Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
Data File : BE097610.D
Acq On : 21 Sep 2018 14:12
Operator : SJ/JU
Sample : PB112840BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 22 04:07:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1097	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4567	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	2242	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	5147	0.40	ng		0.01
27) Chrysene-d12	20.97	240	6869	0.40	ng		0.00
34) Perylene-d12	23.21	264	7336	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1180	0.36	ng		0.01
5) Phenol-d6	6.62	99	1378	0.33	ng		0.01
8) Nitrobenzene-d5	8.53	82	1322	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3355	0.53	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	213	0.29	ng		0.01
15) 2-Fluorobiphenyl	12.62	172	3627	0.46	ng		0.00
25) Fluoranthene-d10	18.80	212	23946	0.36	ng		0.00
29) Terphenyl-d14	19.42	244	4183	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	607	0.315	ng	#	91
3) n-Nitrosodimethylamine	3.38	42	560	0.353	ng	#	89
6) bis(2-Chloroethyl)ether	6.83	93	1265	0.324	ng		79
9) Naphthalene	10.17	128	16819	0.409	ng		99
10) Hexachlorobutadiene	10.46	225	711	0.375	ng		96
12) 2-Methylnaphthalene	11.80	142	2533	0.395	ng		99
16) Acenaphthylene	13.71	152	3363	0.379	ng		99
17) Acenaphthene	14.06	154	2255	0.379	ng		96
18) Fluorene	15.06	166	2887	0.373	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	896	0.386	ng	#	77
21) Hexachlorobenzene	16.07	284	1070	0.419	ng	#	84
22) Pentachlorophenol	16.45	266	335	0.423	ng	#	81
23) Phenanthrene	16.80	178	4837	0.396	ng		99
24) Anthracene	16.89	178	4126	0.382	ng		95
26) Fluoranthene	18.84	202	5739	0.338	ng		99
28) Pyrene	19.20	202	5878	0.376	ng		100
30) Benzo(a)anthracene	20.95	228	6801	0.393	ng		97
31) Chrysene	21.00	228	7788	0.420	ng		100
32) Bis(2-ethylhexyl)phthalate	20.91	149	7146	0.256	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	10296	0.461	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	7894	0.420	ng	#	89
36) Benzo(k)fluoranthene	22.53	252	7894	0.367	ng		95
37) Benzo(a)pyrene	23.11	252	7728	0.423	ng		93
38) Dibenzo(a,h)anthracene	25.52	278	8515	0.432	ng	#	95
39) Benzo(g,h,i)perylene	26.21	276	8430	0.440	ng	#	89

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

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Instrument :
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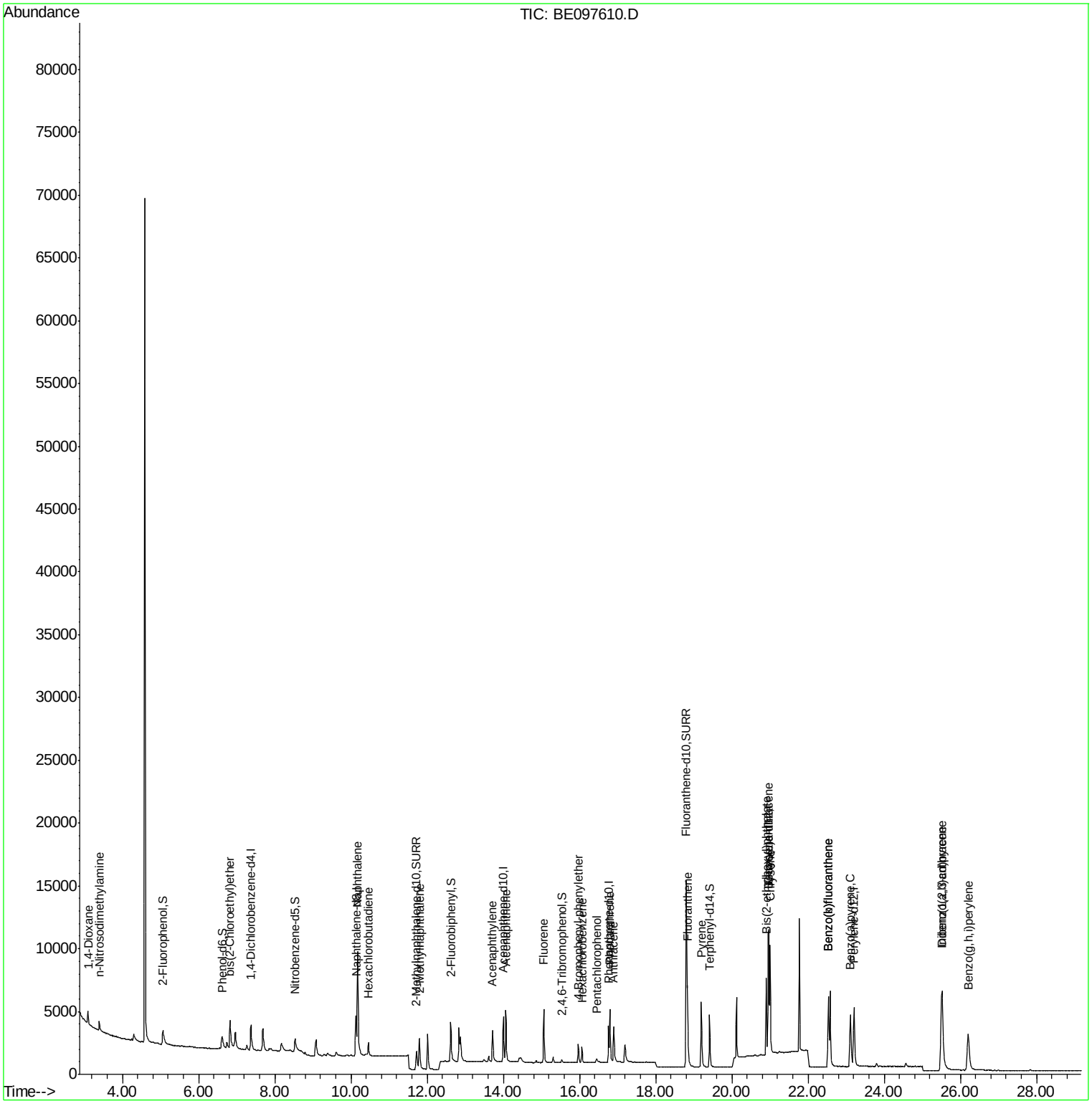
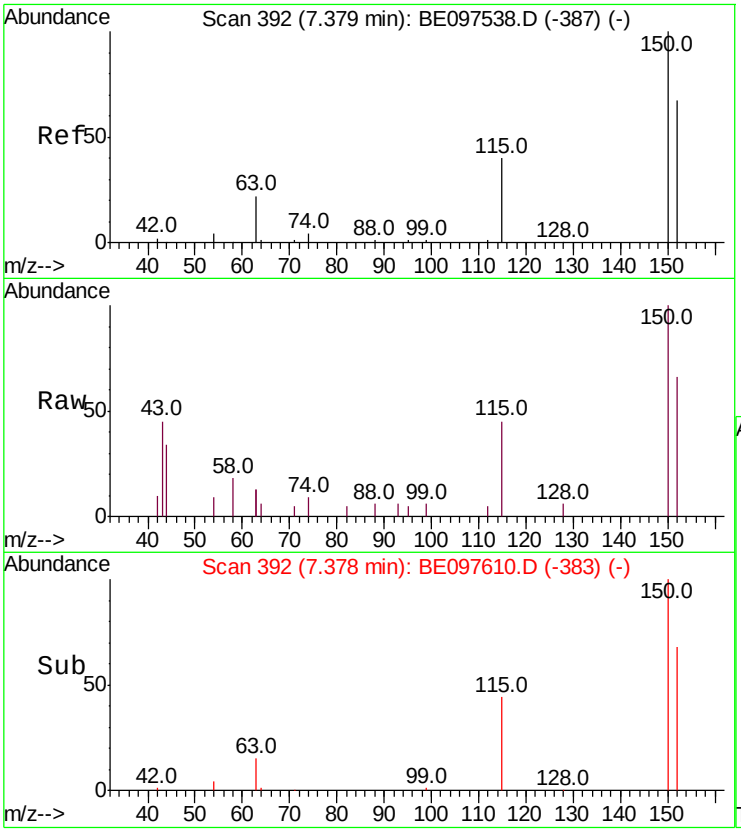
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



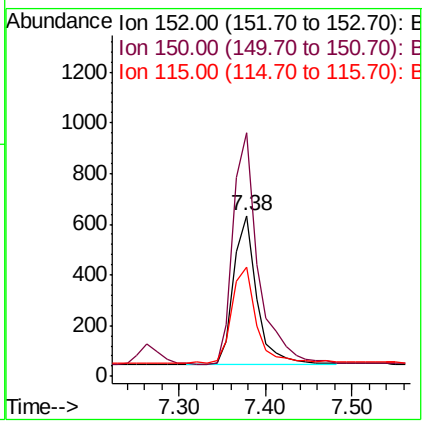


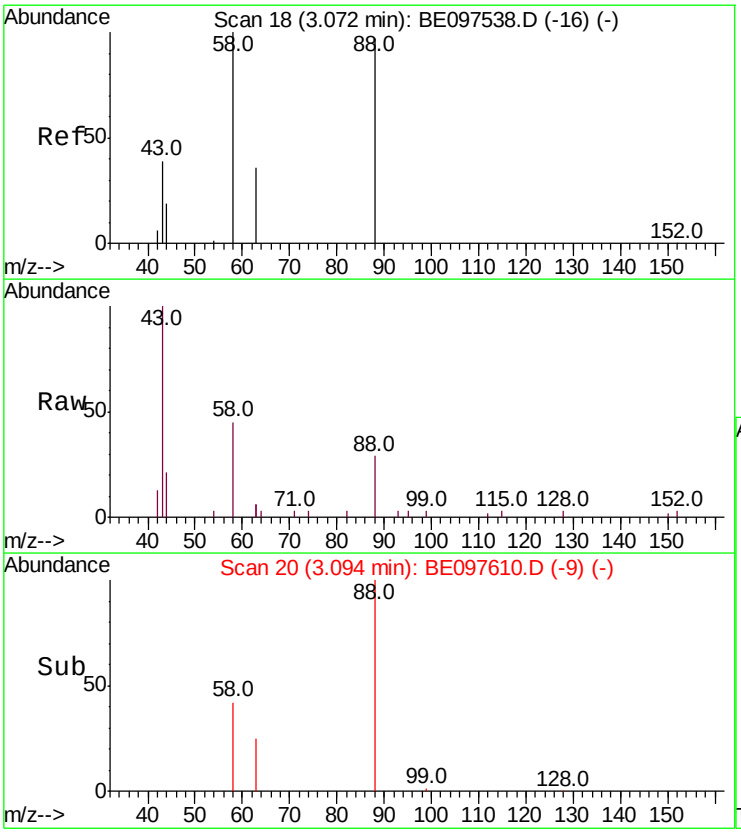
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1097

Ion	Ratio	Lower	Upper
152	100		
150	151.6	117.2	175.8
115	67.7	57.0	85.6

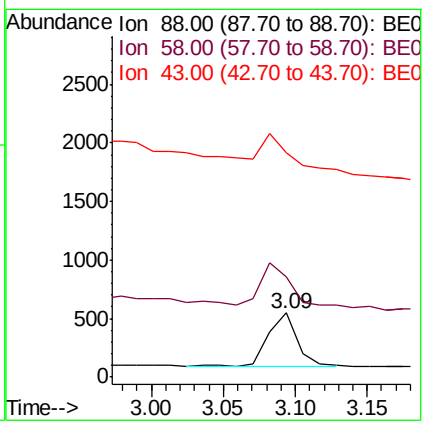


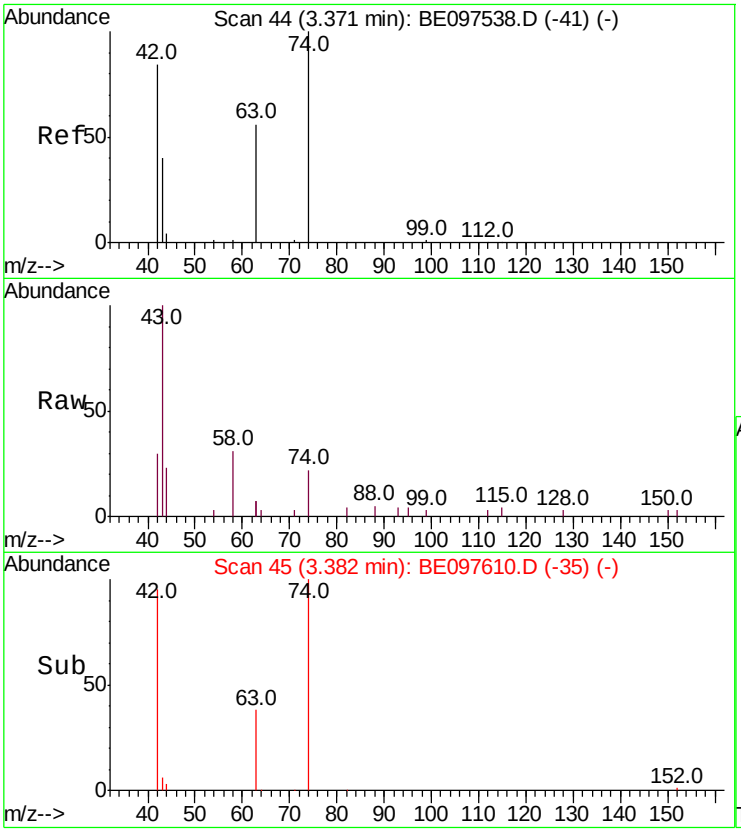


#2
1,4-Dioxane
Concen: 0.315 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion: 88 Resp: 607

