Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
Data File : BE097906.D
Acq On : 16 Oct 2018 12:01
Operator : SJ/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.1

Quant Time: Oct 16 13:51:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 13:45:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1674	0.40	ng		0.00
7) Naphthalene-d8	10.71	136	7206	0.40	ng		0.01
13) Acenaphthene-d10	14.56	164	4629	0.40	ng		0.00
19) Phenanthrene-d10	17.30	188	12118	0.40	ng		0.00
27) Chrysene-d12	21.49	240	15964	0.40	ng		0.00
34) Perylene-d12	24.05	264	16477	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.48	112	571	0.14	ng		0.00
5) Phenol-d6	7.07	99	844	0.14	ng		0.00
8) Nitrobenzene-d5	9.06	82	735	0.31	ng		0.01
11) 2-Methylnaphthalene-d10	12.30	152	1246	0.11	ng		0.00
14) 2,4,6-Tribromophenol	16.06	330	252	0.30	ng		0.01
15) 2-Fluorobiphenyl	13.19	172	2159	0.11	ng		0.01
25) Fluoranthene-d10	19.34	212	17259	0.11	ng		0.00
29) Terphenyl-d14	19.93	244	3980	0.12	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	288	0.086	ng	#	80
3) n-Nitrosodimethylamine	3.70	42	373	0.123	ng	#	92
6) bis(2-Chloroethyl)ether	7.32	93	732	0.117	ng		88
9) Naphthalene	10.74	128	7481	0.103	ng	#	97
10) Hexachlorobutadiene	11.03	225	436	0.113	ng		98
12) 2-Methylnaphthalene	12.37	142	1242	0.107	ng	#	89
16) Acenaphthylene	14.28	152	2158	0.105	ng		97
17) Acenaphthene	14.63	154	1341	0.102	ng		98
18) Fluorene	15.60	166	1835	0.105	ng		95
20) 4-Bromophenyl-phenylether	16.50	248	690	0.109	ng		87
21) Hexachlorobenzene	16.62	284	673	0.094	ng		96
22) Pentachlorophenol	16.98	266	154	0.137	ng	#	77
23) Phenanthrene	17.35	178	3245	0.104	ng		96
24) Anthracene	17.43	178	2913	0.108	ng		97
26) Fluoranthene	19.37	202	4258	0.107	ng		99
28) Pyrene	19.73	202	4758	0.117	ng		99
30) Benzo(a)anthracene	21.48	228	5240	0.122	ng	#	89
31) Chrysene	21.52	228	4972	0.104	ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.39	149	15054	0.480	ng	#	96
33) Indeno(1,2,3-cd)pyrene	26.75	276	6369	0.153	ng	#	86
35) Benzo(b)fluoranthene	23.26	252	5109	0.113	ng	#	57
36) Benzo(k)fluoranthene	23.31	252	5216	0.104	ng	#	57
37) Benzo(a)pyrene	23.93	252	4853	0.119	ng	#	49
38) Dibenzo(a,h)anthracene	26.78	278	5112	0.127	ng	#	63
39) Benzo(g,h,i)perylene	27.59	276	5671	0.134	ng	#	75

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

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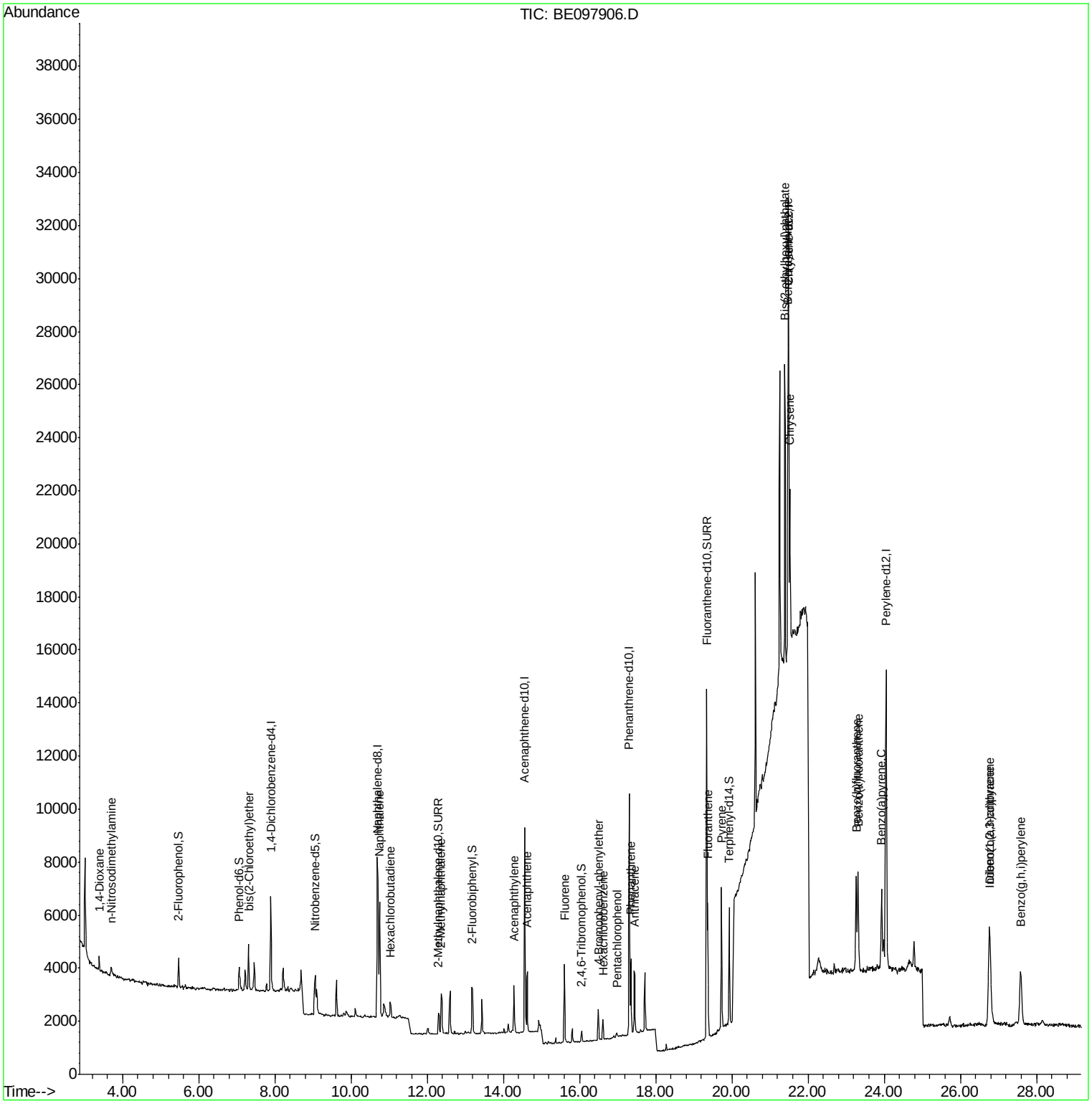
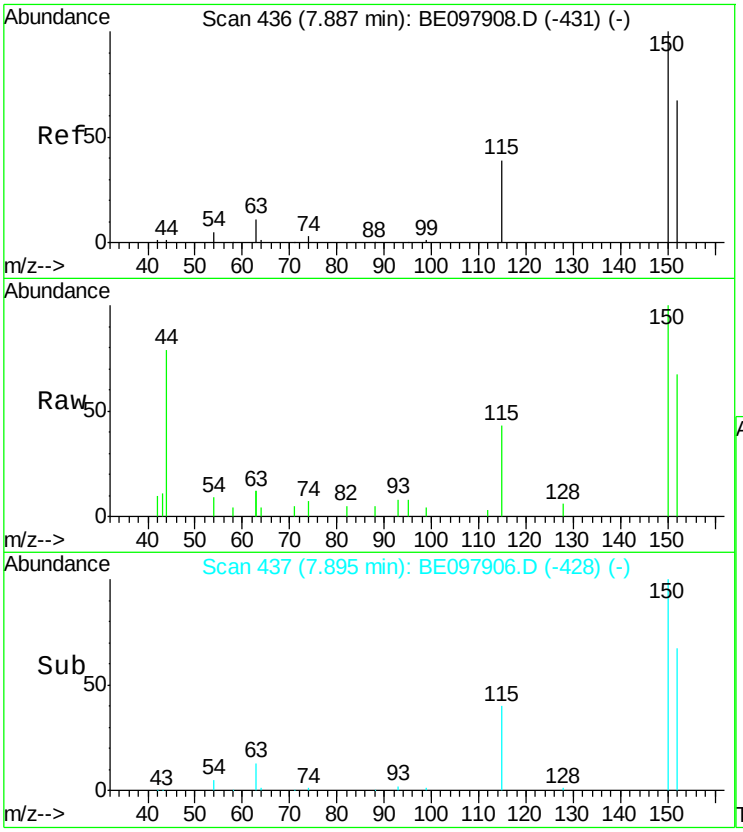
Acq On : 16 Oct 2018 12:01
Operator : SJ/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Quant Time: Oct 16 13:51:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 13:45:48 2018
Response via : Initial Calibration



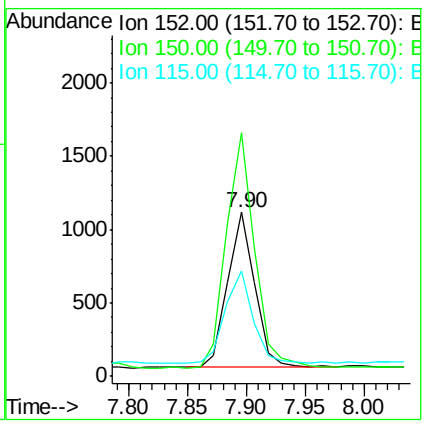


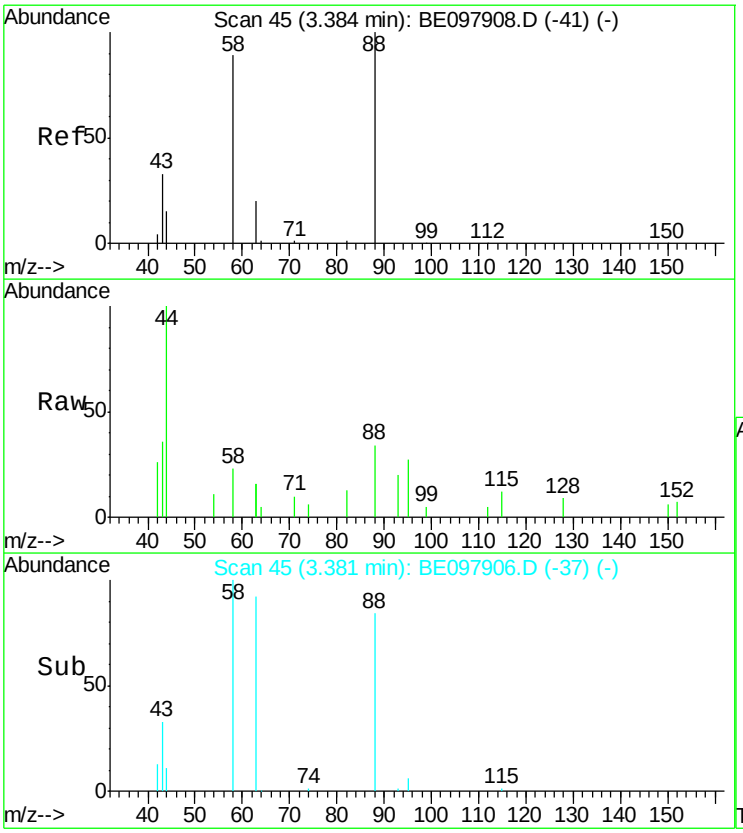
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1674

Ion	Ratio	Lower	Upper
152	100		
150	148.8	118.2	177.4
115	64.6	50.9	76.3

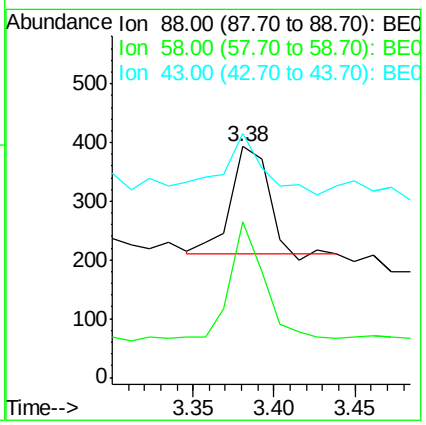


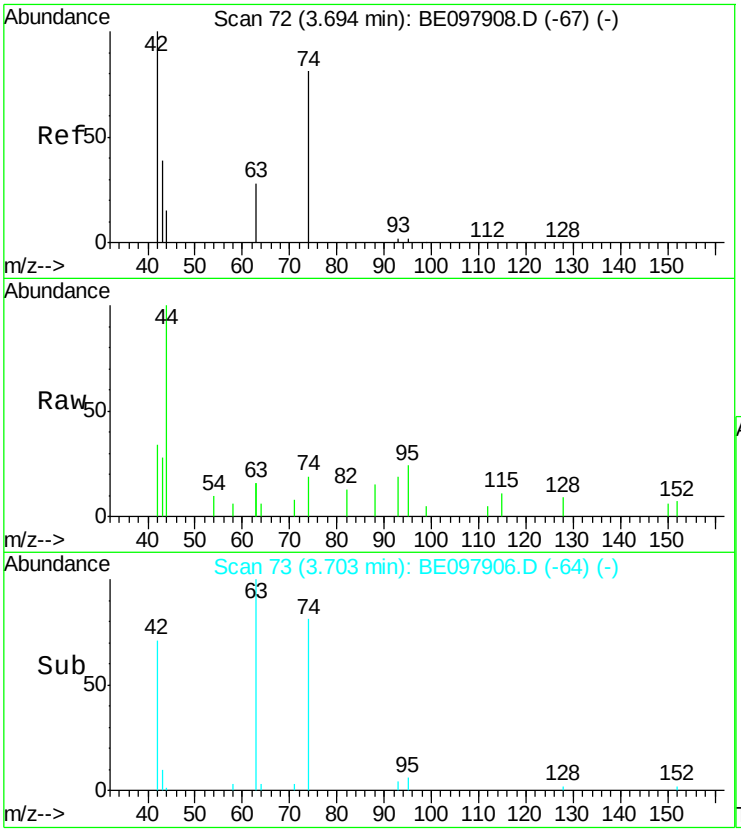


#2
1,4-Dioxane
Concen: 0.086 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion: 88 Resp: 288

