Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100518\
Data File : BE097785.D
Acq On : 6 Oct 2018 10:40
Operator : SJ/JU
Sample : PB113550BSD
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB113550BSD

Quant Time: Oct 08 06:39:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4935	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	18615	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	8862	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	19929	0.40	ng		-0.01
27) Chrysene-d12	21.47	240	22383	0.40	ng		-0.01
34) Perylene-d12	24.02	264	24891	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	5002	0.43	ng		0.00
5) Phenol-d6	7.04	99	6804	0.38	ng		0.00
8) Nitrobenzene-d5	9.04	82	4657	0.77	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	14701	0.50	ng		-0.02
14) 2,4,6-Tribromophenol	16.03	330	715	0.45	ng		-0.01
15) 2-Fluorobiphenyl	13.17	172	16520	0.42	ng		-0.02
25) Fluoranthene-d10	19.33	212	92514	0.37	ng		0.00
29) Terphenyl-d14	19.92	244	16649	0.36	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	3662	0.372	ng	#	91
3) n-Nitrosodimethylamine	3.70	42	3576	0.400	ng		88
6) bis(2-Chloroethyl)ether	7.31	93	6641	0.359	ng		100
9) Naphthalene	10.73	128	77676	0.414	ng		100
10) Hexachlorobutadiene	11.03	225	3800	0.382	ng		98
12) 2-Methylnaphthalene	12.37	142	12294	0.409	ng		100
16) Acenaphthylene	14.27	152	15414	0.393	ng		99
17) Acenaphthene	14.61	154	9819	0.391	ng		96
18) Fluorene	15.59	166	12895	0.386	ng		99
20) 4-Bromophenyl-phenylether	16.49	248	4141	0.396	ng		96
21) Hexachlorobenzene	16.59	284	4392	0.373	ng		97
22) Pentachlorophenol	16.94	266	1631	0.884	ng		95
23) Phenanthrene	17.34	178	21805	0.425	ng		100
24) Anthracene	17.42	178	18131	0.409	ng		99
26) Fluoranthene	19.35	202	24930	0.381	ng		100
28) Pyrene	19.72	202	24944	0.439	ng		99
30) Benzo(a)anthracene	21.46	228	25234	0.419	ng		98
31) Chrysene	21.51	228	28925	0.430	ng		98
32) Bis(2-ethylhexyl)phthalate	21.40	149	20922	0.475	ng		99
33) Indeno(1,2,3-cd)pyrene	26.71	276	34451	0.590	ng	#	89
35) Benzo(b)fluoranthene	23.24	252	27658	0.405	ng		99
36) Benzo(k)fluoranthene	23.30	252	30424	0.402	ng		98
37) Benzo(a)pyrene	23.91	252	25504	0.412	ng		98
38) Dibenzo(a,h)anthracene	26.74	278	29154	0.479	ng		97
39) Benzo(g,h,i)perylene	27.53	276	31078	0.488	ng		99

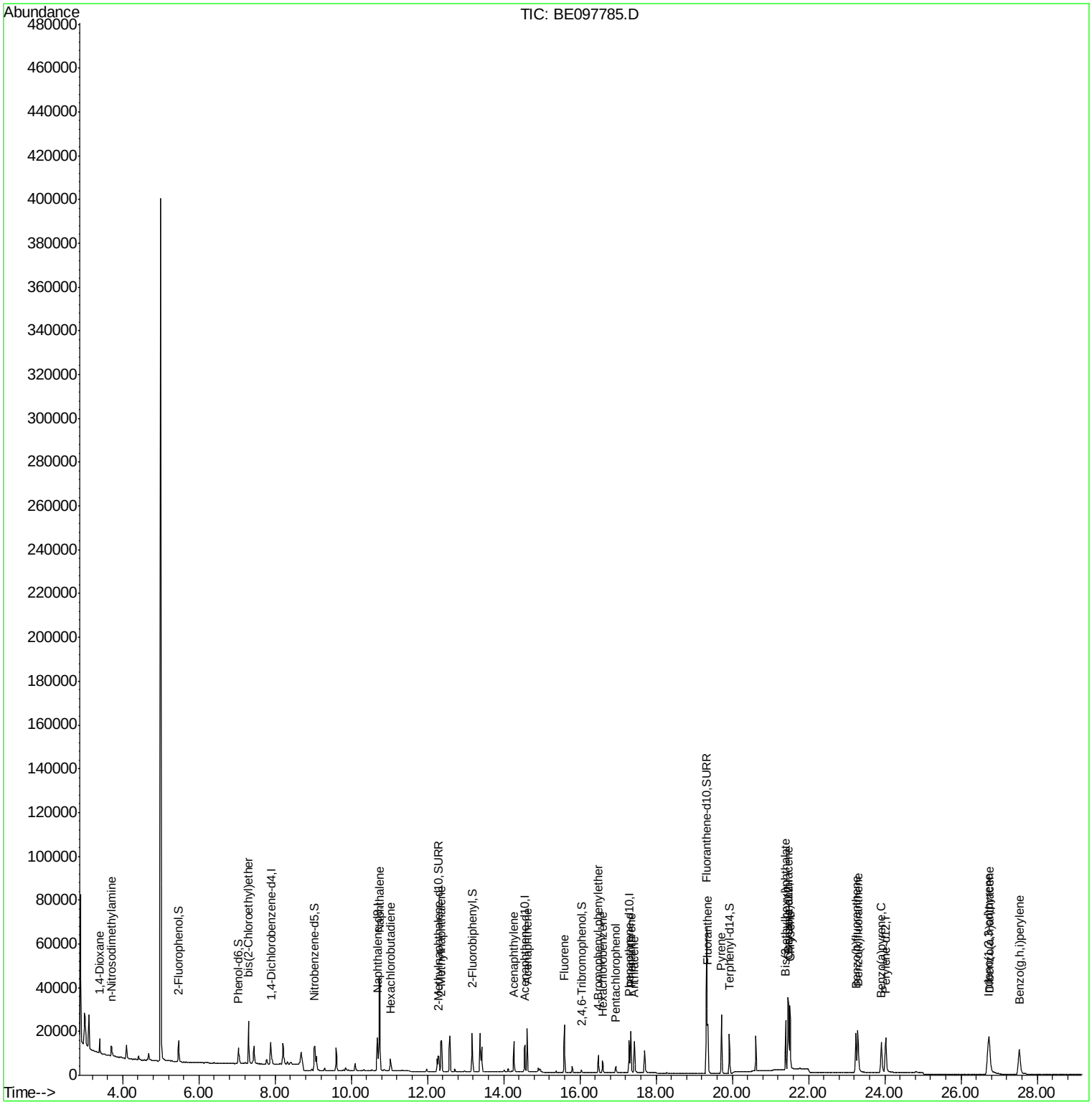
(#) = qualifier out of range (m) = manual integration (+) = signals summed

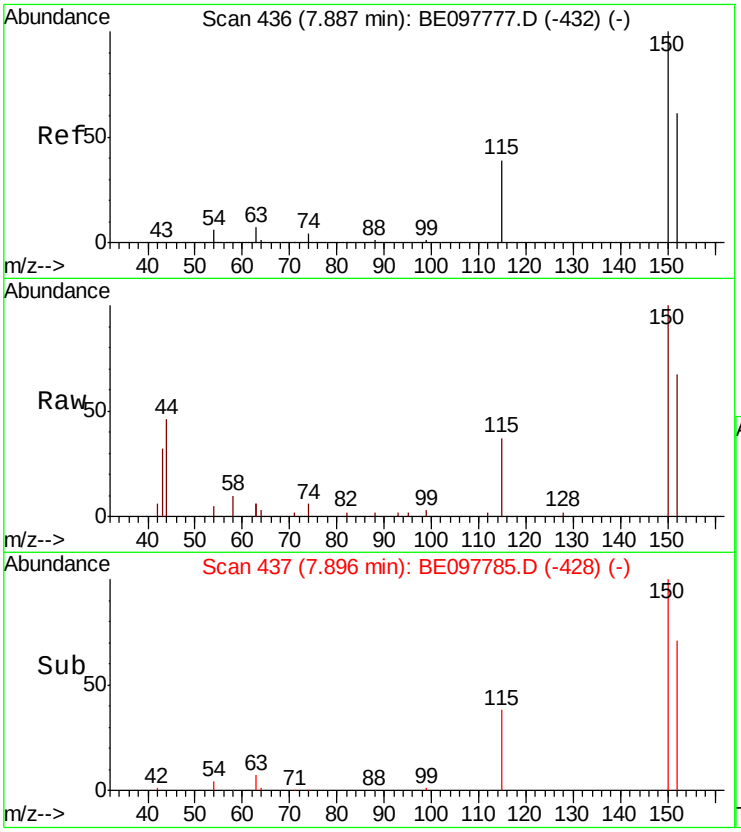
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100518\
Data File : BE097785.D
Acq On : 6 Oct 2018 10:40
Operator : SJ/JU
Sample : PB113550BSD
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Quant Time: Oct 08 06:39:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration



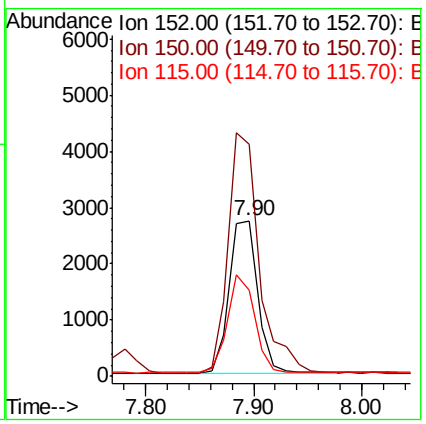


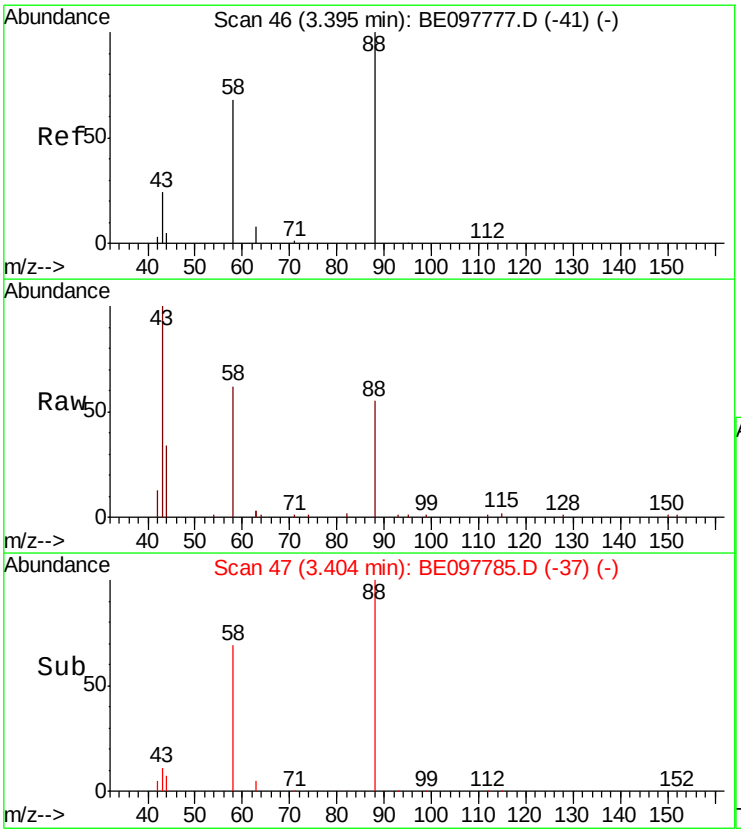
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:152 Resp: 4935

Ion	Ratio	Lower	Upper
152	100		
150	148.5	120.9	181.3
115	55.6	46.6	69.8

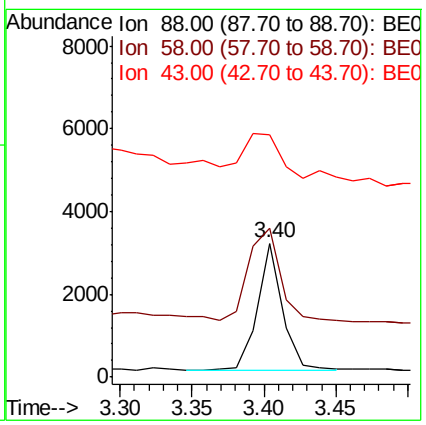


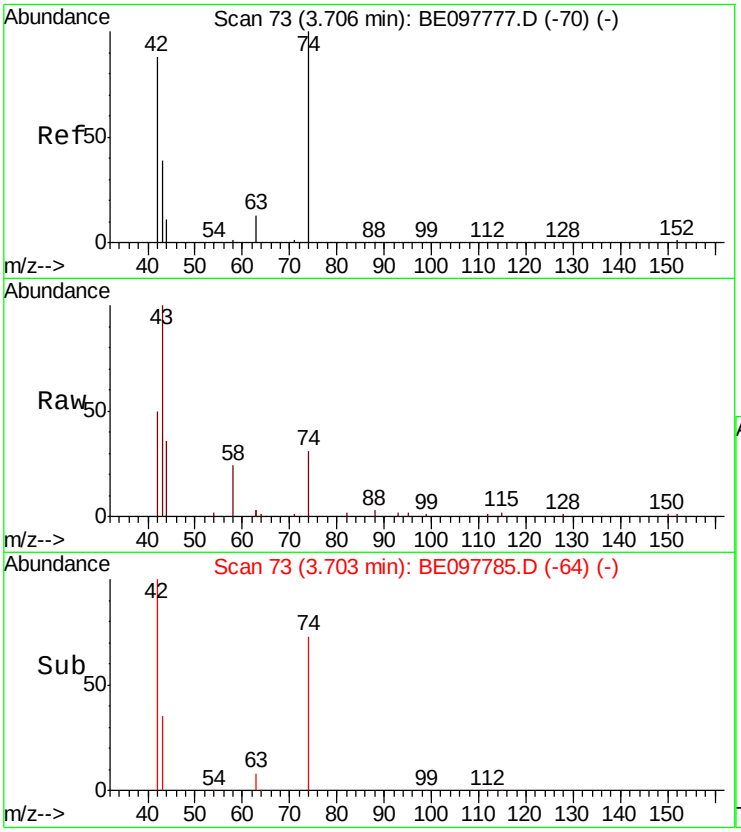


#2
1,4-Dioxane
Concen: 0.372 ng
RT: 3.40 min Scan# 47
Delta R.T. 0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion: 88 Resp: 3662

