Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100318\
Data File : BE097711.D
Acq On : 3 Oct 2018 11:33
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Oct 03 12:16:09 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 11:25:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	5657	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	24029	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	14477	0.40	ng		0.00
19) Phenanthrene-d10	17.30	188	37300	0.40	ng		0.00
27) Chrysene-d12	21.49	240	51035	0.40	ng		0.00
34) Perylene-d12	24.04	264	43064	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	44008	3.15	ng		0.00
5) Phenol-d6	7.04	99	66858	3.47	ng		0.00
8) Nitrobenzene-d5	9.04	82	28138	1.65	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	124086	3.32	ng		0.00
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
15) 2-Fluorobiphenyl	13.17	172	183949	3.02	ng		-0.01
25) Fluoranthene-d10	19.33	212	1632939	3.61	ng		0.00
29) Terphenyl-d14	19.93	244	334640	3.04	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	34029	2.886	ng		96
3) n-Nitrosodimethylamine	3.69	42	35554	5.018	ng	#	86
6) bis(2-Chloroethyl)ether	7.31	93	67781	3.591	ng		99
9) Naphthalene	10.74	128	767616	3.234	ng		100
10) Hexachlorobutadiene	11.04	225	39770	3.585	ng		99
12) 2-Methylnaphthalene	12.37	142	130884	3.608	ng		100
16) Acenaphthylene	14.27	152	216862	3.510	ng		99
17) Acenaphthene	14.62	154	134132	3.226	ng		96
18) Fluorene	15.60	166	181746	3.420	ng		99
20) 4-Bromophenyl-phenylether	16.50	248	66964	3.522	ng		92
21) Hexachlorobenzene	16.60	284	70487	3.296	ng		99
23) Phenanthrene	17.34	178	313217	3.247	ng		100
24) Anthracene	17.43	178	295734	3.728	ng		100
26) Fluoranthene	19.36	202	427749	3.573	ng		99
28) Pyrene	19.72	202	431273	3.247	ng		100
30) Benzo(a)anthracene	21.46	228	485135	3.843	ng		97
31) Chrysene	21.52	228	490480	3.106	ng		99
33) Indeno(1,2,3-cd)pyrene	26.73	276	464453	2.786	ng		98
35) Benzo(b)fluoranthene	23.26	252	420270	3.377	ng		99
36) Benzo(k)fluoranthene	23.31	252	469799	3.272	ng		99
37) Benzo(a)pyrene	23.92	252	395181	3.311	ng		99
38) Dibenzo(a,h)anthracene	26.77	278	396606	3.062	ng		99
39) Benzo(g,h,i)perylene	27.55	276	392634	2.989	ng		99

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

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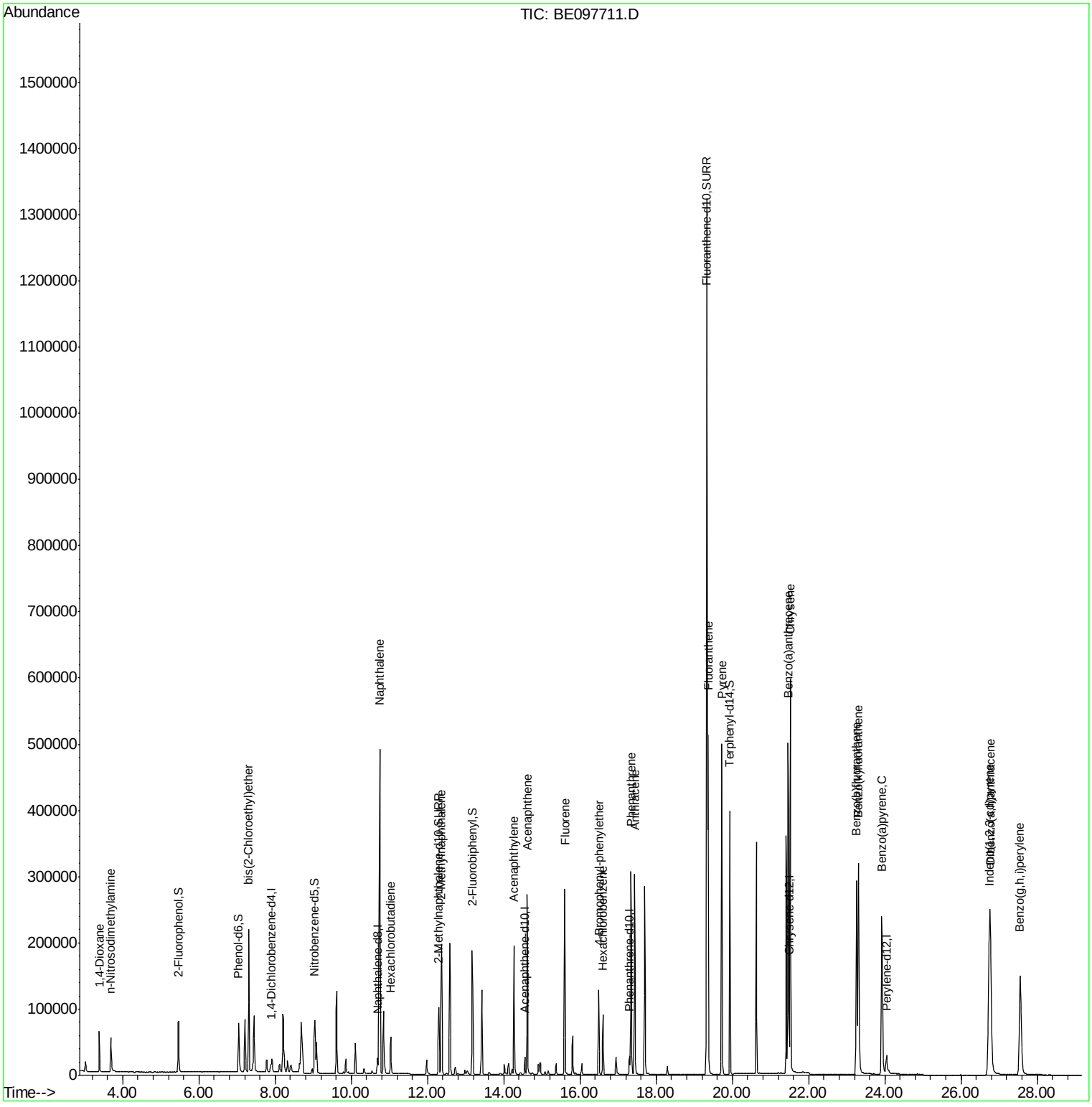
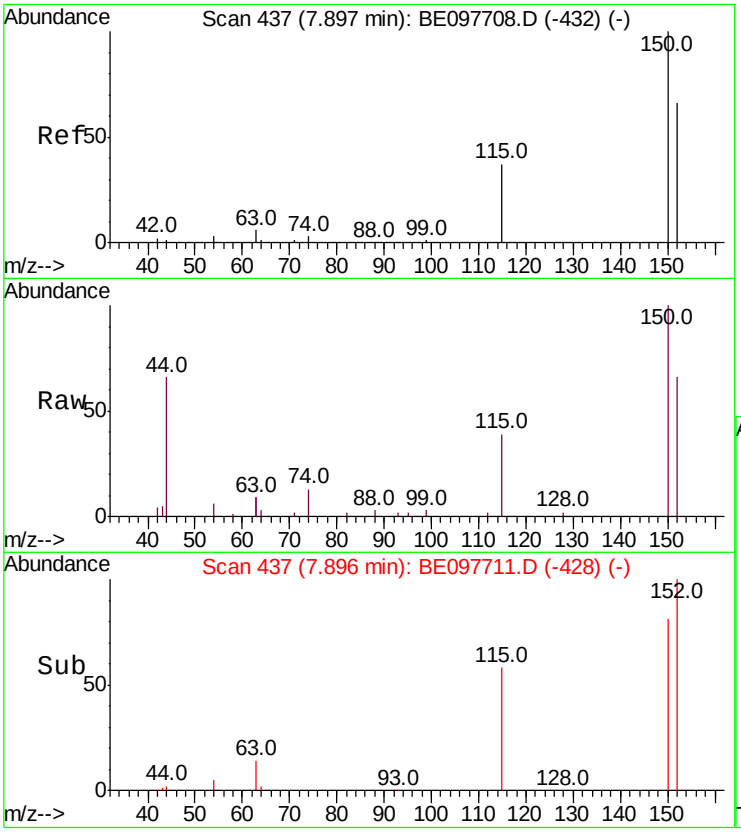
Acq On : 3 Oct 2018 11:33
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Quant Time: Oct 03 12:16:09 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 11:25:02 2018
Response via : Initial Calibration



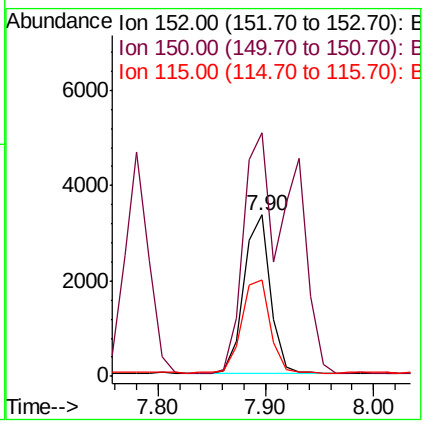


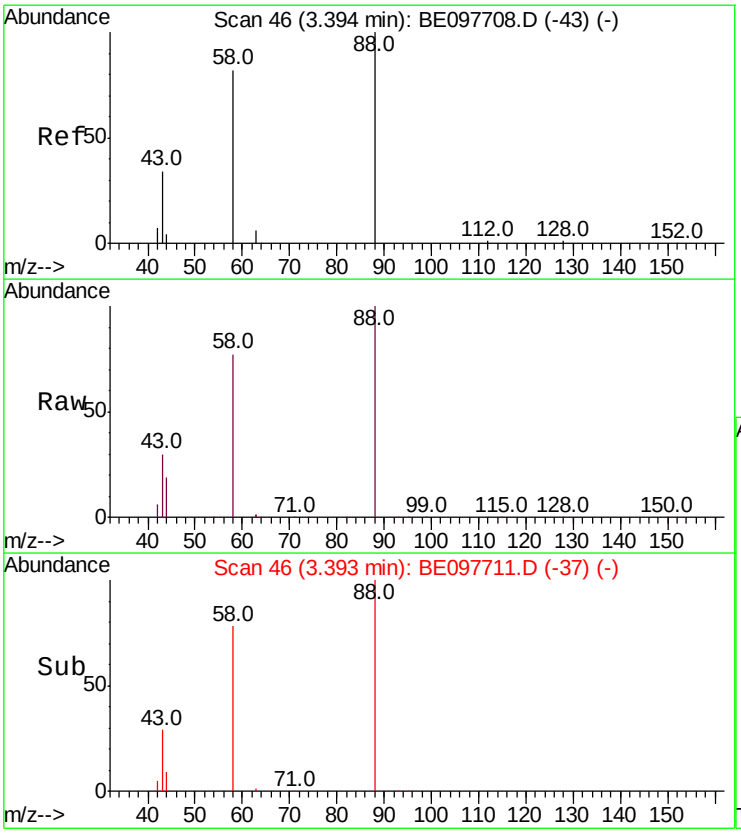
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 5657

Ion	Ratio	Lower	Upper
152	100		
150	151.0	120.9	181.3
115	59.5	46.6	69.8

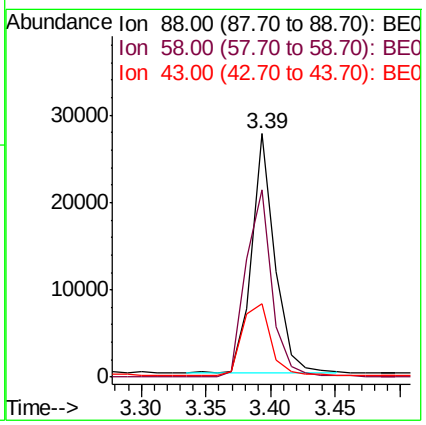


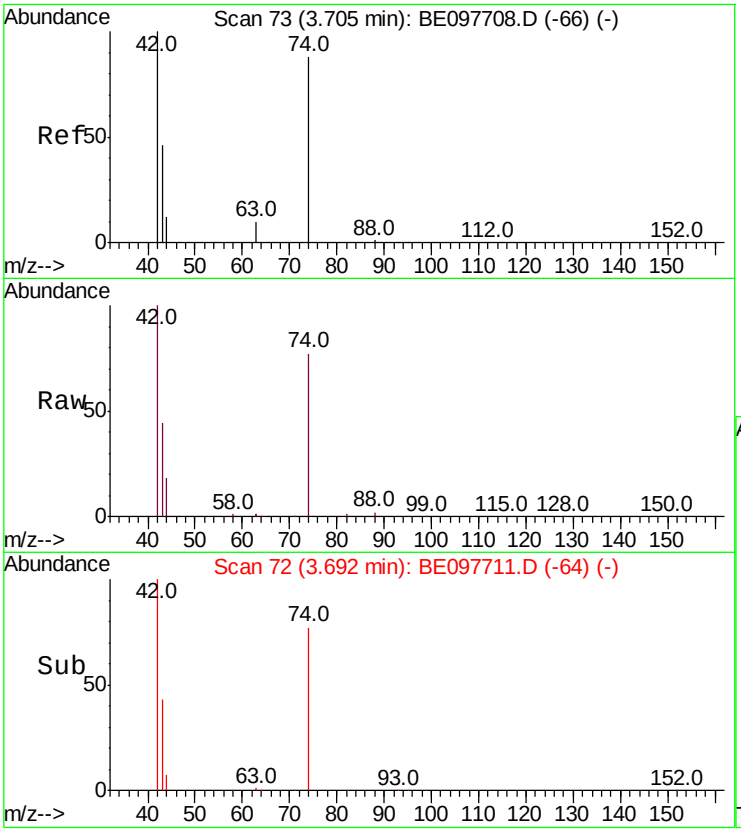


#2
1,4-Dioxane
Concen: 2.886 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion: 88 Resp: 34029

