Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122118\
Data File : BE098553.D
Acq On : 21 Dec 2018 15:52
Operator : SJ/JU
Sample : PB115910BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB115910BS

Quant Time: Dec 22 00:57:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	457	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	1866	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	1357	0.40	ng		-0.02
19) Phenanthrene-d10	17.27	188	4602	0.40	ng		-0.01
27) Chrysene-d12	21.45	240	8796	0.40	ng		-0.01
34) Perylene-d12	23.99	264	8031	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	549	0.51	ng		0.00
5) Phenol-d6	7.05	99	747	0.49	ng		0.00
8) Nitrobenzene-d5	9.03	82	620	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.25	152	1555	0.51	ng		-0.02
14) 2,4,6-Tribromophenol	16.01	330	287	0.58	ng		-0.01
15) 2-Fluorobiphenyl	13.14	172	2066	0.36	ng		0.00
25) Fluoranthene-d10	19.30	212	31800	0.54	ng		-0.01
29) Terphenyl-d14	19.90	244	7385	0.35	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	212	0.268	ng	#	32
3) n-Nitrosodimethylamine	3.70	42	320	0.450	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	390	0.271	ng		81
9) Naphthalene	10.70	128	7594	0.404	ng	#	98
10) Hexachlorobutadiene	10.98	225	489	0.409	ng		99
12) 2-Methylnaphthalene	12.32	142	1241	0.407	ng	#	94
16) Acenaphthylene	14.24	152	2171	0.341	ng		97
17) Acenaphthene	14.59	154	1403	0.367	ng		99
18) Fluorene	15.55	166	2062	0.403	ng		97
20) 4-Bromophenyl-phenylether	16.45	248	714	0.288	ng		92
21) Hexachlorobenzene	16.57	284	880	0.330	ng		94
22) Pentachlorophenol	16.93	266	531	1.024	ng		94
23) Phenanthrene	17.30	178	4340	0.388	ng		99
24) Anthracene	17.40	178	3595	0.361	ng		98
26) Fluoranthene	19.33	202	7558	0.511	ng		98
28) Pyrene	19.69	202	7802	0.283	ng		99
30) Benzo(a)anthracene	21.44	228	9155	0.366	ng		99
31) Chrysene	21.49	228	9811	0.374	ng		99
32) Bis(2-ethylhexyl)phthalate	21.35	149	16890	0.332	ng		99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9645	0.369	ng		97
35) Benzo(b)fluoranthene	23.21	252	9552	0.435	ng		98
36) Benzo(k)fluoranthene	23.26	252	10246	0.400	ng		98
37) Benzo(a)pyrene	23.88	252	9101	0.402	ng		97
38) Dibenzo(a,h)anthracene	26.69	278	7702	0.361	ng		98
39) Benzo(g,h,i)perylene	27.49	276	8214	0.382	ng		98

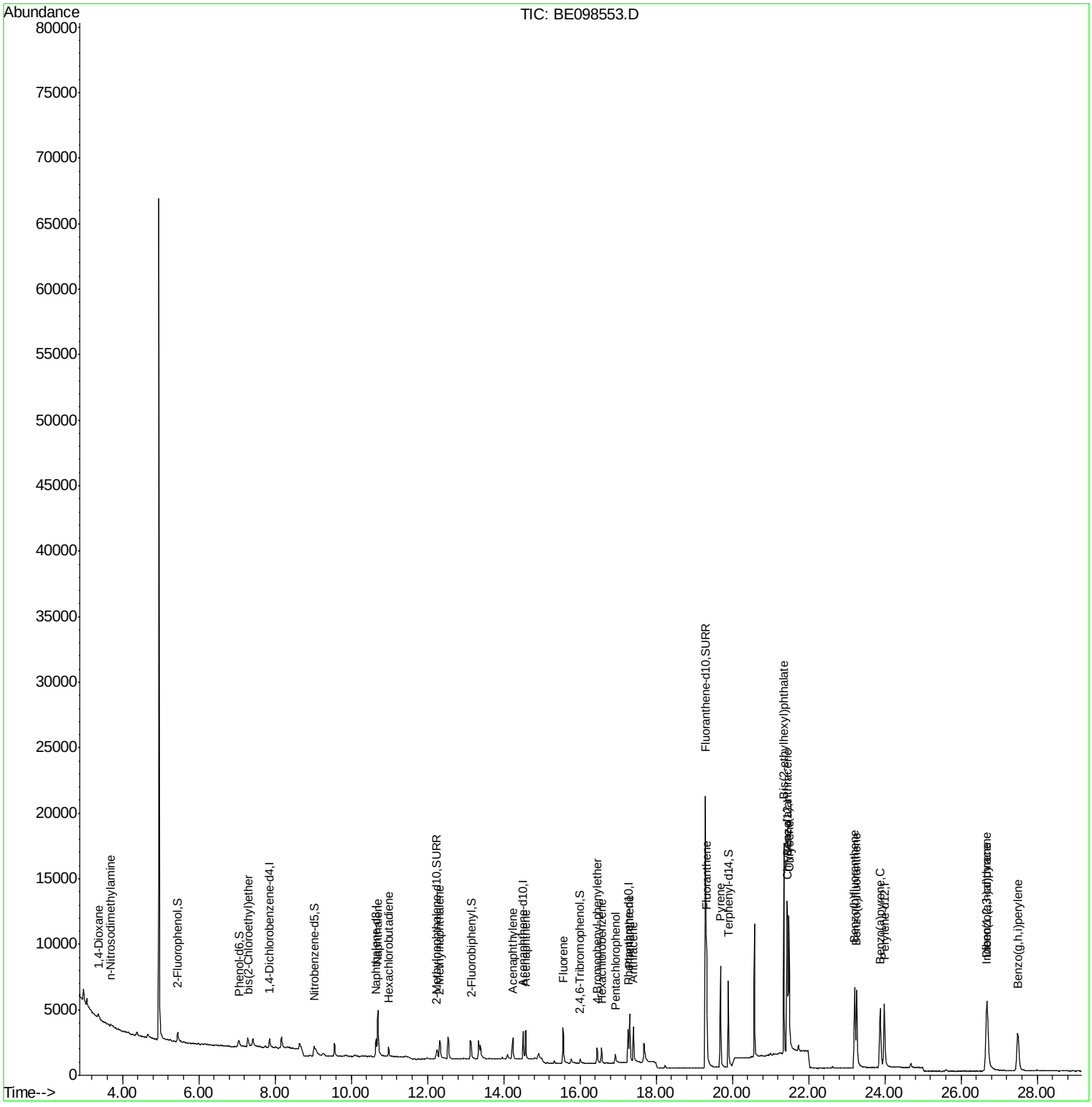
(#) = qualifier out of range (m) = manual integration (+) = signals summed

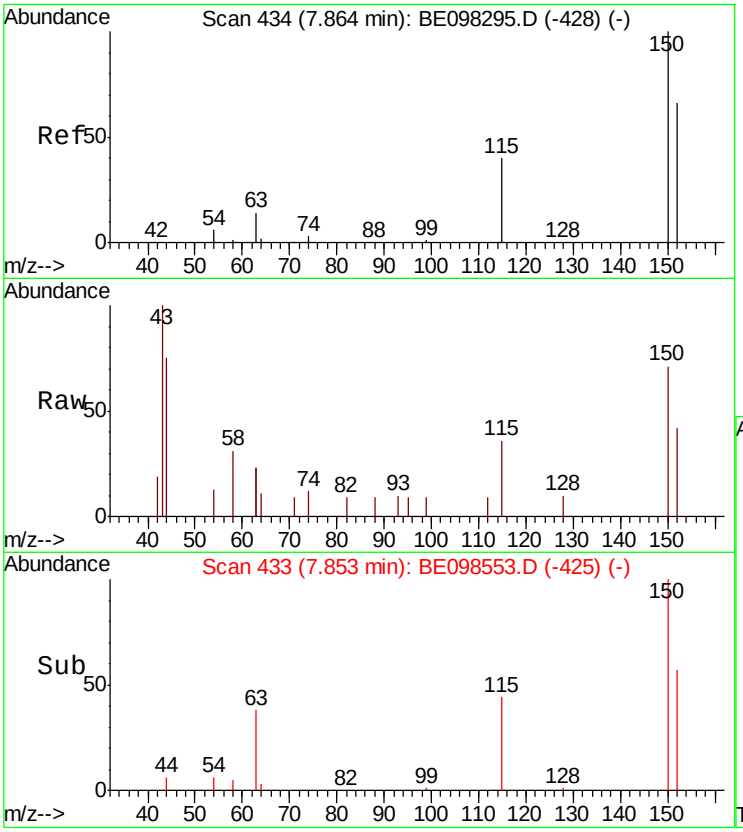
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122118\
Data File : BE098553.D
Acq On : 21 Dec 2018 15:52
Operator : SJ/JU
Sample : PB115910BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Quant Time: Dec 22 00:57:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



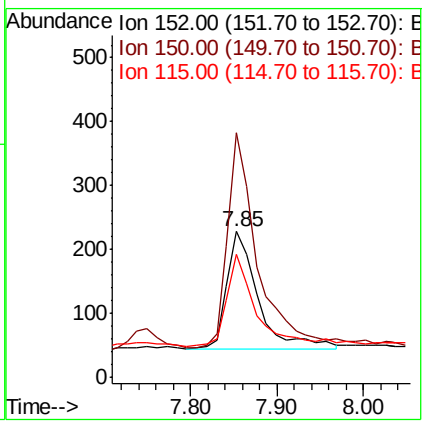


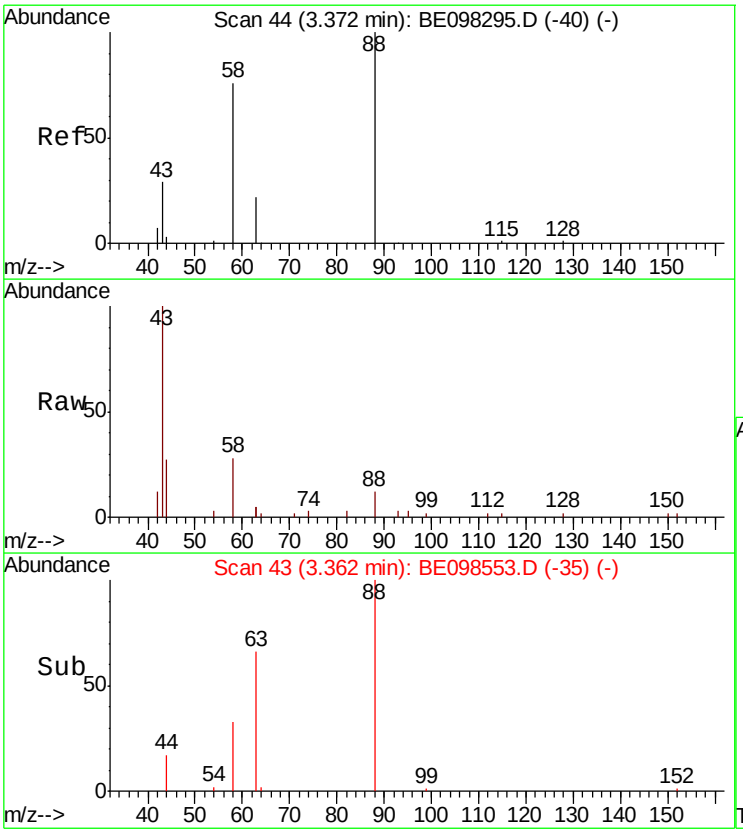
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:152 Resp: 457

Ion	Ratio	Lower	Upper
152	100		
150	168.3	124.2	186.4
115	84.6	53.9	80.9#

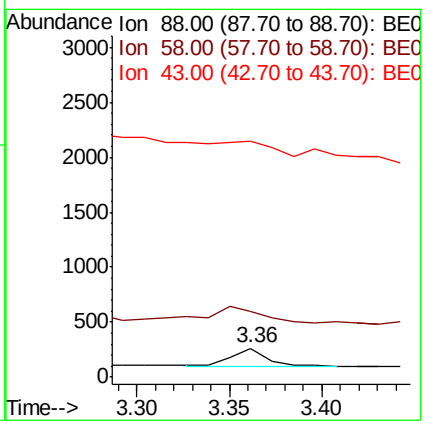


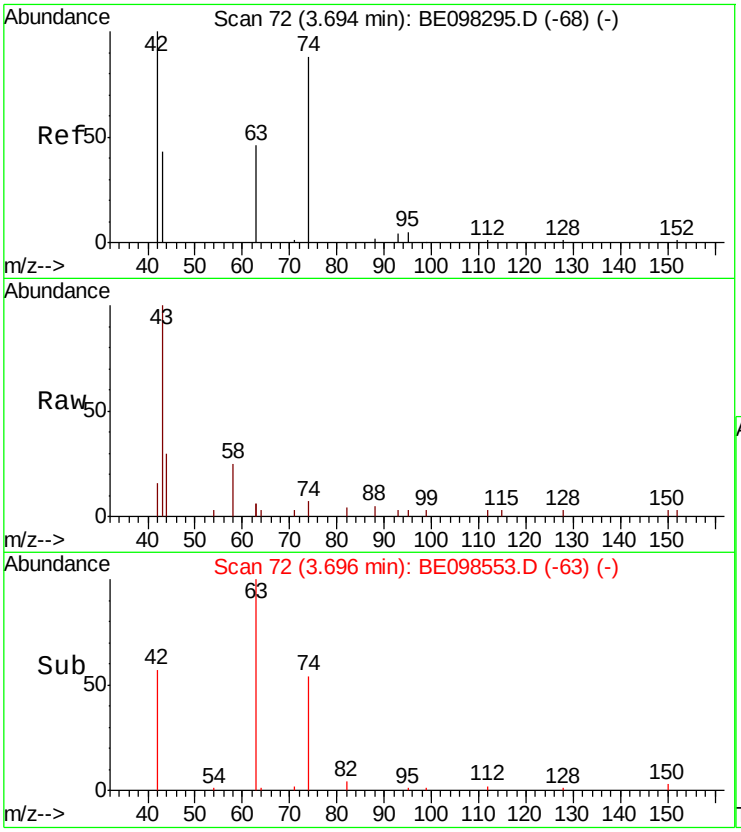


#2
1,4-Dioxane
Concen: 0.268 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion: 88 Resp: 212