Ion	Ratio	Lower	Upper
88	100		
58	93.1	70.8	106.2
43	53.4	33.3	49.9#



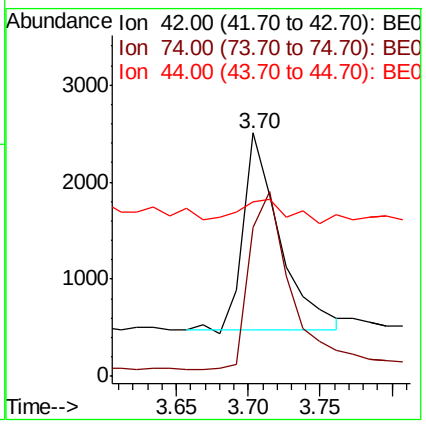


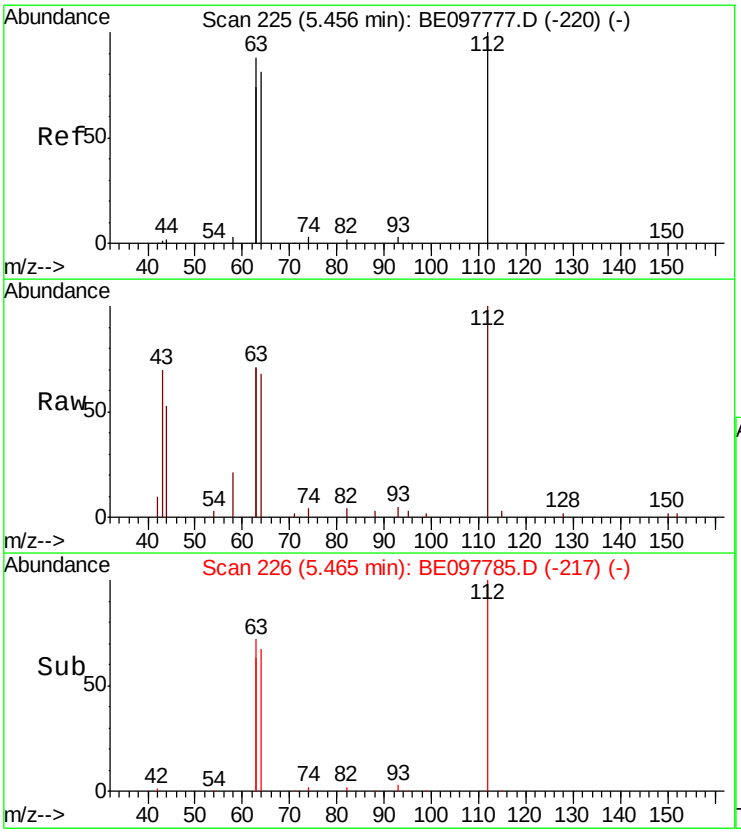
#3
n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.70 min Scan# 73
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion: 42 Resp: 3576

Ion	Ratio	Lower	Upper
42	100		
74	100.6	70.7	106.1
44	16.9	15.0	22.4

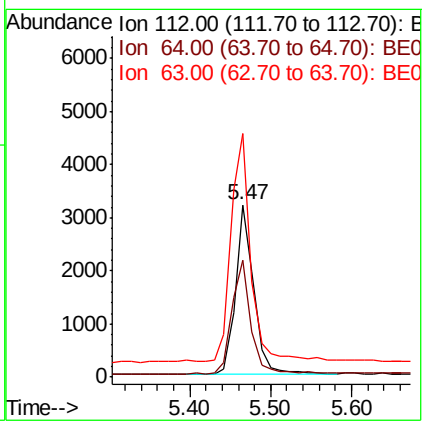


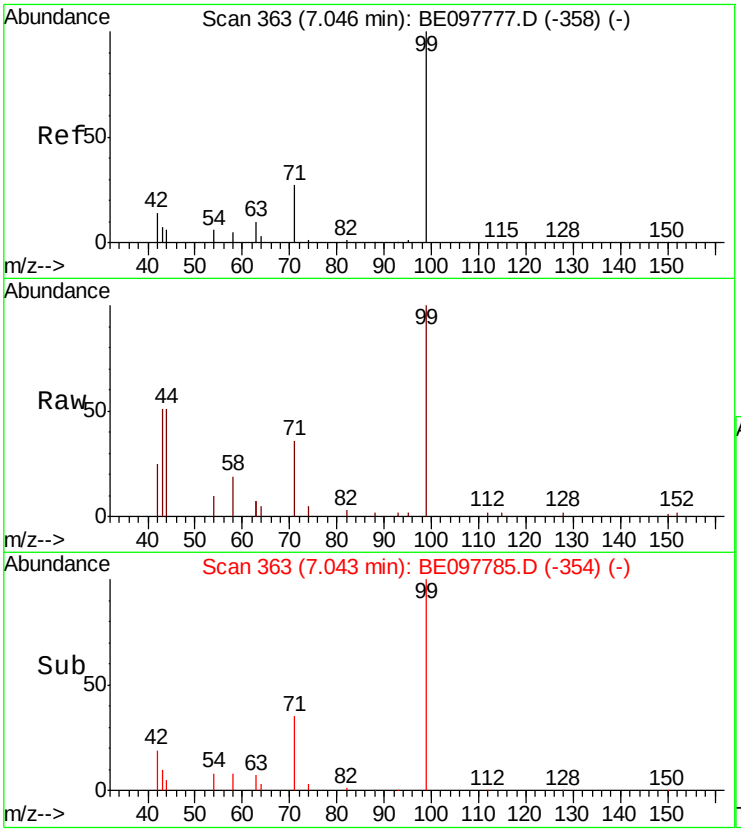


#4
2-Fluorophenol
Concen: 0.428 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:112 Resp: 5002

Ion	Ratio	Lower	Upper
112	100		
64	70.0	56.6	84.8
63	147.7	119.4	179.0



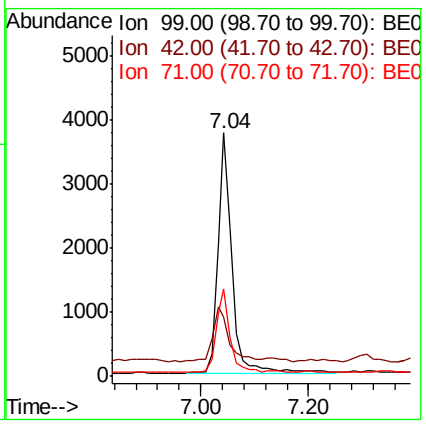


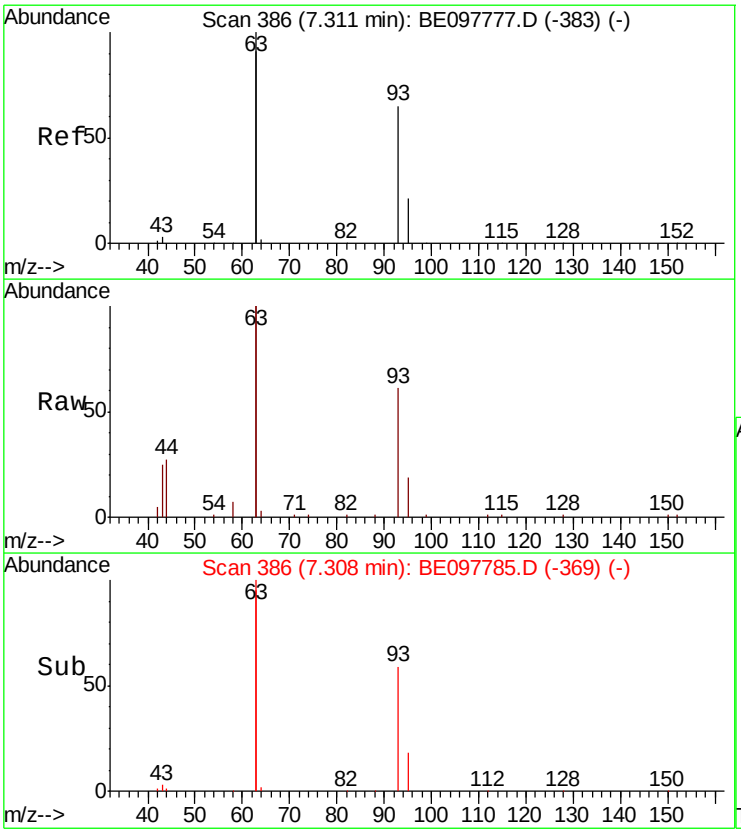
#5
Phenol-d6
Concen: 0.380 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion: 99 Resp: 6804

Ion	Ratio	Lower	Upper
99	100		
42	25.8	19.9	29.9
71	34.0	25.4	38.2

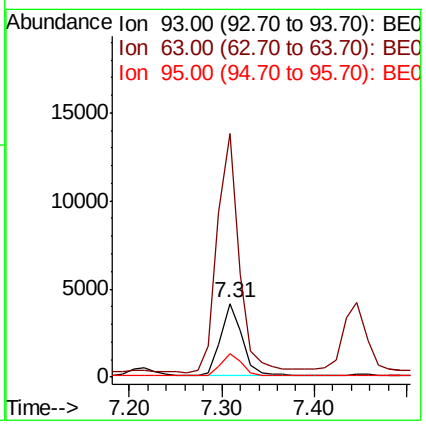


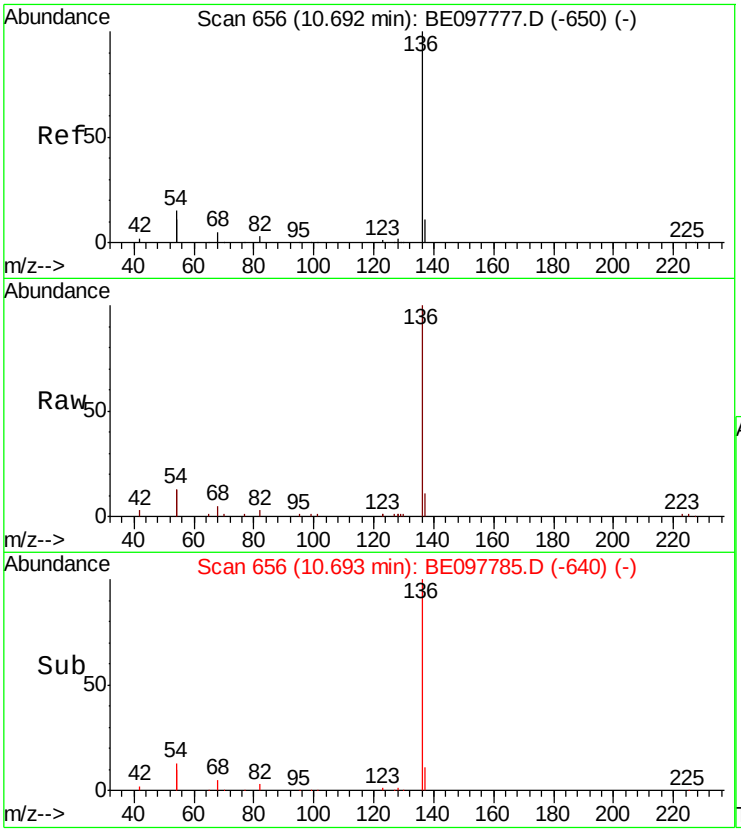


#6
bis(2-Chloroethyl)ether
Concen: 0.359 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion: 93 Resp: 6641

Ion	Ratio	Lower	Upper
93	100		
63	334.1	266.9	400.3
95	31.4	26.2	39.2



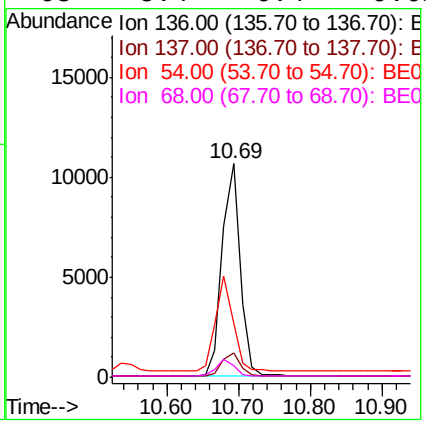


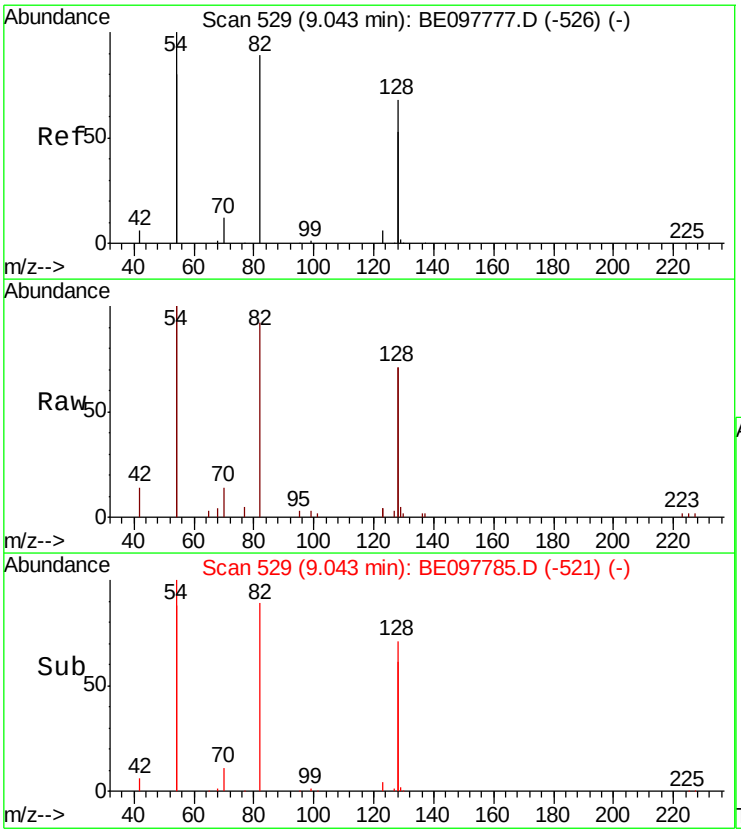
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:136 Resp: 18615

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	25.3	37.8	56.6#
68	5.4	6.4	9.6#

