Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098601.D
Acq On : 2 Jan 2019 10:23
Operator : SJ/JU
Sample : PB116071BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116071BS

Quant Time: Jan 02 11:01:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1011	0.40	ng		0.01
7) Naphthalene-d8	10.61	136	3953	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	2125	0.40	ng		0.02
19) Phenanthrene-d10	17.23	188	4643	0.40	ng		0.01
27) Chrysene-d12	21.41	240	5780	0.40	ng		0.01
34) Perylene-d12	23.93	264	6223	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	1138	0.48	ng		0.03
5) Phenol-d6	7.00	99	1543	0.46	ng		0.01
8) Nitrobenzene-d5	8.98	82	1464	0.41	ng		0.02
11) 2-Methylnaphthalene-d10	12.21	152	2795	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	333	0.43	ng		0.01
15) 2-Fluorobiphenyl	13.10	172	3480	0.39	ng		0.02
25) Fluoranthene-d10	19.26	212	24068	0.40	ng		0.01
29) Terphenyl-d14	19.86	244	5029	0.36	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	500	0.286	ng	#	31
3) n-Nitrosodimethylamine	3.64	42	718	0.456	ng	#	100
6) bis(2-Chloroethyl)ether	7.24	93	1042	0.327	ng		98
9) Naphthalene	10.65	128	15185	0.382	ng	#	99
10) Hexachlorobutadiene	10.94	225	994	0.392	ng		99
12) 2-Methylnaphthalene	12.28	142	2481	0.384	ng	#	90
16) Acenaphthylene	14.20	152	3581	0.360	ng		99
17) Acenaphthene	14.54	154	2207	0.369	ng		100
18) Fluorene	15.52	166	2870	0.359	ng		96
20) 4-Bromophenyl-phenylether	16.42	248	931	0.373	ng		96
21) Hexachlorobenzene	16.53	284	1045	0.389	ng		93
22) Pentachlorophenol	16.90	266	723	1.293	ng		96
23) Phenanthrene	17.27	178	4457	0.395	ng		99
24) Anthracene	17.36	178	3841	0.382	ng		99
26) Fluoranthene	19.29	202	5575	0.373	ng		99
28) Pyrene	19.65	202	5707	0.315	ng		99
30) Benzo(a)anthracene	21.39	228	6585	0.400	ng		98
31) Chrysene	21.45	228	6450	0.374	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	12976	0.388	ng		99
33) Indeno(1,2,3-cd)pyrene	26.57	276	8296	0.484	ng	#	88
35) Benzo(b)fluoranthene	23.15	252	6845	0.402	ng		98
36) Benzo(k)fluoranthene	23.20	252	7609	0.384	ng		97
37) Benzo(a)pyrene	23.81	252	7089	0.404	ng		98
38) Dibenzo(a,h)anthracene	26.60	278	6642	0.402	ng		98
39) Benzo(g,h,i)perylene	27.39	276	7162	0.430	ng		97

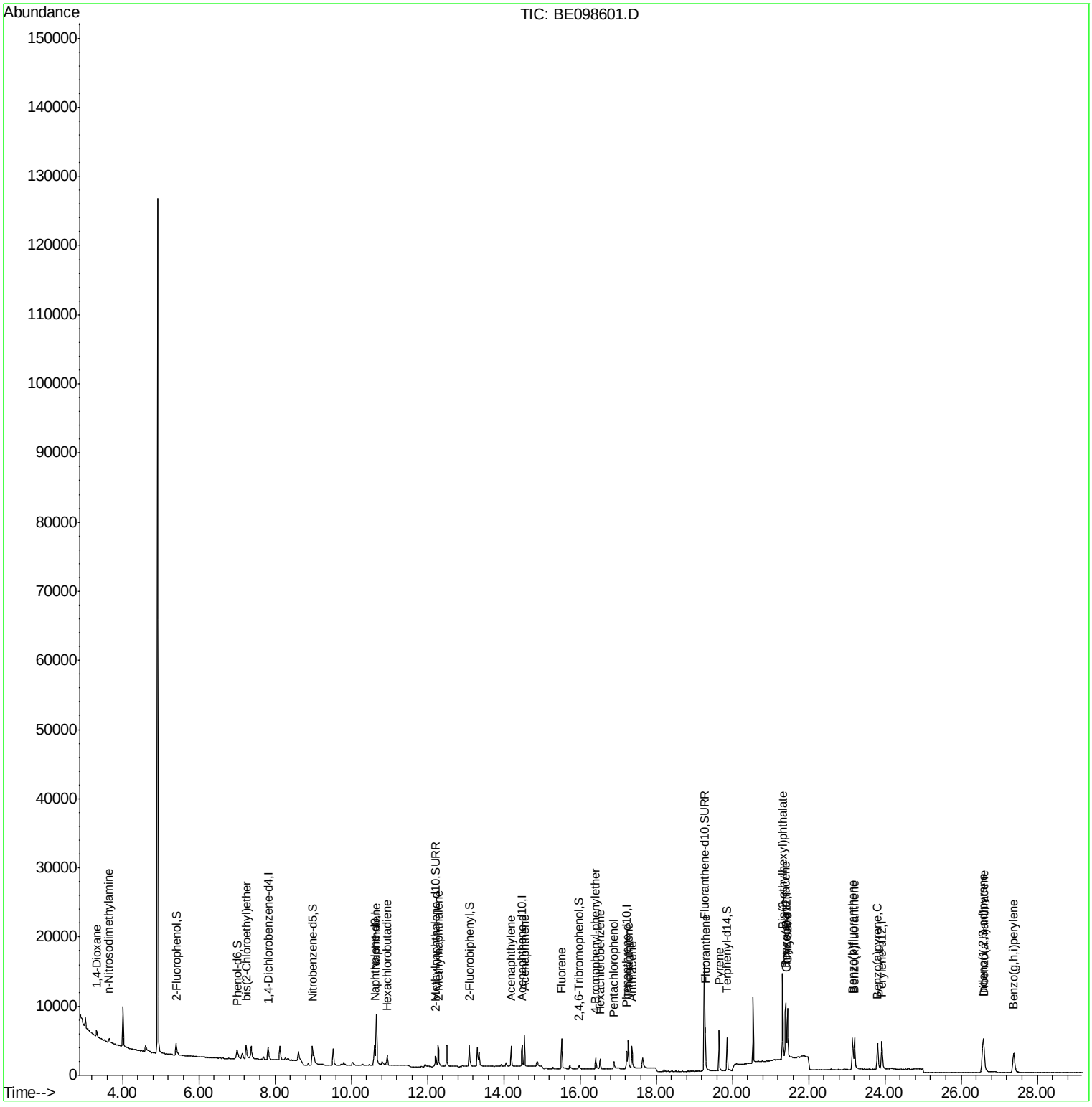
(#) = qualifier out of range (m) = manual integration (+) = signals summed

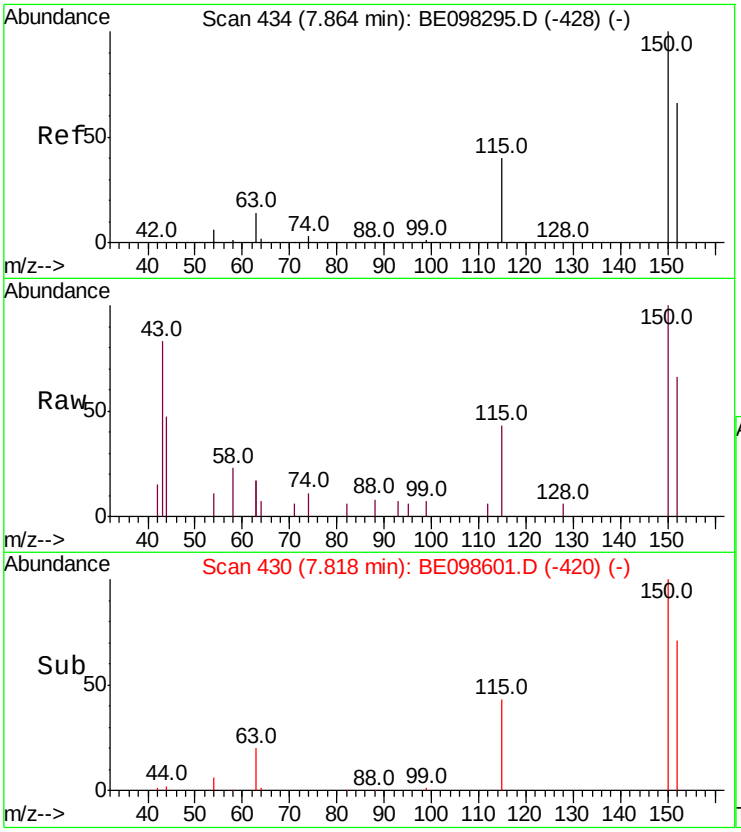
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098601.D
Acq On : 2 Jan 2019 10:23
Operator : SJ/JU
Sample : PB116071BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Quant Time: Jan 02 11:01:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration



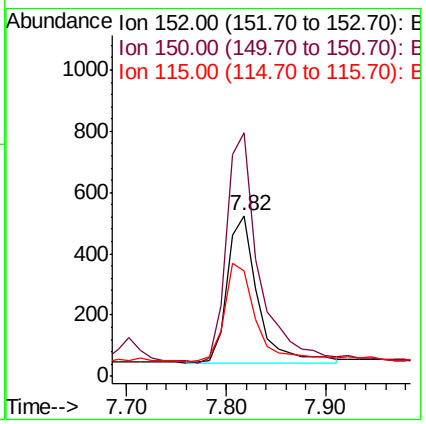


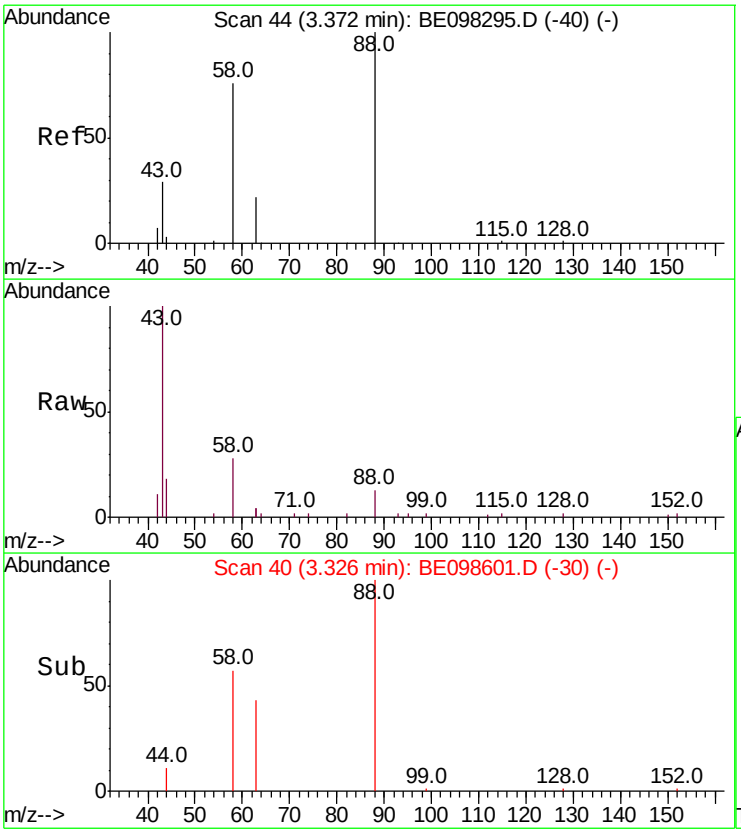
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:152 Resp: 1011

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.2	186.4
115	65.3	53.9	80.9

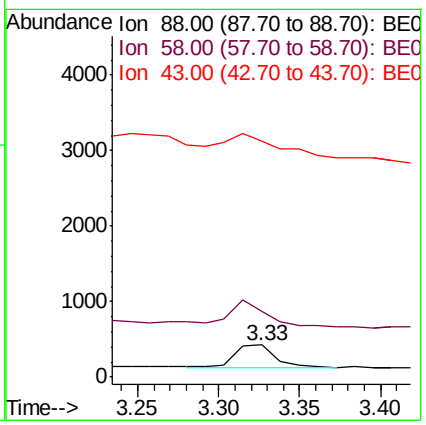


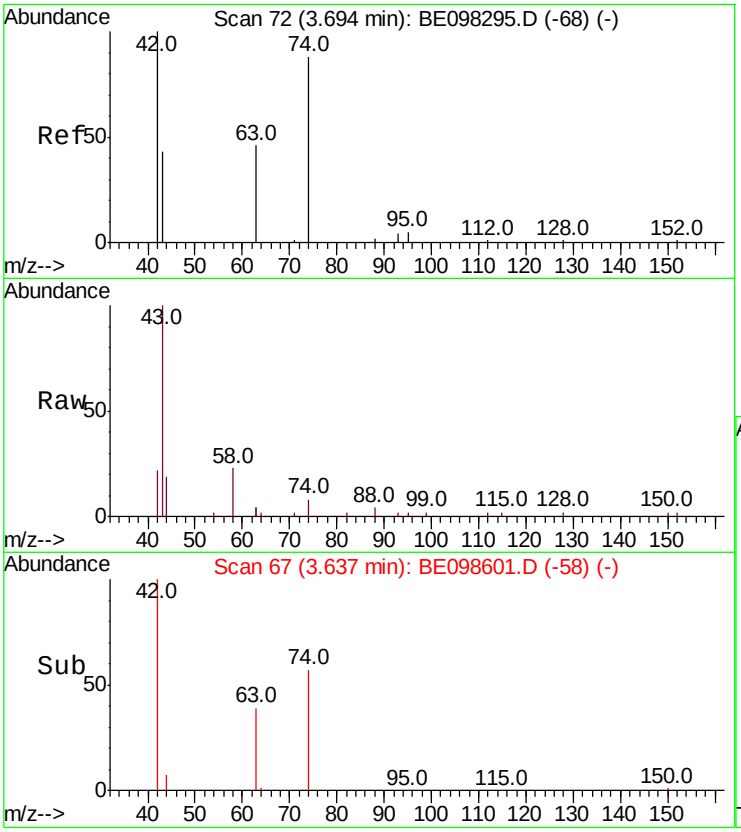


#2
1,4-Dioxane
Concen: 0.286 ng
RT: 3.33 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion: 88 Resp: 500

