Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
Data File : BE097914.D
Acq On : 16 Oct 2018 17:38
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Oct 17 02:19:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 15:36:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1618	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	6956	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	4393	0.40	ng		0.00
19) Phenanthrene-d10	17.30	188	11547	0.40	ng		0.00
27) Chrysene-d12	21.49	240	16293	0.40	ng		0.00
34) Perylene-d12	24.04	264	16107	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	2045	0.40	ng		0.00
5) Phenol-d6	7.06	99	2913	0.39	ng		0.00
8) Nitrobenzene-d5	9.04	82	2522	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	4626	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.04	330	1033	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.17	172	7000	0.39	ng		0.00
25) Fluoranthene-d10	19.33	212	65494	0.42	ng		0.00
29) Terphenyl-d14	19.92	244	19205	0.51	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	1263	0.448	ng		91
3) n-Nitrosodimethylamine	3.69	42	1133	0.360	ng	#	95
6) bis(2-Chloroethyl)ether	7.31	93	2407	0.376	ng		89
9) Naphthalene	10.74	128	28636	0.413	ng		100
10) Hexachlorobutadiene	11.03	225	1569	0.420	ng		94
12) 2-Methylnaphthalene	12.37	142	4662	0.393	ng		98
16) Acenaphthylene	14.27	152	7979	0.393	ng		99
17) Acenaphthene	14.62	154	4941	0.398	ng		99
18) Fluorene	15.60	166	6862	0.402	ng		100
20) 4-Bromophenyl-phenylether	16.49	248	2622	0.416	ng		92
21) Hexachlorobenzene	16.62	284	2559	0.412	ng		98
22) Pentachlorophenol	16.96	266	566	0.381	ng		93
23) Phenanthrene	17.34	178	12052	0.411	ng		100
24) Anthracene	17.43	178	11147	0.402	ng		99
26) Fluoranthene	19.36	202	16313	0.424	ng		97
28) Pyrene	19.72	202	18022	0.383	ng		99
30) Benzo(a)anthracene	21.46	228	20419	0.409	ng		98
31) Chrysene	21.52	228	19478	0.412	ng		97
32) Bis(2-ethylhexyl)phthalate	21.39	149	47083	0.407	ng		100
33) Indeno(1,2,3-cd)pyrene	26.74	276	21087	0.405	ng		99
35) Benzo(b)fluoranthene	23.25	252	18602	0.401	ng	#	95
36) Benzo(k)fluoranthene	23.31	252	19476	0.403	ng	#	95
37) Benzo(a)pyrene	23.92	252	18669	0.413	ng		95
38) Dibenzo(a,h)anthracene	26.77	278	17486	0.395	ng		97
39) Benzo(g,h,i)perylene	27.57	276	17759	0.392	ng		97

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

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Acq On : 16 Oct 2018 17:38
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 17 02:19:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 15:36:44 2018
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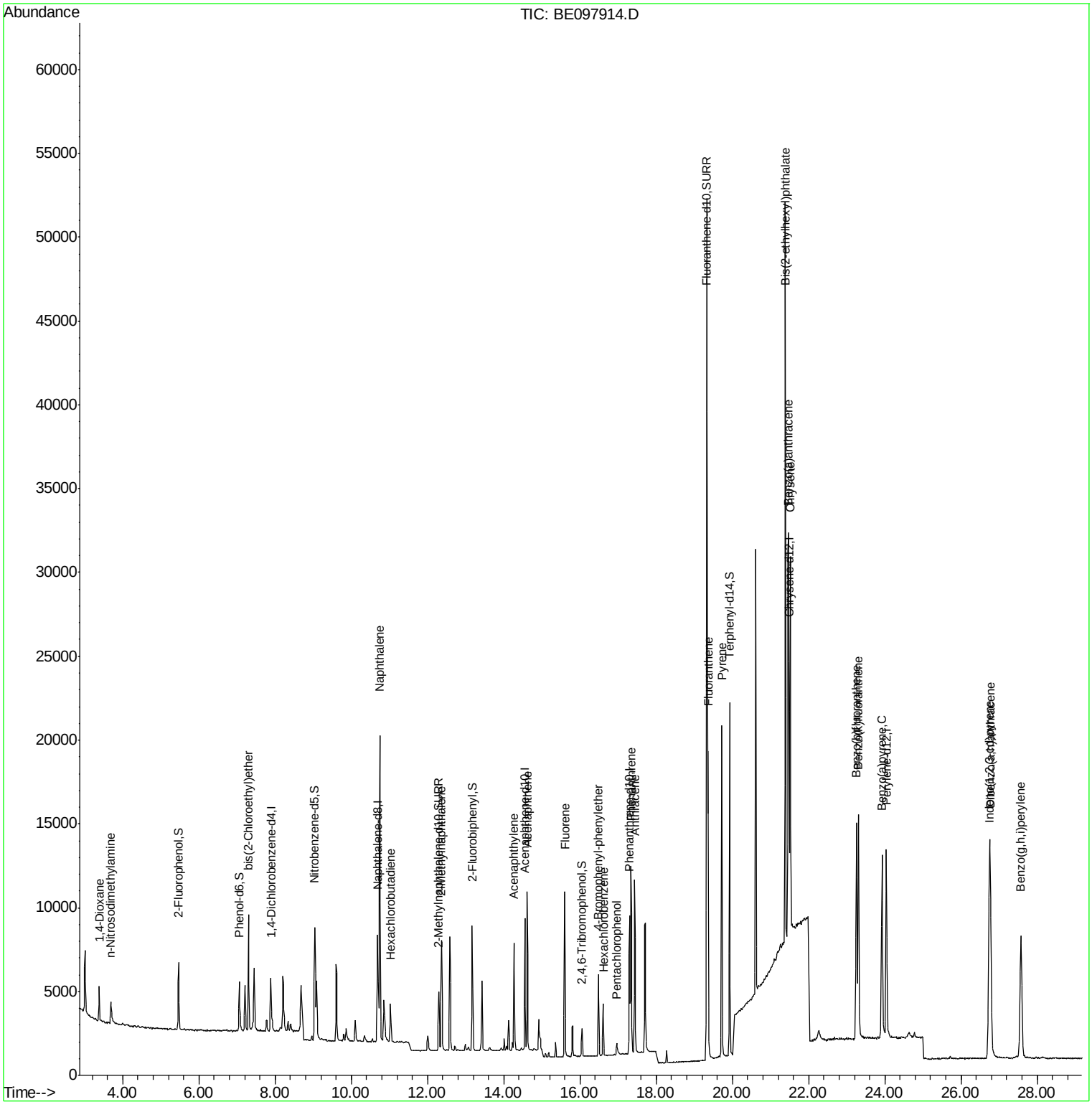
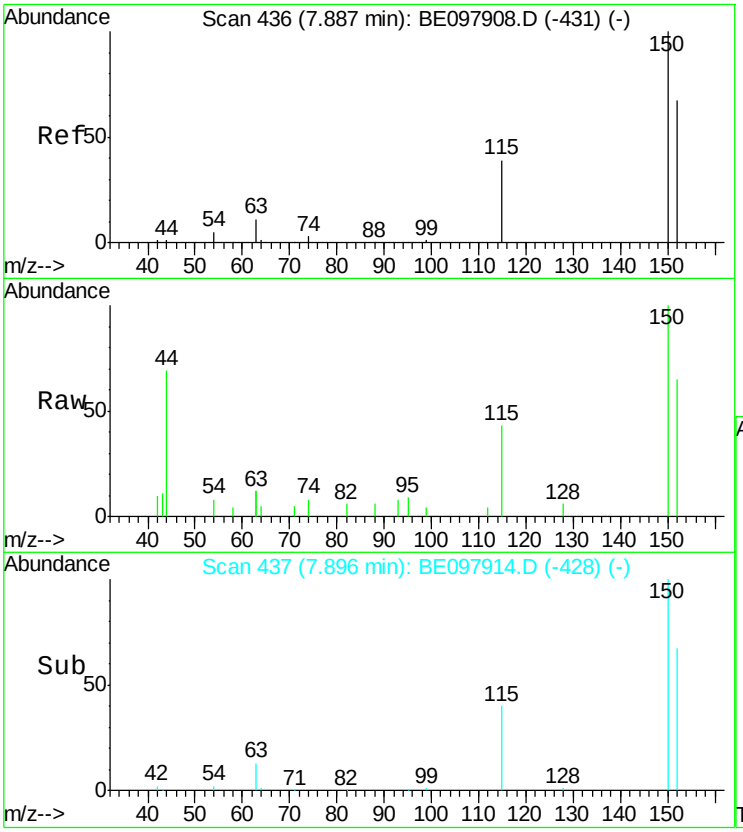


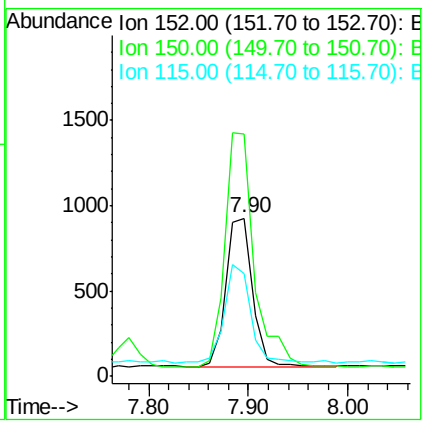


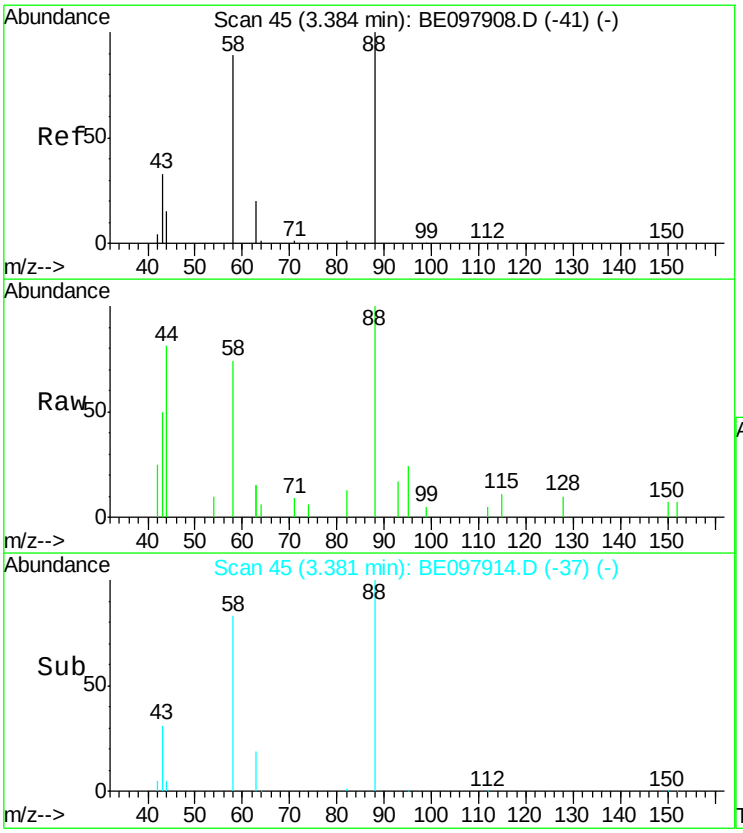
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1618

Ion	Ratio	Lower	Upper
152	100		
150	153.5	118.2	177.4
115	65.2	50.9	76.3

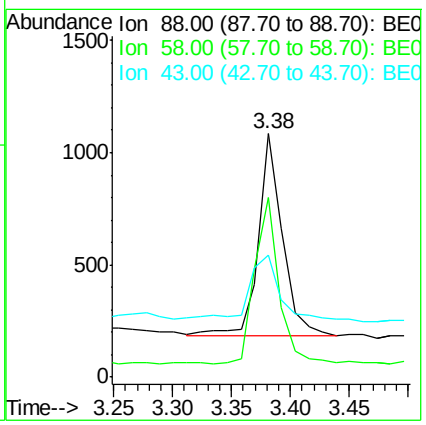


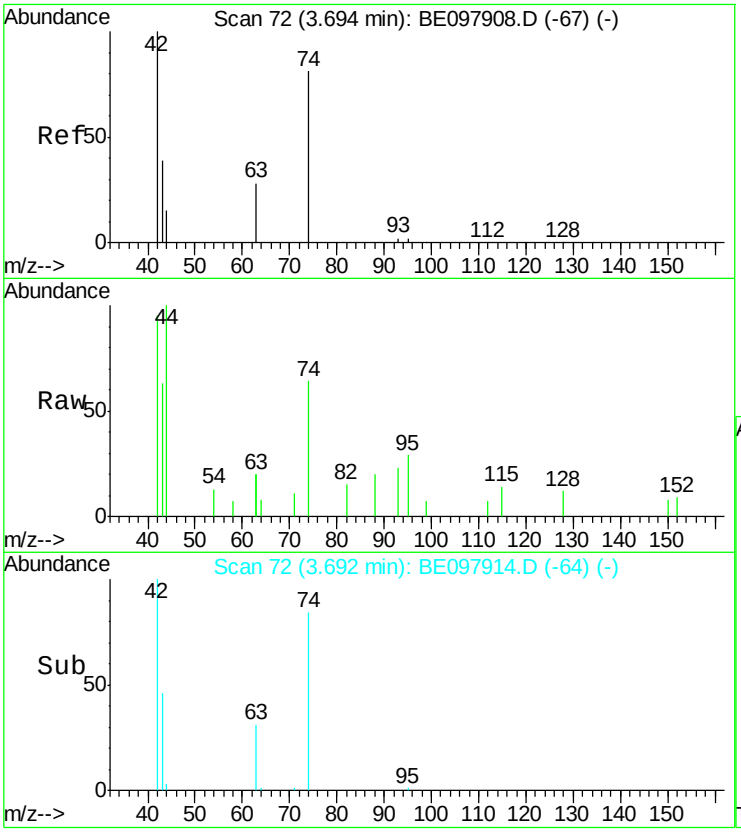


#2
1,4-Dioxane
Concen: 0.448 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion: 88 Resp: 1263

