Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
Data File : BE097355.D
Acq On : 23 Aug 2018 11:29
Operator : SJ/JU
Sample : PB112113BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB112113BS

Quant Time: Aug 23 12:29:10 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	1274	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	5473	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	2372	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	5295	0.40	ng		0.00
27) Chrysene-d12	20.97	240	5047	0.40	ng		0.00
34) Perylene-d12	23.21	264	4860	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1070	0.28	ng		0.00
5) Phenol-d6	6.59	99	1293	0.26	ng		0.00
8) Nitrobenzene-d5	8.52	82	1298	0.33	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	2798	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	112	0.14	ng		0.00
15) 2-Fluorobiphenyl	12.62	172	3565	0.41	ng		0.00
25) Fluoranthene-d10	18.80	212	14814	0.24	ng		0.00
29) Terphenyl-d14	19.42	244	3572	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	549	0.243	ng	#	28
3) n-Nitrosodimethylamine	3.38	42	655	0.310	ng	#	94
6) bis(2-Chloroethyl)ether	6.83	93	1253	0.270	ng		93
9) Naphthalene	10.18	128	15265	0.306	ng		99
10) Hexachlorobutadiene	10.47	225	638	0.286	ng		98
12) 2-Methylnaphthalene	11.79	142	2308	0.294	ng		99
16) Acenaphthylene	13.73	152	2662	0.282	ng		99
17) Acenaphthene	14.07	154	1855	0.295	ng		95
18) Fluorene	15.06	166	2197	0.276	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	713	0.296	ng	#	79
21) Hexachlorobenzene	16.08	284	806	0.303	ng	#	84
22) Pentachlorophenol	16.44	266	305	0.497	ng		85
23) Phenanthrene	16.80	178	3805	0.302	ng		98
24) Anthracene	16.89	178	3160	0.295	ng	#	95
26) Fluoranthene	18.83	202	4062	0.257	ng		99
28) Pyrene	19.20	202	4055	0.338	ng		99
30) Benzo(a)anthracene	20.95	228	3629	0.284	ng		98
31) Chrysene	21.00	228	4178	0.304	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3952	0.303	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	5561	0.305	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	3771	0.294	ng	#	92
36) Benzo(k)fluoranthene	22.58	252	4294	0.303	ng	#	89
37) Benzo(a)pyrene	23.11	252	3478	0.277	ng	#	92
38) Dibenzo(a,h)anthracene	25.52	278	4762	0.315	ng		98
39) Benzo(g,h,i)perylene	26.20	276	4924	0.314	ng	#	91

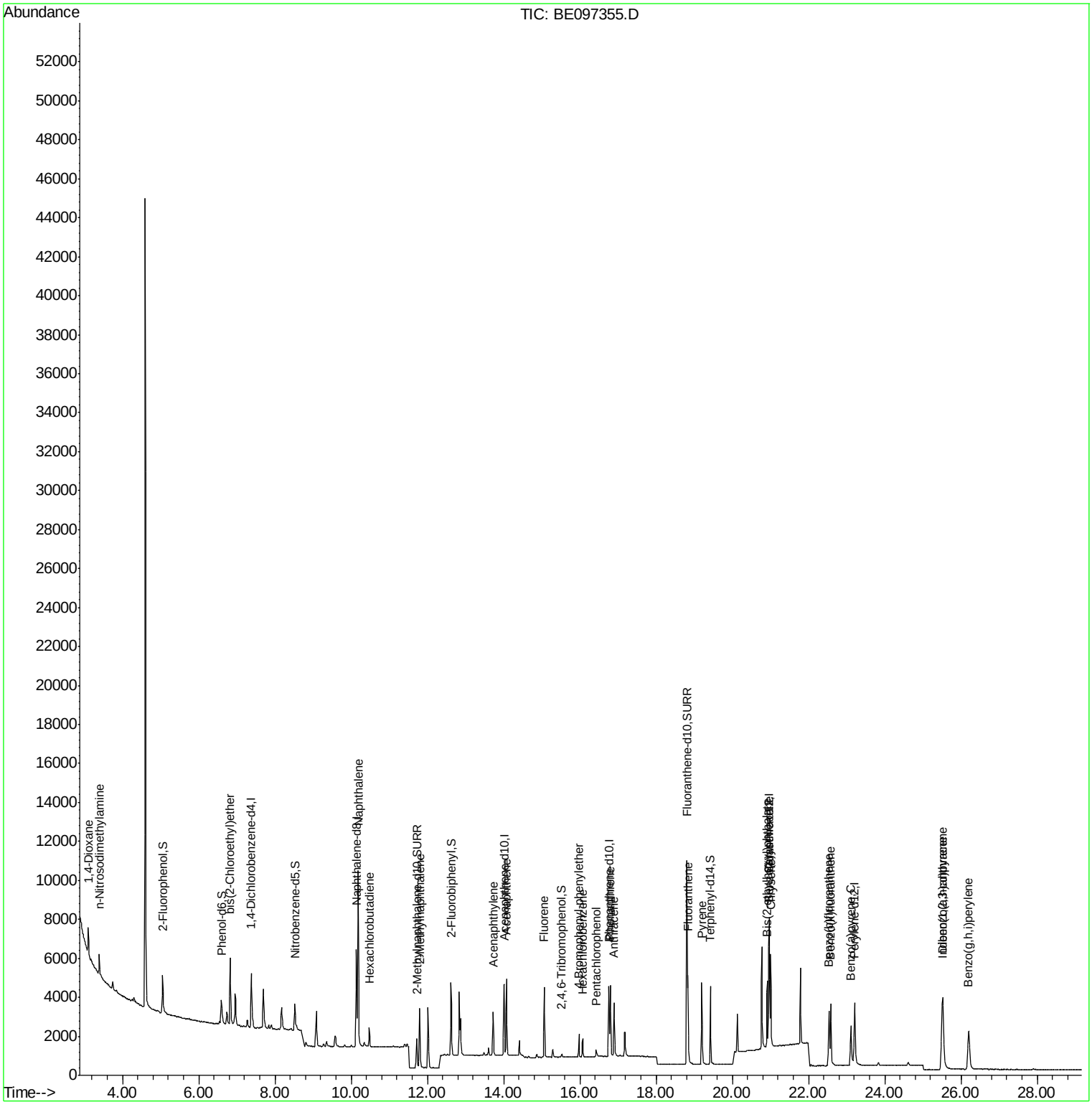
(#) = qualifier out of range (m) = manual integration (+) = signals summed

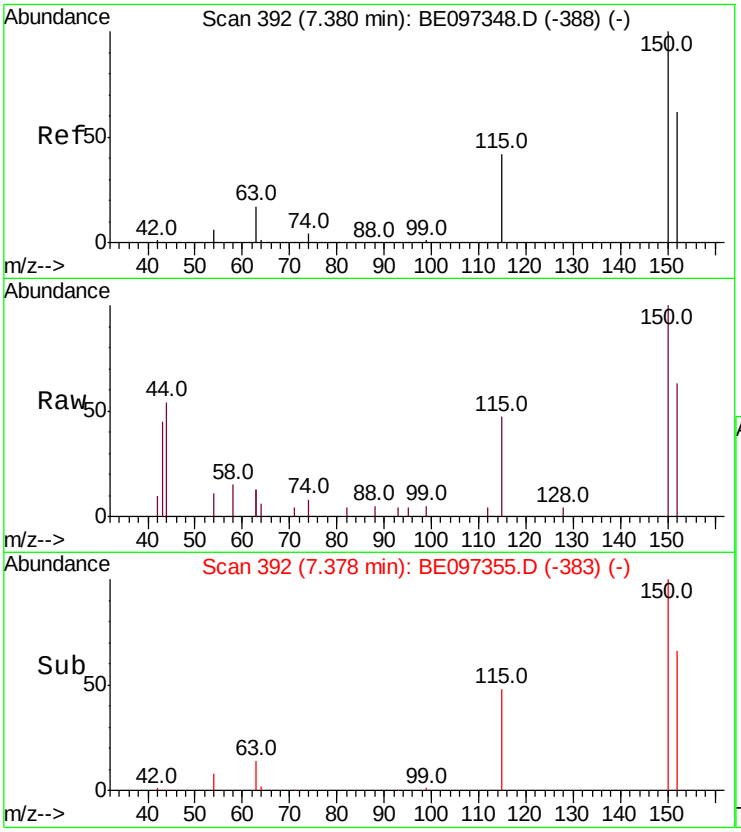
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
Data File : BE097355.D
Acq On : 23 Aug 2018 11:29
Operator : SJ/JU
Sample : PB112113BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Quant Time: Aug 23 12:29:10 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



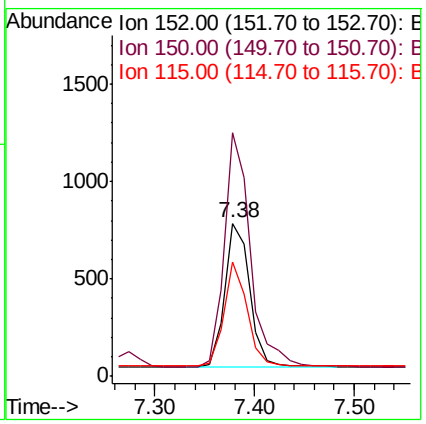


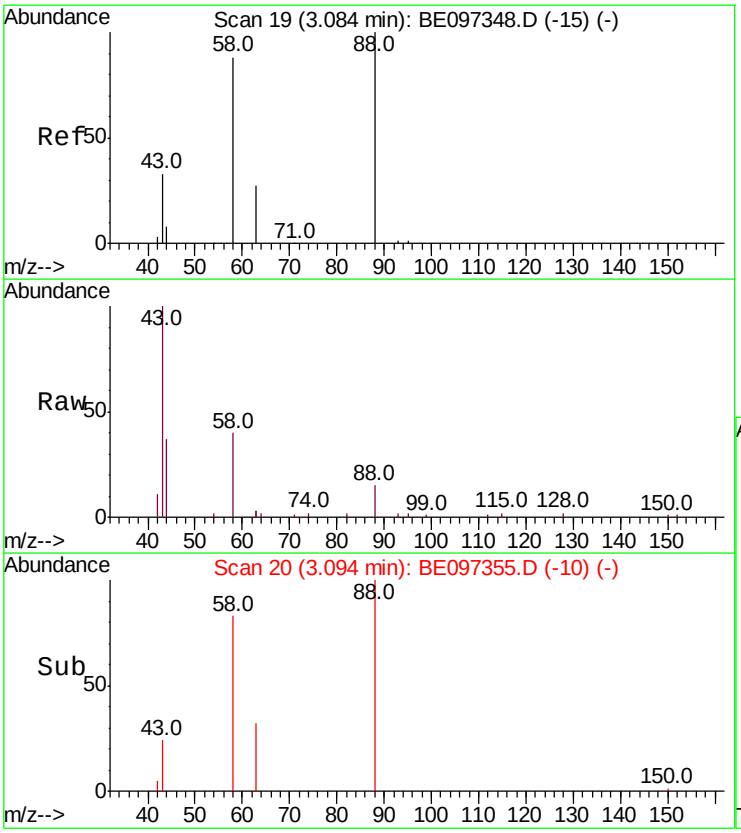
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:152 Resp: 1274

Ion	Ratio	Lower	Upper
152	100		
150	159.4	117.2	175.8
115	75.0	57.0	85.6

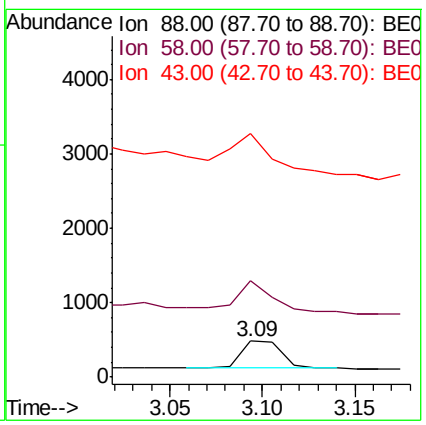


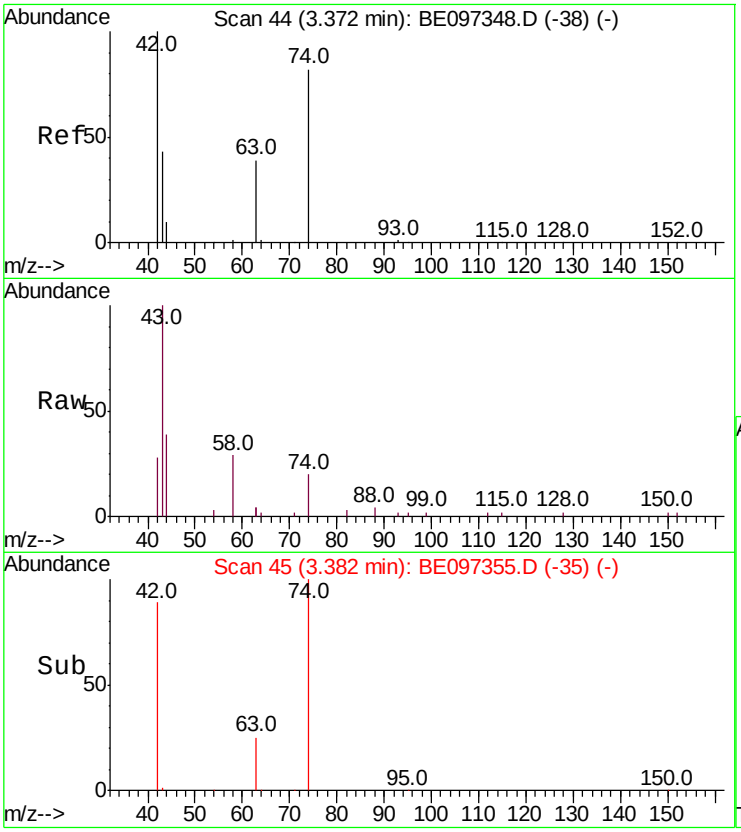


#2
1,4-Dioxane
Concen: 0.243 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion: 88 Resp: 549

