Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
Data File : BE097775.D
Acq On : 6 Oct 2018 4:15
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Oct 06 05:02:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	3570	0.40	ng		-0.01
7) Naphthalene-d8	10.69	136	15273	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	9215	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	24392	0.40	ng		-0.01
27) Chrysene-d12	21.47	240	31984	0.40	ng		-0.01
34) Perylene-d12	24.03	264	30344	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	3380	0.40	ng		0.00
5) Phenol-d6	7.04	99	5106	0.39	ng		0.00
8) Nitrobenzene-d5	9.04	82	3624	0.73	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	9443	0.39	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	866	0.52	ng		-0.01
15) 2-Fluorobiphenyl	13.17	172	14397	0.35	ng		-0.02
25) Fluoranthene-d10	19.33	212	120007	0.39	ng		0.00
29) Terphenyl-d14	19.92	244	25393	0.39	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	2594	0.365	ng		95
3) n-Nitrosodimethylamine	3.70	42	2234	0.345	ng	#	83
6) bis(2-Chloroethyl)ether	7.31	93	5107	0.381	ng		99
9) Naphthalene	10.73	128	58918	0.383	ng		99
10) Hexachlorobutadiene	11.03	225	3173	0.388	ng		97
12) 2-Methylnaphthalene	12.37	142	9688	0.393	ng		99
16) Acenaphthylene	14.27	152	14642	0.359	ng		98
17) Acenaphthene	14.62	154	9895	0.379	ng		96
18) Fluorene	15.59	166	12842	0.370	ng		100
20) 4-Bromophenyl-phenylether	16.49	248	4896	0.383	ng	#	89
21) Hexachlorobenzene	16.60	284	5289	0.367	ng		99
22) Pentachlorophenol	16.94	266	1201	0.532	ng		90
23) Phenanthrene	17.34	178	24304	0.387	ng		100
24) Anthracene	17.43	178	20087	0.370	ng		99
26) Fluoranthene	19.35	202	30543	0.381	ng		100
28) Pyrene	19.72	202	31888	0.392	ng		100
30) Benzo(a)anthracene	21.46	228	32961	0.383	ng		100
31) Chrysene	21.52	228	37634	0.392	ng		98
32) Bis(2-ethylhexyl)phthalate	21.40	149	33458	0.532	ng		100
33) Indeno(1,2,3-cd)pyrene	26.72	276	30617	0.367	ng		98
35) Benzo(b)fluoranthene	23.25	252	29488	0.354	ng		98
36) Benzo(k)fluoranthene	23.30	252	35640	0.386	ng		97
37) Benzo(a)pyrene	23.92	252	26803	0.356	ng		99
38) Dibenzo(a,h)anthracene	26.75	278	25448	0.343	ng		97
39) Benzo(g,h,i)perylene	27.54	276	27765	0.357	ng		98

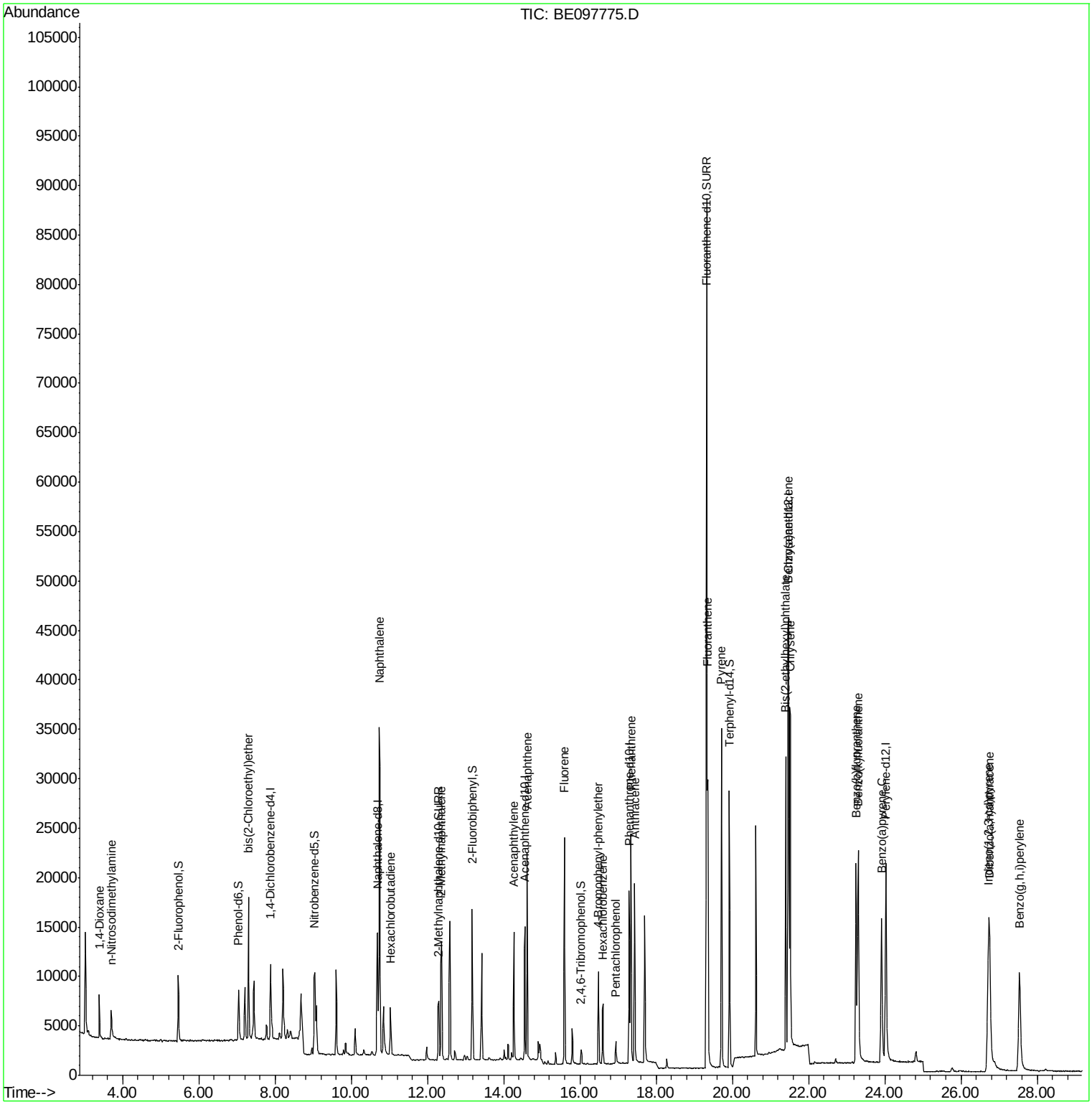
(#) = qualifier out of range (m) = manual integration (+) = signals summed

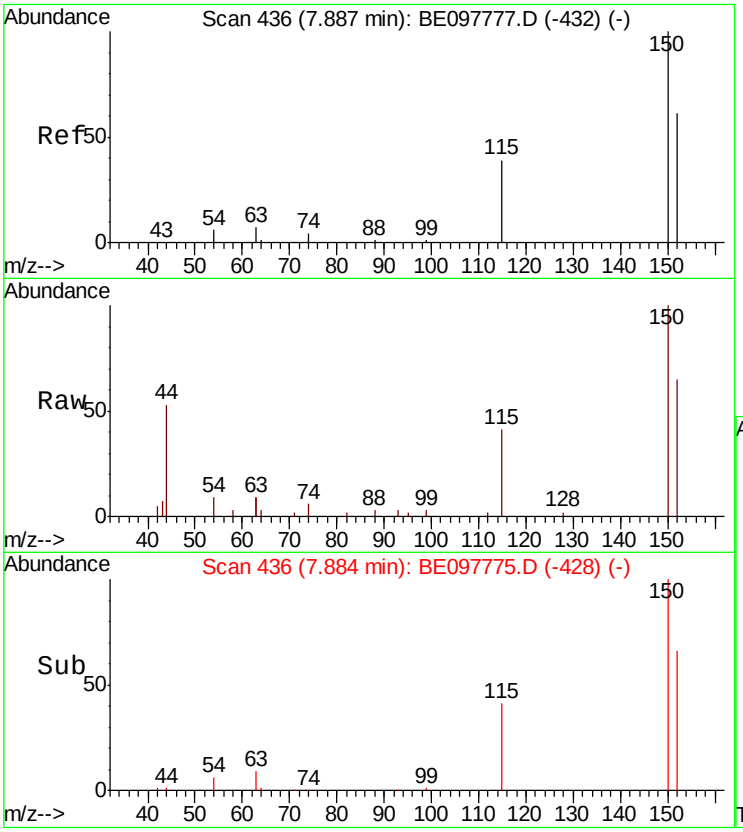
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
Data File : BE097775.D
Acq On : 6 Oct 2018 4:15
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 06 05:02:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration



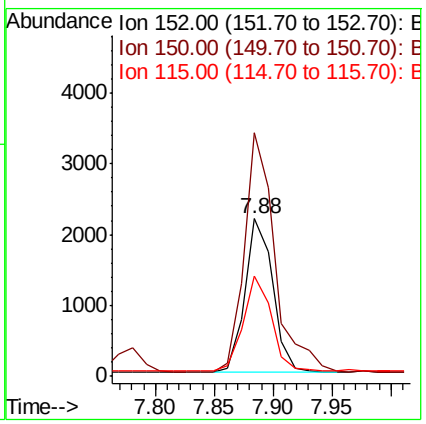


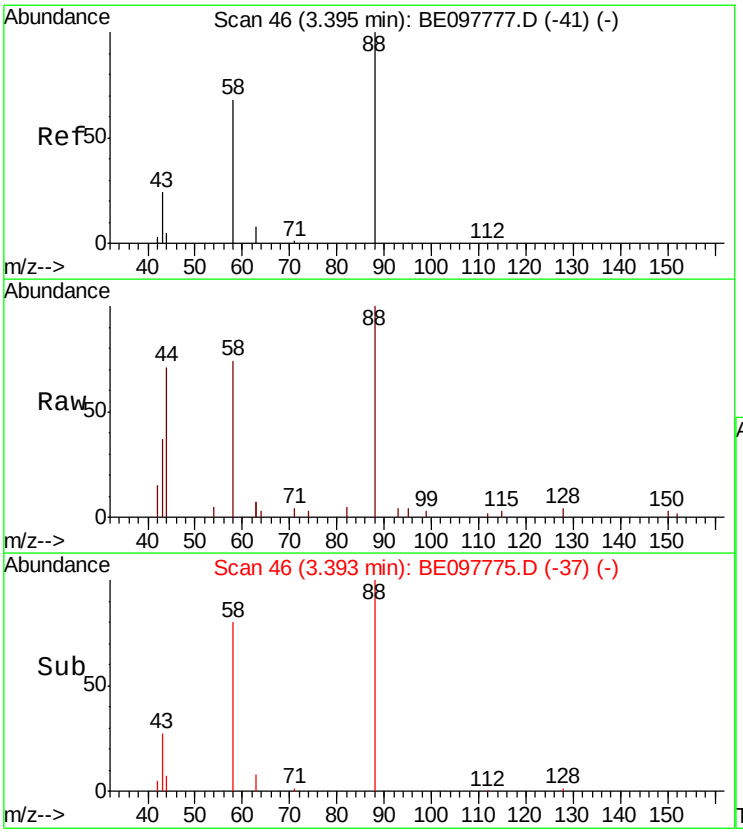
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3570

Ion	Ratio	Lower	Upper
152	100		
150	154.6	120.9	181.3
115	63.8	46.6	69.8

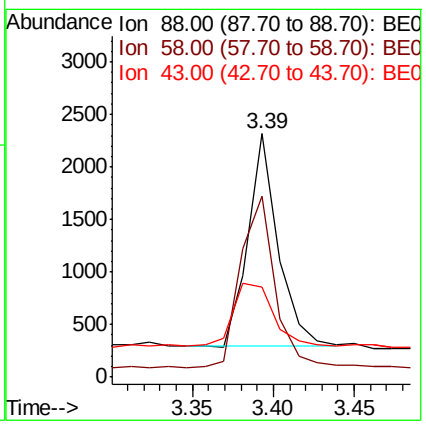


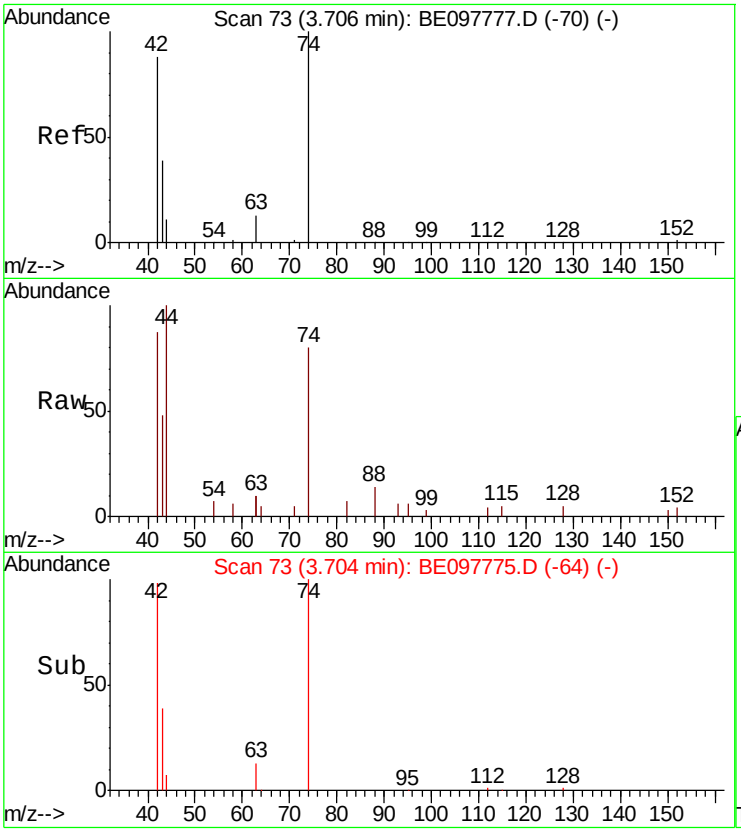


#2
1,4-Dioxane
Concen: 0.365 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion: 88 Resp: 2594

