Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
Data File : BE098038.D
Acq On : 24 Oct 2018 14:45
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE102418

Quant Time: Oct 24 15:16:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE102418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 24 13:49:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1160	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	5576	0.40	ng		0.01
13) Acenaphthene-d10	14.56	164	3833	0.40	ng		0.01
19) Phenanthrene-d10	17.29	188	9241	0.40	ng		0.00
27) Chrysene-d12	21.47	240	11064	0.40	ng		0.00
34) Perylene-d12	24.03	264	11181	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	1402	0.40	ng		0.00
5) Phenol-d6	7.07	99	2275	0.39	ng		0.00
8) Nitrobenzene-d5	9.04	82	2369	0.40	ng		0.01
11) 2-Methylnaphthalene-d10	12.29	152	3847	0.39	ng		0.01
14) 2,4,6-Tribromophenol	16.05	330	713	0.37	ng		0.01
15) 2-Fluorobiphenyl	13.17	172	5778	0.37	ng		0.01
25) Fluoranthene-d10	19.33	212	45436	0.38	ng		0.00
29) Terphenyl-d14	19.92	244	9658	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	690	0.386	ng		94
3) n-Nitrosodimethylamine	3.69	42	955	0.401	ng	#	76
6) bis(2-Chloroethyl)ether	7.31	93	1558	0.380	ng		90
9) Naphthalene	10.74	128	21617	0.390	ng		100
10) Hexachlorobutadiene	11.03	225	1481	0.394	ng		97
12) 2-Methylnaphthalene	12.37	142	3924	0.392	ng		97
16) Acenaphthylene	14.27	152	6687	0.385	ng		100
17) Acenaphthene	14.61	154	4126	0.393	ng		98
18) Fluorene	15.59	166	5375	0.380	ng		97
20) 4-Bromophenyl-phenylether	16.49	248	2214	0.397	ng		95
21) Hexachlorobenzene	16.60	284	2298	0.395	ng		99
22) Pentachlorophenol	16.97	266	208	0.429	ng	#	78
23) Phenanthrene	17.34	178	8850	0.390	ng		99
24) Anthracene	17.43	178	8579	0.385	ng		100
26) Fluoranthene	19.36	202	10839	0.383	ng		96
28) Pyrene	19.72	202	11510	0.377	ng		100
30) Benzo(a)anthracene	21.46	228	12464	0.381	ng		97
31) Chrysene	21.51	228	12059	0.380	ng		97
32) Bis(2-ethylhexyl)phthalate	21.39	149	29355	0.378	ng		100
33) Indeno(1,2,3-cd)pyrene	26.73	276	13173	0.380	ng	#	95
35) Benzo(b)fluoranthene	23.25	252	11678	0.376	ng	#	92
36) Benzo(k)fluoranthene	23.30	252	11843	0.367	ng	#	93
37) Benzo(a)pyrene	23.92	252	11483	0.376	ng	#	93
38) Dibenzo(a,h)anthracene	26.76	278	10999	0.370	ng	#	93
39) Benzo(g,h,i)perylene	27.55	276	11078	0.376	ng	#	92

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

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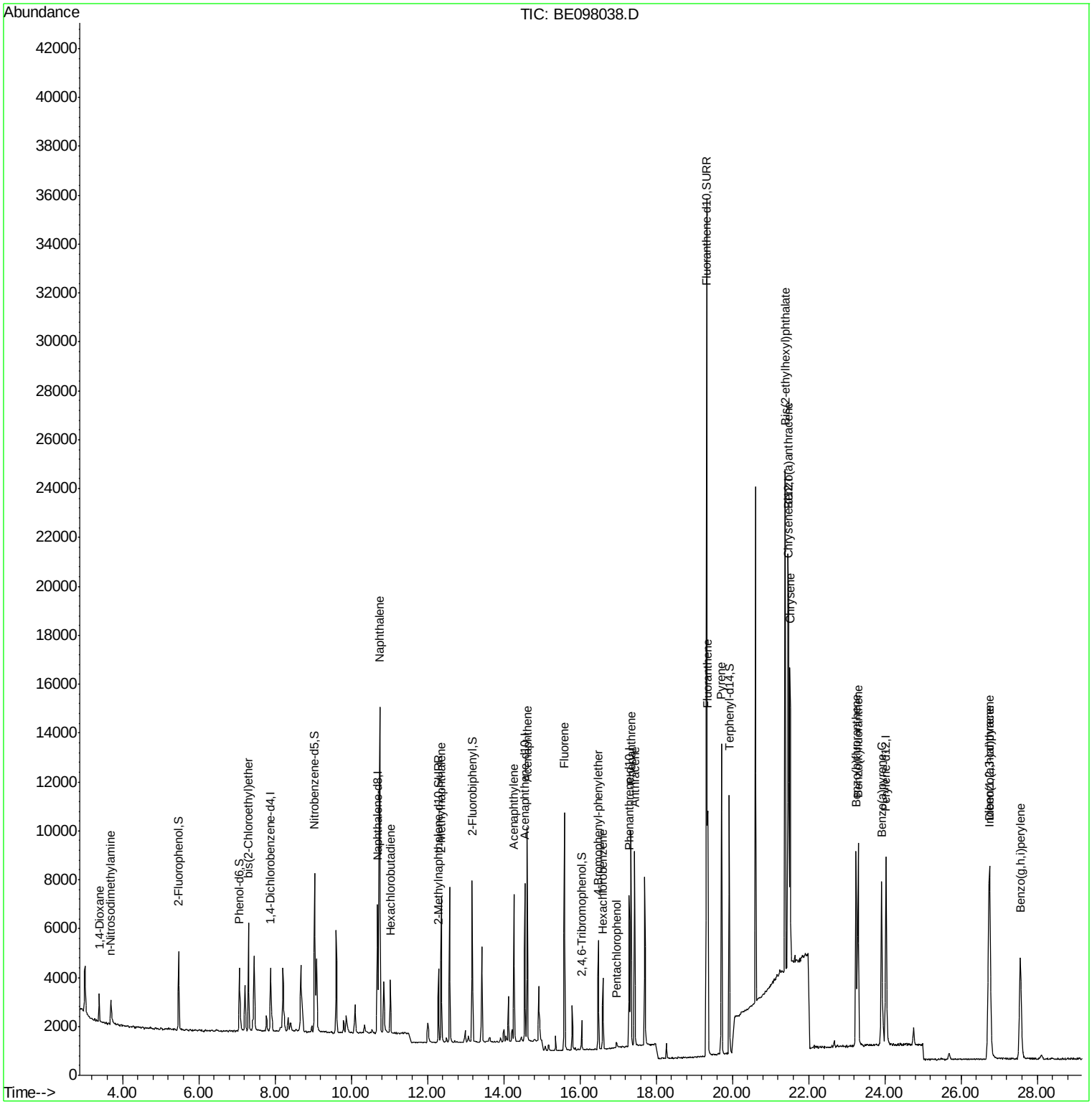
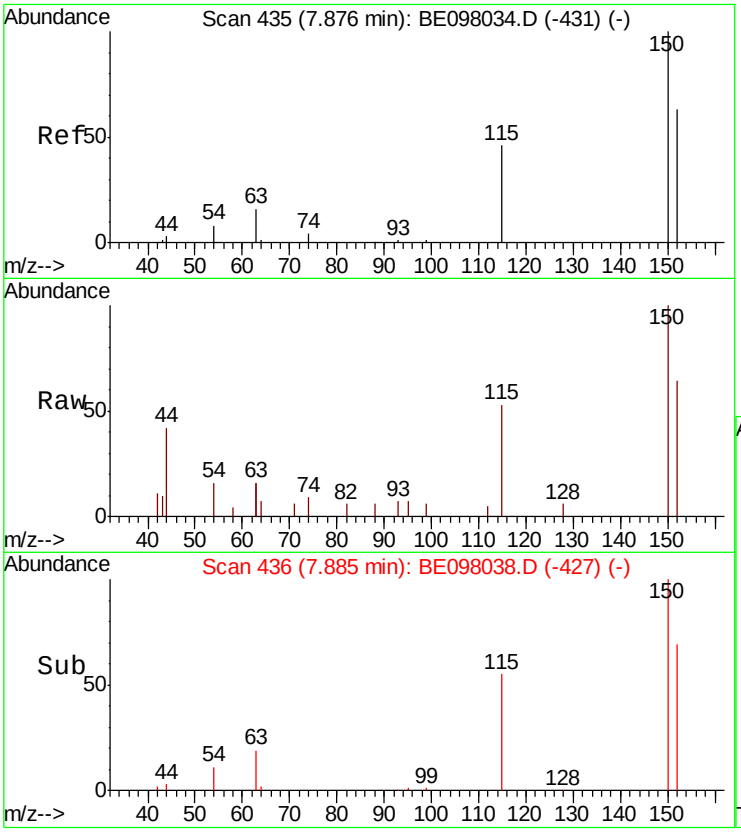
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Quant Time: Oct 24 15:16:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE102418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 24 13:49:35 2018
Response via : Initial Calibration



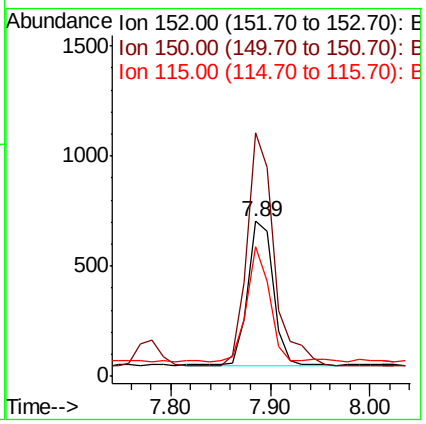


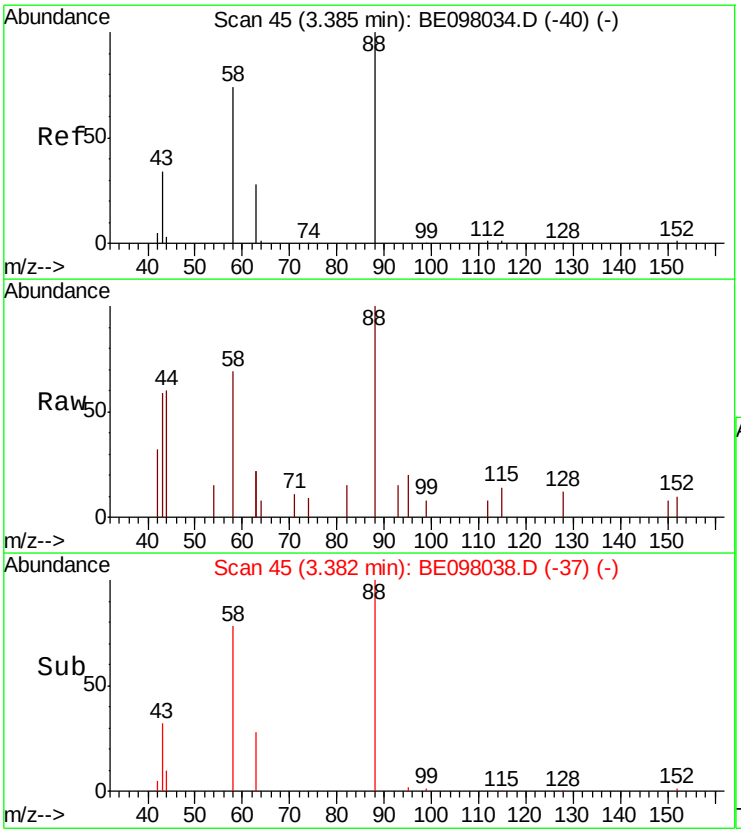
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:152 Resp: 1160

Ion	Ratio	Lower	Upper
152	100		
150	157.2	118.2	177.4
115	83.5	50.9	76.3#

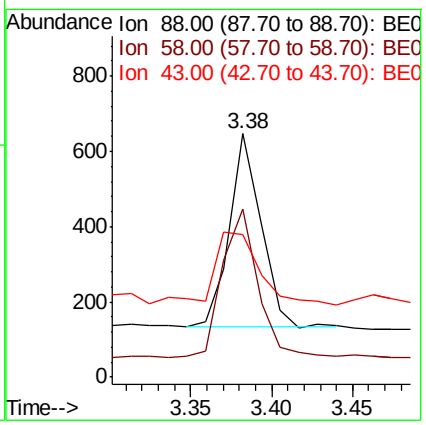


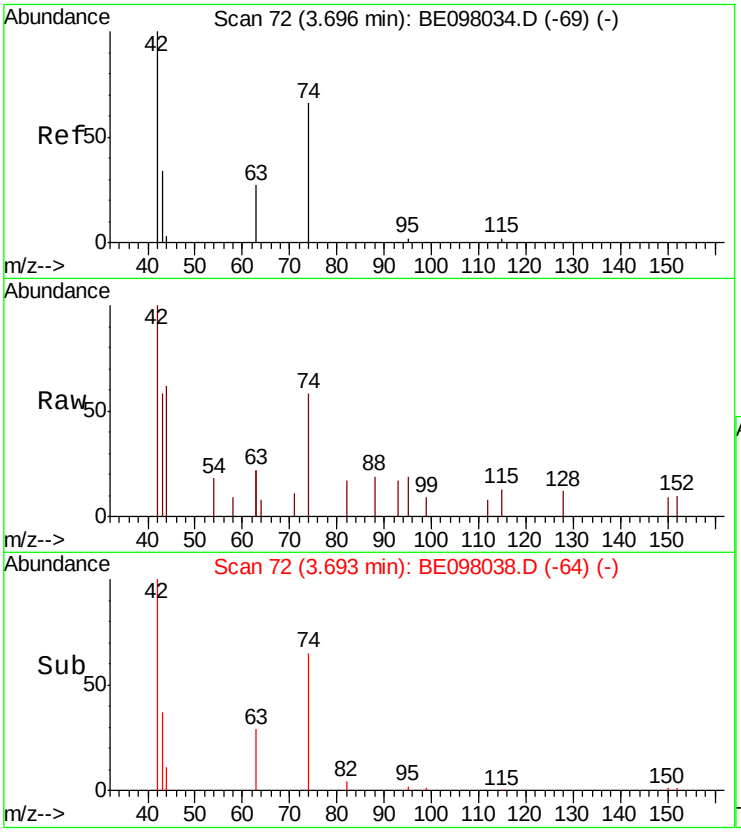


#2
1,4-Dioxane
Concen: 0.386 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion: 88 Resp: 690