Ion	Ratio	Lower	Upper
88	100		
58	80.6	63.2	94.8
43	65.1	41.2	61.8#



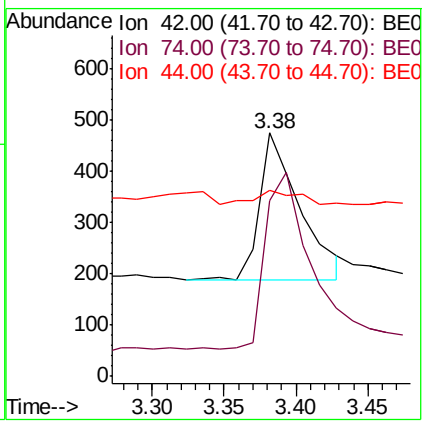


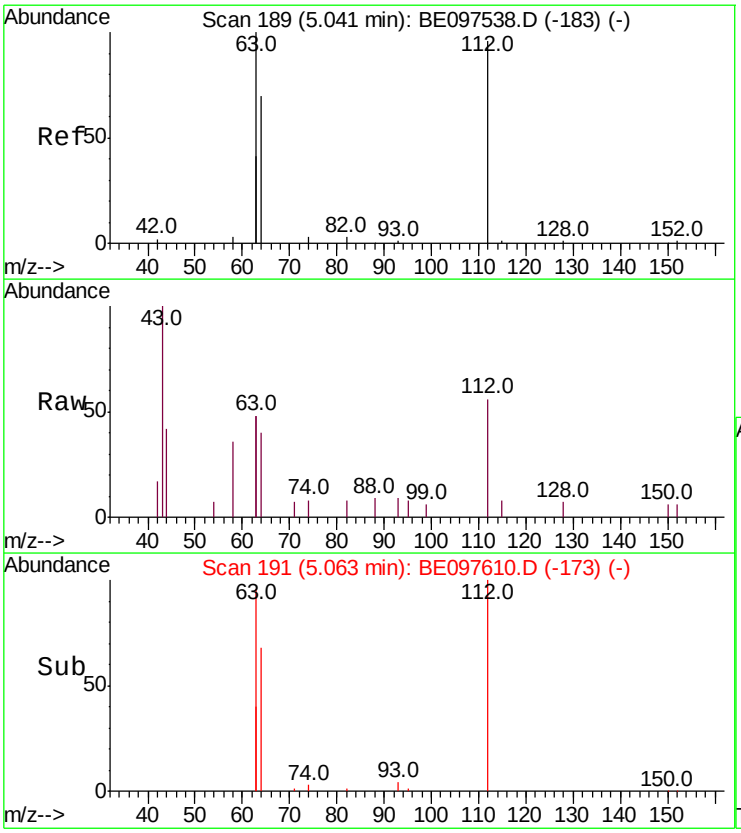
#3
n-Nitrosodimethylamine
Concen: 0.353 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 560

Ion	Ratio	Lower	Upper
42	100		
74	131.3	96.0	144.0
44	8.6	12.0	18.0#

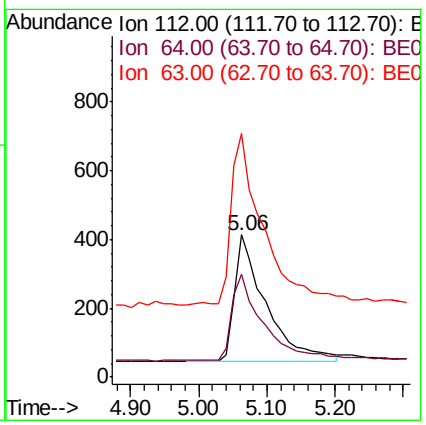


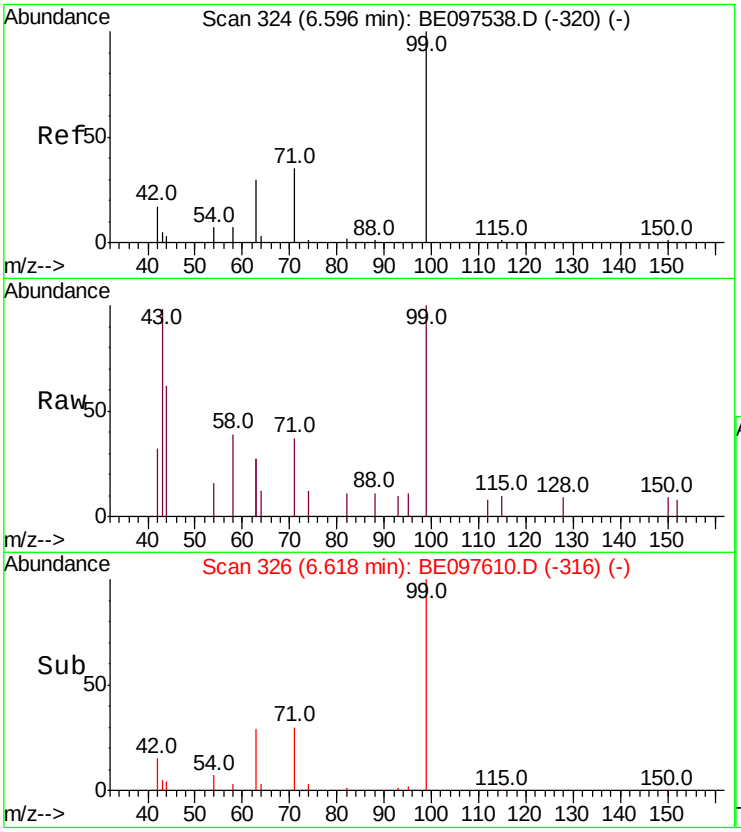


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:112 Resp: 1180

Ion	Ratio	Lower	Upper
112	100		
64	67.5	60.1	90.1
63	140.7	116.8	175.2



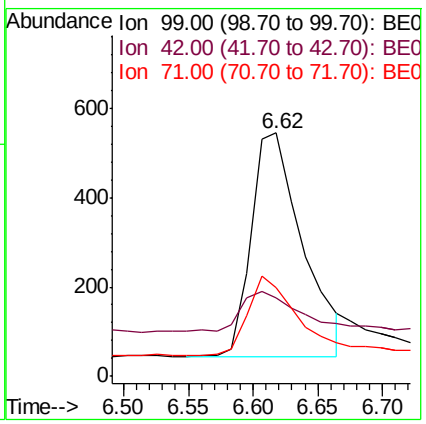


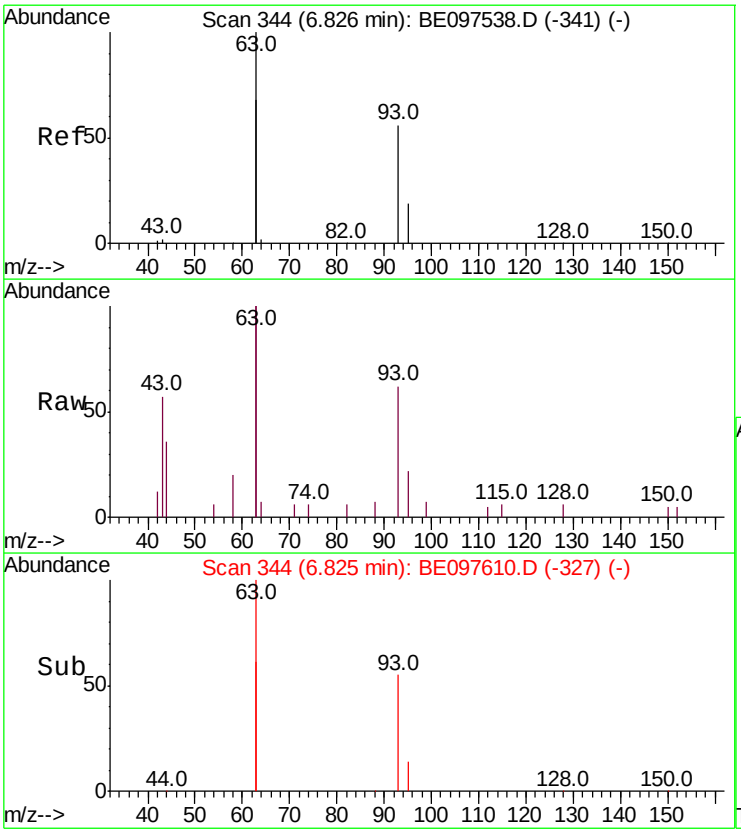
#5
Phenol-d6
Concen: 0.328 ng
RT: 6.62 min Scan# 326
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1378

Ion	Ratio	Lower	Upper
99	100		
42	19.0	20.2	30.2#
71	33.5	28.4	42.6

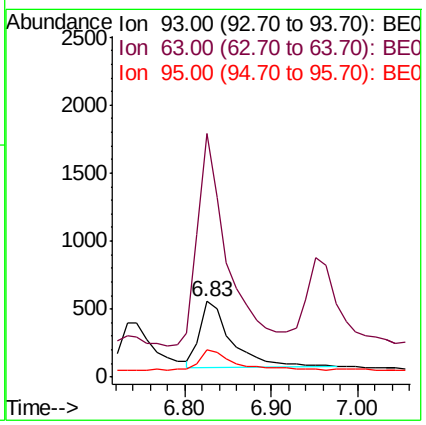


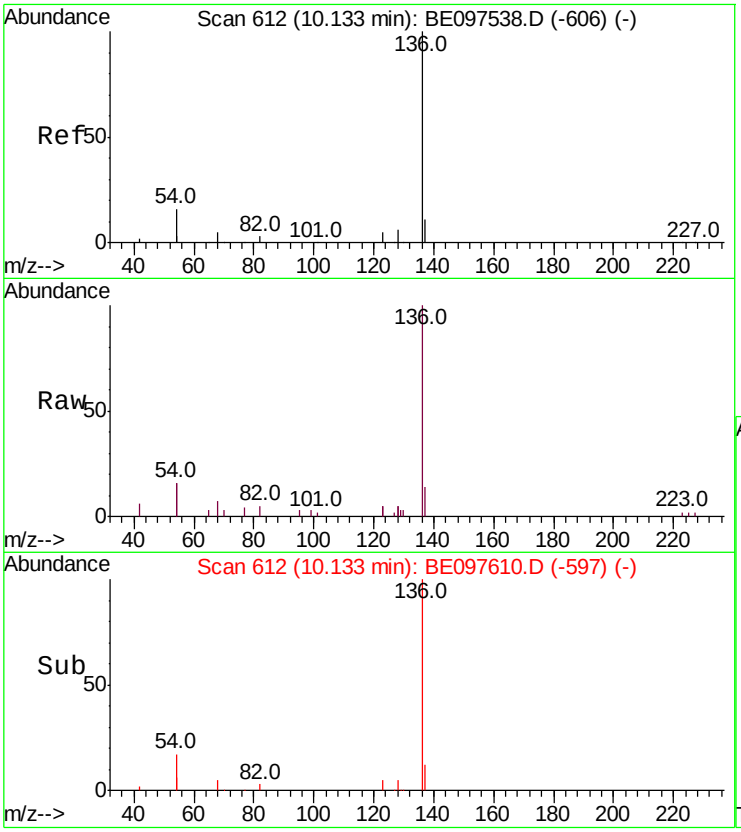


#6
bis(2-Chloroethyl)ether
Concen: 0.324 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion: 93 Resp: 1265

Ion	Ratio	Lower	Upper
93	100		
63	294.4	275.3	412.9
95	31.9	25.2	37.8



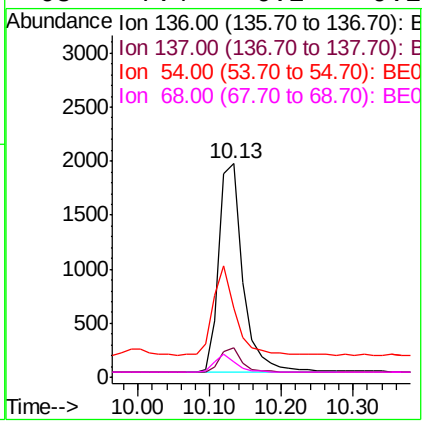


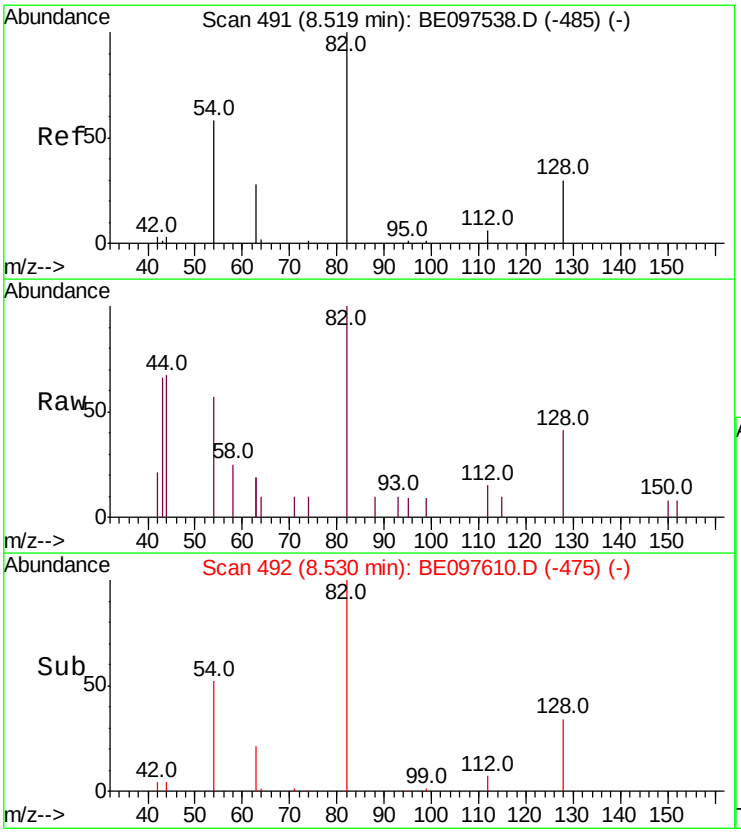
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4567

Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.5	14.3
54	32.4	29.1	43.7
68	7.4	6.2	9.2

