Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097066.D
Acq On : 24 Jul 2018 10:06
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Jul 24 11:09:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 11:09:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1384	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	6893	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	4330	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	11645	0.40	ng		0.00
27) Chrysene-d12	20.98	240	10727	0.40	ng		0.00
34) Perylene-d12	23.21	264	8932	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1462	0.44	ng		0.00
5) Phenol-d6	6.60	99	2119	0.42	ng		0.00
8) Nitrobenzene-d5	8.52	82	2260	0.45	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	3938	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	515	0.47	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5832	0.36	ng		0.00
25) Fluoranthene-d10	18.81	212	42729	0.42	ng		0.00
29) Terphenyl-d14	19.43	244	7750	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	853	0.431	ng	#	92
3) n-Nitrosodimethylamine	3.38	42	914	0.410	ng	#	91
6) bis(2-Chloroethyl)ether	6.84	93	1927	0.389	ng		96
9) Naphthalene	10.20	128	23552	0.382	ng		100
10) Hexachlorobutadiene	10.48	225	1062	0.426	ng		98
12) 2-Methylnaphthalene	11.80	142	4045	0.386	ng		98
16) Acenaphthylene	13.73	152	7570	0.383	ng		99
17) Acenaphthene	14.08	154	4411	0.359	ng		92
18) Fluorene	15.08	166	5717	0.414	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	2168	0.394	ng	#	85
21) Hexachlorobenzene	16.08	284	2381	0.389	ng	#	83
22) Pentachlorophenol	16.44	266	531	0.529	ng	#	75
23) Phenanthrene	16.81	178	10610	0.380	ng		99
24) Anthracene	16.91	178	9259	0.382	ng		95
26) Fluoranthene	18.84	202	11648	0.396	ng		98
28) Pyrene	19.20	202	11232	0.355	ng		99
30) Benzo(a)anthracene	20.95	228	9605	0.376	ng		98
31) Chrysene	21.01	228	11111	0.388	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	10941	0.429	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	9685	0.464	ng	#	91
35) Benzo(b)fluoranthene	22.54	252	8543	0.375	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	9800	0.361	ng		95
37) Benzo(a)pyrene	23.11	252	8030	0.394	ng	#	91
38) Dibenzo(a,h)anthracene	25.54	278	8033	0.482	ng		96
39) Benzo(g,h,i)perylene	26.20	276	8554	0.462	ng	#	90

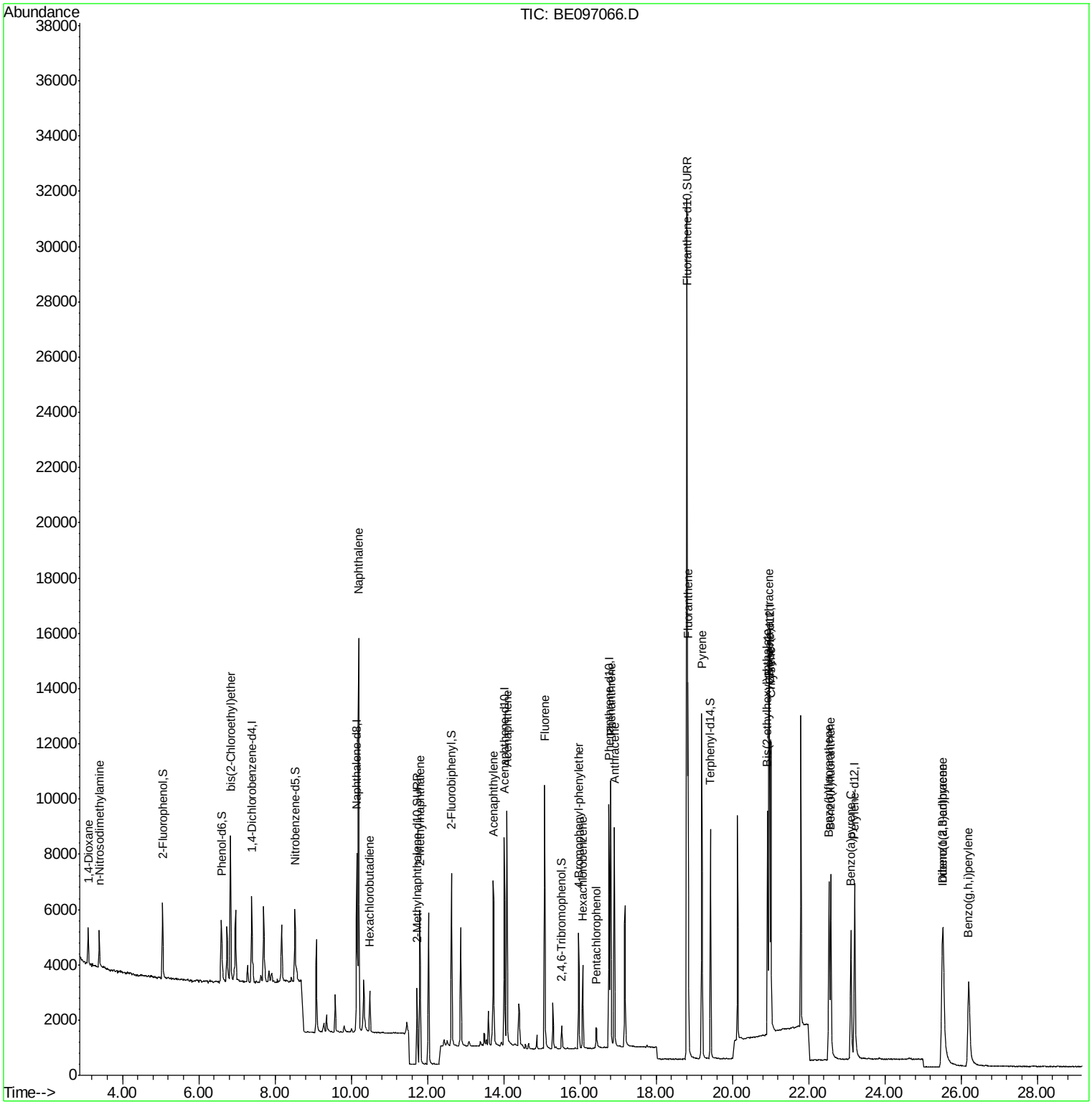
(#) = qualifier out of range (m) = manual integration (+) = signals summed

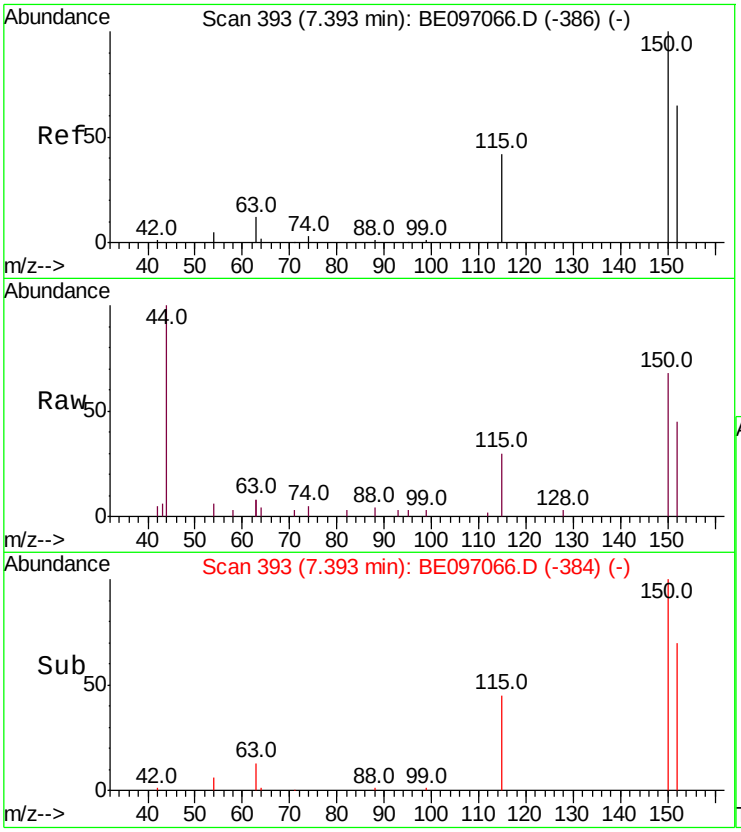
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097066.D
Acq On : 24 Jul 2018 10:06
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Jul 24 11:09:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 11:09:08 2018
Response via : Initial Calibration



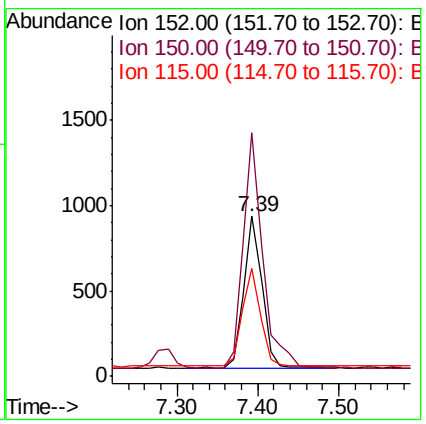


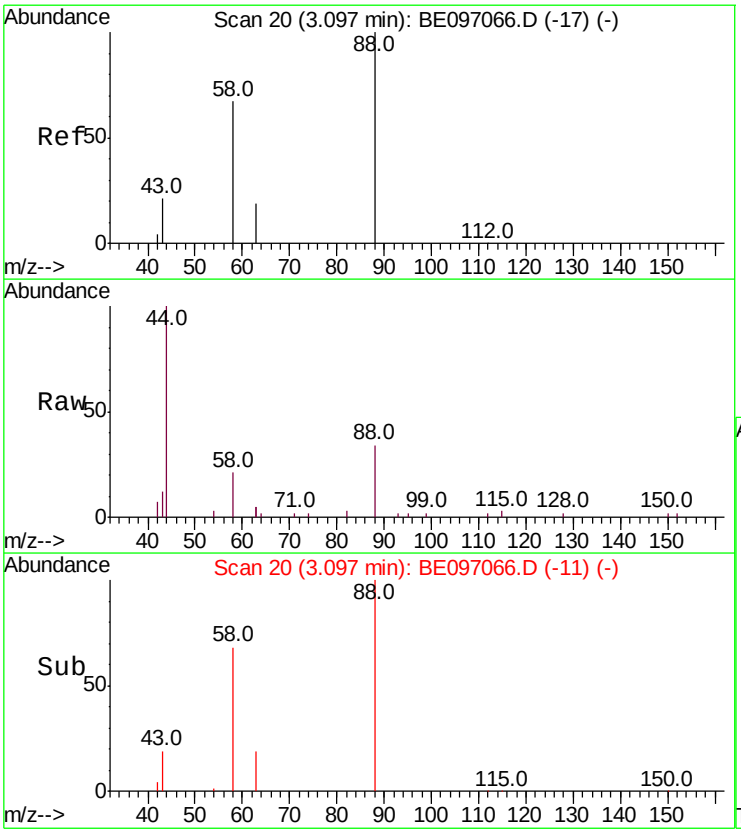
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1384

Ion	Ratio	Lower	Upper
152	100		
150	152.1	117.2	175.8
115	67.7	57.0	85.6

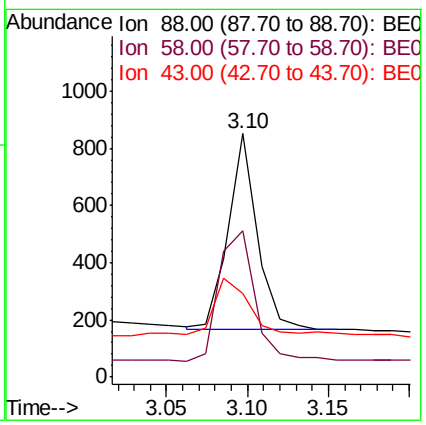


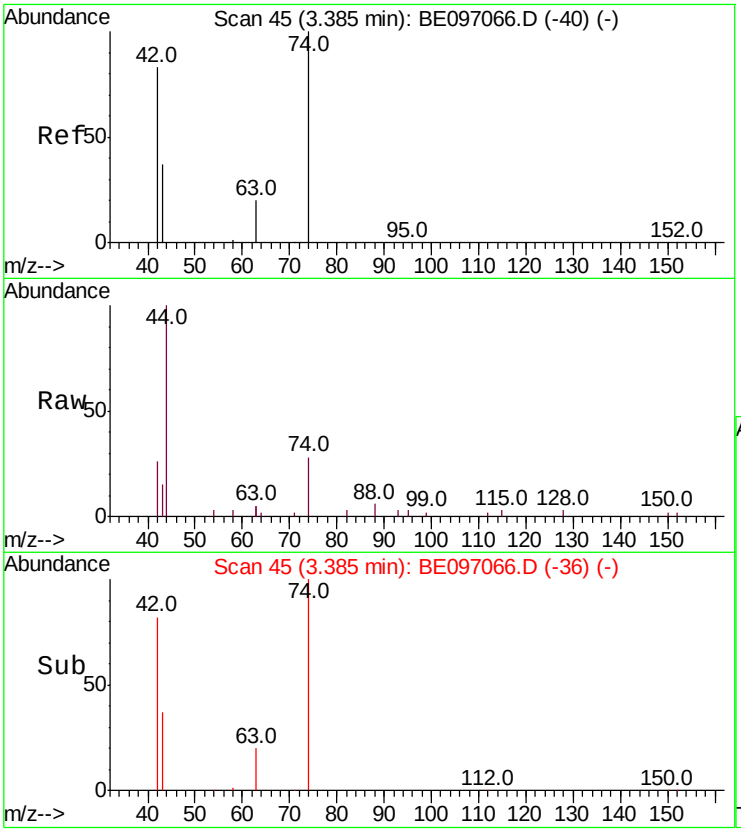


#2
1,4-Dioxane
Concen: 0.431 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion: 88 Resp: 853