Ion	Ratio	Lower	Upper
88	100		
58	130.0	75.0	112.6#
43	136.4	38.3	57.5#



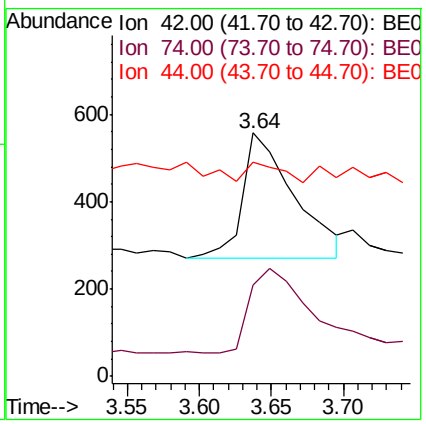


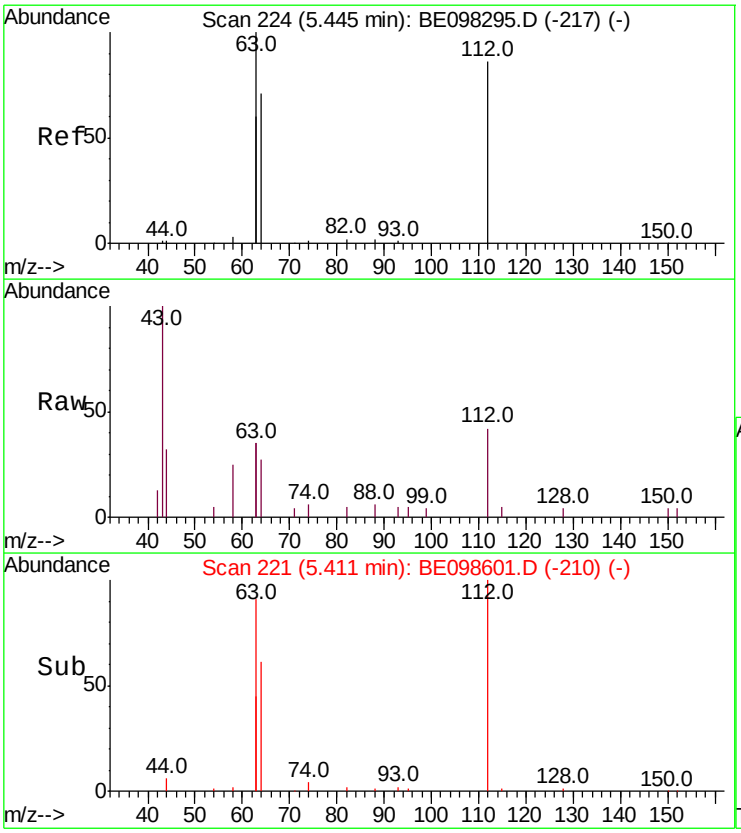
#3
n-Nitrosodimethylamine
Concen: 0.456 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion: 42 Resp: 718

Ion	Ratio	Lower	Upper
42	100		
74	73.8	0.0	0.0#
44	10.4	0.0	0.0#

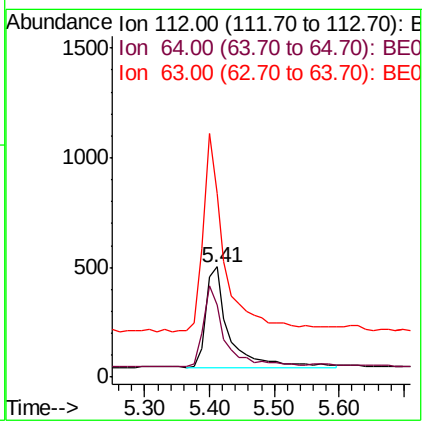


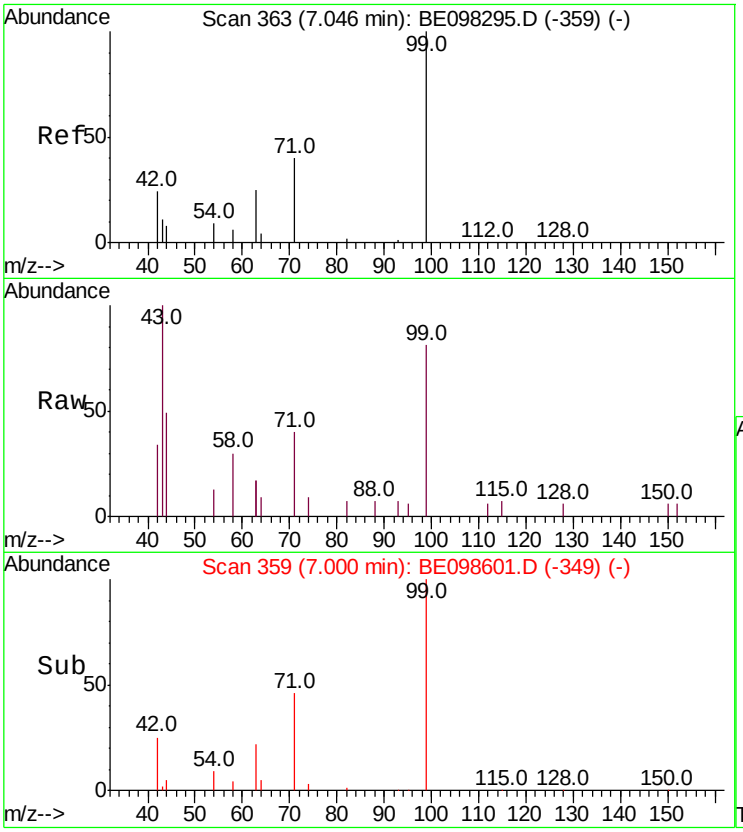


#4
2-Fluorophenol
Concen: 0.481 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.03 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:112 Resp: 1138

Ion	Ratio	Lower	Upper
112	100		
64	75.0	59.8	89.8
63	185.4	133.7	200.5



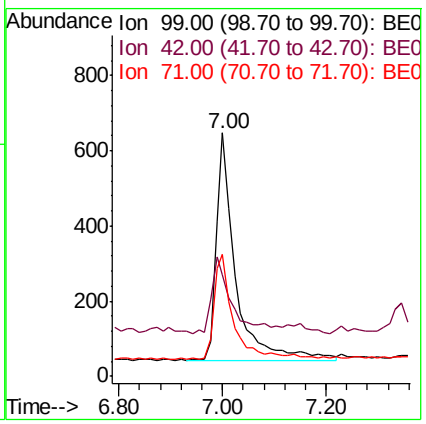


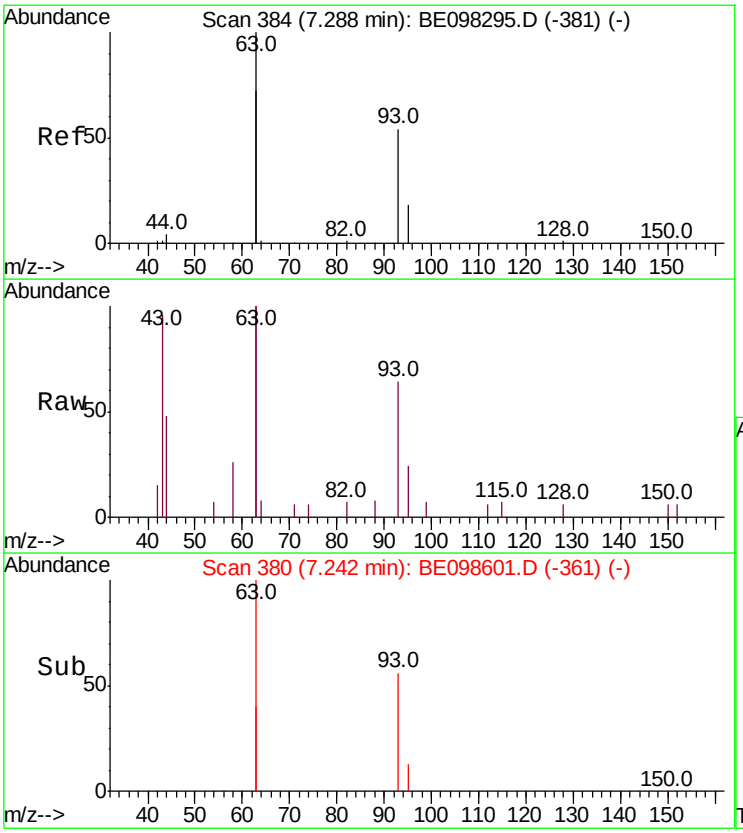
#5
Phenol-d6
Concen: 0.460 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion: 99 Resp: 1543

Ion	Ratio	Lower	Upper
99	100		
42	36.2	26.3	39.5
71	47.4	33.6	50.4

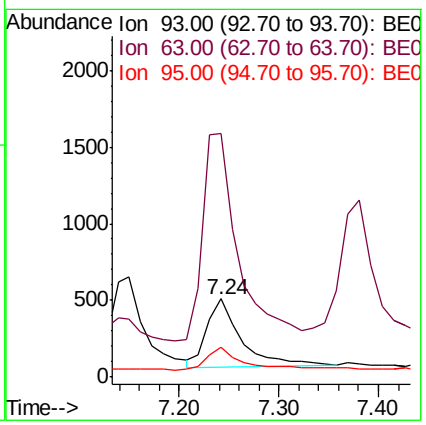


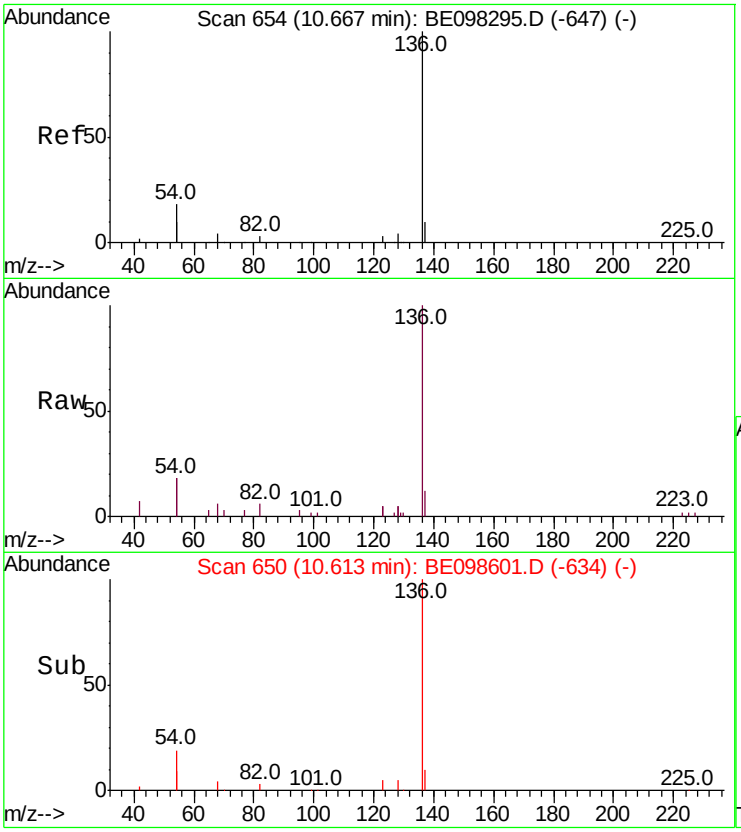


#6
bis(2-Chloroethyl)ether
Concen: 0.327 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion: 93 Resp: 1042

Ion	Ratio	Lower	Upper
93	100		
63	324.9	264.4	396.6
95	33.3	26.6	40.0



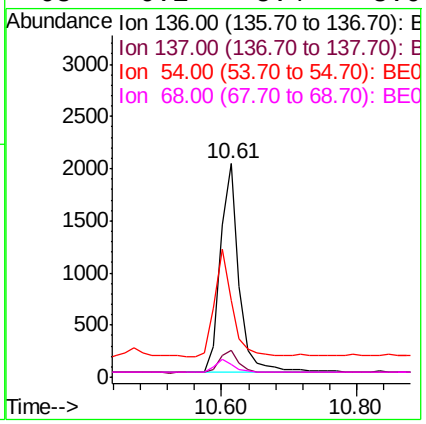


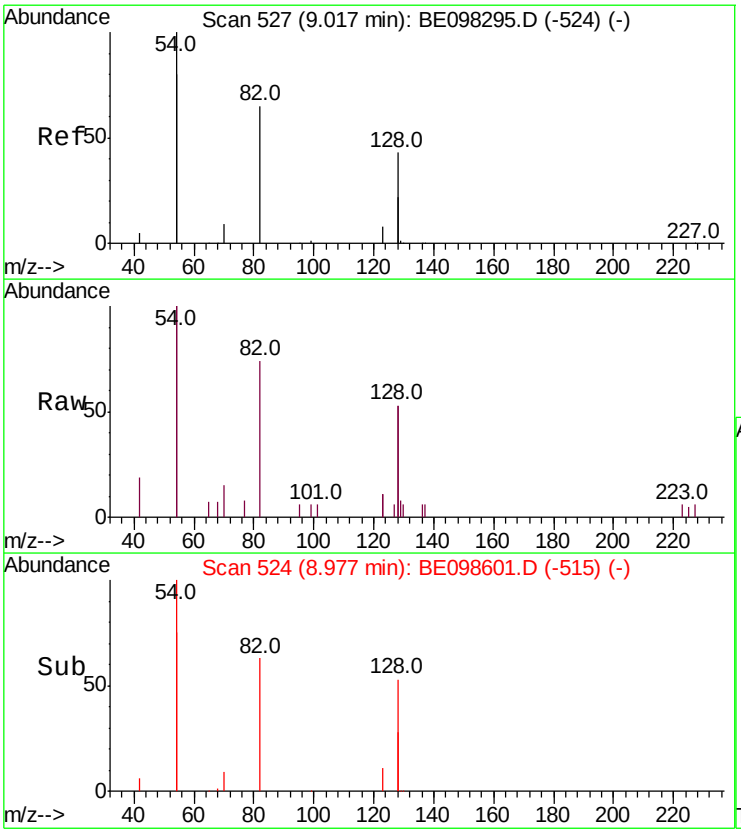
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument : BNA_E
ClientSampleId : PB116071BS

Tgt Ion:136 Resp: 3953

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	36.2	28.4	42.6
68	6.1	5.4	8.0