Ion	Ratio	Lower	Upper
88	100		
58	105.9	73.2	109.8
43	65.6	36.9	55.3#



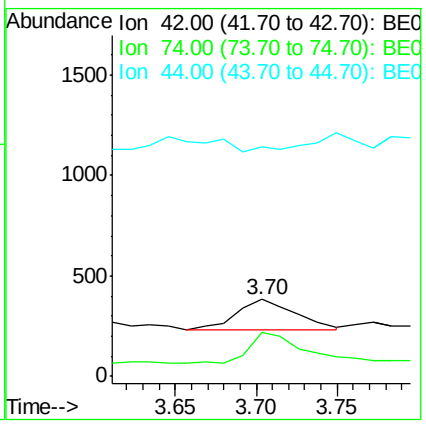


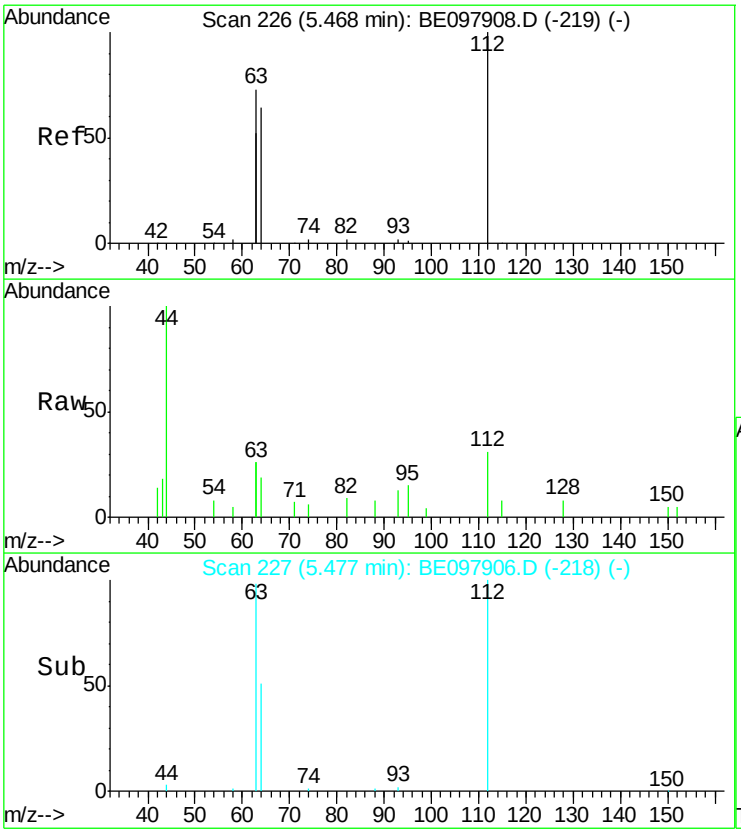
#3
n-Nitrosodimethylamine
Concen: 0.123 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 373

Ion	Ratio	Lower	Upper
42	100		
74	91.2	77.6	116.4
44	0.0	7.6	11.4#

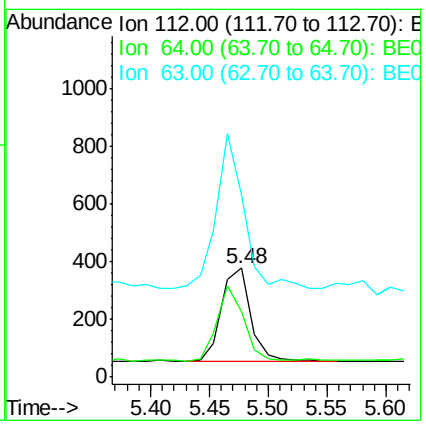


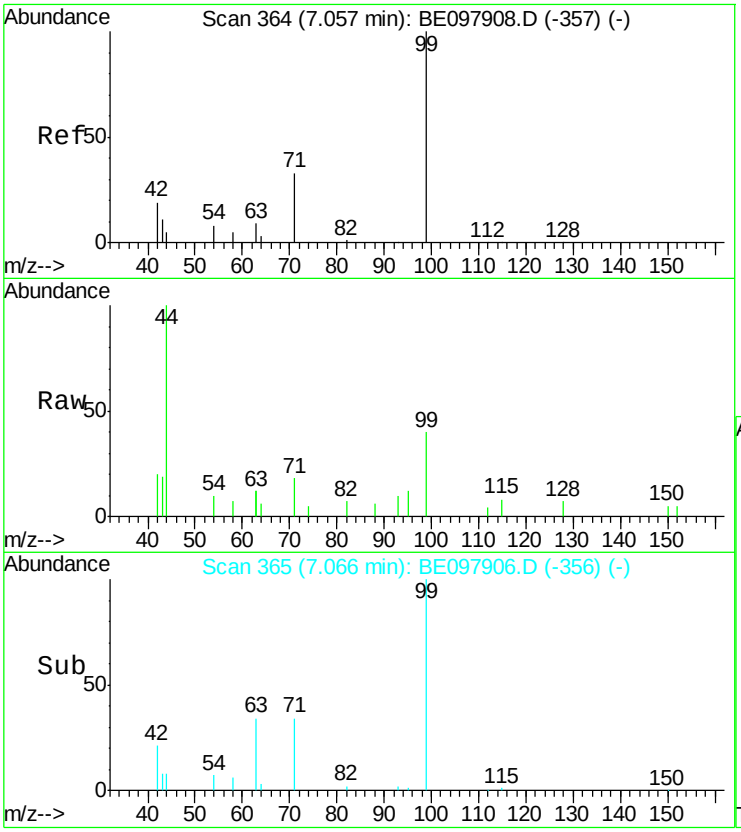


#4
2-Fluorophenol
Concen: 0.144 ng
RT: 5.48 min Scan# 227
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:112 Resp: 571

Ion	Ratio	Lower	Upper
112	100		
64	72.0	58.9	88.3
63	151.8	120.3	180.5



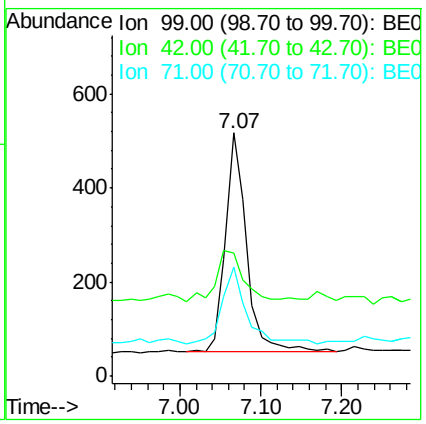


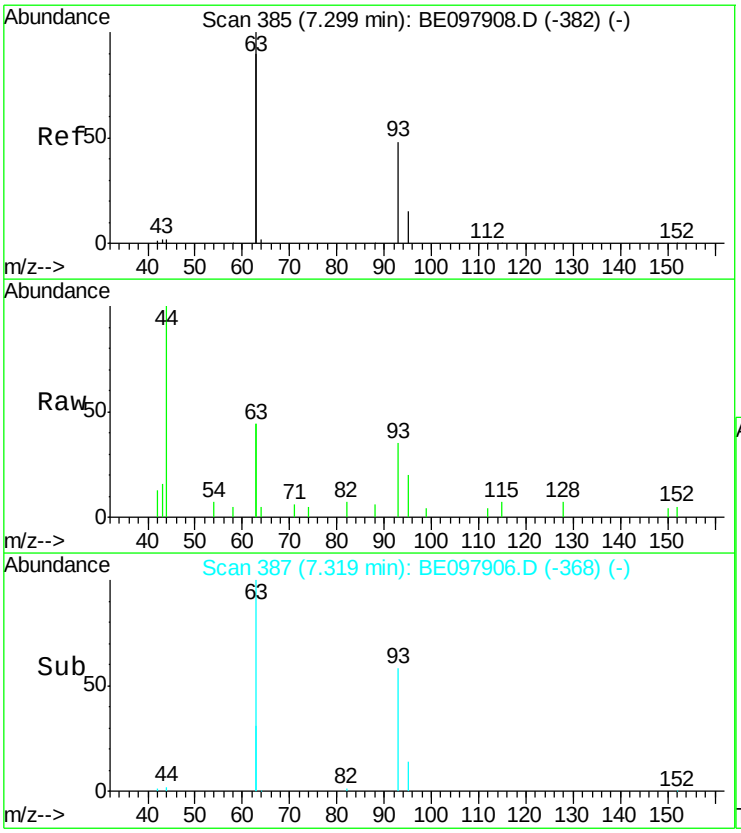
#5
Phenol-d6
Concen: 0.139 ng
RT: 7.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 844

Ion	Ratio	Lower	Upper
99	100		
42	30.8	19.9	29.9#
71	41.2	27.8	41.8

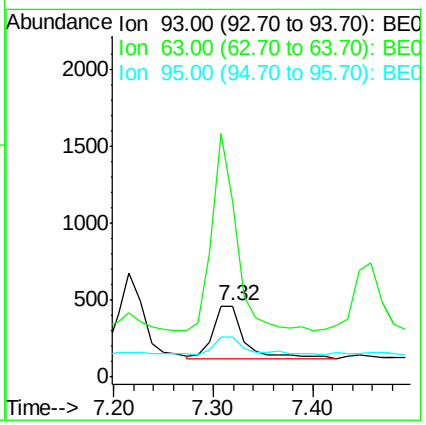


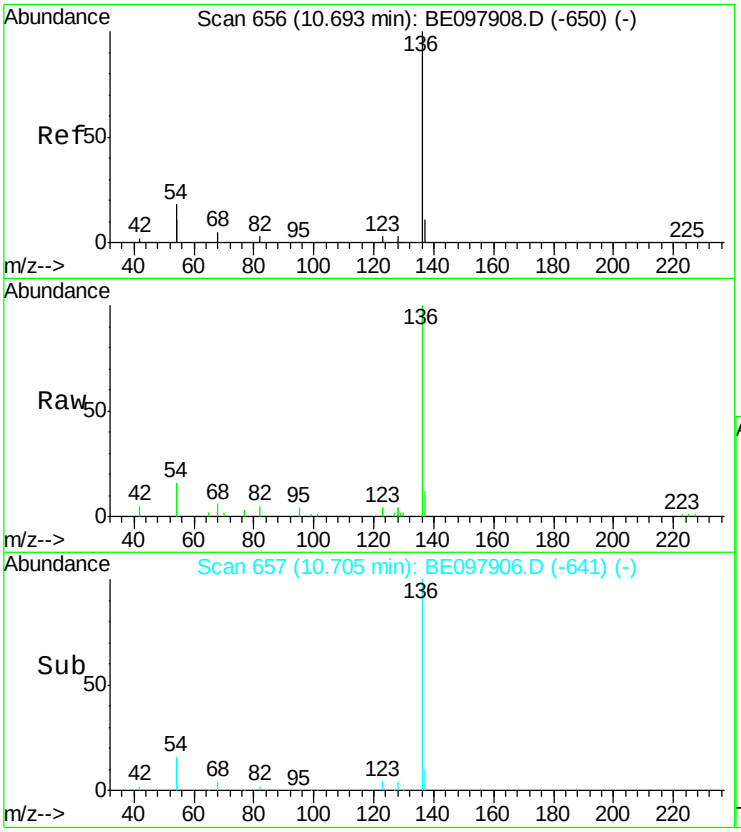


#6
bis(2-Chloroethyl)ether
Concen: 0.117 ng
RT: 7.32 min Scan# 387
Delta R.T. 0.02 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion: 93 Resp: 732

Ion	Ratio	Lower	Upper
93	100		
63	297.8	259.0	388.4
95	30.9	27.8	41.8



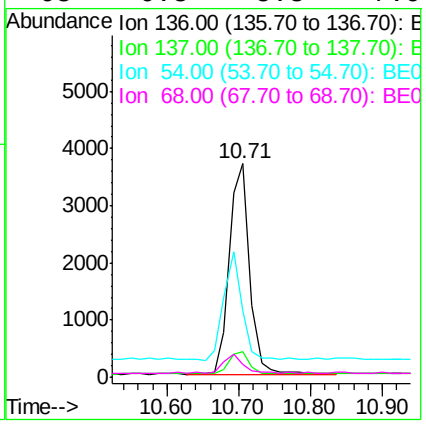


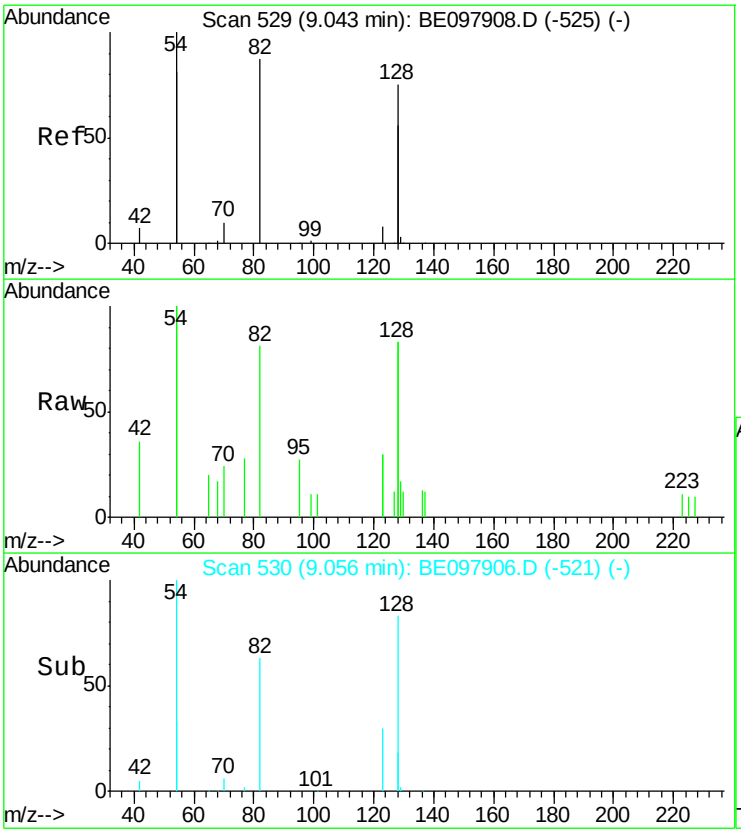
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 7206

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	31.1	27.7	41.5
68	6.3	5.3	7.9

