Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082218\
Data File : BE097352.D
Acq On : 22 Aug 2018 18:01
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE082218

Quant Time: Aug 22 18:41:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 18:07:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	936	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4348	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	2292	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	6405	0.40	ng		0.00
27) Chrysene-d12	20.97	240	8018	0.40	ng		0.00
34) Perylene-d12	23.21	264	7552	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	1054	0.38	ng		-0.01
5) Phenol-d6	6.59	99	1360	0.37	ng		-0.01
8) Nitrobenzene-d5	8.52	82	1199	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	2388	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	296	0.38	ng		0.00
15) 2-Fluorobiphenyl	12.62	172	3557	0.42	ng		0.00
25) Fluoranthene-d10	18.80	212	28870	0.39	ng		0.00
29) Terphenyl-d14	19.42	244	6291	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	717	0.431	ng	#	85
3) n-Nitrosodimethylamine	3.37	42	652	0.419	ng		96
6) bis(2-Chloroethyl)ether	6.83	93	1347	0.396	ng		95
9) Naphthalene	10.18	128	16012	0.405	ng		100
10) Hexachlorobutadiene	10.47	225	729	0.412	ng		98
12) 2-Methylnaphthalene	11.80	142	2503	0.401	ng		99
16) Acenaphthylene	13.73	152	3696	0.405	ng		99
17) Acenaphthene	14.07	154	2497	0.411	ng		92
18) Fluorene	15.06	166	3209	0.417	ng	#	80
20) 4-Bromophenyl-phenylether	15.96	248	1199	0.412	ng	#	77
21) Hexachlorobenzene	16.08	284	1327	0.412	ng	#	83
22) Pentachlorophenol	16.43	266	304	0.445	ng	#	82
23) Phenanthrene	16.80	178	6281	0.412	ng		99
24) Anthracene	16.89	178	5256	0.405	ng		96
26) Fluoranthene	18.84	202	7718	0.404	ng		98
28) Pyrene	19.20	202	8406	0.441	ng		100
30) Benzo(a)anthracene	20.95	228	8105	0.400	ng		97
31) Chrysene	21.00	228	8881	0.407	ng		98
32) Bis(2-ethylhexyl)phthalate	20.92	149	8799	0.389	ng	#	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	9890	0.352	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	7920	0.392	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	9025	0.402	ng		94
37) Benzo(a)pyrene	23.11	252	7263	0.373	ng		93
38) Dibenzo(a,h)anthracene	25.52	278	8388	0.362	ng	#	95
39) Benzo(g,h,i)perylene	26.20	276	8512	0.356	ng	#	90

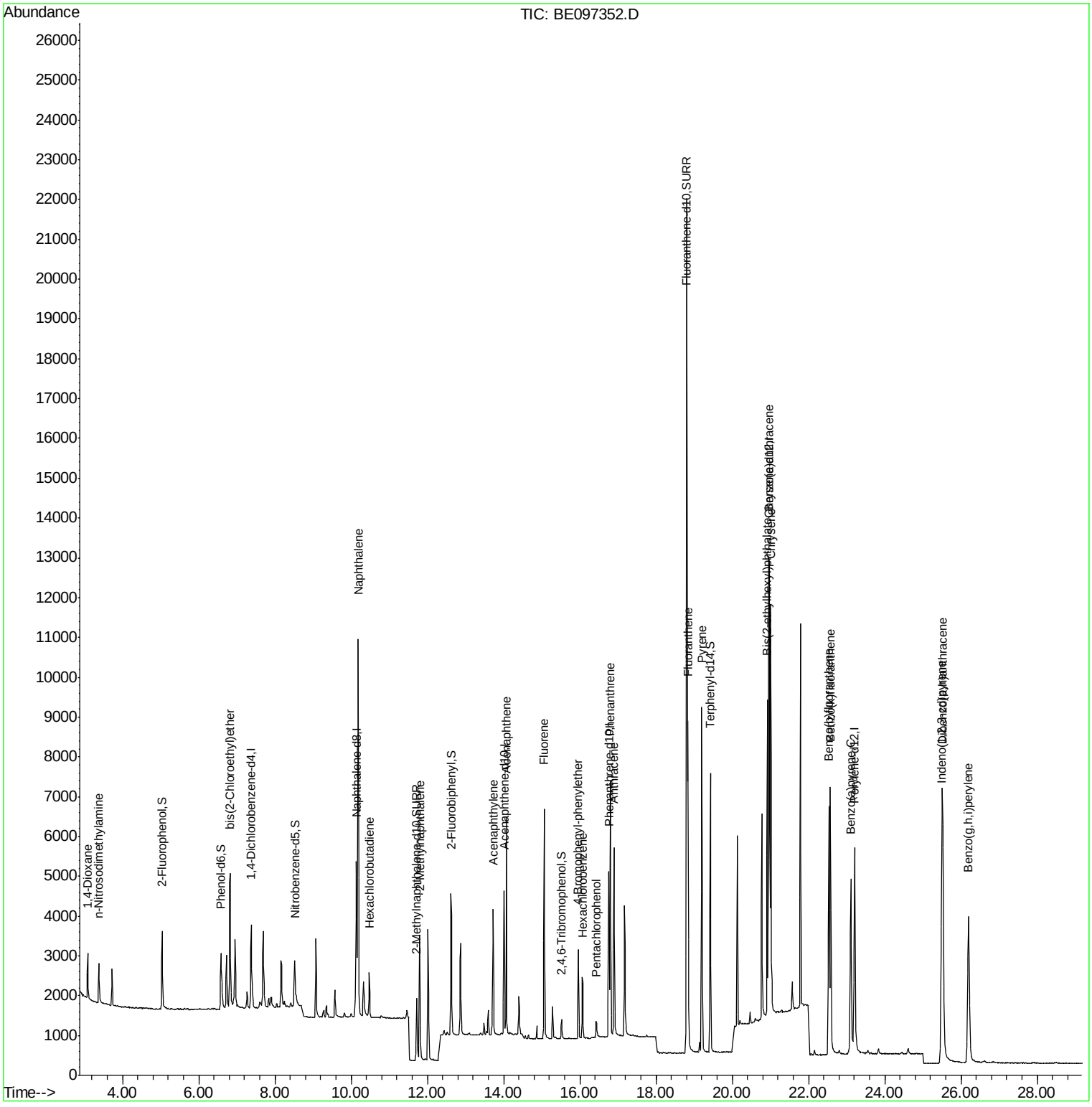
(#) = qualifier out of range (m) = manual integration (+) = signals summed

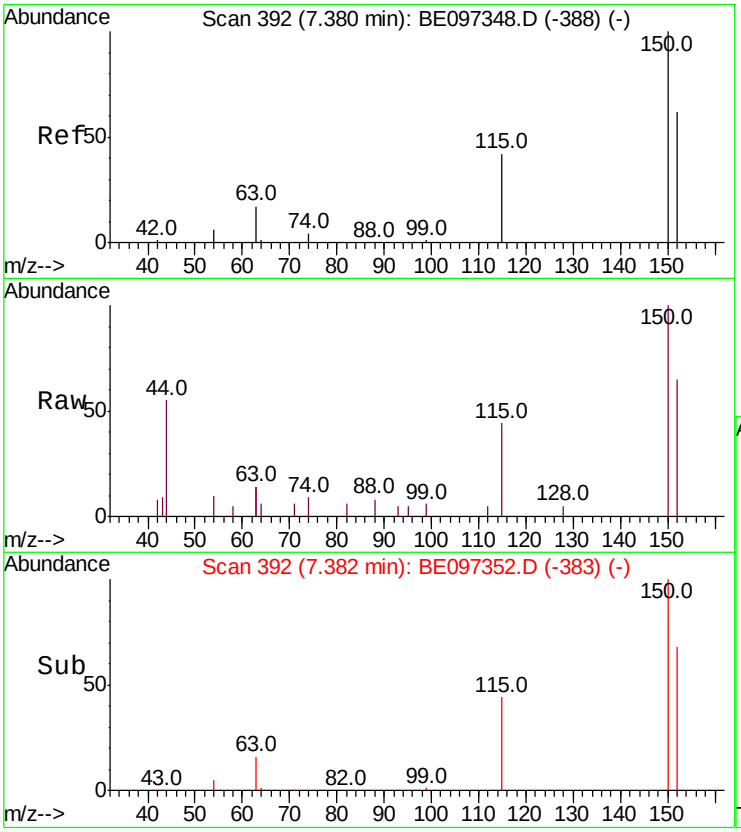
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082218\
Data File : BE097352.D
Acq On : 22 Aug 2018 18:01
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Quant Time: Aug 22 18:41:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 18:07:26 2018
Response via : Initial Calibration



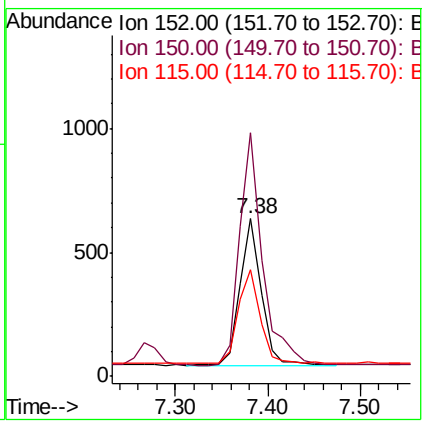


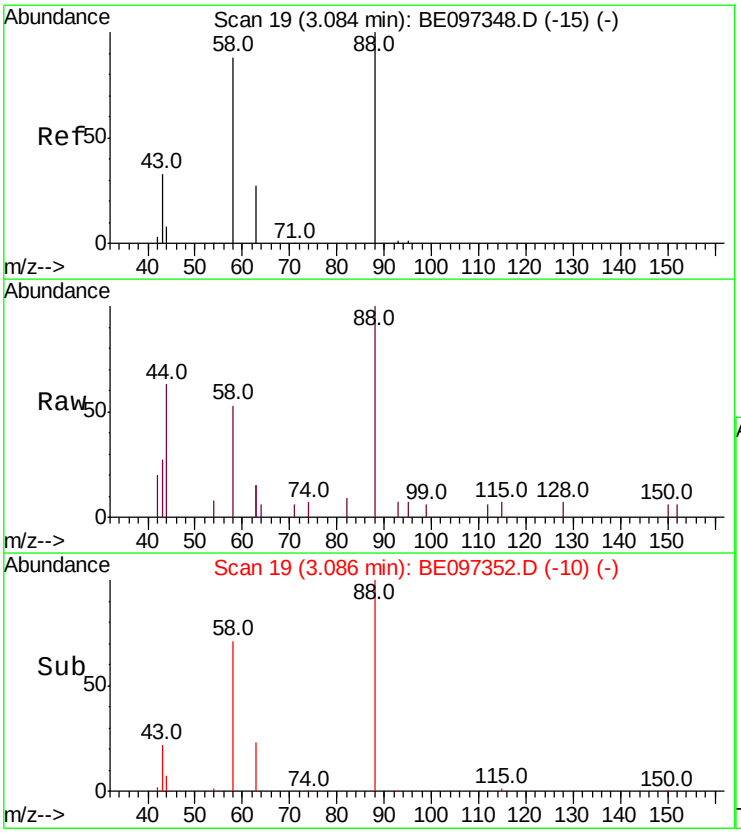
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:152 Resp: 936

Ion	Ratio	Lower	Upper
152	100		
150	154.4	117.2	175.8
115	67.9	57.0	85.6

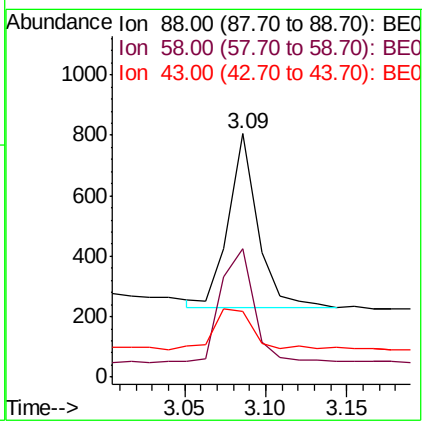


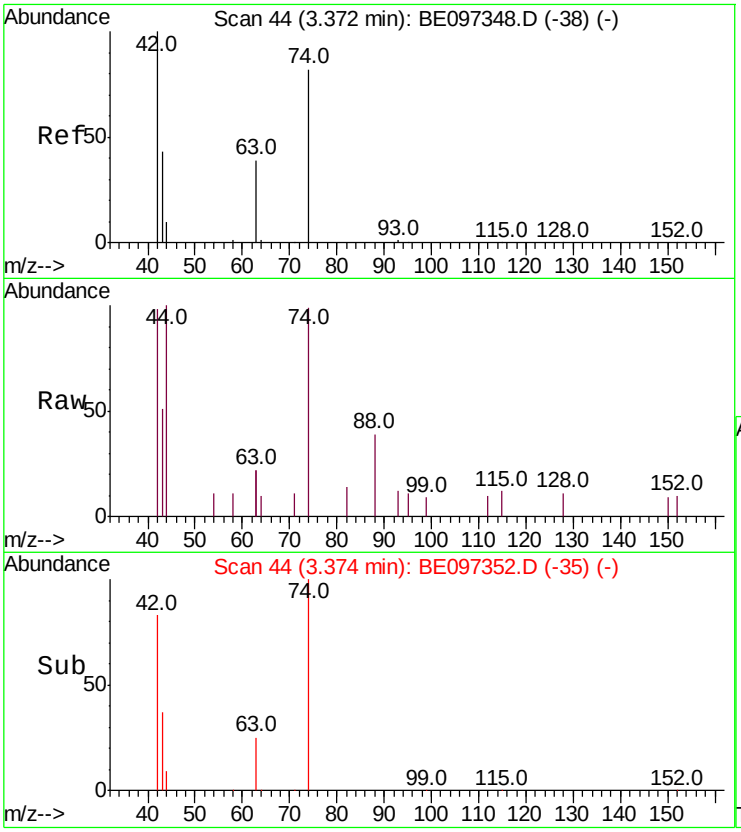


#2
1,4-Dioxane
Concen: 0.431 ng
RT: 3.09 min Scan# 19
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion: 88 Resp: 717

