Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100318\
Data File : BE097718.D
Acq On : 3 Oct 2018 19:16
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Oct 04 04:43:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4846	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	19951	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	11179	0.40	ng		0.00
19) Phenanthrene-d10	17.30	188	30719	0.40	ng		0.00
27) Chrysene-d12	21.49	240	41223	0.40	ng		0.00
34) Perylene-d12	24.04	264	40883	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	4455	0.39	ng		0.00
5) Phenol-d6	7.04	99	6574	0.37	ng		0.00
8) Nitrobenzene-d5	9.04	82	2972	0.46	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	11895	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.04	330	867	0.43	ng		0.00
15) 2-Fluorobiphenyl	13.18	172	18410	0.37	ng		-0.01
25) Fluoranthene-d10	19.33	212	143278	0.37	ng		0.00
29) Terphenyl-d14	19.94	244	30244	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	3756	0.389	ng		96
3) n-Nitrosodimethylamine	3.70	42	3251	0.370	ng	#	90
6) bis(2-Chloroethyl)ether	7.31	93	6775	0.373	ng		98
9) Naphthalene	10.75	128	76235	0.379	ng		100
10) Hexachlorobutadiene	11.04	225	4017	0.376	ng		99
12) 2-Methylnaphthalene	12.37	142	12334	0.383	ng		100
16) Acenaphthylene	14.27	152	17649	0.356	ng		99
17) Acenaphthene	14.62	154	12069	0.381	ng		98
18) Fluorene	15.60	166	16489	0.392	ng		97
20) 4-Bromophenyl-phenylether	16.50	248	6142	0.381	ng		98
21) Hexachlorobenzene	16.60	284	7072	0.390	ng		97
22) Pentachlorophenol	16.95	266	1222	0.430	ng		94
23) Phenanthrene	17.34	178	29748	0.376	ng		100
24) Anthracene	17.43	178	24930	0.365	ng		99
26) Fluoranthene	19.36	202	37121	0.368	ng		100
28) Pyrene	19.72	202	37714	0.360	ng		100
30) Benzo(a)anthracene	21.47	228	39631	0.358	ng		99
31) Chrysene	21.52	228	46249	0.373	ng		99
32) Bis(2-ethylhexyl)phthalate	21.41	149	31139	0.384	ng		99
33) Indeno(1,2,3-cd)pyrene	26.74	276	42104	0.391	ng		99
35) Benzo(b)fluoranthene	23.26	252	36636	0.327	ng		98
36) Benzo(k)fluoranthene	23.31	252	43676	0.351	ng		100
37) Benzo(a)pyrene	23.92	252	34453	0.339	ng		99
38) Dibenzo(a,h)anthracene	26.77	278	34889	0.349	ng		99
39) Benzo(g,h,i)perylene	27.55	276	36593	0.350	ng		98

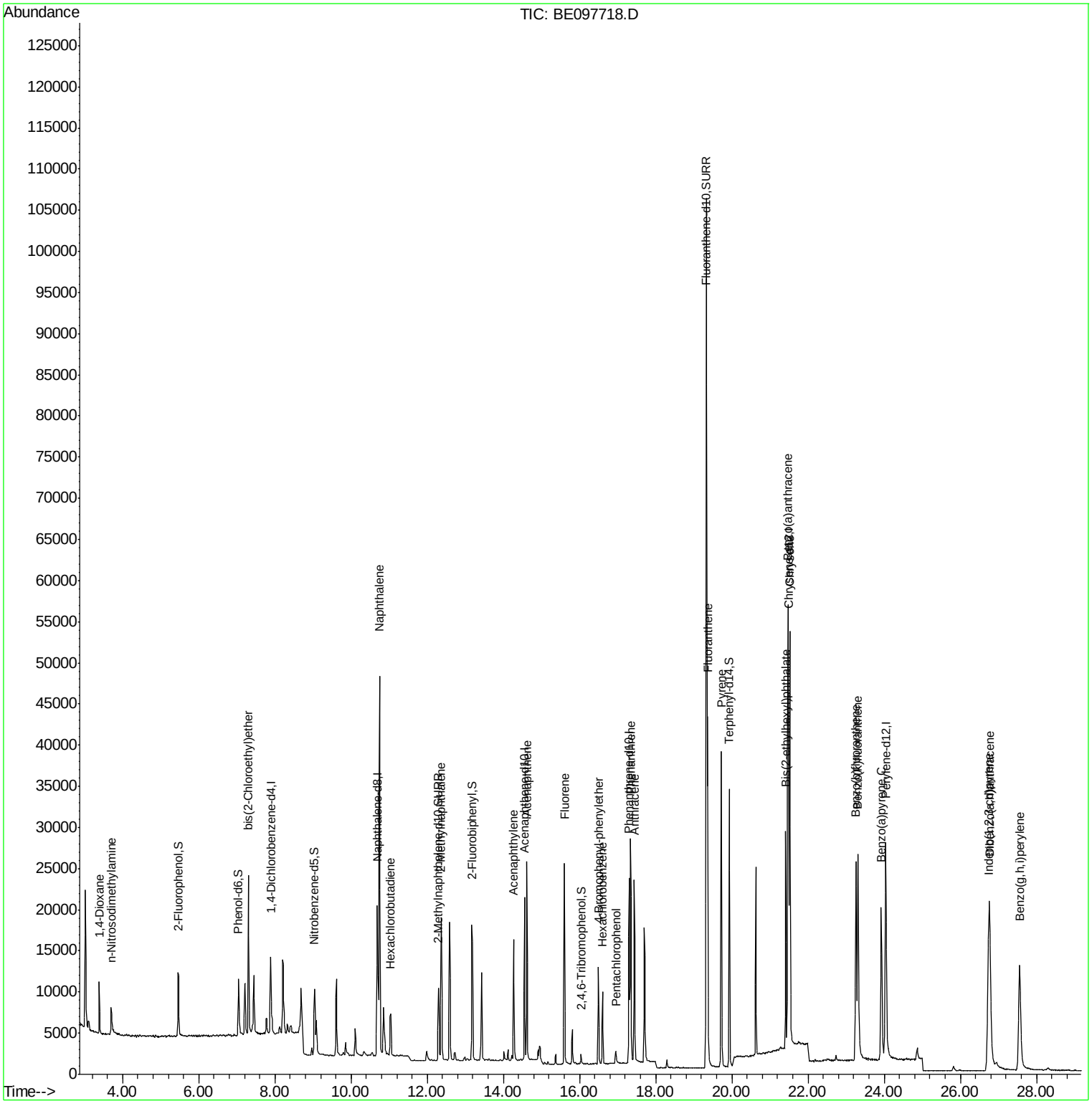
(#) = qualifier out of range (m) = manual integration (+) = signals summed

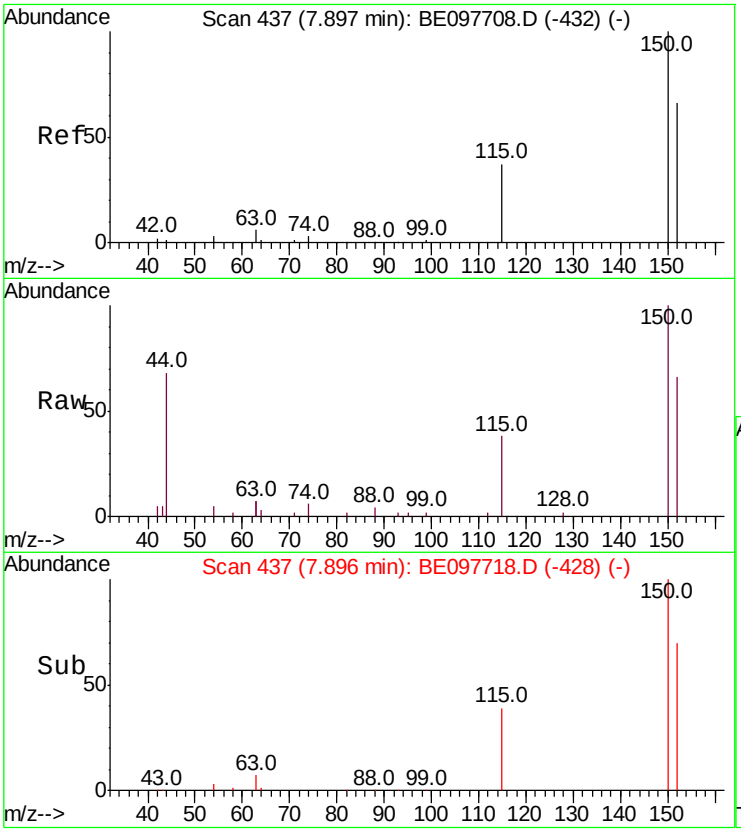
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100318\
Data File : BE097718.D
Acq On : 3 Oct 2018 19:16
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 04 04:43:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration



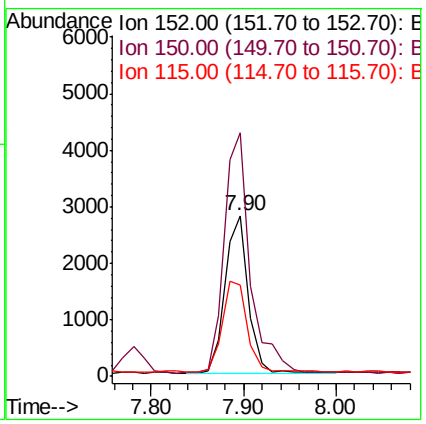


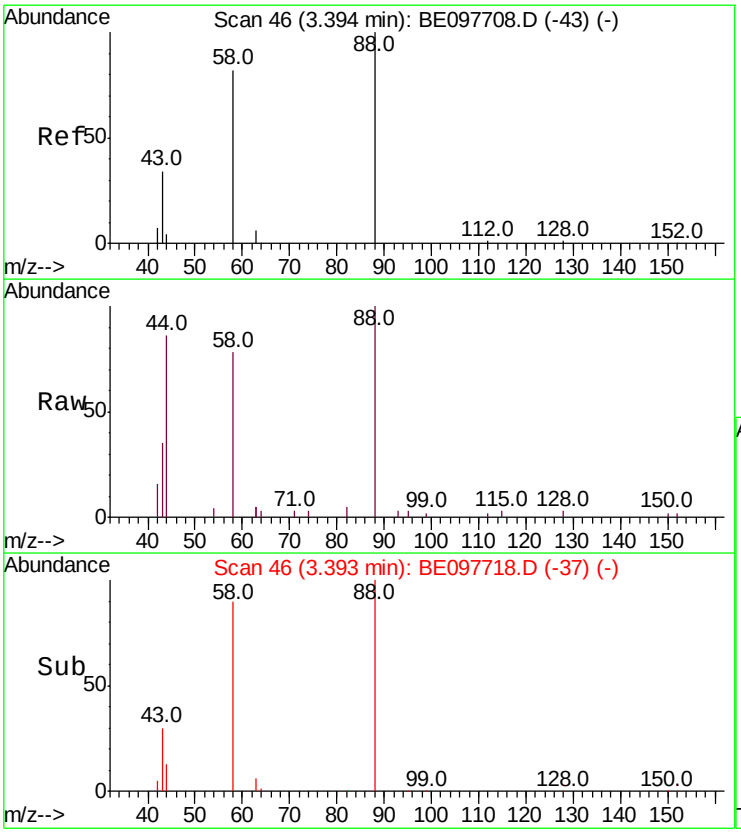
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4846

Ion	Ratio	Lower	Upper
152	100		
150	151.5	120.9	181.3
115	57.0	46.6	69.8

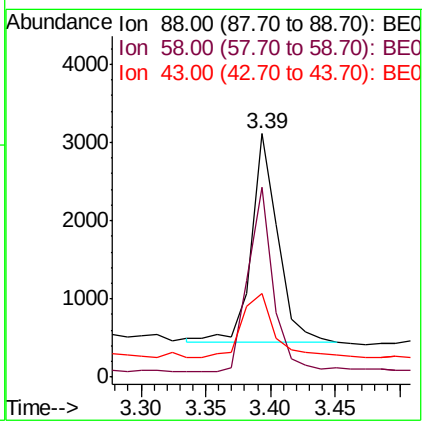


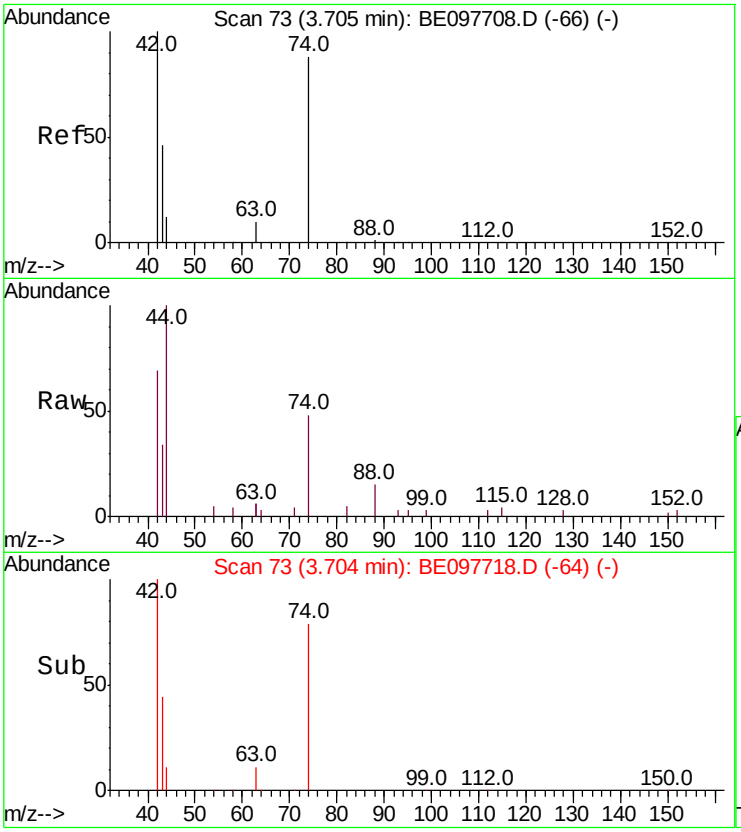


#2
1,4-Dioxane
Concen: 0.389 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion: 88 Resp: 3756