Ion	Ratio	Lower	Upper
88	100		
58	93.7	70.8	106.2
43	39.8	33.3	49.9



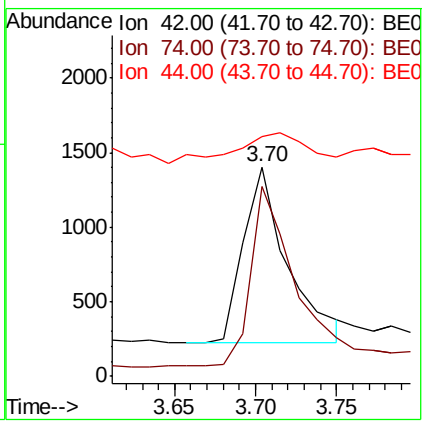


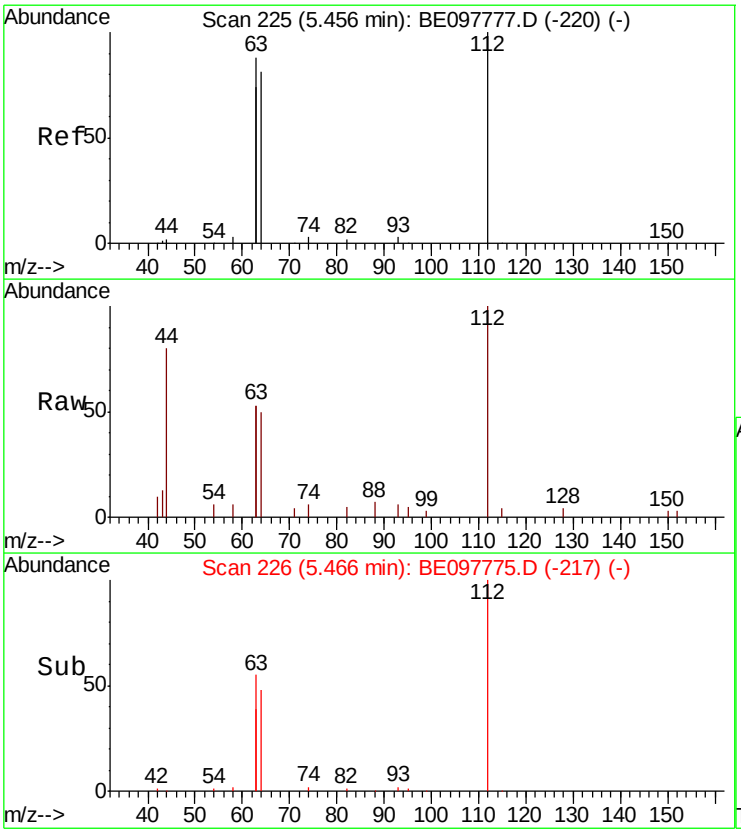
#3
n-Nitrosodimethylamine
Concen: 0.345 ng
RT: 3.70 min Scan# 73
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2234

Ion	Ratio	Lower	Upper
42	100		
74	103.7	70.7	106.1
44	27.8	15.0	22.4#

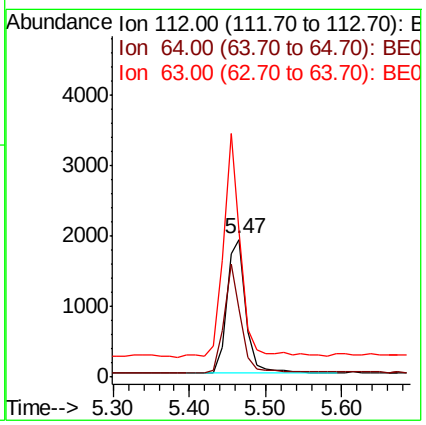


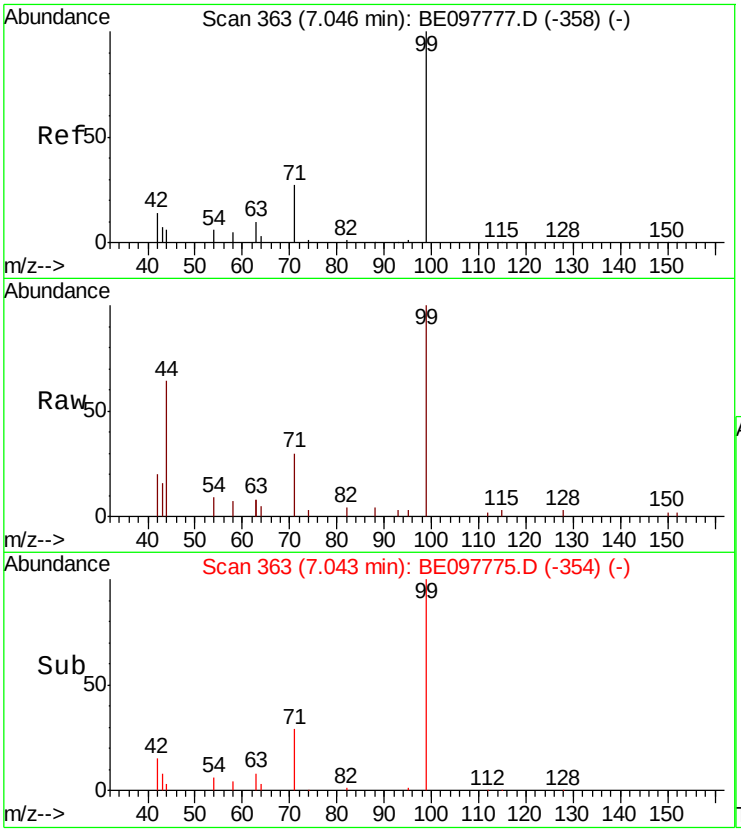


#4
2-Fluorophenol
Concen: 0.400 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:112 Resp: 3380

Ion	Ratio	Lower	Upper
112	100		
64	69.6	56.6	84.8
63	145.5	119.4	179.0



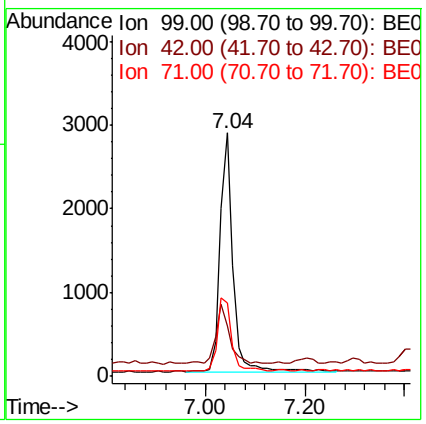


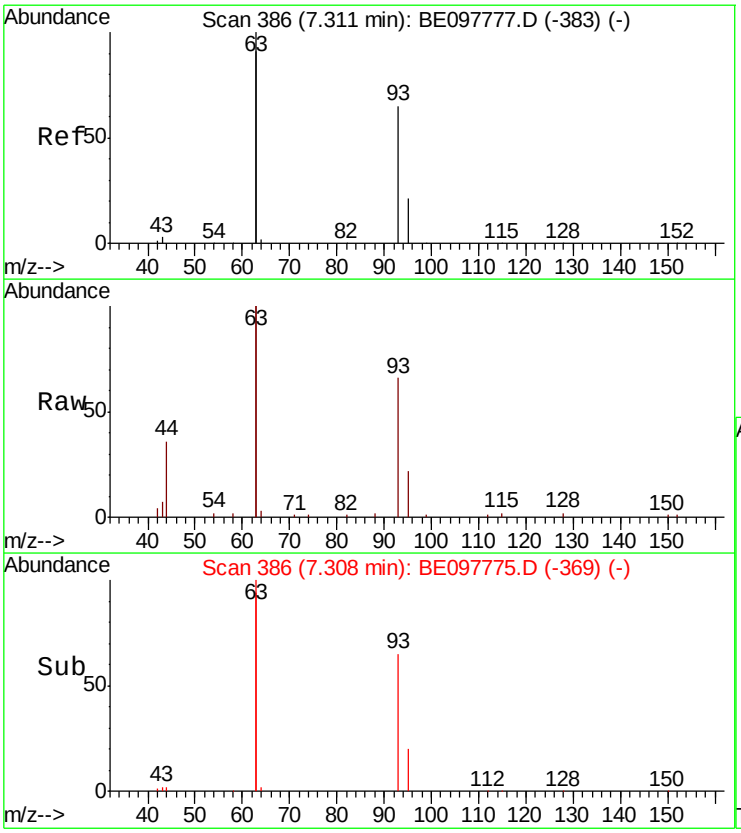
#5
Phenol-d6
Concen: 0.394 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5106

Ion	Ratio	Lower	Upper
99	100		
42	24.8	19.9	29.9
71	33.4	25.4	38.2

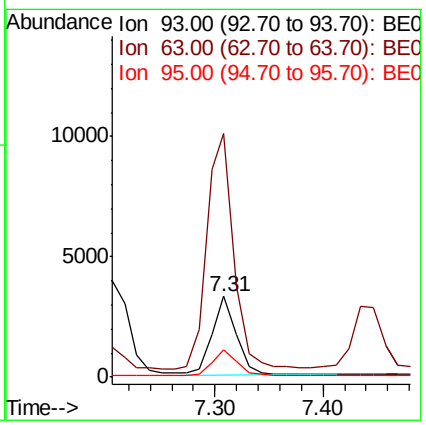


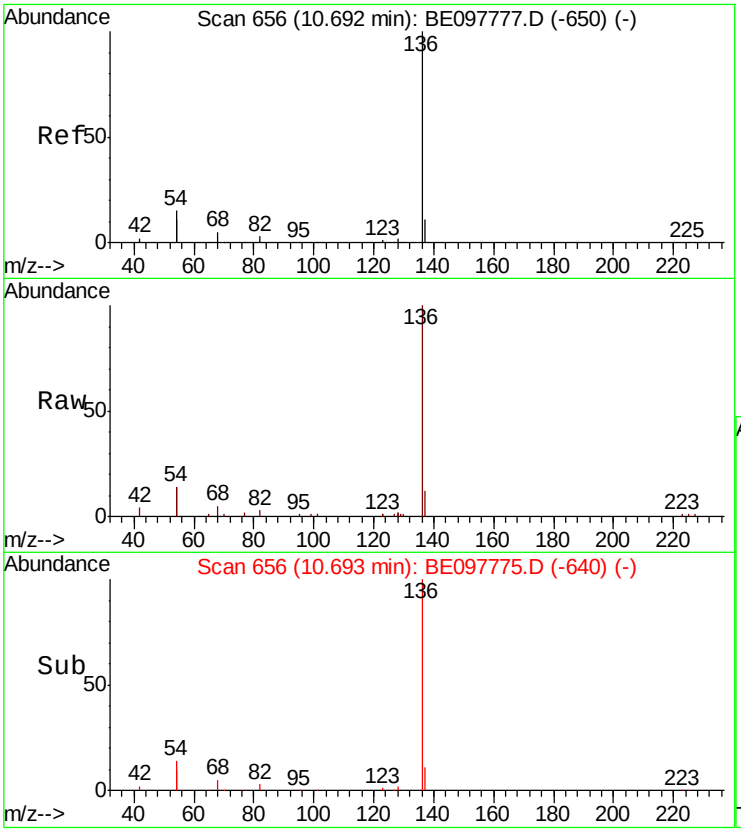


#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion: 93 Resp: 5107

Ion	Ratio	Lower	Upper
93	100		
63	335.7	266.9	400.3
95	32.5	26.2	39.2



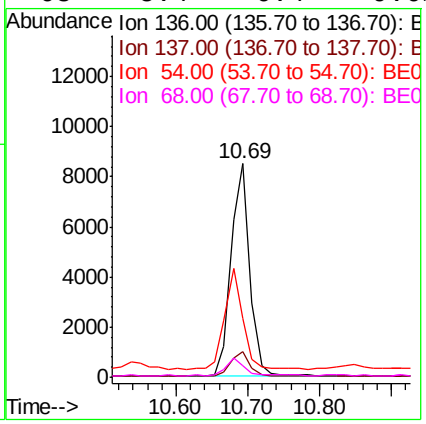


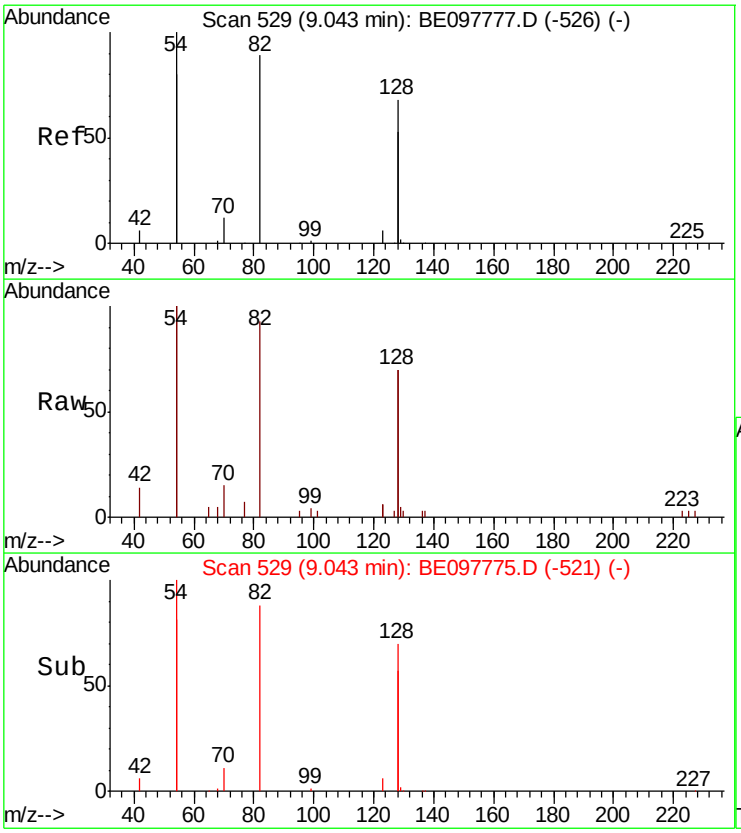
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 15273

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.4
54	27.4	37.8	56.6#
68	5.4	6.4	9.6#