Ion	Ratio	Lower	Upper
88	100		
58	83.7	73.2	109.8
43	38.2	36.9	55.3



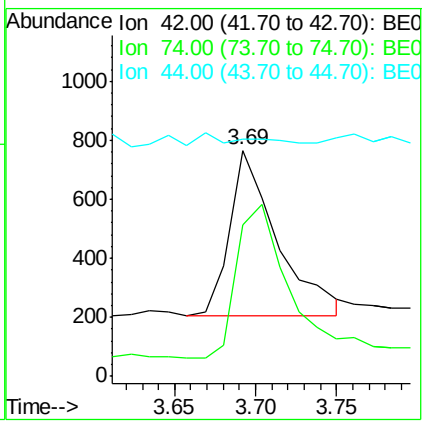


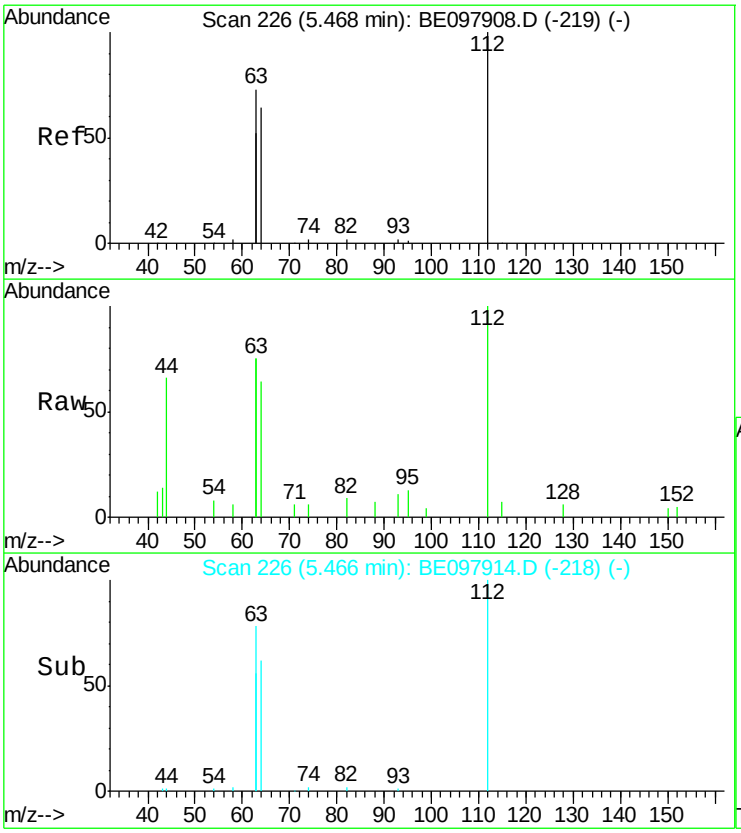
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1133

Ion	Ratio	Lower	Upper
42	100		
74	100.0	77.6	116.4
44	0.0	7.6	11.4#

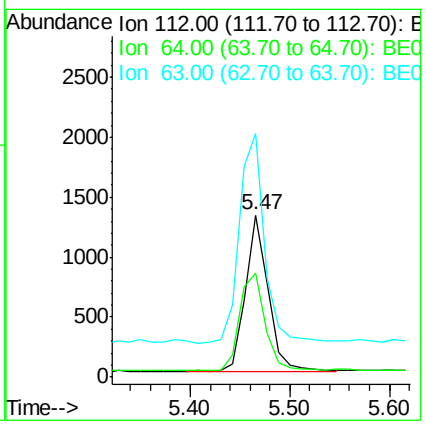


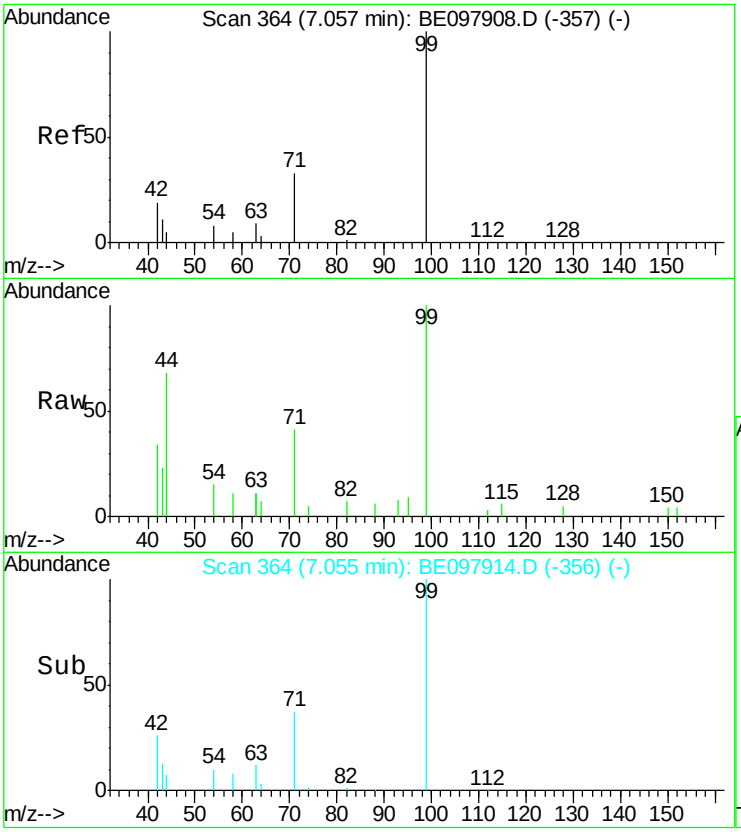


#4
2-Fluorophenol
Concen: 0.401 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:112 Resp: 2045

Ion	Ratio	Lower	Upper
112	100		
64	70.2	58.9	88.3
63	148.5	120.3	180.5



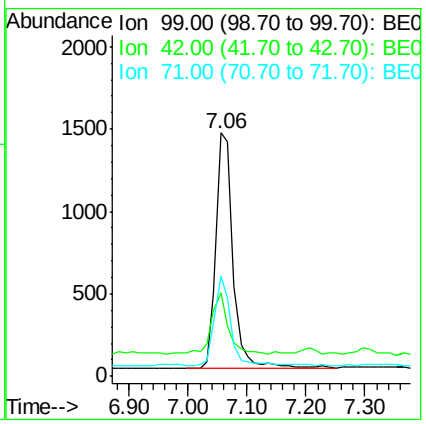


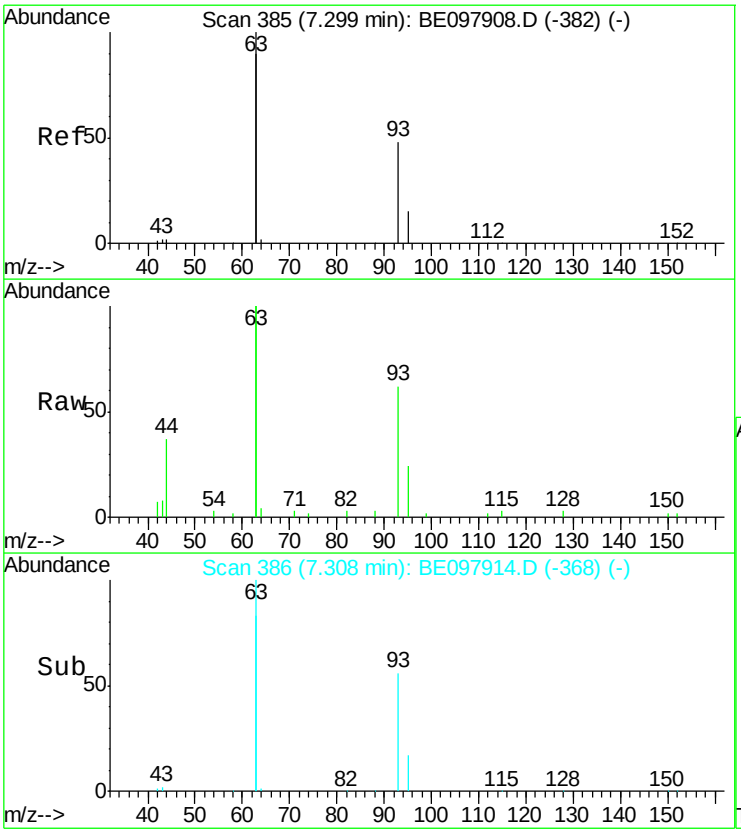
#5
Phenol-d6
Concen: 0.386 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2913

Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.9	29.9
71	35.1	27.8	41.8

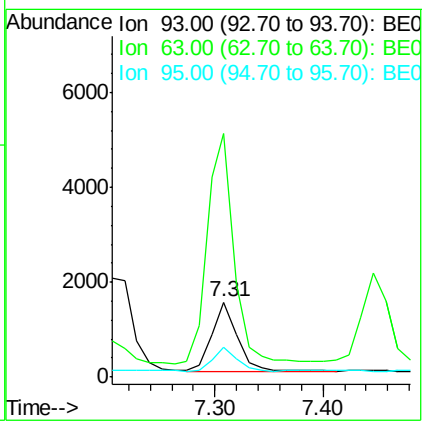


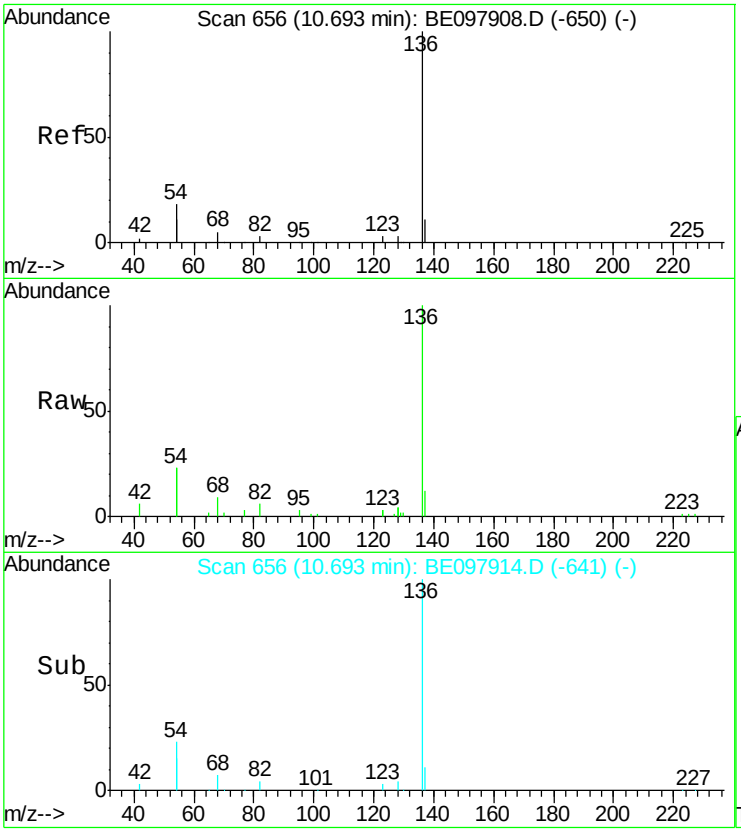


#6
bis(2-Chloroethyl)ether
Concen: 0.376 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion: 93 Resp: 2407

Ion	Ratio	Lower	Upper
93	100		
63	347.5	259.0	388.4
95	31.8	27.8	41.8



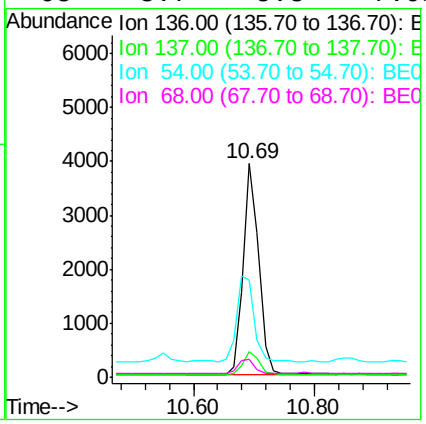


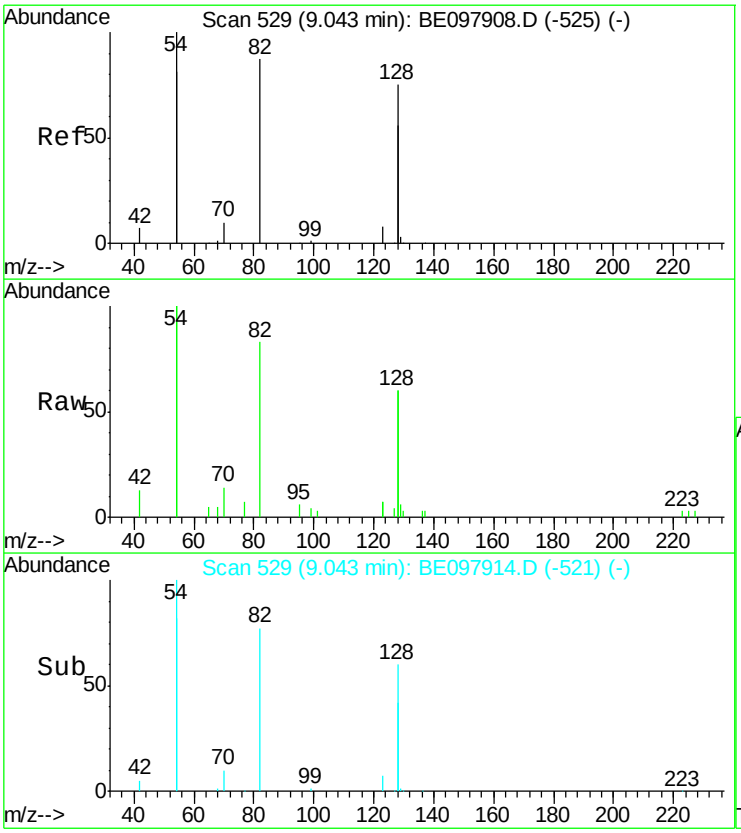
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6956

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.6	14.4
54	45.4	27.7	41.5#
68	8.7	5.3	7.9#

