Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
Data File : BE098439.D
Acq On : 14 Dec 2018 17:11
Operator : SJ/JU
Sample : PB115633BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PB115633BSD

Quant Time: Dec 14 23:32:08 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	7.86	152	965	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	3803	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	2215	0.40	ng		-0.01
19) Phenanthrene-d10	17.27	188	5830	0.40	ng		-0.01
27) Chrysene-d12	21.46	240	7880	0.40	ng		0.00
34) Perylene-d12	24.00	264	7107	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	552	0.24	ng		0.00
5) Phenol-d6	7.06	99	695	0.22	ng		0.00
8) Nitrobenzene-d5	9.03	82	776	0.22	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	1446	0.23	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	158	0.19	ng		0.01
15) 2-Fluorobiphenyl	13.15	172	2190	0.23	ng		0.00
25) Fluoranthene-d10	19.30	212	19208	0.26	ng		0.00
29) Terphenyl-d14	19.90	244	3458	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	577	0.346	ng	#	57
3) n-Nitrosodimethylamine	3.70	42	336	0.224	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	488	0.161	ng	#	98
9) Naphthalene	10.70	128	9168	0.240	ng	#	97
10) Hexachlorobutadiene	10.99	225	600	0.246	ng		97
12) 2-Methylnaphthalene	12.34	142	1400	0.225	ng		95
16) Acenaphthylene	14.24	152	2402	0.231	ng		99
17) Acenaphthene	14.59	154	1365	0.219	ng		96
18) Fluorene	15.57	166	1840	0.221	ng		99
20) 4-Bromophenyl-phenylether	16.46	248	557	0.178	ng		93
21) Hexachlorobenzene	16.58	284	722	0.214	ng		95
22) Pentachlorophenol	16.95	266	66	0.142	ng	#	80
23) Phenanthrene	17.31	178	3274	0.231	ng		98
24) Anthracene	17.41	178	2537	0.201	ng		98
26) Fluoranthene	19.33	202	4804	0.256	ng		97
28) Pyrene	19.69	202	4878	0.197	ng		100
30) Benzo(a)anthracene	21.44	228	5009	0.223	ng		99
31) Chrysene	21.50	228	5120	0.218	ng		99
32) Bis(2-ethylhexyl)phthalate	21.35	149	7482	0.164	ng		99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5382	0.230	ng	#	85
35) Benzo(b)fluoranthene	23.27	252	5580	0.287	ng		99
36) Benzo(k)fluoranthene	23.27	252	5775	0.255	ng		98
37) Benzo(a)pyrene	23.89	252	4869	0.243	ng		94
38) Dibenzo(a,h)anthracene	26.72	278	4080	0.216	ng		96
39) Benzo(g,h,i)perylene	27.51	276	4438	0.233	ng		97

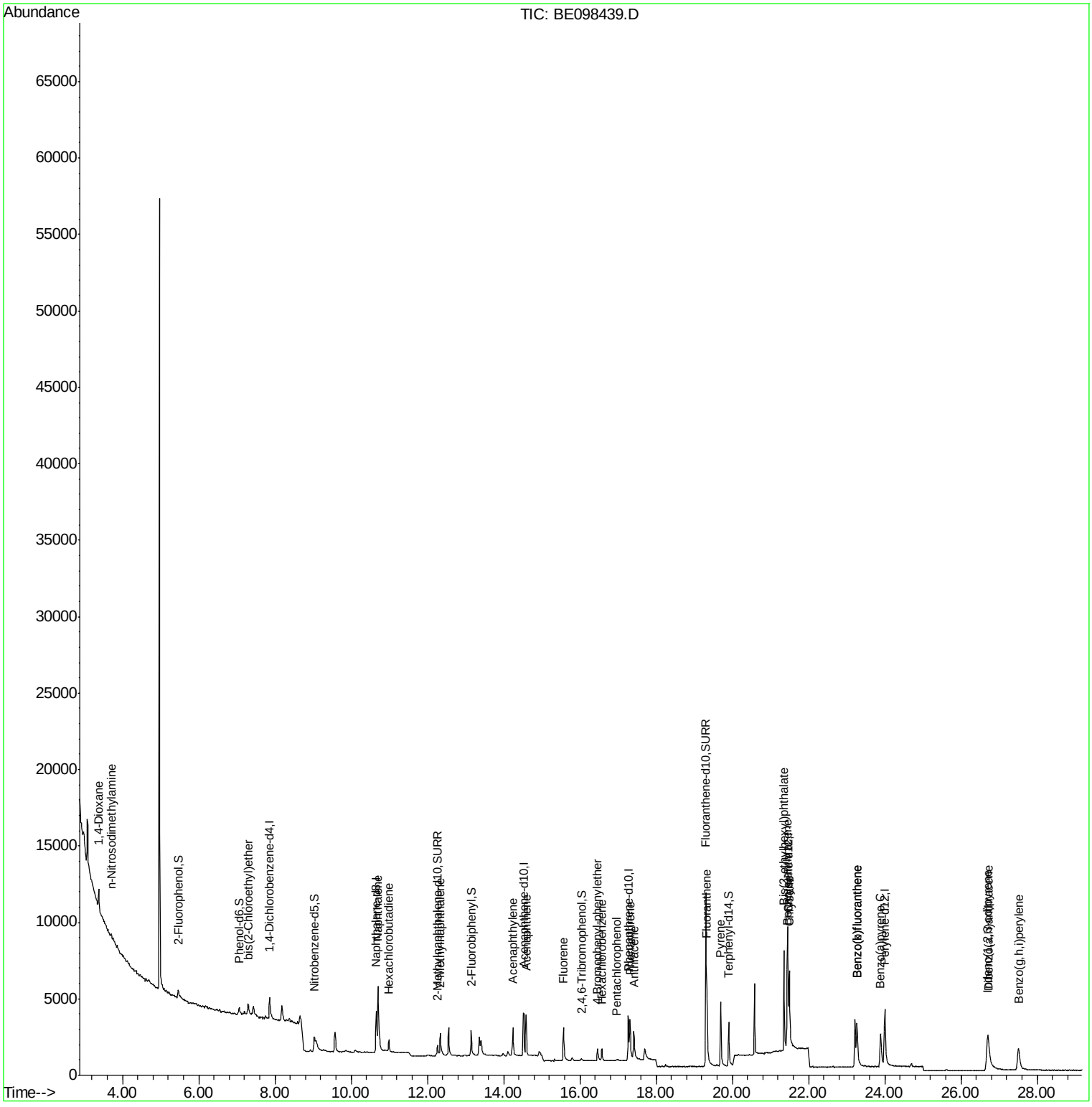
(#) = qualifier out of range (m) = manual integration (+) = signals summed

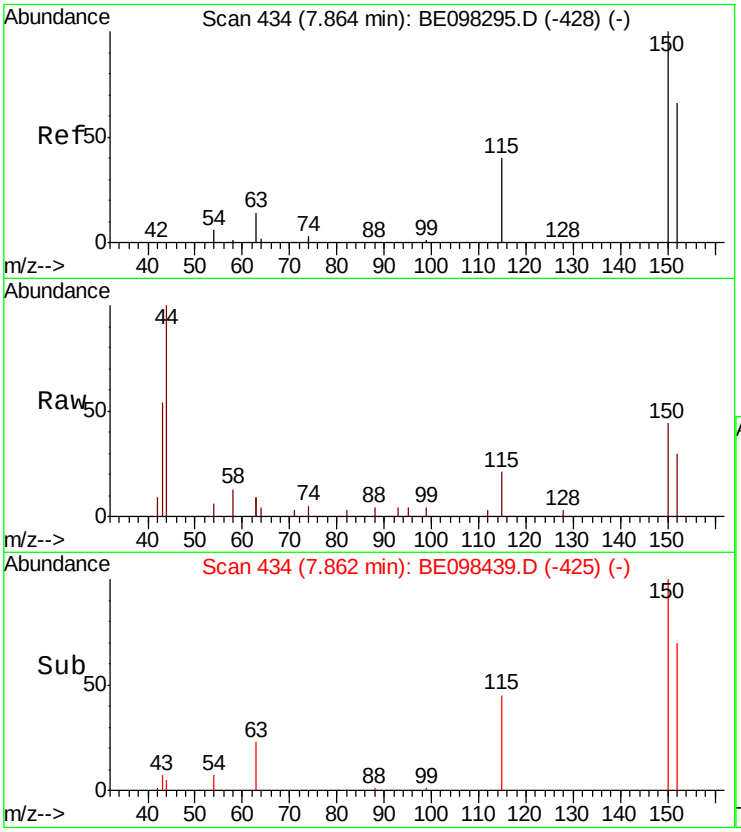
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
Data File : BE098439.D
Acq On : 14 Dec 2018 17:11
Operator : SJ/JU
Sample : PB115633BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Quant Time: Dec 14 23:32:08 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



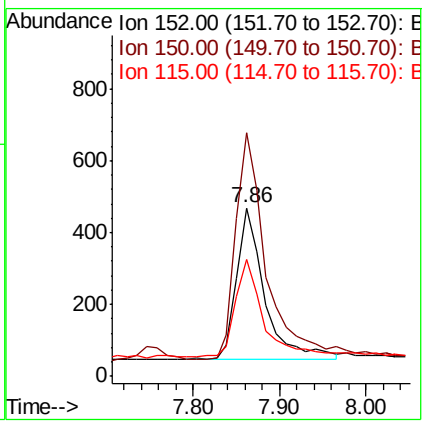


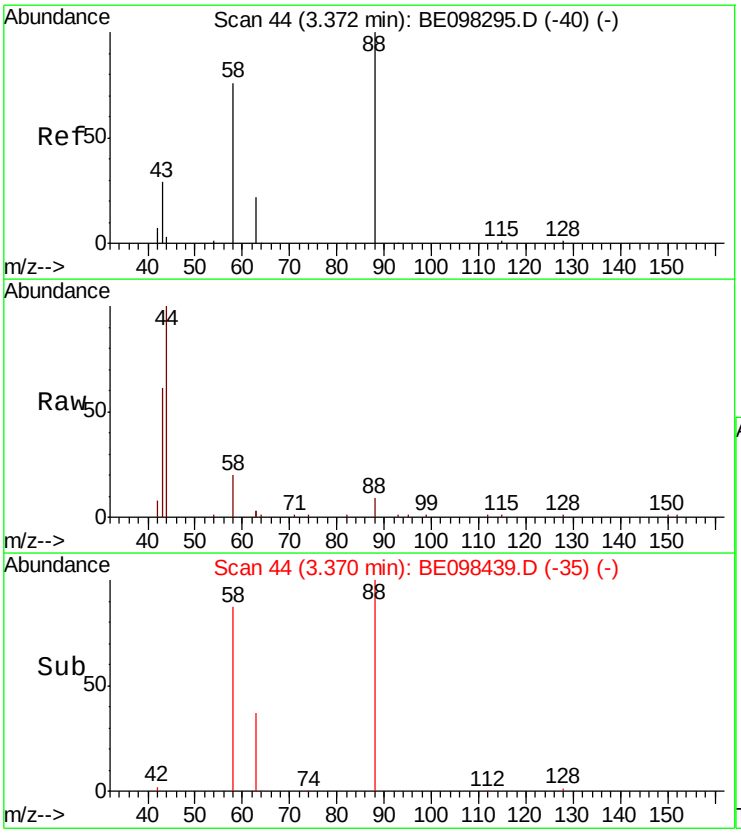
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:152 Resp: 965

Ion	Ratio	Lower	Upper
152	100		
150	144.7	124.2	186.4
115	69.9	53.9	80.9

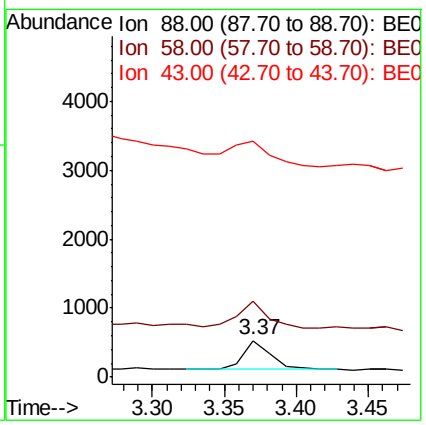


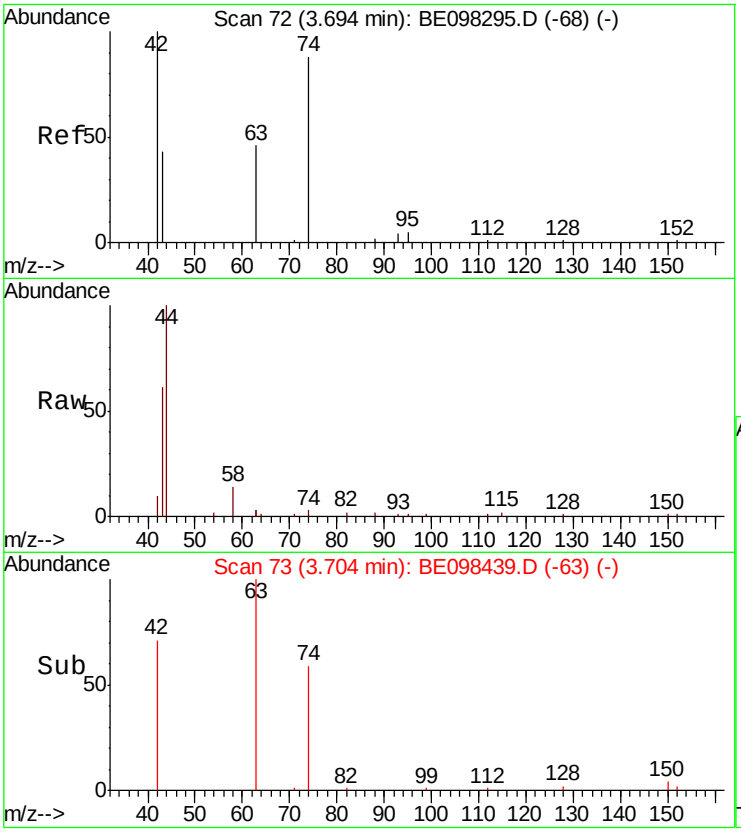


#2
1,4-Dioxane
Concen: 0.346 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion: 88 Resp: 577