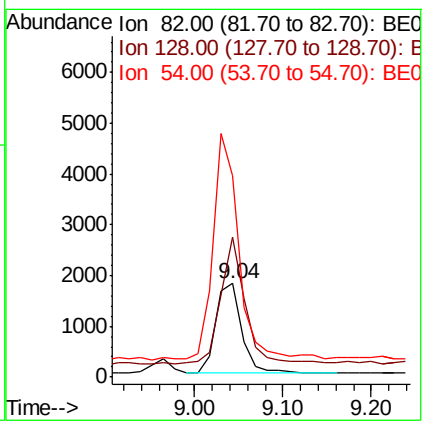


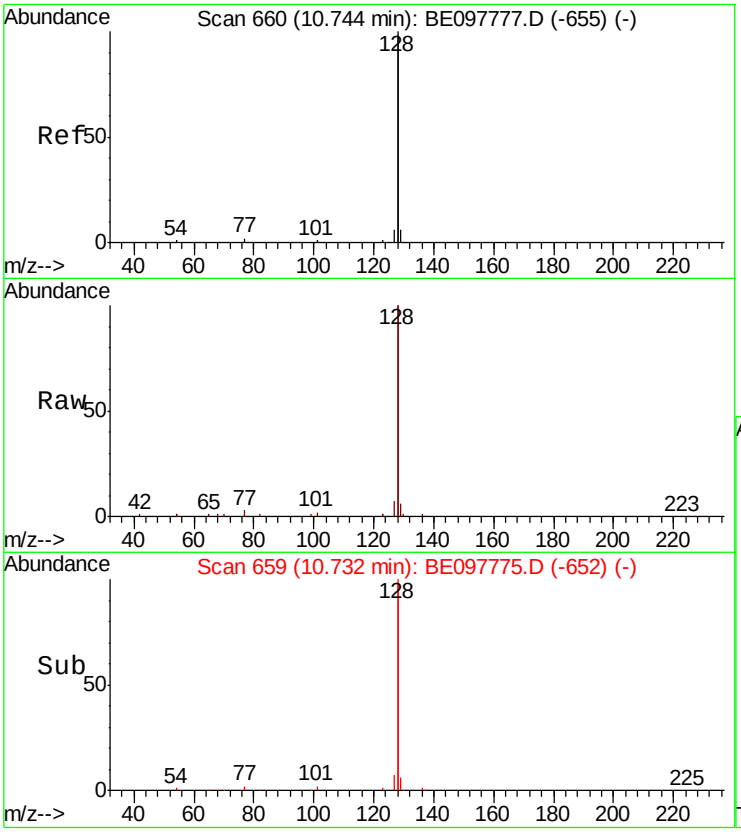


#8
Nitrobenzene-d5
Concen: 0.731 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion: 82 Resp: 3624

Ion	Ratio	Lower	Upper
82	100		
128	149.9	97.0	145.4#
54	214.5	206.9	310.3



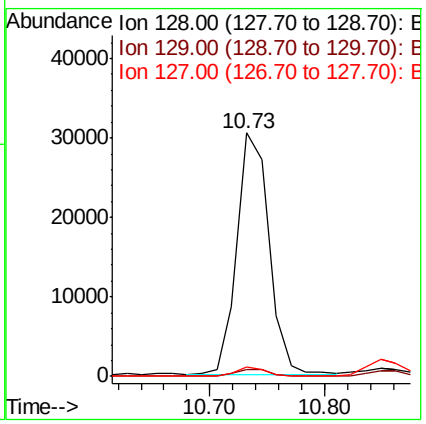


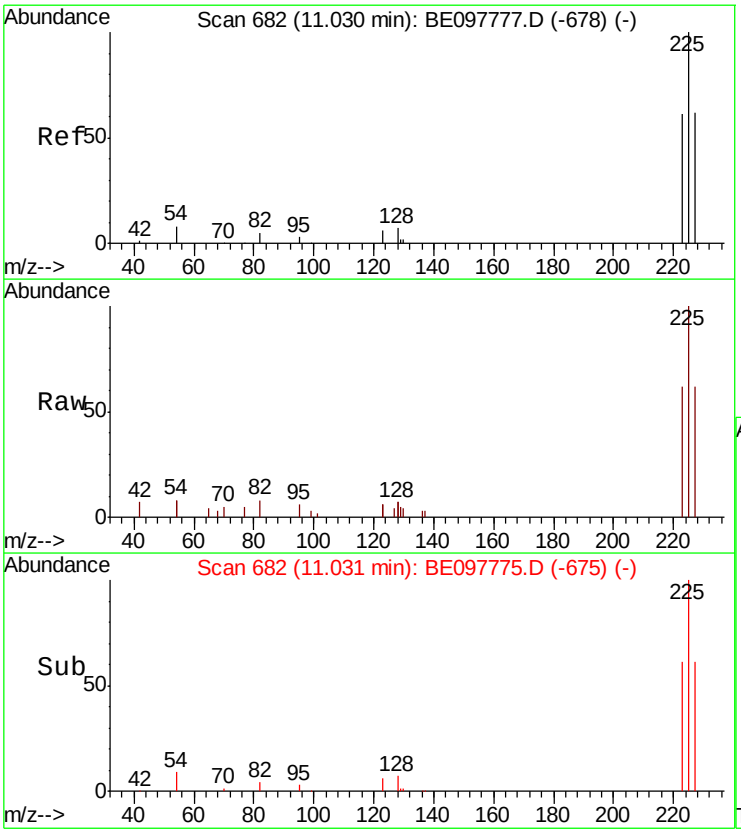
#9
Naphthalene
Concen: 0.383 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 58918

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.2
127	3.6	2.7	4.1

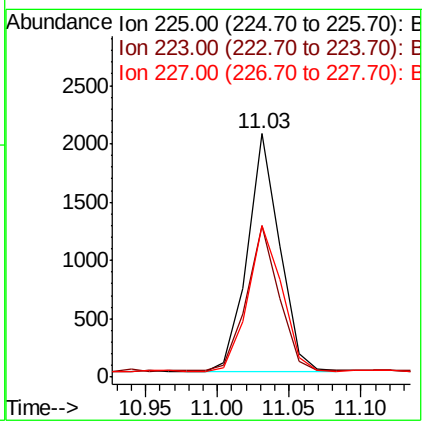


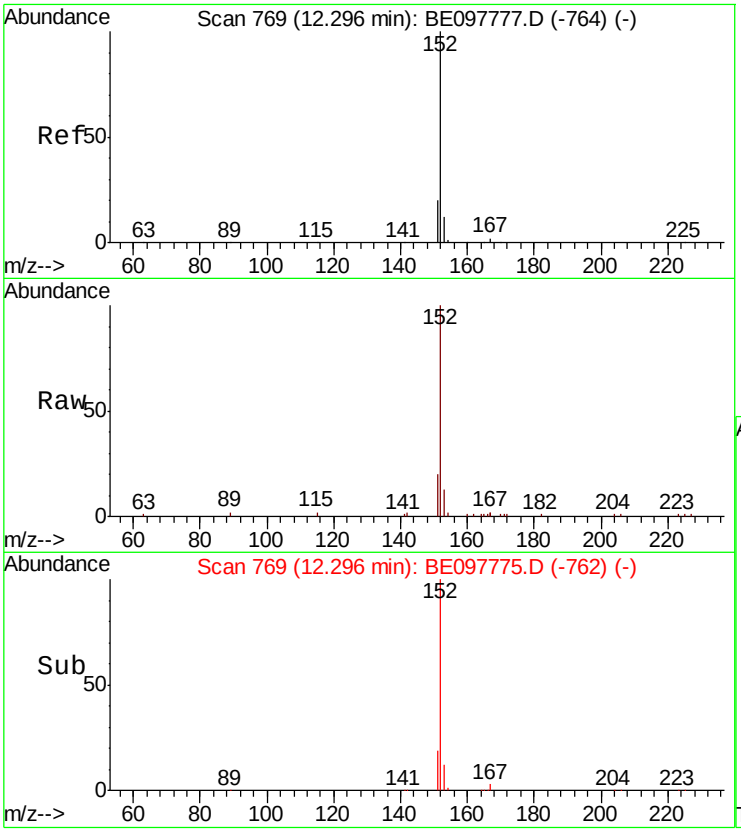


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:225 Resp: 3173

Ion	Ratio	Lower	Upper
225	100		
223	61.1	52.2	78.4
227	64.3	51.2	76.8



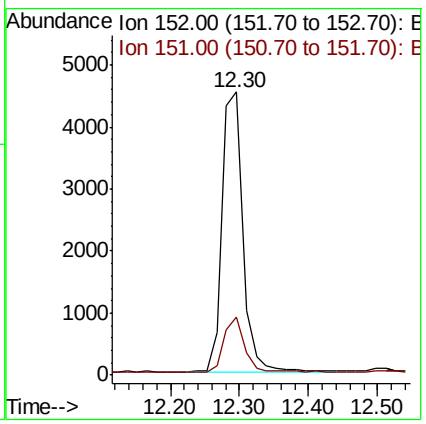


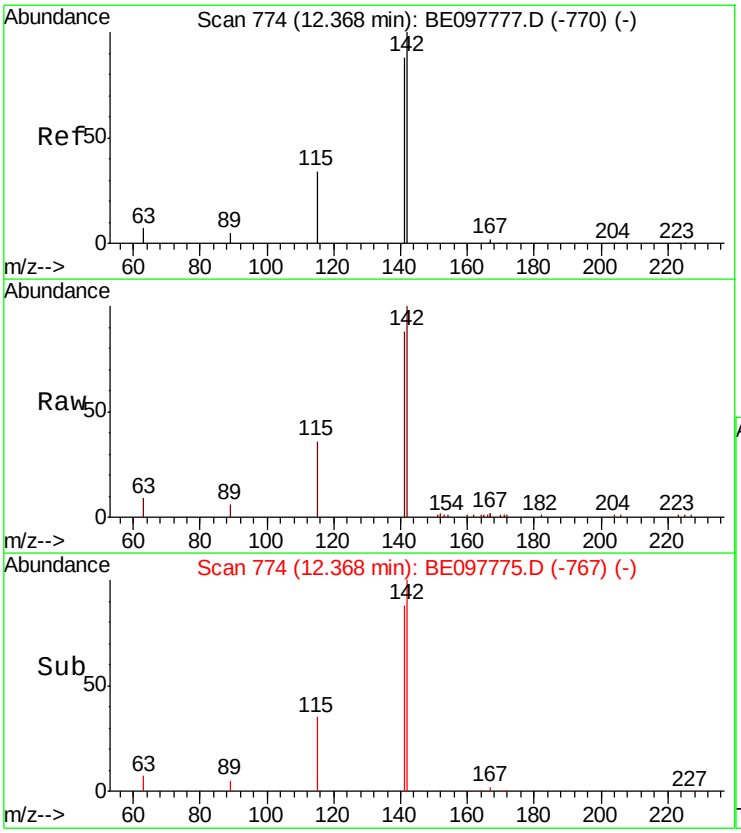
#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 9443

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

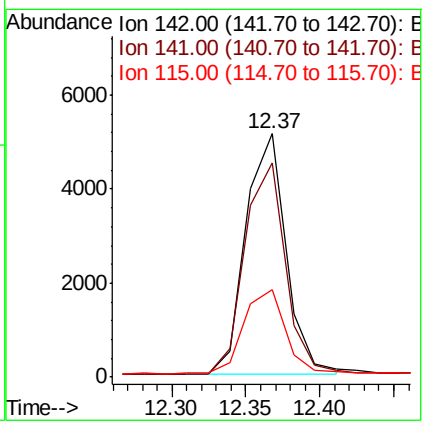


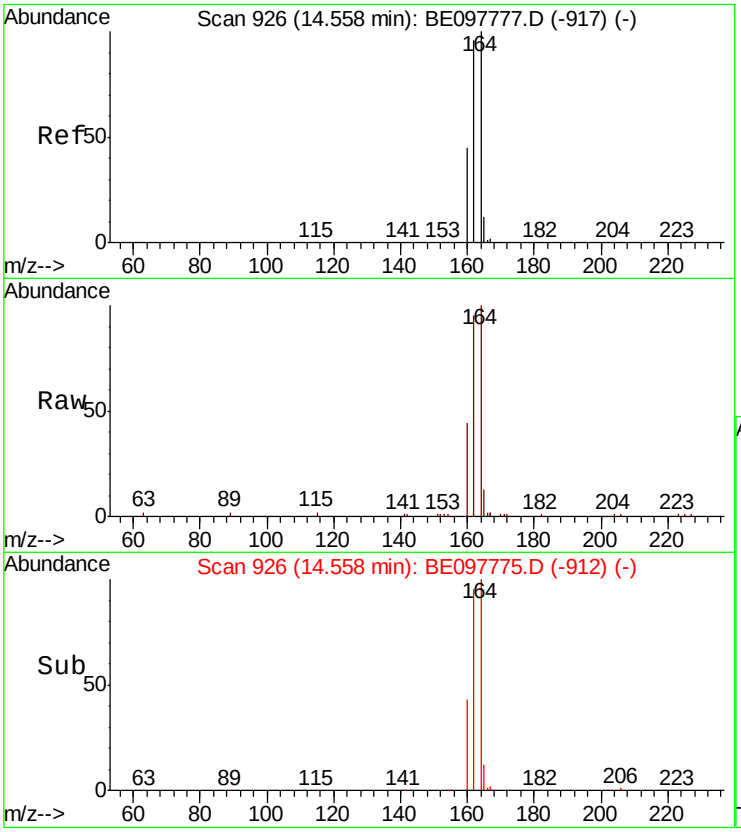


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:142 Resp: 9688

Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.4	104.2
115	36.0	28.0	42.0



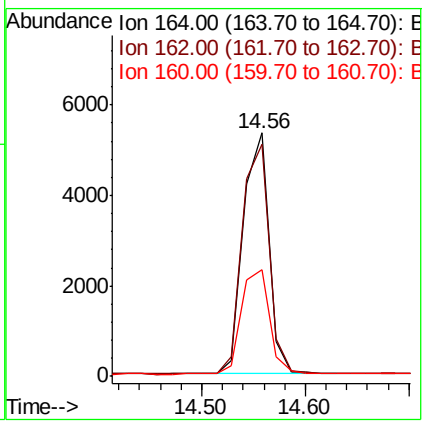


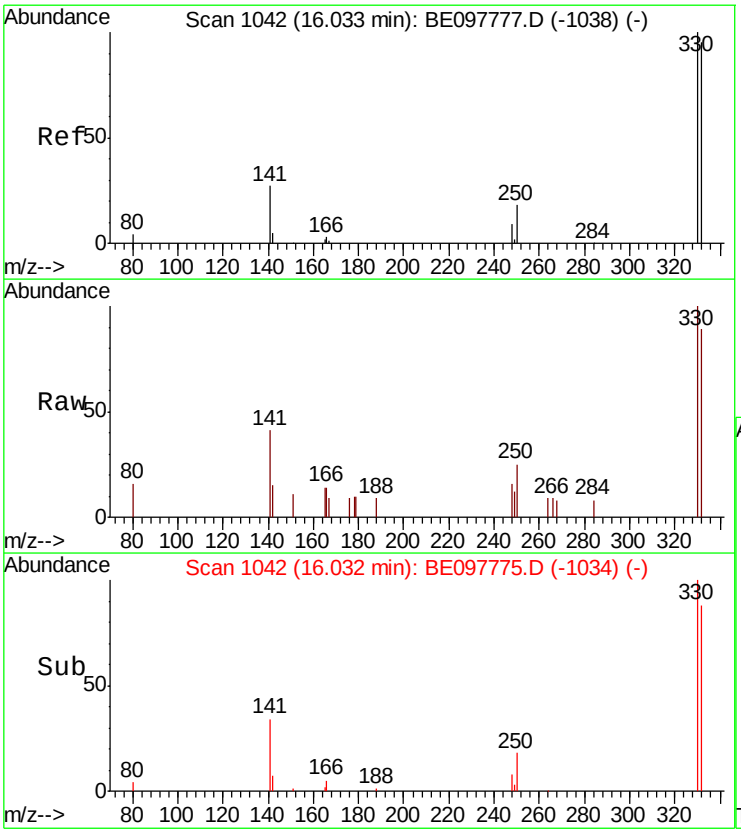
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 9215