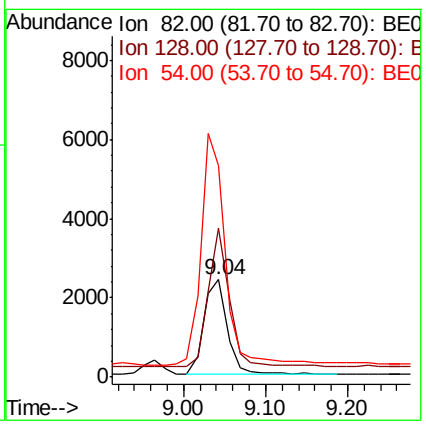


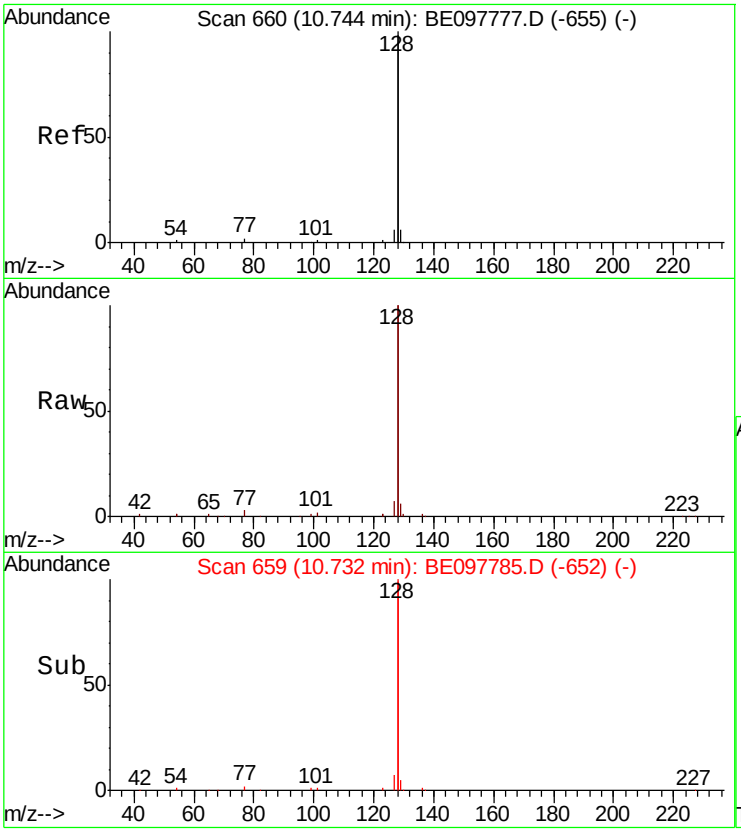


#8
Nitrobenzene-d5
Concen: 0.771 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion: 82 Resp: 4657

Ion	Ratio	Lower	Upper
82	100		
128	152.9	97.0	145.4#
54	216.7	206.9	310.3



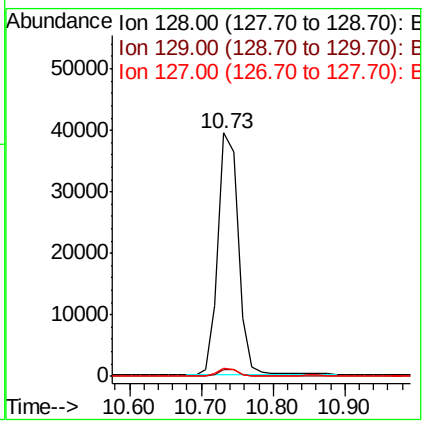


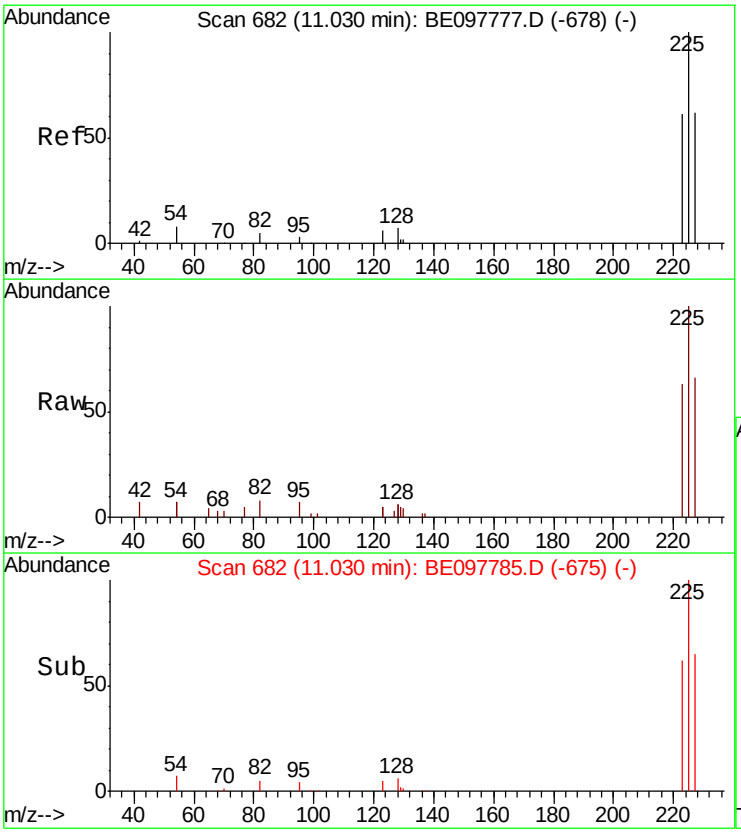
#9
Naphthalene
Concen: 0.414 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:128 Resp: 77676

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.2
127	3.4	2.7	4.1

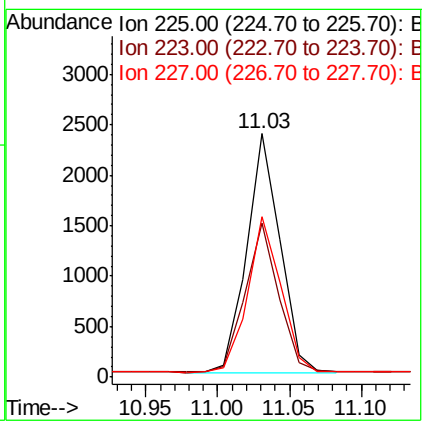


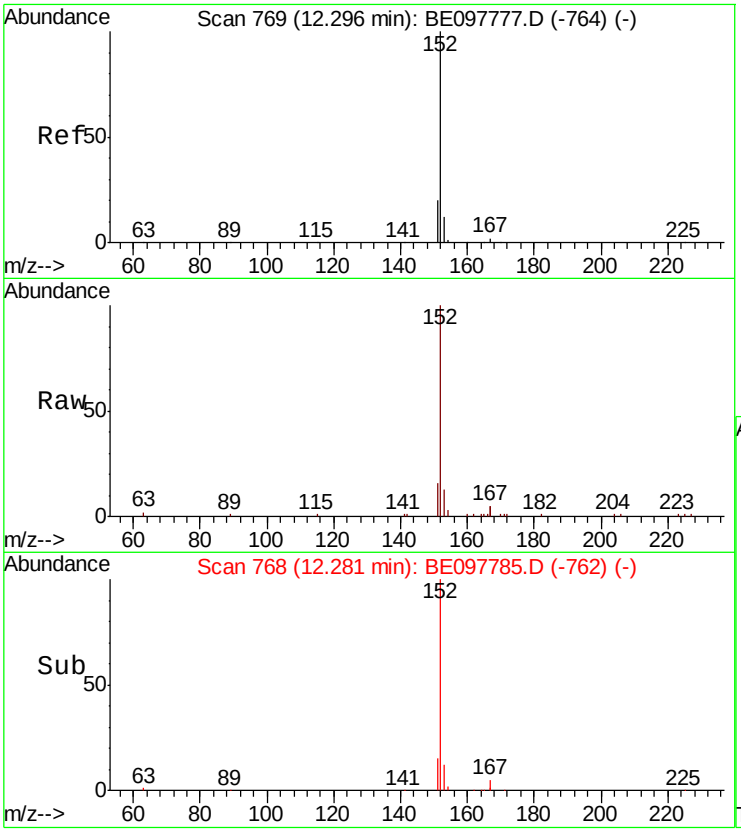


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:225 Resp: 3800

Ion	Ratio	Lower	Upper
225	100		
223	62.9	52.2	78.4
227	64.9	51.2	76.8



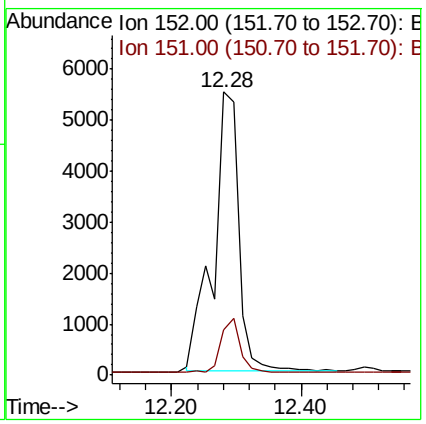


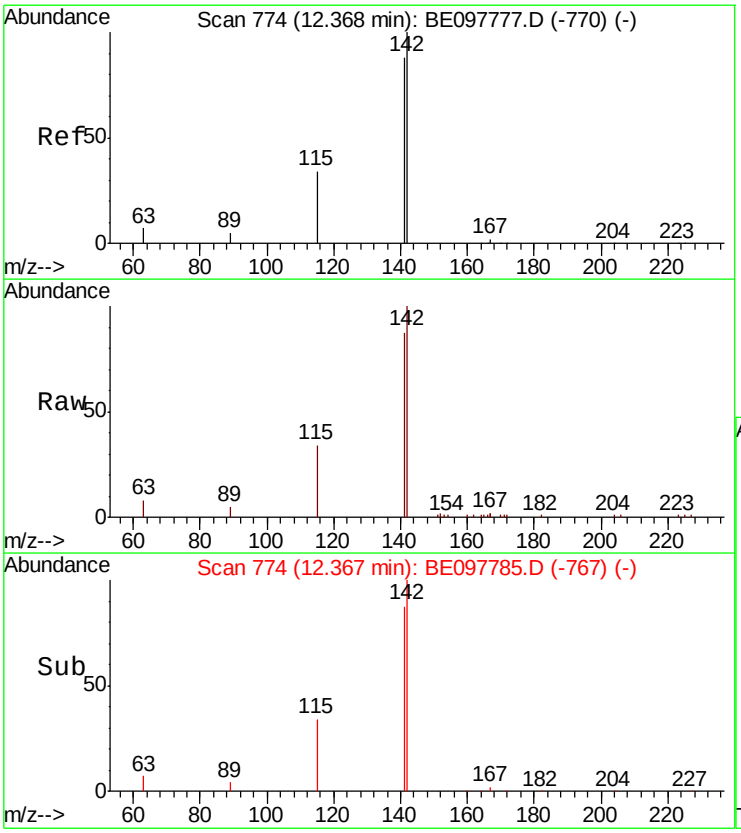
#11
2-Methylnaphthalene-d10
Concen: 0.496 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:152 Resp: 14701