Ion	Ratio	Lower	Upper
88	100		
58	87.2	73.2	109.8
43	51.2	36.9	55.3



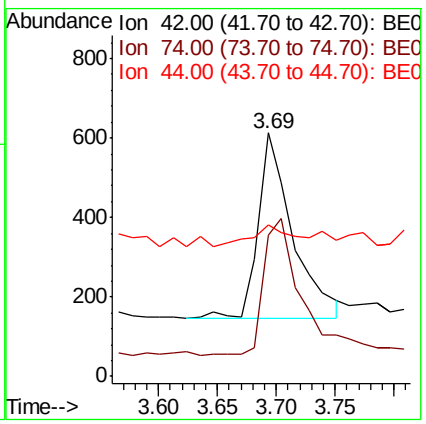


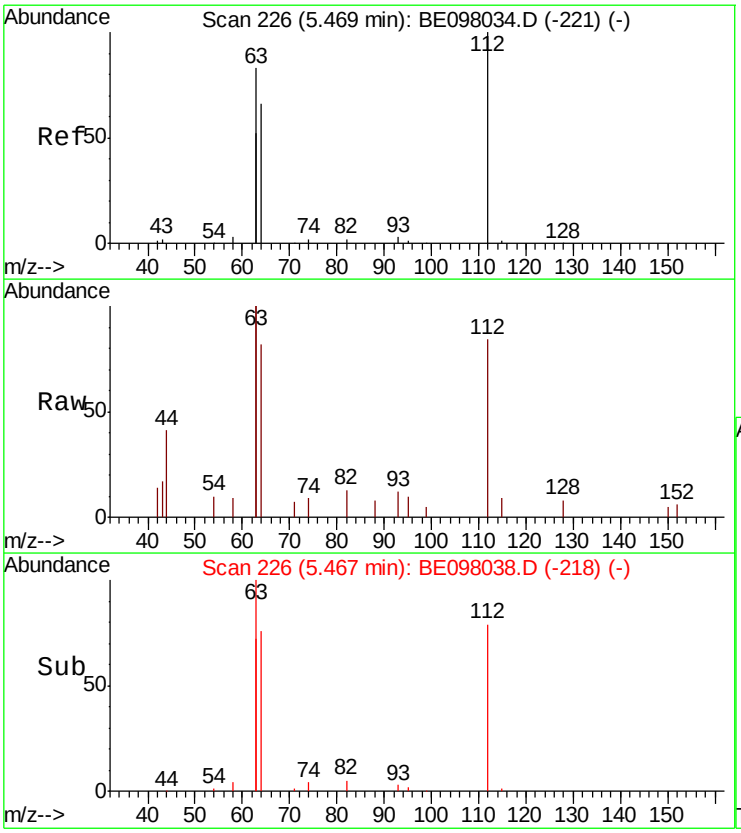
#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion: 42 Resp: 955

Ion	Ratio	Lower	Upper
42	100		
74	72.0	77.6	116.4#
44	13.4	7.6	11.4#

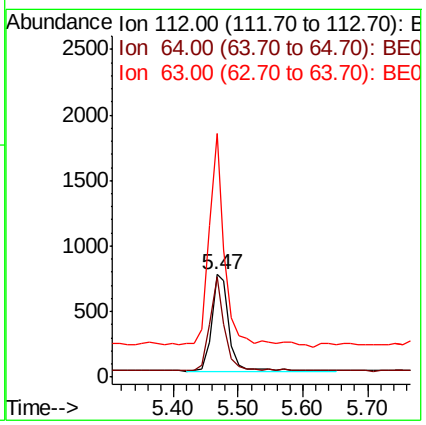


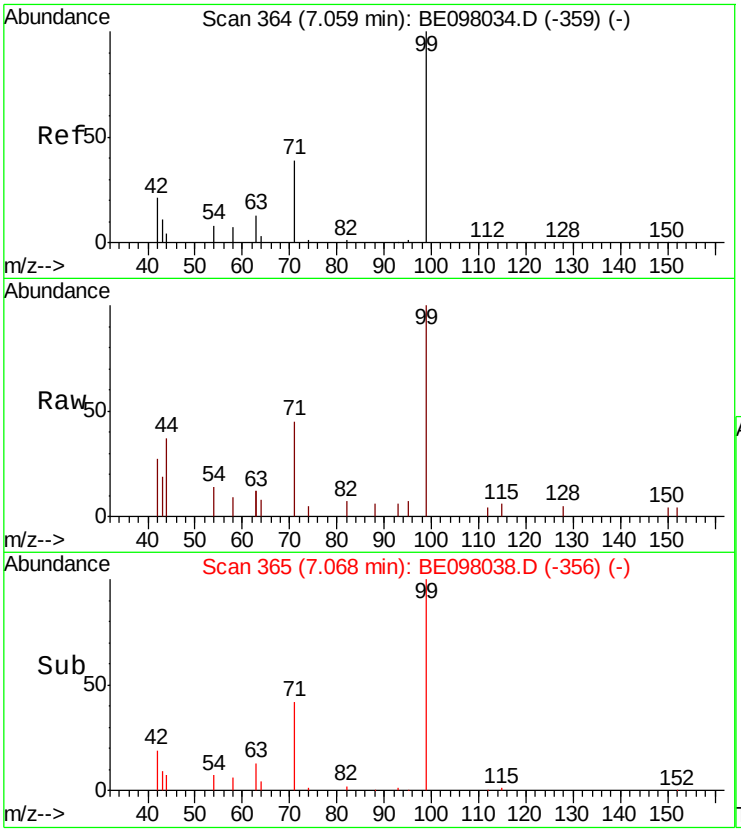


#4
2-Fluorophenol
Concen: 0.399 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:112 Resp: 1402

Ion	Ratio	Lower	Upper
112	100		
64	78.8	58.9	88.3
63	199.4	120.3	180.5#



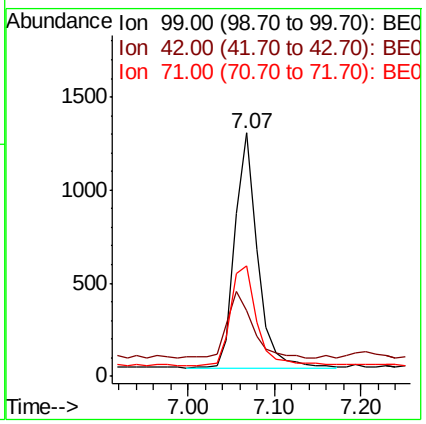


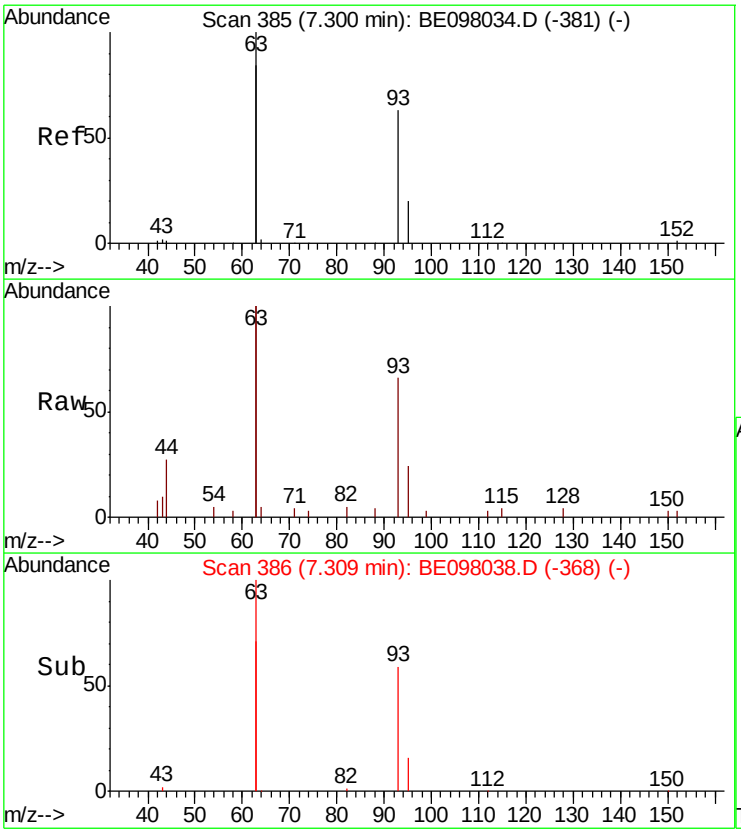
#5
Phenol-d6
Concen: 0.389 ng
RT: 7.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion: 99 Resp: 2275

Ion	Ratio	Lower	Upper
99	100		
42	32.6	19.9	29.9#
71	49.9	27.8	41.8#

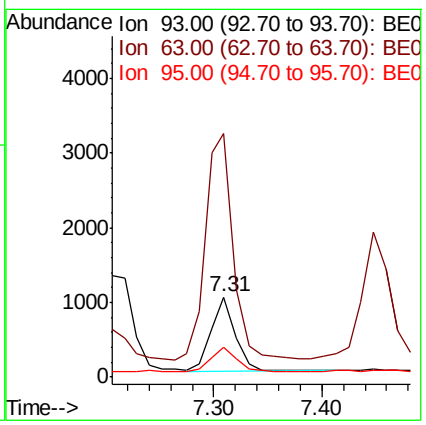


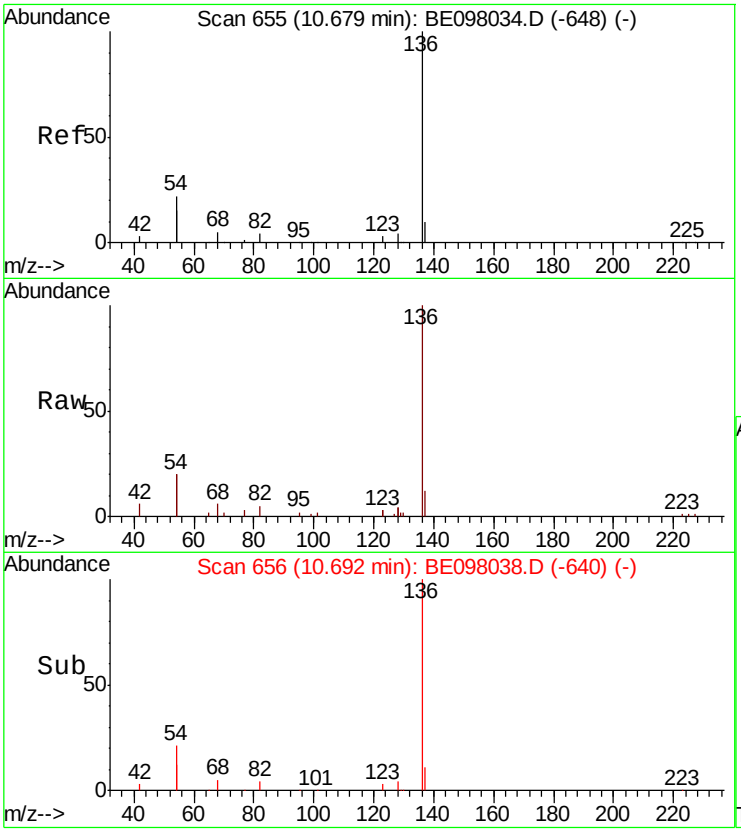


#6
bis(2-Chloroethyl)ether
Concen: 0.380 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion: 93 Resp: 1558

Ion	Ratio	Lower	Upper
93	100		
63	347.2	259.0	388.4
95	33.9	27.8	41.8



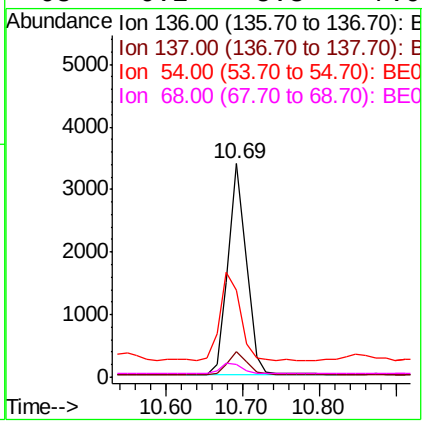


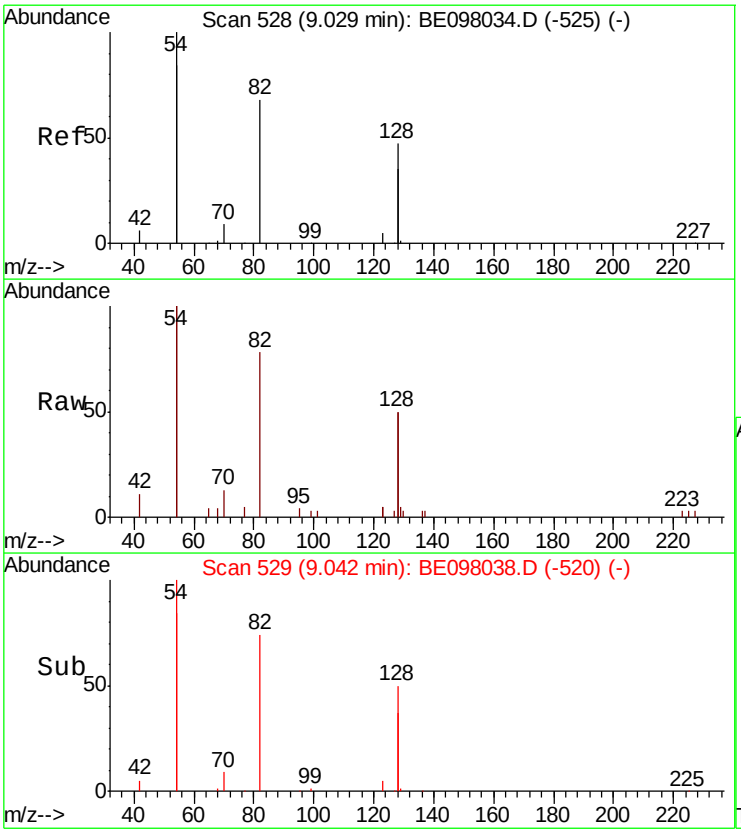
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:136 Resp: 5576

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	40.7	27.7	41.5
68	6.2	5.3	7.9

