Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097041.D
Acq On : 23 Jul 2018 17:50
Operator : SJ/JU
Sample : J4048-03MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YT-MW-7MSD

Quant Time: Jul 24 05:27:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1559	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	7047	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	4406	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	11749	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14553	0.40	ng		0.00
34) Perylene-d12	23.21	264	13615	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	962	0.26	ng		0.01
5) Phenol-d6	6.60	99	817	0.14	ng		0.00
8) Nitrobenzene-d5	8.52	82	2791	0.54	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	5203	0.51	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	915	0.82	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	7738	0.47	ng		0.00
25) Fluoranthene-d10	18.81	212	66979	0.66	ng		0.00
29) Terphenyl-d14	19.43	244	14652	0.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	424	0.190	ng	#	23
3) n-Nitrosodimethylamine	3.38	42	532	0.212	ng	#	93
6) bis(2-Chloroethyl)ether	6.84	93	2209	0.396	ng		99
9) Naphthalene	10.20	128	27710	0.439	ng		100
10) Hexachlorobutadiene	10.50	225	1047	0.411	ng		96
12) 2-Methylnaphthalene	11.80	142	4668	0.436	ng		98
16) Acenaphthylene	13.73	152	7565	0.376	ng		96
17) Acenaphthene	14.08	154	5334	0.426	ng		96
18) Fluorene	15.07	166	7922	0.564	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	2089	0.376	ng	#	75
21) Hexachlorobenzene	16.08	284	2006	0.325	ng	#	74
22) Pentachlorophenol	16.43	266	2542	1.692	ng	#	70
23) Phenanthrene	16.81	178	12579	0.447	ng		96
24) Anthracene	16.90	178	12337	0.504	ng	#	94
26) Fluoranthene	18.84	202	17204	0.580	ng		99
28) Pyrene	19.21	202	18205	0.424	ng		99
30) Benzo(a)anthracene	20.95	228	18350	0.530	ng		99
31) Chrysene	21.01	228	16808	0.432	ng		98
32) Bis(2-ethylhexyl)phthalate	20.93	149	36920	1.067	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	16097	0.568	ng	#	94
35) Benzo(b)fluoranthene	22.54	252	15639	0.450	ng	#	91
36) Benzo(k)fluoranthene	22.58	252	16645	0.403	ng		92
37) Benzo(a)pyrene	23.11	252	14750	0.474	ng	#	92
38) Dibenzo(a,h)anthracene	25.52	278	13198	0.506	ng		97
39) Benzo(g,h,i)perylene	26.20	276	13761	0.487	ng	#	90

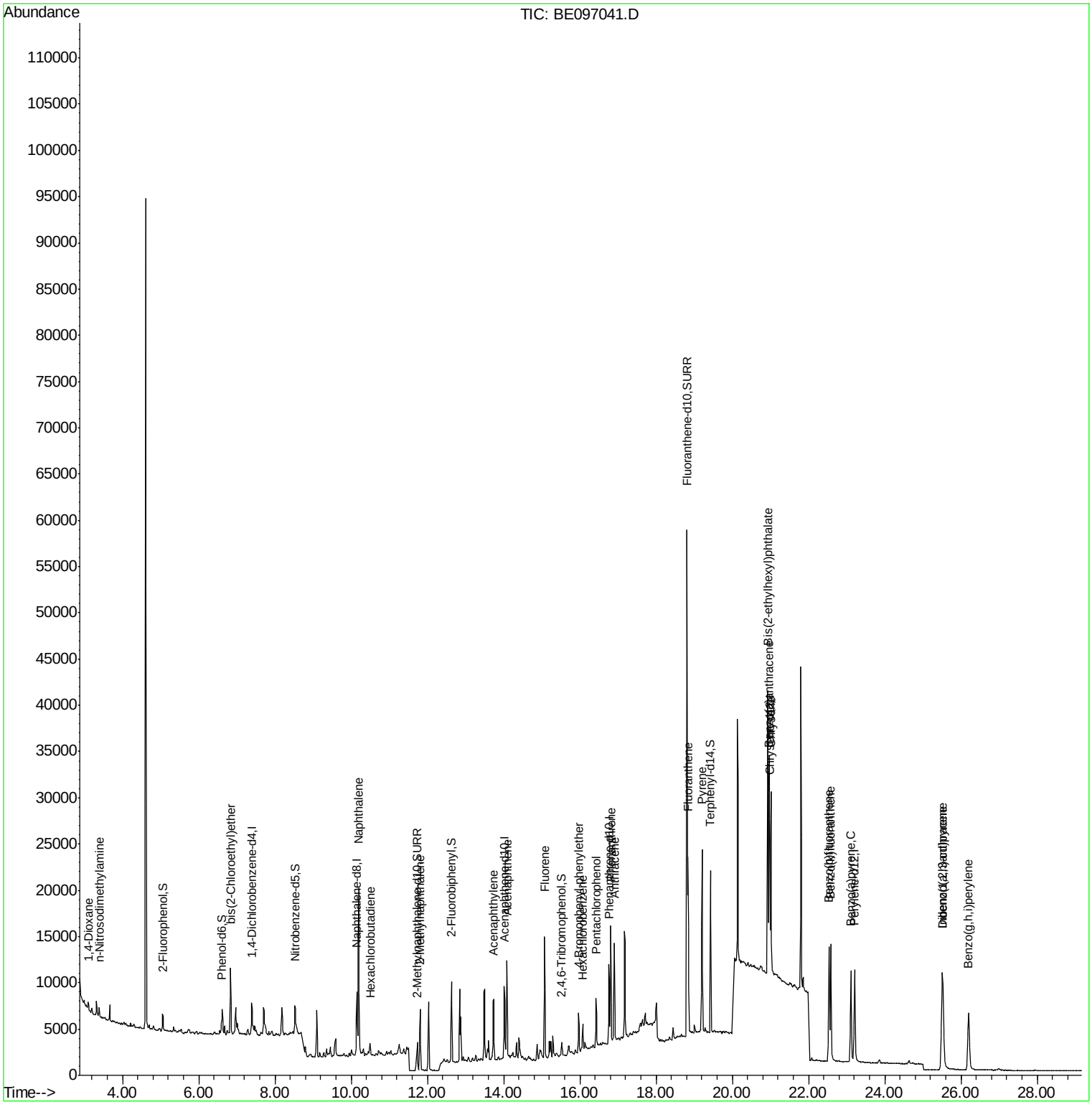
(#) = qualifier out of range (m) = manual integration (+) = signals summed

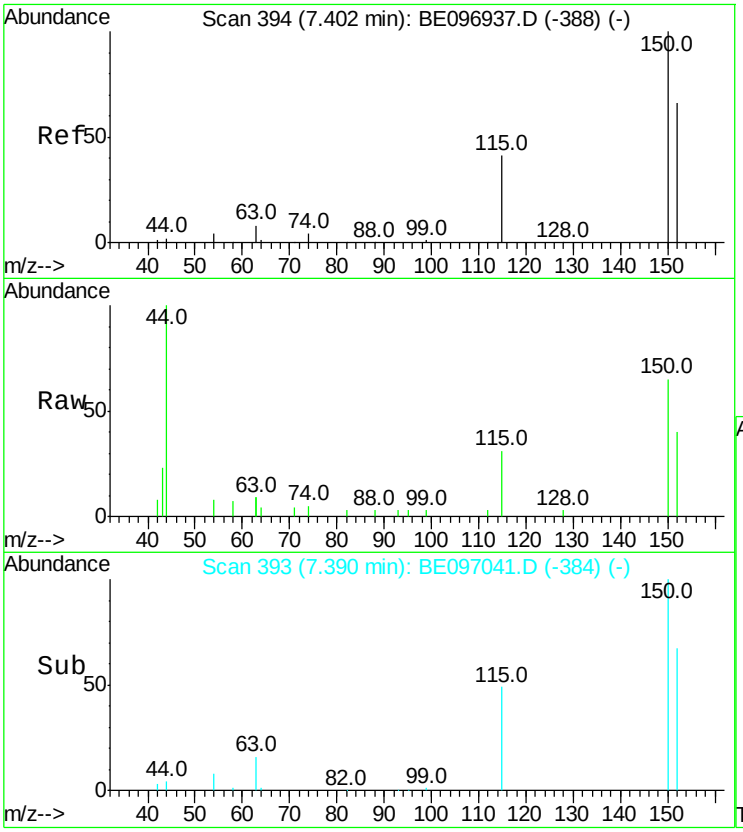
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097041.D
Acq On : 23 Jul 2018 17:50
Operator : SJ/JU
Sample : J4048-03MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Quant Time: Jul 24 05:27:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration



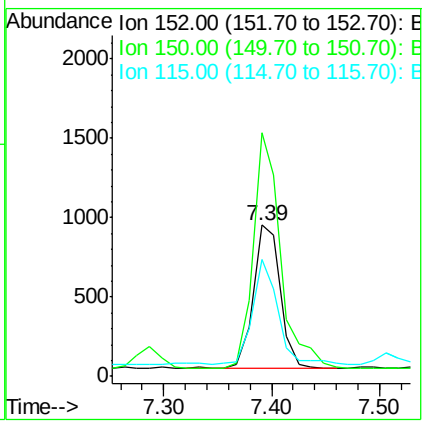


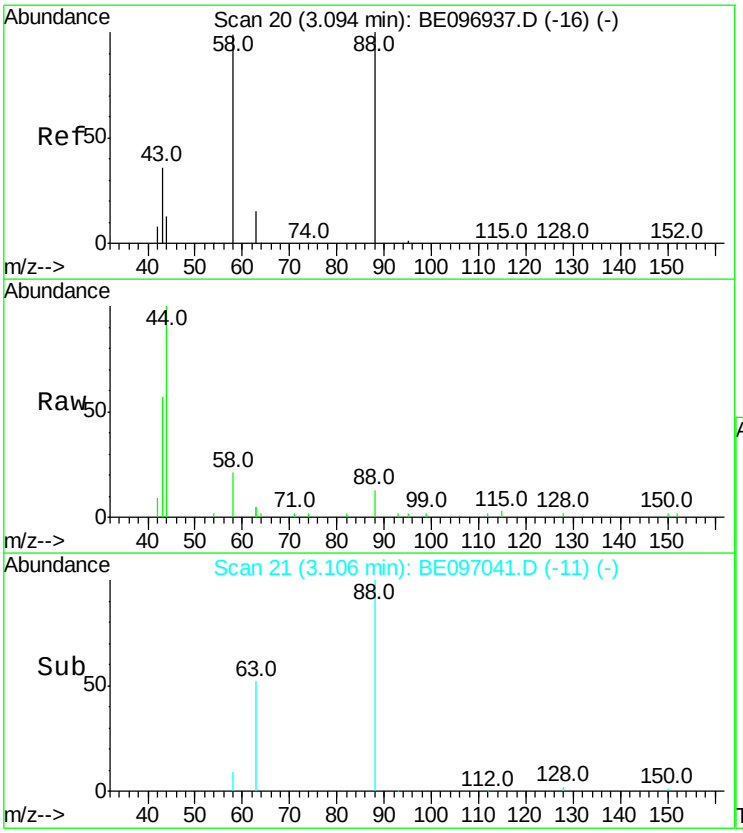
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:152 Resp: 1559

Ion	Ratio	Lower	Upper
152	100		
150	160.8	117.2	175.8
115	77.1	57.0	85.6

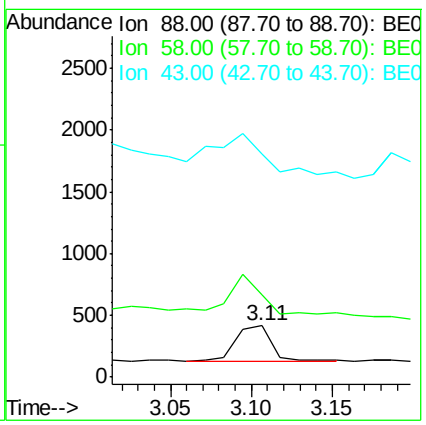


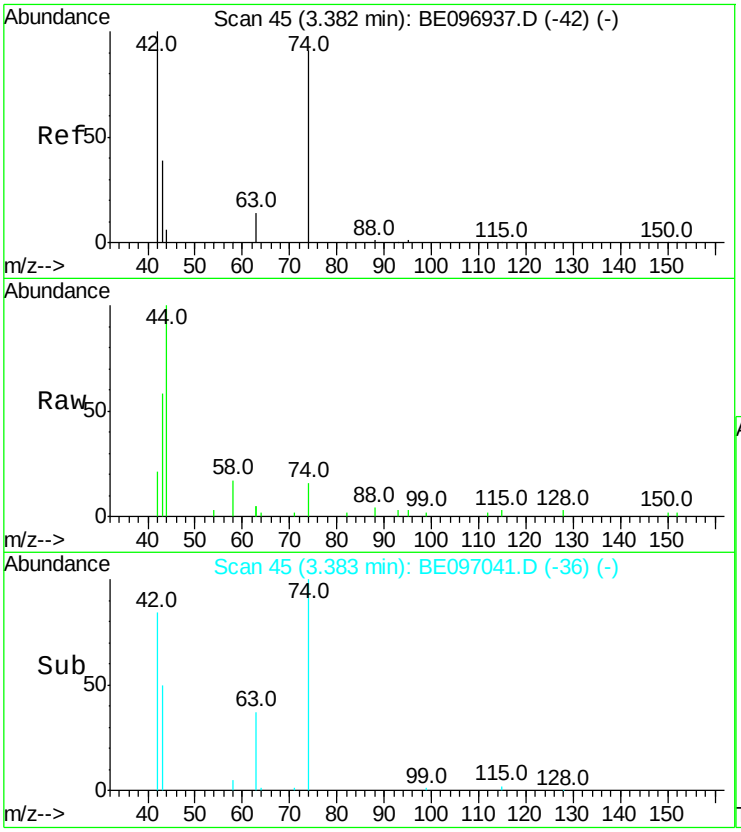


#2
1,4-Dioxane
Concen: 0.190 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion: 88 Resp: 424