Ion	Ratio	Lower	Upper
88	100		
58	98.4	63.2	94.8#
43	155.0	41.2	61.8#



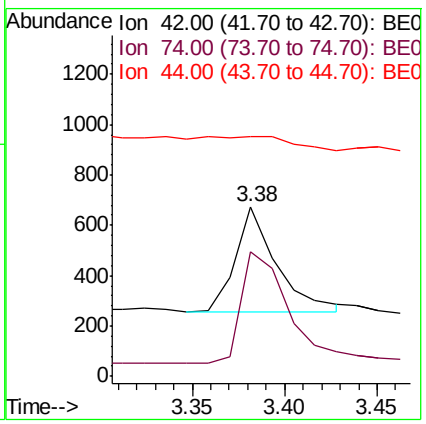


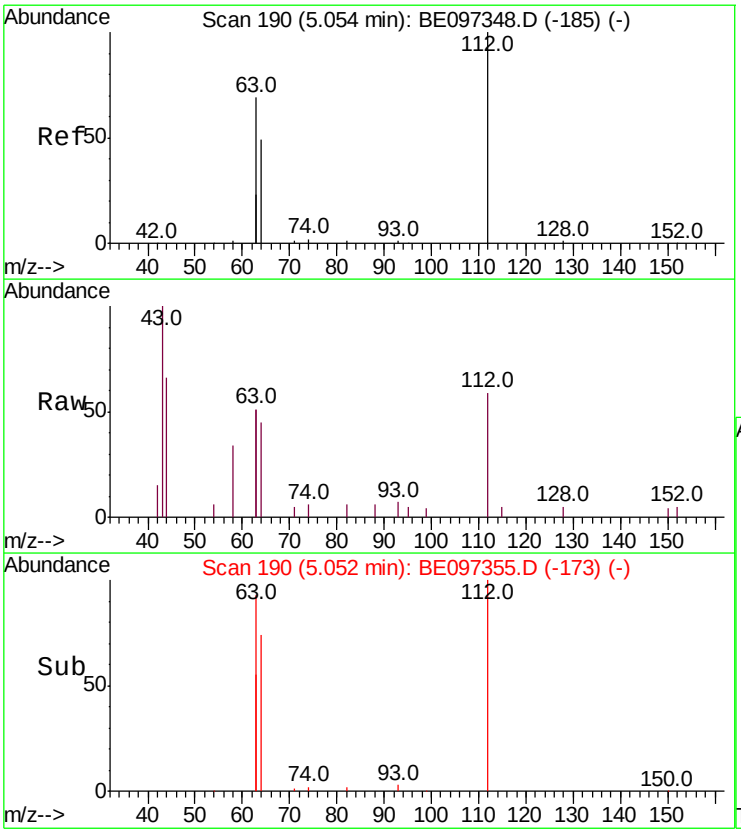
#3
n-Nitrosodimethylamine
Concen: 0.310 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion: 42 Resp: 655

Ion	Ratio	Lower	Upper
42	100		
74	117.6	96.0	144.0
44	0.0	12.0	18.0#

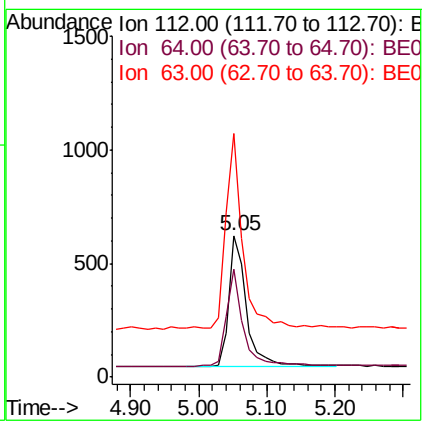


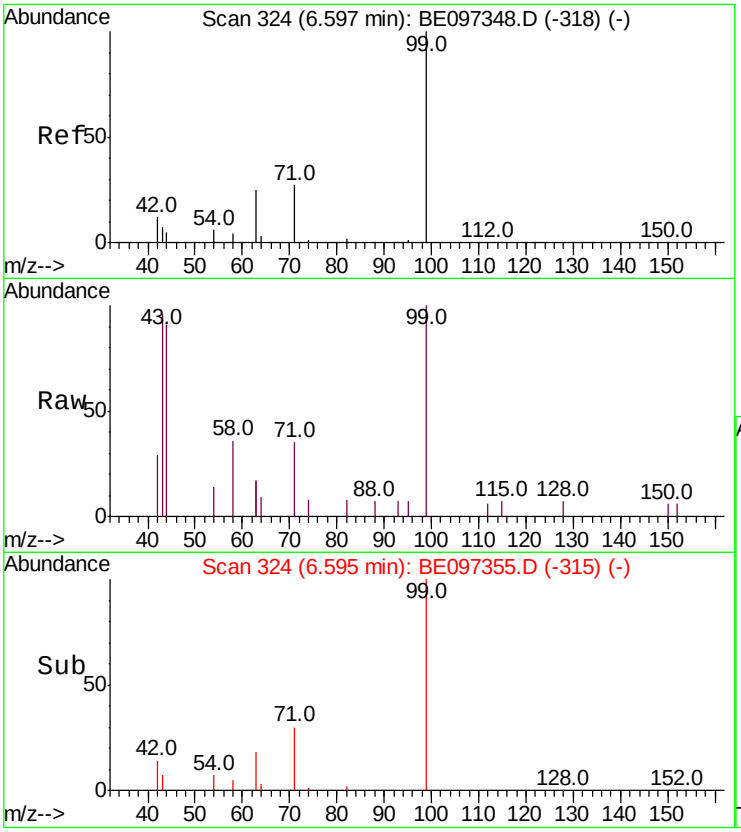


#4
2-Fluorophenol
Concen: 0.284 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:112 Resp: 1070

Ion	Ratio	Lower	Upper
112	100		
64	70.8	60.1	90.1
63	140.3	116.8	175.2



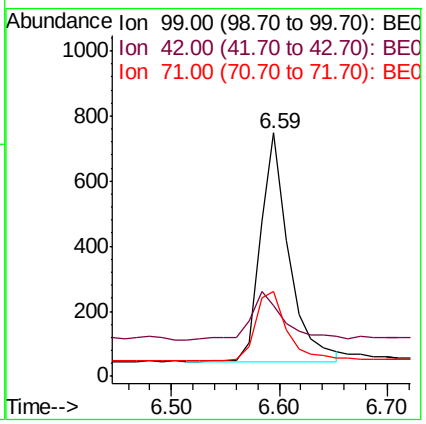


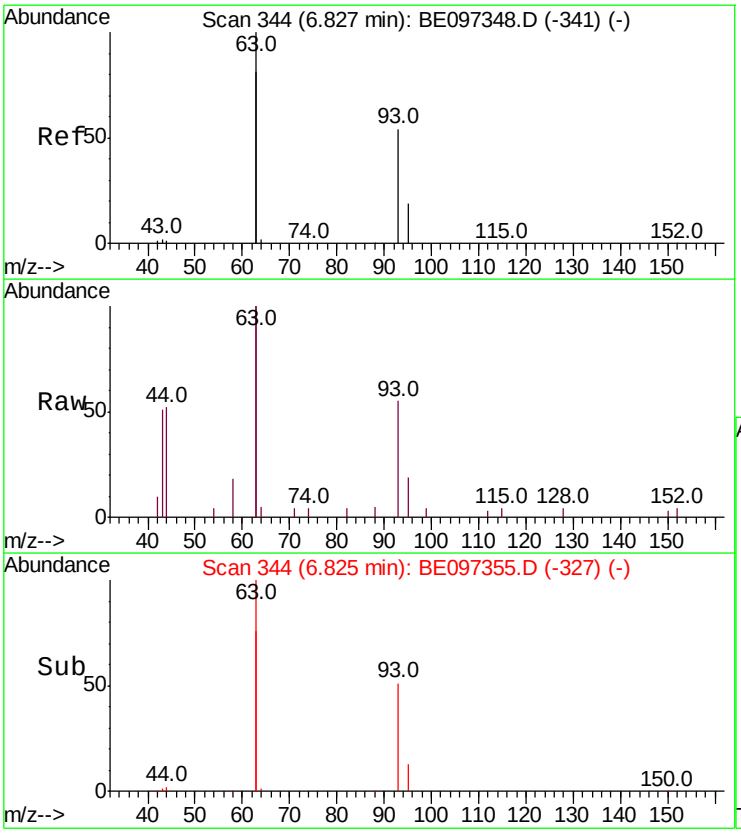
#5
Phenol-d6
Concen: 0.257 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion: 99 Resp: 1293

Ion	Ratio	Lower	Upper
99	100		
42	23.7	20.2	30.2
71	33.5	28.4	42.6

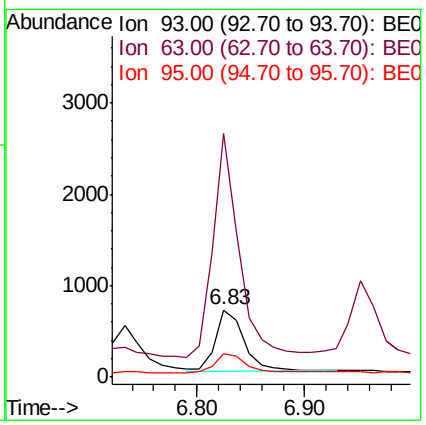


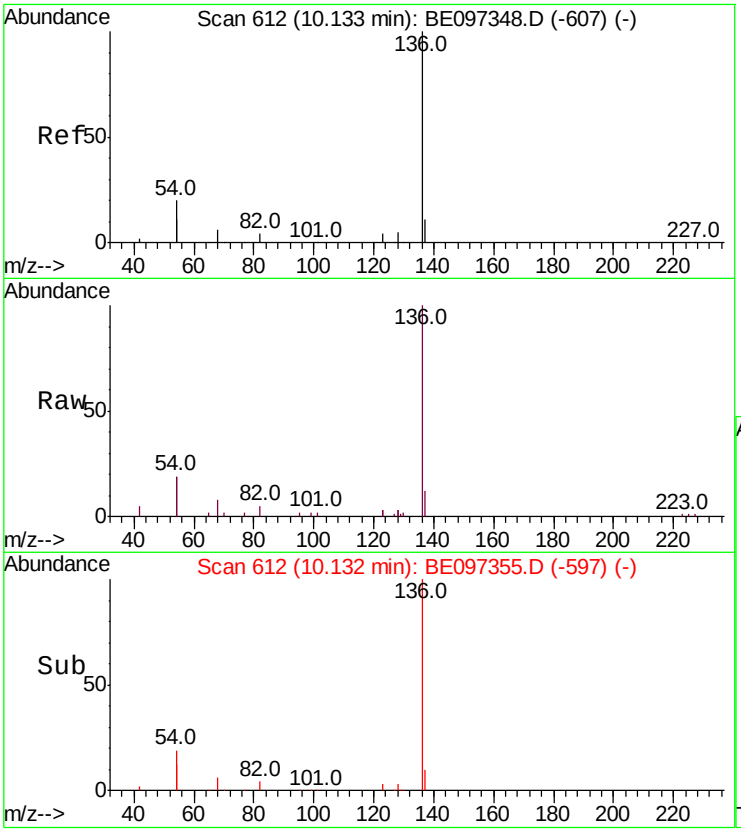


#6
bis(2-Chloroethyl)ether
Concen: 0.270 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion: 93 Resp: 1253

Ion	Ratio	Lower	Upper
93	100		
63	326.9	275.3	412.9
95	32.2	25.2	37.8



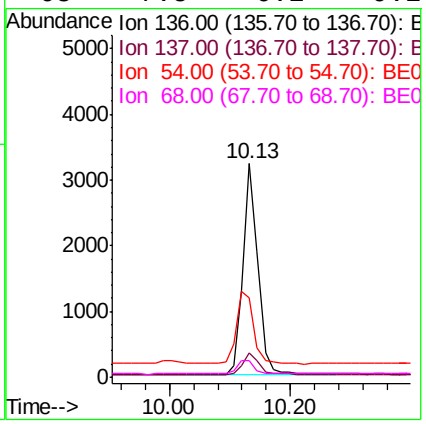


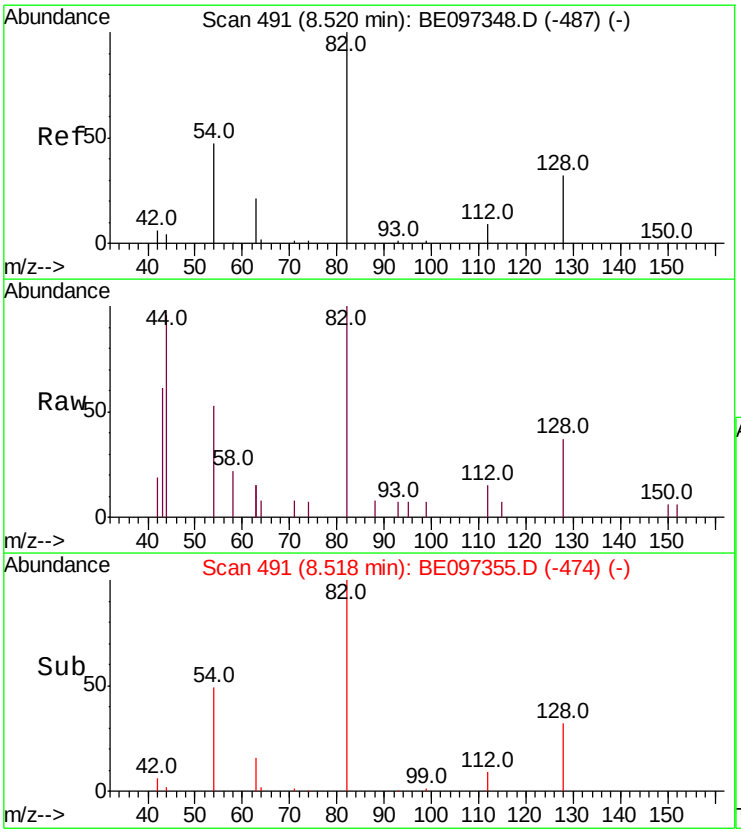
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:136 Resp: 5473

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	37.3	29.1	43.7
68	7.5	6.2	9.2