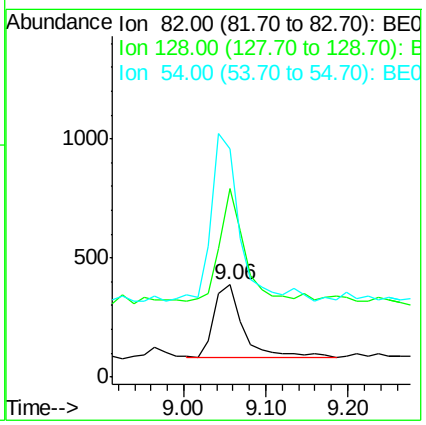


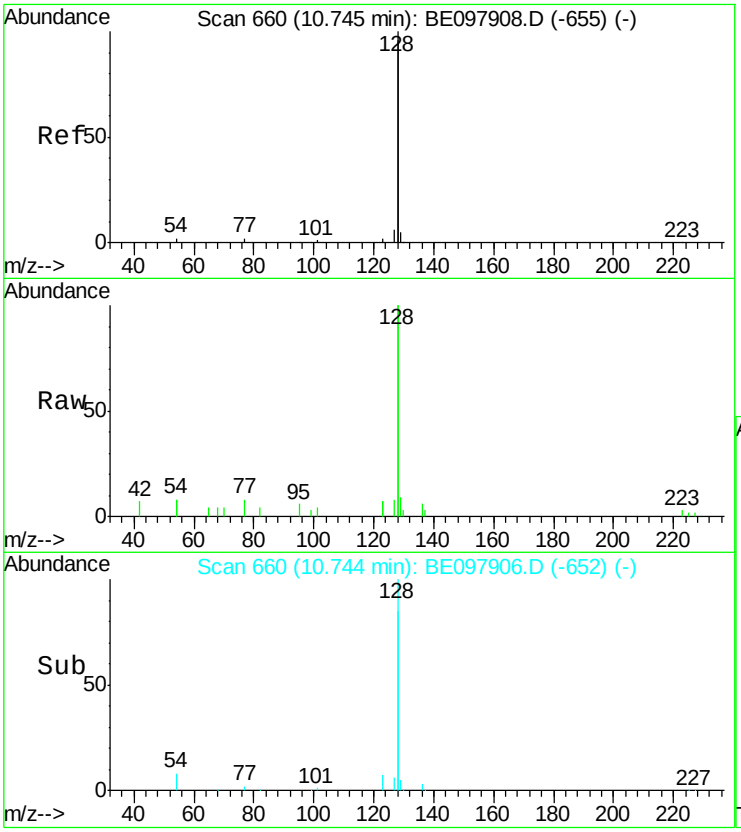


#8
Nitrobenzene-d5
Concen: 0.314 ng
RT: 9.06 min Scan# 530
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion: 82 Resp: 735

Ion	Ratio	Lower	Upper
82	100		
128	204.6	129.9	194.9#
54	246.4	174.0	261.0



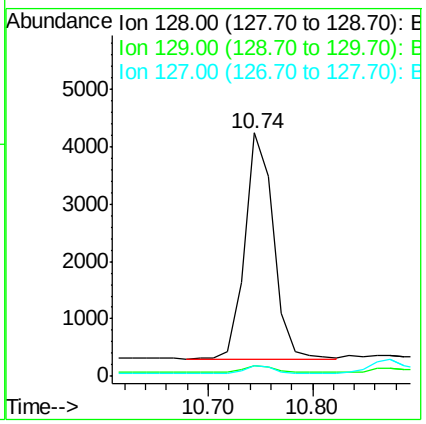


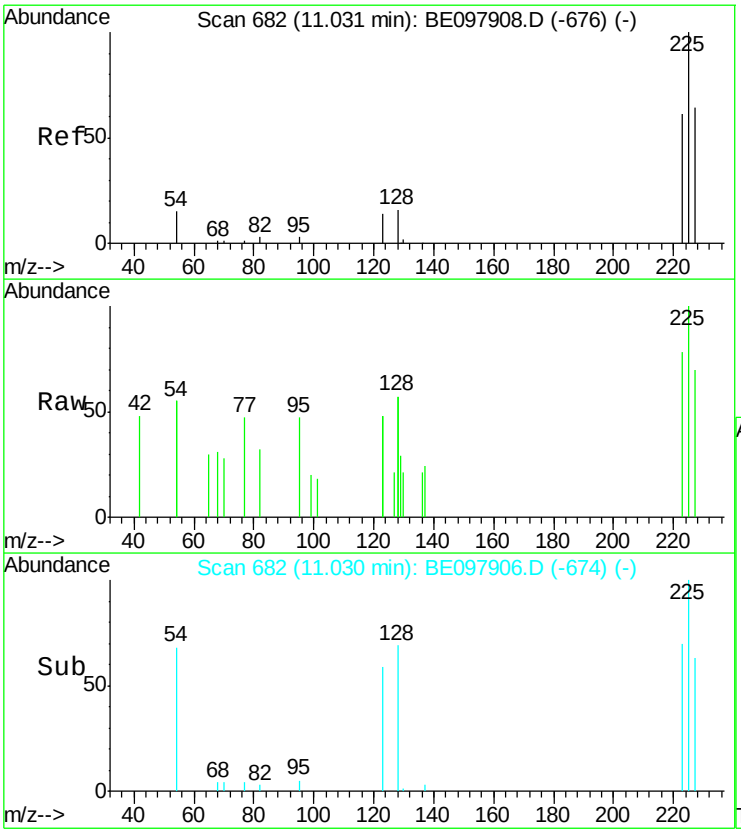
#9
Naphthalene
Concen: 0.103 ng
RT: 10.74 min Scan# 660
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 7481

Ion	Ratio	Lower	Upper
128	100		
129	4.4	2.5	3.7#
127	4.2	2.8	4.2#

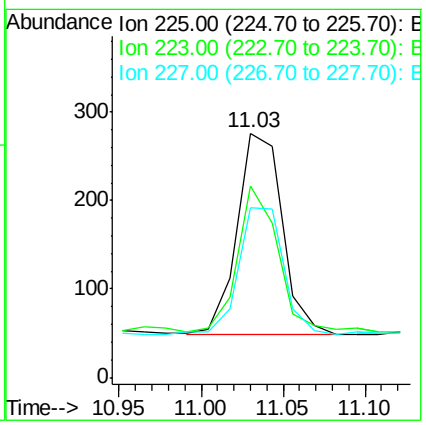


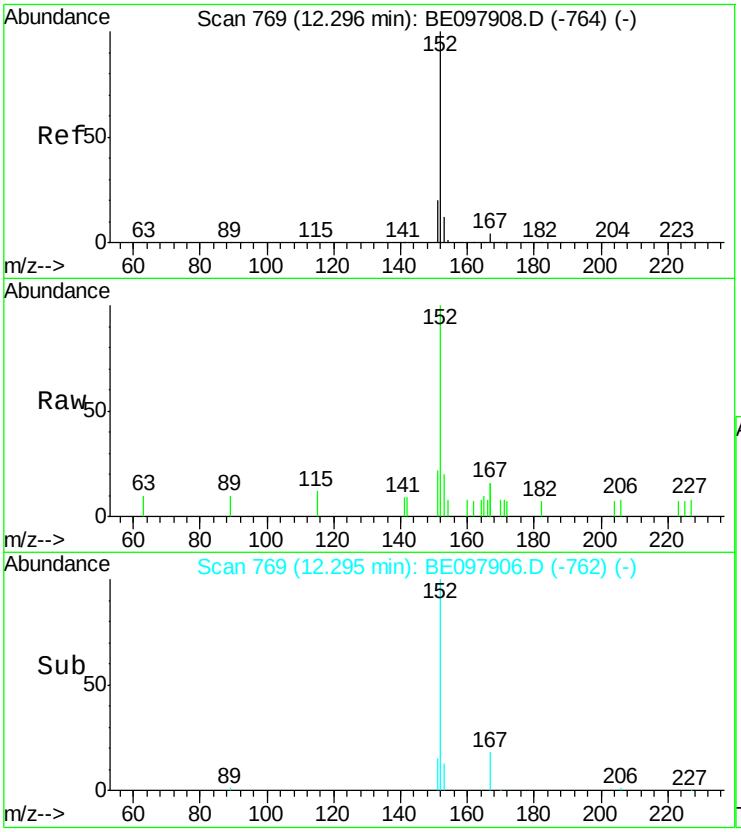


#10
Hexachlorobutadiene
Concen: 0.113 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:225 Resp: 436

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.8	77.8
227	64.2	53.0	79.6



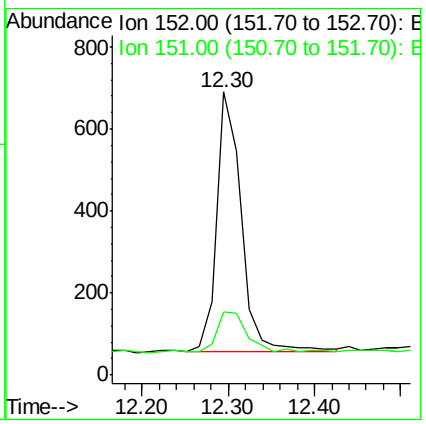


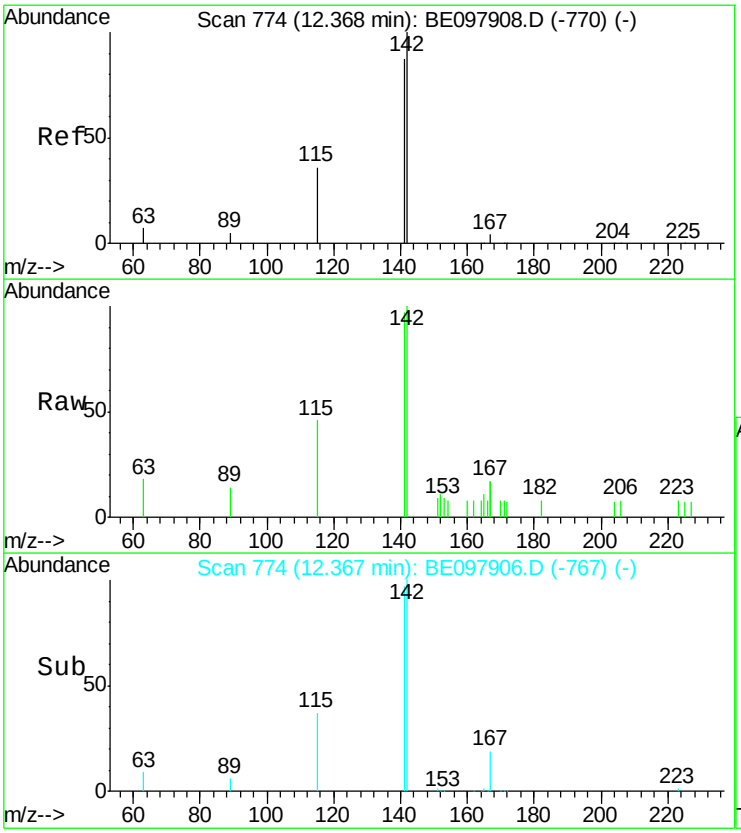
#11
2-Methylnaphthalene-d10
Concen: 0.109 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1246

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4

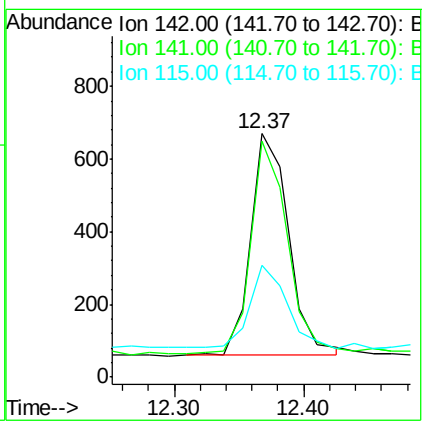


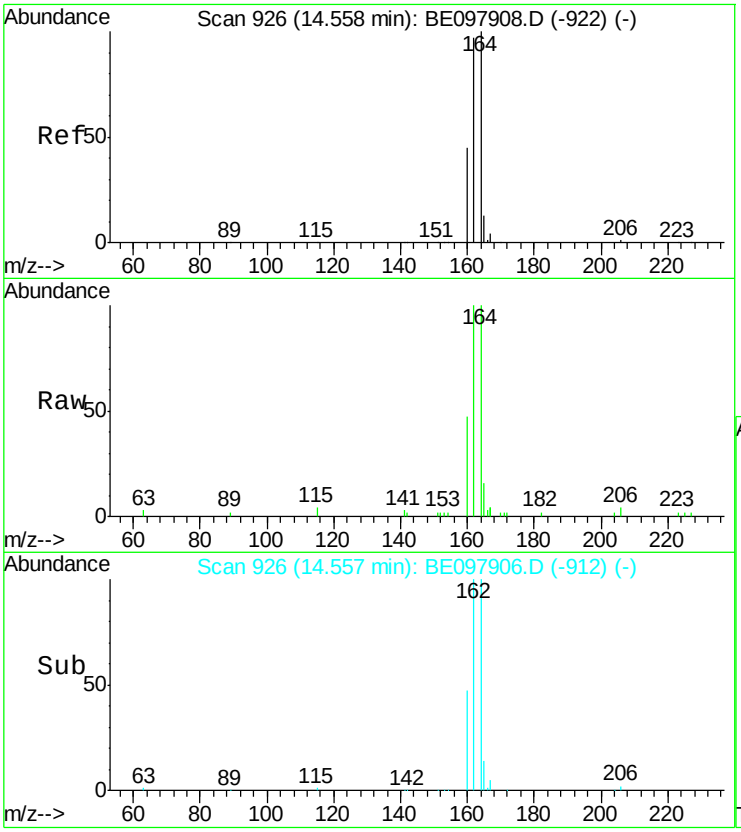


#12
2-Methylnaphthalene
Concen: 0.107 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:142 Resp: 1242