Ion	Ratio	Lower	Upper
152	100		
151	14.7	15.4	23.2#

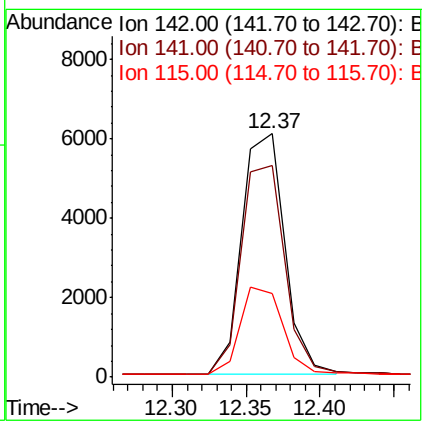


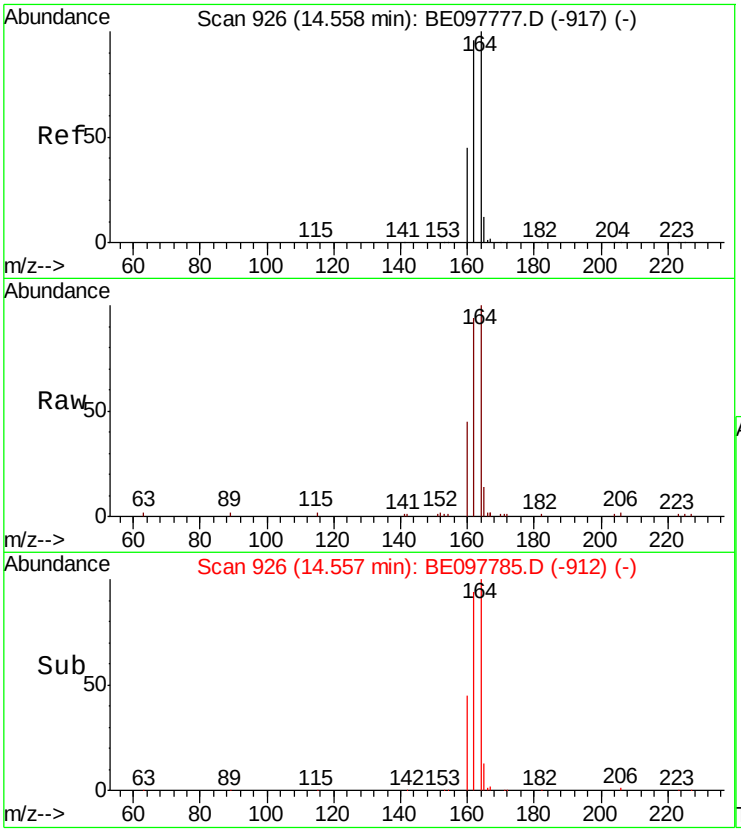


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:142 Resp: 12294

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.4	104.2
115	34.4	28.0	42.0



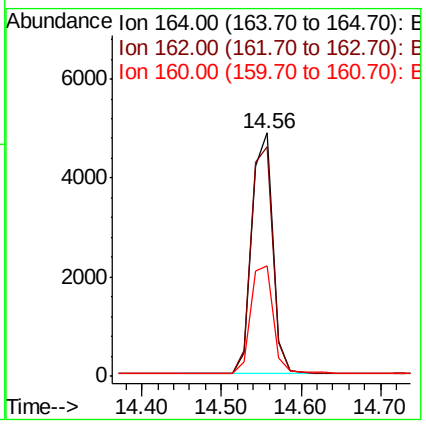


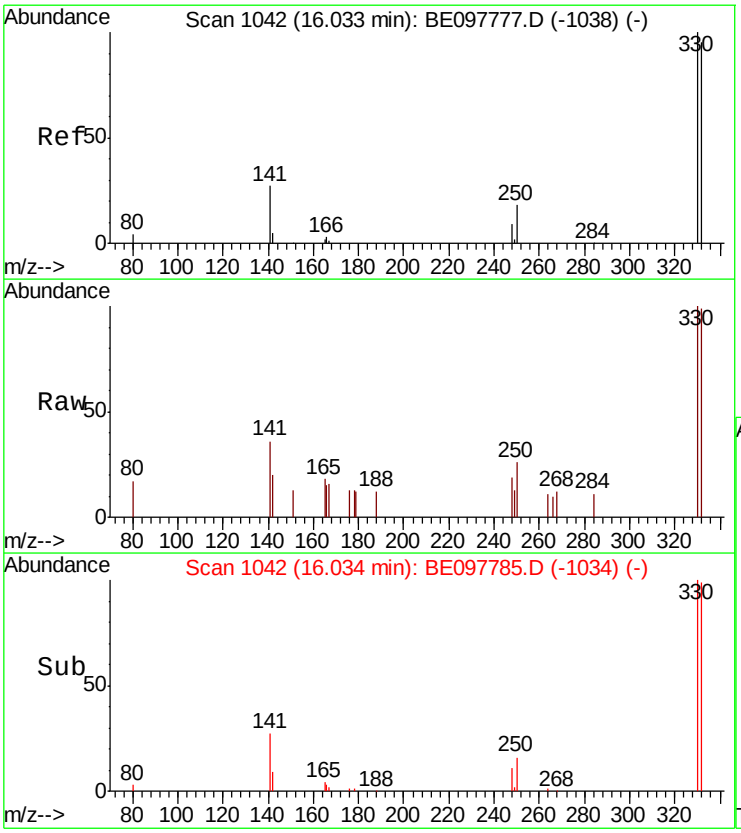
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:164 Resp: 8862

Ion	Ratio	Lower	Upper
164	100		
162	94.0	78.6	117.8
160	45.5	37.8	56.6

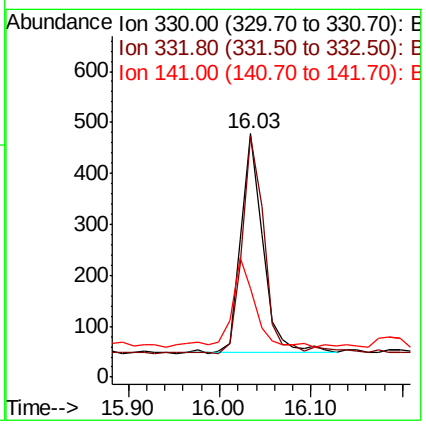


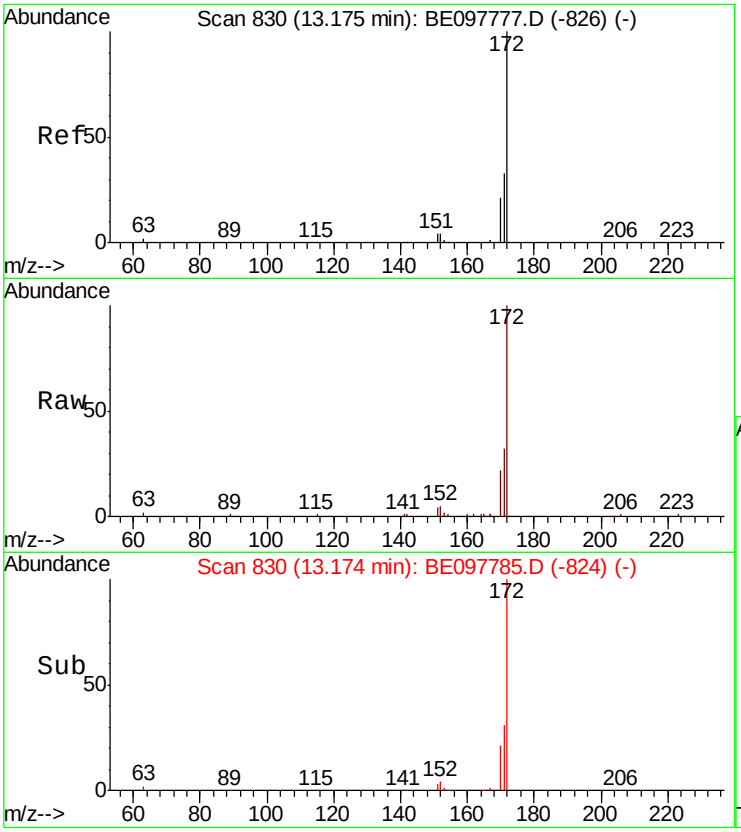


#14
2,4,6-Tribromophenol
Concen: 0.445 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:330 Resp: 715

Ion	Ratio	Lower	Upper
330	100		
332	99.0	83.5	125.3
141	41.8	34.9	52.3



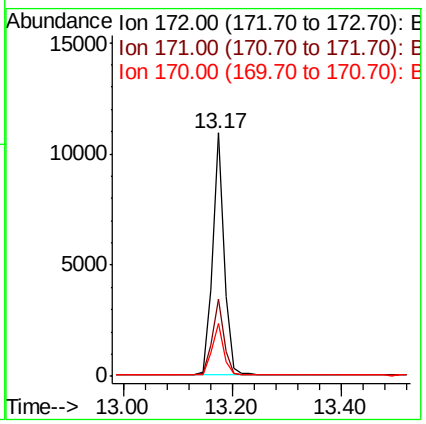


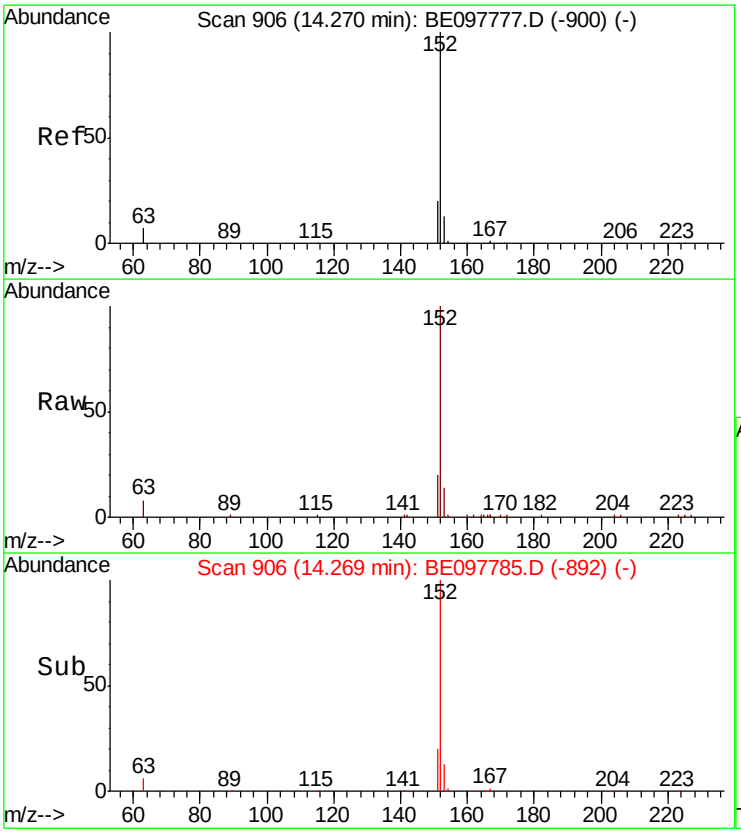
#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:172 Resp: 16520

Ion	Ratio	Lower	Upper
172	100		
171	31.5	25.2	37.8
170	21.6	16.2	24.2

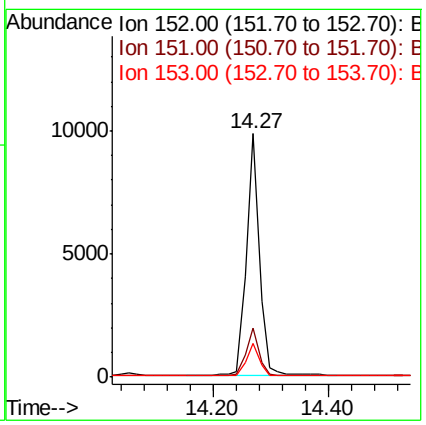


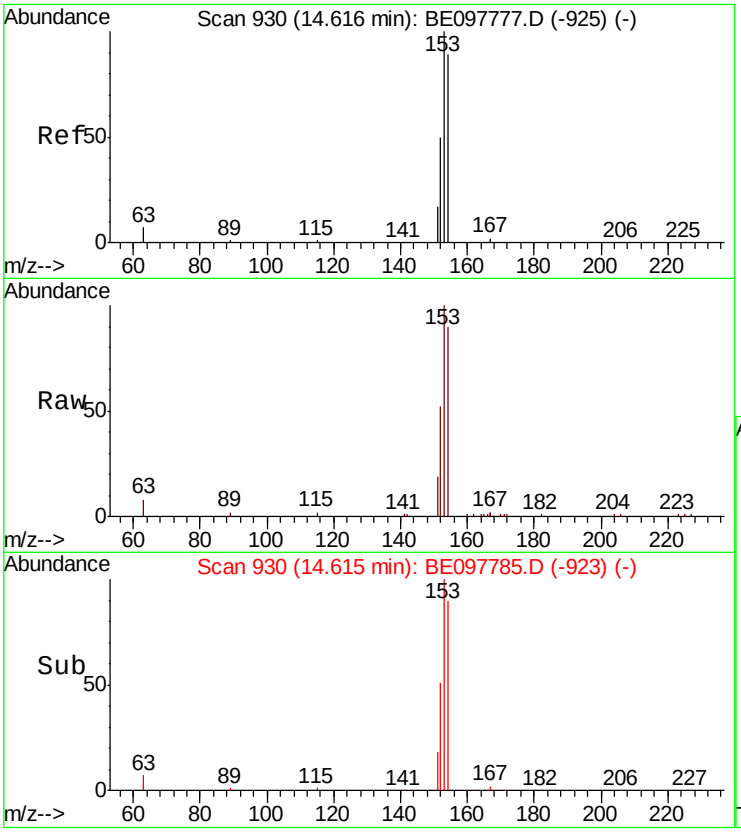


#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:152 Resp: 15414

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.3	22.9
153	13.6	10.8	16.2



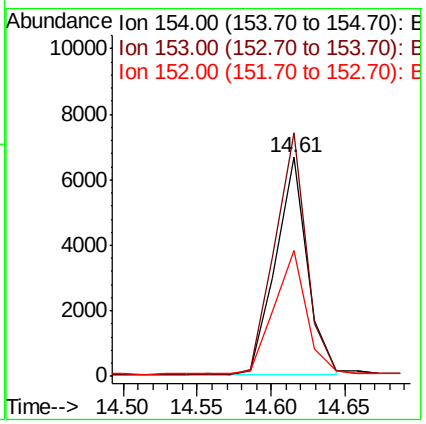


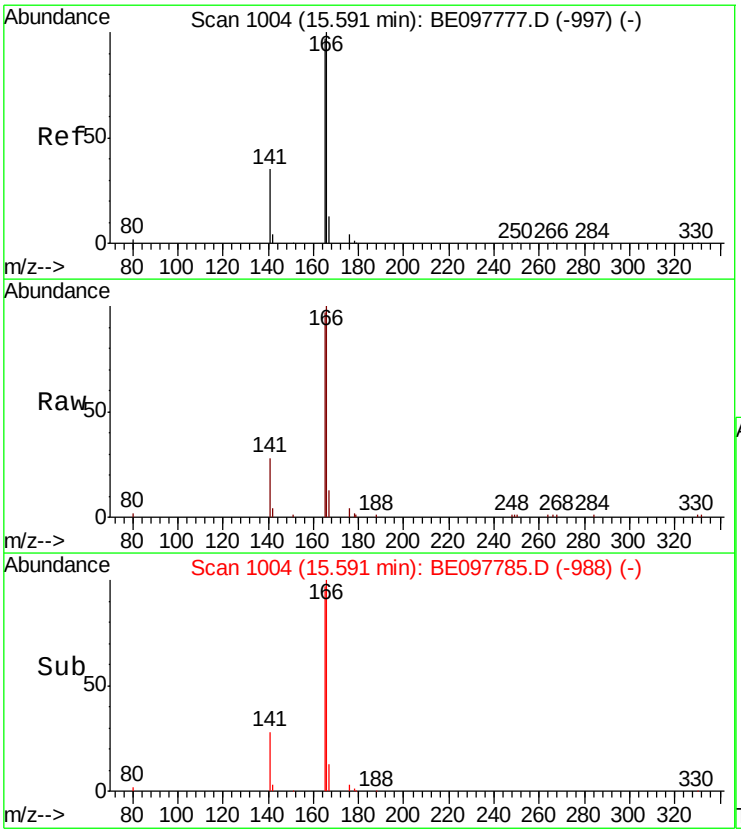
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:154 Resp: 9819