Ion	Ratio	Lower	Upper
88	100		
58	74.6	63.2	94.8
43	31.1	41.2	61.8#

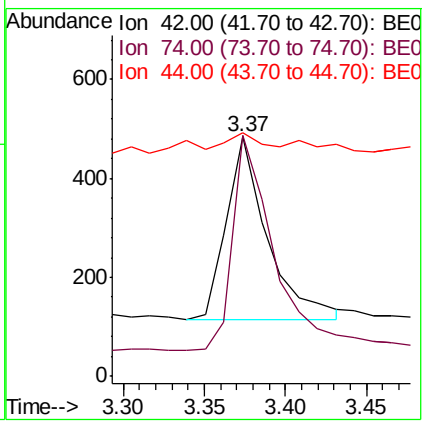




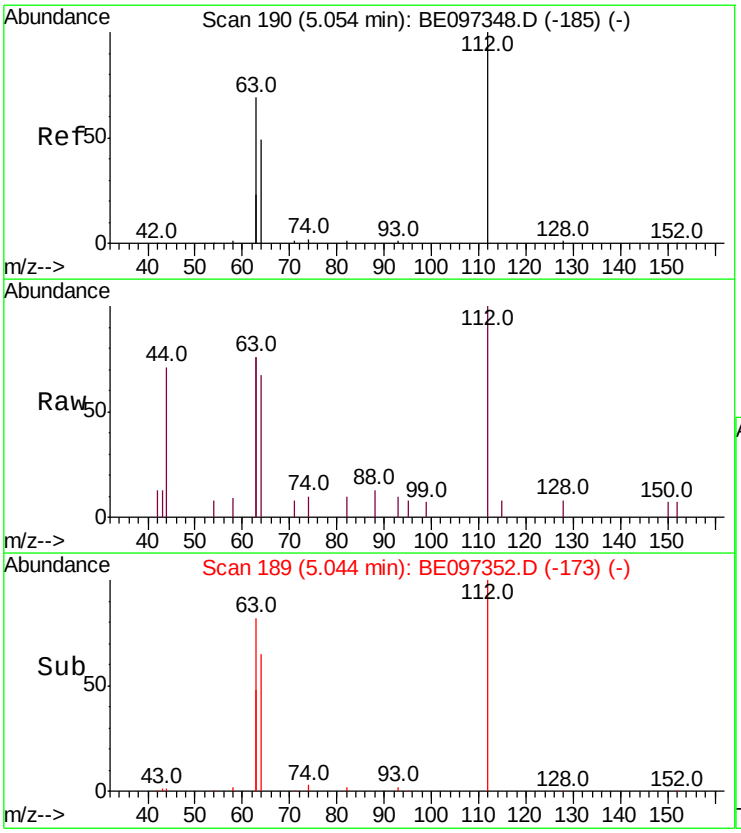
#3
n-Nitrosodimethylamine
Concen: 0.419 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion: 42 Resp: 652

Ion	Ratio	Lower	Upper
42	100		
74	116.0	96.0	144.0
44	17.0	12.0	18.0



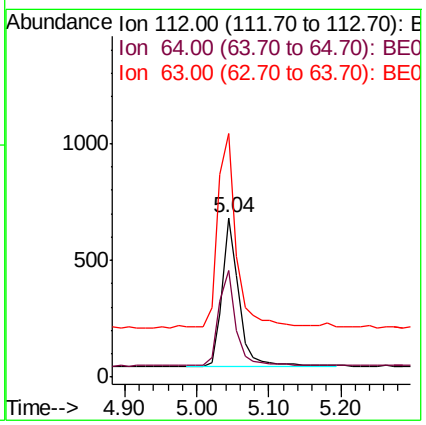
Instrument :
BNA_E
ClientSampleId :
ICVBE082218

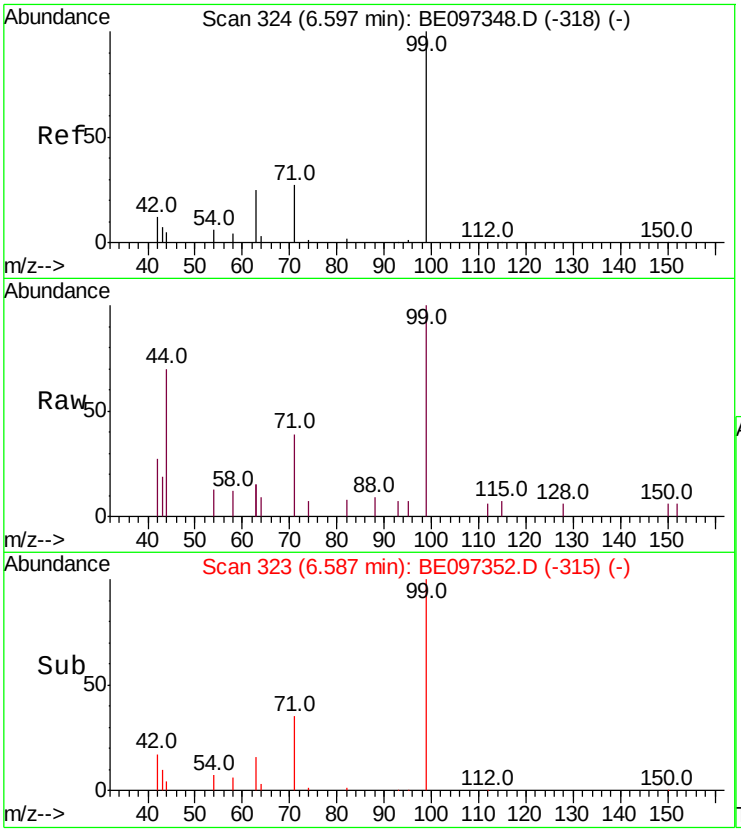


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.04 min Scan# 189
Delta R.T. -0.01 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:112 Resp: 1054

Ion	Ratio	Lower	Upper
112	100		
64	64.1	60.1	90.1
63	143.9	116.8	175.2



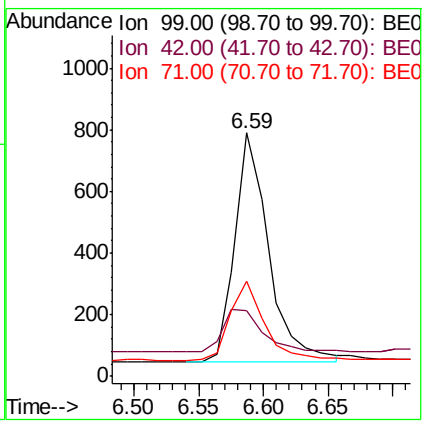


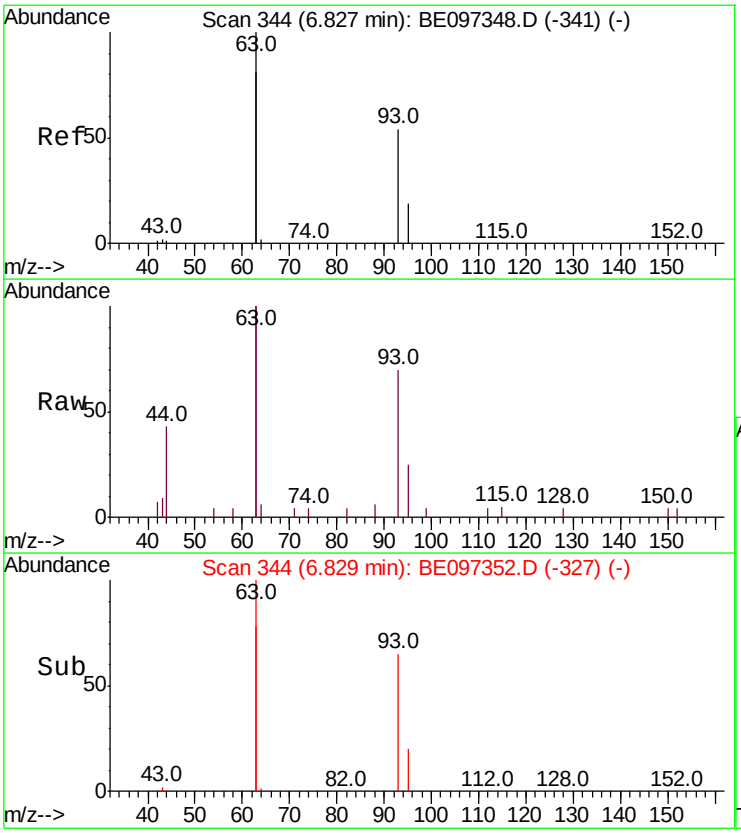
#5
Phenol-d6
Concen: 0.368 ng
RT: 6.59 min Scan# 323
Delta R.T. -0.01 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion: 99 Resp: 1360

Ion	Ratio	Lower	Upper
99	100		
42	22.6	20.2	30.2
71	35.3	28.4	42.6

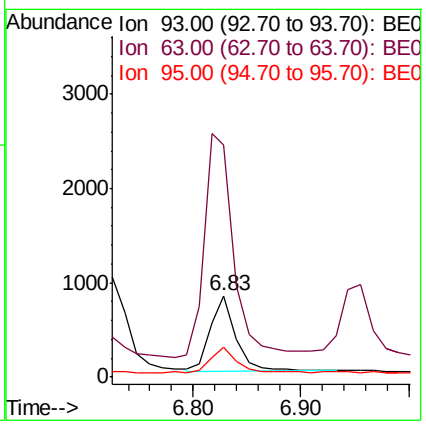


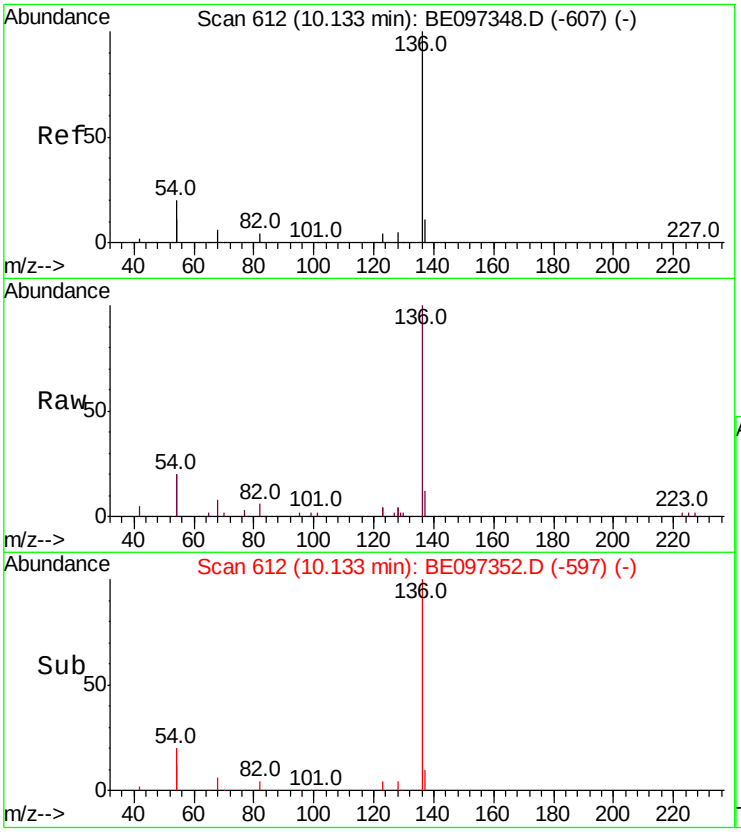


#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 6.83 min Scan# 344
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion: 93 Resp: 1347

Ion	Ratio	Lower	Upper
93	100		
63	333.6	275.3	412.9
95	33.2	25.2	37.8



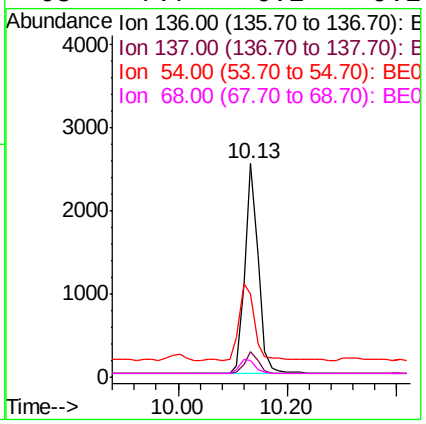


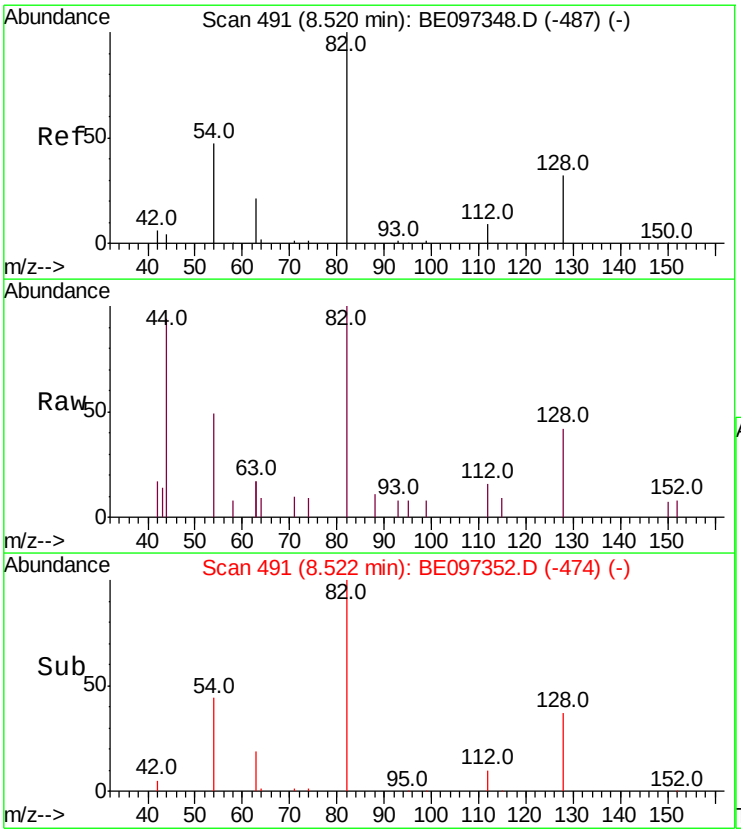
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:136 Resp: 4348

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	39.0	29.1	43.7
68	7.7	6.2	9.2