Ion	Ratio	Lower	Upper
164	100		
162	95.3	78.6	117.8
160	43.9	37.8	56.6

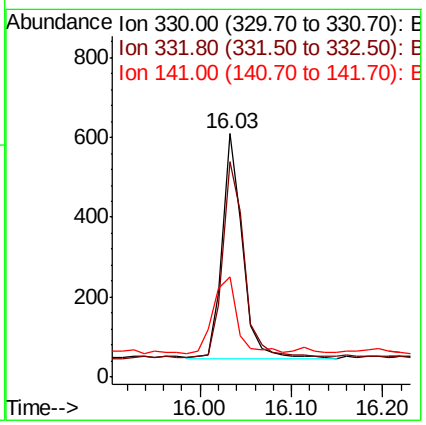


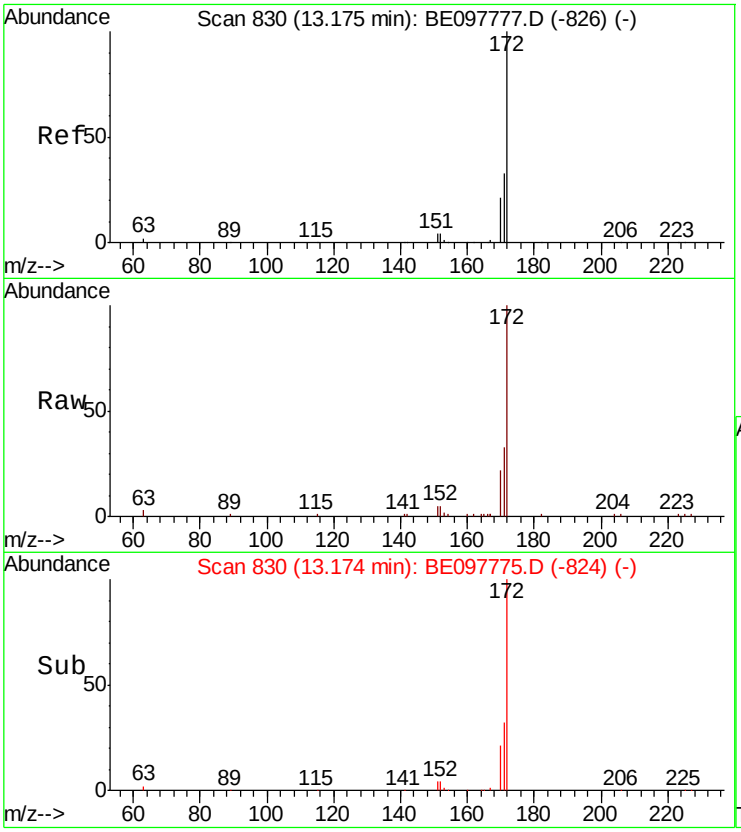


#14
2,4,6-Tribromophenol
Concen: 0.518 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:330 Resp: 866

Ion	Ratio	Lower	Upper
330	100		
332	93.6	83.5	125.3
141	41.3	34.9	52.3



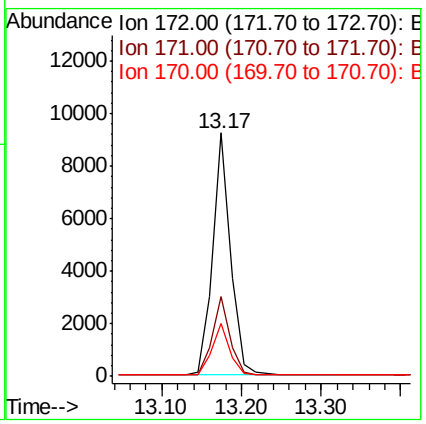


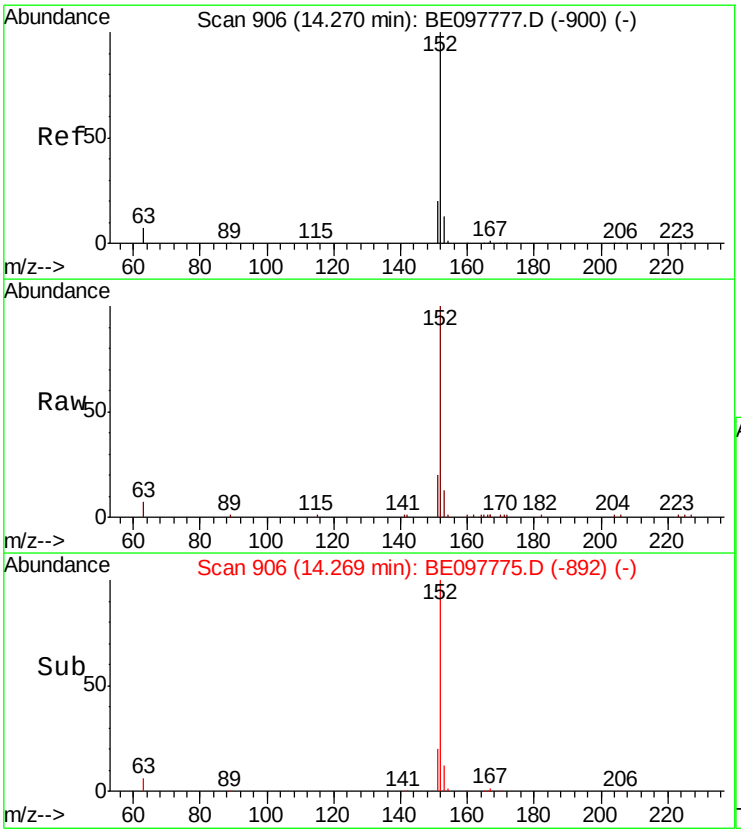
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 14397

Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.2	37.8
170	21.6	16.2	24.2

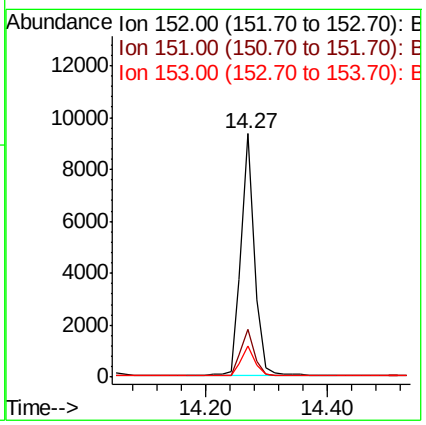


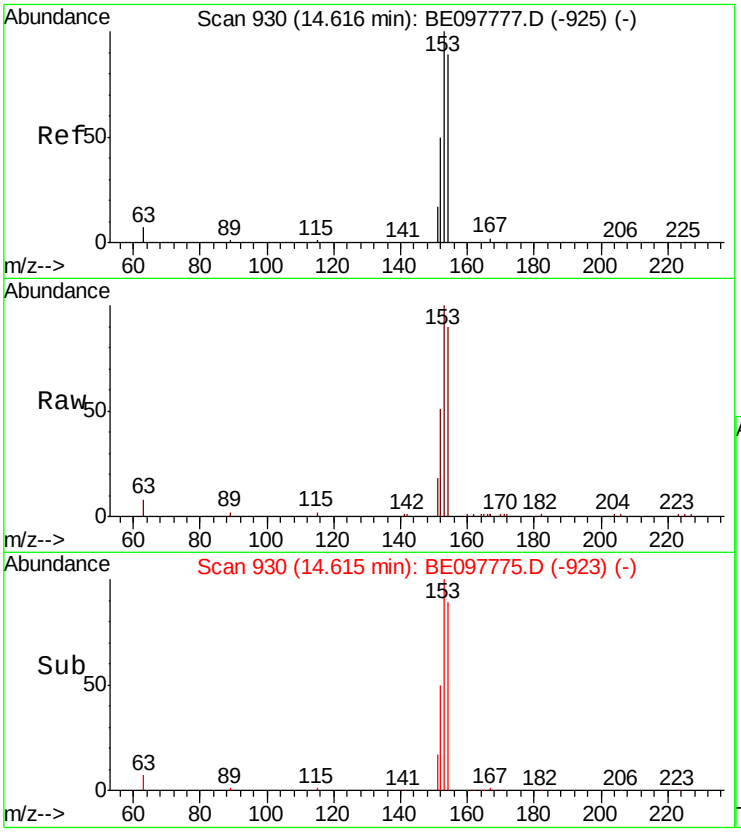


#16
Acenaphthylene
Concen: 0.359 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:152 Resp: 14642

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.3	22.9
153	12.7	10.8	16.2



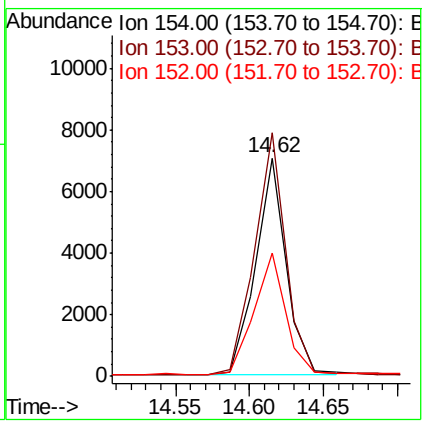


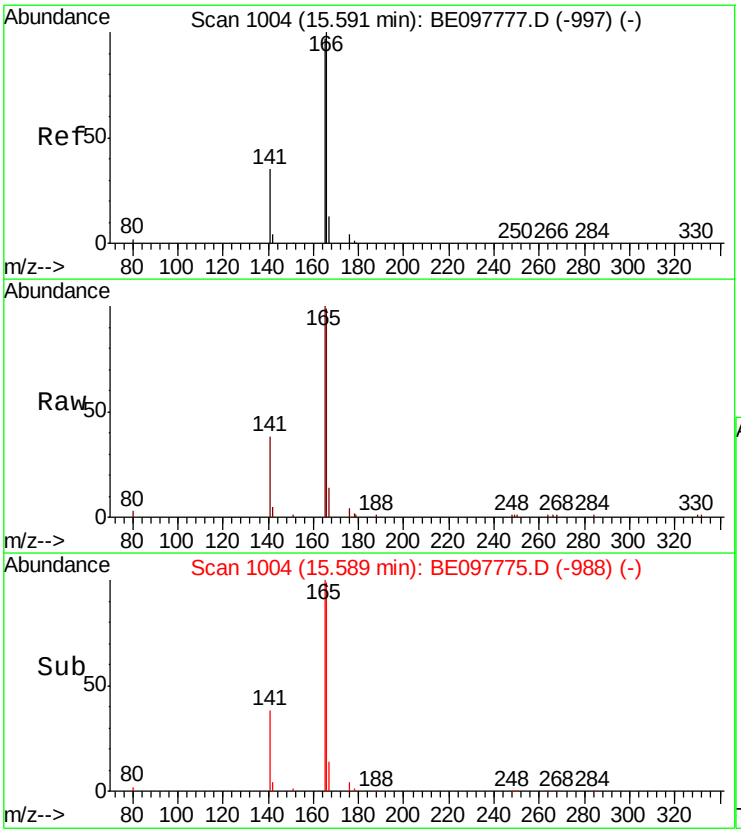
#17
Acenaphthene
Concen: 0.379 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9895