Ion	Ratio	Lower	Upper
88	100		
58	81.1	63.2	94.8
43	40.2	41.2	61.8#



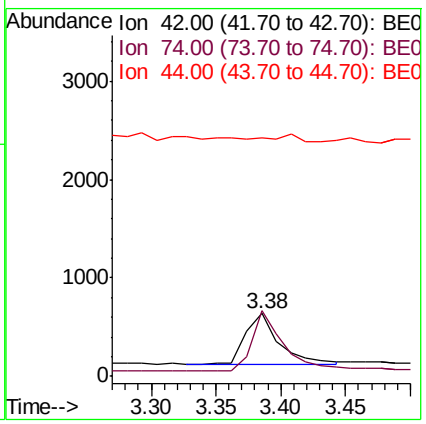


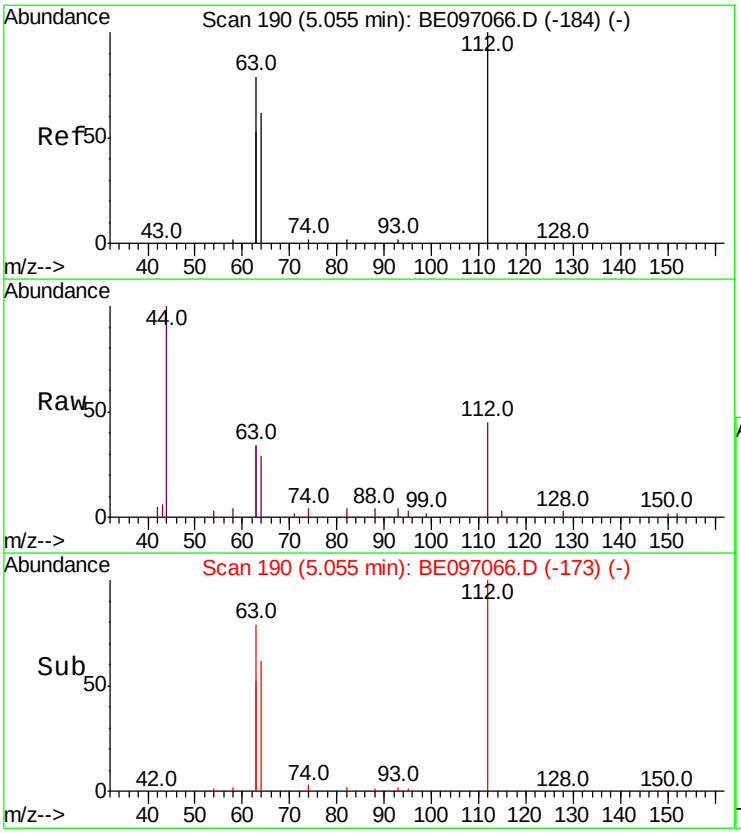
#3
n-Nitrosodimethylamine
Concen: 0.410 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 914

Ion	Ratio	Lower	Upper
42	100		
74	113.2	96.0	144.0
44	0.0	12.0	18.0#

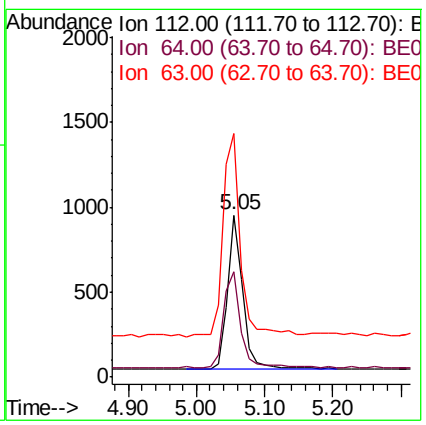


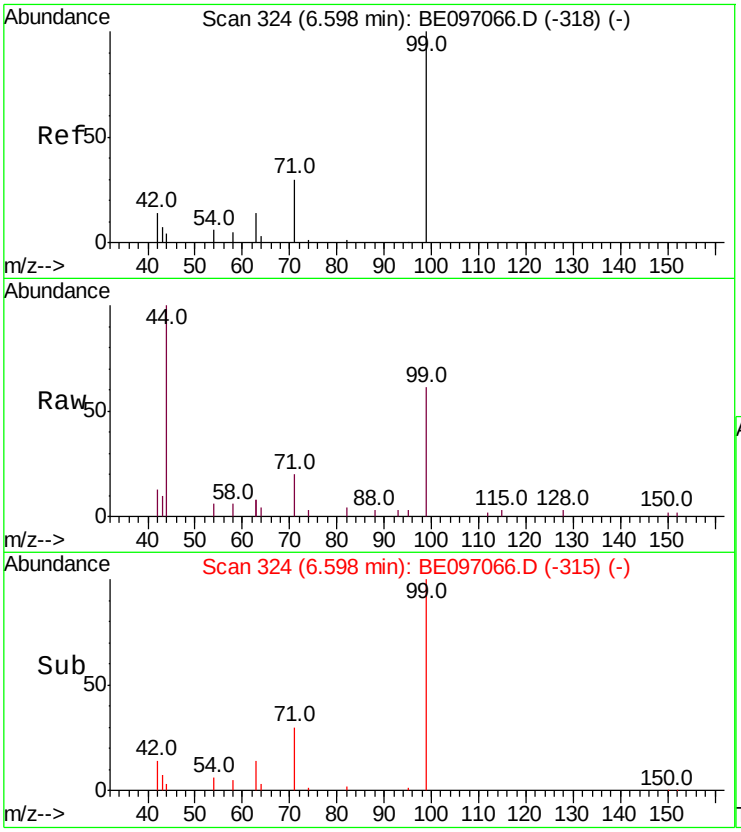


#4
2-Fluorophenol
Concen: 0.442 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:112 Resp: 1462

Ion	Ratio	Lower	Upper
112	100		
64	69.0	60.1	90.1
63	149.5	116.8	175.2



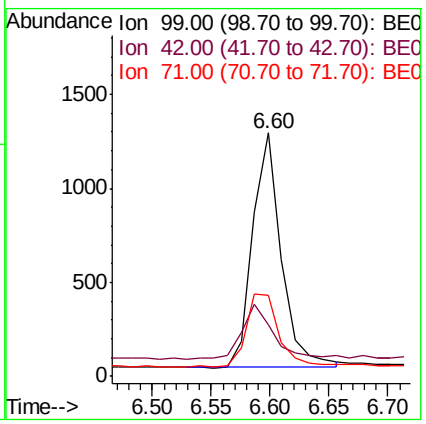


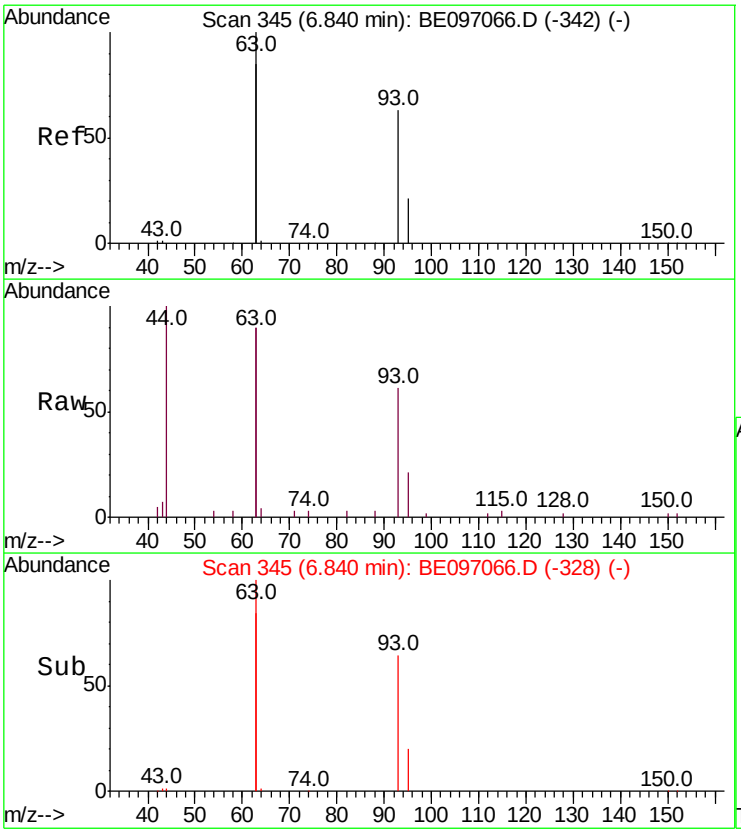
#5
Phenol-d6
Concen: 0.419 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2119

Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.2	30.2
71	35.0	28.4	42.6

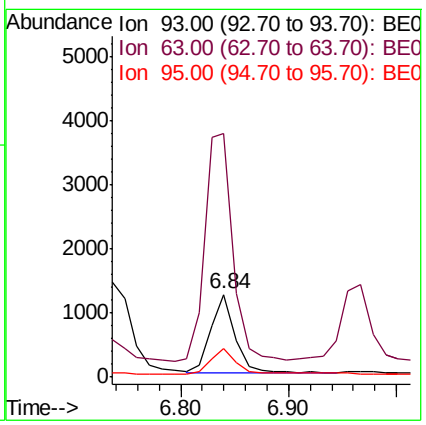


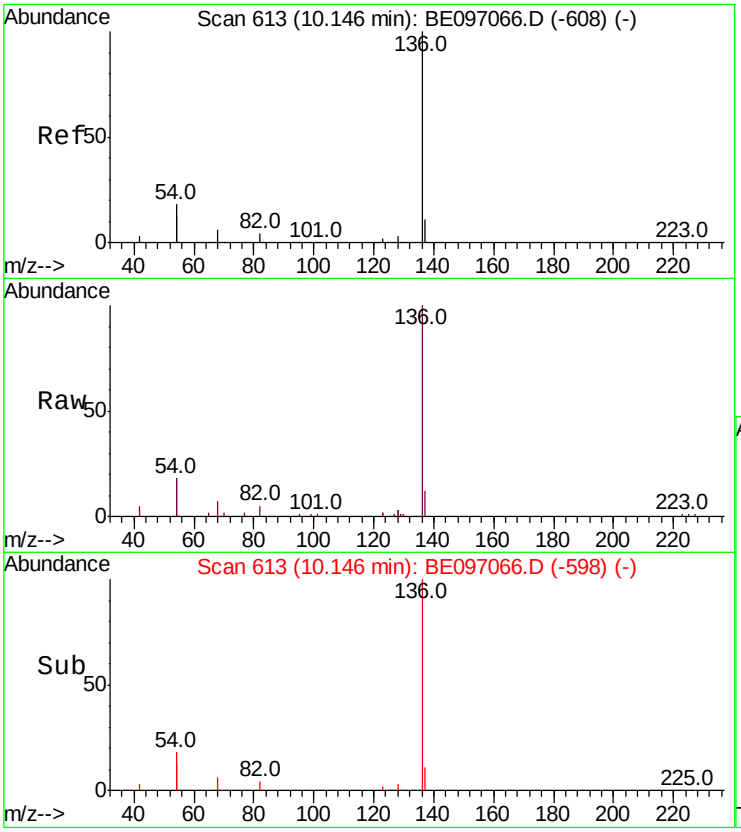


#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion: 93 Resp: 1927

Ion	Ratio	Lower	Upper
93	100		
63	335.9	275.3	412.9
95	33.7	25.2	37.8



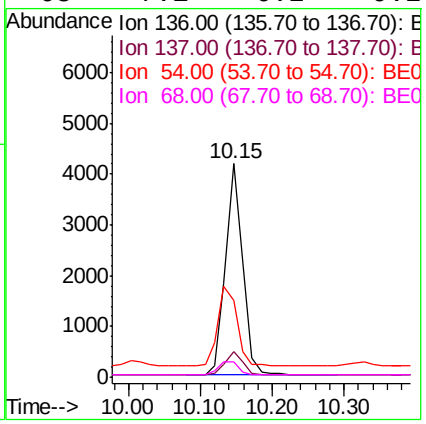


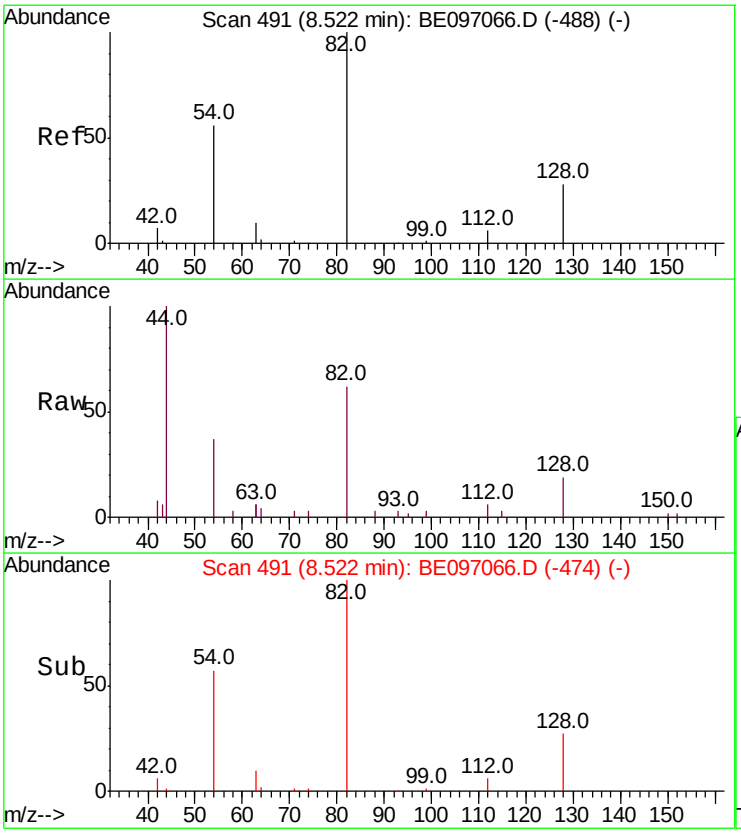
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 6893

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	36.0	29.1	43.7
68	7.1	6.2	9.2