Ion	Ratio	Lower	Upper
142	100		
141	96.9	69.8	104.6
115	45.8	30.5	45.7#



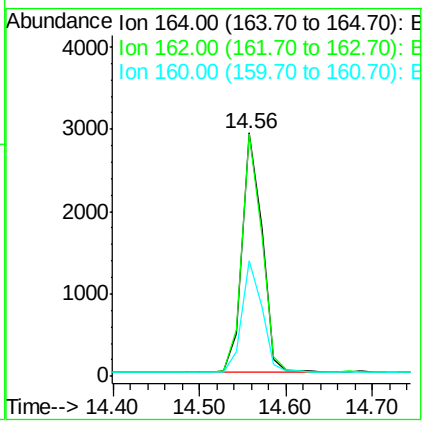


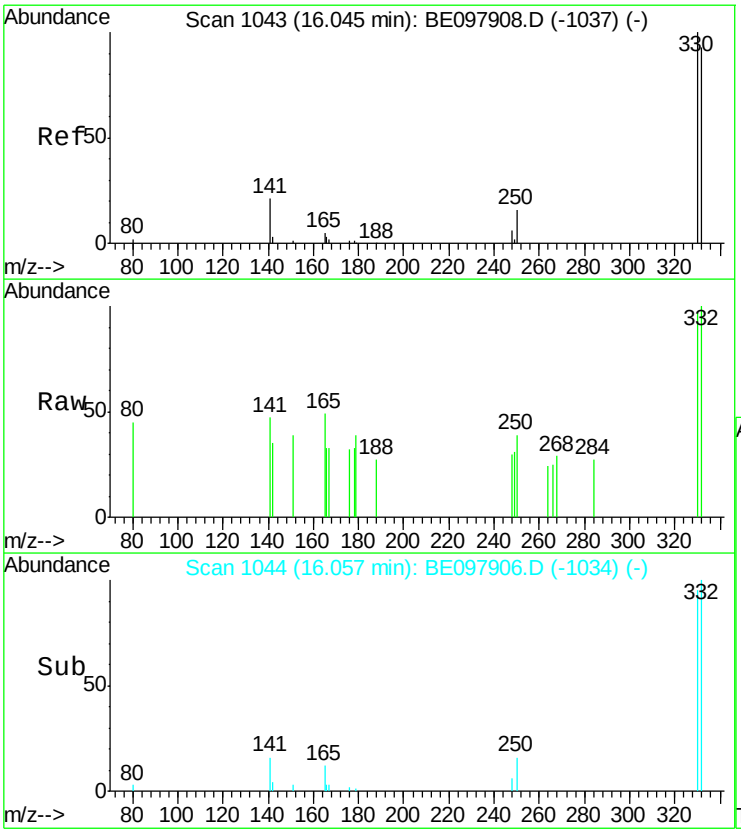
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 4629

Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.4	116.2
160	47.4	36.5	54.7

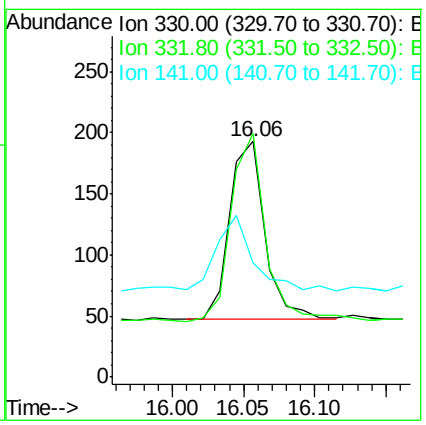


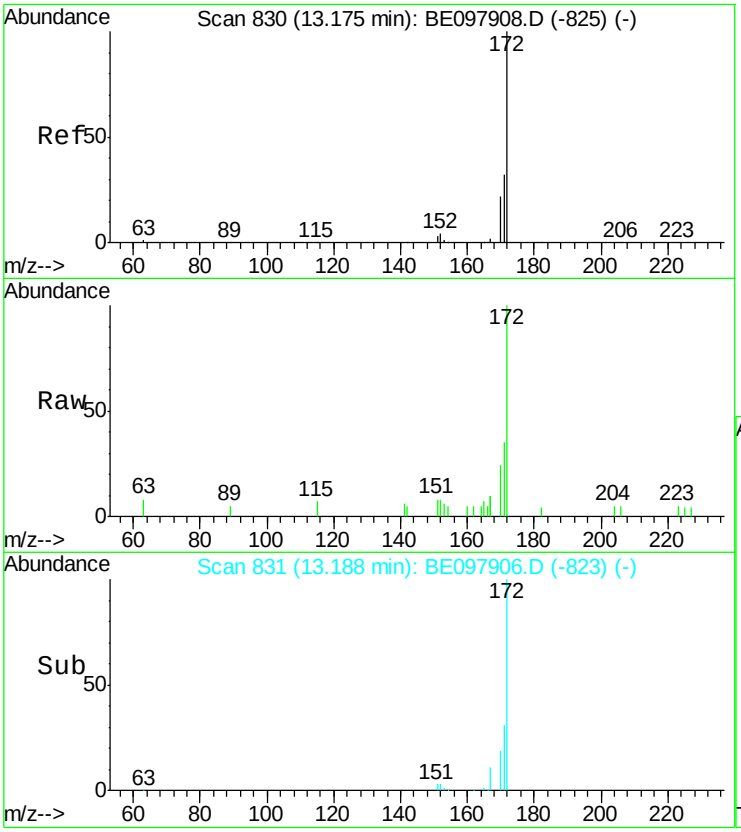


#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 16.06 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:330 Resp: 252

Ion	Ratio	Lower	Upper
330	100		
332	106.0	76.5	114.7
141	51.2	31.8	47.6#



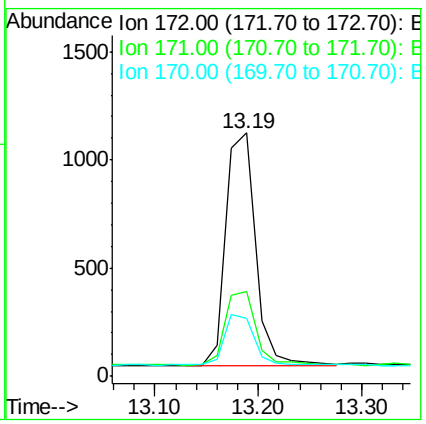


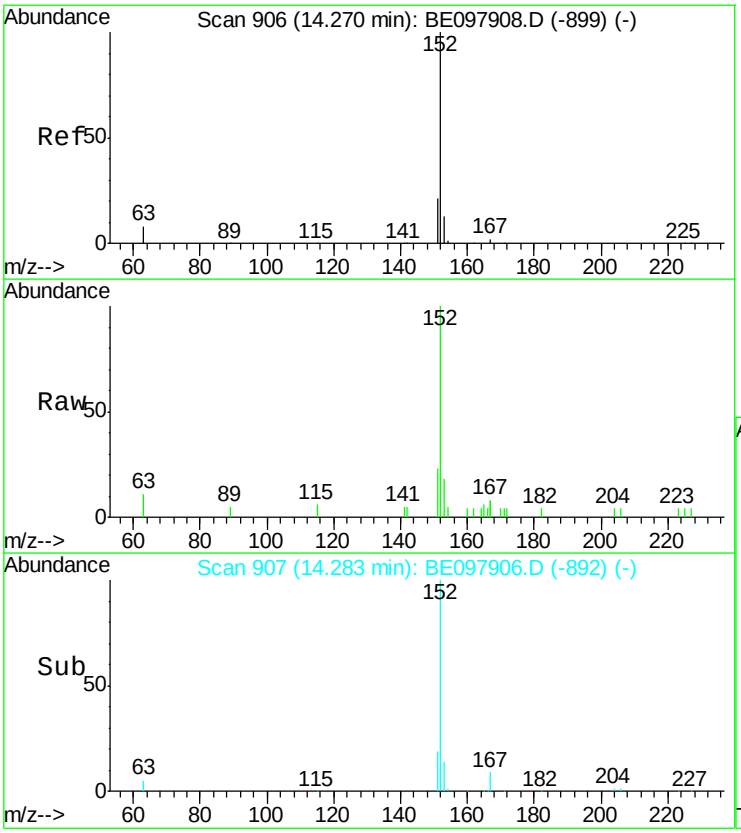
#15
2-Fluorobiphenyl
Concen: 0.106 ng
RT: 13.19 min Scan# 831
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 2159

Ion	Ratio	Lower	Upper
172	100		
171	34.7	26.0	39.0
170	23.6	18.0	27.0

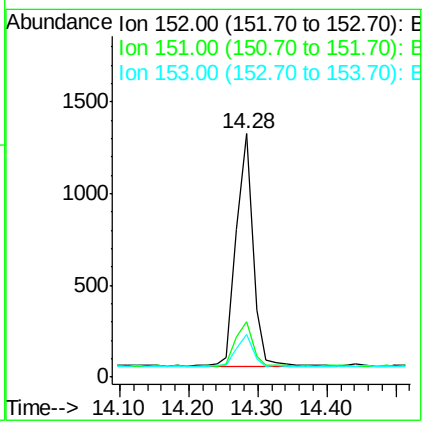


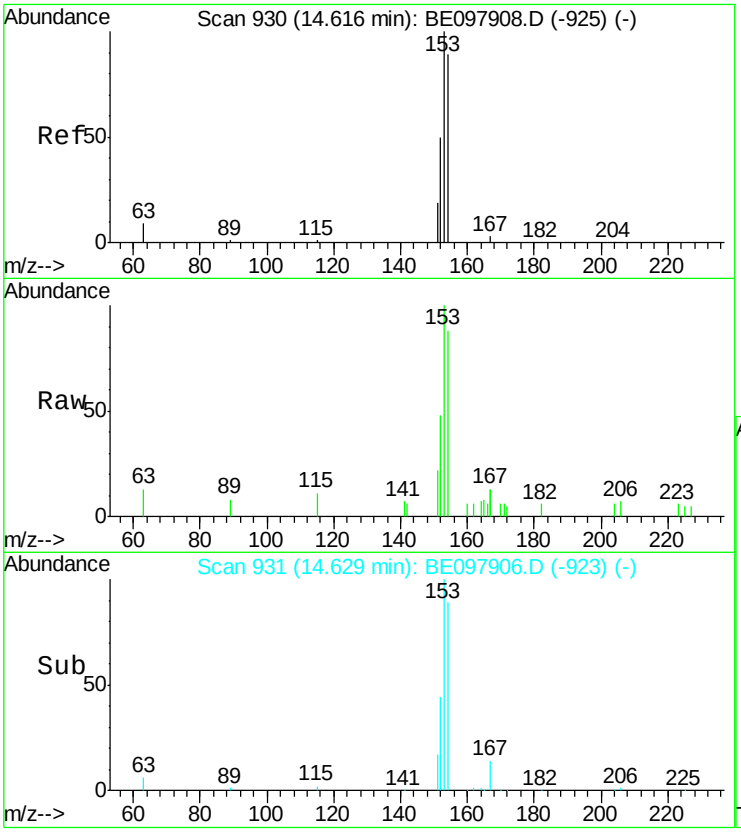


#16
Acenaphthylene
Concen: 0.105 ng
RT: 14.28 min Scan# 907
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:152 Resp: 2158

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



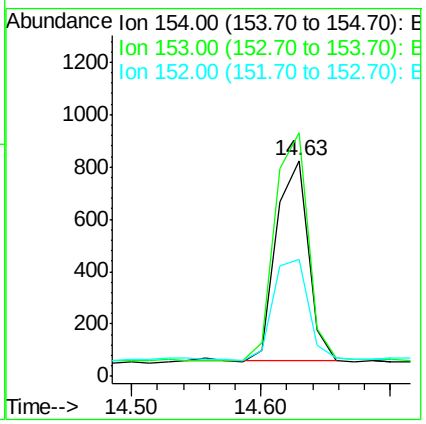


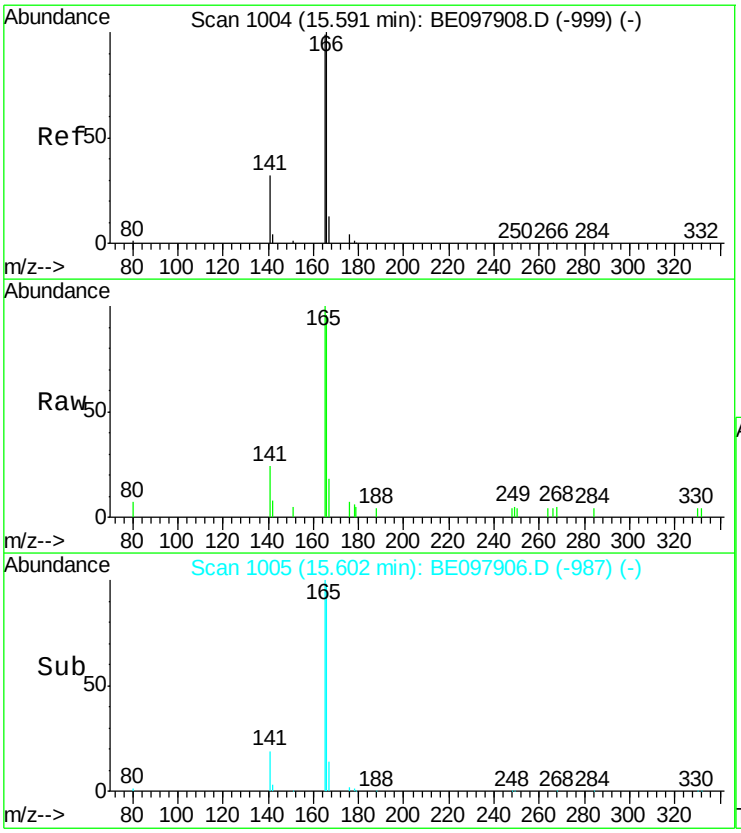
#17
Acenaphthene
Concen: 0.102 ng
RT: 14.63 min Scan# 931
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1341