Ion	Ratio	Lower	Upper
154	100		
153	113.2	93.3	139.9
152	57.8	48.9	73.3

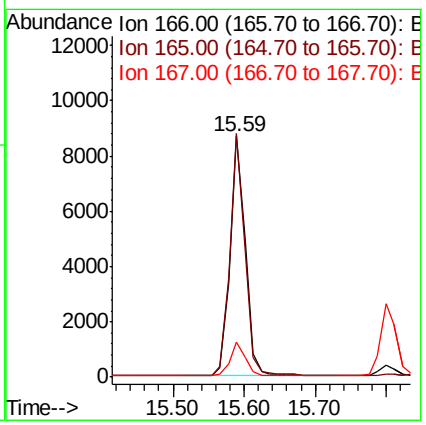


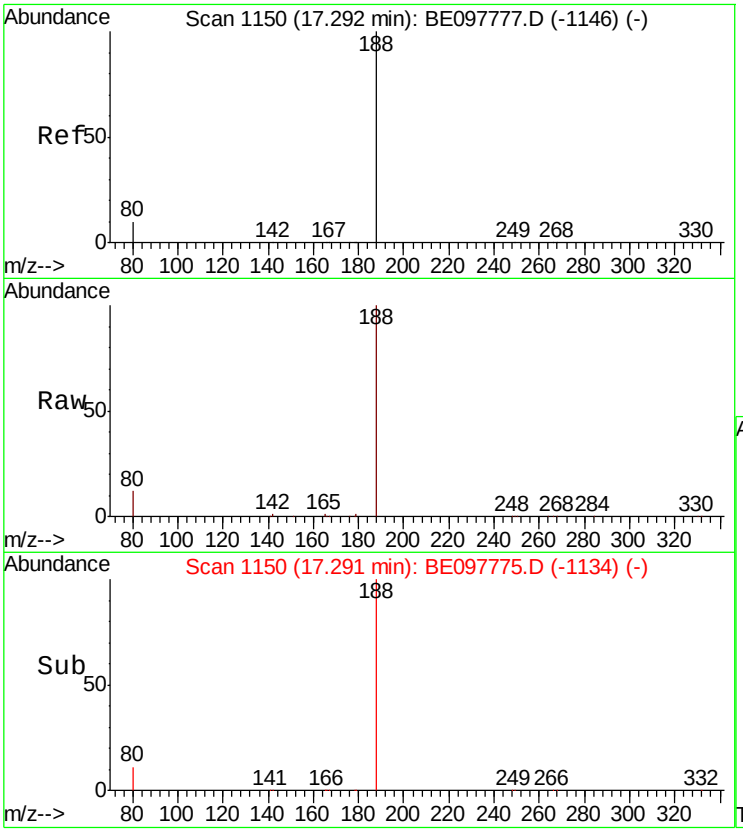


#18
Fluorene
Concen: 0.370 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:166 Resp: 12842

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.0	118.4
167	13.8	11.1	16.7



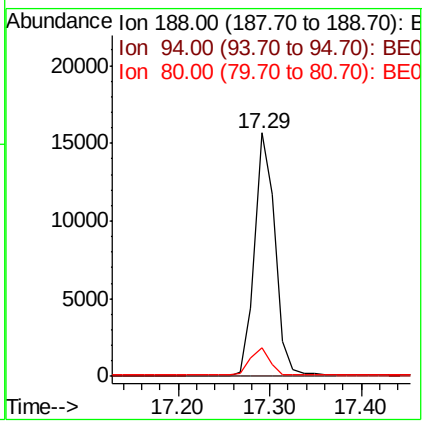


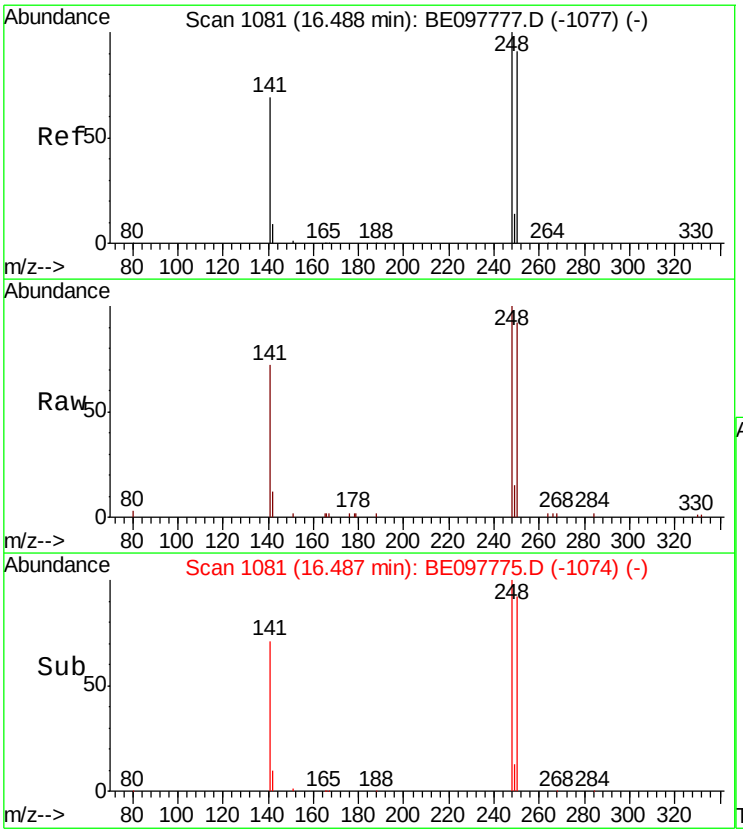
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 24392

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	6.6	9.8#

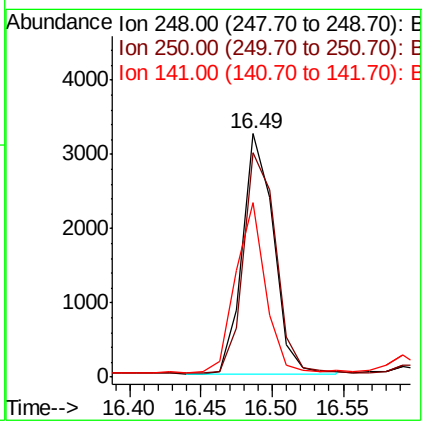


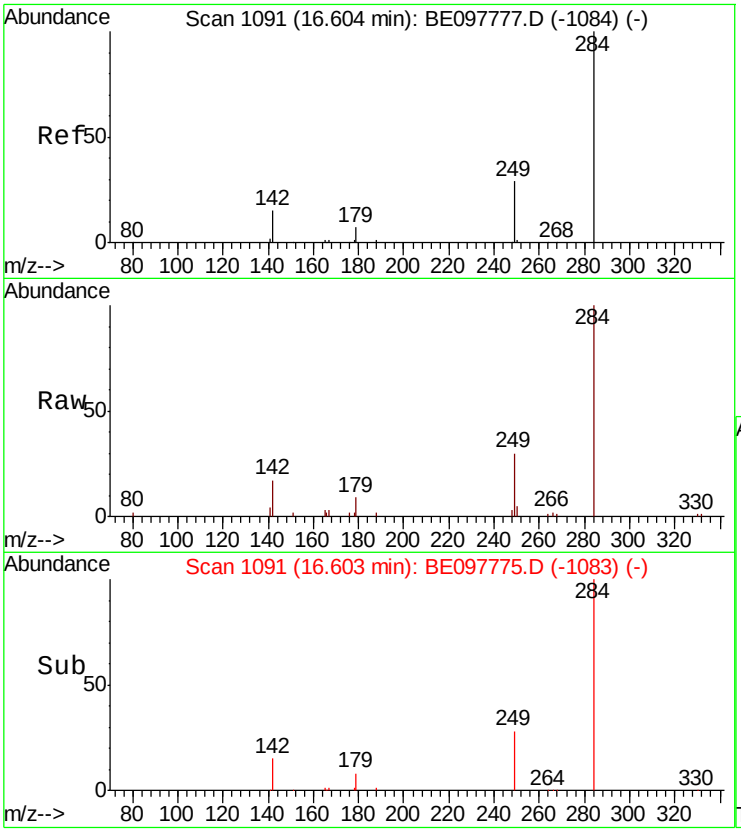


#20
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.49 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:248 Resp: 4896

Ion	Ratio	Lower	Upper
248	100		
250	92.4	76.1	114.1
141	71.6	42.2	63.4#



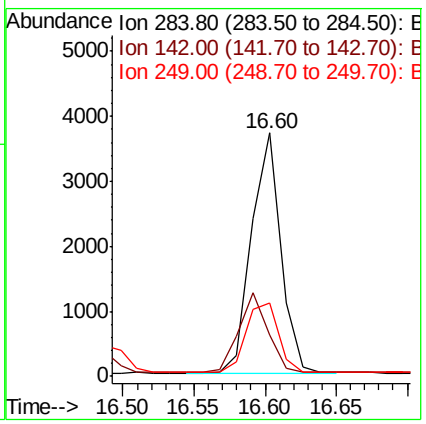


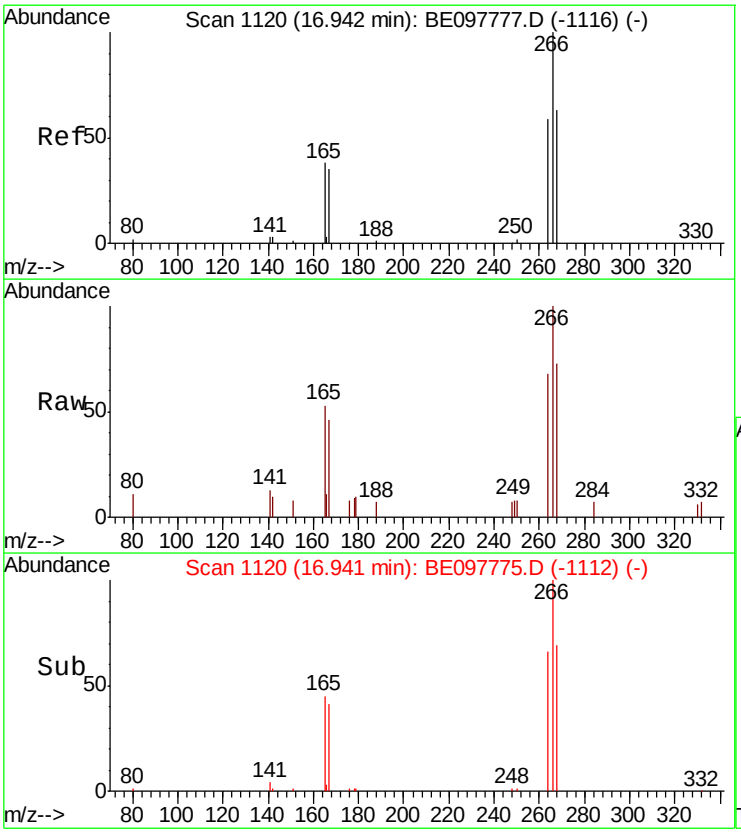
#21
Hexachlorobenzene
Concen: 0.367 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 5289

Ion	Ratio	Lower	Upper
284	100		
142	32.5	24.9	37.3
249	32.2	25.8	38.8

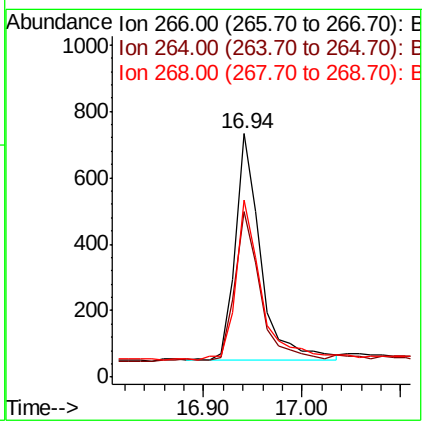


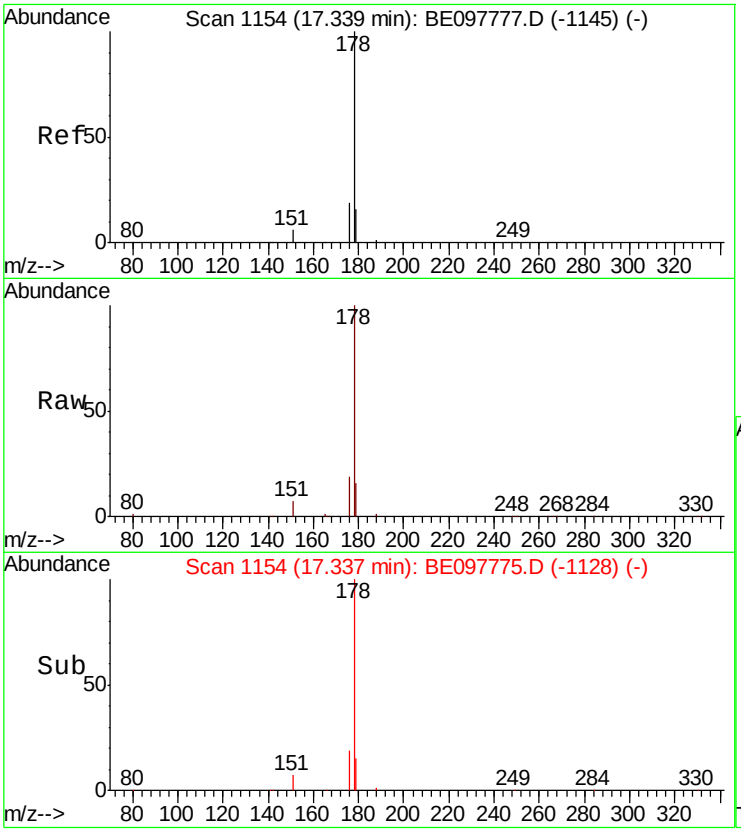


#22
Pentachlorophenol
Concen: 0.532 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:266 Resp: 1201

Ion	Ratio	Lower	Upper
266	100		
264	68.2	46.8	70.2
268	72.6	53.0	79.6



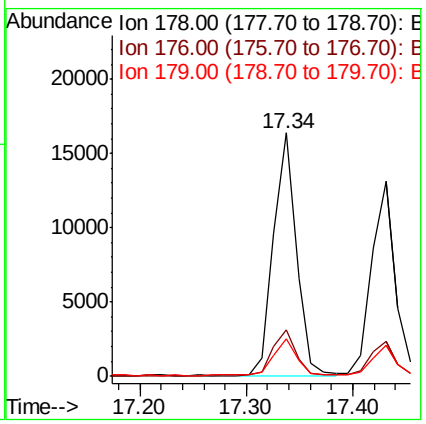


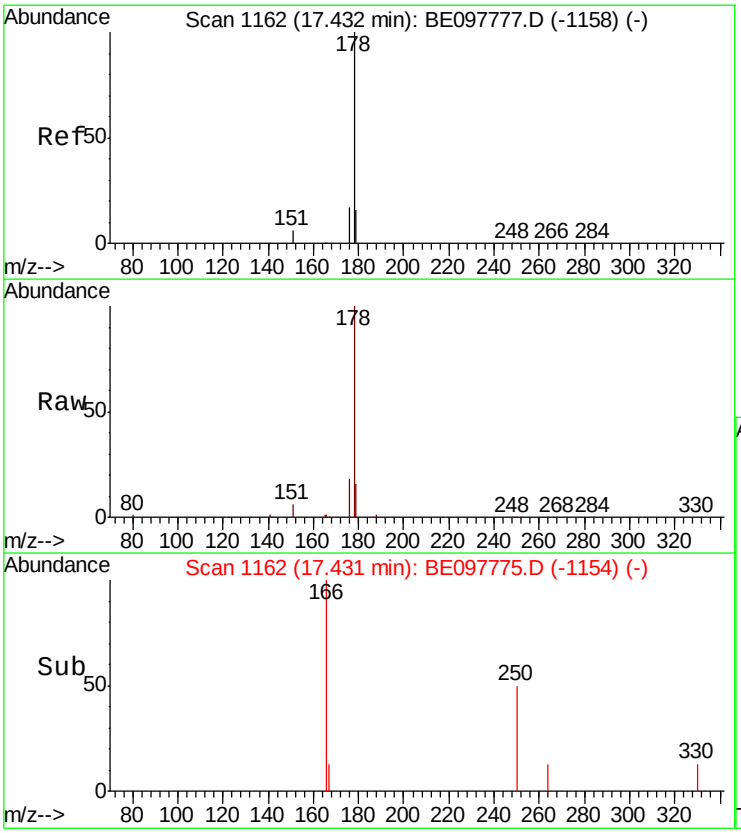
#23
Phenanthrene
Concen: 0.387 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 24304

