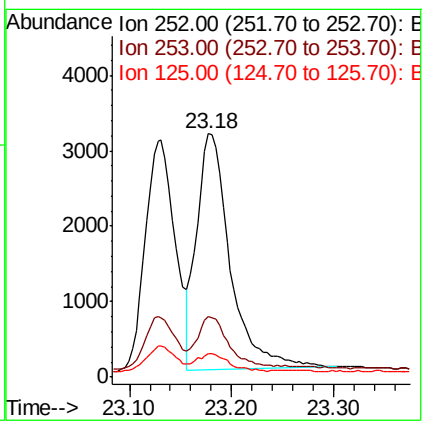


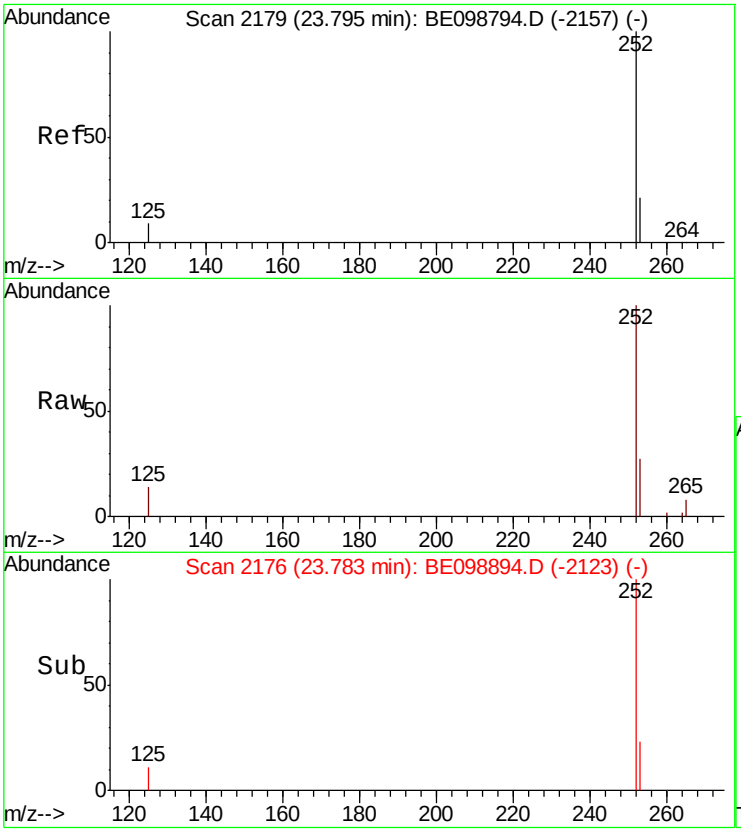


#36
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:252 Resp: 7149

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.3	28.9
125	9.8	7.5	11.3



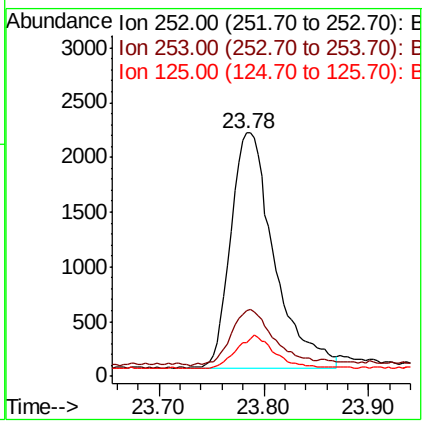


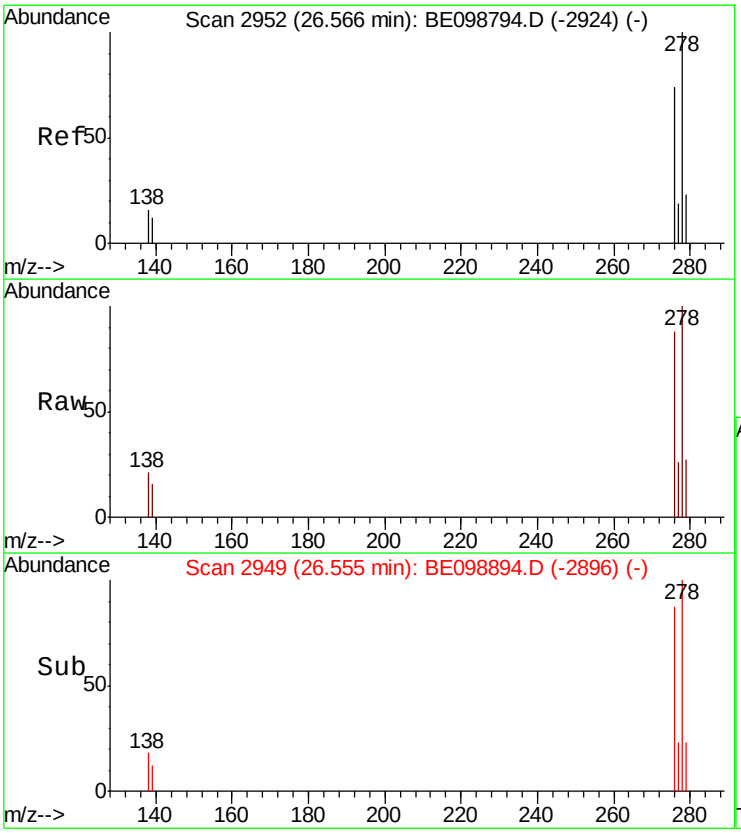
#37
Benzo(a)pyrene
Concen: 0.320 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:252 Resp: 6151

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.9	29.9
125	13.8	9.0	13.4#