Ion	Ratio	Lower	Upper
88	100		
58	93.9	63.2	94.8
43	168.9	41.2	61.8#



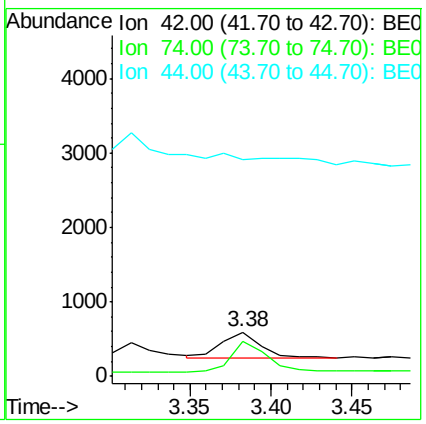


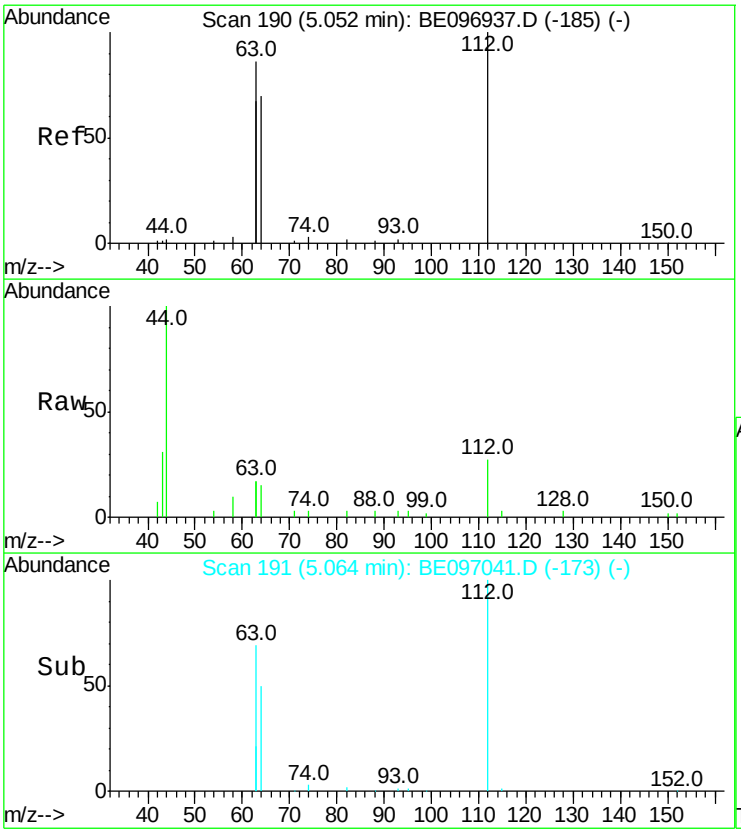
#3
n-Nitrosodimethylamine
Concen: 0.212 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion: 42 Resp: 532

Ion	Ratio	Lower	Upper
42	100		
74	116.5	96.0	144.0
44	0.0	12.0	18.0#

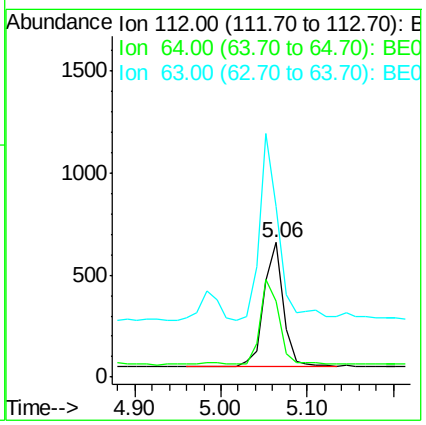


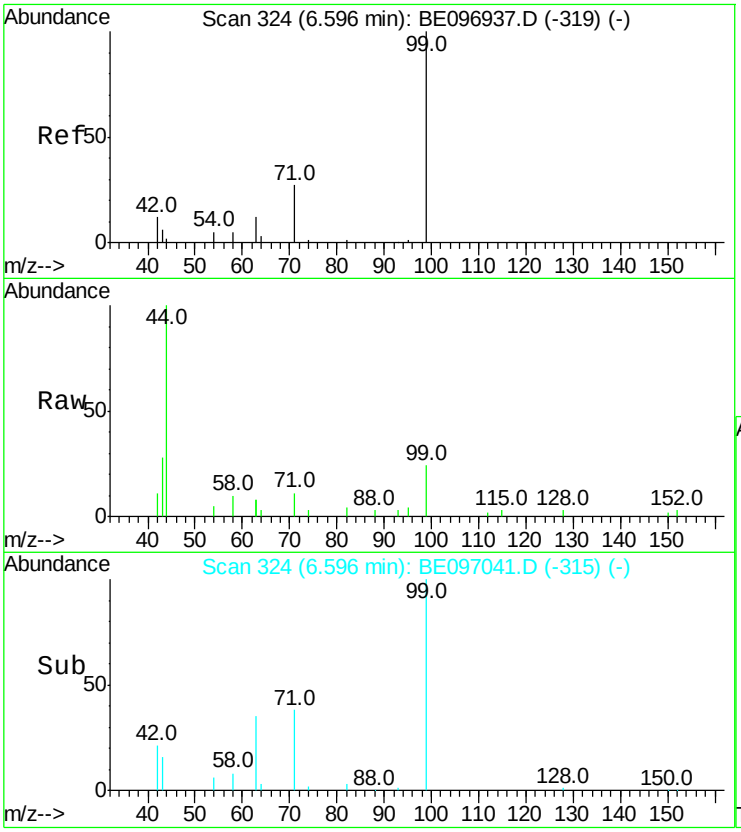


#4
2-Fluorophenol
Concen: 0.258 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:112 Resp: 962

Ion	Ratio	Lower	Upper
112	100		
64	66.7	60.1	90.1
63	147.6	116.8	175.2



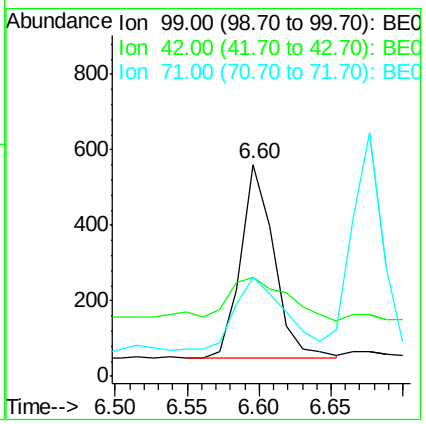


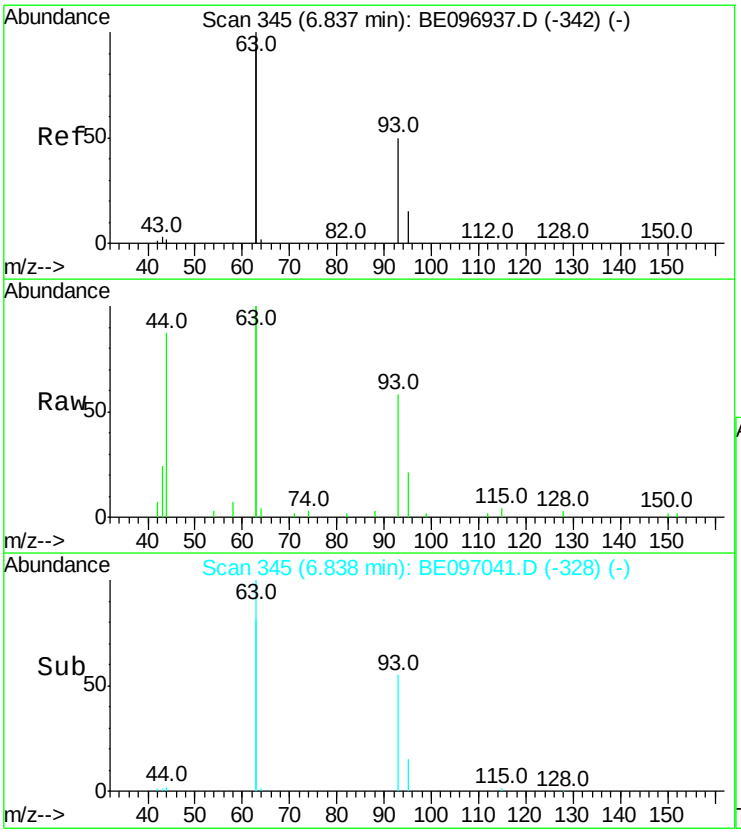
#5
Phenol-d6
Concen: 0.144 ng
RT: 6.60 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion: 99 Resp: 817

Ion	Ratio	Lower	Upper
99	100		
42	43.3	20.2	30.2#
71	55.8	28.4	42.6#

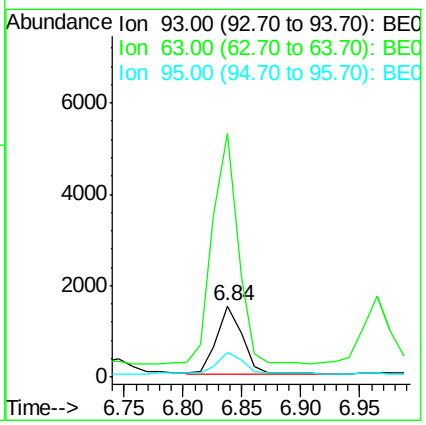


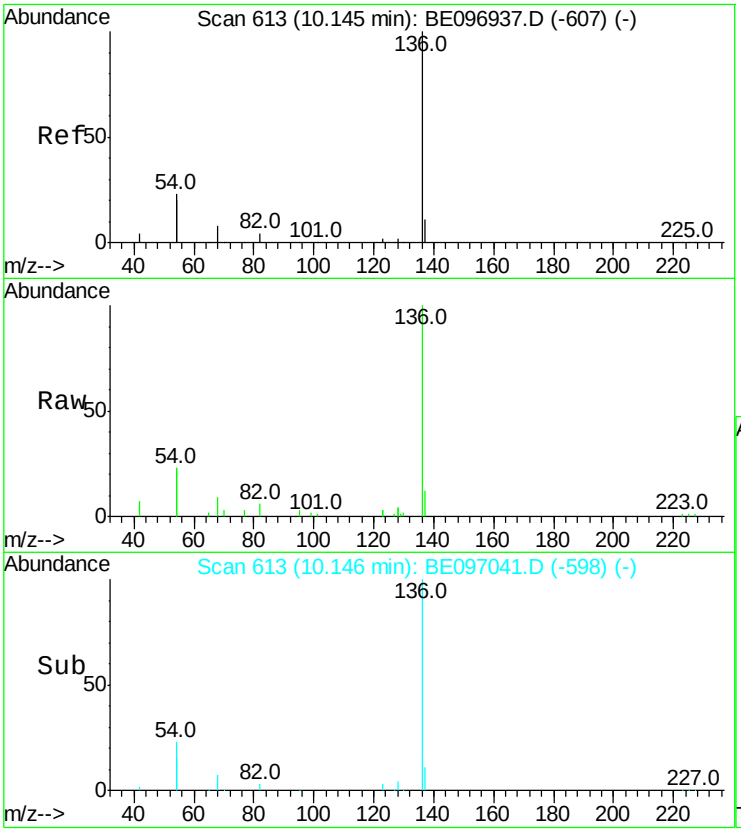


#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion: 93 Resp: 2209

Ion	Ratio	Lower	Upper
93	100		
63	345.6	275.3	412.9
95	36.1	25.2	37.8



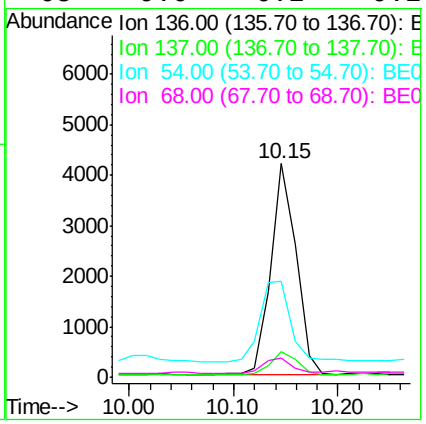


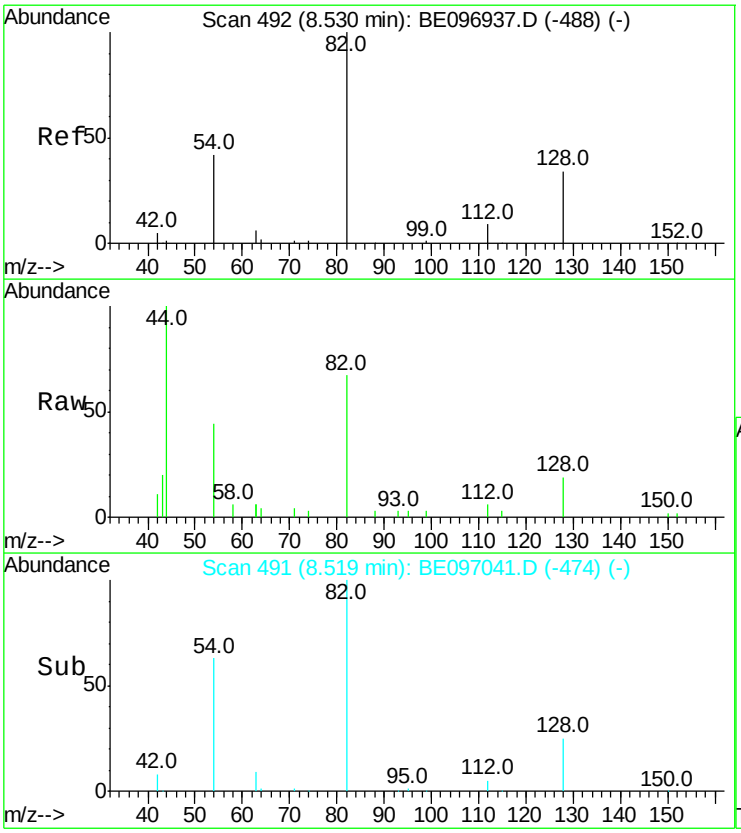
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:136 Resp: 7047

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	45.0	29.1	43.7#
68	9.0	6.2	9.2