Ion	Ratio	Lower	Upper
154	100		
153	116.6	92.6	139.0
152	53.7	45.5	68.3

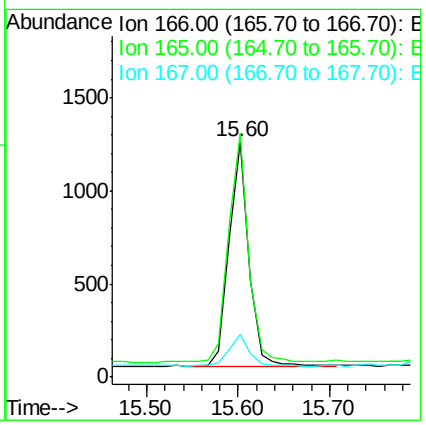


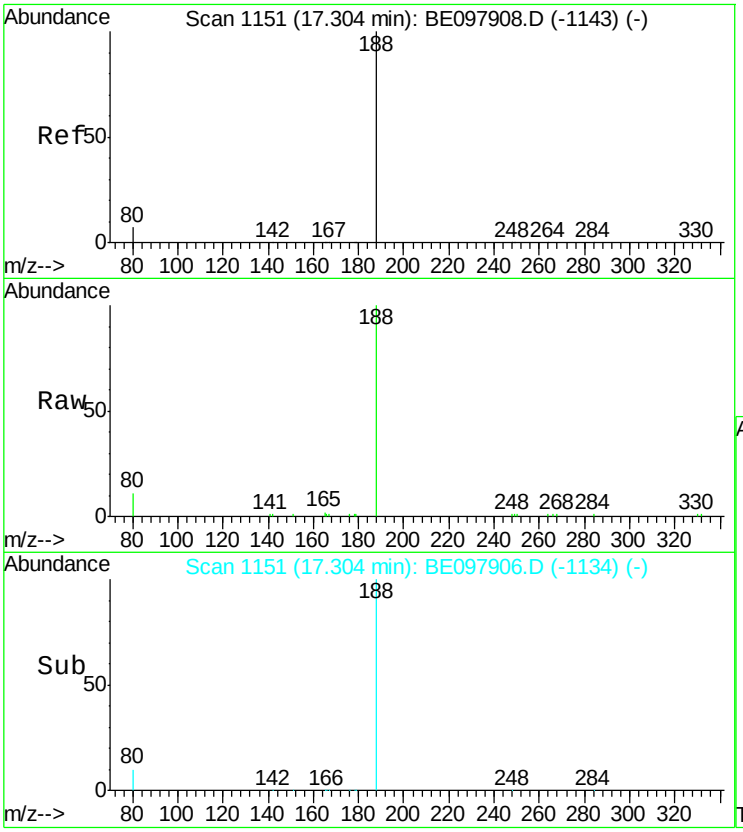


#18
Fluorene
Concen: 0.105 ng
RT: 15.60 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:166 Resp: 1835

Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.2	117.4
167	14.8	11.0	16.6



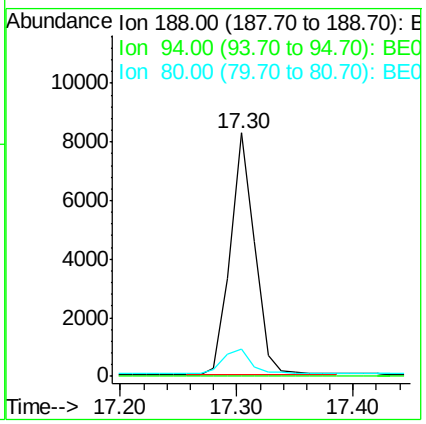


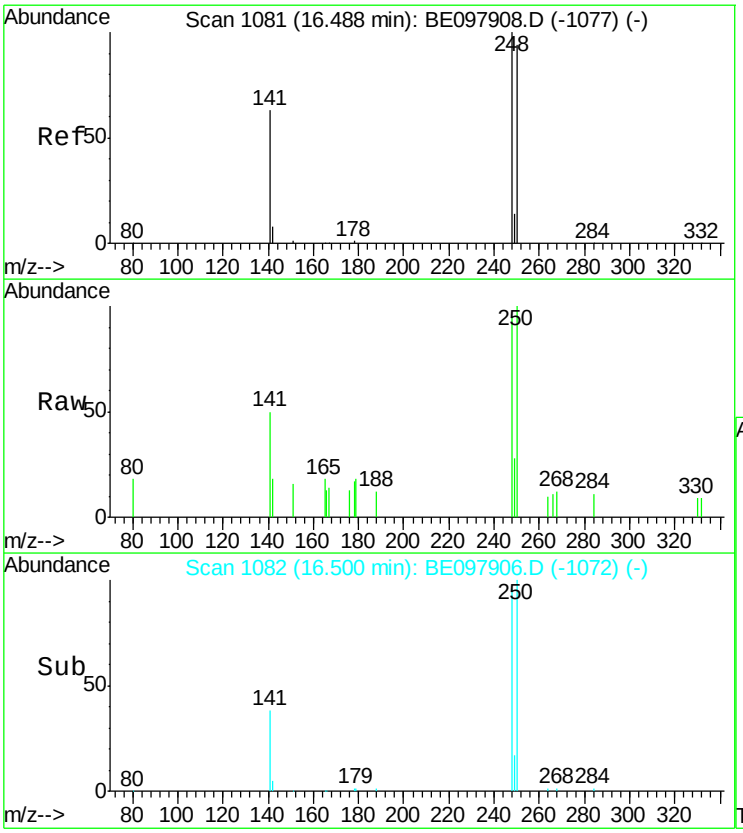
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 12118

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	6.3	9.5#

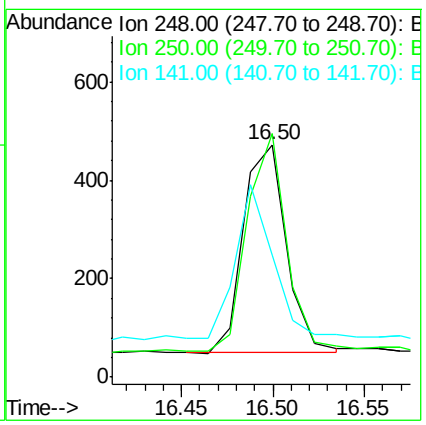


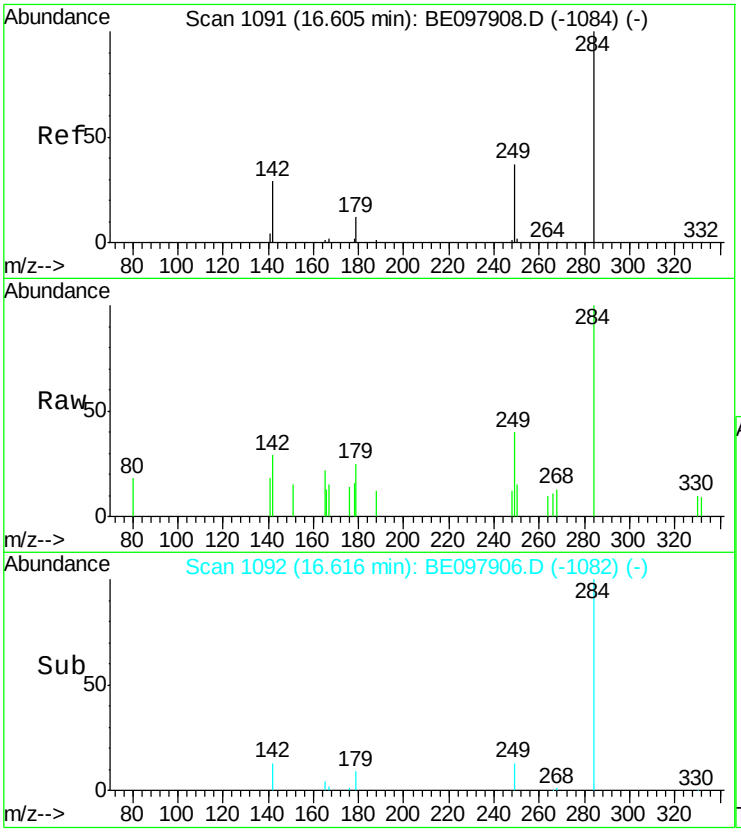


#20
4-Bromophenyl-phenylether
Concen: 0.109 ng
RT: 16.50 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:248 Resp: 690

Ion	Ratio	Lower	Upper
248	100		
250	104.9	75.1	112.7
141	52.5	51.8	77.8



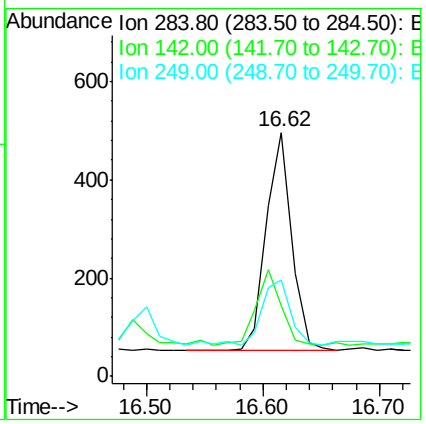


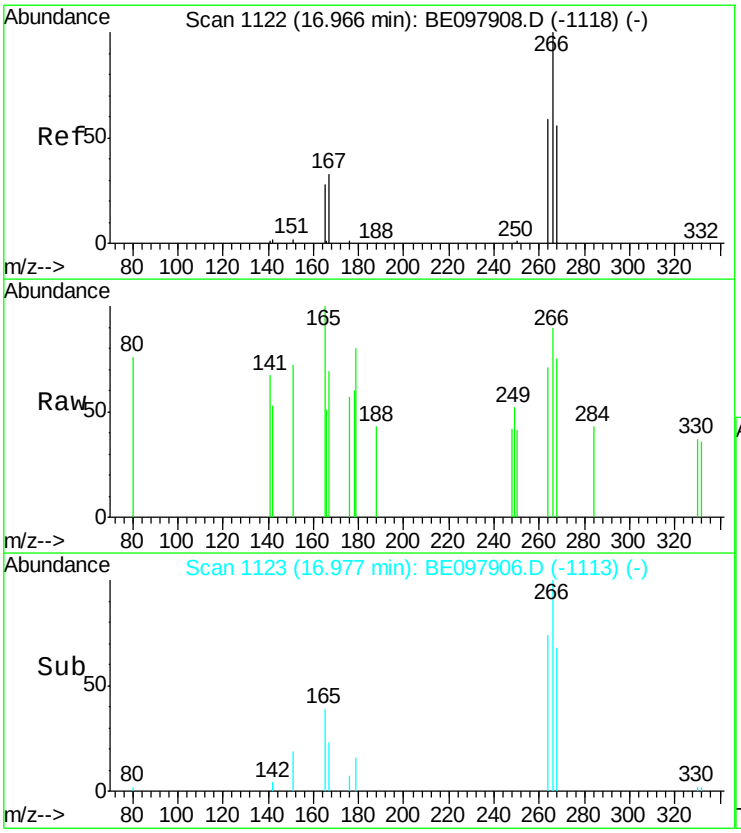
#21
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.62 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:284 Resp: 673

Ion	Ratio	Lower	Upper
284	100		
142	35.2	25.9	38.9
249	35.4	26.6	40.0

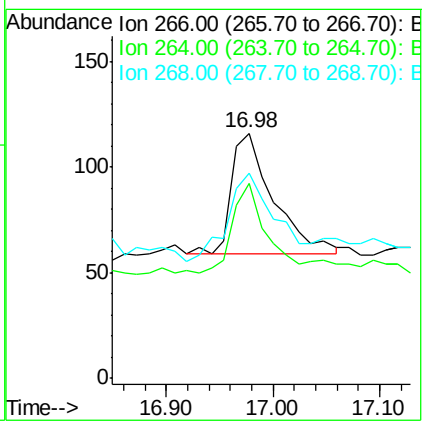


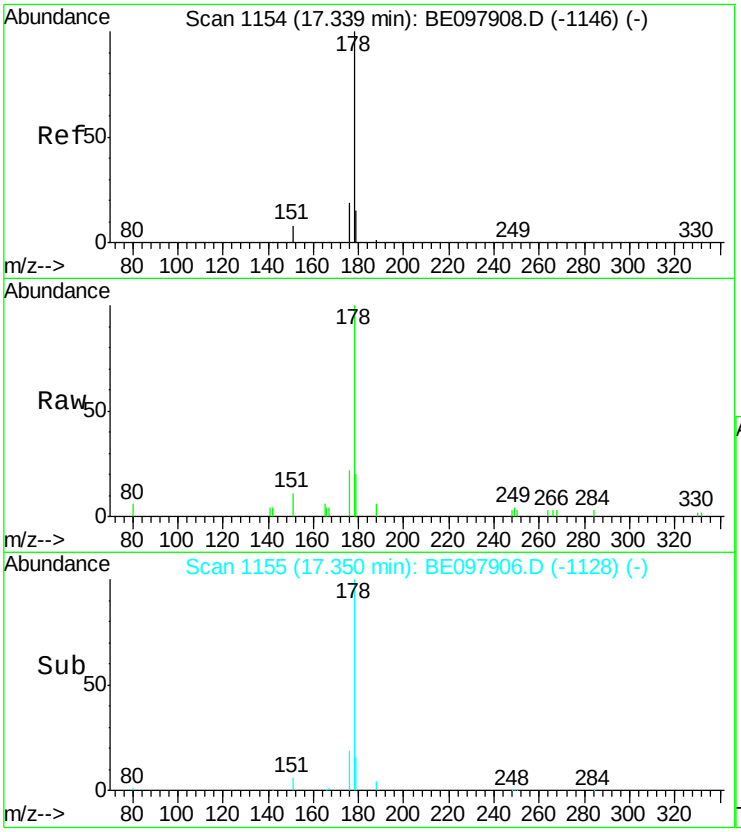


#22
Pentachlorophenol
Concen: 0.137 ng
RT: 16.98 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:266 Resp: 154

Ion	Ratio	Lower	Upper
266	100		
264	79.3	51.3	76.9#
268	83.6	50.1	75.1#



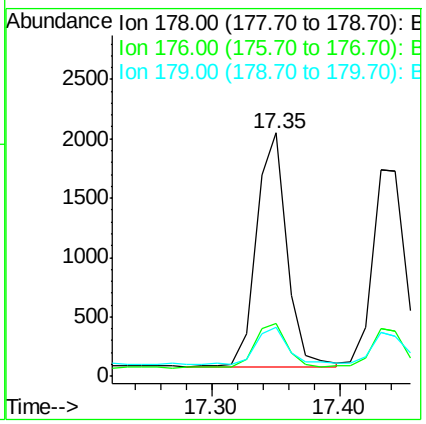


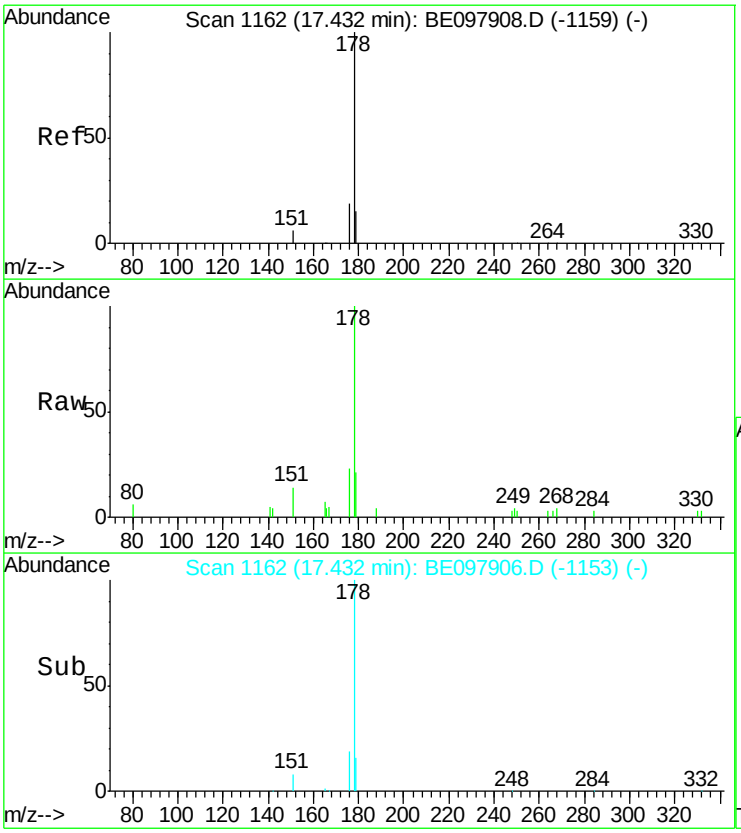
#23
Phenanthrene
Concen: 0.104 ng
RT: 17.35 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 3245