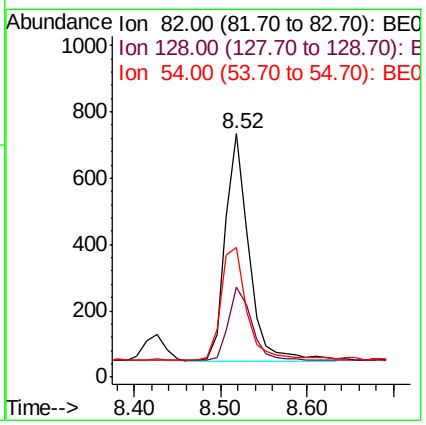


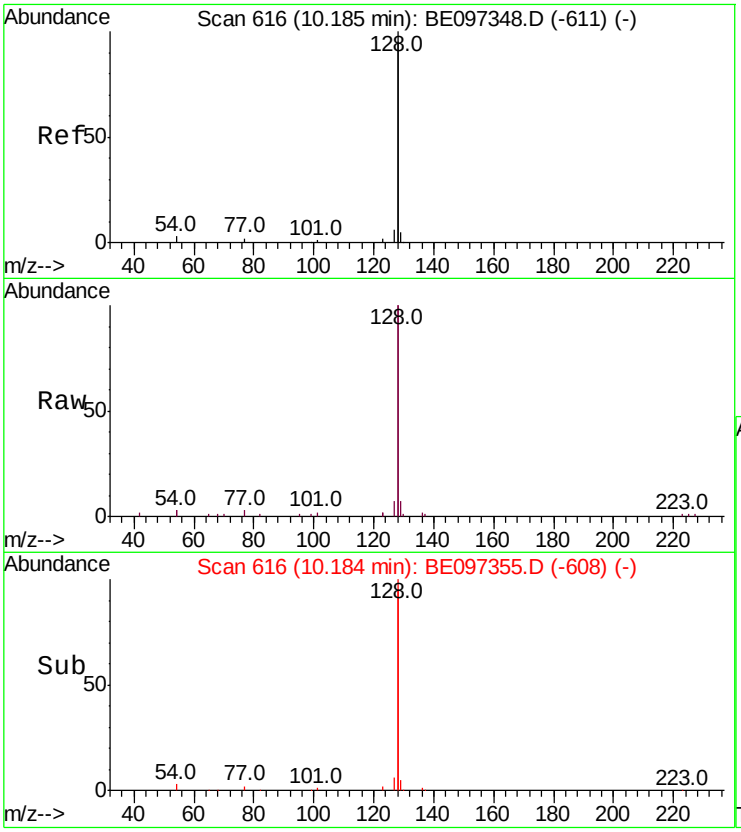


#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion: 82 Resp: 1298

Ion	Ratio	Lower	Upper
82	100		
128	36.9	24.0	36.0#
54	53.4	40.0	60.0



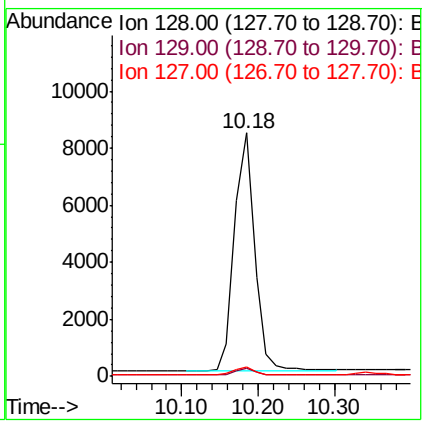


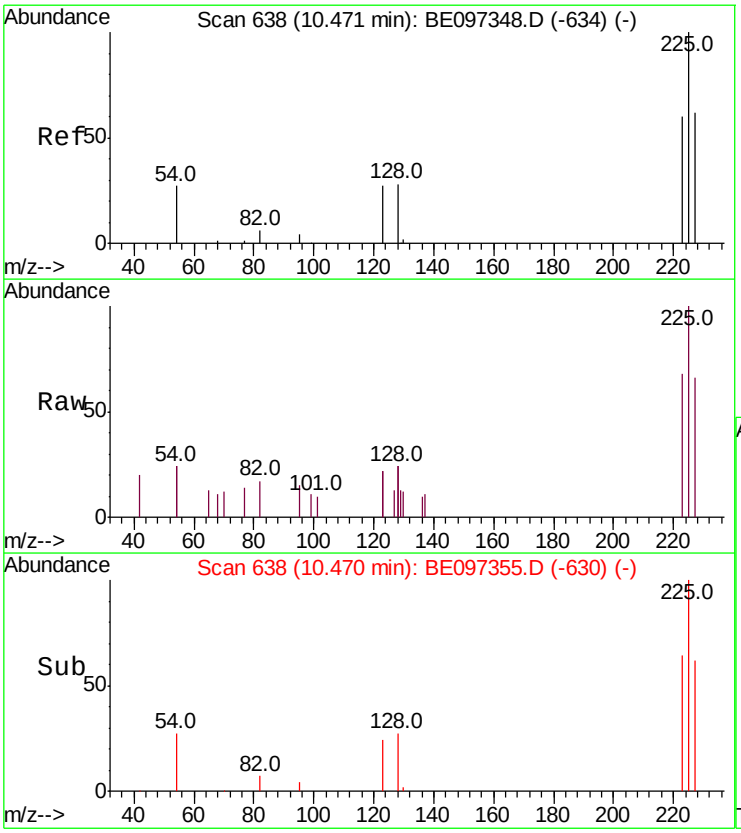
#9
Naphthalene
Concen: 0.306 ng
RT: 10.18 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:128 Resp: 15265

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.7	2.8	4.2

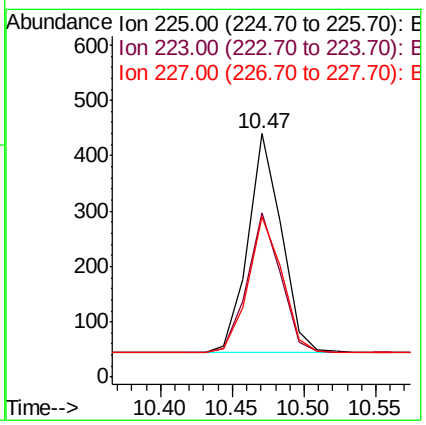


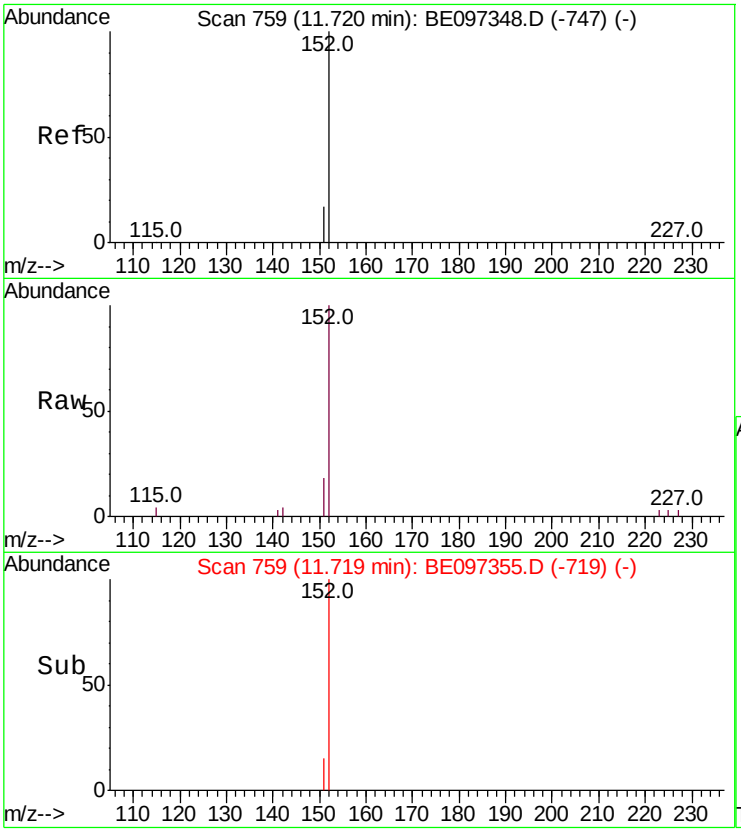


#10
Hexachlorobutadiene
Concen: 0.286 ng
RT: 10.47 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:225 Resp: 638

Ion	Ratio	Lower	Upper
225	100		
223	64.6	53.0	79.6
227	63.3	51.4	77.2



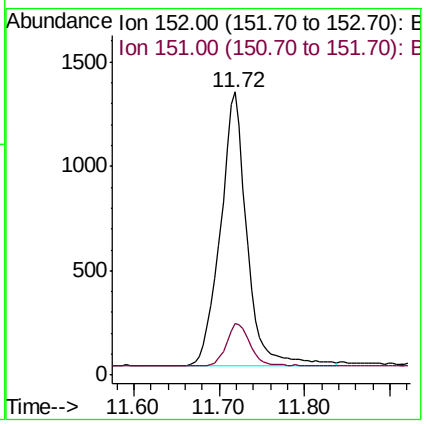


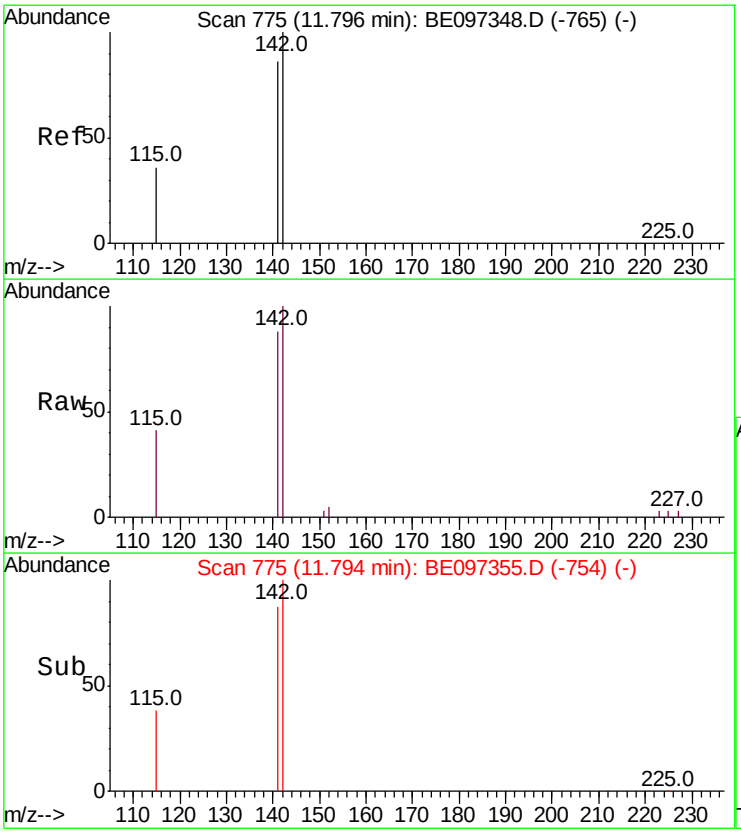
#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 11.72 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:152 Resp: 2798

Ion	Ratio	Lower	Upper
152	100		
151	13.3	15.4	23.0#

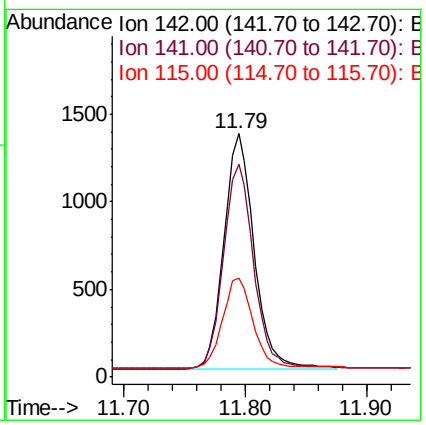


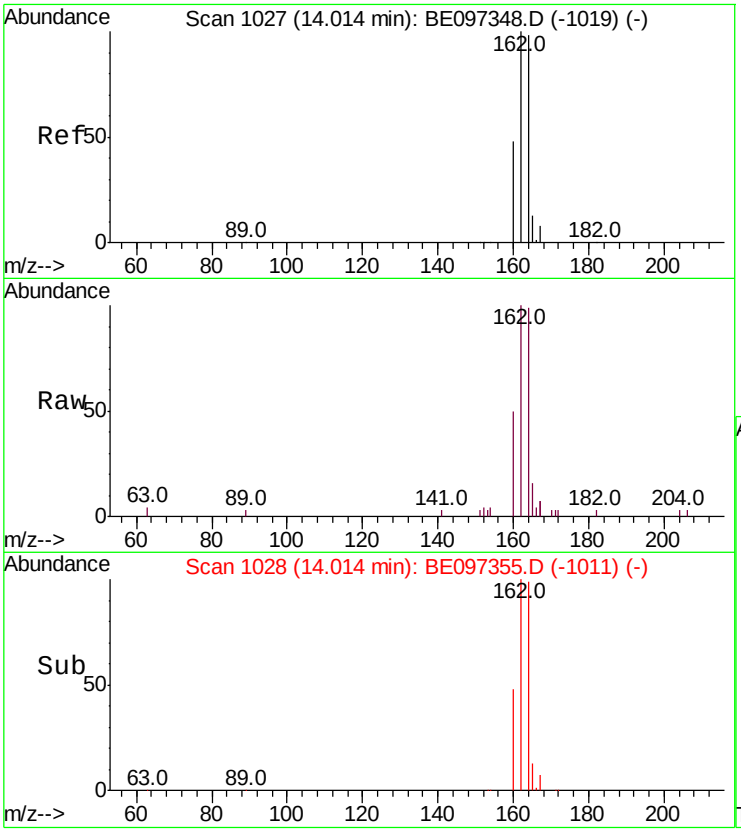


#12
2-Methylnaphthalene
Concen: 0.294 ng
RT: 11.79 min Scan# 775
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:142 Resp: 2308