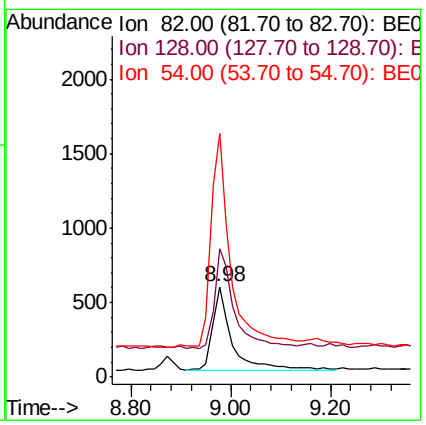


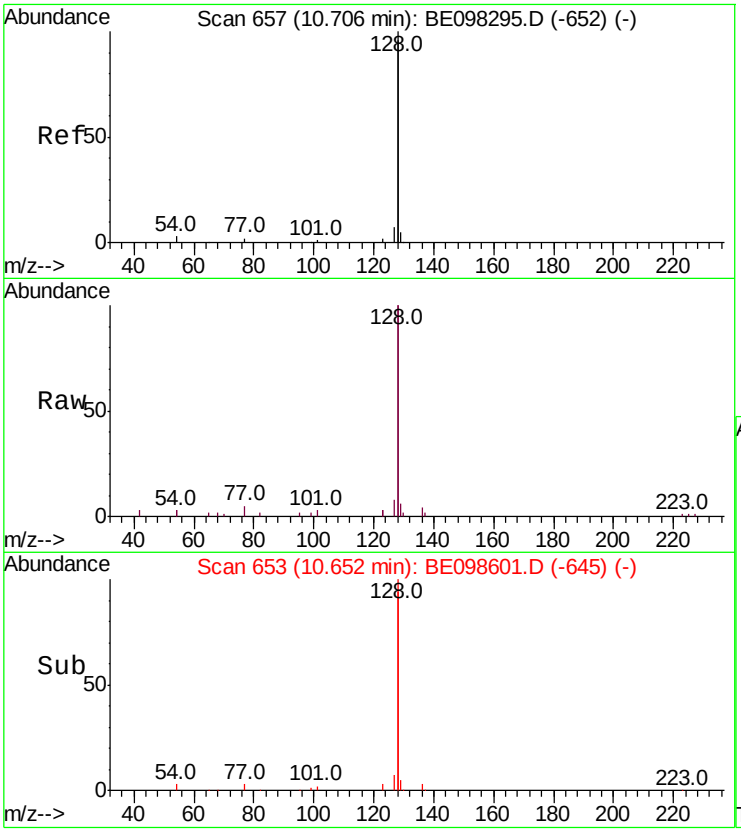


#8
Nitrobenzene-d5
Concen: 0.407 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion: 82 Resp: 1464

Ion	Ratio	Lower	Upper
82	100		
128	142.5	102.4	153.6
54	270.1	221.8	332.8



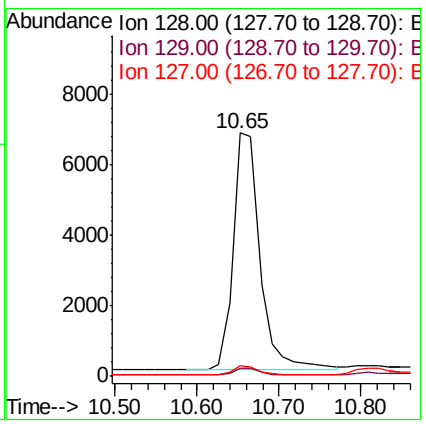


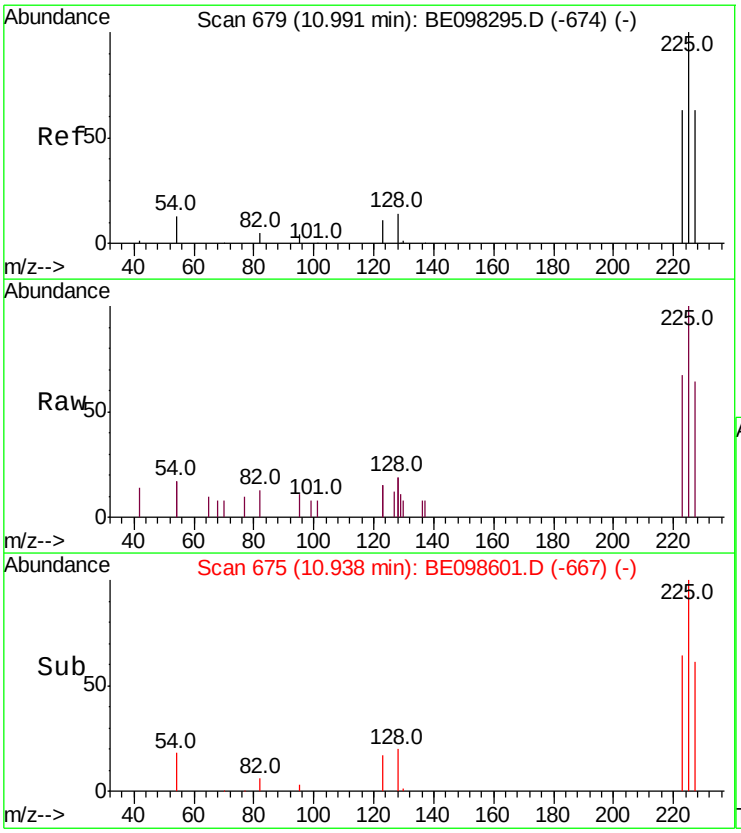
#9
Naphthalene
Concen: 0.382 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:128 Resp: 15185

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	4.1	2.7	4.1#

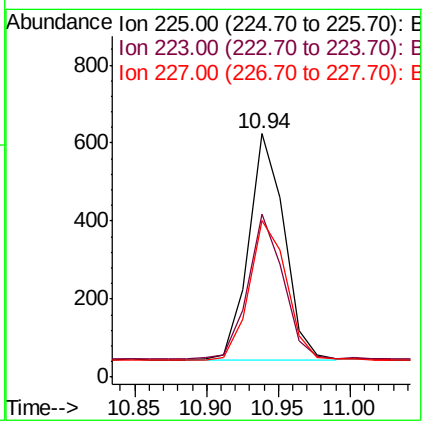


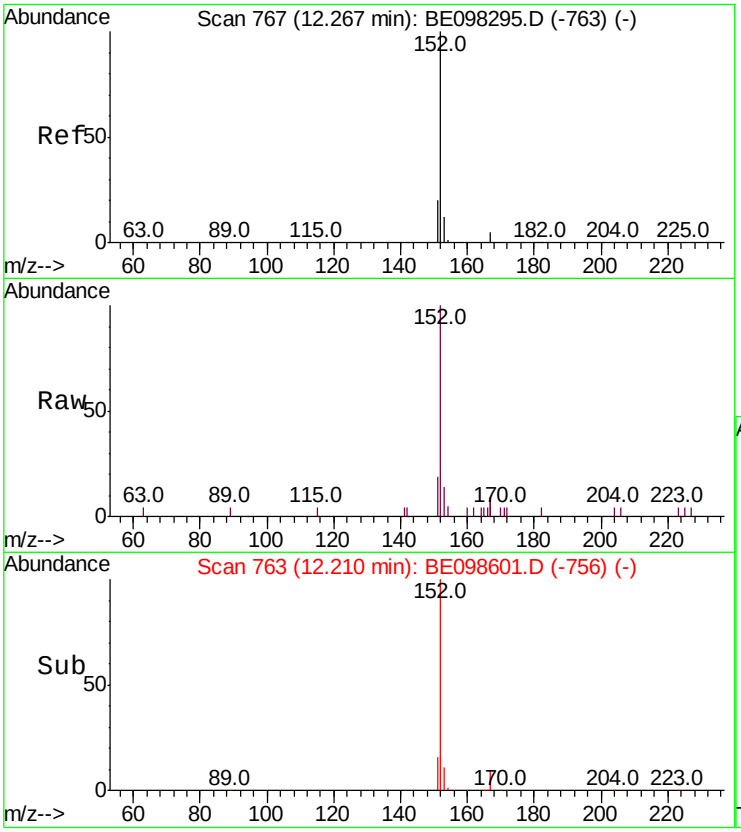


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:225 Resp: 994

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.0
227	64.3	52.0	78.0



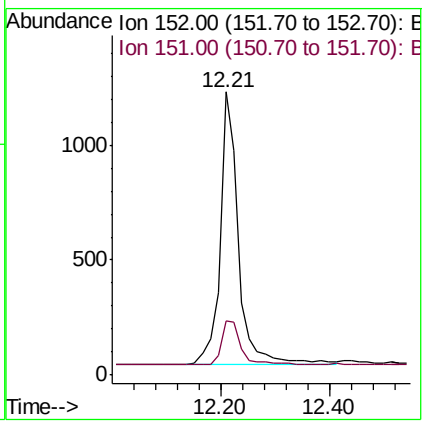


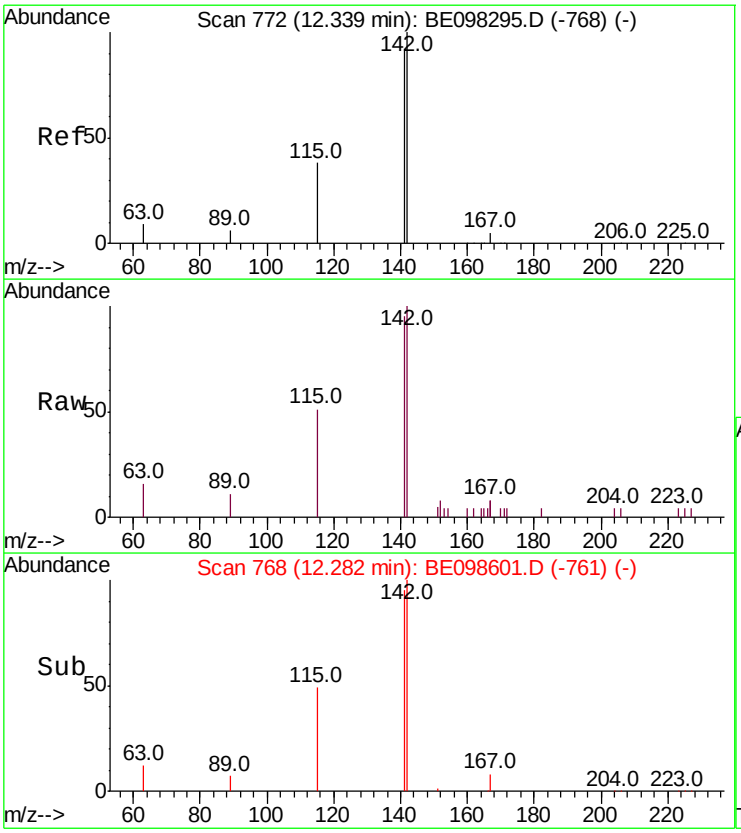
#11
2-Methylnaphthalene-d10
Concen: 0.435 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:152 Resp: 2795