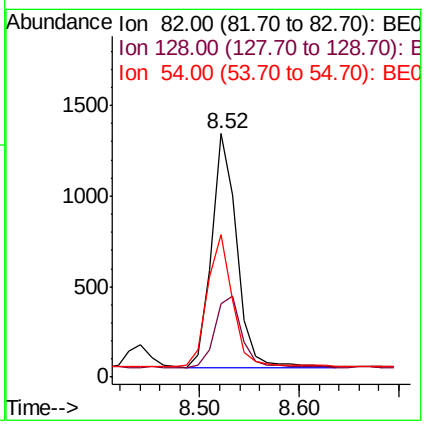


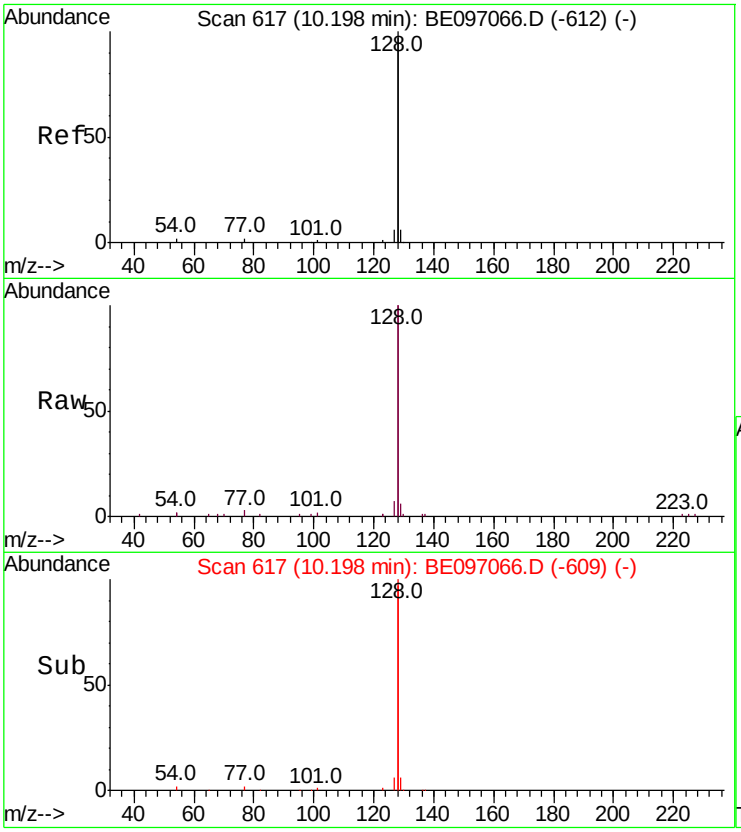


#8
Nitrobenzene-d5
Concen: 0.450 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion: 82 Resp: 2260

Ion	Ratio	Lower	Upper
82	100		
128	30.4	24.0	36.0
54	58.7	40.0	60.0



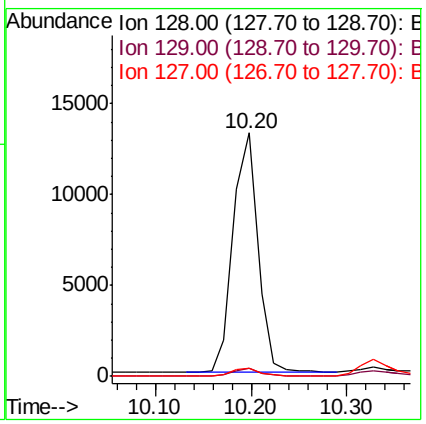


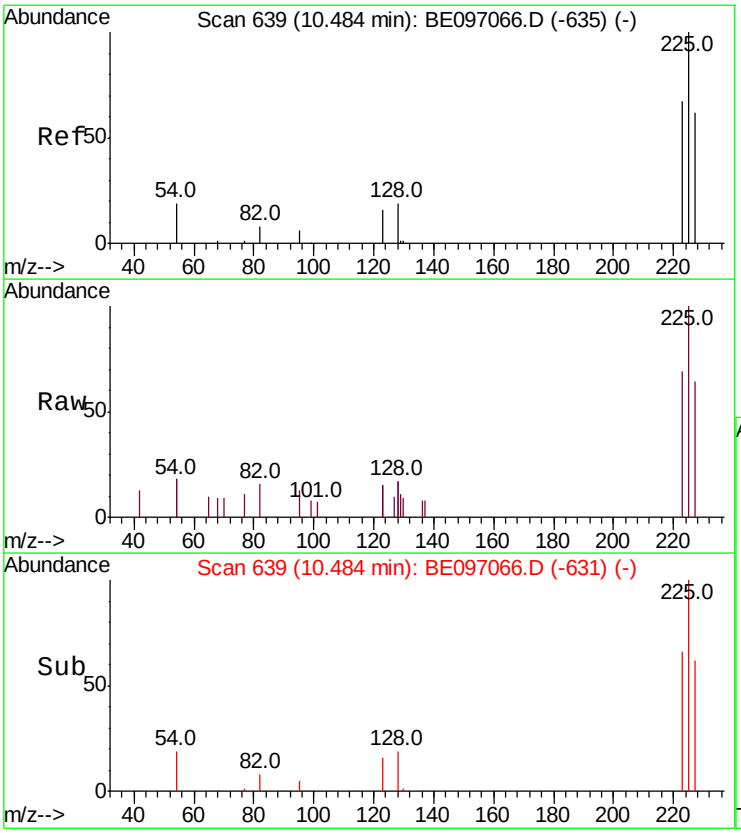
#9
Naphthalene
Concen: 0.382 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 23552

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.3	2.8	4.2

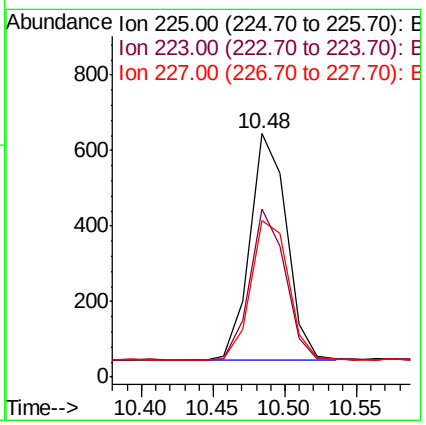


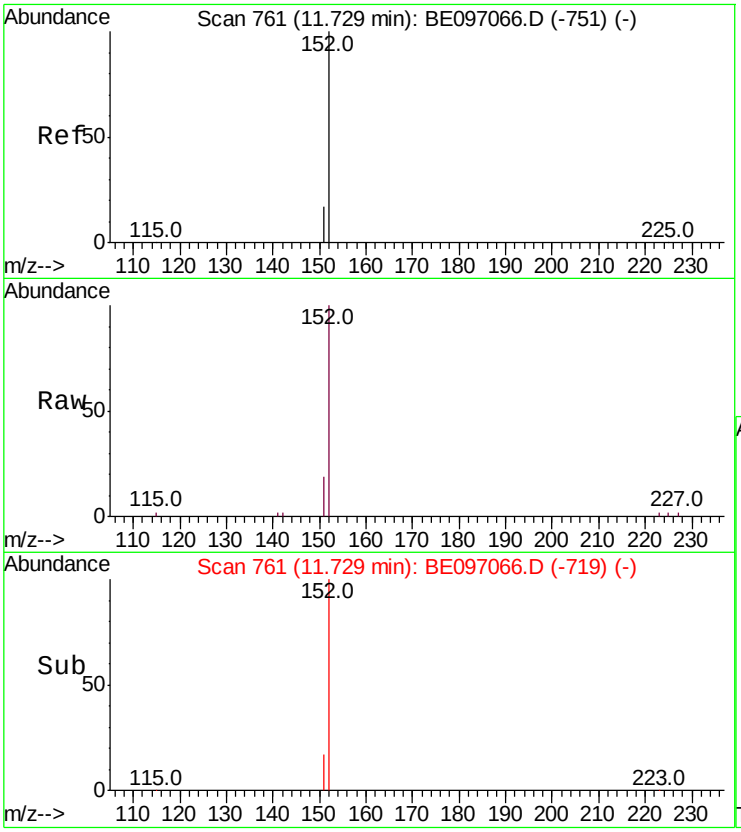


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 10.48 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:225 Resp: 1062

Ion	Ratio	Lower	Upper
225	100		
223	63.8	53.0	79.6
227	63.1	51.4	77.2



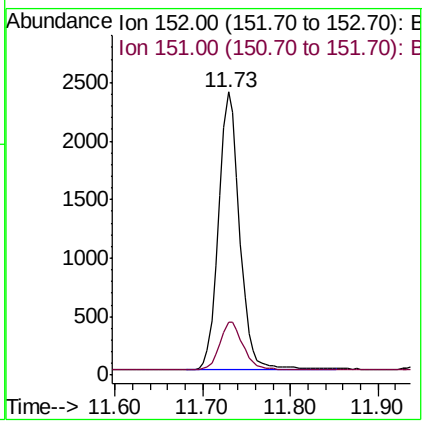


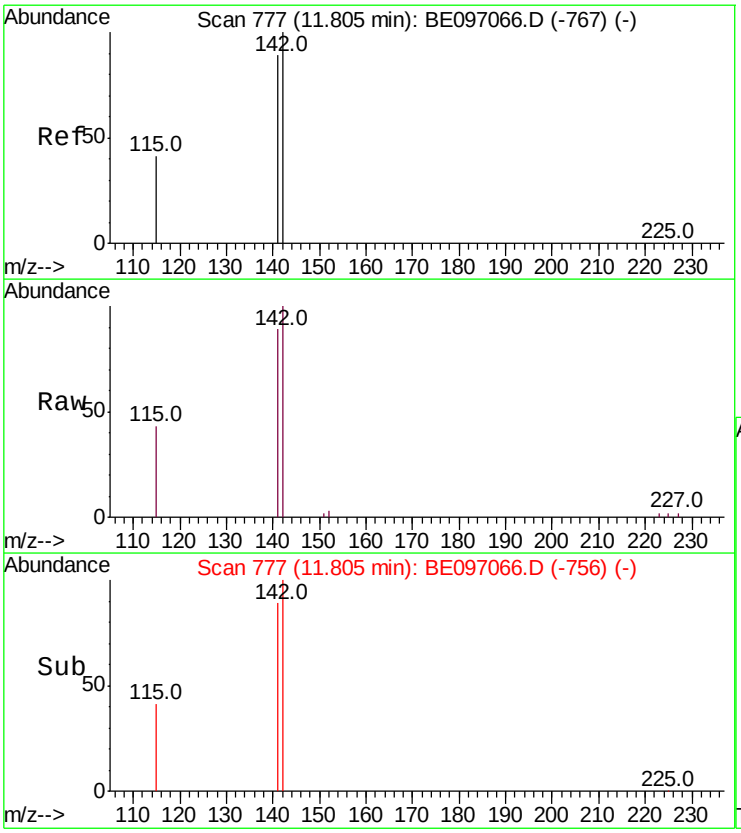
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3938

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.0

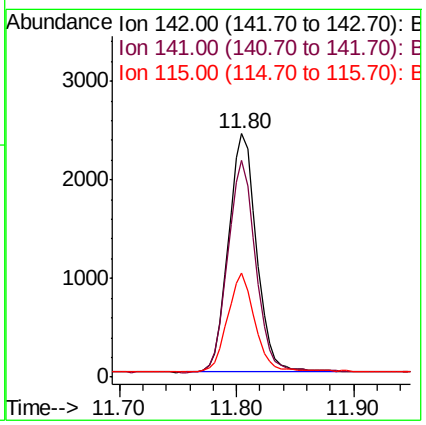


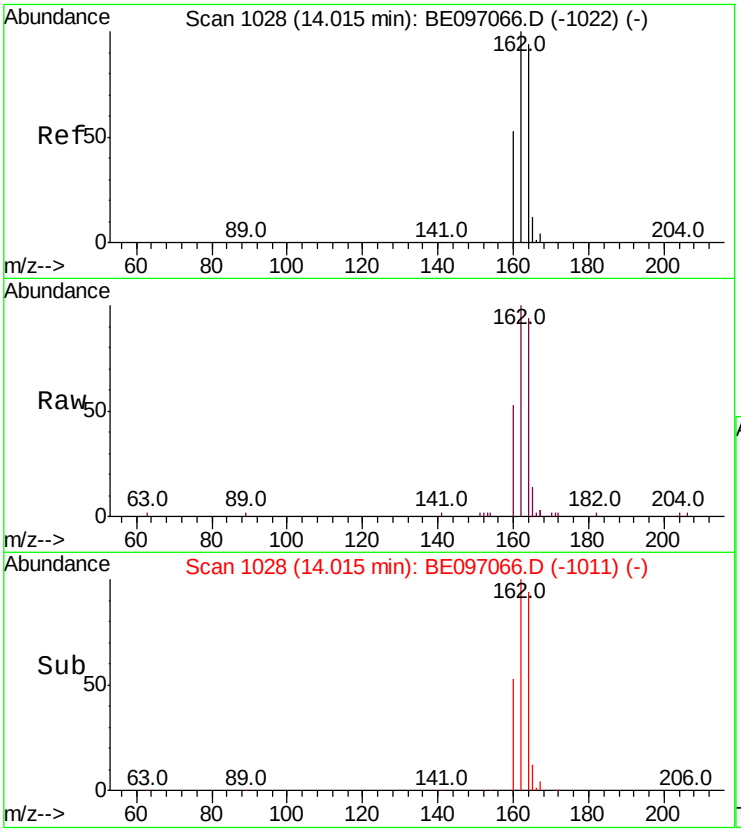


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 11.80 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:142 Resp: 4045