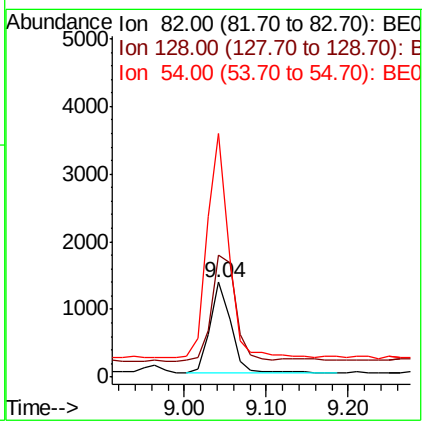


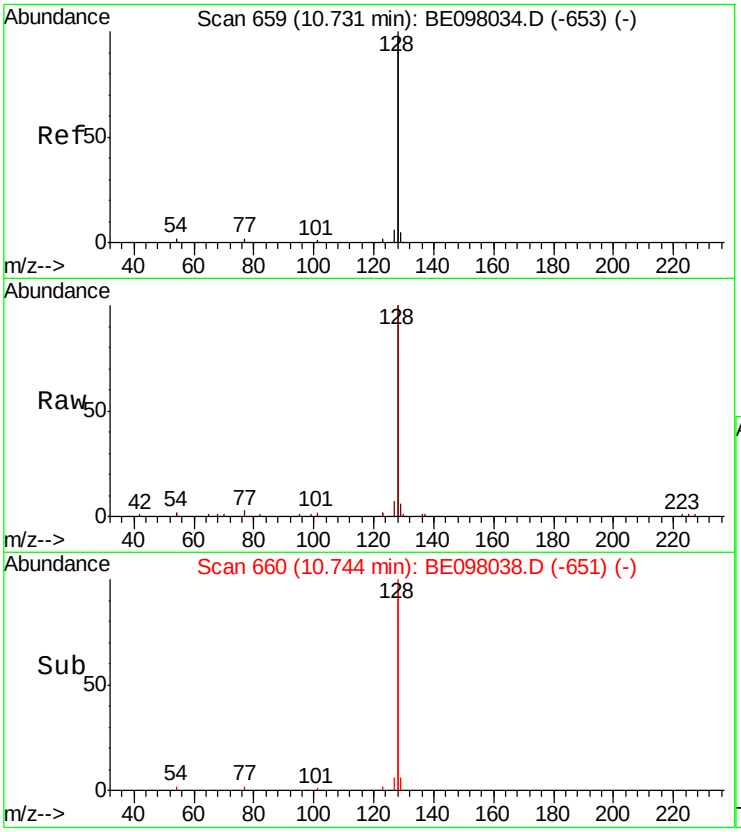


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion: 82 Resp: 2369

Ion	Ratio	Lower	Upper
82	100		
128	128.5	129.9	194.9#
54	256.8	174.0	261.0



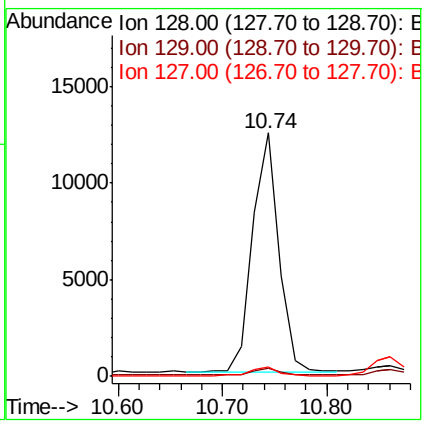


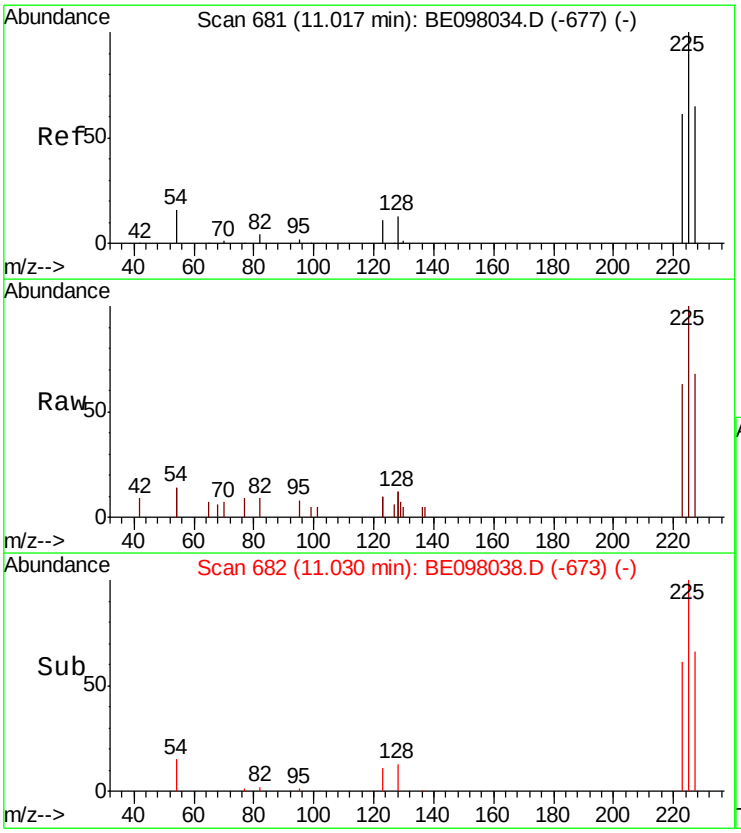
#9
Naphthalene
Concen: 0.390 ng
RT: 10.74 min Scan# 660
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:128 Resp: 21617

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	3.6	2.8	4.2

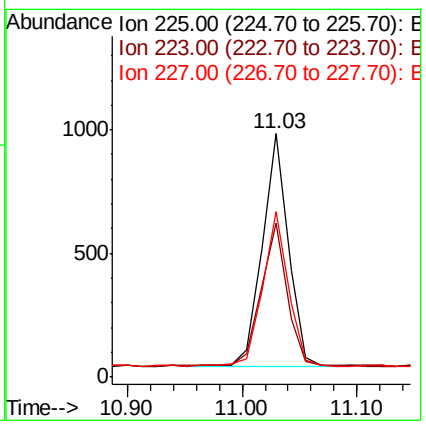


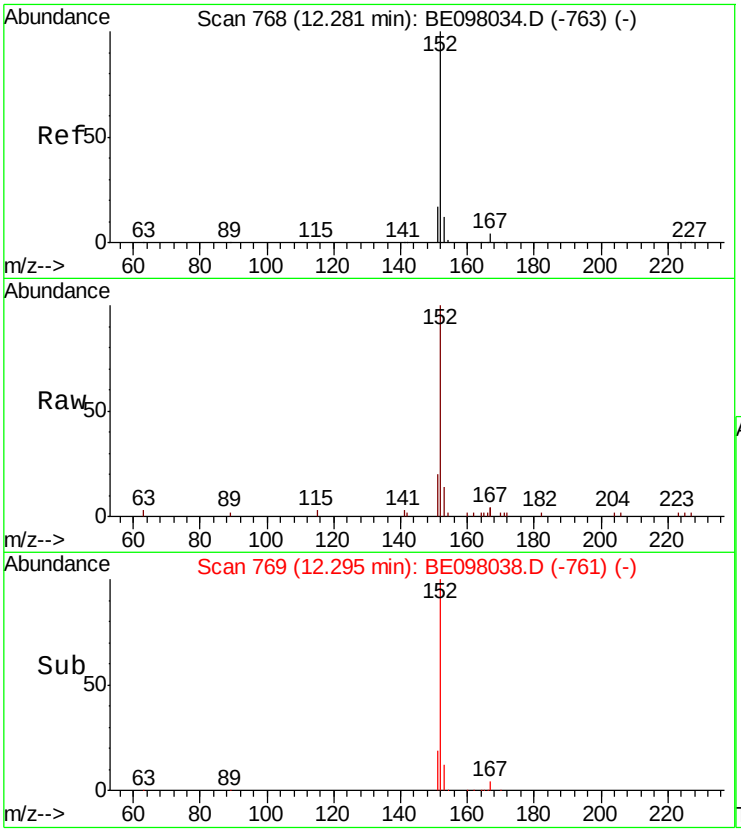


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 11.03 min Scan# 682
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:225 Resp: 1481

Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.8	77.8
227	65.6	53.0	79.6



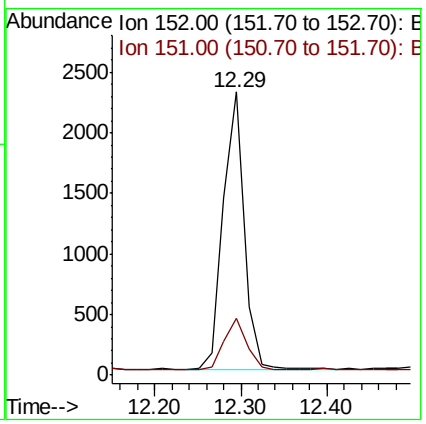


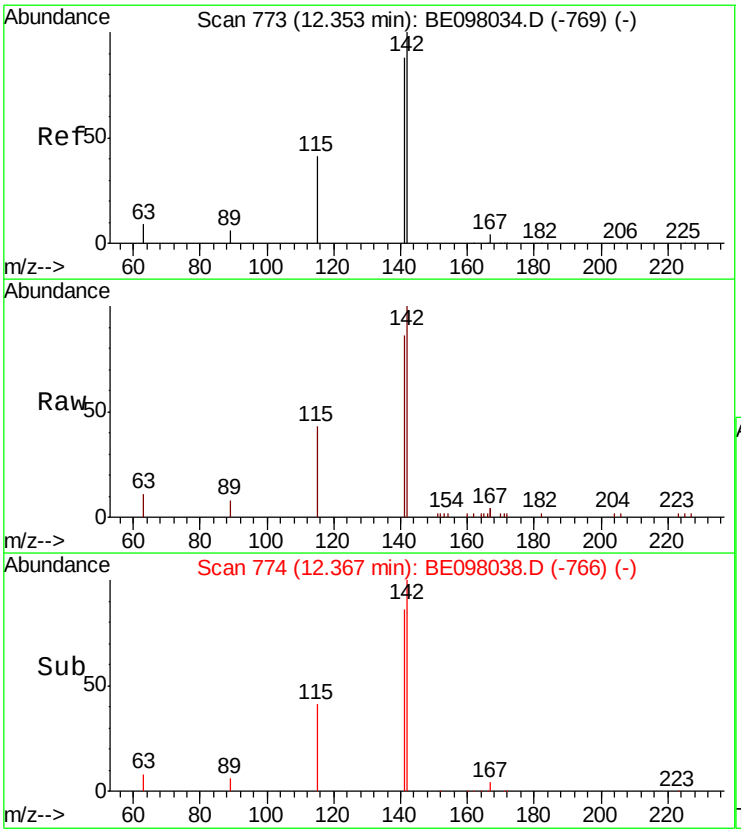
#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.29 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:152 Resp: 3847

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4

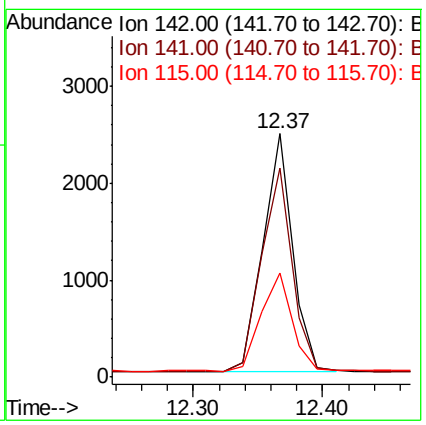


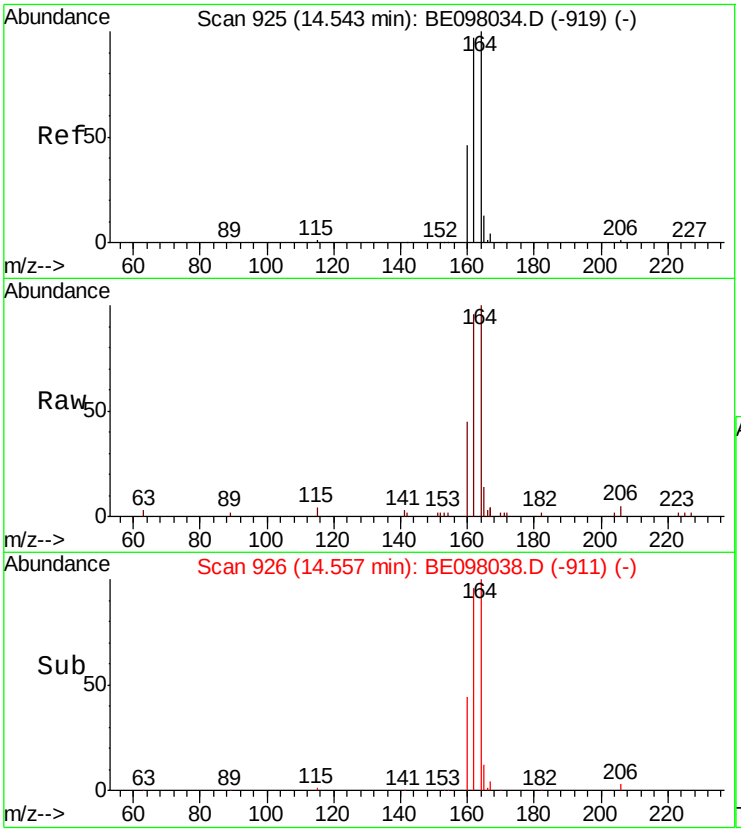


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.37 min Scan# 774
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:142 Resp: 3924