Ion	Ratio	Lower	Upper
152	100		
151	17.1	16.2	24.4

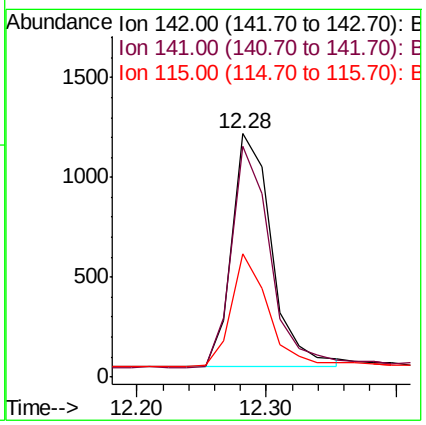


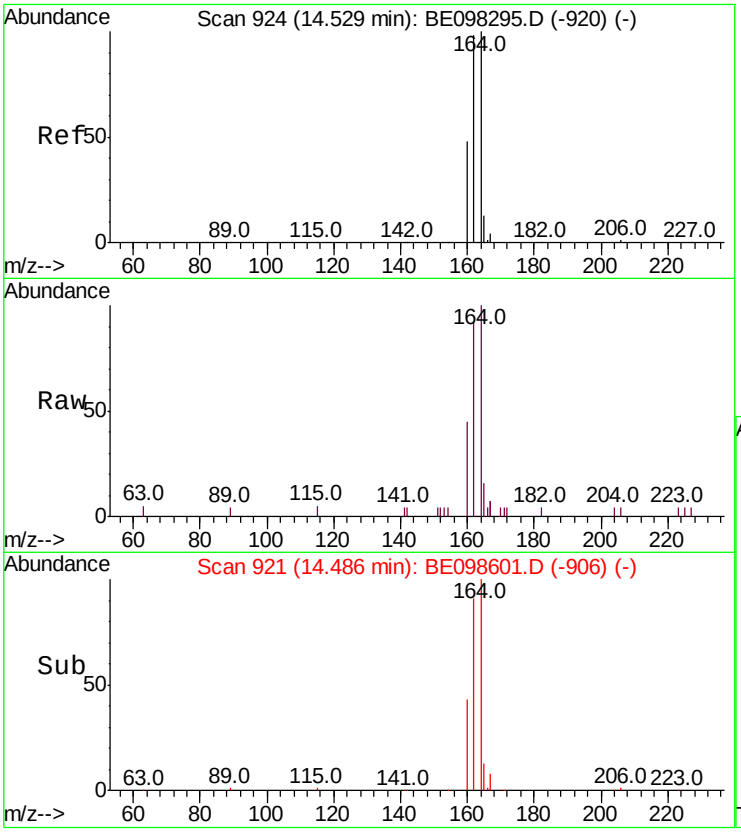


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:142 Resp: 2481

Ion	Ratio	Lower	Upper
142	100		
141	94.8	71.0	106.6
115	50.9	32.2	48.2#



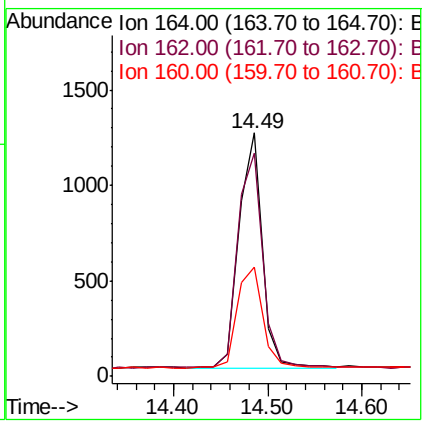


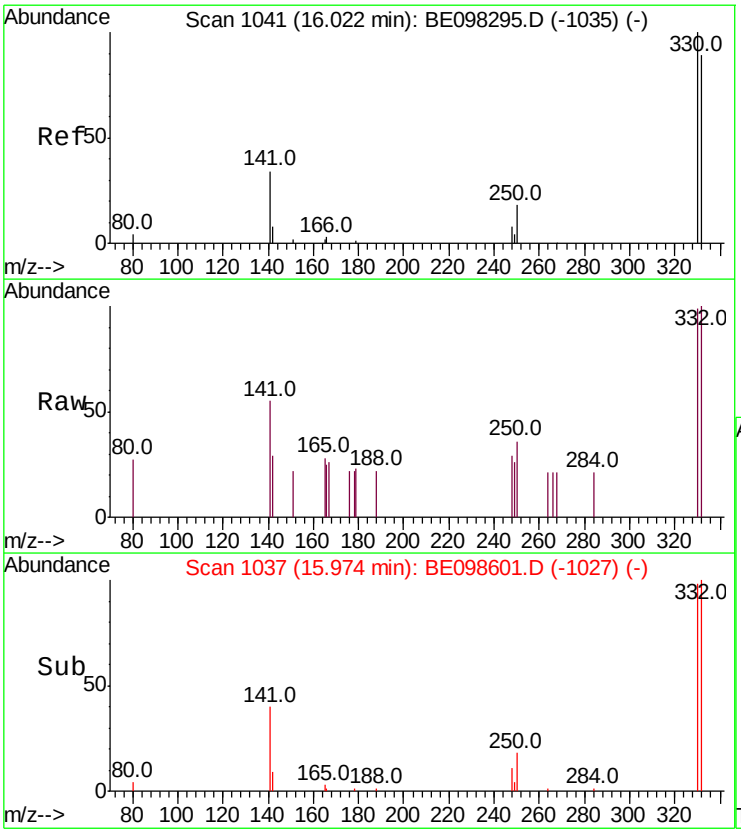
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:164 Resp: 2125

Ion	Ratio	Lower	Upper
164	100		
162	91.7	77.6	116.4
160	44.8	36.0	54.0

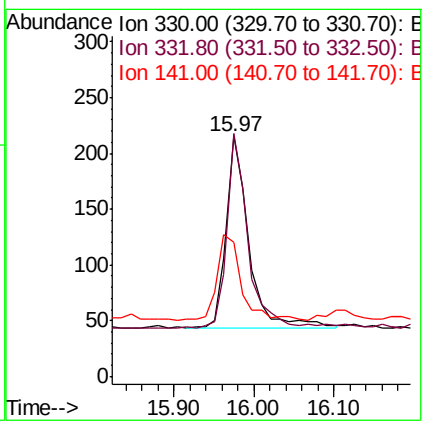


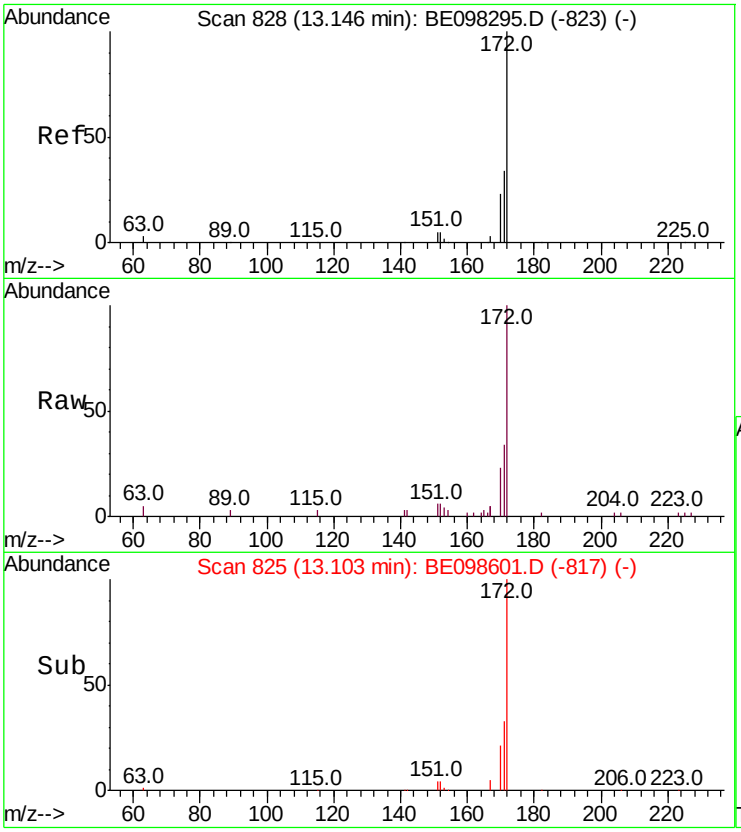


#14
2,4,6-Tribromophenol
Concen: 0.427 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:330 Resp: 333

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.2	114.4
141	48.9	39.0	58.4



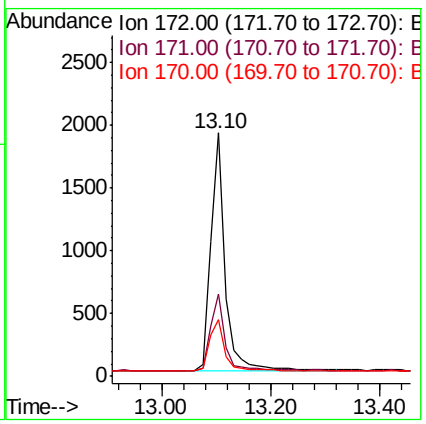


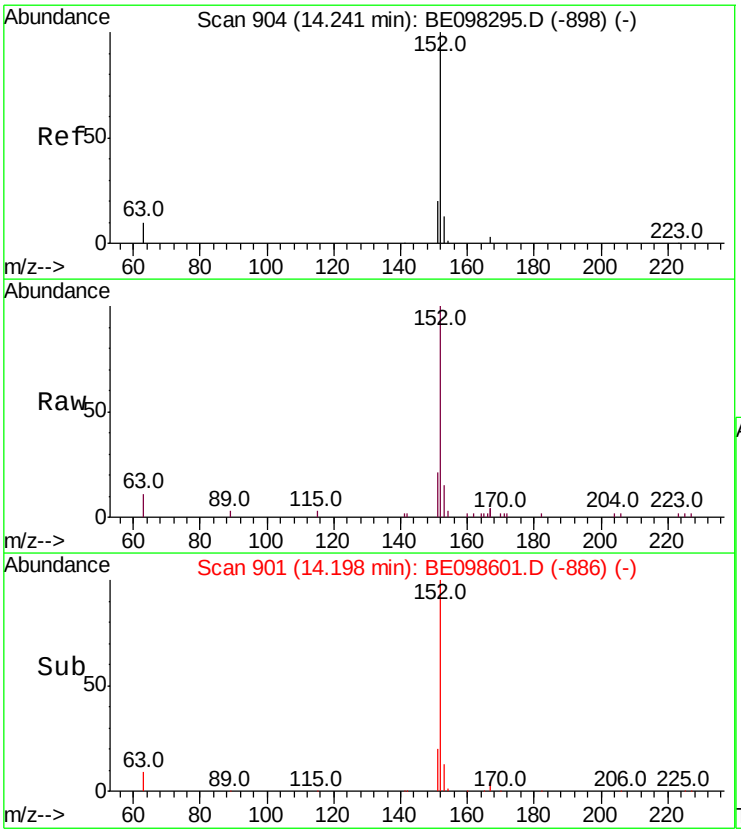
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:172 Resp: 3480

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.5	41.3
170	23.3	19.6	29.4

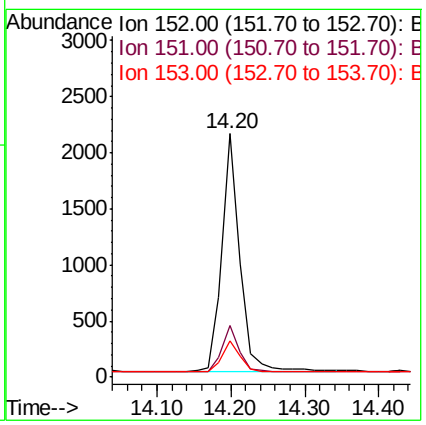


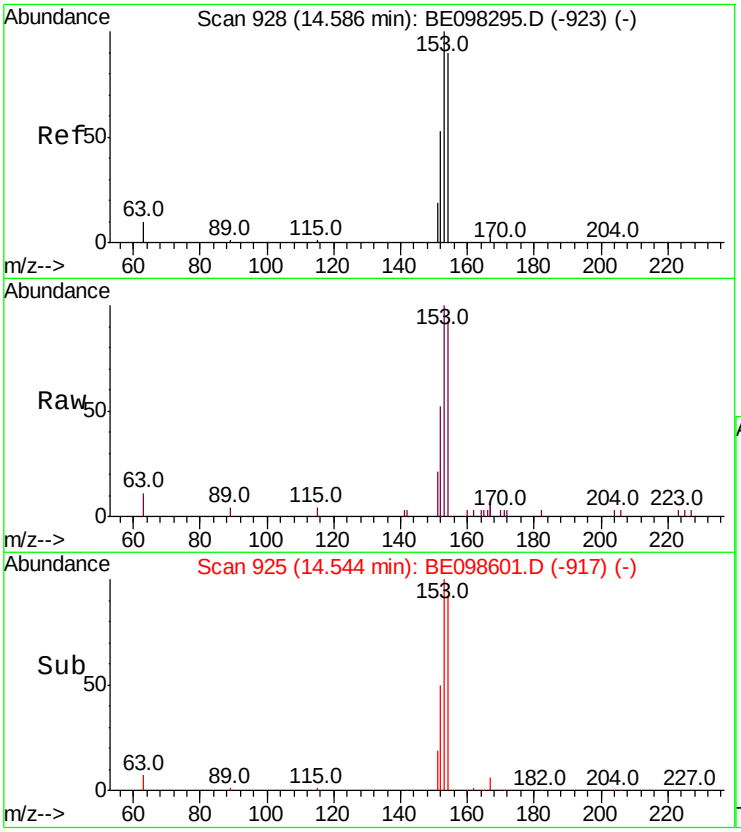


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:152 Resp: 3581

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.2	10.6	16.0



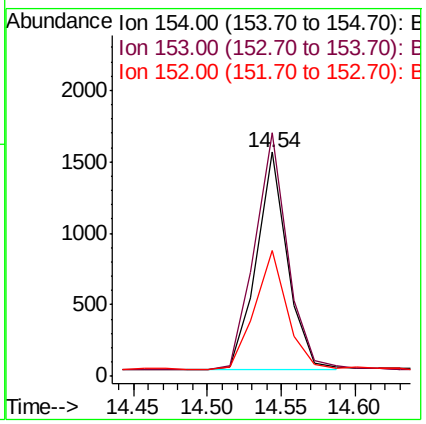


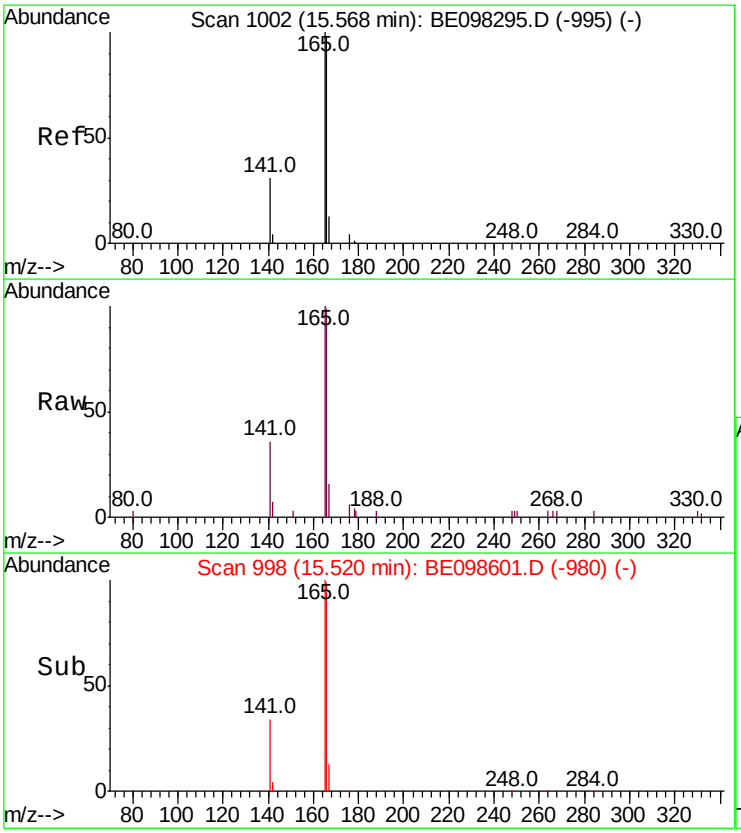
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:154 Resp: 2207