Ion	Ratio	Lower	Upper
88	100		
58	92.9	75.0	112.6
43	131.5	38.3	57.5#



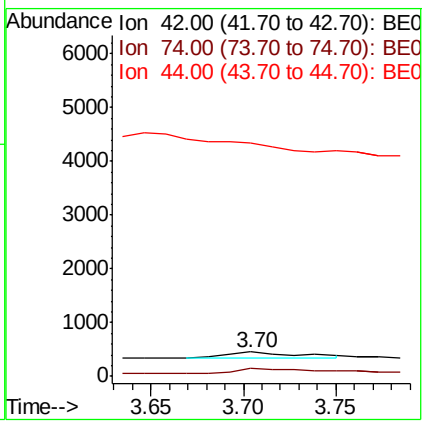


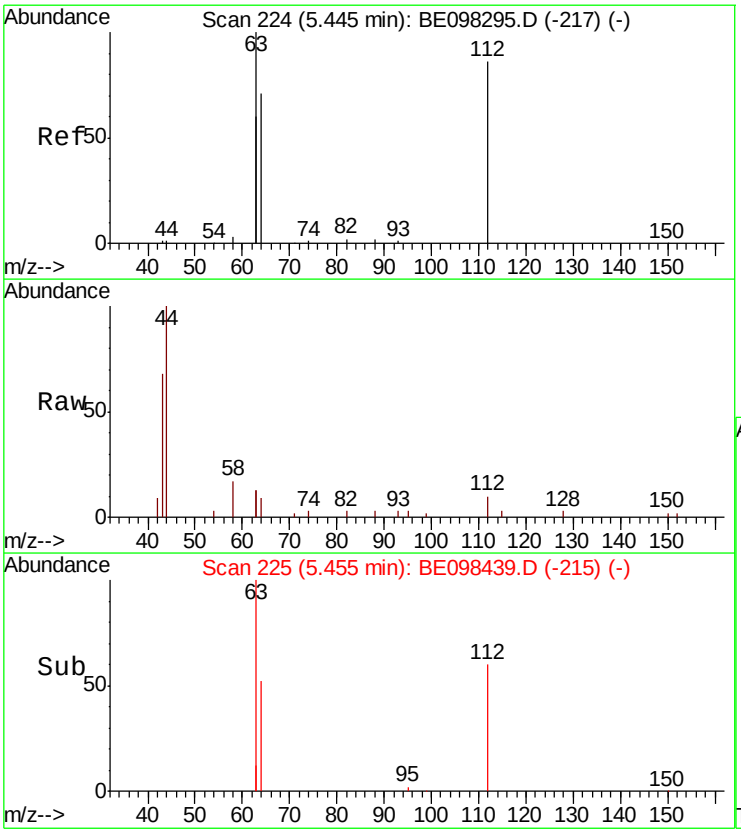
#3
n-Nitrosodimethylamine
Concen: 0.224 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion: 42 Resp: 336

Ion	Ratio	Lower	Upper
42	100		
74	67.0	0.0	0.0#
44	0.0	0.0	0.0

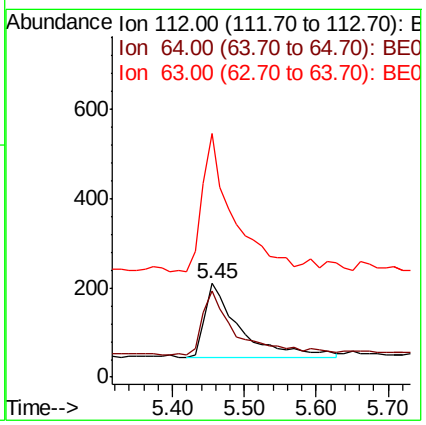


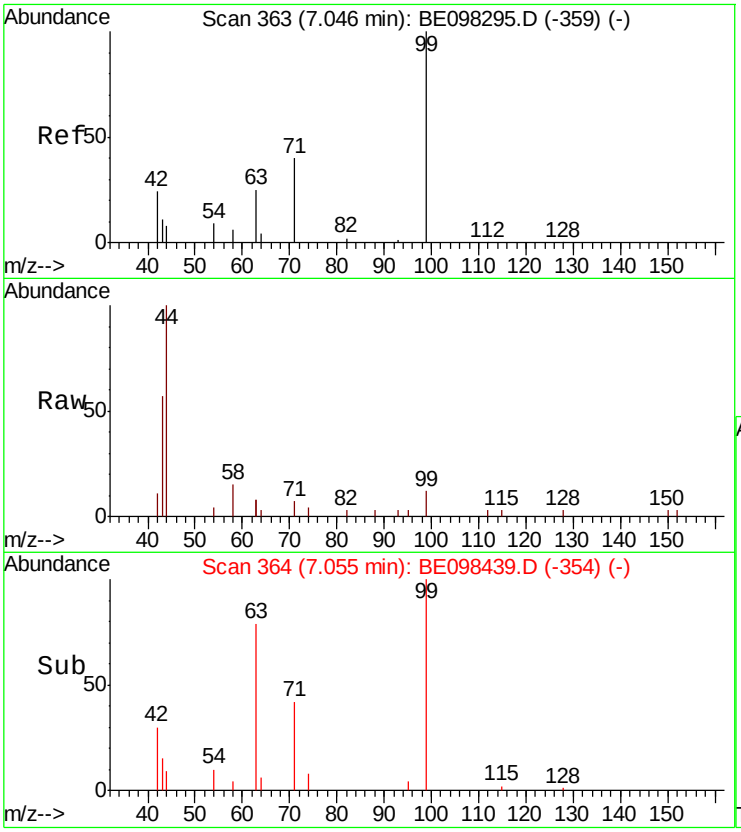


#4
2-Fluorophenol
Concen: 0.244 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:112 Resp: 552

Ion	Ratio	Lower	Upper
112	100		
64	84.1	59.8	89.8
63	166.7	133.7	200.5



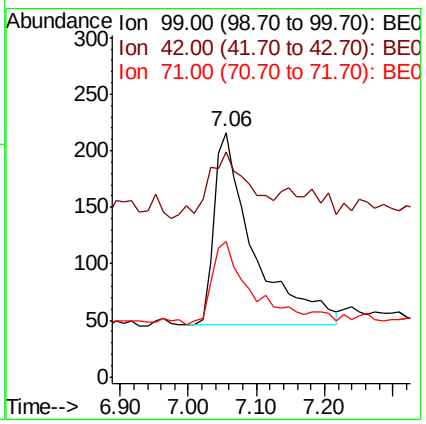


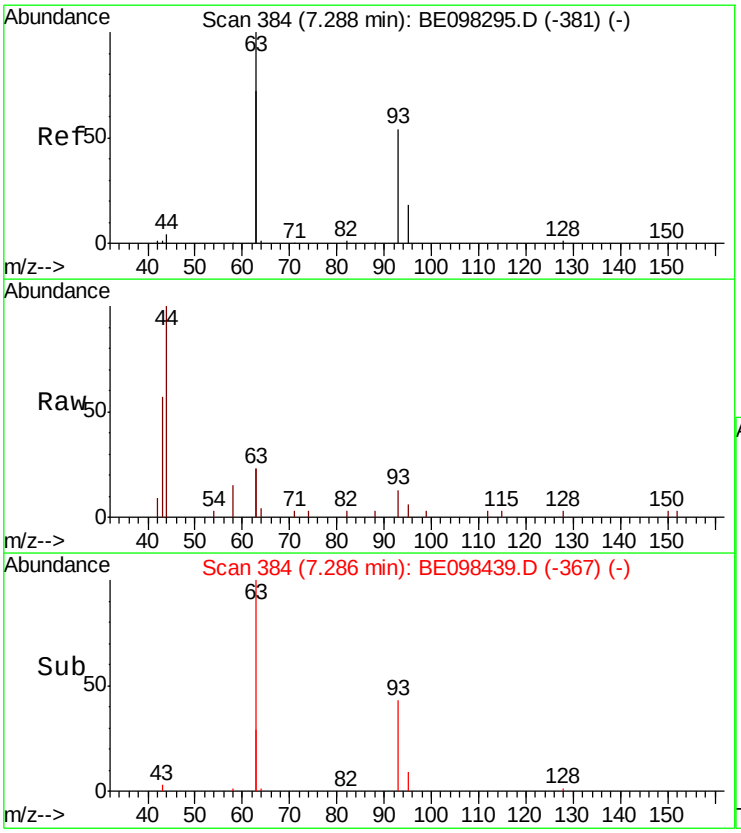
#5
Phenol-d6
Concen: 0.217 ng
RT: 7.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion: 99 Resp: 695

Ion	Ratio	Lower	Upper
99	100		
42	35.1	26.3	39.5
71	42.3	33.6	50.4

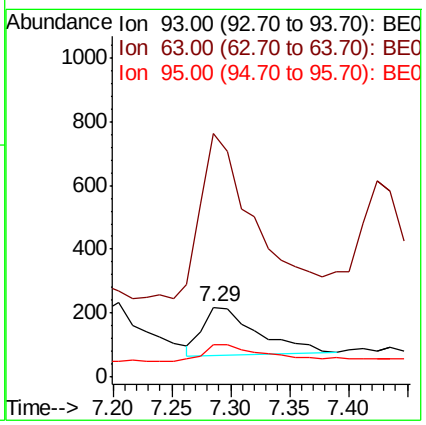


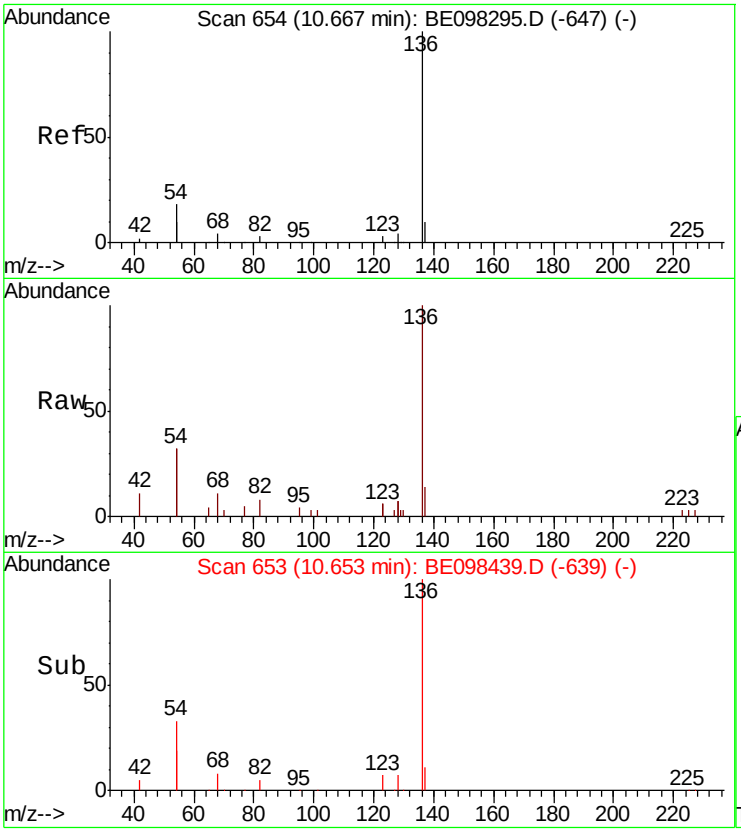


#6
bis(2-Chloroethyl)ether
Concen: 0.161 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion: 93 Resp: 488

Ion	Ratio	Lower	Upper
93	100		
63	330.5	264.4	396.6
95	43.9	26.6	40.0#



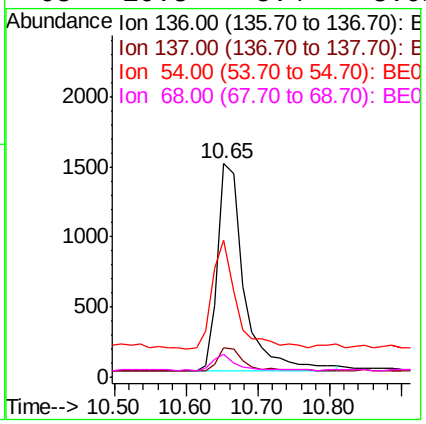


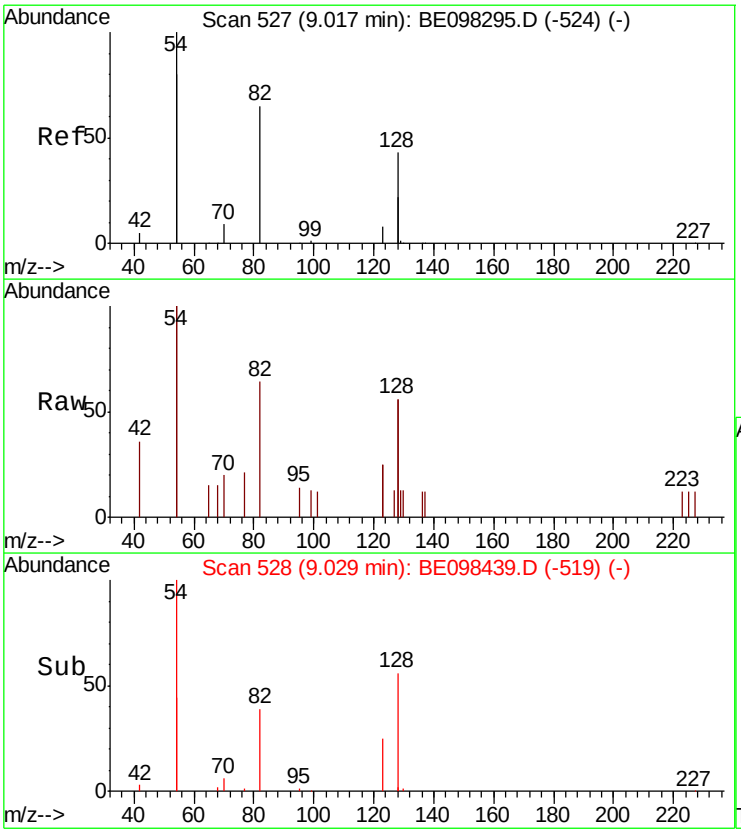
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:136 Resp: 3803

Ion	Ratio	Lower	Upper
136	100		
137	13.7	9.2	13.8
54	64.1	28.4	42.6#
68	10.8	5.4	8.0#