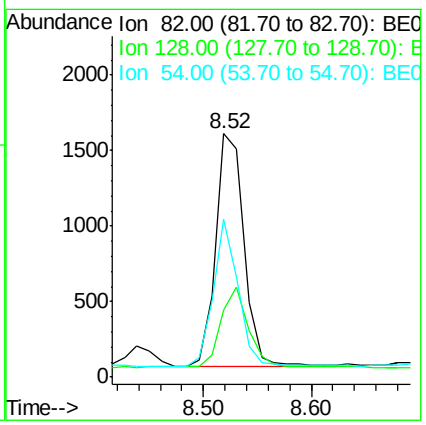


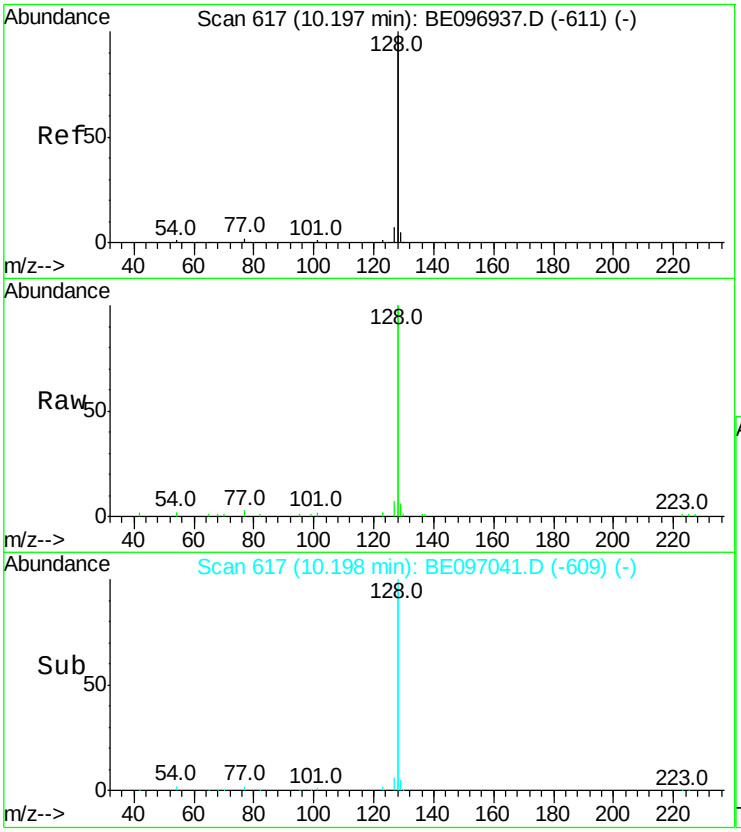


#8
Nitrobenzene-d5
Concen: 0.543 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion: 82 Resp: 2791

Ion	Ratio	Lower	Upper
82	100		
128	27.8	24.0	36.0
54	65.1	40.0	60.0#



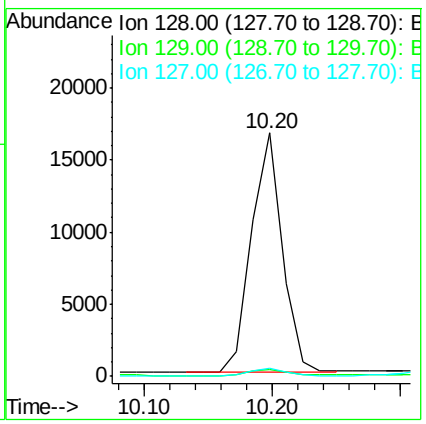


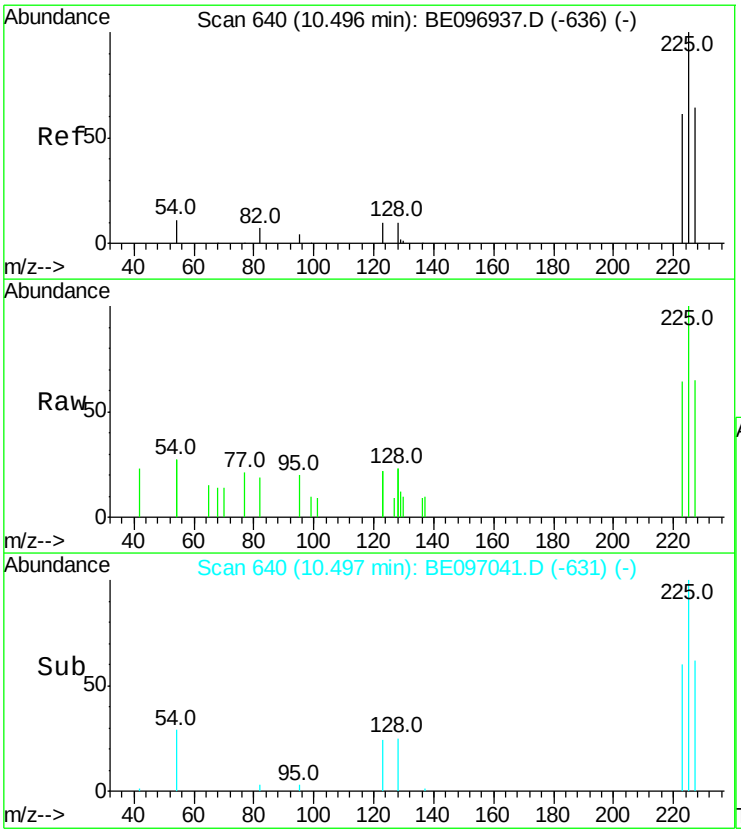
#9
Naphthalene
Concen: 0.439 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:128 Resp: 27710

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.5	2.8	4.2

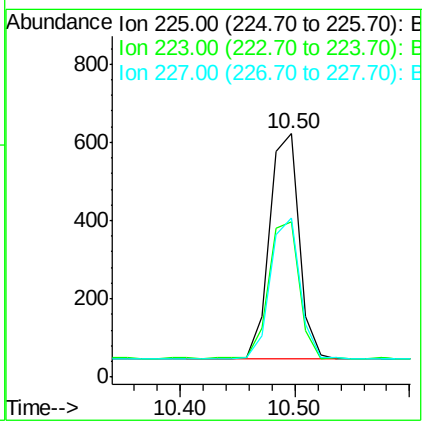


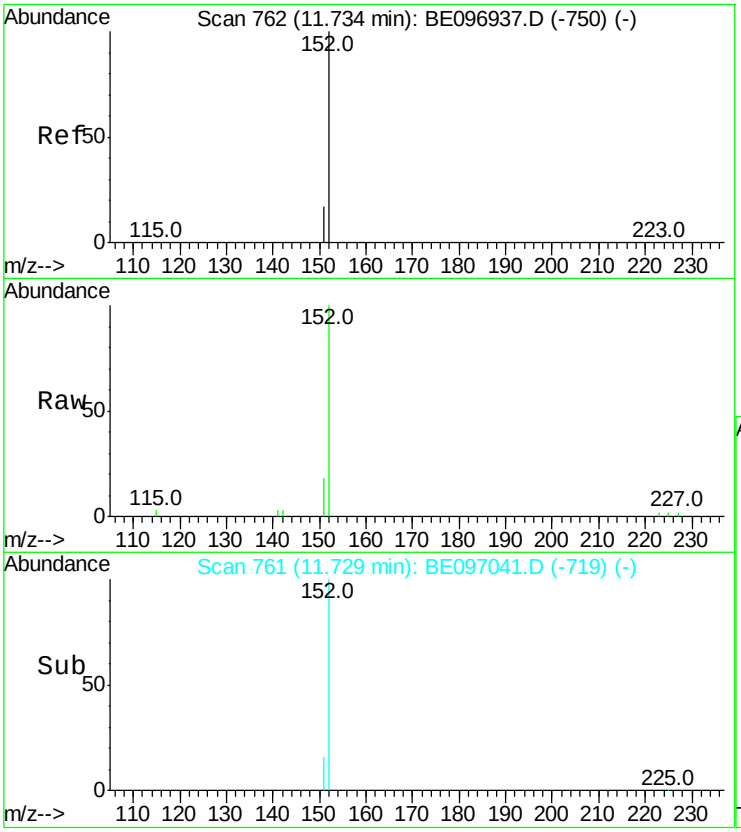


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.01 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:225 Resp: 1047

Ion	Ratio	Lower	Upper
225	100		
223	62.2	53.0	79.6
227	62.4	51.4	77.2



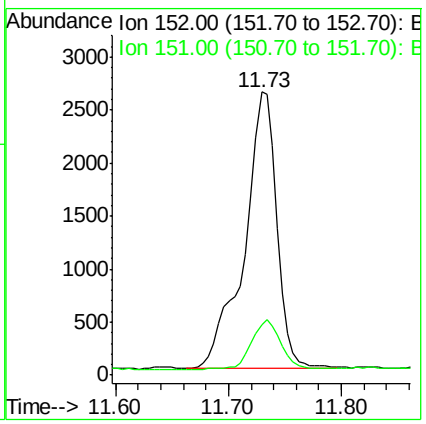


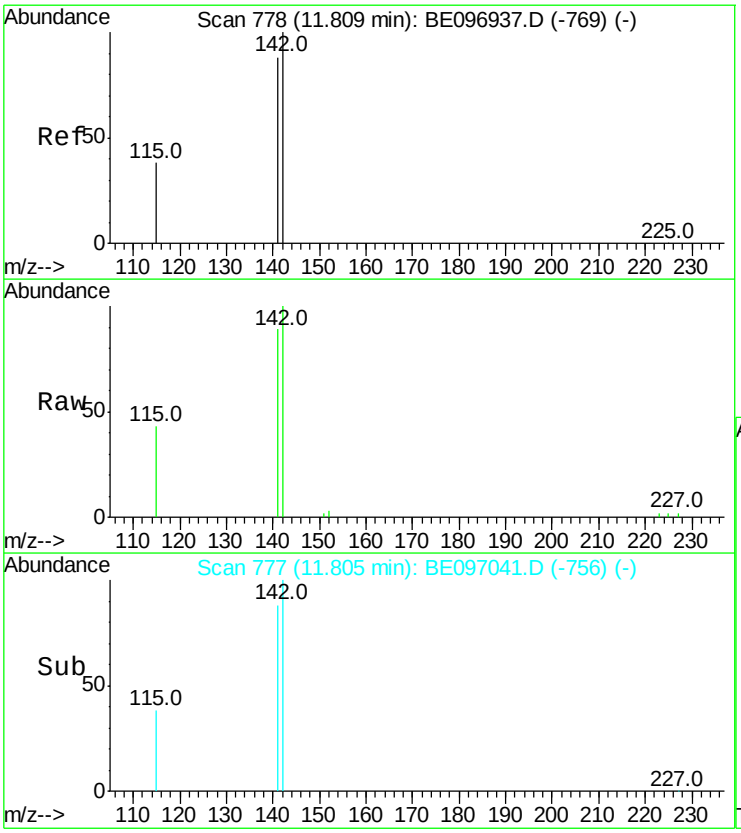
#11
2-Methylnaphthalene-d10
Concen: 0.507 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:152 Resp: 5203

Ion	Ratio	Lower	Upper
152	100		
151	16.4	15.4	23.0

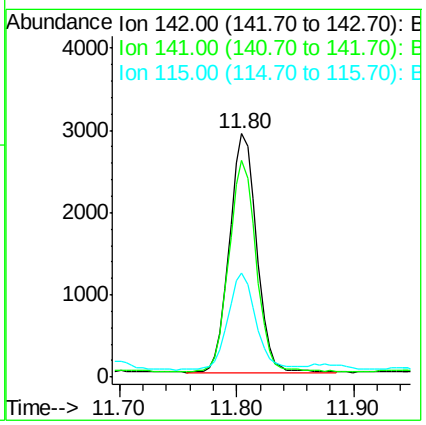


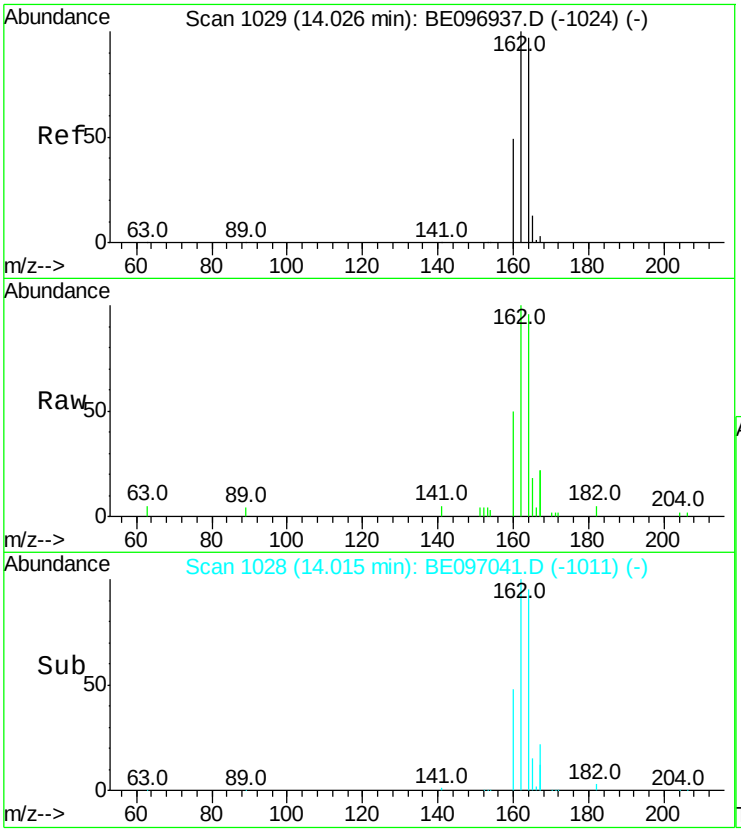


#12
2-Methylnaphthalene
Concen: 0.436 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:142 Resp: 4668