Ion	Ratio	Lower	Upper
88	100		
58	86.9	70.8	106.2
43	36.6	33.3	49.9



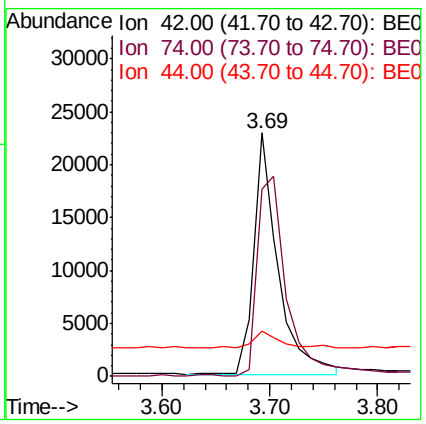


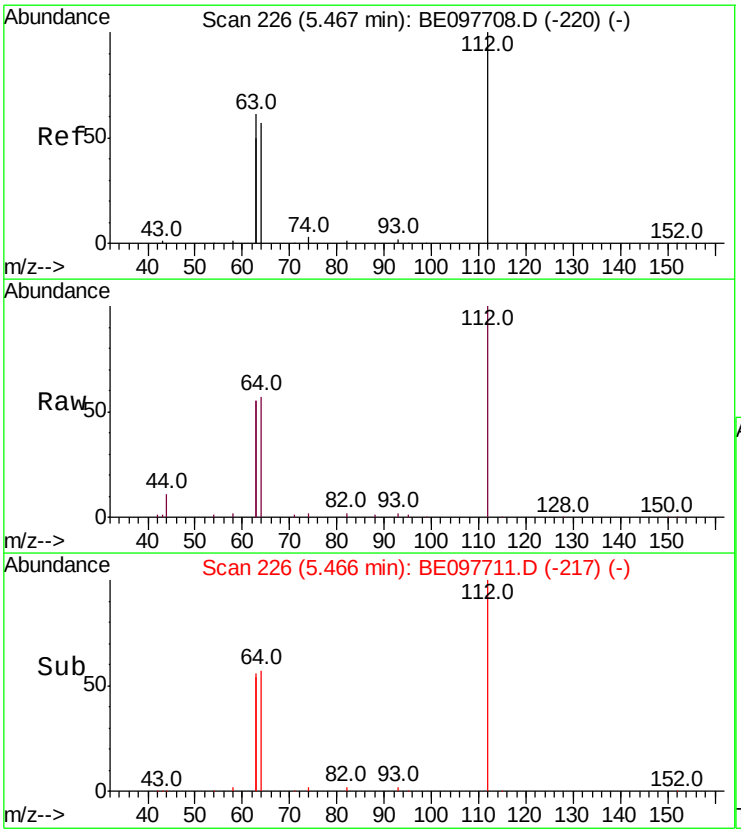
#3
n-Nitrosodimethylamine
Concen: 5.018 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 35554

Ion	Ratio	Lower	Upper
42	100		
74	99.1	70.7	106.1
44	8.1	15.0	22.4#

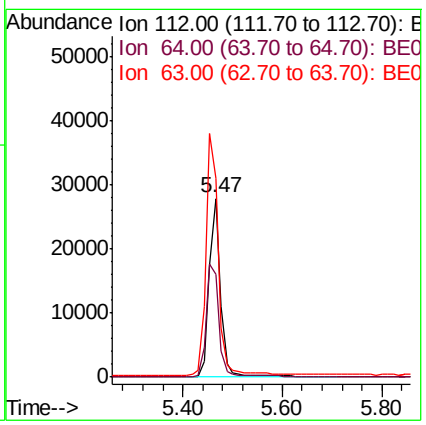


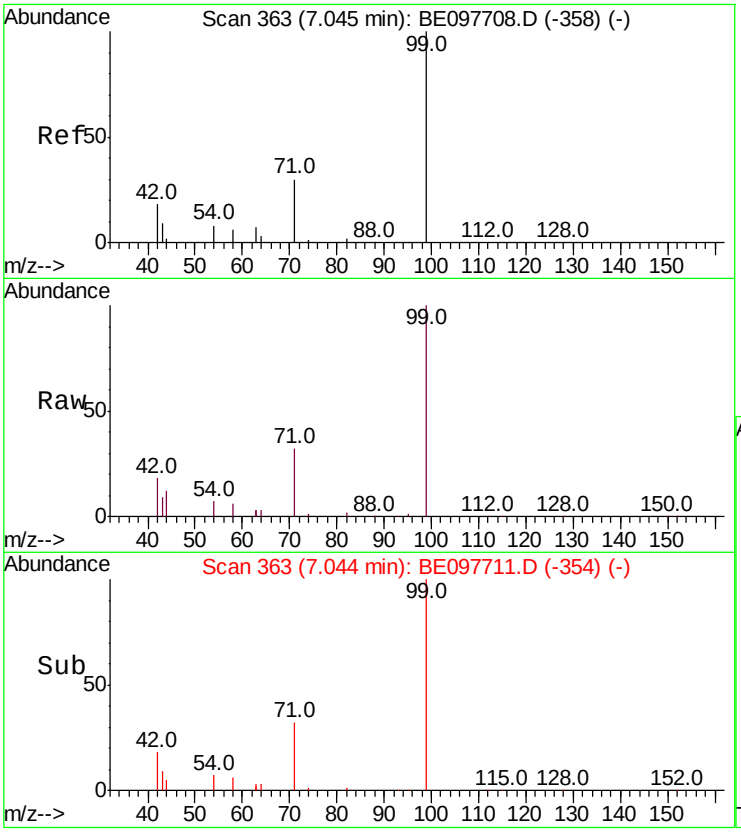


#4
2-Fluorophenol
Concen: 3.148 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:112 Resp: 44008

Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.6	84.8
63	145.6	119.4	179.0



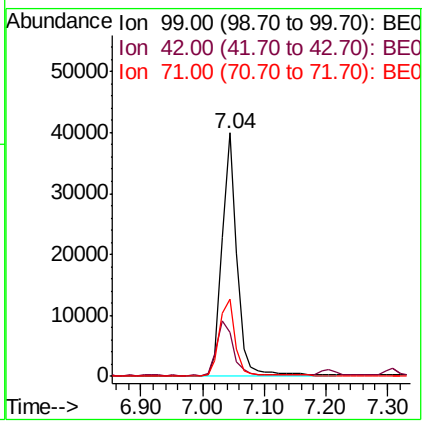


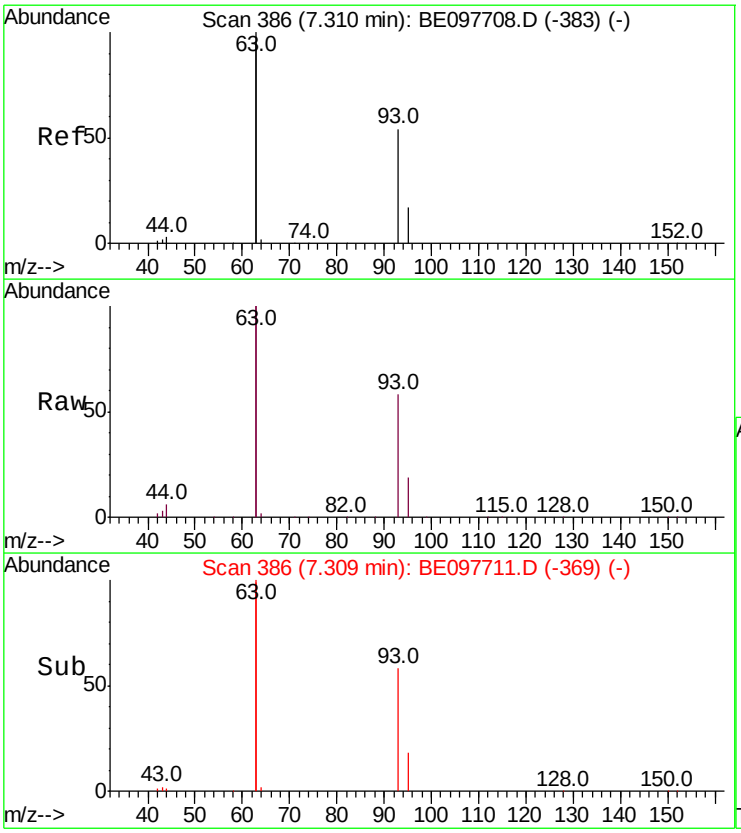
#5
Phenol-d6
Concen: 3.469 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 66858

Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.9	29.9
71	33.8	25.4	38.2

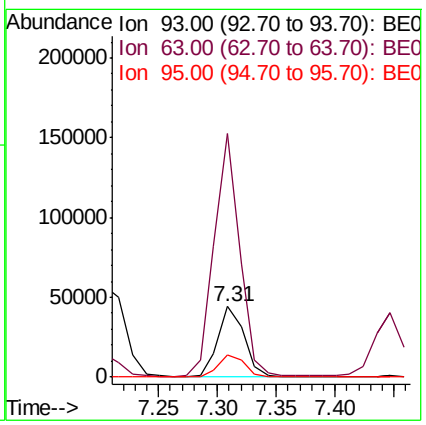


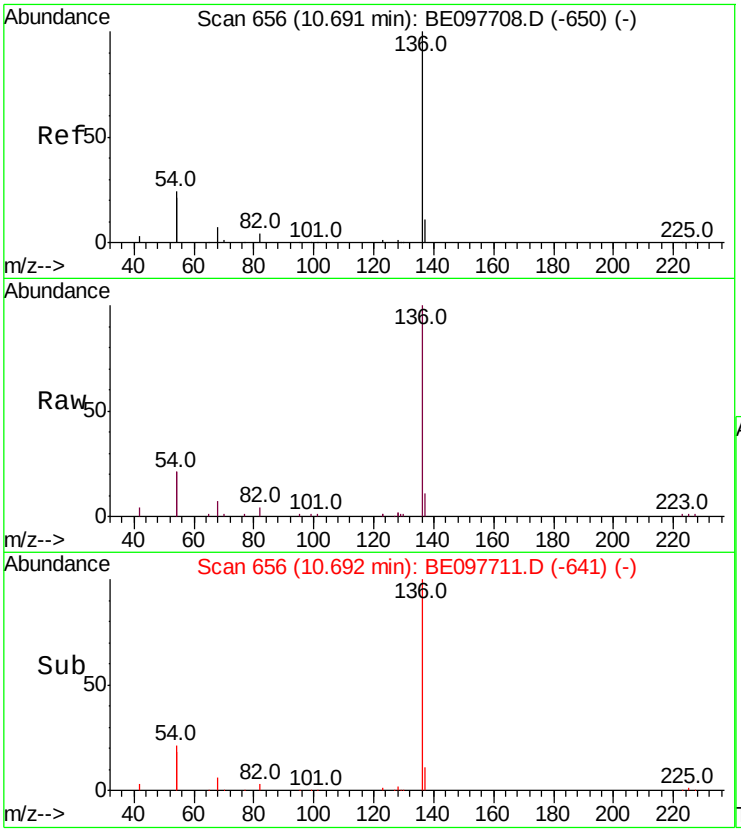


#6
bis(2-Chloroethyl)ether
Concen: 3.591 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion: 93 Resp: 67781

Ion	Ratio	Lower	Upper
93	100		
63	335.4	266.9	400.3
95	32.2	26.2	39.2



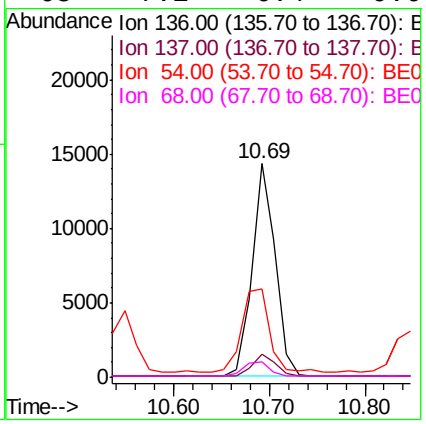


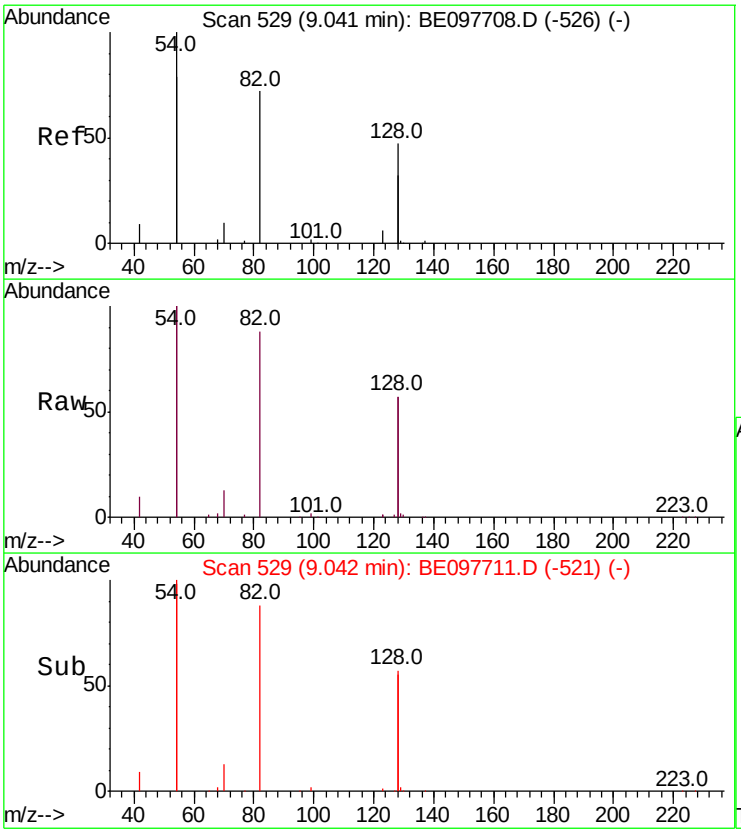
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 24029