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.4	105.6
115	40.7	31.7	47.5



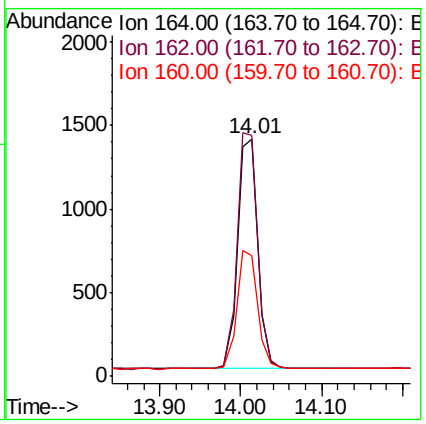


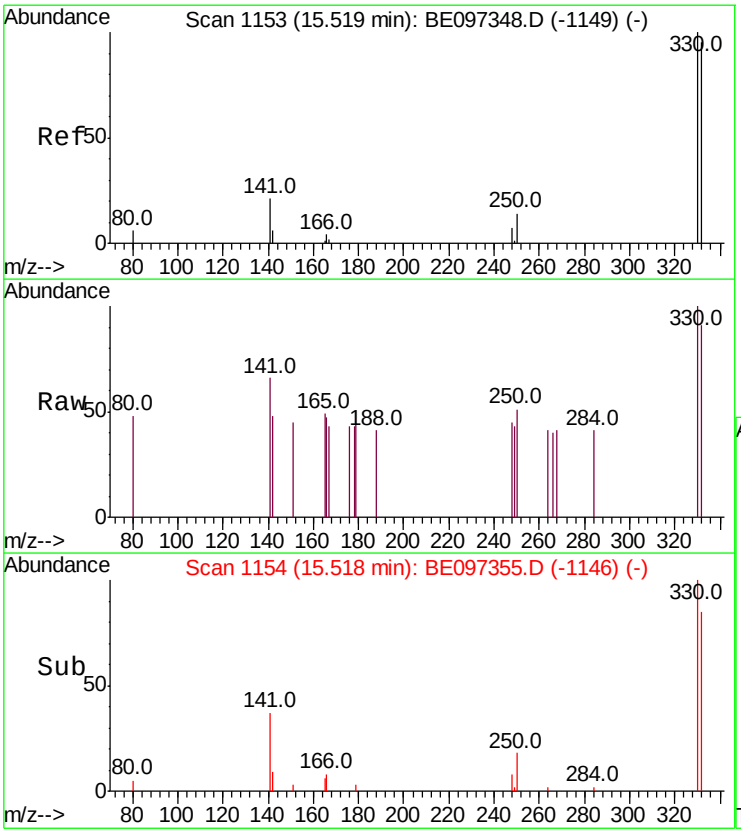
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:164 Resp: 2372

Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.1	124.7
160	50.7	37.1	55.7

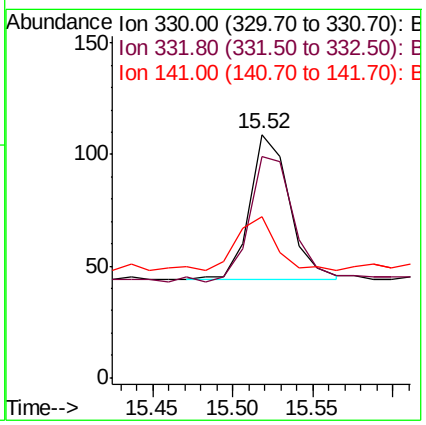


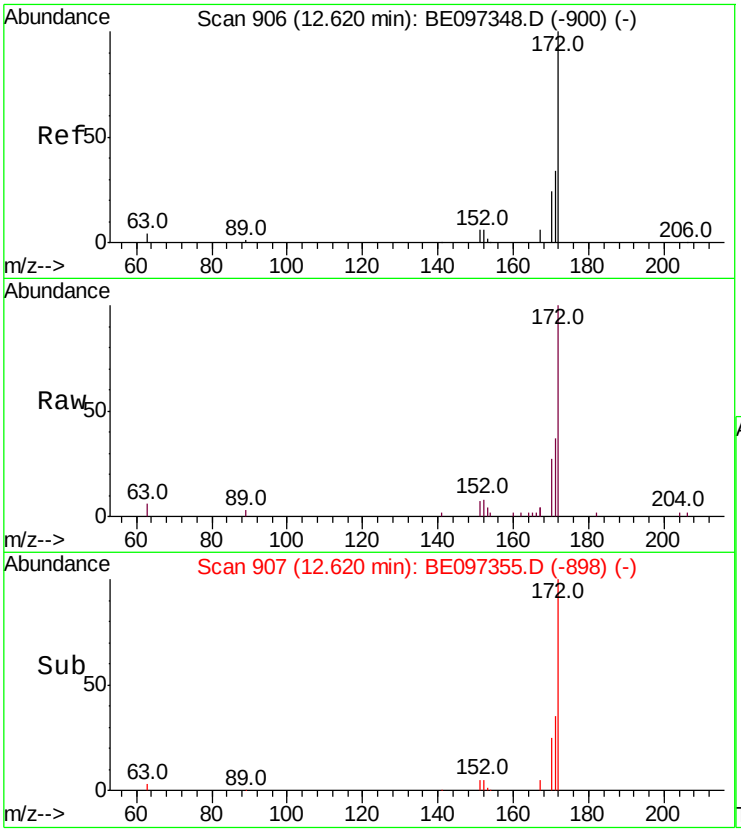


#14
2,4,6-Tribromophenol
Concen: 0.140 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:330 Resp: 112

Ion	Ratio	Lower	Upper
330	100		
332	98.2	152.7	229.1#
141	37.5	33.7	50.5



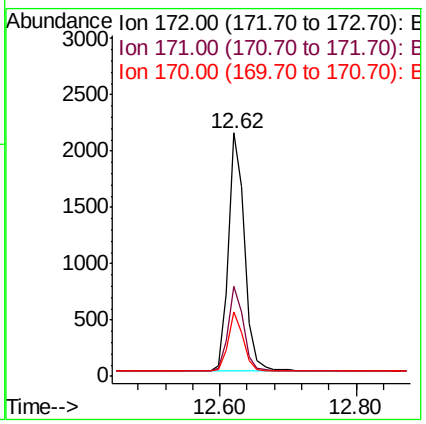


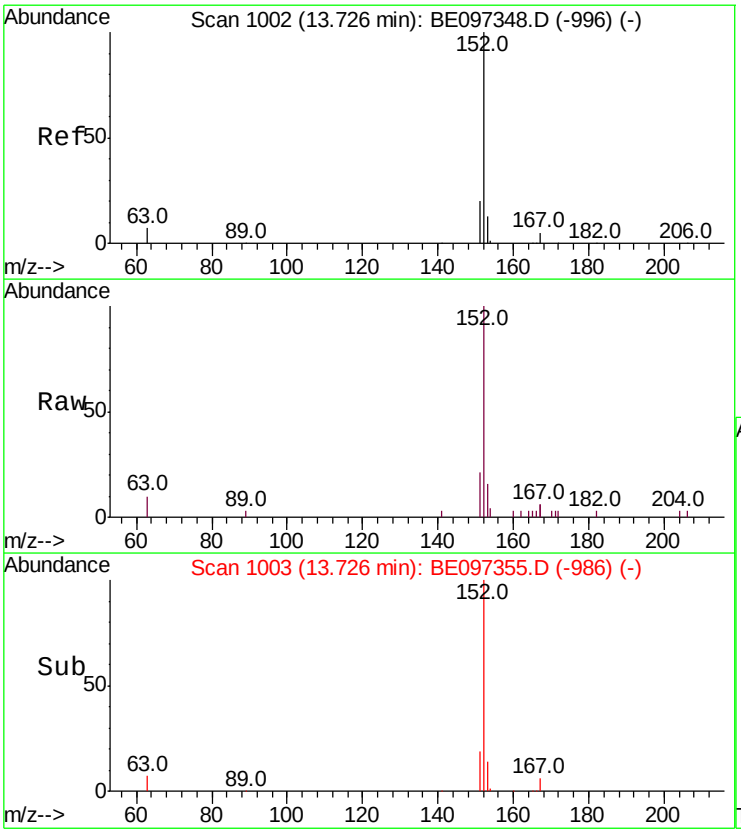
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:172 Resp: 3565

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	26.5	21.8	32.8

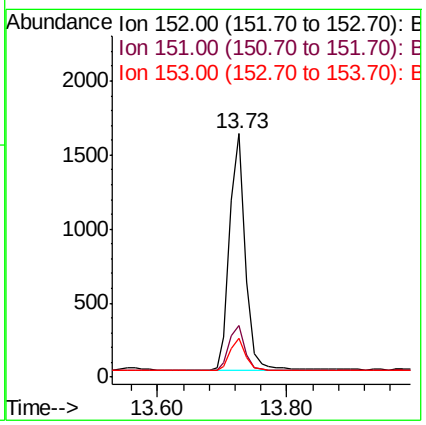


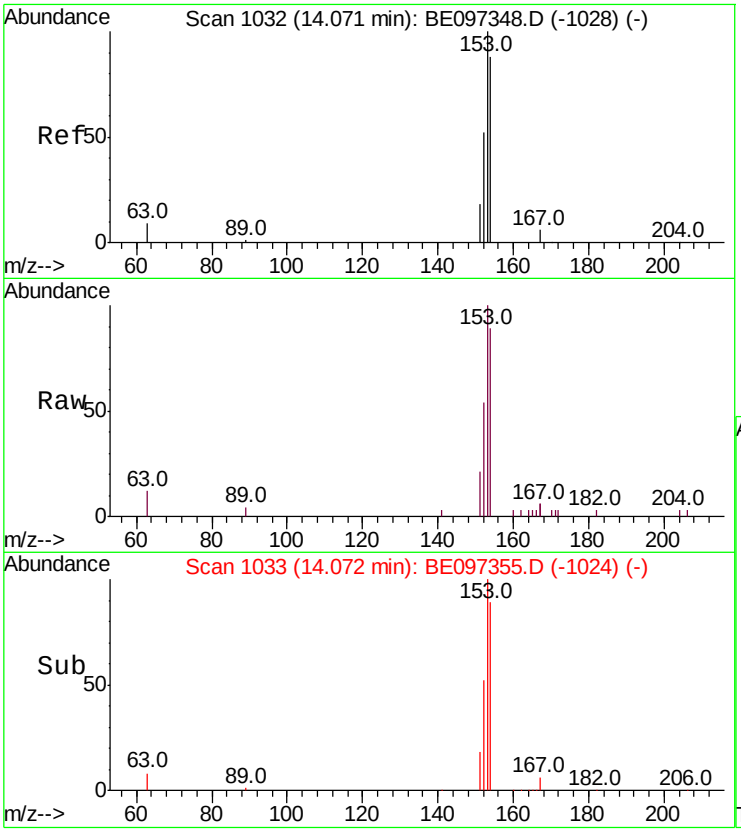


#16
Acenaphthylene
Concen: 0.282 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:152 Resp: 2662

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	13.7	10.5	15.7



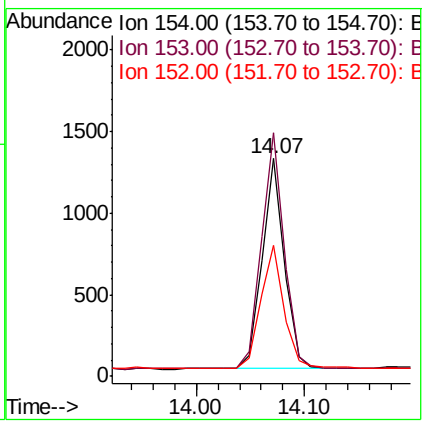


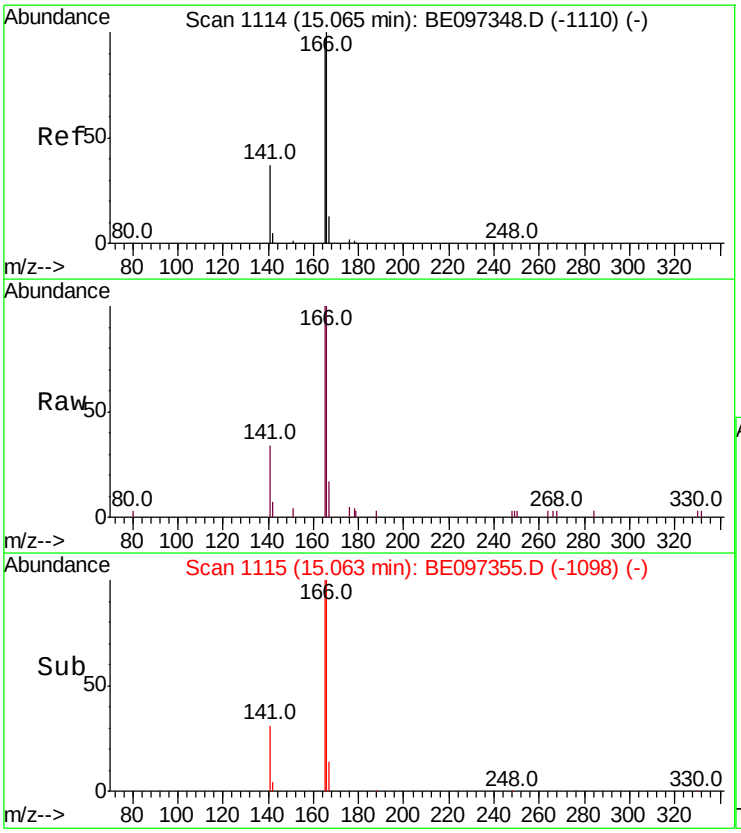
#17
Acenaphthene
Concen: 0.295 ng
RT: 14.07 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:154 Resp: 1855