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.4	105.6
115	42.6	31.7	47.5



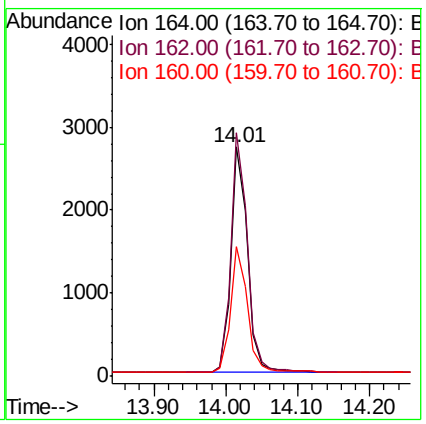


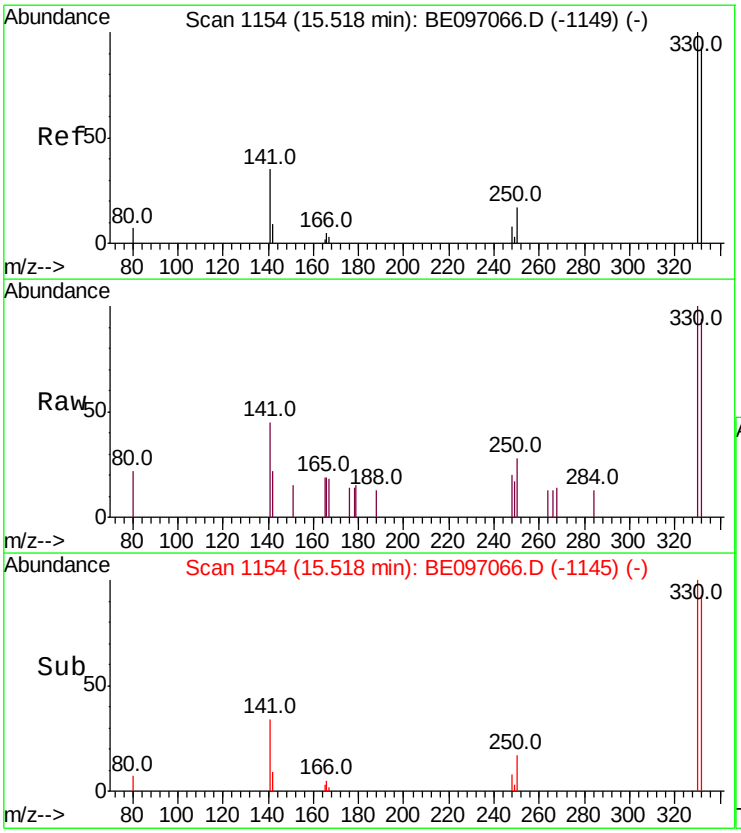
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 4330

Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.1	124.7
160	56.8	37.1	55.7#

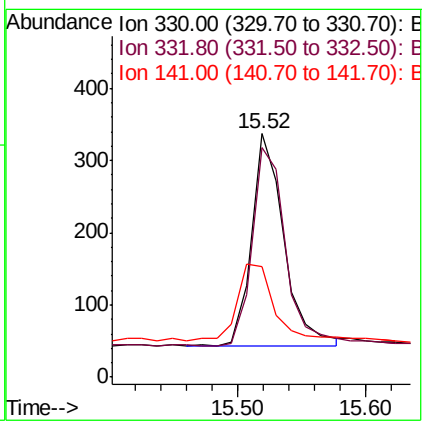


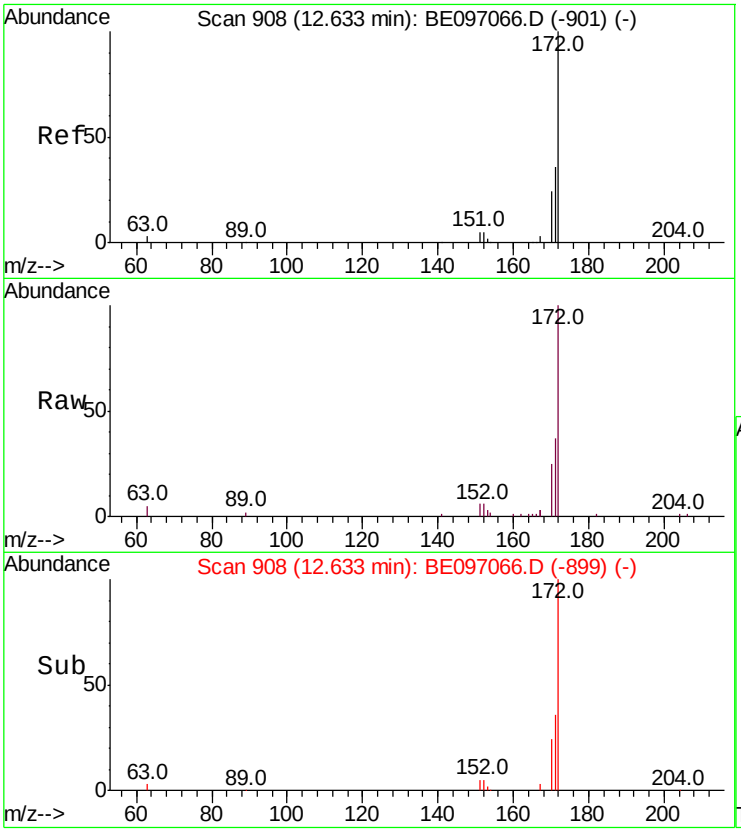


#14
2,4,6-Tribromophenol
Concen: 0.469 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:330 Resp: 515

Ion	Ratio	Lower	Upper
330	100		
332	96.5	152.7	229.1#
141	41.7	33.7	50.5



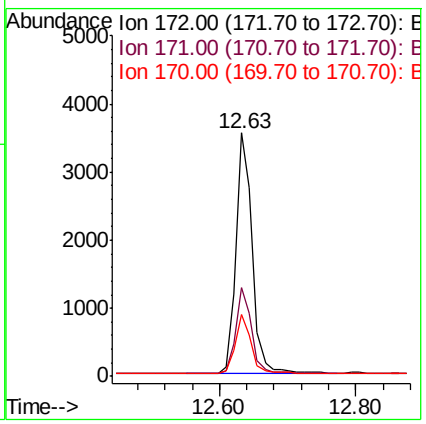


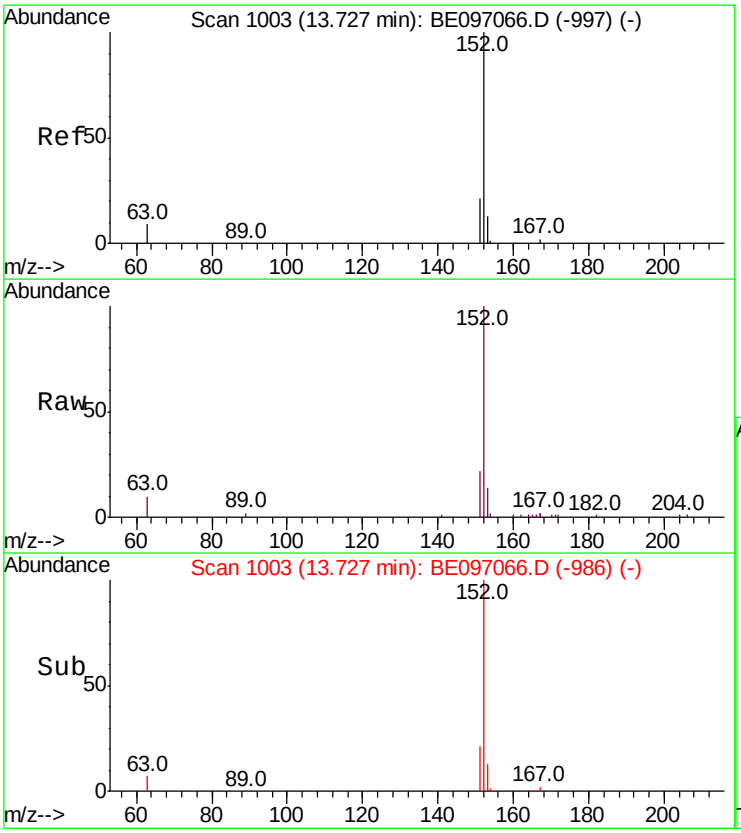
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 5832

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	25.4	21.8	32.8

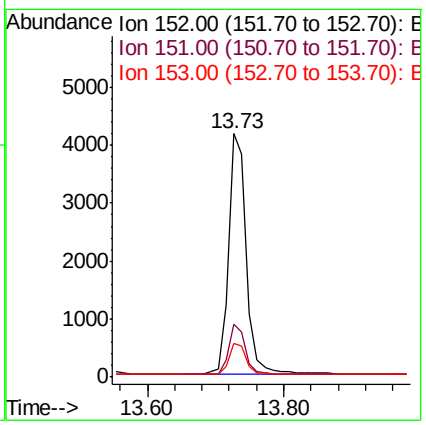


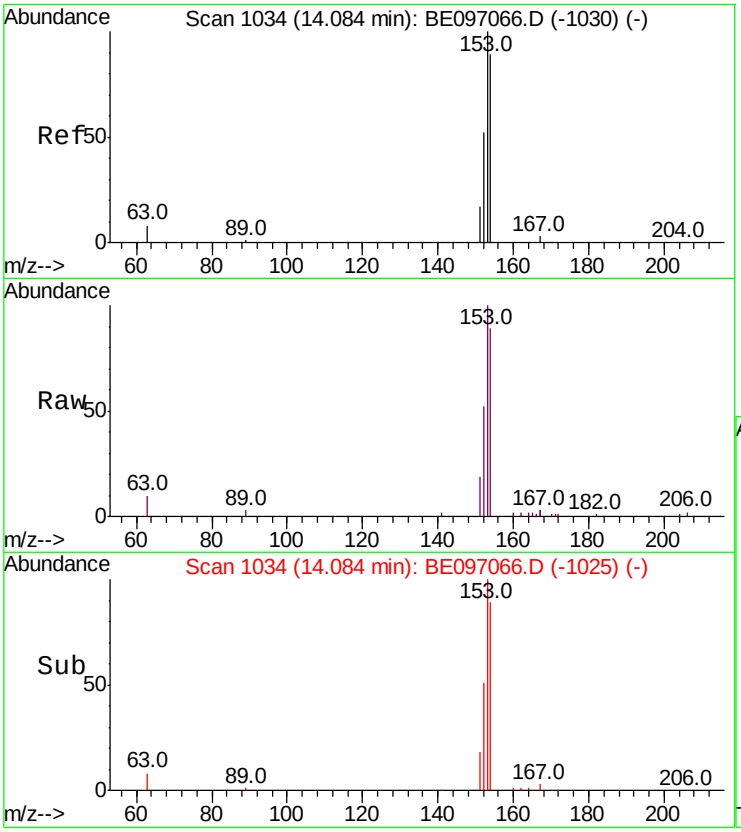


#16
Acenaphthylene
Concen: 0.383 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:152 Resp: 7570

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.3	10.5	15.7



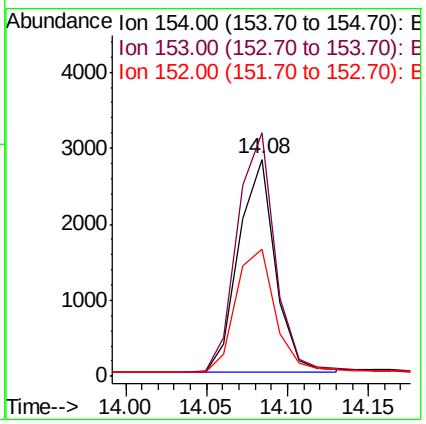


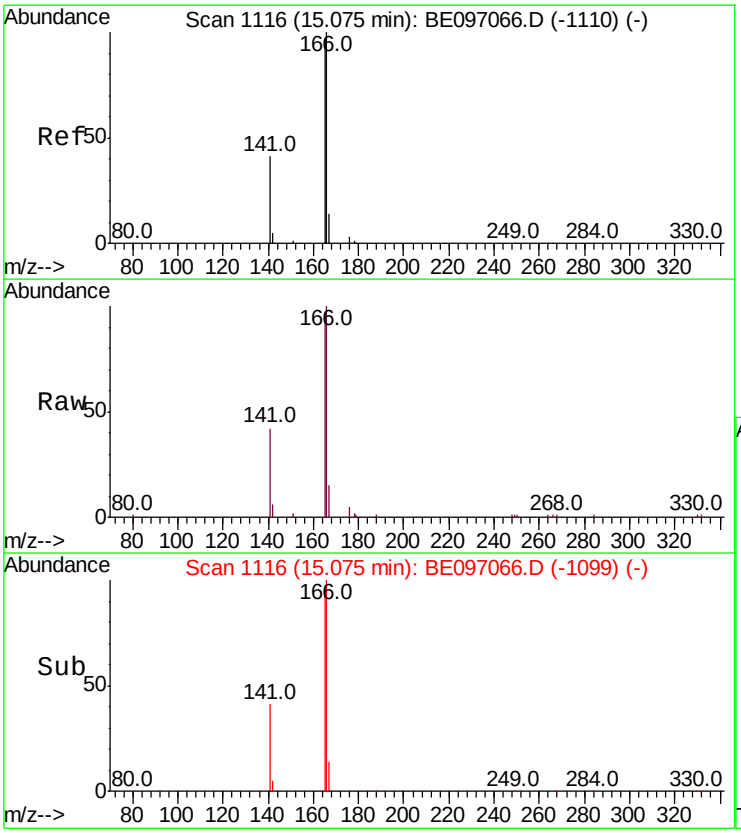
#17
Acenaphthene
Concen: 0.359 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4411

Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.2	133.8
152	62.9	42.0	63.0

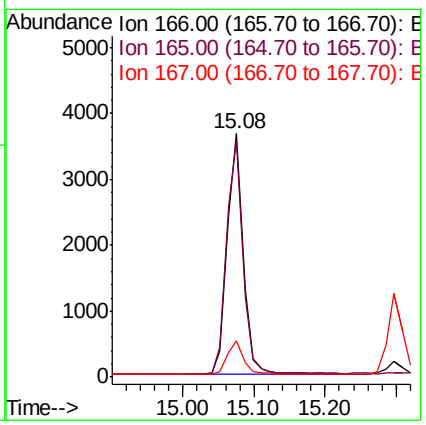


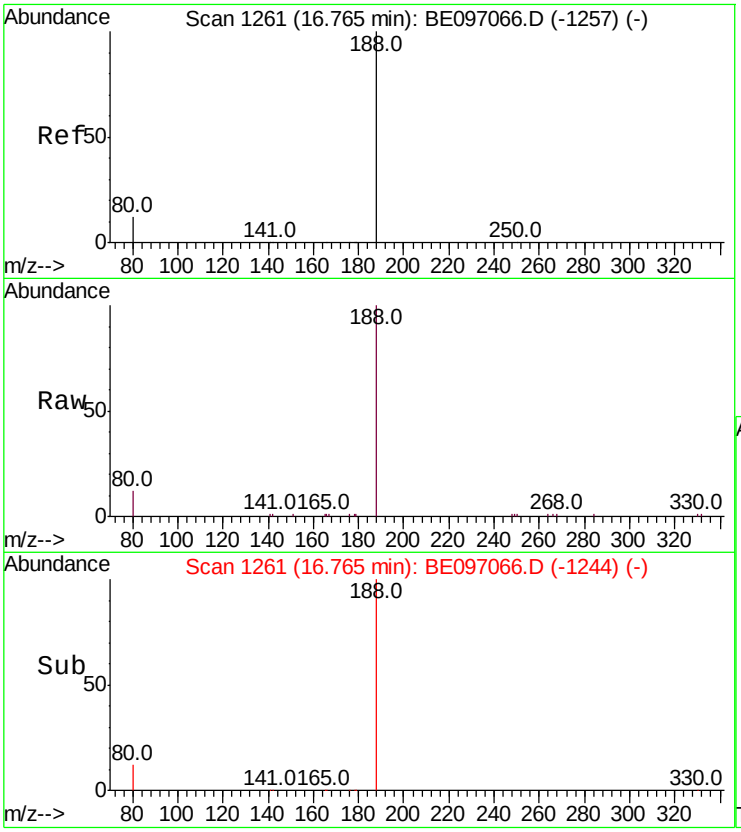


#18
Fluorene
Concen: 0.414 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:166 Resp: 5717