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	41.2	37.8	56.6
68	7.1	6.4	9.6

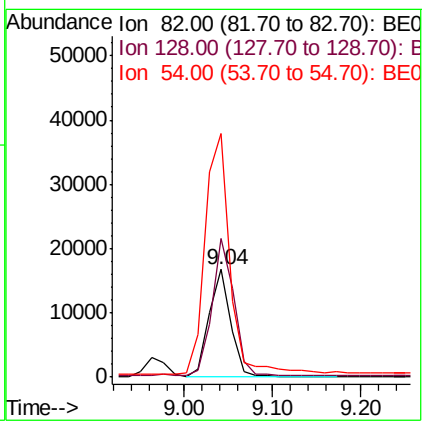


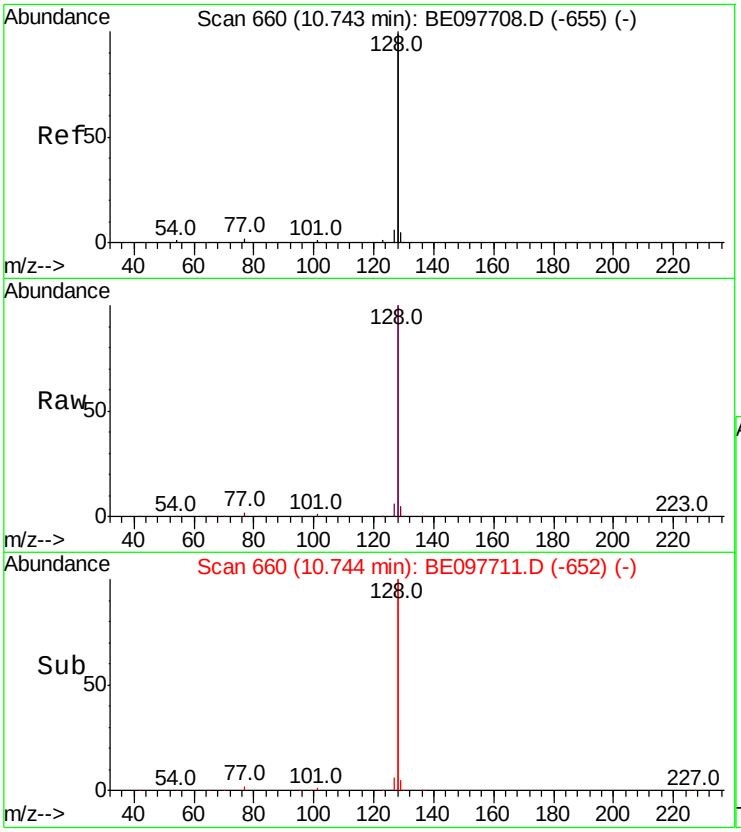


#8
Nitrobenzene-d5
Concen: 1.652 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion: 82 Resp: 28138

Ion	Ratio	Lower	Upper
82	100		
128	128.6	97.0	145.4
54	226.4	206.9	310.3



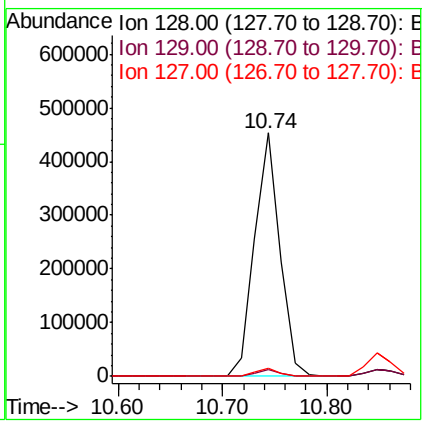


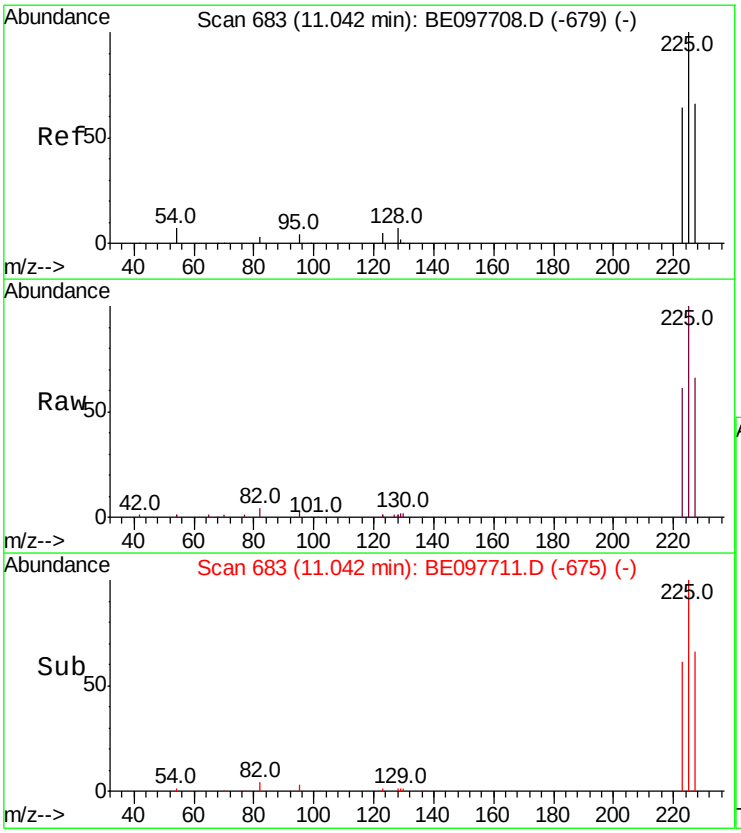
#9
Naphthalene
Concen: 3.234 ng
RT: 10.74 min Scan# 660
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 767616

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

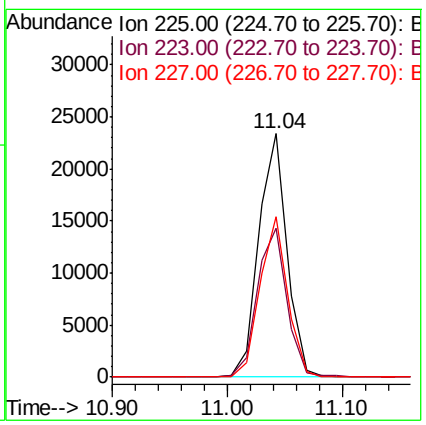


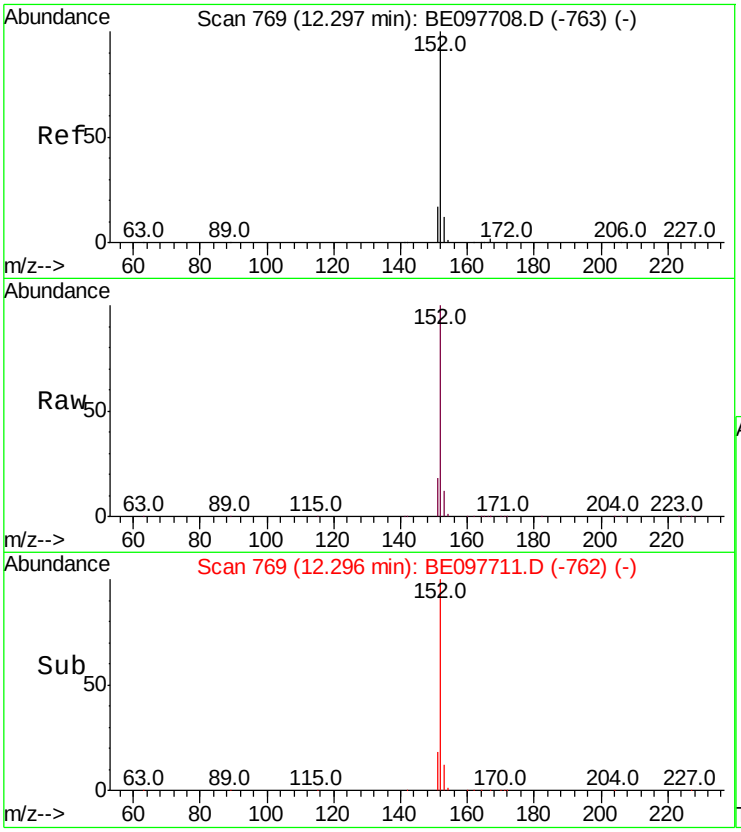


#10
Hexachlorobutadiene
Concen: 3.585 ng
RT: 11.04 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:225 Resp: 39770

Ion	Ratio	Lower	Upper
225	100		
223	63.3	52.2	78.4
227	63.9	51.2	76.8



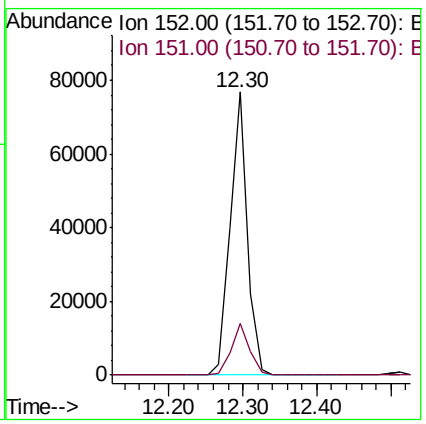


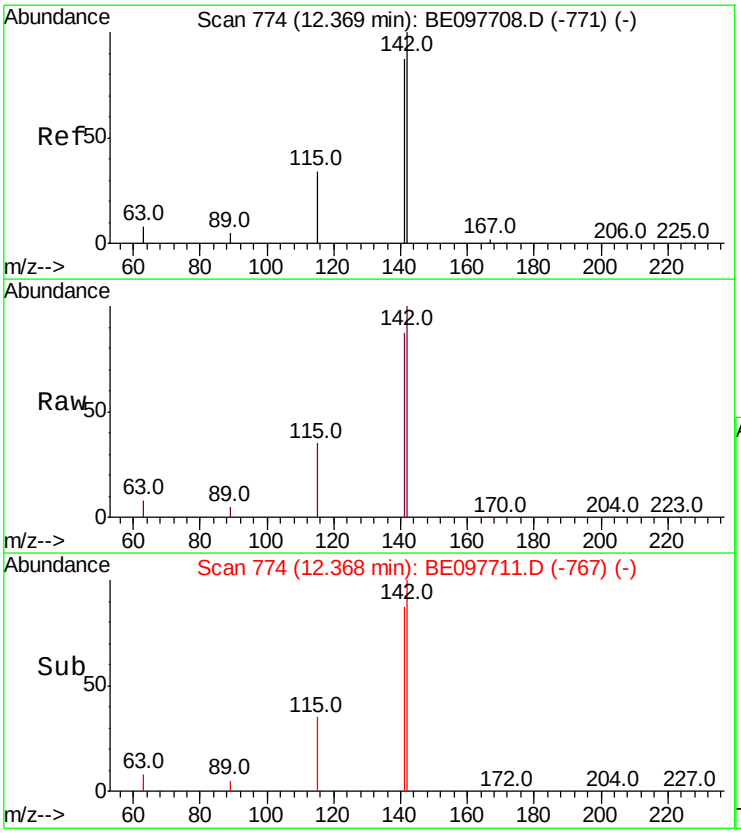
#11
2-Methylnaphthalene-d10
Concen: 3.323 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 124086