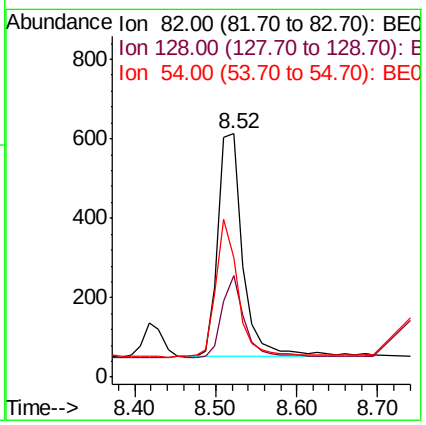


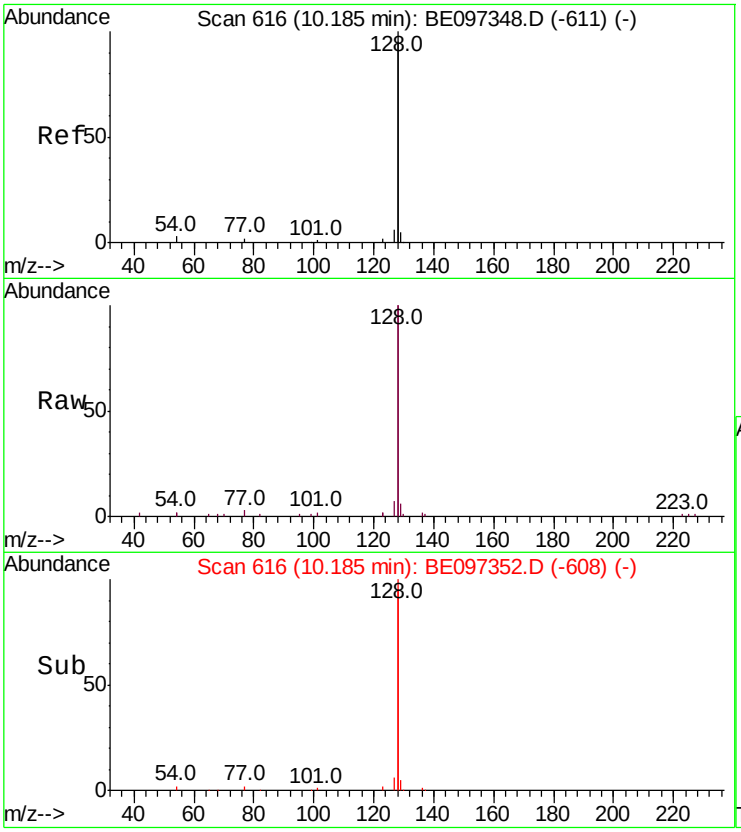


#8
Nitrobenzene-d5
Concen: 0.385 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion: 82 Resp: 1199

Ion	Ratio	Lower	Upper
82	100		
128	41.9	24.0	36.0#
54	48.9	40.0	60.0



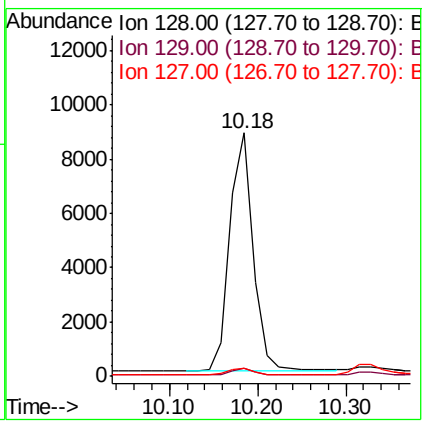


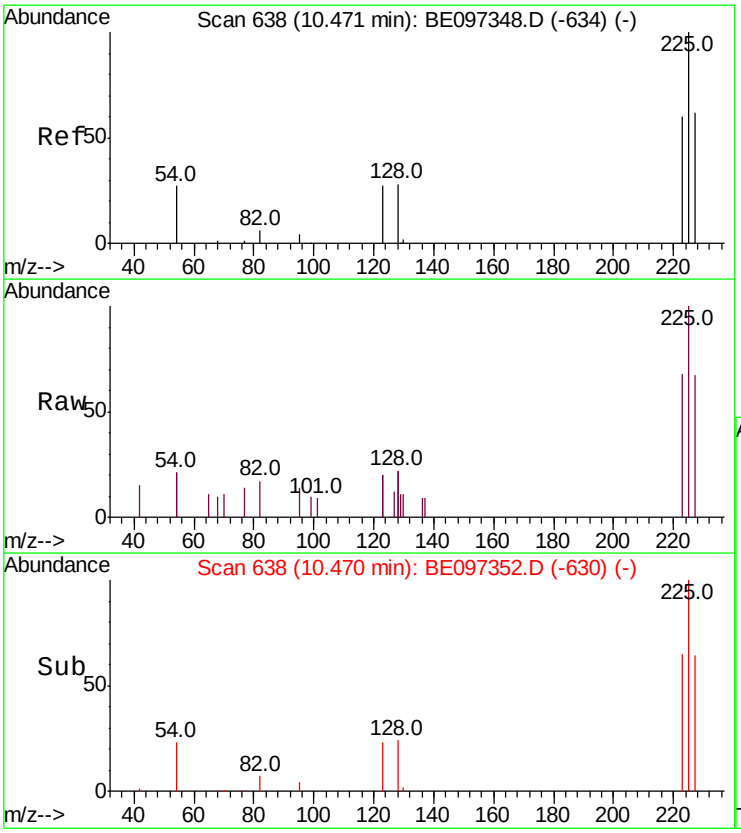
#9
Naphthalene
Concen: 0.405 ng
RT: 10.18 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:128 Resp: 16012

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.5	2.8	4.2

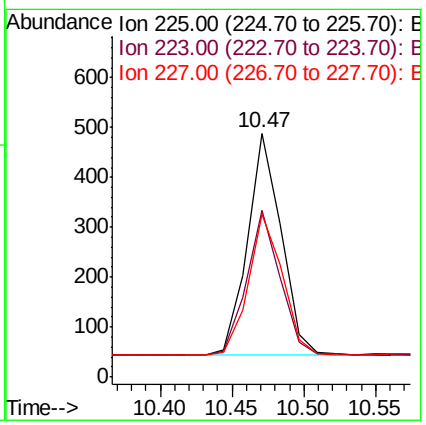


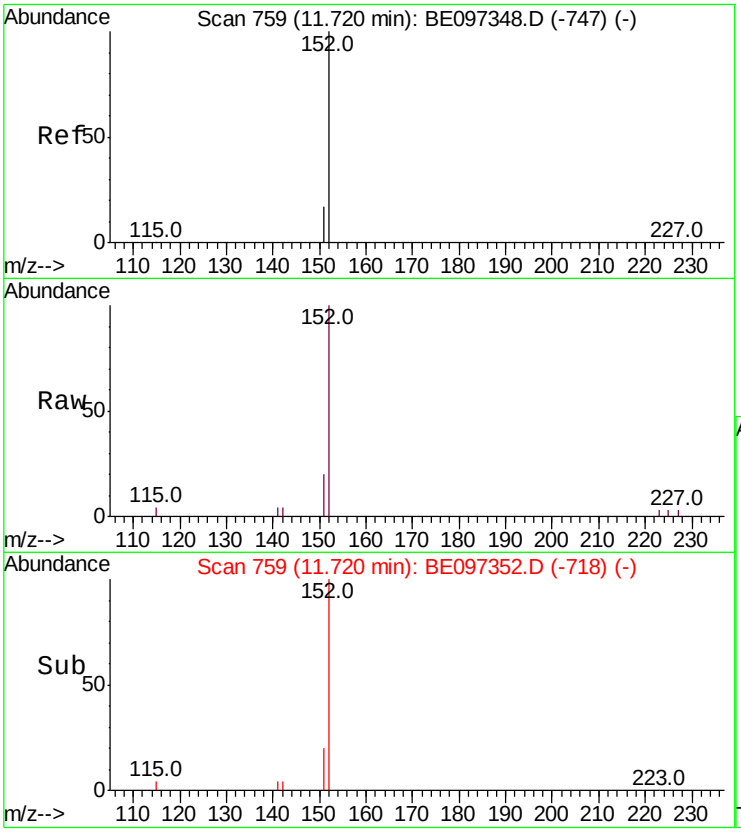


#10
Hexachlorobutadiene
Concen: 0.412 ng
RT: 10.47 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:225 Resp: 729

Ion	Ratio	Lower	Upper
225	100		
223	64.1	53.0	79.6
227	63.8	51.4	77.2



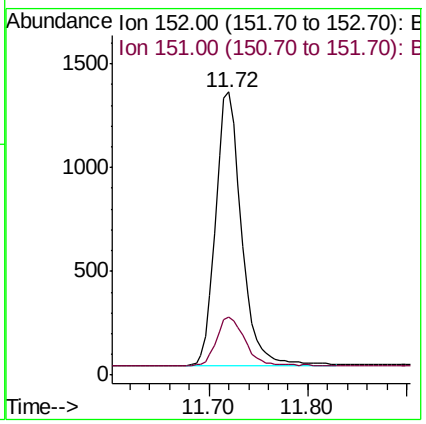


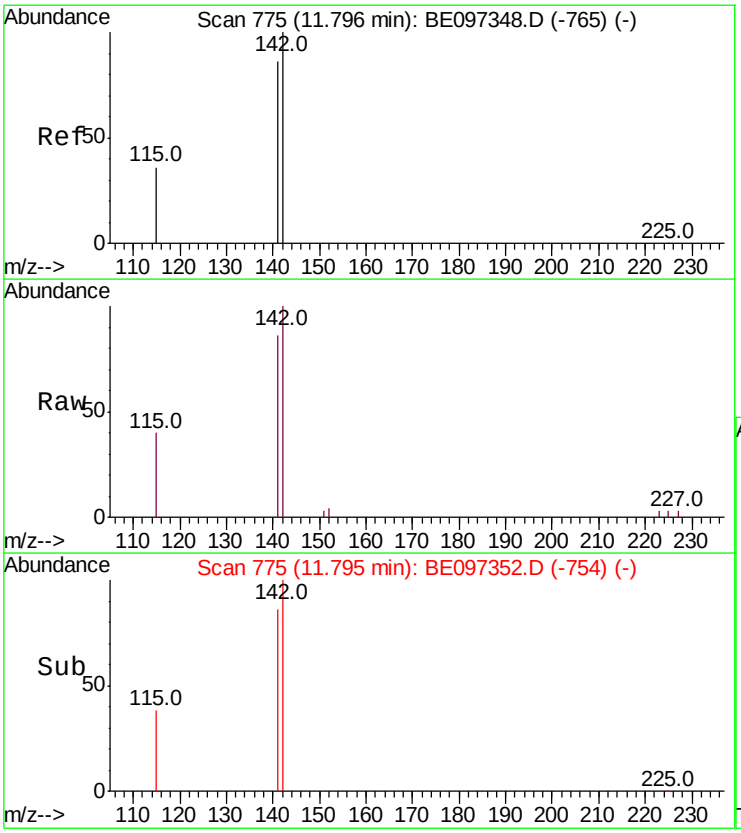
#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 11.72 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:152 Resp: 2388

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.0

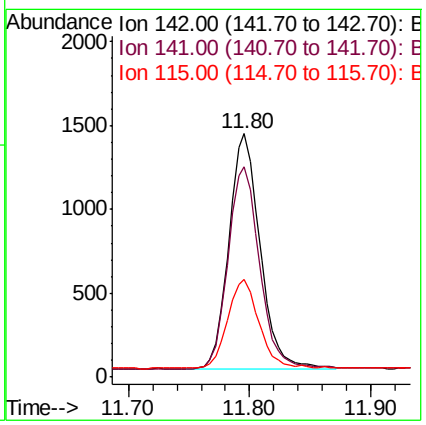


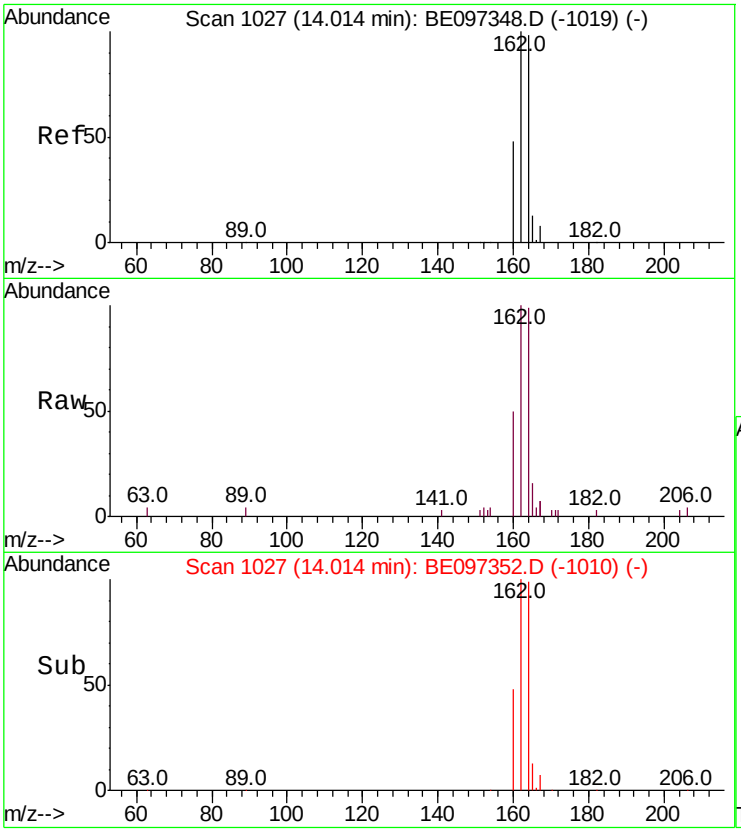


#12
2-Methylnaphthalene
Concen: 0.401 ng
RT: 11.80 min Scan# 775
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:142 Resp: 2503