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.8	104.6
115	43.0	30.5	45.7



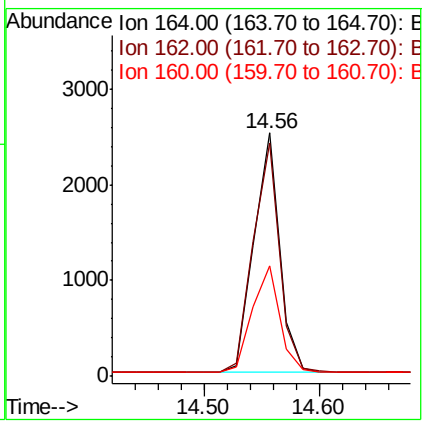


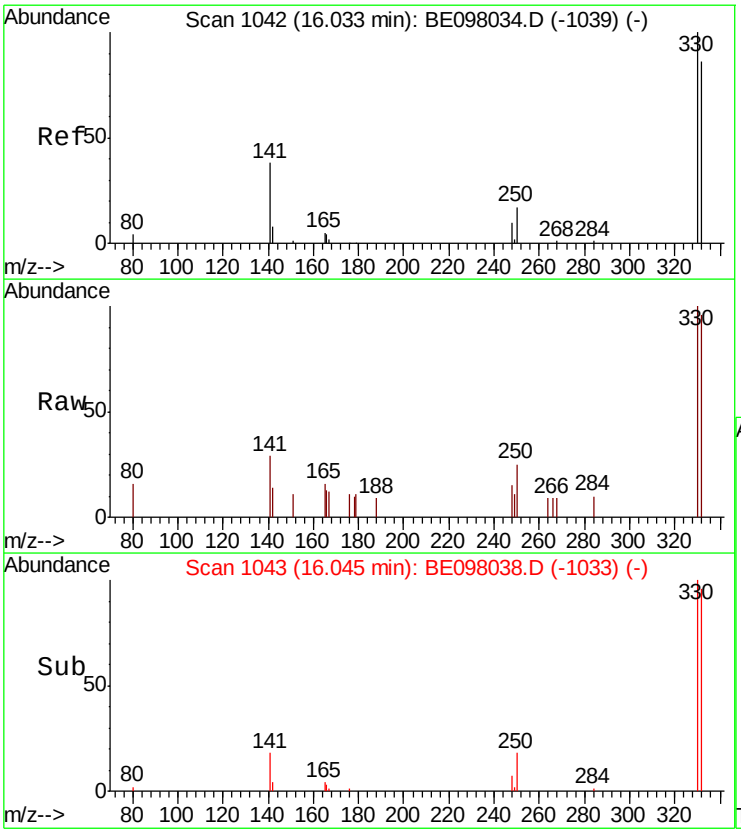
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:164 Resp: 3833

Ion	Ratio	Lower	Upper
164	100		
162	96.1	77.4	116.2
160	45.2	36.5	54.7

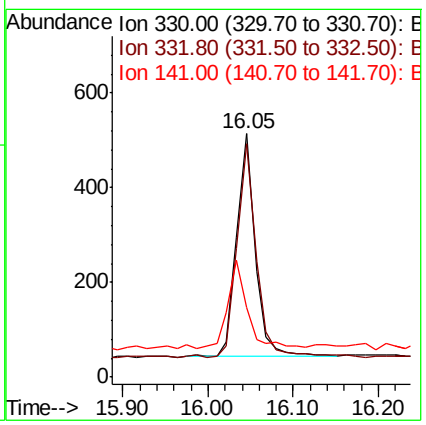


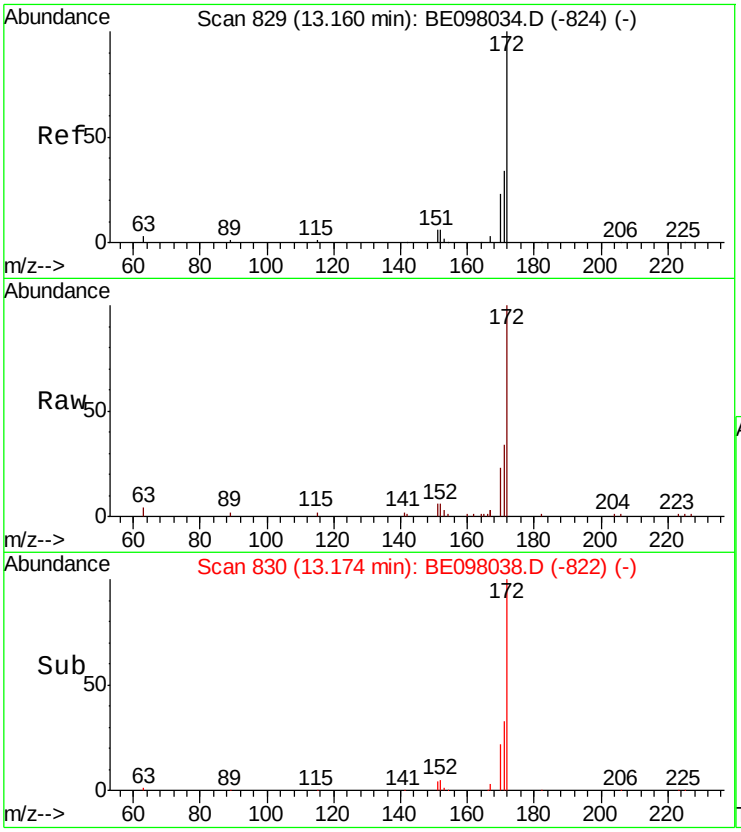


#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 16.05 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:330 Resp: 713

Ion	Ratio	Lower	Upper
330	100		
332	101.5	76.5	114.7
141	41.0	31.8	47.6



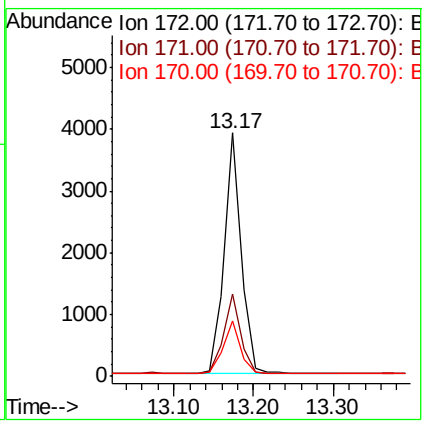


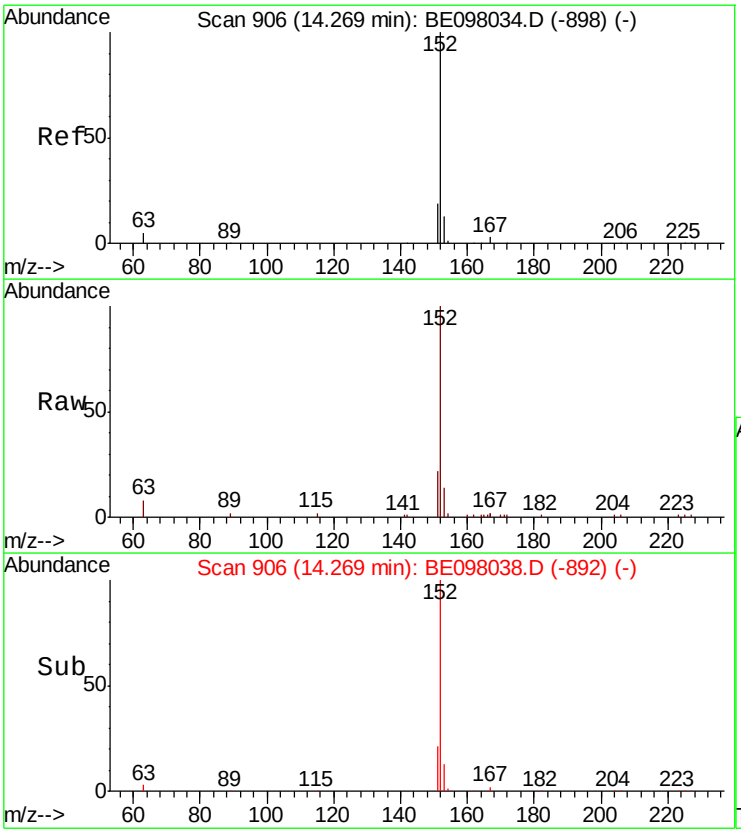
#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.17 min Scan# 830
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:172 Resp: 5778

Ion	Ratio	Lower	Upper
172	100		
171	34.0	26.0	39.0
170	22.7	18.0	27.0

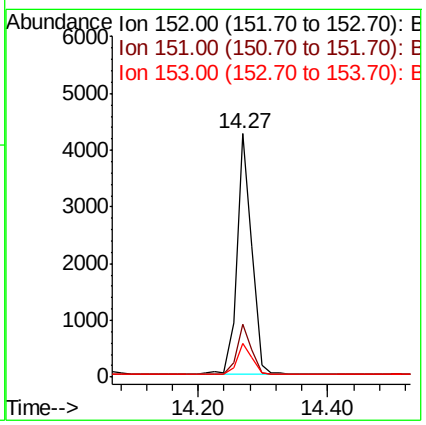


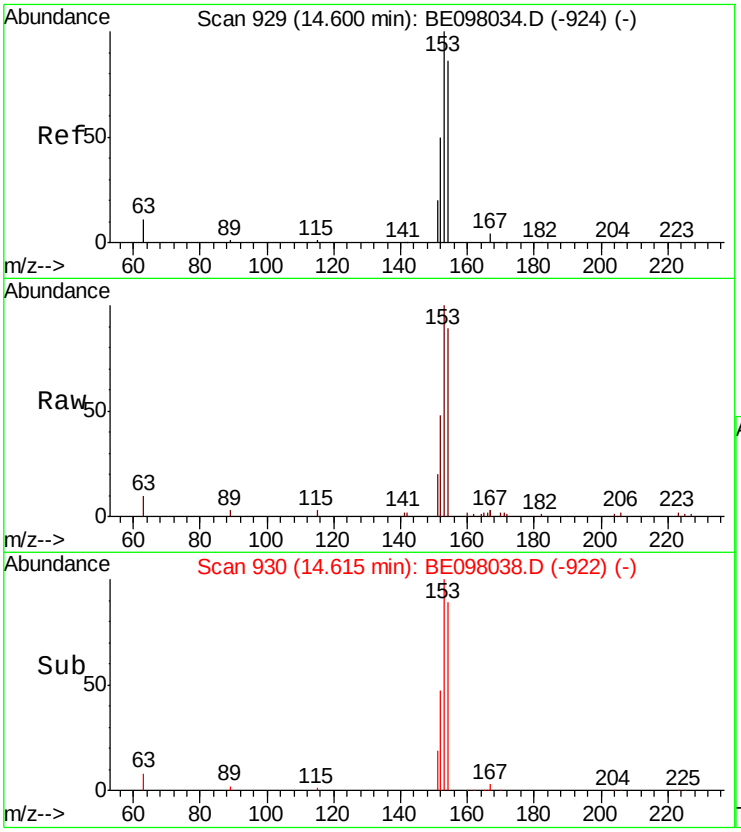


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:152 Resp: 6687

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	14.0	10.9	16.3



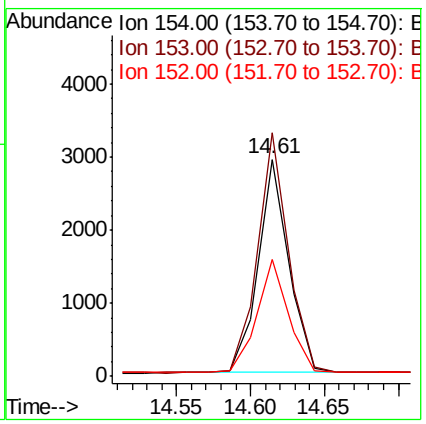


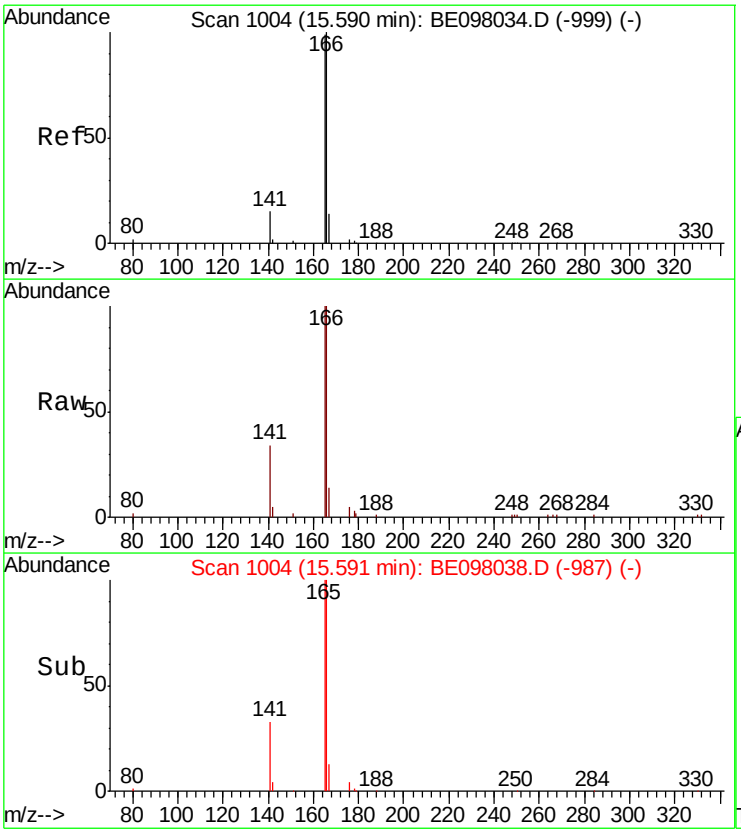
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.61 min Scan# 930
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:154 Resp: 4126

Ion	Ratio	Lower	Upper
154	100		
153	114.2	92.6	139.0
152	55.1	45.5	68.3

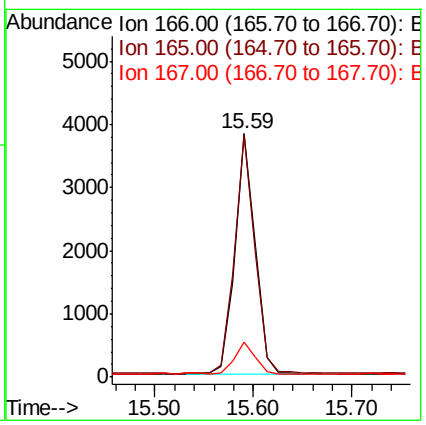


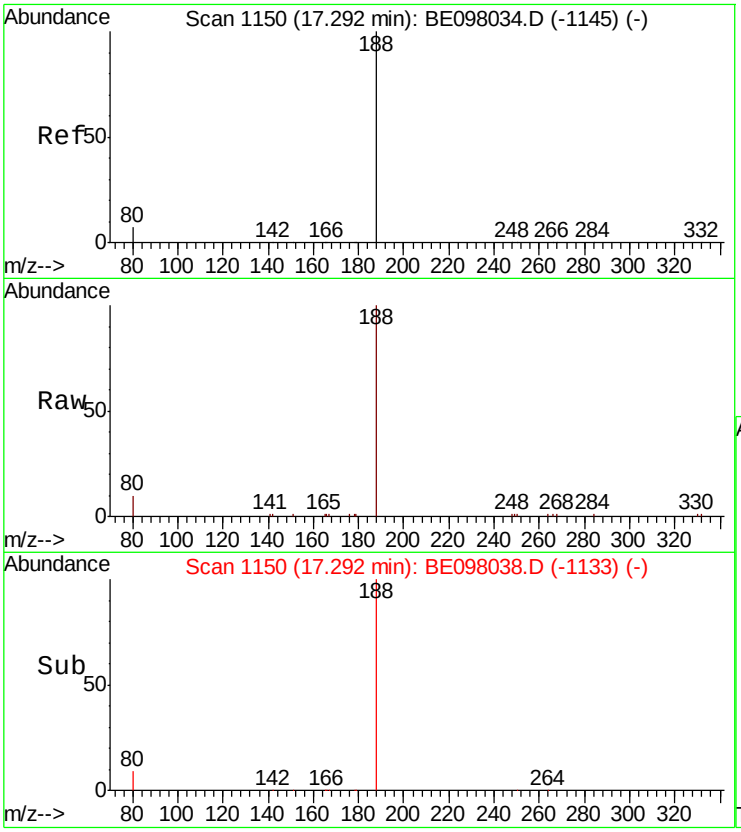


#18
Fluorene
Concen: 0.380 ng
RT: 15.59 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:166 Resp: 5375