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.5	23.3
179	17.4	12.2	18.4

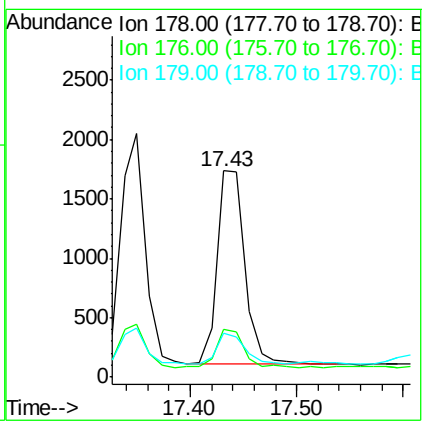


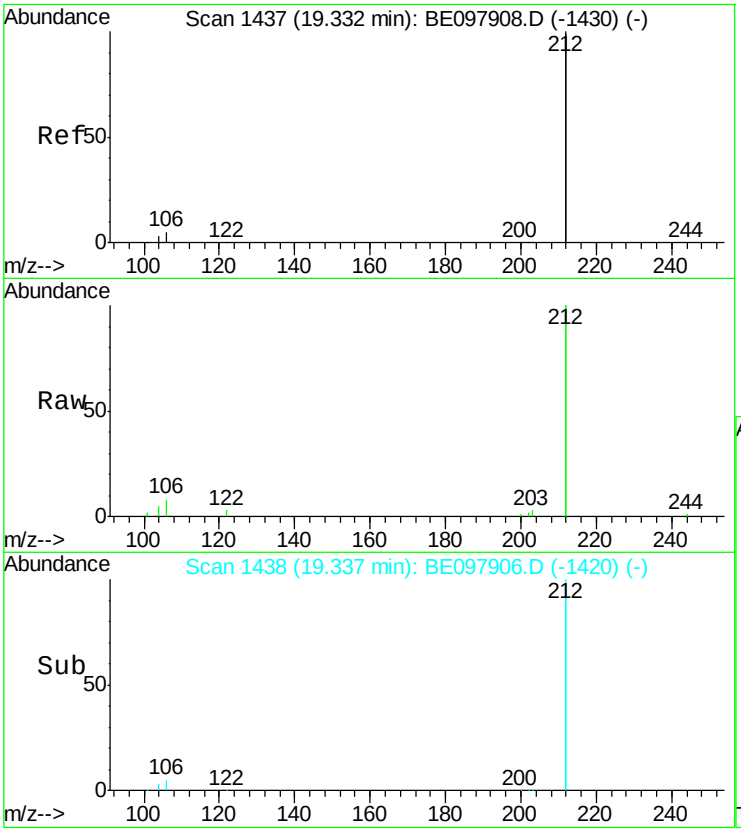


#24
Anthracene
Concen: 0.108 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:178 Resp: 2913

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.9	22.3
179	16.5	11.9	17.9



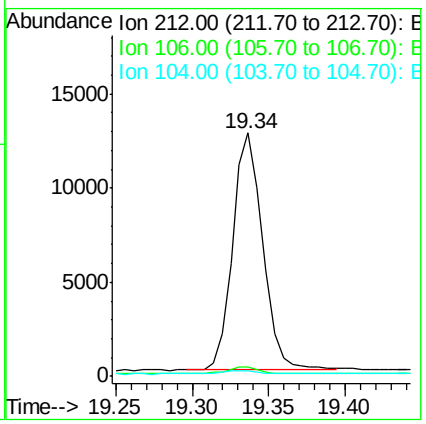


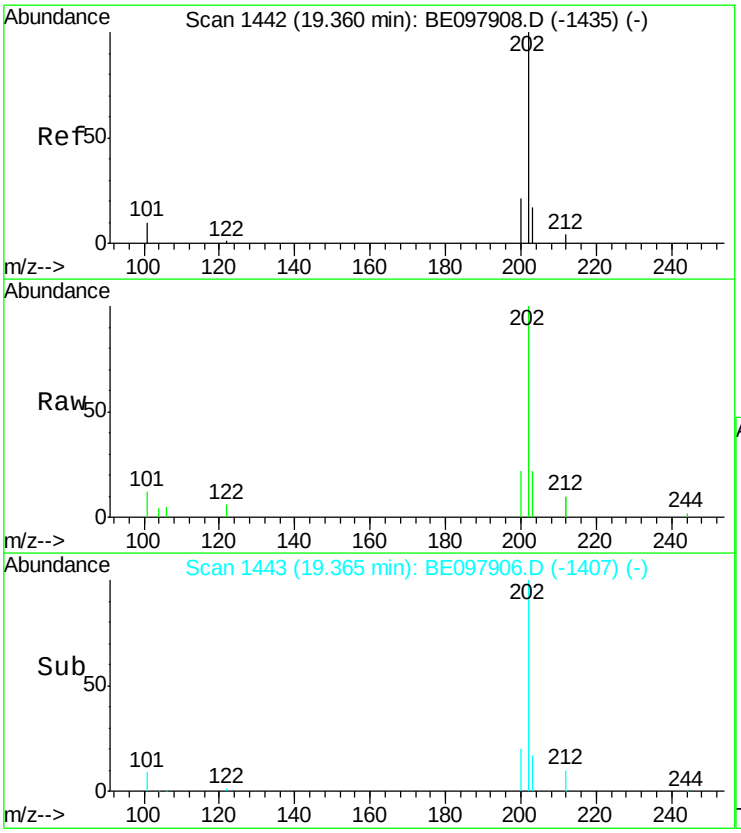
#25
Fluoranthene-d10
Concen: 0.113 ng
RT: 19.34 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 17259

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.3	3.5
104	1.7	1.3	1.9

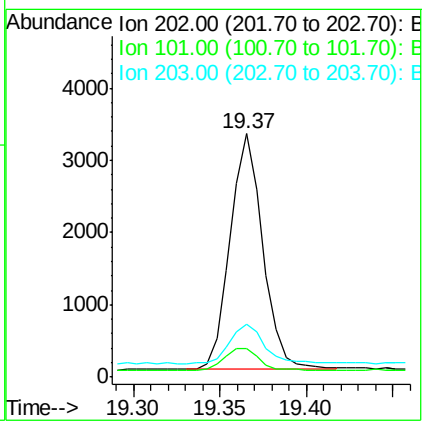


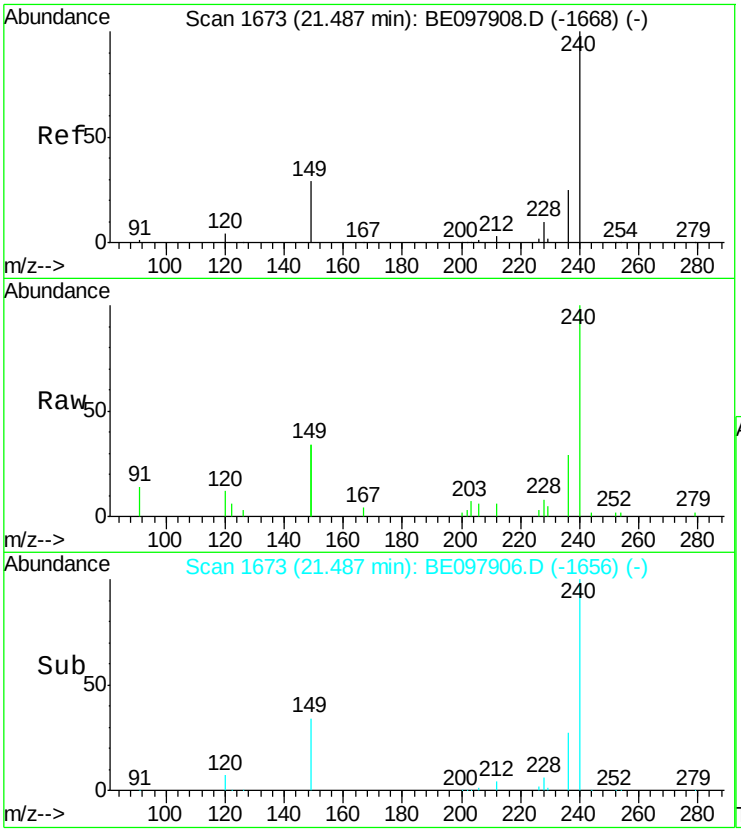


#26
Fluoranthene
Concen: 0.107 ng
RT: 19.37 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:202 Resp: 4258

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.2	12.2
203	18.0	15.0	22.4



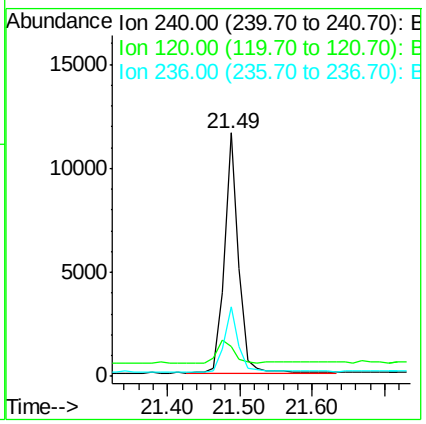


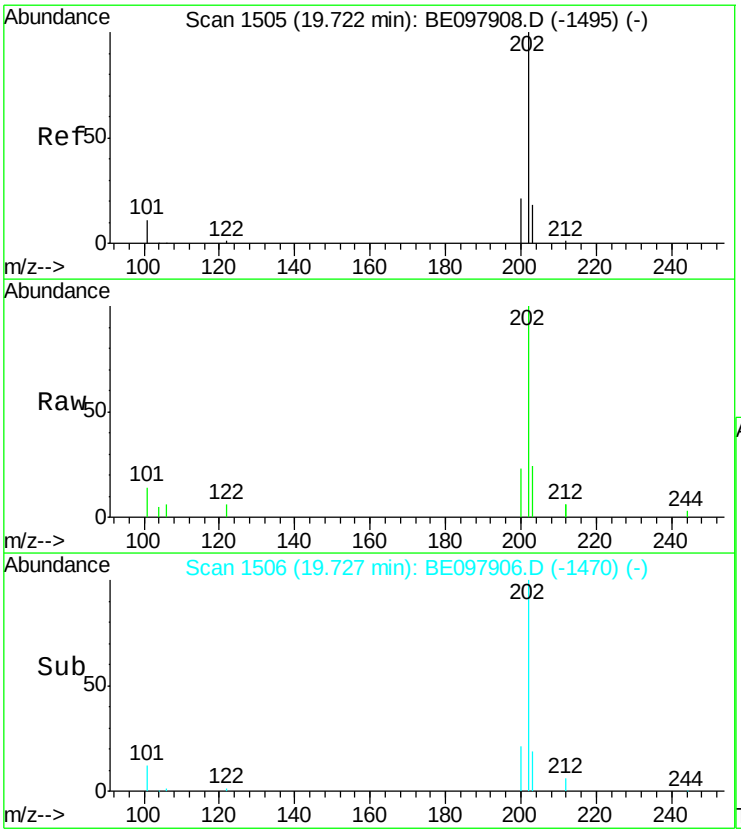
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 15964

Ion	Ratio	Lower	Upper
240	100		
120	12.1	7.1	10.7#
236	28.8	21.3	31.9

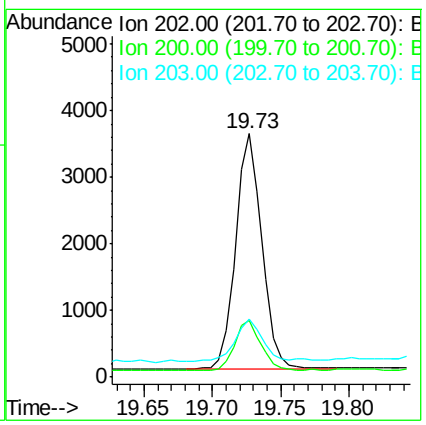


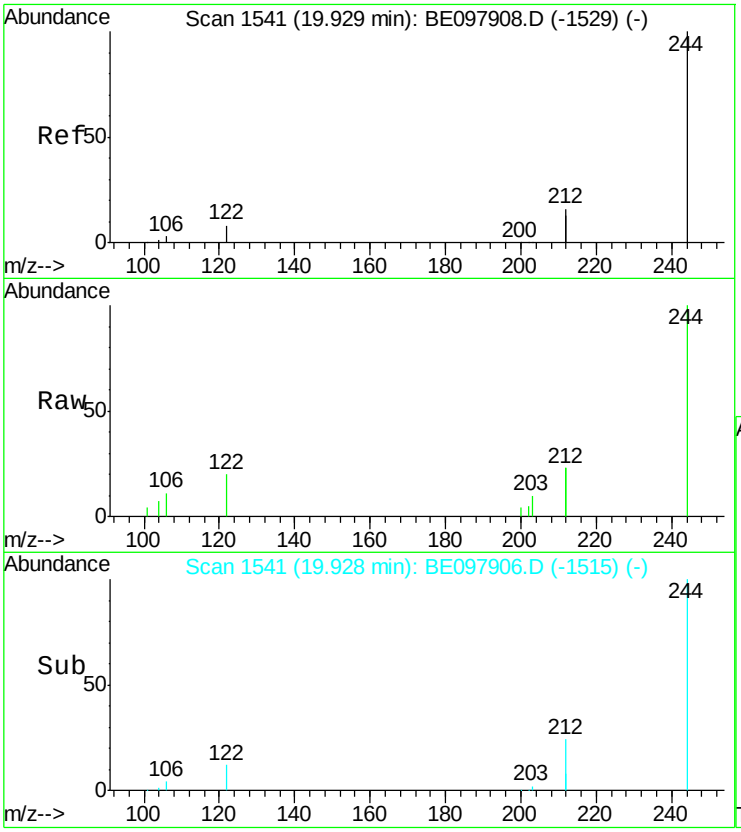


#28
Pyrene
Concen: 0.117 ng
RT: 19.73 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:202 Resp: 4758