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.4	105.6
115	39.9	31.7	47.5



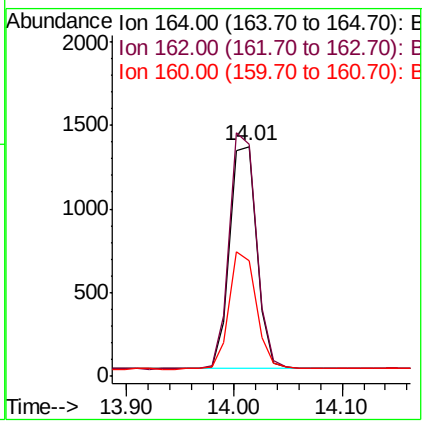


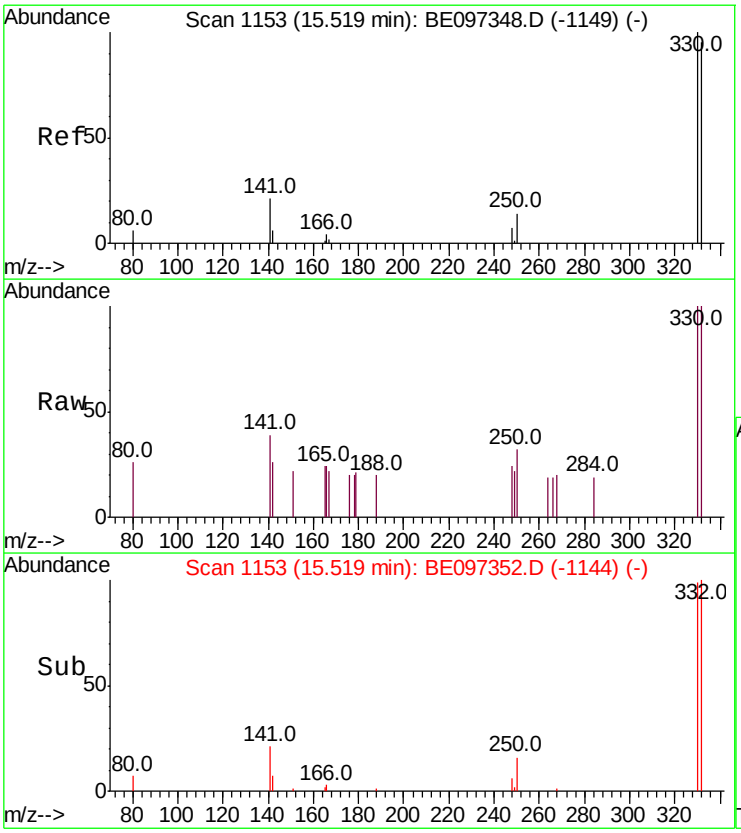
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:164 Resp: 2292

Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.1	124.7
160	50.4	37.1	55.7

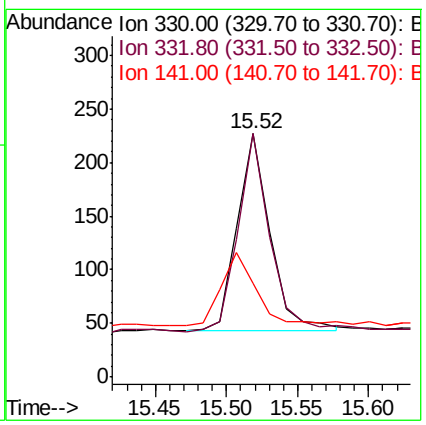


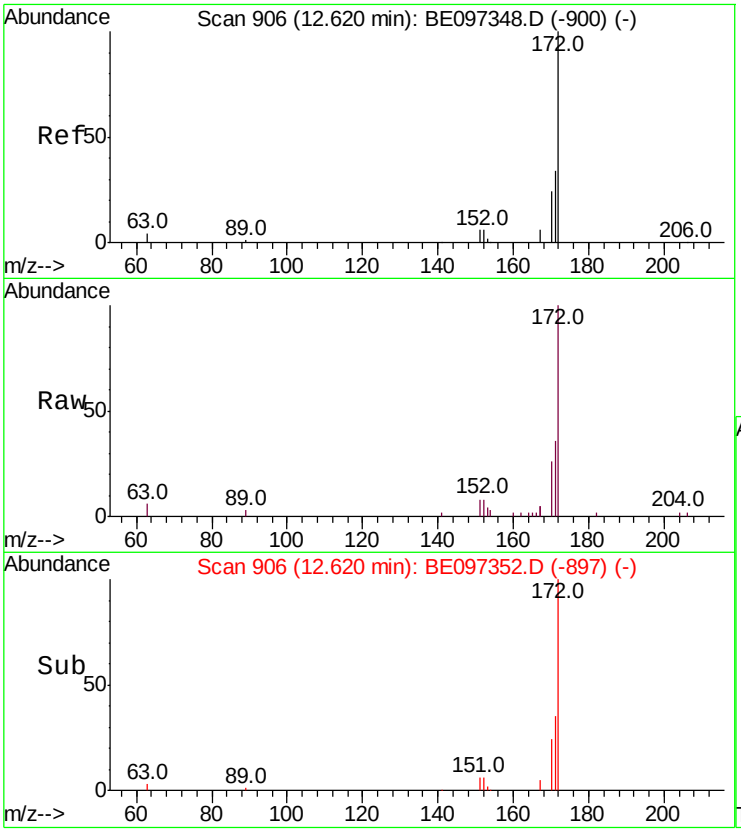


#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:330 Resp: 296

Ion	Ratio	Lower	Upper
330	100		
332	96.3	152.7	229.1#
141	38.9	33.7	50.5



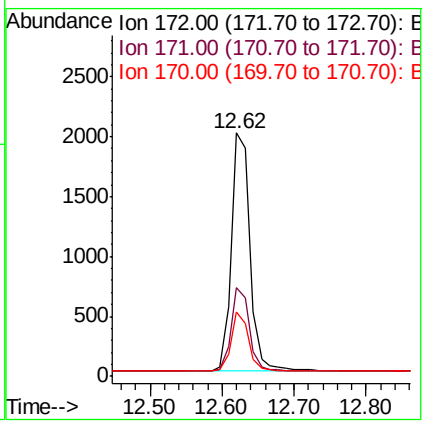


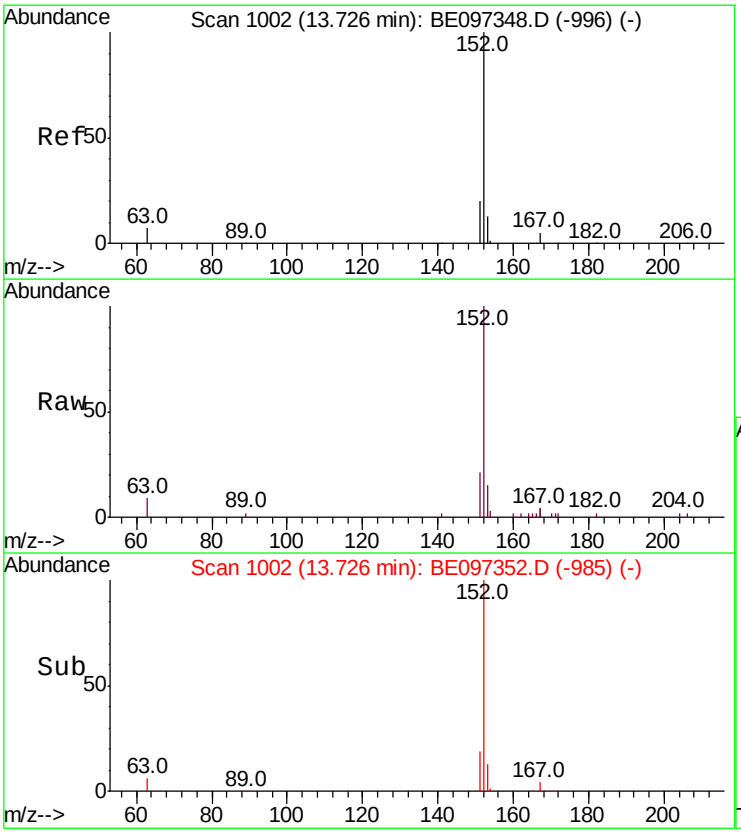
#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:172 Resp: 3557

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	26.3	21.8	32.8

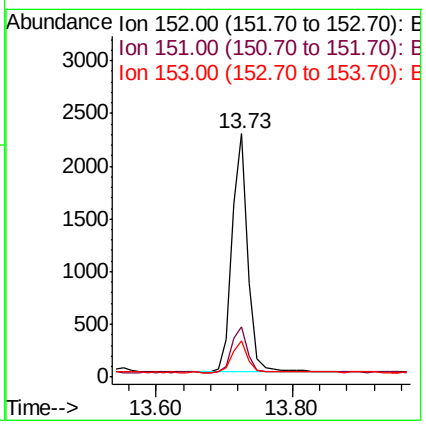


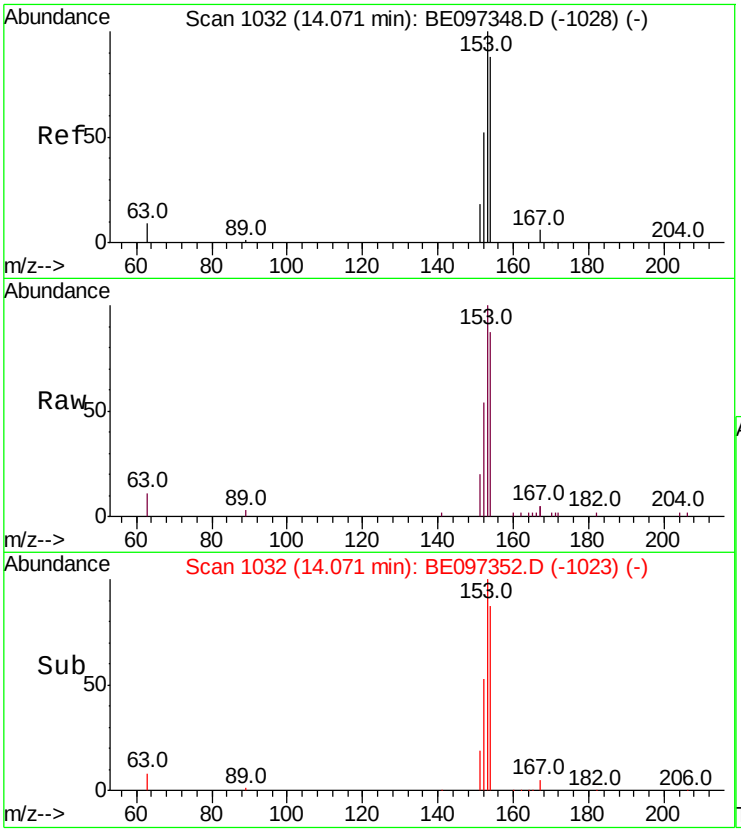


#16
Acenaphthylene
Concen: 0.405 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:152 Resp: 3696

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	13.1	10.5	15.7



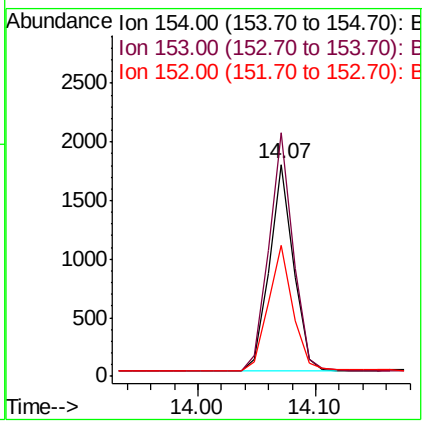


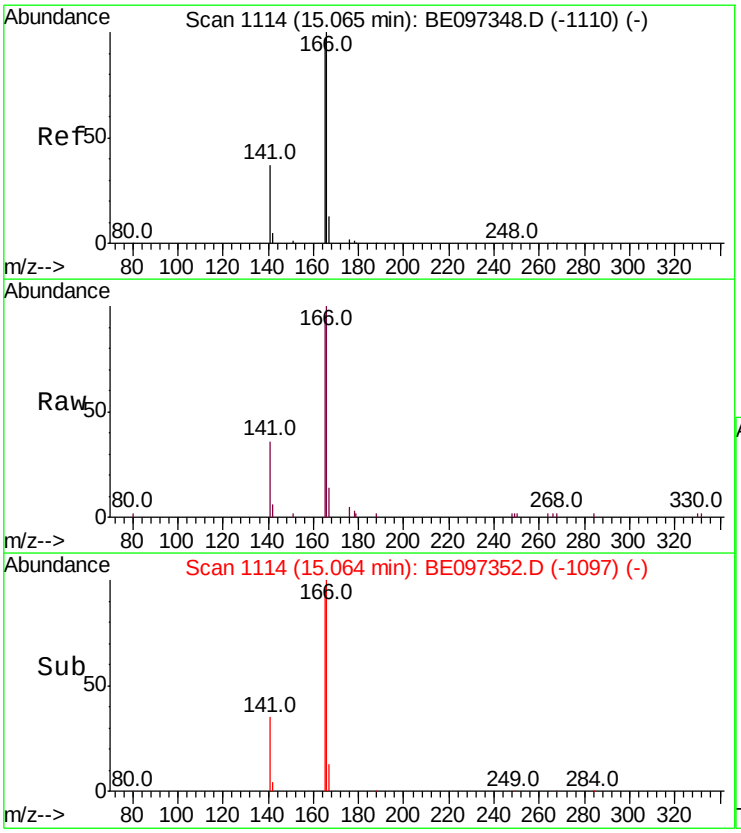
#17
Acenaphthene
Concen: 0.411 ng
RT: 14.07 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:154 Resp: 2497