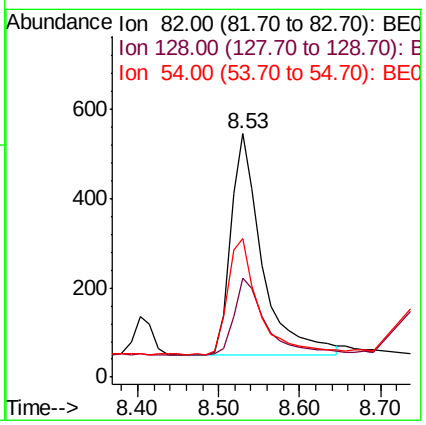


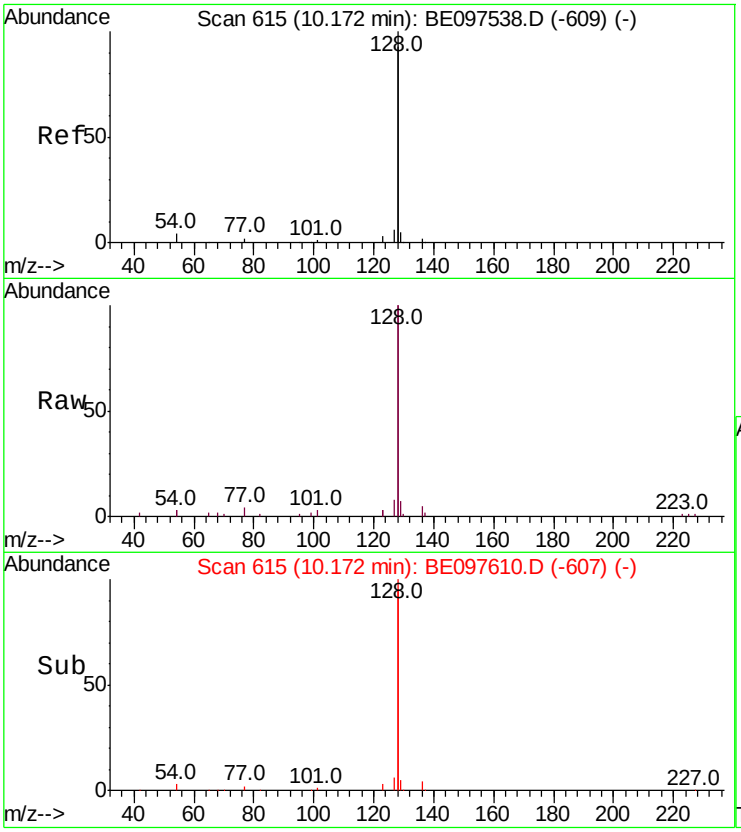


#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion: 82 Resp: 1322

Ion	Ratio	Lower	Upper
82	100		
128	40.6	24.0	36.0#
54	57.1	40.0	60.0



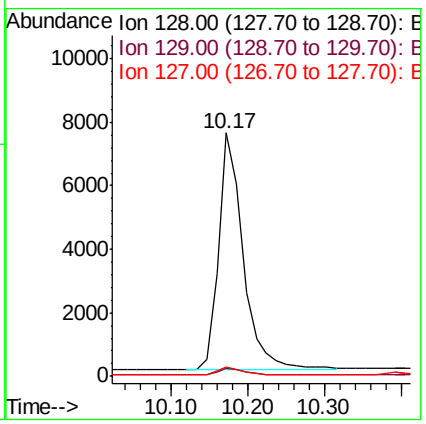


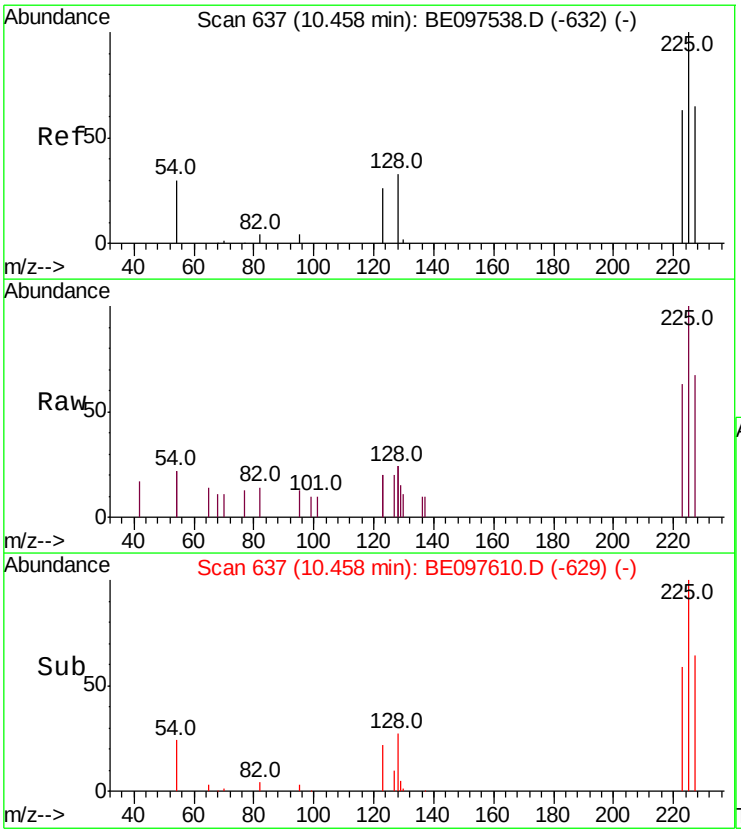
#9
Naphthalene
Concen: 0.409 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 16819

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.9	2.8	4.2

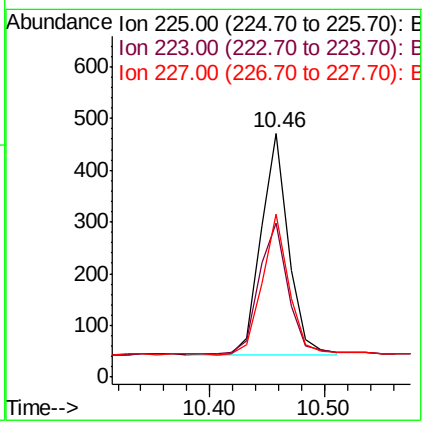


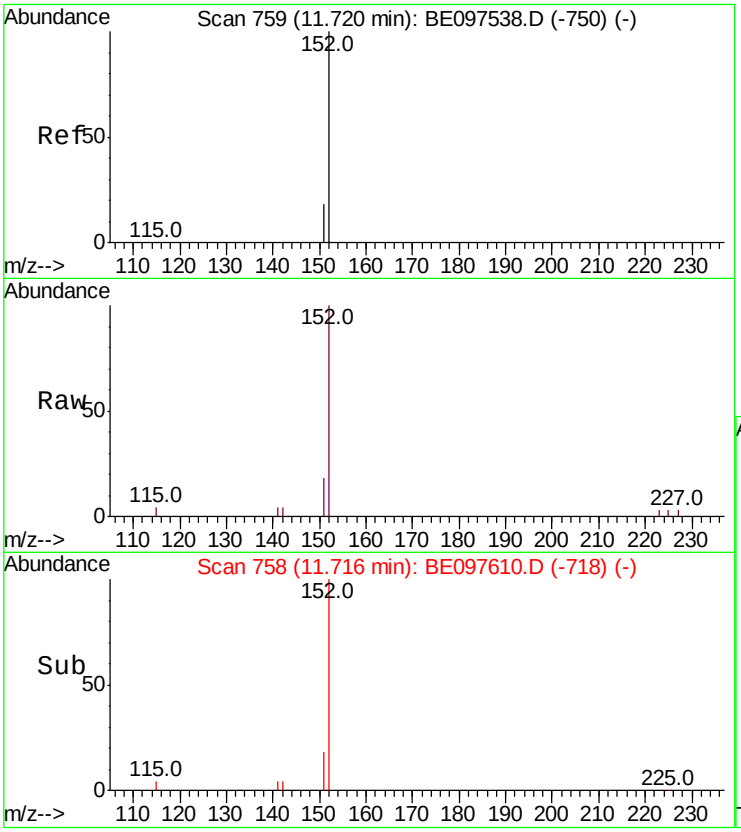


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:225 Resp: 711

Ion	Ratio	Lower	Upper
225	100		
223	63.0	53.0	79.6
227	61.9	51.4	77.2



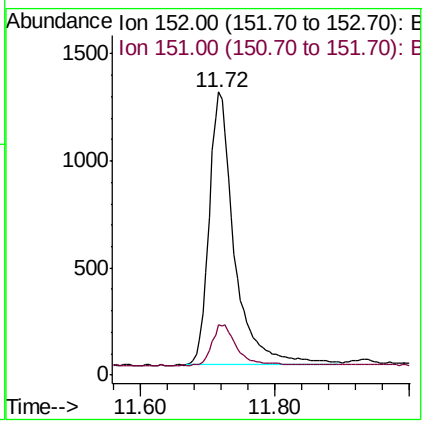


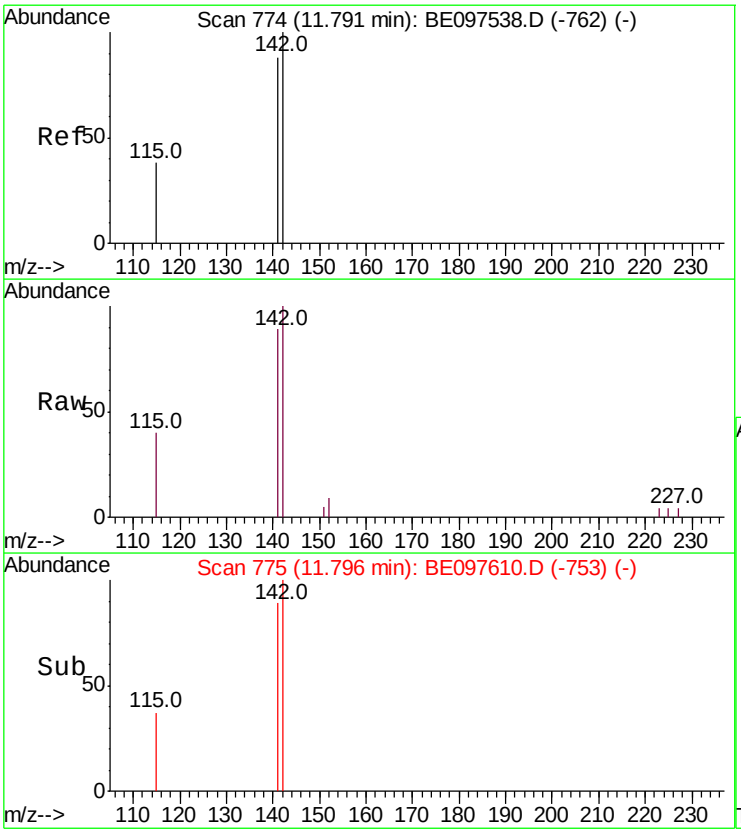
#11
2-Methylnaphthalene-d10
Concen: 0.533 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 3355

Ion	Ratio	Lower	Upper
152	100		
151	14.0	15.4	23.0#

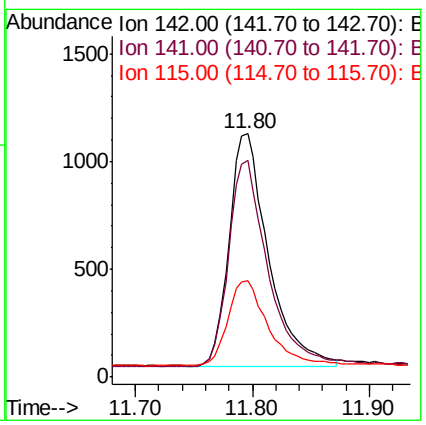


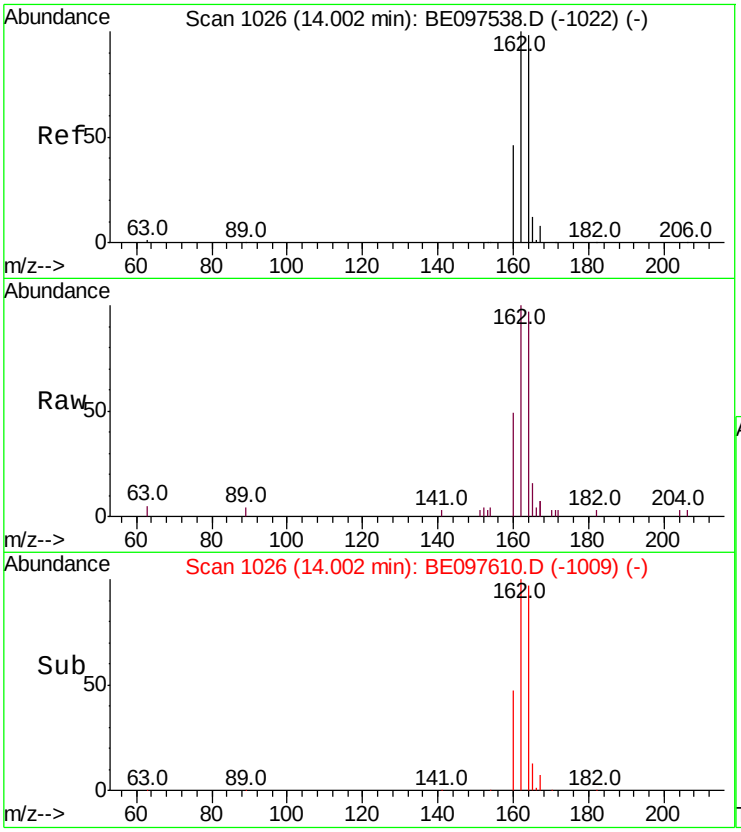


#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:142 Resp: 2533

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	39.7	31.7	47.5



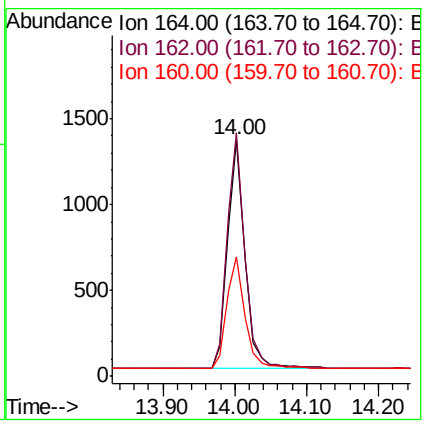


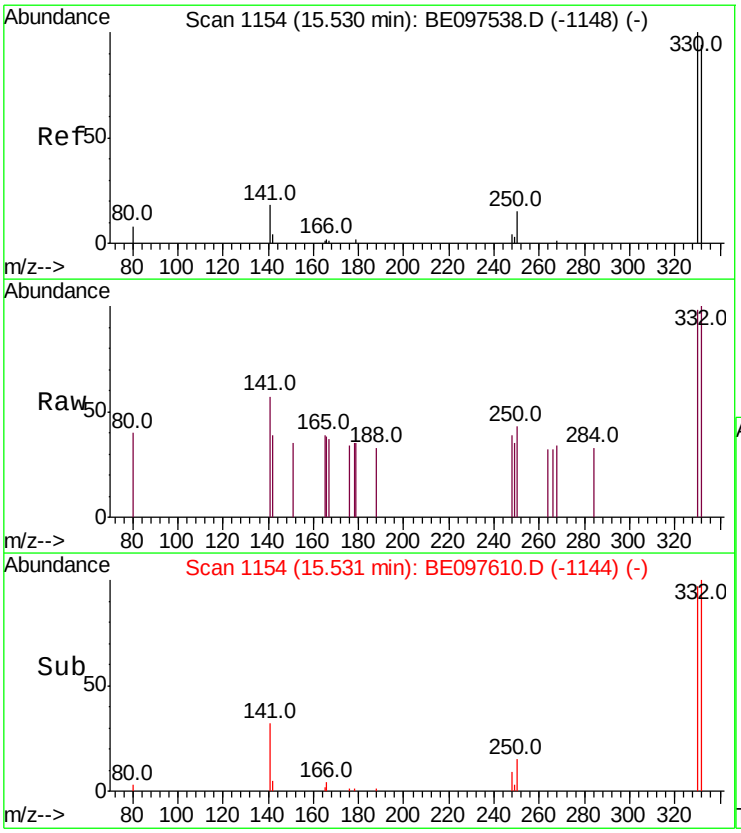
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2242

Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.1	124.7
160	50.3	37.1	55.7

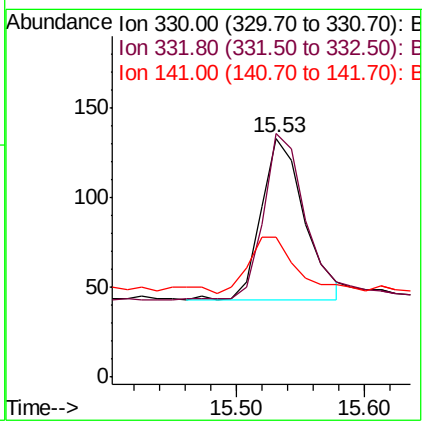


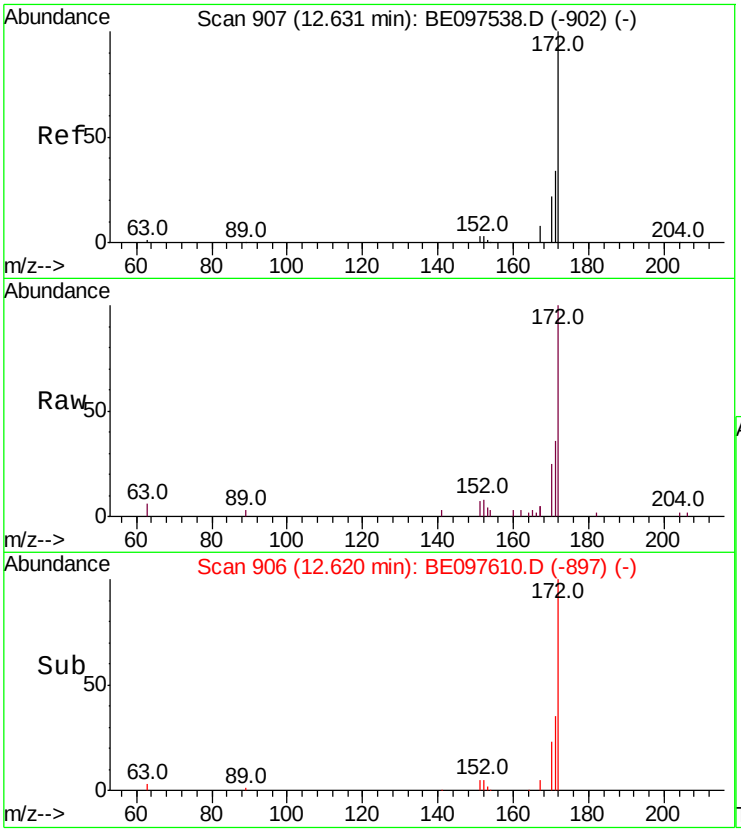


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:330 Resp: 213

Ion	Ratio	Lower	Upper
330	100		
332	100.0	152.7	229.1#
141	35.7	33.7	50.5



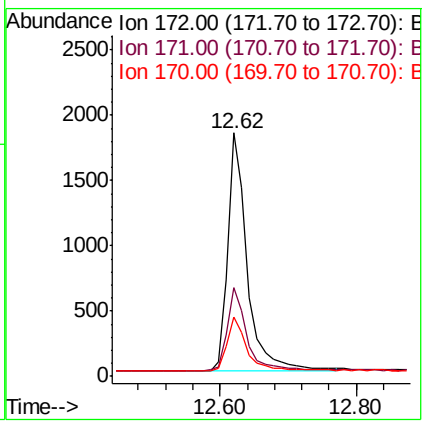


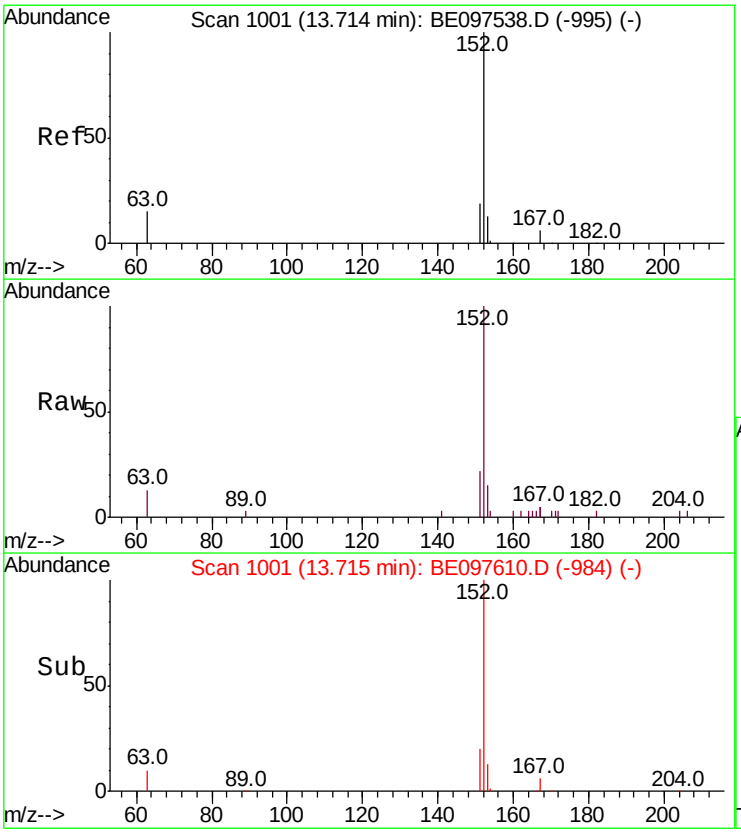
#15
2-Fluorobiphenyl
Concen: 0.458 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3627

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	24.5	21.8	32.8

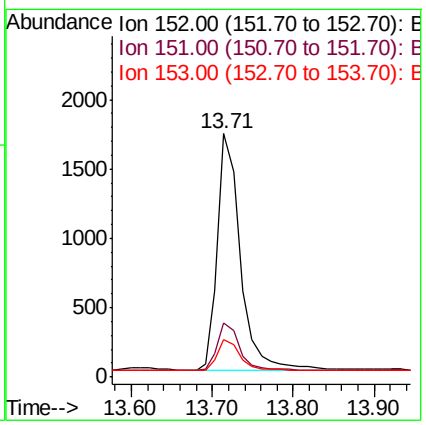


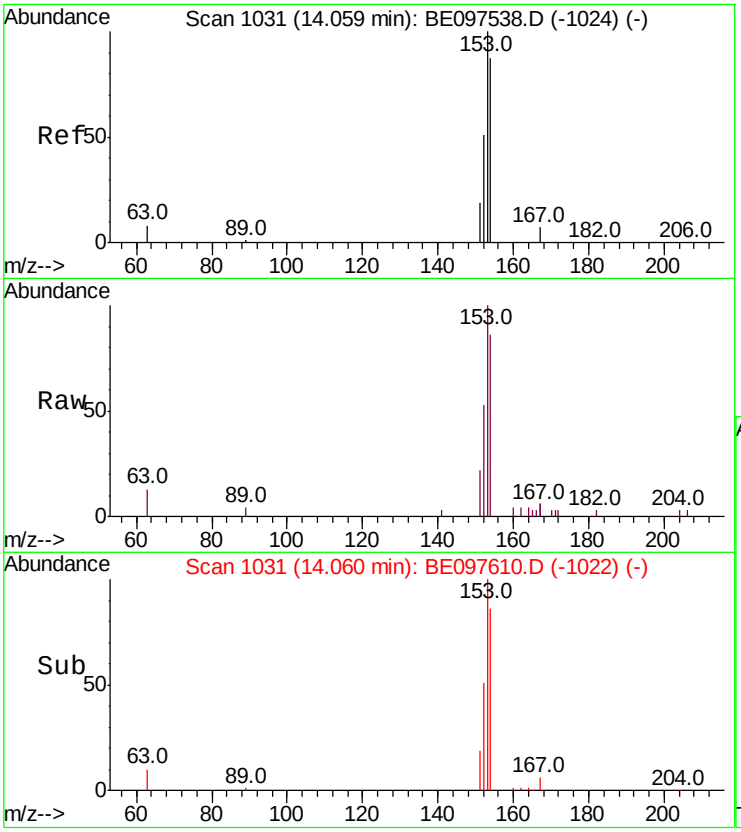


#16
Acenaphthylene
Concen: 0.379 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:152 Resp: 3363

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.2	10.5	15.7



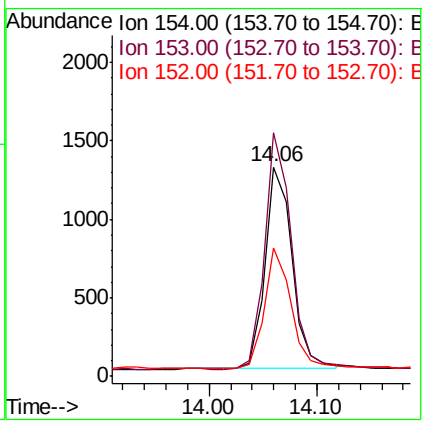


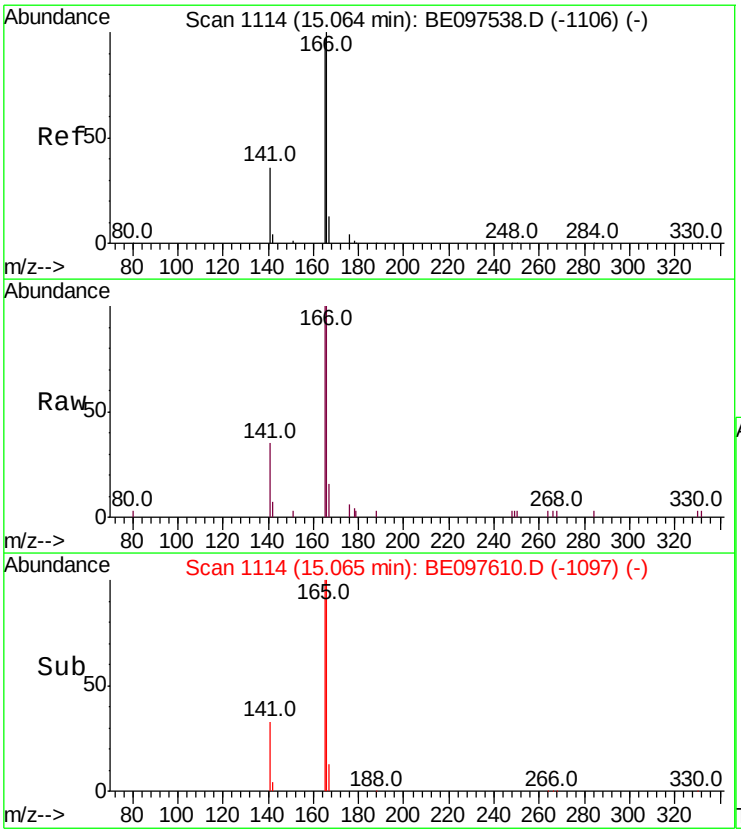
#17
Acenaphthene
Concen: 0.379 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2255

