Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122018\
Data File : BE098542.D
Acq On : 20 Dec 2018 17:00
Operator : SJ/JU
Sample : PB115810BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB115586BS

Quant Time: Dec 21 05:03:05 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	840	0.40	ng		-0.01
7) Naphthalene-d8	10.64	136	3784	0.40	ng		-0.03
13) Acenaphthene-d10	14.51	164	2684	0.40	ng		-0.01
19) Phenanthrene-d10	17.26	188	7390	0.40	ng		-0.03
27) Chrysene-d12	21.45	240	7960	0.40	ng		-0.01
34) Perylene-d12	23.99	264	7127	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.44	112	842	0.43	ng		0.00
5) Phenol-d6	7.03	99	1166	0.42	ng		-0.01
8) Nitrobenzene-d5	9.02	82	1276	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	2658	0.43	ng		-0.01
14) 2,4,6-Tribromophenol	16.01	330	486	0.49	ng		-0.01
15) 2-Fluorobiphenyl	13.13	172	4392	0.39	ng		-0.01
25) Fluoranthene-d10	19.29	212	40221	0.42	ng		-0.02
29) Terphenyl-d14	19.89	244	8008	0.41	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	619	0.426	ng		98
3) n-Nitrosodimethylamine	3.69	42	390	0.298	ng	#	100
6) bis(2-Chloroethyl)ether	7.27	93	913	0.345	ng		95
9) Naphthalene	10.69	128	16237	0.426	ng		99
10) Hexachlorobutadiene	10.98	225	1084	0.447	ng		98
12) 2-Methylnaphthalene	12.33	142	2618	0.423	ng		97
16) Acenaphthylene	14.23	152	4738	0.377	ng		99
17) Acenaphthene	14.57	154	3128	0.414	ng		98
18) Fluorene	15.55	166	4293	0.425	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1592	0.400	ng		92
21) Hexachlorobenzene	16.57	284	1891	0.442	ng		96
22) Pentachlorophenol	16.93	266	468	0.629	ng		94
23) Phenanthrene	17.30	178	7442	0.414	ng		100
24) Anthracene	17.40	178	5939	0.371	ng		99
26) Fluoranthene	19.32	202	9927	0.418	ng		99
28) Pyrene	19.68	202	10357	0.415	ng		99
30) Benzo(a)anthracene	21.43	228	9154	0.404	ng		98
31) Chrysene	21.49	228	9199	0.387	ng		98
32) Bis(2-ethylhexyl)phthalate	21.35	149	15188	0.330	ng		99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9303	0.394	ng		98
35) Benzo(b)fluoranthene	23.21	252	7850	0.403	ng		99
36) Benzo(k)fluoranthene	23.25	252	9104	0.401	ng		98
37) Benzo(a)pyrene	23.87	252	7840	0.390	ng		97
38) Dibenzo(a,h)anthracene	26.68	278	7690	0.406	ng		99
39) Benzo(g,h,i)perylene	27.48	276	8021	0.420	ng		98

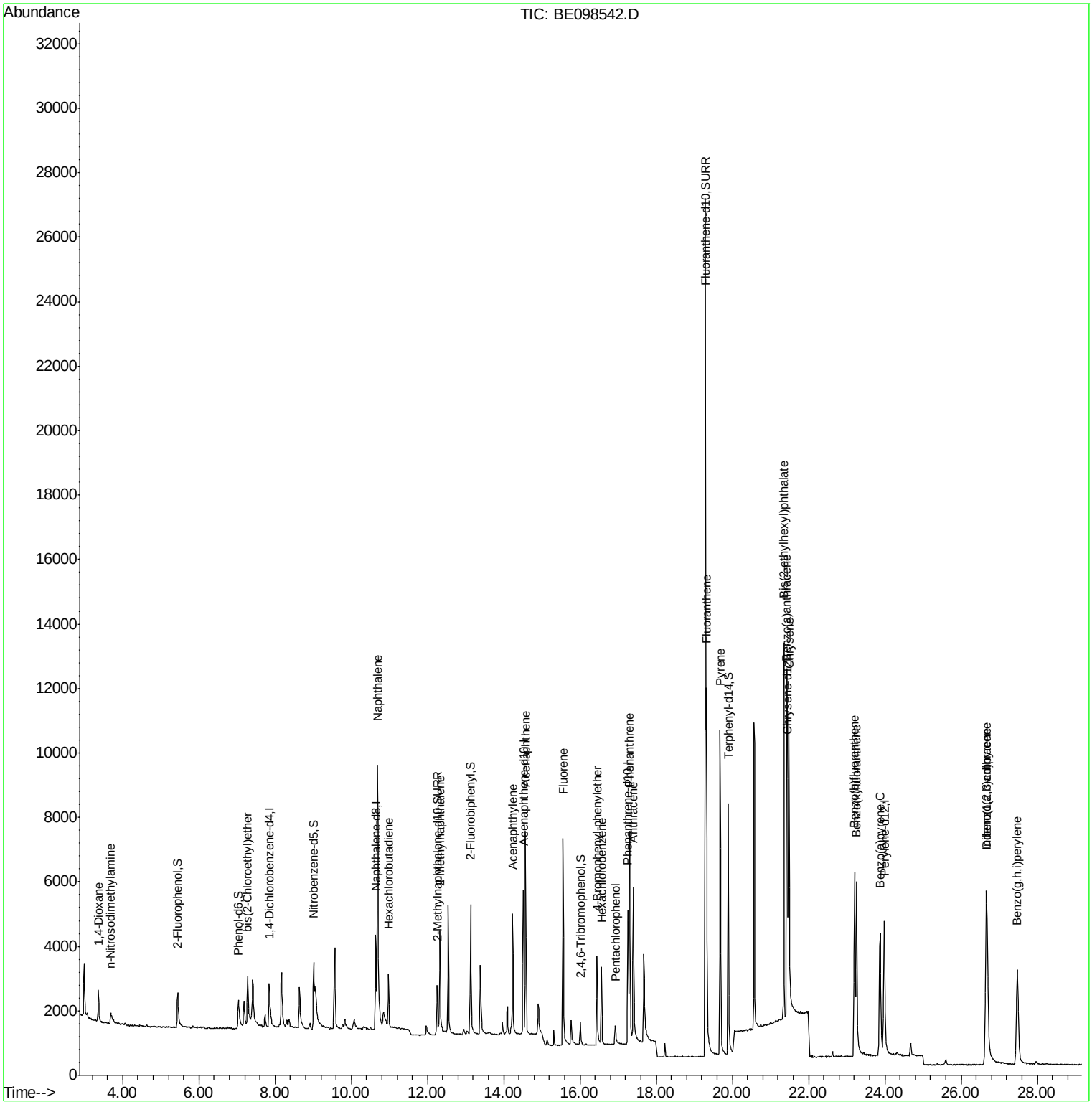
(#) = qualifier out of range (m) = manual integration (+) = signals summed