Ion	Ratio	Lower	Upper
154	100		
153	116.7	89.2	133.8
152	61.8	42.0	63.0

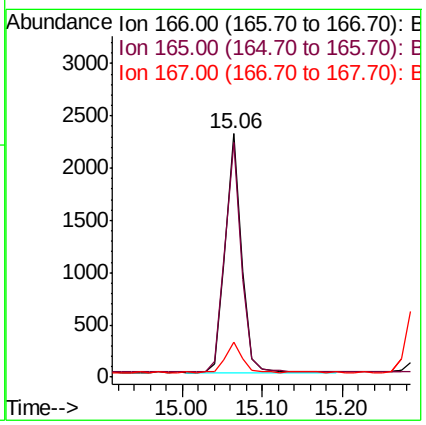


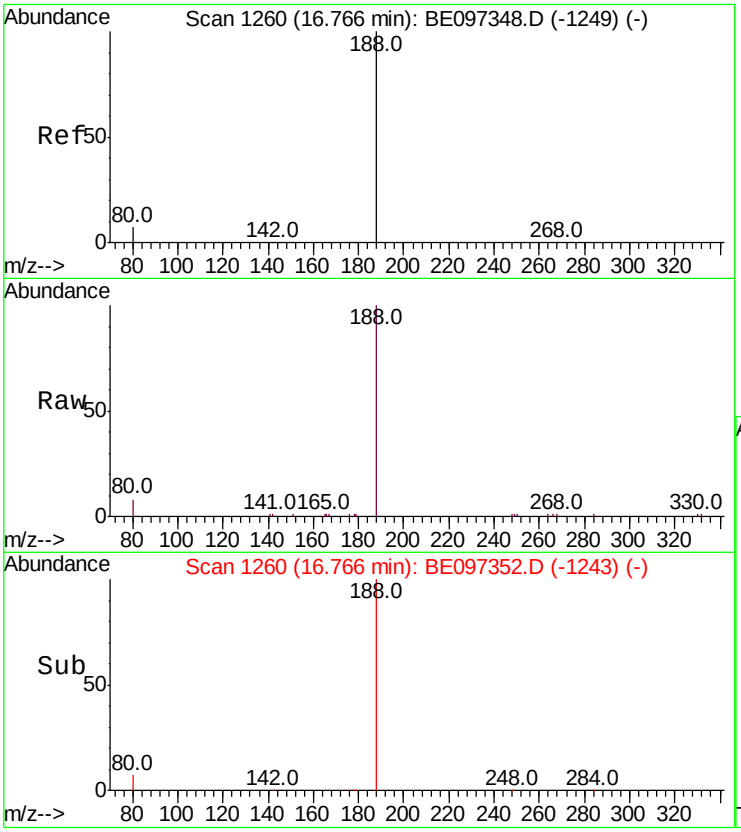


#18
Fluorene
Concen: 0.417 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:166 Resp: 3209

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	13.1	42.4	63.6#



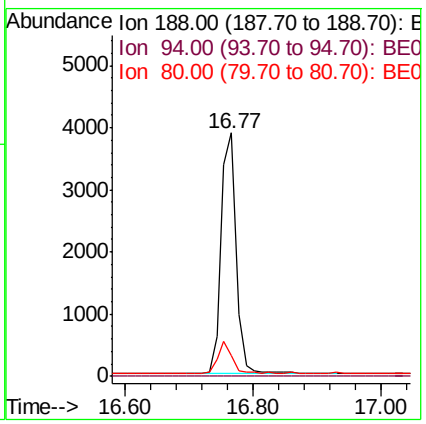


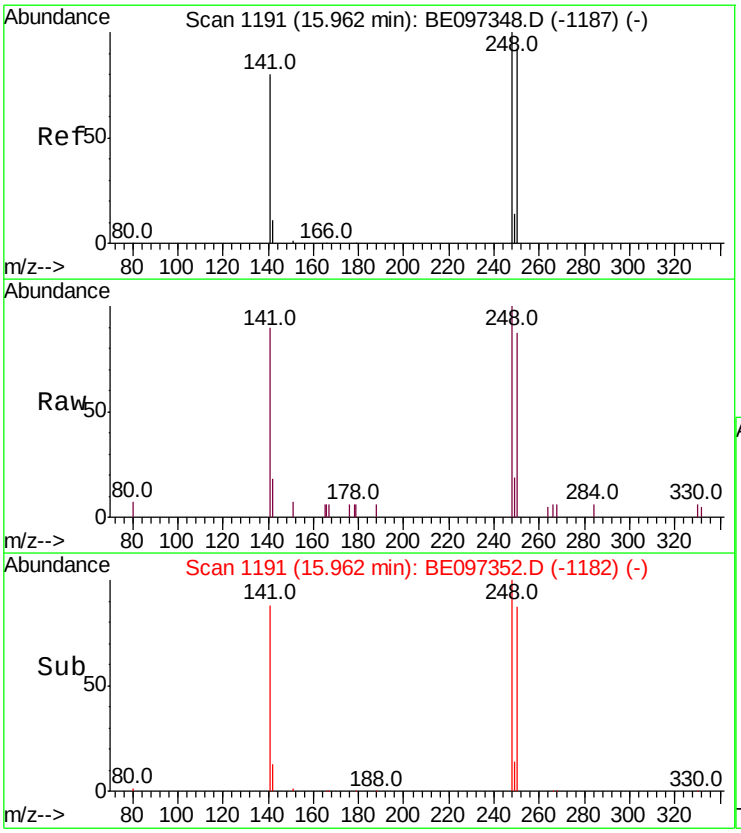
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:188 Resp: 6405

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.3	3.6	5.4#

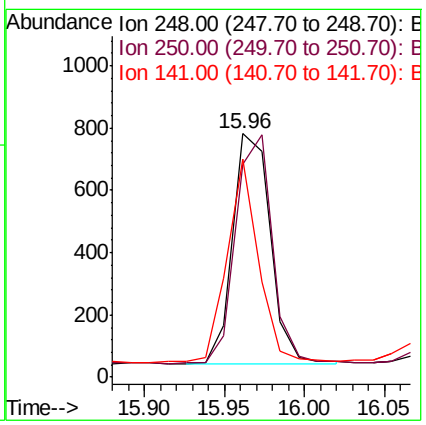


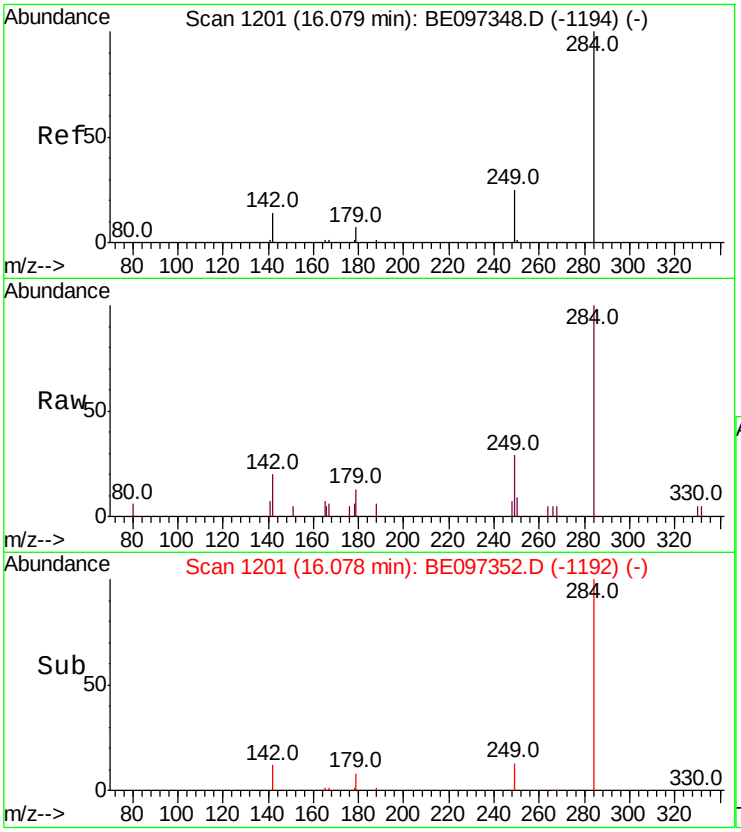


#20
4-Bromophenyl-phenylether
Concen: 0.412 ng
RT: 15.96 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:248 Resp: 1199

Ion	Ratio	Lower	Upper
248	100		
250	87.5	62.7	94.1
141	89.8	48.2	72.2#



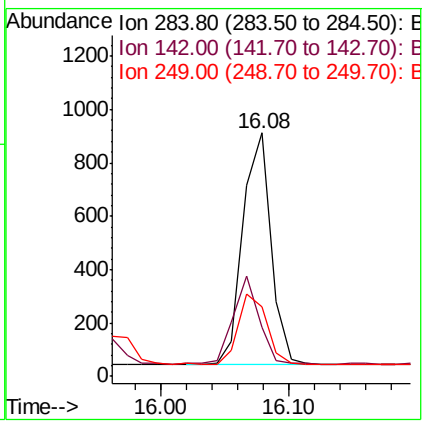


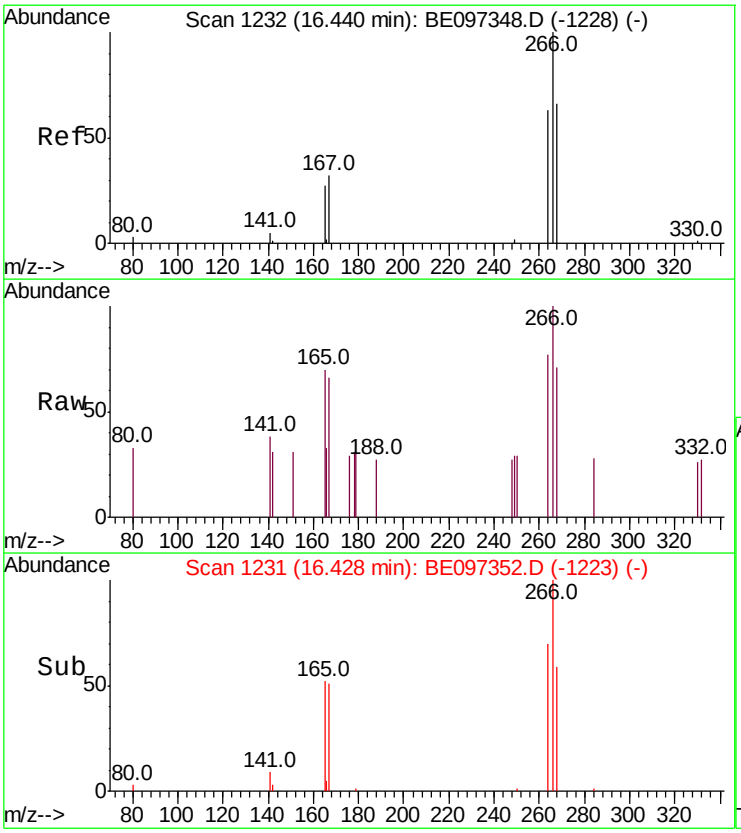
#21
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:284 Resp: 1327

Ion	Ratio	Lower	Upper
284	100		
142	34.4	22.1	33.1#
249	30.7	34.8	52.2#

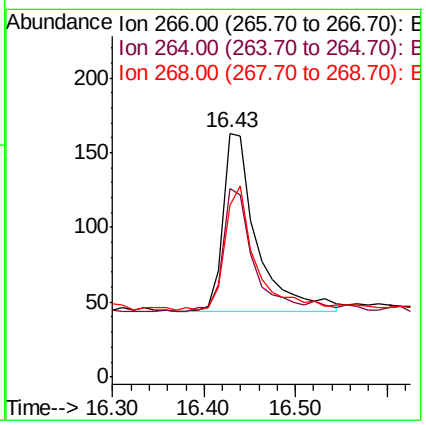


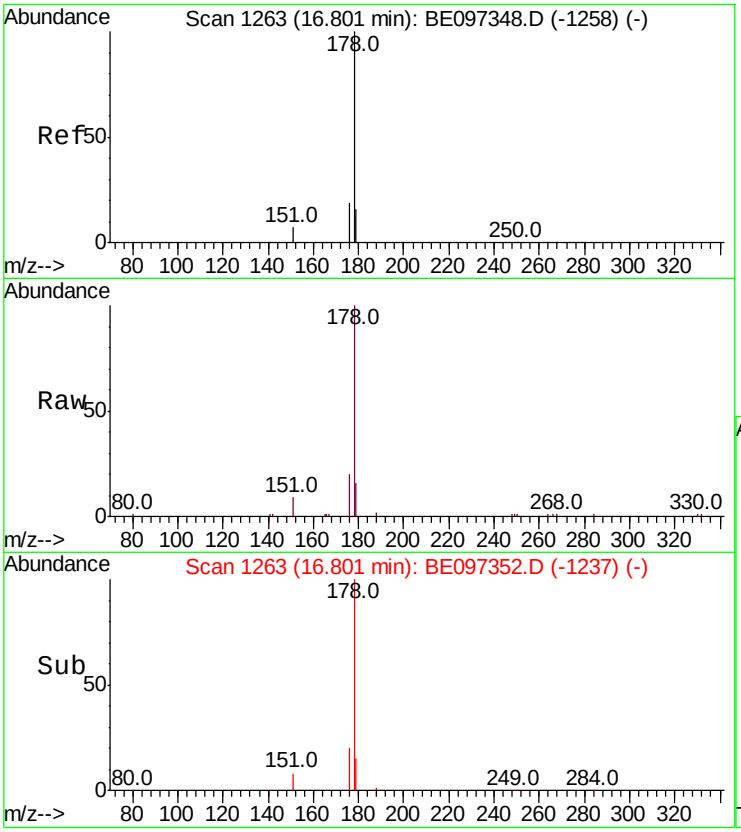


#22
Pentachlorophenol
Concen: 0.445 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:266 Resp: 304

Ion	Ratio	Lower	Upper
266	100		
264	77.3	72.5	108.7
268	70.6	73.8	110.6#



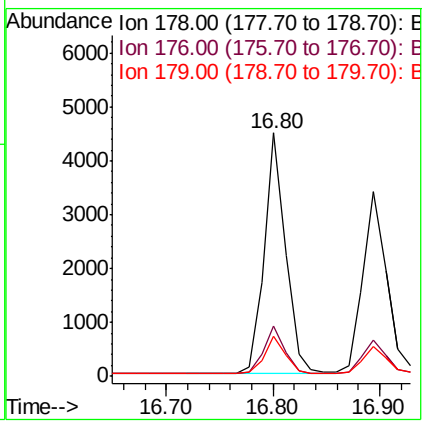


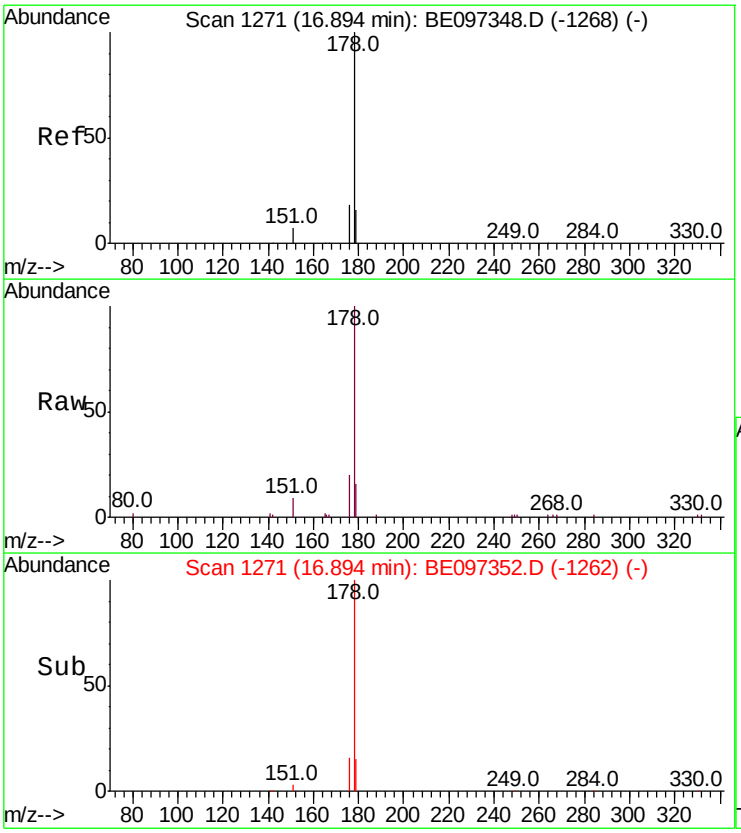
#23
Phenanthrene
Concen: 0.412 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:178 Resp: 6281