Ion	Ratio	Lower	Upper
154	100		
153	112.4	93.3	139.9
152	58.3	48.9	73.3

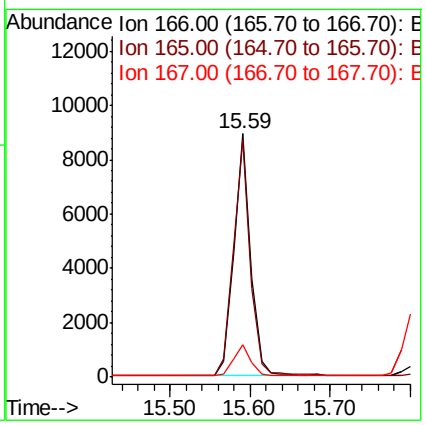


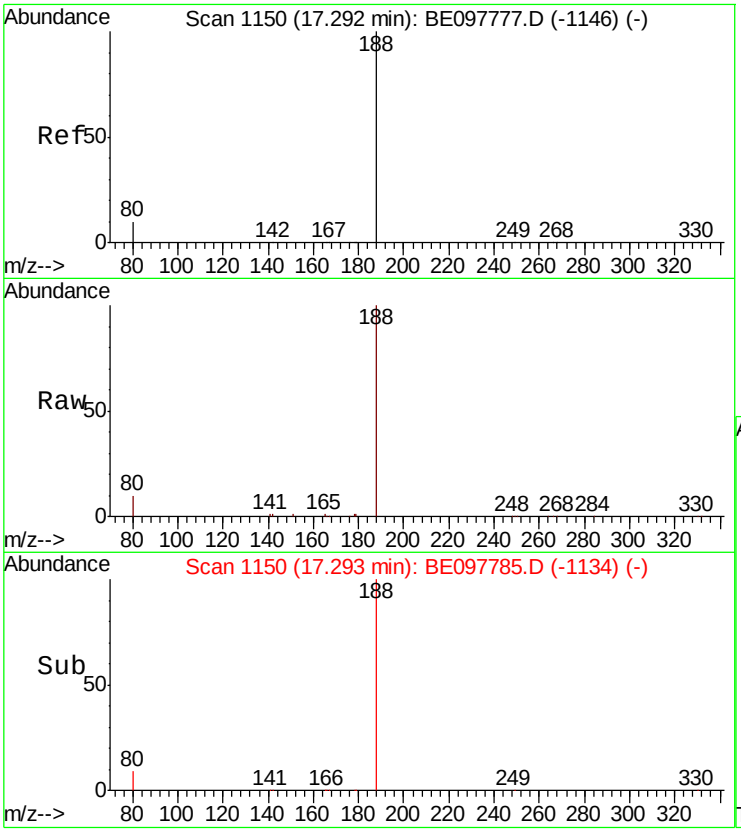


#18
Fluorene
Concen: 0.386 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:166 Resp: 12895

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.0	118.4
167	13.7	11.1	16.7



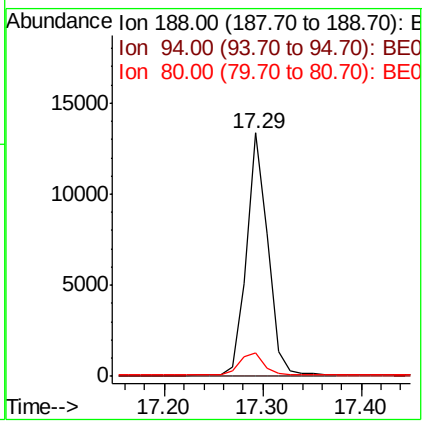


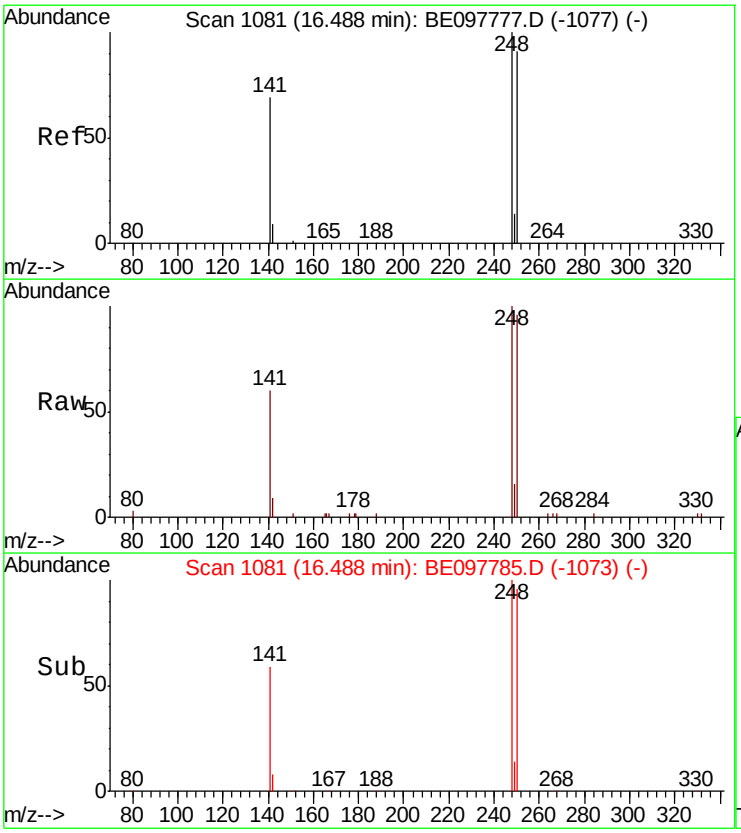
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:188 Resp: 19929

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	6.6	9.8

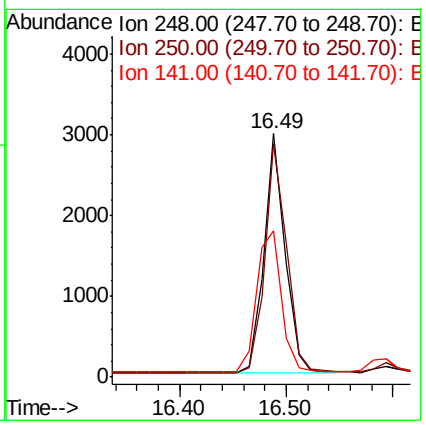


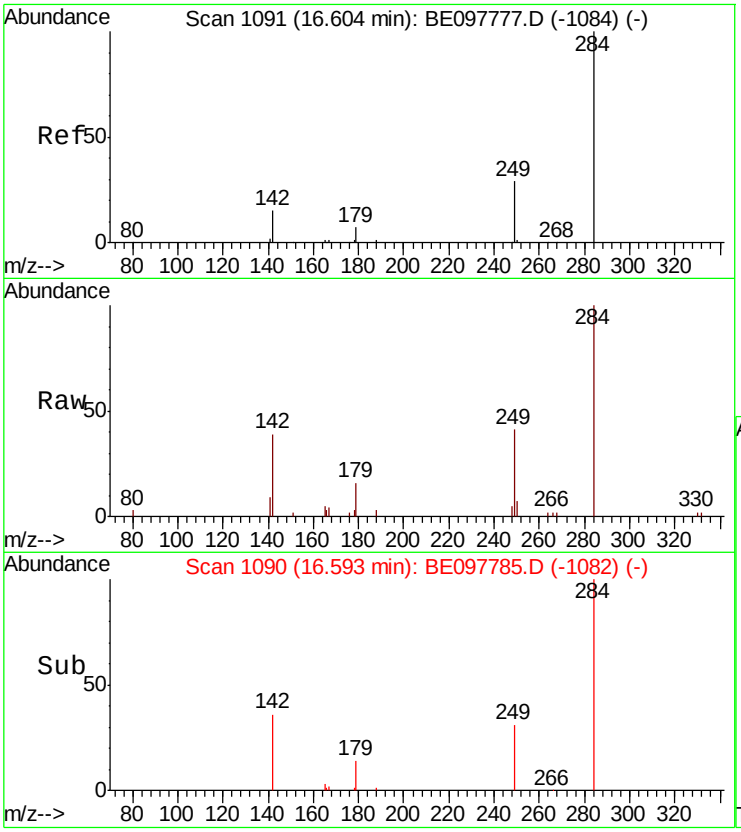


#20
4-Bromophenyl-phenylether
Concen: 0.396 ng
RT: 16.49 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:248 Resp: 4141

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.1	114.1
141	59.9	42.2	63.4



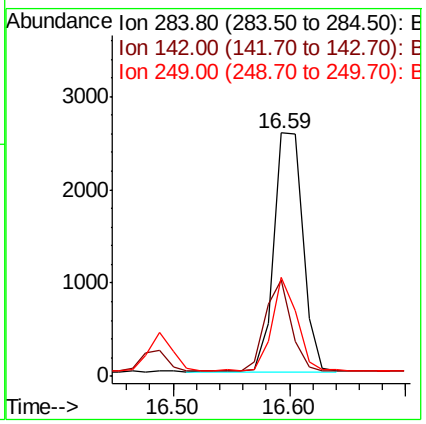


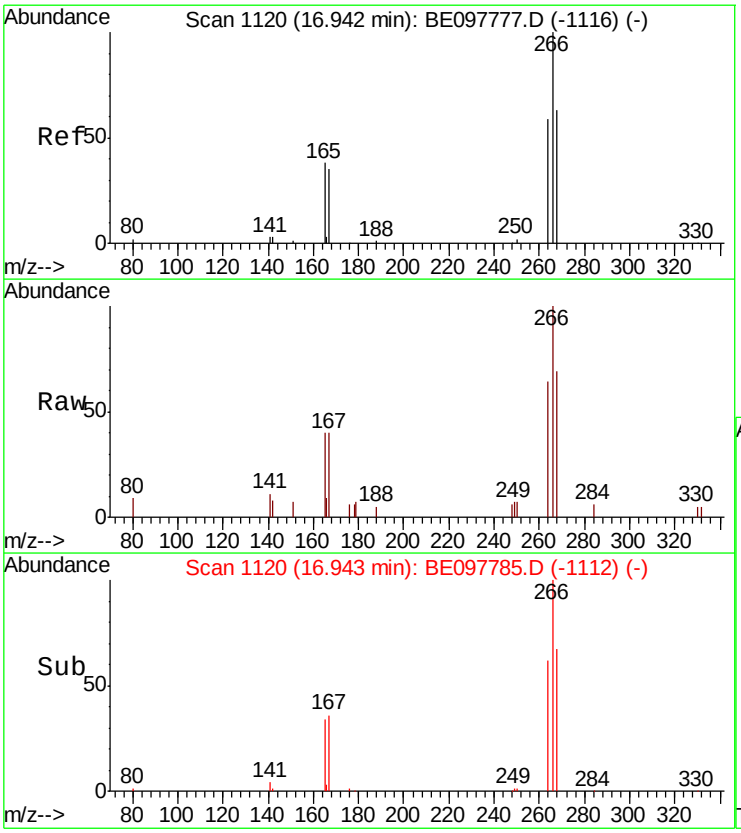
#21
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:284 Resp: 4392

Ion	Ratio	Lower	Upper
284	100		
142	33.8	24.9	37.3
249	33.4	25.8	38.8

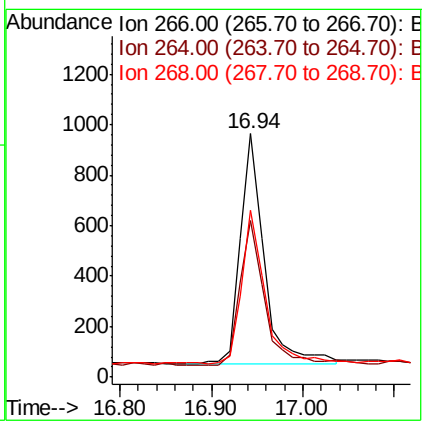


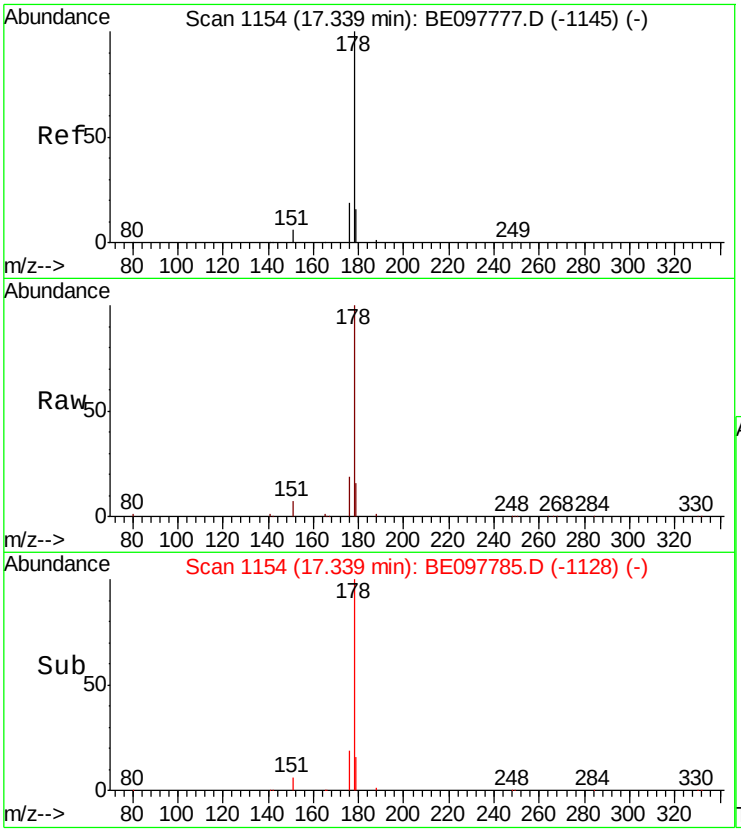


#22
Pentachlorophenol
Concen: 0.884 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:266 Resp: 1631

Ion	Ratio	Lower	Upper
266	100		
264	64.2	46.8	70.2
268	68.7	53.0	79.6



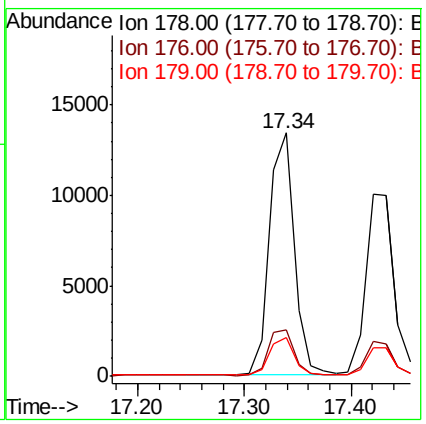


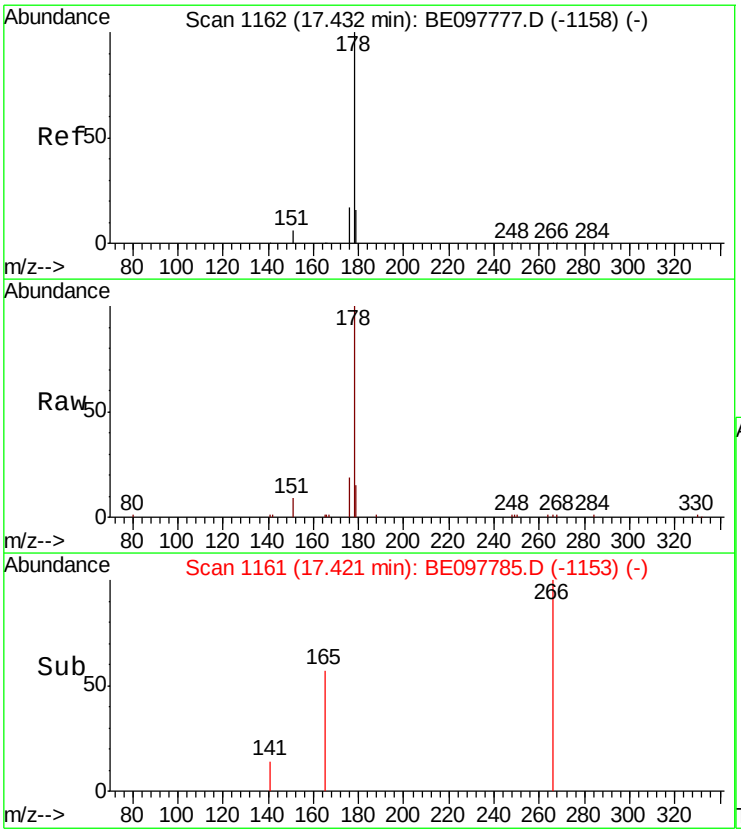
#23
Phenanthrene
Concen: 0.425 ng
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:178 Resp: 21805