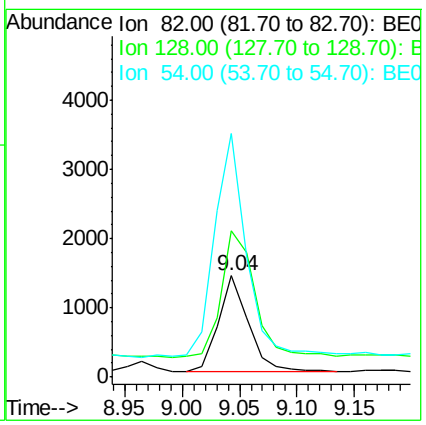


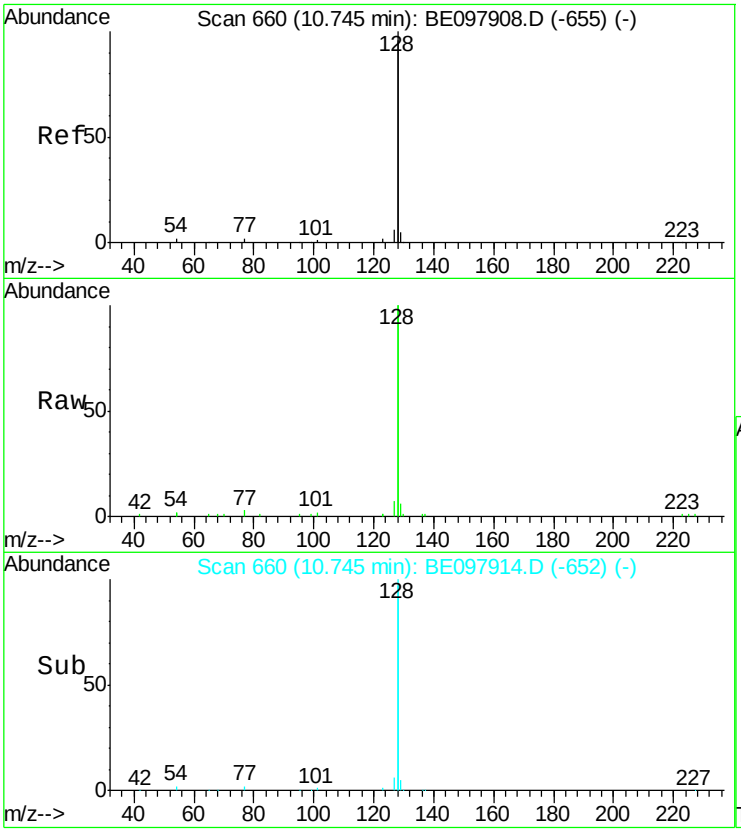


#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 9.04 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion: 82 Resp: 2522

Ion	Ratio	Lower	Upper
82	100		
128	145.1	129.9	194.9
54	240.8	174.0	261.0



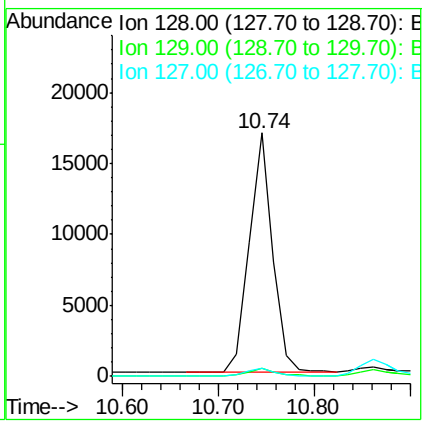


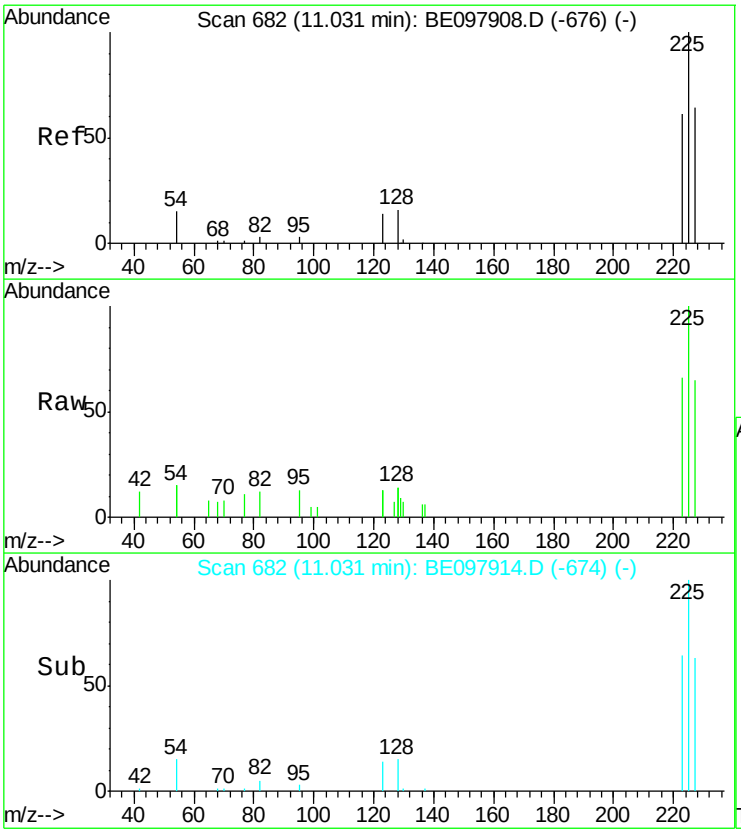
#9
Naphthalene
Concen: 0.413 ng
RT: 10.74 min Scan# 660
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 28636

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.5	3.7
127	3.5	2.8	4.2

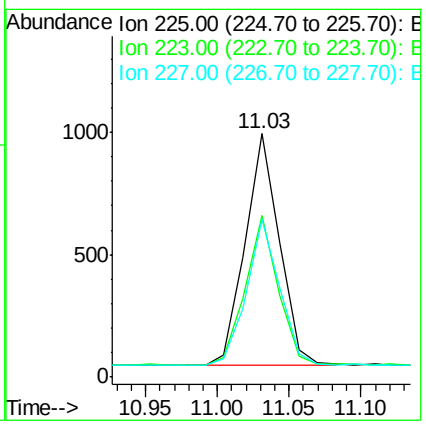


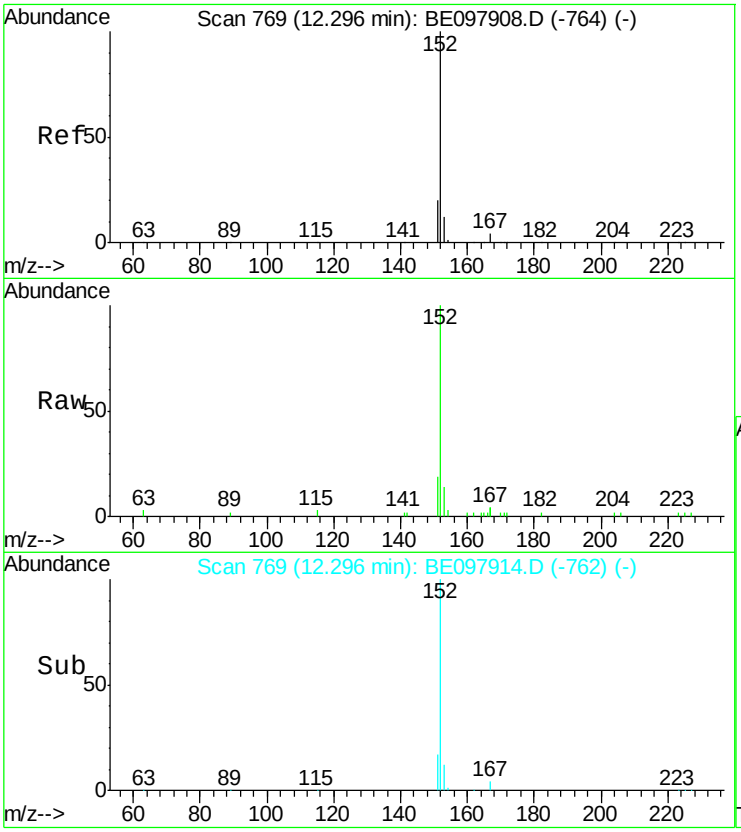


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:225 Resp: 1569

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



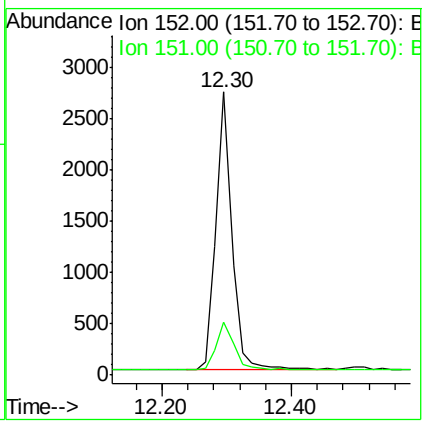


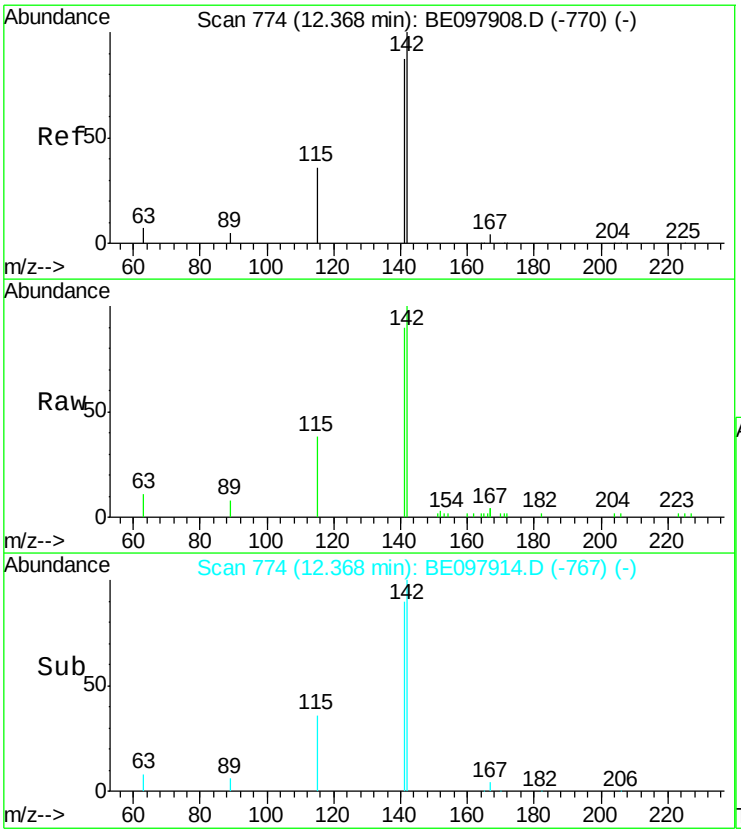
#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4626

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.4

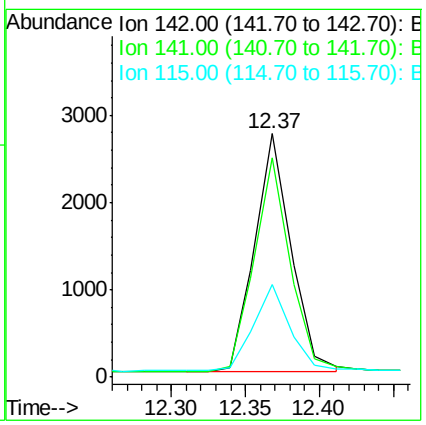


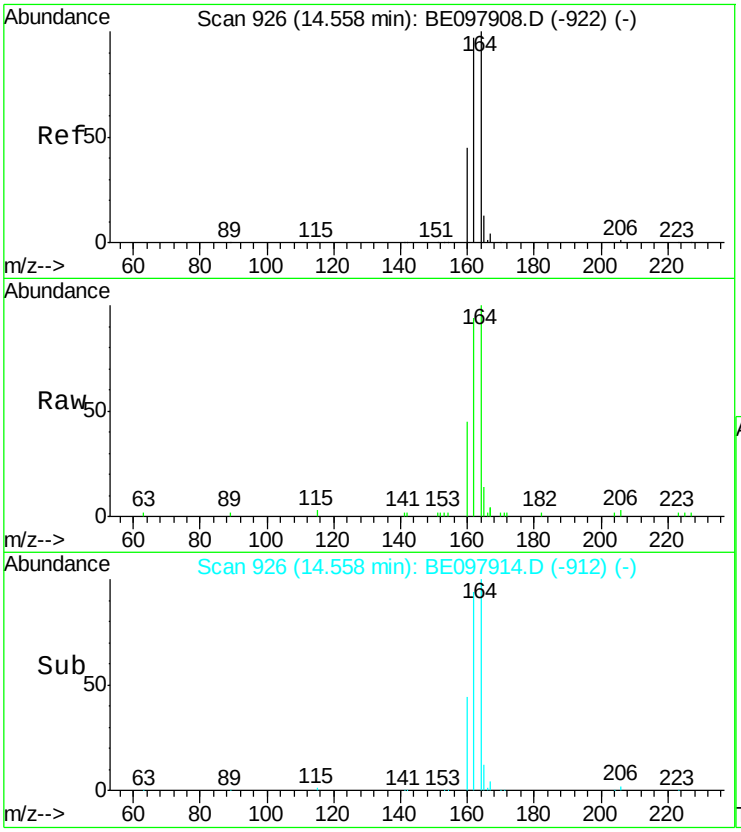


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:142 Resp: 4662

Ion	Ratio	Lower	Upper
142	100		
141	90.1	69.8	104.6
115	38.1	30.5	45.7



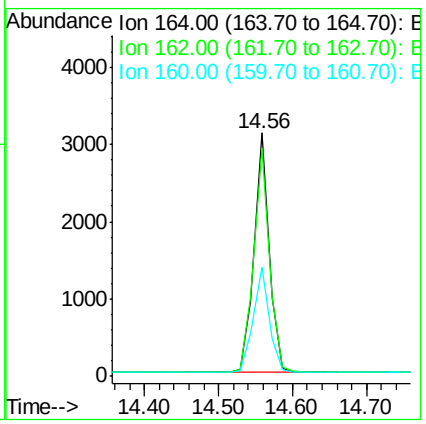


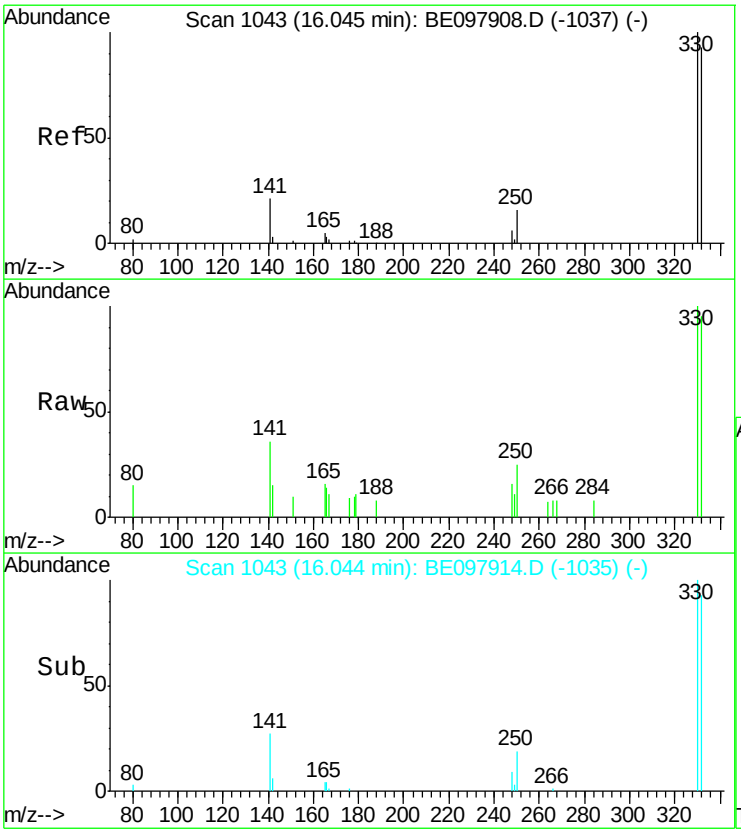
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4393