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.8	137.6
152	56.8	45.5	68.3

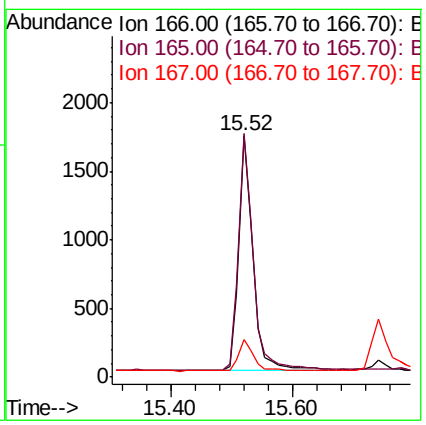


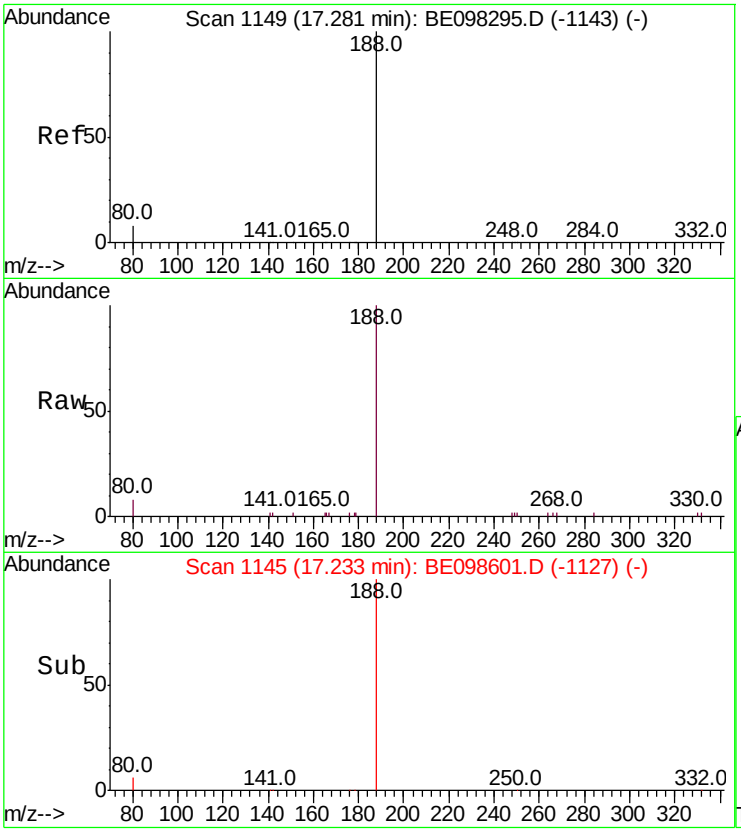


#18
Fluorene
Concen: 0.359 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:166 Resp: 2870

Ion	Ratio	Lower	Upper
166	100		
165	103.7	79.3	118.9
167	14.0	11.3	16.9



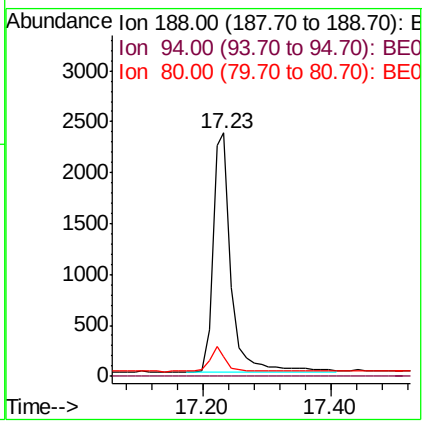


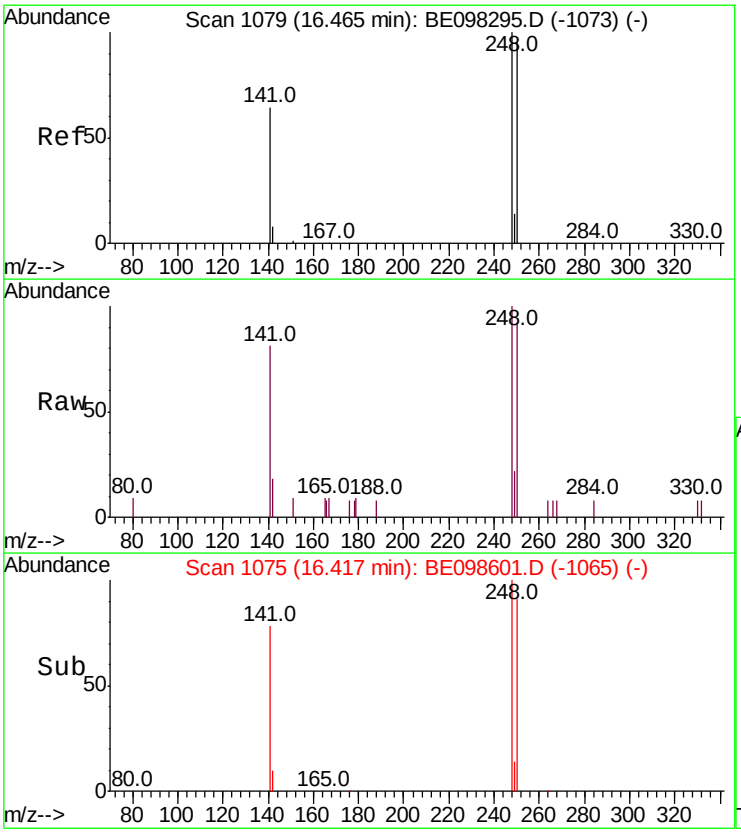
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:188 Resp: 4643

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	7.2	10.8

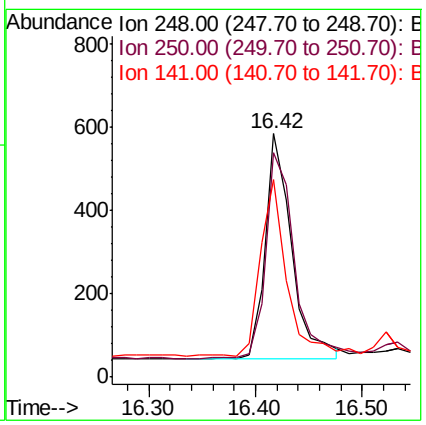


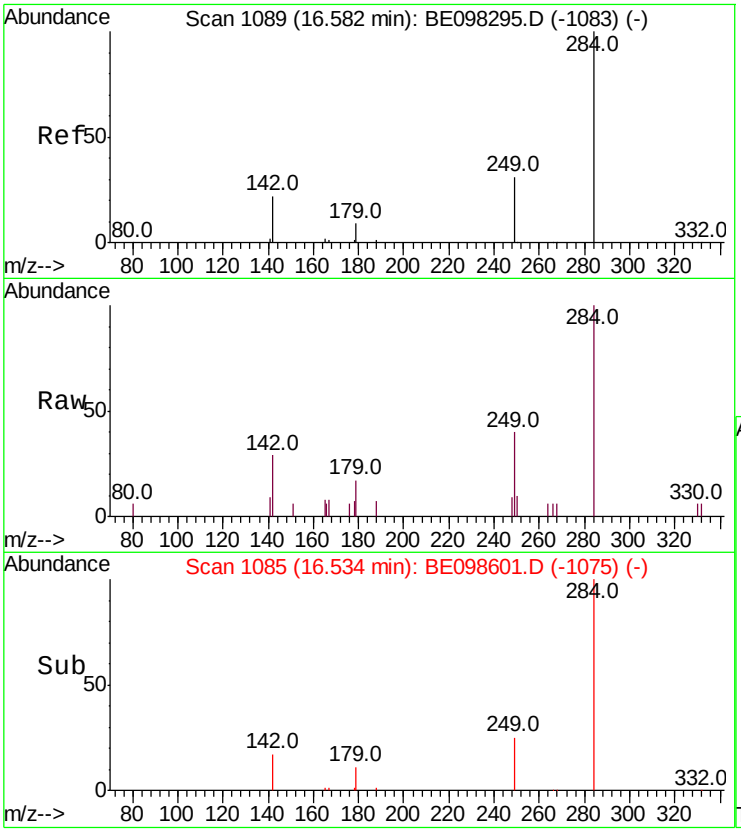


#20
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.42 min Scan# 1075
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:248 Resp: 931

Ion	Ratio	Lower	Upper
248	100		
250	92.3	71.0	106.6
141	81.0	62.1	93.1



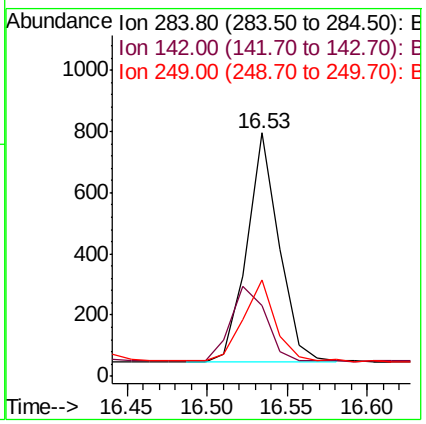


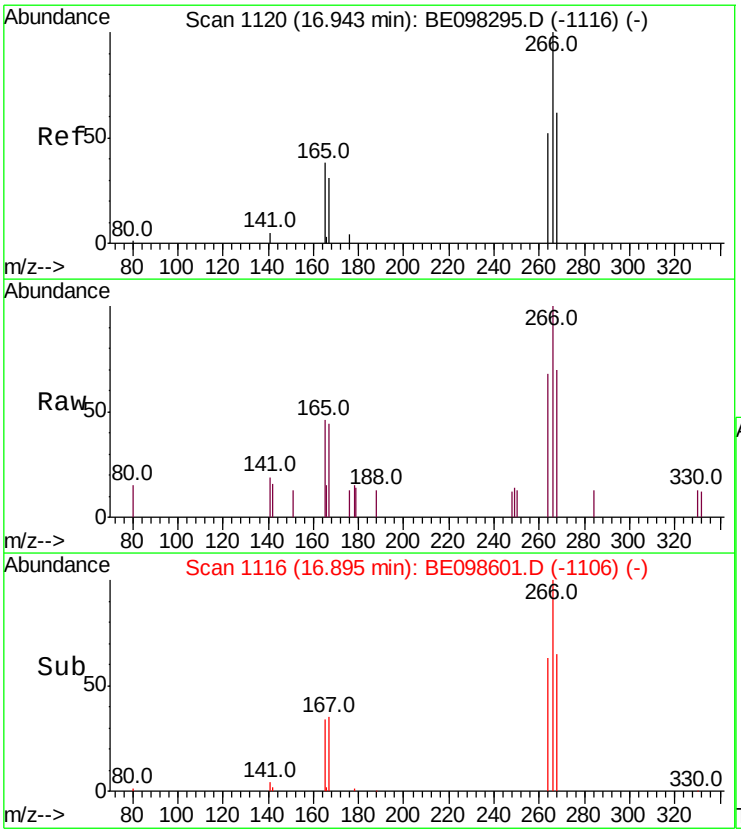
#21
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.53 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:284 Resp: 1045

Ion	Ratio	Lower	Upper
284	100		
142	37.5	26.3	39.5
249	36.2	26.0	39.0

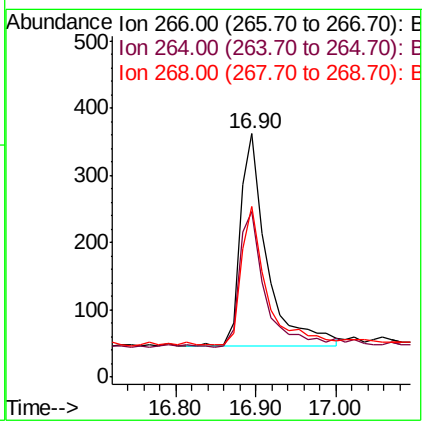


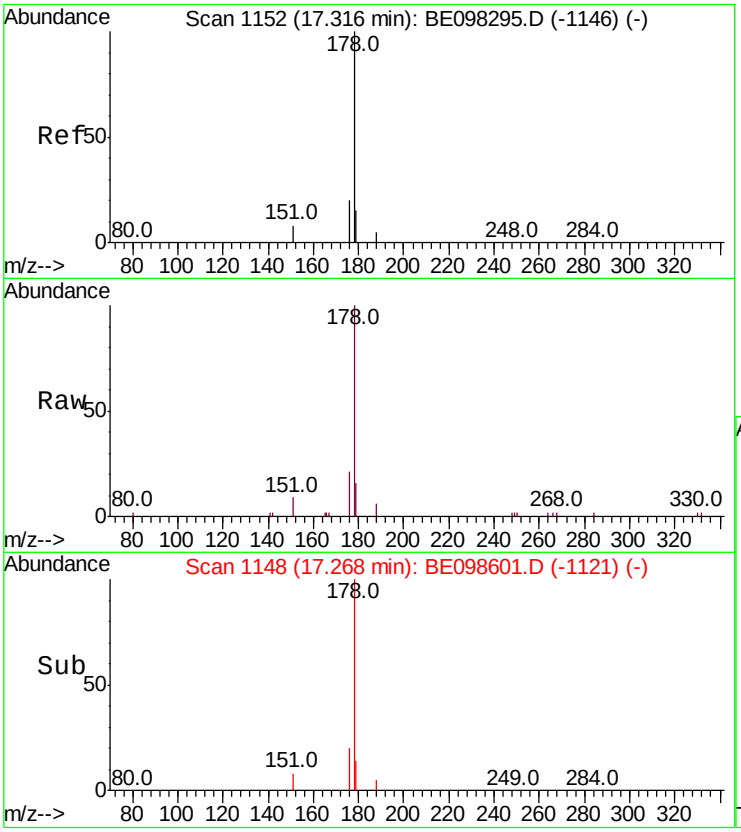


#22
Pentachlorophenol
Concen: 1.293 ng
RT: 16.90 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:266 Resp: 723

Ion	Ratio	Lower	Upper
266	100		
264	68.0	59.0	88.4
268	69.9	55.1	82.7



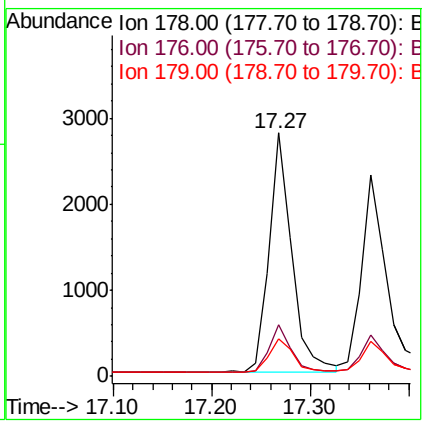


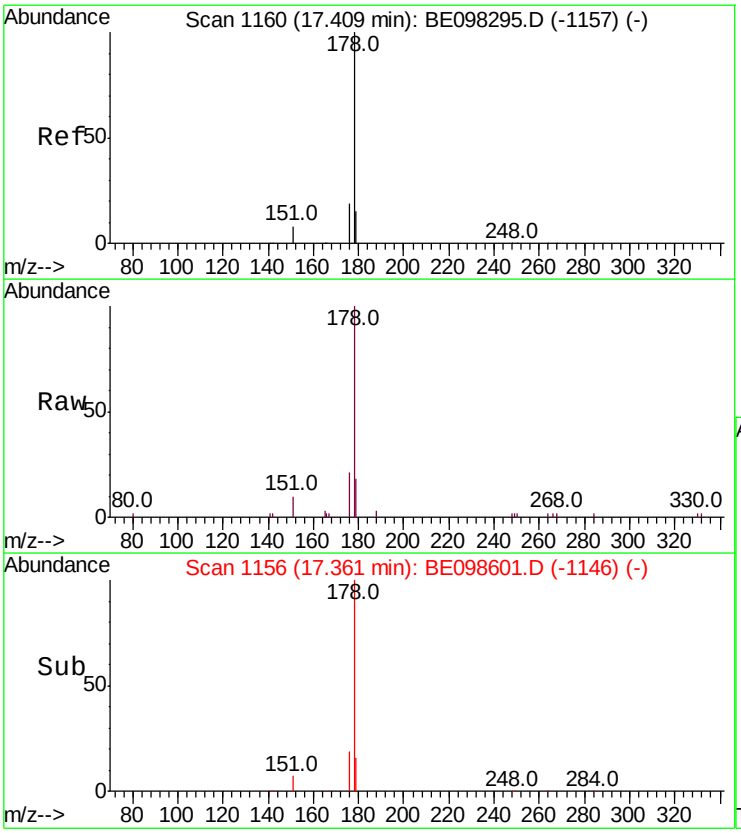
#23
Phenanthrene
Concen: 0.395 ng
RT: 17.27 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:178 Resp: 4457