Ion	Ratio	Lower	Upper
88	100		
58	85.0	70.8	106.2
43	39.2	33.3	49.9



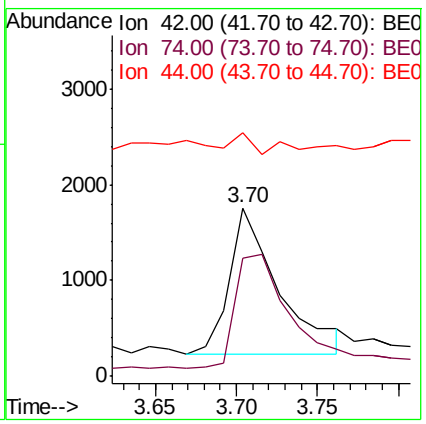


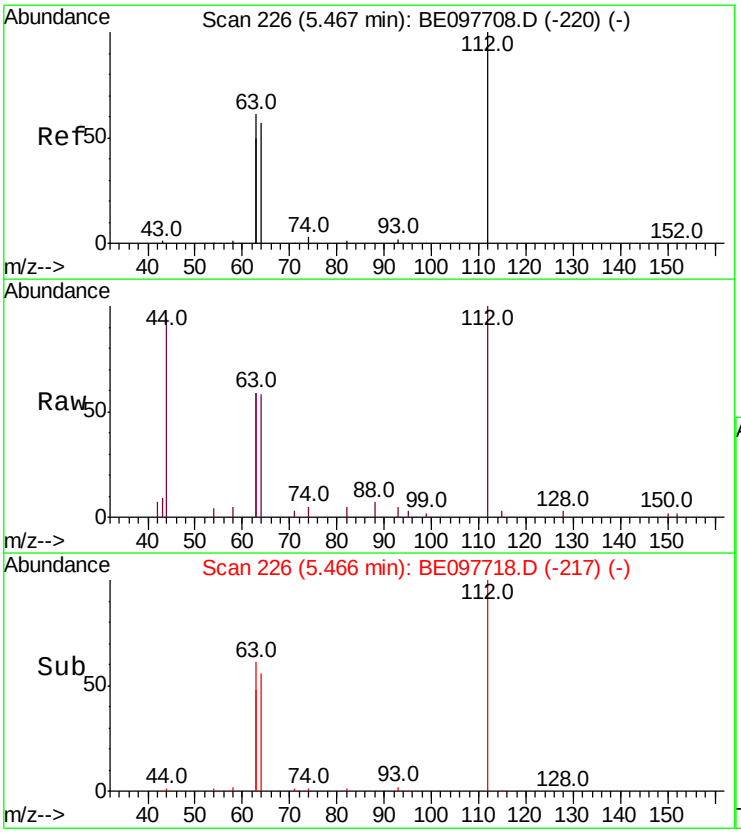
#3
n-Nitrosodimethylamine
Concen: 0.370 ng
RT: 3.70 min Scan# 73
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3251

Ion	Ratio	Lower	Upper
42	100		
74	84.8	70.7	106.1
44	0.0	15.0	22.4#

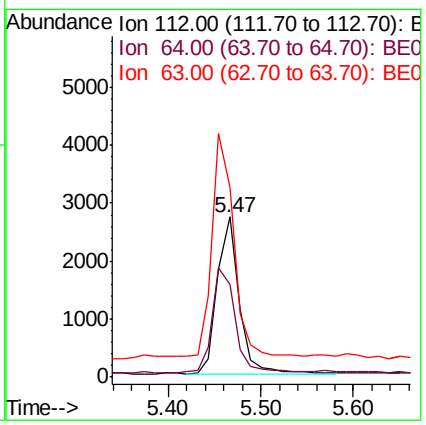


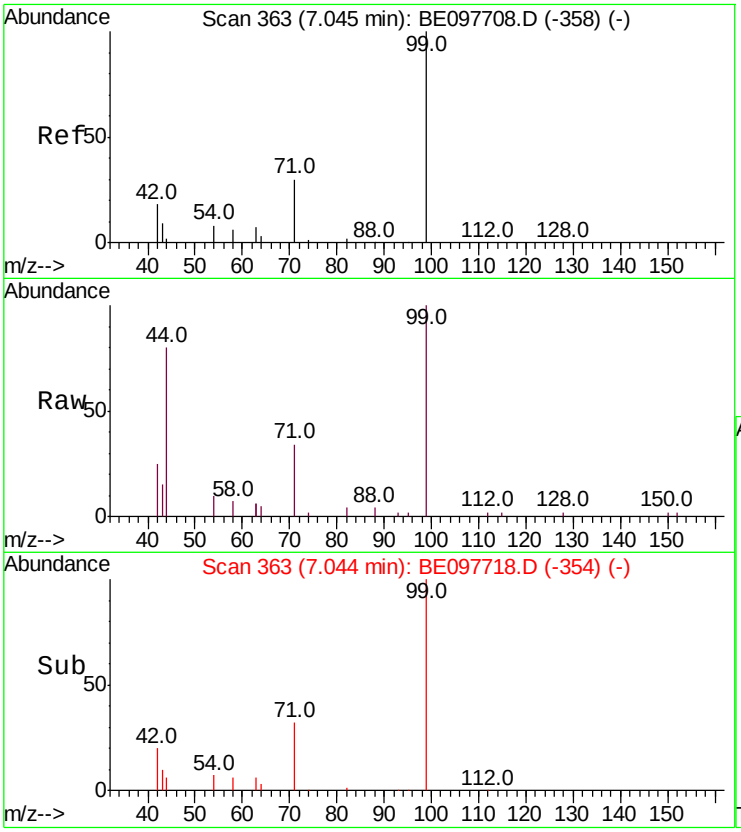


#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:112 Resp: 4455

Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.6	84.8
63	138.1	119.4	179.0



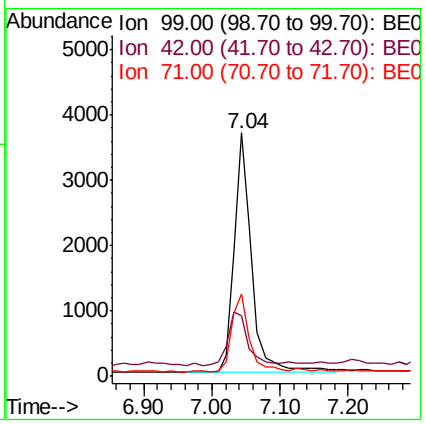


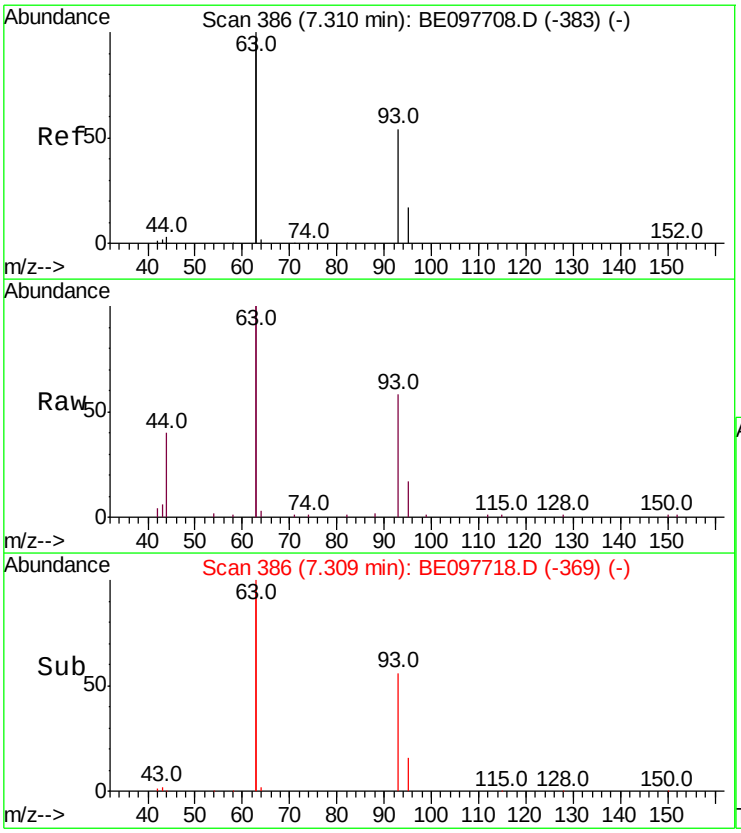
#5
Phenol-d6
Concen: 0.374 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 6574

Ion	Ratio	Lower	Upper
99	100		
42	27.2	19.9	29.9
71	32.3	25.4	38.2

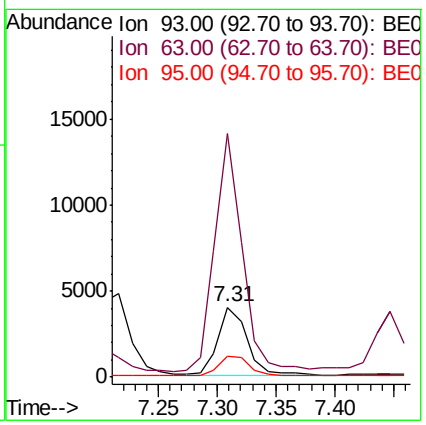


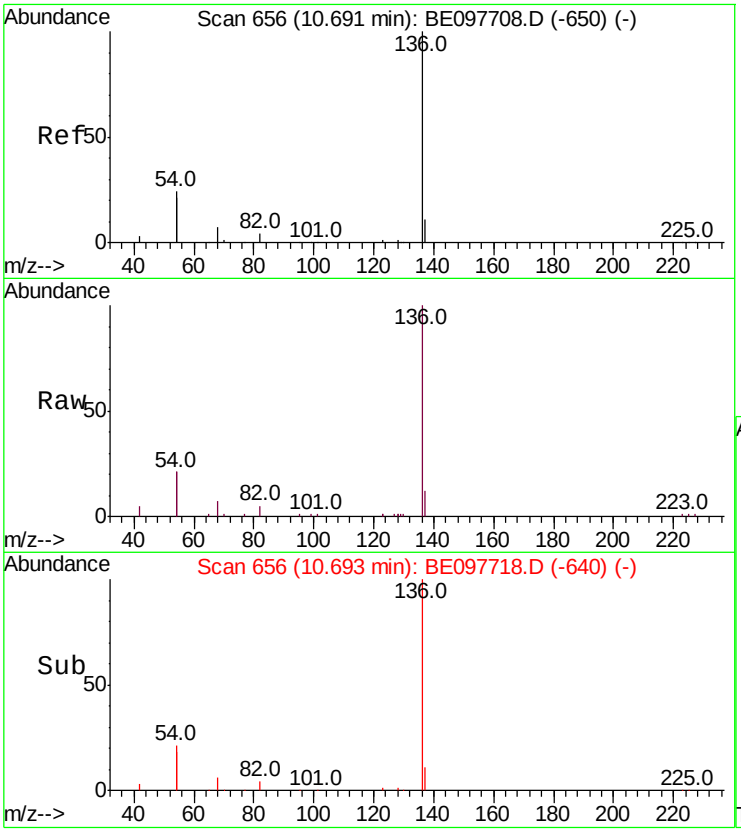


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion: 93 Resp: 6775

Ion	Ratio	Lower	Upper
93	100		
63	328.5	266.9	400.3
95	31.6	26.2	39.2



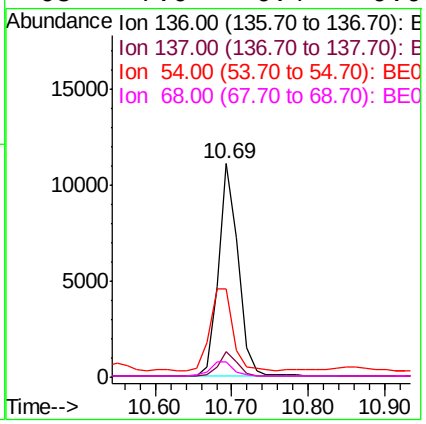


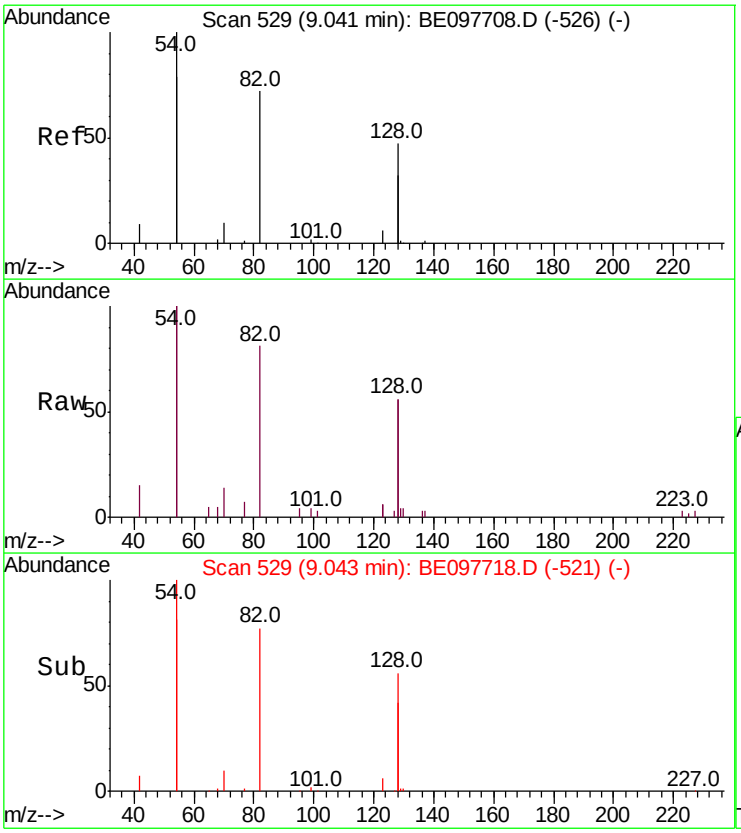
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 19951

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.4
54	41.7	37.8	56.6
68	7.0	6.4	9.6