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.6
167	14.0	42.4	63.6#



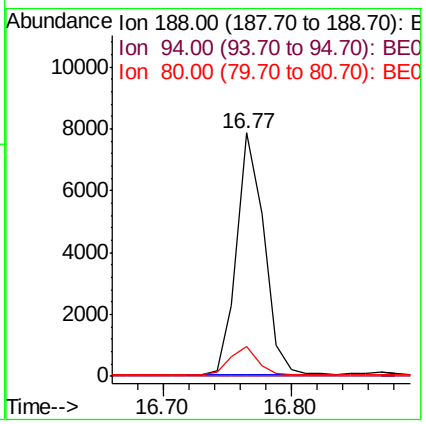


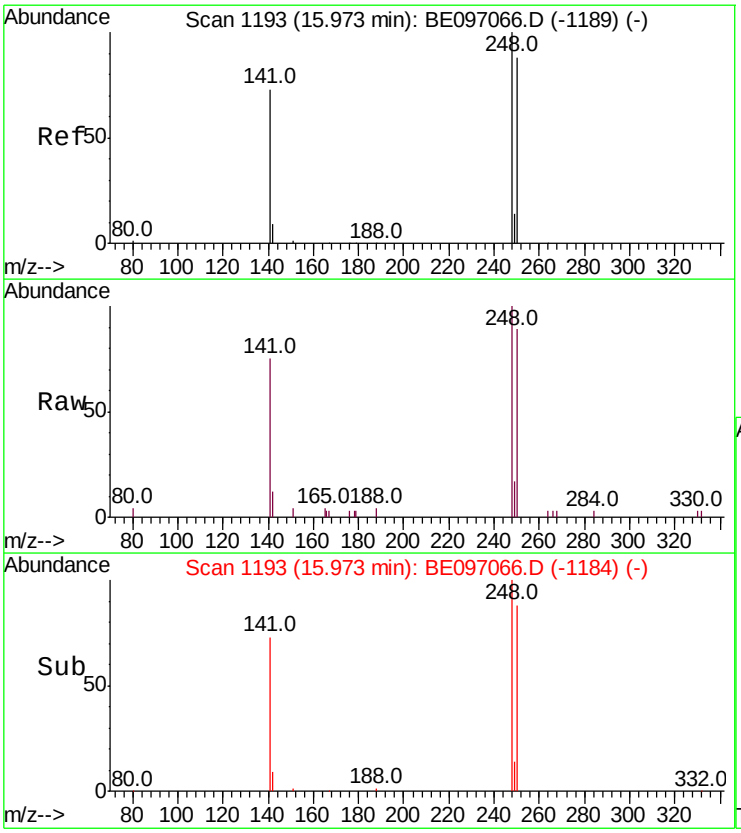
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 11645

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.5	3.6	5.4#

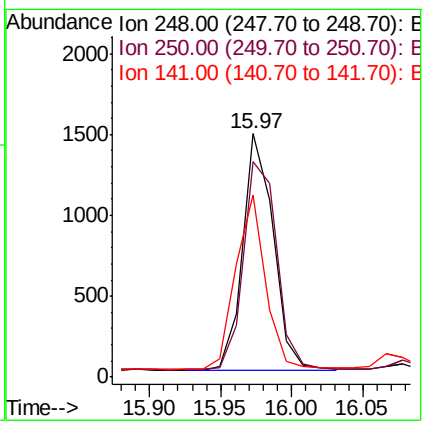


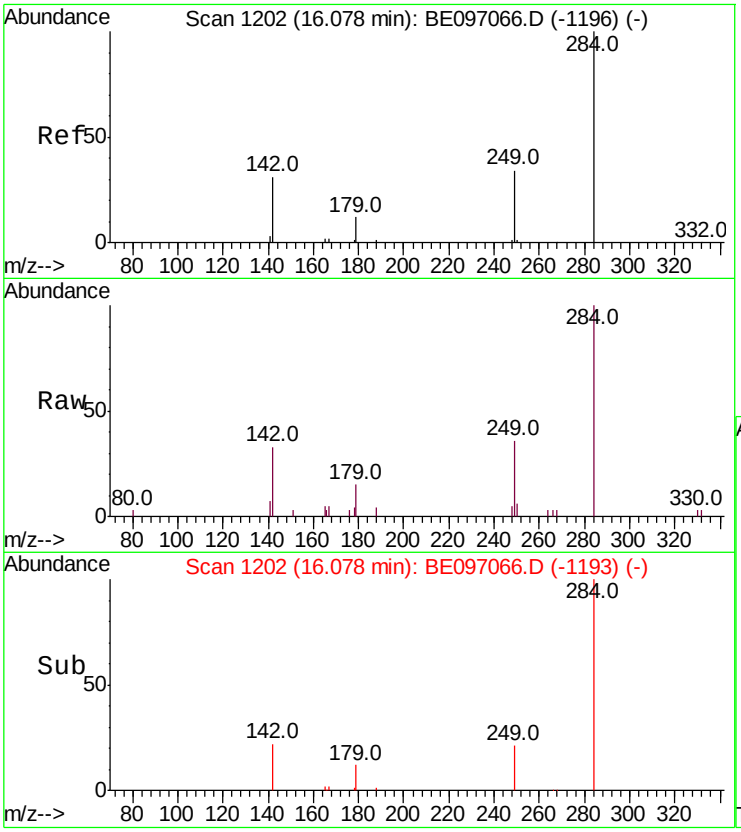


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:248 Resp: 2168

Ion	Ratio	Lower	Upper
248	100		
250	88.6	62.7	94.1
141	74.6	48.2	72.2#



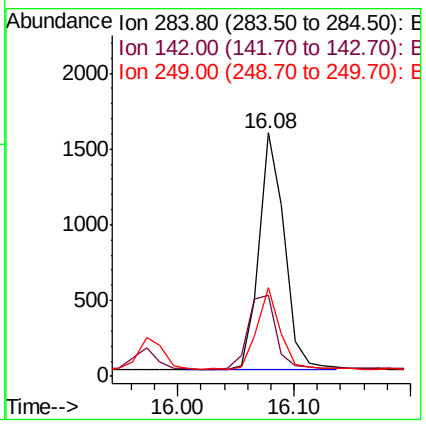


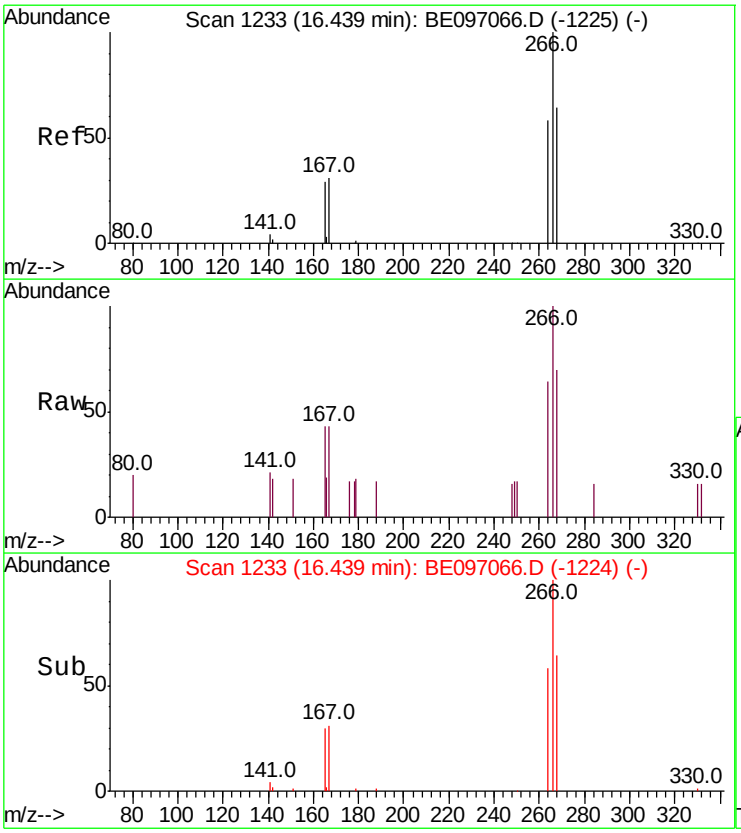
#21
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 2381

Ion	Ratio	Lower	Upper
284	100		
142	34.7	22.1	33.1#
249	31.2	34.8	52.2#

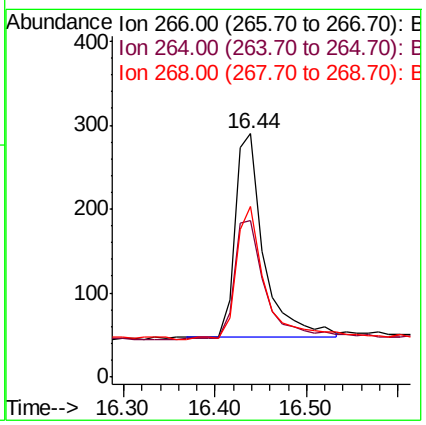


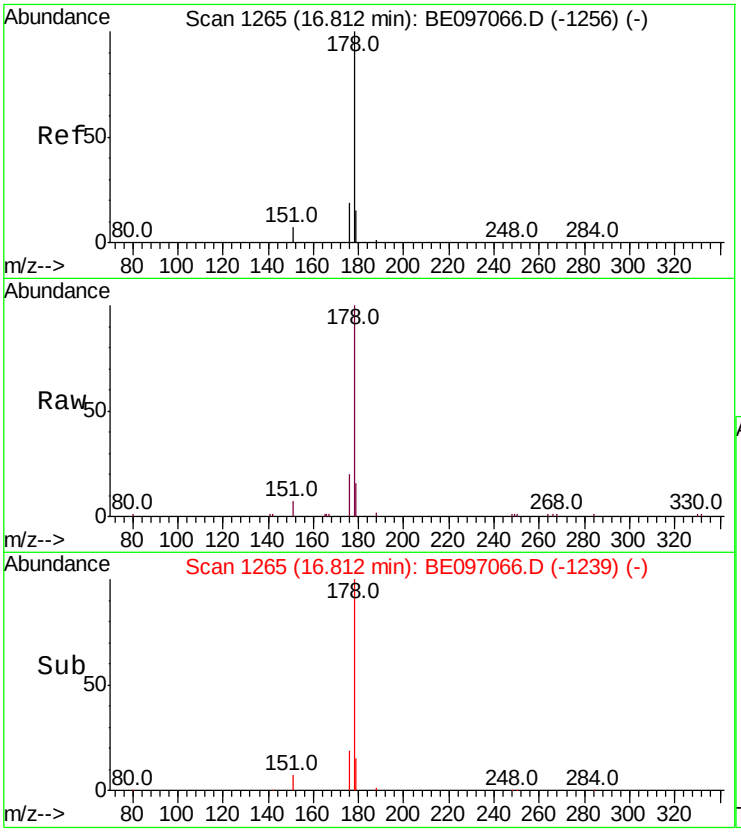


#22
Pentachlorophenol
Concen: 0.529 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:266 Resp: 531

Ion	Ratio	Lower	Upper
266	100		
264	64.5	72.5	108.7#
268	70.0	73.8	110.6#



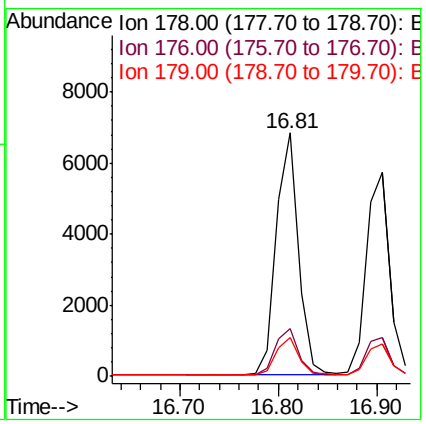


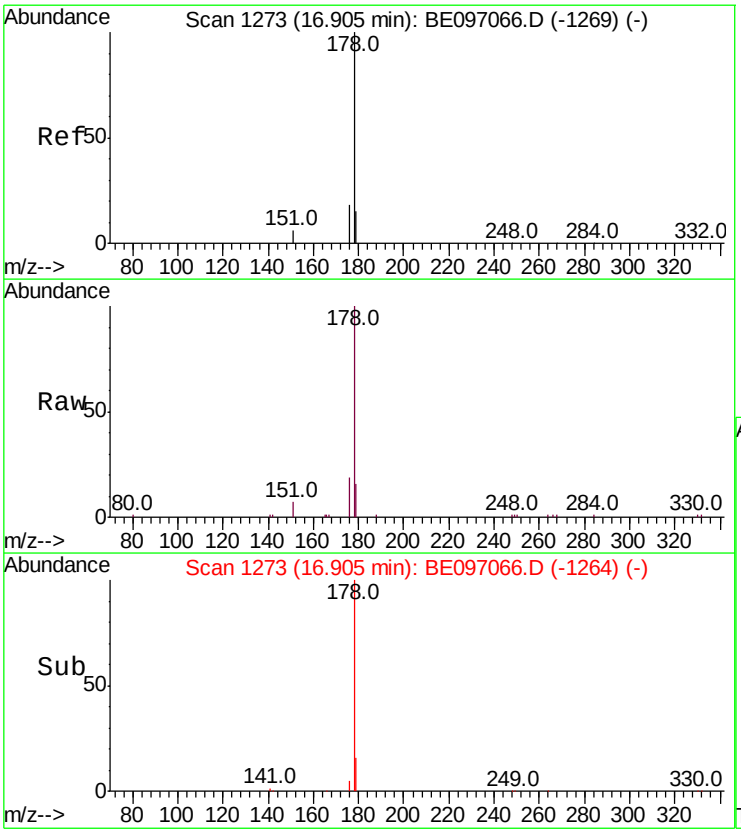
#23
Phenanthrene
Concen: 0.380 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 10610