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.3	11.8	17.6

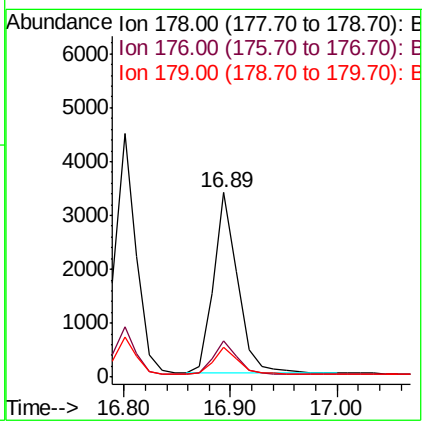


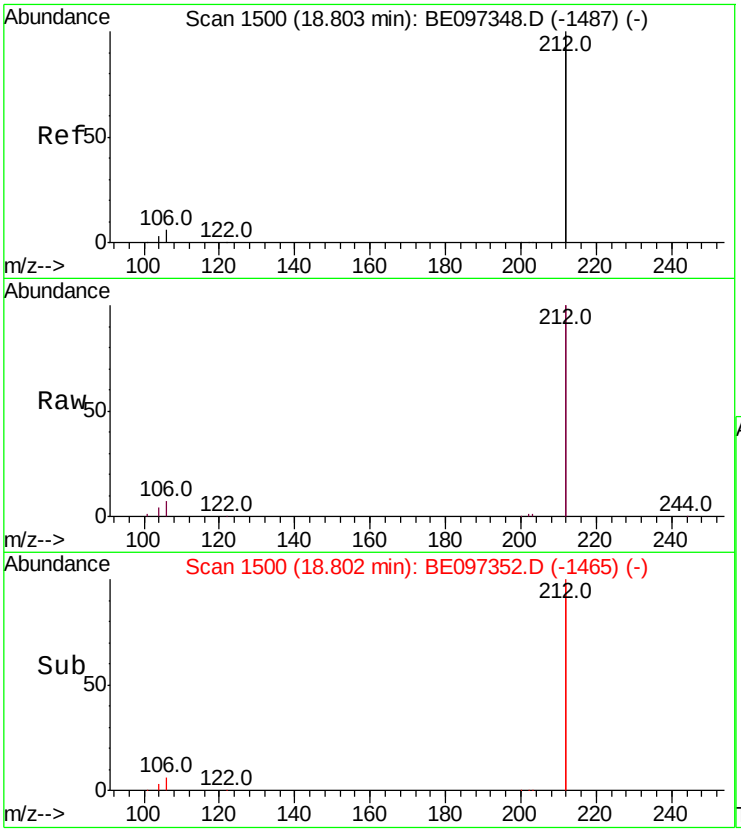


#24
Anthracene
Concen: 0.405 ng
RT: 16.89 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:178 Resp: 5256

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.3	13.0	19.6



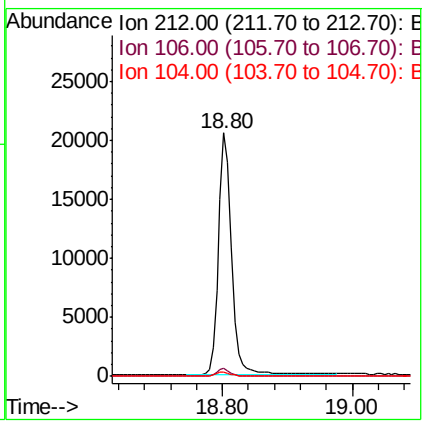


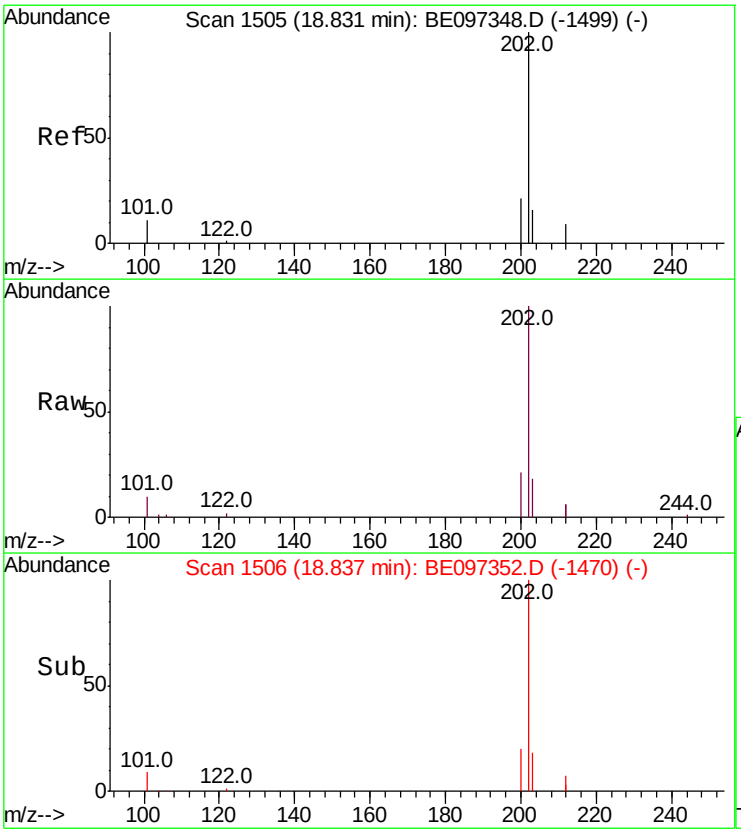
#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:212 Resp: 28870

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.7	1.6	2.4

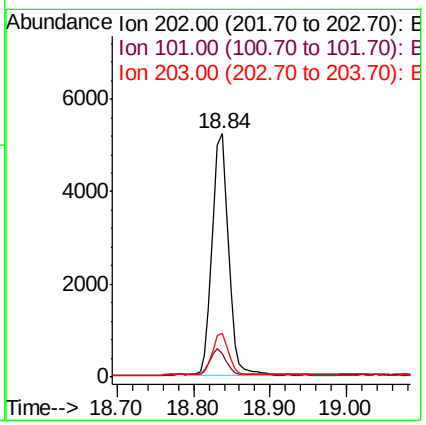


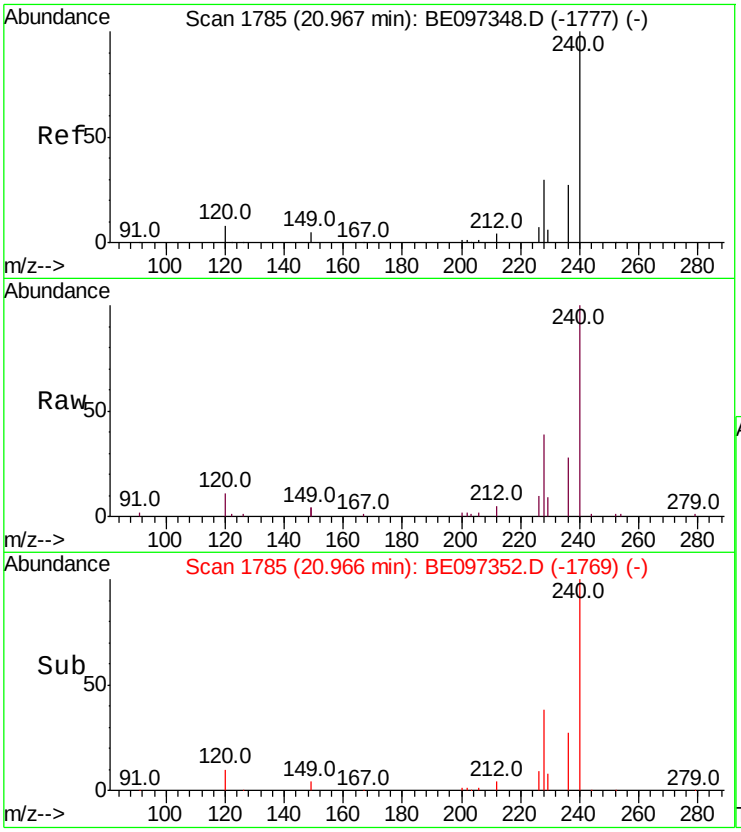


#26
Fluoranthene
Concen: 0.404 ng
RT: 18.84 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:202 Resp: 7718

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
203	16.9	13.7	20.5



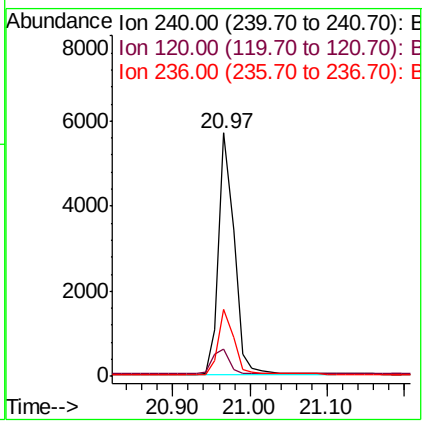


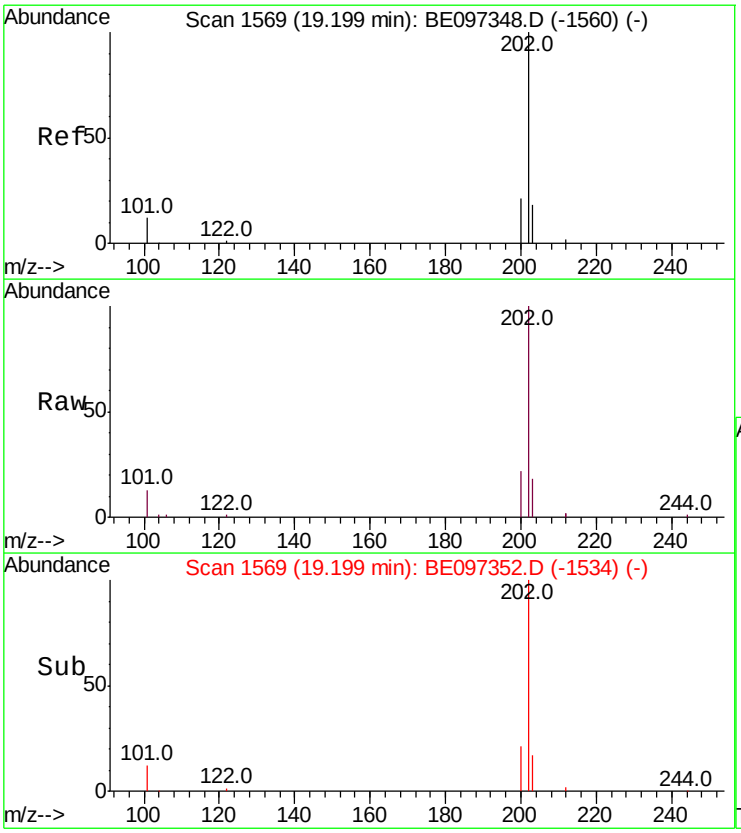
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:240 Resp: 8018

Ion	Ratio	Lower	Upper
240	100		
120	10.9	5.5	8.3#
236	27.6	20.7	31.1

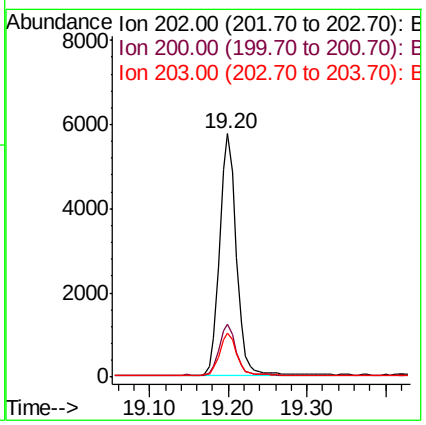


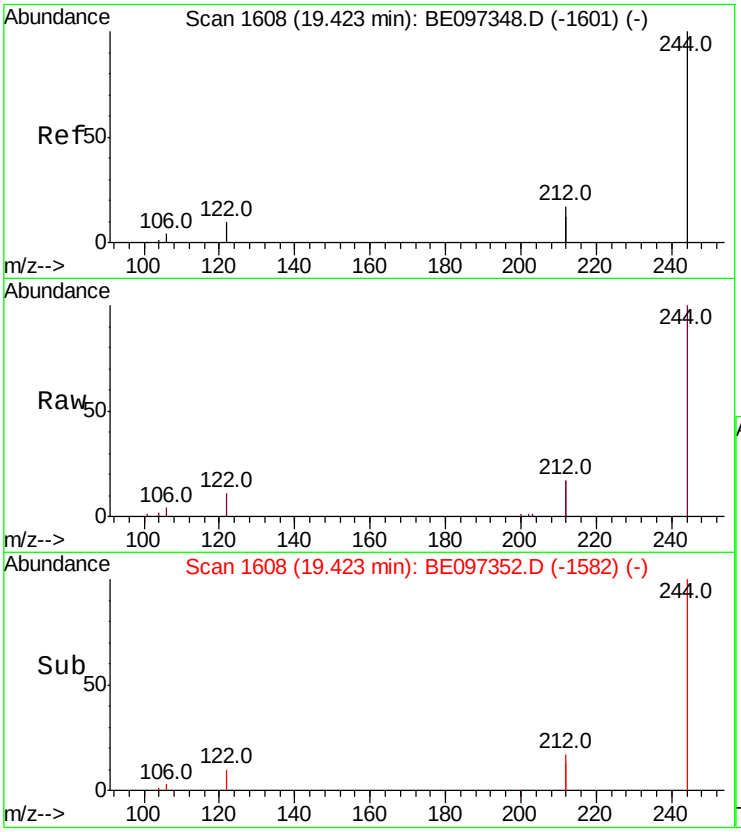


#28
Pyrene
Concen: 0.441 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:202 Resp: 8406