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.2	133.8
152	57.6	42.0	63.0

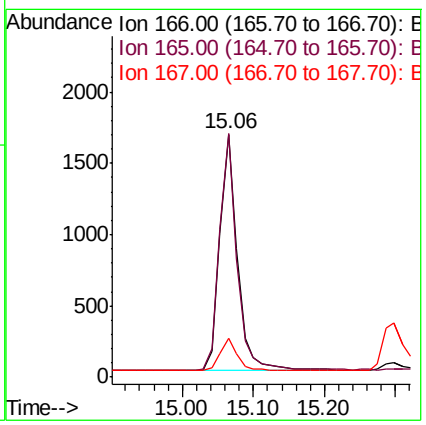


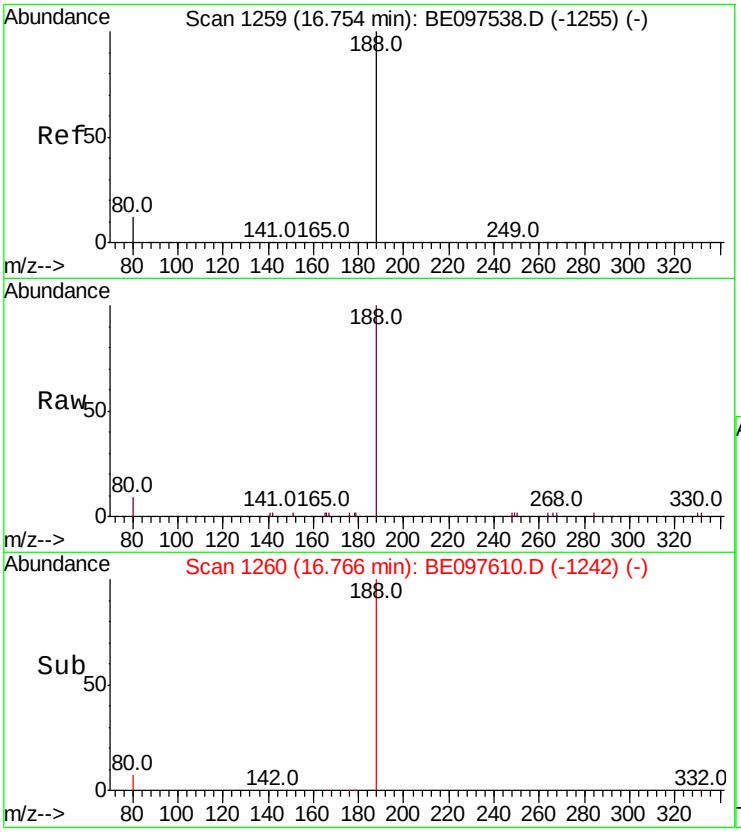


#18
Fluorene
Concen: 0.373 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:166 Resp: 2887

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.6
167	13.2	42.4	63.6#



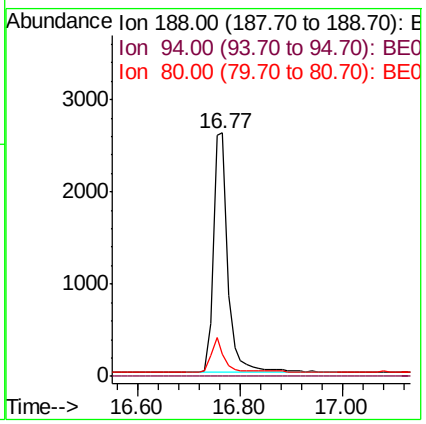


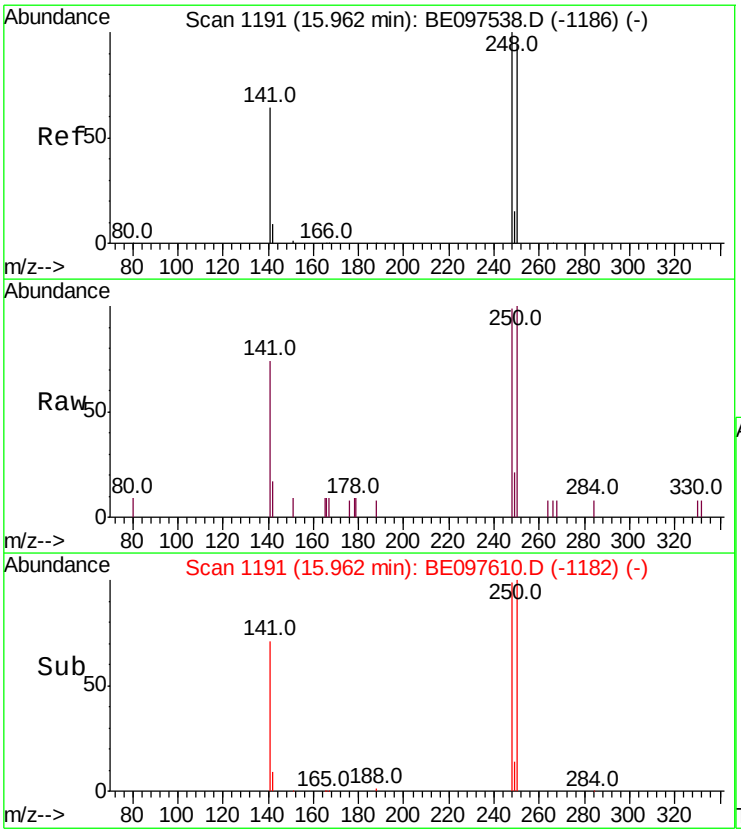
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5147

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.9	3.6	5.4#

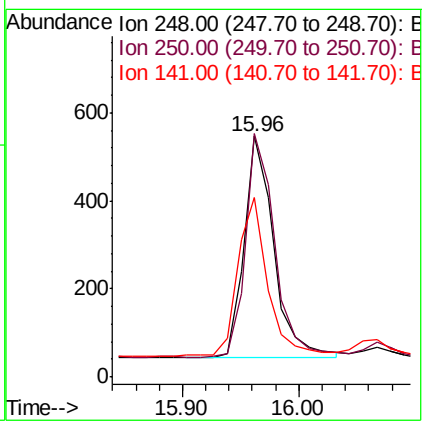


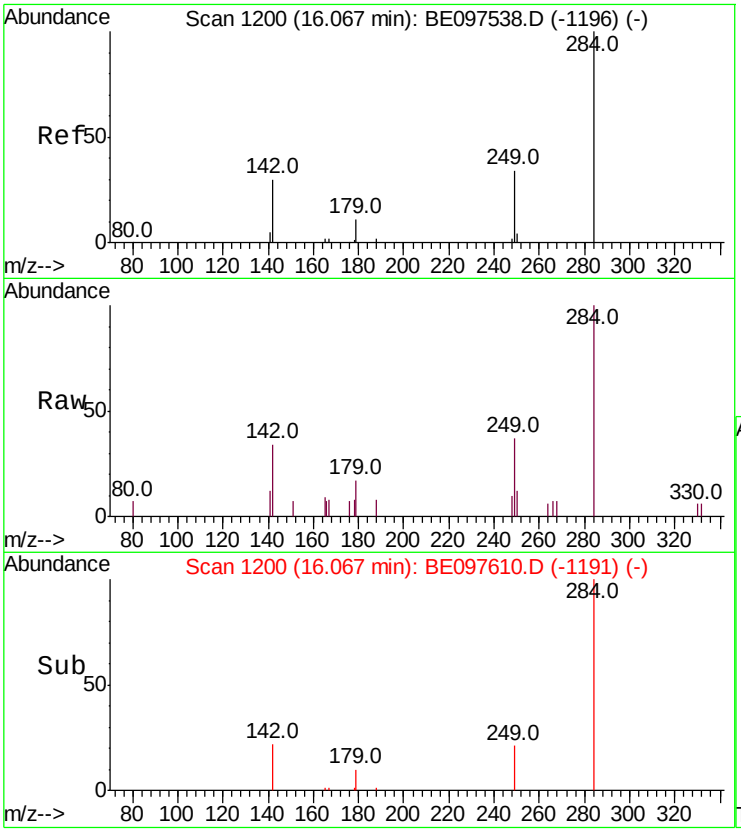


#20
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 15.96 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:248 Resp: 896

Ion	Ratio	Lower	Upper
248	100		
250	101.3	62.7	94.1#
141	74.7	48.2	72.2#



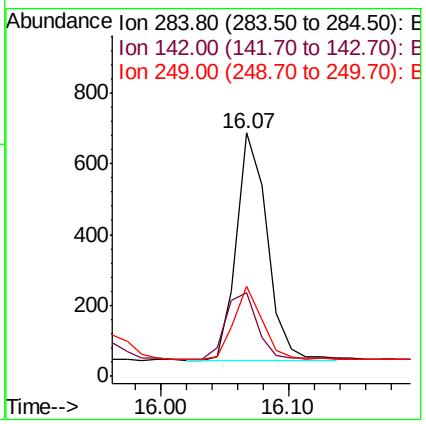


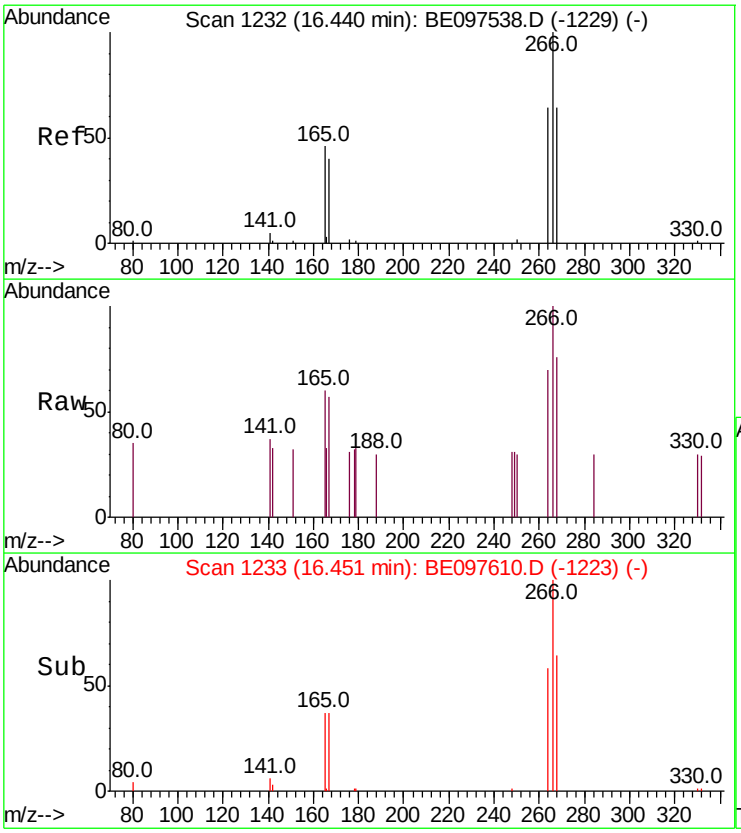
#21
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1070

Ion	Ratio	Lower	Upper
284	100		
142	31.7	22.1	33.1
249	29.6	34.8	52.2#

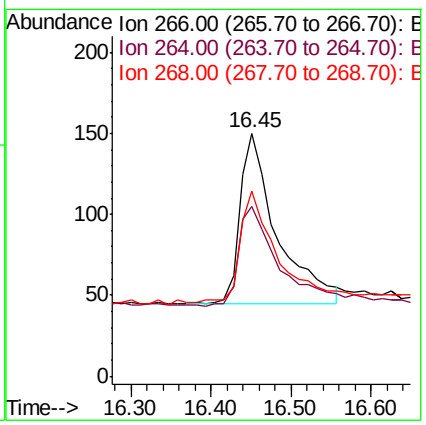


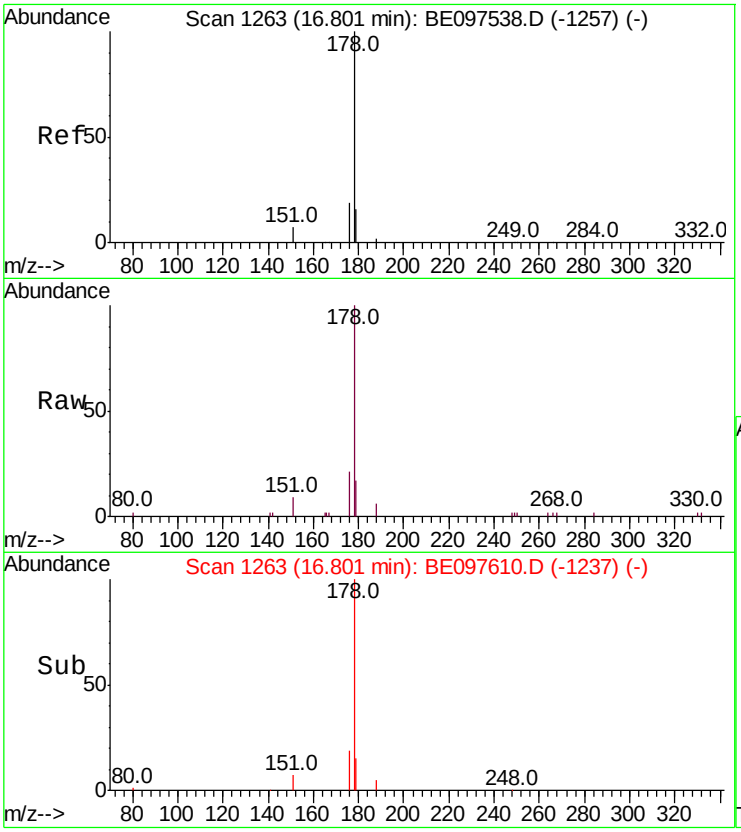


#22
Pentachlorophenol
Concen: 0.423 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:266 Resp: 335

Ion	Ratio	Lower	Upper
266	100		
264	70.0	72.5	108.7#
268	76.0	73.8	110.6



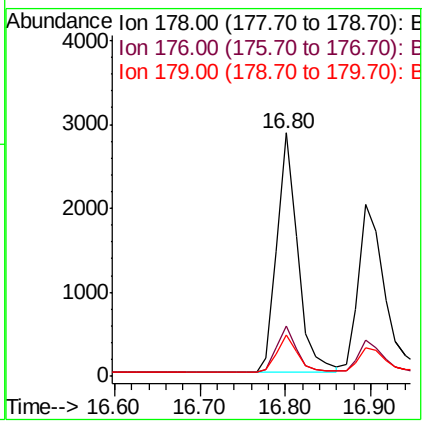


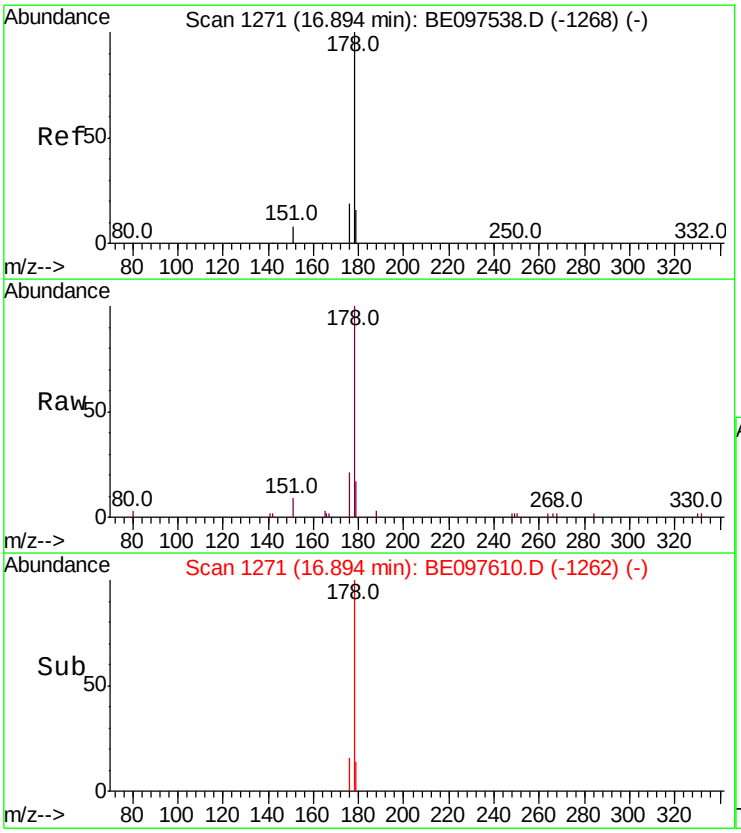
#23
Phenanthrene
Concen: 0.396 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 4837