Ion	Ratio	Lower	Upper
164	100		
162	93.7	77.4	116.2
160	44.7	36.5	54.7

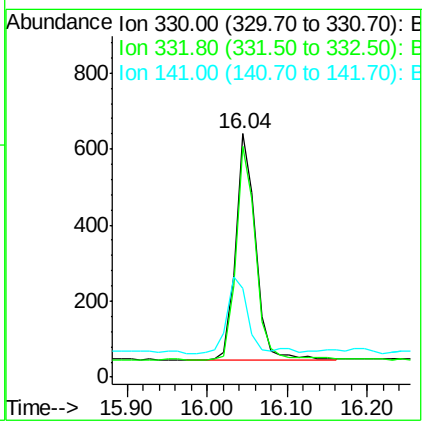


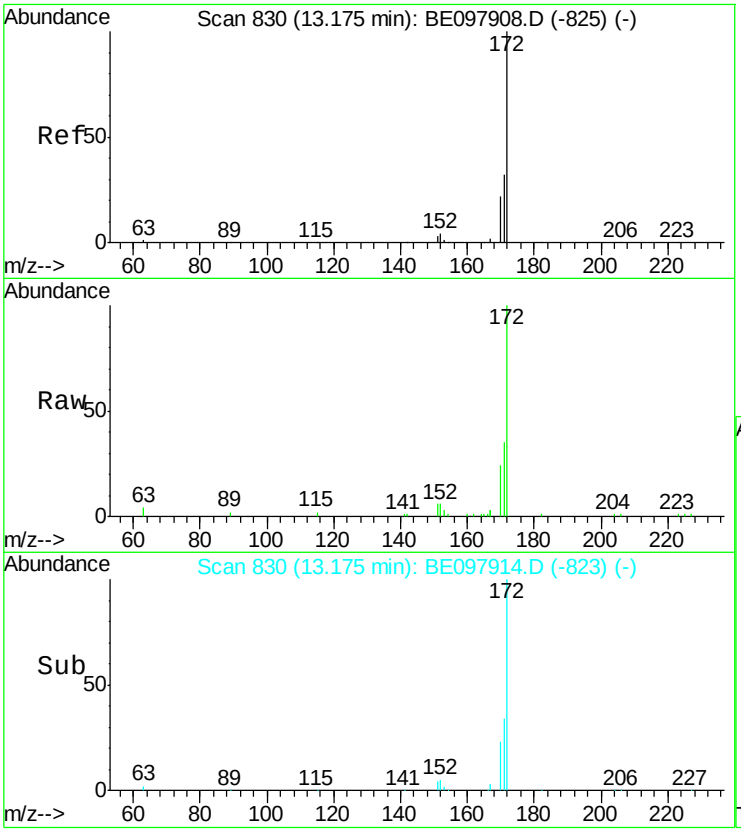


#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:330 Resp: 1033

Ion	Ratio	Lower	Upper
330	100		
332	91.3	76.5	114.7
141	34.8	31.8	47.6



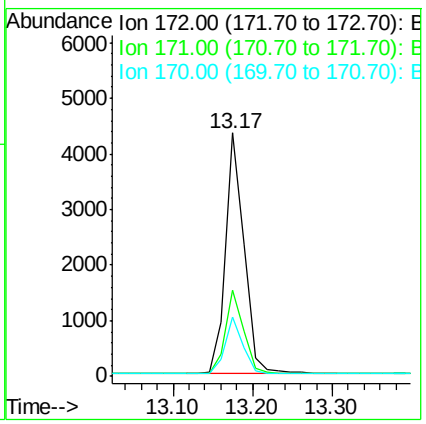


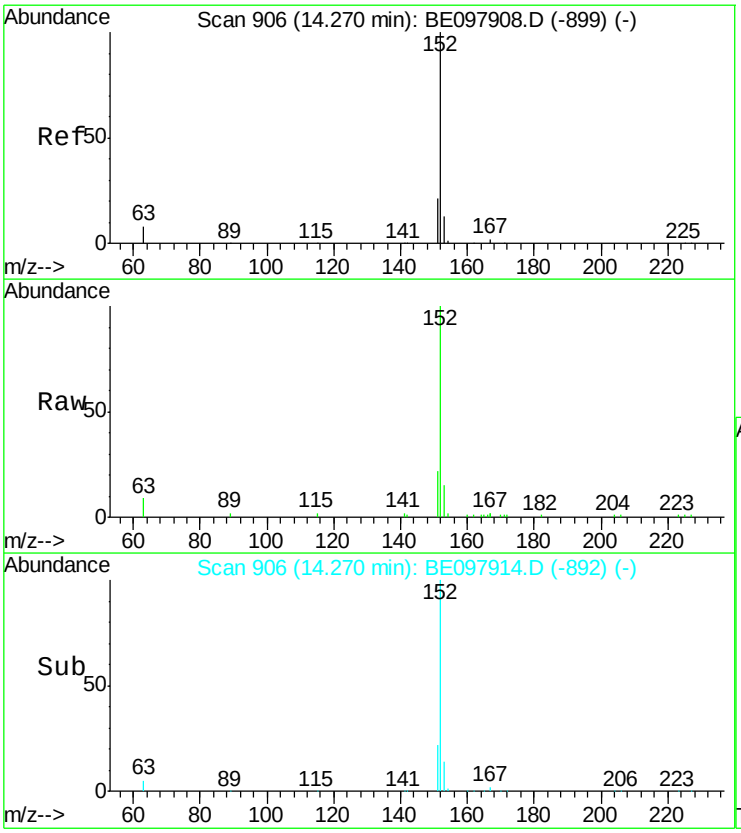
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7000

Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.0	39.0
170	24.3	18.0	27.0

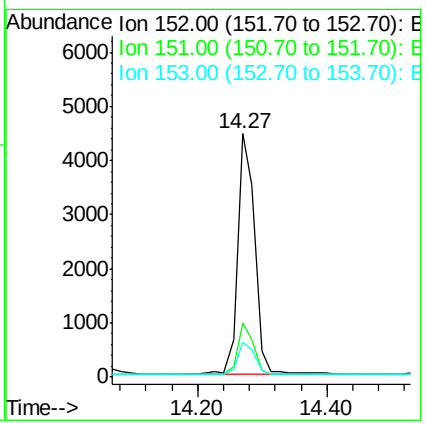


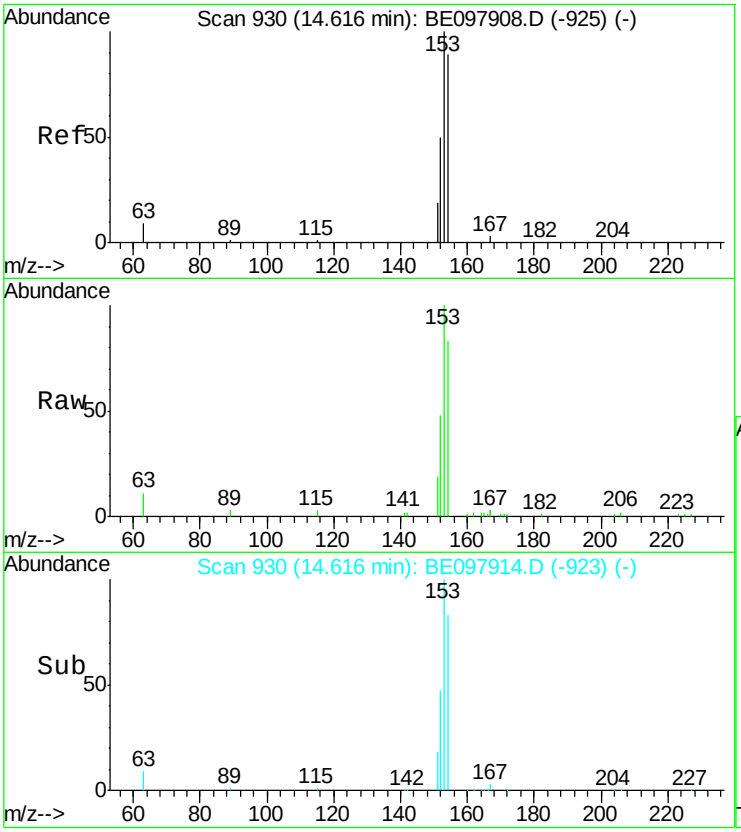


#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:152 Resp: 7979

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.2	10.9	16.3



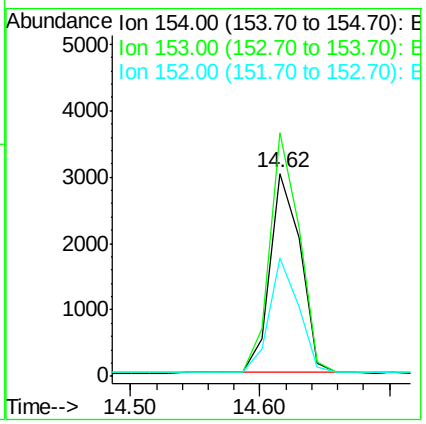


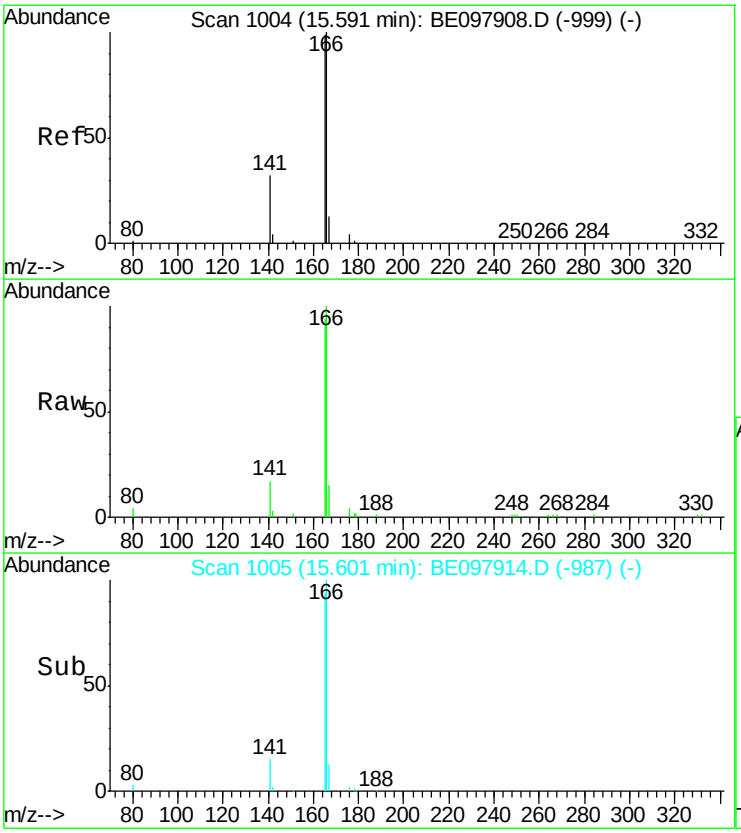
#17
Acenaphthene
Concen: 0.398 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4941

Ion	Ratio	Lower	Upper
154	100		
153	116.6	92.6	139.0
152	54.9	45.5	68.3

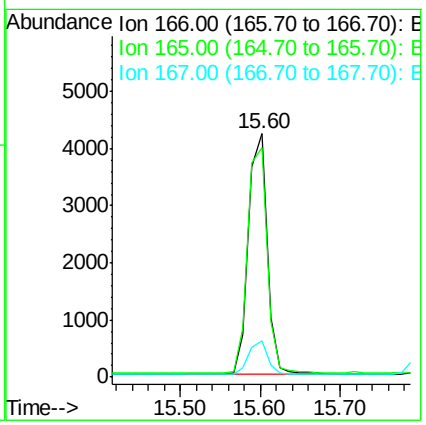


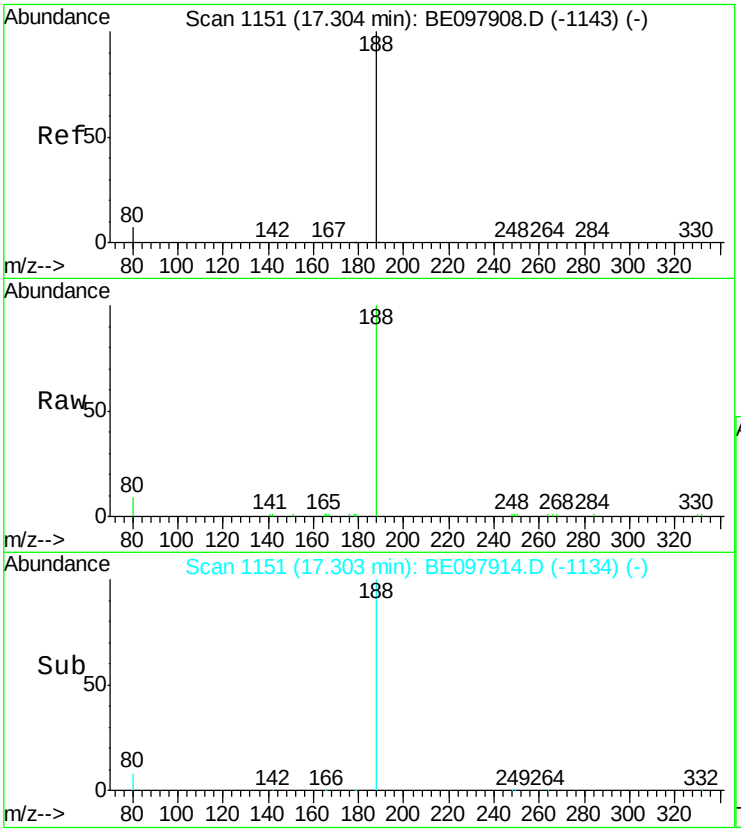


#18
Fluorene
Concen: 0.402 ng
RT: 15.60 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:166 Resp: 6862