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	60.2	42.0	63.0

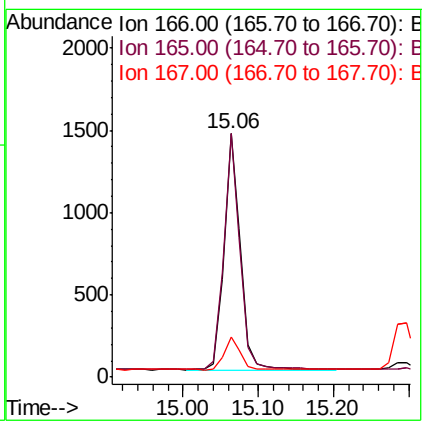


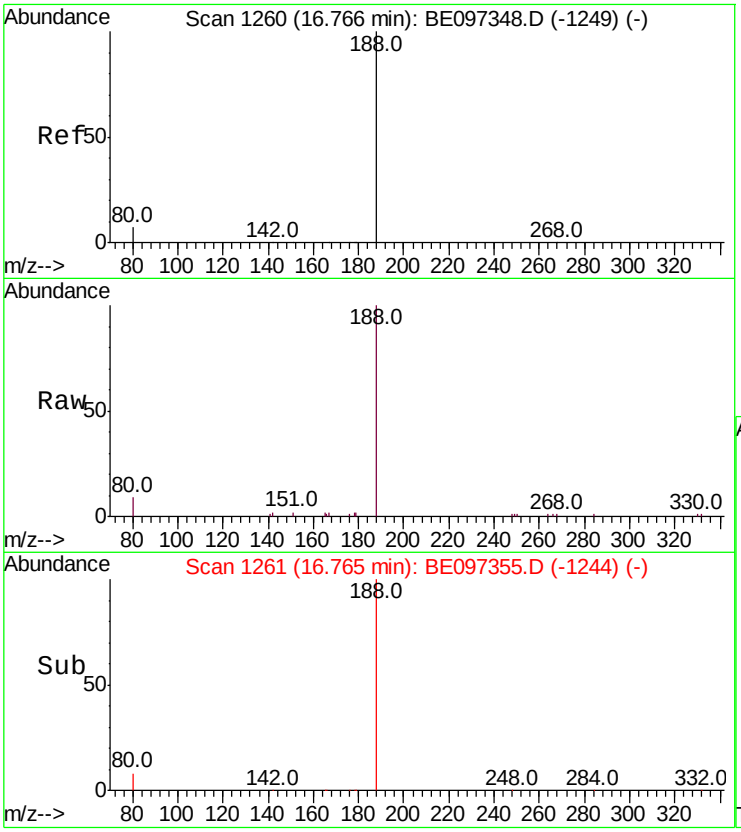


#18
Fluorene
Concen: 0.276 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:166 Resp: 2197

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	13.8	42.4	63.6#



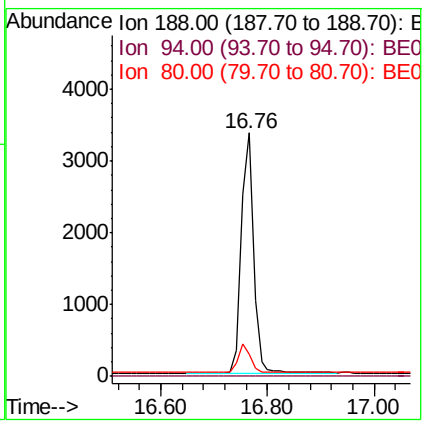


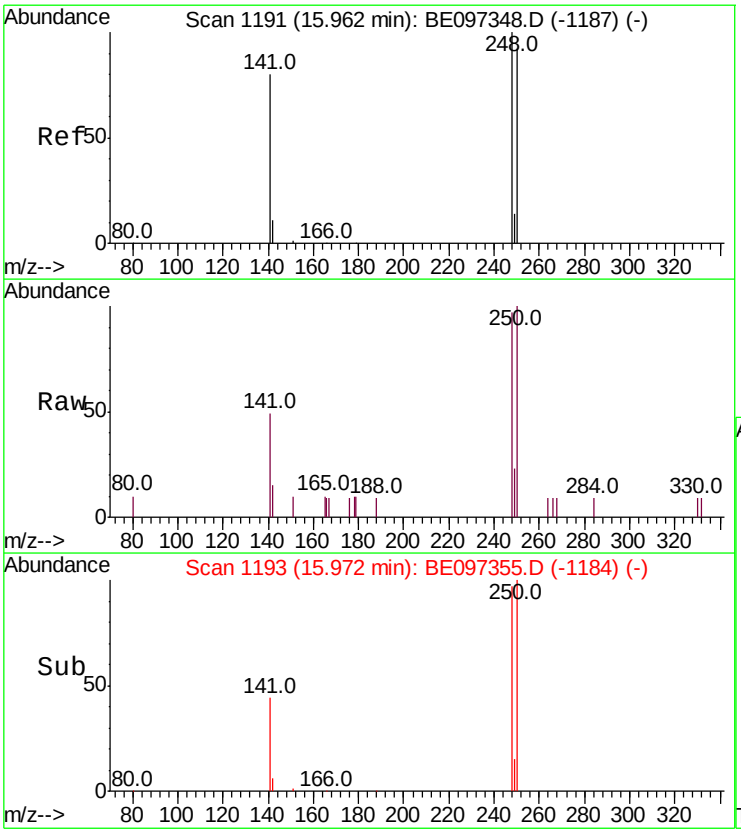
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:188 Resp: 5295

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.0	3.6	5.4#

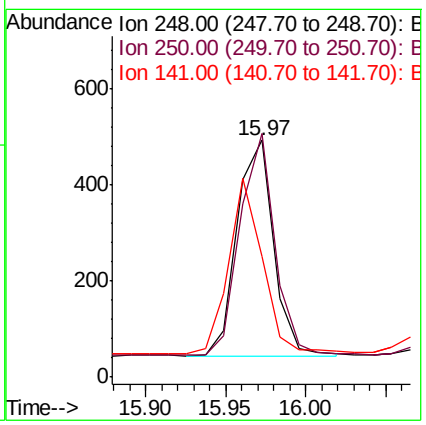


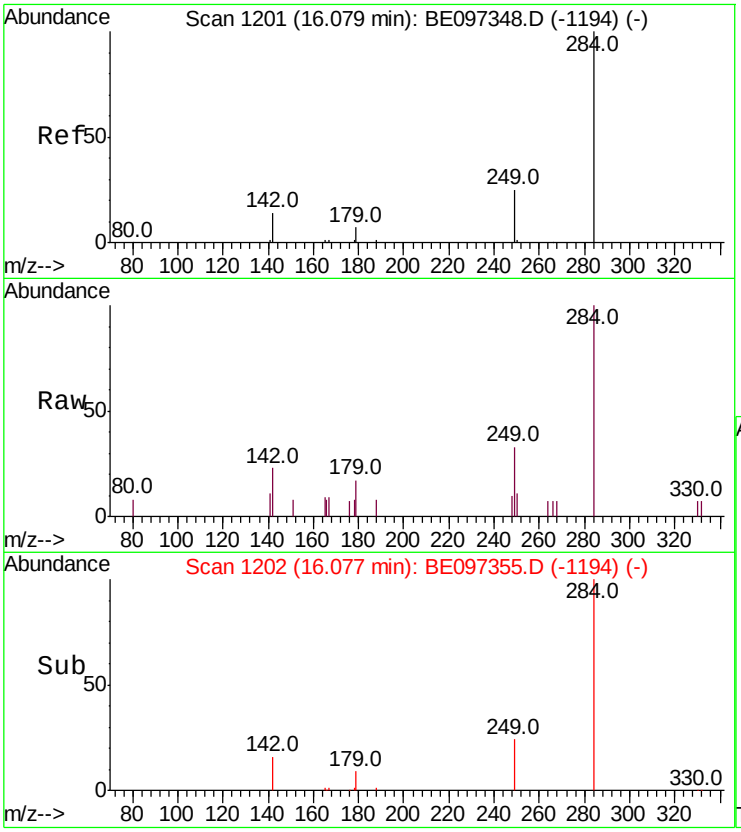


#20
4-Bromophenyl-phenylether
Concen: 0.296 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:248 Resp: 713

Ion	Ratio	Lower	Upper
248	100		
250	102.8	62.7	94.1#
141	50.8	48.2	72.2



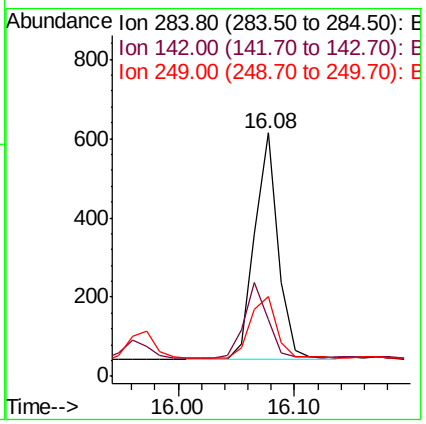


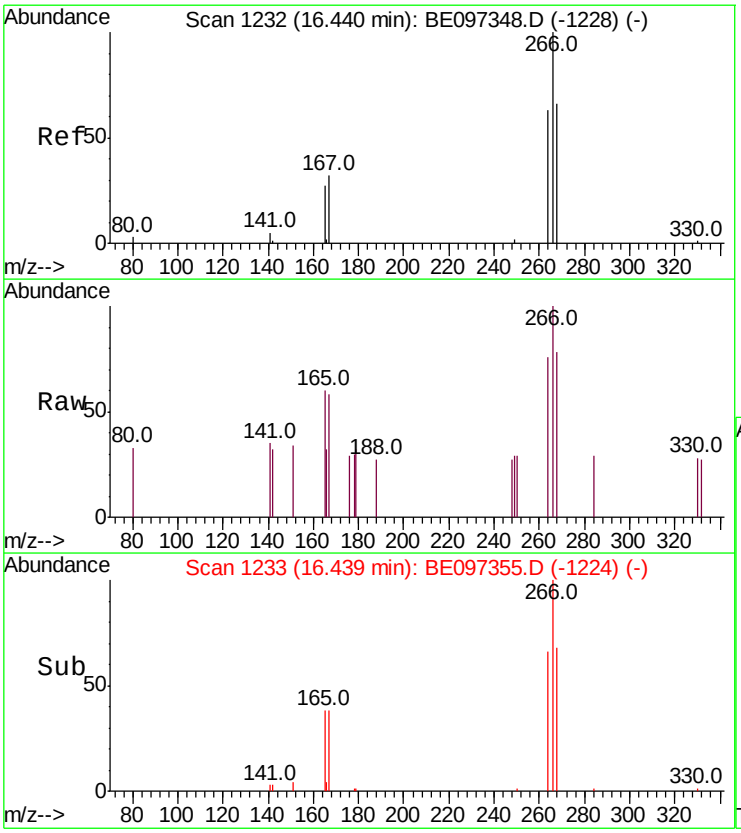
#21
Hexachlorobenzene
Concen: 0.303 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:284 Resp: 806

Ion	Ratio	Lower	Upper
284	100		
142	32.3	22.1	33.1
249	30.8	34.8	52.2#

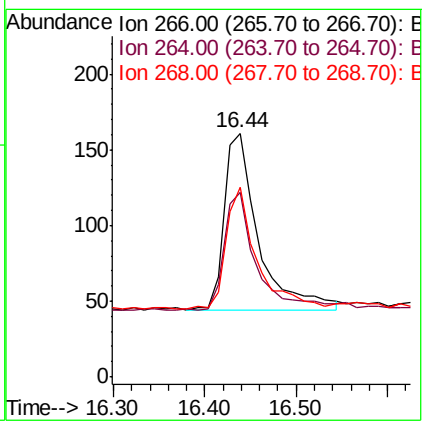


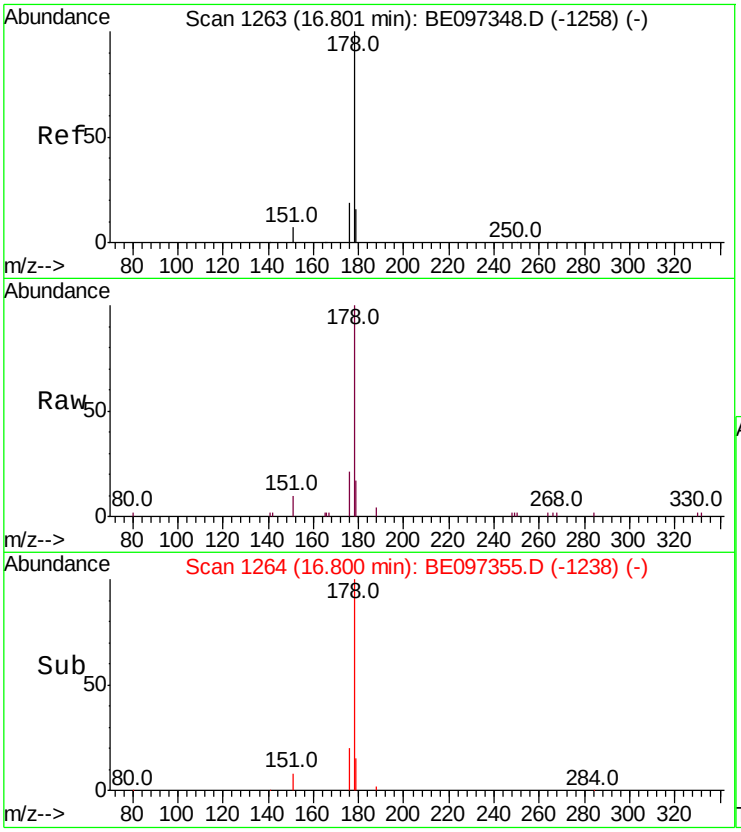


#22
Pentachlorophenol
Concen: 0.497 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:266 Resp: 305

Ion	Ratio	Lower	Upper
266	100		
264	75.8	72.5	108.7
268	77.6	73.8	110.6



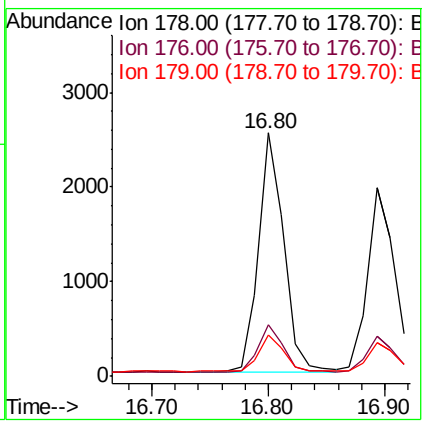


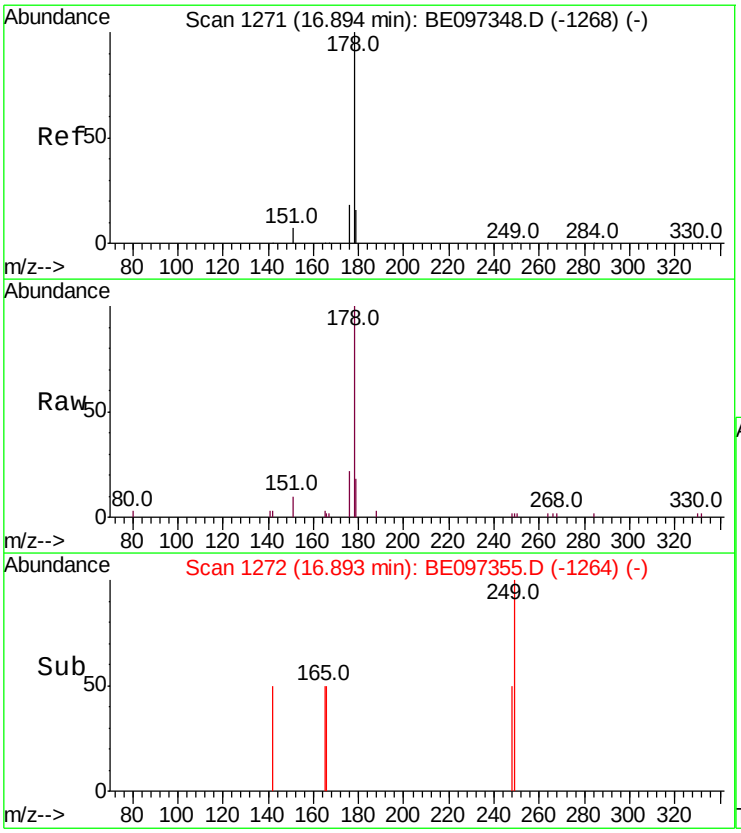
#23
Phenanthrene
Concen: 0.302 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:178 Resp: 3805