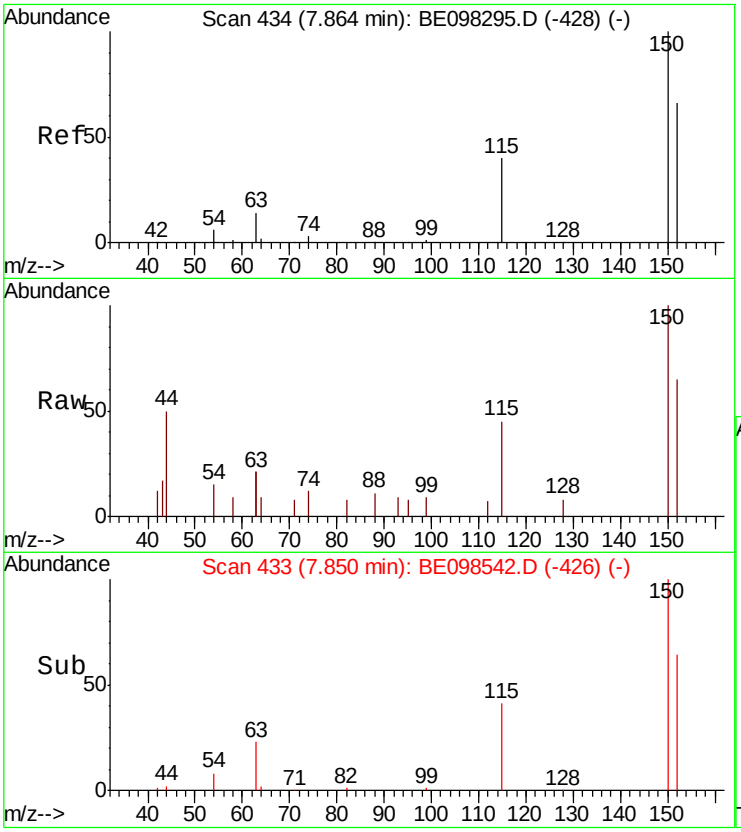
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122018\
Data File : BE098542.D
Acq On : 20 Dec 2018 17:00
Operator : SJ/JU
Sample : PB115810BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Quant Time: Dec 21 05:03:05 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



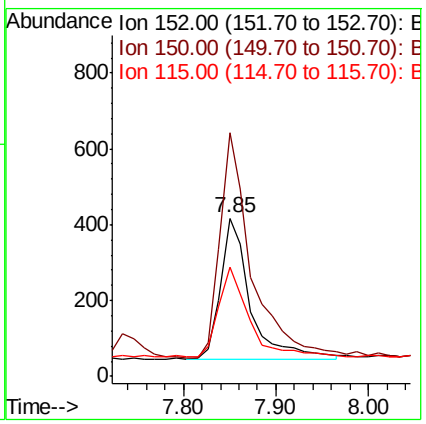


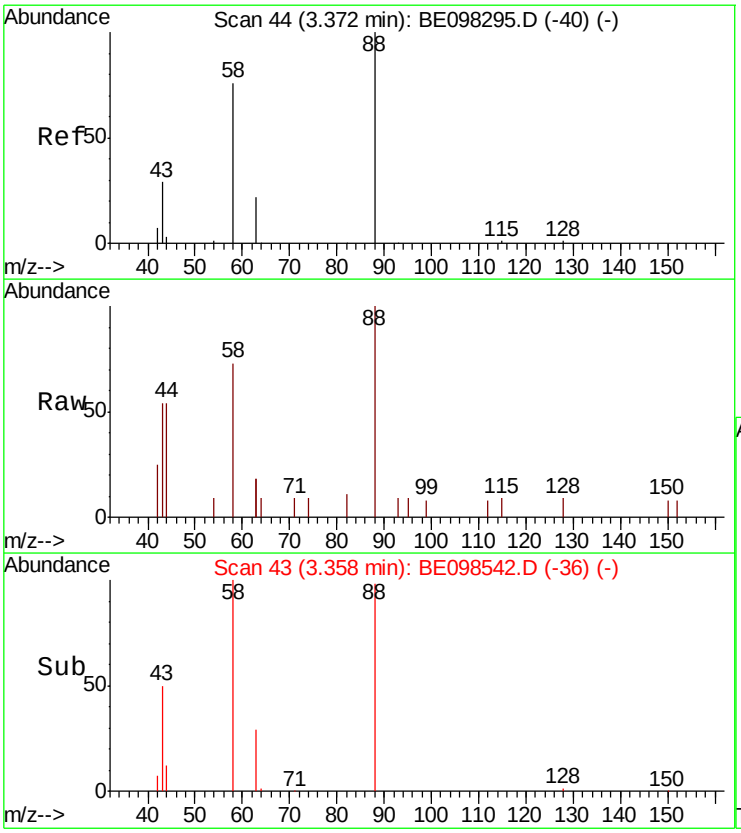
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:152 Resp: 840

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.2	186.4
115	69.1	53.9	80.9

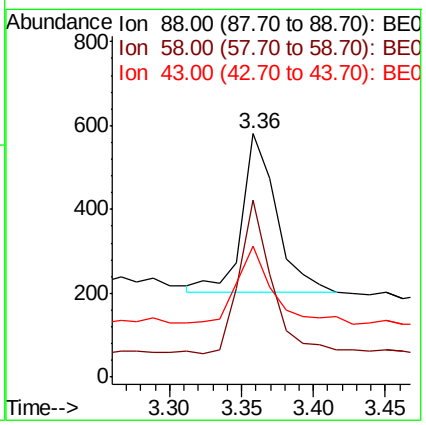


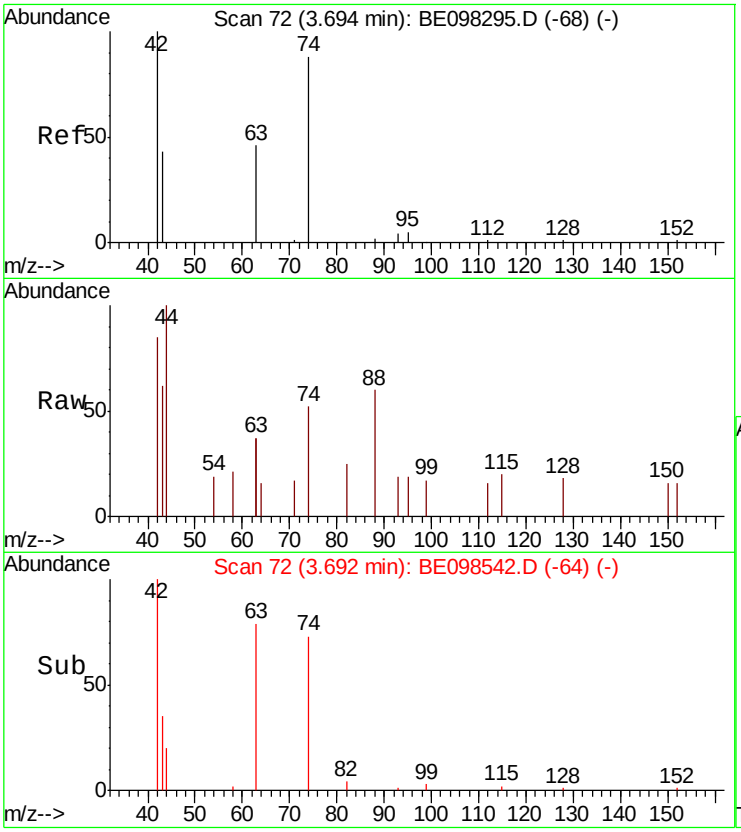


#2
1,4-Dioxane
Concen: 0.426 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion: 88 Resp: 619