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2

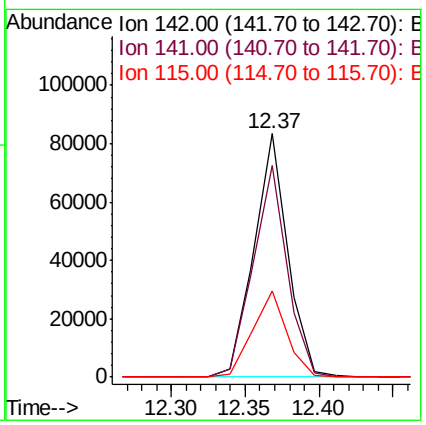


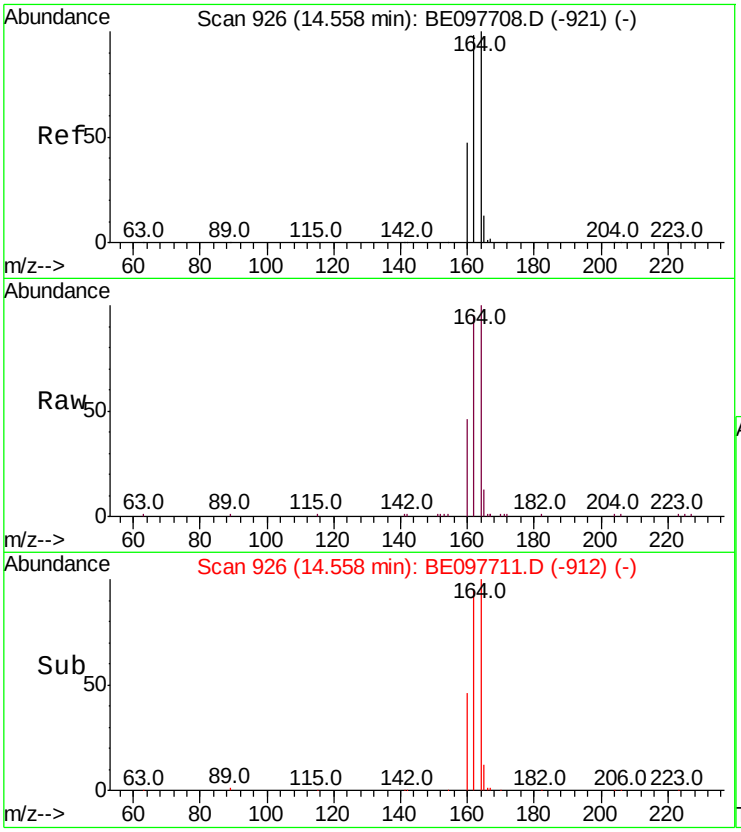


#12
2-Methylnaphthalene
Concen: 3.608 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:142 Resp: 130884

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.4	104.2
115	35.2	28.0	42.0



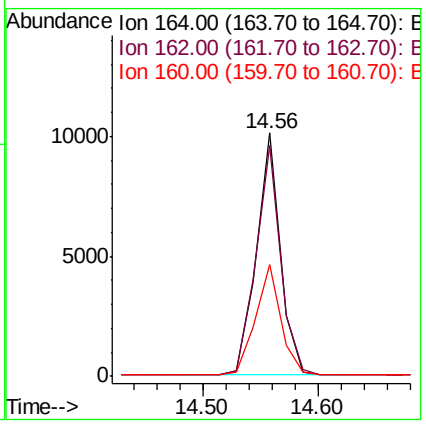


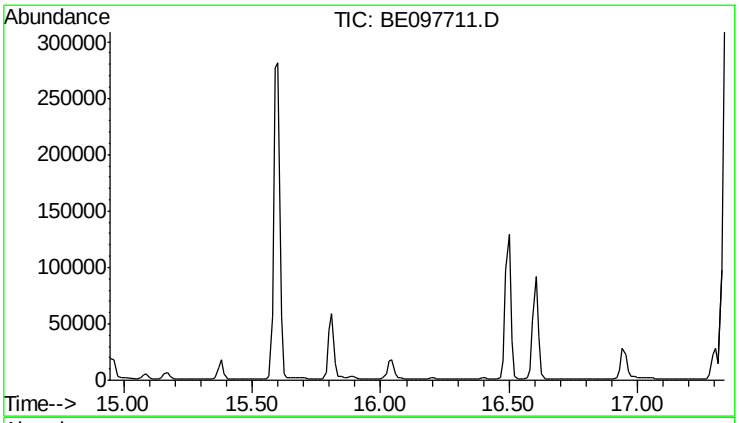
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 14477

Ion	Ratio	Lower	Upper
164	100		
162	94.7	78.6	117.8
160	46.1	37.8	56.6



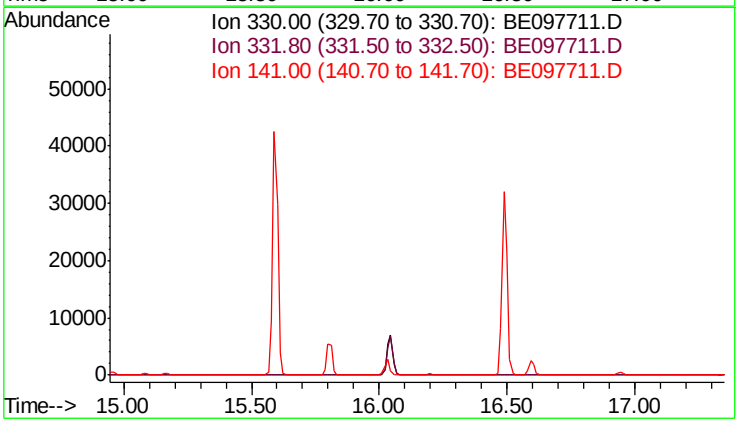


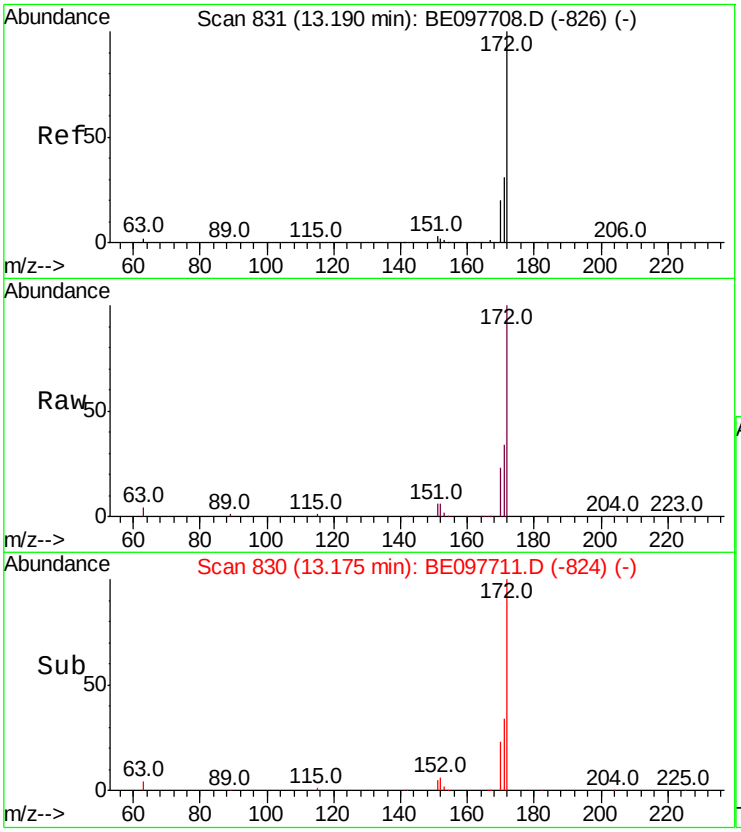
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.04 min

Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	104.4
141	43.6



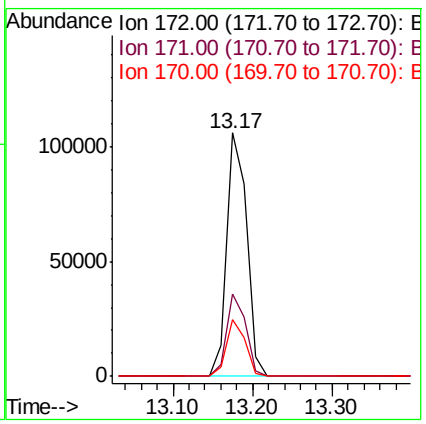


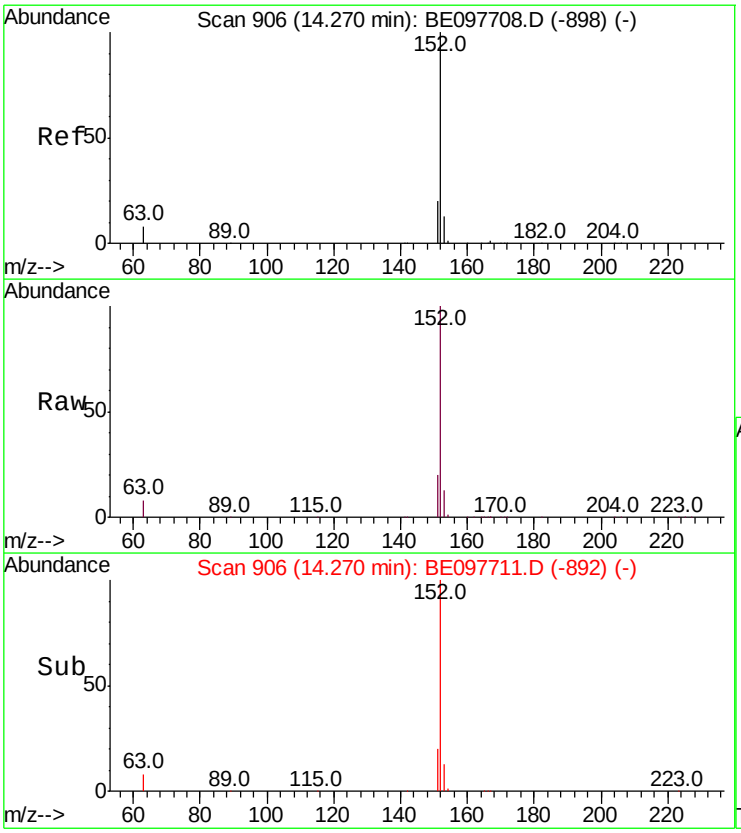
#15
2-Fluorobiphenyl
Concen: 3.025 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 183949

Ion	Ratio	Lower	Upper
172	100		
171	33.7	25.2	37.8
170	23.3	16.2	24.2

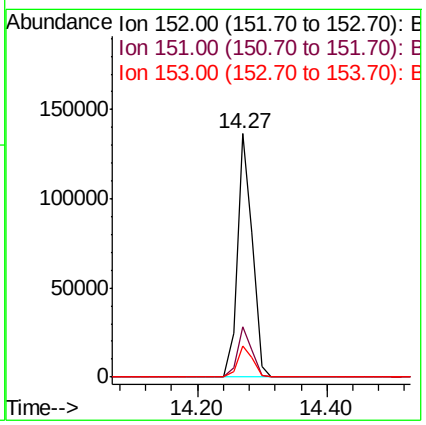


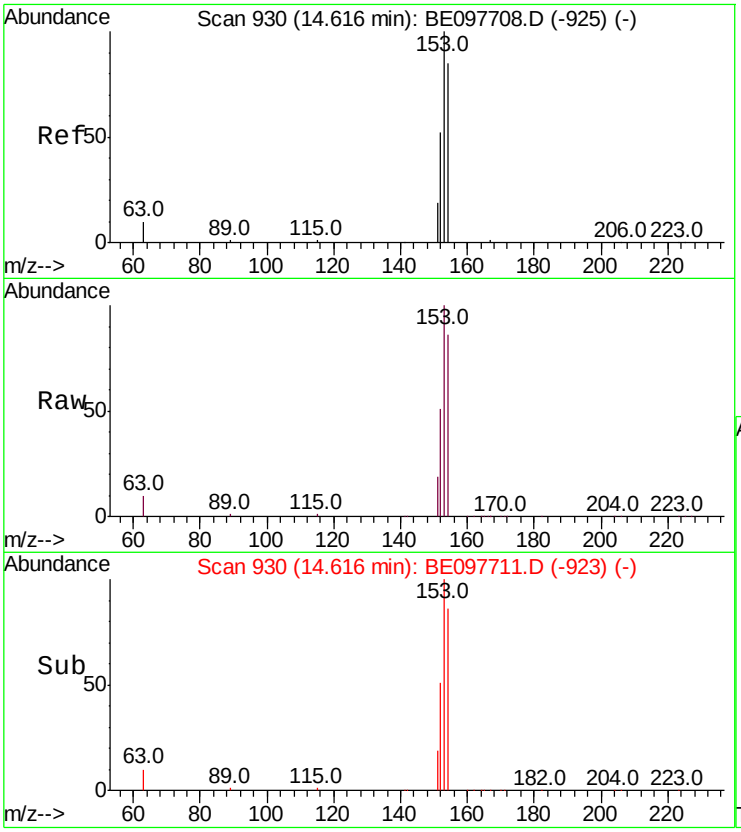


#16
Acenaphthylene
Concen: 3.510 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:152 Resp: 216862

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.3	22.9
153	13.0	10.8	16.2



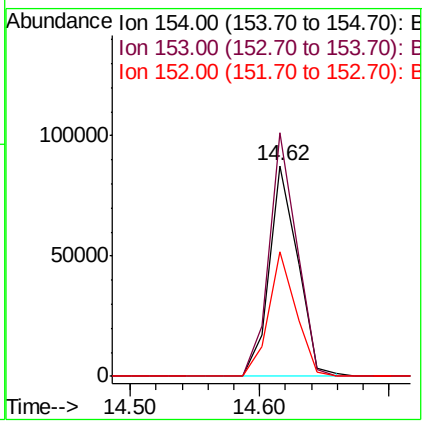


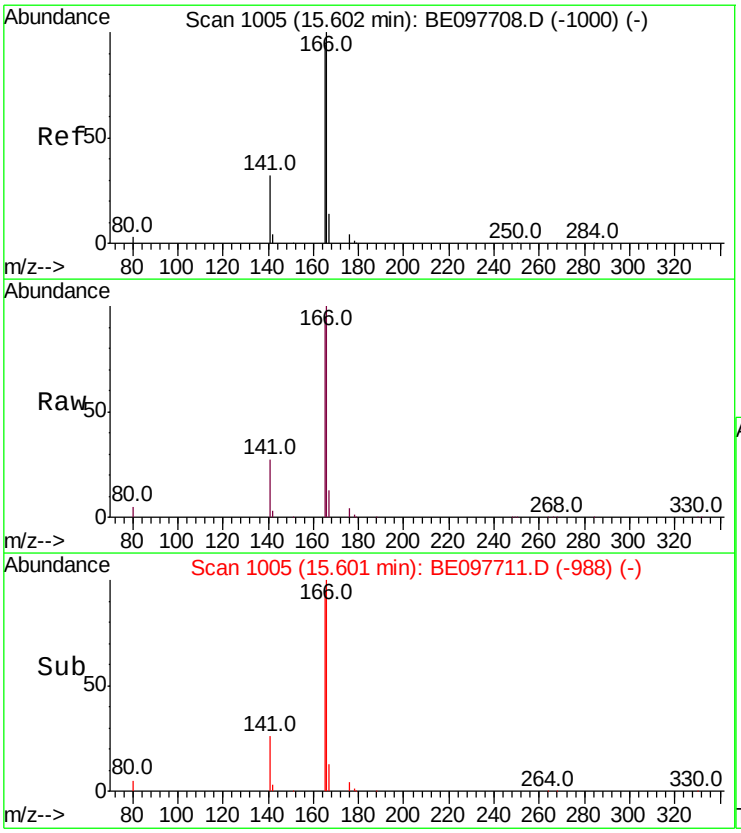
#17
Acenaphthene
Concen: 3.226 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 134132