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.4	11.8	17.6

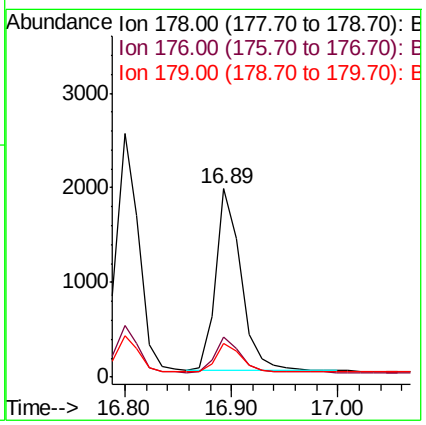


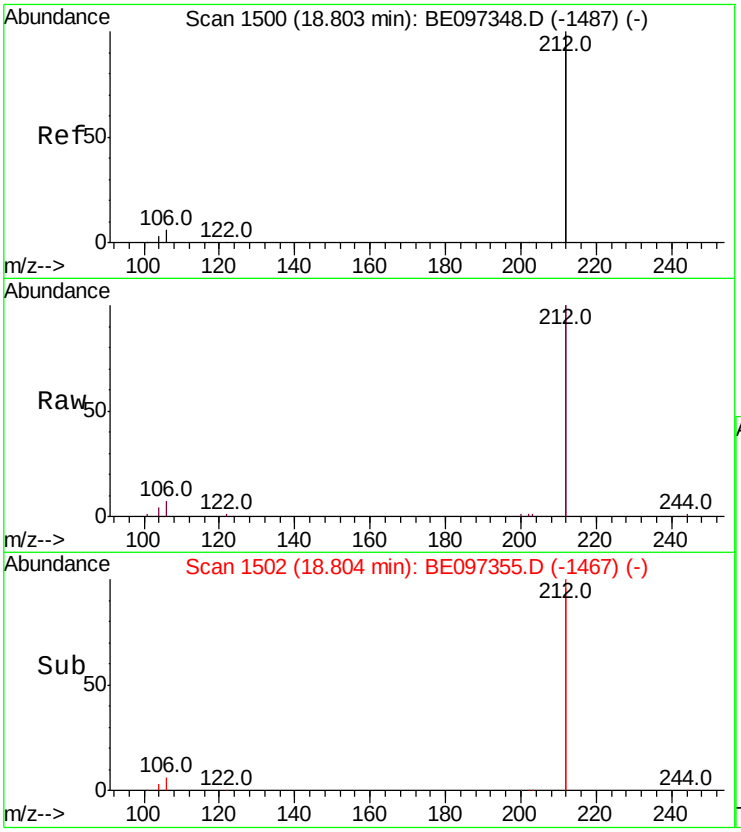


#24
Anthracene
Concen: 0.295 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:178 Resp: 3160

Ion	Ratio	Lower	Upper
178	100		
176	19.6	12.8	19.2#
179	15.6	13.0	19.6



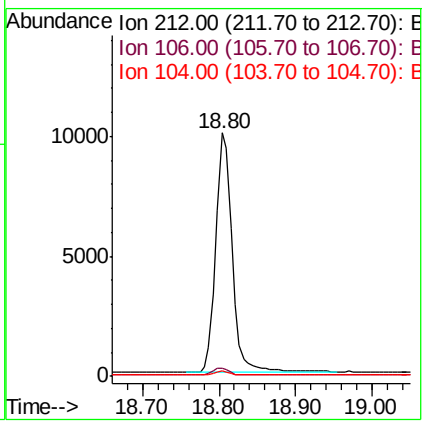


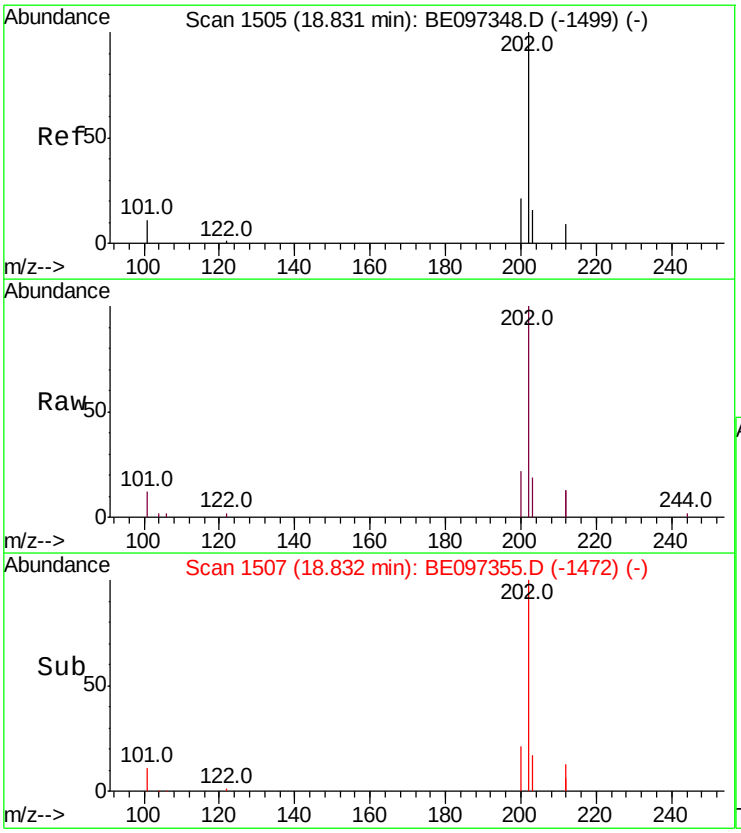
#25
Fluoranthene-d10
Concen: 0.244 ng
RT: 18.80 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:212 Resp: 14814

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

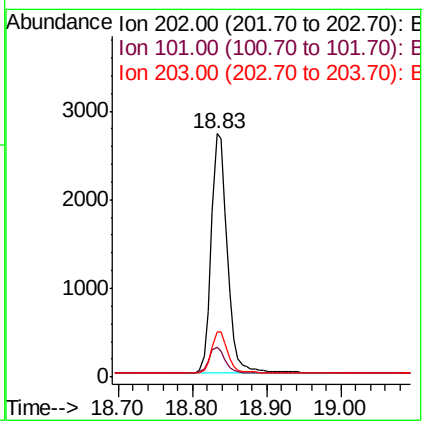


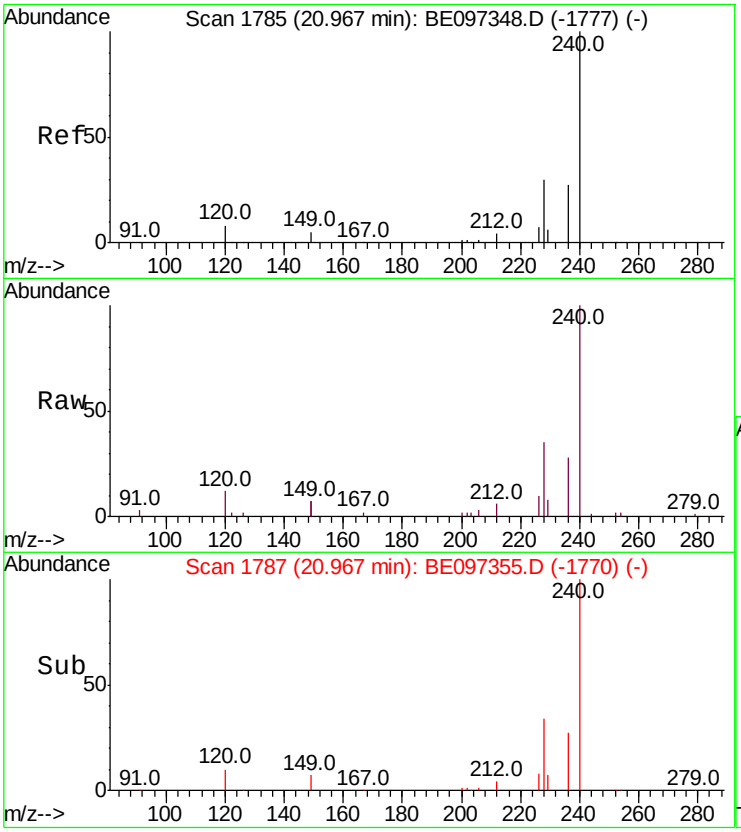


#26
Fluoranthene
Concen: 0.257 ng
RT: 18.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:202 Resp: 4062

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	17.0	13.7	20.5



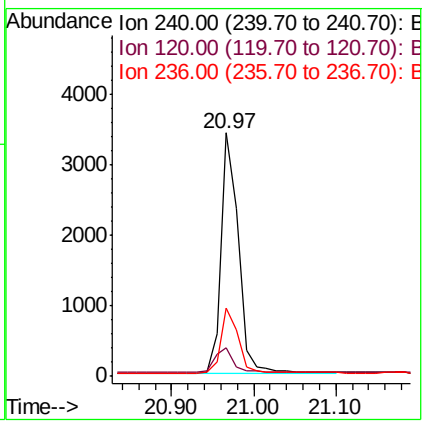


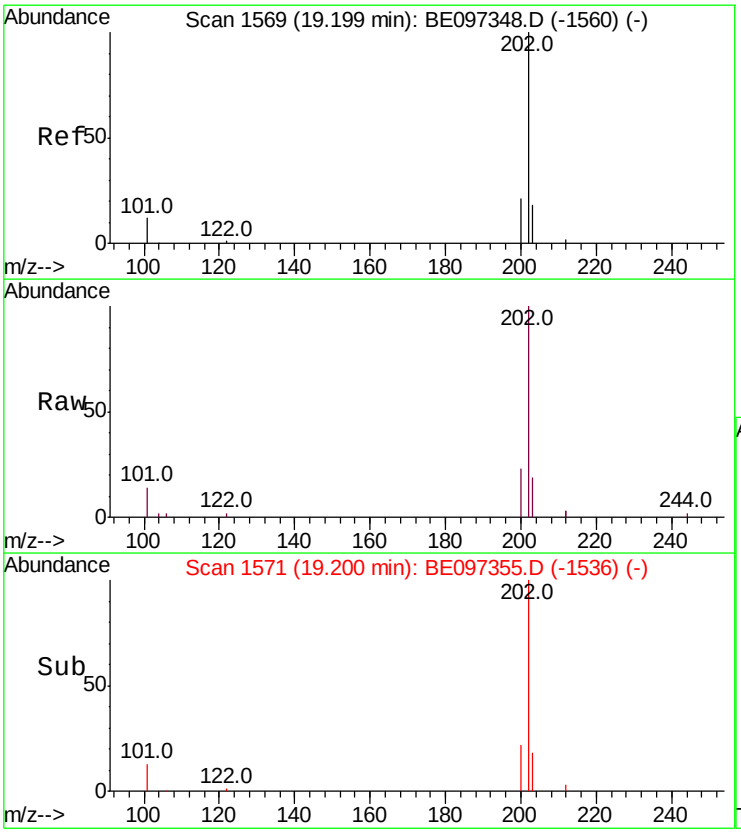
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:240 Resp: 5047

Ion	Ratio	Lower	Upper
240	100		
120	11.7	5.5	8.3#
236	28.2	20.7	31.1

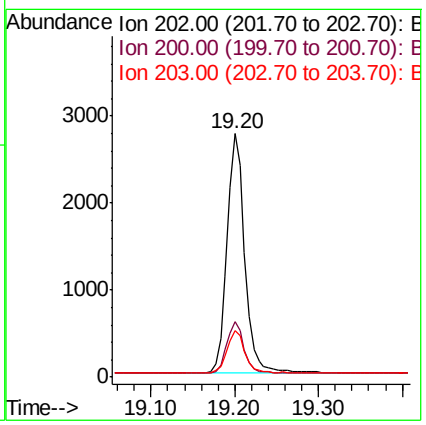


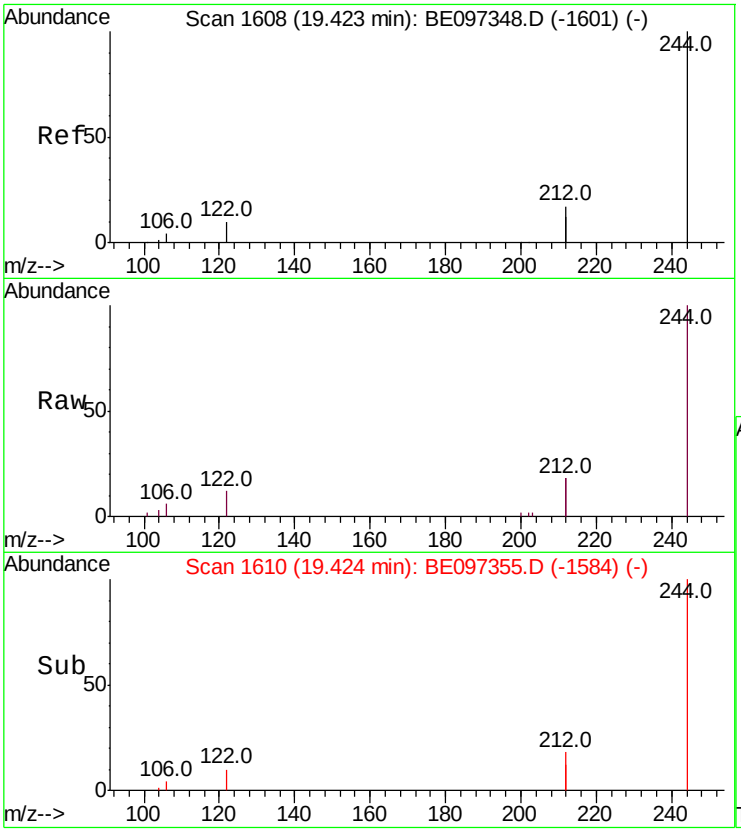


#28
Pyrene
Concen: 0.338 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:202 Resp: 4055