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	42.5	31.7	47.5



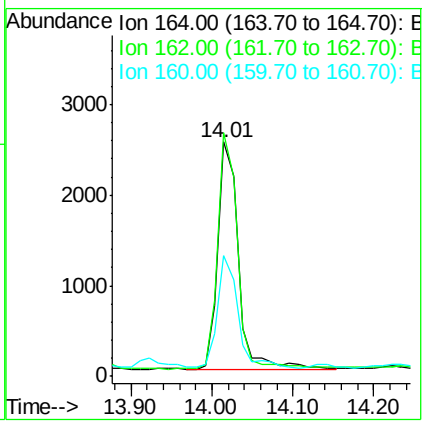


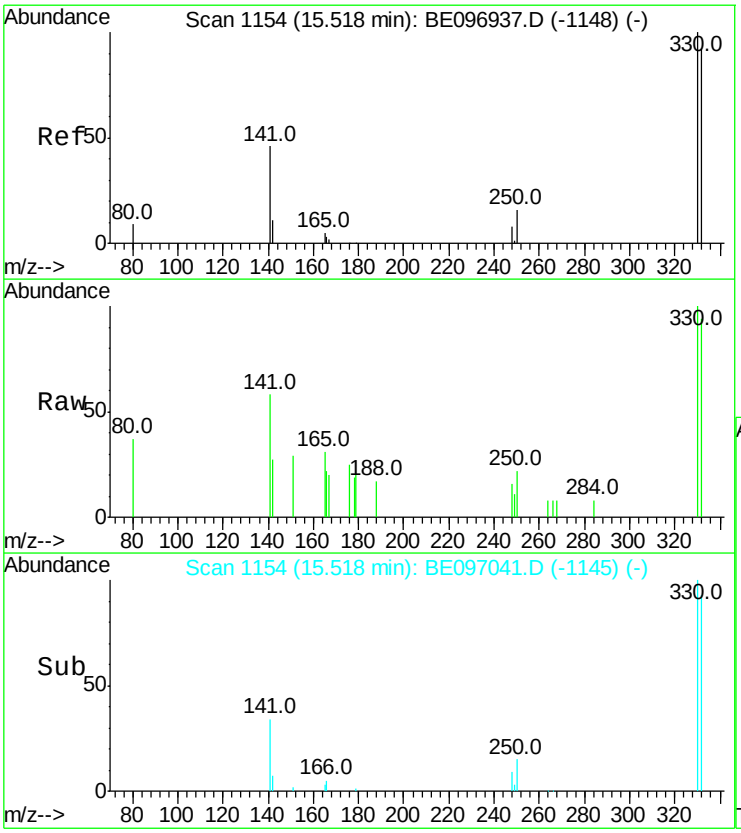
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:164 Resp: 4406

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	51.4	37.1	55.7

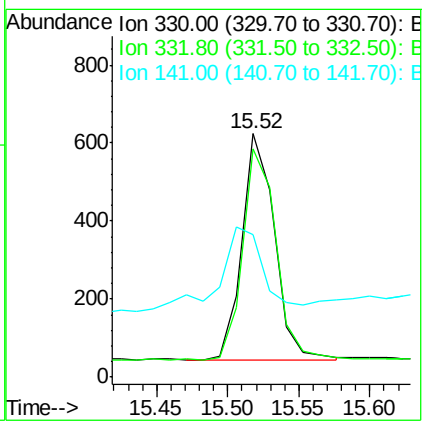


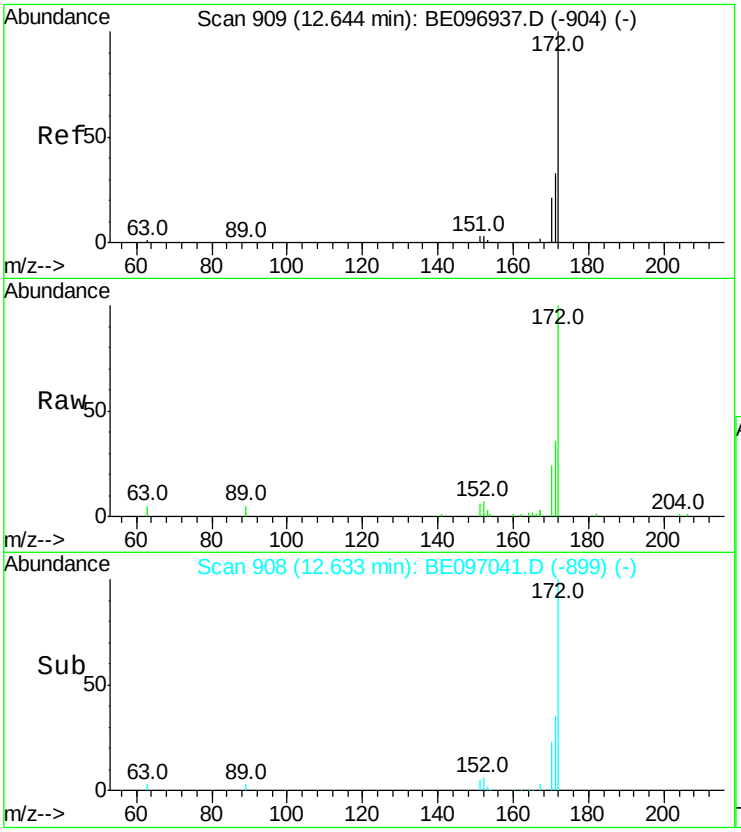


#14
2,4,6-Tribromophenol
Concen: 0.823 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:330 Resp: 915

Ion	Ratio	Lower	Upper
330	100		
332	96.1	152.7	229.1#
141	50.5	33.7	50.5



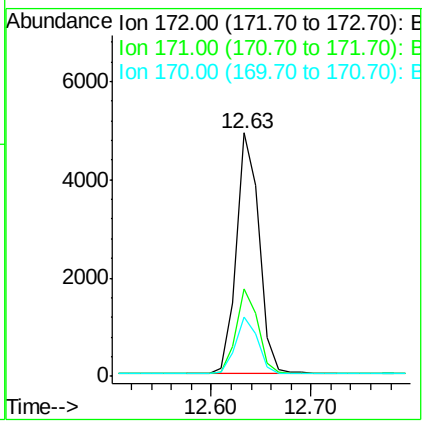


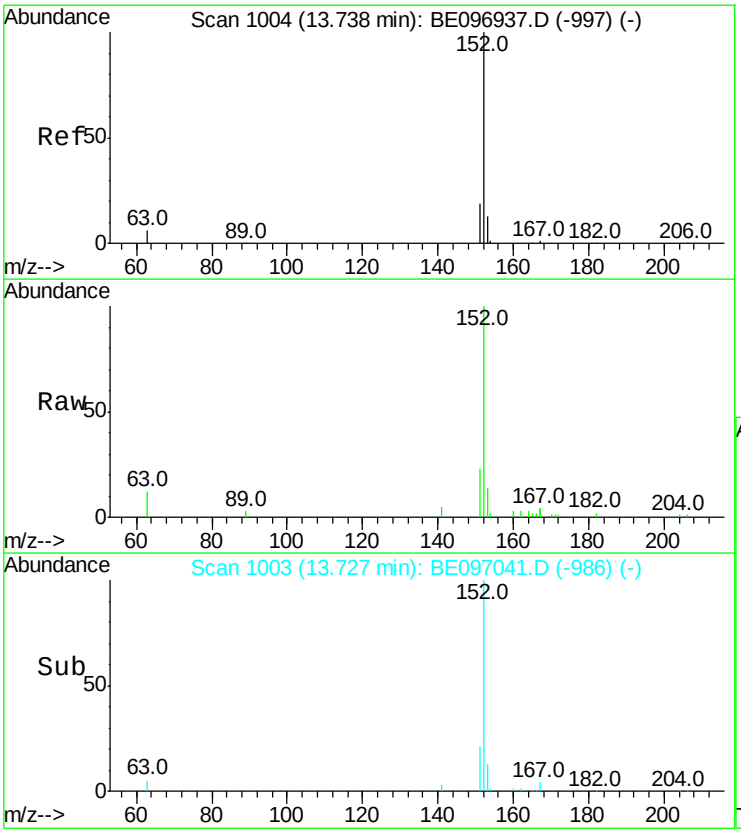
#15
2-Fluorobiphenyl
Concen: 0.472 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:172 Resp: 7738

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.4	21.8	32.8

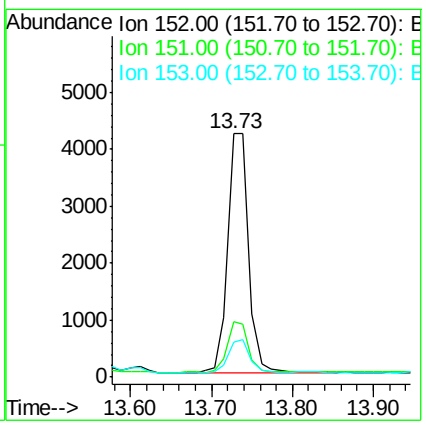


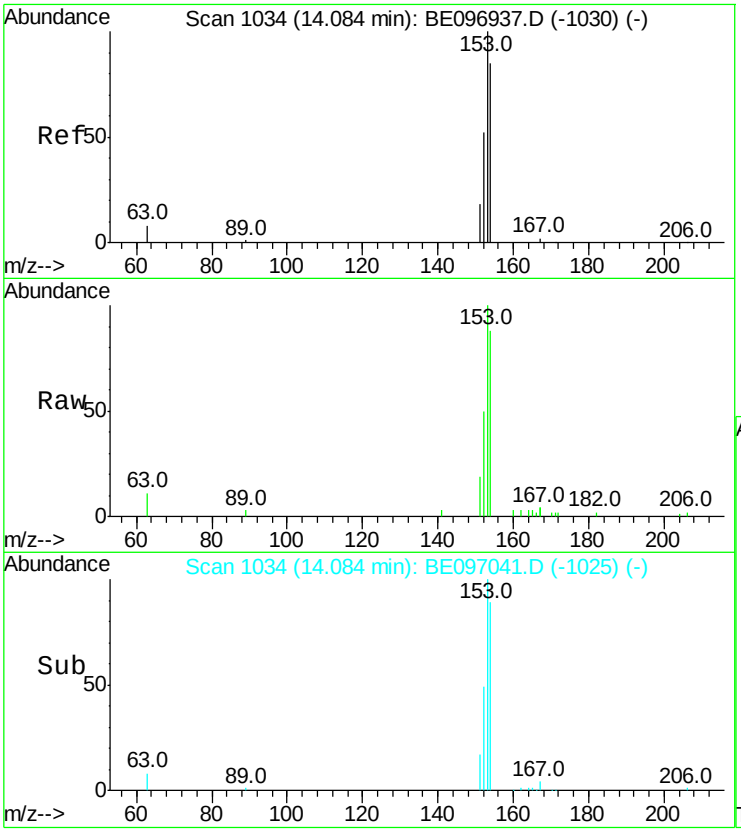


#16
Acenaphthylene
Concen: 0.376 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:152 Resp: 7565

Ion	Ratio	Lower	Upper
152	100		
151	21.5	15.7	23.5
153	14.2	10.5	15.7



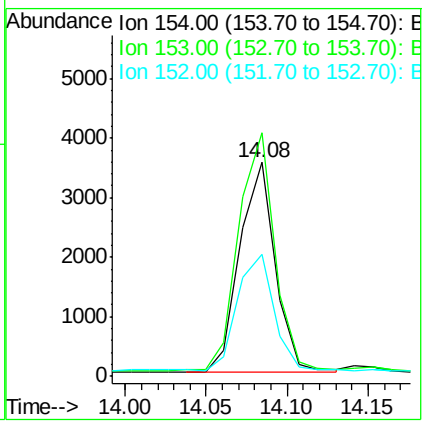


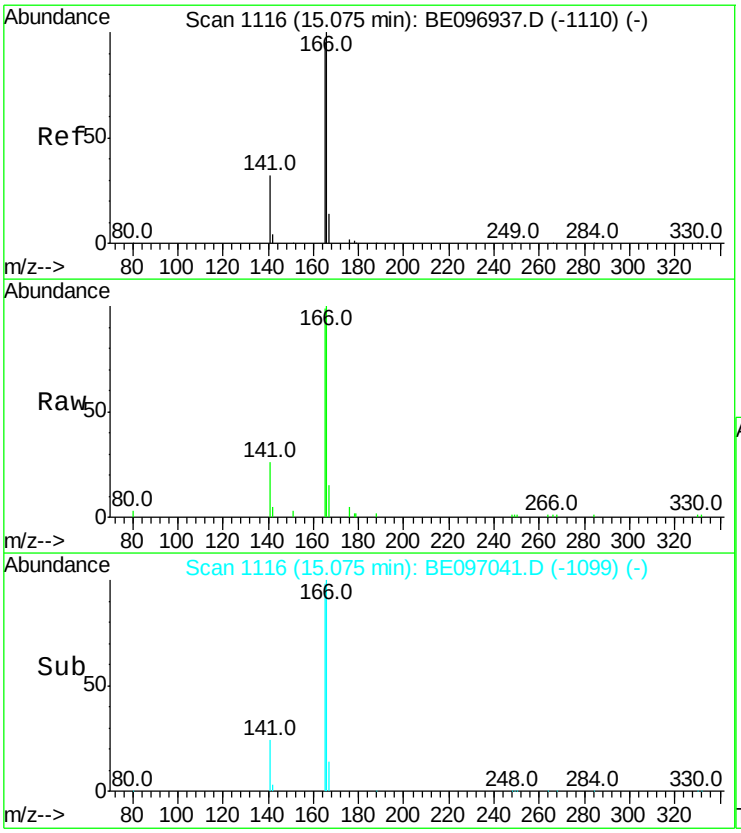
#17
Acenaphthene
Concen: 0.426 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:154 Resp: 5334