Ion	Ratio	Lower	Upper
154	100		
153	112.2	93.3	139.9
152	57.0	48.9	73.3

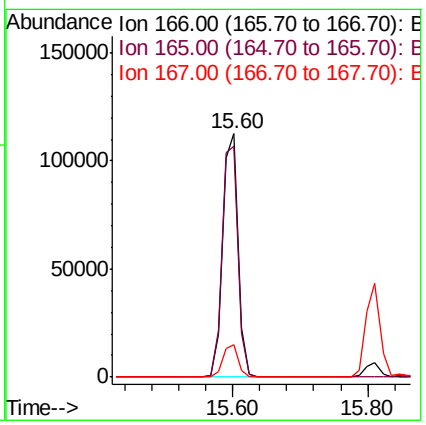


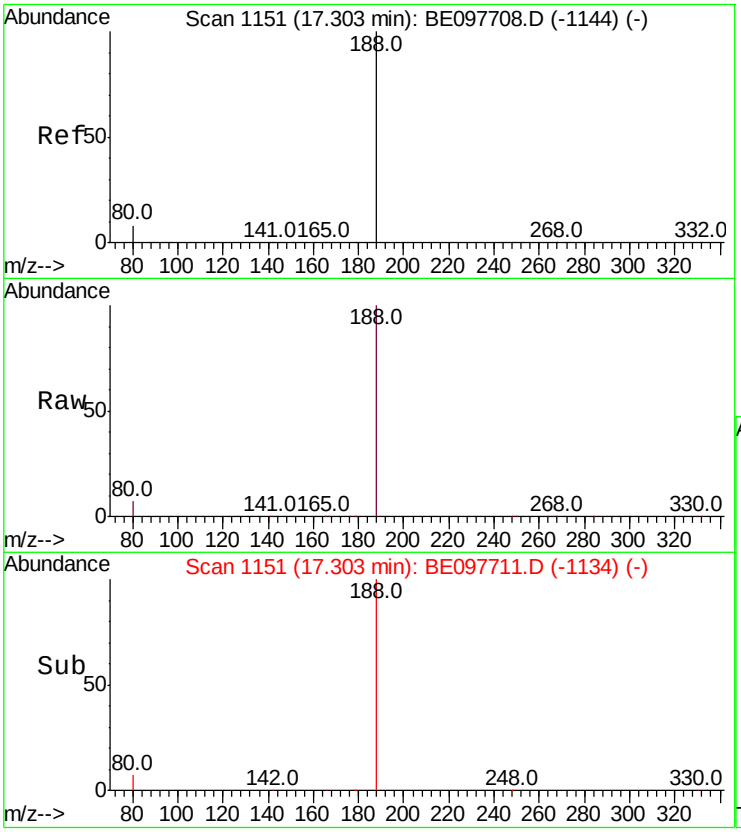


#18
Fluorene
Concen: 3.420 ng
RT: 15.60 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:166 Resp: 181746

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.4
167	13.3	11.1	16.7



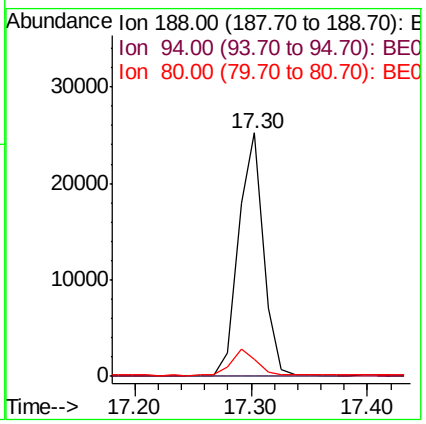


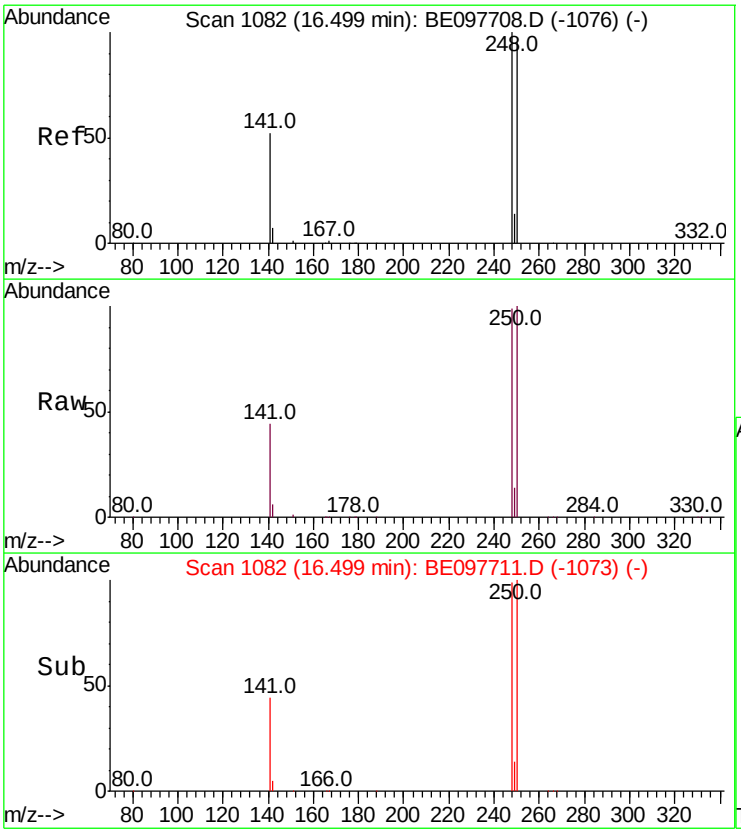
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 37300

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	6.6	9.8

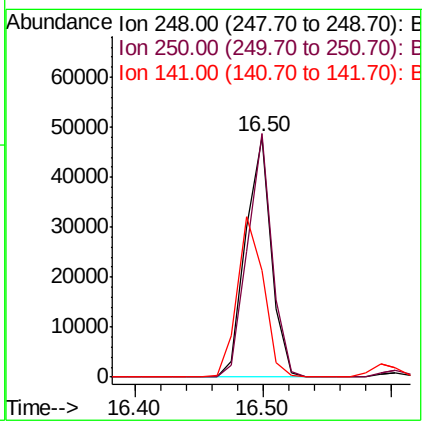


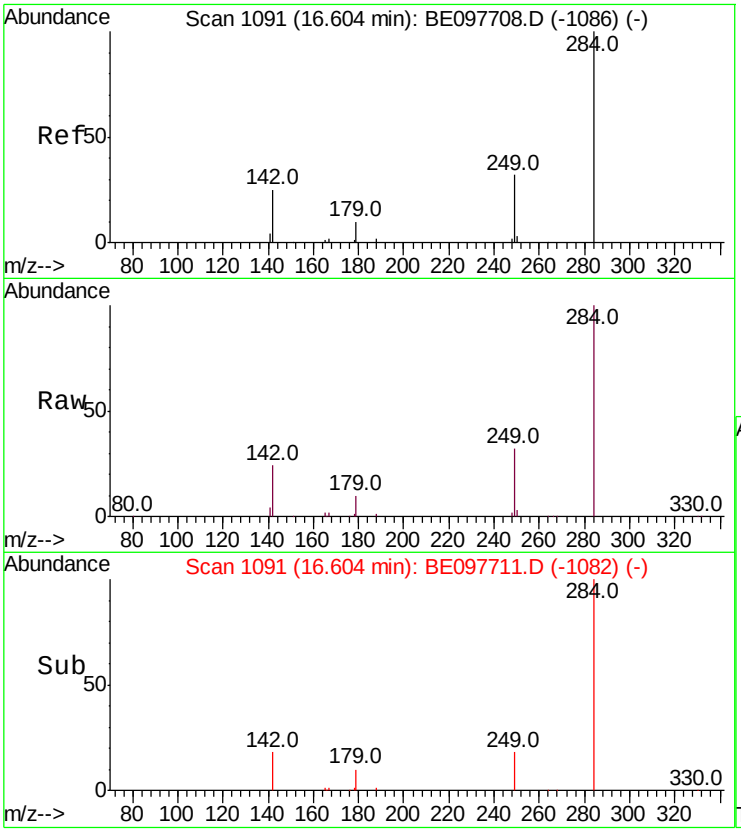


#20
4-Bromophenyl-phenylether
Concen: 3.522 ng
RT: 16.50 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:248 Resp: 66964

Ion	Ratio	Lower	Upper
248	100		
250	101.5	76.1	114.1
141	44.4	42.2	63.4



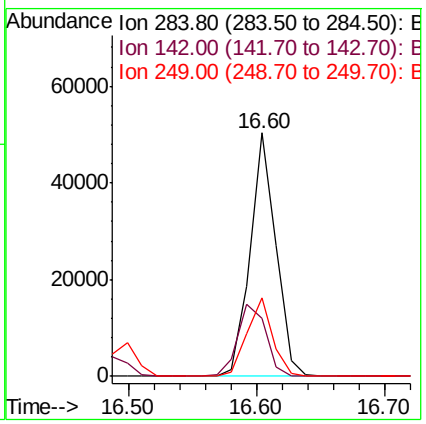


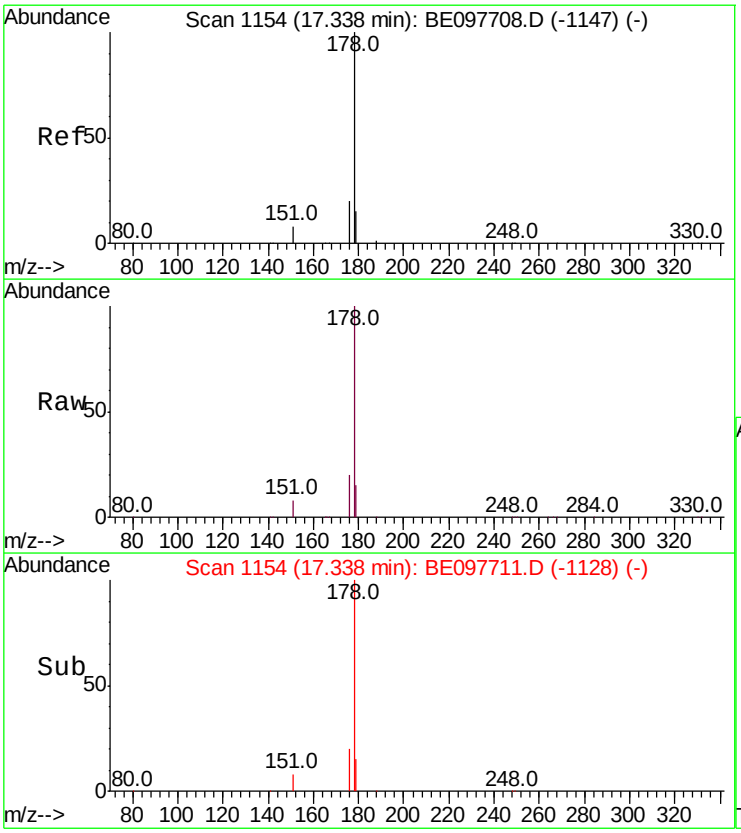
#21
Hexachlorobenzene
Concen: 3.296 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 70487