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.6	13.8	20.8



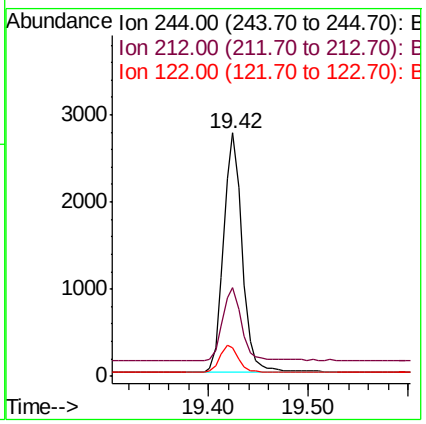


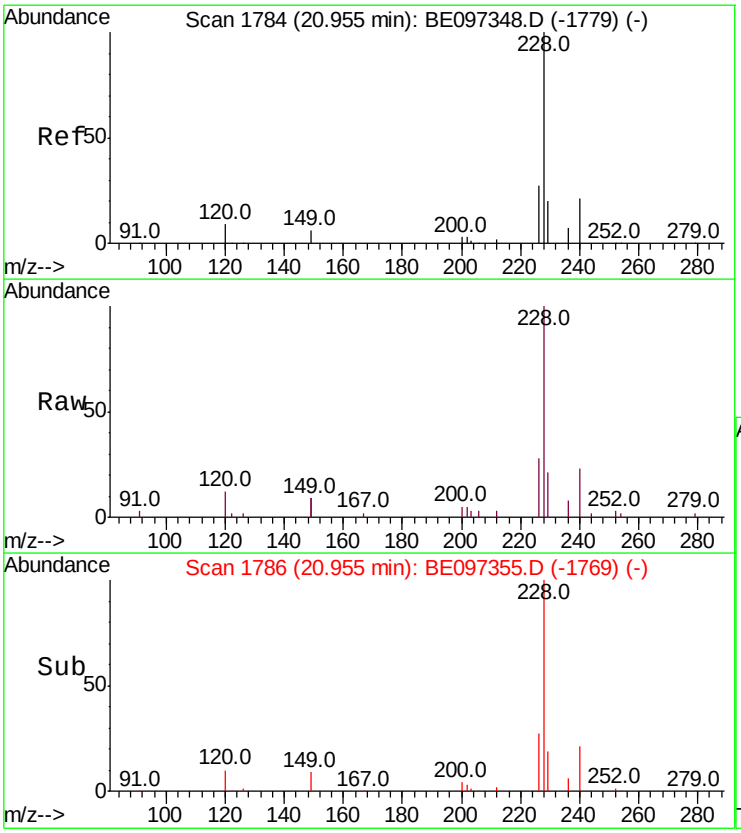
#29
Terphenyl-d14
Concen: 0.384 ng
RT: 19.42 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:244 Resp: 3572

Ion	Ratio	Lower	Upper
244	100		
212	36.2	25.4	38.0
122	11.6	8.1	12.1

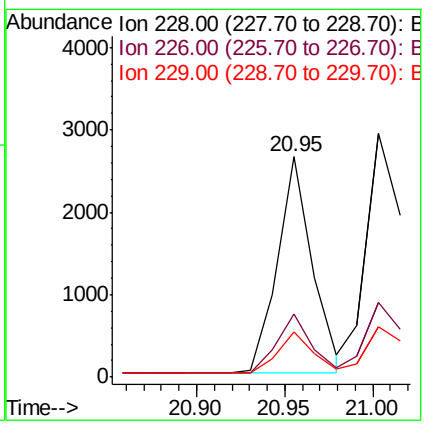


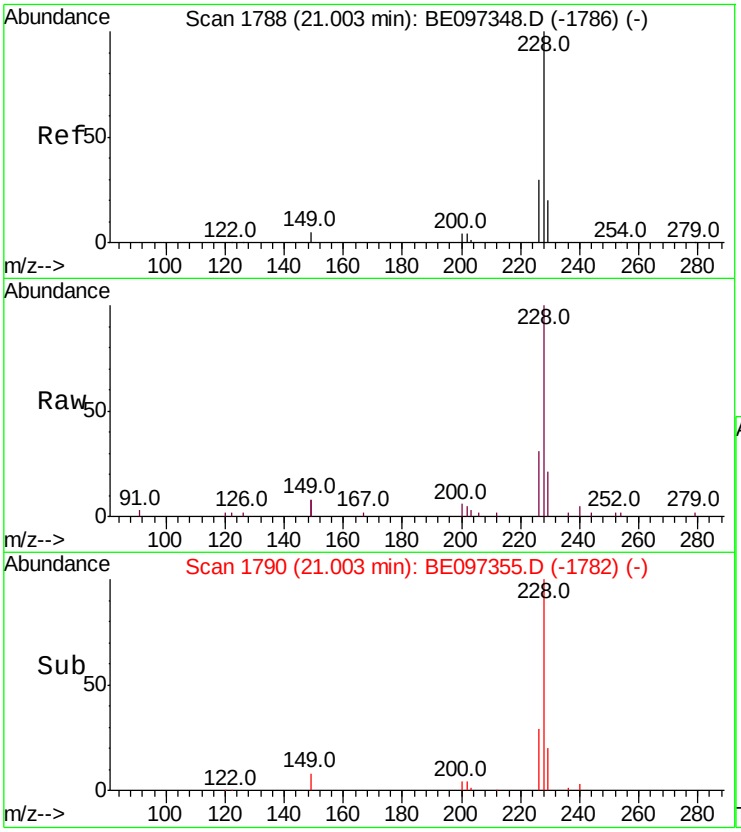


#30
Benzo(a)anthracene
Concen: 0.284 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:228 Resp: 3629

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.0	36.0
229	20.8	16.0	24.0



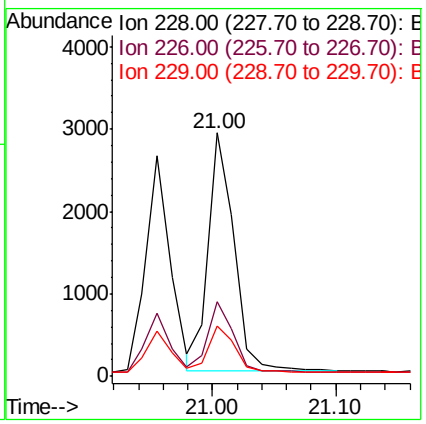


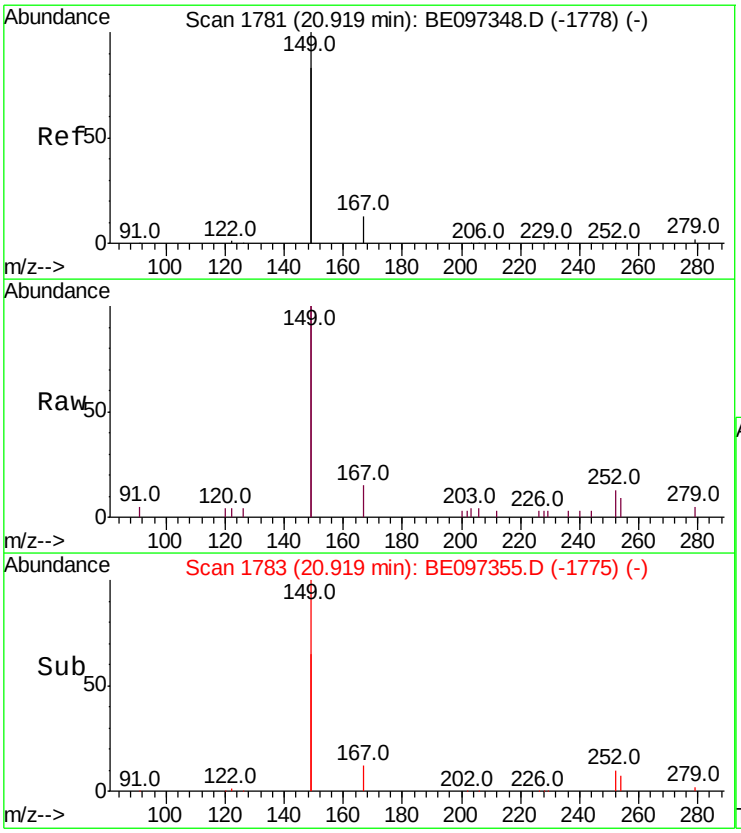
#31
Chrysene
Concen: 0.304 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:228 Resp: 4178

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.8	16.0	24.0

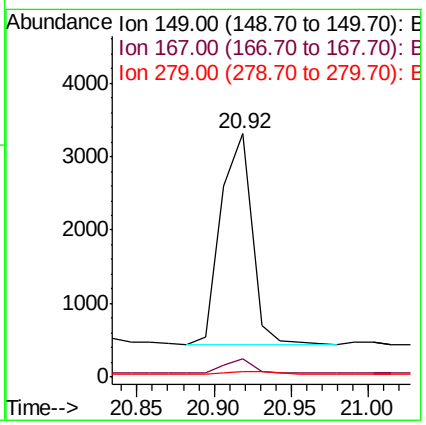


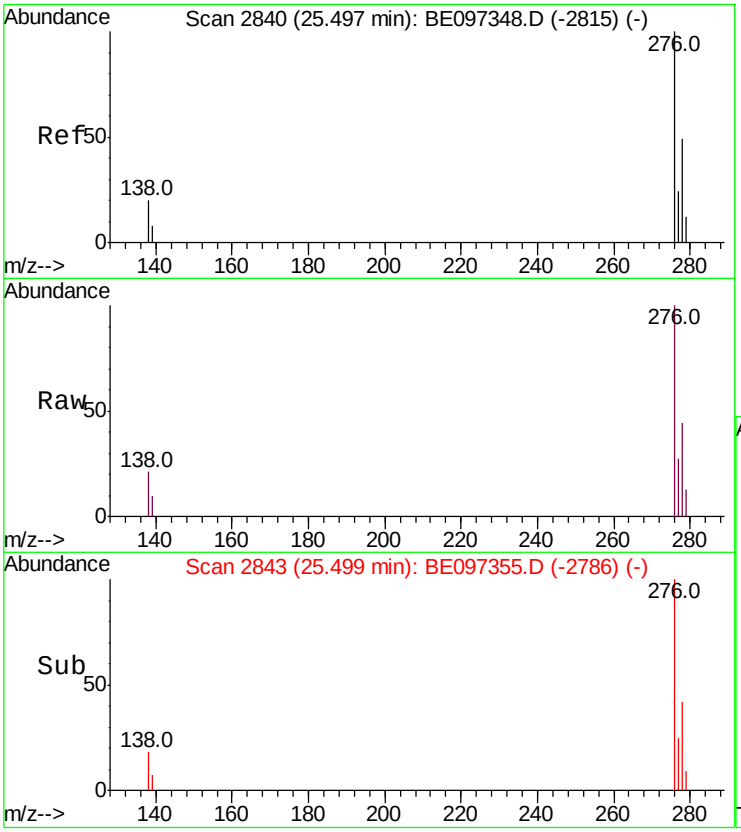


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.303 ng
RT: 20.92 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:149 Resp: 3952

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.2	0.7	1.1#



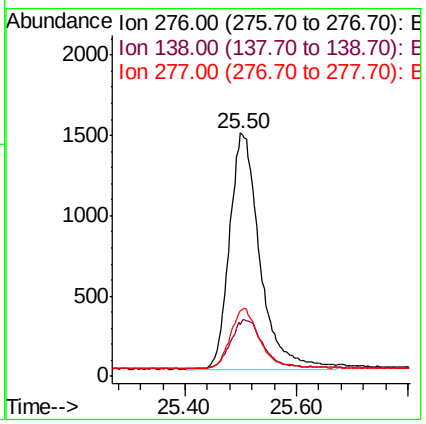


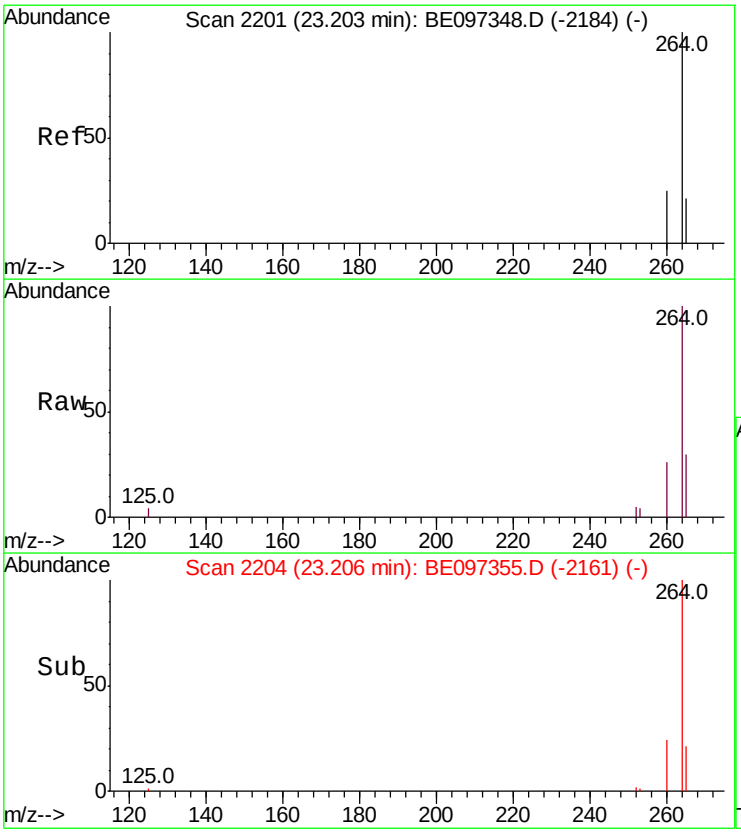
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 25.50 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:276 Resp: 5561