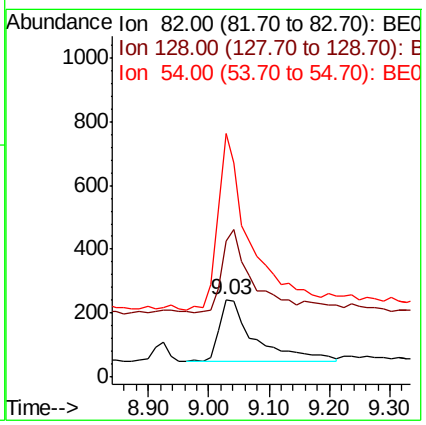


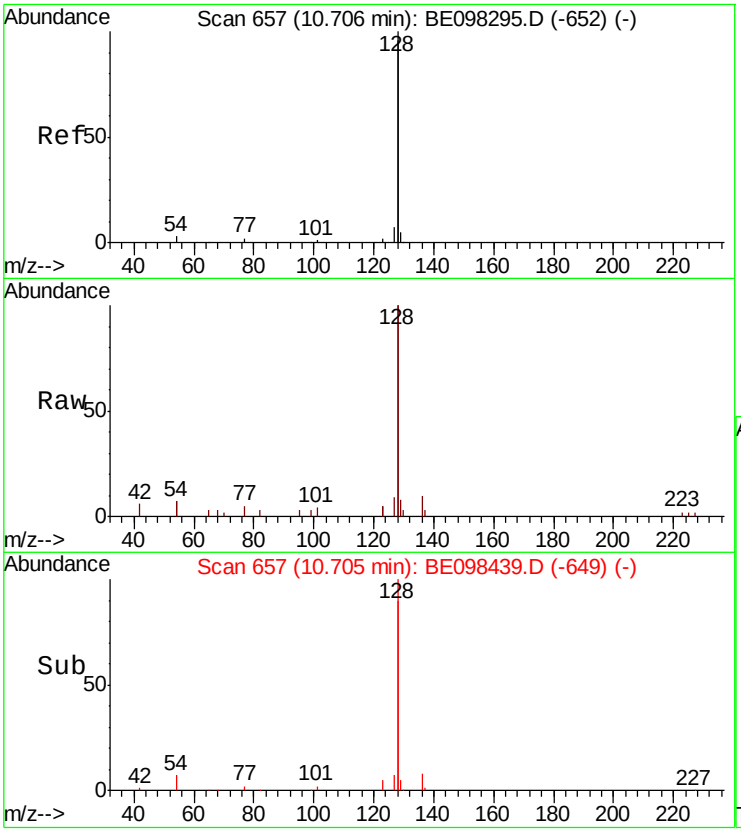


#8
Nitrobenzene-d5
Concen: 0.224 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion: 82 Resp: 776

Ion	Ratio	Lower	Upper
82	100		
128	175.2	102.4	153.6#
54	314.9	221.8	332.8



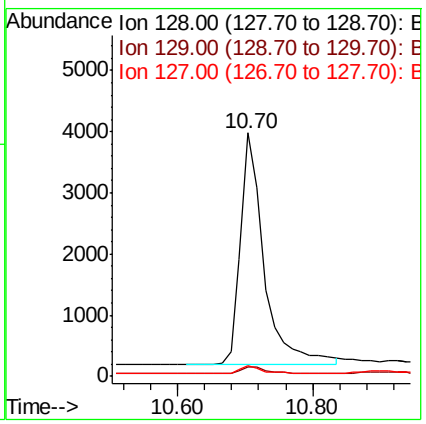


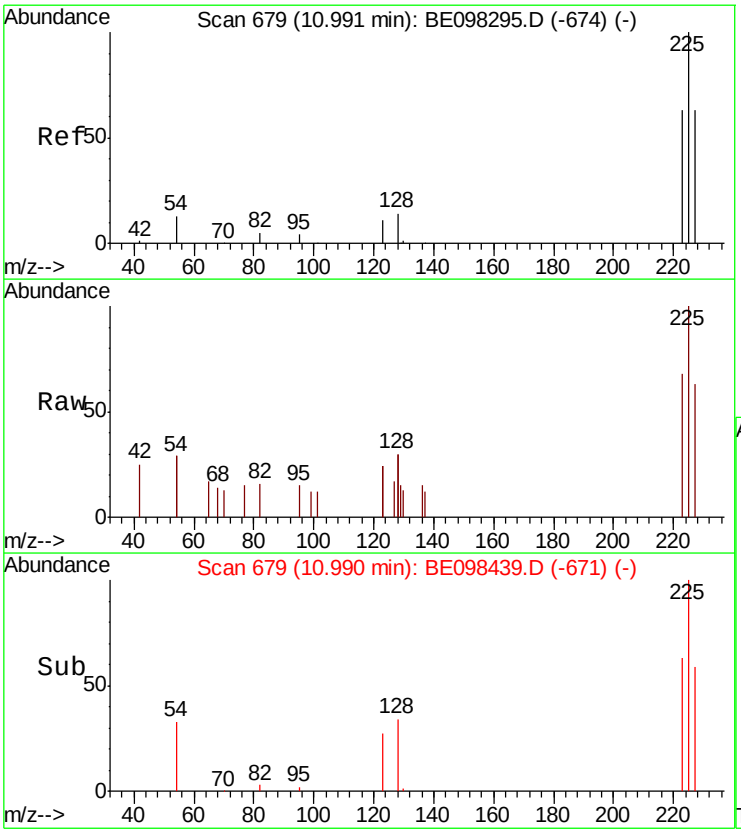
#9
Naphthalene
Concen: 0.240 ng
RT: 10.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:128 Resp: 9168

Ion	Ratio	Lower	Upper
128	100		
129	3.8	2.5	3.7#
127	4.6	2.7	4.1#

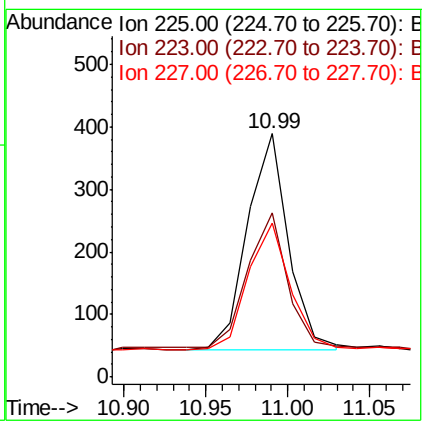


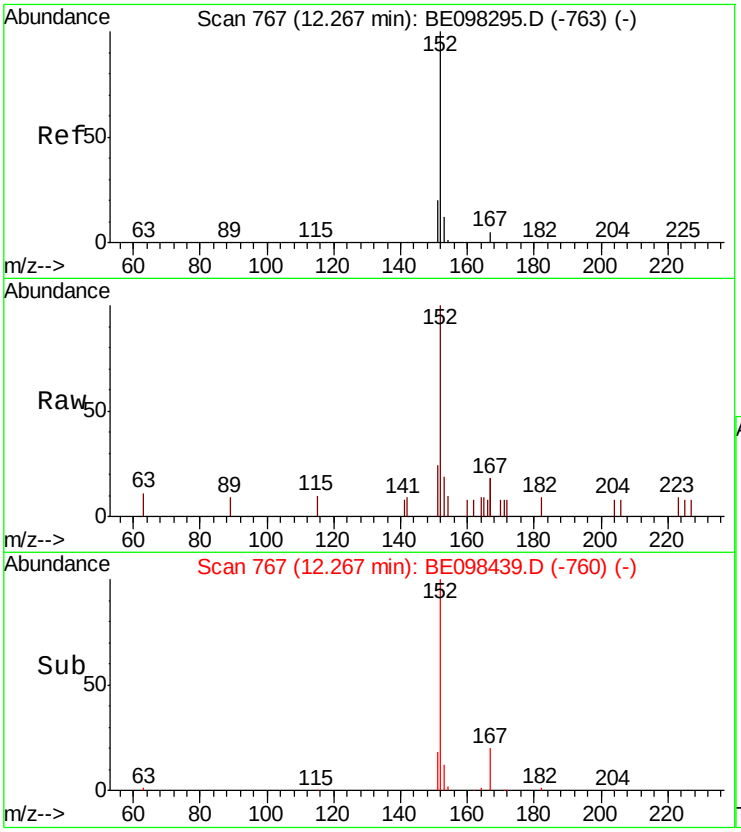


#10
Hexachlorobutadiene
Concen: 0.246 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:225 Resp: 600

Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.0
227	60.3	52.0	78.0



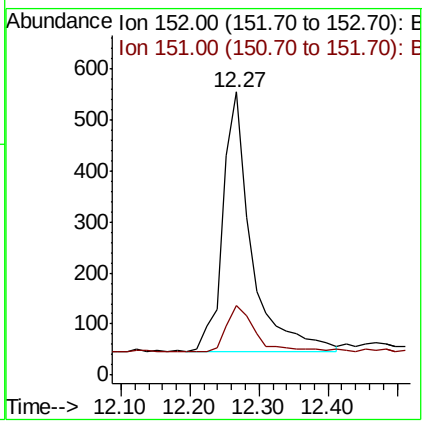


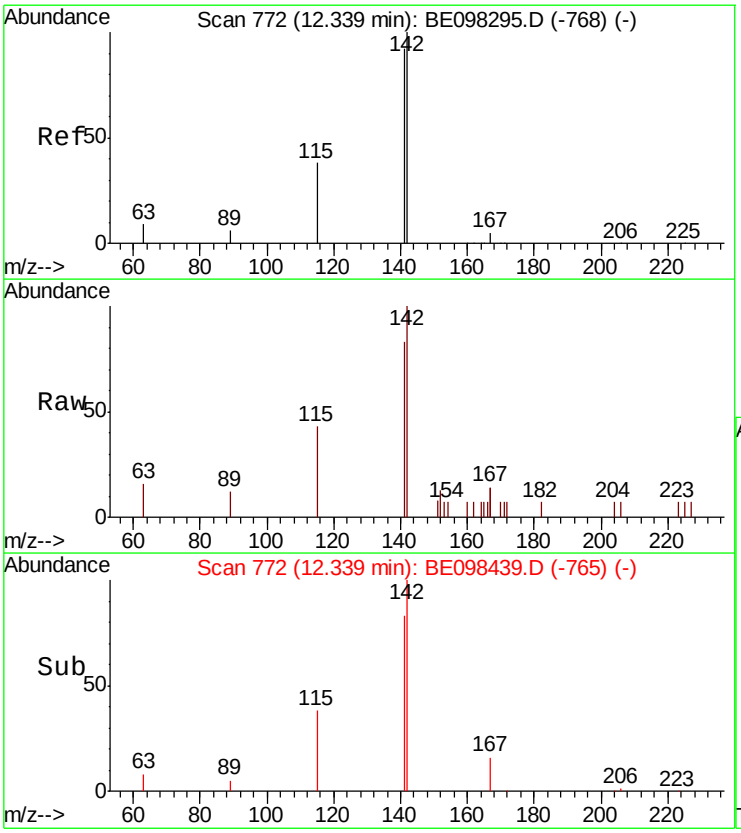
#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:152 Resp: 1446

Ion	Ratio	Lower	Upper
152	100		
151	18.3	16.2	24.4

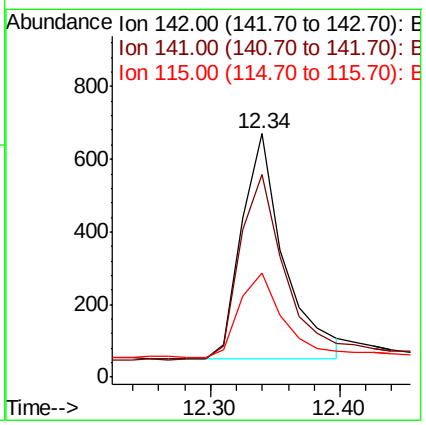


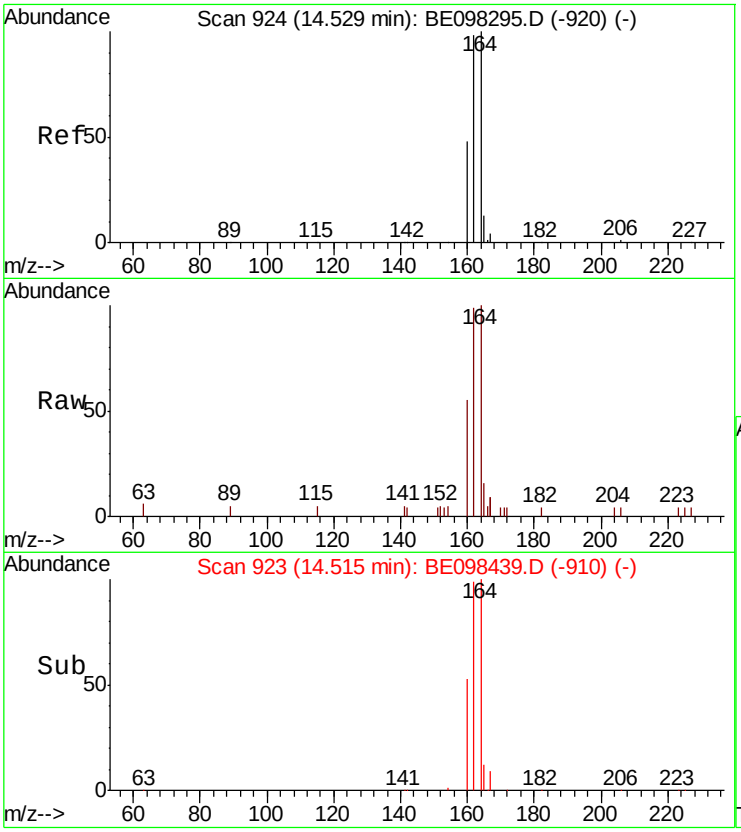


#12
2-Methylnaphthalene
Concen: 0.225 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:142 Resp: 1400