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.2	133.8
152	57.5	42.0	63.0

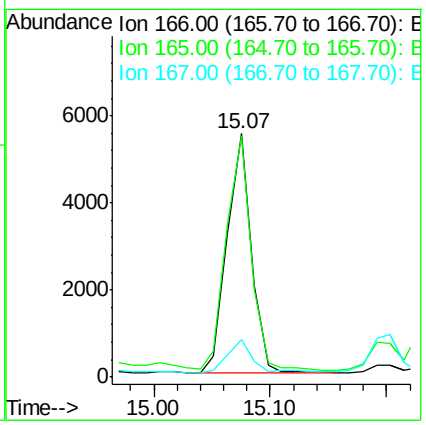


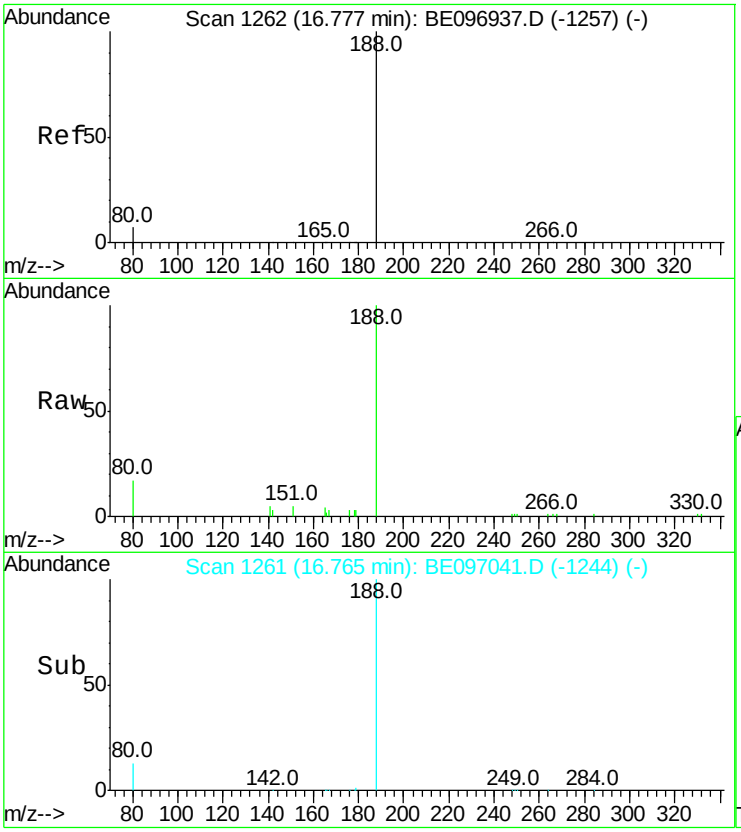


#18
Fluorene
Concen: 0.564 ng
RT: 15.07 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:166 Resp: 7922

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.8	116.6
167	14.3	42.4	63.6#



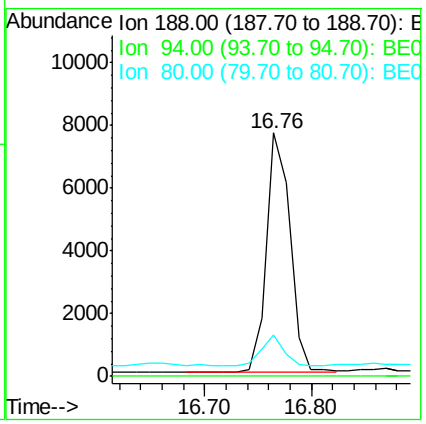


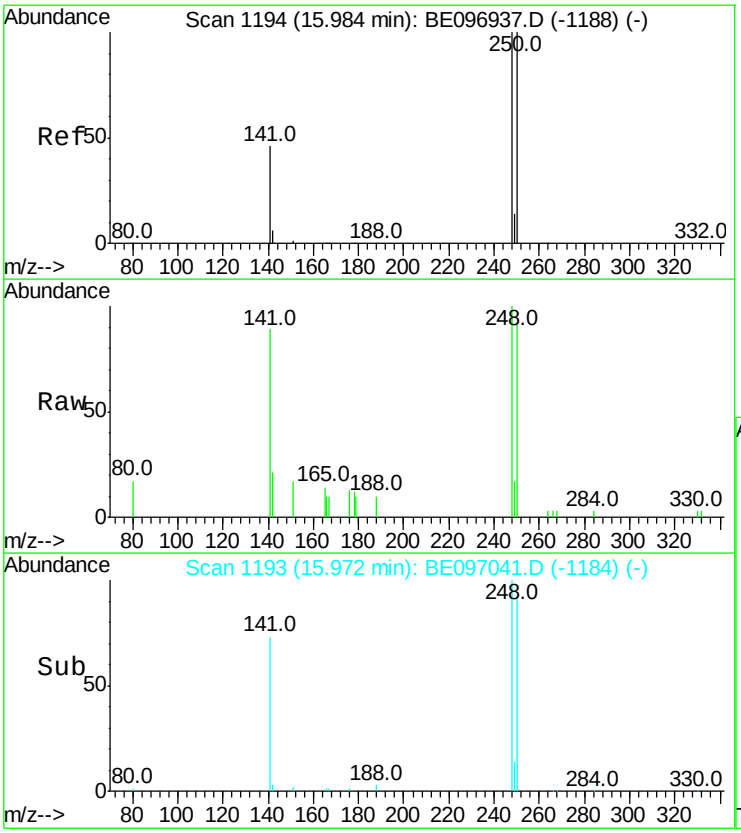
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:188 Resp: 11749

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	16.9	3.6	5.4#

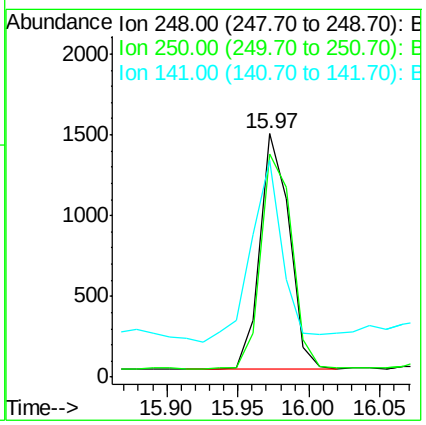


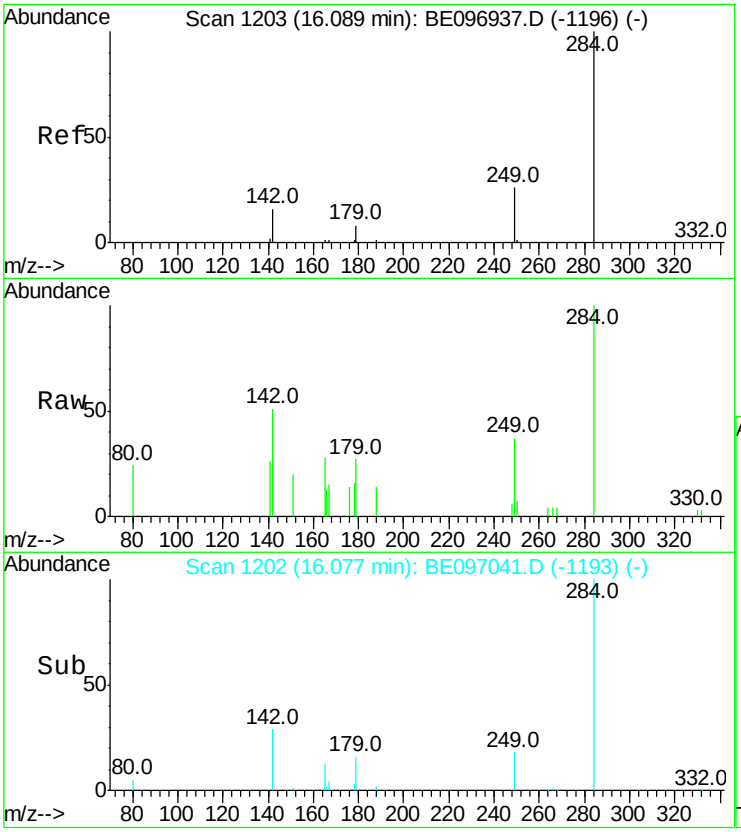


#20
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:248 Resp: 2089

Ion	Ratio	Lower	Upper
248	100		
250	91.6	62.7	94.1
141	89.1	48.2	72.2#



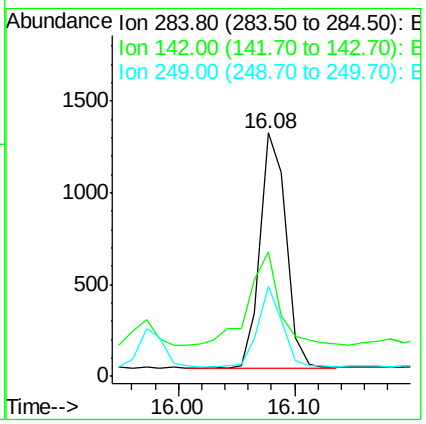


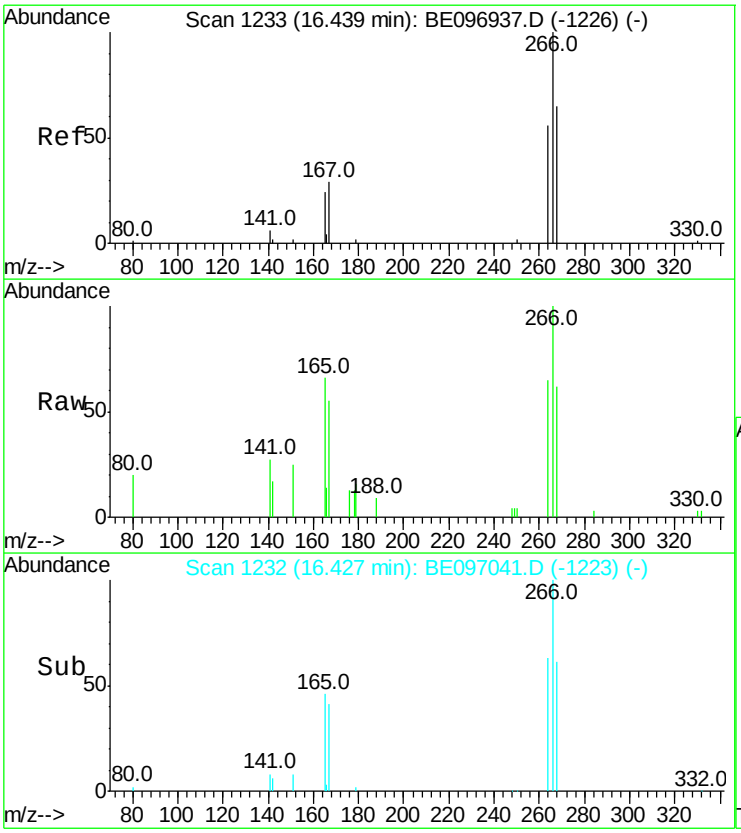
#21
Hexachlorobenzene
Concen: 0.325 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:284 Resp: 2006

Ion	Ratio	Lower	Upper
284	100		
142	47.8	22.1	33.1#
249	31.9	34.8	52.2#

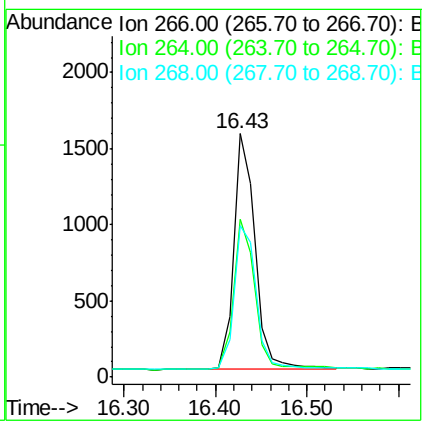


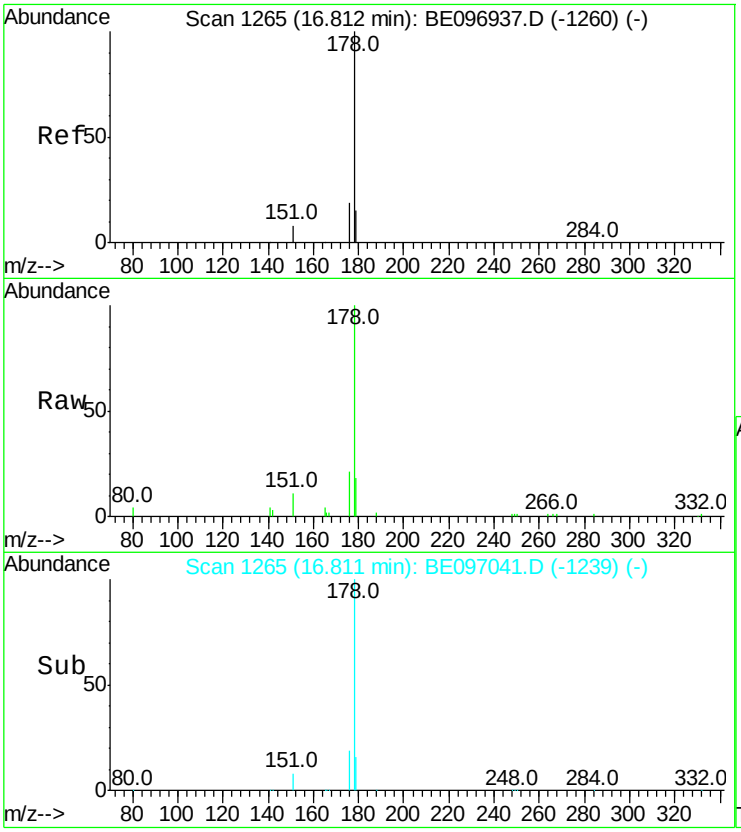


#22
Pentachlorophenol
Concen: 1.692 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:266 Resp: 2542

Ion	Ratio	Lower	Upper
266	100		
264	64.6	72.5	108.7#
268	62.0	73.8	110.6#



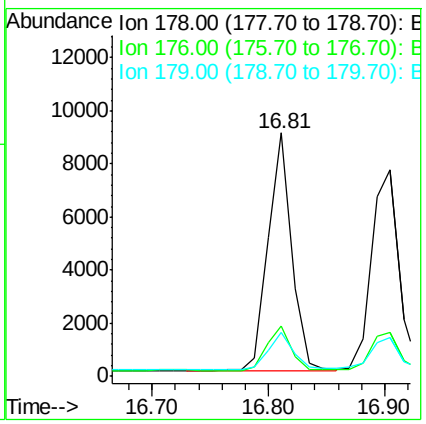


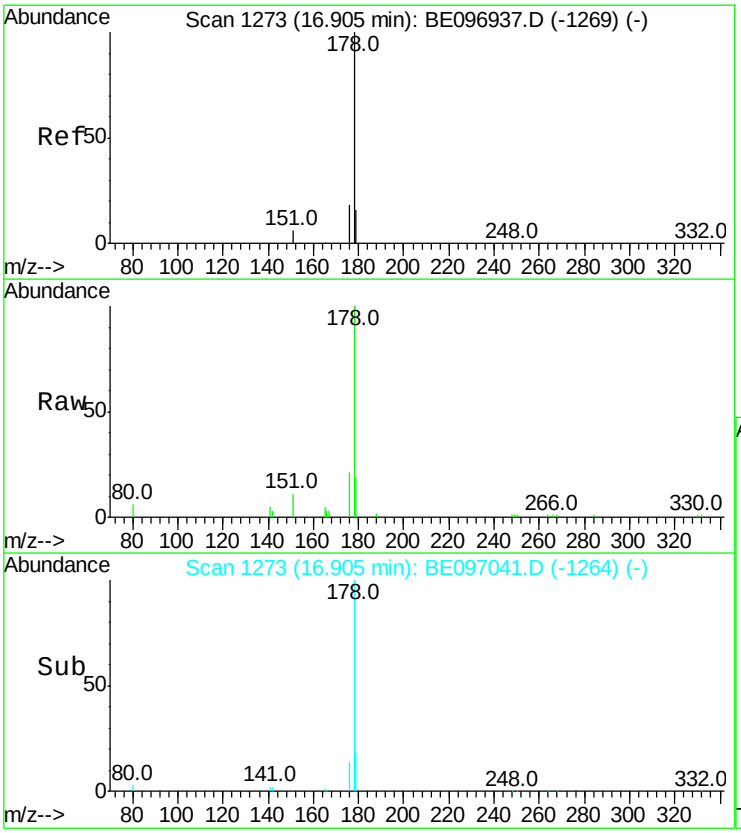
#23
Phenanthrene
Concen: 0.447 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:178 Resp: 12579