Ion	Ratio	Lower	Upper
88	100		
58	158.5	75.0	112.6#
43	0.0	38.3	57.5#



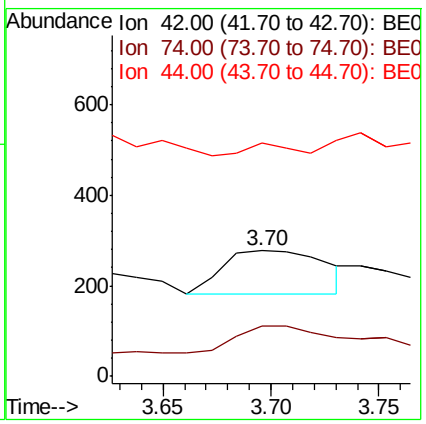


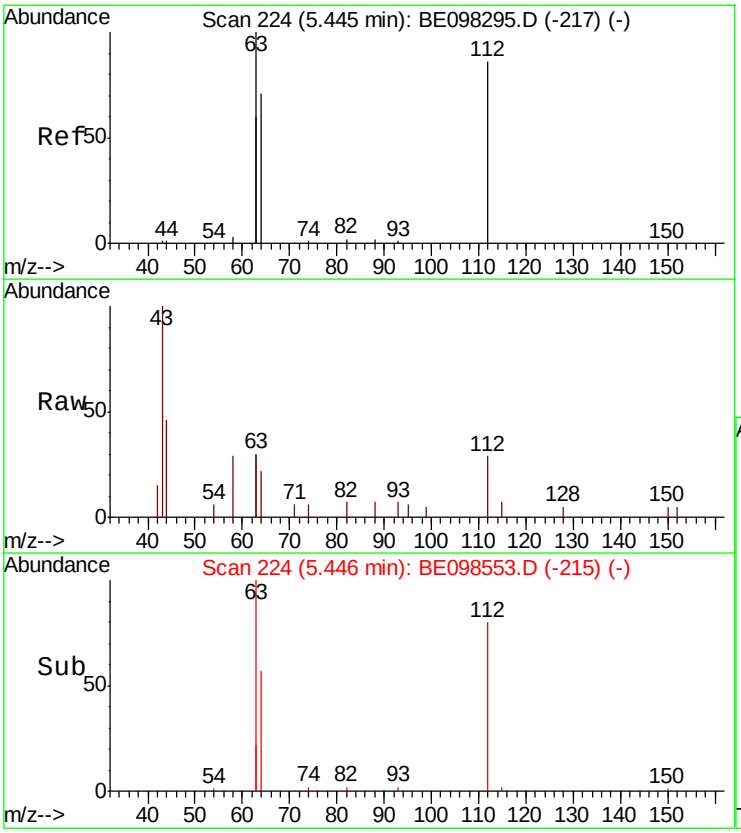
#3
n-Nitrosodimethylamine
Concen: 0.450 ng
RT: 3.70 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion: 42 Resp: 320

Ion	Ratio	Lower	Upper
42	100		
74	59.7	0.0	0.0#
44	12.2	0.0	0.0#

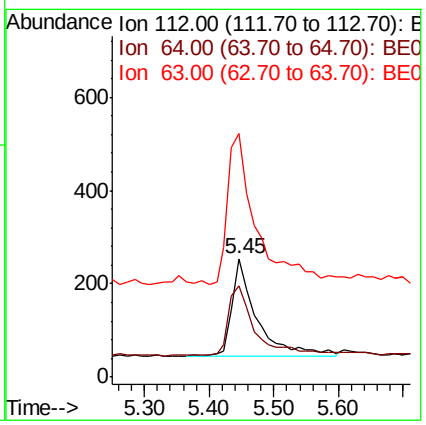


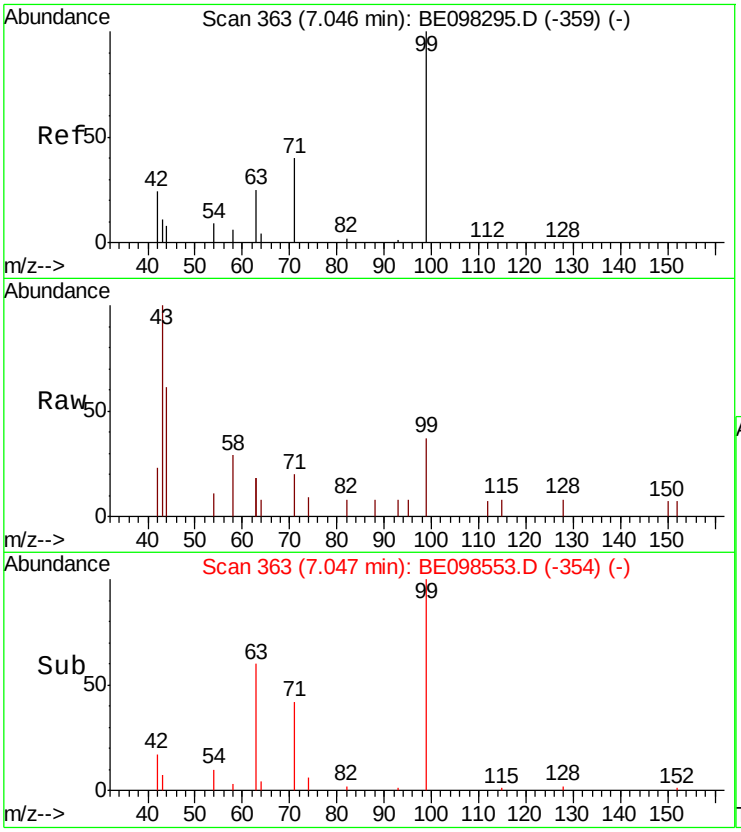


#4
2-Fluorophenol
Concen: 0.513 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:112 Resp: 549

Ion	Ratio	Lower	Upper
112	100		
64	81.8	59.8	89.8
63	188.9	133.7	200.5



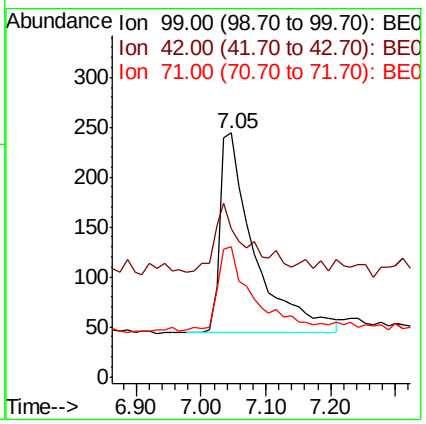


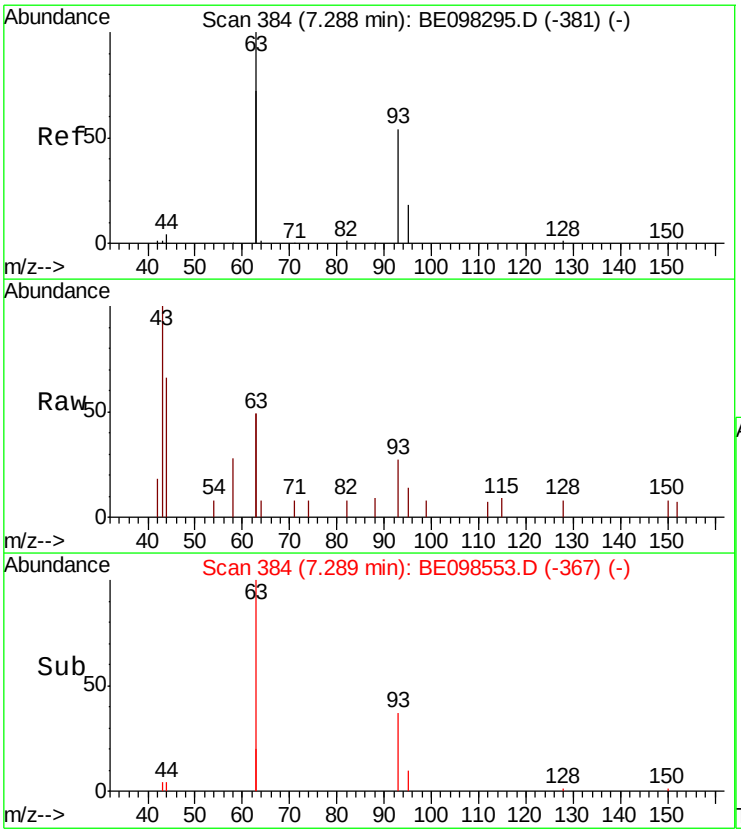
#5
Phenol-d6
Concen: 0.493 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion: 99 Resp: 747

Ion	Ratio	Lower	Upper
99	100		
42	30.3	26.3	39.5
71	42.3	33.6	50.4

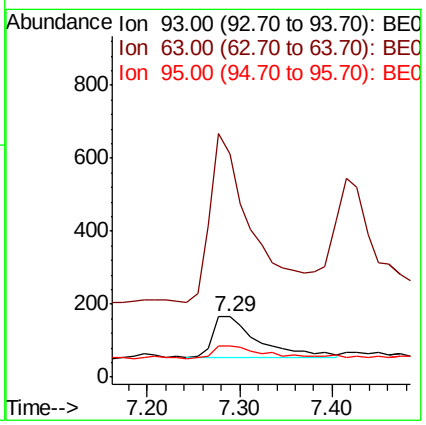


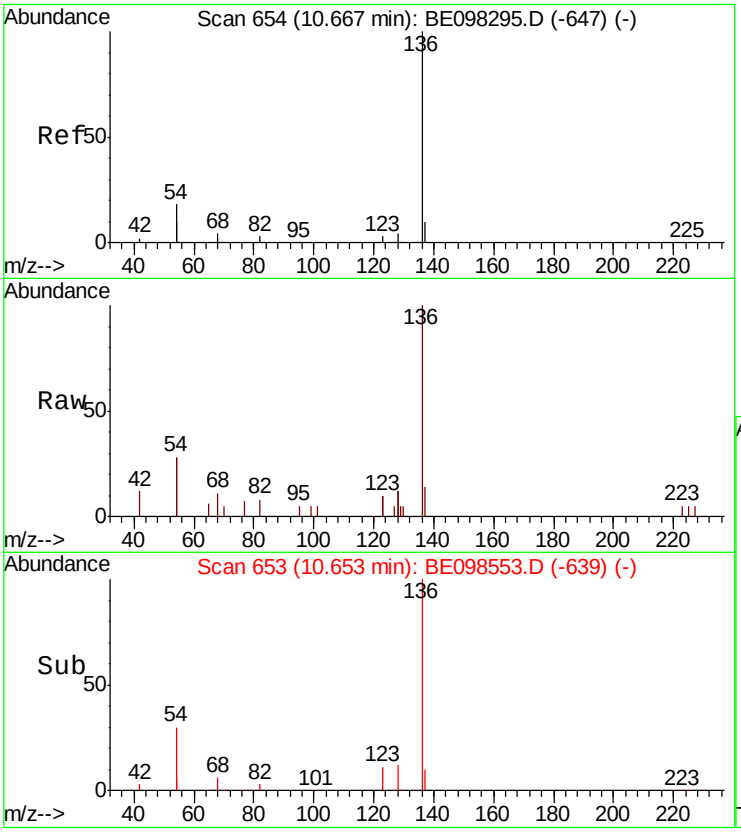


#6
bis(2-Chloroethyl)ether
Concen: 0.271 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion: 93 Resp: 390

Ion	Ratio	Lower	Upper
93	100		
63	373.6	264.4	396.6
95	32.8	26.6	40.0



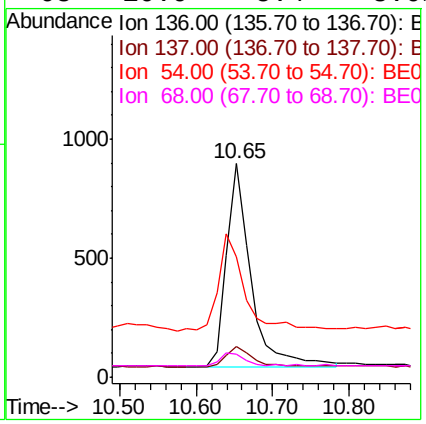


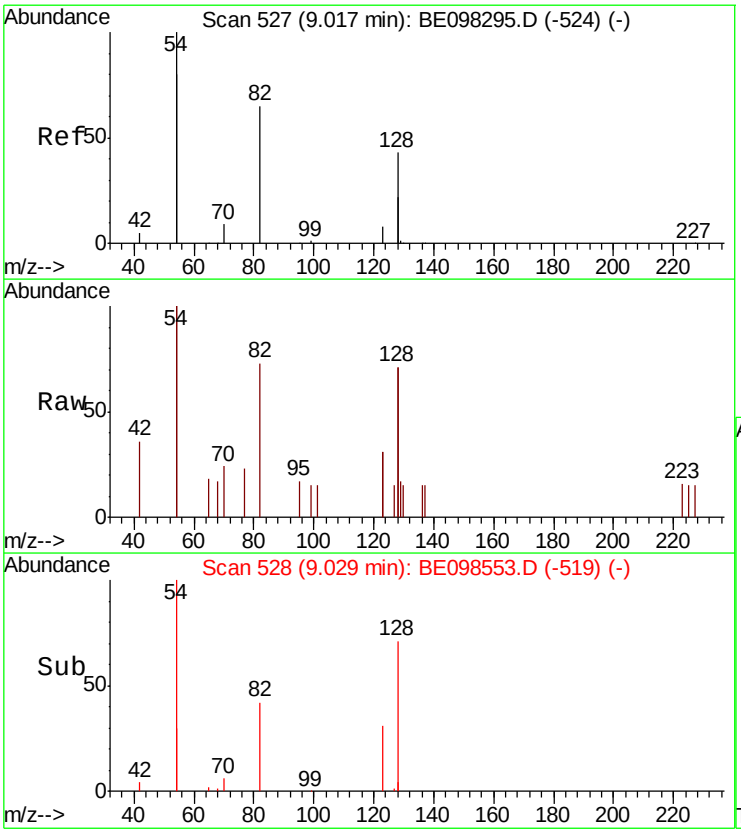
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:136 Resp: 1866

Ion	Ratio	Lower	Upper
136	100		
137	14.3	9.2	13.8#
54	56.2	28.4	42.6#
68	10.9	5.4	8.0#