Ion	Ratio	Lower	Upper
142	100		
141	83.5	71.0	106.6
115	42.8	32.2	48.2



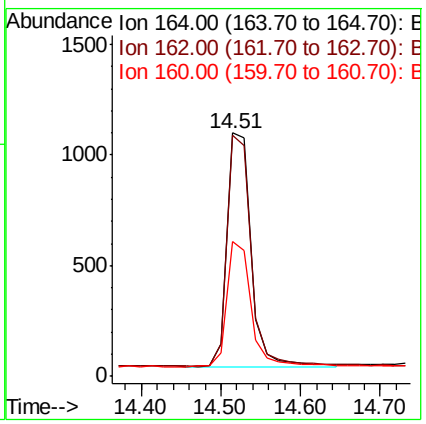


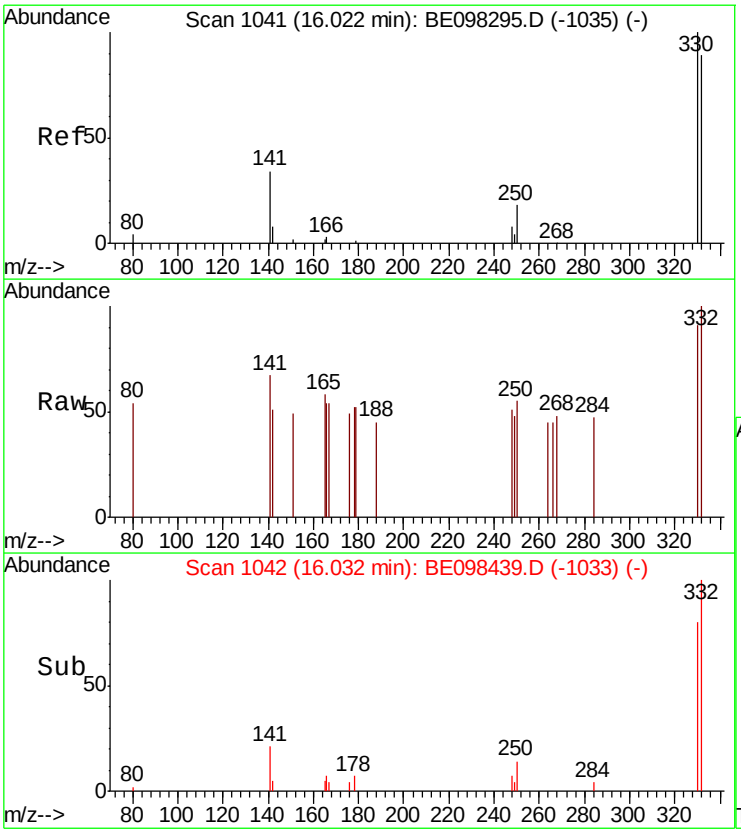
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:164 Resp: 2215

Ion	Ratio	Lower	Upper
164	100		
162	98.8	77.6	116.4
160	55.2	36.0	54.0#

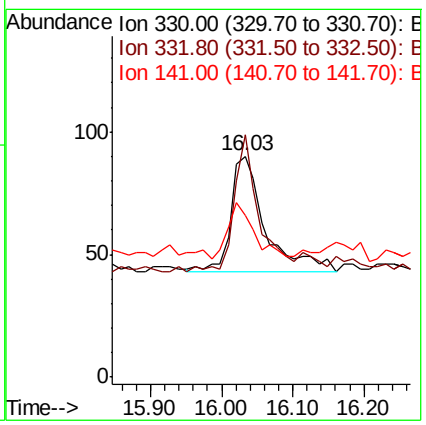


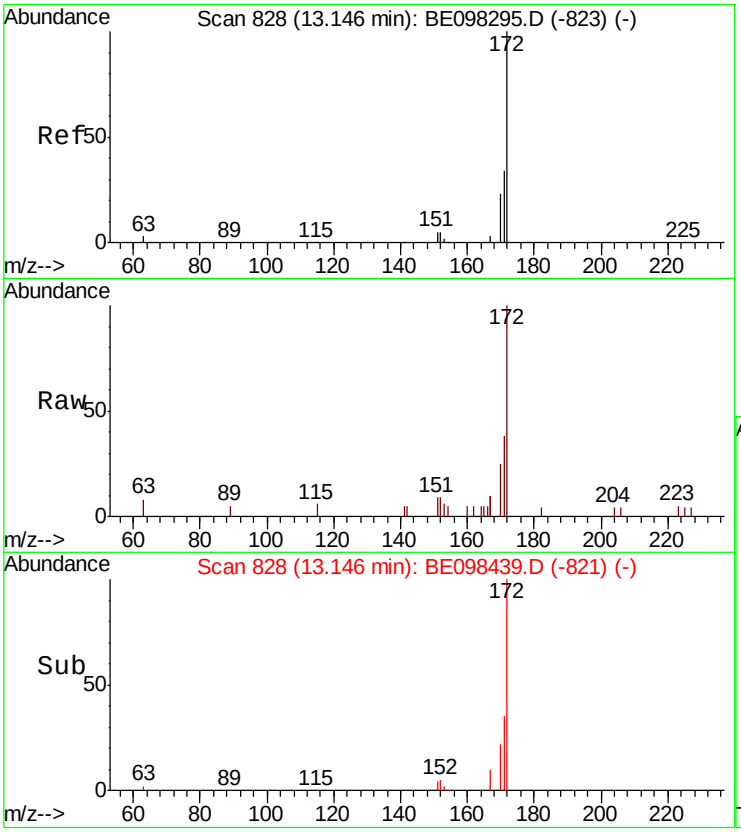


#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:330 Resp: 158

Ion	Ratio	Lower	Upper
330	100		
332	84.8	76.2	114.4
141	37.3	39.0	58.4#



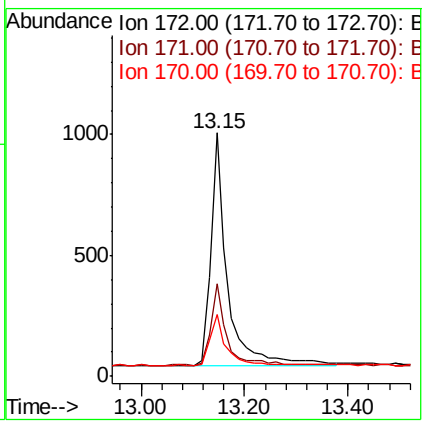


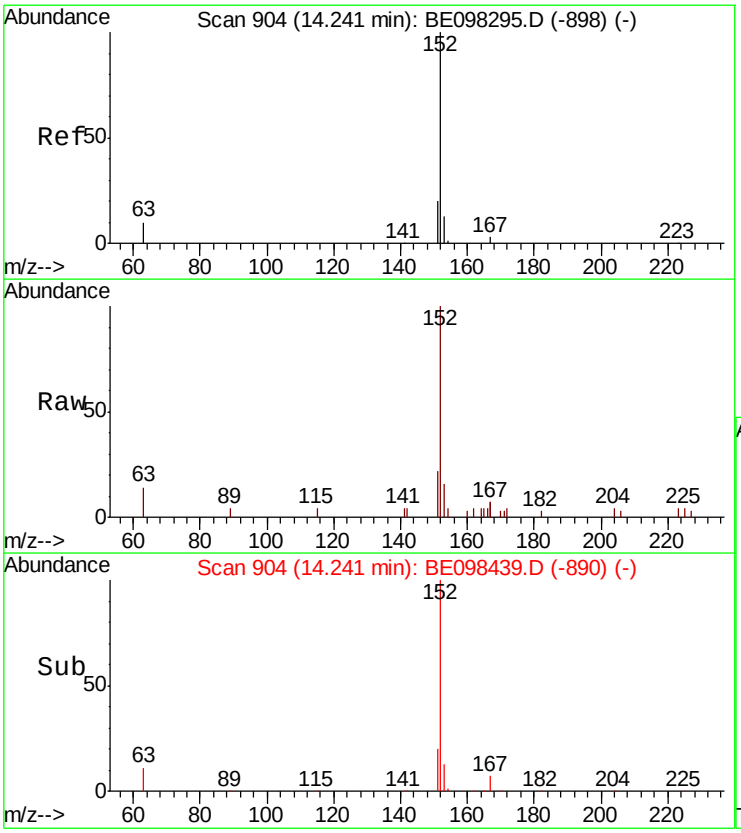
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:172 Resp: 2190

Ion	Ratio	Lower	Upper
172	100		
171	38.2	27.5	41.3
170	25.4	19.6	29.4

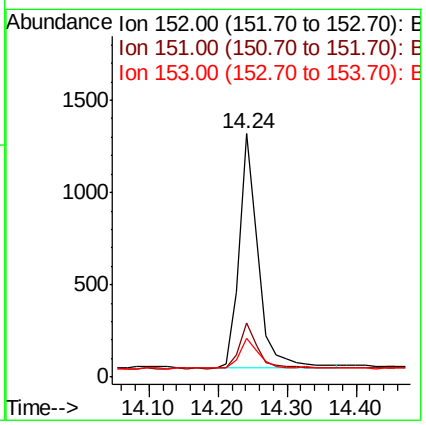


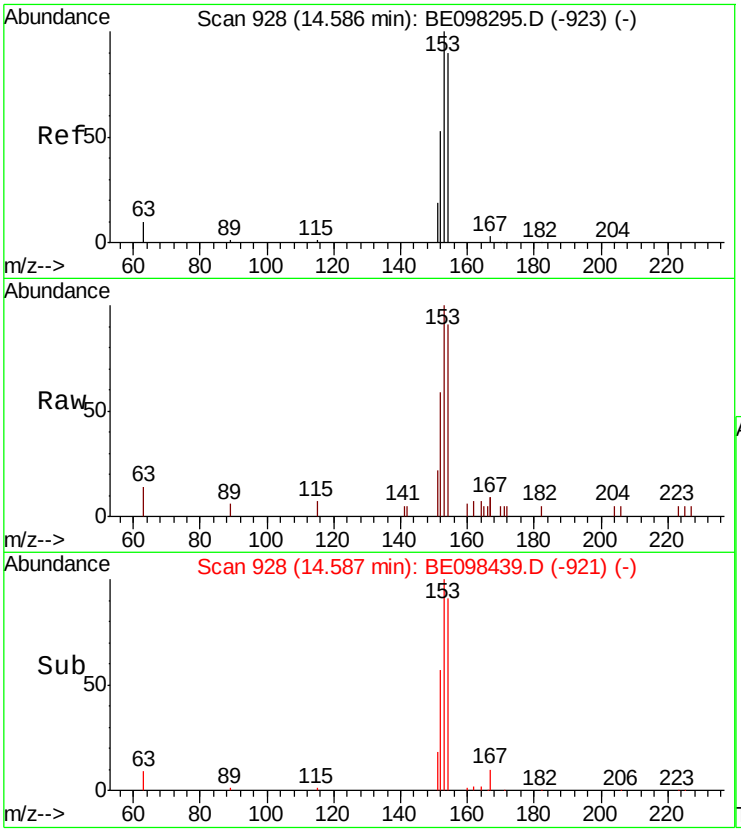


#16
Acenaphthylene
Concen: 0.231 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:152 Resp: 2402

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.7	10.6	16.0



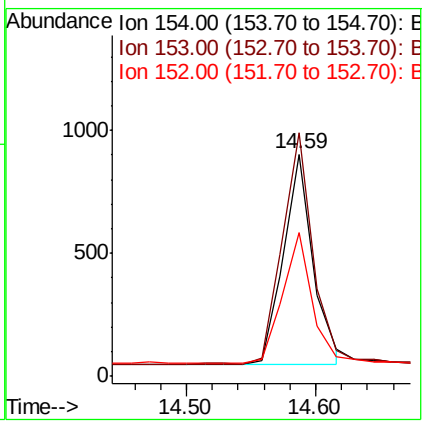


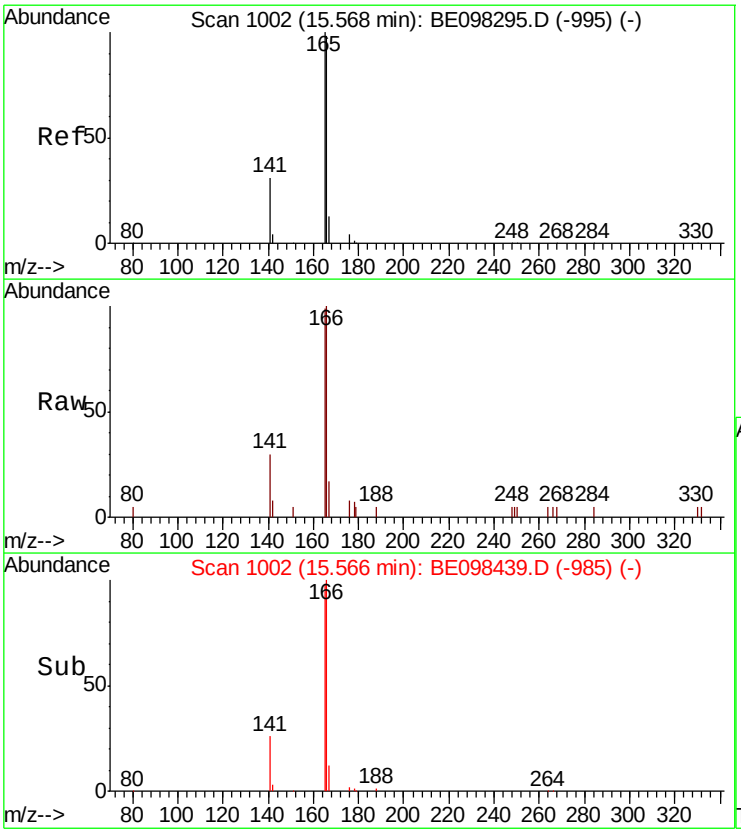
#17
Acenaphthene
Concen: 0.219 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:154 Resp: 1365