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.1	12.3	18.5

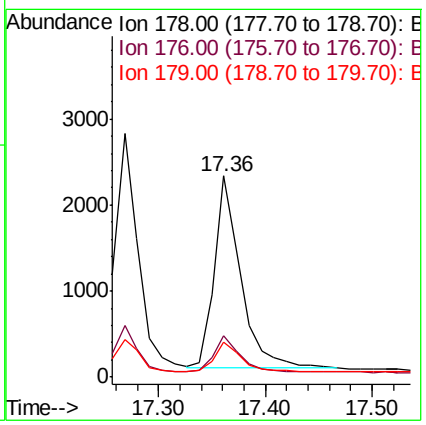


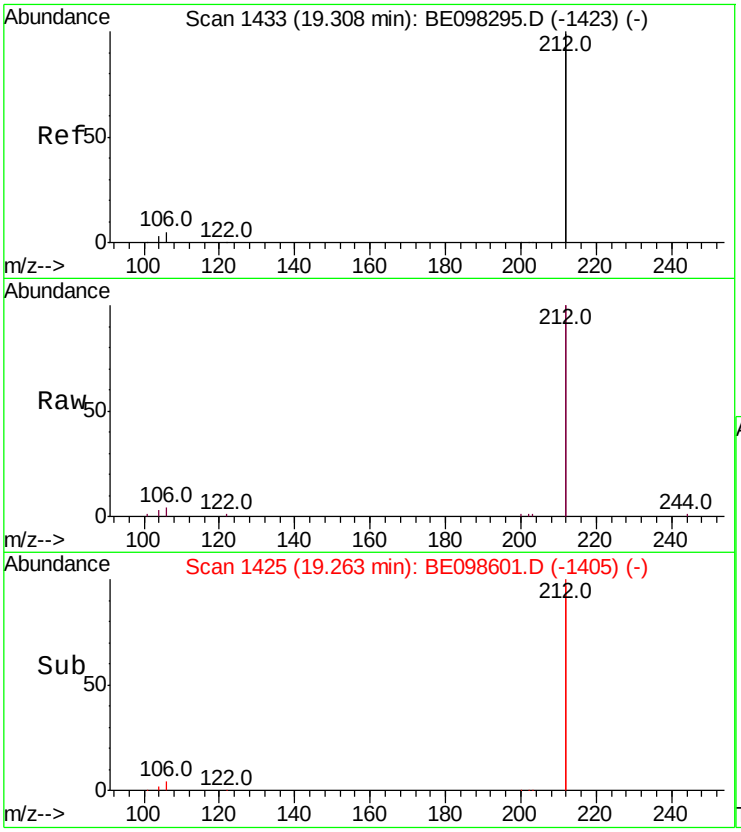


#24
Anthracene
Concen: 0.382 ng
RT: 17.36 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:178 Resp: 3841

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.1	12.3	18.5



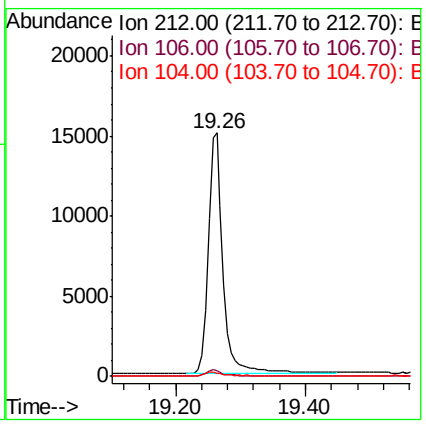


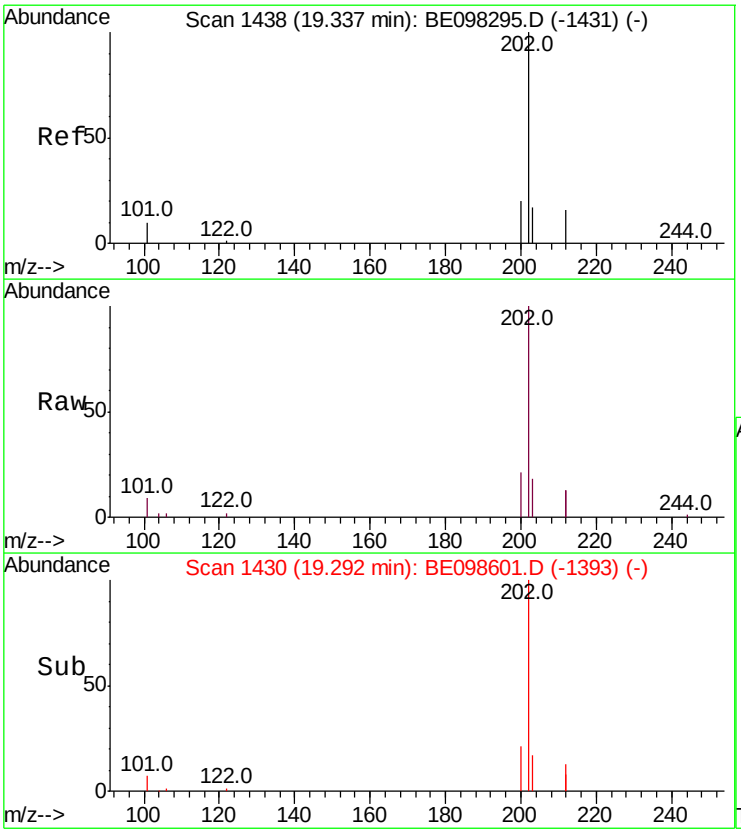
#25
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.26 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:212 Resp: 24068

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

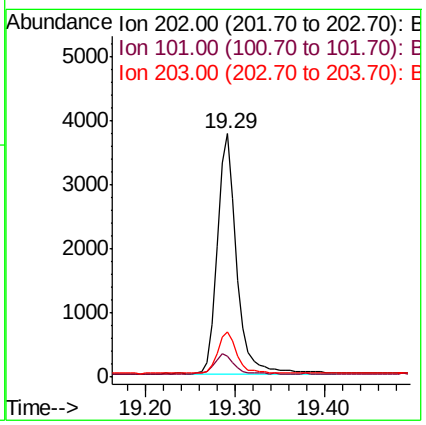


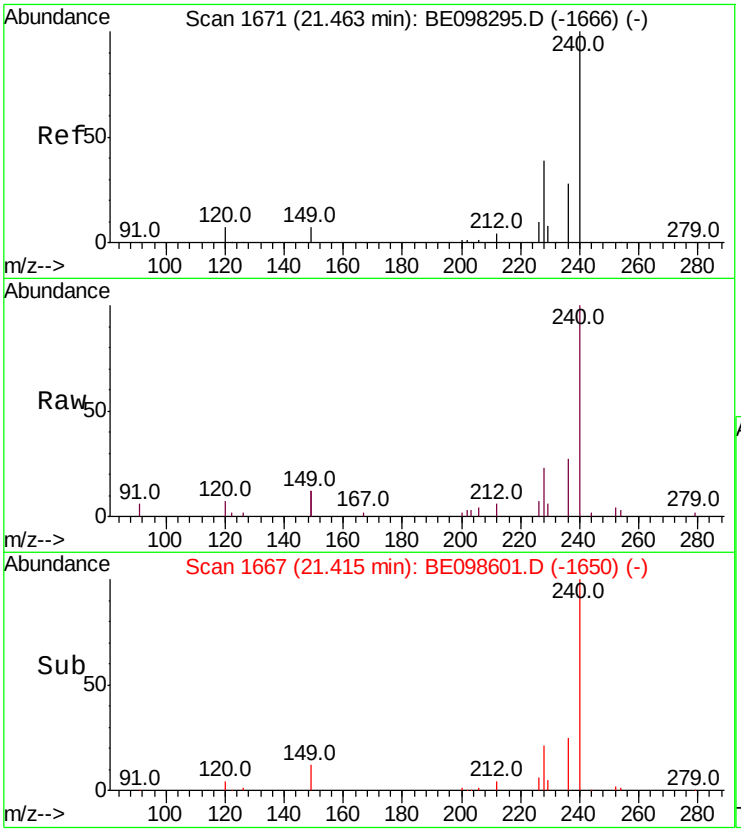


#26
Fluoranthene
Concen: 0.373 ng
RT: 19.29 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:202 Resp: 5575

Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.0	12.0
203	17.2	13.8	20.6



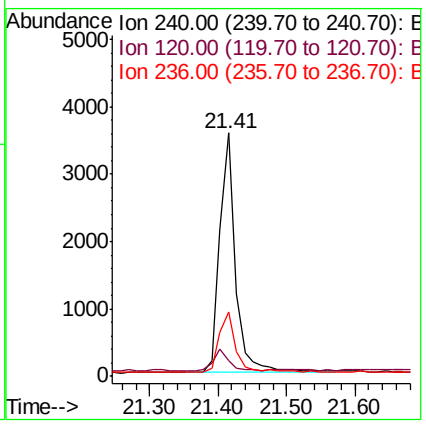


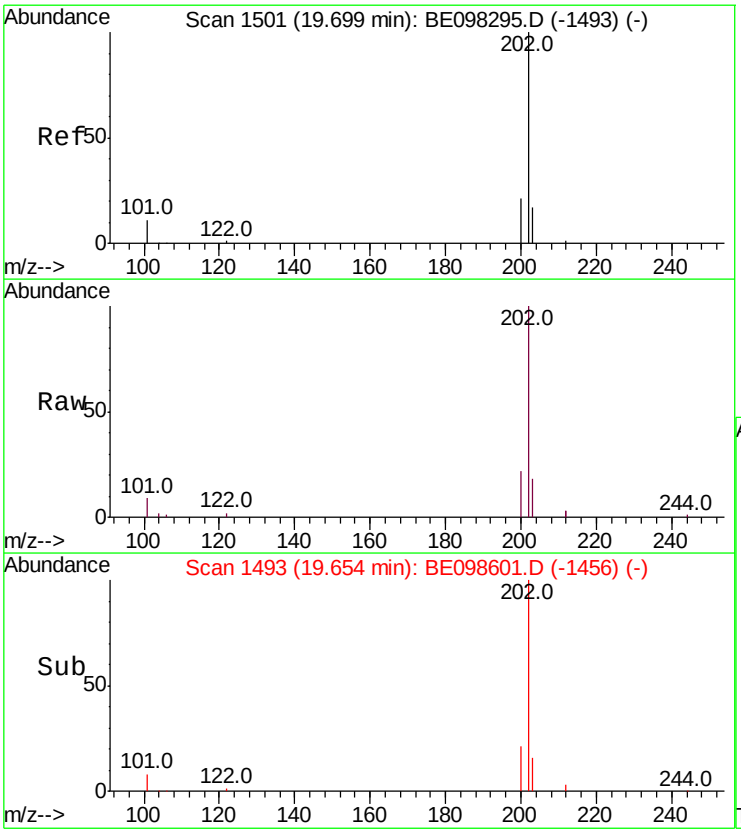
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:240 Resp: 5780

Ion	Ratio	Lower	Upper
240	100		
120	6.6	9.5	14.3#
236	26.7	22.7	34.1

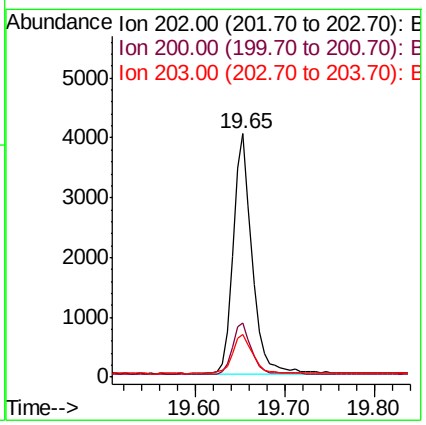


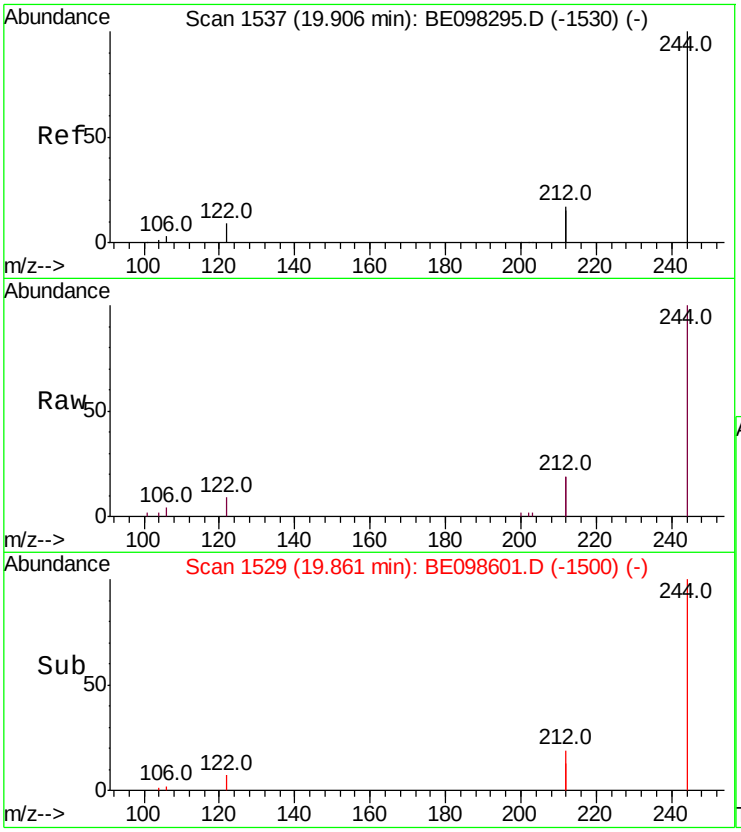


#28
Pyrene
Concen: 0.315 ng
RT: 19.65 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:202 Resp: 5707