Ion	Ratio	Lower	Upper
166	100		
165	100.8	78.2	117.4
167	13.9	11.0	16.6



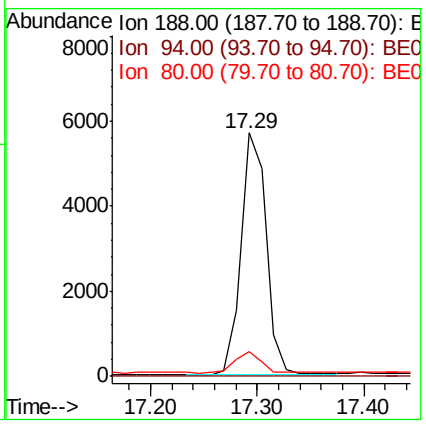


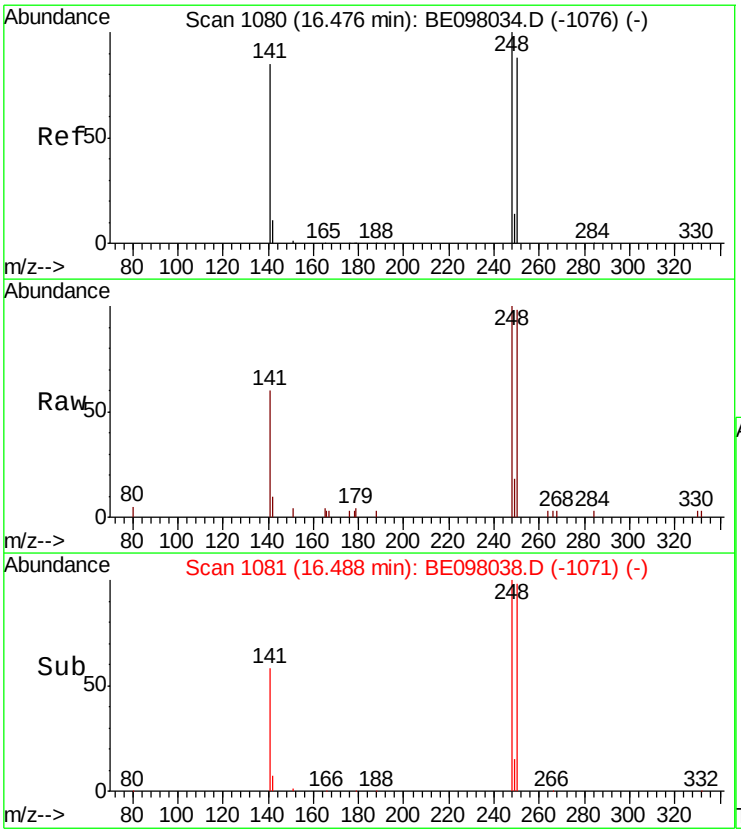
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:188 Resp: 9241

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	6.3	9.5#

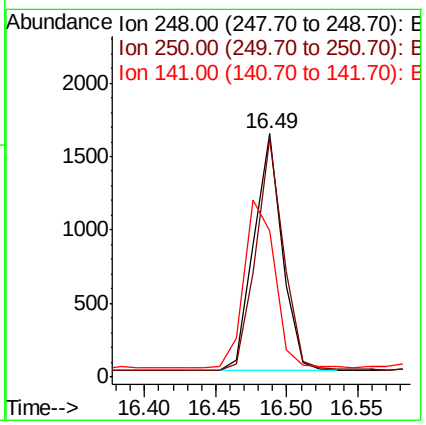


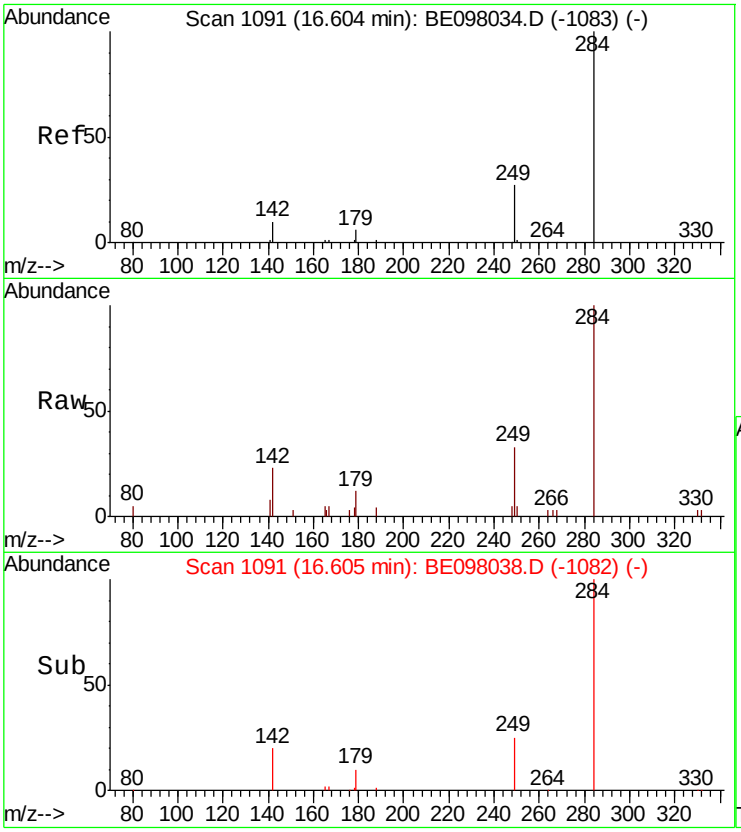


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.49 min Scan# 1081
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:248 Resp: 2214

Ion	Ratio	Lower	Upper
248	100		
250	98.2	75.1	112.7
141	60.1	51.8	77.8



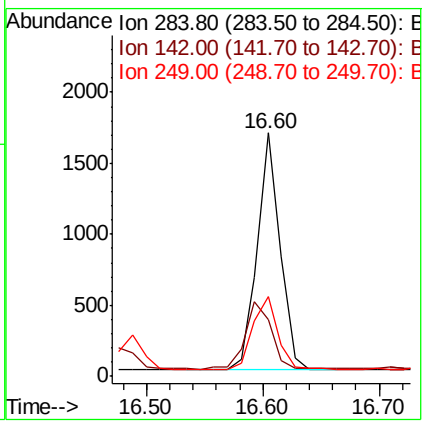


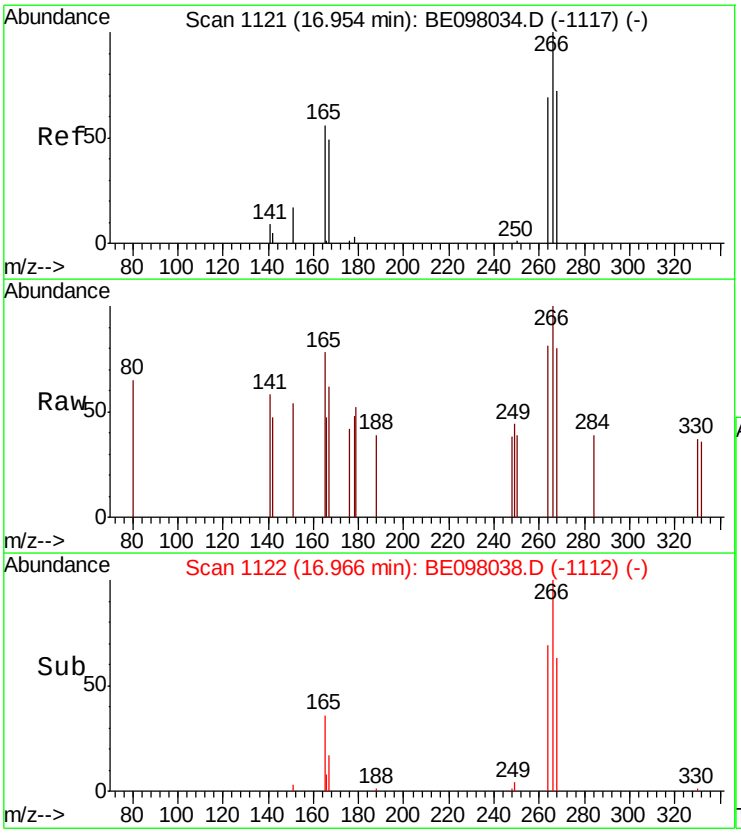
#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.60 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:284 Resp: 2298

Ion	Ratio	Lower	Upper
284	100		
142	32.6	25.9	38.9
249	33.9	26.6	40.0

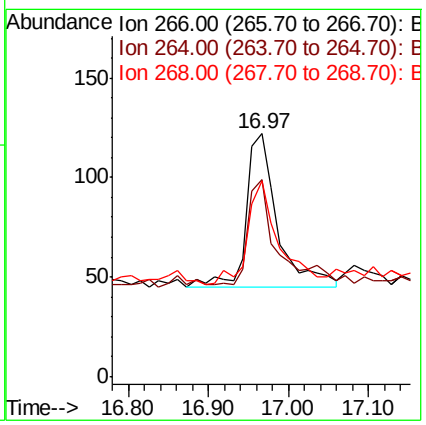


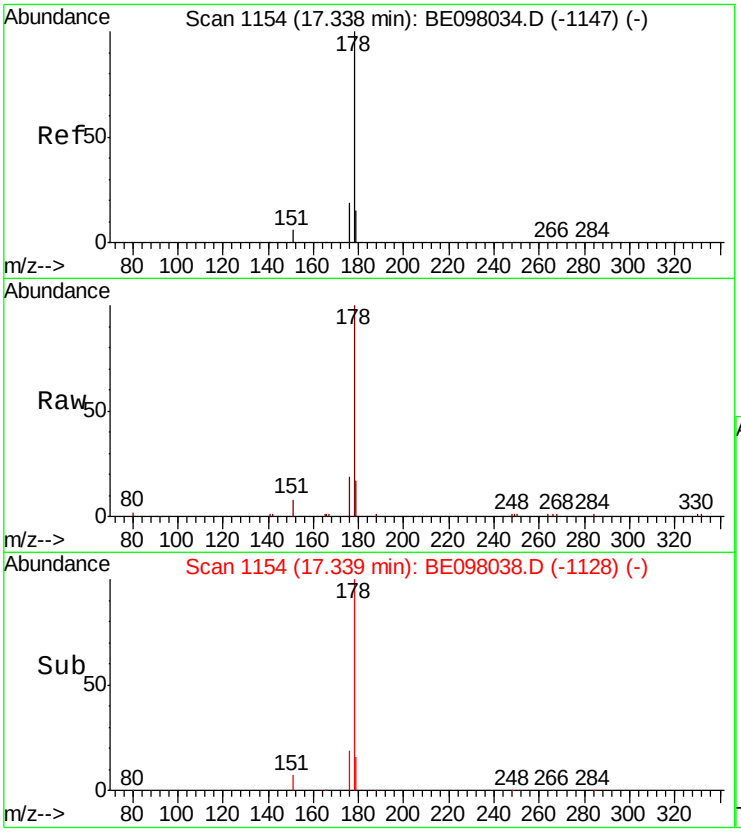


#22
Pentachlorophenol
Concen: 0.429 ng
RT: 16.97 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:266 Resp: 208

Ion	Ratio	Lower	Upper
266	100		
264	81.1	51.3	76.9#
268	80.3	50.1	75.1#



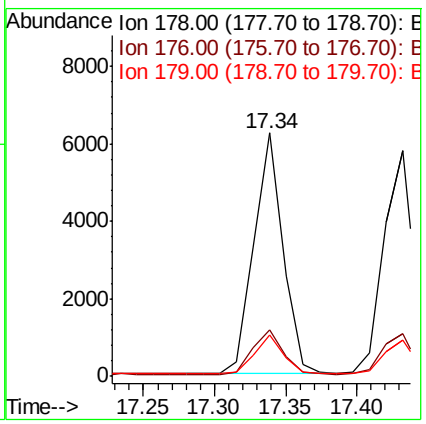


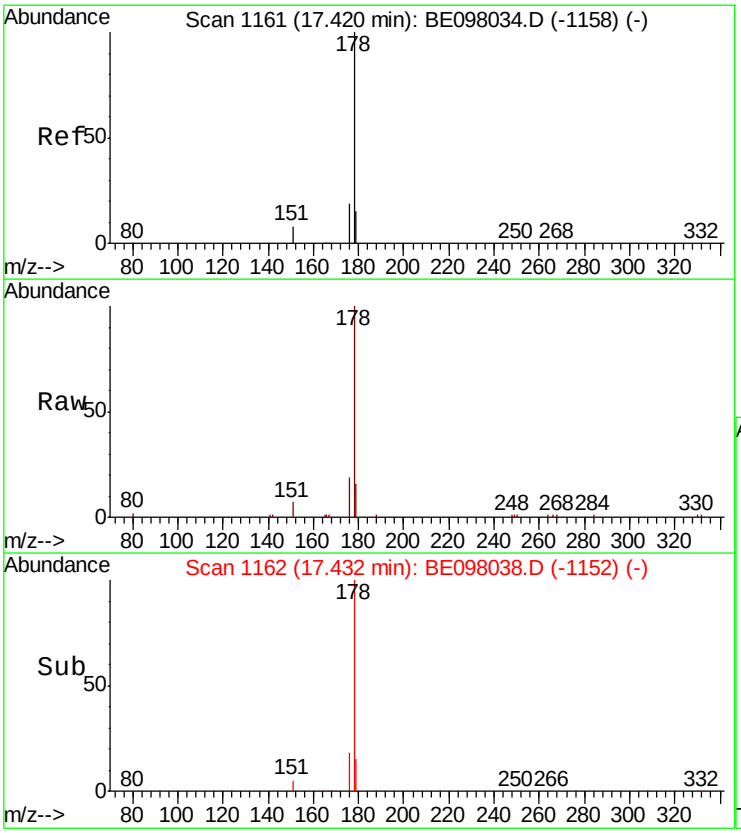
#23
Phenanthrene
Concen: 0.390 ng
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:178 Resp: 8850