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.9	37.3
249	31.7	25.8	38.8

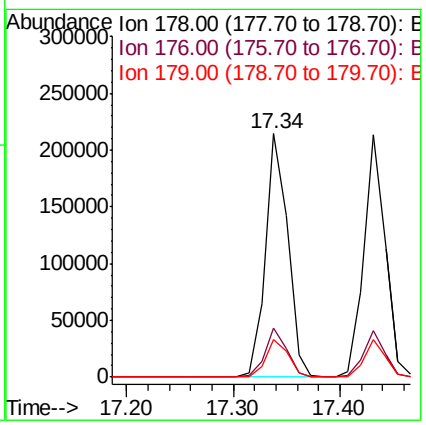


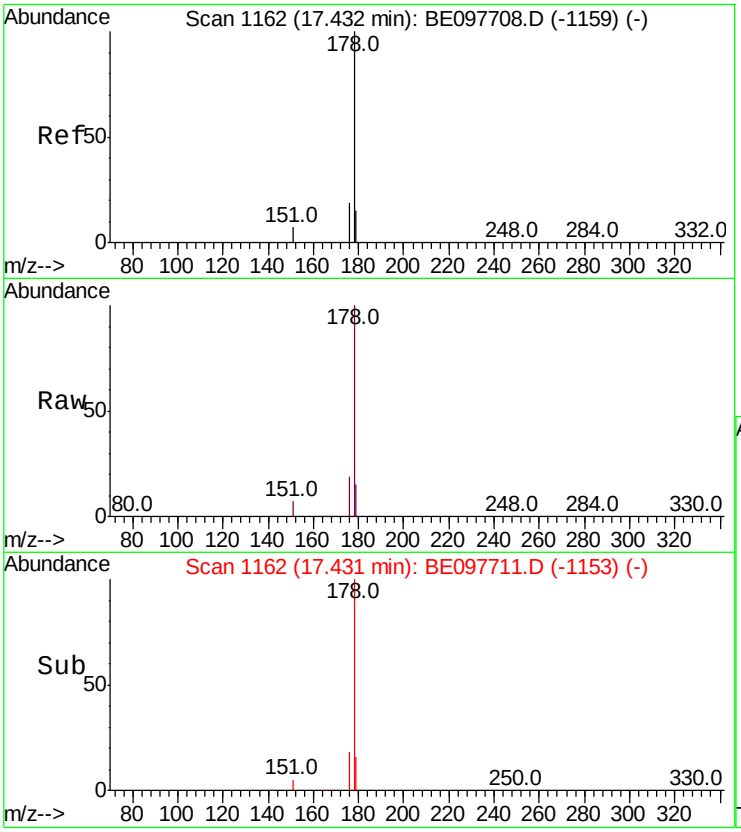


#23
Phenanthrene
Concen: 3.247 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:178 Resp: 313217

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



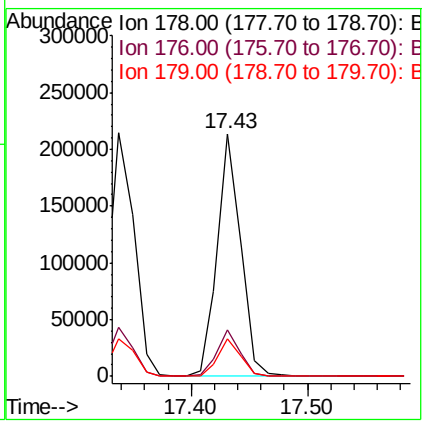


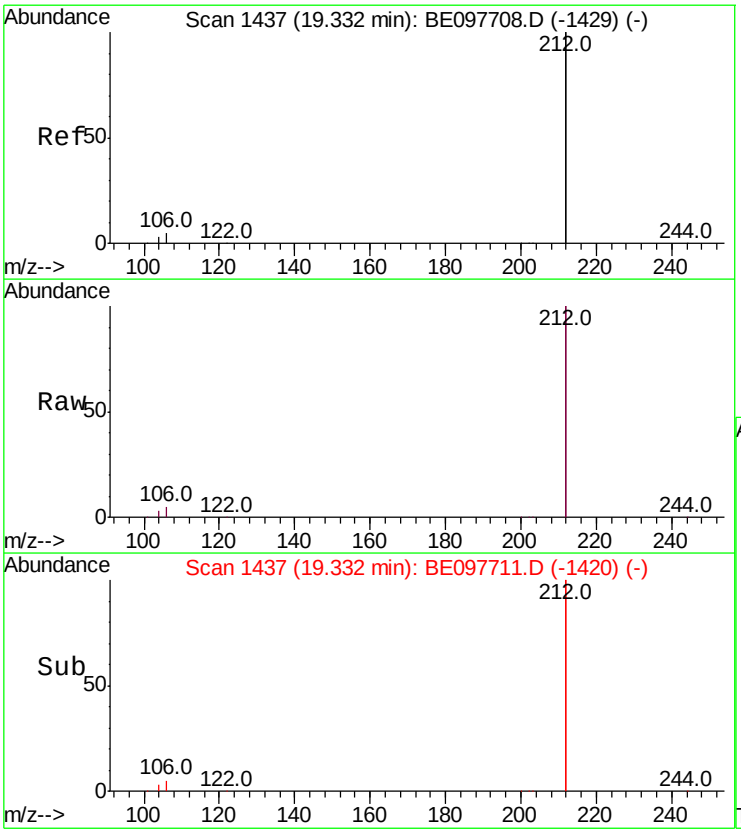
#24
Anthracene
Concen: 3.728 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 295734

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.3	12.2	18.2

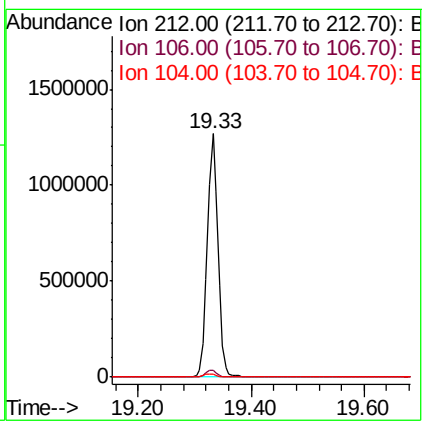


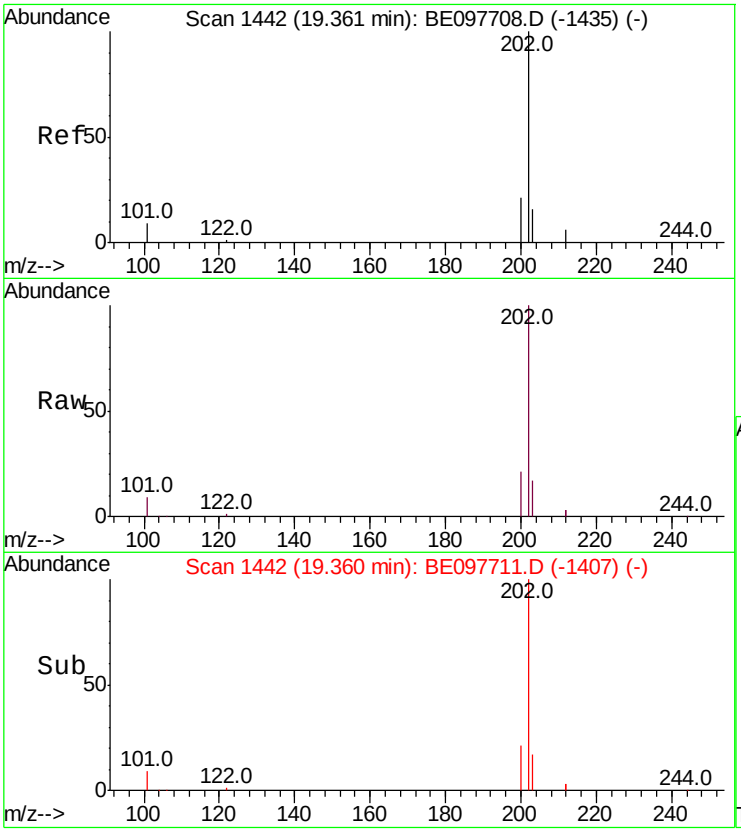


#25
Fluoranthene-d10
Concen: 3.611 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:212 Resp: 1632939

Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.2	3.2
104	1.5	1.2	1.8



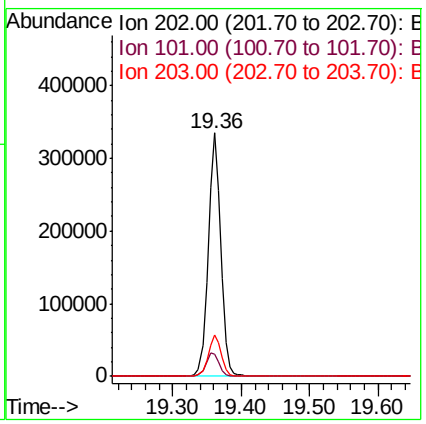


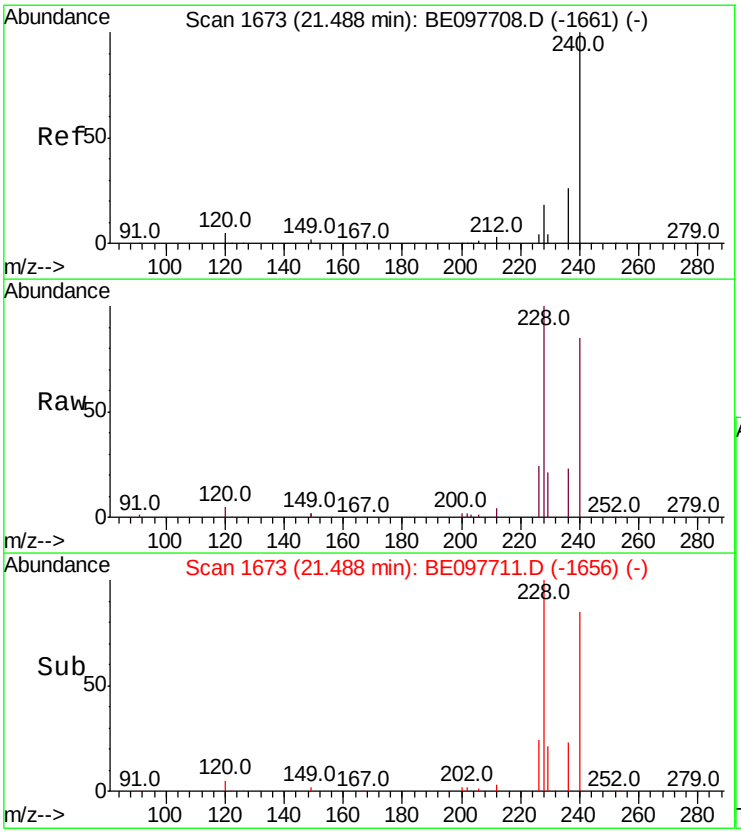
#26
Fluoranthene
Concen: 3.573 ng
RT: 19.36 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 427749

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.8	11.8
203	17.3	13.8	20.6

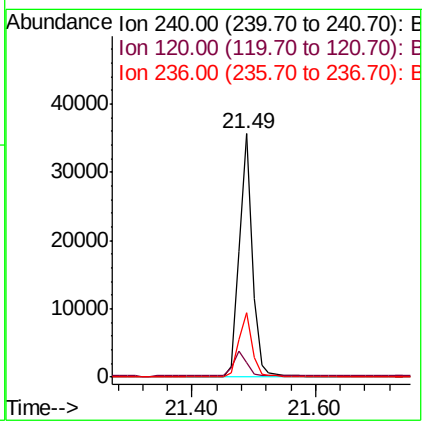


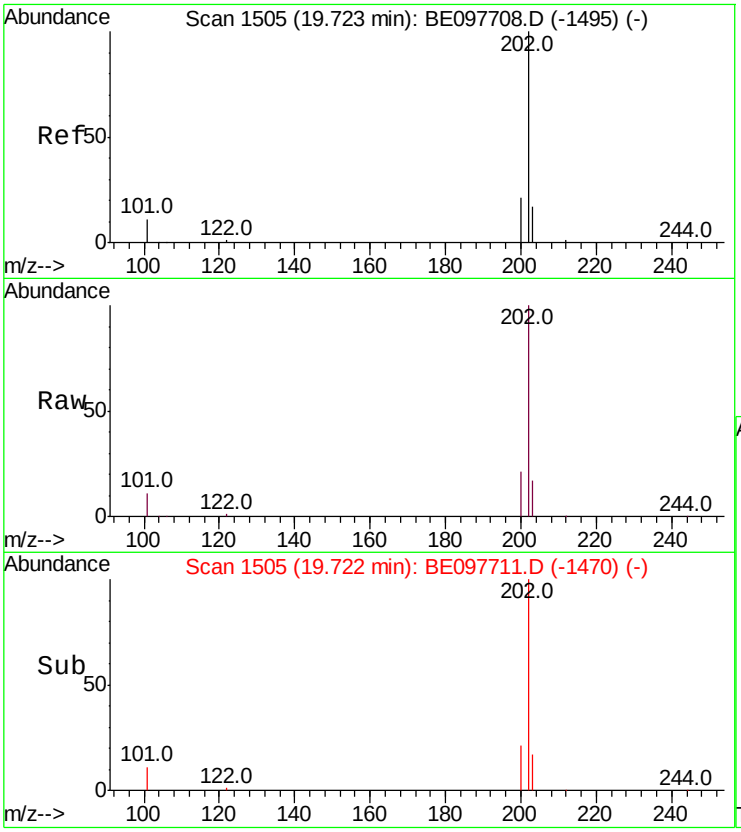


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:240 Resp: 51035

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.7	7.1
236	26.7	20.8	31.2



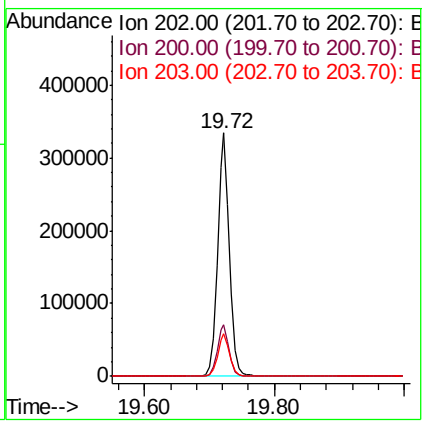


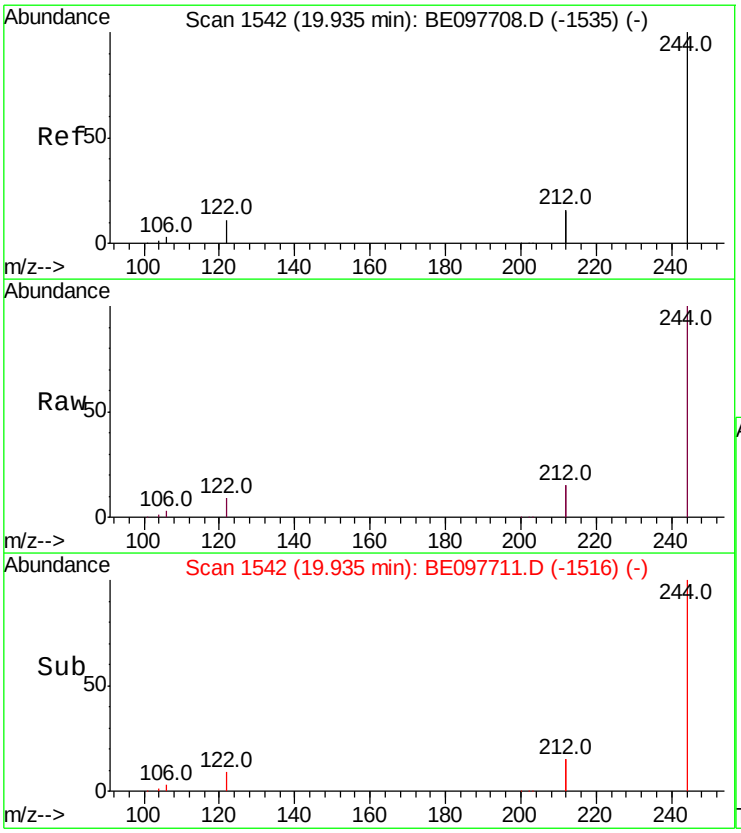
#28
Pyrene
Concen: 3.247 ng
RT: 19.72 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 431273