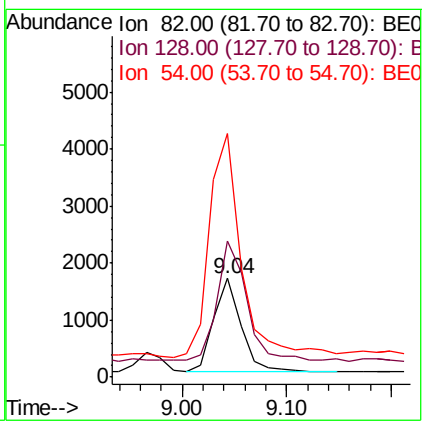


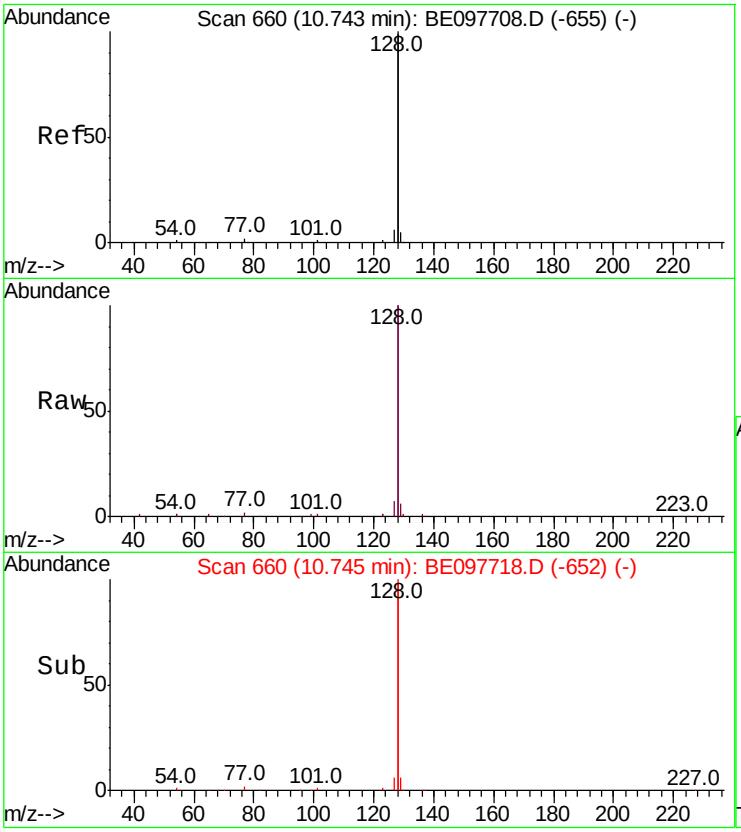


#8
Nitrobenzene-d5
Concen: 0.459 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion: 82 Resp: 2972

Ion	Ratio	Lower	Upper
82	100		
128	137.4	97.0	145.4
54	246.5	206.9	310.3



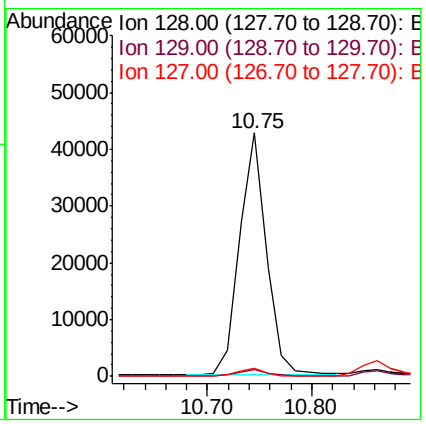


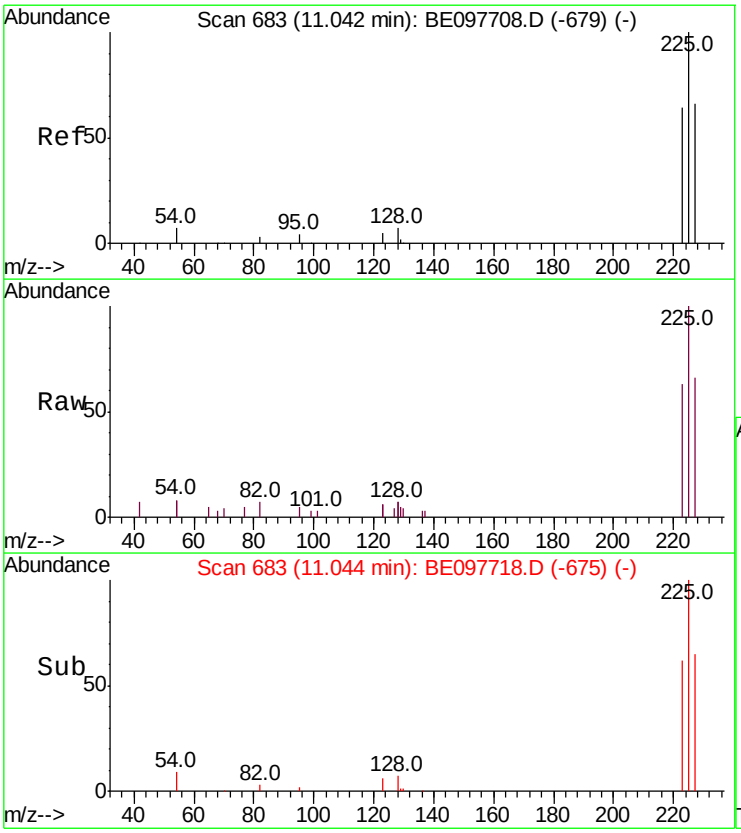
#9
Naphthalene
Concen: 0.379 ng
RT: 10.75 min Scan# 660
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 76235

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.2
127	3.4	2.7	4.1

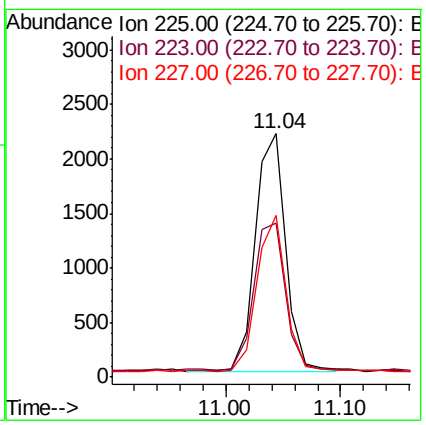


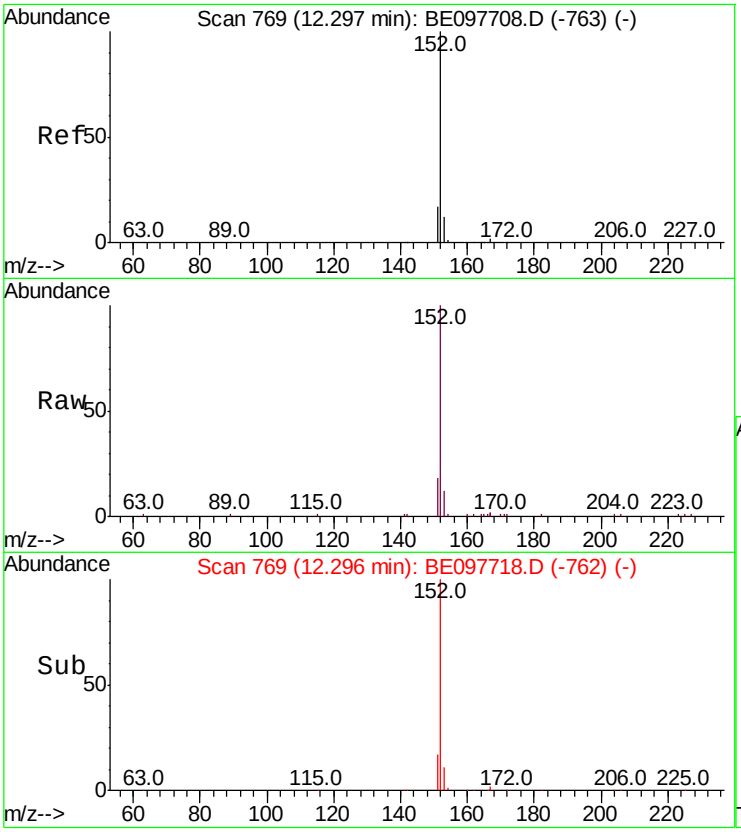


#10
Hexachlorobutadiene
Concen: 0.376 ng
RT: 11.04 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:225 Resp: 4017

Ion	Ratio	Lower	Upper
225	100		
223	64.2	52.2	78.4
227	63.0	51.2	76.8



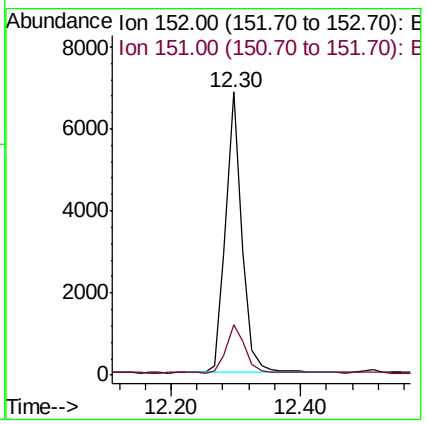


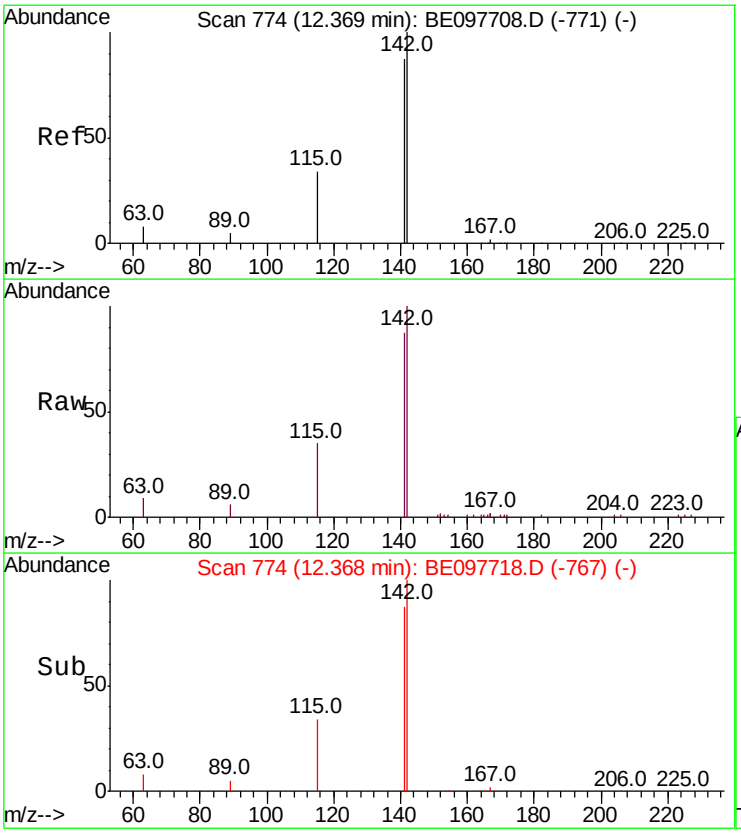
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11895

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

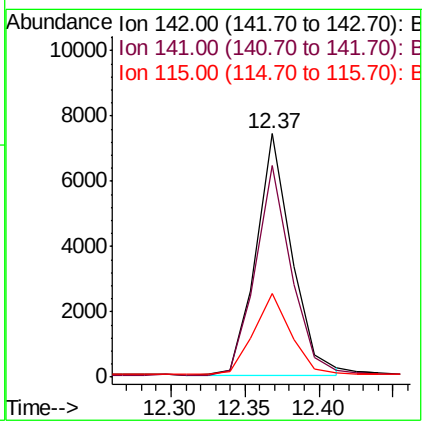


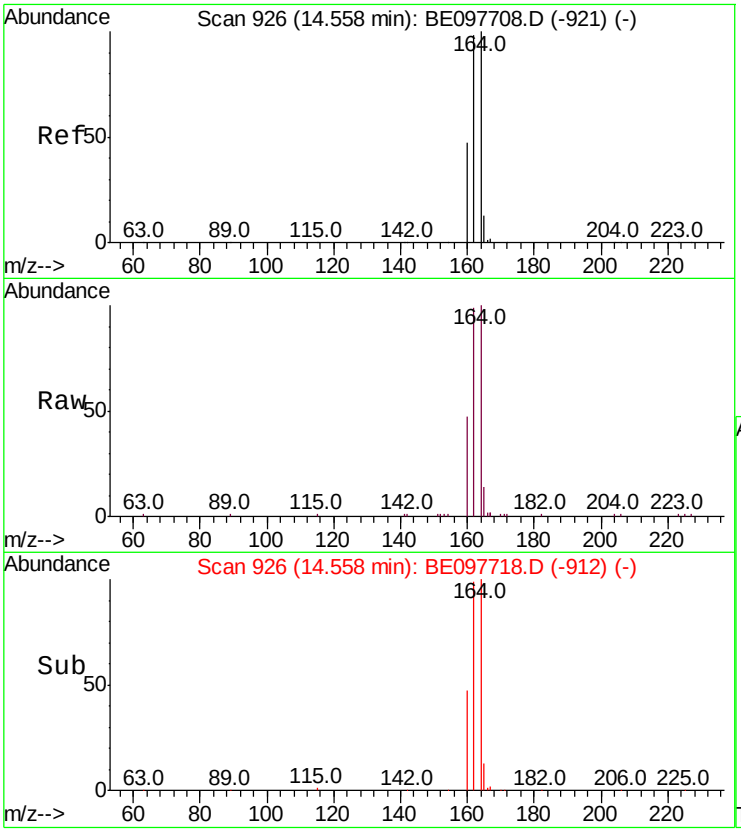


#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:142 Resp: 12334

Ion	Ratio	Lower	Upper
142	100		
141	86.7	69.4	104.2
115	34.6	28.0	42.0



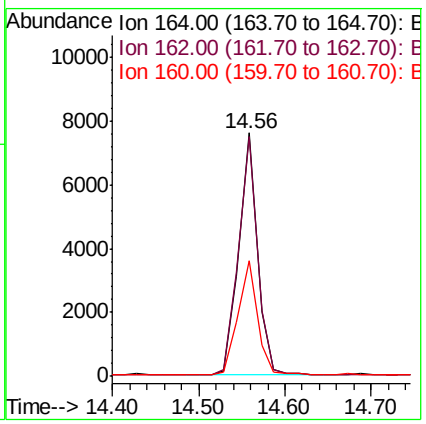


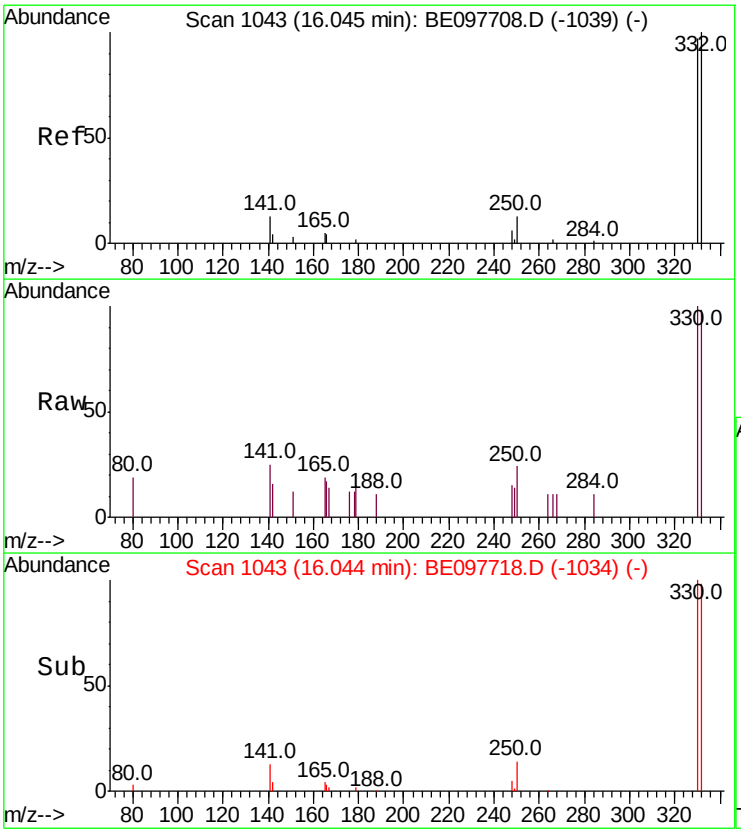
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 11179

Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.6	117.8
160	47.4	37.8	56.6

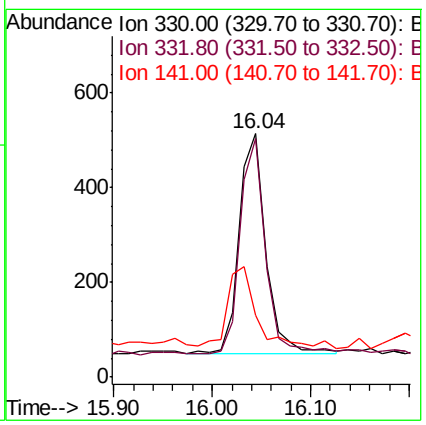


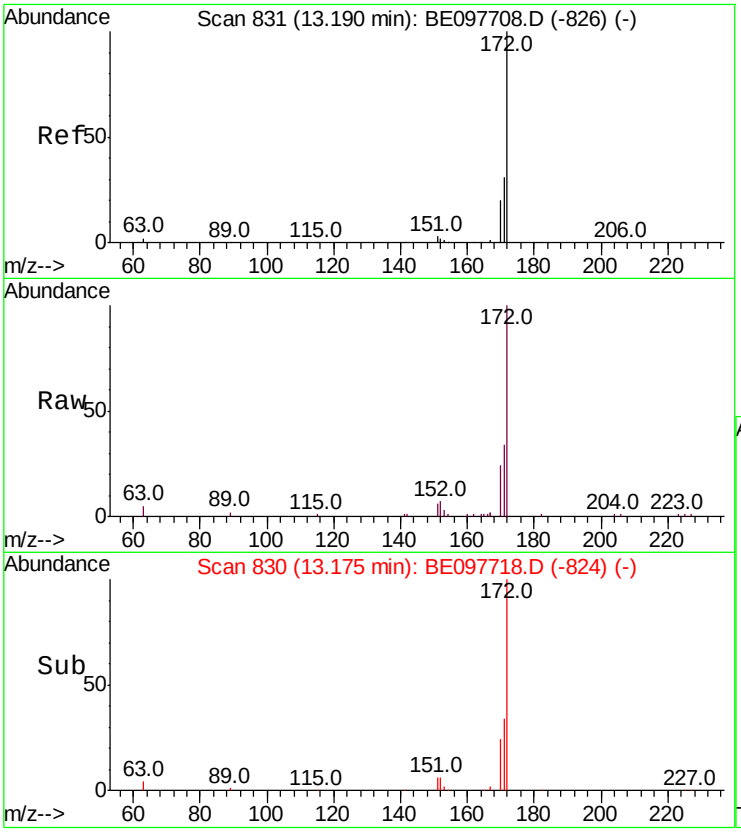


#14
2,4,6-Tribromophenol
Concen: 0.428 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:330 Resp: 867

Ion	Ratio	Lower	Upper
330	100		
332	95.4	83.5	125.3
141	43.0	34.9	52.3



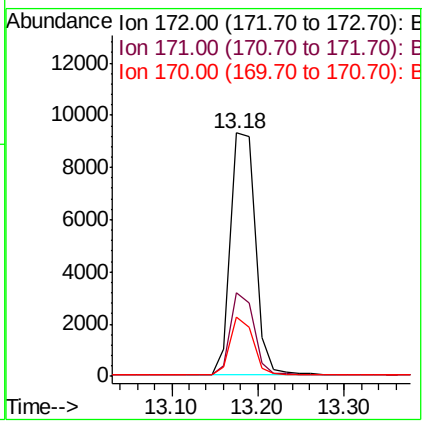


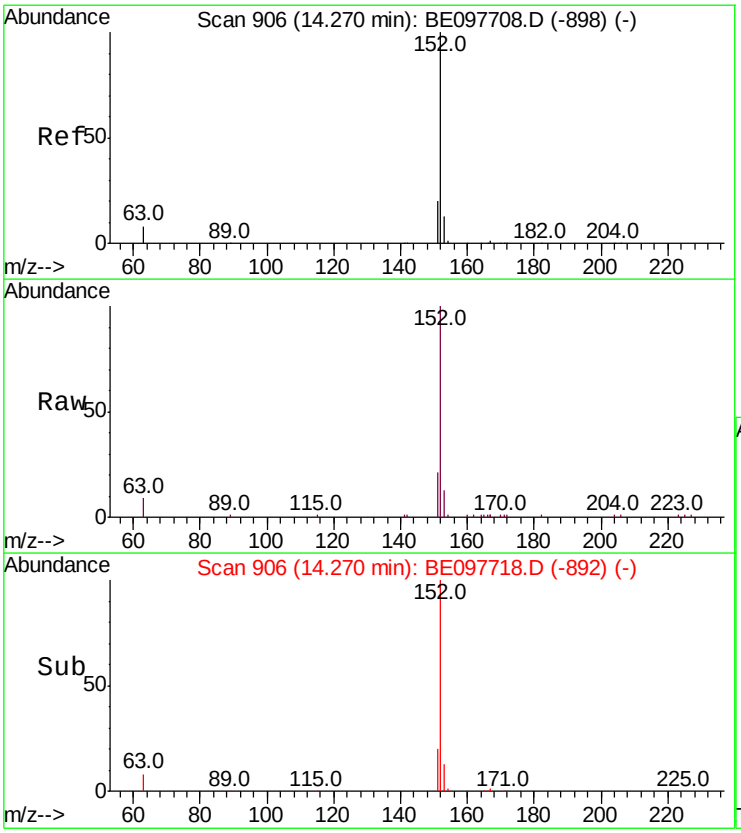
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.18 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 18410

Ion	Ratio	Lower	Upper
172	100		
171	34.2	25.2	37.8
170	24.2	16.2	24.2

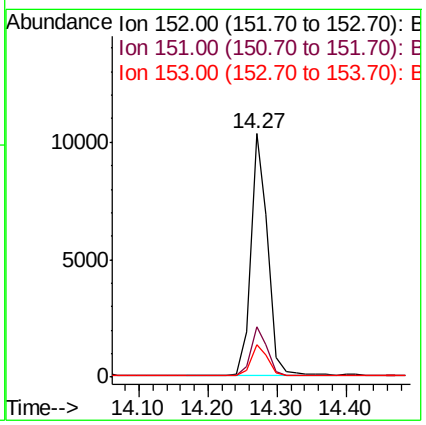


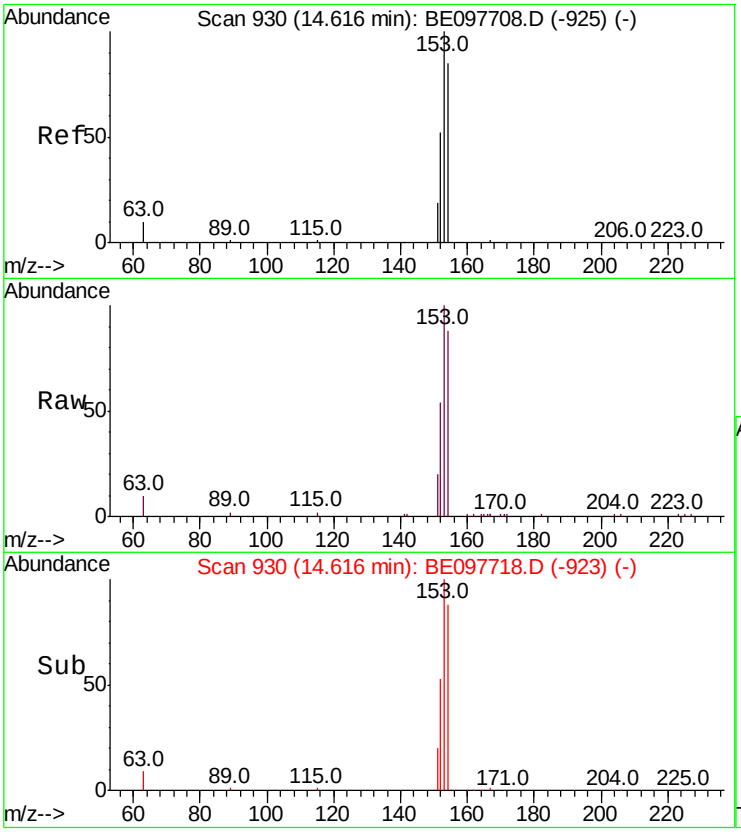


#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:152 Resp: 17649

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.3	22.9
153	13.1	10.8	16.2



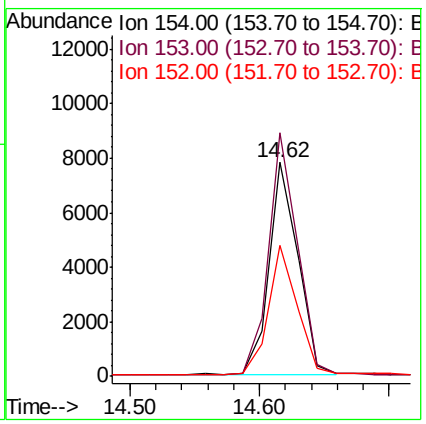


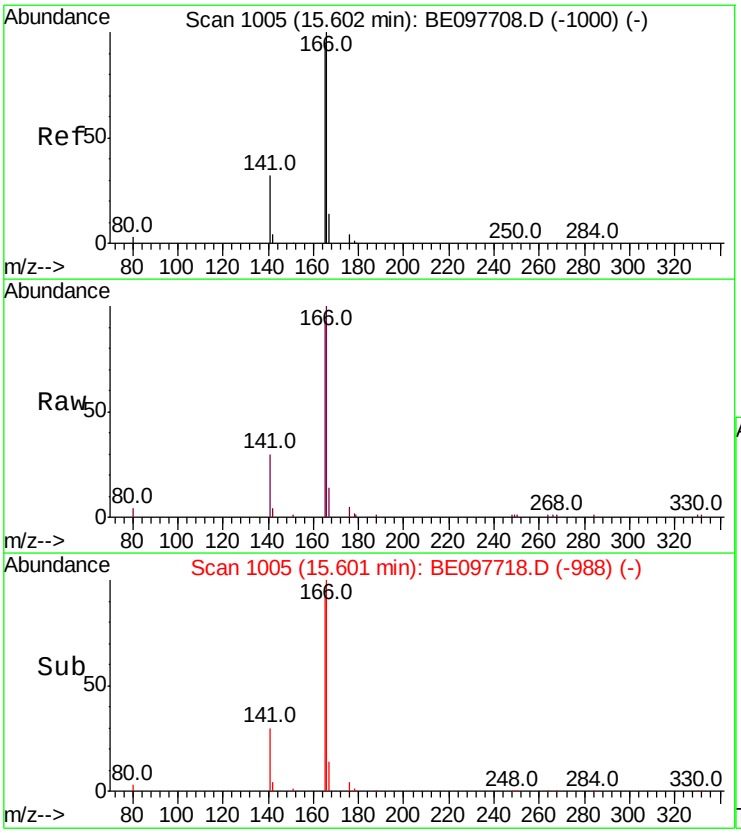
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 12069