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.4
167	13.4	11.0	16.6



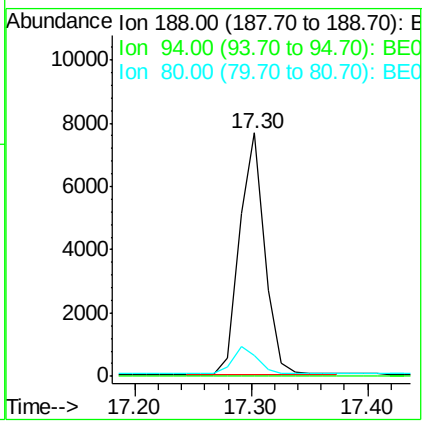


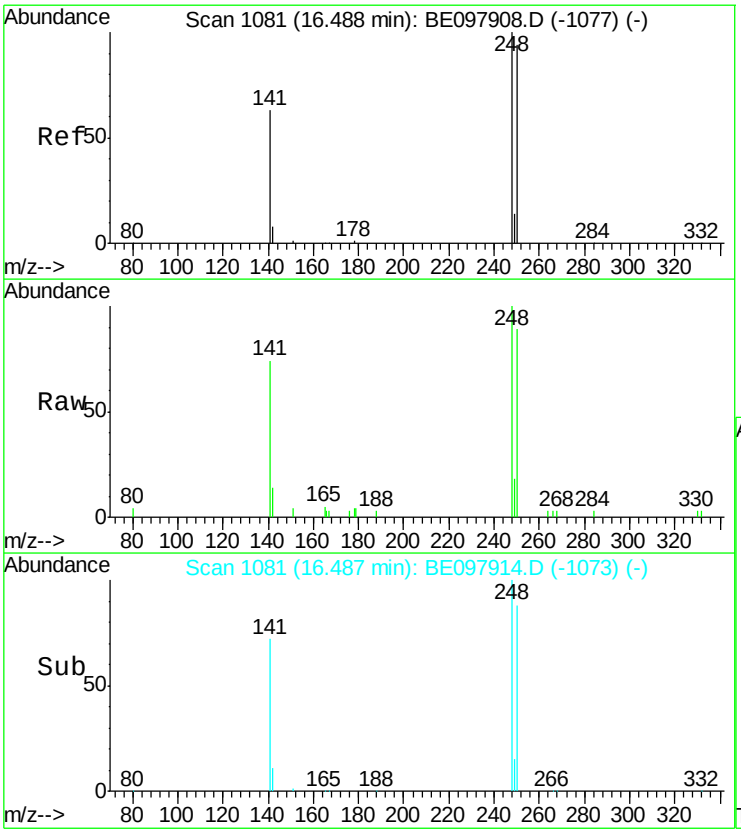
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 11547

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	6.3	9.5

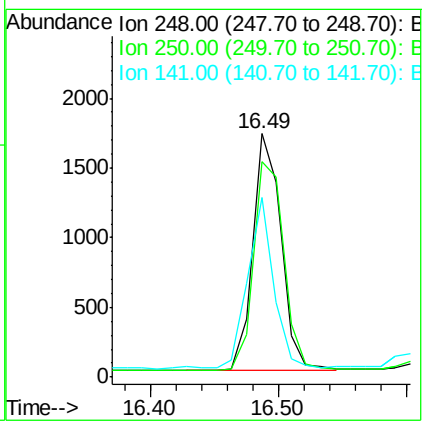


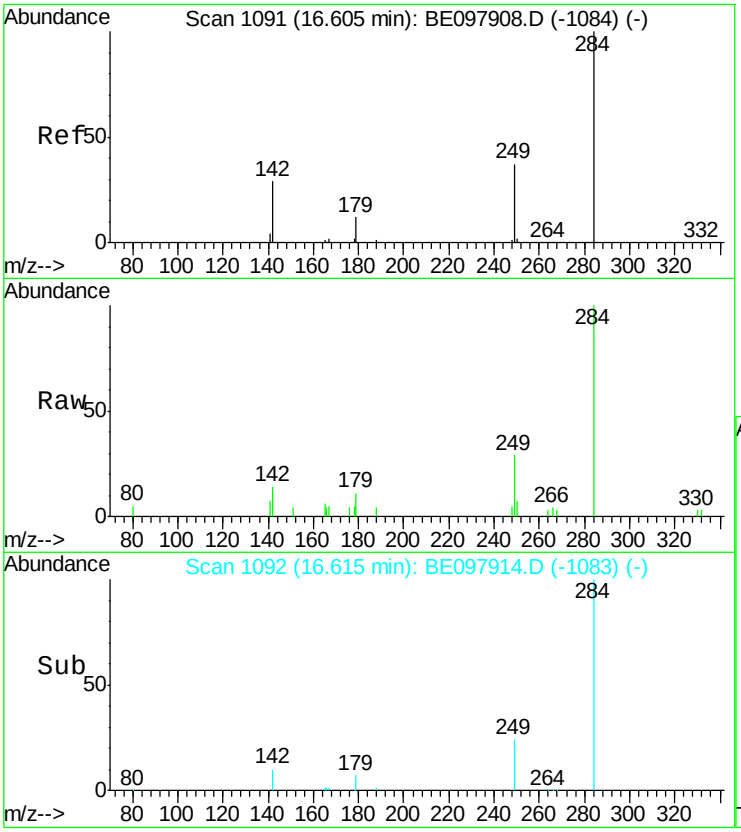


#20
4-Bromophenyl-phenylether
Concen: 0.416 ng
RT: 16.49 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:248 Resp: 2622

Ion	Ratio	Lower	Upper
248	100		
250	88.6	75.1	112.7
141	74.0	51.8	77.8



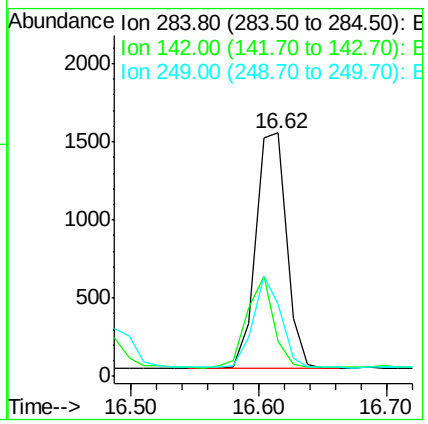


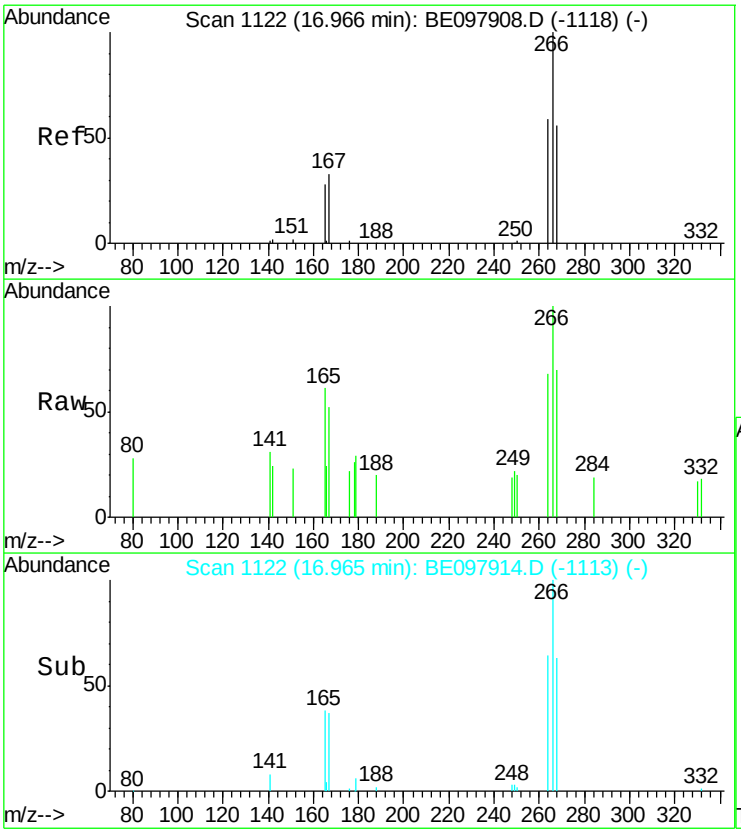
#21
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.62 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2559

Ion	Ratio	Lower	Upper
284	100		
142	33.5	25.9	38.9
249	34.3	26.6	40.0

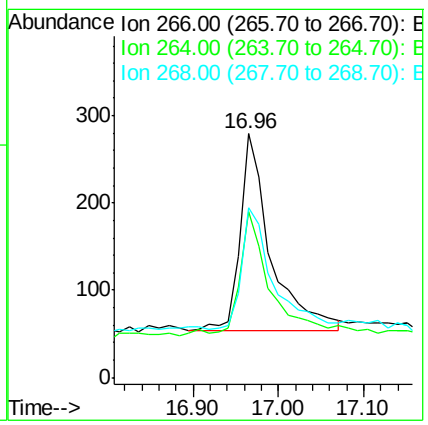


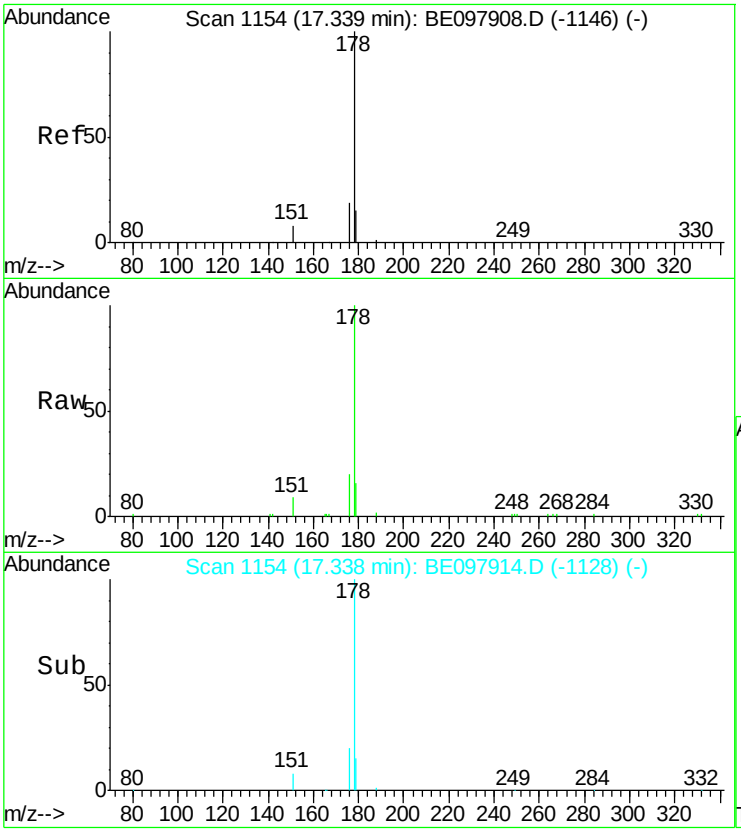


#22
Pentachlorophenol
Concen: 0.381 ng
RT: 16.96 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:266 Resp: 566

Ion	Ratio	Lower	Upper
266	100		
264	68.1	51.3	76.9
268	69.9	50.1	75.1



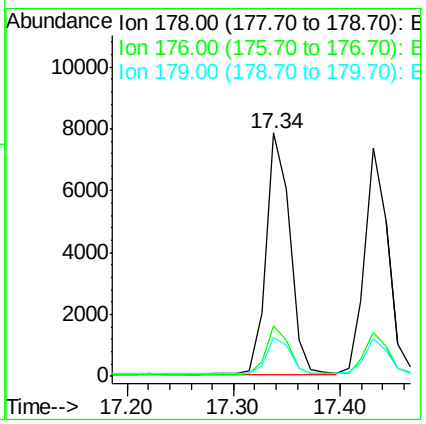


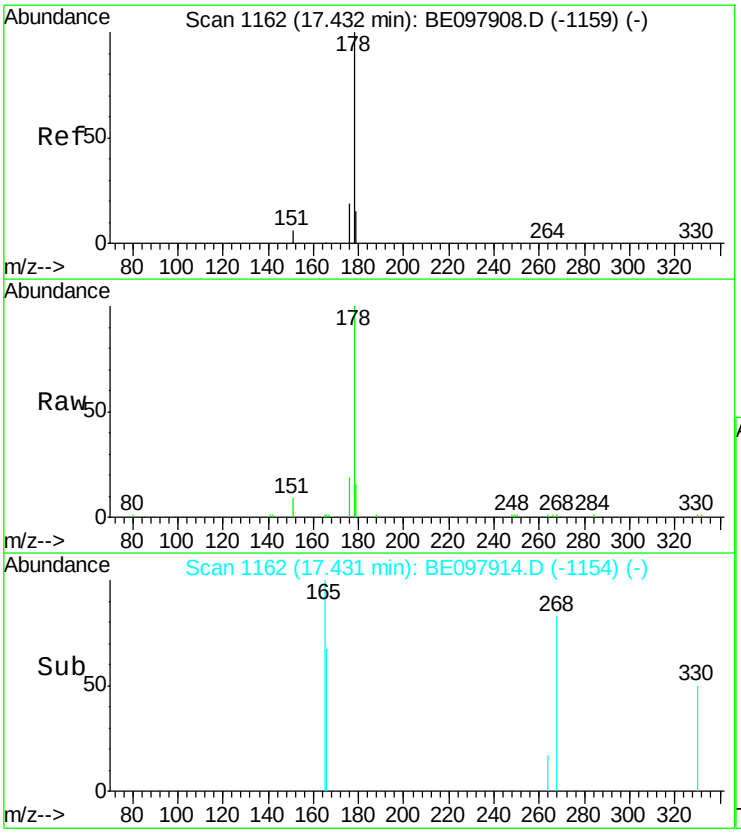
#23
Phenanthrene
Concen: 0.411 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 12052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.5	12.2	18.4