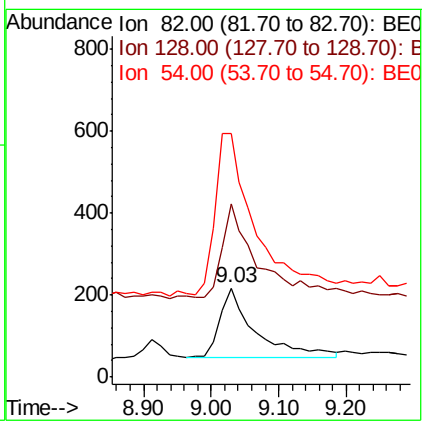


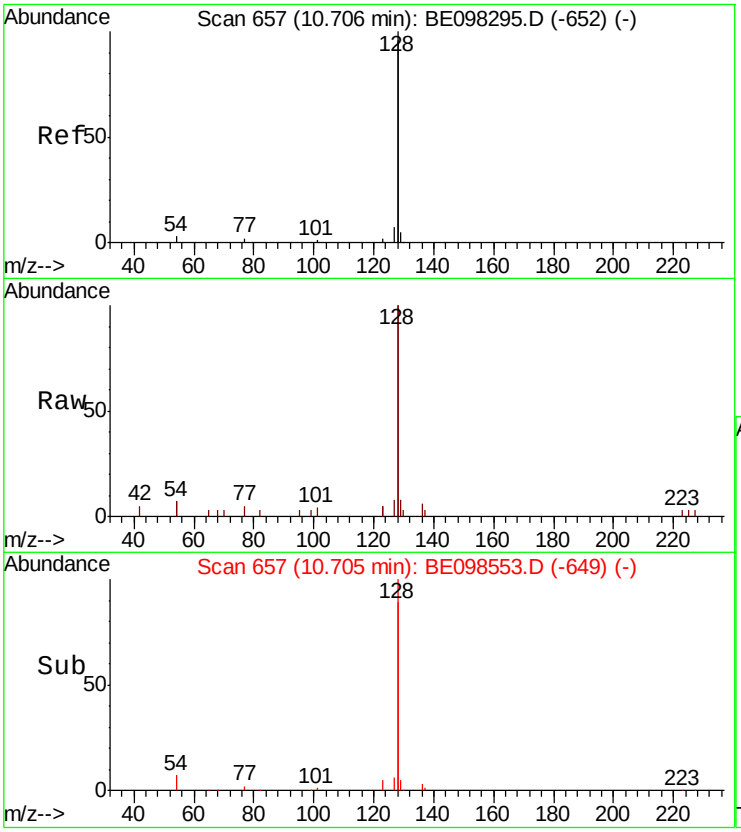


#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion: 82 Resp: 620

Ion	Ratio	Lower	Upper
82	100		
128	194.5	102.4	153.6#
54	273.7	221.8	332.8



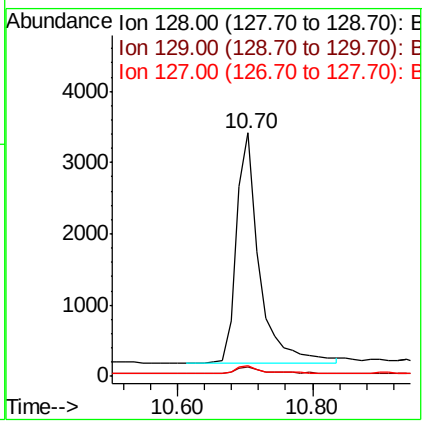


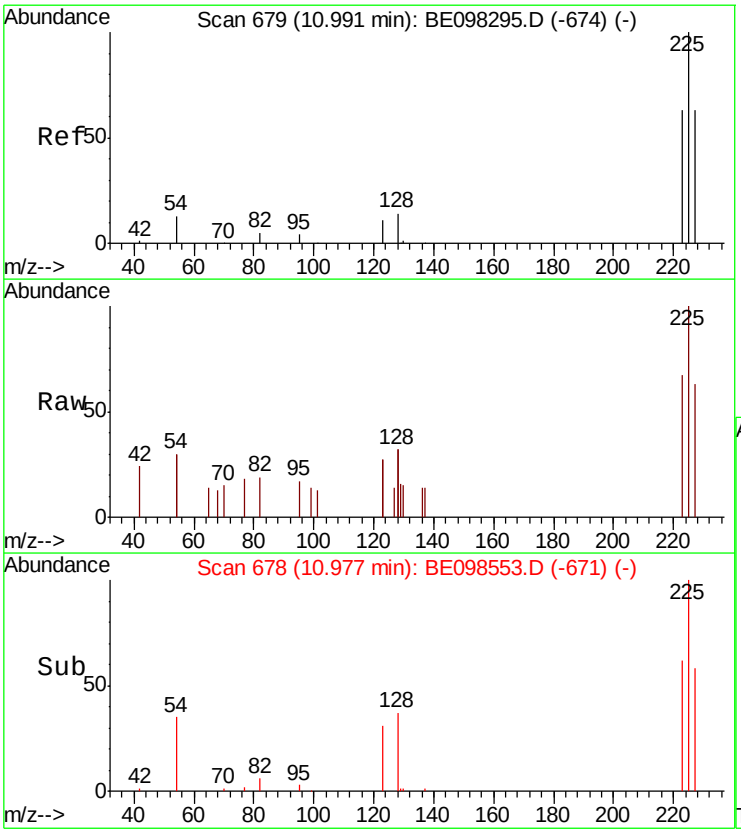
#9
Naphthalene
Concen: 0.404 ng
RT: 10.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:128 Resp: 7594

Ion	Ratio	Lower	Upper
128	100		
129	3.9	2.5	3.7#
127	4.2	2.7	4.1#

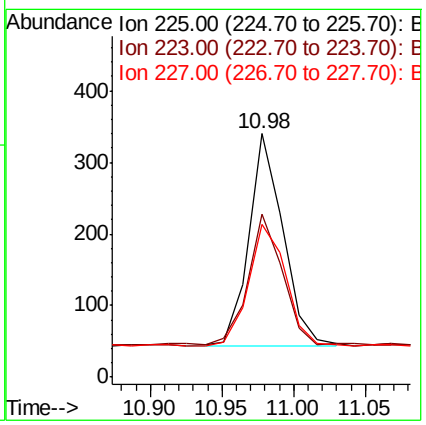


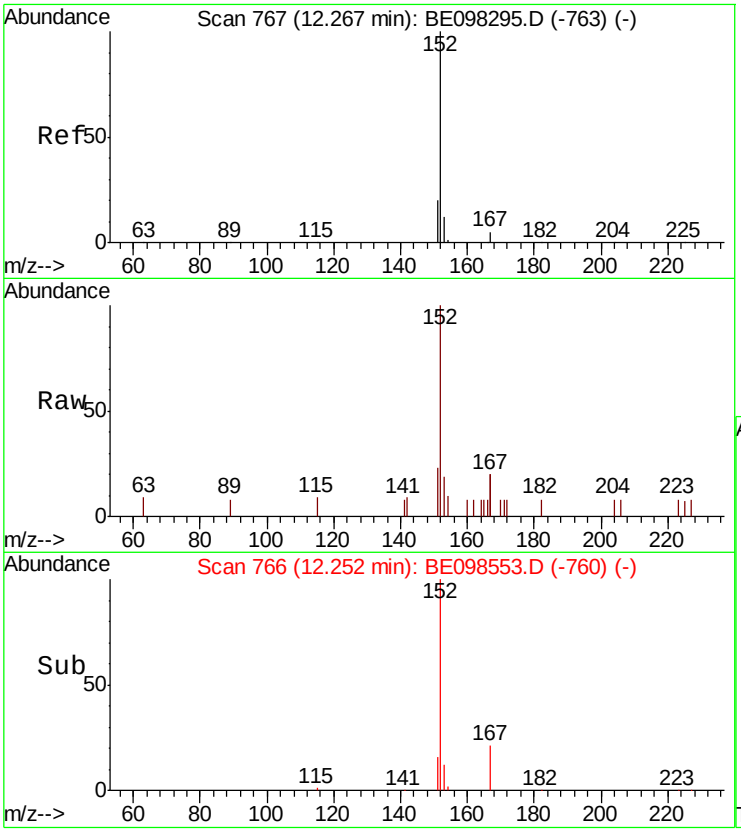


#10
Hexachlorobutadiene
Concen: 0.409 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:225 Resp: 489

Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.4	74.0
227	63.8	52.0	78.0



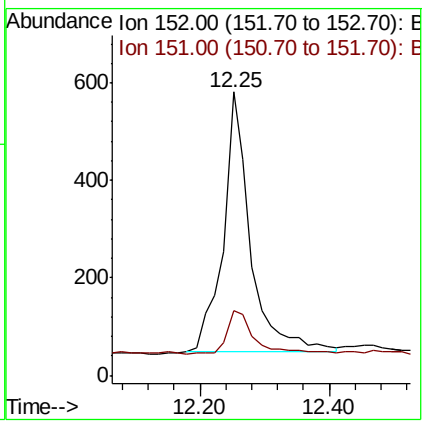


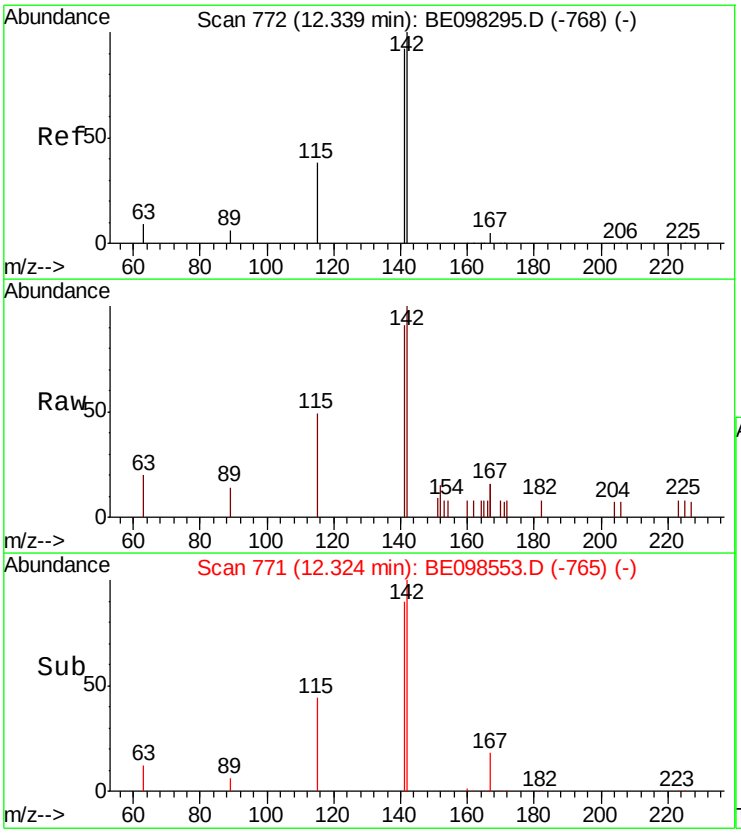
#11
2-Methylnaphthalene-d10
Concen: 0.512 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:152 Resp: 1555

Ion	Ratio	Lower	Upper
152	100		
151	17.0	16.2	24.4

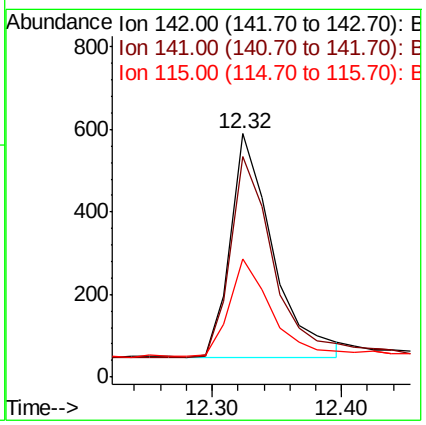


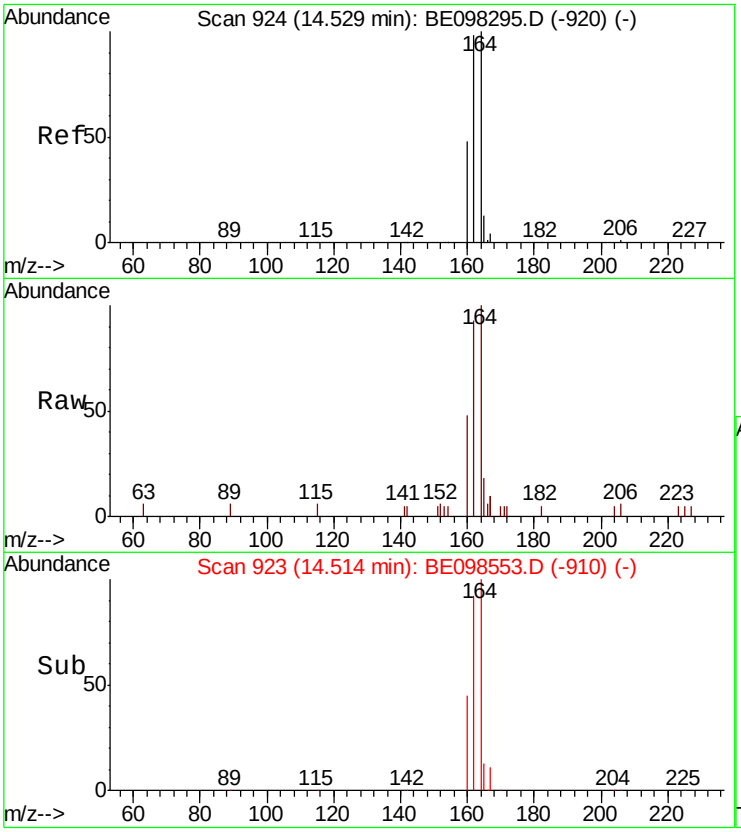


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:142 Resp: 1241

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.0	106.6
115	48.6	32.2	48.2#