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.4	13.8	20.8



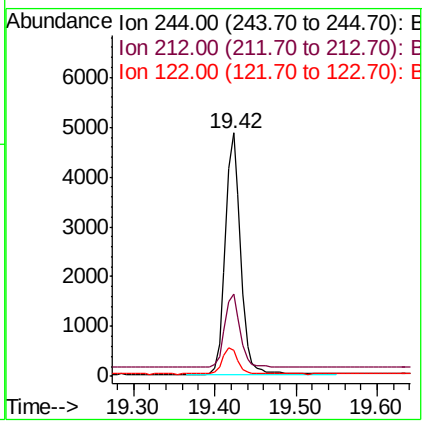


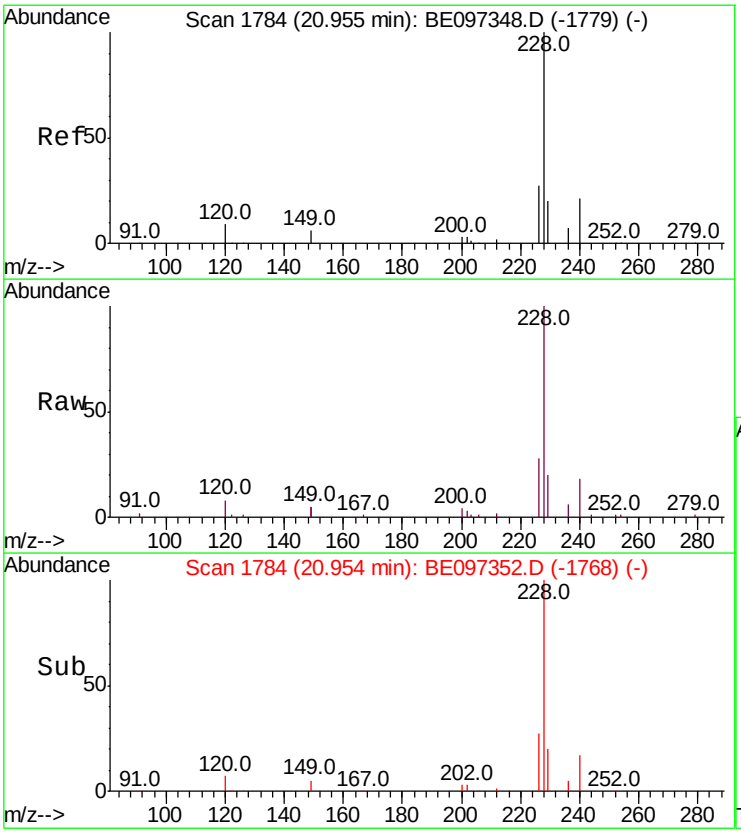
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.42 min Scan# 1608
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:244 Resp: 6291

Ion	Ratio	Lower	Upper
244	100		
212	33.7	25.4	38.0
122	10.8	8.1	12.1

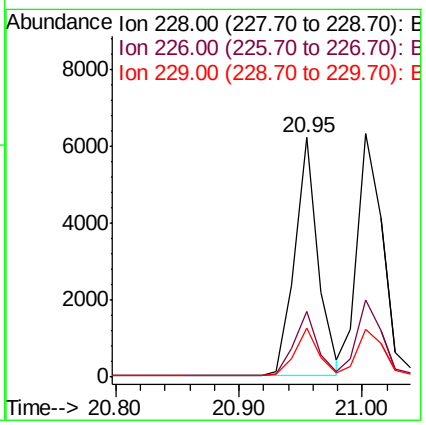


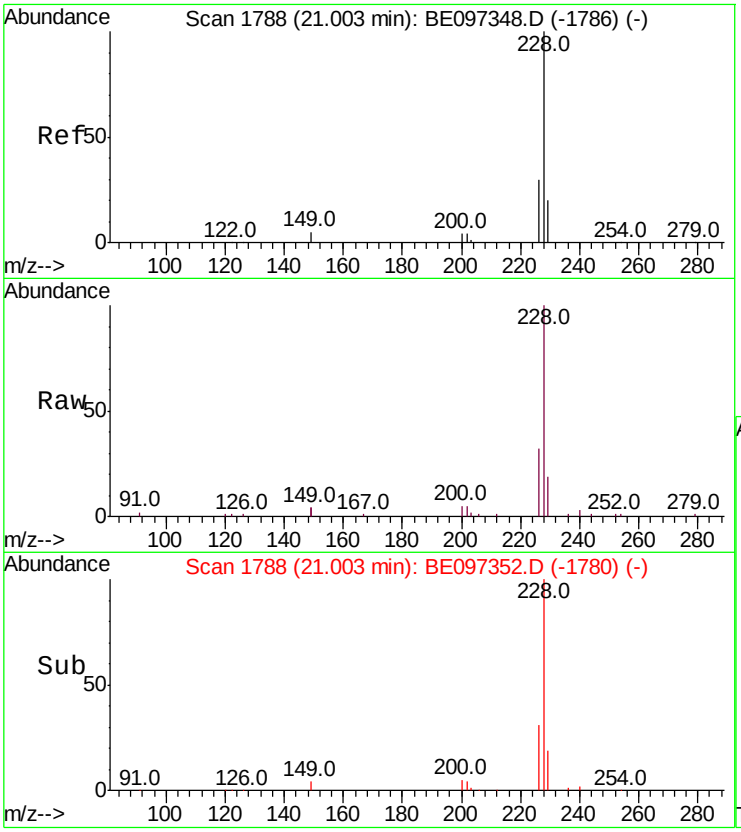


#30
Benzo(a)anthracene
Concen: 0.400 ng
RT: 20.95 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:228 Resp: 8105

Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.0	36.0
229	20.4	16.0	24.0



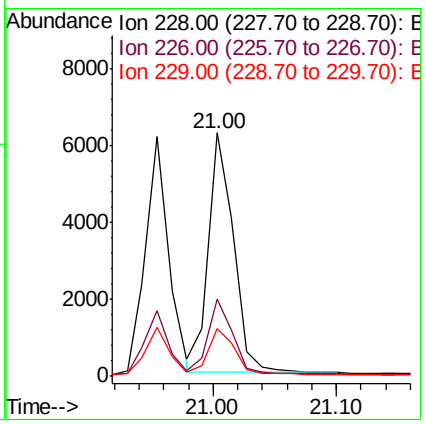


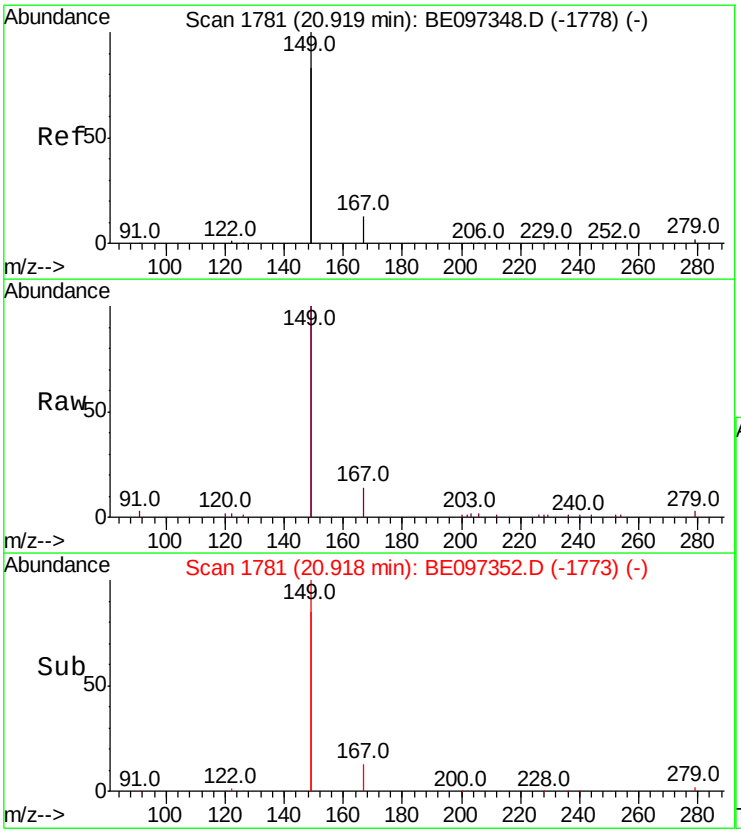
#31
Chrysene
Concen: 0.407 ng
RT: 21.00 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:228 Resp: 8881

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.0	36.0
229	19.4	16.0	24.0

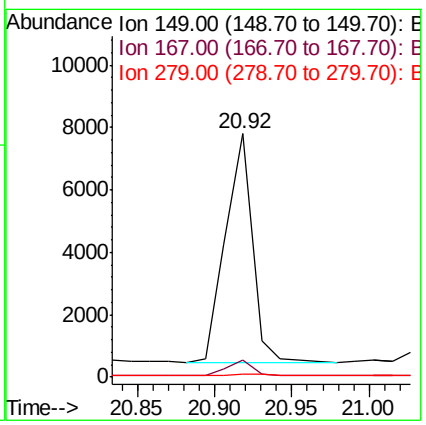


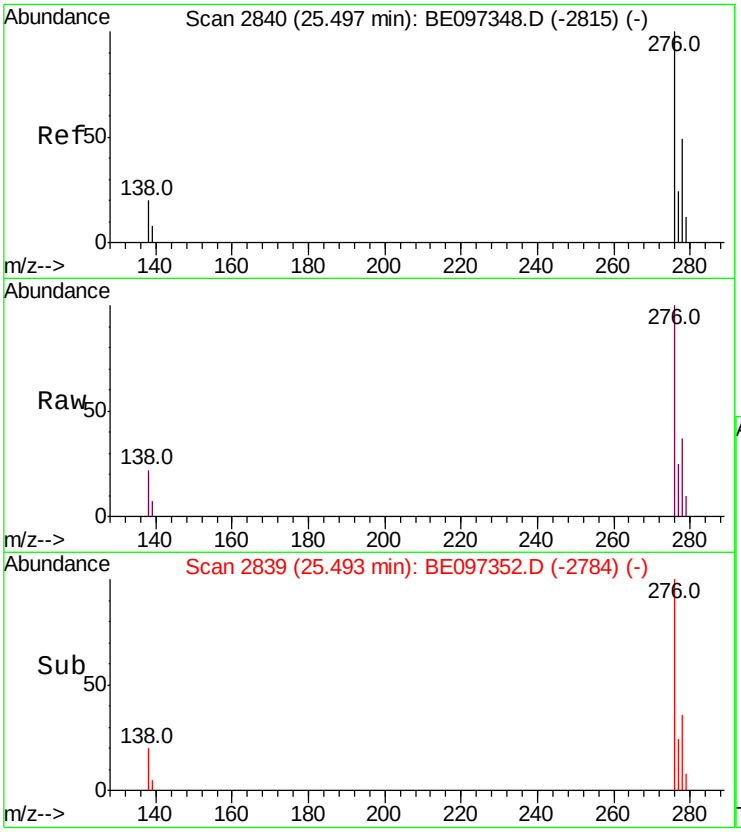


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.389 ng
RT: 20.92 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:149 Resp: 8799

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.1	0.7	1.1#



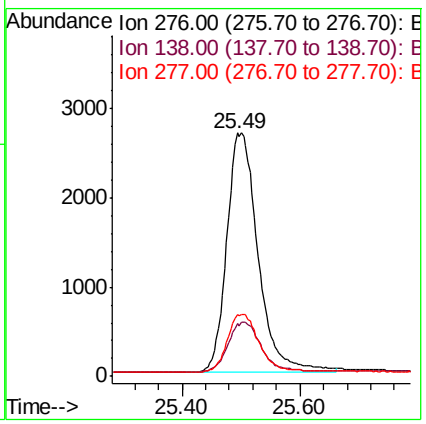


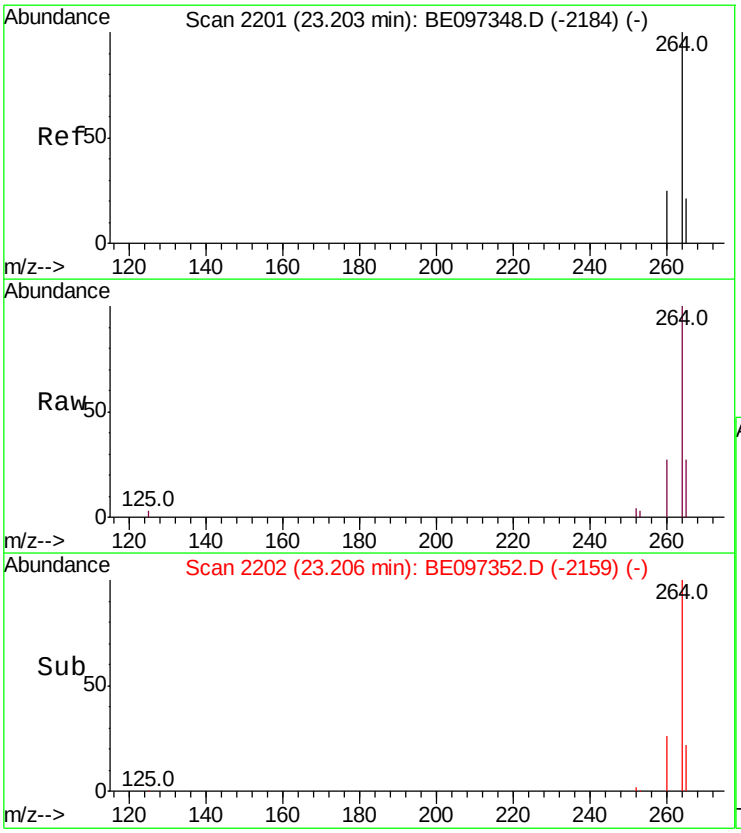
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.352 ng
RT: 25.49 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:276 Resp: 9890

Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.5	33.7#
277	24.8	19.9	29.9

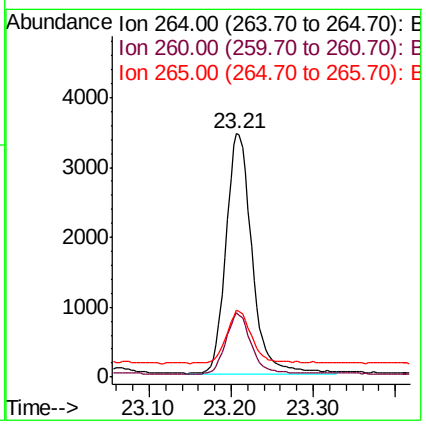


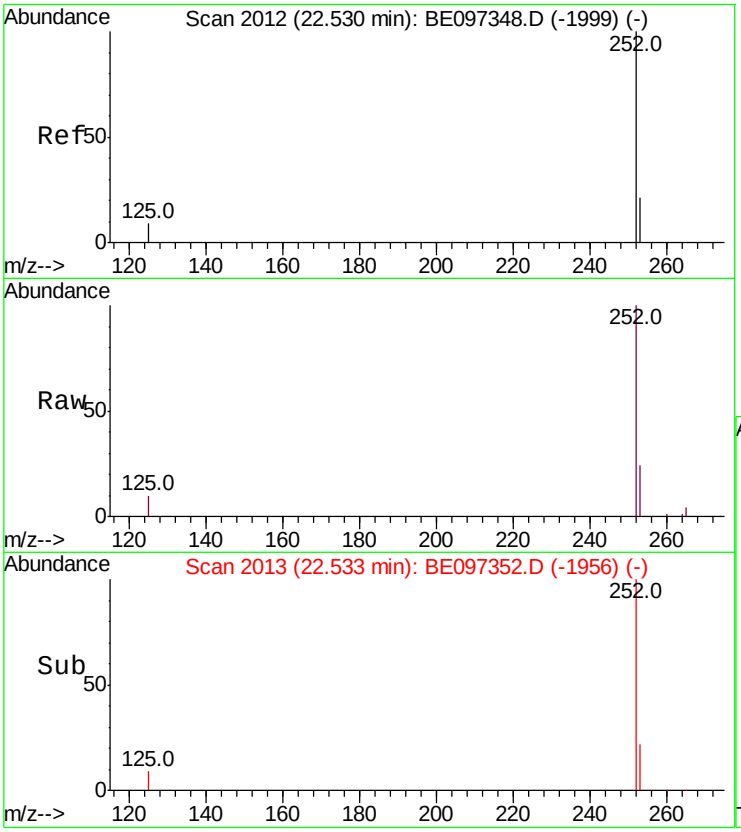


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:264 Resp: 7552

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.5	30.7
265	27.4	22.8	34.2



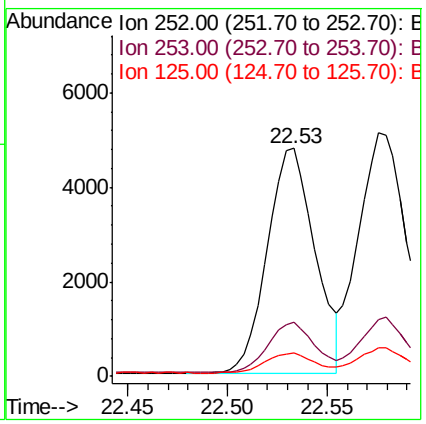


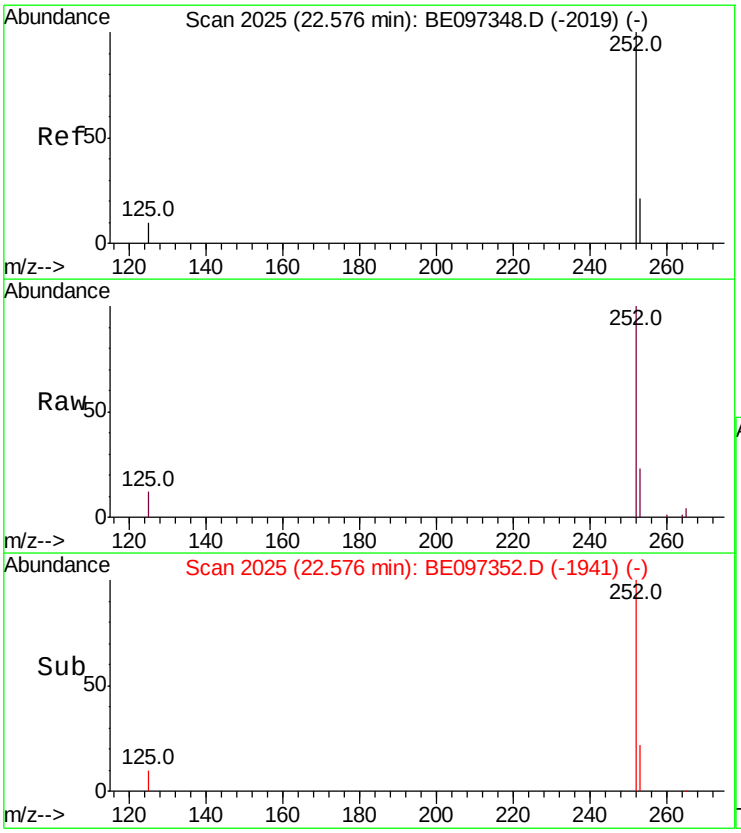
#35
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 22.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:252 Resp: 7920

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	10.5	16.0	24.0#

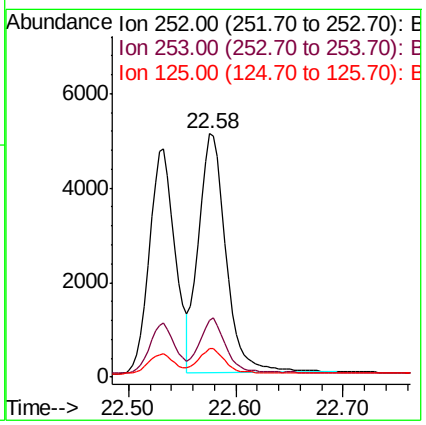


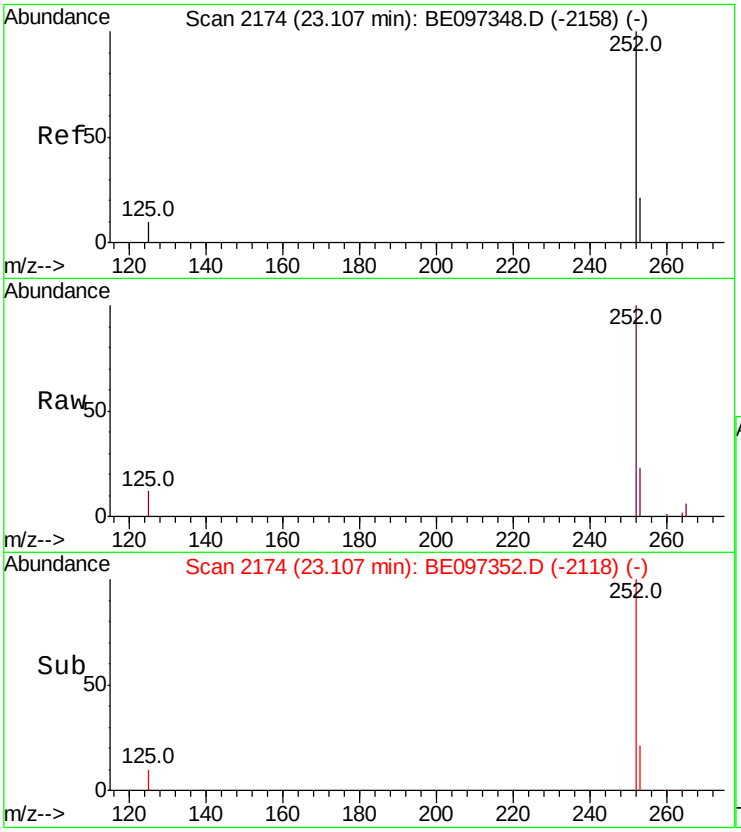


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 22.58 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:252 Resp: 9025

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	11.6	8.0	12.0



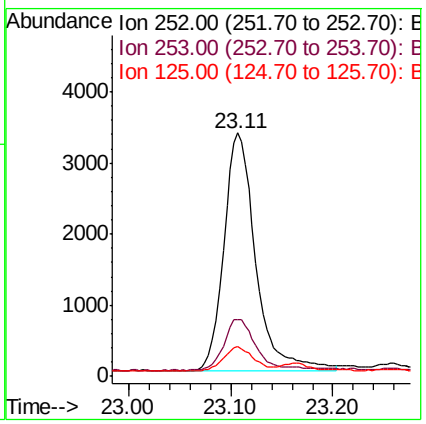


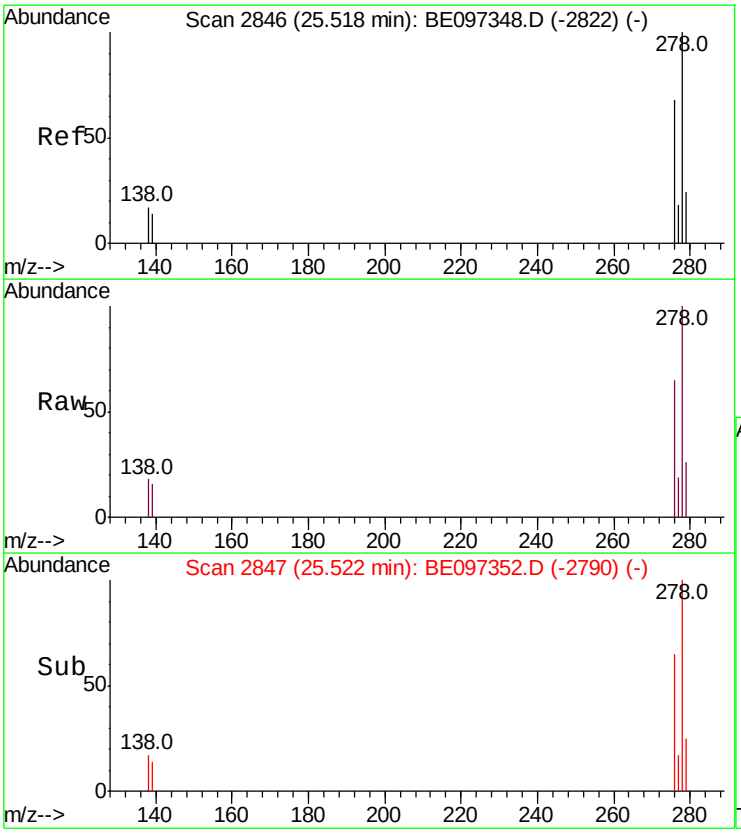
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.11 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:252 Resp: 7263

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.0	24.0
125	12.1	12.0	18.0

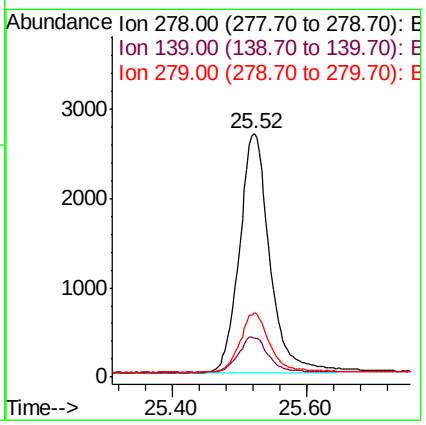


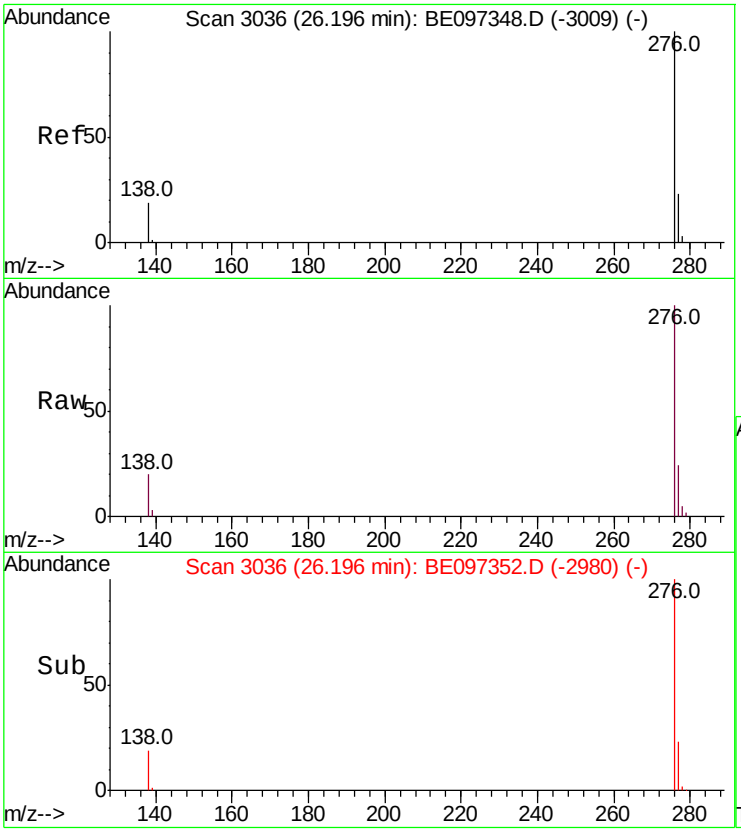


#38
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 25.52 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Tgt Ion:278 Resp: 8388

Ion	Ratio	Lower	Upper
278	100		
139	15.8	16.0	24.0#
279	26.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 26.20 min Scan# 3036
Delta R.T. 0.00 min
Lab File: BE097352.D
Acq: 22 Aug 2018 18:01

Instrument :
BNA_E
ClientSampleId :
ICVBE082218

Tgt Ion:276 Resp: 8512

Ion	Ratio	Lower	Upper
276	100		
277	24.5	16.0	24.0#
138	20.2	20.0	30.0