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.5	11.8	17.6

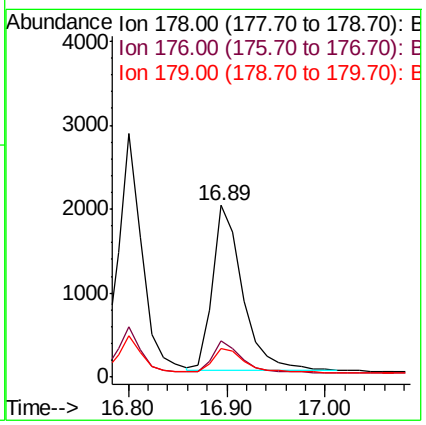


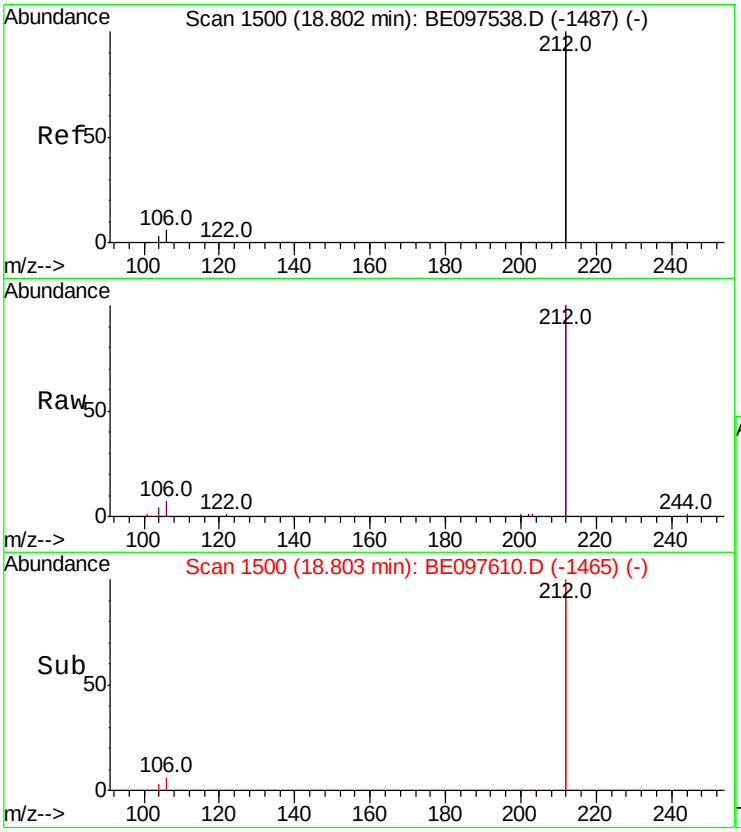


#24
Anthracene
Concen: 0.382 ng
RT: 16.89 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:178 Resp: 4126

Ion	Ratio	Lower	Upper
178	100		
176	18.3	12.8	19.2
179	14.7	13.0	19.6



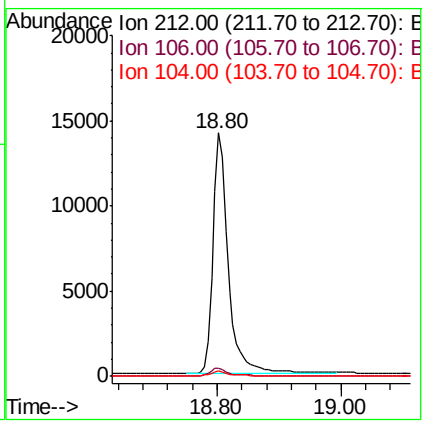


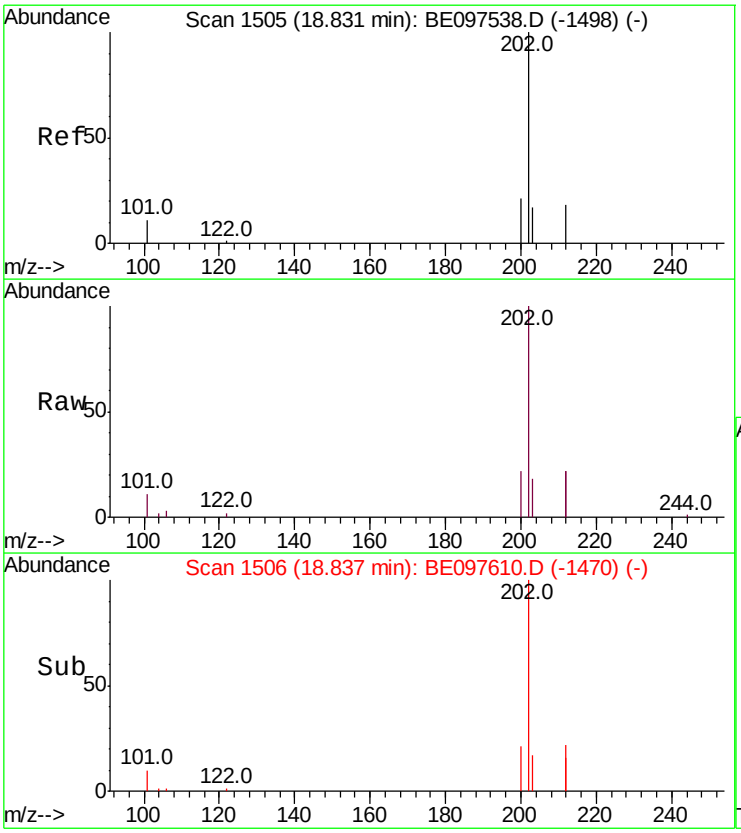
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 23946

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

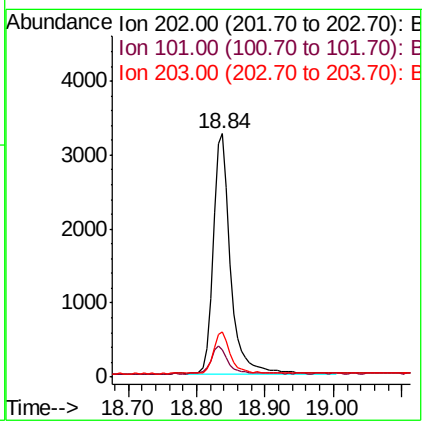


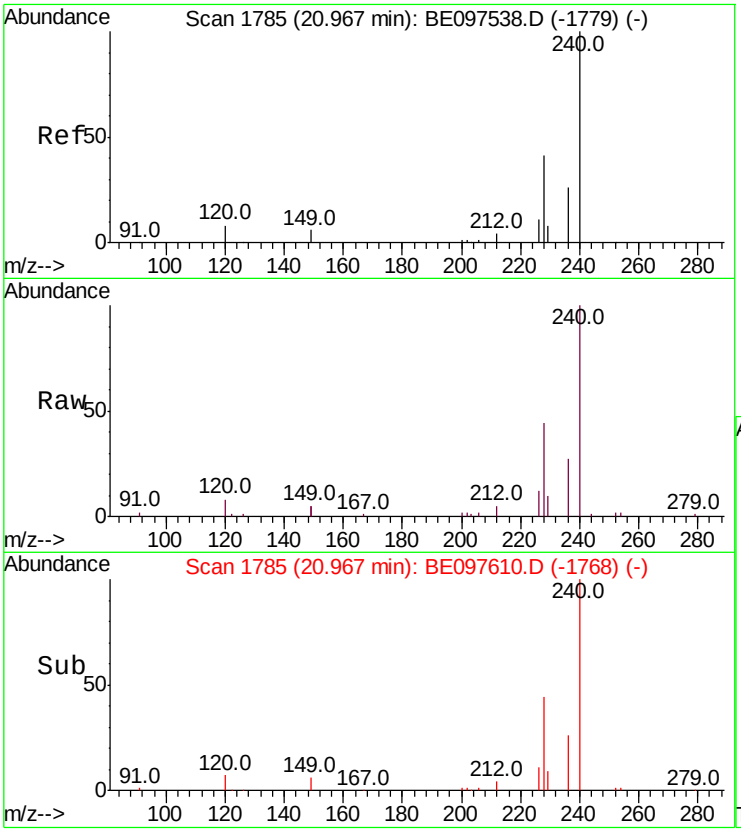


#26
Fluoranthene
Concen: 0.338 ng
RT: 18.84 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:202 Resp: 5739

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	16.9	13.7	20.5



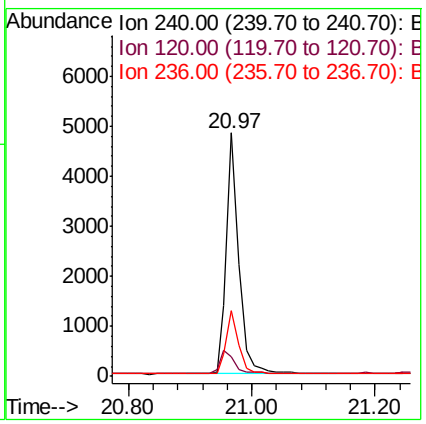


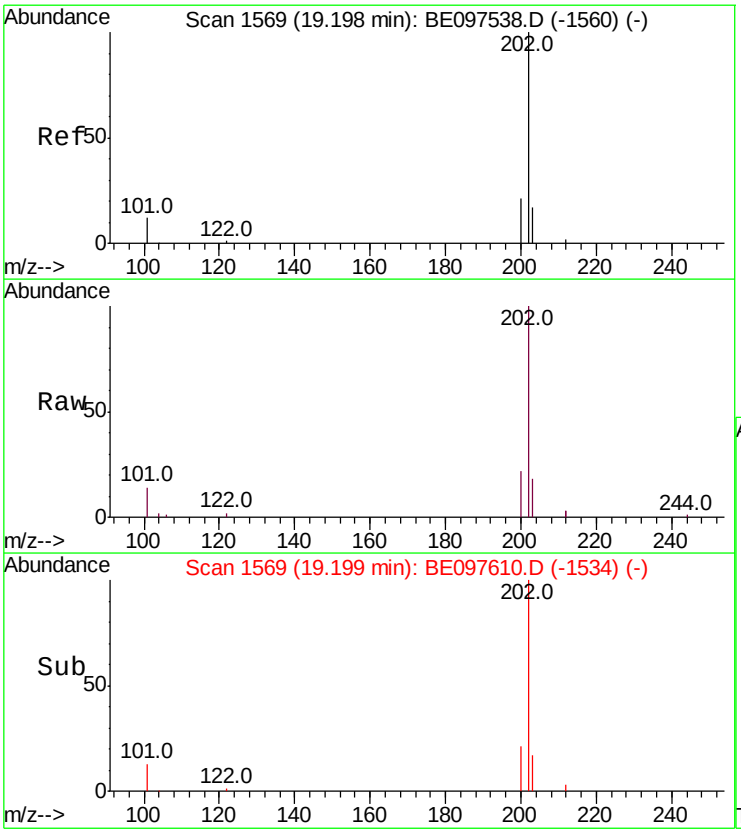
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 6869

Ion	Ratio	Lower	Upper
240	100		
120	8.3	5.5	8.3#
236	27.0	20.7	31.1

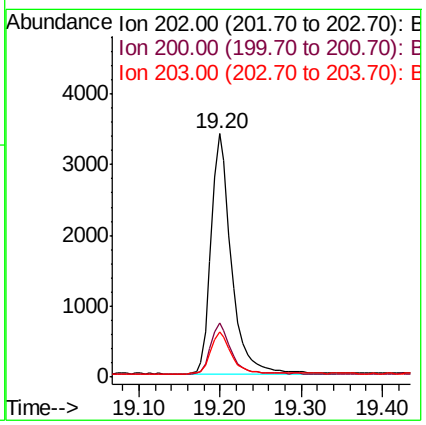


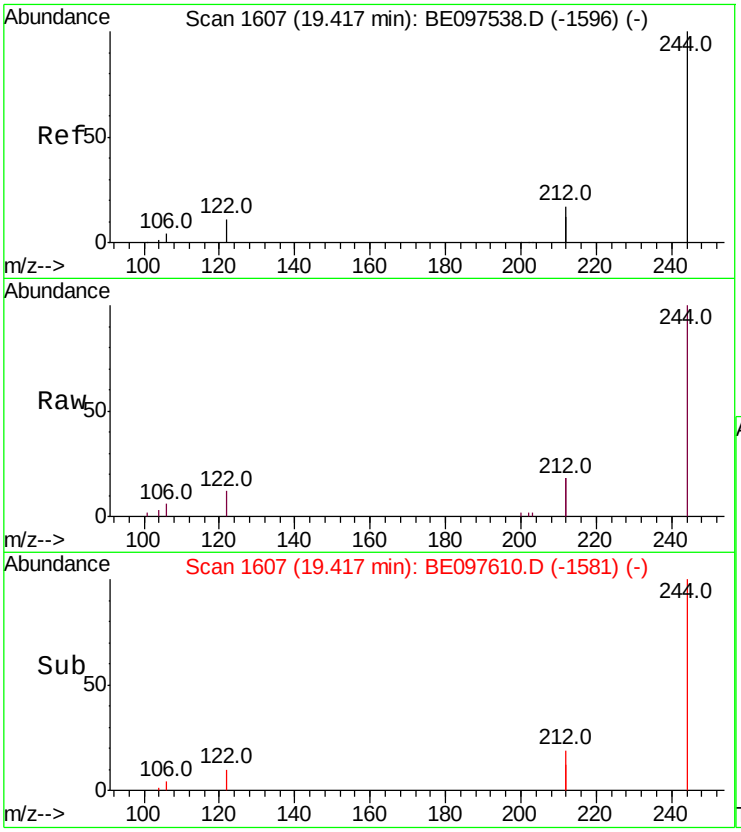


#28
Pyrene
Concen: 0.376 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:202 Resp: 5878