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.8	137.6
152	61.8	45.5	68.3

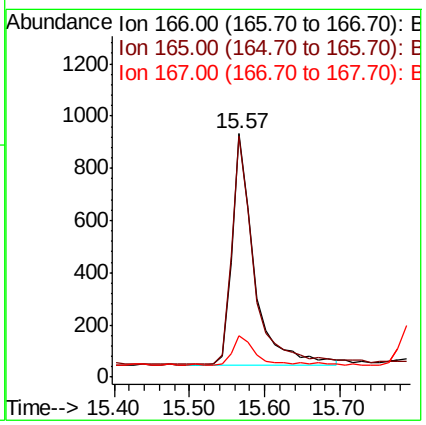


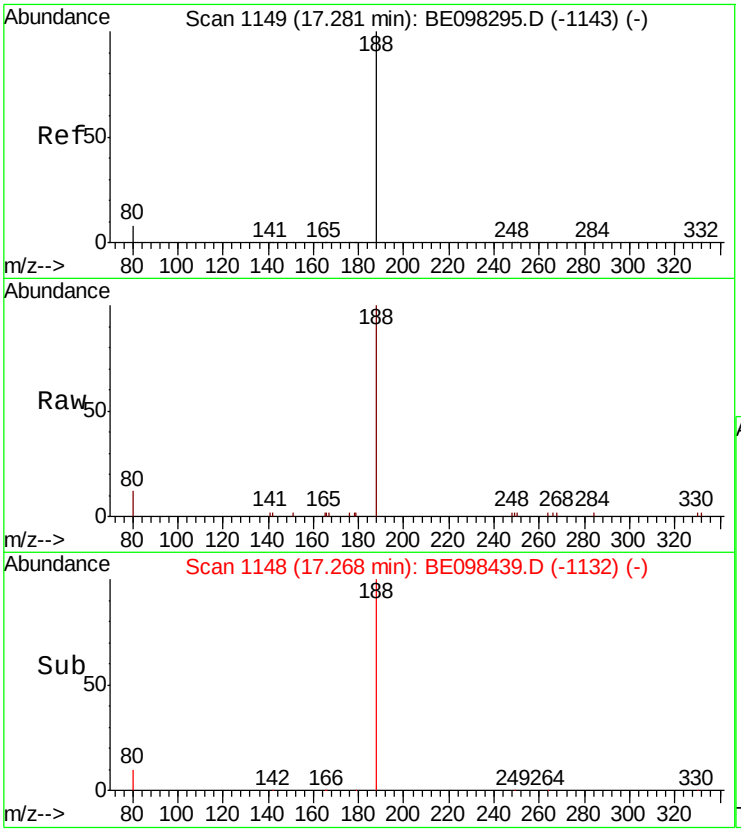


#18
Fluorene
Concen: 0.221 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:166 Resp: 1840

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.3	118.9
167	12.8	11.3	16.9



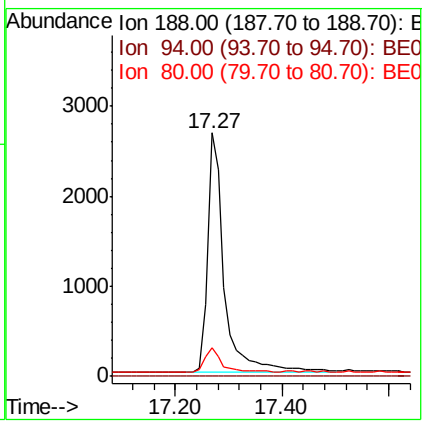


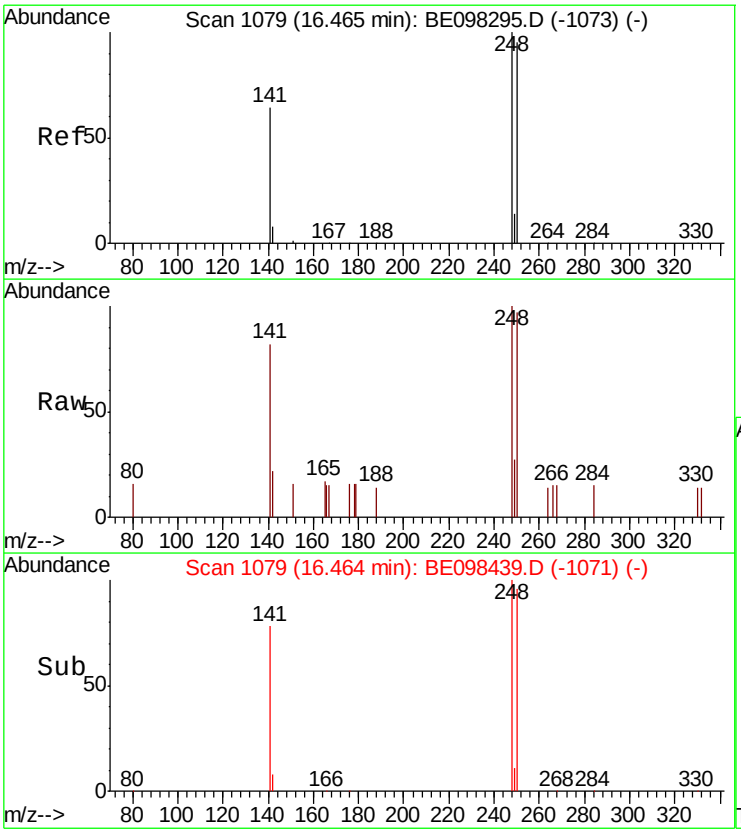
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:188 Resp: 5830

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	7.2	10.8#

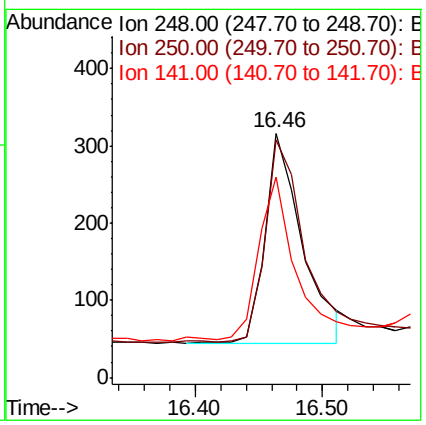


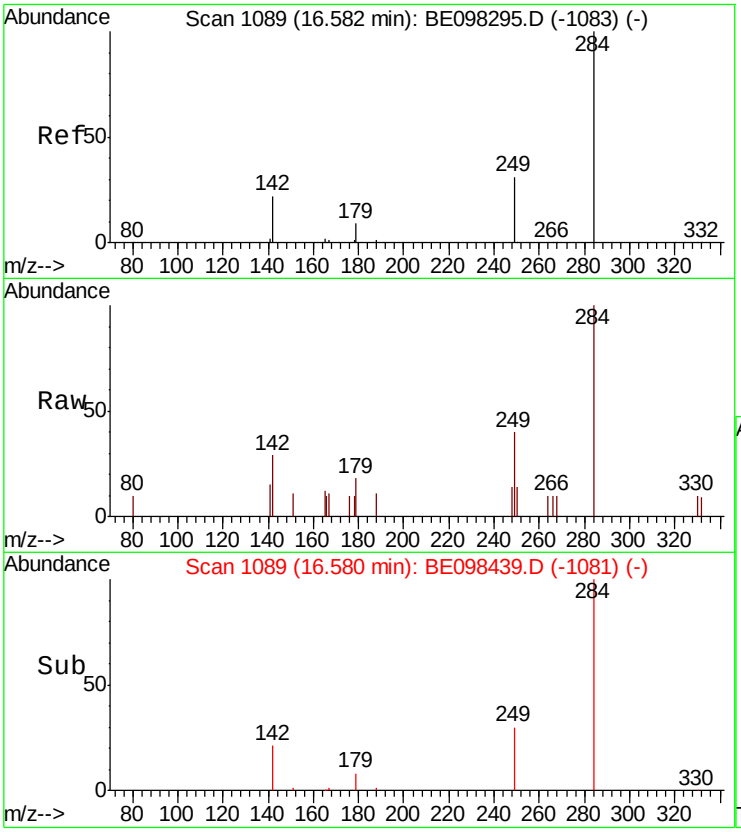


#20
4-Bromophenyl-phenylether
Concen: 0.178 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:248 Resp: 557

Ion	Ratio	Lower	Upper
248	100		
250	97.2	71.0	106.6
141	82.3	62.1	93.1



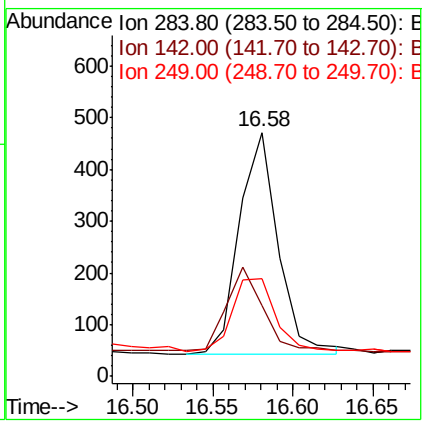


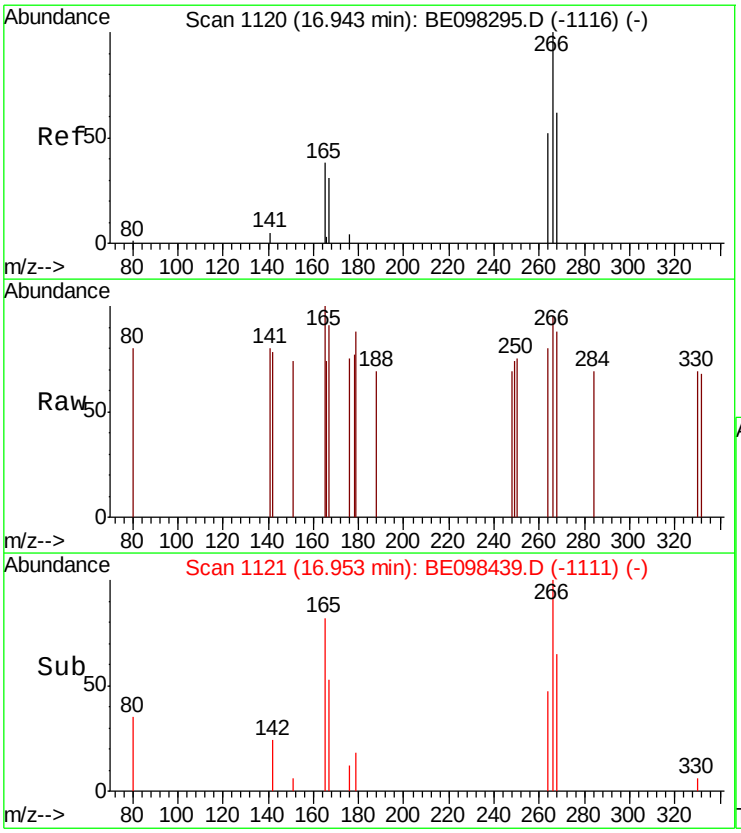
#21
Hexachlorobenzene
Concen: 0.214 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:284 Resp: 722

Ion	Ratio	Lower	Upper
284	100		
142	34.3	26.3	39.5
249	36.3	26.0	39.0

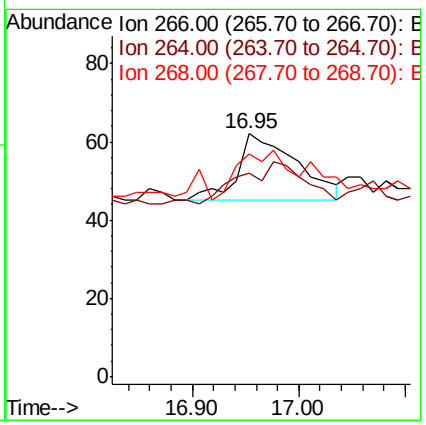


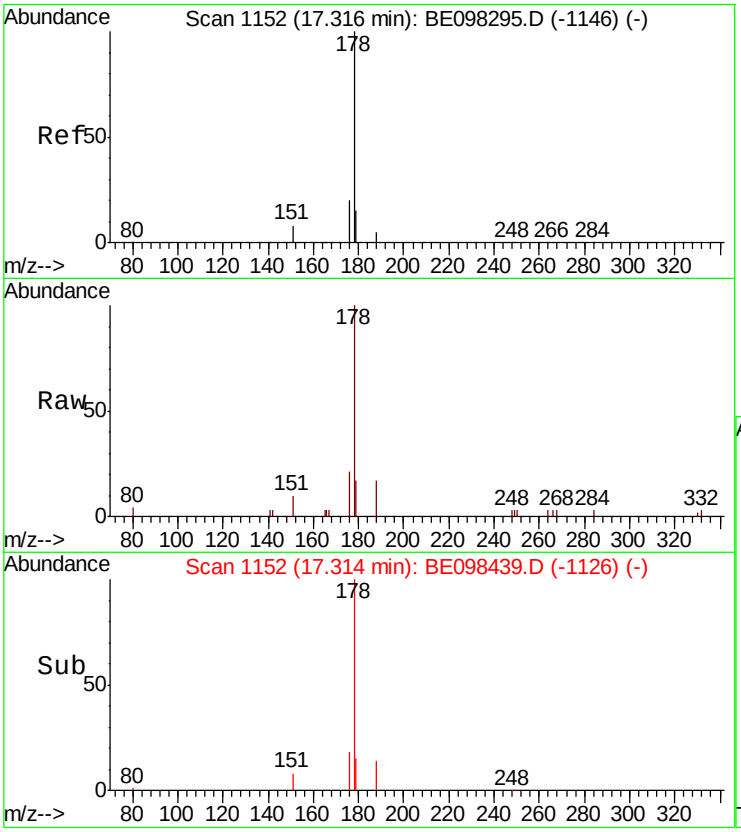


#22
Pentachlorophenol
Concen: 0.142 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:266 Resp: 66

Ion	Ratio	Lower	Upper
266	100		
264	83.9	59.0	88.4
268	91.9	55.1	82.7#



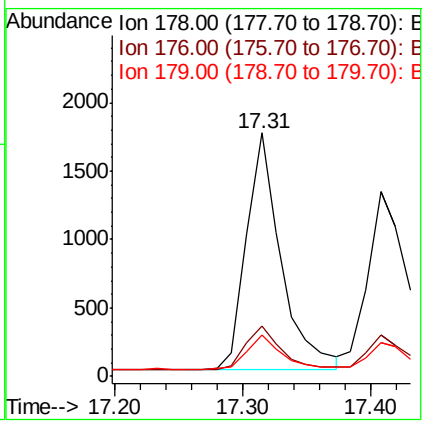


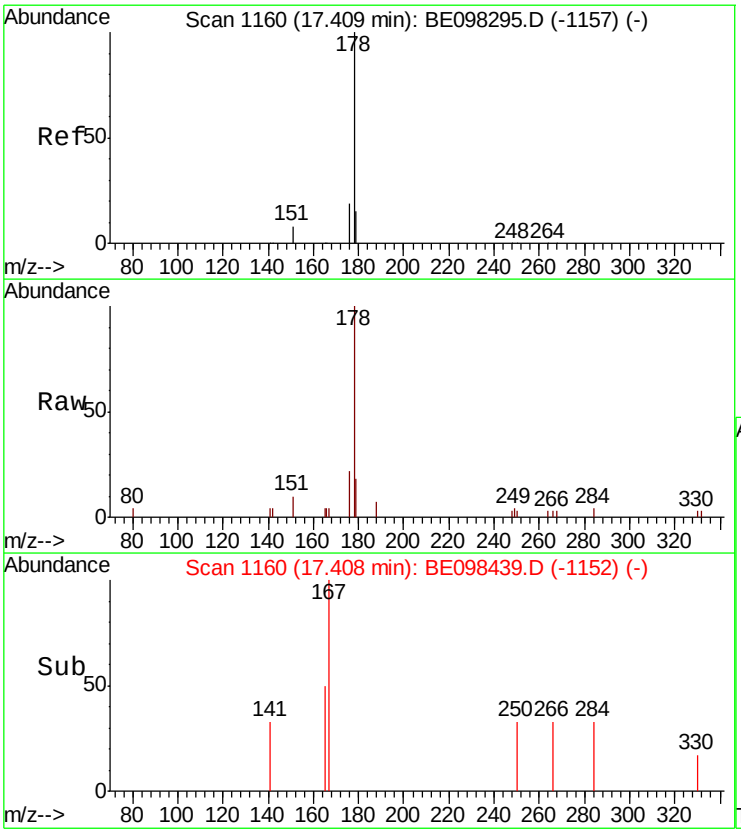
#23
Phenanthrene
Concen: 0.231 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:178 Resp: 3274