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.5	11.8	17.6

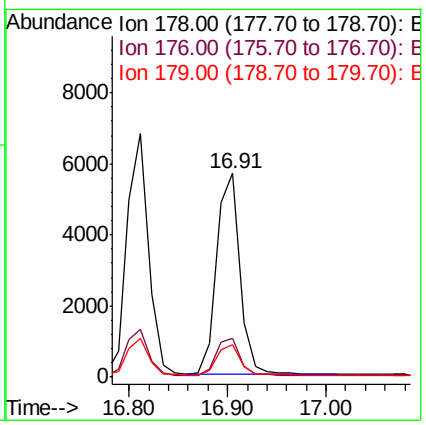


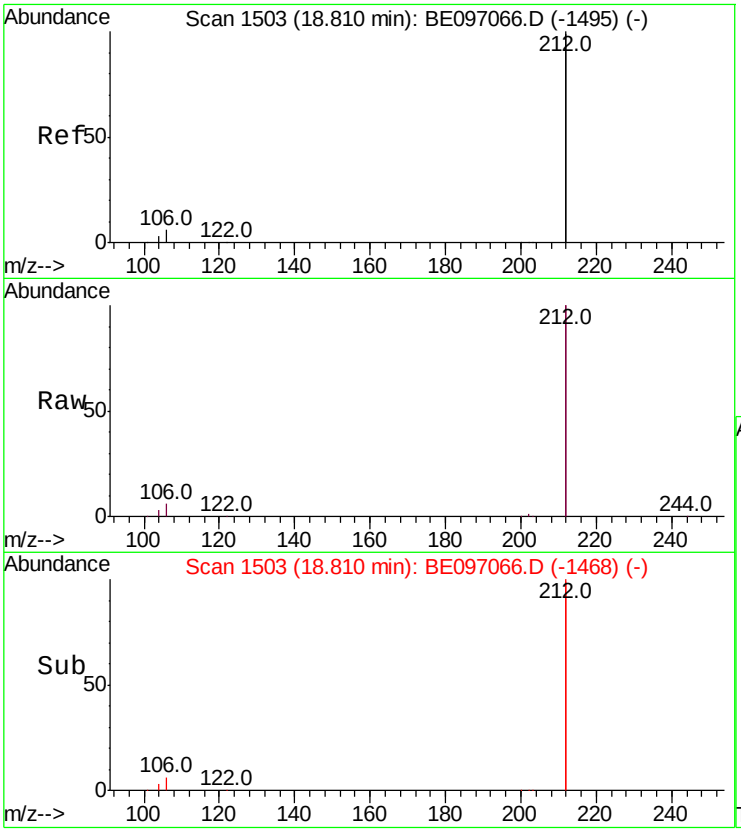


#24
Anthracene
Concen: 0.382 ng
RT: 16.91 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:178 Resp: 9259

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.0	13.0	19.6



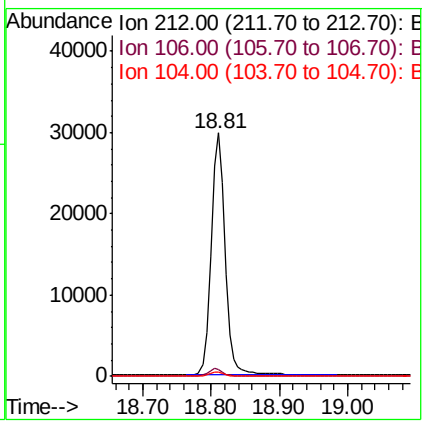


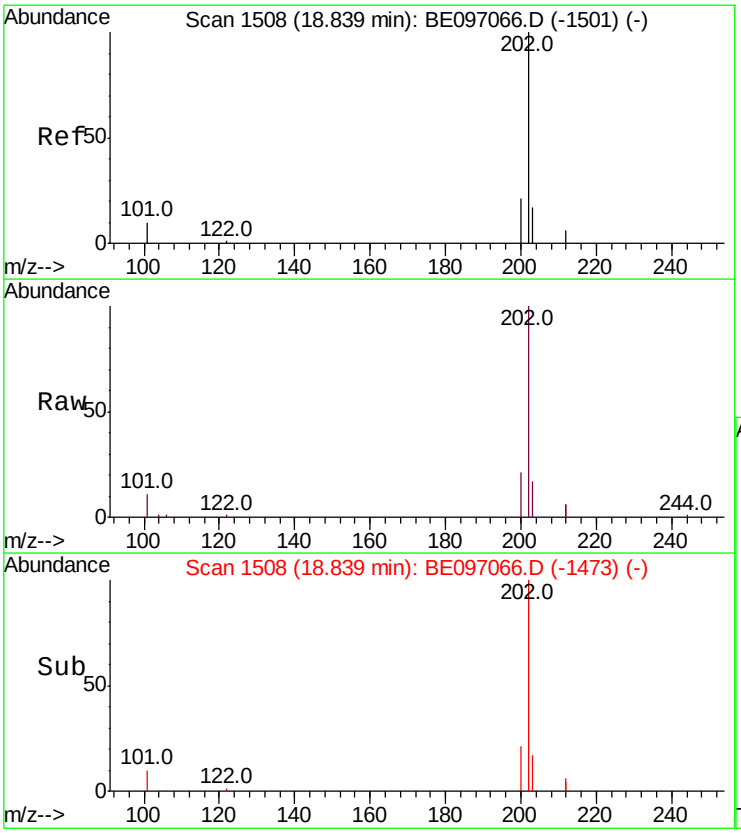
#25
Fluoranthene-d10
Concen: 0.422 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 42729

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

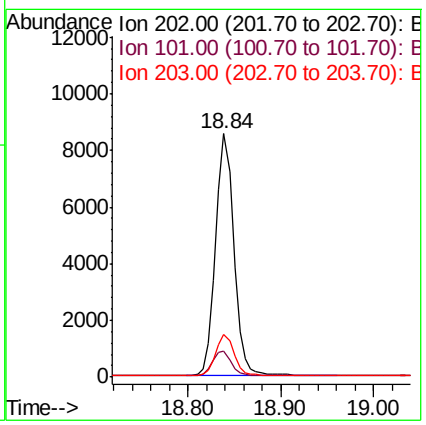


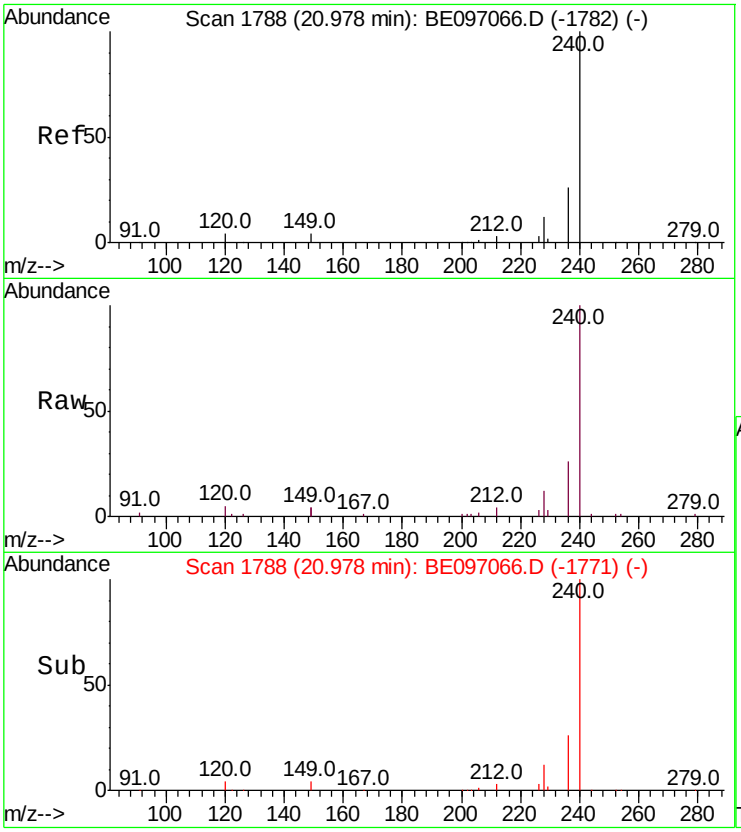


#26
Fluoranthene
Concen: 0.396 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:202 Resp: 11648

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.2	13.7	20.5



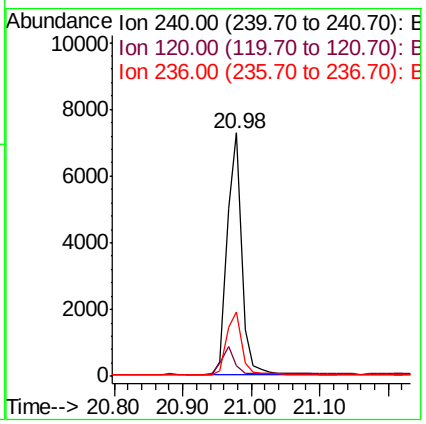


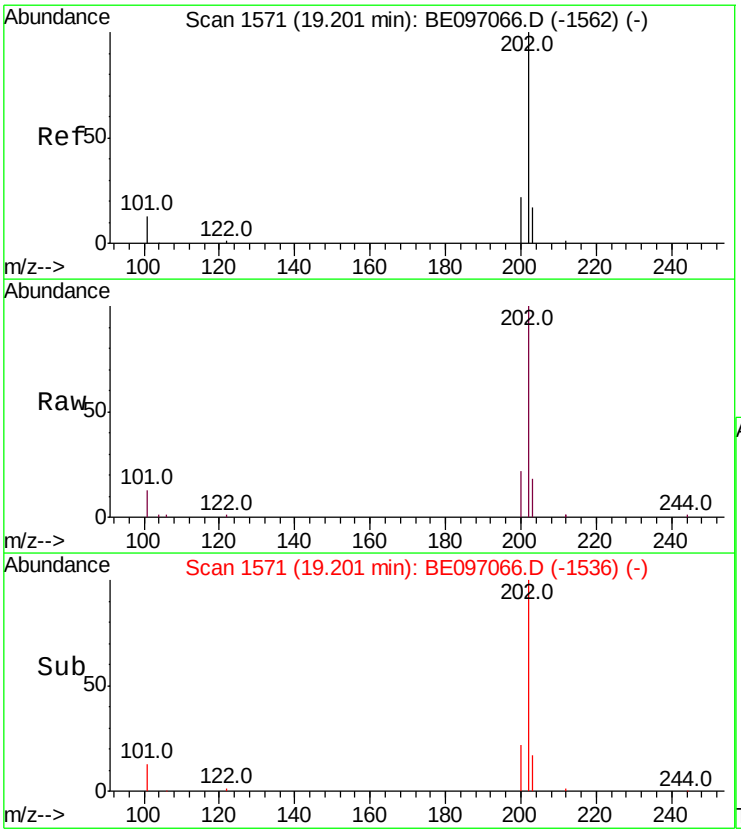
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 10727

Ion	Ratio	Lower	Upper
240	100		
120	4.6	5.5	8.3#
236	26.4	20.7	31.1

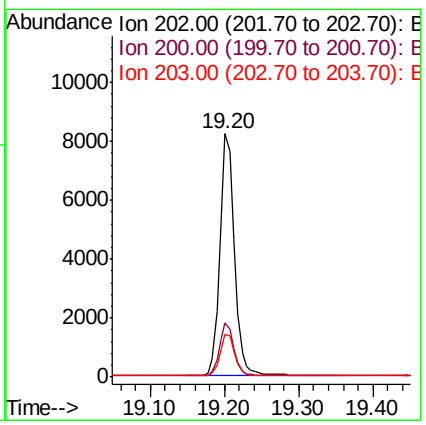


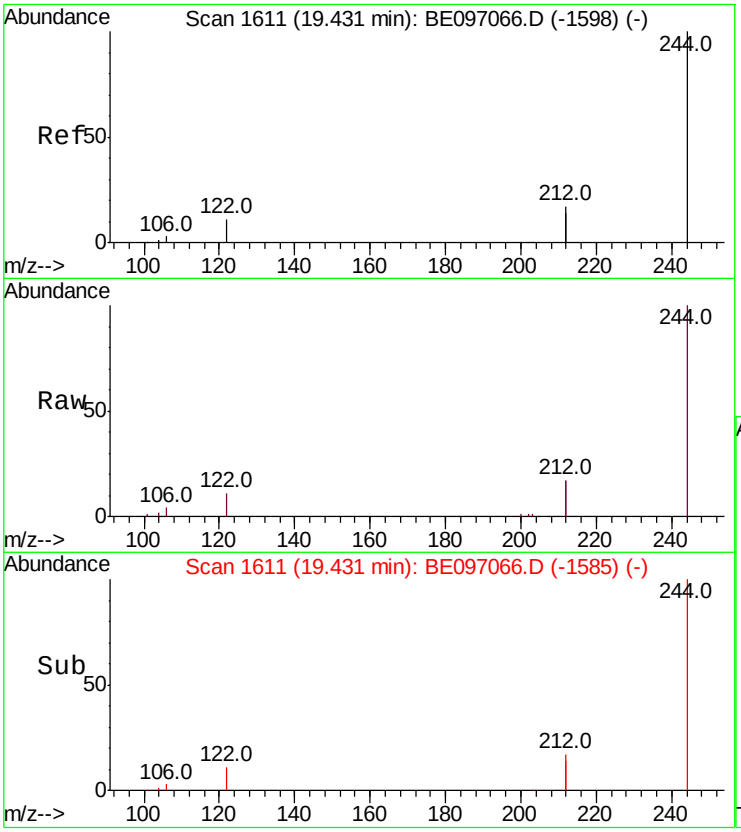


#28
Pyrene
Concen: 0.355 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:202 Resp: 11232