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.1	14.2	21.4



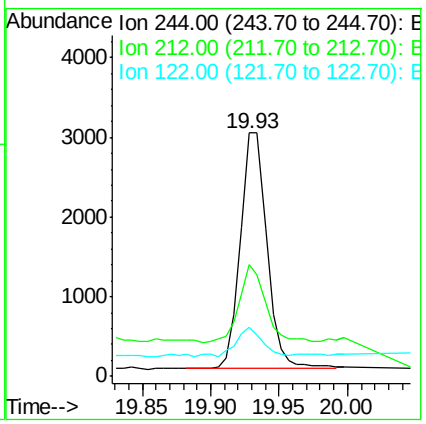


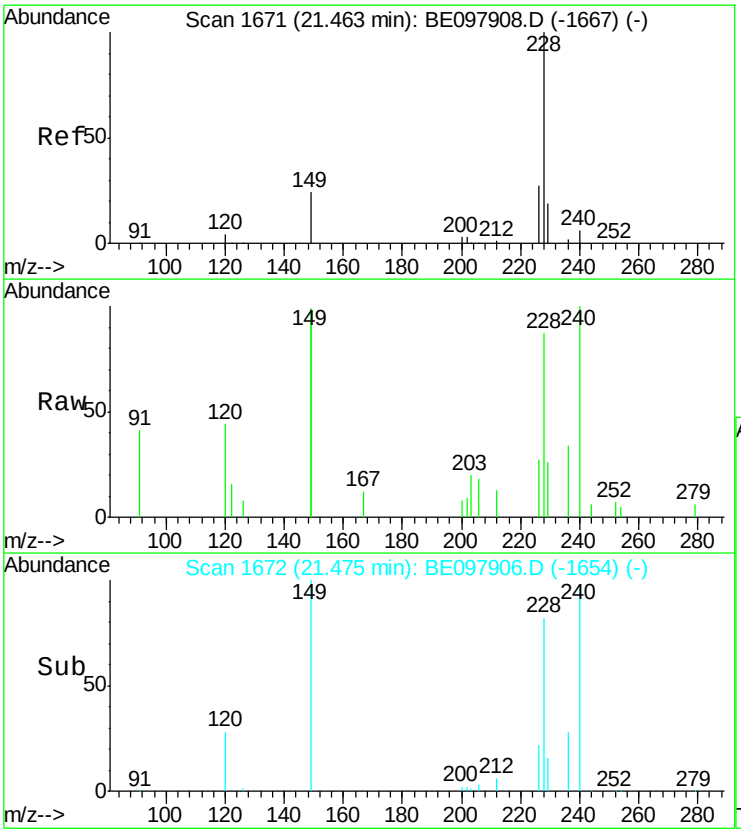
#29
Terphenyl-d14
Concen: 0.122 ng
RT: 19.93 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 3980

Ion	Ratio	Lower	Upper
244	100		
212	45.7	26.2	39.2#
122	20.1	7.7	11.5#

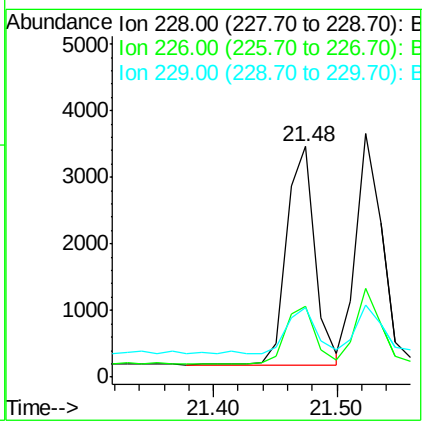


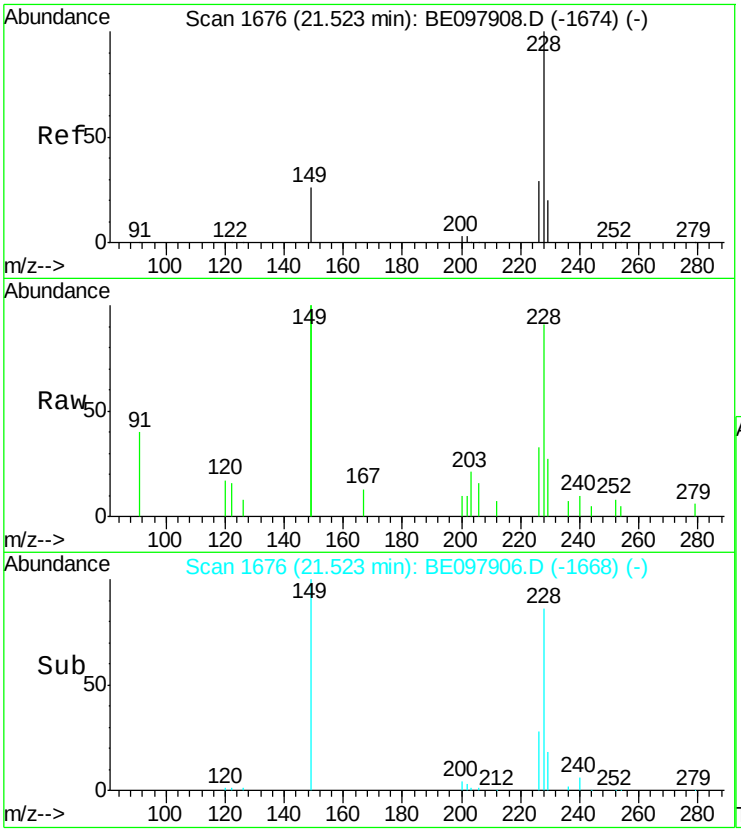


#30
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.48 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:228 Resp: 5240

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	30.1	16.9	25.3#



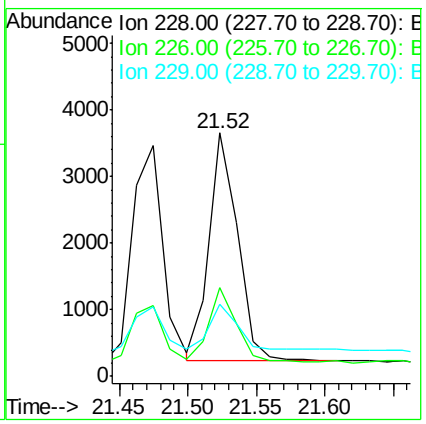


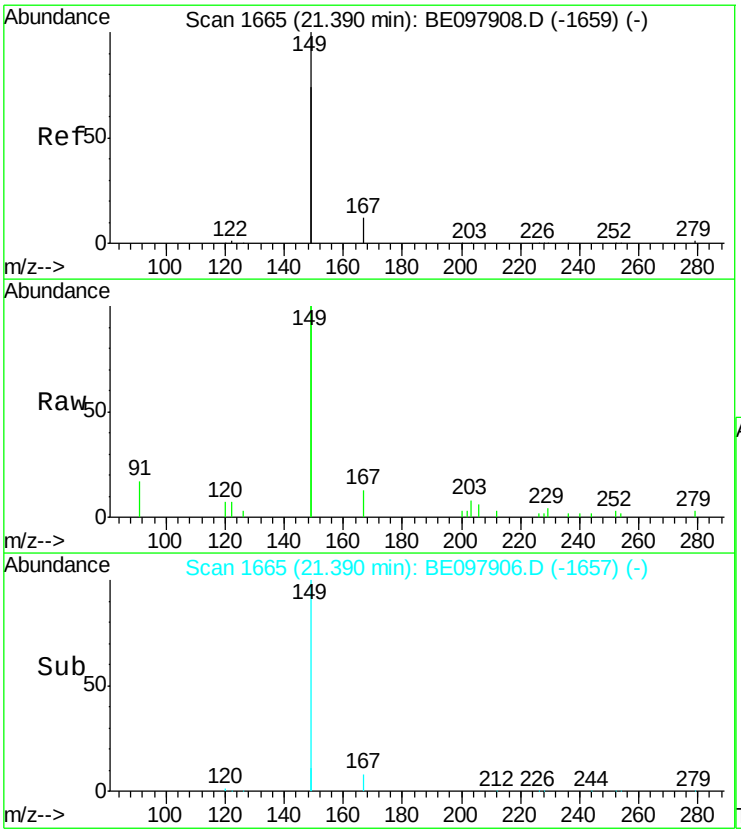
#31
Chrysene
Concen: 0.104 ng
RT: 21.52 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 4972

Ion	Ratio	Lower	Upper
228	100		
226	36.2	24.3	36.5
229	29.4	17.3	25.9#

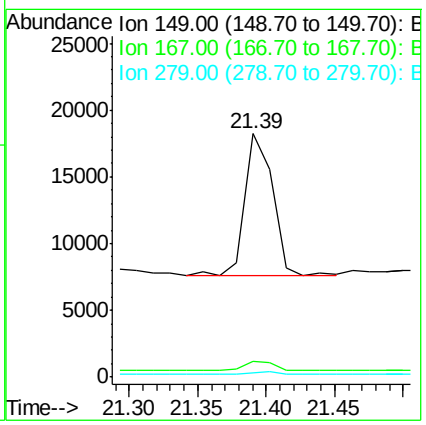


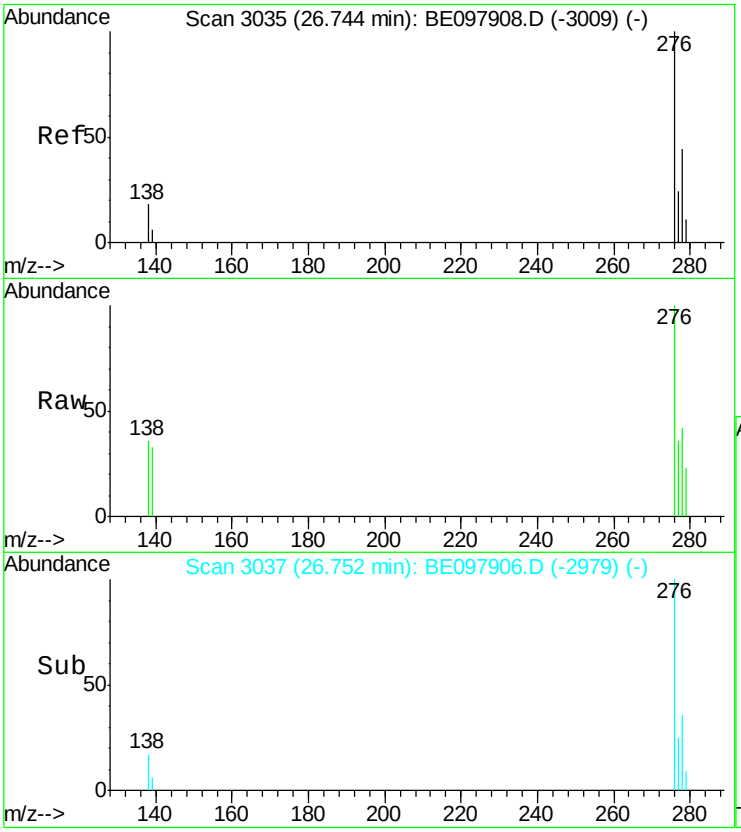


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.480 ng
RT: 21.39 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:149 Resp: 15054

Ion	Ratio	Lower	Upper
149	100		
167	8.5	5.6	8.4#
279	1.3	0.9	1.3#



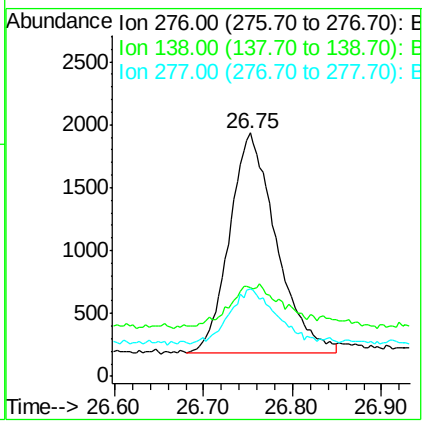


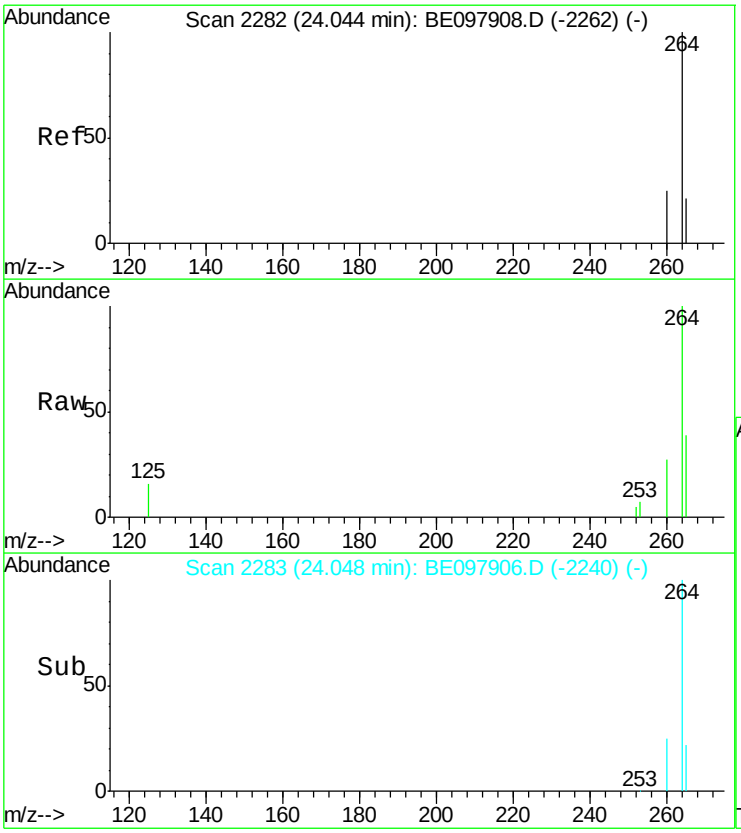
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.153 ng
RT: 26.75 min Scan# 3037
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 6369