Ion	Ratio	Lower	Upper
154	100		
153	113.8	93.3	139.9
152	60.3	48.9	73.3

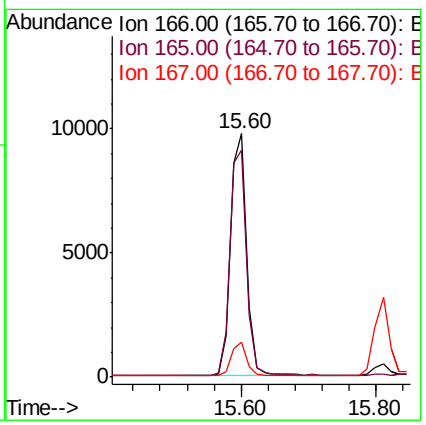


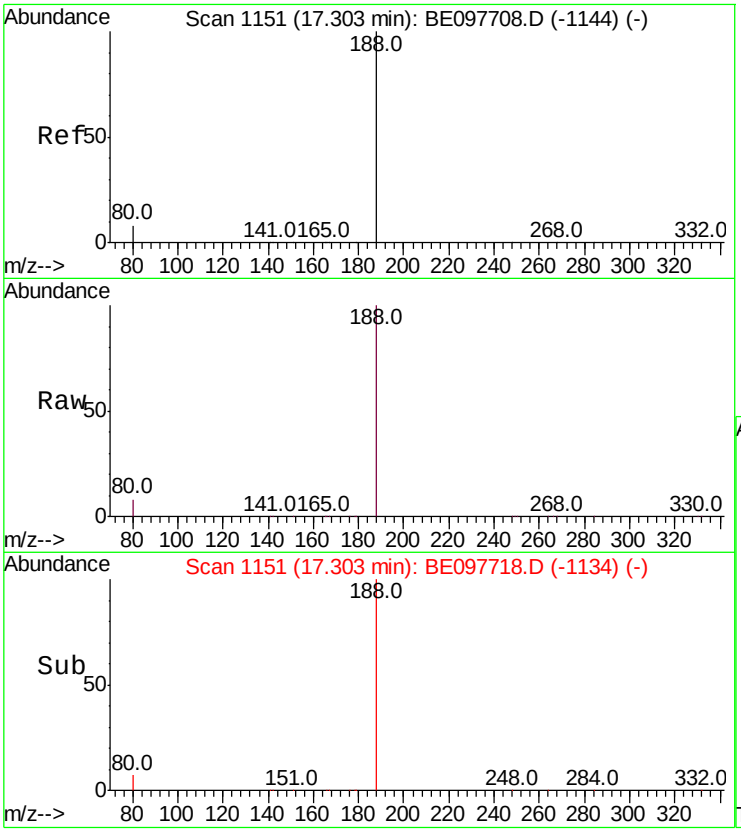


#18
Fluorene
Concen: 0.392 ng
RT: 15.60 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:166 Resp: 16489

Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.0	118.4
167	13.2	11.1	16.7



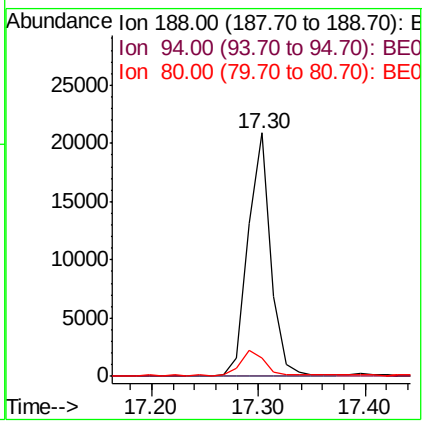


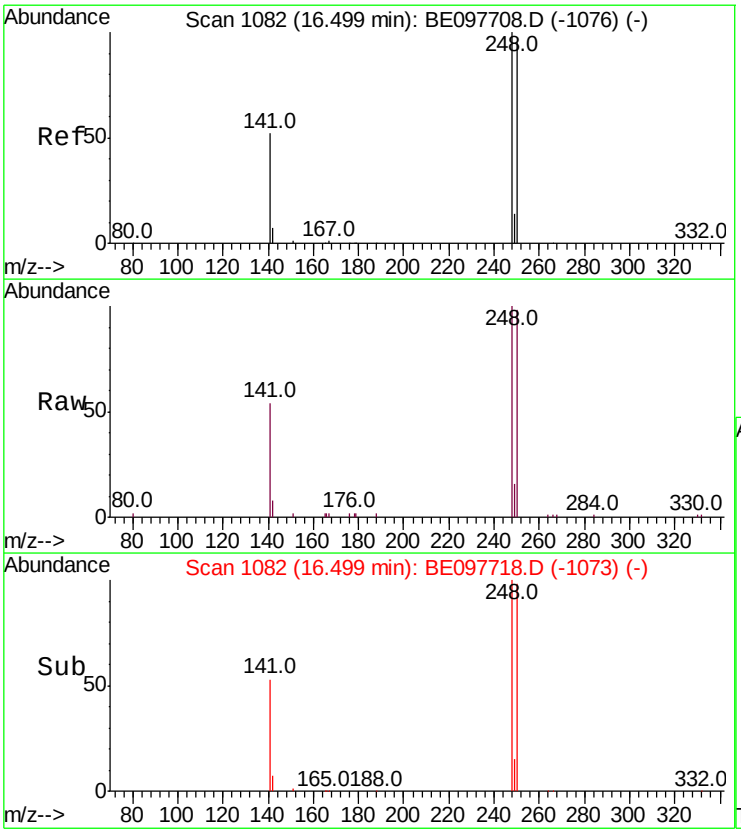
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 30719

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	6.6	9.8

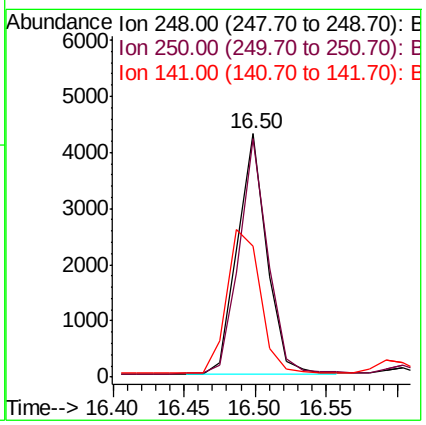


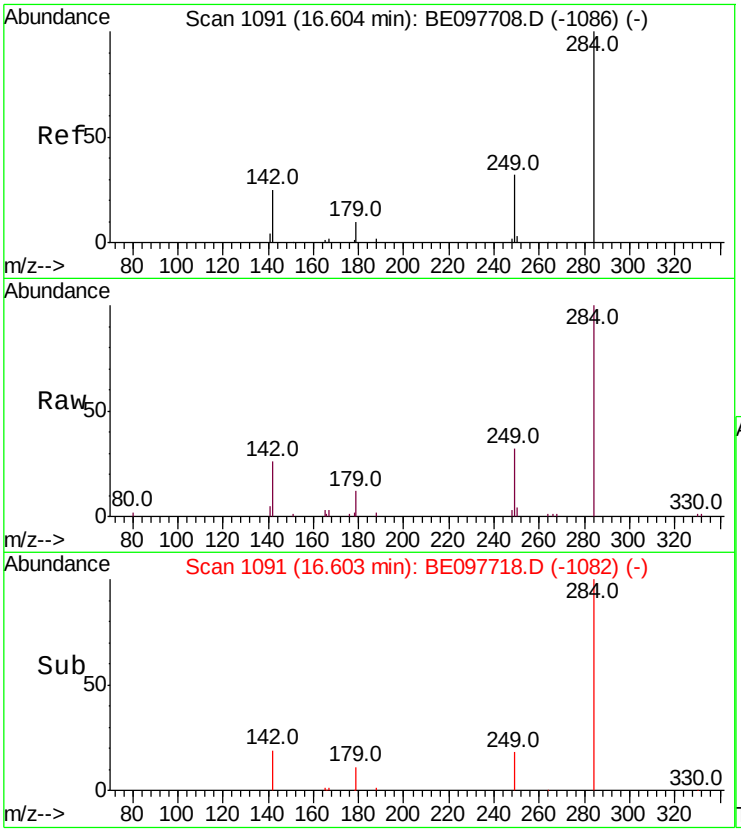


#20
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.50 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:248 Resp: 6142

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.1	114.1
141	53.7	42.2	63.4



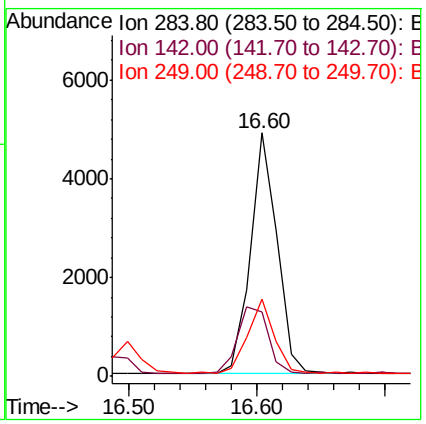


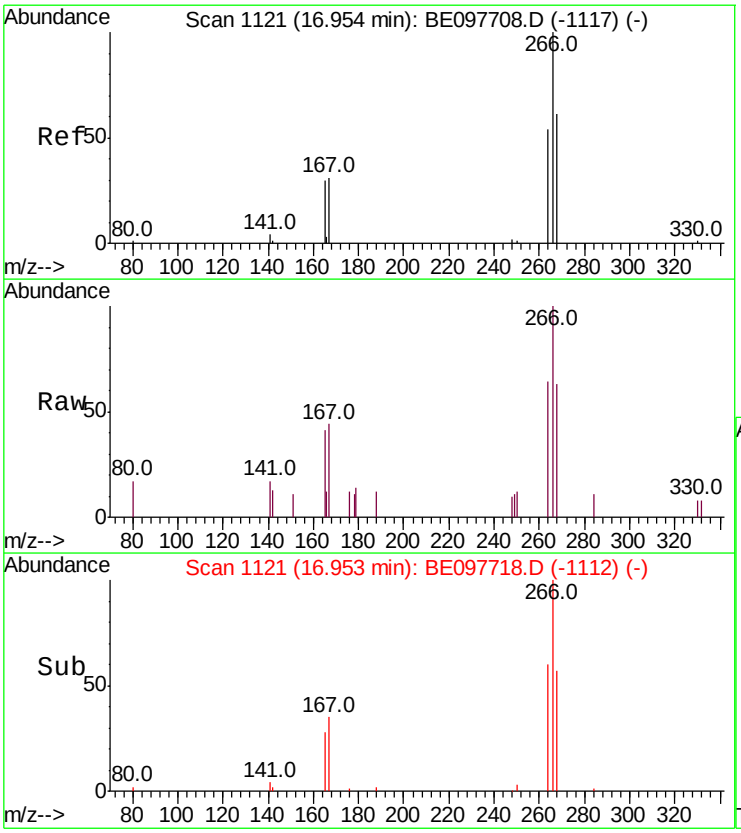
#21
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 7072

Ion	Ratio	Lower	Upper
284	100		
142	31.7	24.9	37.3
249	30.1	25.8	38.8

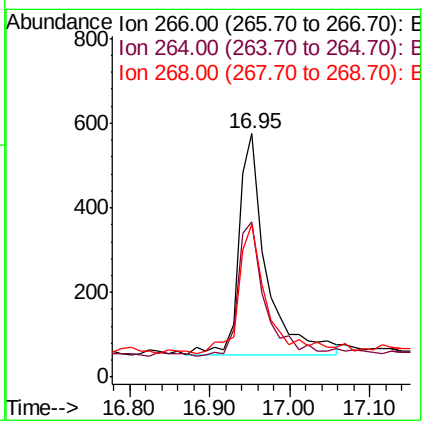


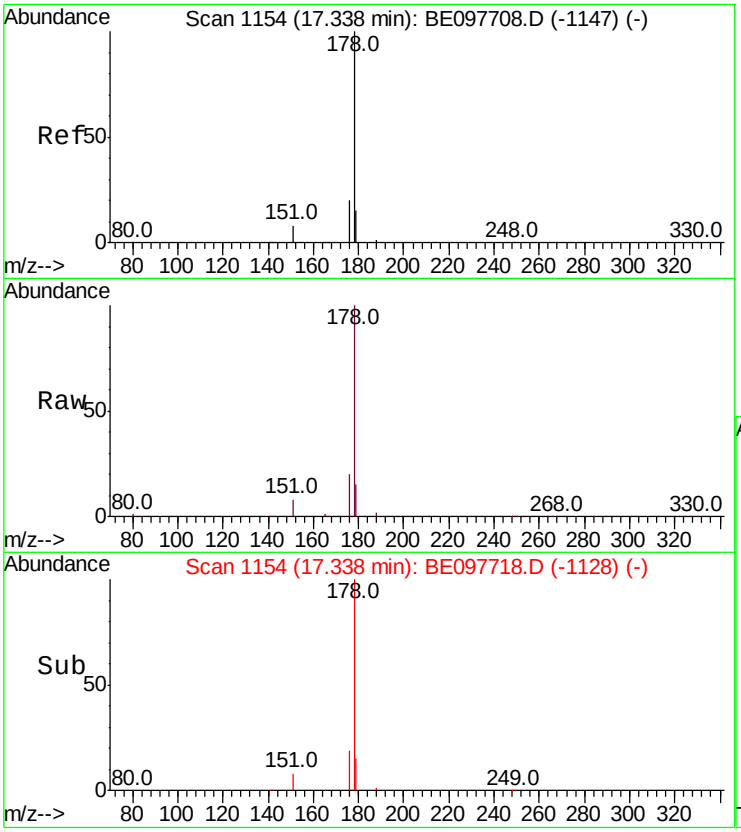


#22
Pentachlorophenol
Concen: 0.430 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:266 Resp: 1222

Ion	Ratio	Lower	Upper
266	100		
264	63.7	46.8	70.2
268	62.8	53.0	79.6



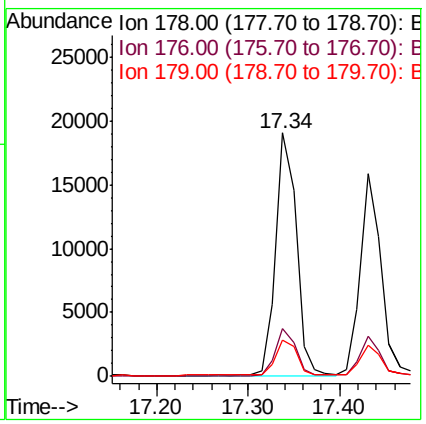


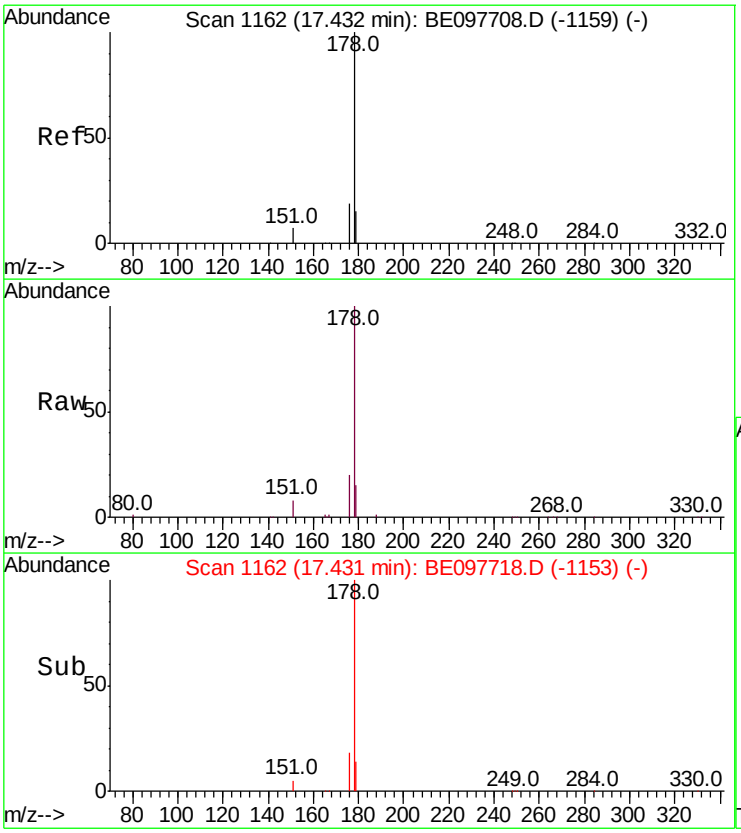
#23
Phenanthrene
Concen: 0.376 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 29748