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	17.3	11.8	17.6

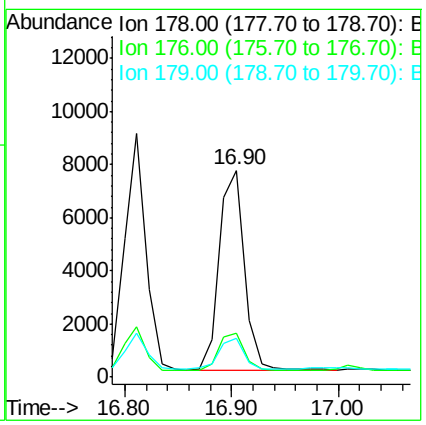


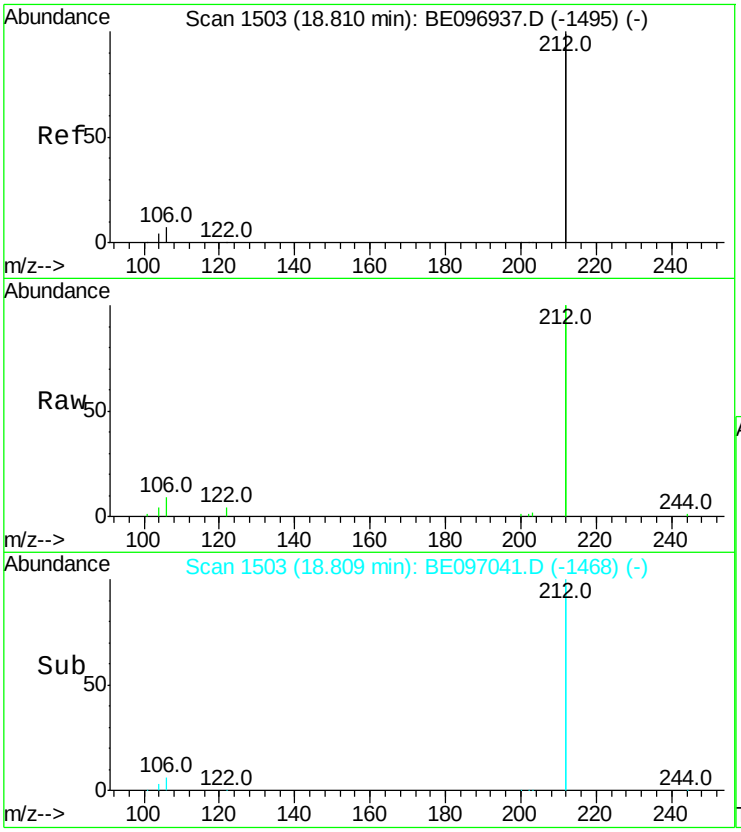


#24
Anthracene
Concen: 0.504 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:178 Resp: 12337

Ion	Ratio	Lower	Upper
178	100		
176	19.7	12.8	19.2#
179	15.2	13.0	19.6



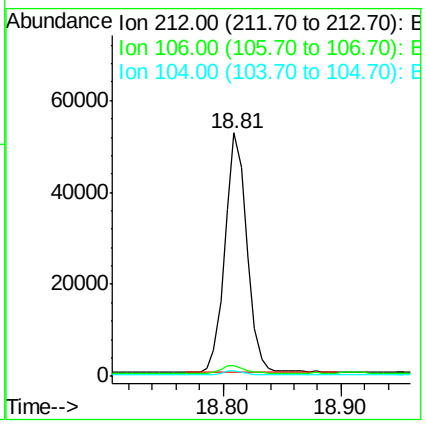


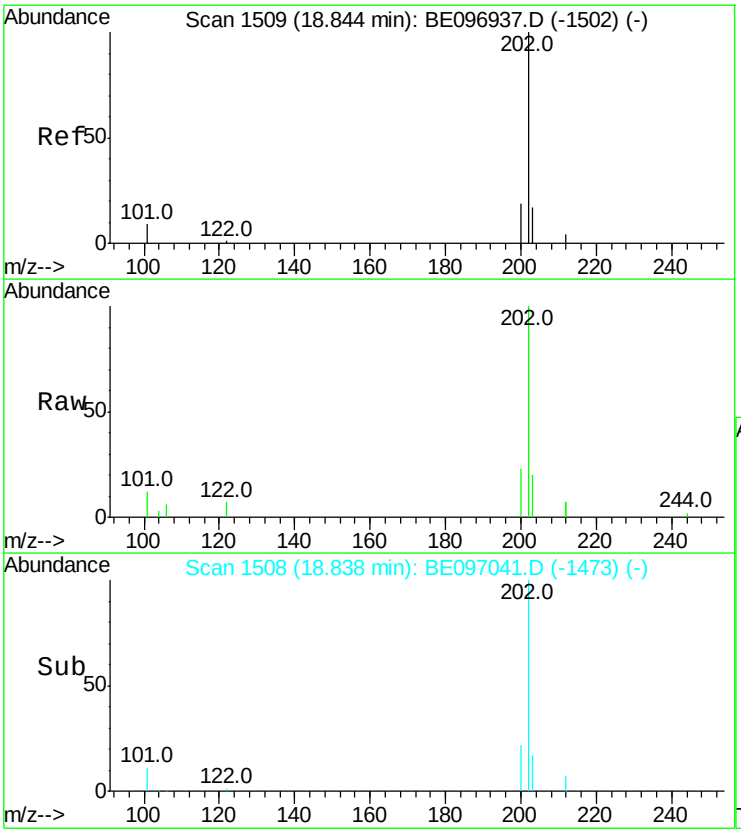
#25
Fluoranthene-d10
Concen: 0.655 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:212 Resp: 66979

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	1.8	1.6	2.4

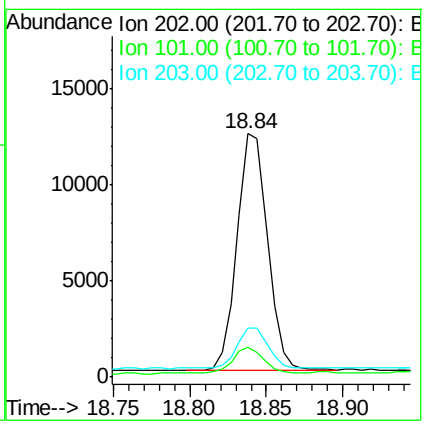


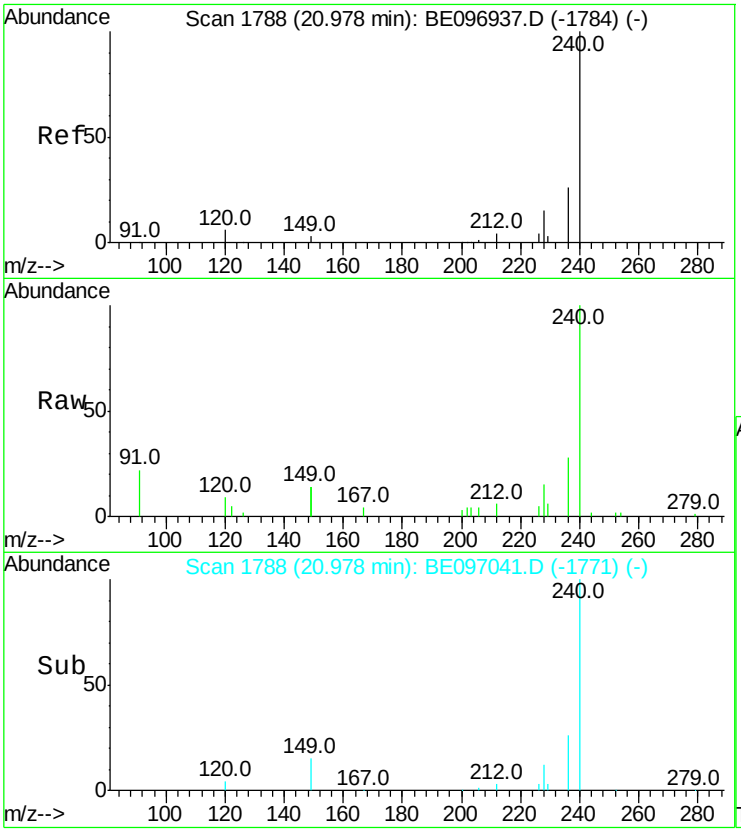


#26
Fluoranthene
Concen: 0.580 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:202 Resp: 17204

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	17.0	13.7	20.5



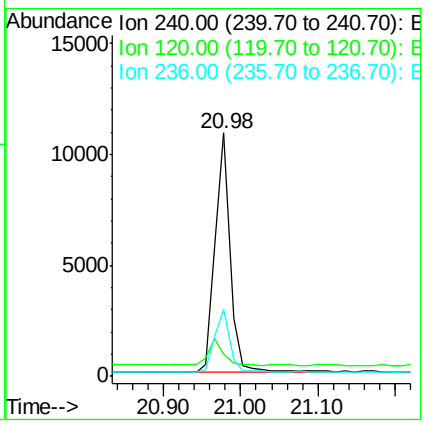


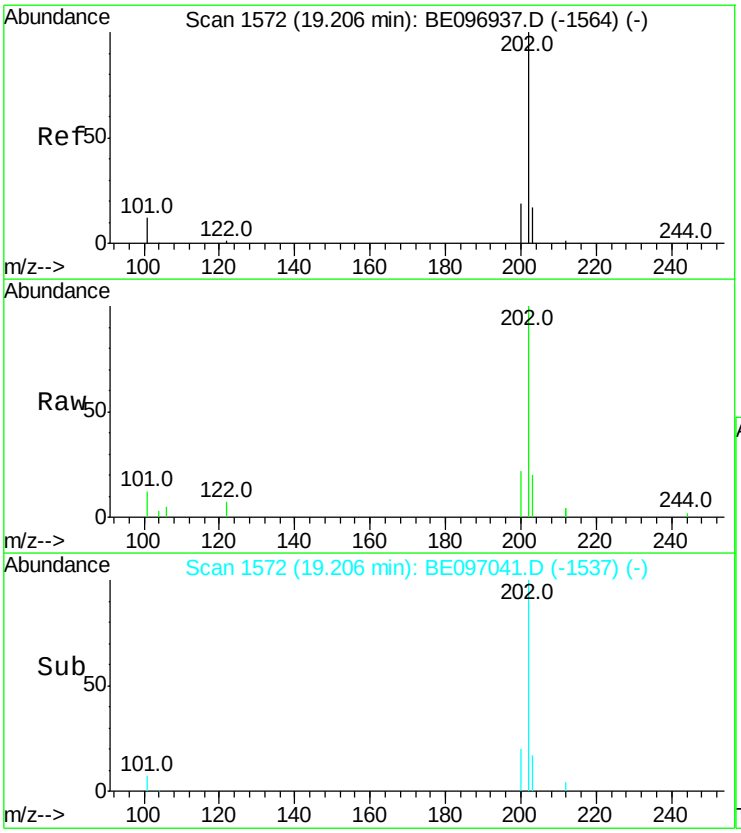
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:240 Resp: 14553

Ion	Ratio	Lower	Upper
240	100		
120	9.4	5.5	8.3#
236	27.6	20.7	31.1

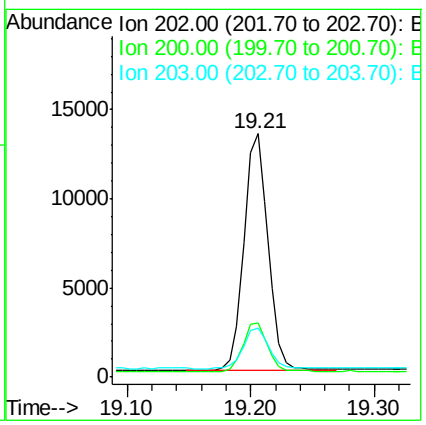


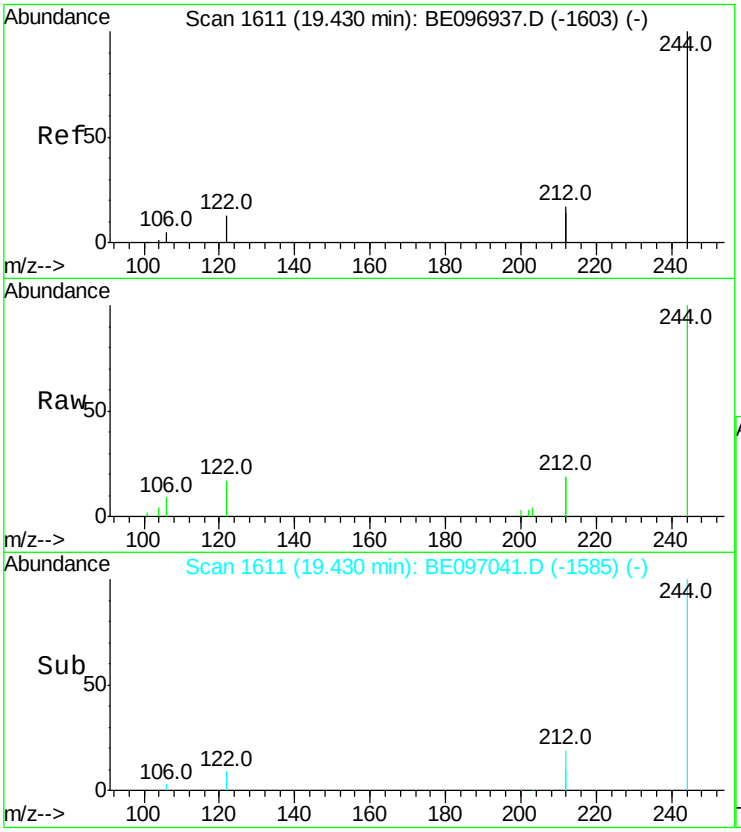


#28
Pyrene
Concen: 0.424 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:202 Resp: 18205