Ion	Ratio	Lower	Upper
88	100		
58	90.8	75.0	112.6
43	48.3	38.3	57.5



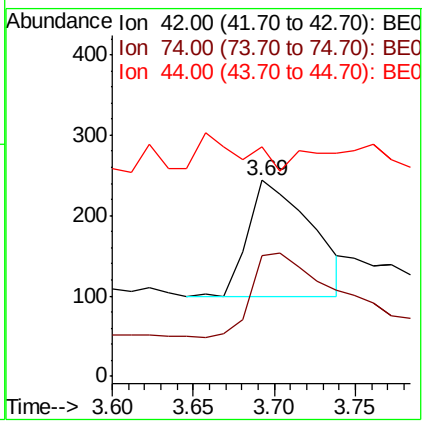


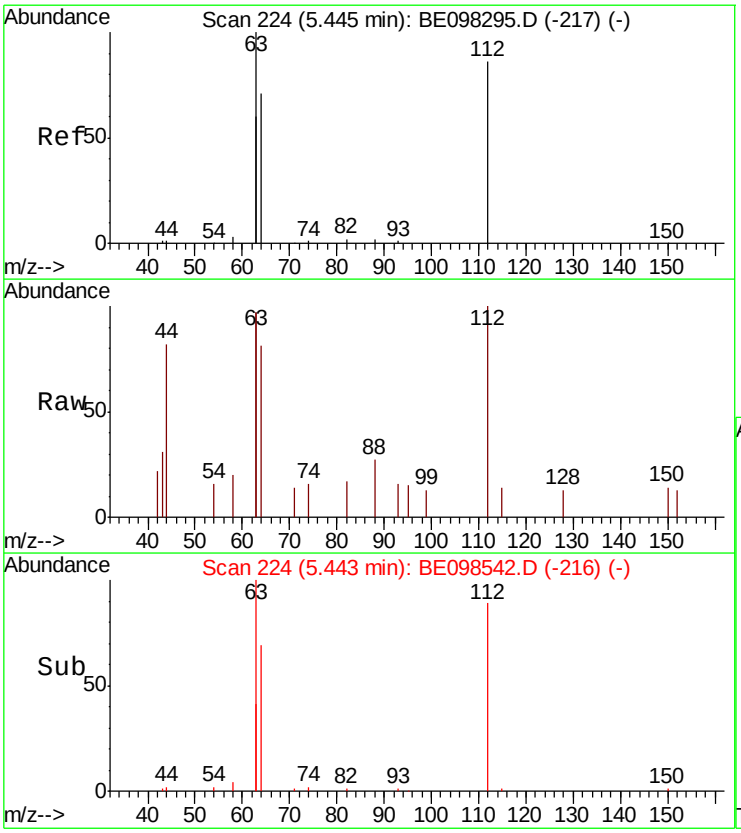
#3
n-Nitrosodimethylamine
Concen: 0.298 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion: 42 Resp: 390

Ion	Ratio	Lower	Upper
42	100		
74	80.5	0.0	0.0#
44	0.0	0.0	0.0

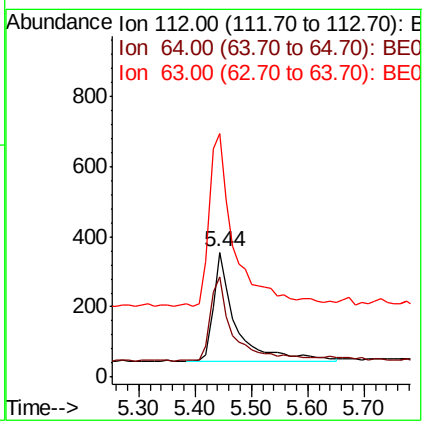


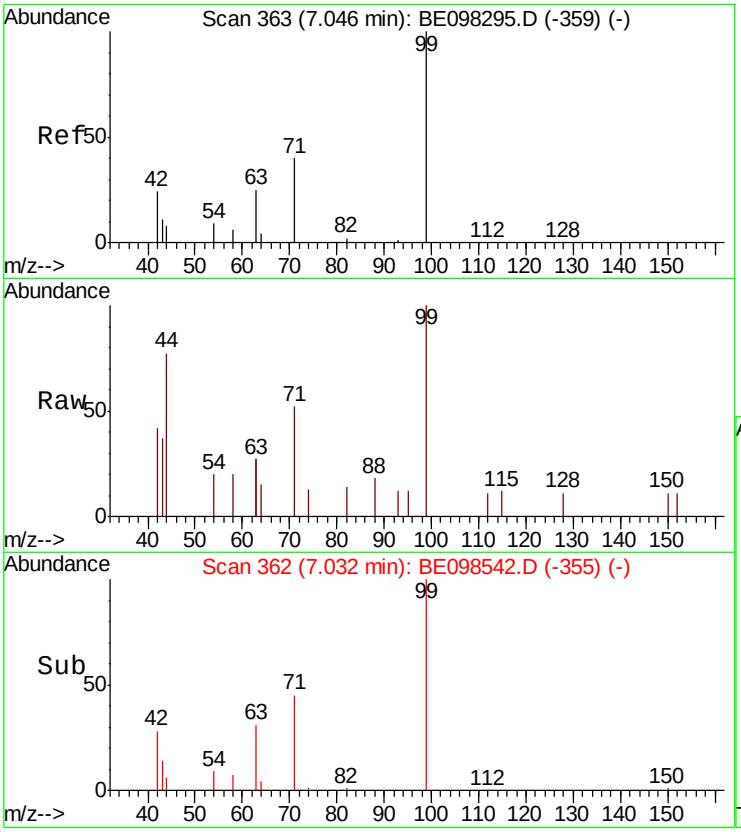


#4
2-Fluorophenol
Concen: 0.428 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:112 Resp: 842

Ion	Ratio	Lower	Upper
112	100		
64	81.9	59.8	89.8
63	173.2	133.7	200.5



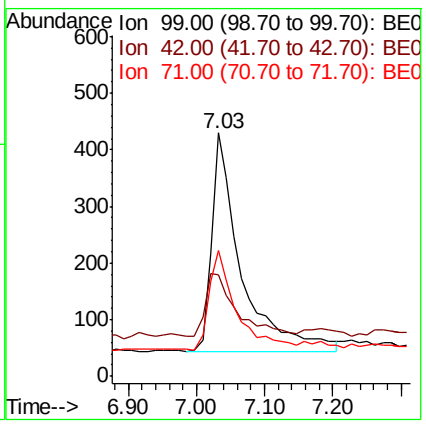


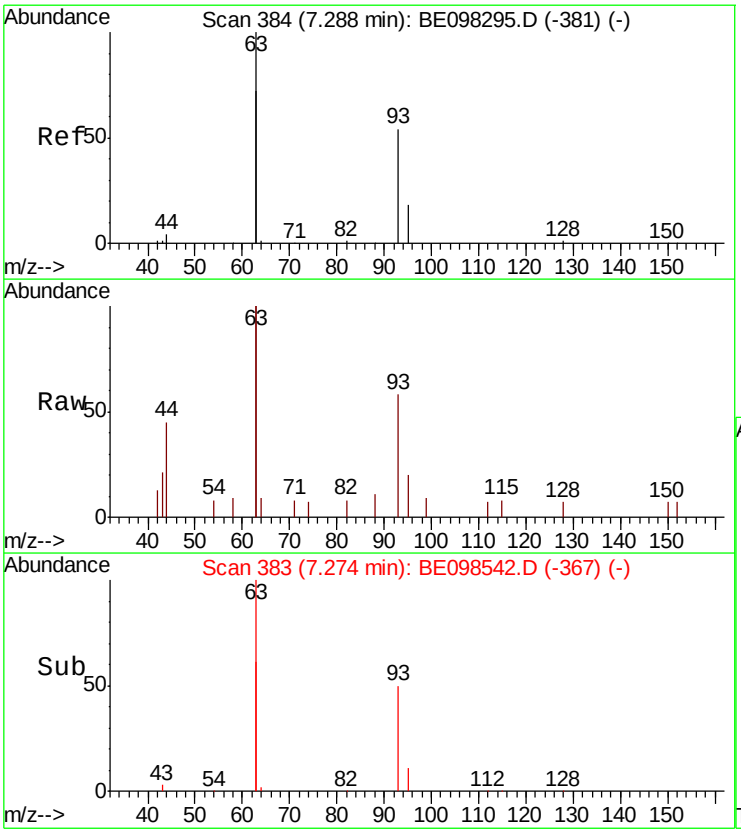
#5
Phenol-d6
Concen: 0.419 ng
RT: 7.03 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion: 99 Resp: 1166