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.1	12.3	18.5

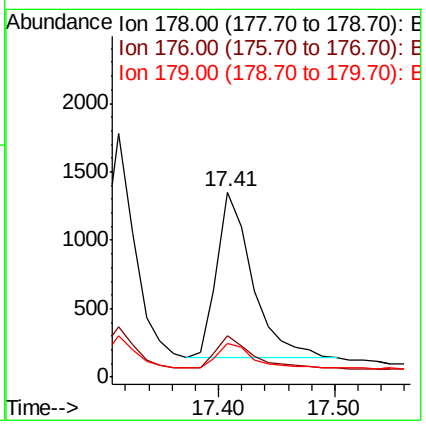


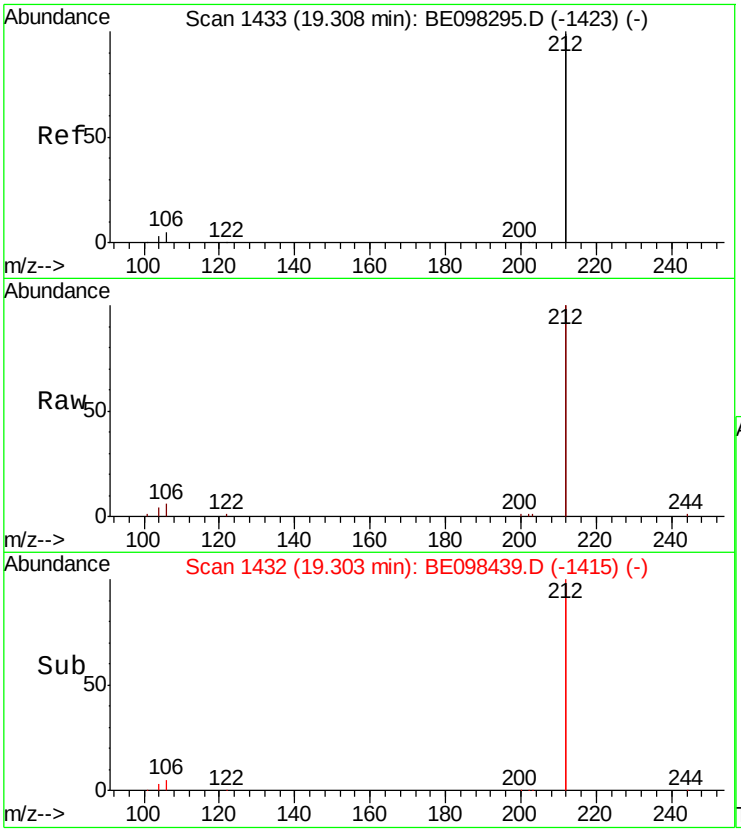


#24
Anthracene
Concen: 0.201 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:178 Resp: 2537

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	14.4	12.3	18.5



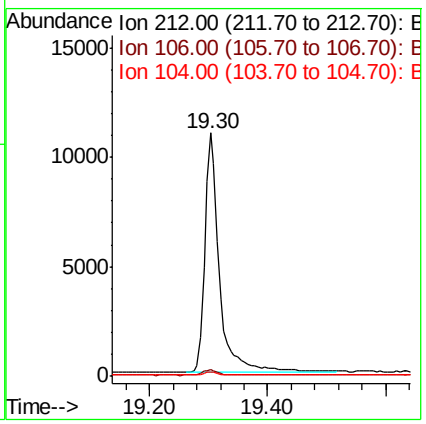


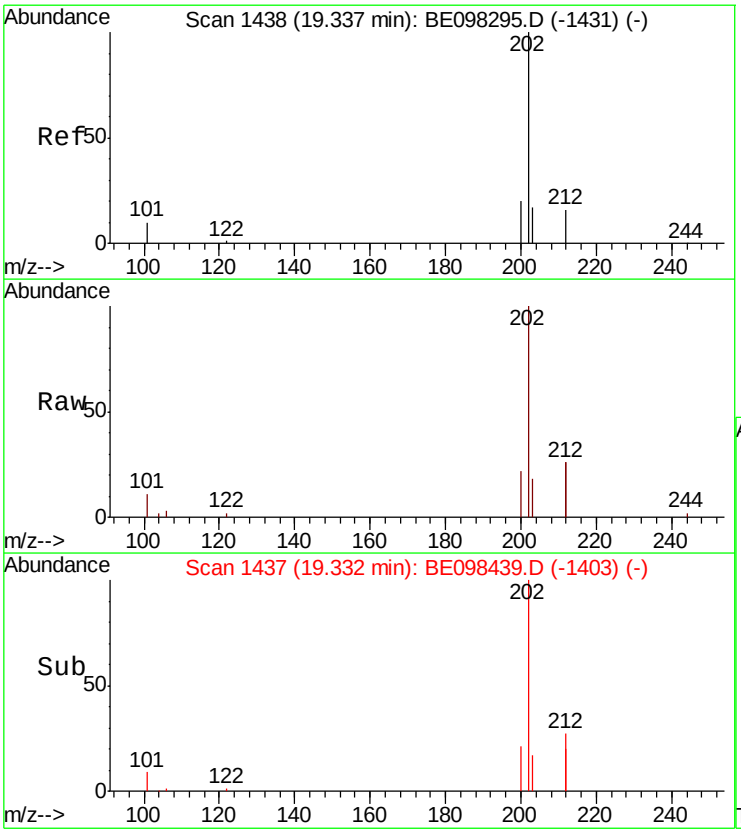
#25
Fluoranthene-d10
Concen: 0.257 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:212 Resp: 19208

Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.5	1.3	1.9

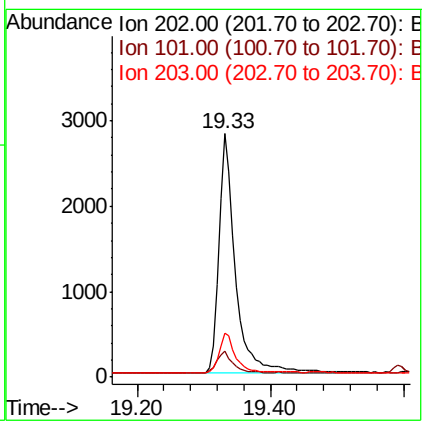


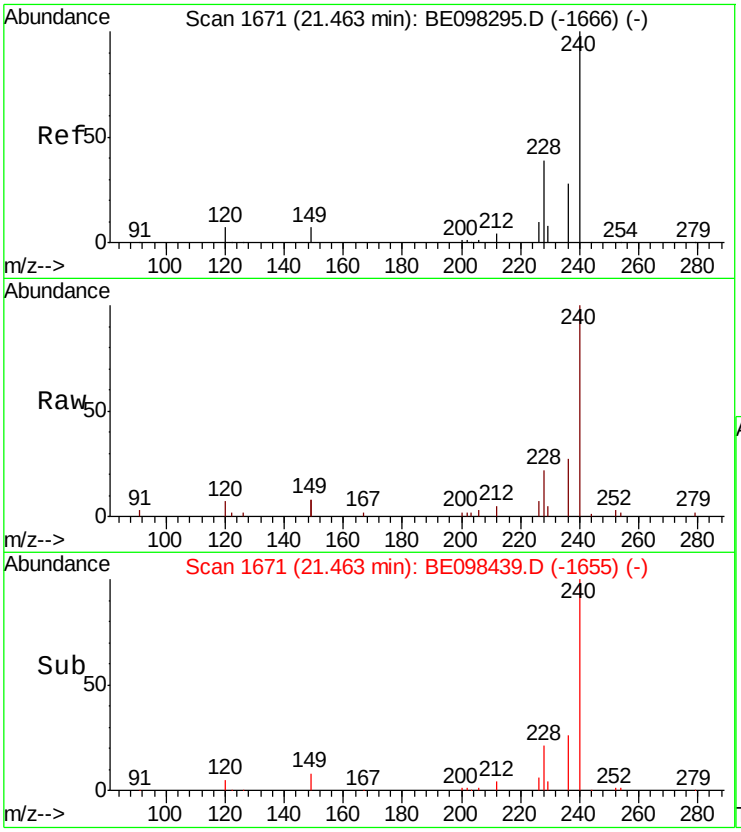


#26
Fluoranthene
Concen: 0.256 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:202 Resp: 4804

Ion	Ratio	Lower	Upper
202	100		
101	8.9	8.0	12.0
203	15.8	13.8	20.6



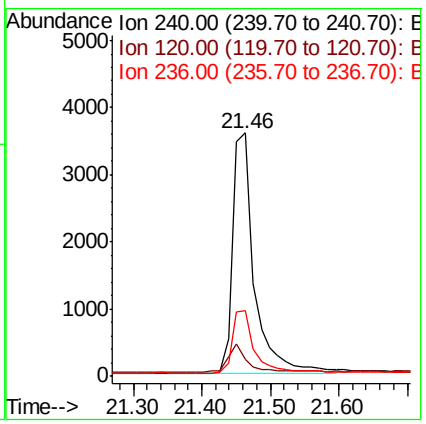


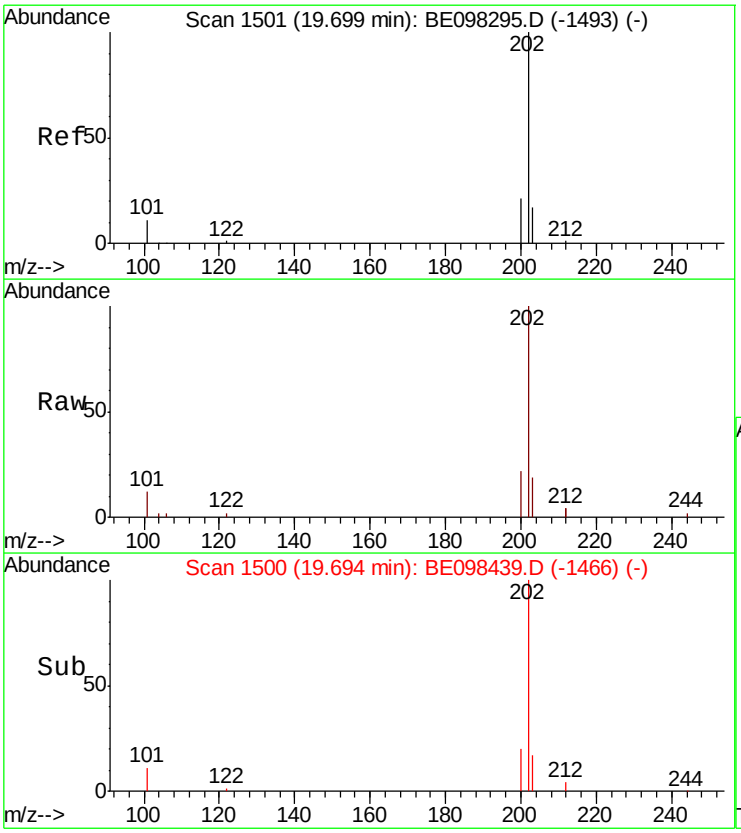
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:240 Resp: 7880

Ion	Ratio	Lower	Upper
240	100		
120	6.9	9.5	14.3#
236	27.2	22.7	34.1

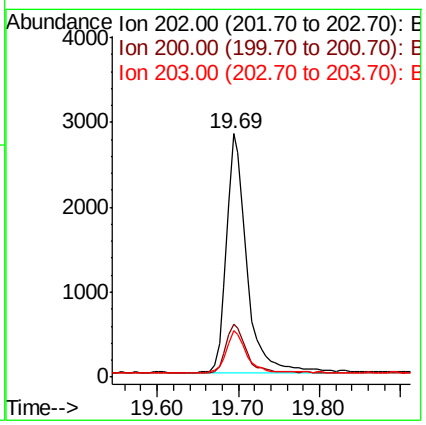


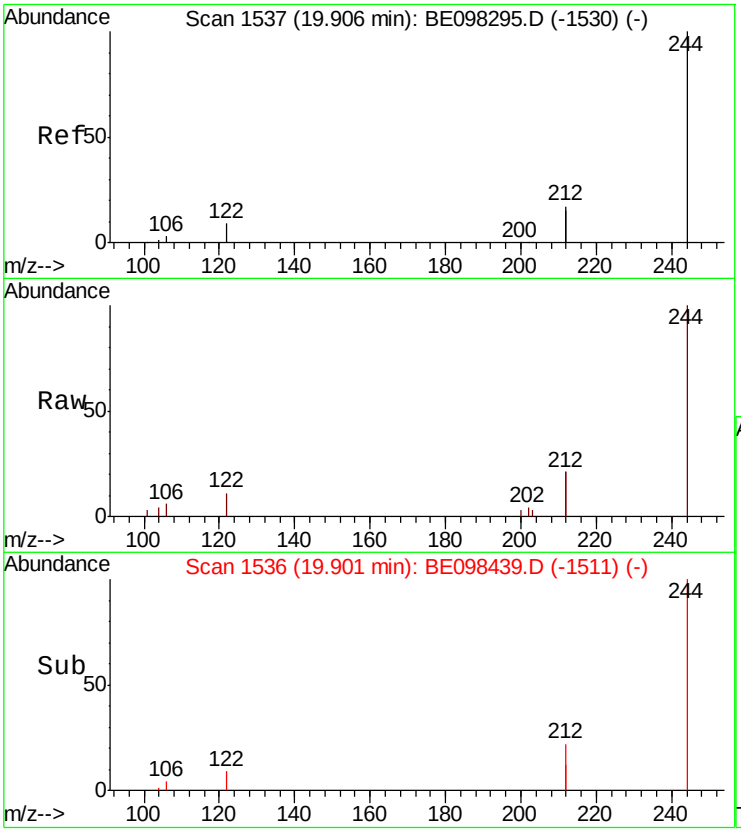


#28
Pyrene
Concen: 0.197 ng
RT: 19.69 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:202 Resp: 4878