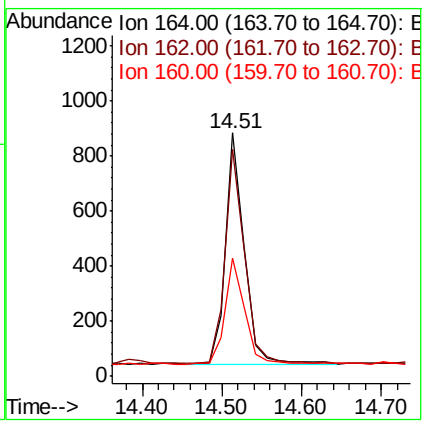


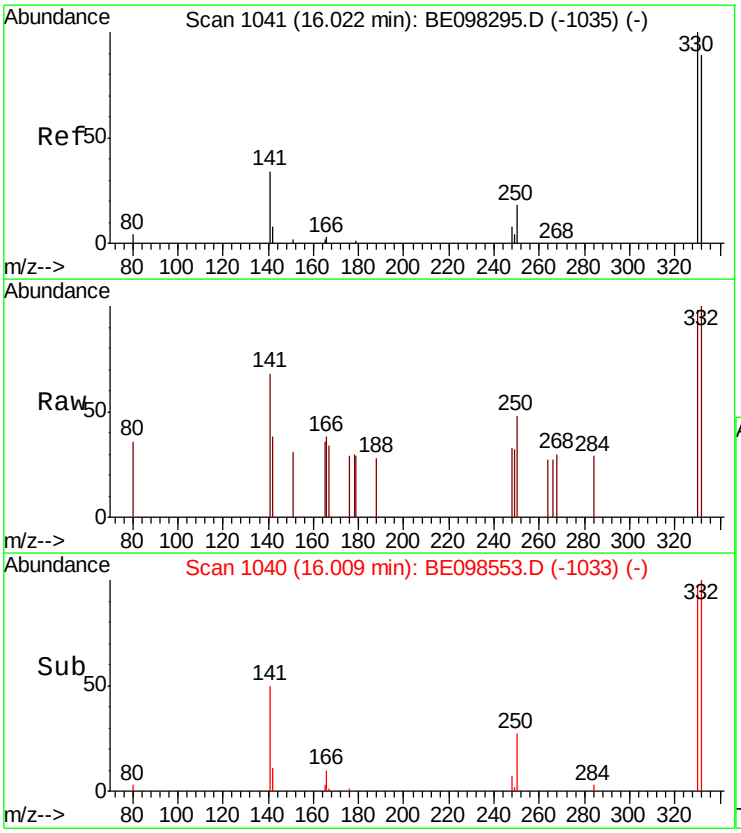
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:164 Resp: 1357

Ion	Ratio	Lower	Upper
164	100		
162	93.1	77.6	116.4
160	48.3	36.0	54.0

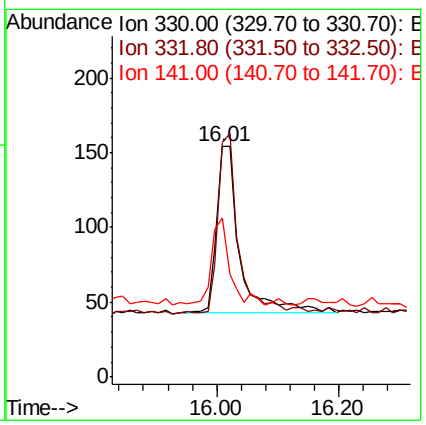


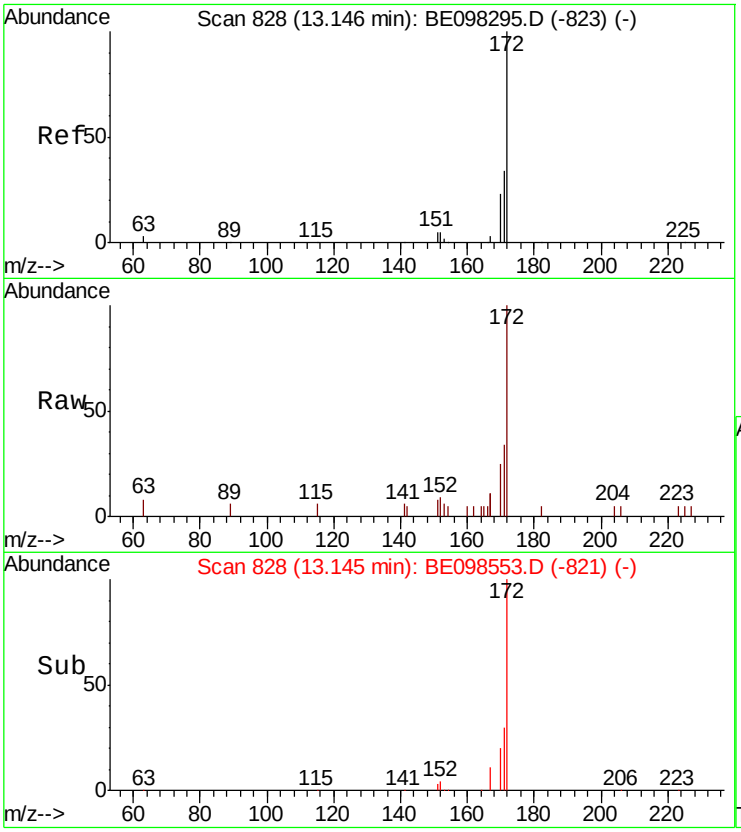


#14
2,4,6-Tribromophenol
Concen: 0.576 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:330 Resp: 287

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	41.8	39.0	58.4



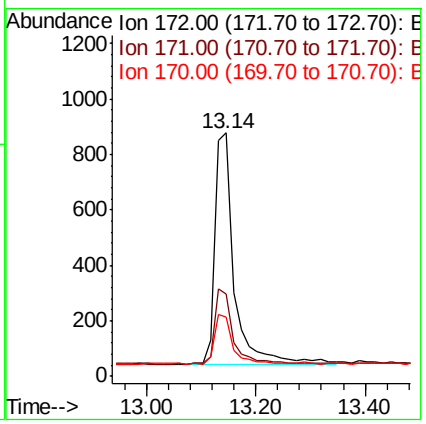


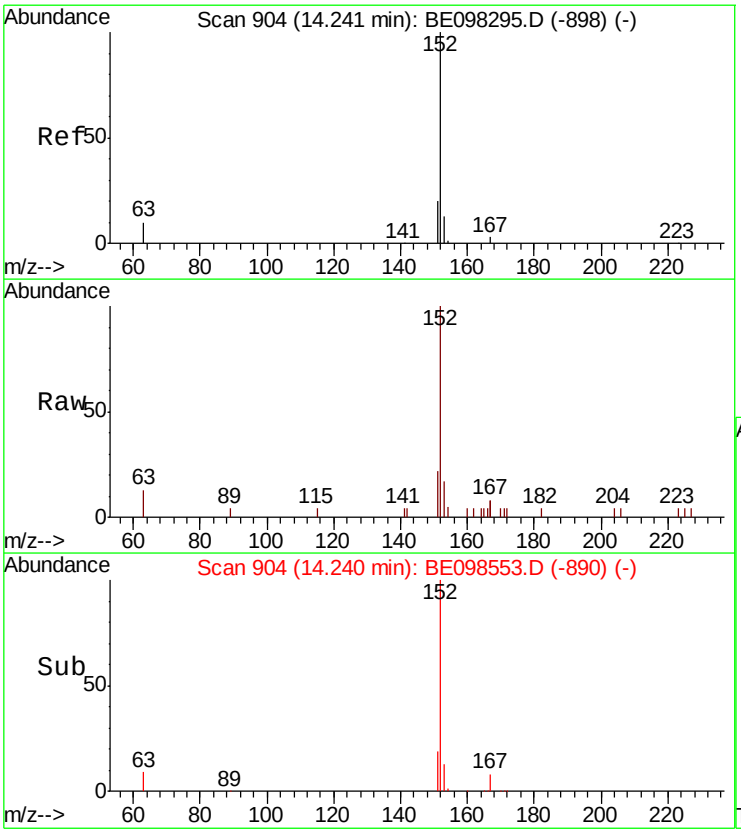
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:172 Resp: 2066

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.5	41.3
170	24.6	19.6	29.4

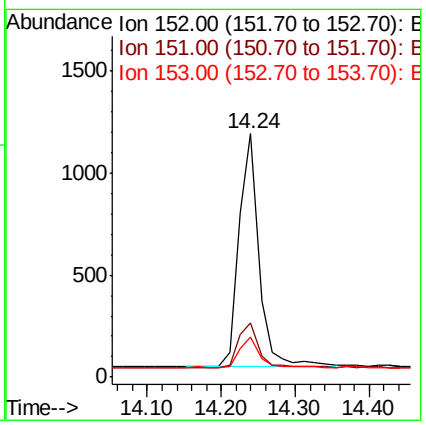


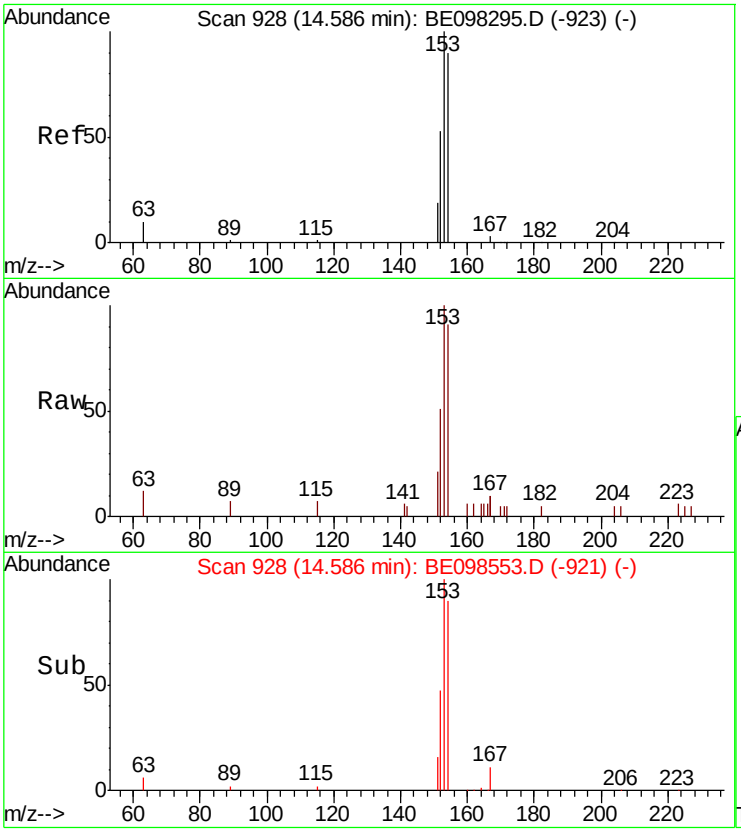


#16
Acenaphthylene
Concen: 0.341 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:152 Resp: 2171

Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.5	23.3
153	14.1	10.6	16.0



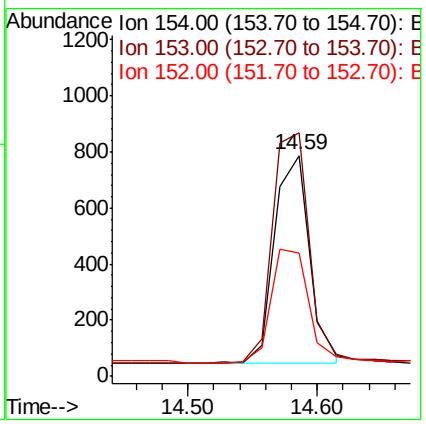


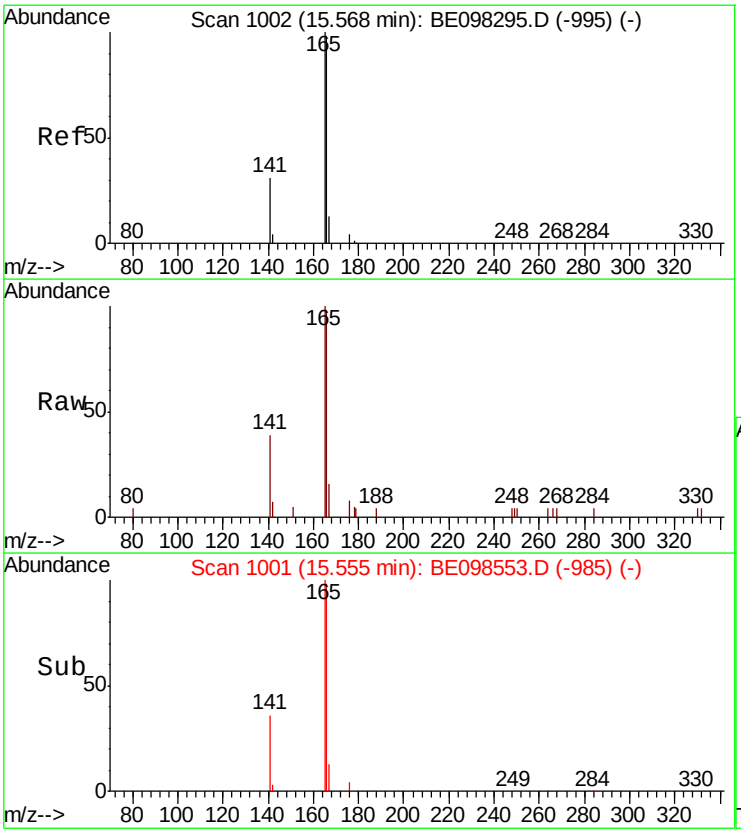
#17
Acenaphthene
Concen: 0.367 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:154 Resp: 1403

Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.8	137.6
152	58.4	45.5	68.3

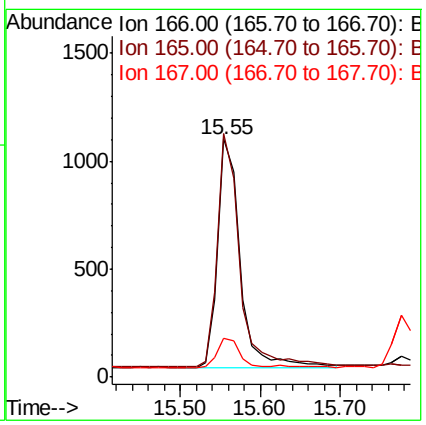


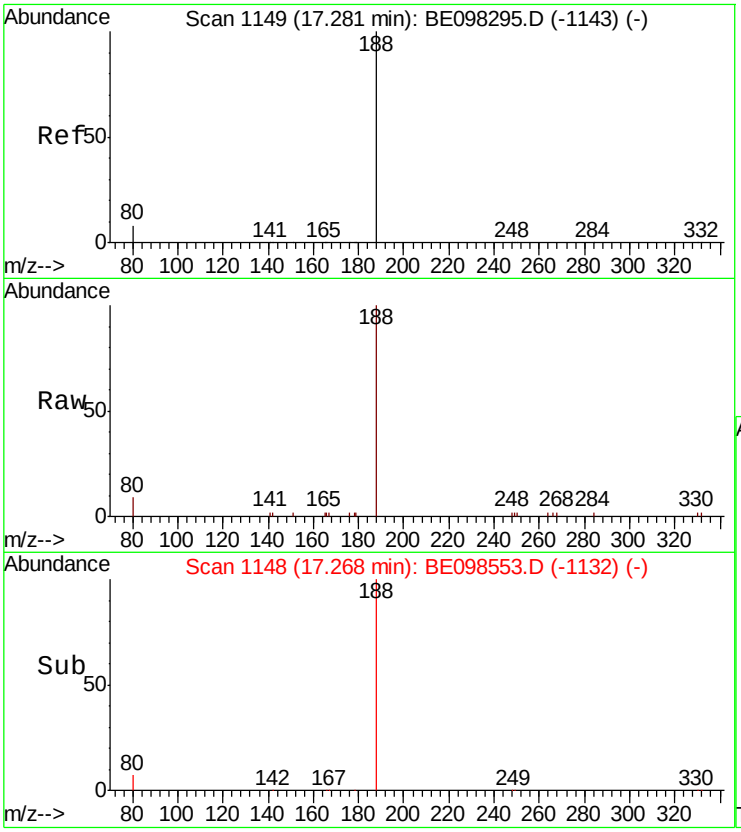


#18
Fluorene
Concen: 0.403 ng
RT: 15.55 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:166 Resp: 2062

Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.3	118.9
167	13.6	11.3	16.9



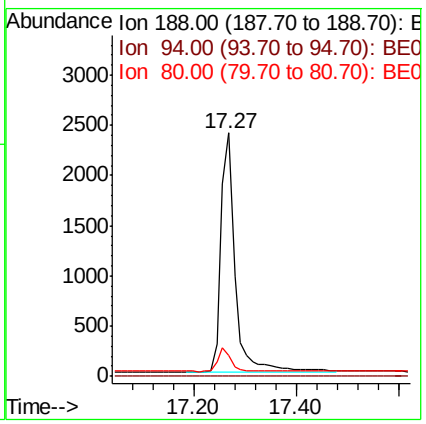


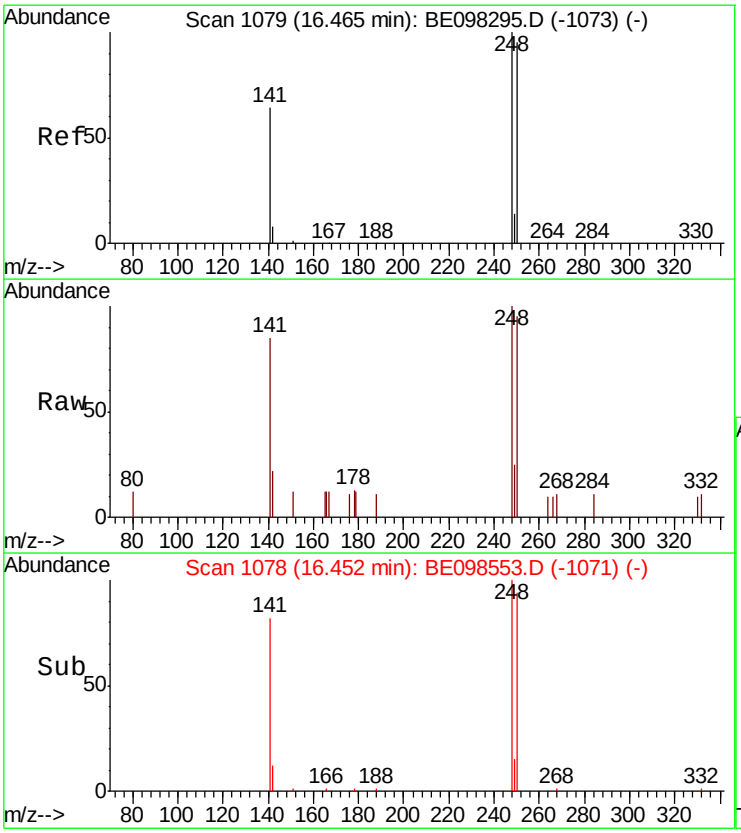
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:188 Resp: 4602

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.2	10.8

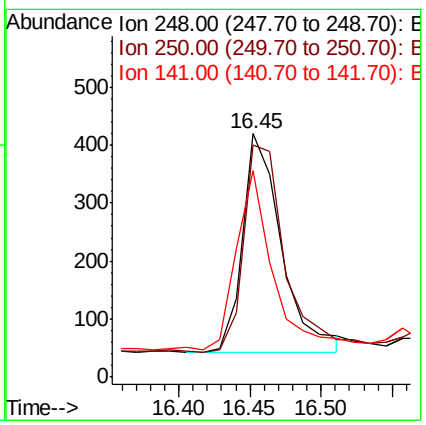


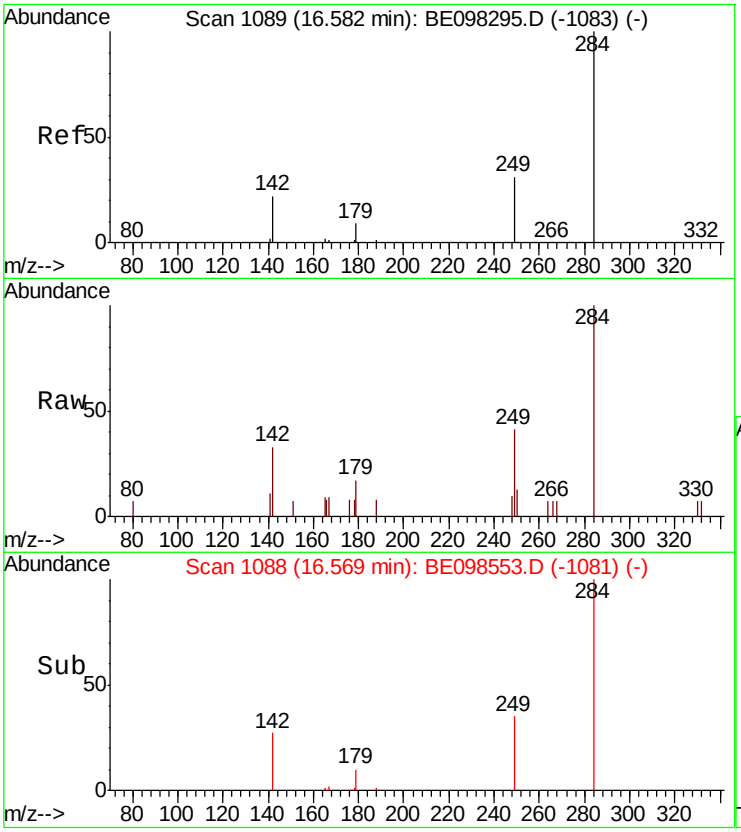


#20
4-Bromophenyl-phenylether
Concen: 0.288 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:248 Resp: 714

Ion	Ratio	Lower	Upper
248	100		
250	95.2	71.0	106.6
141	84.8	62.1	93.1



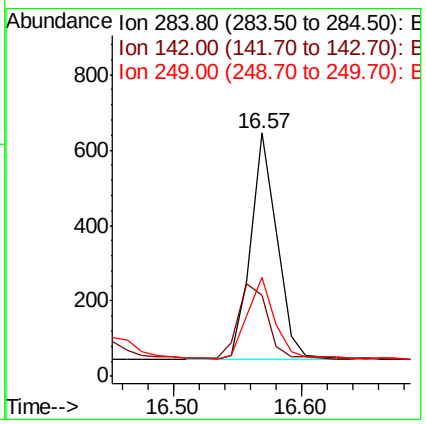


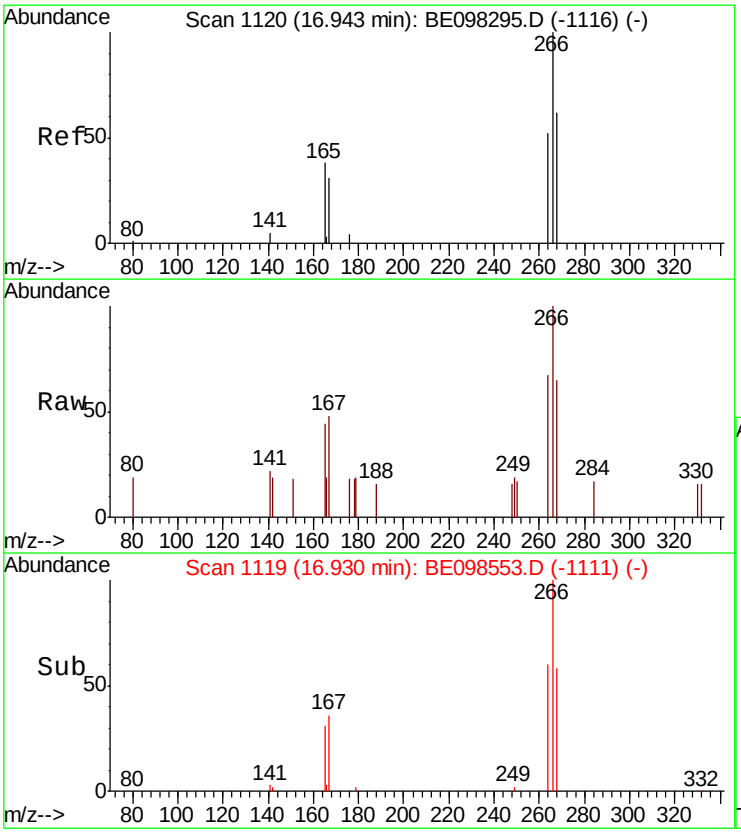
#21
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:284 Resp: 880

Ion	Ratio	Lower	Upper
284	100		
142	36.4	26.3	39.5
249	35.6	26.0	39.0

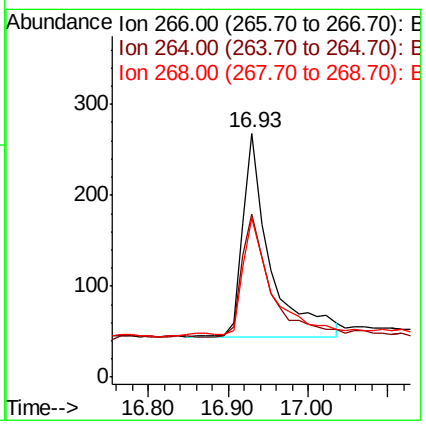


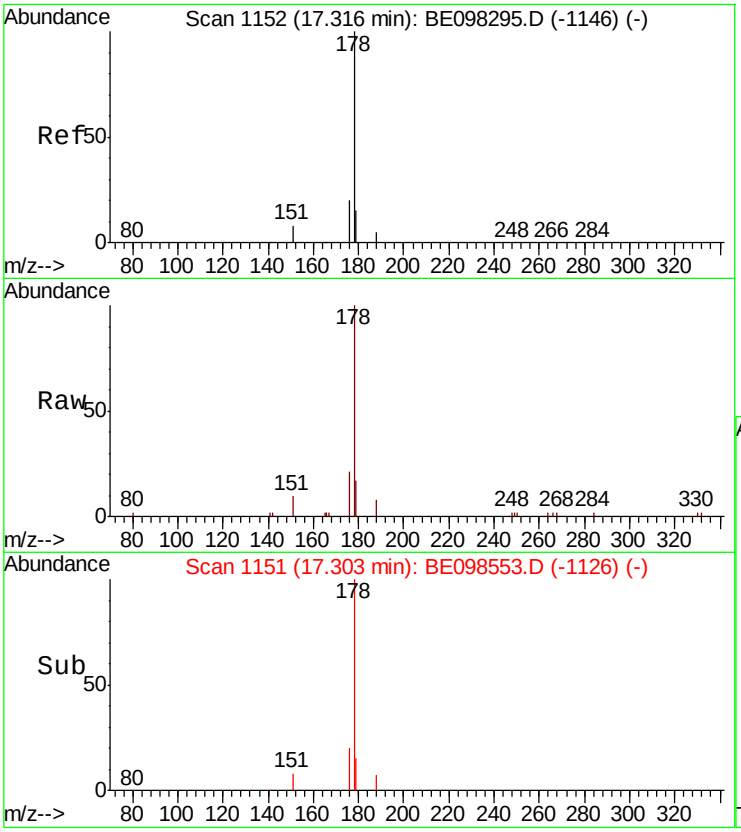


#22
Pentachlorophenol
Concen: 1.024 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:266 Resp: 531