Ion	Ratio	Lower	Upper
99	100		
42	31.1	26.3	39.5
71	41.9	33.6	50.4

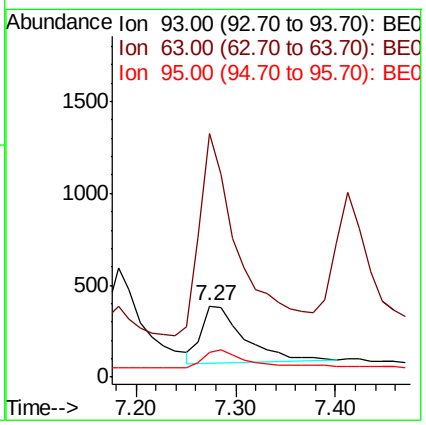


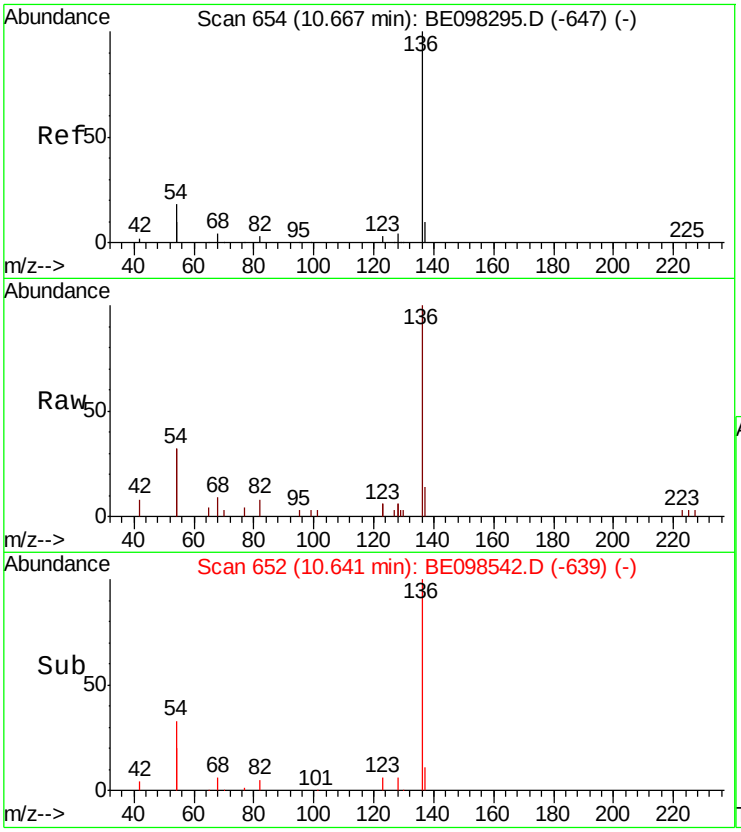


#6
bis(2-Chloroethyl)ether
Concen: 0.345 ng
RT: 7.27 min Scan# 383
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion: 93 Resp: 913

Ion	Ratio	Lower	Upper
93	100		
63	341.0	264.4	396.6
95	35.2	26.6	40.0



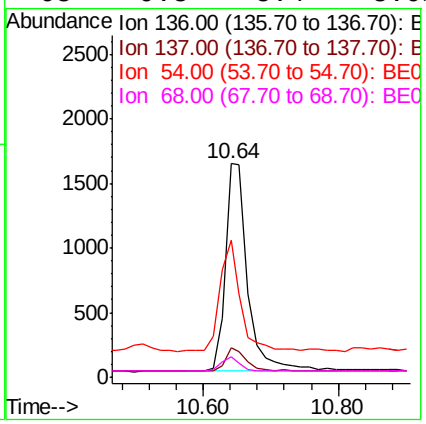


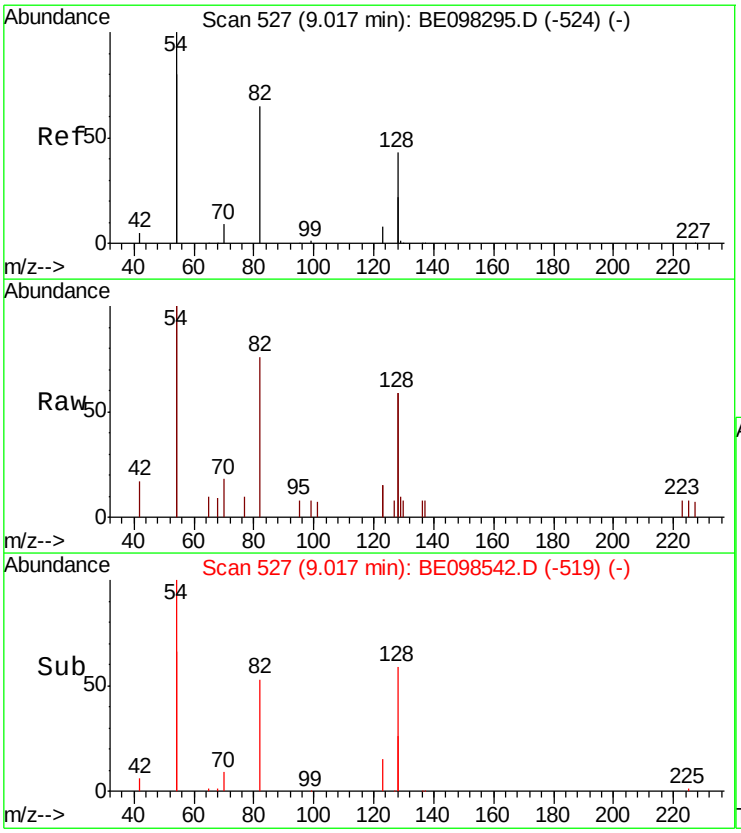
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.03 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:136 Resp: 3784

Ion	Ratio	Lower	Upper
136	100		
137	13.8	9.2	13.8
54	63.8	28.4	42.6#
68	9.3	5.4	8.0#