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.8	14.1	21.1



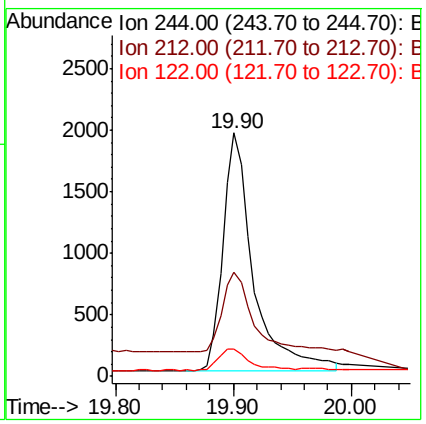


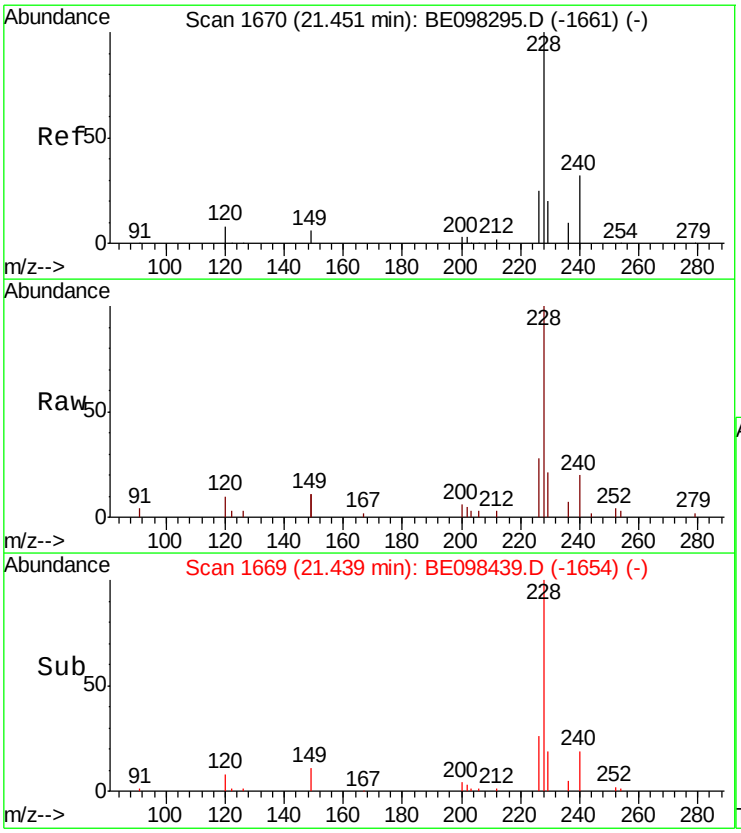
#29
Terphenyl-d14
Concen: 0.181 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:244 Resp: 3458

Ion	Ratio	Lower	Upper
244	100		
212	42.8	27.4	41.0#
122	11.2	8.3	12.5

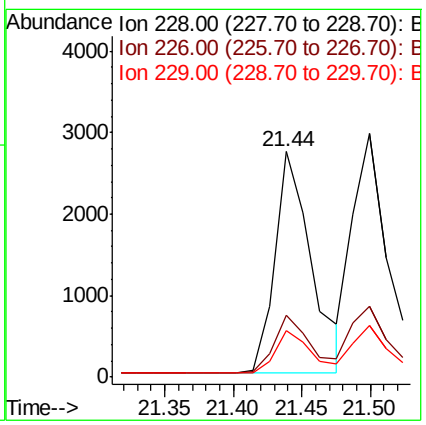


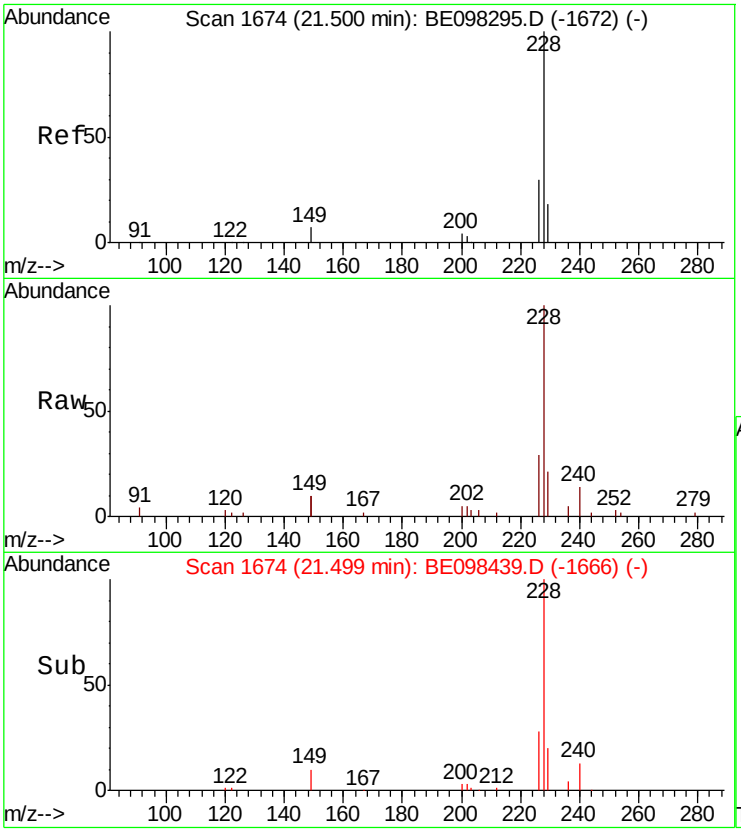


#30
Benzo(a)anthracene
Concen: 0.223 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:228 Resp: 5009

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.6	16.3	24.5



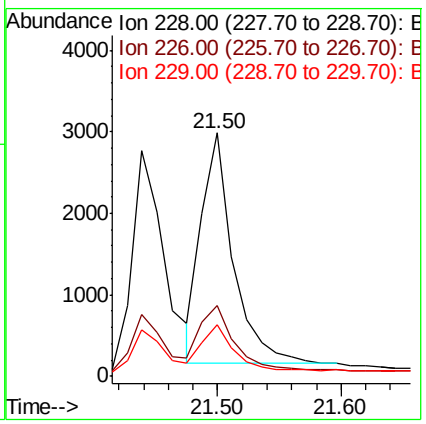


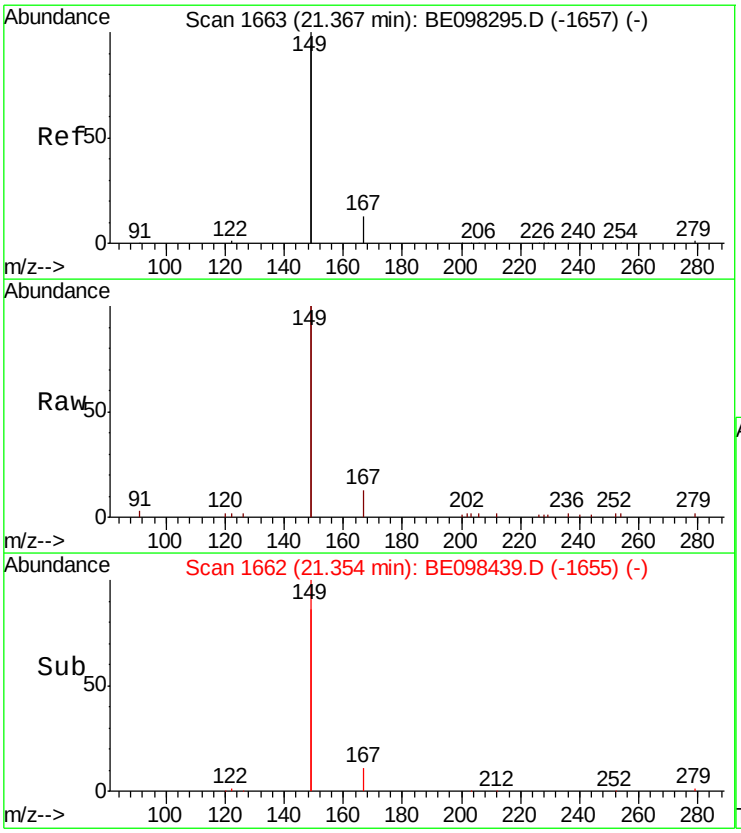
#31
Chrysene
Concen: 0.218 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:228 Resp: 5120

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.0
229	21.0	16.2	24.4

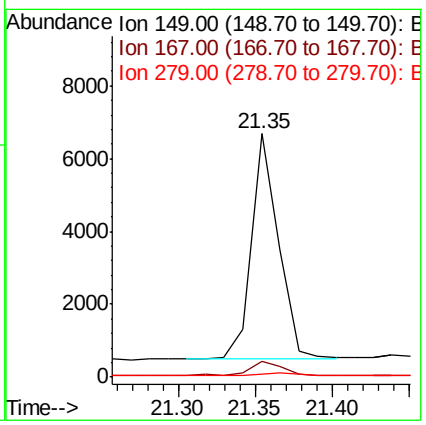


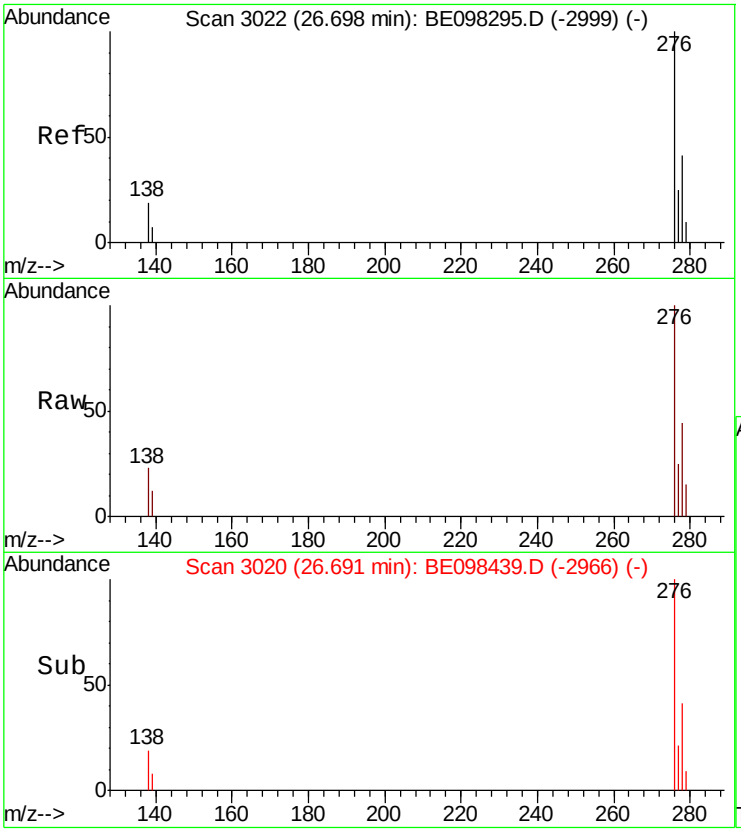


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.164 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:149 Resp: 7482

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.7	8.5
279	1.0	1.0	1.4



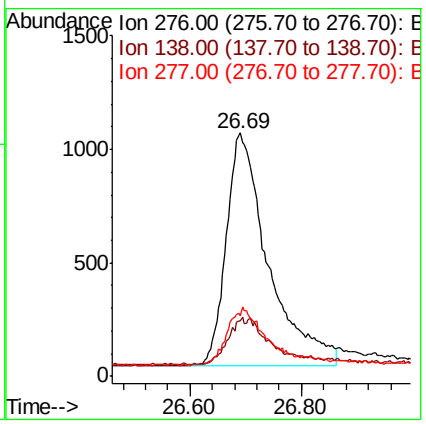


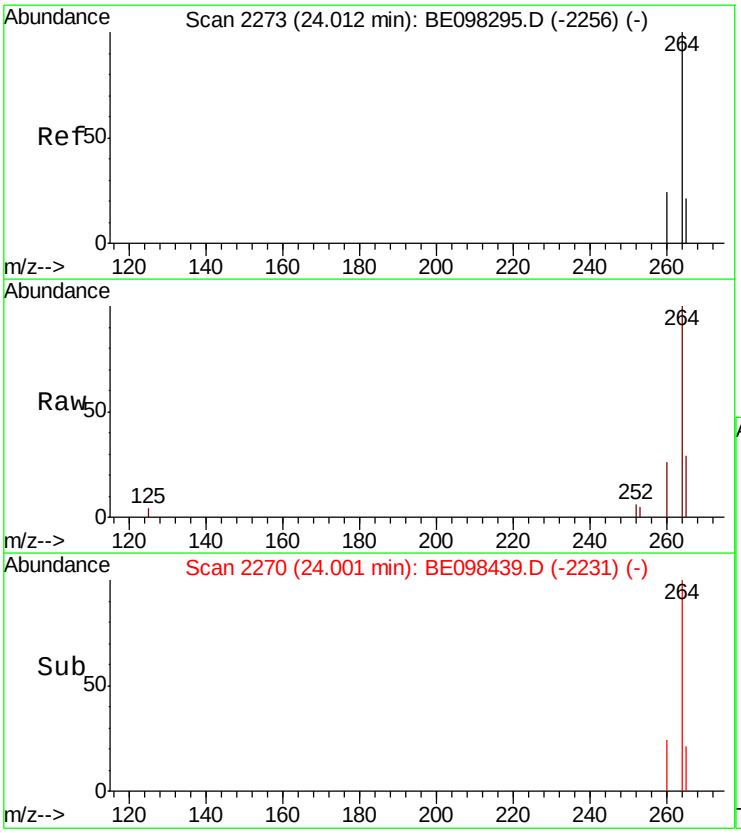
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.230 ng
RT: 26.69 min Scan# 3020
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:276 Resp: 5382