Ion	Ratio	Lower	Upper
276	100		
138	6.6	17.0	25.6#
277	25.6	20.5	30.7

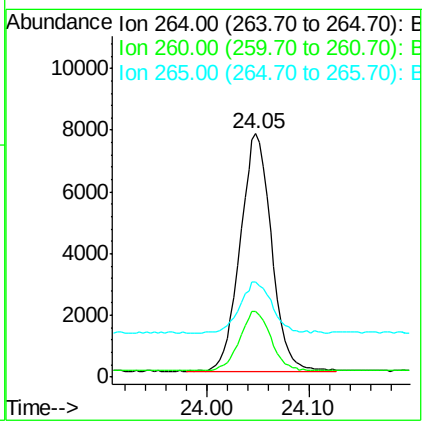


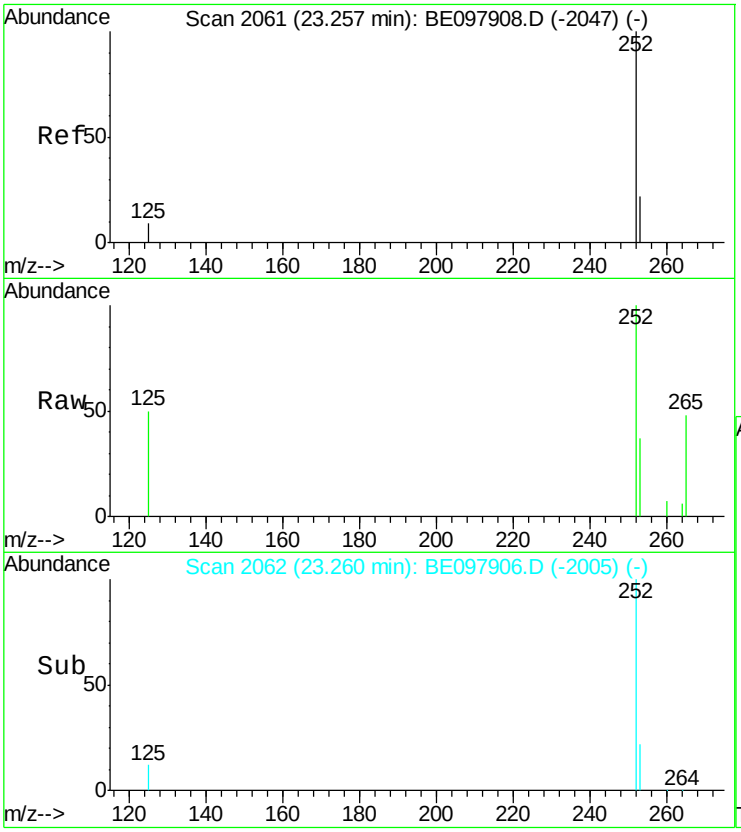


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.05 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:264 Resp: 16477

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.1	31.7
265	39.1	29.2	43.8



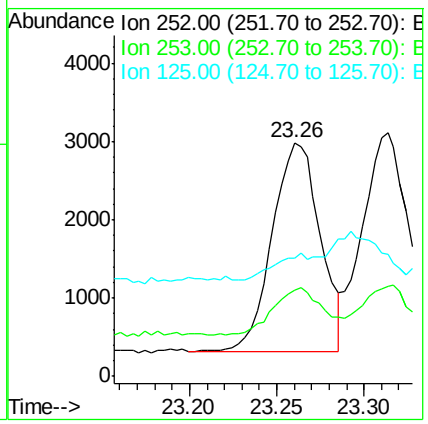


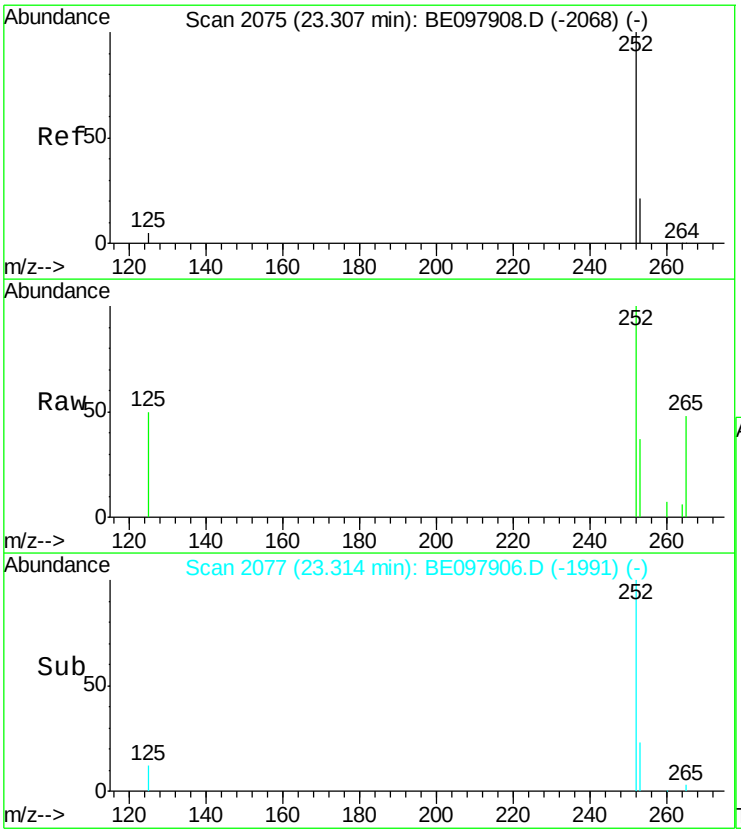
#35
Benzo(b)fluoranthene
Concen: 0.113 ng
RT: 23.26 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5109

Ion	Ratio	Lower	Upper
252	100		
253	36.8	20.6	31.0#
125	50.4	14.3	21.5#

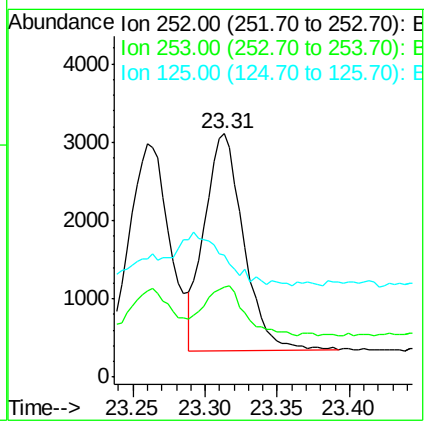


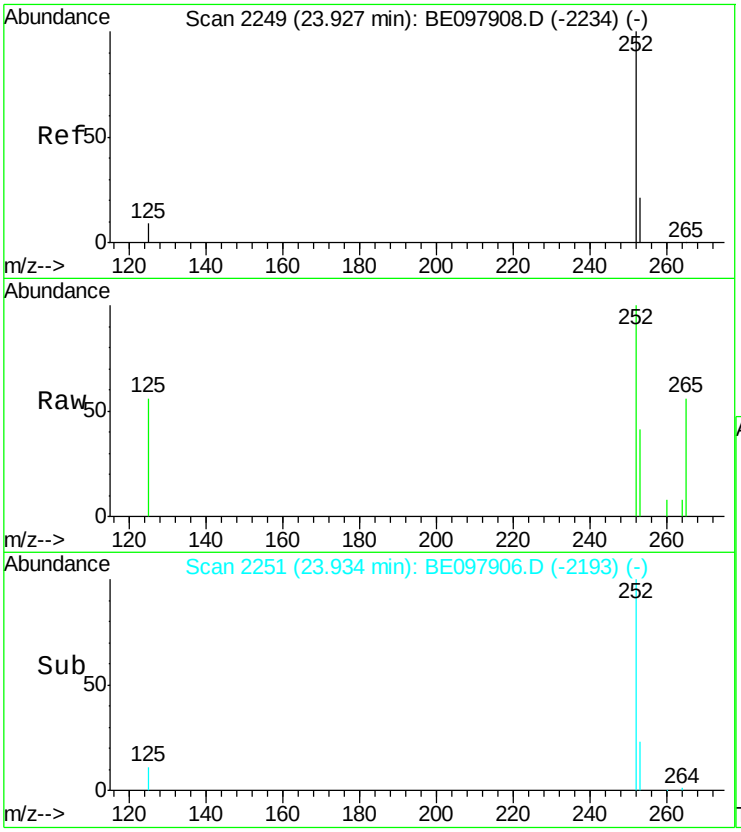


#36
Benzo(k)fluoranthene
Concen: 0.104 ng
RT: 23.31 min Scan# 2077
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:252 Resp: 5216

Ion	Ratio	Lower	Upper
252	100		
253	36.8	20.4	30.6#
125	49.9	14.6	21.8#



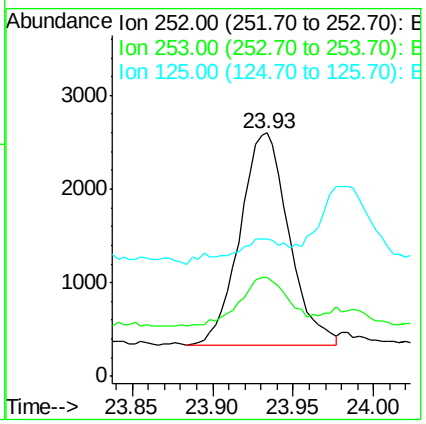


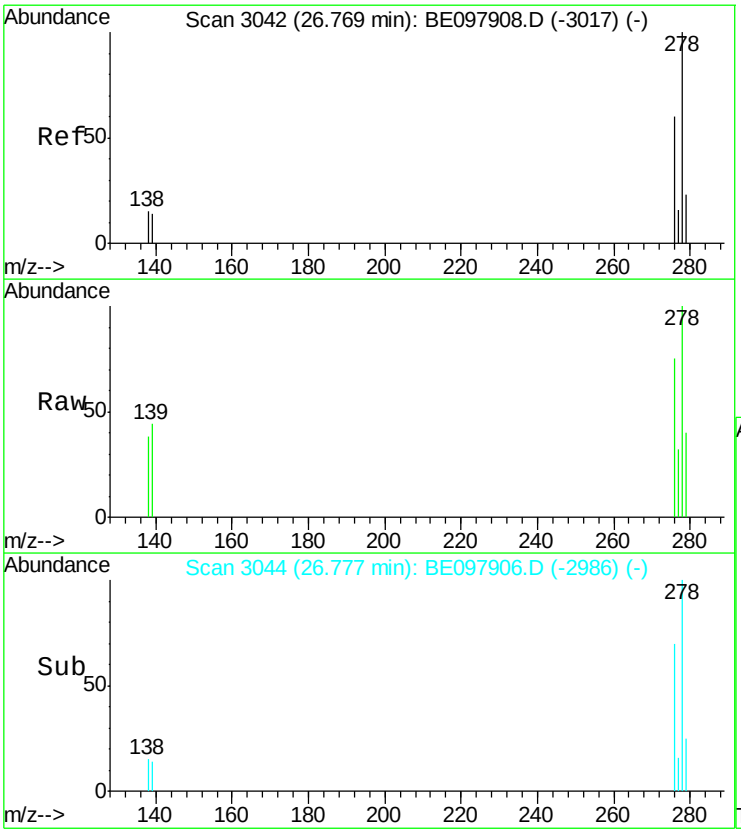
#37
Benzo(a)pyrene
Concen: 0.119 ng
RT: 23.93 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4853

Ion	Ratio	Lower	Upper
252	100		
253	40.7	20.6	31.0#
125	56.3	15.6	23.4#

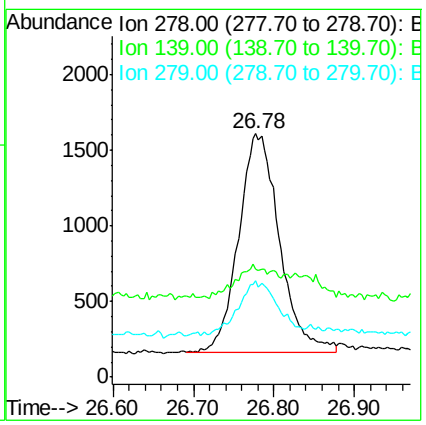


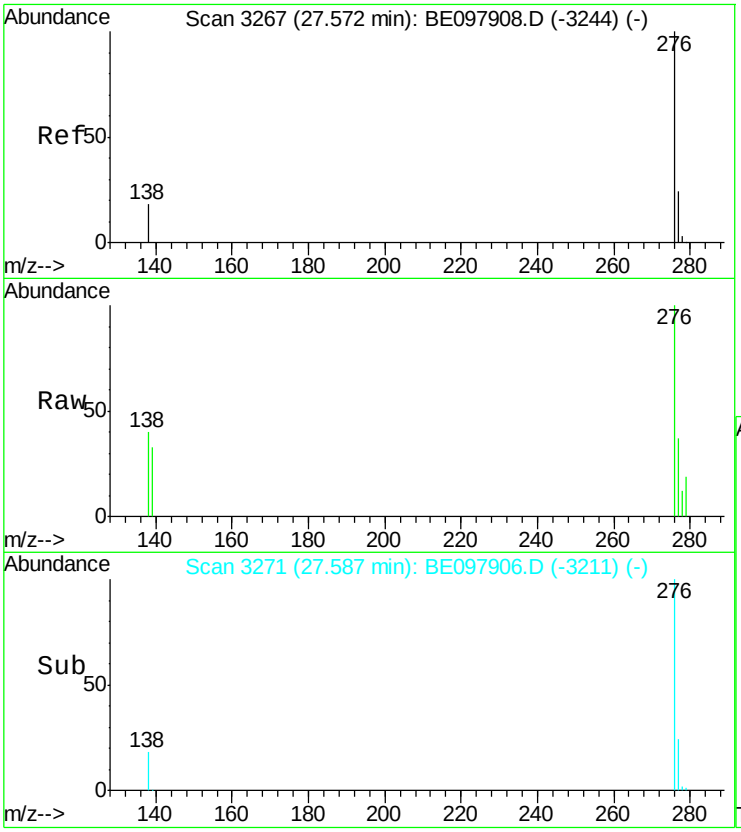


#38
Dibenzo(a,h)anthracene
Concen: 0.127 ng
RT: 26.78 min Scan# 3044
Delta R.T. 0.01 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Tgt Ion:278 Resp: 5112

Ion	Ratio	Lower	Upper
278	100		
139	44.5	16.3	24.5#
279	39.8	21.4	32.2#





#39
Benzo(g,h,i)perylene
Concen: 0.134 ng
RT: 27.59 min Scan# 3271
Delta R.T. 0.02 min
Lab File: BE097906.D
Acq: 16 Oct 2018 12:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5671

Ion	Ratio	Lower	Upper
276	100		
277	37.2	22.1	33.1#
138	40.2	19.3	28.9#