Ion	Ratio	Lower	Upper
266	100		
264	66.8	59.0	88.4
268	65.3	55.1	82.7



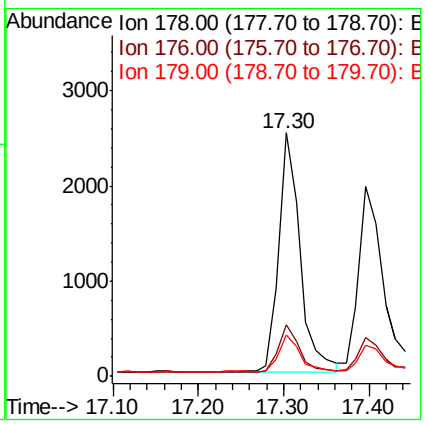


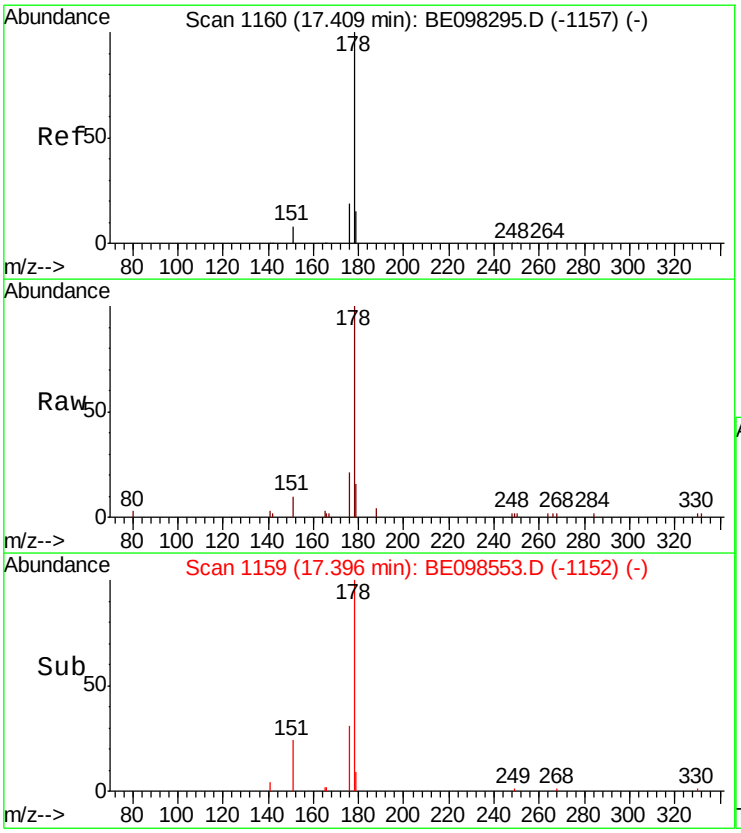
#23
Phenanthrene
Concen: 0.388 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:178 Resp: 4340

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.6	12.3	18.5

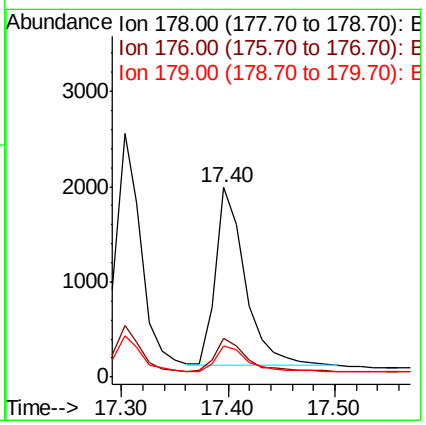


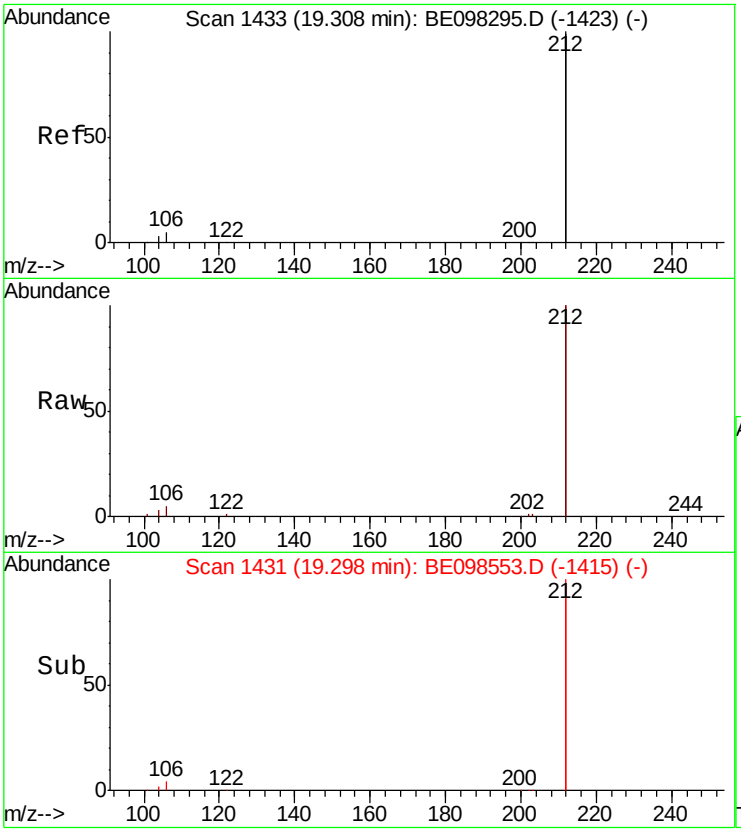


#24
Anthracene
Concen: 0.361 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:178 Resp: 3595

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	14.9	12.3	18.5



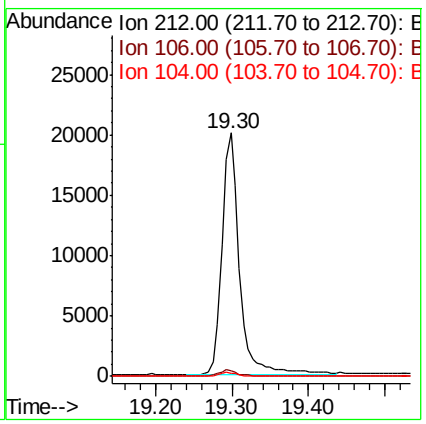


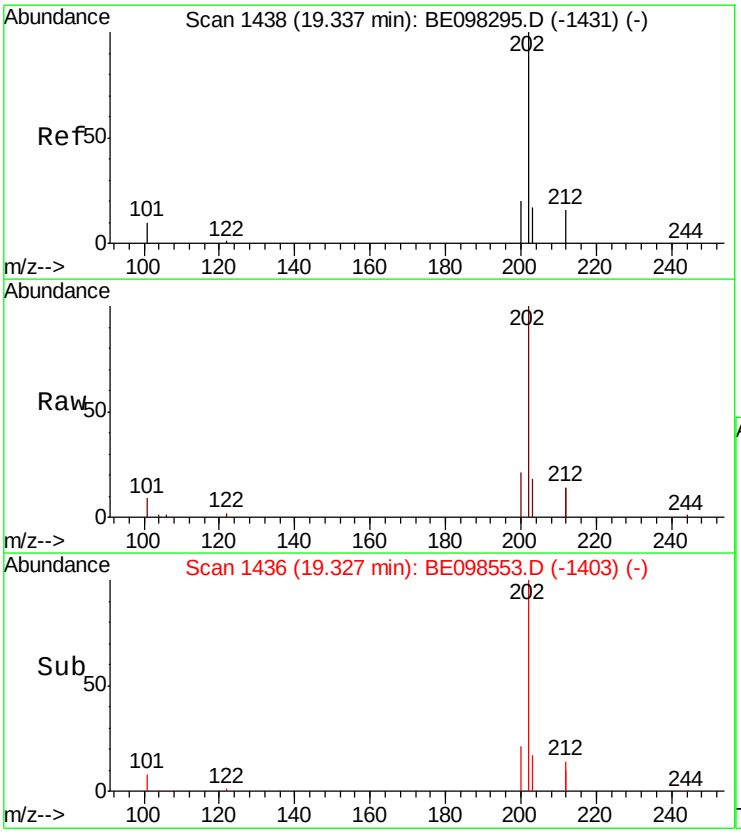
#25
Fluoranthene-d10
Concen: 0.539 ng
RT: 19.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:212 Resp: 31800

Ion	Ratio	Lower	Upper
212	100		
106	2.2	2.2	3.2
104	1.3	1.3	1.9

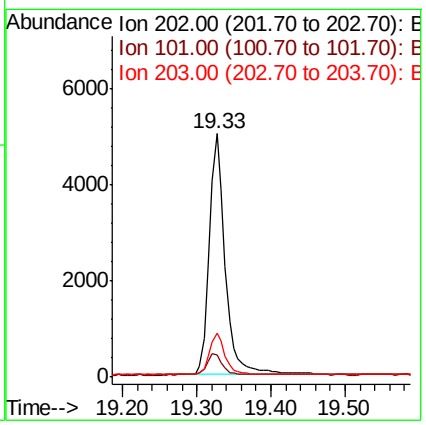


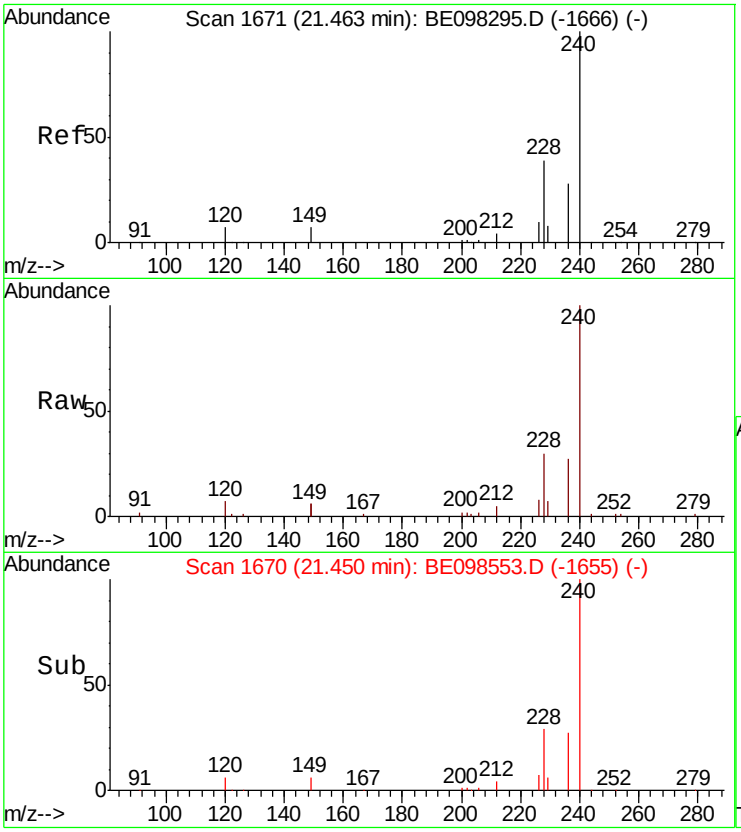


#26
Fluoranthene
Concen: 0.511 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:202 Resp: 7558

Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.0	12.0
203	16.5	13.8	20.6



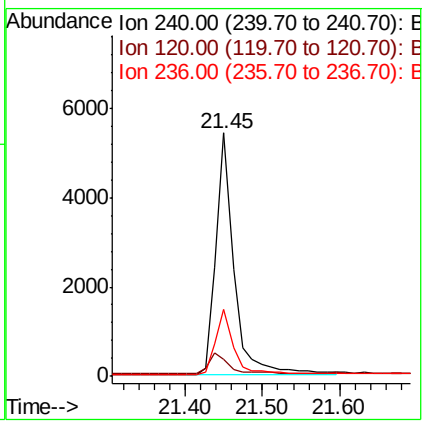


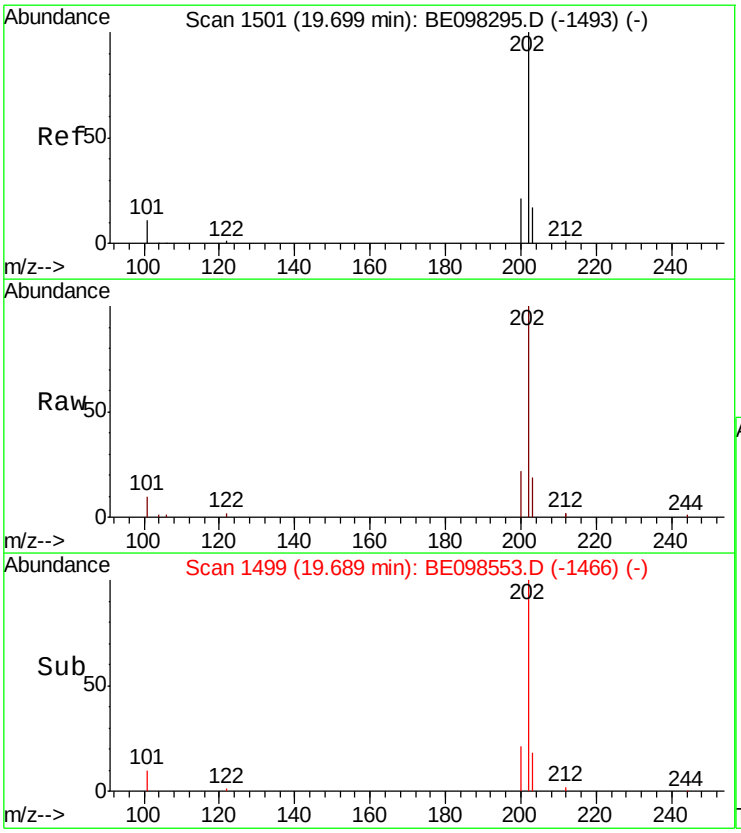
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:240 Resp: 8796

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	27.4	22.7	34.1

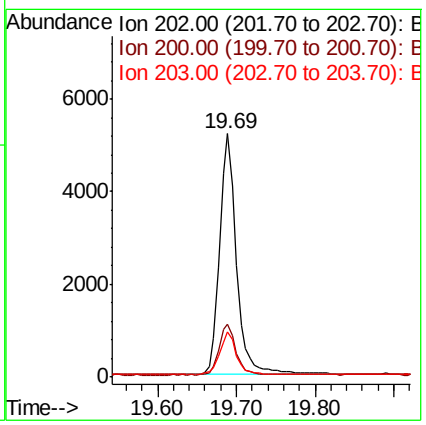


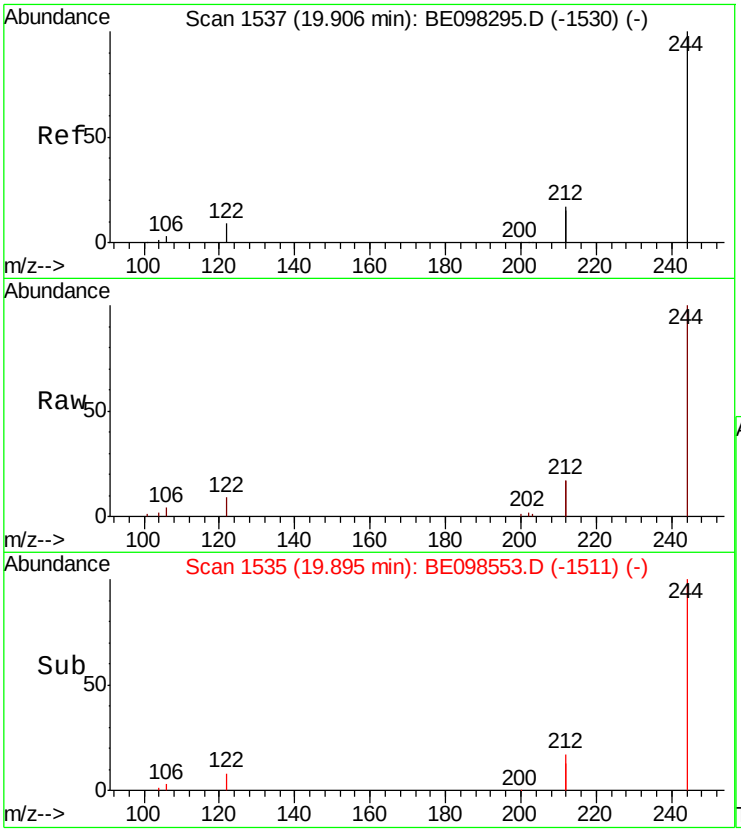


#28
Pyrene
Concen: 0.283 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:202 Resp: 7802