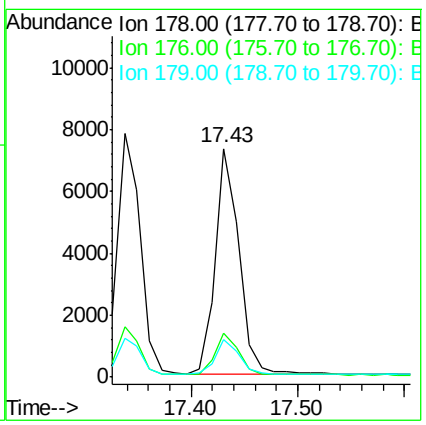


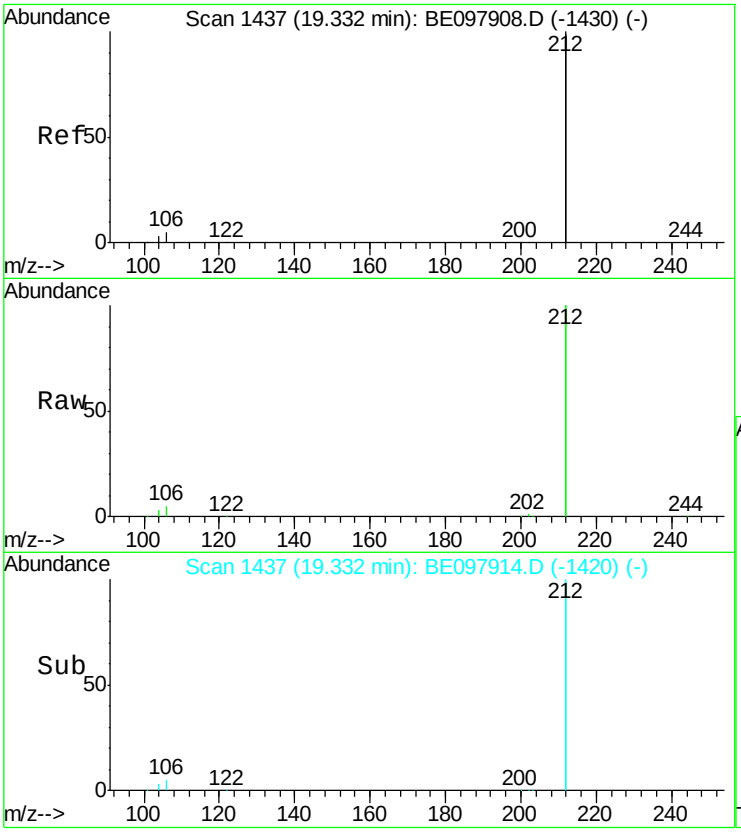


#24
Anthracene
Concen: 0.402 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:178 Resp: 11147

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.0	11.9	17.9



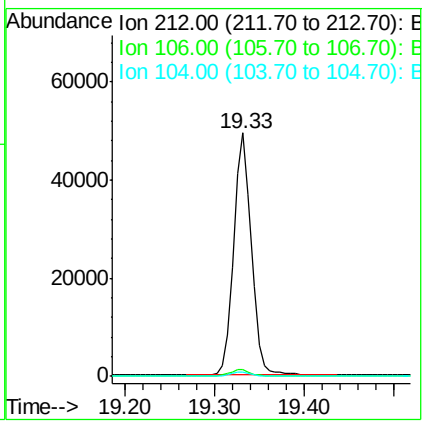


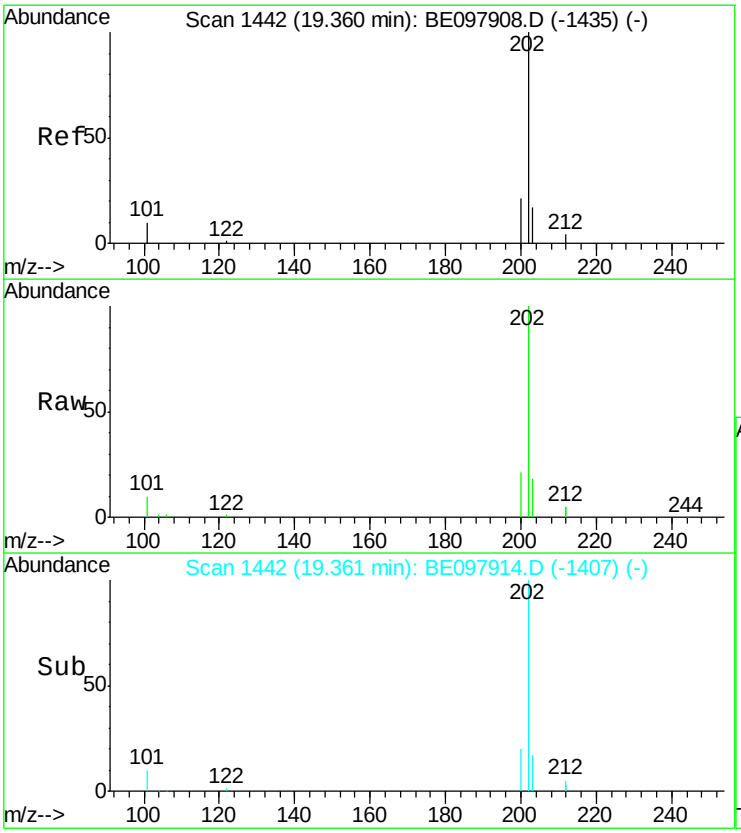
#25
Fluoranthene-d10
Concen: 0.419 ng
RT: 19.33 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 65494

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.3	3.5
104	1.7	1.3	1.9

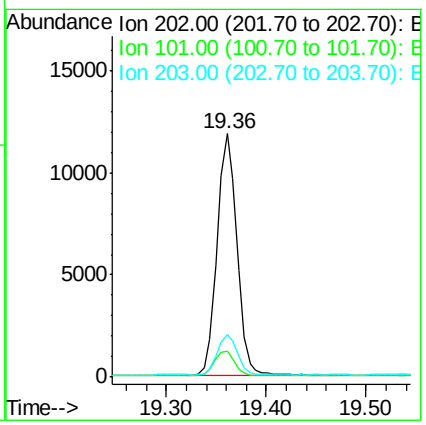


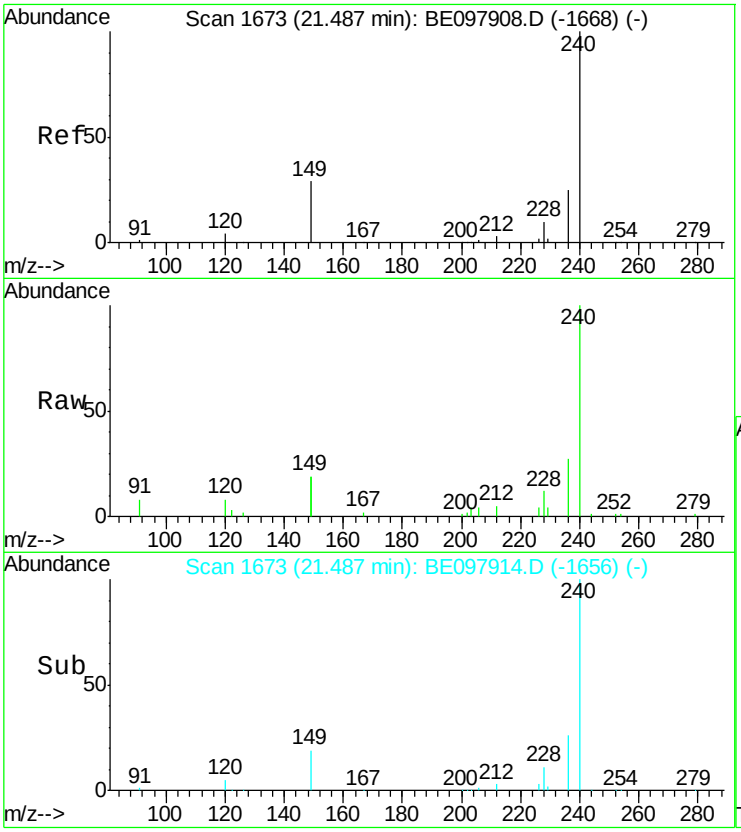


#26
Fluoranthene
Concen: 0.424 ng
RT: 19.36 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:202 Resp: 16313

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.2	12.2
203	17.0	15.0	22.4



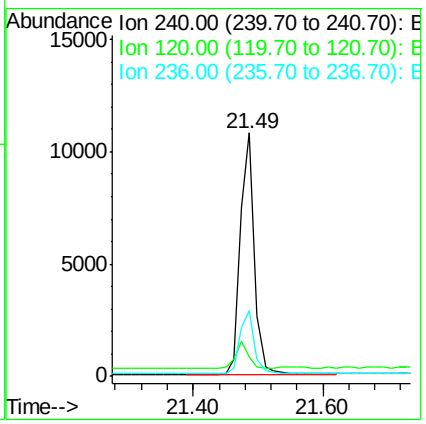


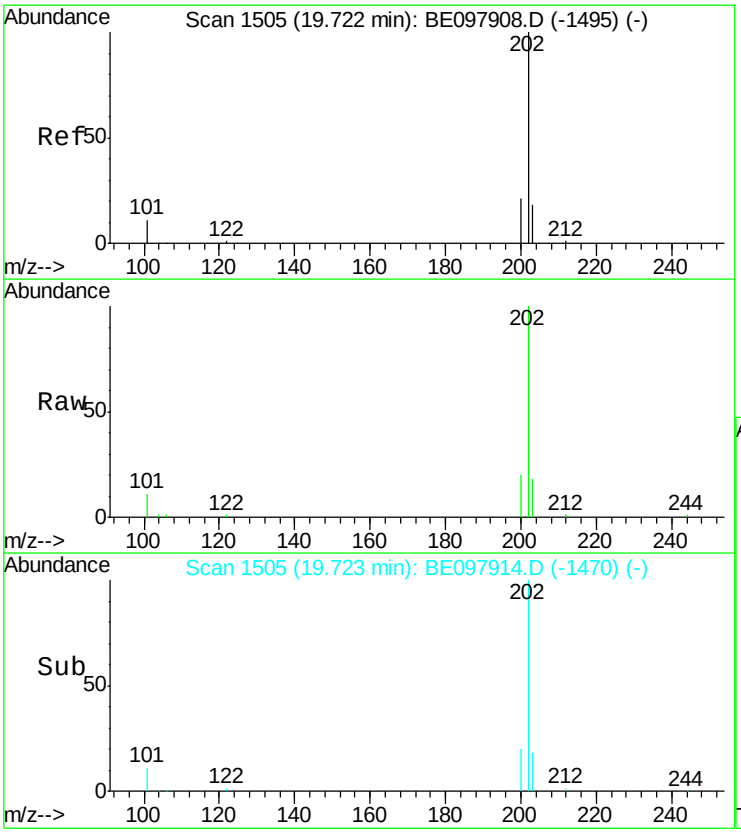
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 16293

Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.1	10.7
236	27.2	21.3	31.9

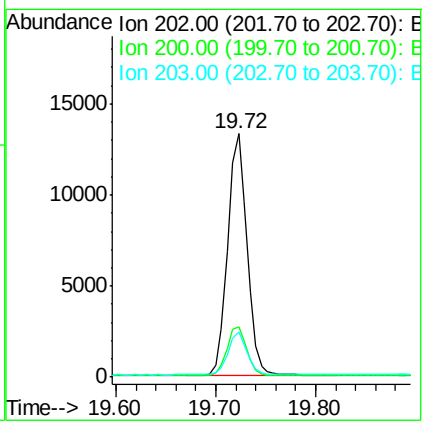


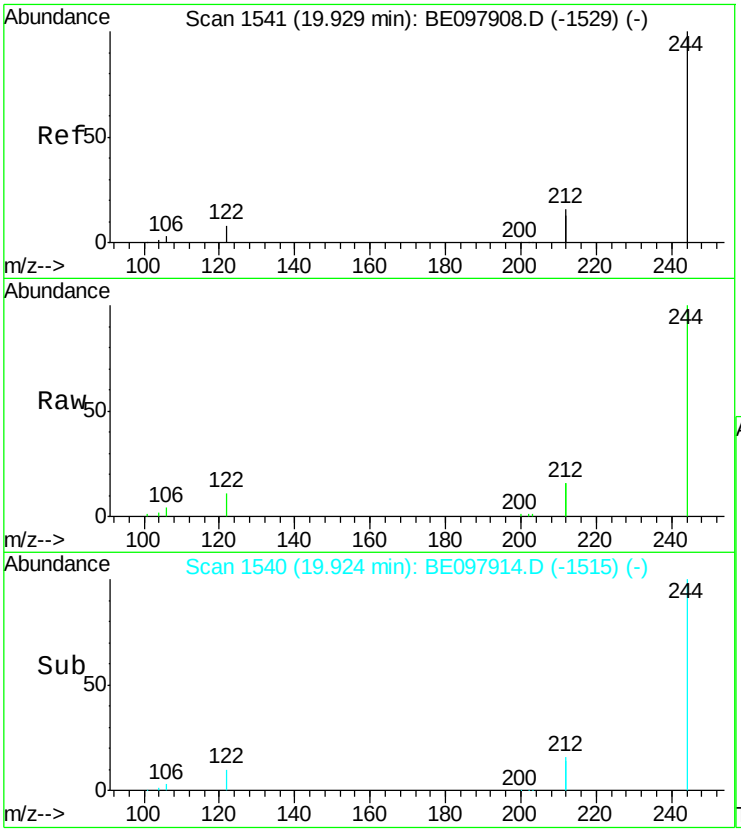


#28
Pyrene
Concen: 0.383 ng
RT: 19.72 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:202 Resp: 18022