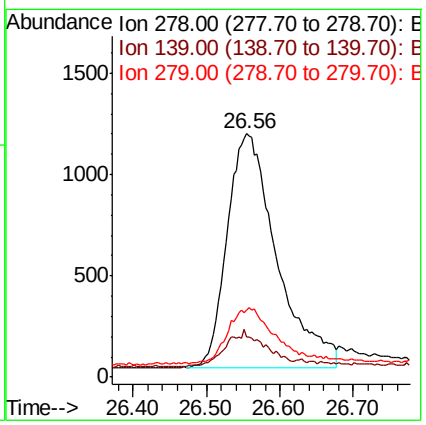


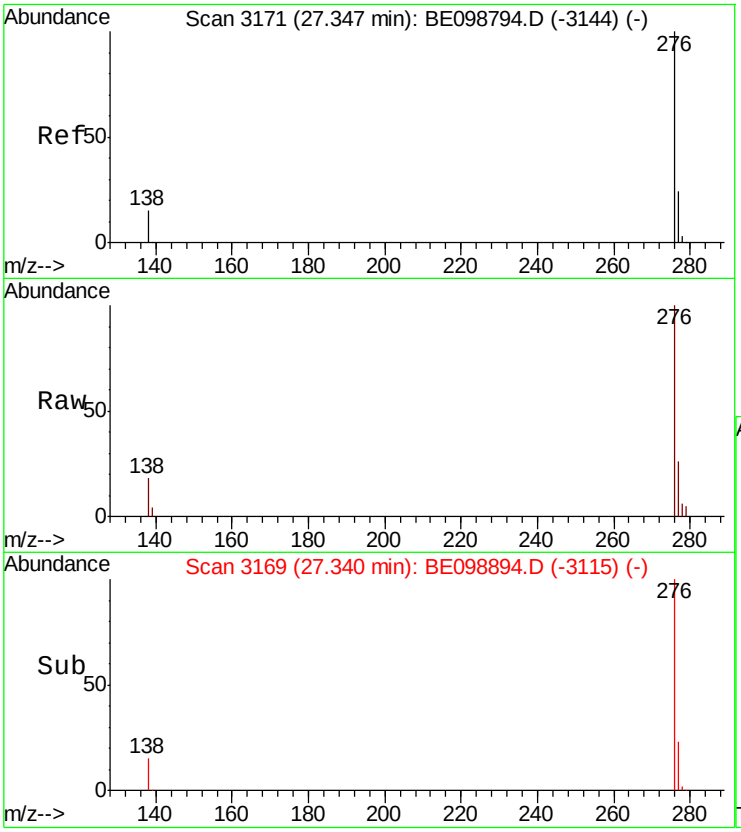


#38
Dibenzo(a,h)anthracene
Concen: 0.297 ng
RT: 26.56 min Scan# 2949
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:278 Resp: 5403

Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.8	17.6
279	27.3	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.324 ng
RT: 27.34 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:276 Resp: 6160

Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.4	30.6
138	18.5	13.6	20.4