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.3	12.2	18.4

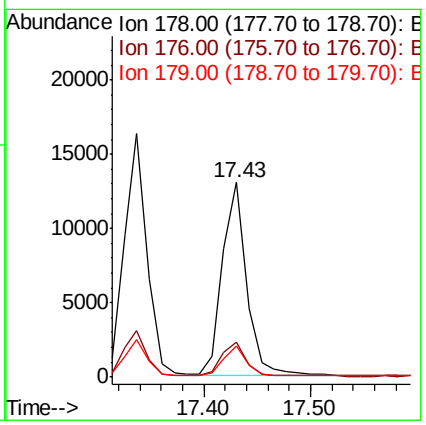


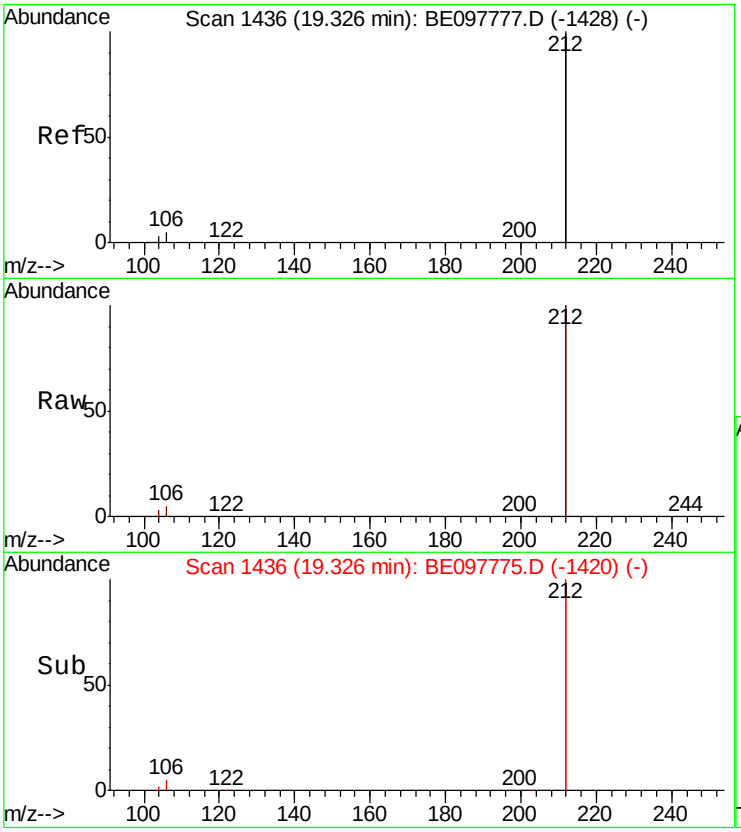


#24
Anthracene
Concen: 0.370 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:178 Resp: 20087

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	15.4	12.2	18.2



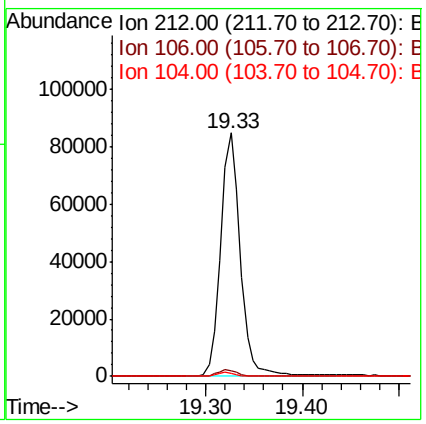


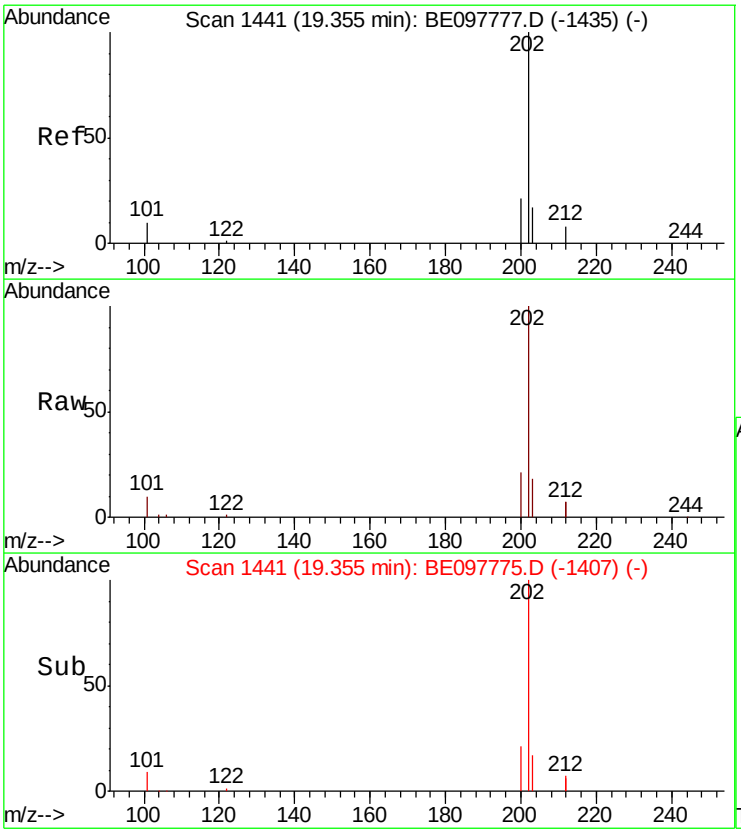
#25
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 120007

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

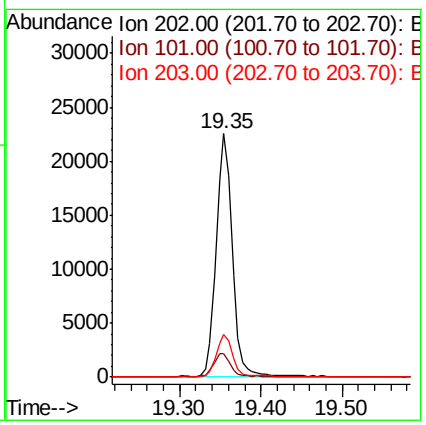


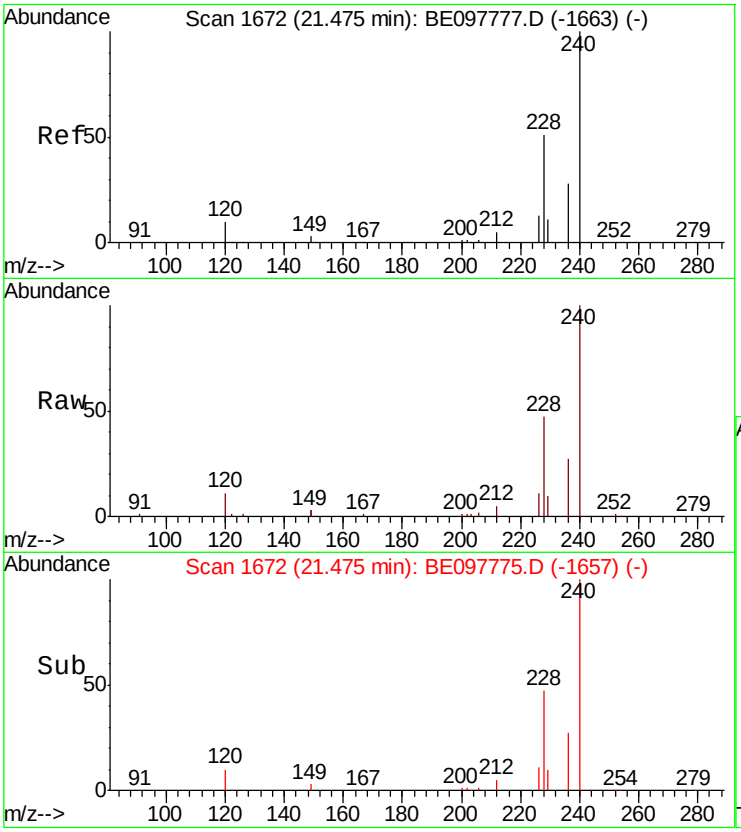


#26
Fluoranthene
Concen: 0.381 ng
RT: 19.35 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:202 Resp: 30543

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.8
203	17.3	13.8	20.6



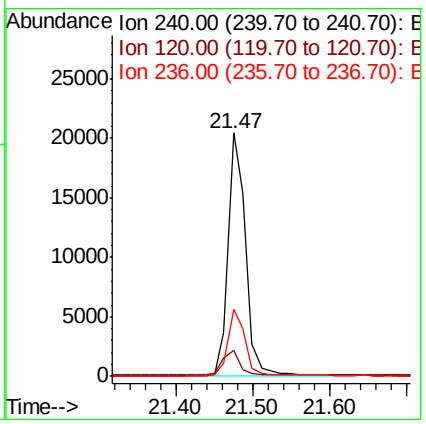


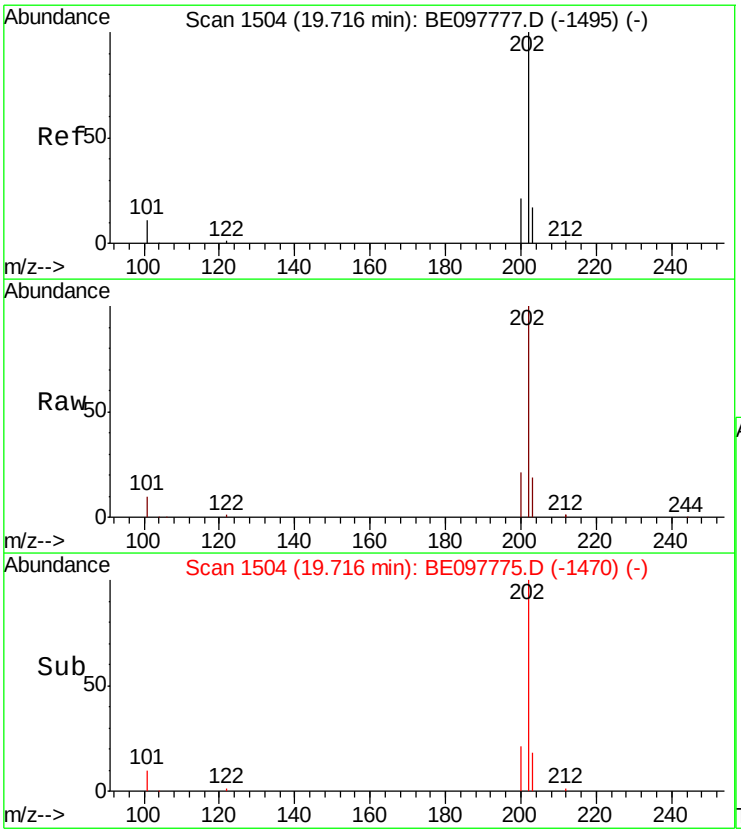
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 31984

Ion	Ratio	Lower	Upper
240	100		
120	10.6	4.7	7.1#
236	27.3	20.8	31.2

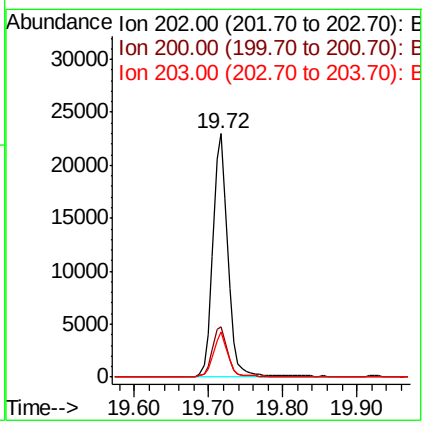


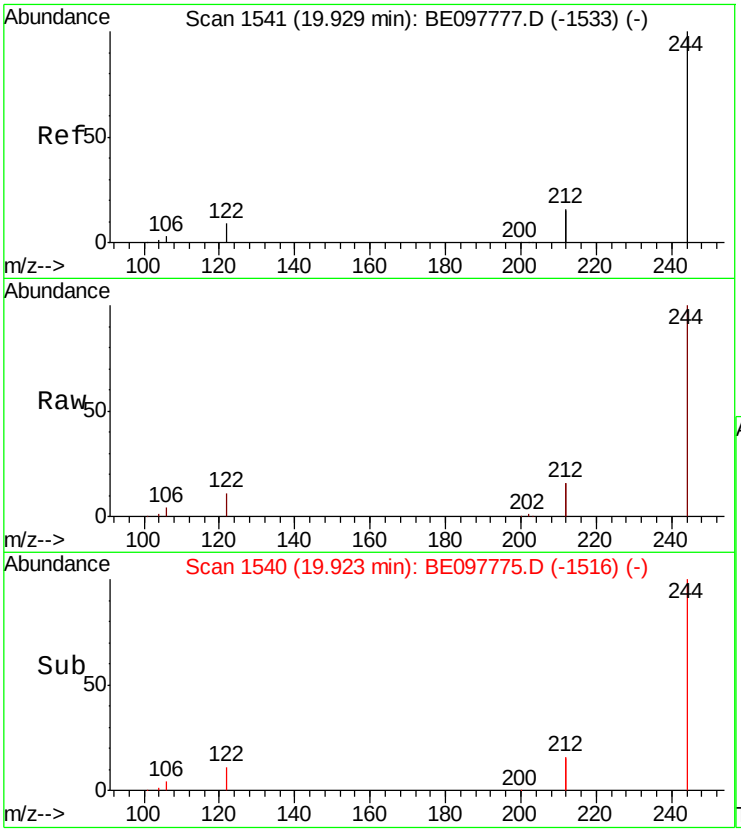


#28
Pyrene
Concen: 0.392 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:202 Resp: 31888