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.2	21.4



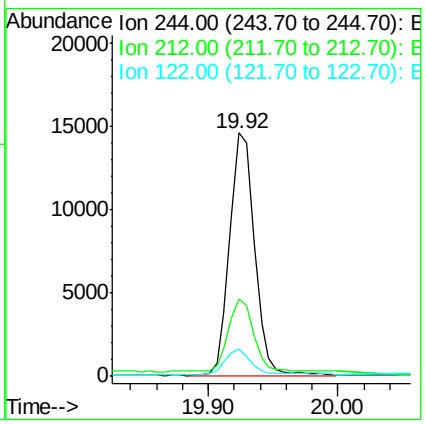


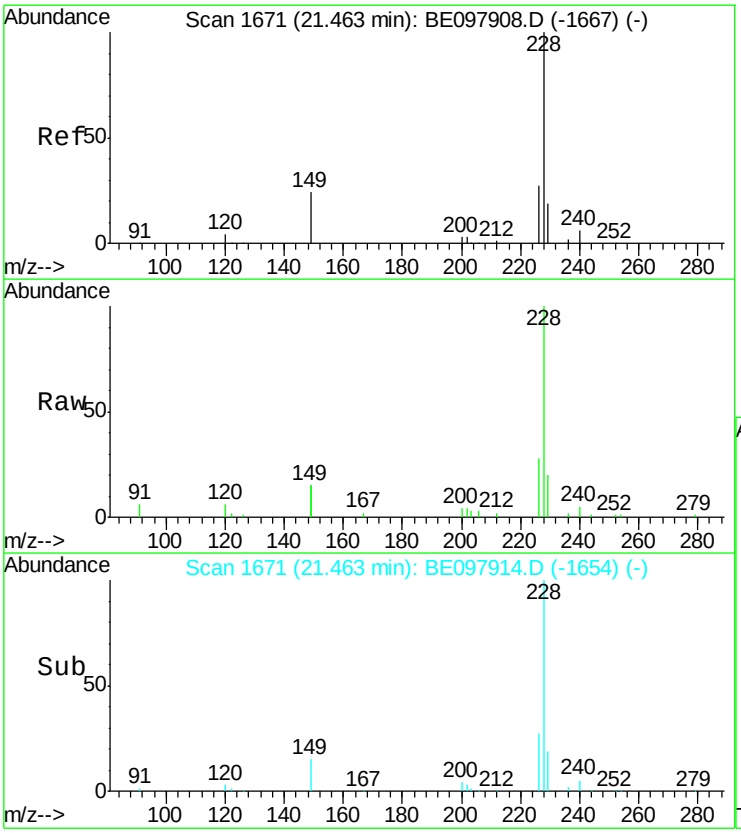
#29
Terphenyl-d14
Concen: 0.514 ng
RT: 19.92 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 19205

Ion	Ratio	Lower	Upper
244	100		
212	31.7	26.2	39.2
122	11.1	7.7	11.5

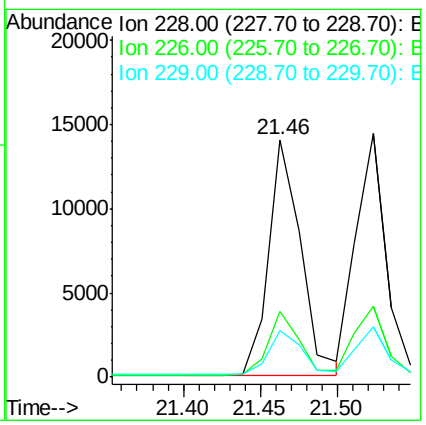


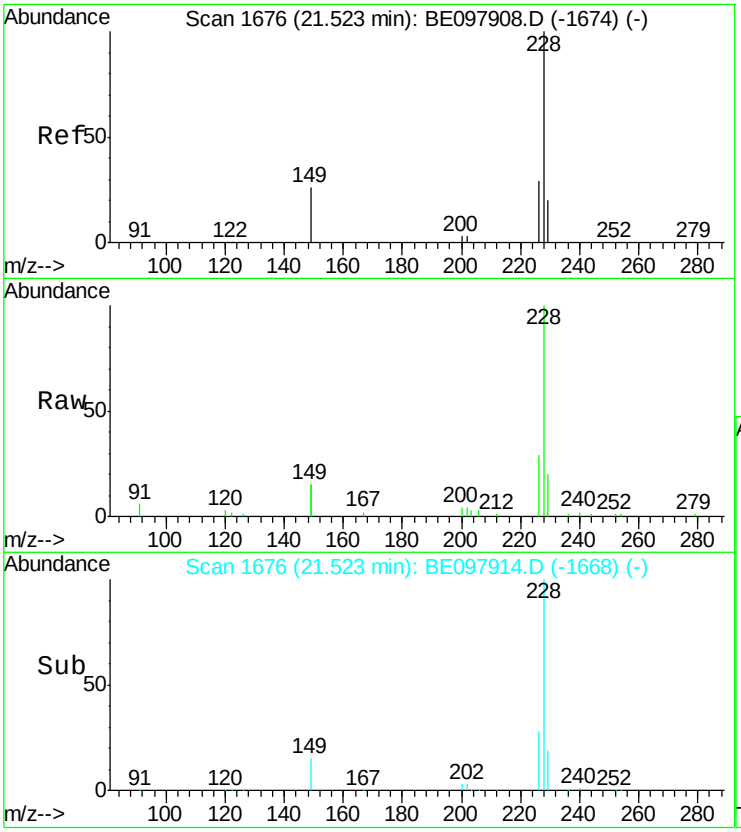


#30
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:228 Resp: 20419

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	19.8	16.9	25.3



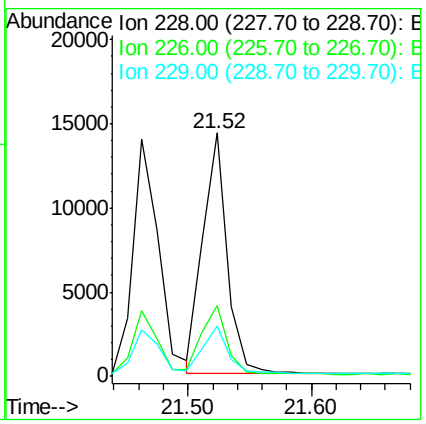


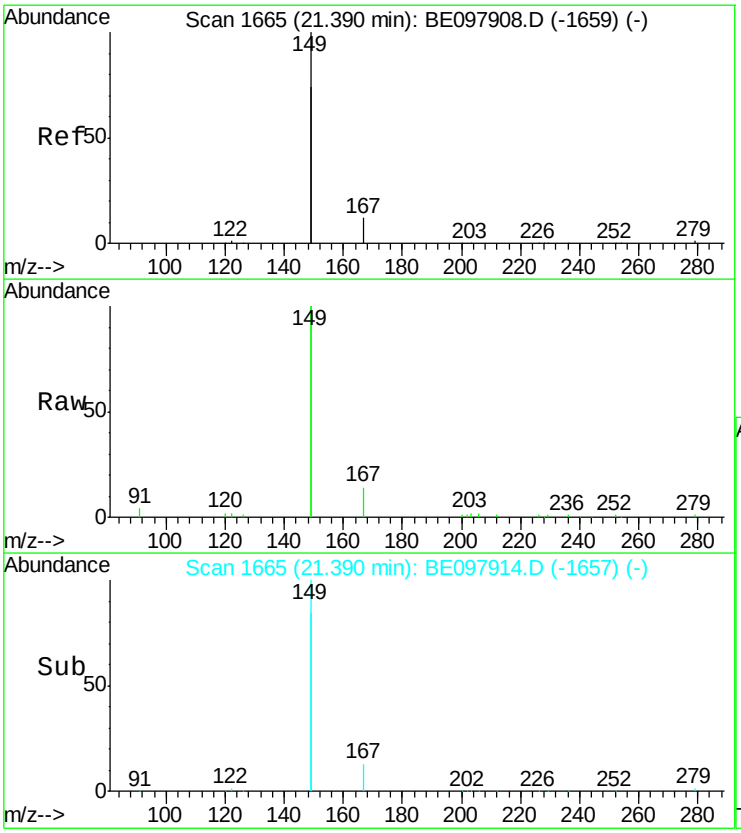
#31
Chrysene
Concen: 0.412 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 19478

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.3	36.5
229	20.5	17.3	25.9

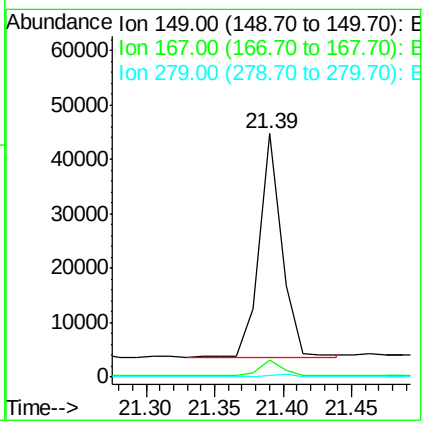


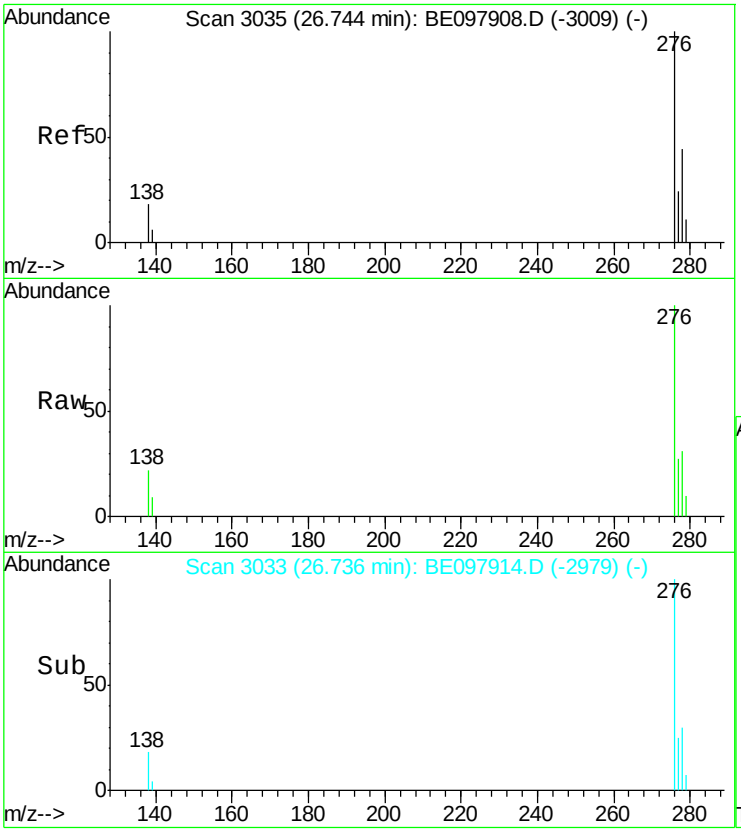


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.407 ng
RT: 21.39 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:149 Resp: 47083

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.6	8.4
279	1.0	0.9	1.3



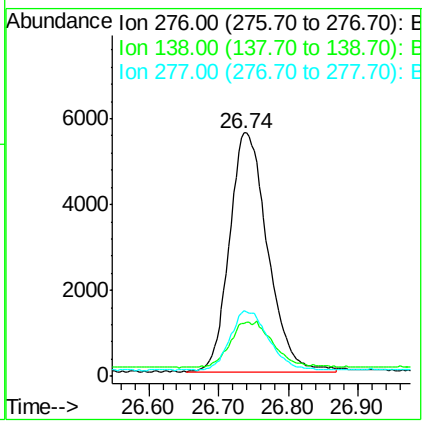


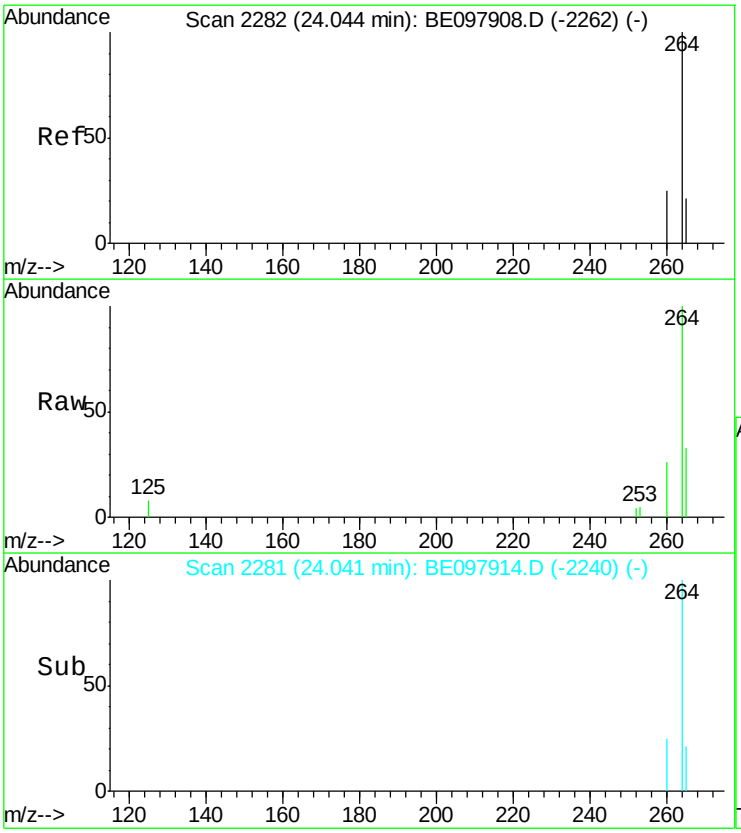
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.74 min Scan# 3033
Delta R.T. -0.01 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 21087