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.2	18.4

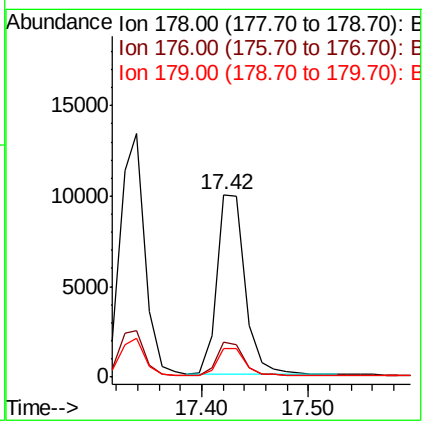


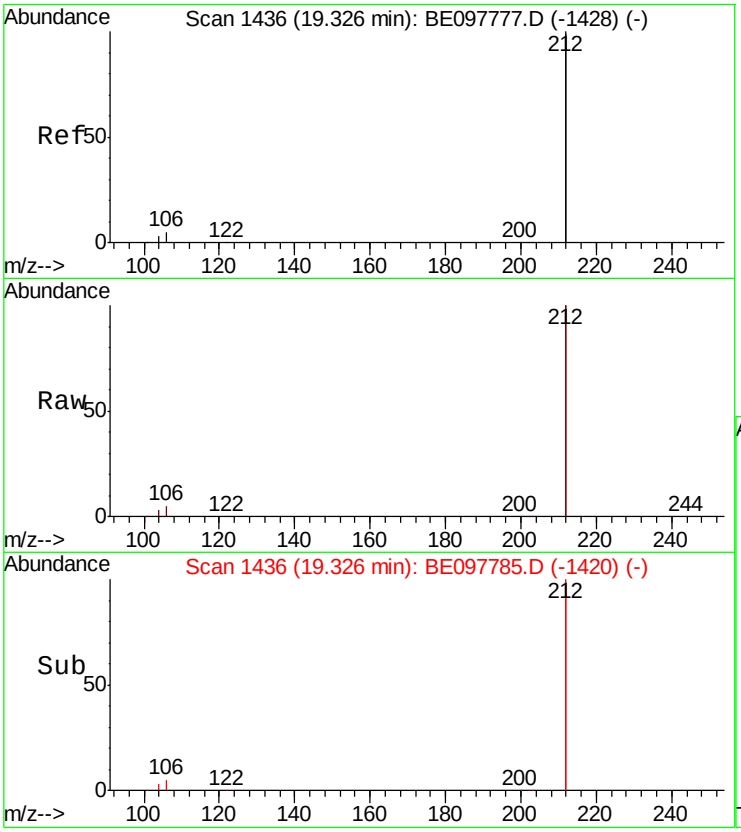


#24
Anthracene
Concen: 0.409 ng
RT: 17.42 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:178 Resp: 18131

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	14.7	12.2	18.2



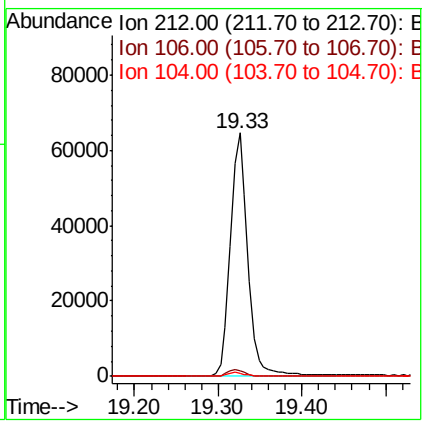


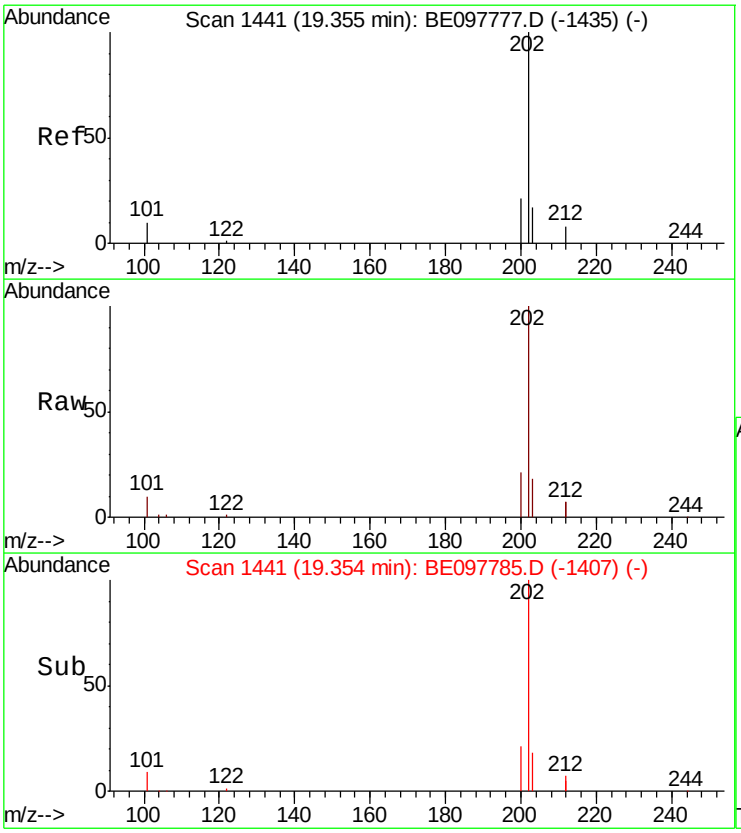
#25
Fluoranthene-d10
Concen: 0.367 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:212 Resp: 92514

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

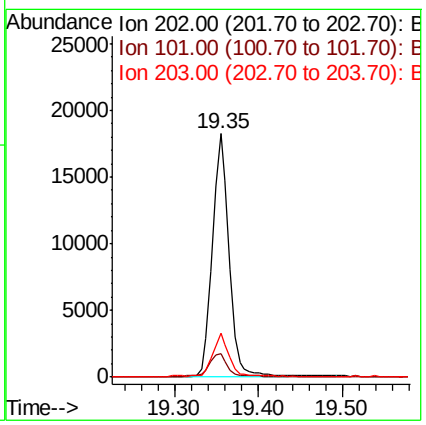


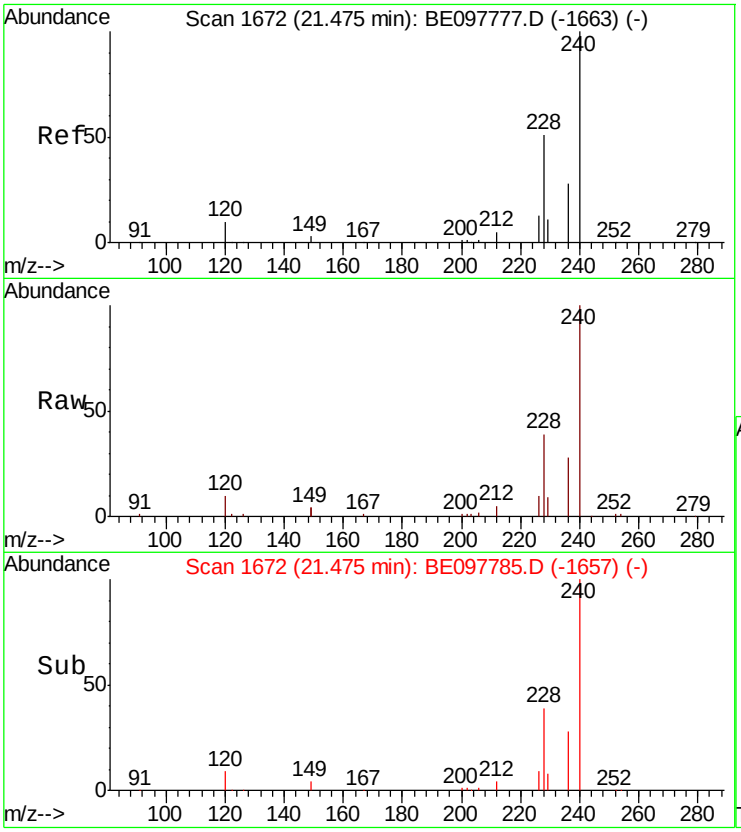


#26
Fluoranthene
Concen: 0.381 ng
RT: 19.35 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:202 Resp: 24930

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.8
203	17.0	13.8	20.6



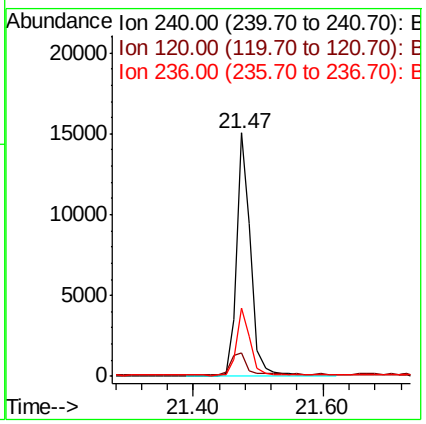


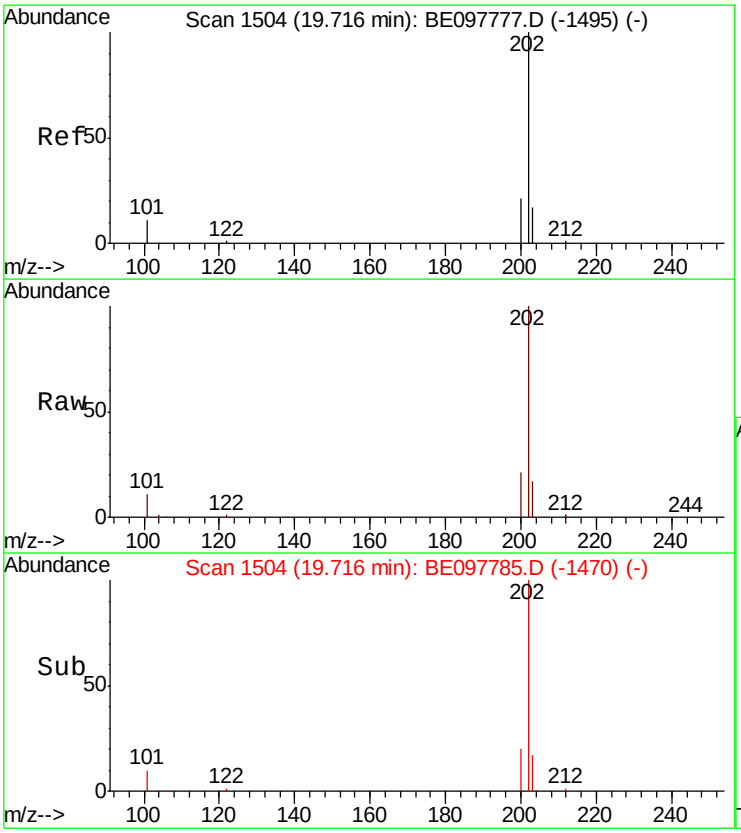
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:240 Resp: 22383

Ion	Ratio	Lower	Upper
240	100		
120	9.5	4.7	7.1#
236	27.8	20.8	31.2

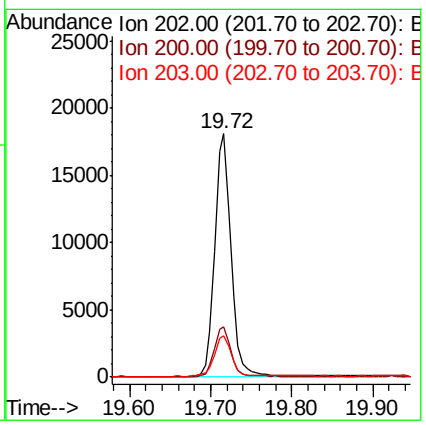


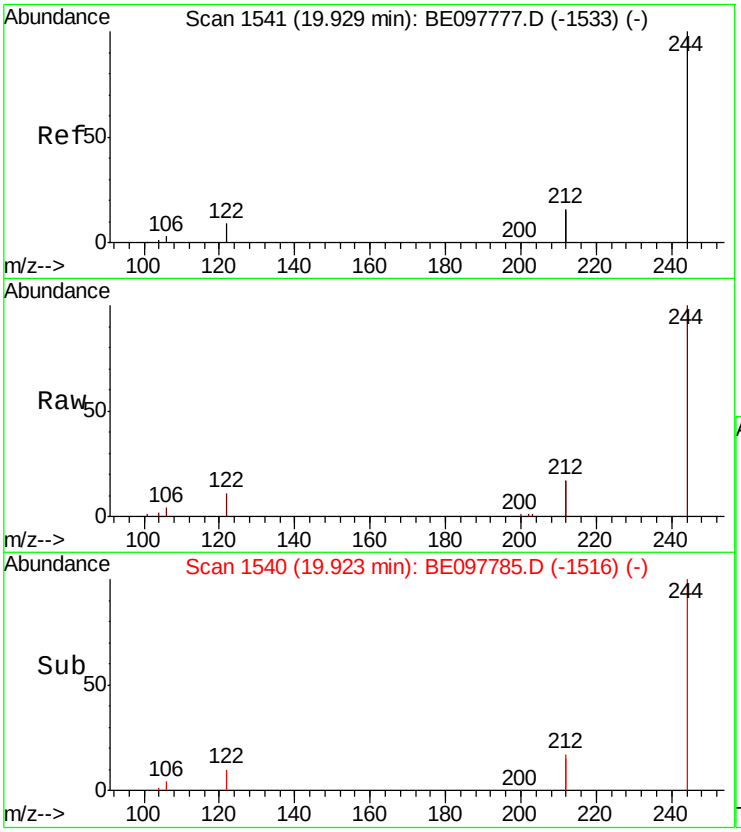


#28
Pyrene
Concen: 0.439 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:202 Resp: 24944