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.2	18.4

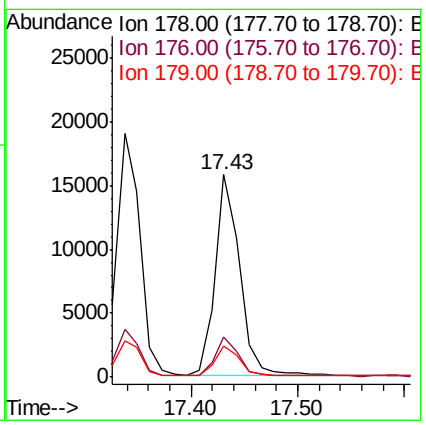


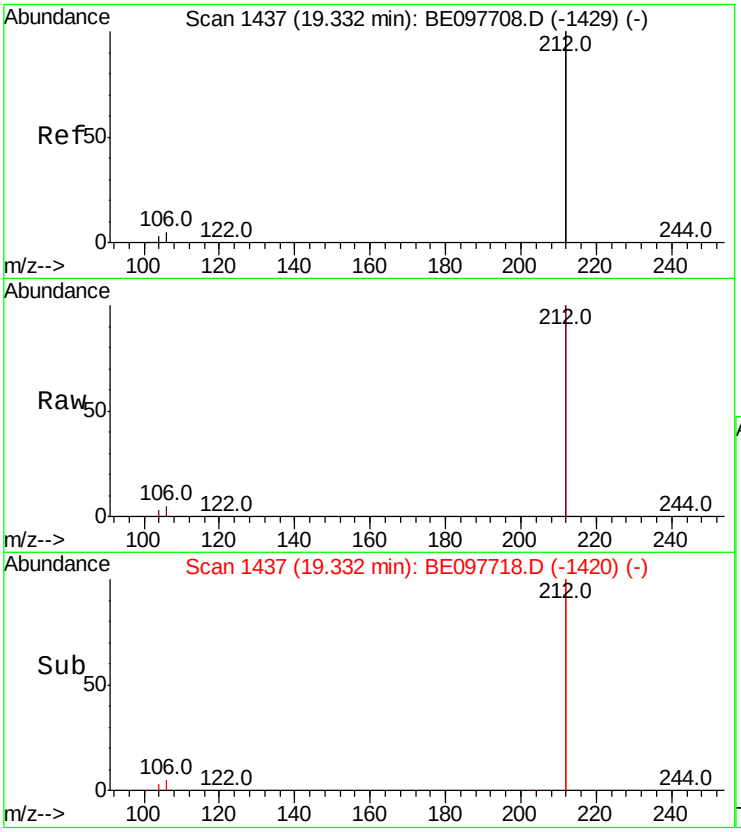


#24
Anthracene
Concen: 0.365 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:178 Resp: 24930

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	14.4	12.2	18.2



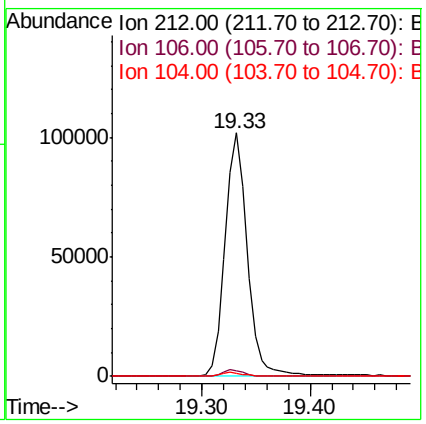


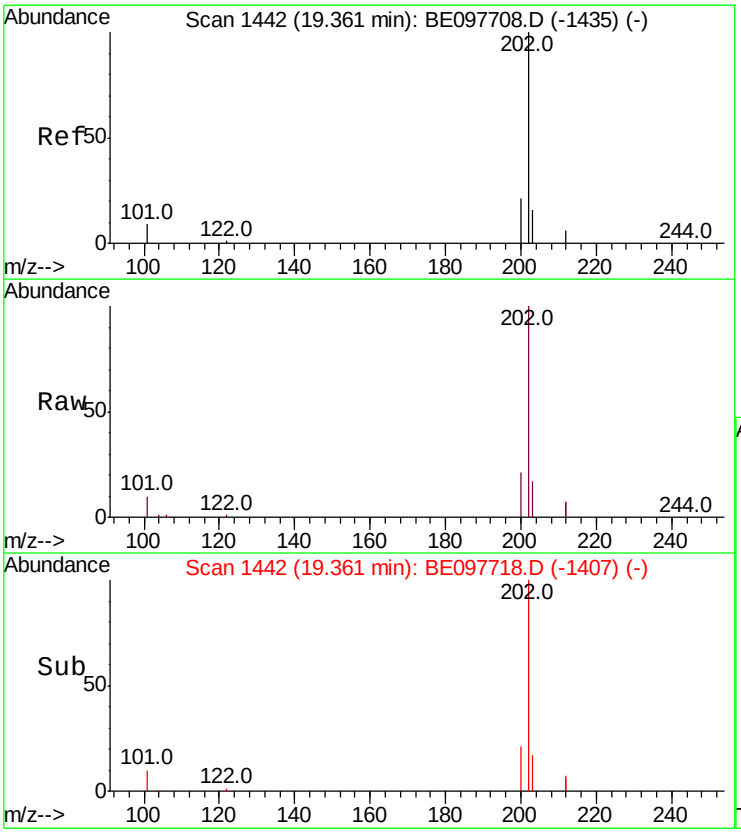
#25
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.33 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 143278

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.5	1.2	1.8

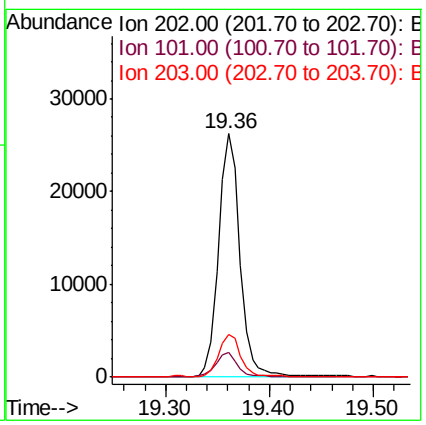


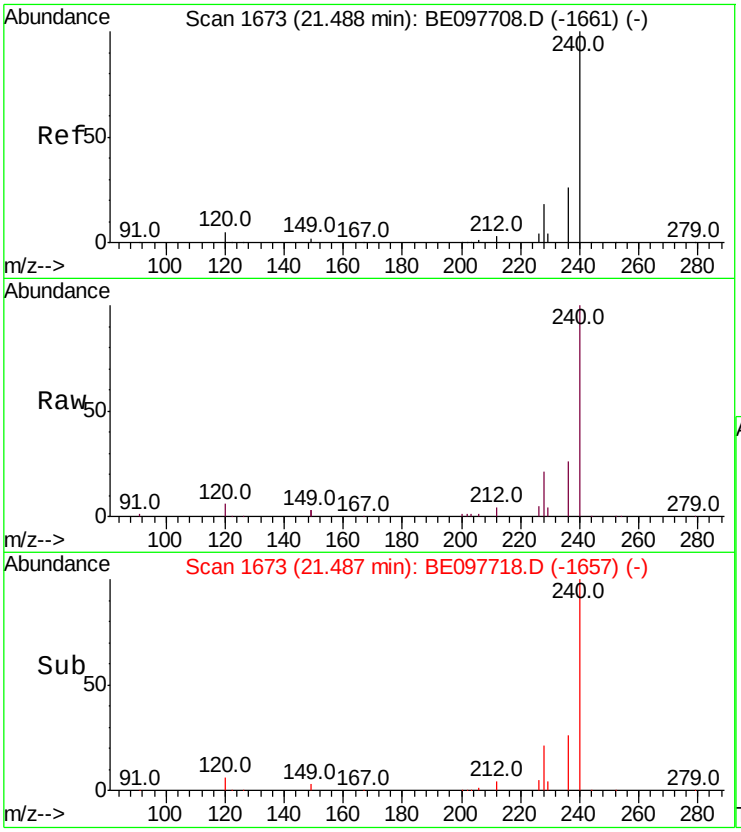


#26
Fluoranthene
Concen: 0.368 ng
RT: 19.36 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:202 Resp: 37121

Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.8	11.8
203	17.2	13.8	20.6



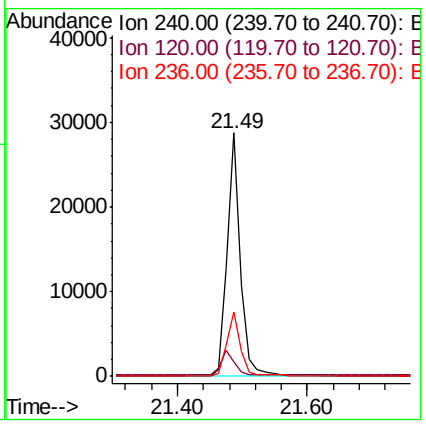


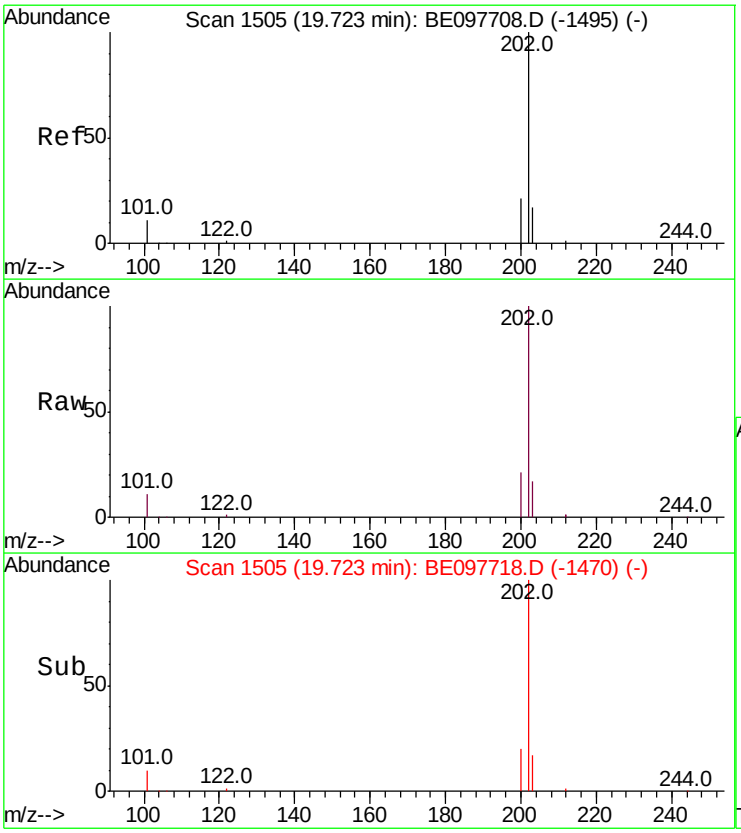
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 41223

Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.7	7.1
236	26.4	20.8	31.2

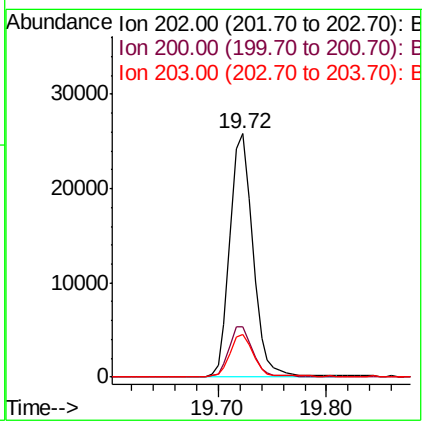


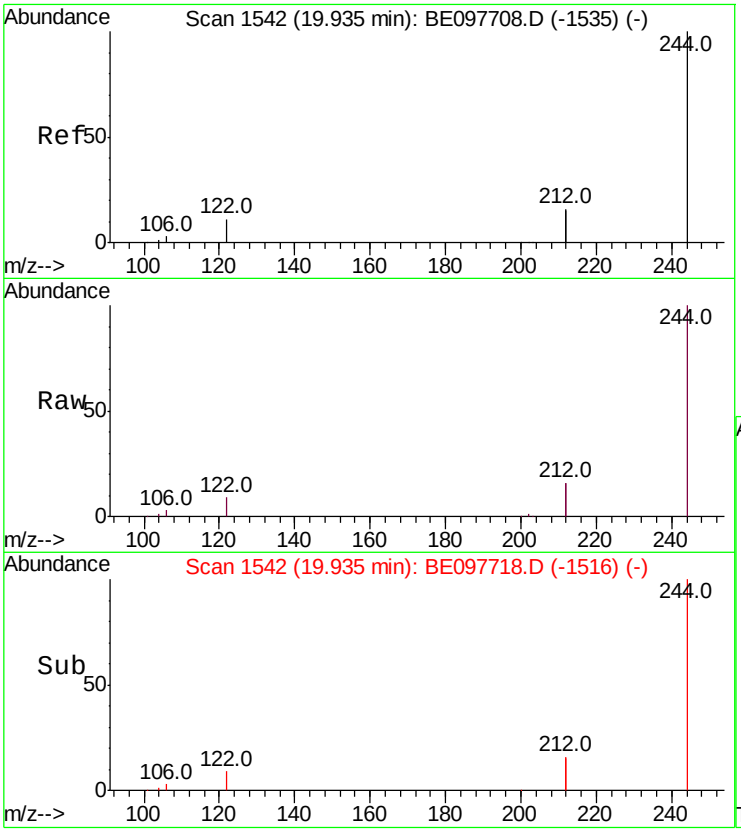


#28
Pyrene
Concen: 0.360 ng
RT: 19.72 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:202 Resp: 37714