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	14.1	21.1



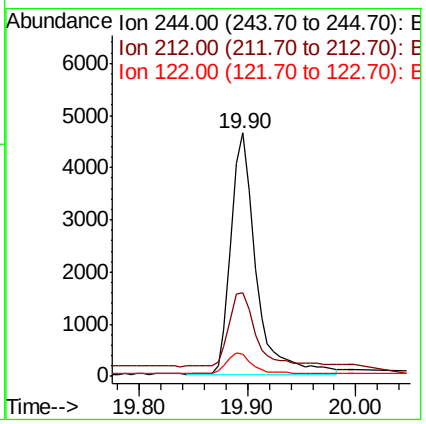


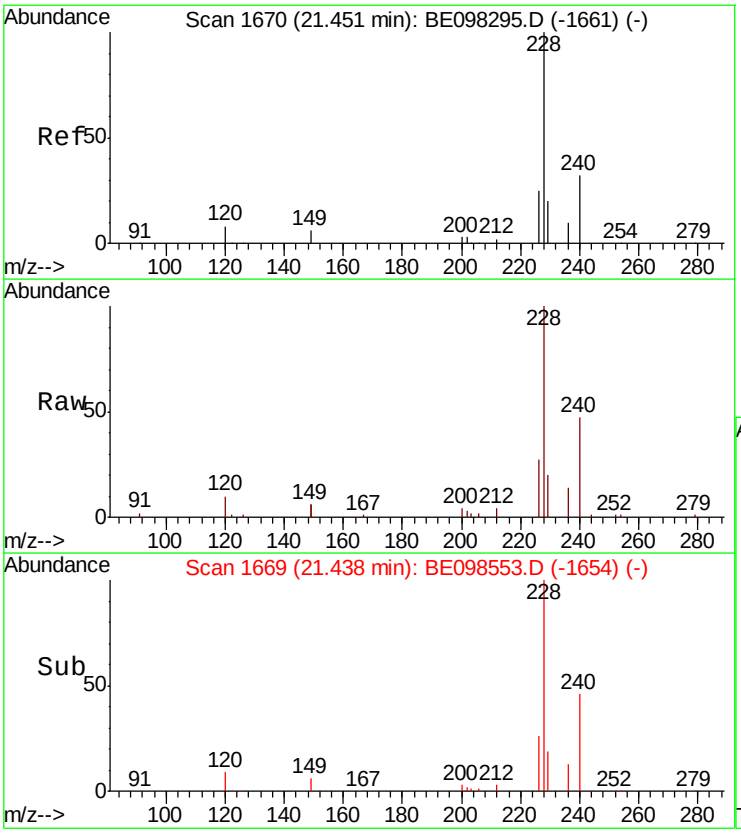
#29
Terphenyl-d14
Concen: 0.345 ng
RT: 19.90 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:244 Resp: 7385

Ion	Ratio	Lower	Upper
244	100		
212	34.5	27.4	41.0
122	9.2	8.3	12.5

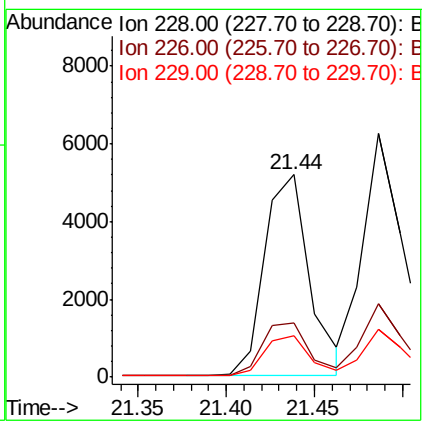


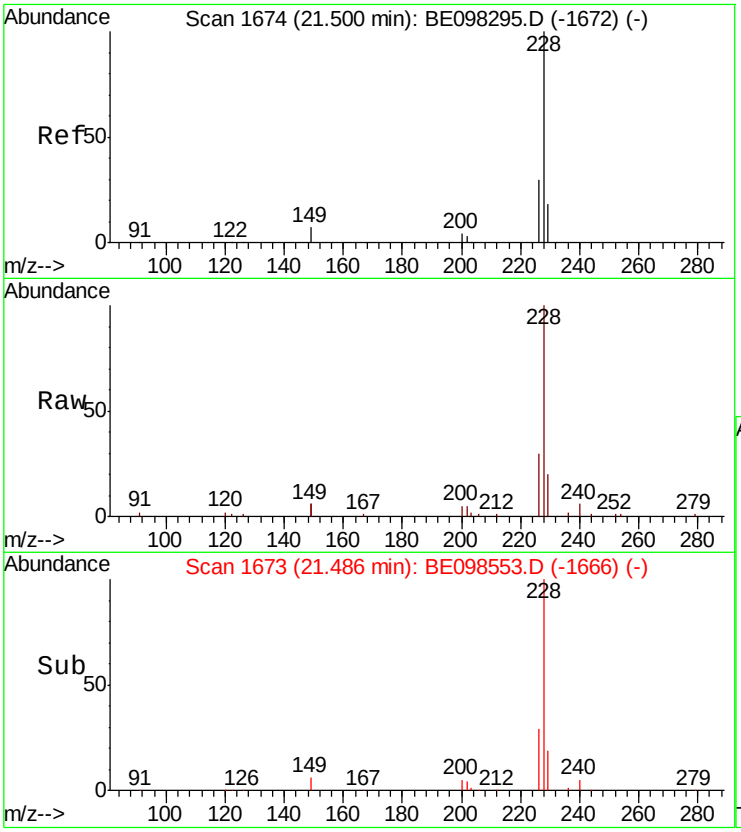


#30
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:228 Resp: 9155

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	20.2	16.3	24.5



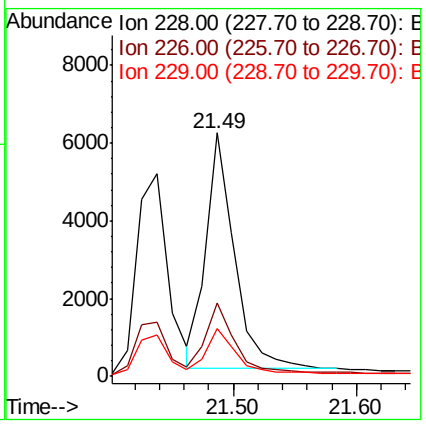


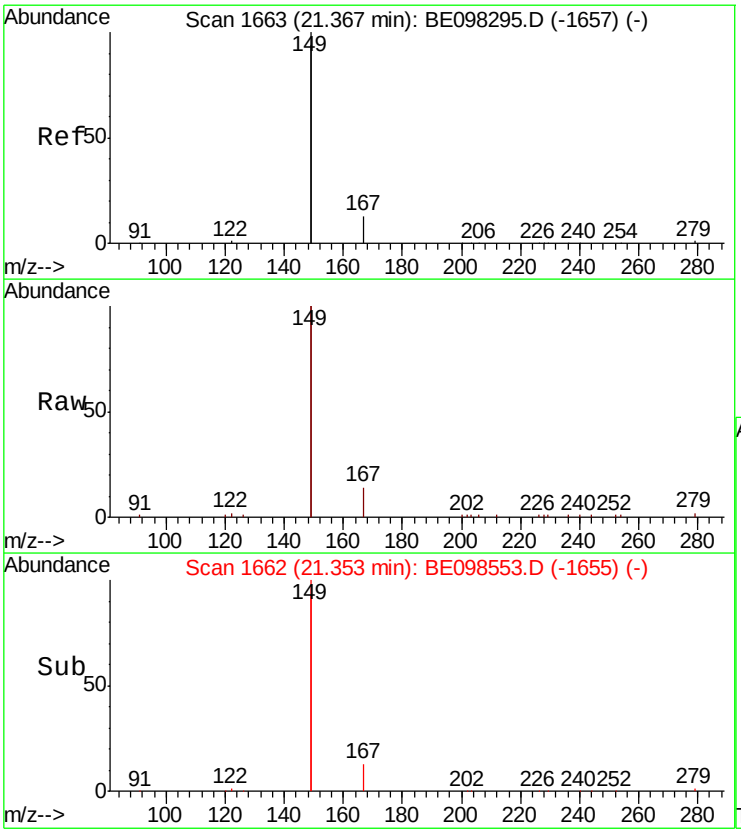
#31
Chrysene
Concen: 0.374 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:228 Resp: 9811

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.0
229	19.9	16.2	24.4

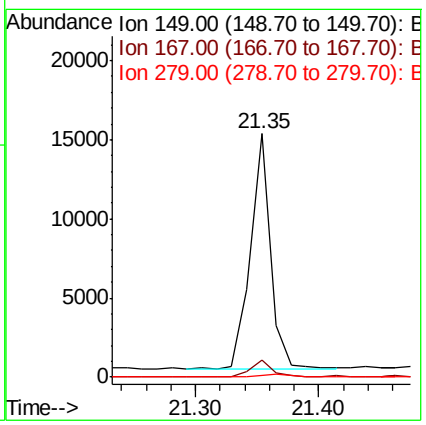


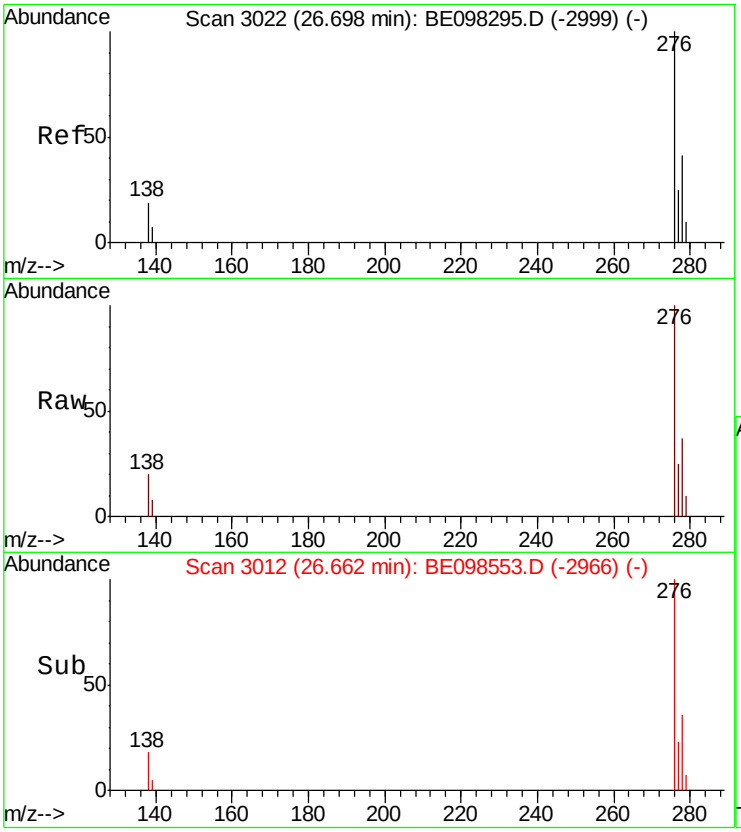


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.332 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:149 Resp: 16890

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.1	1.0	1.4



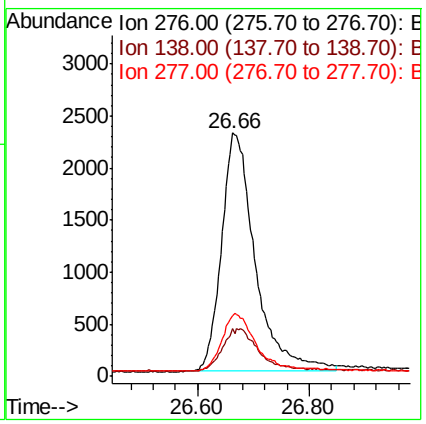


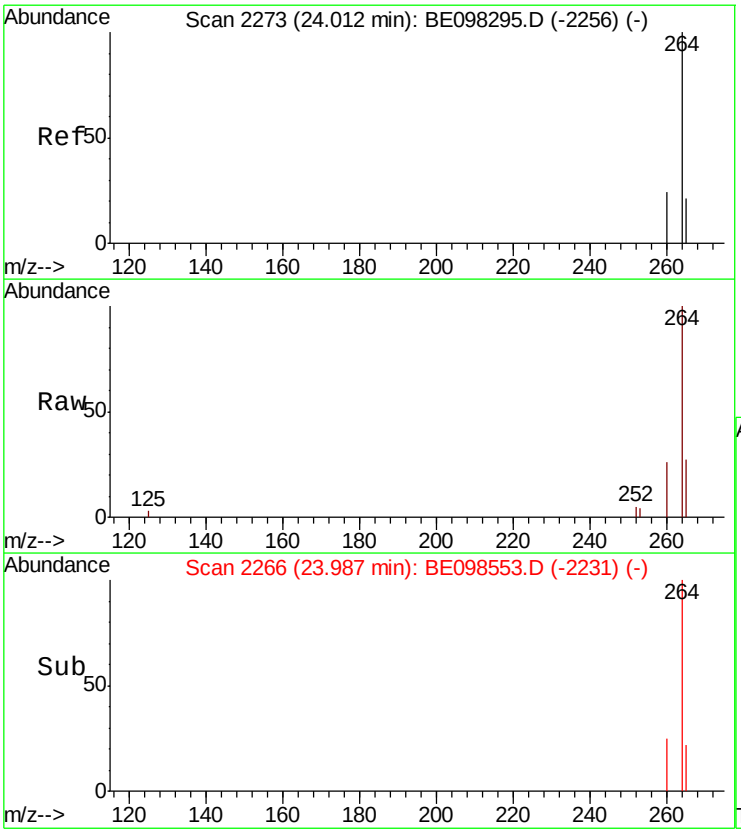
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 26.66 min Scan# 3012
Delta R.T. -0.04 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:276 Resp: 9645

Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.3	24.5
277	24.1	20.2	30.4

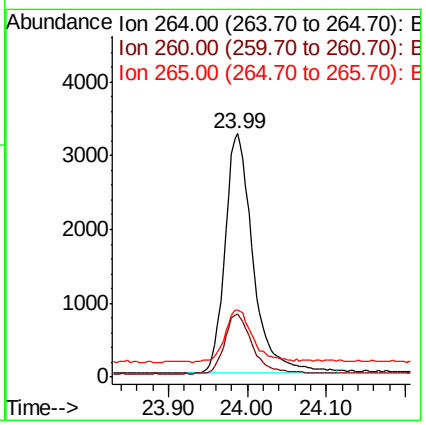


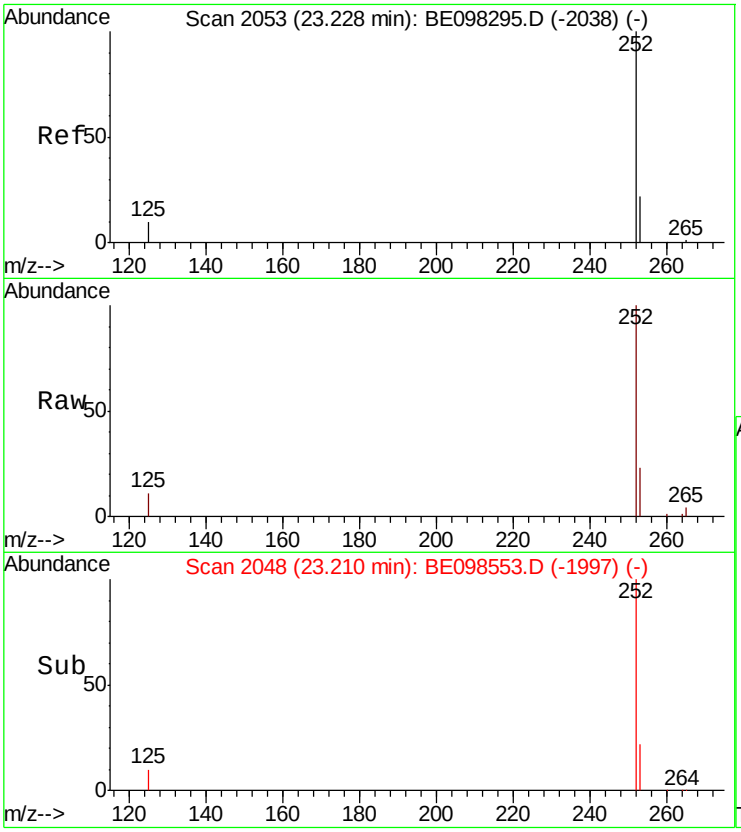


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:264 Resp: 8031

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.2
265	27.3	25.2	37.8



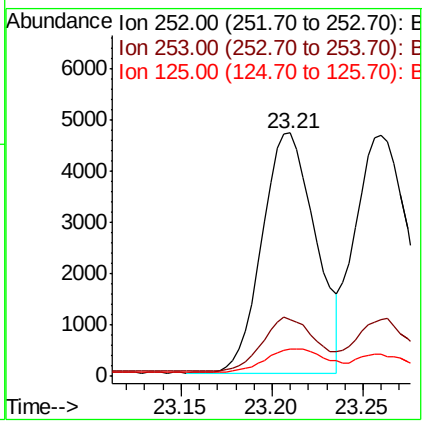


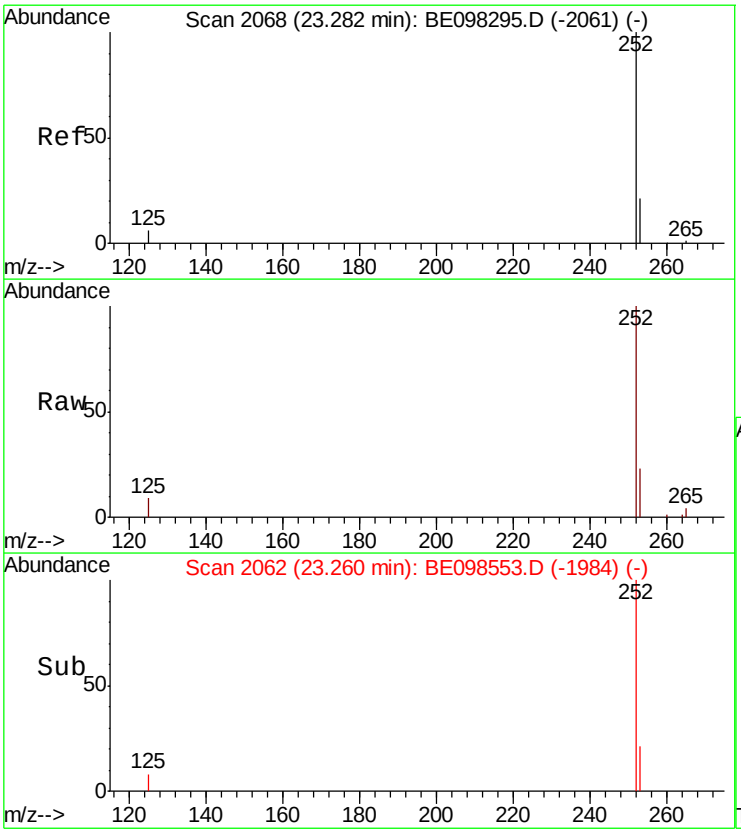
#35
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:252 Resp: 9552

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	11.5	9.6	14.4

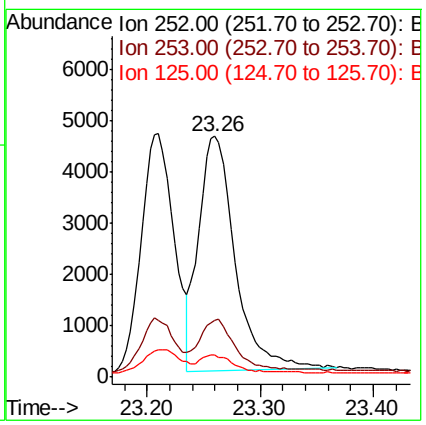


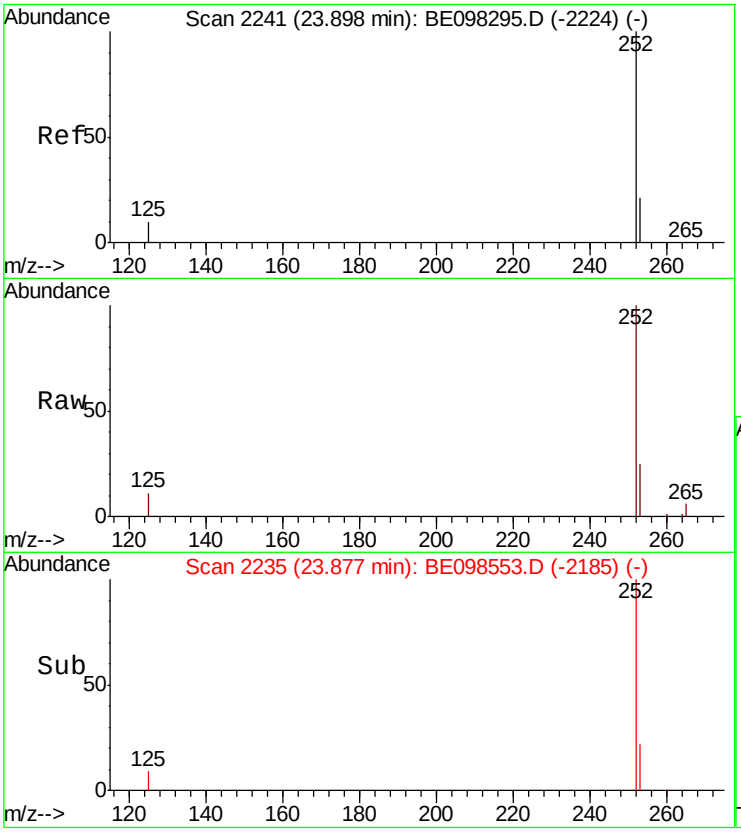


#36
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:252 Resp: 10246

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	9.1	9.1	13.7



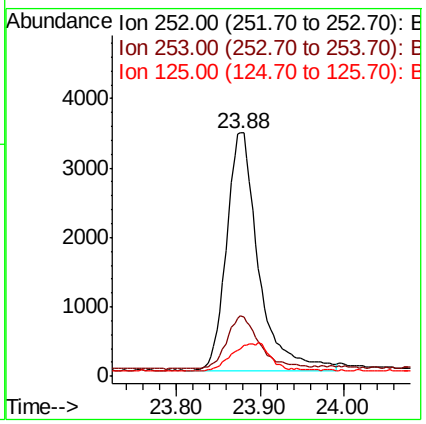


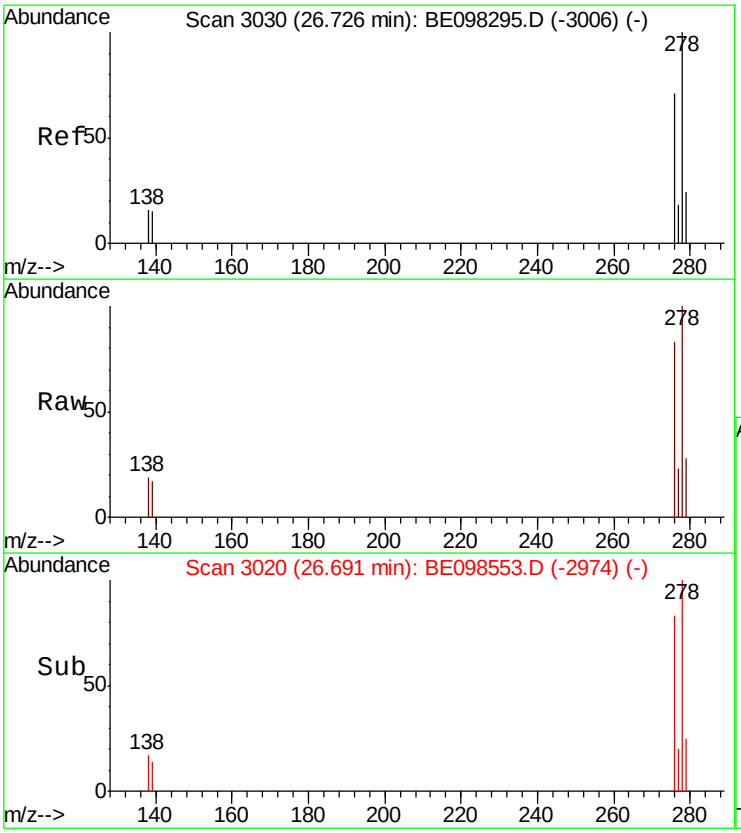
#37
Benzo(a)pyrene
Concen: 0.402 ng
RT: 23.88 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:252 Resp: 9101

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.6	30.8
125	11.2	10.5	15.7

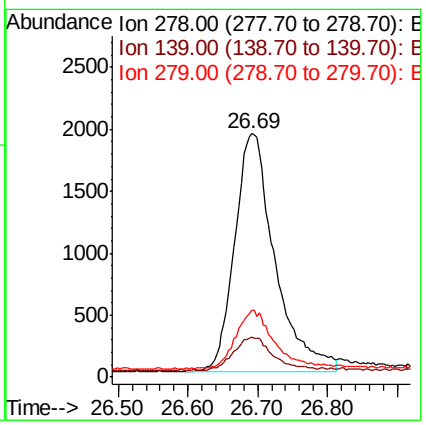


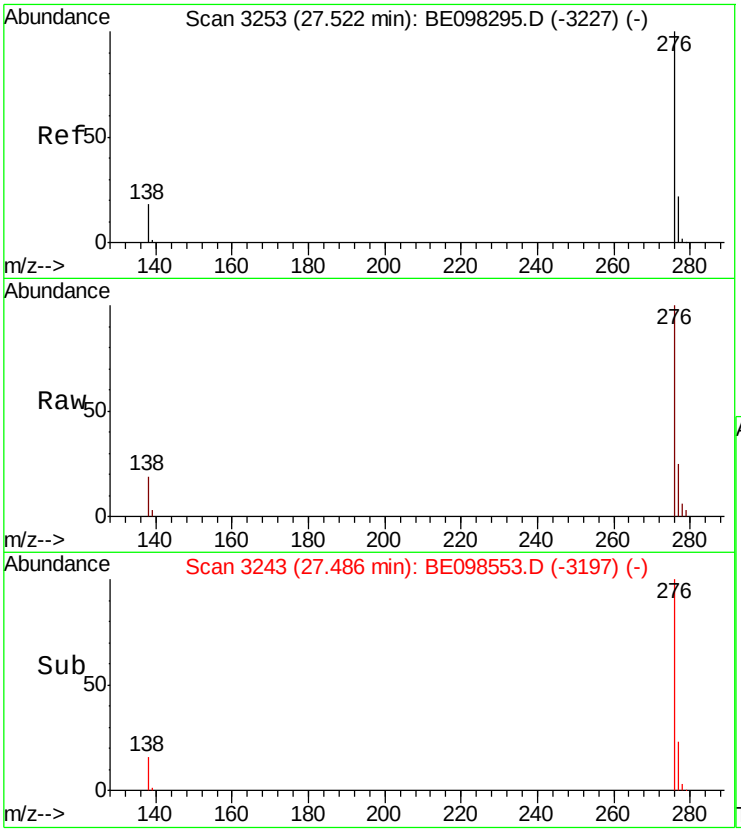


#38
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.69 min Scan# 3020
Delta R.T. -0.04 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion:278 Resp: 7702

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.5	21.7
279	27.7	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 27.49 min Scan# 3243
Delta R.T. -0.04 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tgt Ion:276 Resp: 8214

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.8	31.2
138	18.6	15.8	23.6