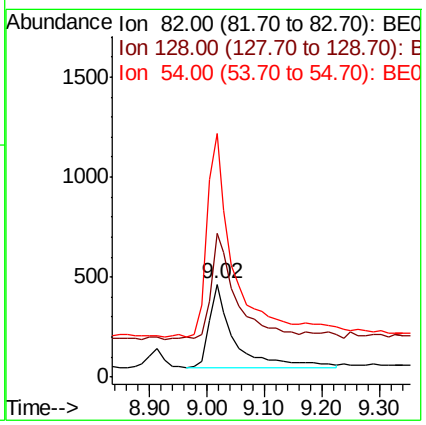


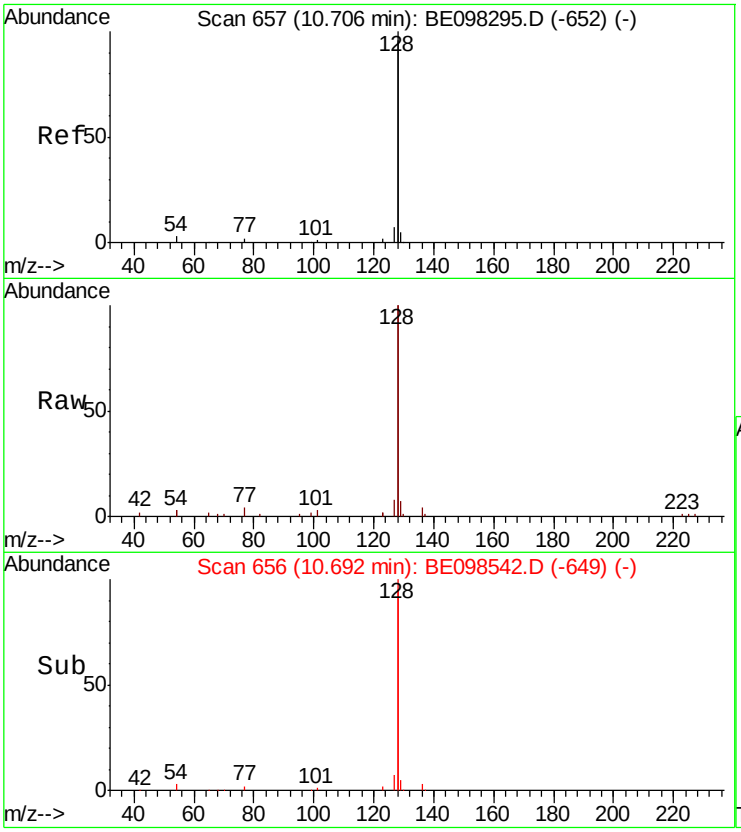


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion: 82 Resp: 1276

Ion	Ratio	Lower	Upper
82	100		
128	154.3	102.4	153.6#
54	262.5	221.8	332.8



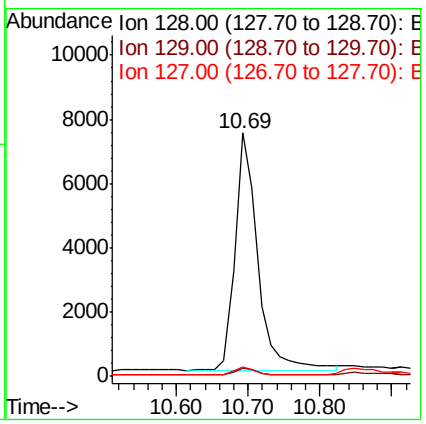


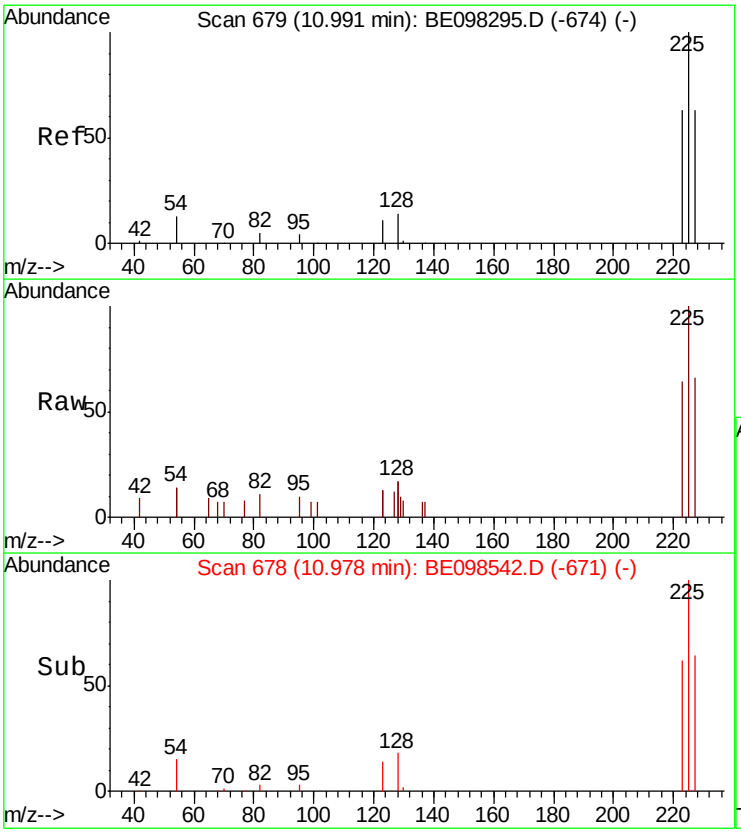
#9
Naphthalene
Concen: 0.426 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:128 Resp: 16237

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	4.0	2.7	4.1

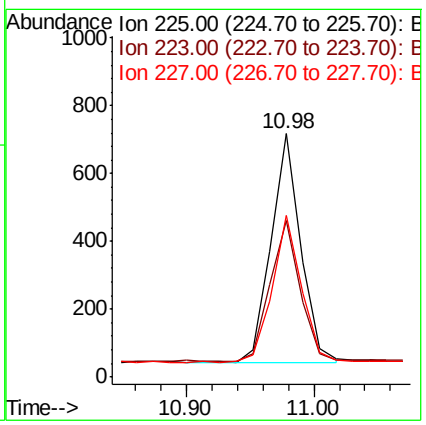


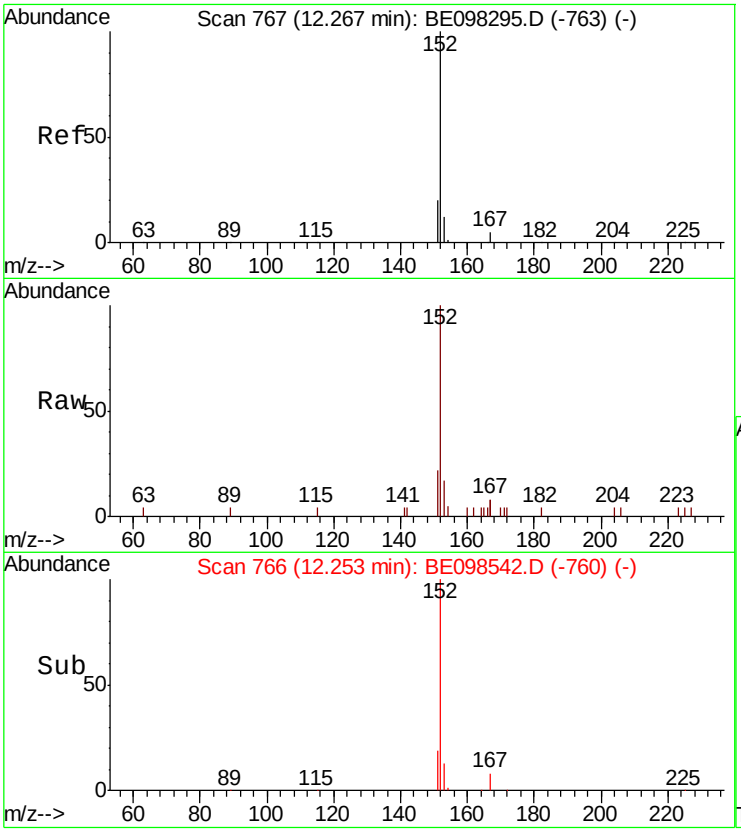


#10
Hexachlorobutadiene
Concen: 0.447 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:225 Resp: 1084