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.5	33.7#
277	24.8	19.9	29.9

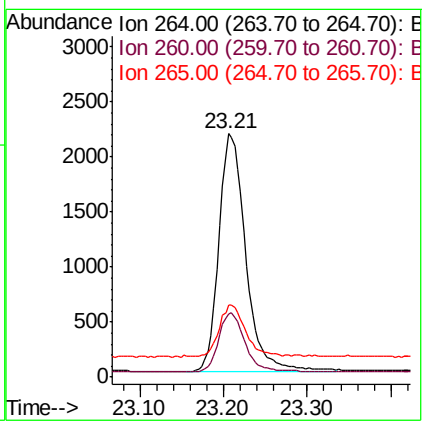


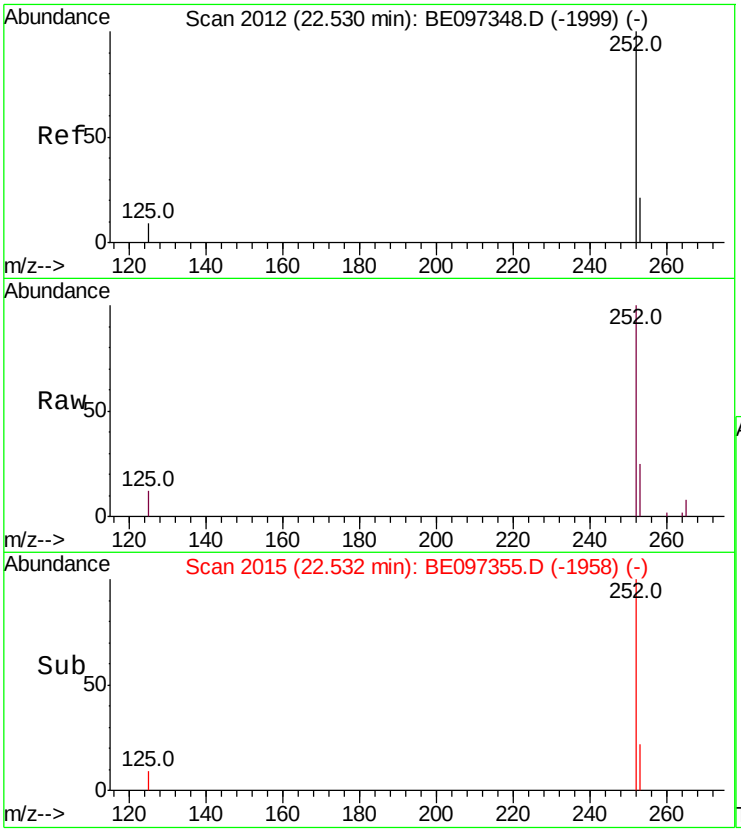


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:264 Resp: 4860

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	29.7	22.8	34.2



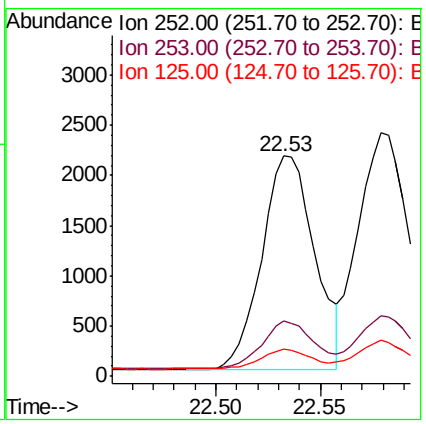


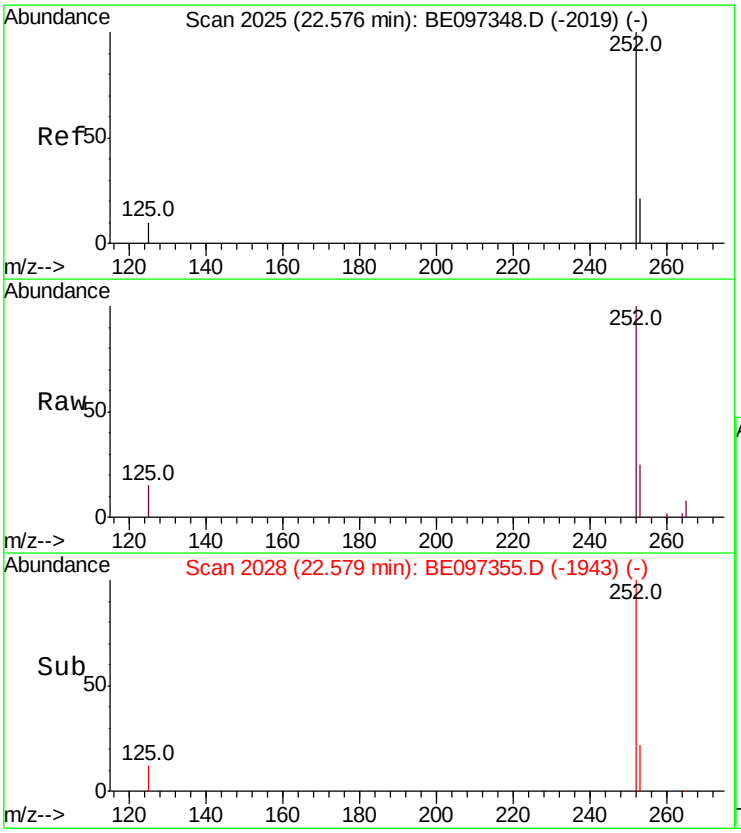
#35
Benzo(b)fluoranthene
Concen: 0.294 ng
RT: 22.53 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:252 Resp: 3771

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.0	30.0
125	12.2	16.0	24.0#

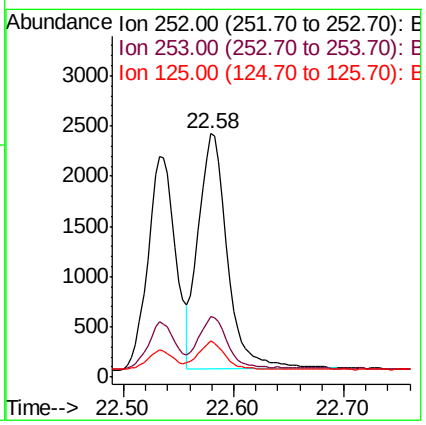


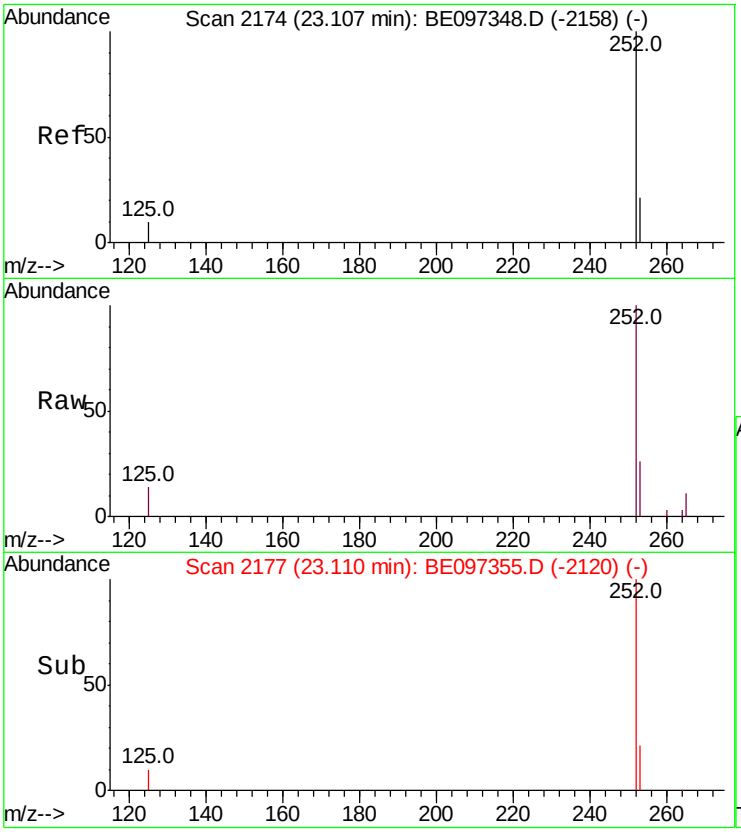


#36
Benzo(k)fluoranthene
Concen: 0.303 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:252 Resp: 4294

Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.0	24.0#
125	14.7	8.0	12.0#



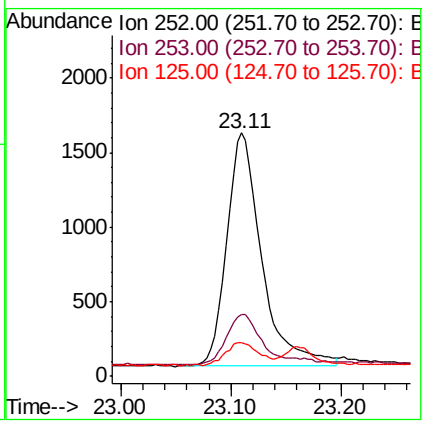


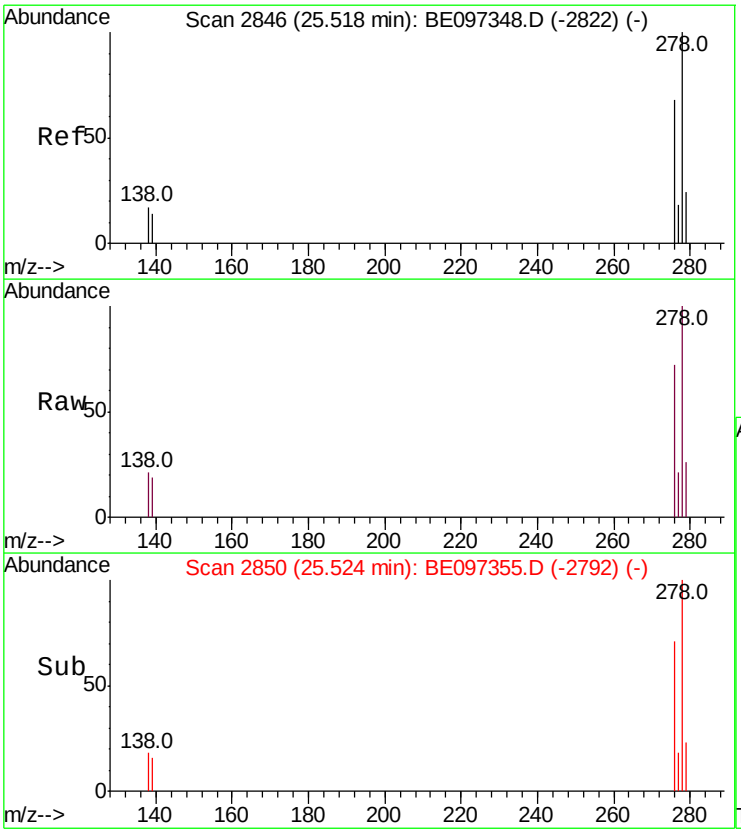
#37
Benzo(a)pyrene
Concen: 0.277 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:252 Resp: 3478

Ion	Ratio	Lower	Upper
252	100		
253	25.6	16.0	24.0#
125	14.1	12.0	18.0

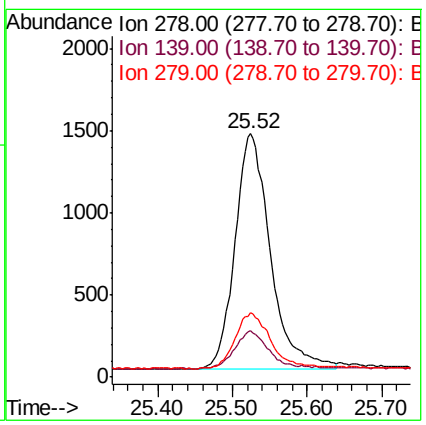


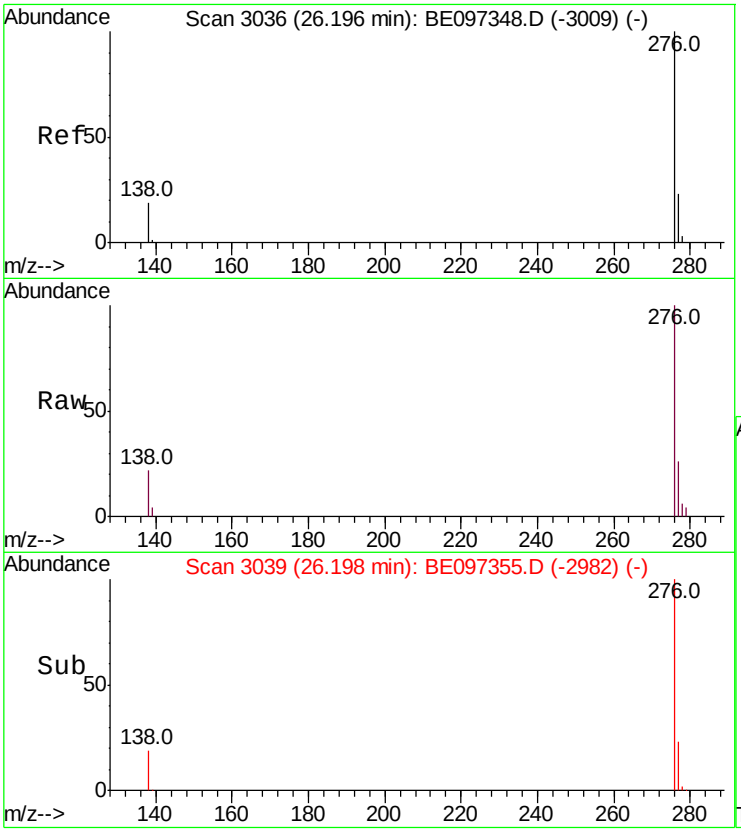


#38
Dibenzo(a,h)anthracene
Concen: 0.315 ng
RT: 25.52 min Scan# 2850
Delta R.T. 0.01 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:278 Resp: 4762

Ion	Ratio	Lower	Upper
278	100		
139	19.2	16.0	24.0
279	26.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.314 ng
RT: 26.20 min Scan# 3039
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tgt Ion:276 Resp: 4924

Ion	Ratio	Lower	Upper
276	100		
277	25.7	16.0	24.0#
138	21.9	20.0	30.0