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.4	13.8	20.8



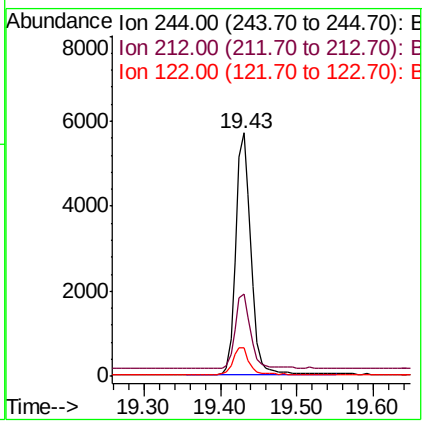


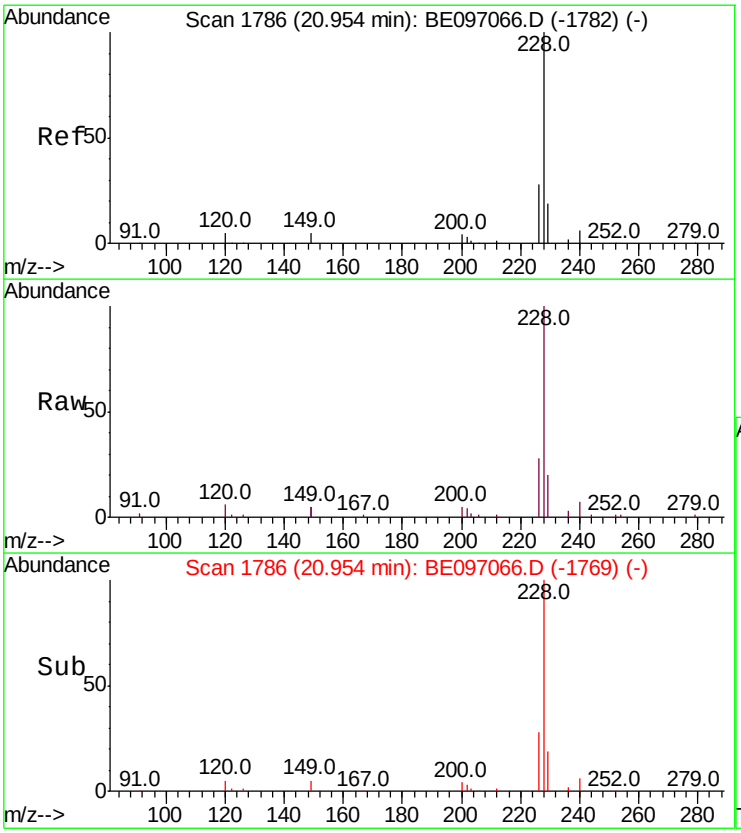
#29
Terphenyl-d14
Concen: 0.374 ng
RT: 19.43 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 7750

Ion	Ratio	Lower	Upper
244	100		
212	33.6	25.4	38.0
122	11.5	8.1	12.1

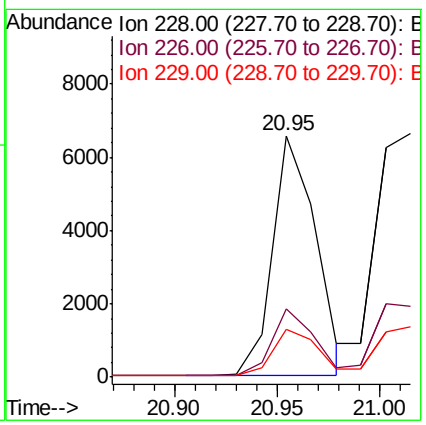


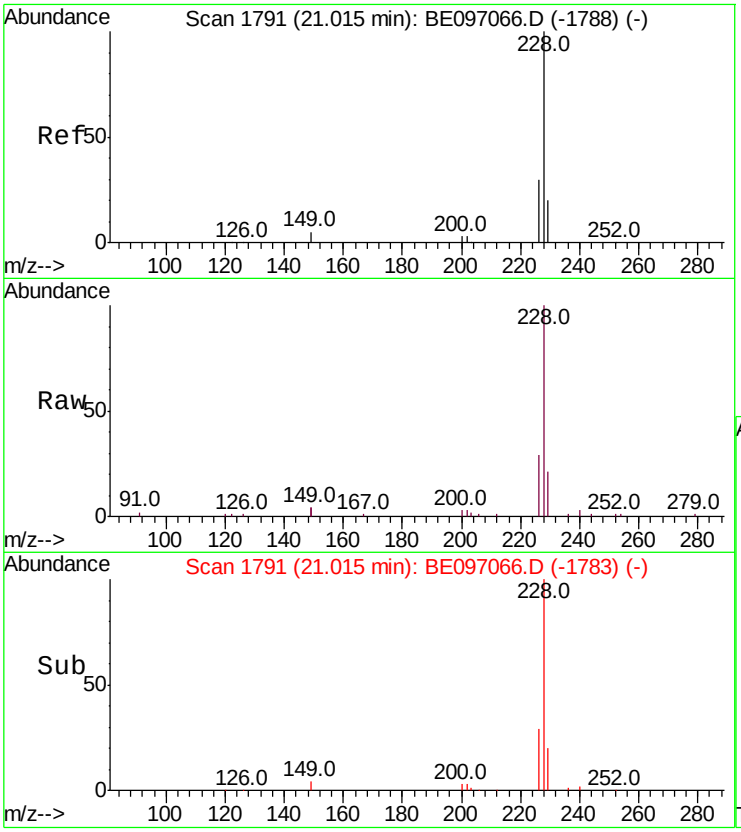


#30
Benzo(a)anthracene
Concen: 0.376 ng
RT: 20.95 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:228 Resp: 9605

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	19.9	16.0	24.0



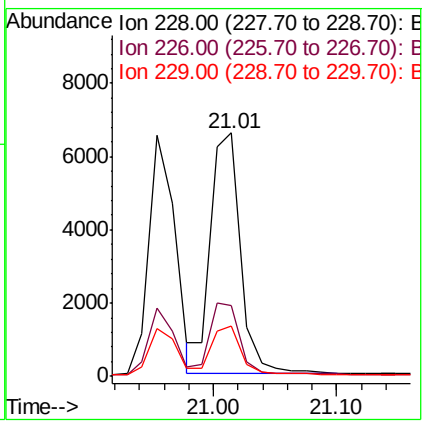


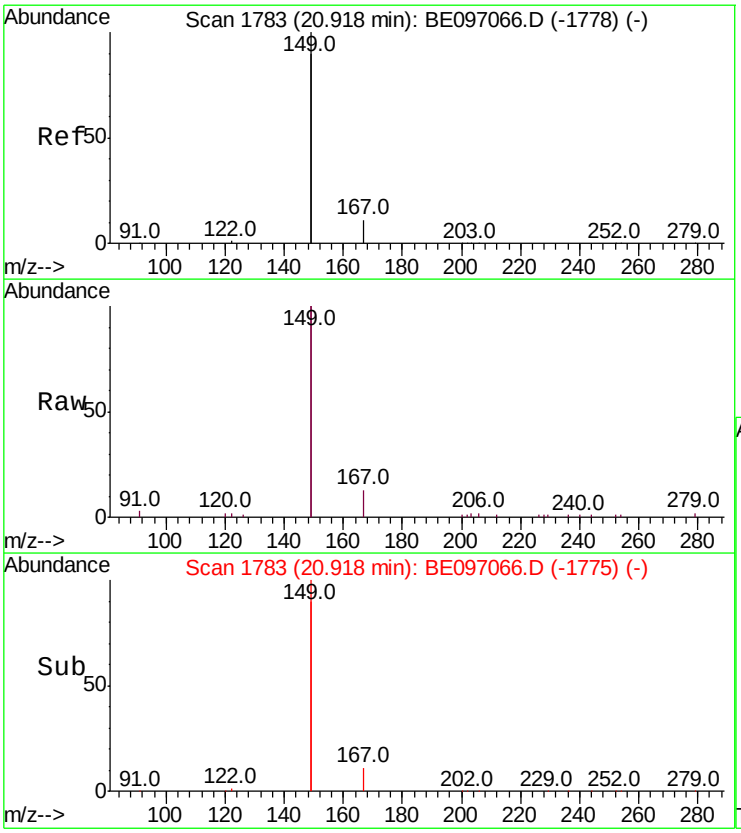
#31
Chrysene
Concen: 0.388 ng
RT: 21.01 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 11111

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.7	16.0	24.0

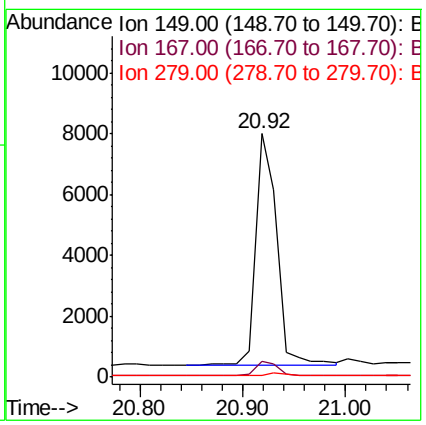


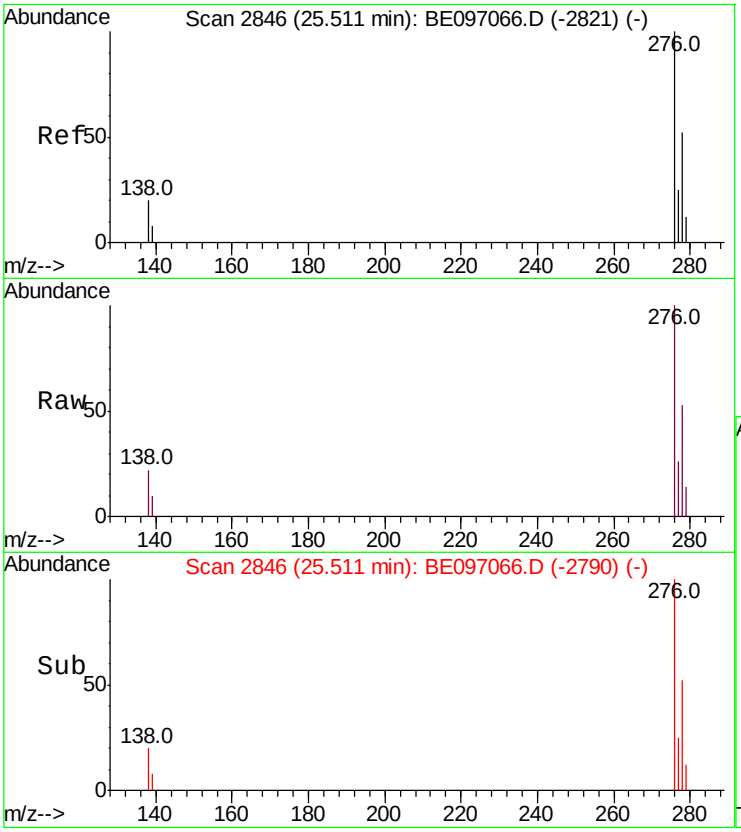


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.429 ng
RT: 20.92 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:149 Resp: 10941

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	0.9	0.7	1.1



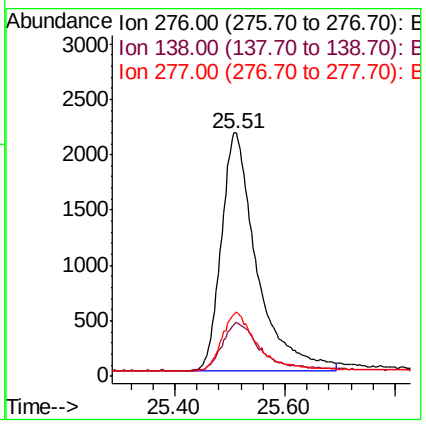


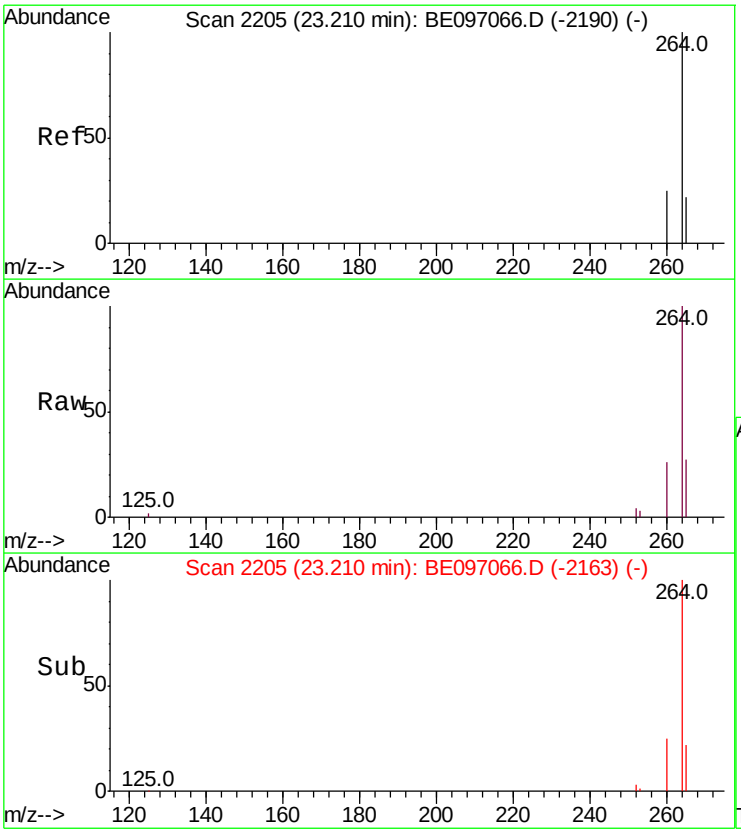
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.464 ng
RT: 25.51 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 9685