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.0
227	62.9	52.0	78.0



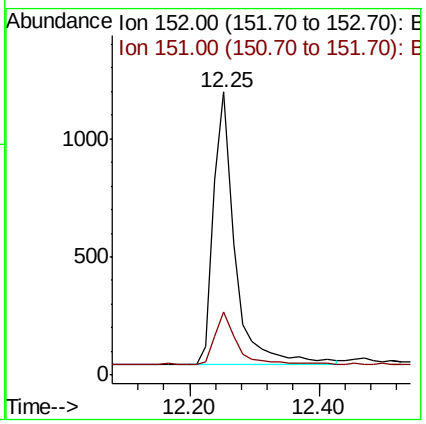


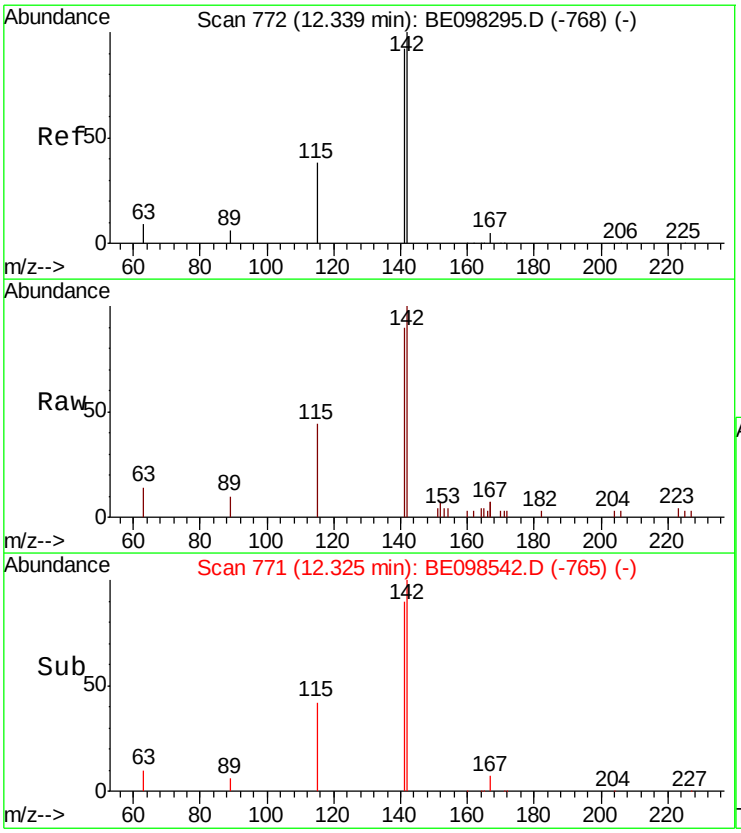
#11
2-Methylnaphthalene-d10
Concen: 0.432 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:152 Resp: 2658

Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.2	24.4

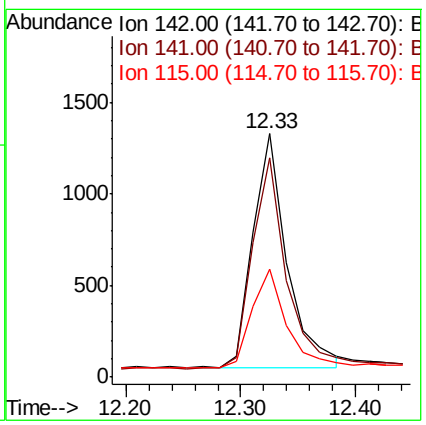


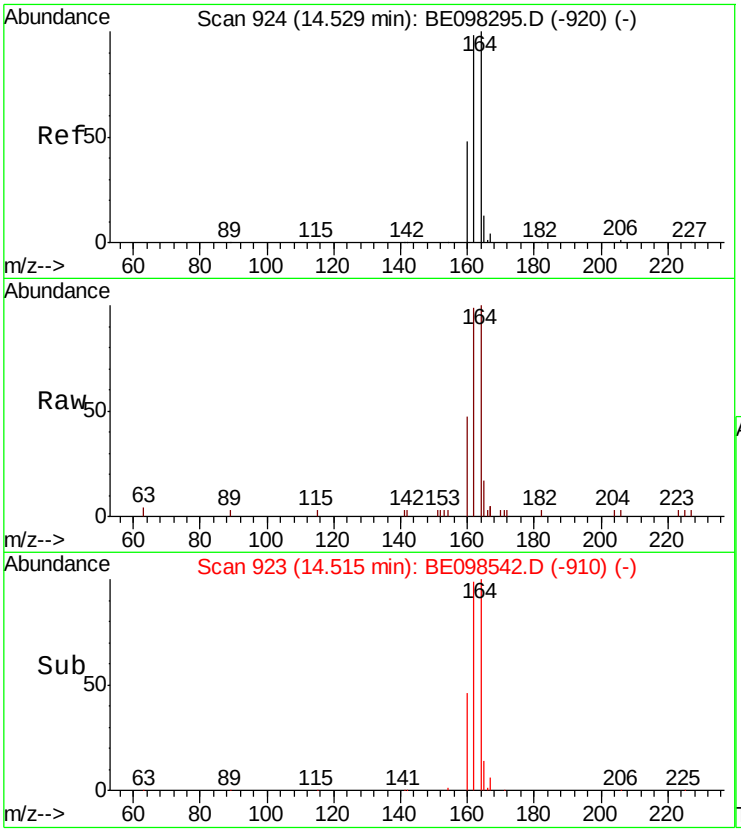


#12
2-Methylnaphthalene
Concen: 0.423 ng
RT: 12.33 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:142 Resp: 2618

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.6
115	44.2	32.2	48.2



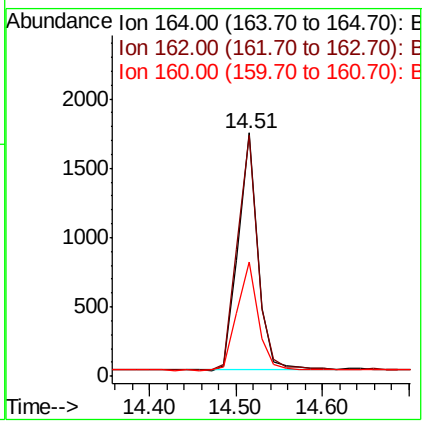


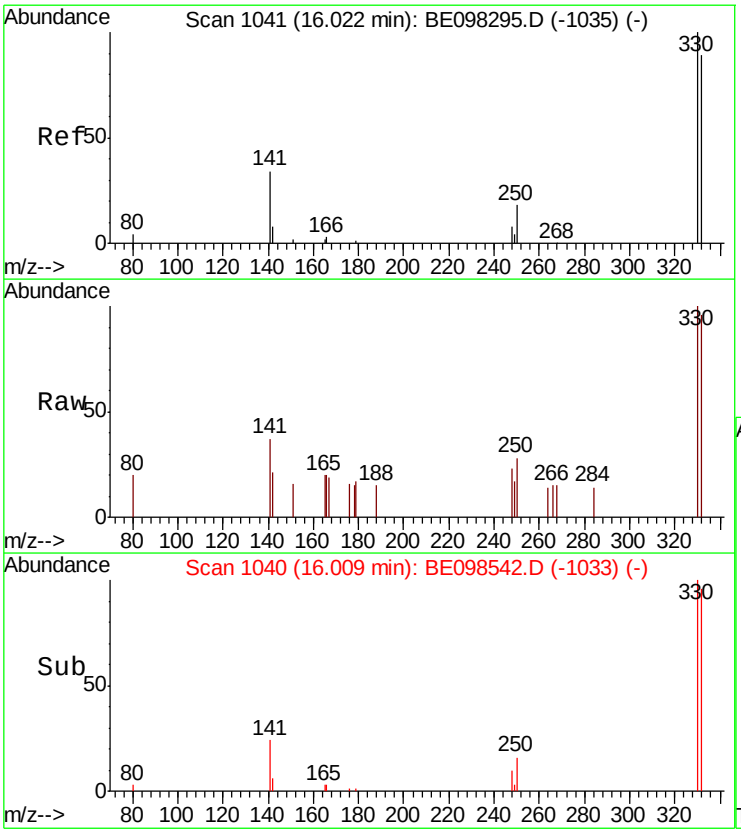
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:164 Resp: 2684