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.5	13.9	20.9

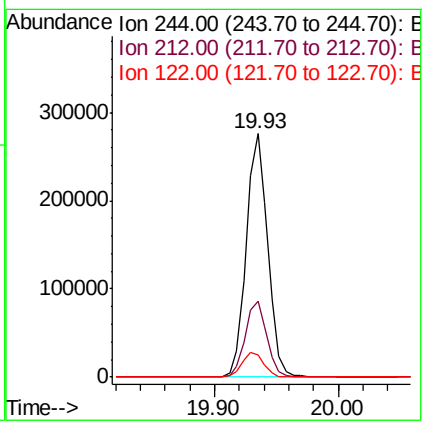


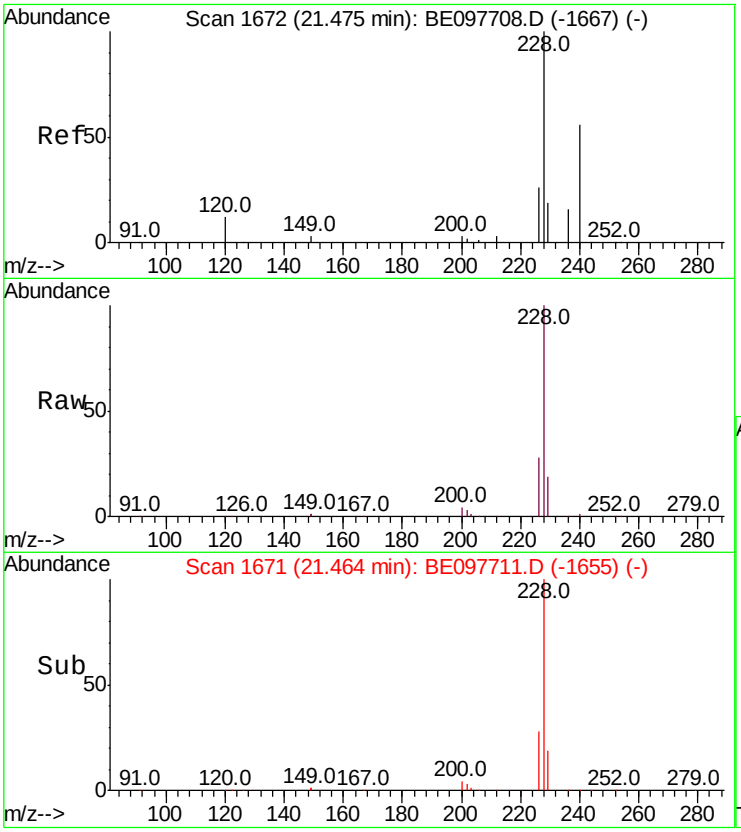


#29
Terphenyl-d14
Concen: 3.036 ng
RT: 19.93 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:244 Resp: 334640

Ion	Ratio	Lower	Upper
244	100		
212	30.9	25.8	38.8
122	9.2	8.7	13.1



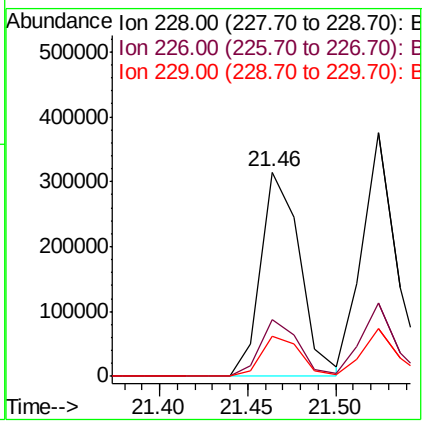


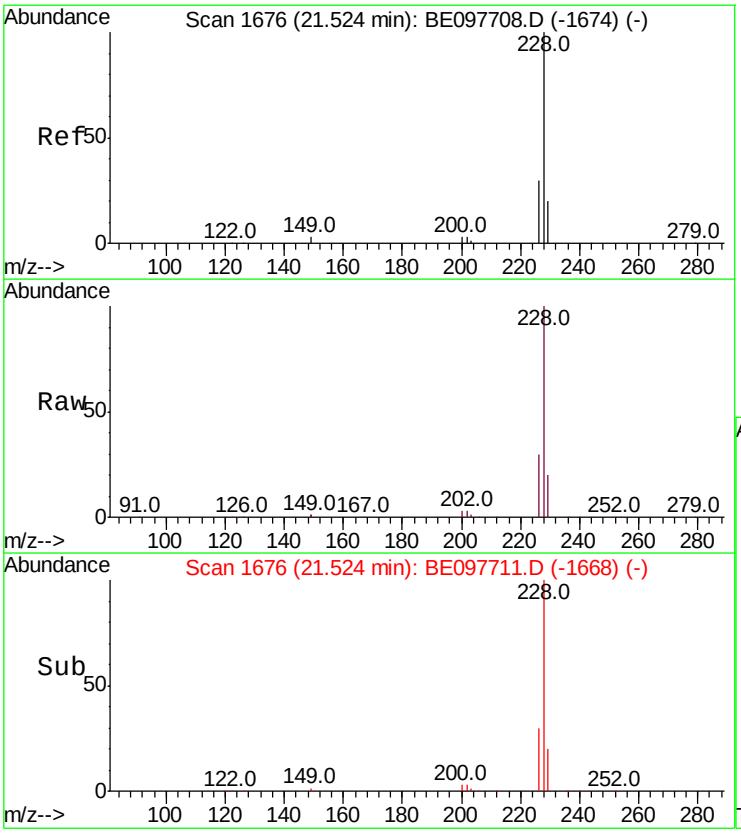
#30
Benzo(a)anthracene
Concen: 3.843 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 485135

Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.7	31.1
229	19.3	15.7	23.5

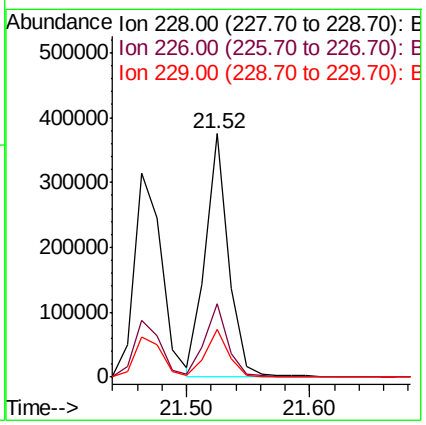


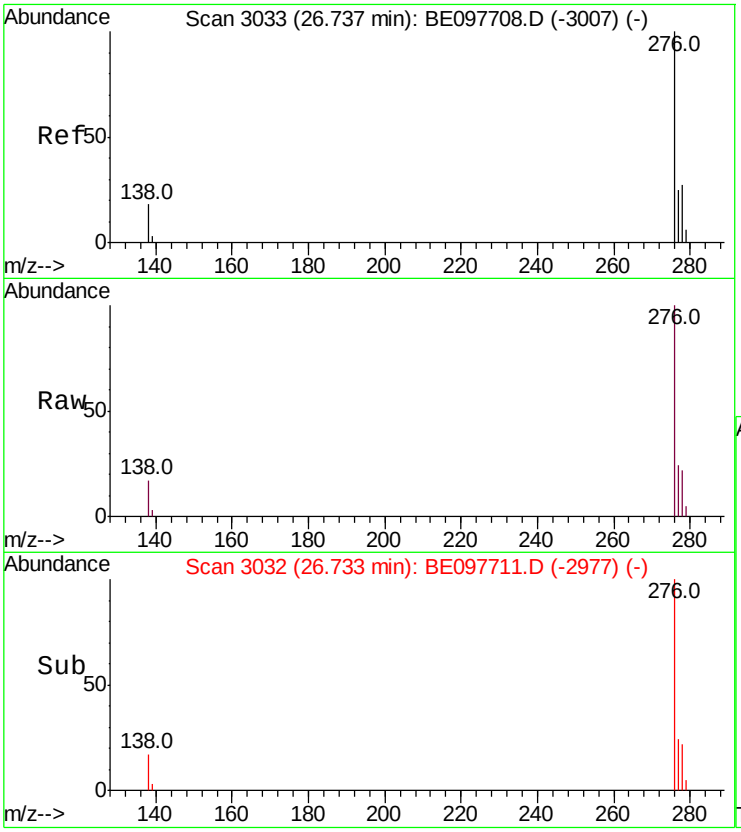


#31
Chrysene
Concen: 3.106 ng
RT: 21.52 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:228 Resp: 490480

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.8	16.0	24.0



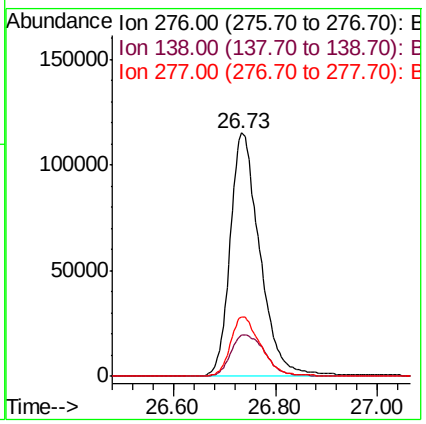


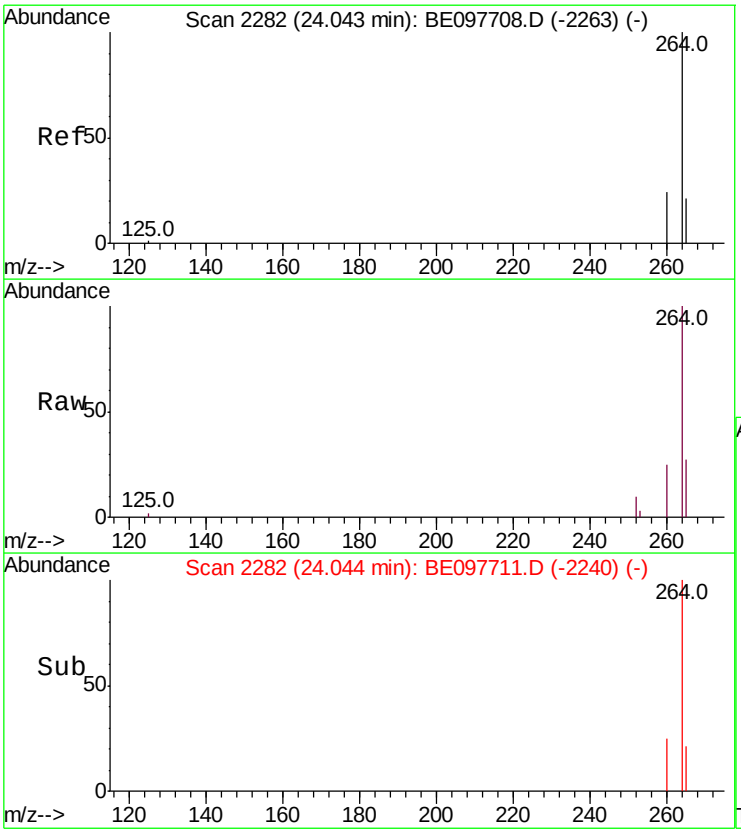
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.786 ng
RT: 26.73 min Scan# 3032
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 464453

Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.0	22.6
277	25.0	19.2	28.8

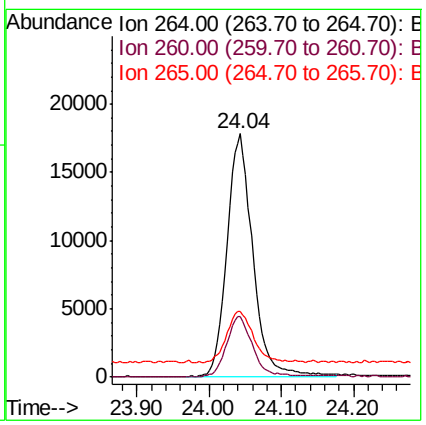


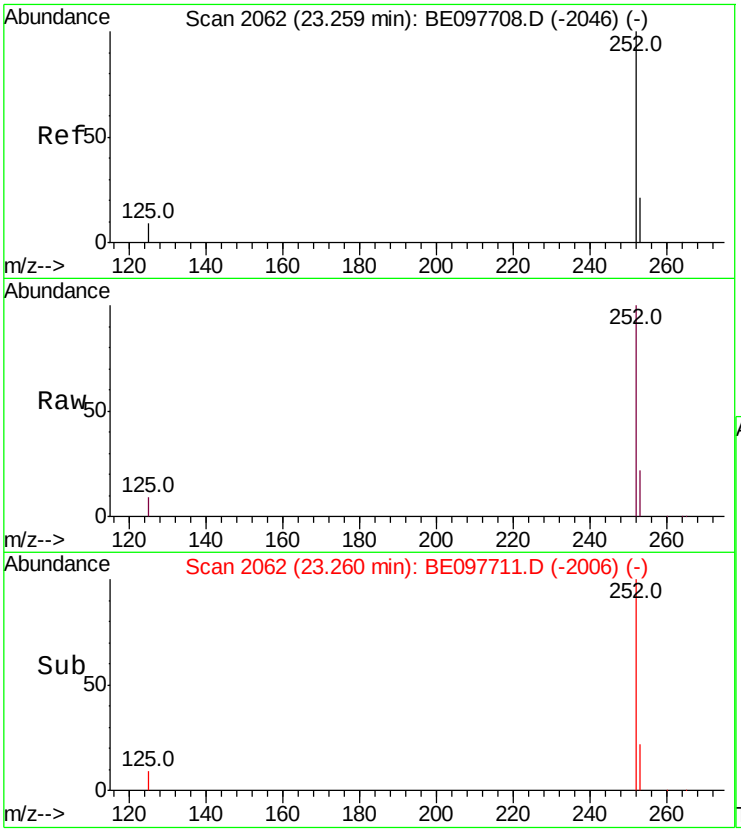


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.04 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:264 Resp: 43064

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.1	28.7
265	26.8	21.9	32.9



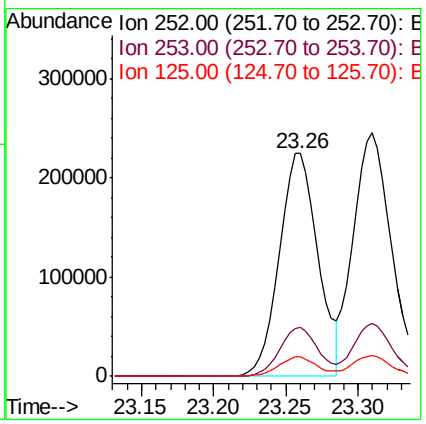


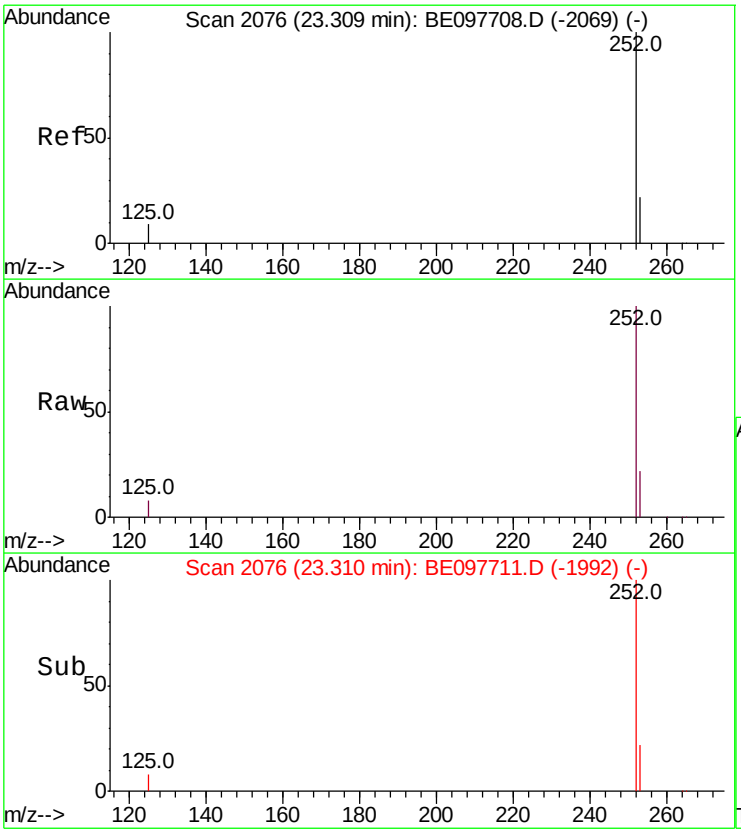
#35
Benzo(b)fluoranthene
Concen: 3.377 ng
RT: 23.26 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 420270

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.8	11.8

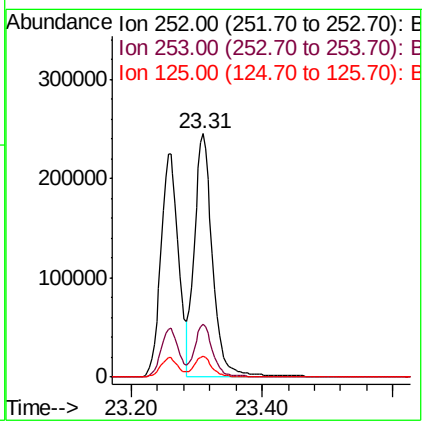


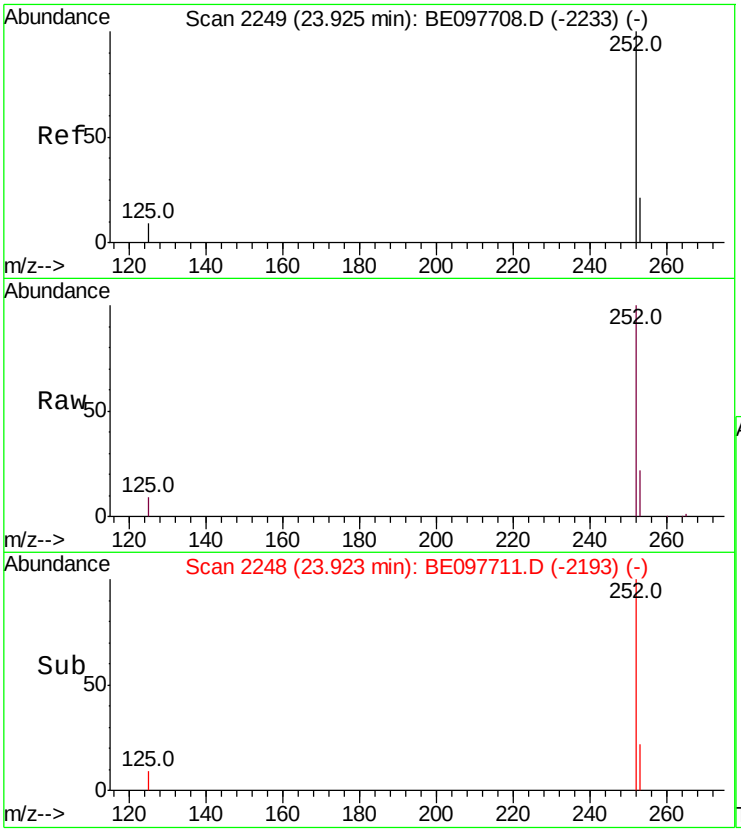


#36
Benzo(k)fluoranthene
Concen: 3.272 ng
RT: 23.31 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:252 Resp: 469799

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.4	7.5	11.3



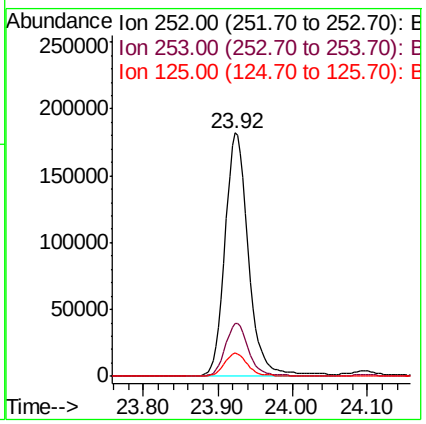


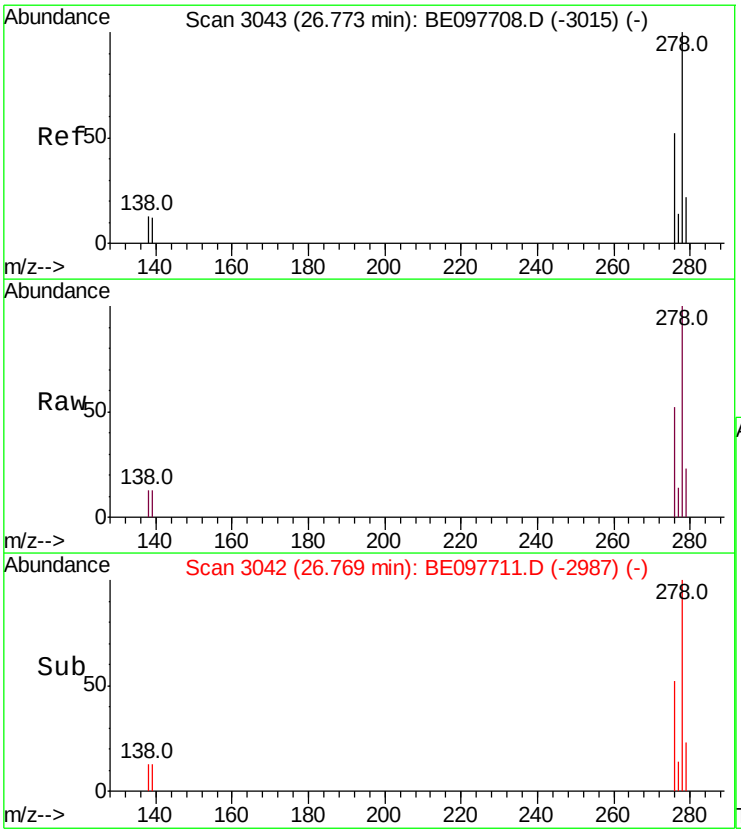
#37
Benzo(a)pyrene
Concen: 3.311 ng
RT: 23.92 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 395181

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.4	8.3	12.5

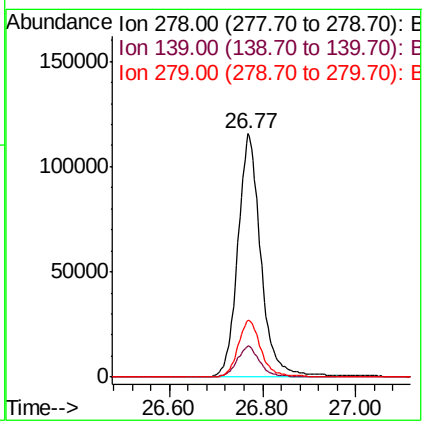


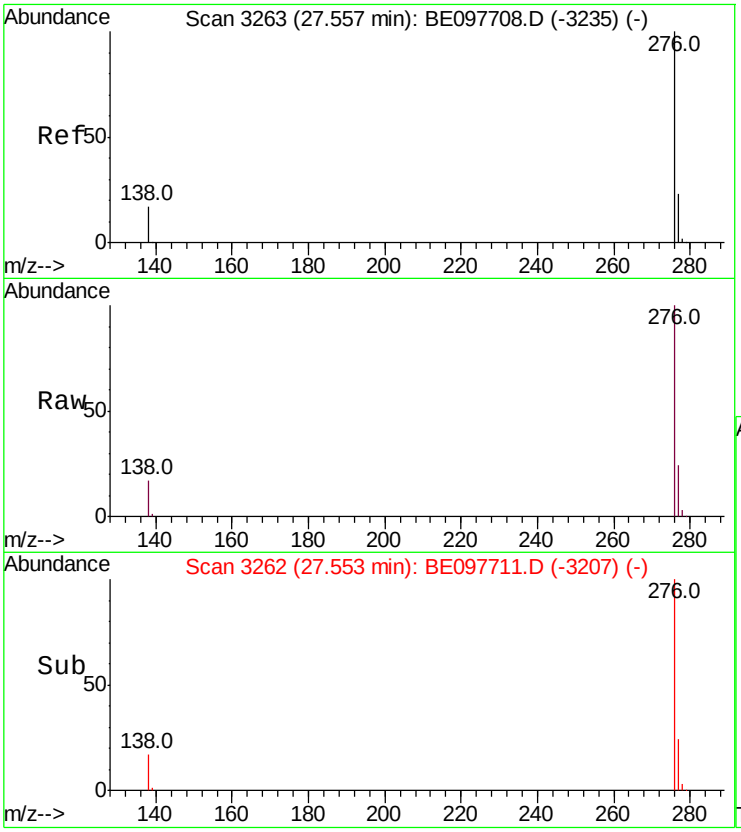


#38
Dibenzo(a,h)anthracene
Concen: 3.062 ng
RT: 26.77 min Scan# 3042
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Tgt Ion:278 Resp: 396606

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.3	15.5
279	23.4	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 2.989 ng
RT: 27.55 min Scan# 3262
Delta R.T. -0.00 min
Lab File: BE097711.D
Acq: 3 Oct 2018 11:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 392634

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	17.0	14.2	21.2