Ion	Ratio	Lower	Upper
276	100		
138	20.2	22.5	33.7#
277	24.0	19.9	29.9

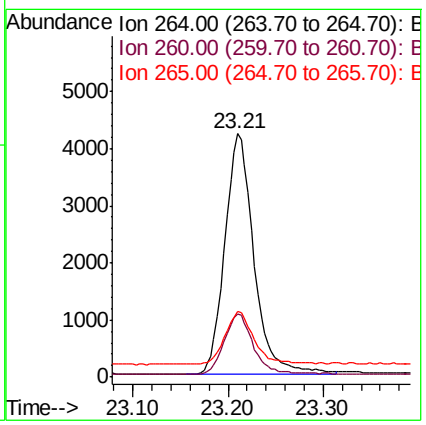


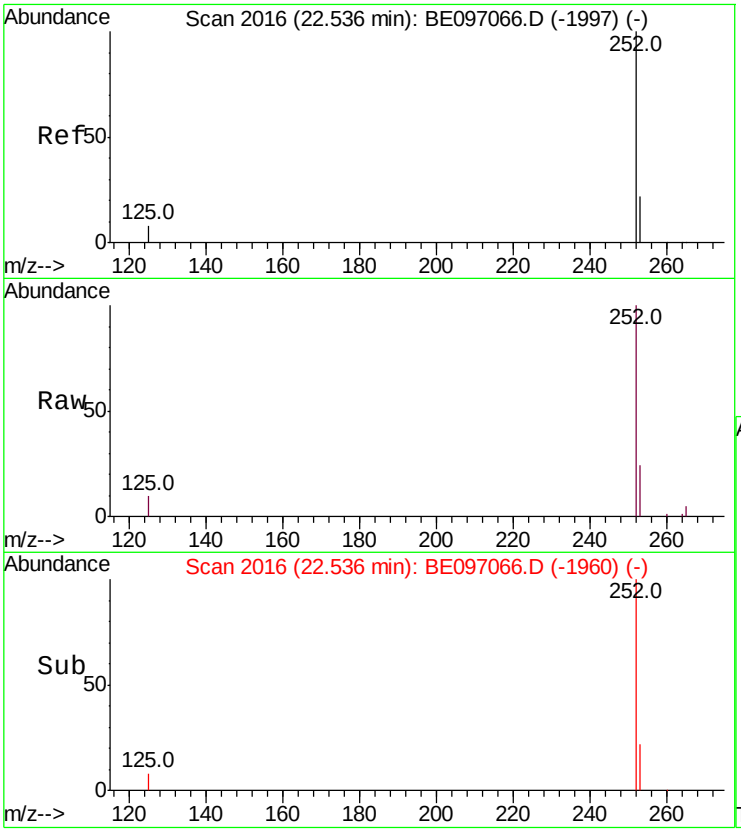


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:264 Resp: 8932

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.5	30.7
265	27.0	22.8	34.2



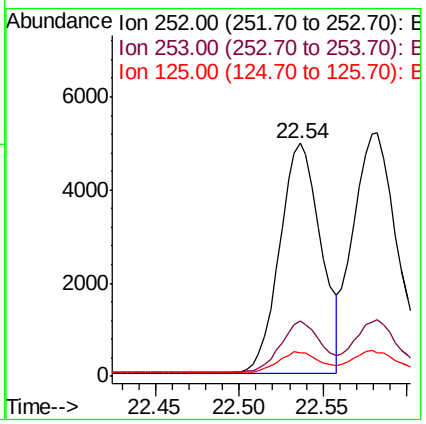


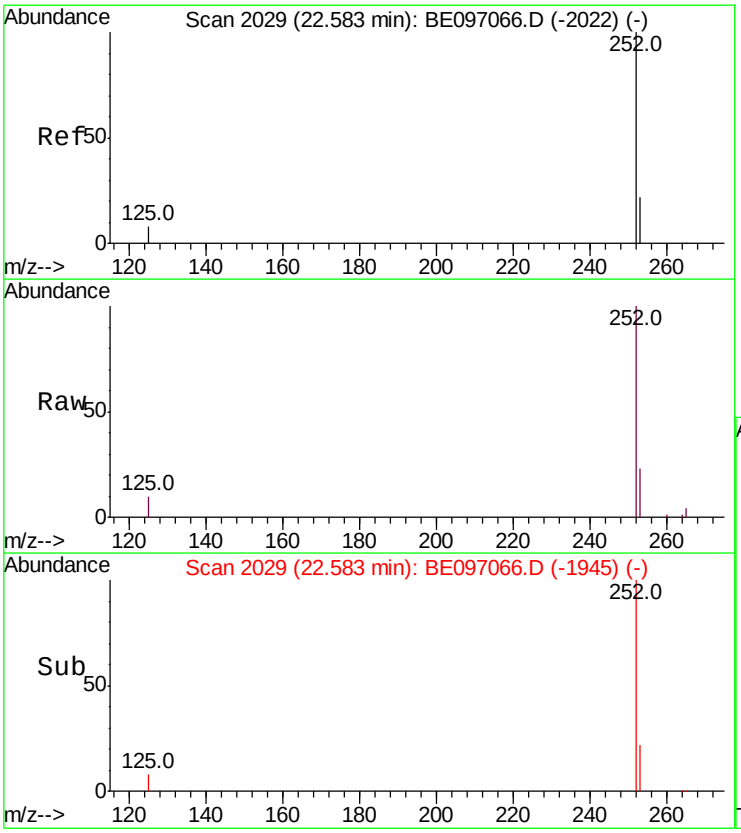
#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 8543

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.0	16.0	24.0#

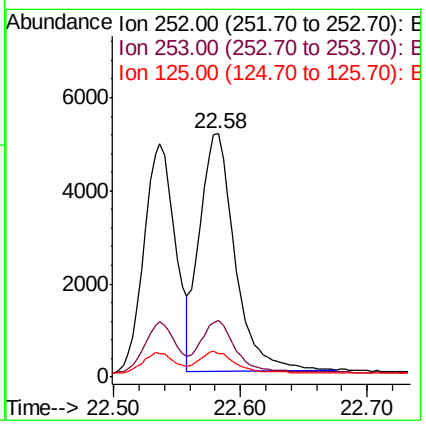


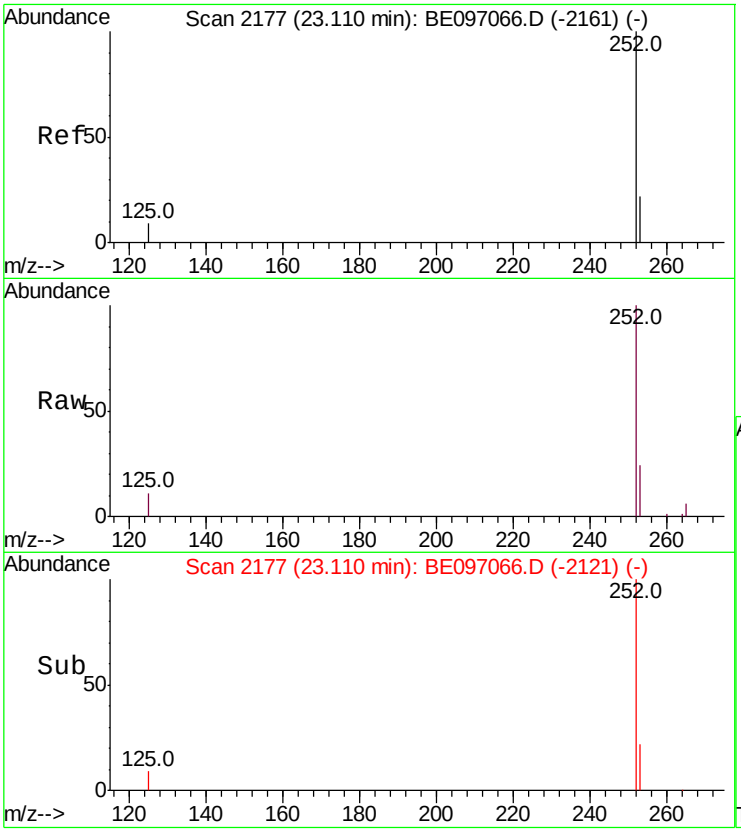


#36
Benzo(k)fluoranthene
Concen: 0.361 ng
RT: 22.58 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:252 Resp: 9800

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.0	24.0
125	9.8	8.0	12.0



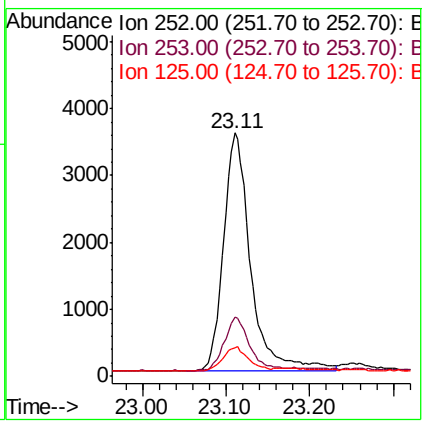


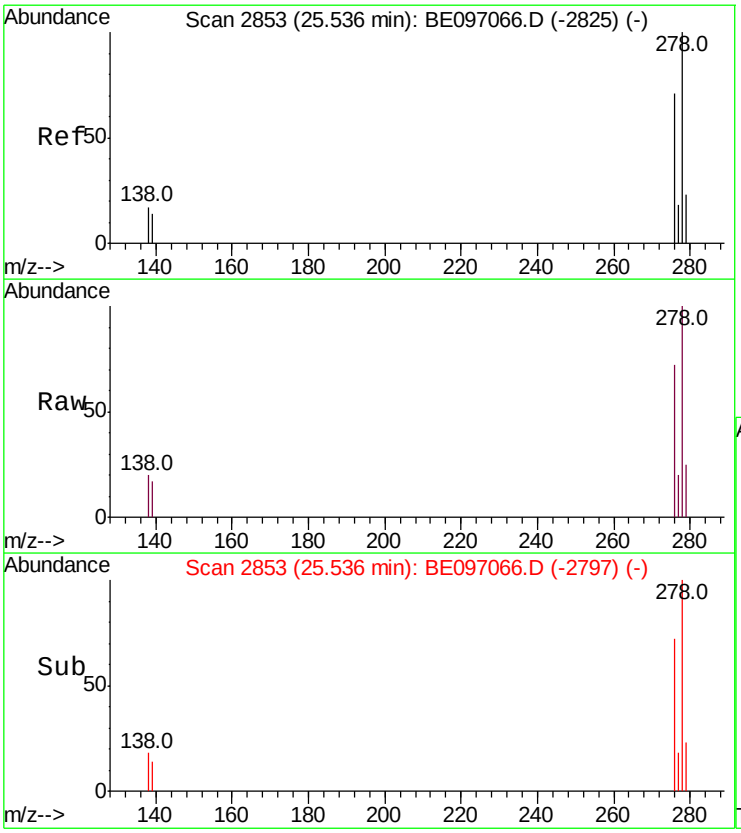
#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 8030

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.0	24.0#
125	11.5	12.0	18.0#

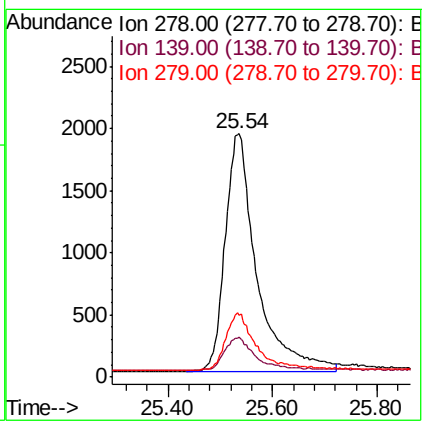


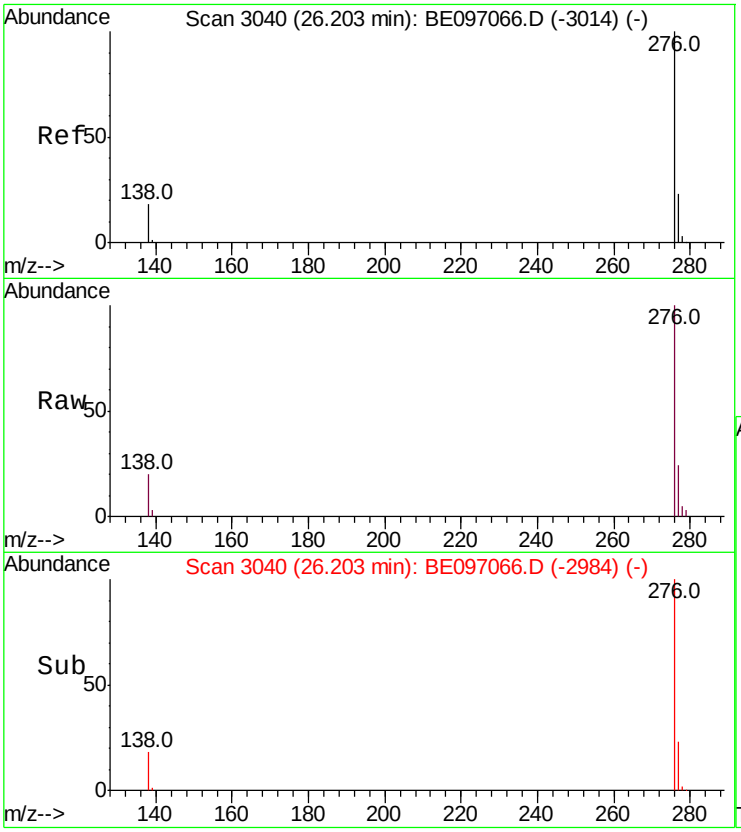


#38
Dibenzo(a,h)anthracene
Concen: 0.482 ng
RT: 25.54 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Tgt Ion:278 Resp: 8033

Ion	Ratio	Lower	Upper
278	100		
139	16.5	16.0	24.0
279	25.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.462 ng
RT: 26.20 min Scan# 3040
Delta R.T. 0.00 min
Lab File: BE097066.D
Acq: 24 Jul 2018 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 8554

Ion	Ratio	Lower	Upper
276	100		
277	24.4	16.0	24.0#
138	20.0	20.0	30.0