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.8	13.9	20.9



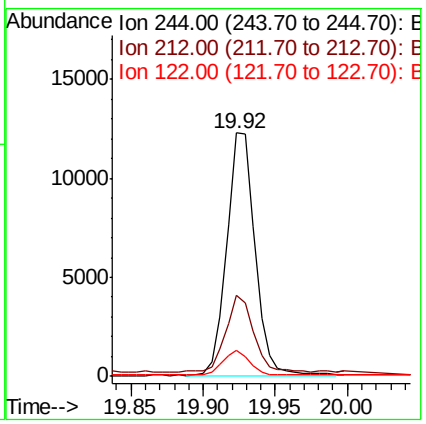


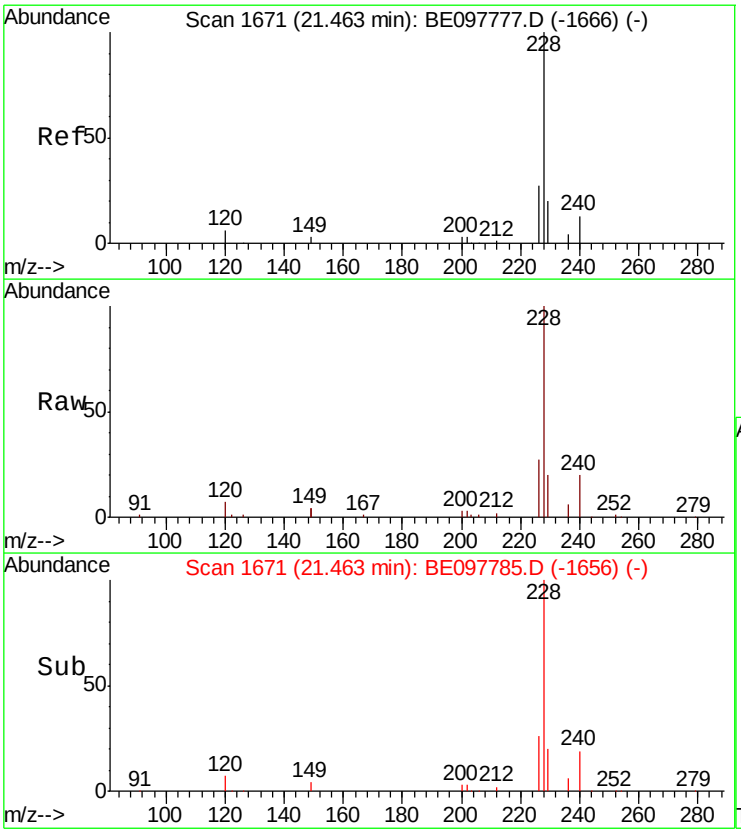
#29
Terphenyl-d14
Concen: 0.364 ng
RT: 19.92 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:244 Resp: 16649

Ion	Ratio	Lower	Upper
244	100		
212	33.4	25.8	38.8
122	10.9	8.7	13.1

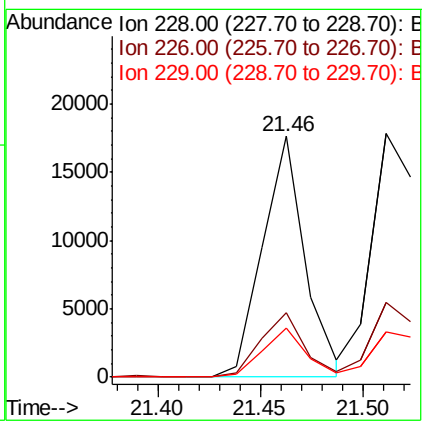


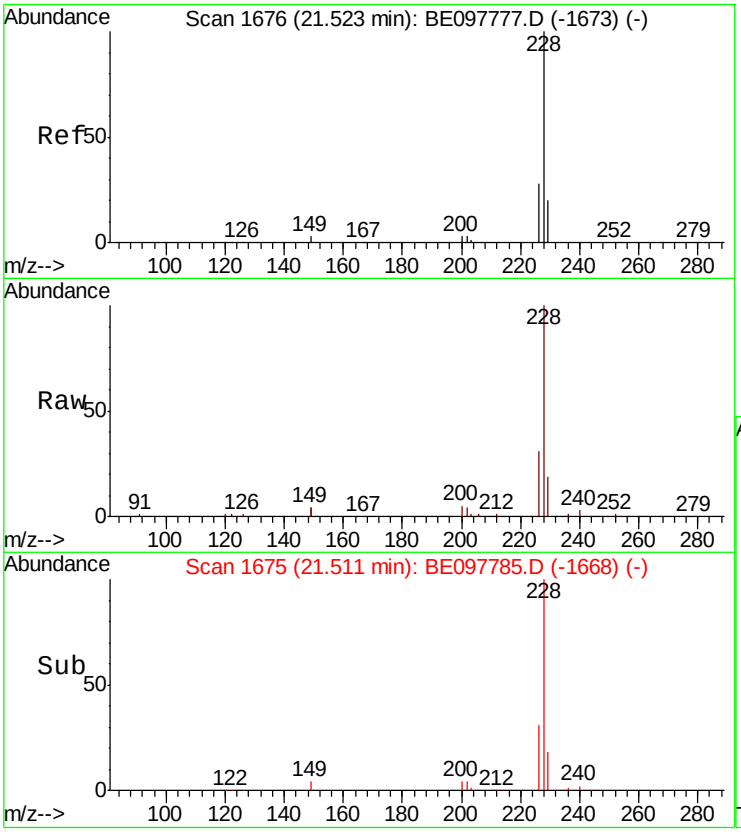


#30
Benzo(a)anthracene
Concen: 0.419 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:228 Resp: 25234

Ion	Ratio	Lower	Upper
228	100		
226	26.6	20.7	31.1
229	20.4	15.7	23.5



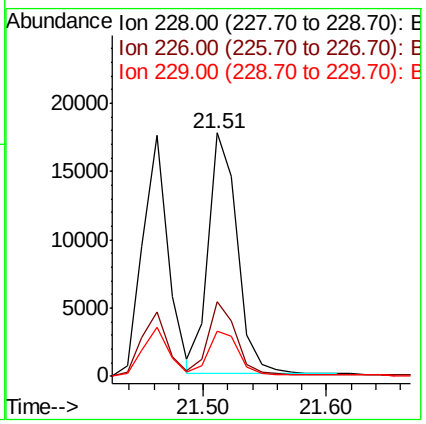


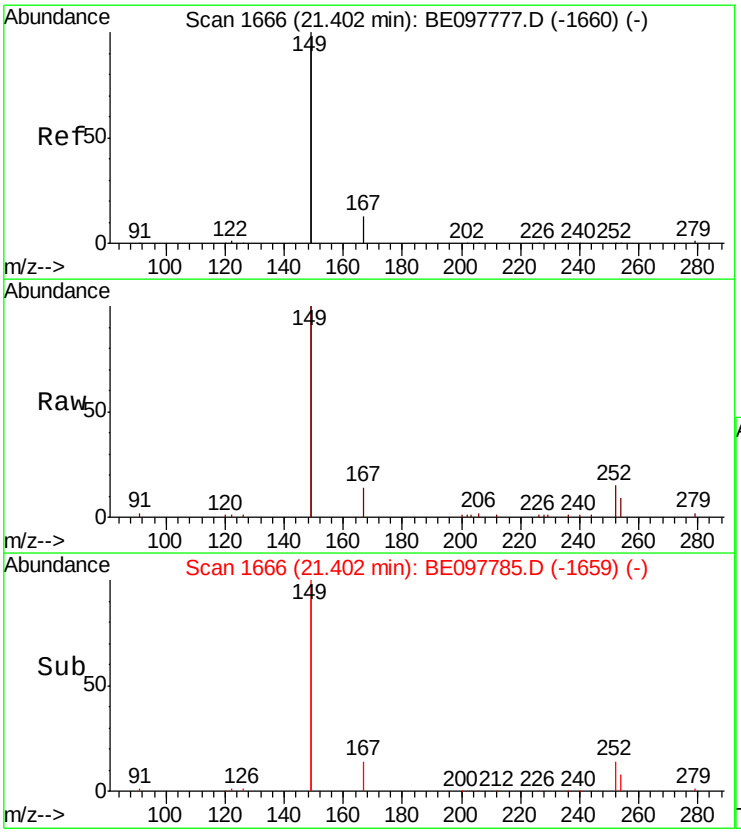
#31
Chrysene
Concen: 0.430 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:228 Resp: 28925

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	18.7	16.0	24.0

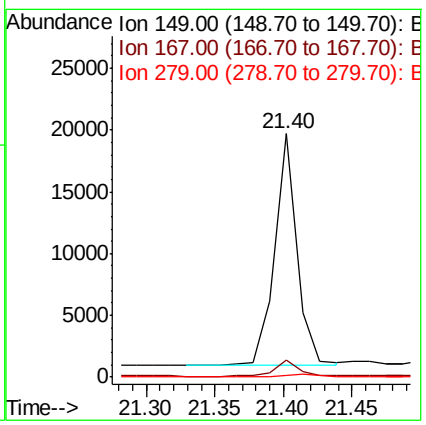


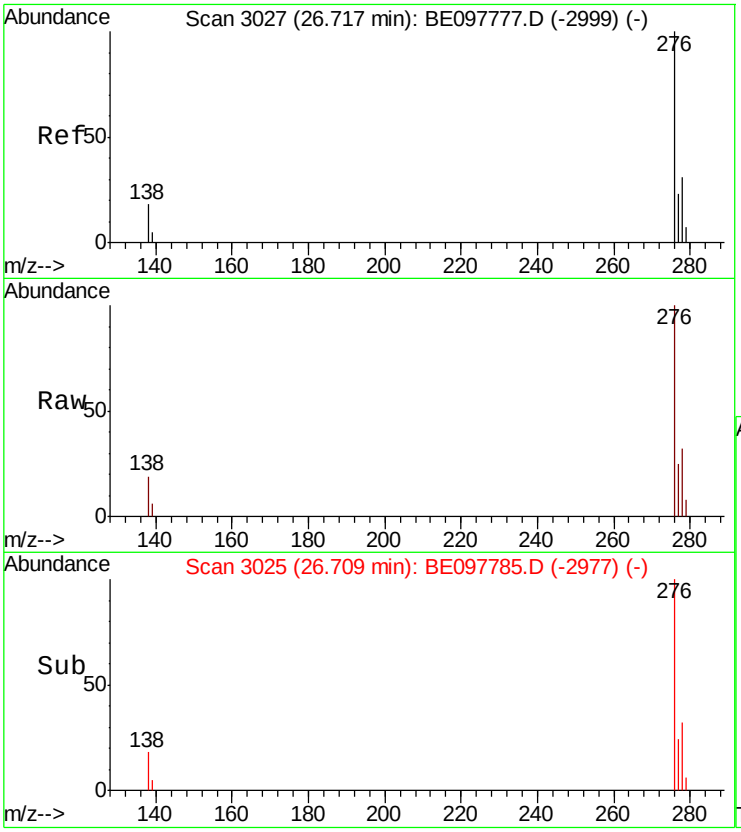


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.475 ng
RT: 21.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:149 Resp: 20922

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.5	8.3
279	1.1	0.9	1.3



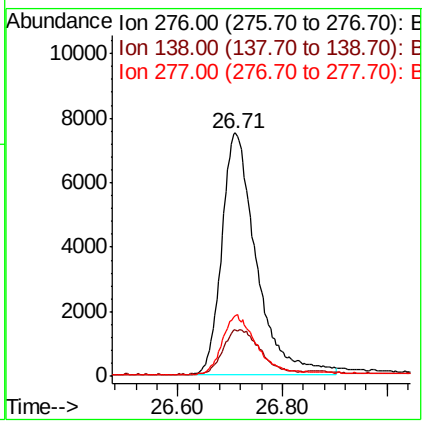


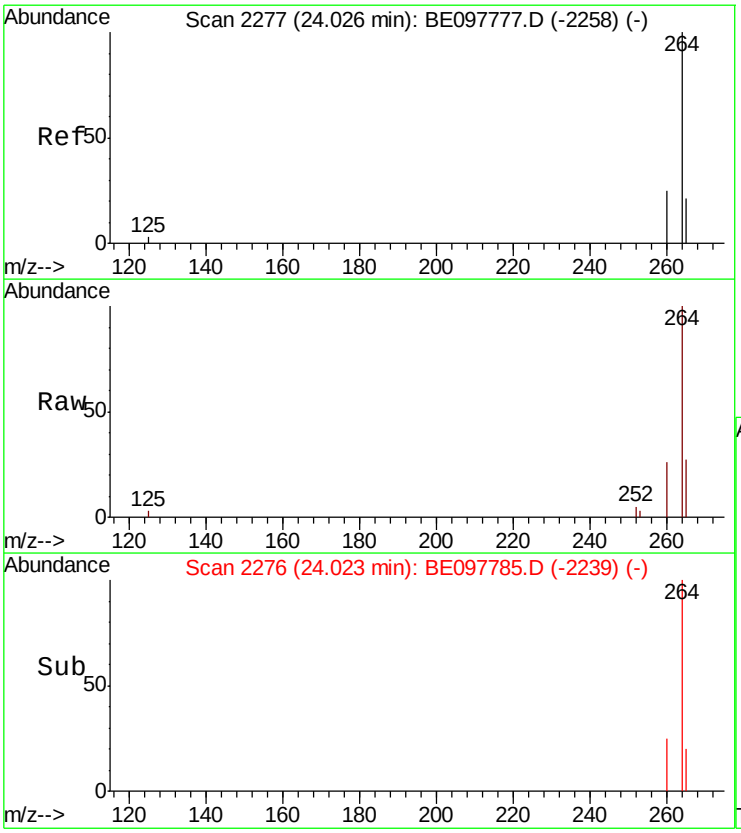
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.590 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.03 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:276 Resp: 34451