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.4	13.9	20.9



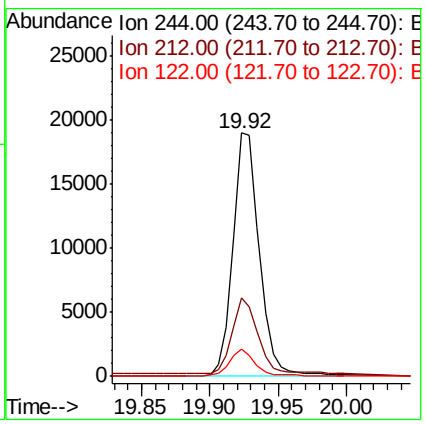


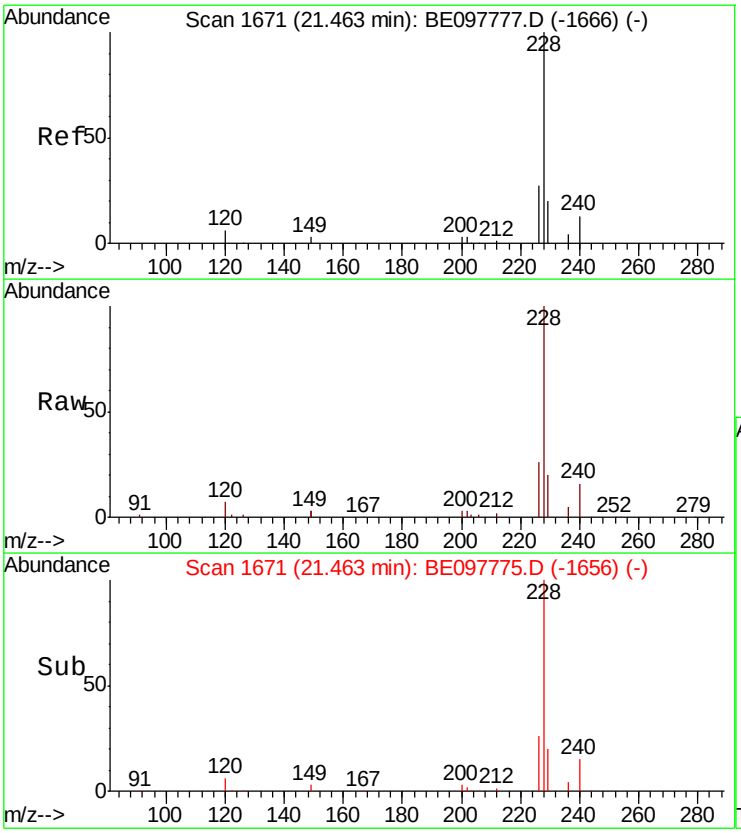
#29
Terphenyl-d14
Concen: 0.389 ng
RT: 19.92 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 25393

Ion	Ratio	Lower	Upper
244	100		
212	32.4	25.8	38.8
122	11.4	8.7	13.1

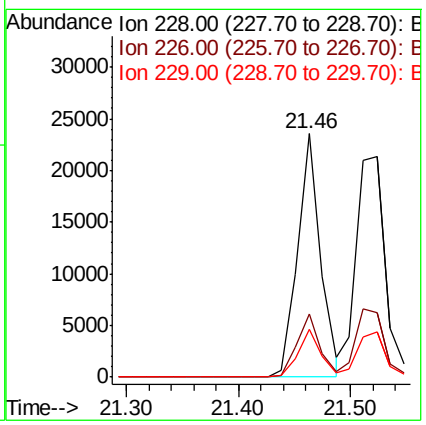


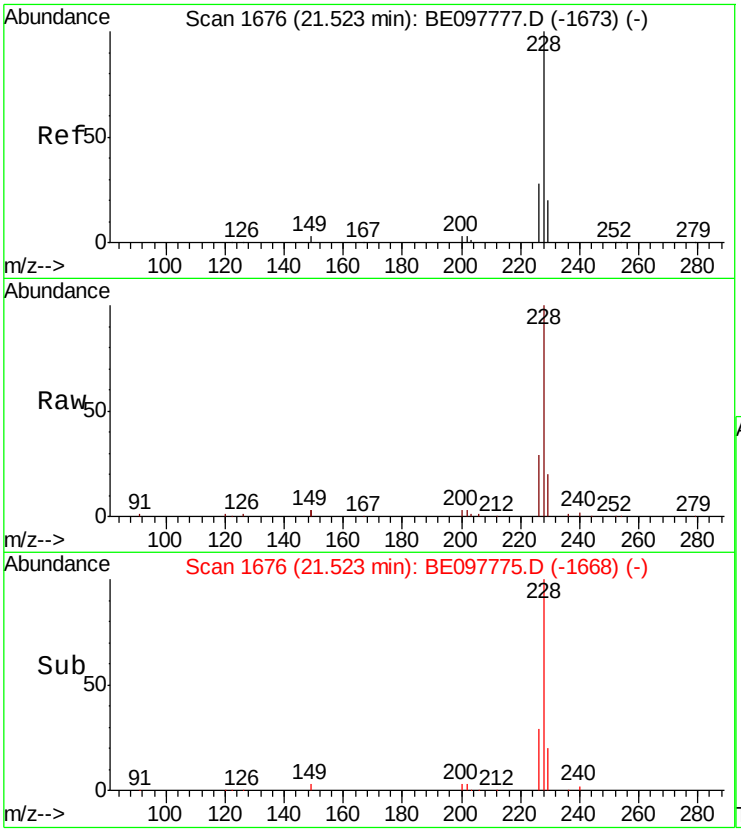


#30
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:228 Resp: 32961

Ion	Ratio	Lower	Upper
228	100		
226	26.2	20.7	31.1
229	19.8	15.7	23.5



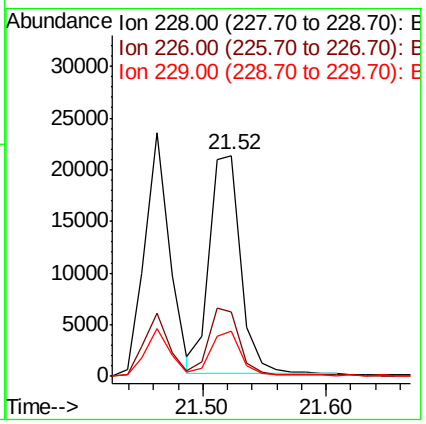


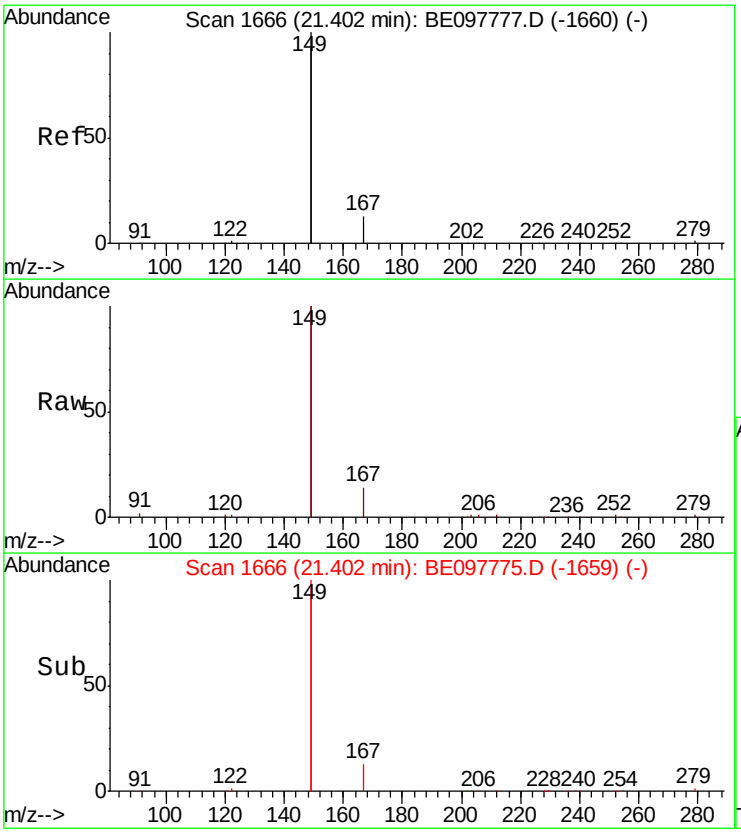
#31
Chrysene
Concen: 0.392 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 37634

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.3	36.5
229	20.2	16.0	24.0

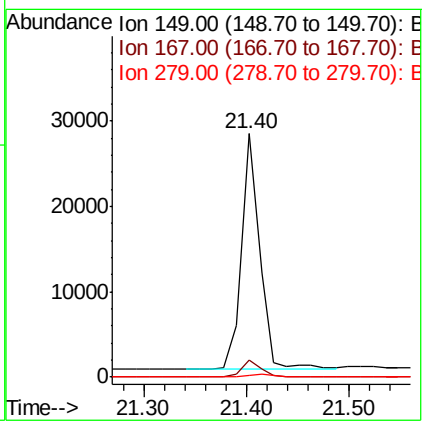


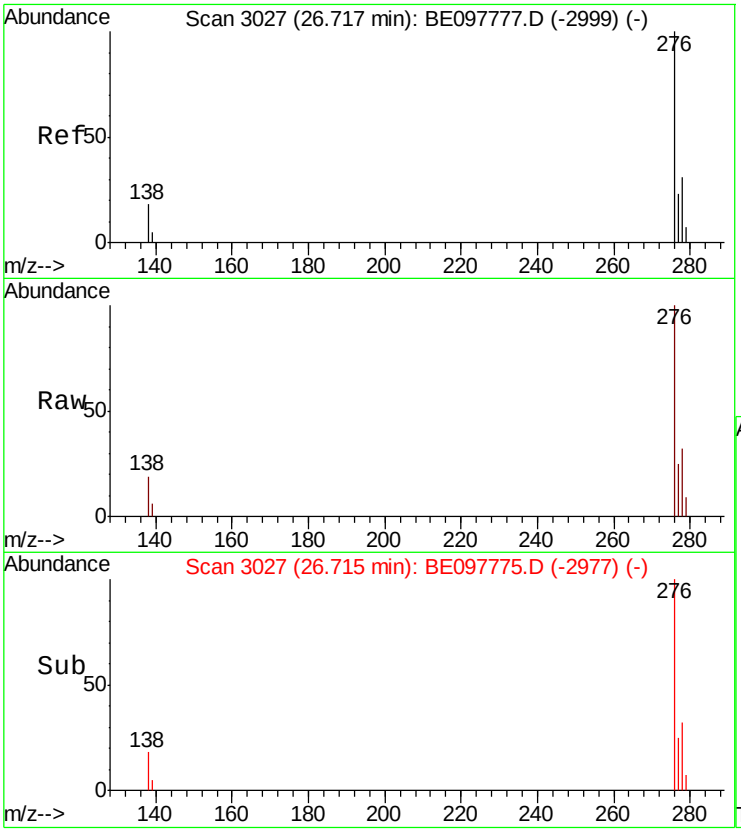


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.532 ng
RT: 21.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:149 Resp: 33458

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.5	8.3
279	1.0	0.9	1.3



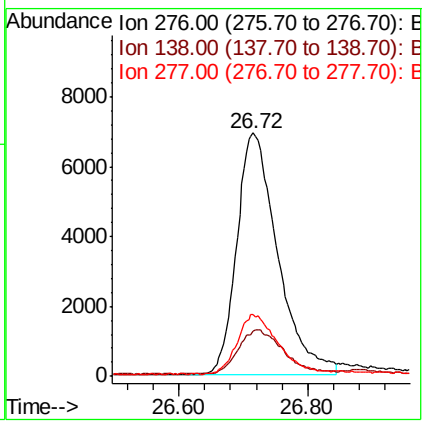


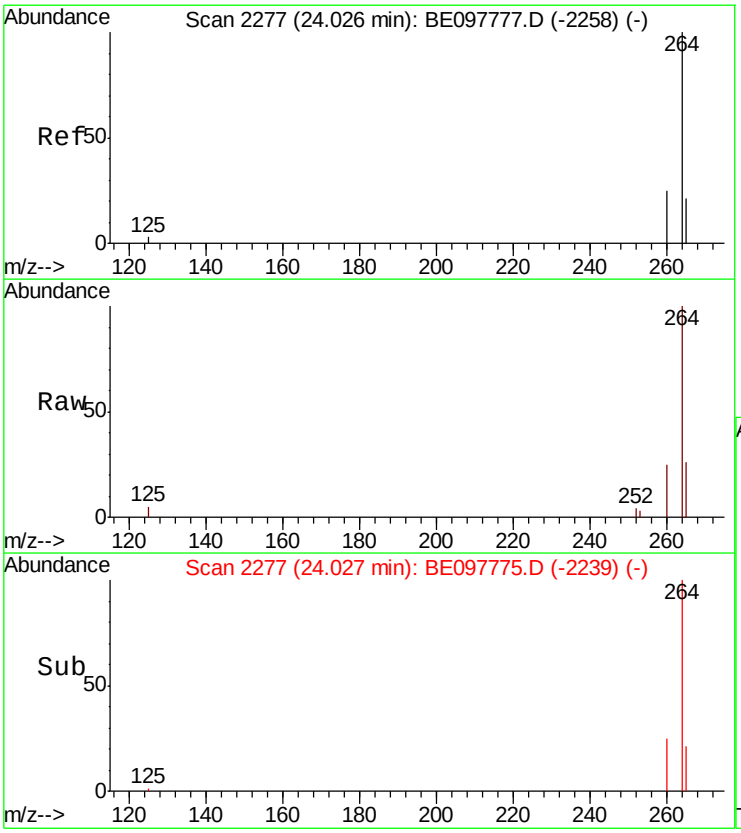
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.367 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.02 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 30617

Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.0	22.6
277	24.7	19.2	28.8

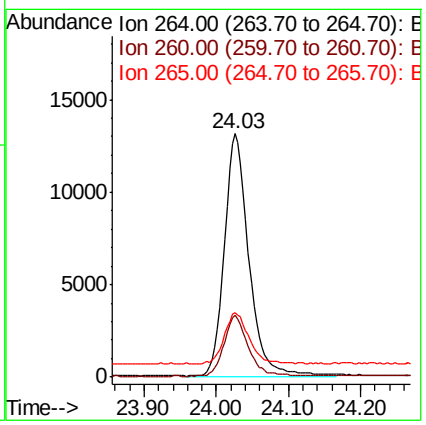


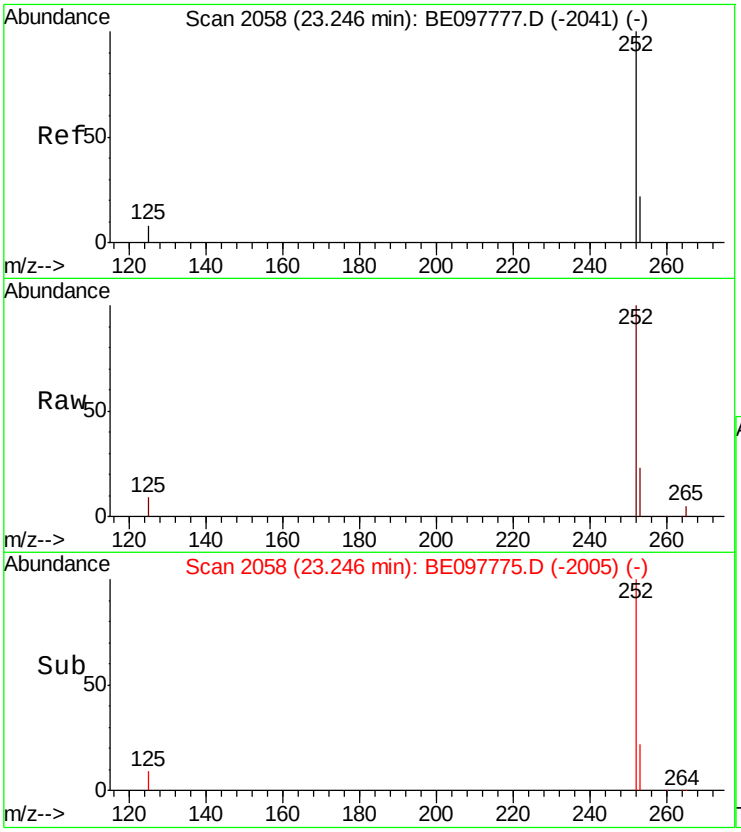


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.03 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:264 Resp: 30344

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.1	28.7
265	26.2	21.9	32.9



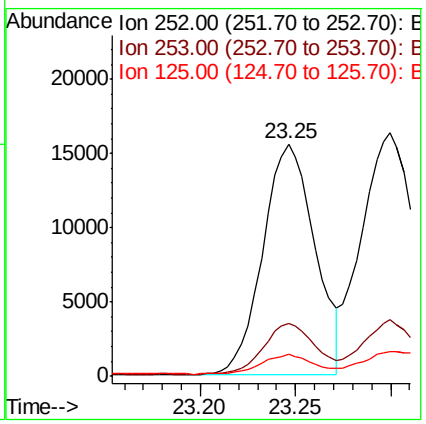


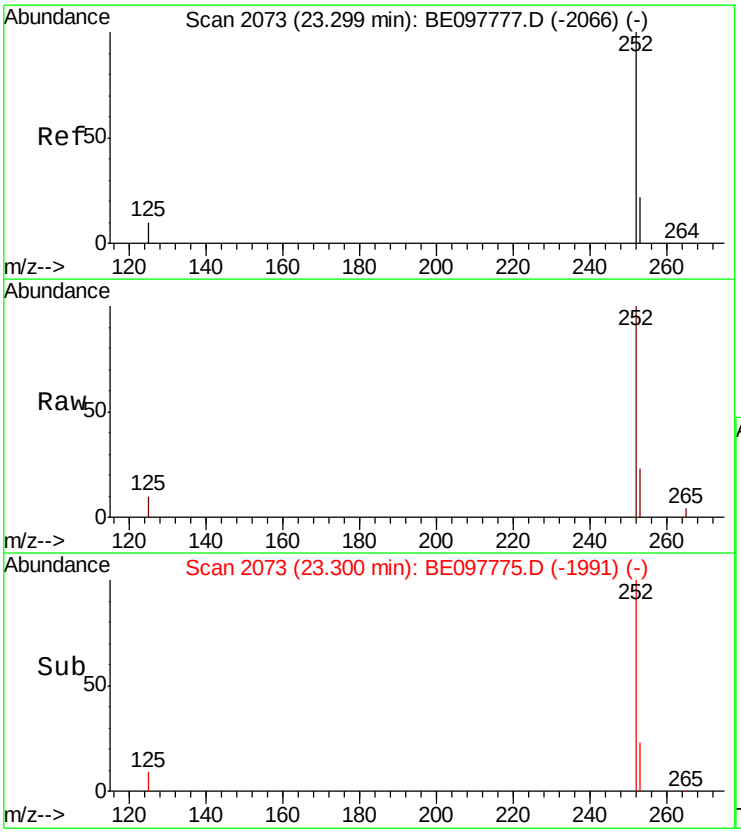
#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 29488

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.5	7.8	11.8

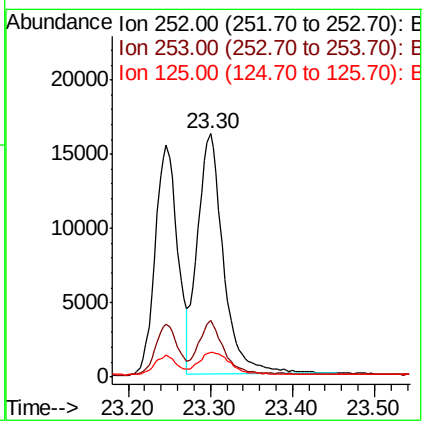


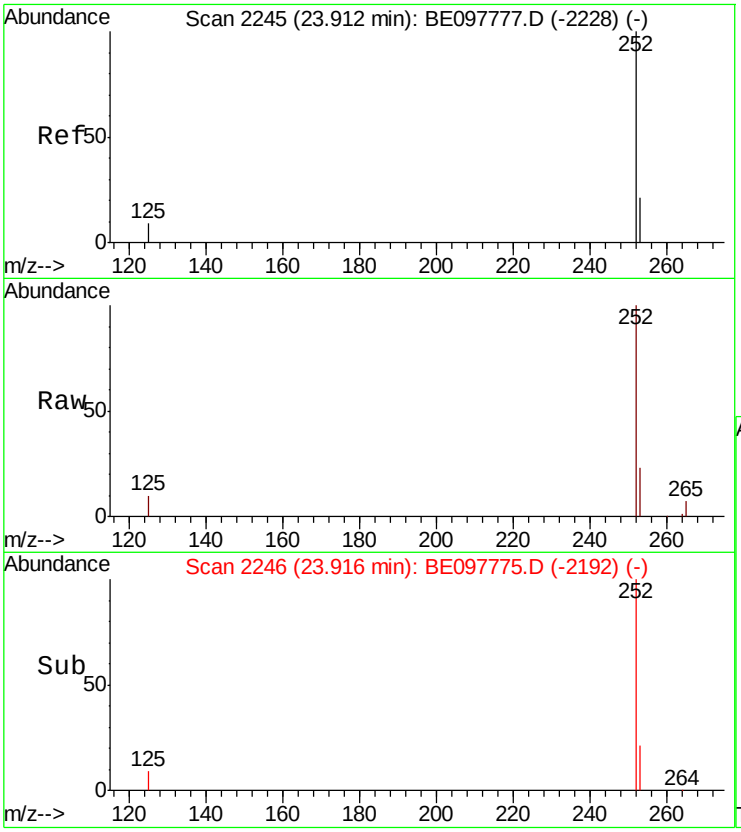


#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.30 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:252 Resp: 35640

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.1	7.5	11.3



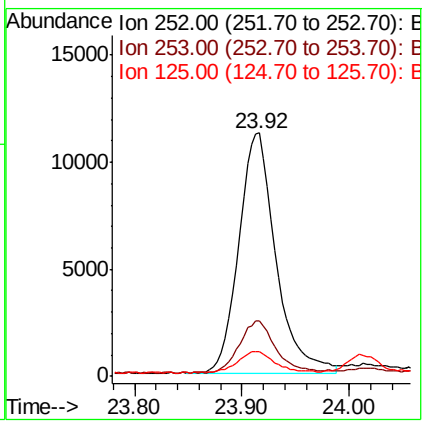


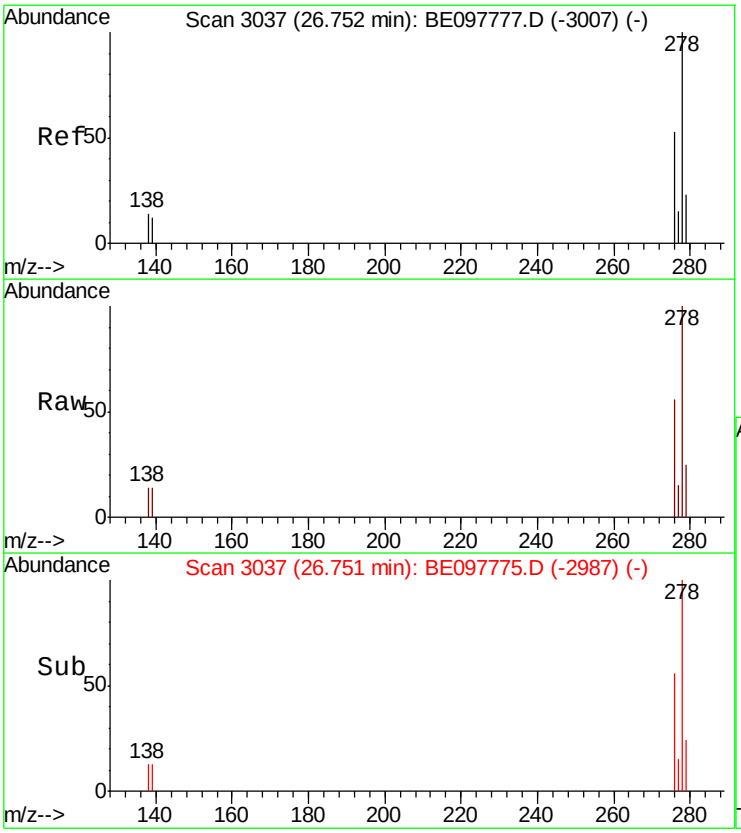
#37
Benzo(a)pyrene
Concen: 0.356 ng
RT: 23.92 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 26803

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.0	8.3	12.5

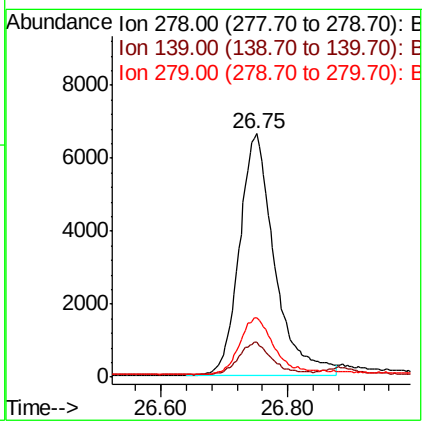


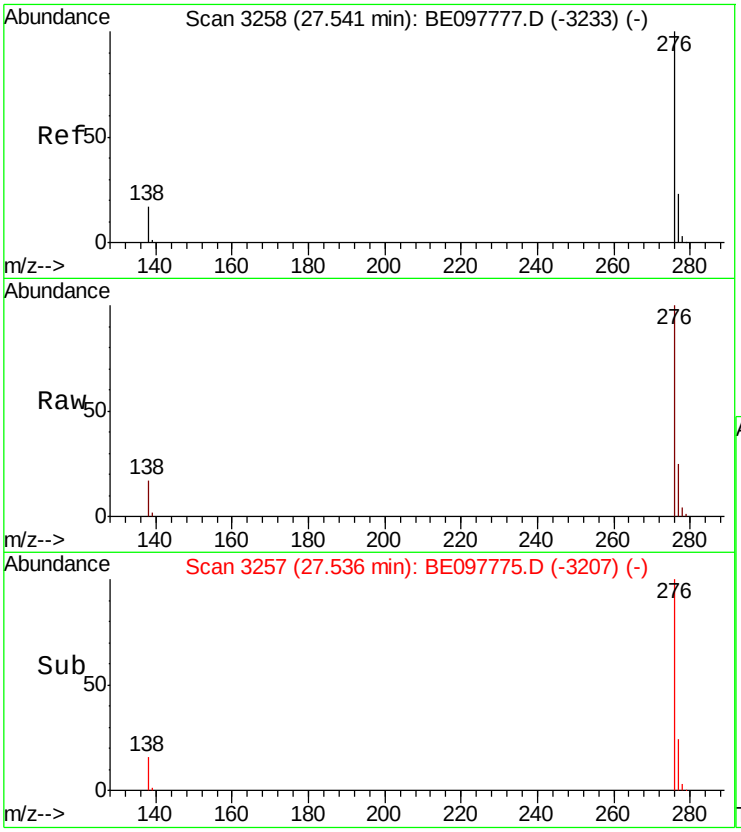


#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.75 min Scan# 3037
Delta R.T. -0.02 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Tgt Ion:278 Resp: 25448

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.3	15.5
279	24.5	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 0.357 ng
RT: 27.54 min Scan# 3257
Delta R.T. -0.02 min
Lab File: BE097775.D
Acq: 6 Oct 2018 4:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 27765

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.1	28.7
138	17.2	14.2	21.2