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	18.3	13.8	20.8



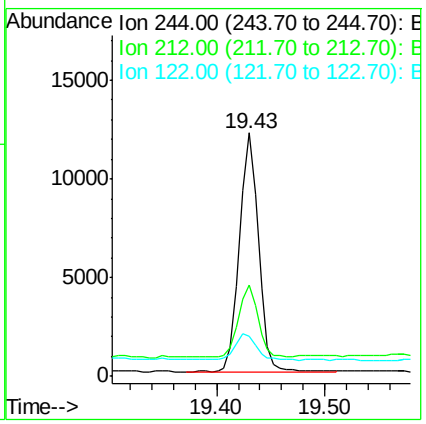


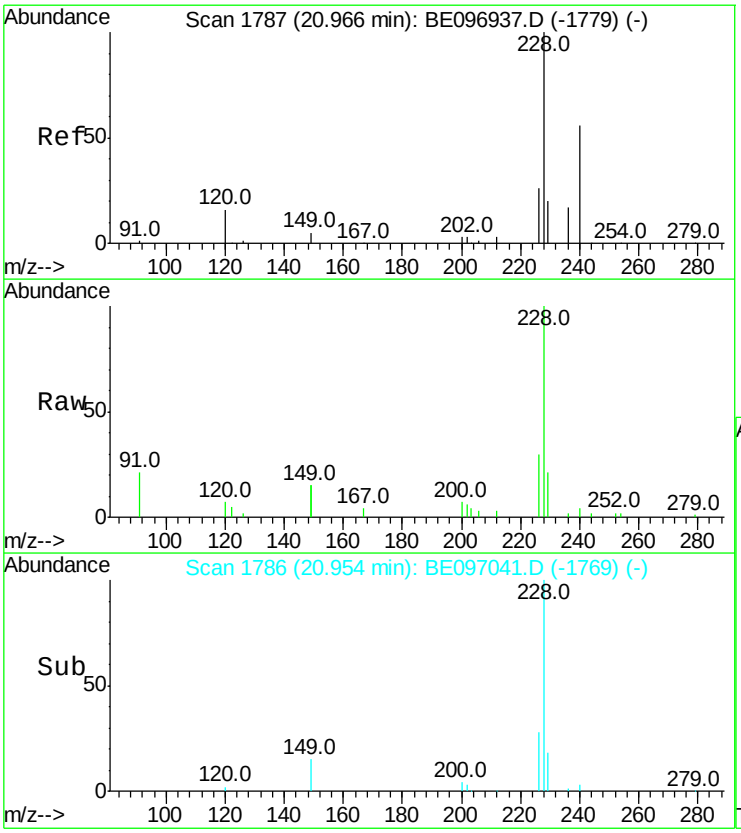
#29
Terphenyl-d14
Concen: 0.522 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:244 Resp: 14652

Ion	Ratio	Lower	Upper
244	100		
212	37.3	25.4	38.0
122	16.7	8.1	12.1#

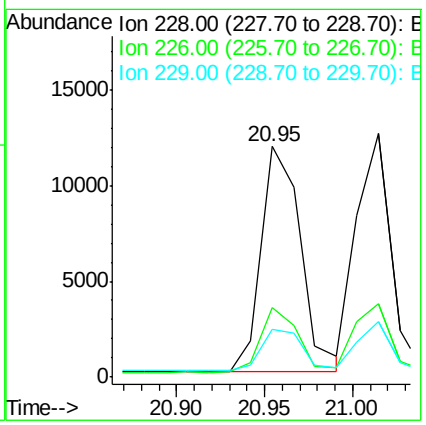


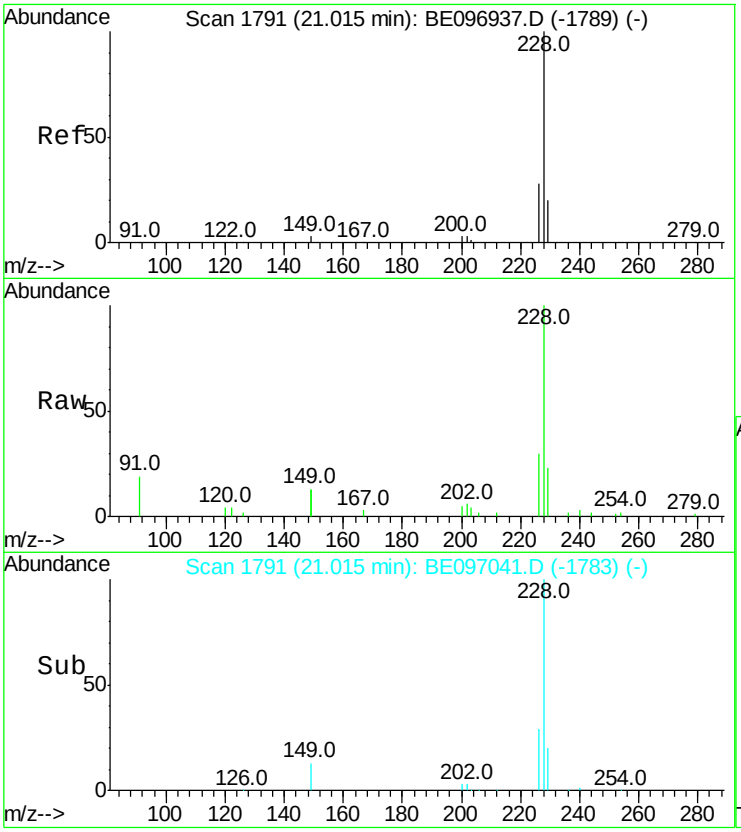


#30
Benzo(a)anthracene
Concen: 0.530 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:228 Resp: 18350

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.9	16.0	24.0



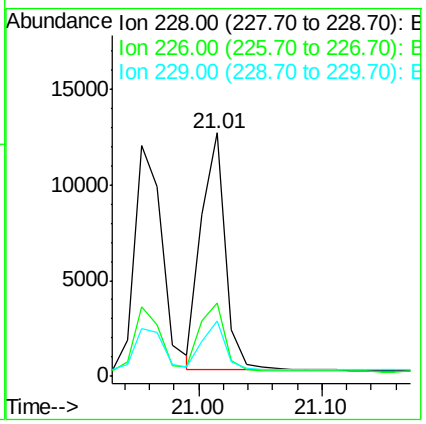


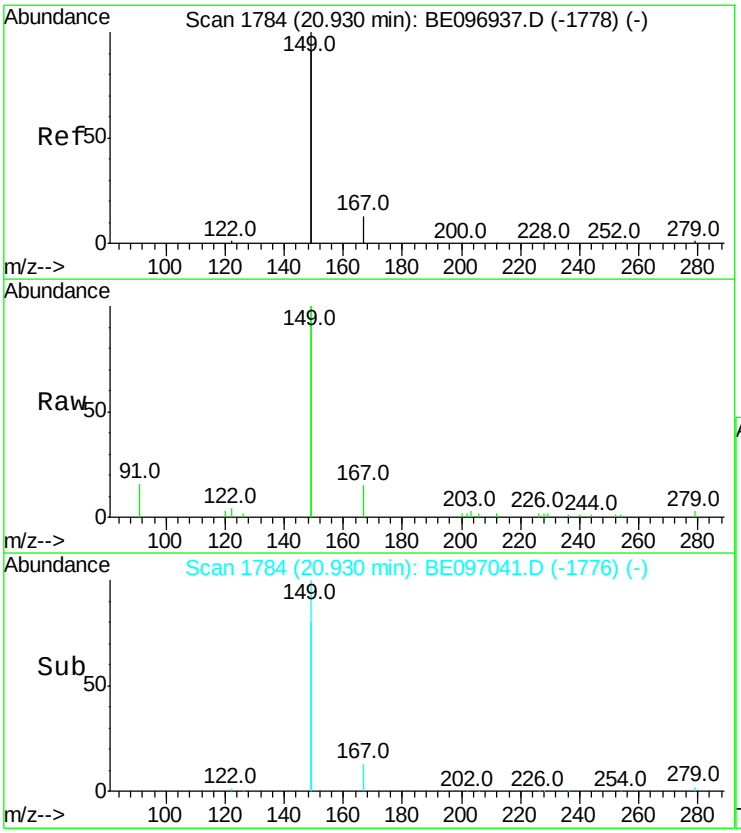
#31
Chrysene
Concen: 0.432 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:228 Resp: 16808

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	22.5	16.0	24.0

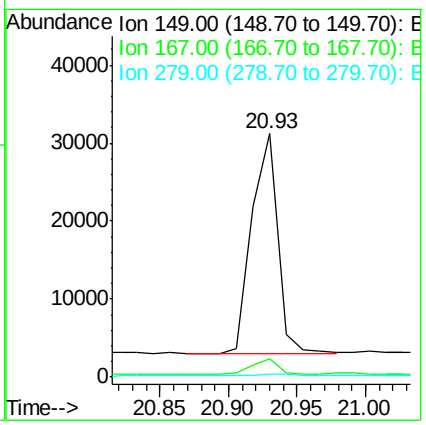


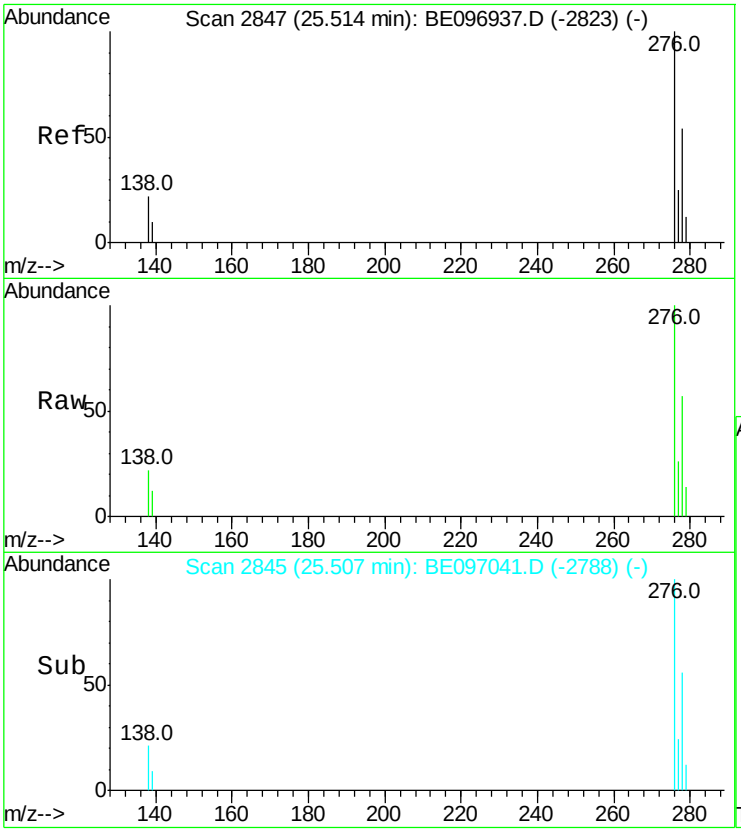


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.067 ng
RT: 20.93 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:149 Resp: 36920

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1



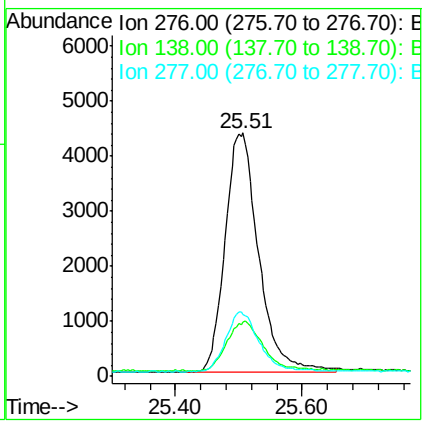


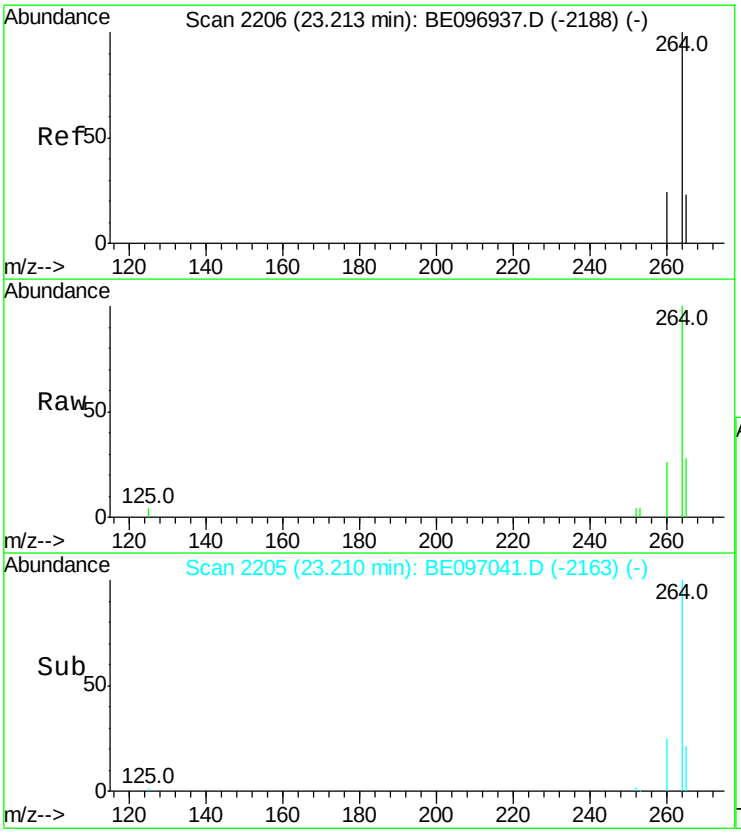
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.568 ng
RT: 25.51 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:276 Resp: 16097

Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.5	33.7#
277	24.7	19.9	29.9

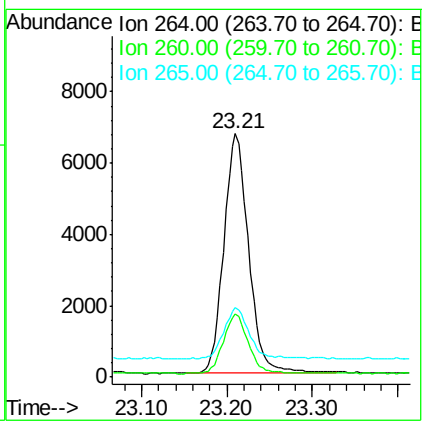


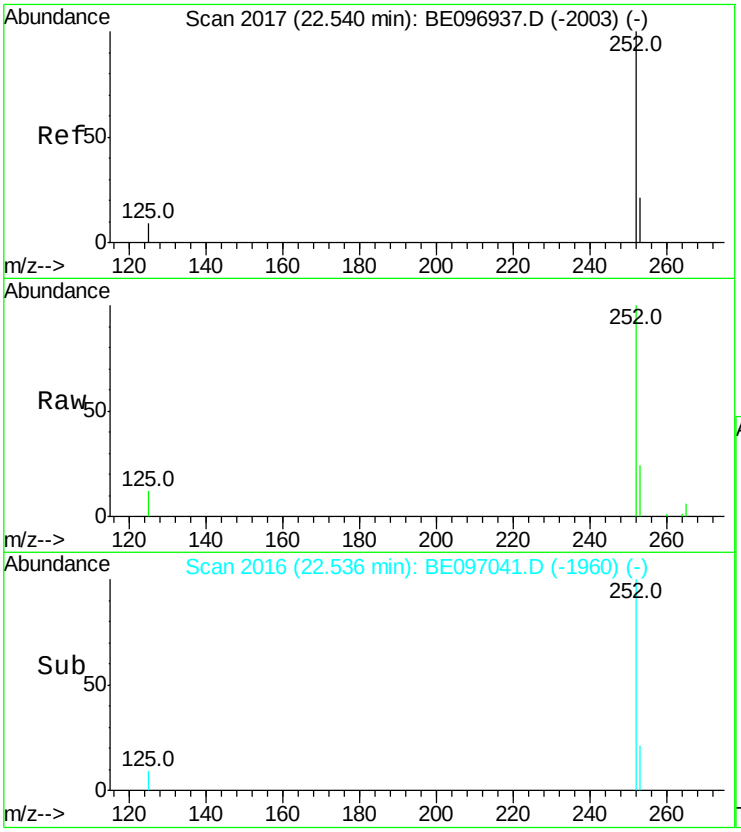


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:264 Resp: 13615

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	28.4	22.8	34.2



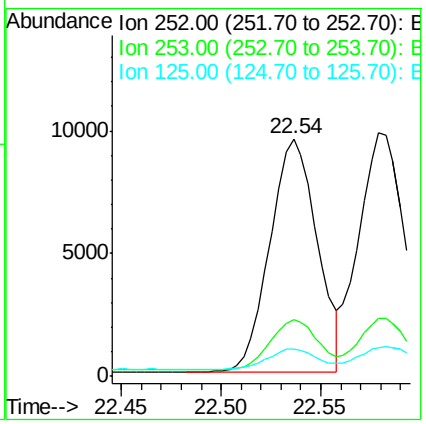


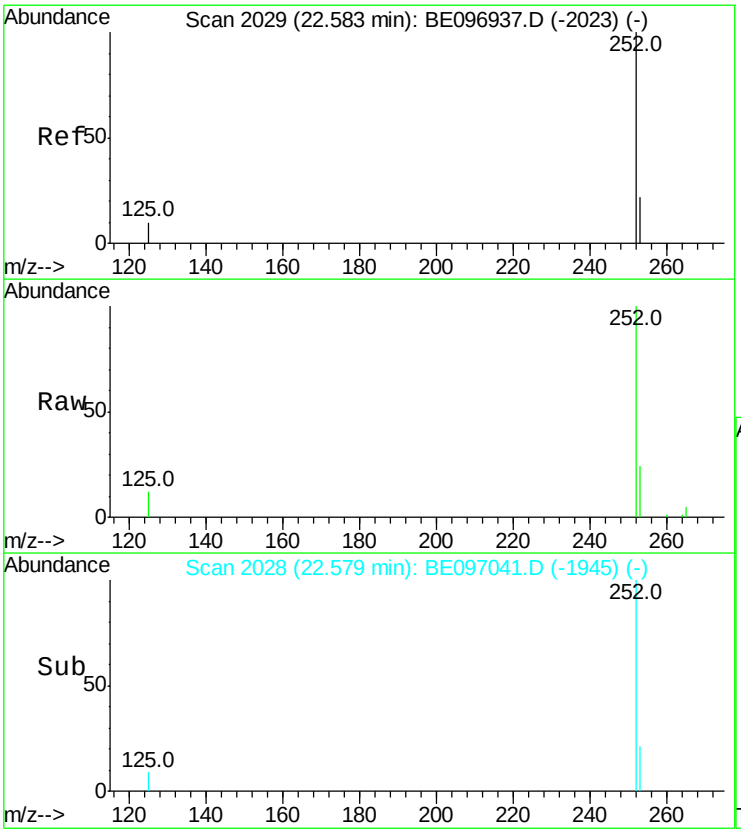
#35
Benzo(b)fluoranthene
Concen: 0.450 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:252 Resp: 15639

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.0	30.0
125	11.5	16.0	24.0#

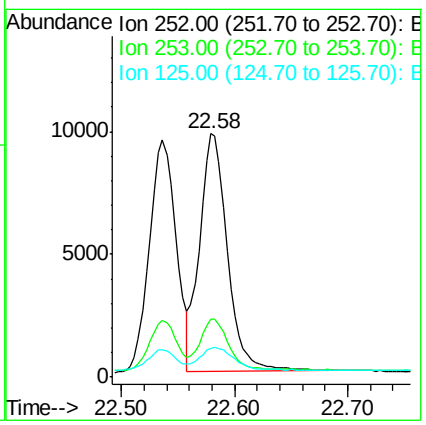


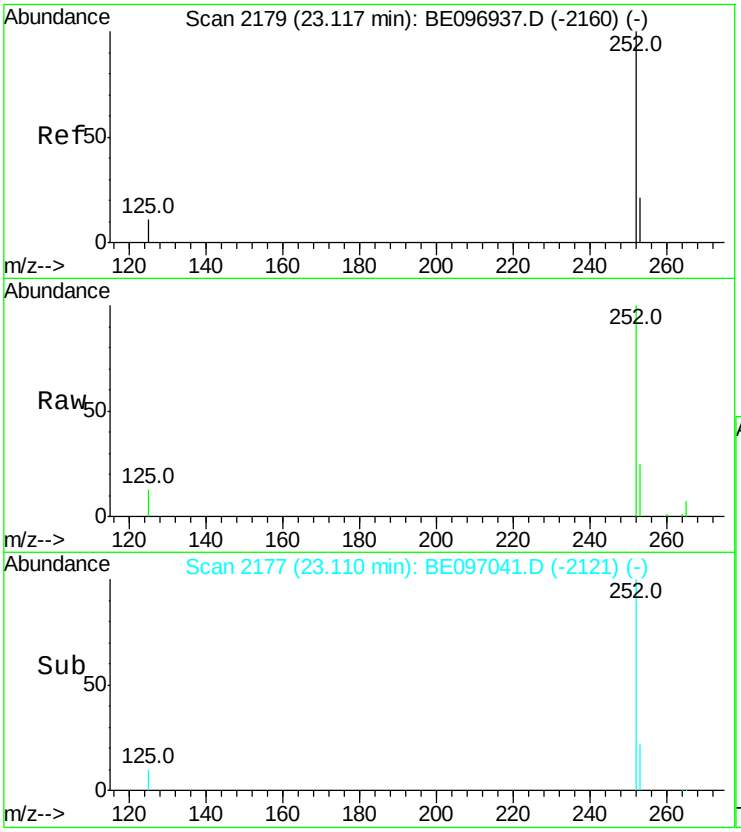


#36
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:252 Resp: 16645

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0
125	12.0	8.0	12.0



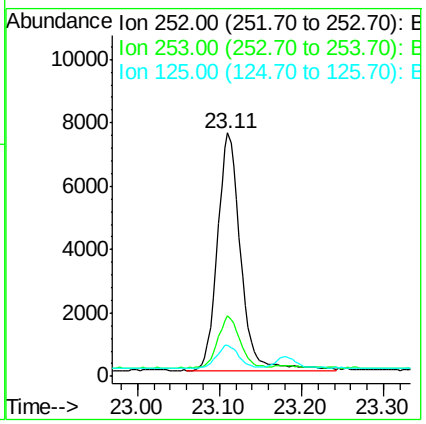


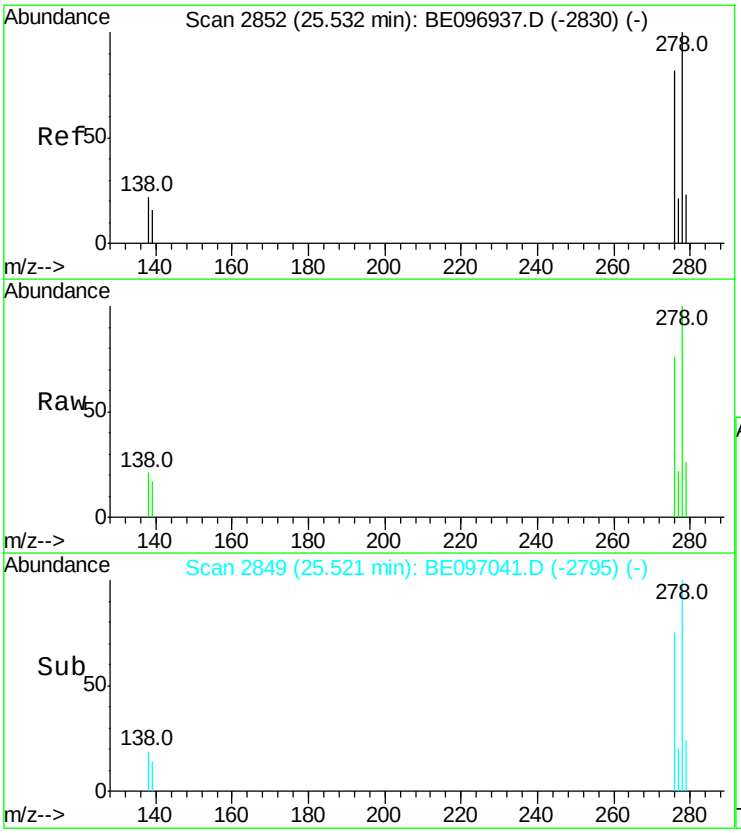
#37
Benzo(a)pyrene
Concen: 0.474 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:252 Resp: 14750

Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.0	24.0#
125	12.8	12.0	18.0

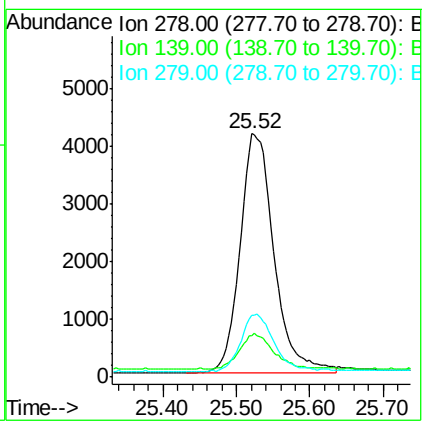


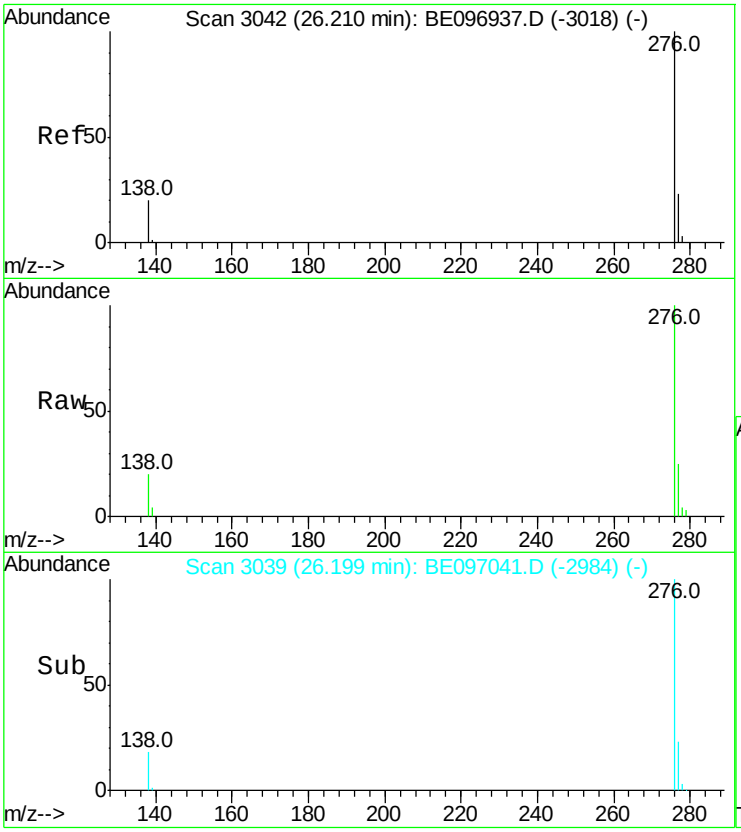


#38
Dibenzo(a,h)anthracene
Concen: 0.506 ng
RT: 25.52 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:278 Resp: 13198

Ion	Ratio	Lower	Upper
278	100		
139	17.1	16.0	24.0
279	25.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.487 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

Tgt Ion:276 Resp: 13761

Ion	Ratio	Lower	Upper
276	100		
277	24.8	16.0	24.0#
138	20.1	20.0	30.0