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.8	14.1	21.1



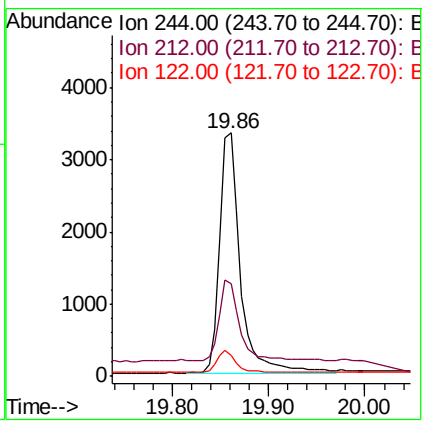


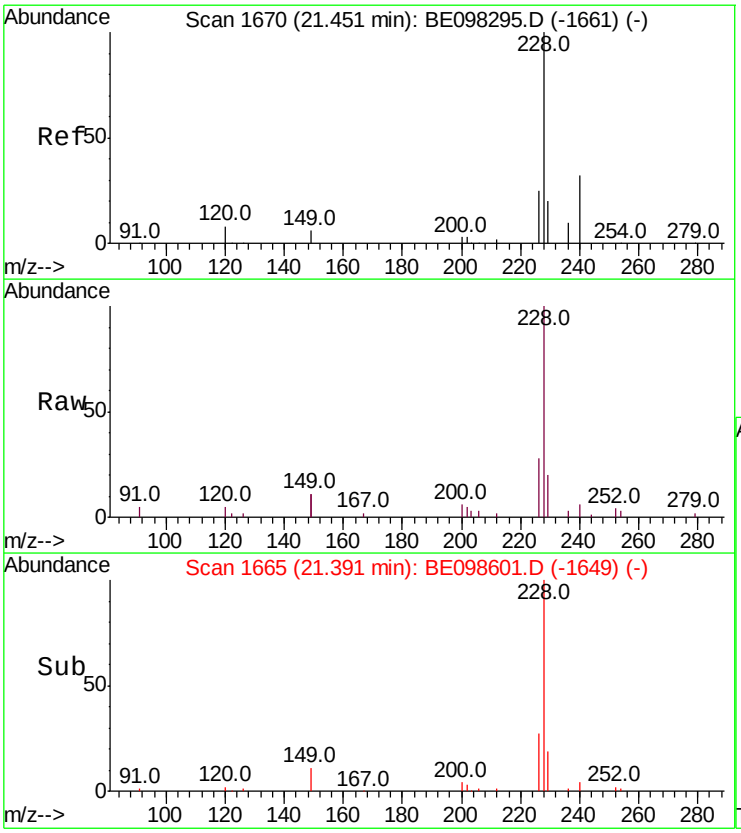
#29
Terphenyl-d14
Concen: 0.358 ng
RT: 19.86 min Scan# 1529
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:244 Resp: 5029

Ion	Ratio	Lower	Upper
244	100		
212	38.2	27.4	41.0
122	8.6	8.3	12.5

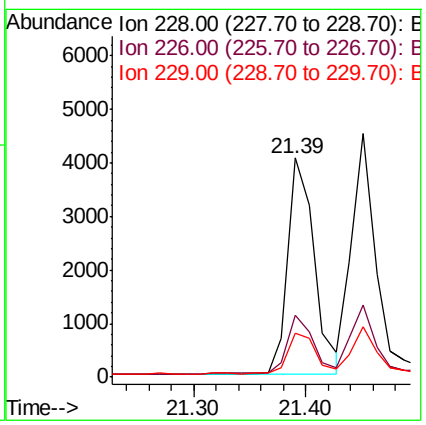


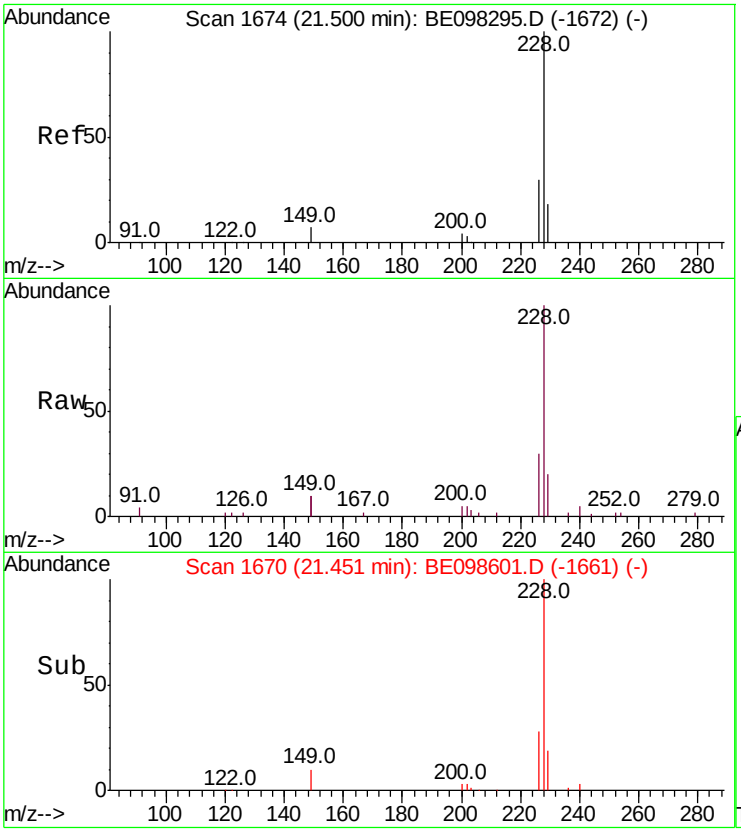


#30
Benzo(a)anthracene
Concen: 0.400 ng
RT: 21.39 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:228 Resp: 6585

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	20.1	16.3	24.5



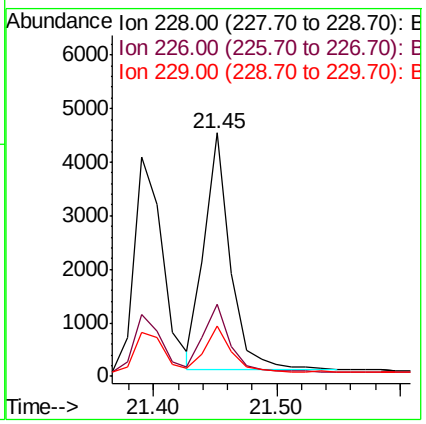


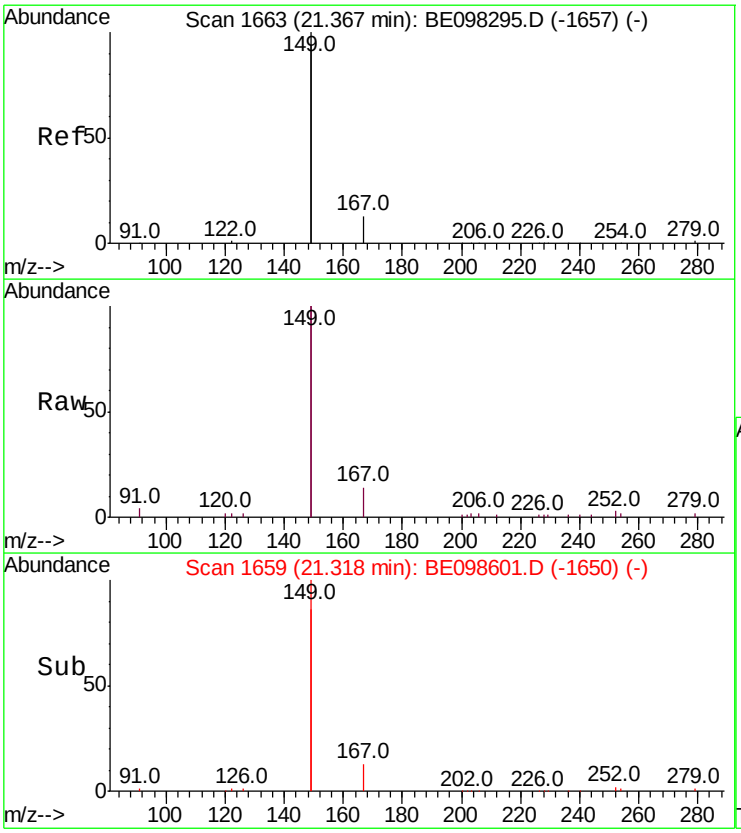
#31
Chrysene
Concen: 0.374 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:228 Resp: 6450

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	20.4	16.2	24.4

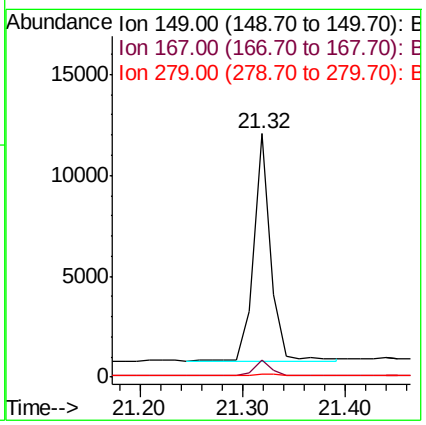


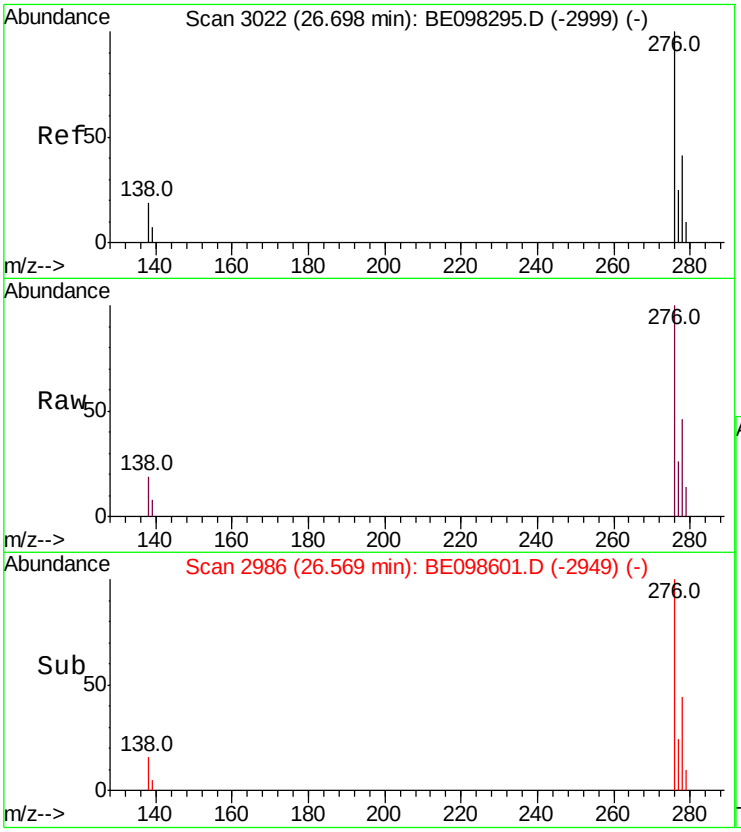


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.388 ng
RT: 21.32 min Scan# 1659
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:149 Resp: 12976

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4



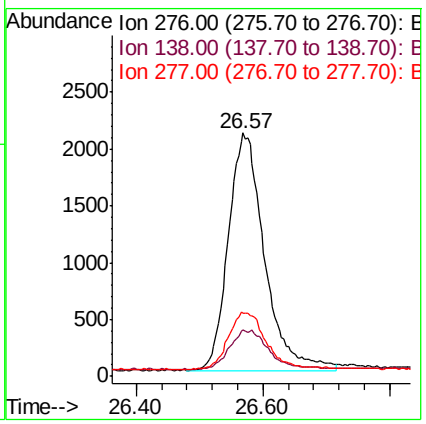


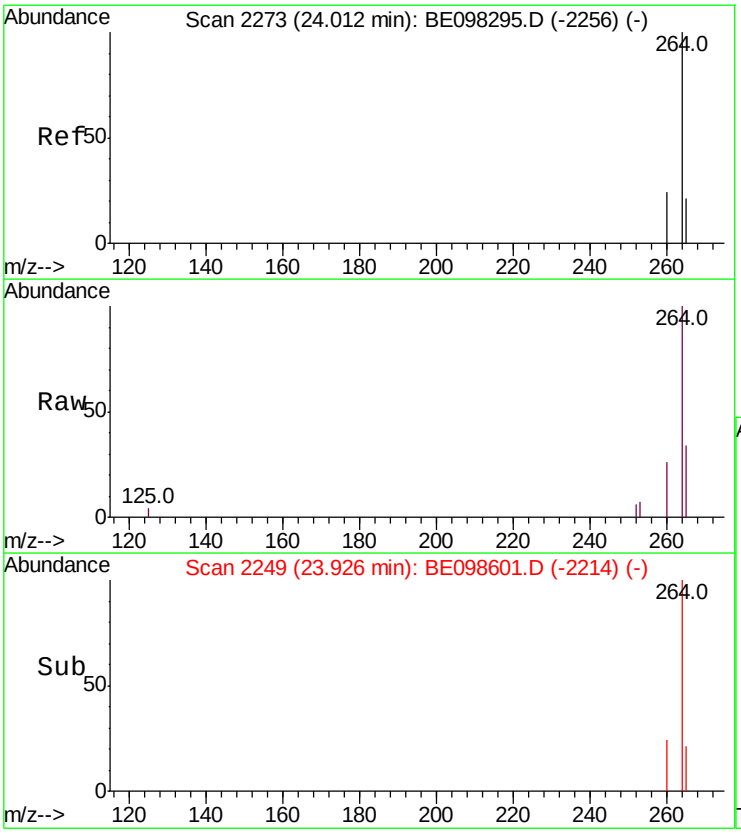
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.484 ng
RT: 26.57 min Scan# 2986
Delta R.T. -0.07 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:276 Resp: 8296