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.6	116.4
160	47.1	36.0	54.0

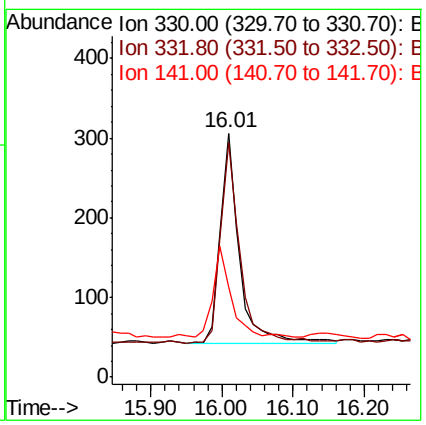


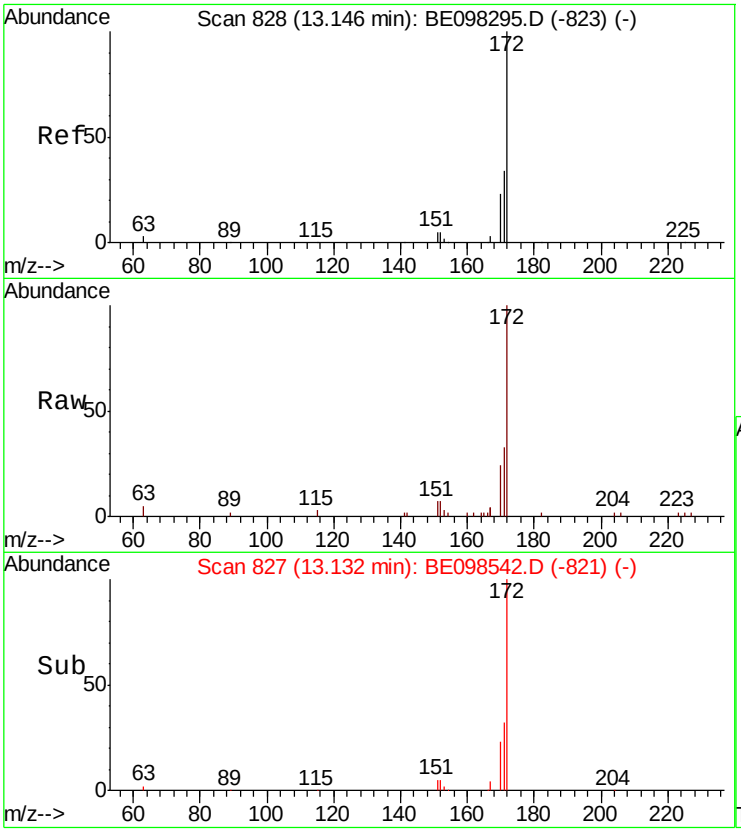


#14
2,4,6-Tribromophenol
Concen: 0.493 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:330 Resp: 486

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.2	114.4
141	44.7	39.0	58.4



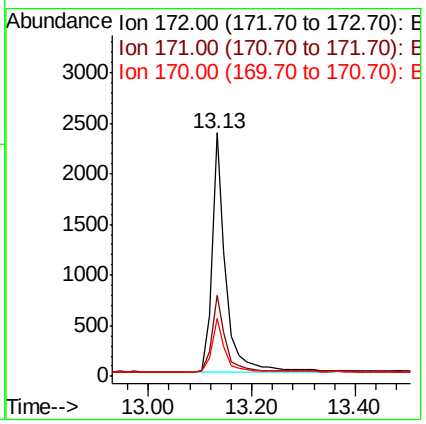


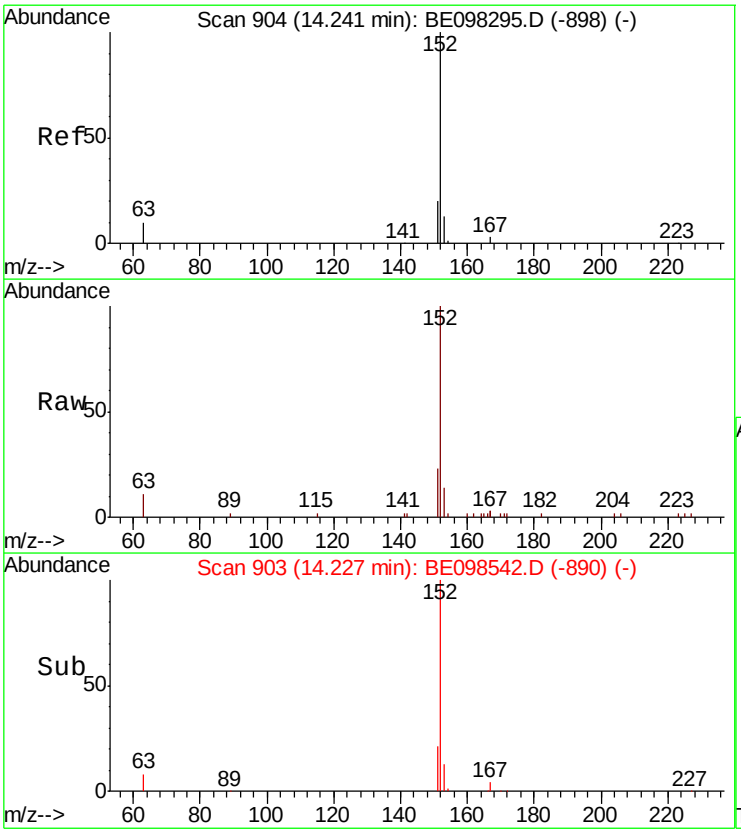
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:172 Resp: 4392