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.0	12.2	18.4

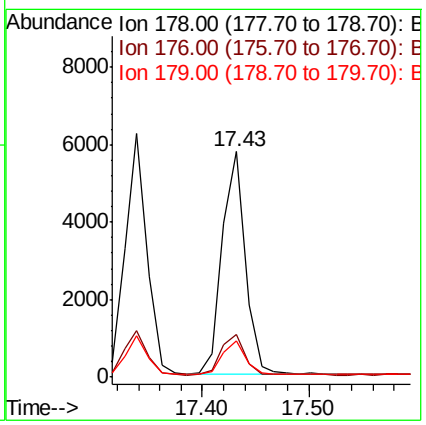


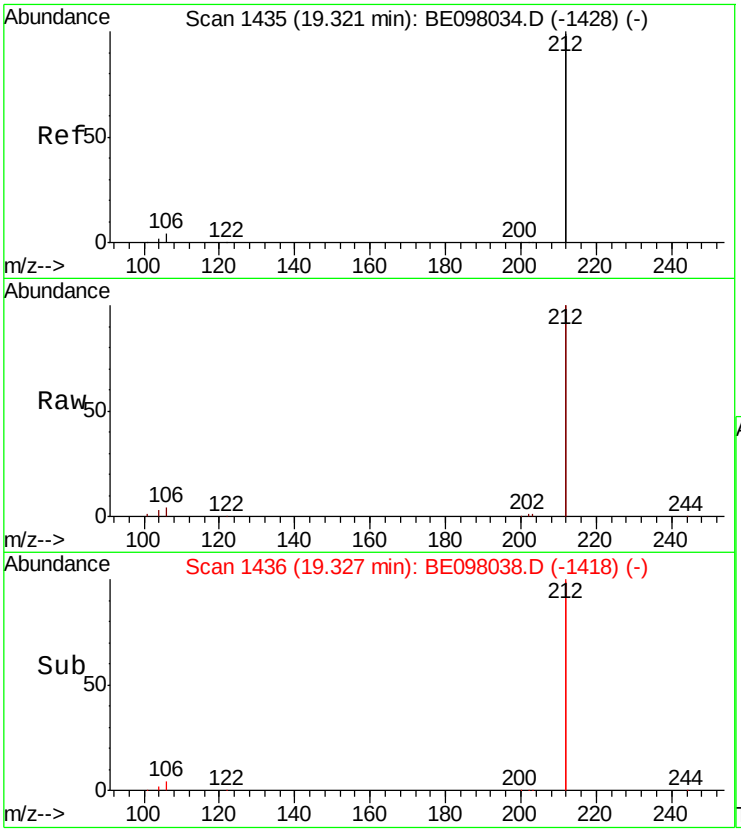


#24
Anthracene
Concen: 0.385 ng
RT: 17.43 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:178 Resp: 8579

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.8	11.9	17.9



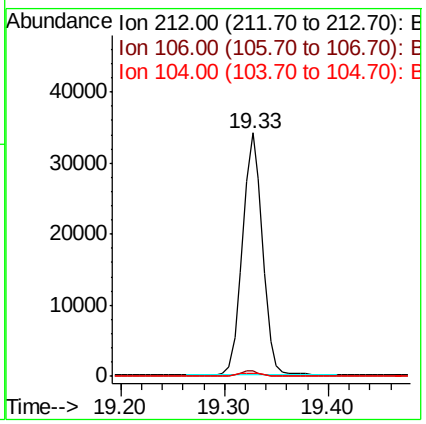


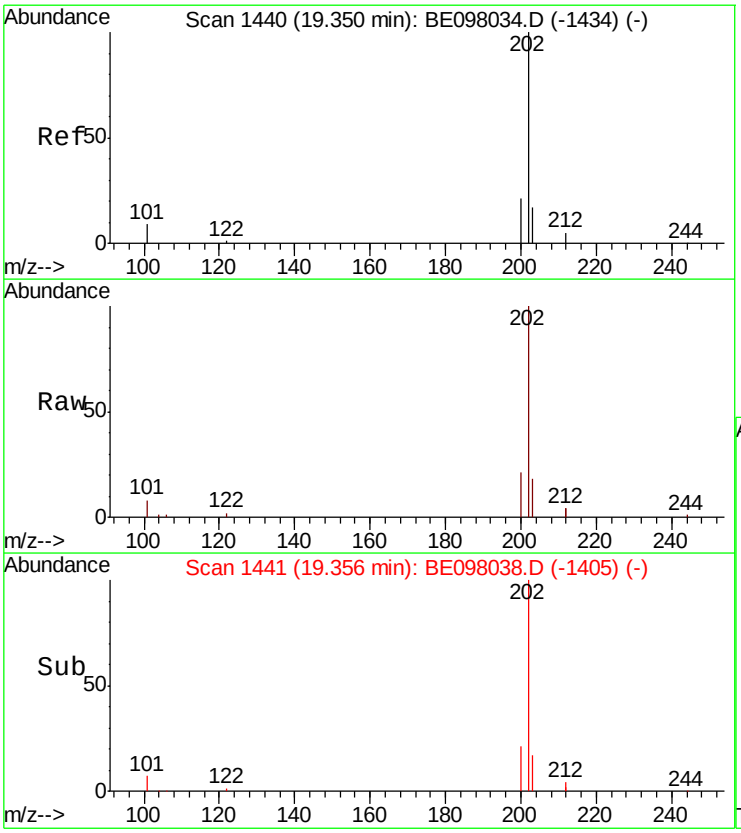
#25
Fluoranthene-d10
Concen: 0.383 ng
RT: 19.33 min Scan# 1436
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:212 Resp: 45436

Ion	Ratio	Lower	Upper
212	100		
106	2.0	2.3	3.5#
104	1.3	1.3	1.9#

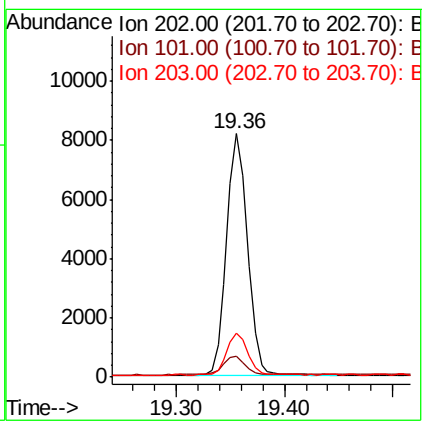


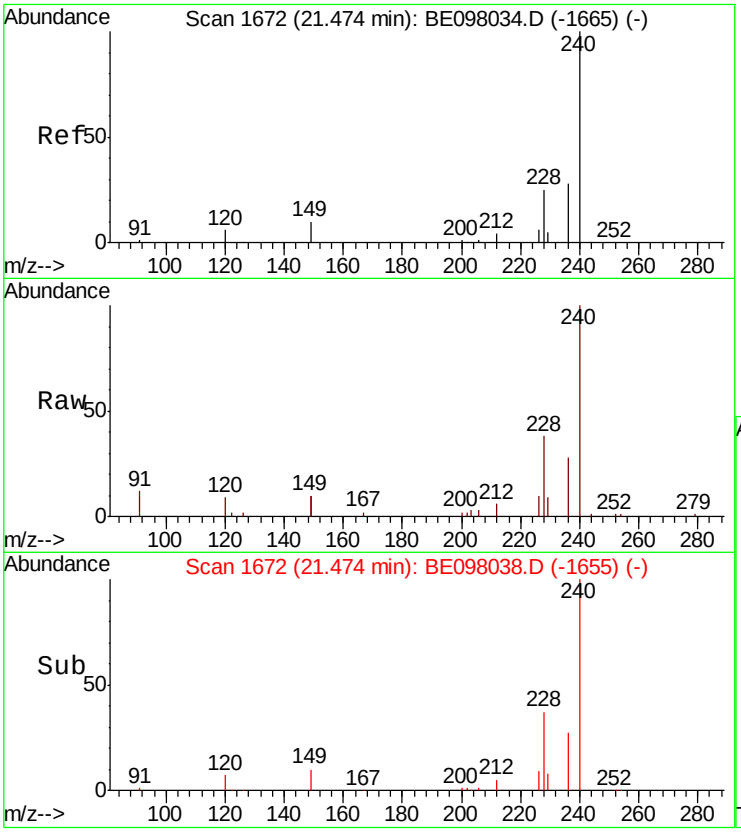


#26
Fluoranthene
Concen: 0.383 ng
RT: 19.36 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:202 Resp: 10839

Ion	Ratio	Lower	Upper
202	100		
101	8.2	8.2	12.2
203	17.3	15.0	22.4



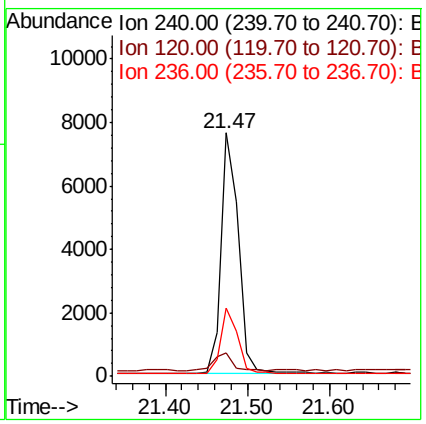


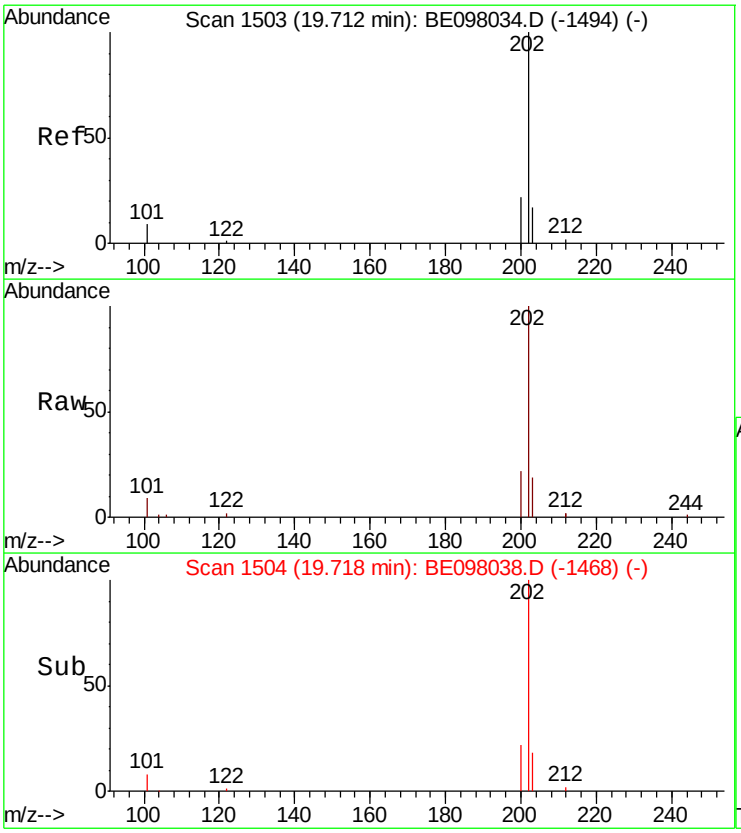
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:240 Resp: 11064

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.1	10.7
236	27.8	21.3	31.9

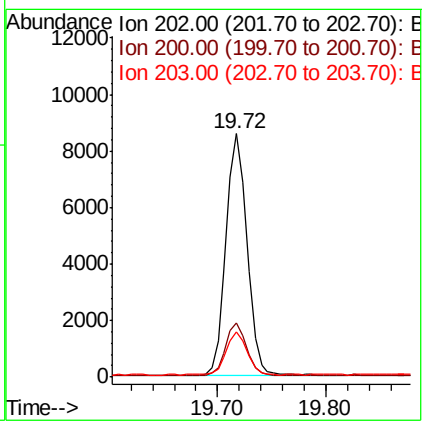


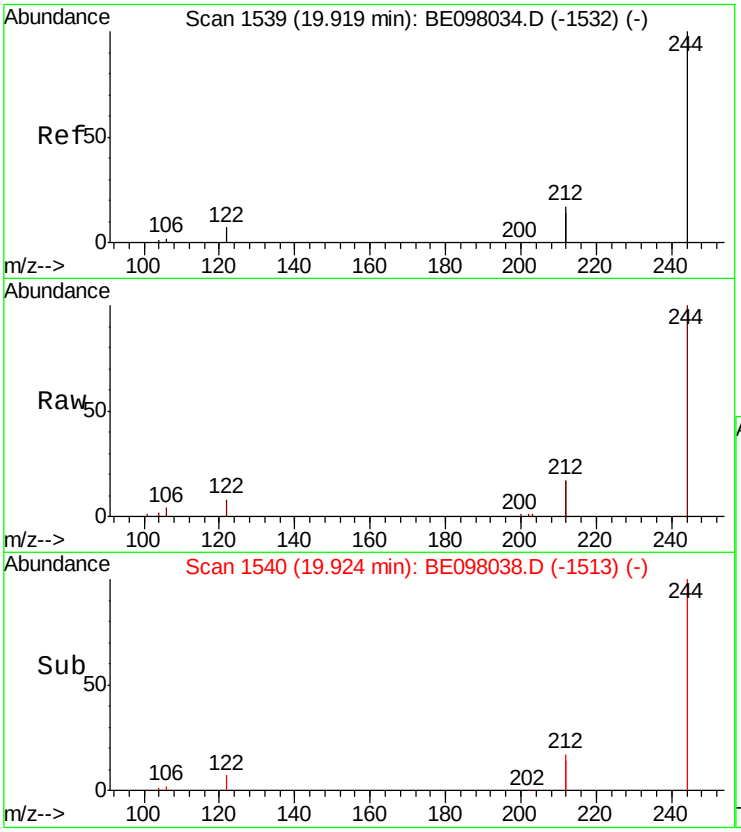


#28
Pyrene
Concen: 0.377 ng
RT: 19.72 min Scan# 1504
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:202 Resp: 11510