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.6	13.8	20.8



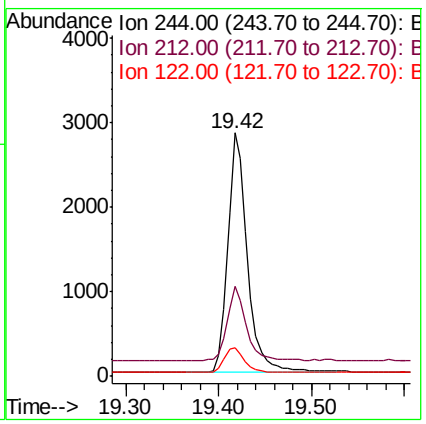


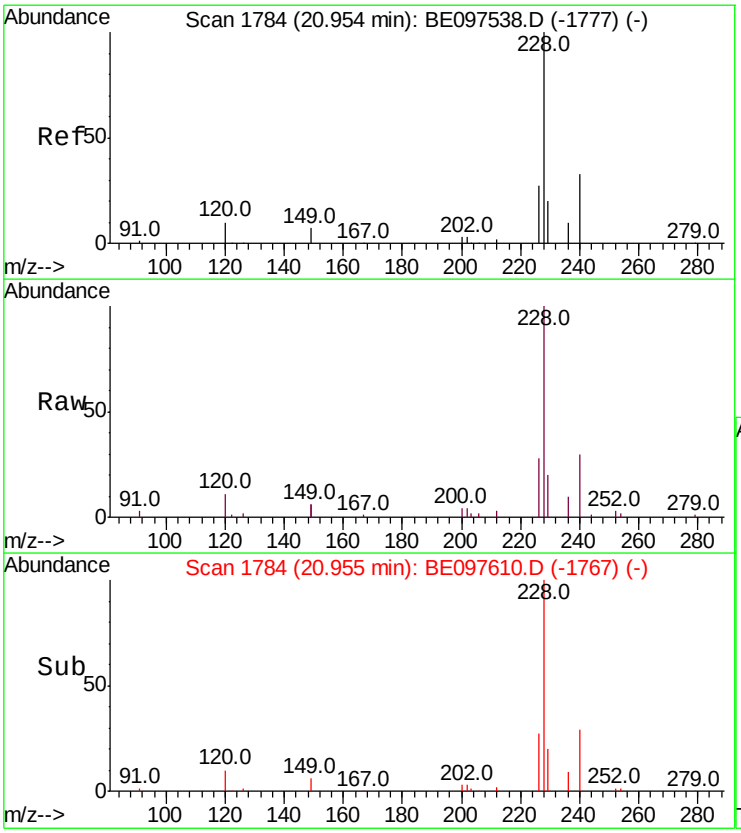
#29
Terphenyl-d14
Concen: 0.333 ng
RT: 19.42 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4183

Ion	Ratio	Lower	Upper
244	100		
212	37.0	25.4	38.0
122	11.9	8.1	12.1

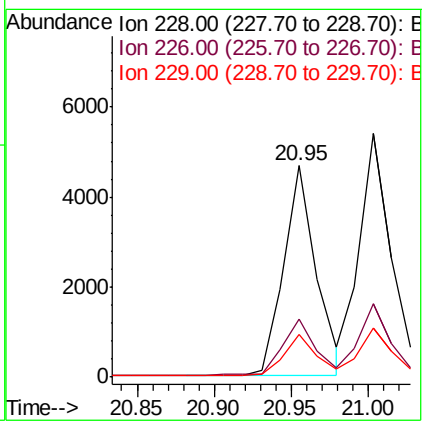


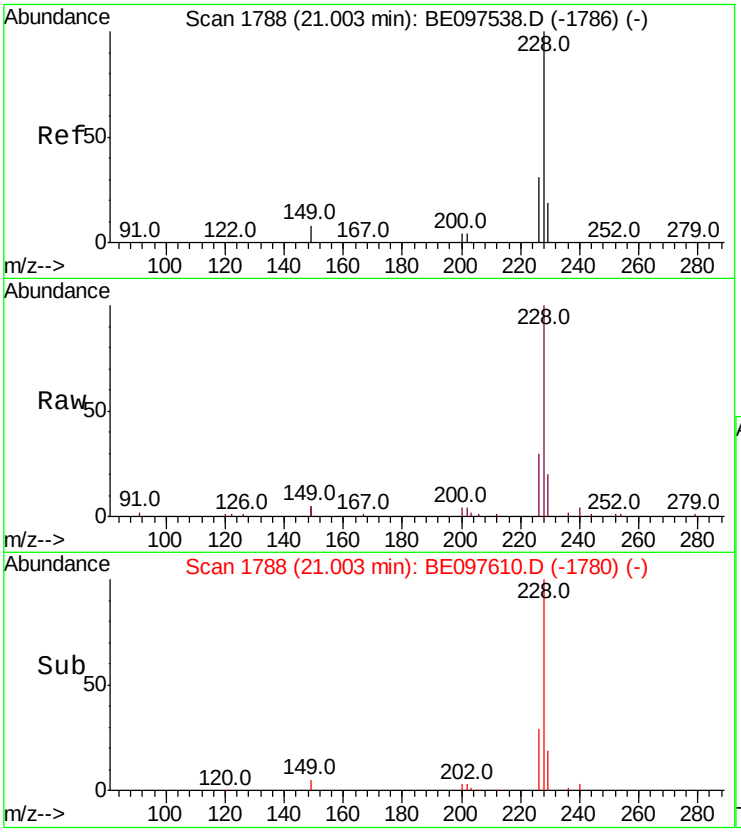


#30
Benzo(a)anthracene
Concen: 0.393 ng
RT: 20.95 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:228 Resp: 6801

Ion	Ratio	Lower	Upper
228	100		
226	27.8	24.0	36.0
229	20.4	16.0	24.0



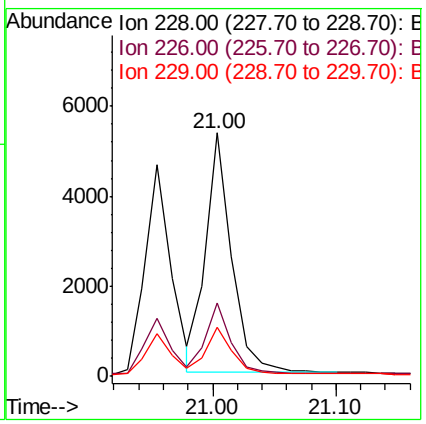


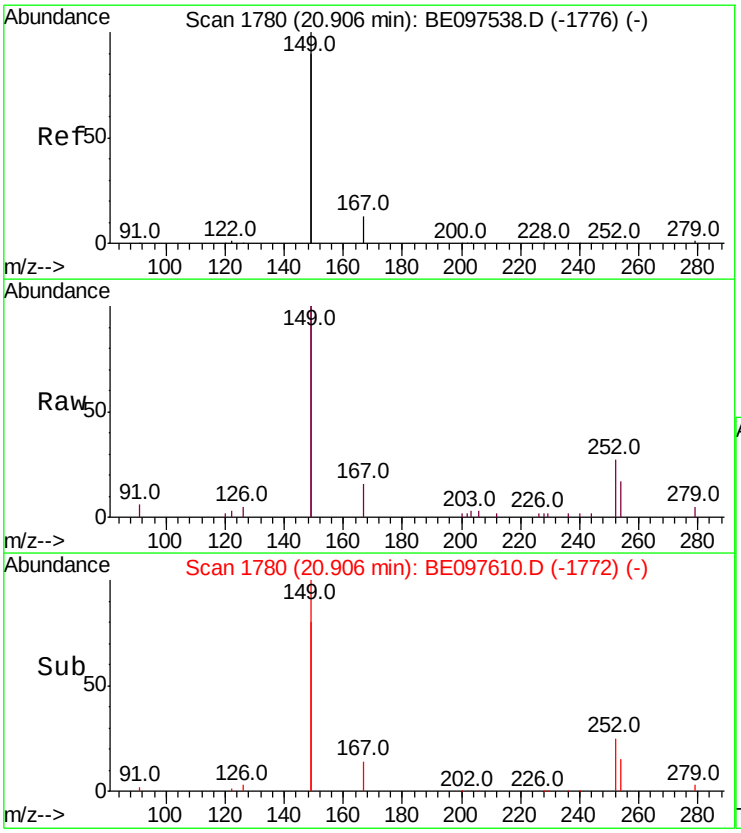
#31
Chrysene
Concen: 0.420 ng
RT: 21.00 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 7788

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.0	16.0	24.0

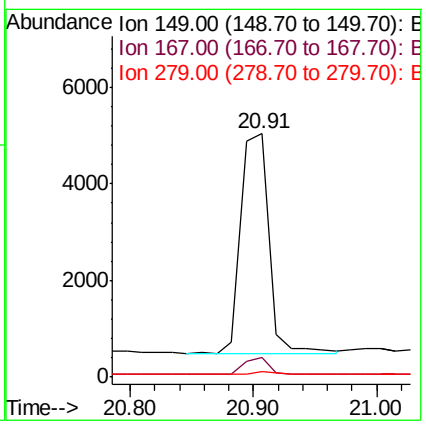


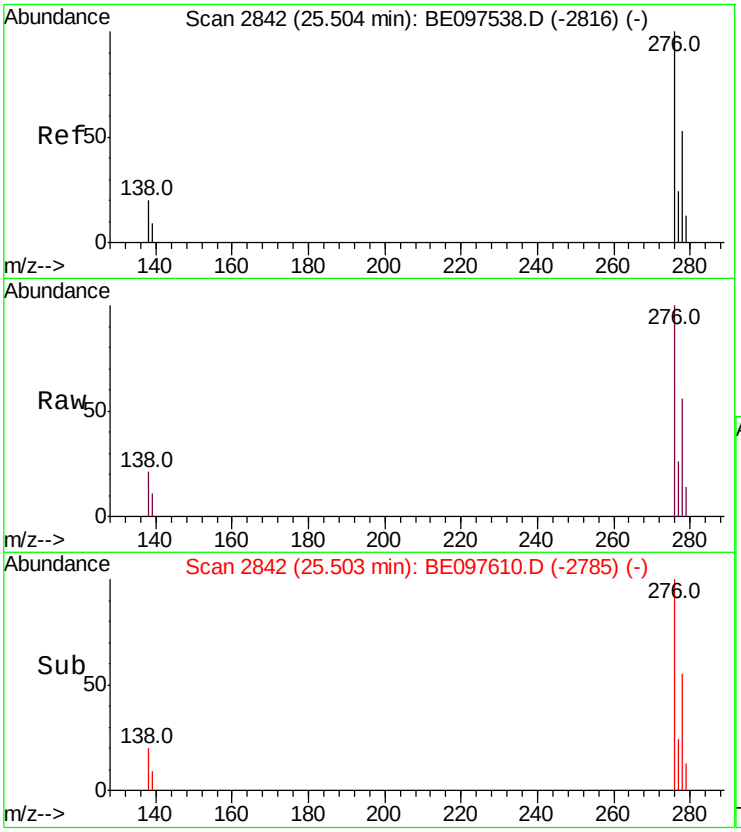


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.256 ng
RT: 20.91 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:149 Resp: 7146

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.2	0.7	1.1#



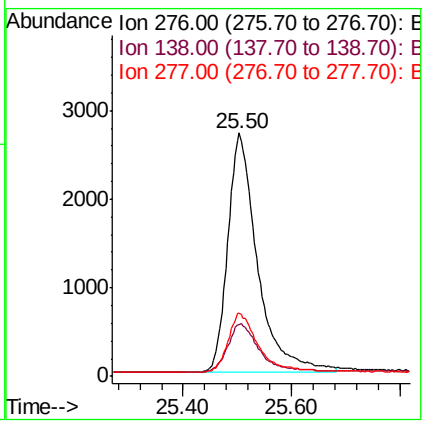


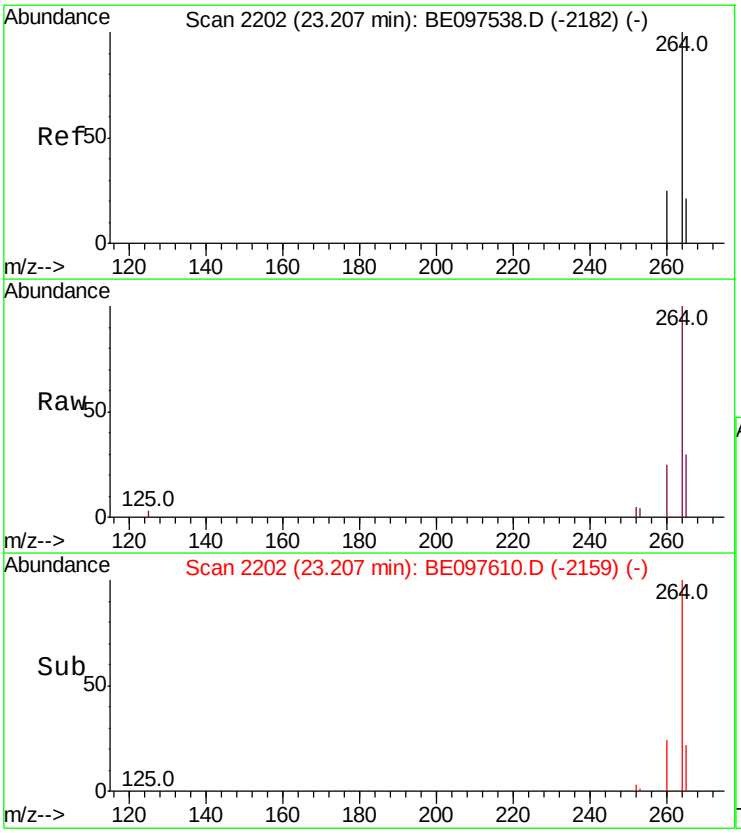
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.461 ng
RT: 25.50 min Scan# 2842
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 10296