Ion	Ratio	Lower	Upper
276	100		
138	7.9	15.0	22.6#
277	24.2	19.2	28.8

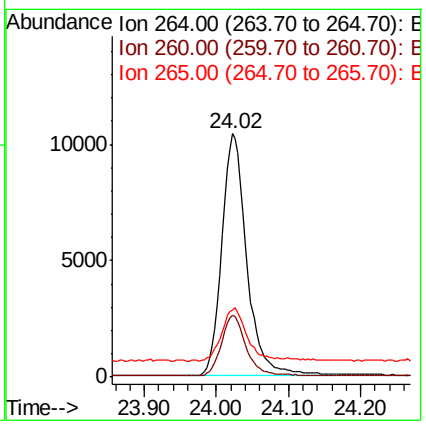


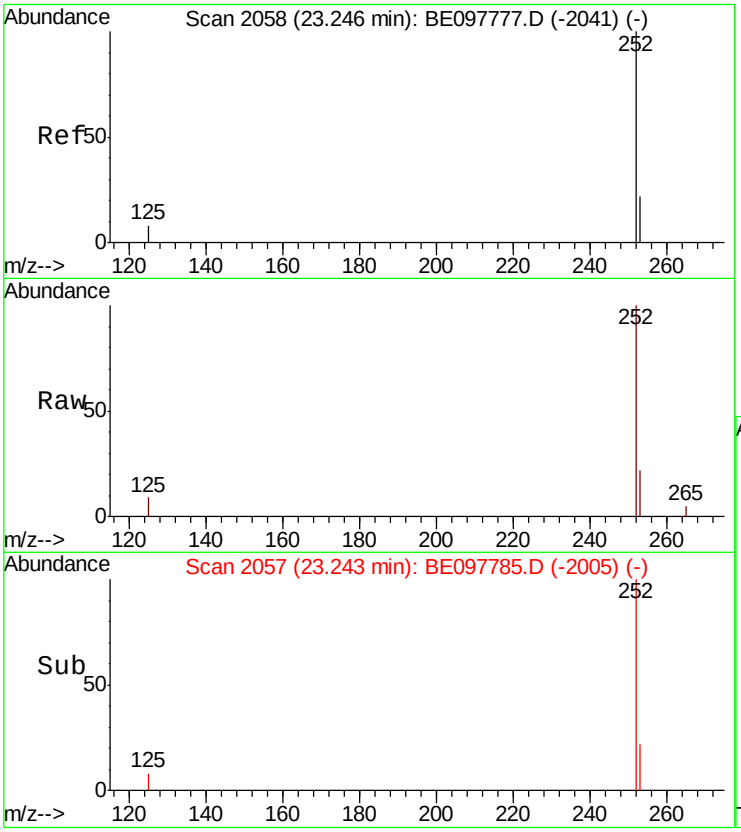


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:264 Resp: 24891

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.1	28.7
265	27.5	21.9	32.9



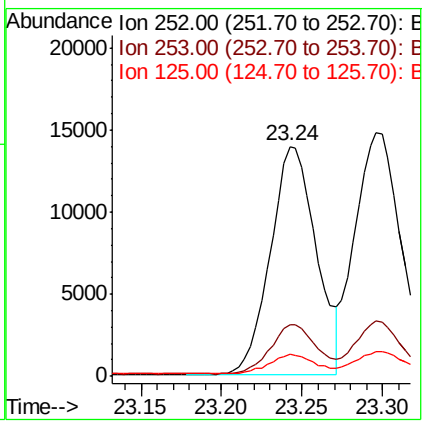


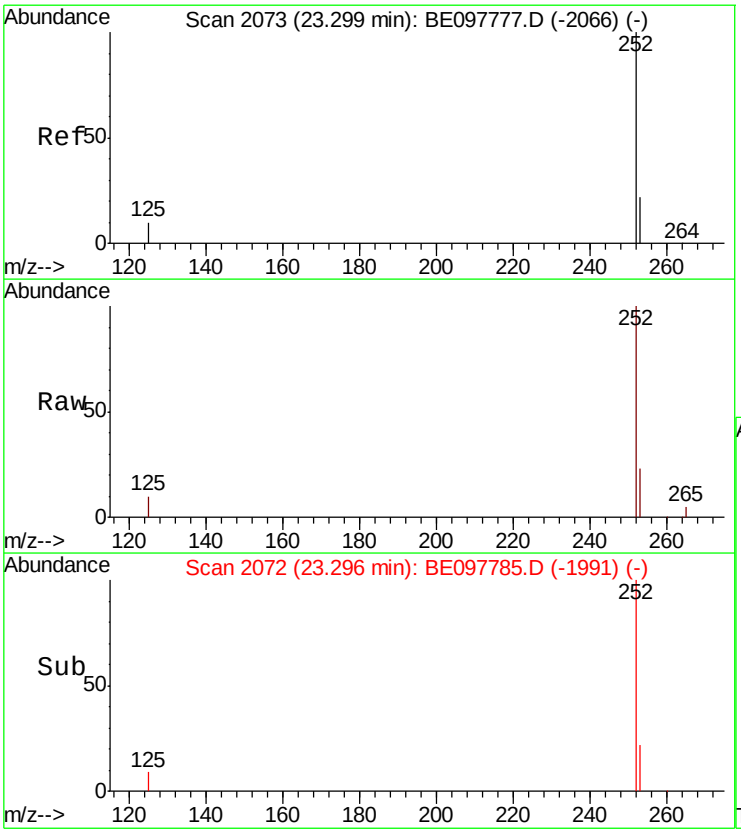
#35
Benzo(b)fluoranthene
Concen: 0.405 ng
RT: 23.24 min Scan# 2057
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:252 Resp: 27658

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.5	7.8	11.8

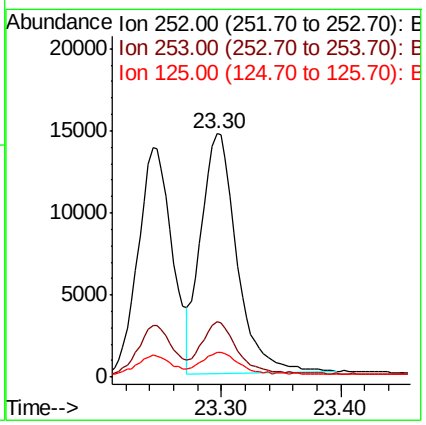


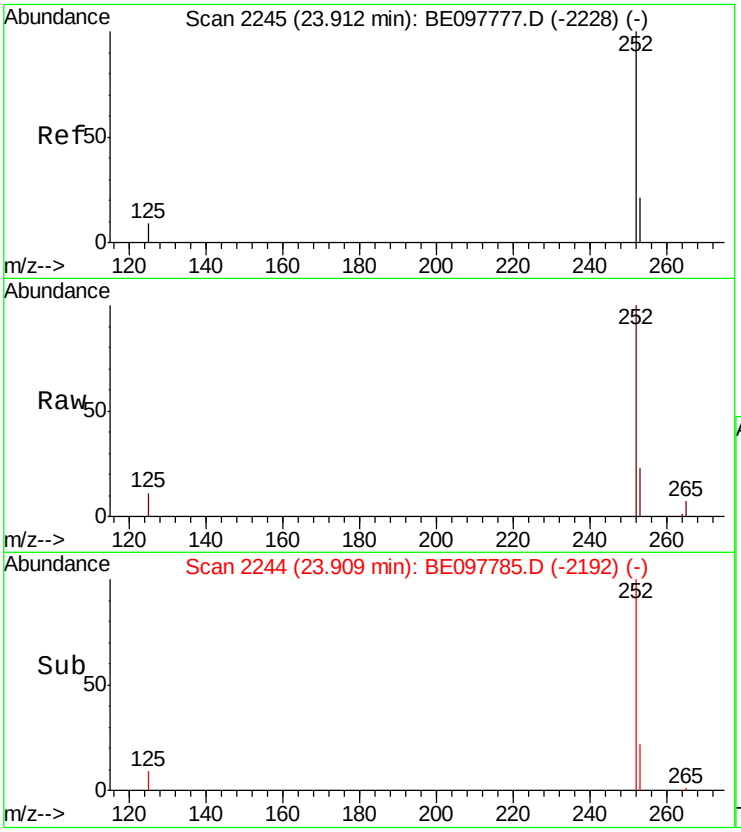


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.30 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:252 Resp: 30424

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.1	7.5	11.3



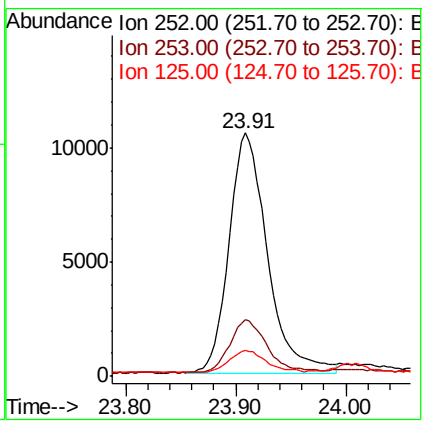


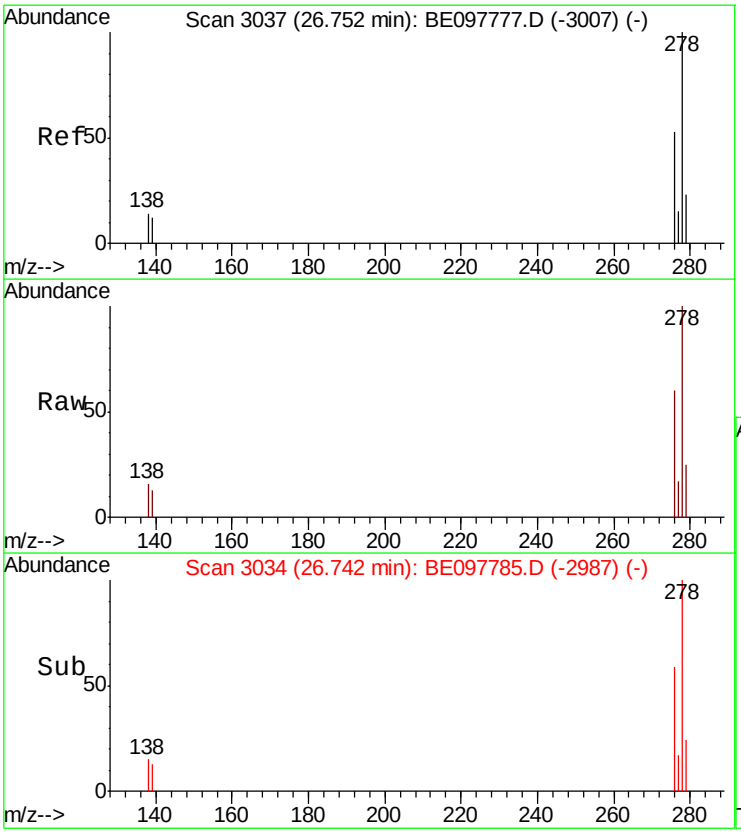
#37
Benzo(a)pyrene
Concen: 0.412 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:252 Resp: 25504

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.7	8.3	12.5

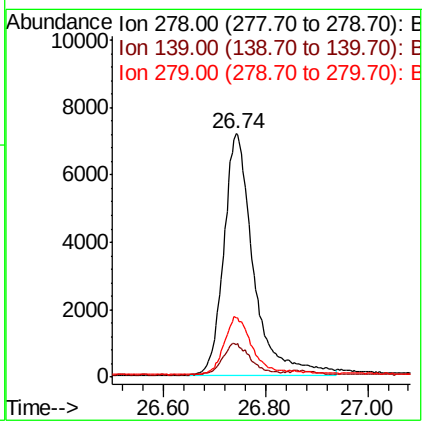


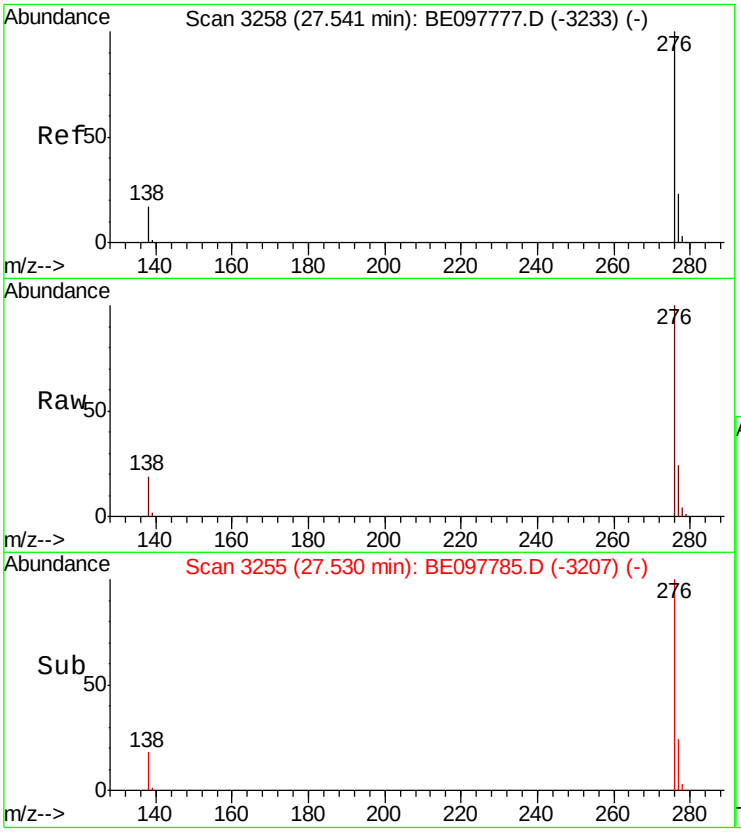


#38
Dibenzo(a,h)anthracene
Concen: 0.479 ng
RT: 26.74 min Scan# 3034
Delta R.T. -0.03 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:278 Resp: 29154

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.3	15.5
279	24.6	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 0.488 ng
RT: 27.53 min Scan# 3255
Delta R.T. -0.03 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tgt Ion:276 Resp: 31078

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	18.7	14.2	21.2