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.6	14.2	21.4



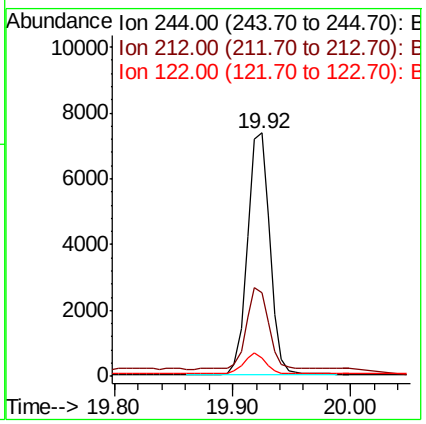


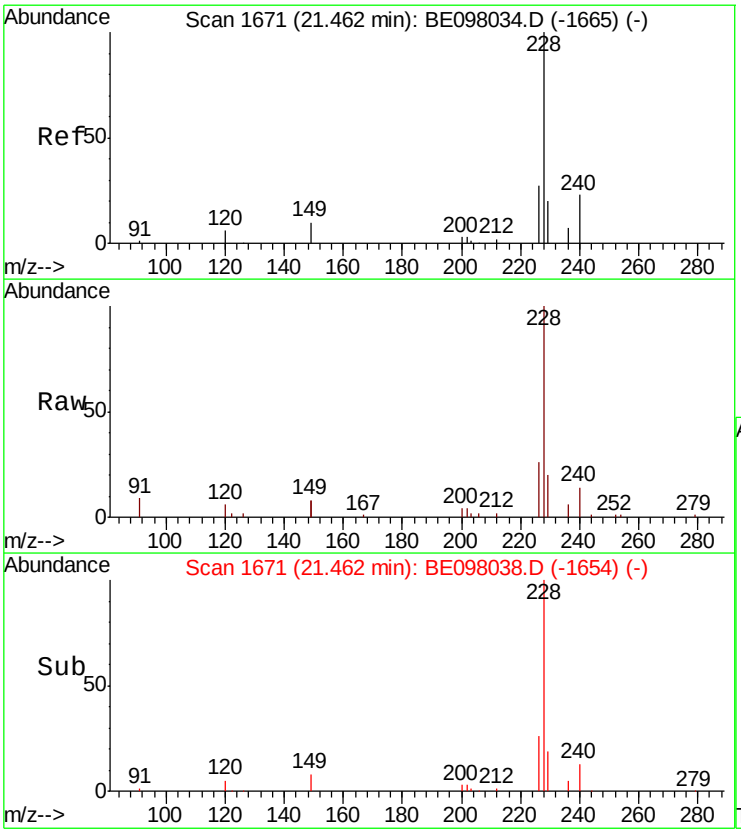
#29
Terphenyl-d14
Concen: 0.370 ng
RT: 19.92 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:244 Resp: 9658

Ion	Ratio	Lower	Upper
244	100		
212	34.2	26.2	39.2
122	7.7	7.7	11.5

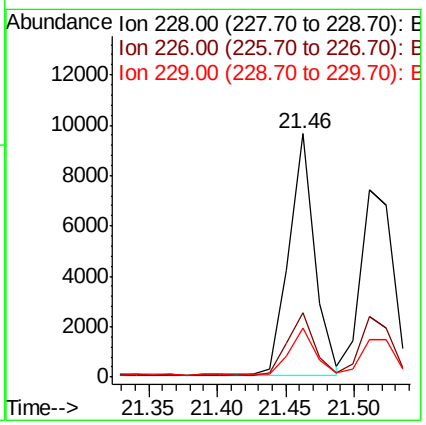


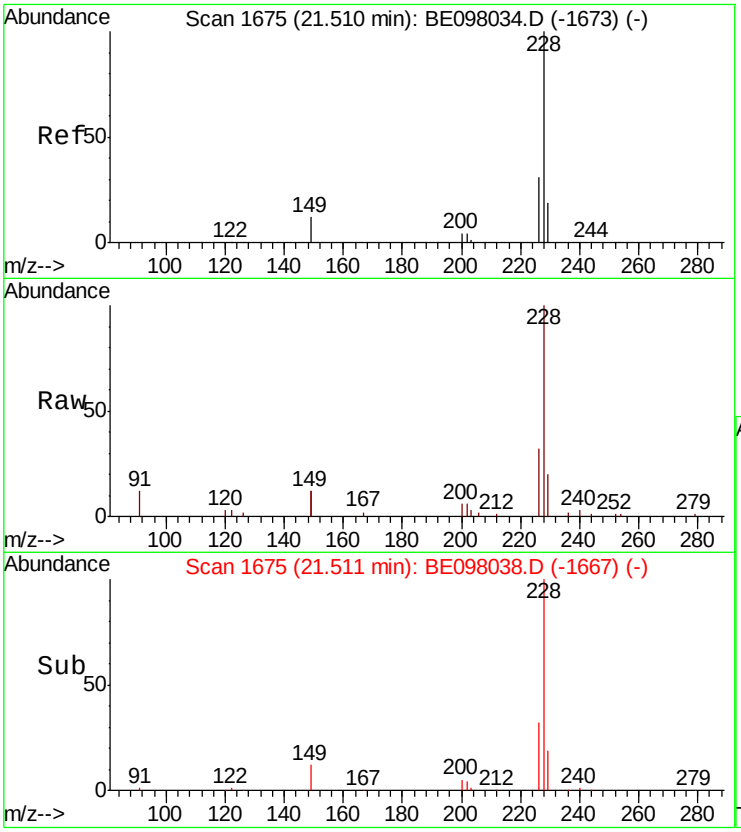


#30
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:228 Resp: 12464

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	20.2	16.9	25.3



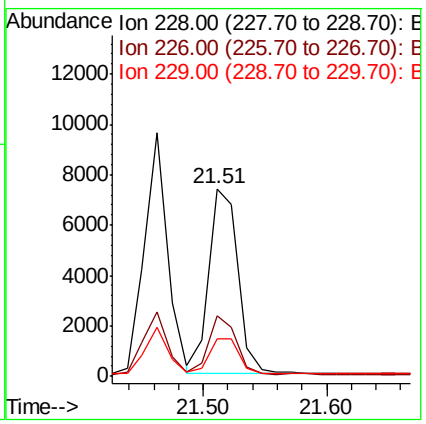


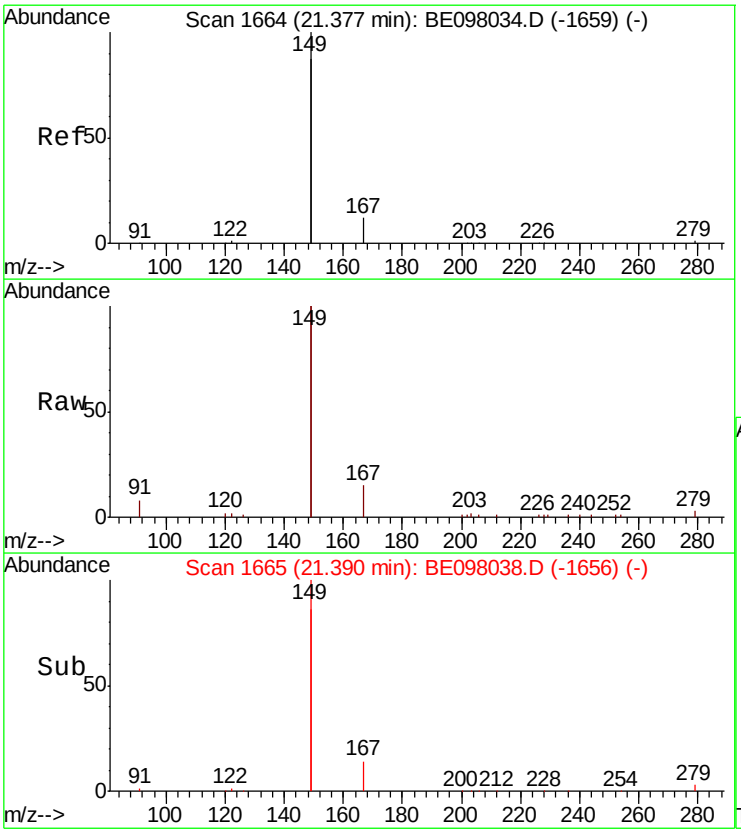
#31
Chrysene
Concen: 0.380 ng
RT: 21.51 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:228 Resp: 12059

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.3	36.5
229	20.0	17.3	25.9

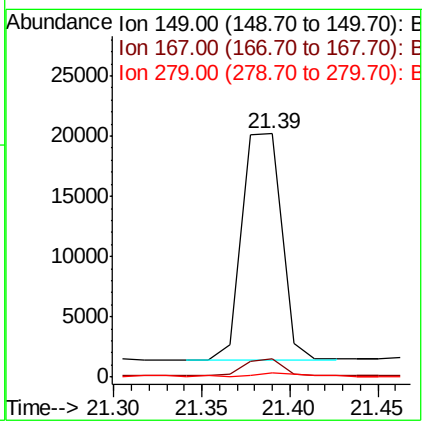


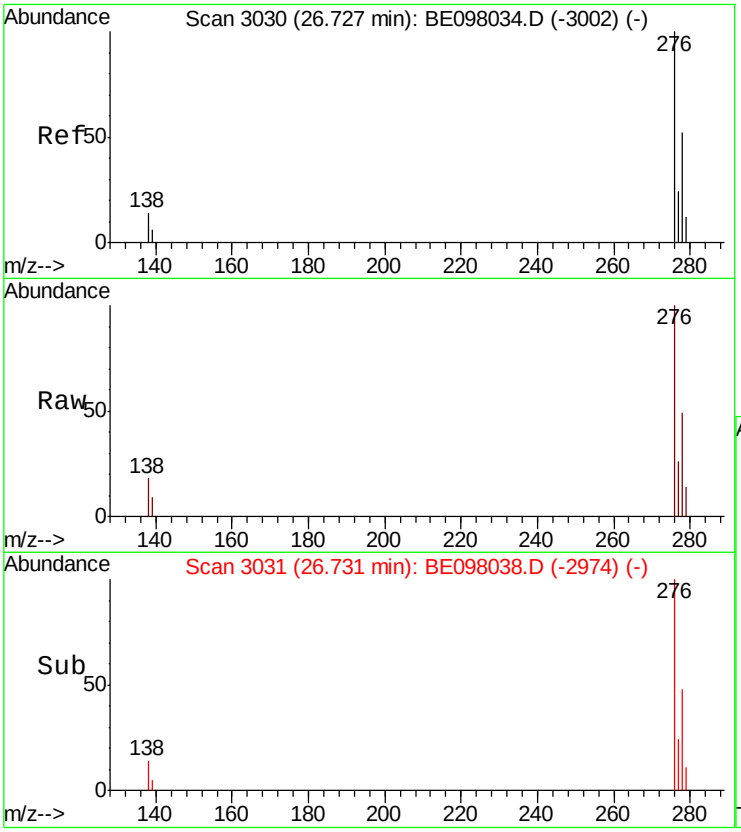


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.378 ng
RT: 21.39 min Scan# 1665
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:149 Resp: 29355

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.6	8.4
279	1.2	0.9	1.3



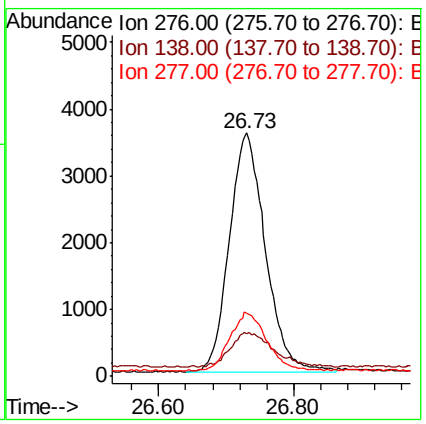


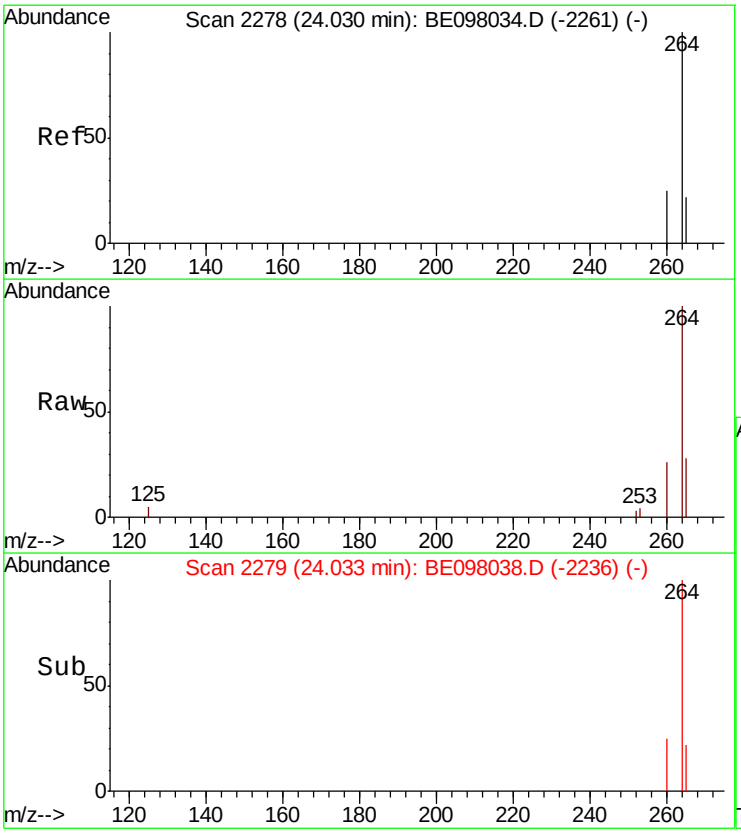
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:276 Resp: 13173