Ion	Ratio	Lower	Upper
276	100		
138	8.6	16.3	24.5#
277	21.9	20.2	30.4

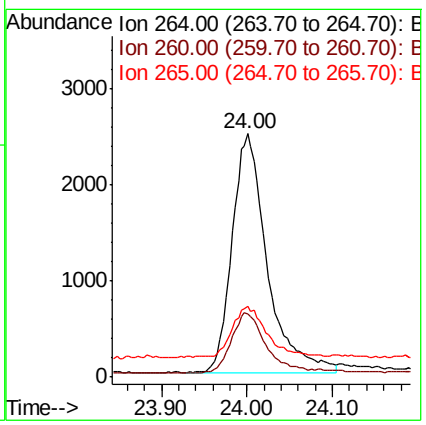


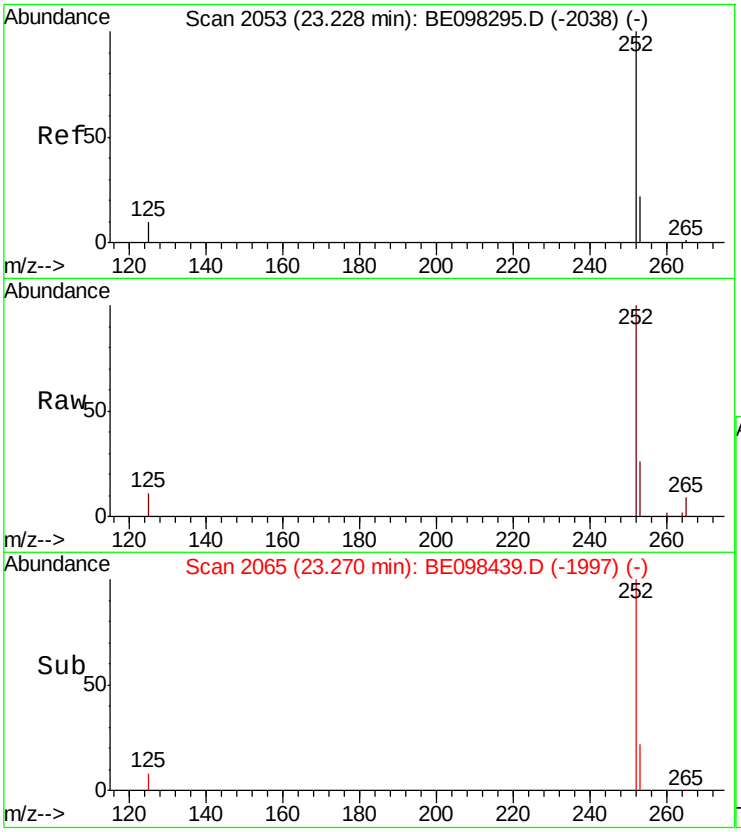


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:264 Resp: 7107

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.2	30.2
265	29.2	25.2	37.8



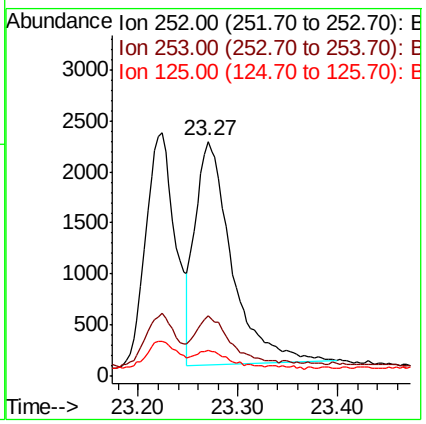


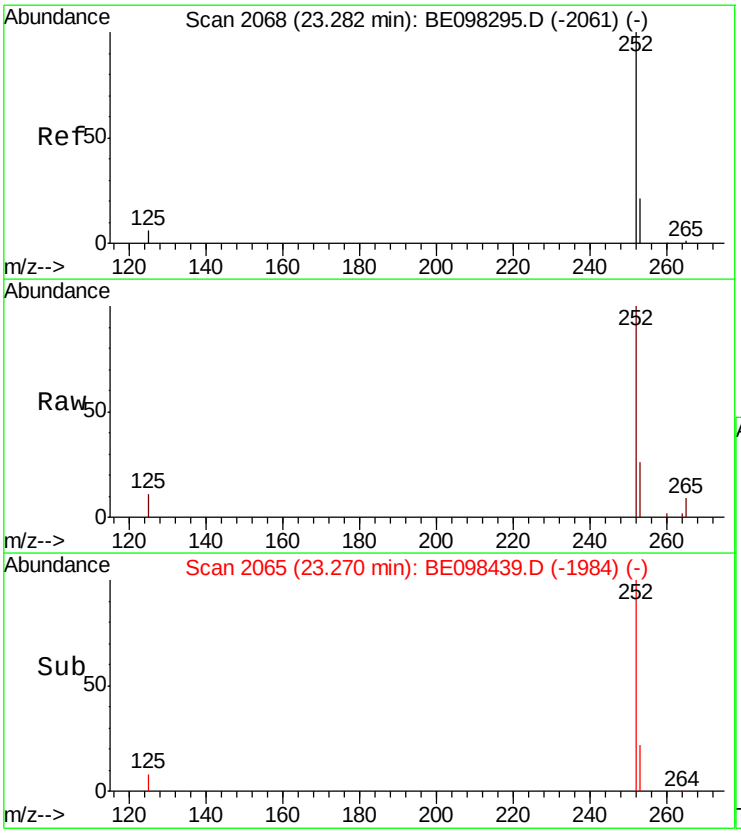
#35
Benzo(b)fluoranthene
Concen: 0.287 ng
RT: 23.27 min Scan# 2065
Delta R.T. 0.04 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:252 Resp: 5580

Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.0	30.0
125	11.4	9.6	14.4

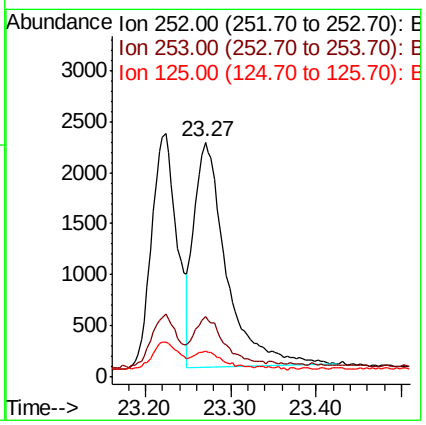


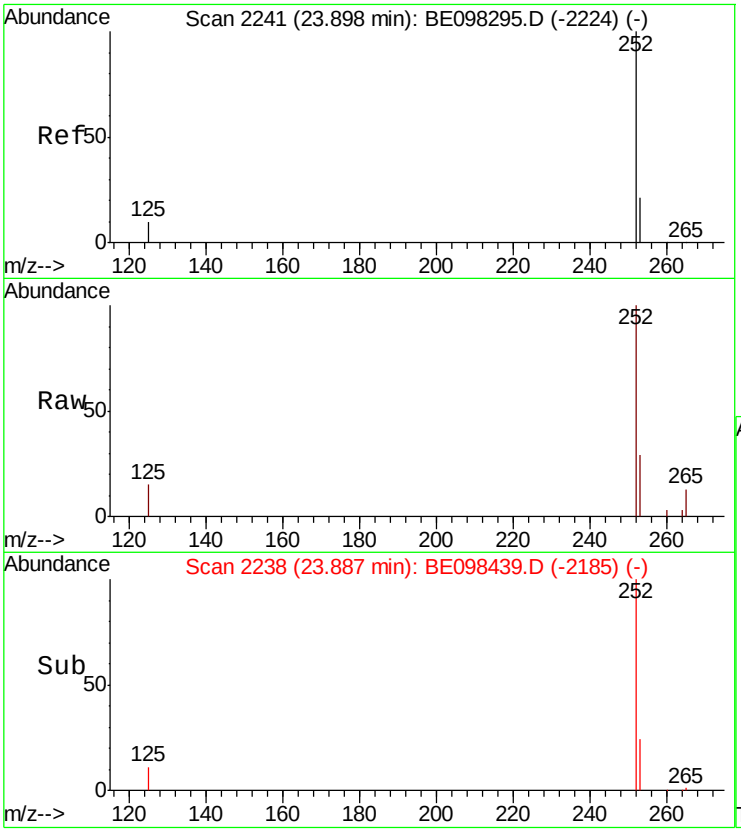


#36
Benzo(k)fluoranthene
Concen: 0.255 ng
RT: 23.27 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:252 Resp: 5775

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.0	28.6
125	11.4	9.1	13.7



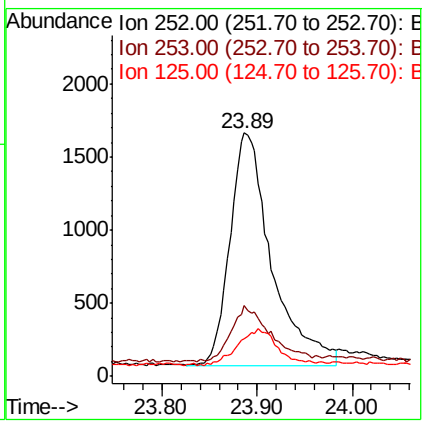


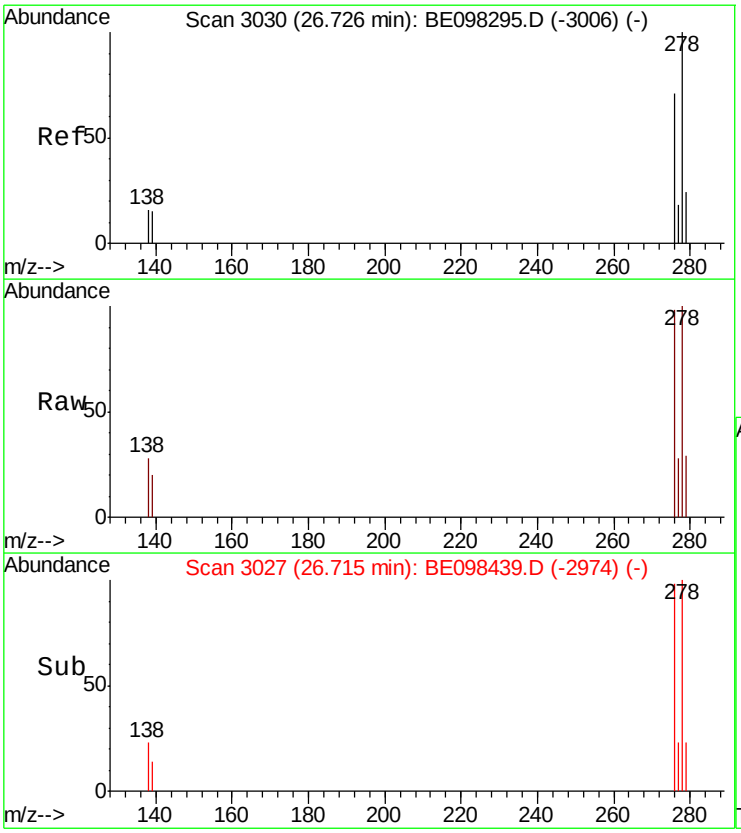
#37
Benzo(a)pyrene
Concen: 0.243 ng
RT: 23.89 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:252 Resp: 4869

Ion	Ratio	Lower	Upper
252	100		
253	29.1	20.6	30.8
125	15.3	10.5	15.7

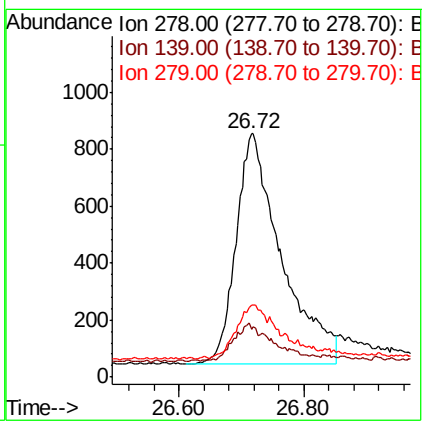


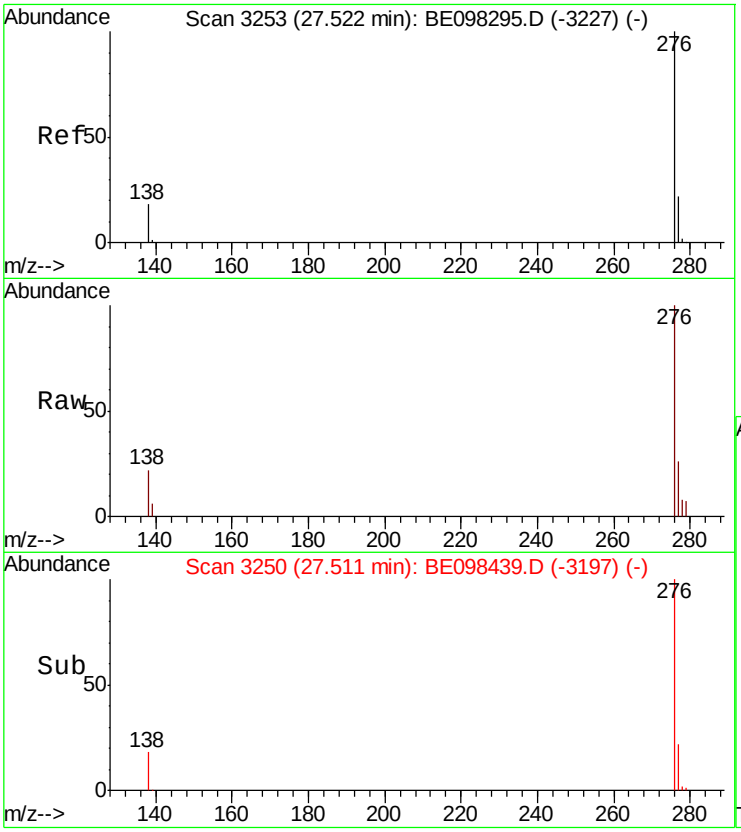


#38
Dibenzo(a,h)anthracene
Concen: 0.216 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:278 Resp: 4080

Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.5	21.7
279	29.4	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.233 ng
RT: 27.51 min Scan# 3250
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:276 Resp: 4438

Ion	Ratio	Lower	Upper
276	100		
277	26.2	20.8	31.2
138	22.4	15.8	23.6