Ion	Ratio	Lower	Upper
276	100		
138	21.0	17.0	25.6
277	25.0	20.5	30.7

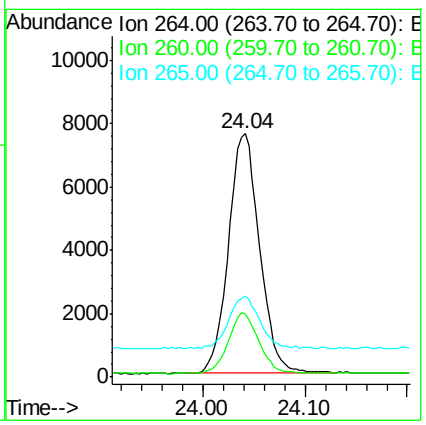


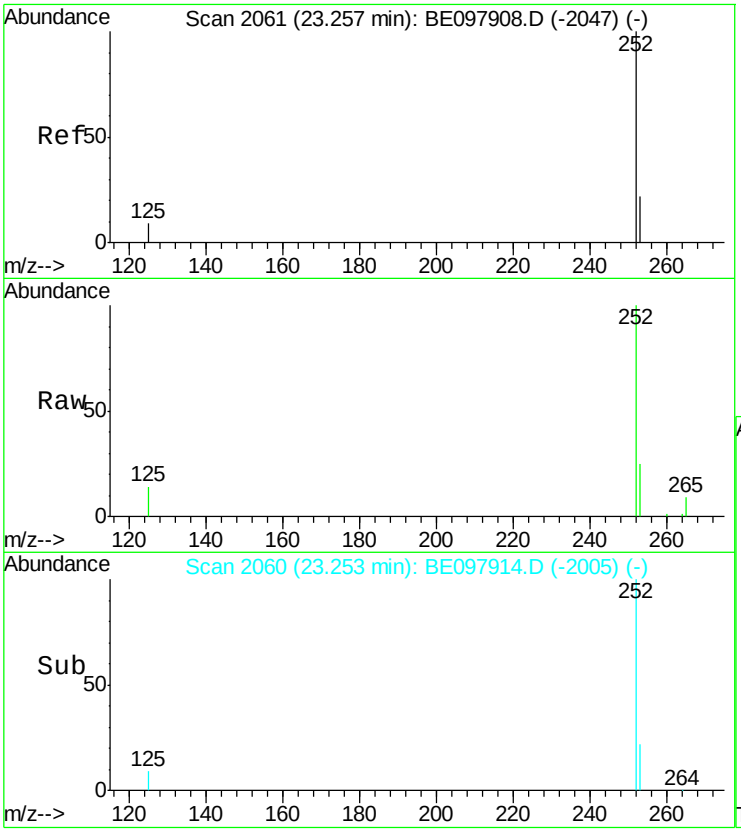


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.04 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:264 Resp: 16107

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.1	31.7
265	33.1	29.2	43.8



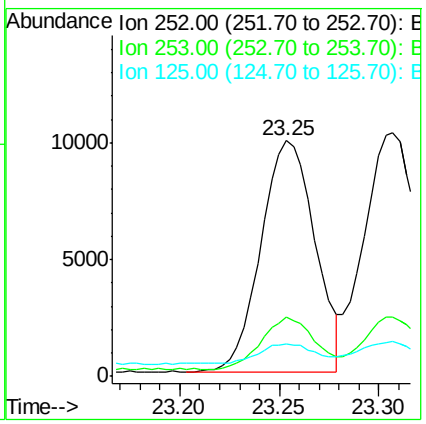


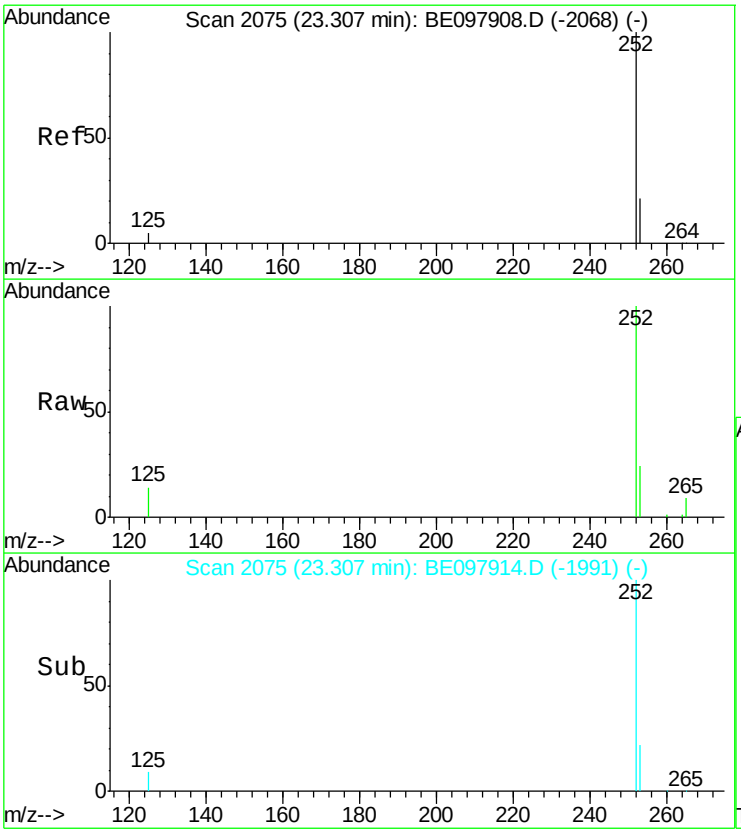
#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.25 min Scan# 2060
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 18602

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.6	31.0
125	13.6	14.3	21.5#

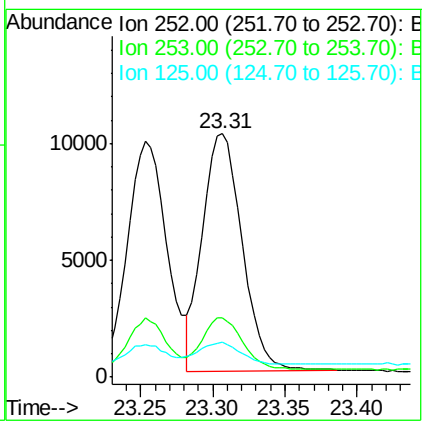


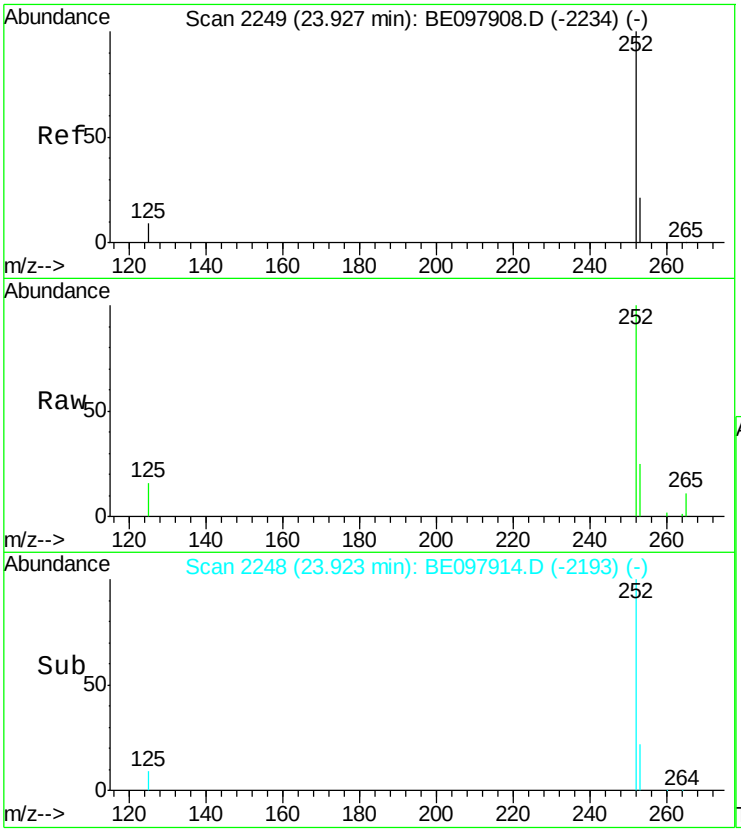


#36
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 23.31 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:252 Resp: 19476

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.4	30.6
125	14.1	14.6	21.8#



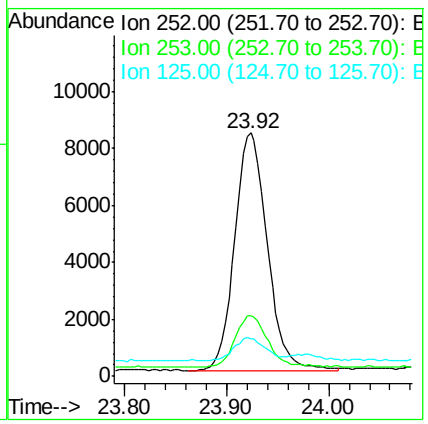


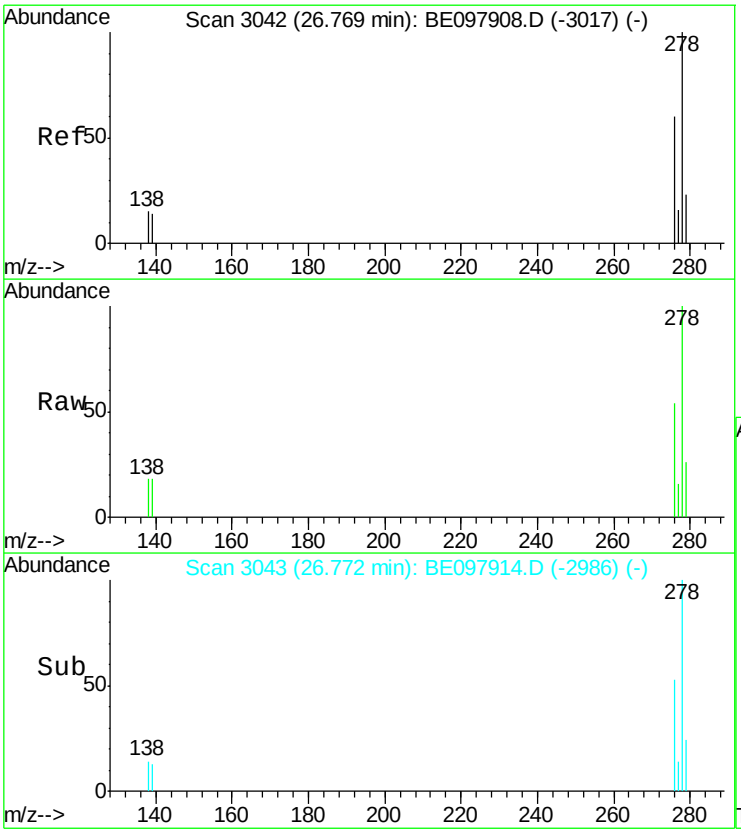
#37
Benzo(a)pyrene
Concen: 0.413 ng
RT: 23.92 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 18669

Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.6	31.0
125	15.6	15.6	23.4

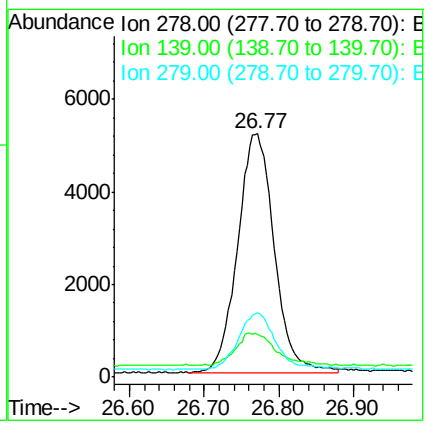


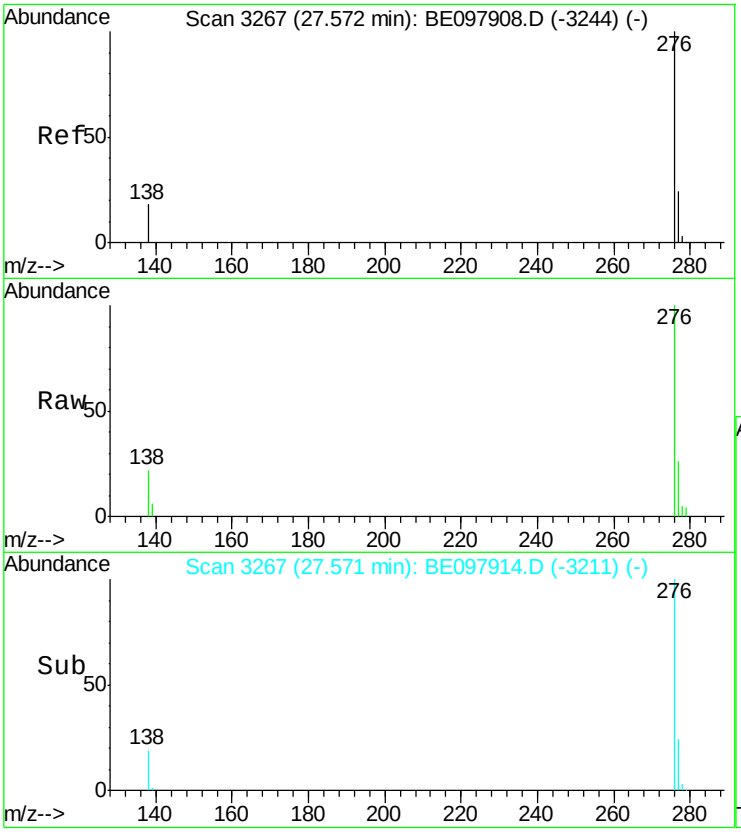


#38
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 26.77 min Scan# 3043
Delta R.T. 0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Tgt Ion:278 Resp: 17486

Ion	Ratio	Lower	Upper
278	100		
139	17.6	16.3	24.5
279	26.5	21.4	32.2





#39
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 27.57 min Scan# 3267
Delta R.T. -0.00 min
Lab File: BE097914.D
Acq: 16 Oct 2018 17:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 17759

Ion	Ratio	Lower	Upper
276	100		
277	26.2	22.1	33.1
138	22.3	19.3	28.9