Ion	Ratio	Lower	Upper
276	100		
138	16.7	17.0	25.6#
277	24.8	20.5	30.7

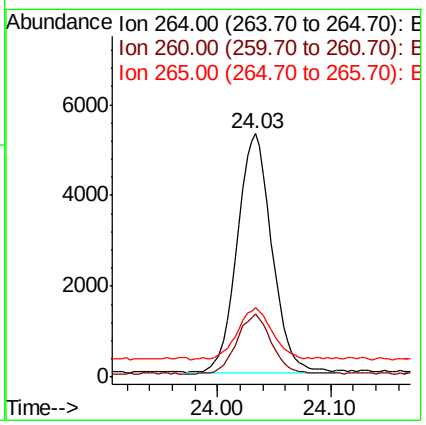


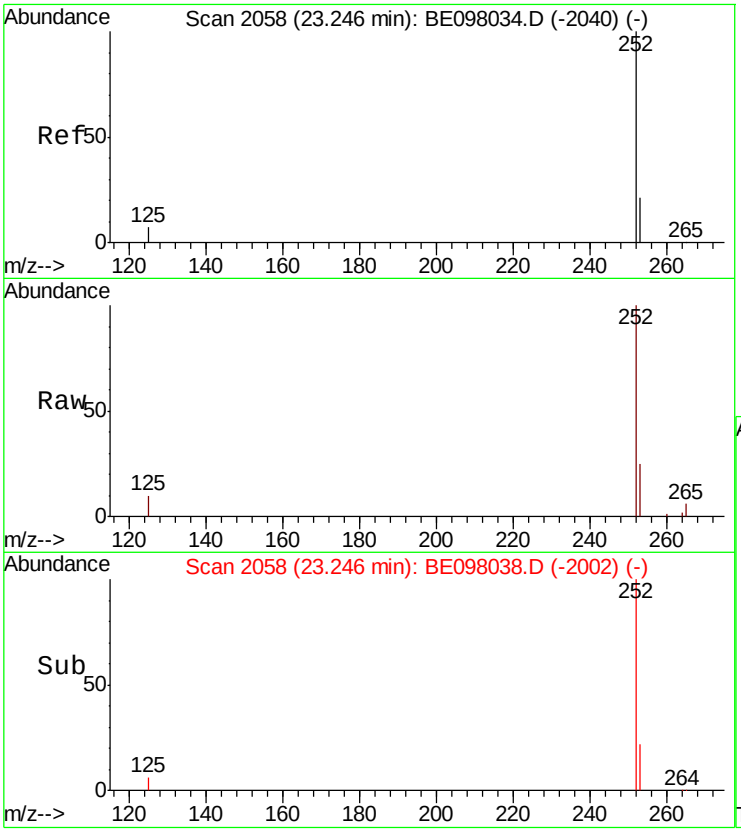


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.03 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:264 Resp: 11181

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.1	31.7
265	28.5	29.2	43.8#



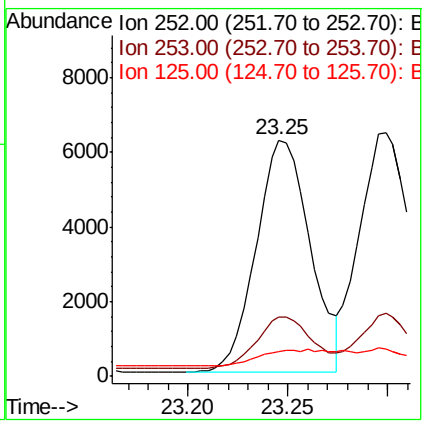


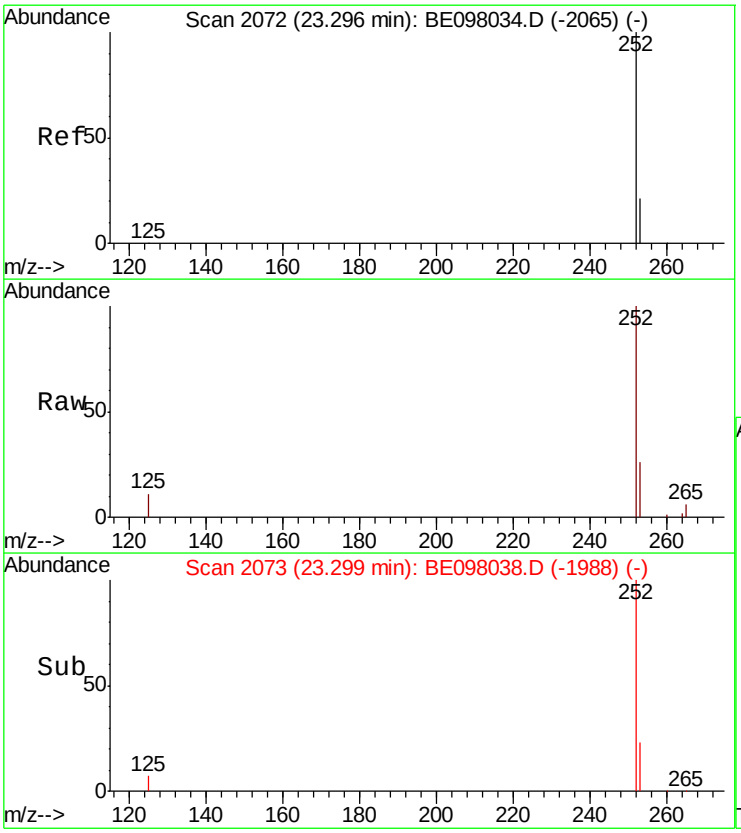
#35
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:252 Resp: 11678

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.6	31.0
125	10.4	14.3	21.5#

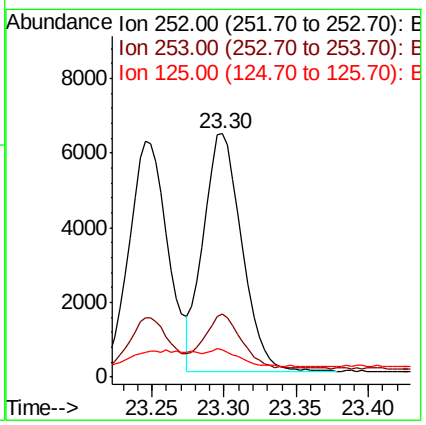


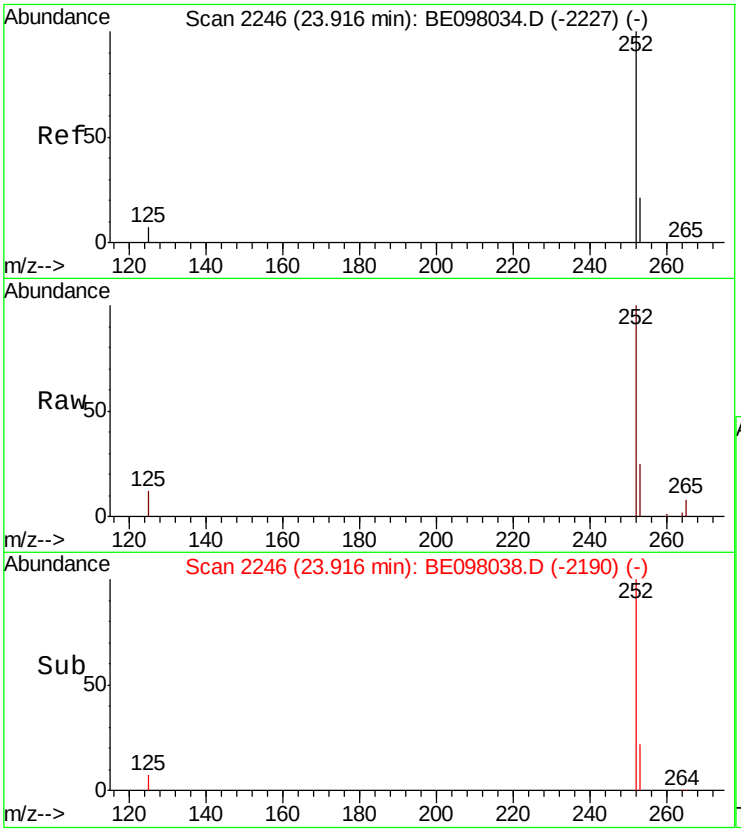


#36
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 23.30 min Scan# 2073
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:252 Resp: 11843

Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.4	30.6
125	11.1	14.6	21.8#



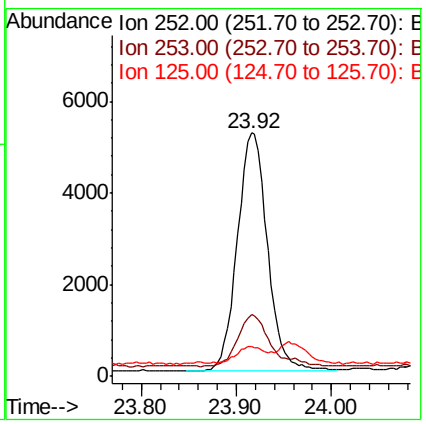


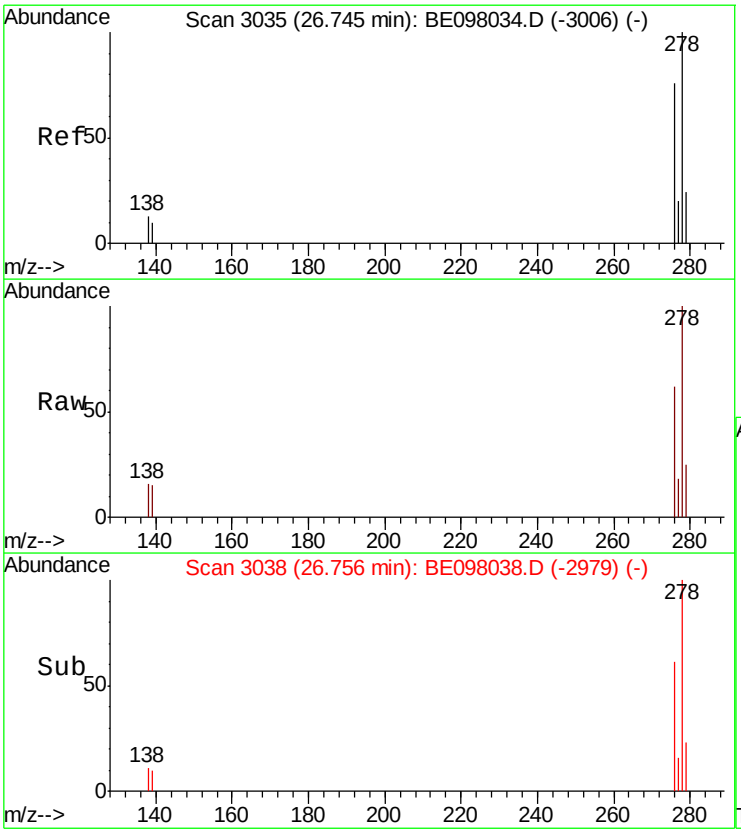
#37
Benzo(a)pyrene
Concen: 0.376 ng
RT: 23.92 min Scan# 2246
Delta R.T. -0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:252 Resp: 11483

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.6	31.0
125	12.5	15.6	23.4#

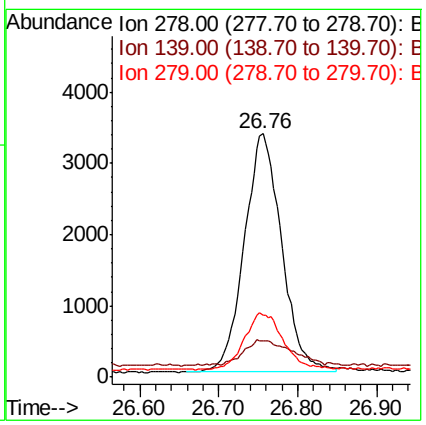


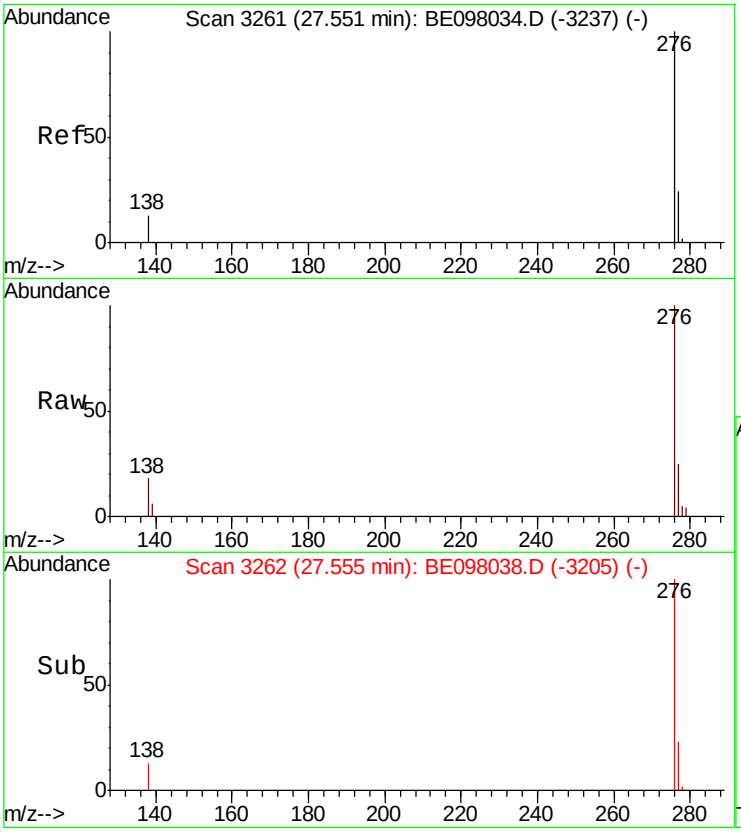


#38
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 26.76 min Scan# 3038
Delta R.T. 0.01 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Tgt Ion:278 Resp: 10999

Ion	Ratio	Lower	Upper
278	100		
139	15.0	16.3	24.5#
279	25.3	21.4	32.2





#39
Benzo(g,h,i)perylene
Concen: 0.376 ng
RT: 27.55 min Scan# 3262
Delta R.T. 0.00 min
Lab File: BE098038.D
Acq: 24 Oct 2018 14:45

Instrument :
BNA_E
ClientSampleId :
ICVBE102418

Tgt Ion:276 Resp: 11078

Ion	Ratio	Lower	Upper
276	100		
277	25.4	22.1	33.1
138	17.8	19.3	28.9#