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.5	33.7#
277	24.9	19.9	29.9

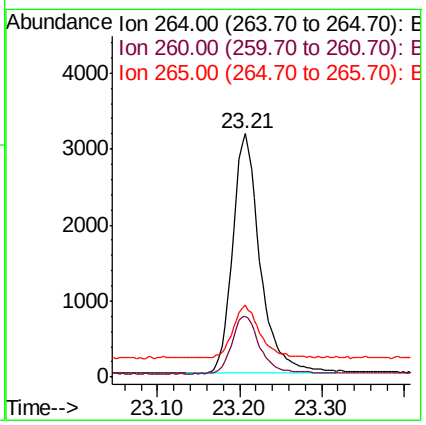


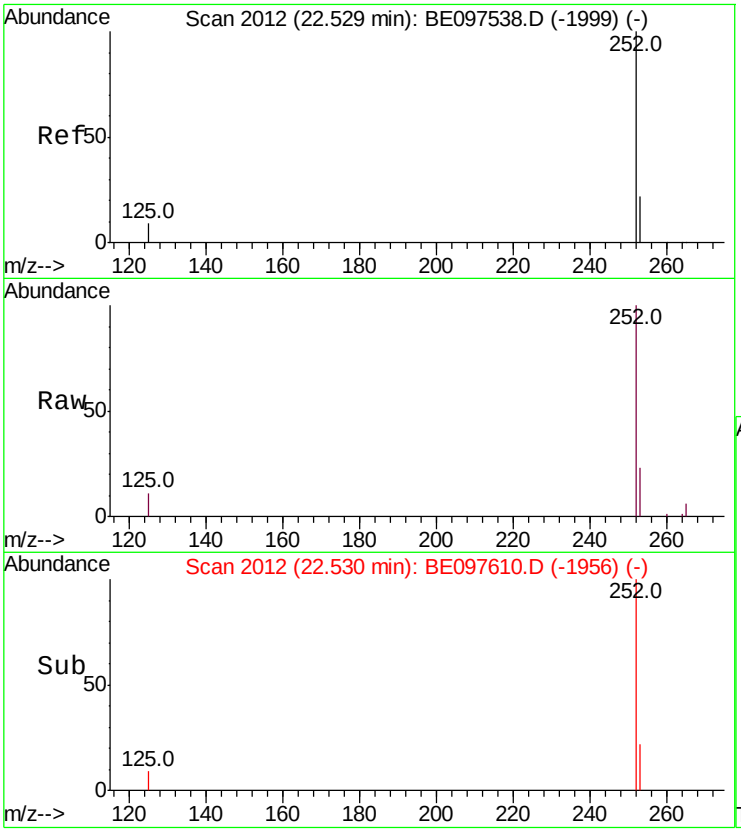


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:264 Resp: 7336

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	29.6	22.8	34.2



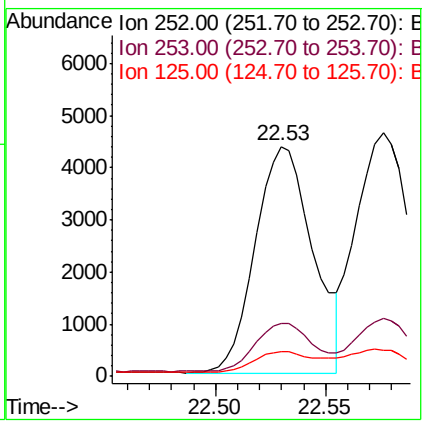


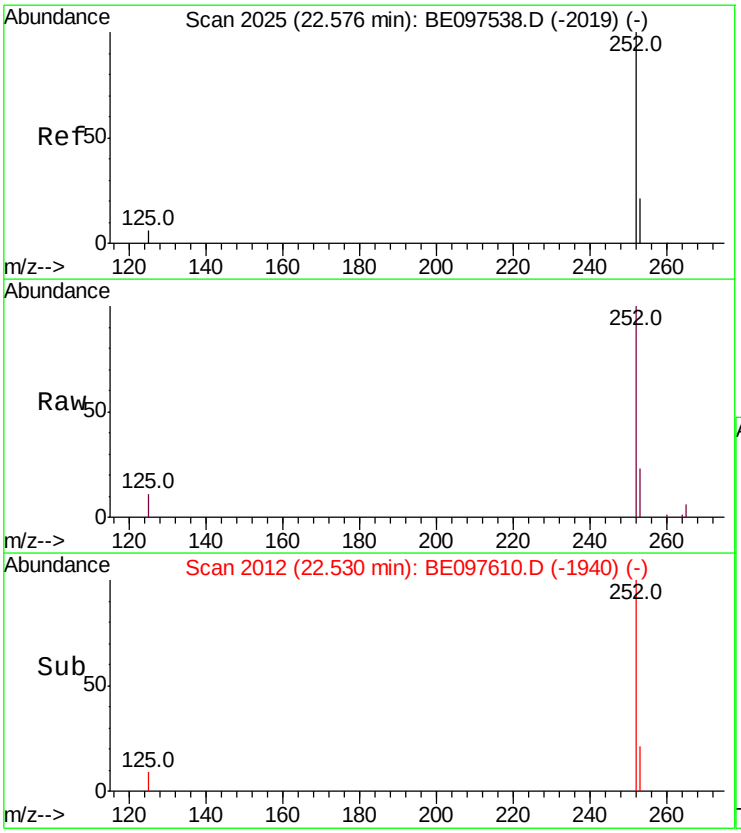
#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 7894

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.0	30.0
125	10.6	16.0	24.0#

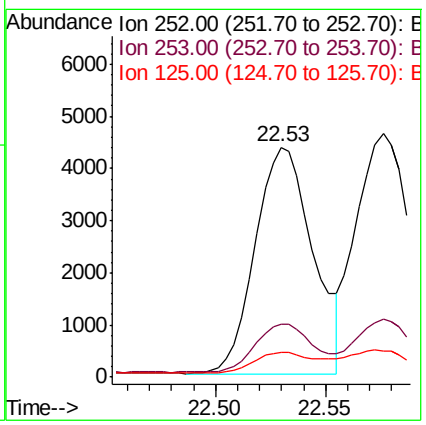


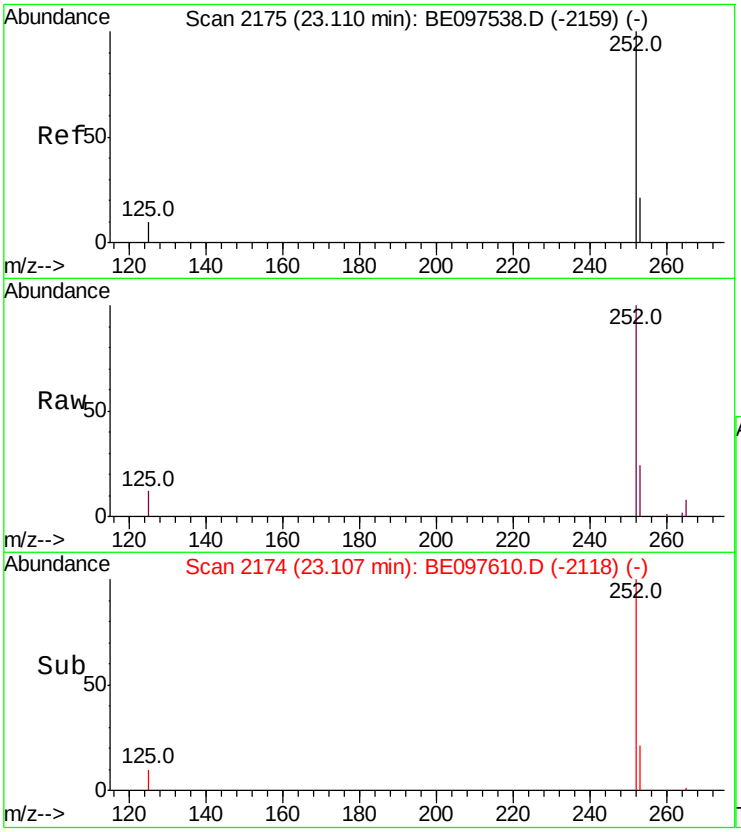


#36
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.04 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:252 Resp: 7894

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	10.6	8.0	12.0



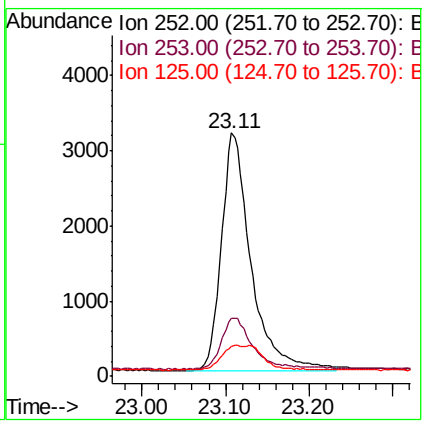


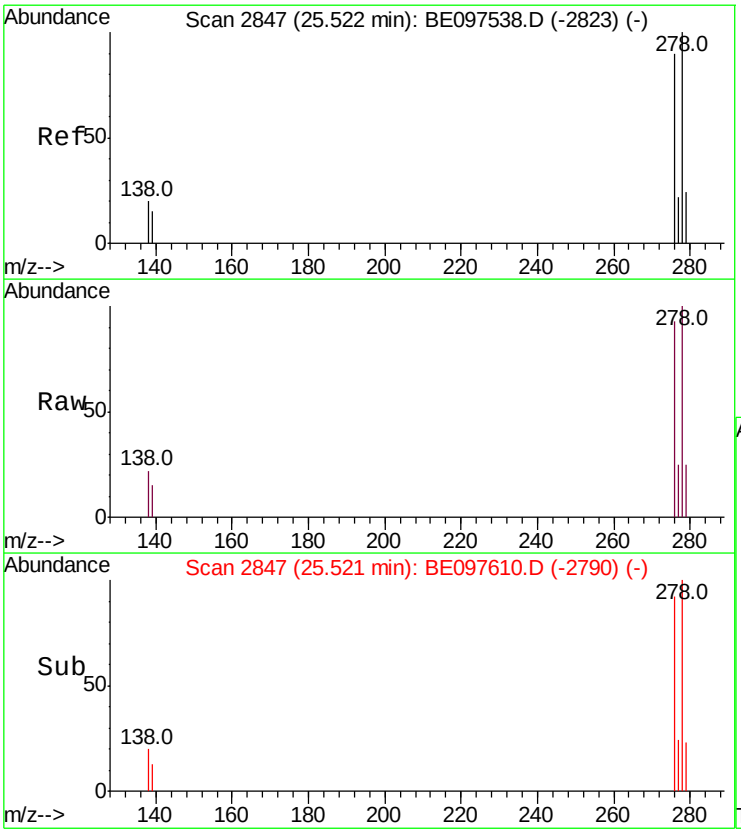
#37
Benzo(a)pyrene
Concen: 0.423 ng
RT: 23.11 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 7728

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.0	24.0
125	12.4	12.0	18.0

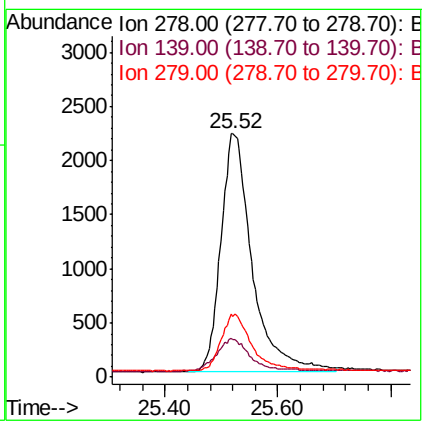


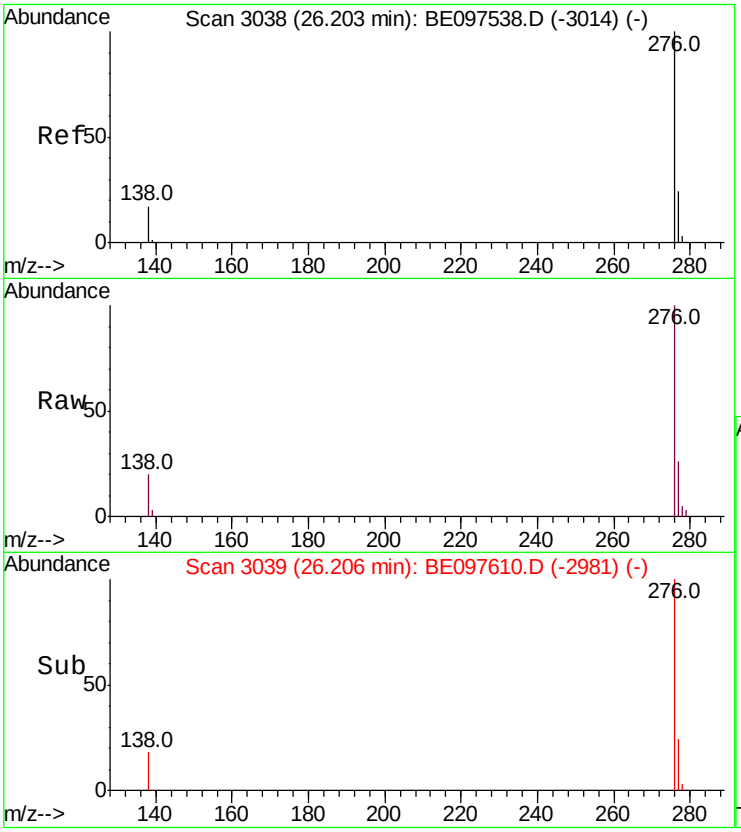


#38
Dibenzo(a,h)anthracene
Concen: 0.432 ng
RT: 25.52 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:278 Resp: 8515

Ion	Ratio	Lower	Upper
278	100		
139	15.4	16.0	24.0#
279	24.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.440 ng
RT: 26.21 min Scan# 3039
Delta R.T. 0.01 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8430

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