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.4	13.9	20.9



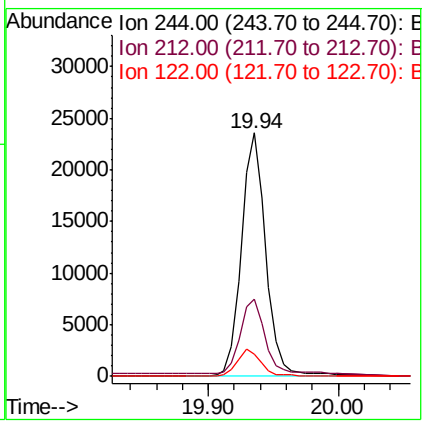


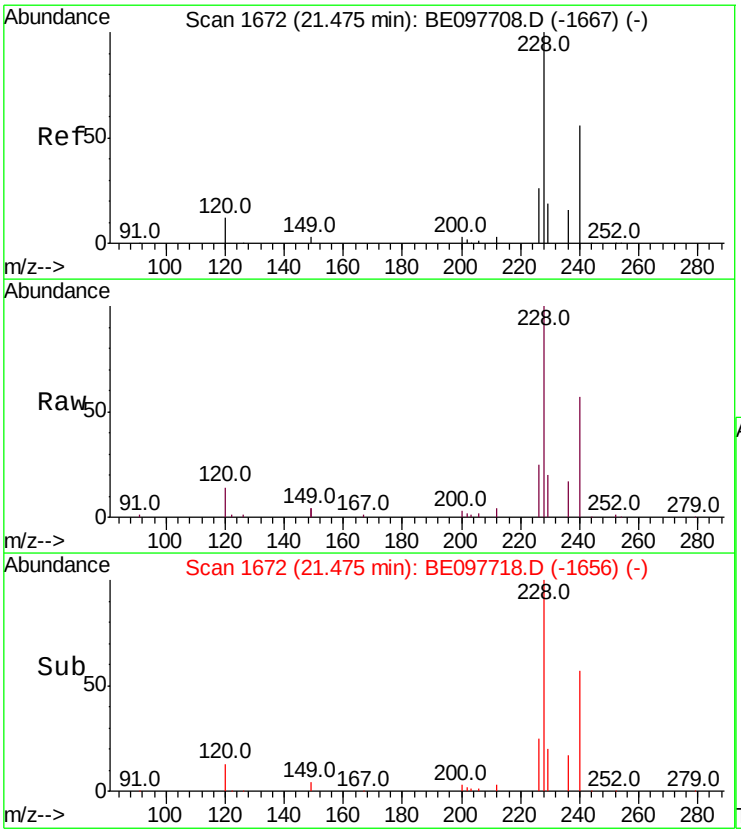
#29
Terphenyl-d14
Concen: 0.359 ng
RT: 19.94 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 30244

Ion	Ratio	Lower	Upper
244	100		
212	31.7	25.8	38.8
122	8.9	8.7	13.1

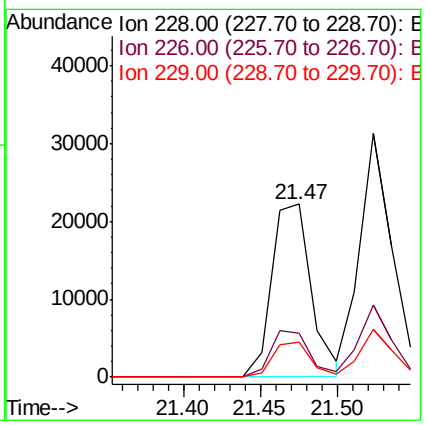


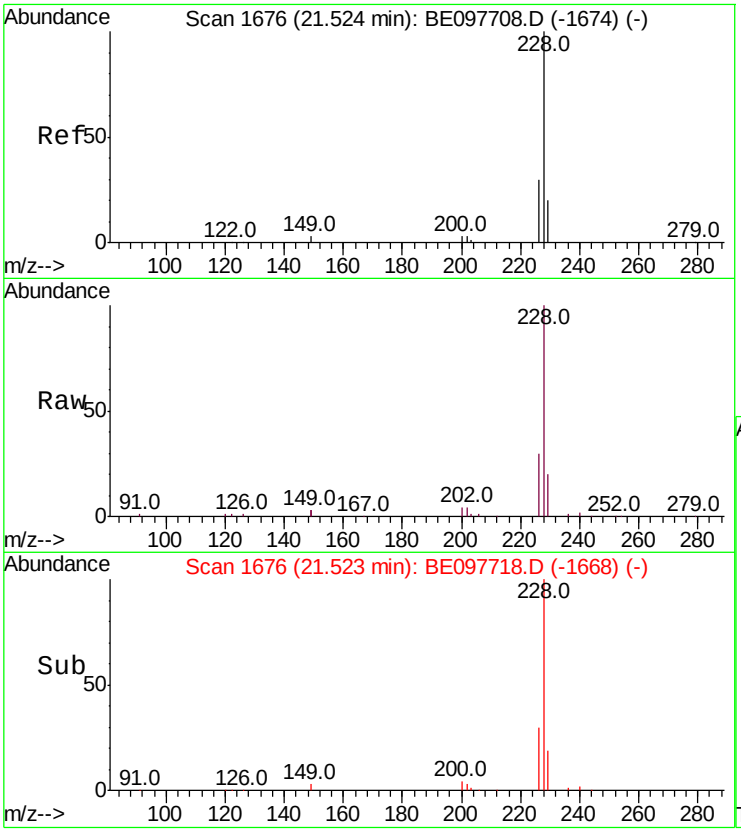


#30
Benzo(a)anthracene
Concen: 0.358 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:228 Resp: 39631

Ion	Ratio	Lower	Upper
228	100		
226	25.2	20.7	31.1
229	20.0	15.7	23.5



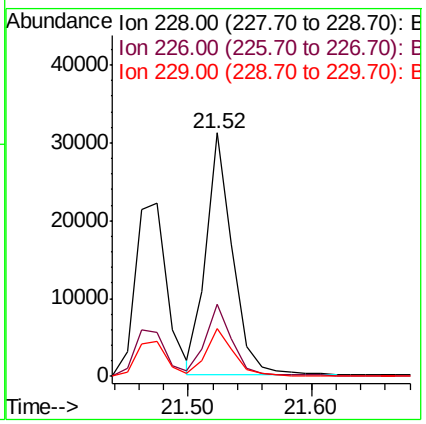


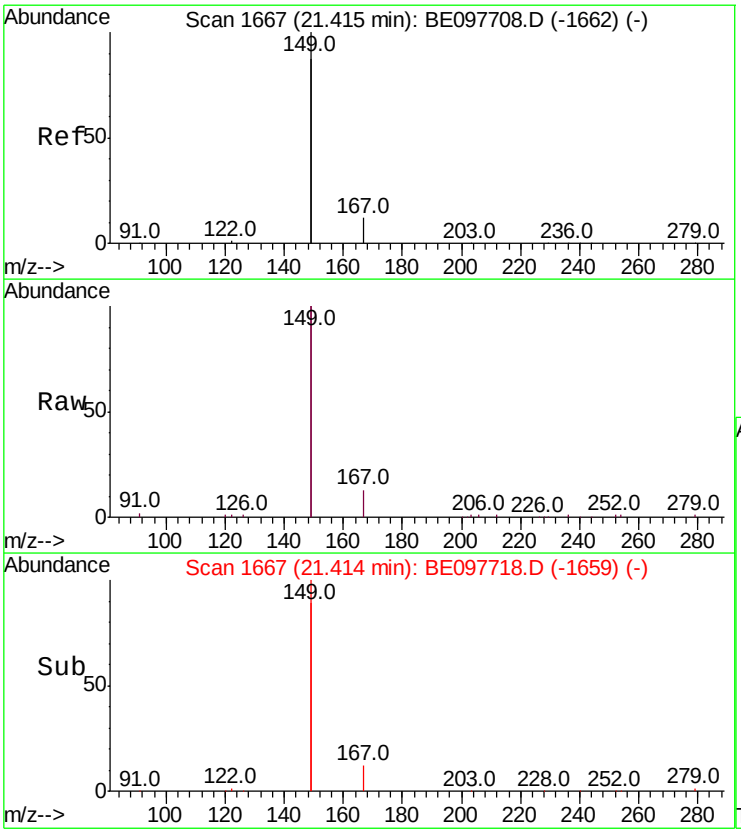
#31
Chrysene
Concen: 0.373 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 46249

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.5	16.0	24.0

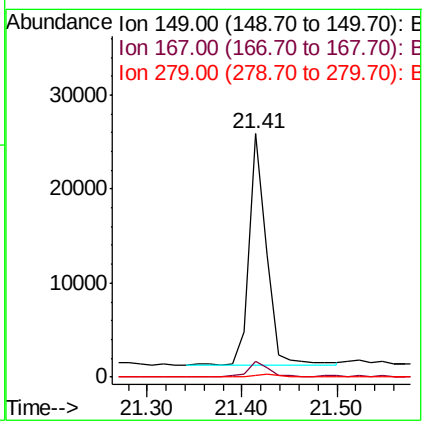


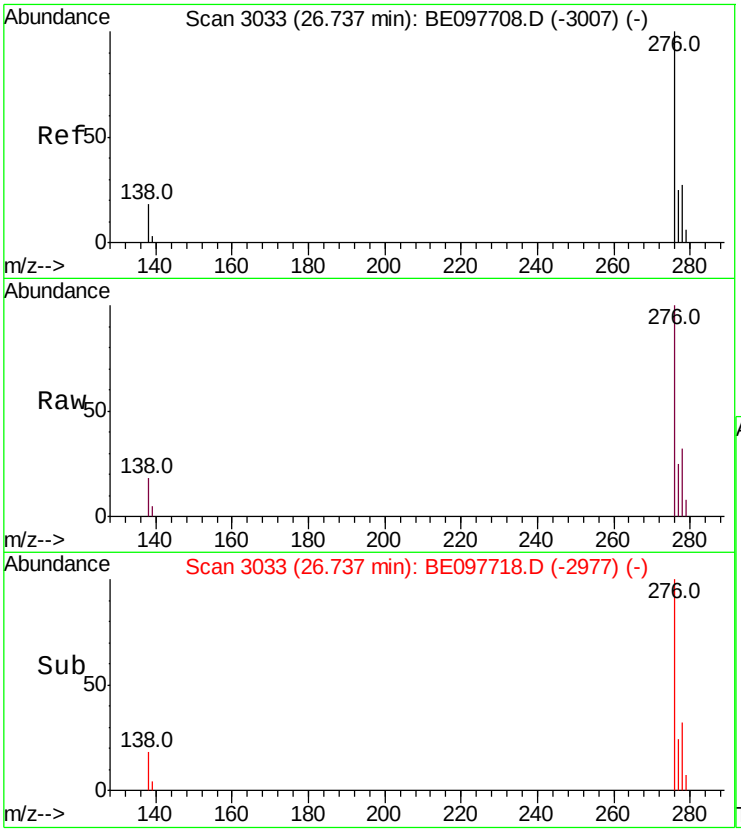


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.384 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:149 Resp: 31139

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.5	8.3
279	1.0	0.9	1.3



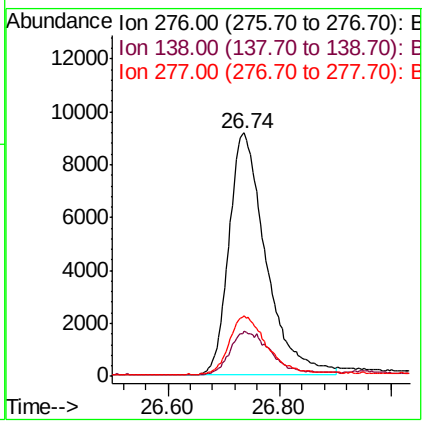


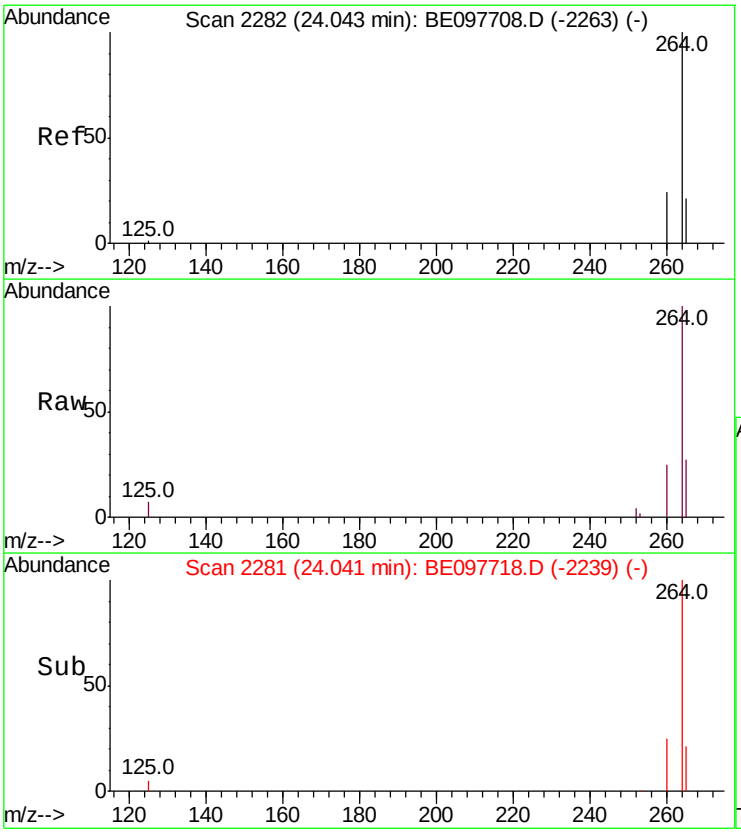
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 26.74 min Scan# 3033
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 42104