Ion	Ratio	Lower	Upper
276	100		
138	8.7	16.3	24.5#
277	24.9	20.2	30.4

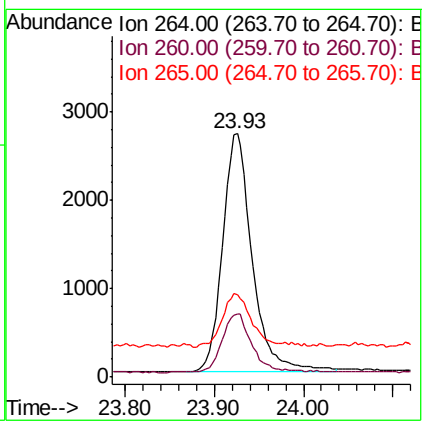


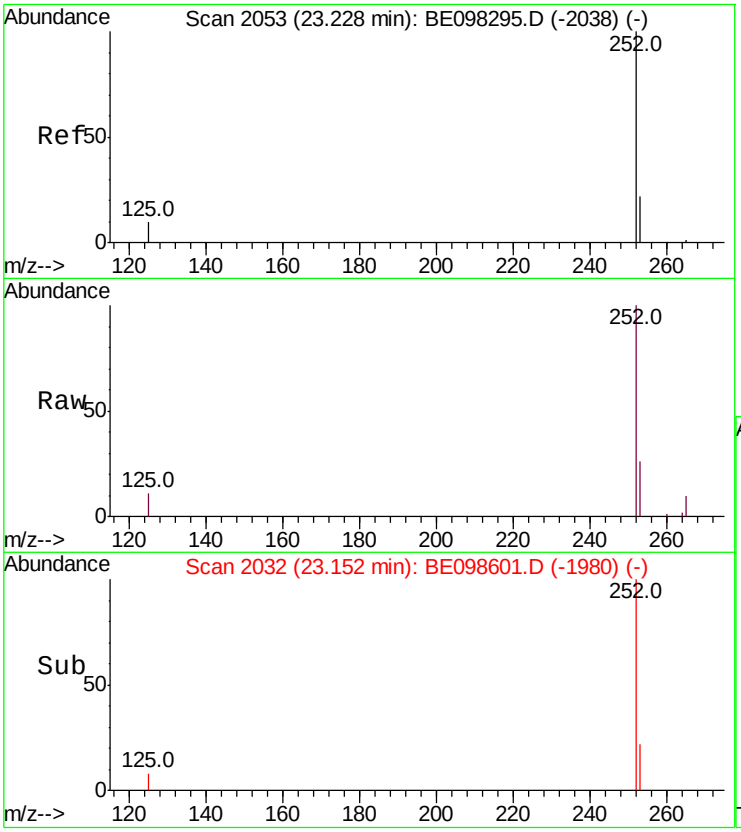


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2249
Delta R.T. -0.03 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:264 Resp: 6223

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.2
265	33.8	25.2	37.8



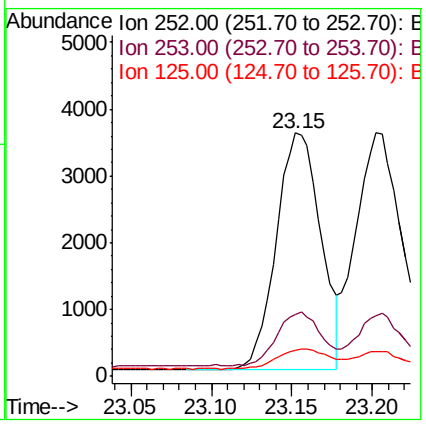


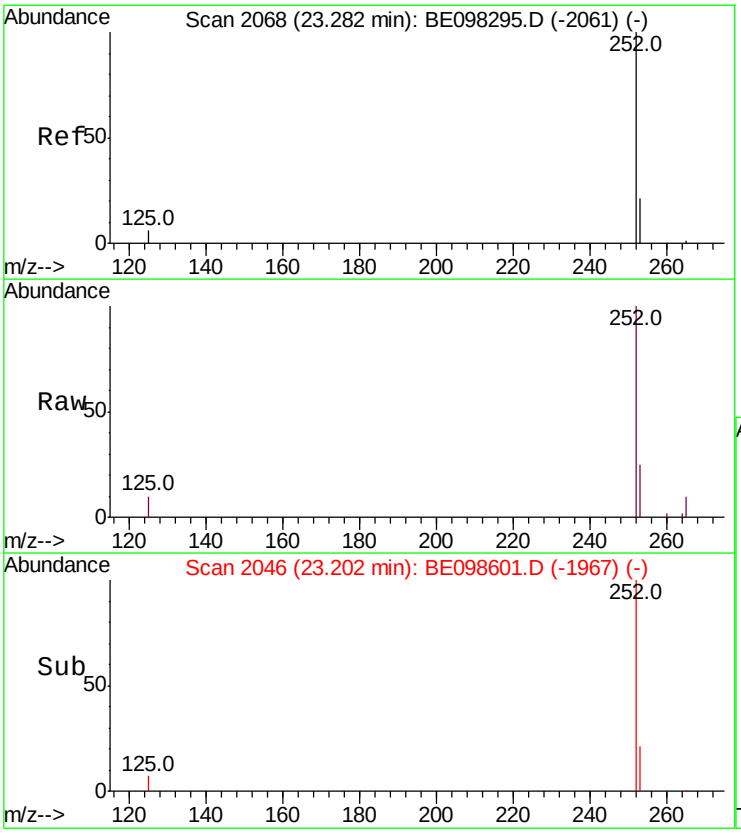
#35
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 23.15 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:252 Resp: 6845

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.0	30.0
125	10.7	9.6	14.4

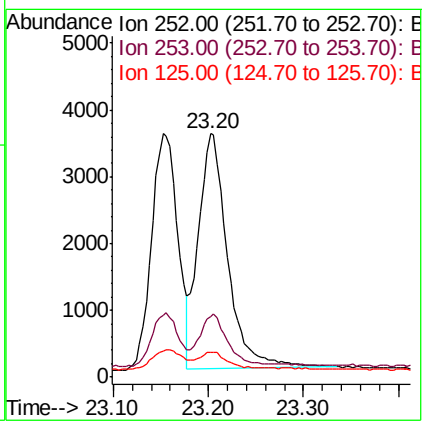


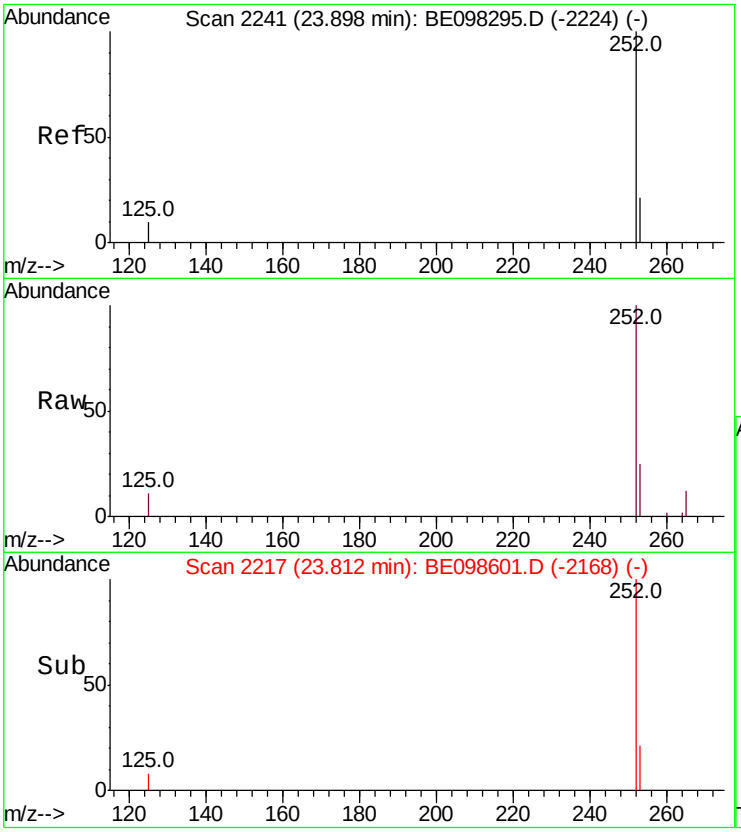


#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.20 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:252 Resp: 7609

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	10.0	9.1	13.7



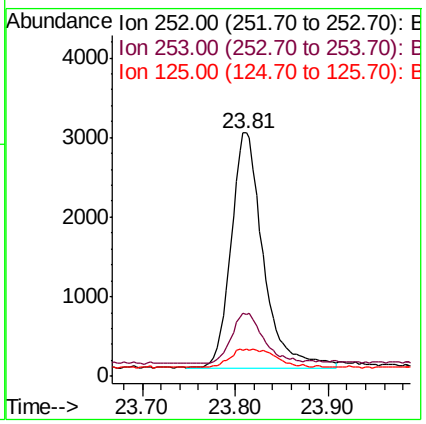


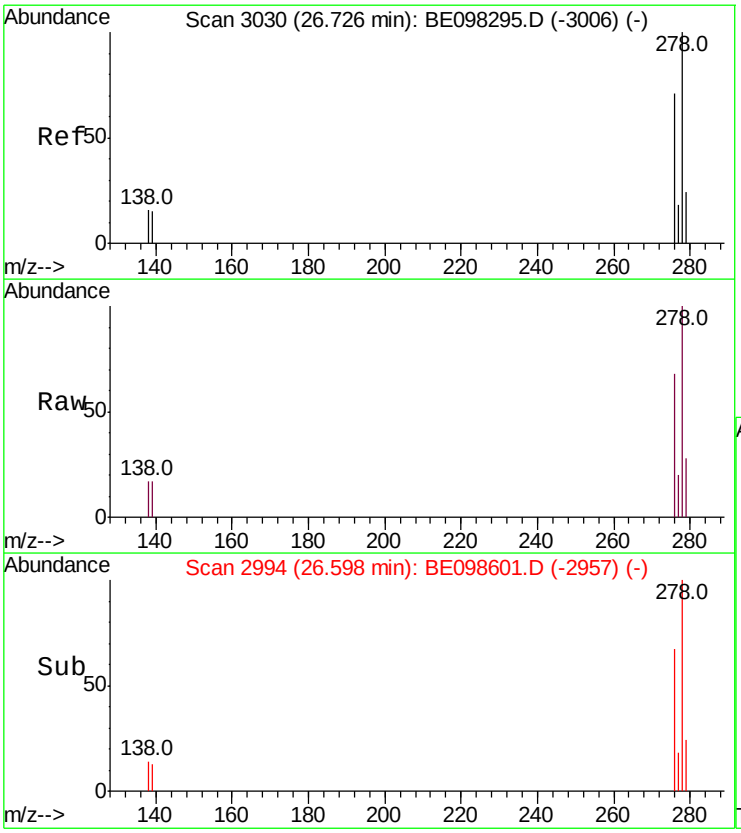
#37
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.81 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:252 Resp: 7089

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.6	30.8
125	11.2	10.5	15.7

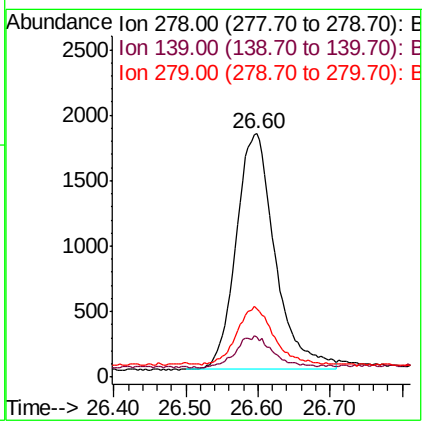


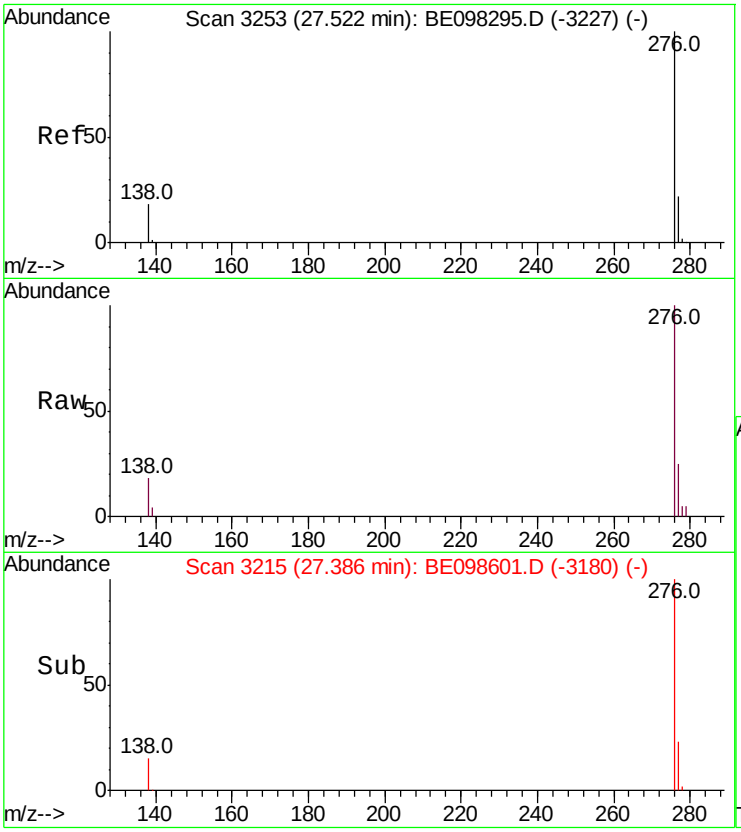


#38
Dibenzo(a,h)anthracene
Concen: 0.402 ng
RT: 26.60 min Scan# 2994
Delta R.T. -0.07 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:278 Resp: 6642

Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.5	21.7
279	28.1	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.430 ng
RT: 27.39 min Scan# 3215
Delta R.T. -0.08 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tgt Ion:276 Resp: 7162

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.8	31.2
138	17.6	15.8	23.6