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.0	22.6
277	24.6	19.2	28.8

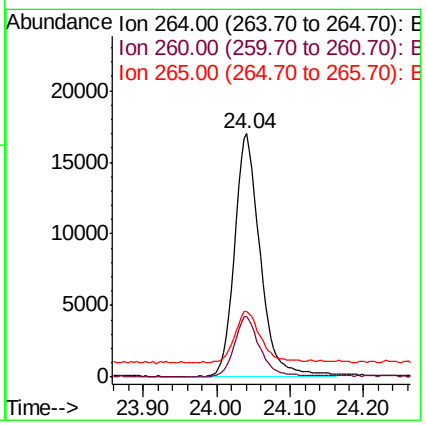


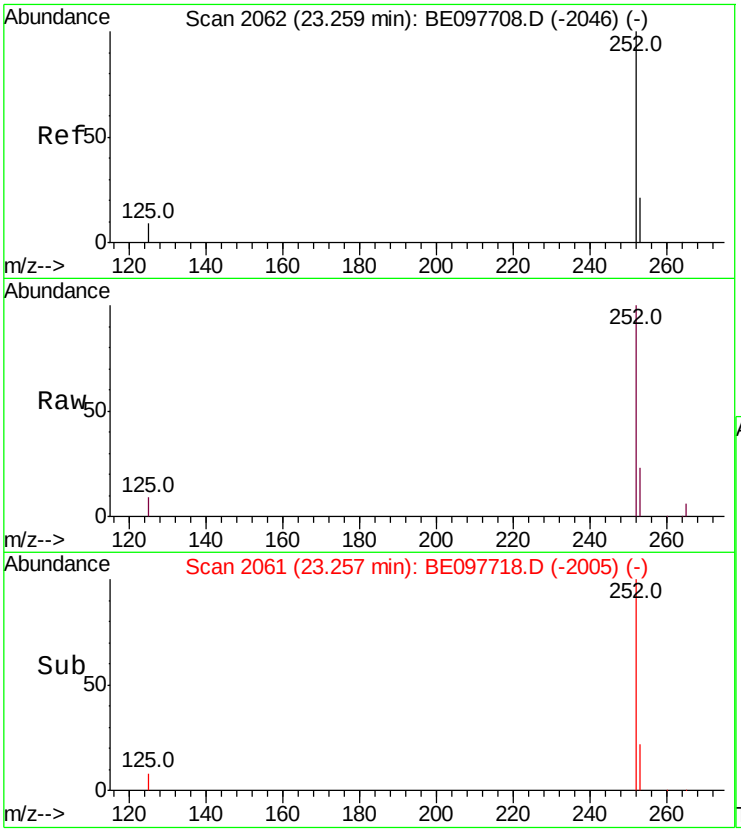


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.04 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:264 Resp: 40883

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.1	28.7
265	27.1	21.9	32.9



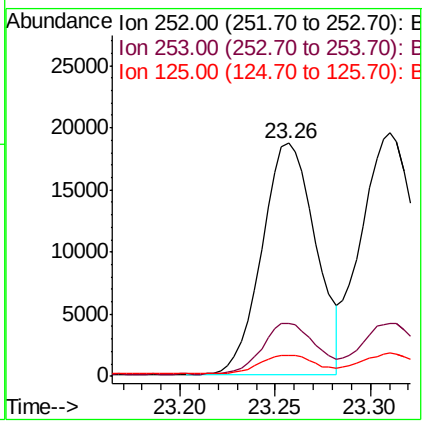


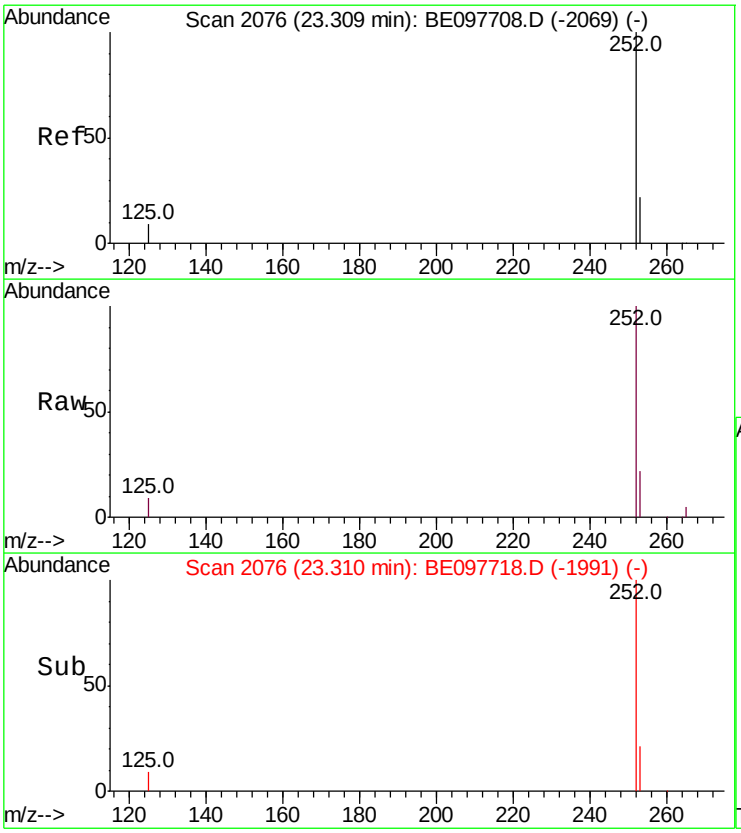
#35
Benzo(b)fluoranthene
Concen: 0.327 ng
RT: 23.26 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 36636

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	9.1	7.8	11.8

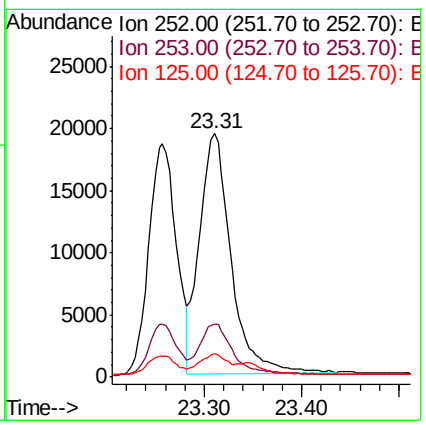


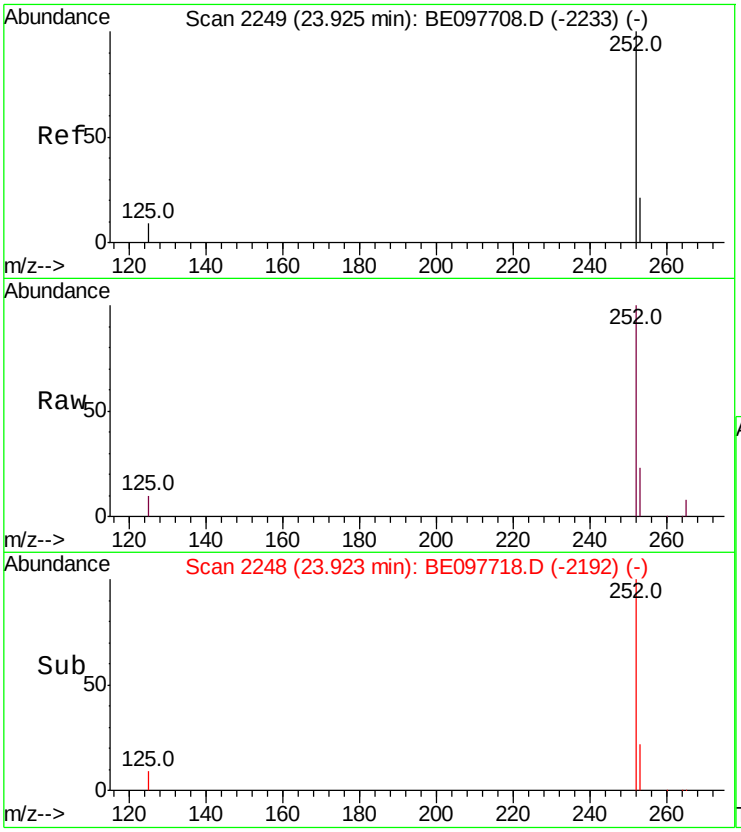


#36
Benzo(k)fluoranthene
Concen: 0.351 ng
RT: 23.31 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:252 Resp: 43676

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.5	7.5	11.3



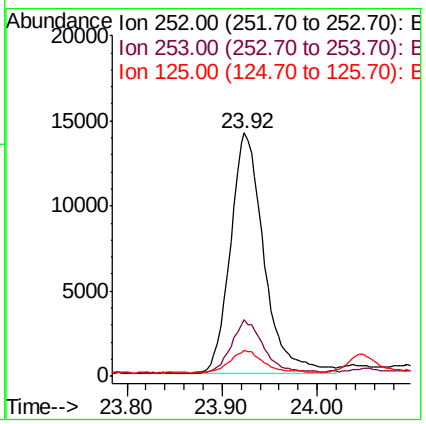


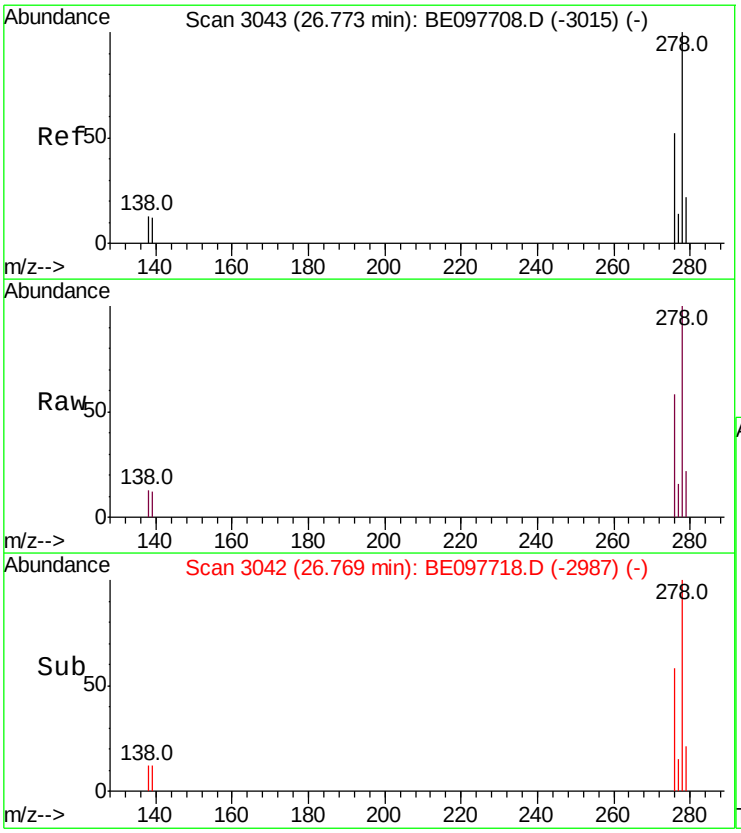
#37
Benzo(a)pyrene
Concen: 0.339 ng
RT: 23.92 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 34453

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.4	8.3	12.5

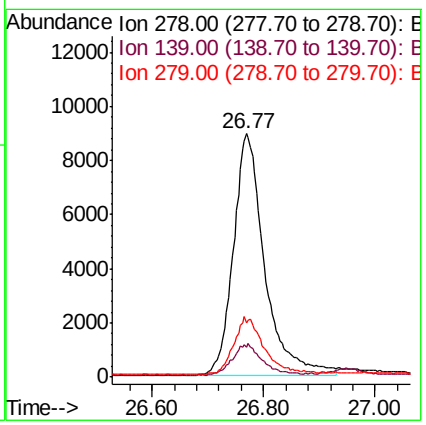


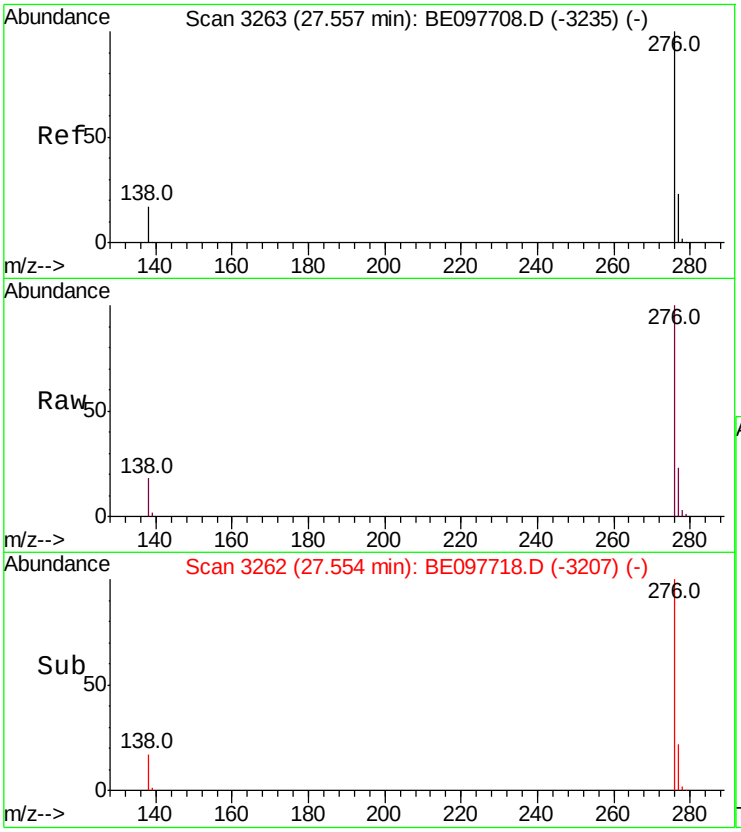


#38
Dibenzo(a,h)anthracene
Concen: 0.349 ng
RT: 26.77 min Scan# 3042
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Tgt Ion:278 Resp: 34889

Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.3	15.5
279	22.4	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 0.350 ng
RT: 27.55 min Scan# 3262
Delta R.T. -0.00 min
Lab File: BE097718.D
Acq: 3 Oct 2018 19:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 36593

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	18.3	14.2	21.2