Ion	Ratio	Lower	Upper
172	100		
171	33.4	27.5	41.3
170	24.0	19.6	29.4

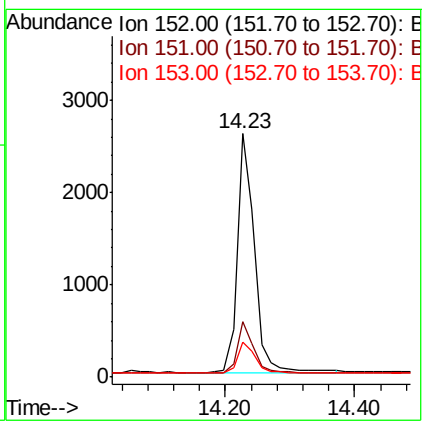


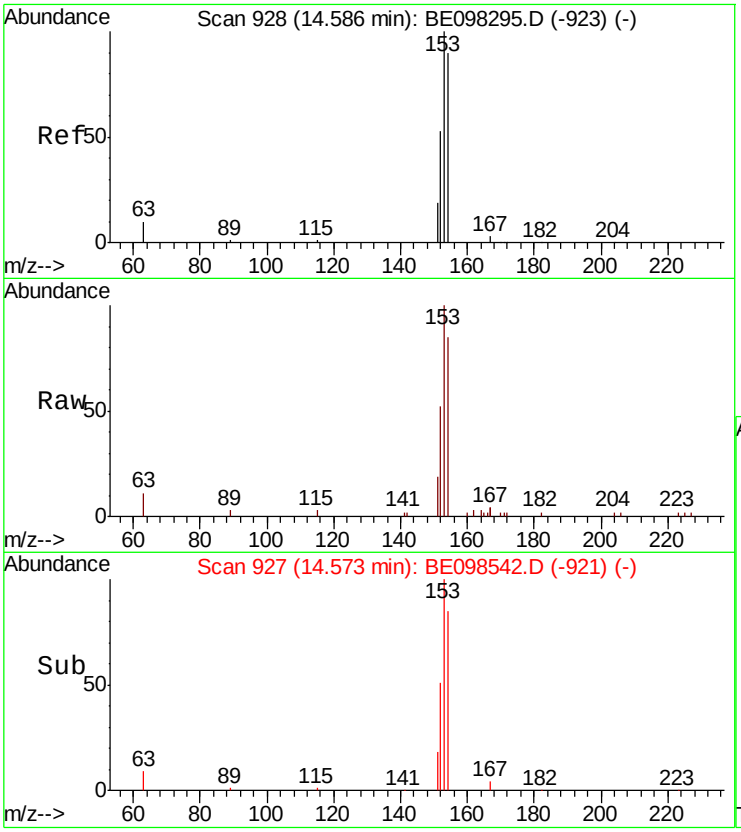


#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:152 Resp: 4738

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.6	10.6	16.0



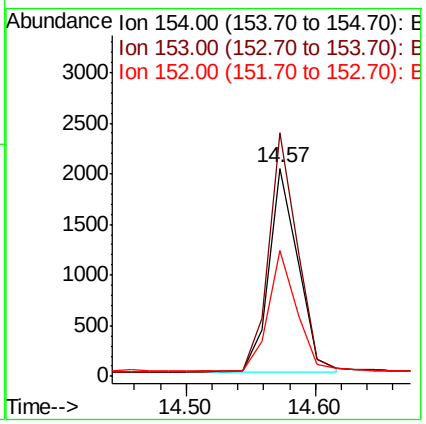


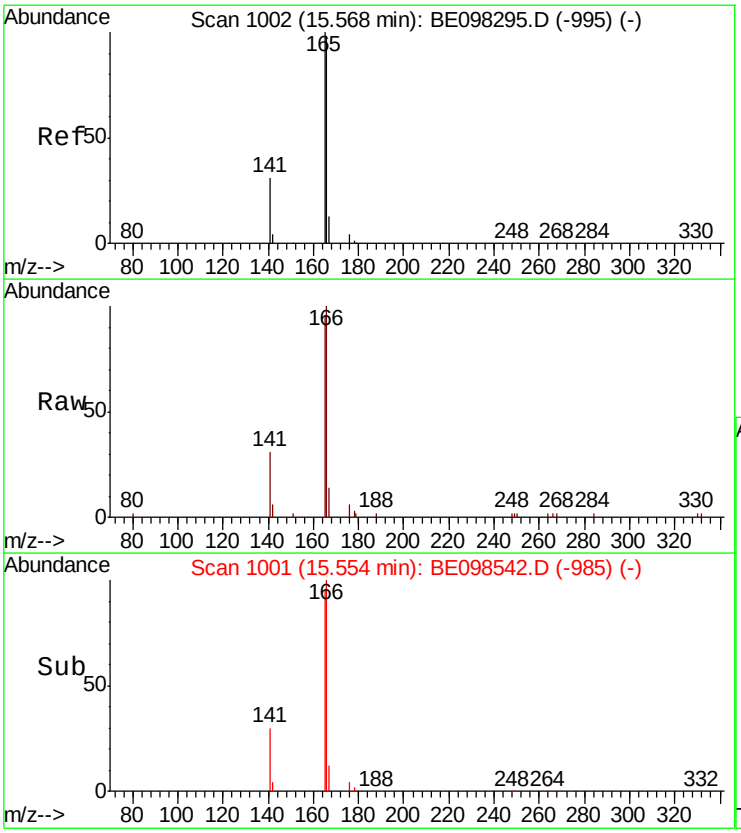
#17
Acenaphthene
Concen: 0.414 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:154 Resp: 3128

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.8	137.6
152	58.4	45.5	68.3

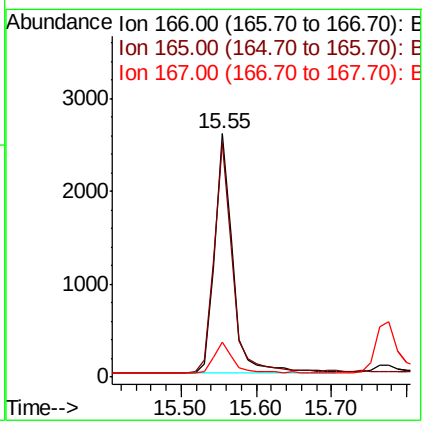


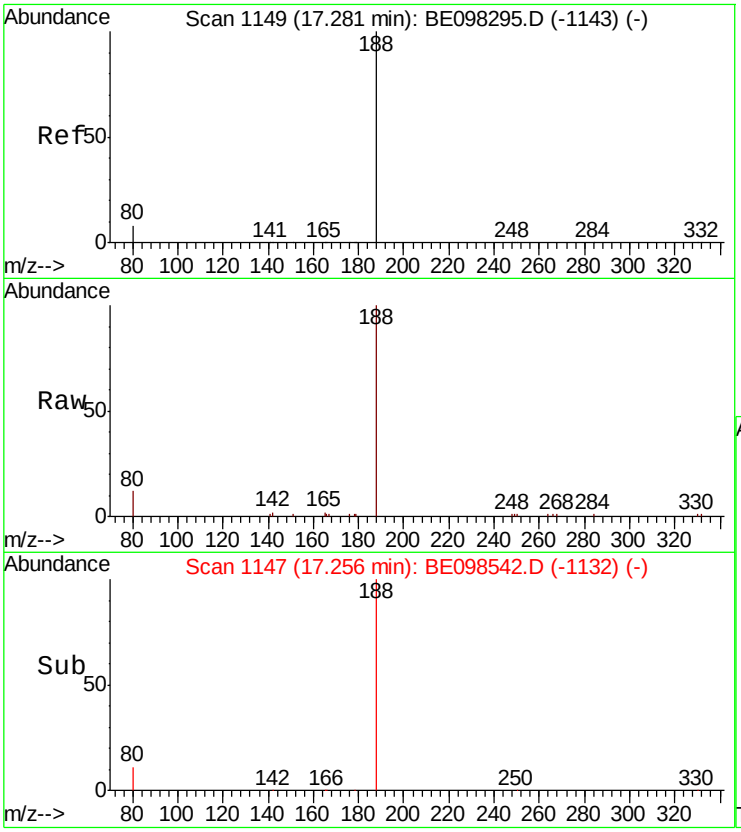


#18
Fluorene
Concen: 0.425 ng
RT: 15.55 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:166 Resp: 4293

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.3	118.9
167	13.6	11.3	16.9



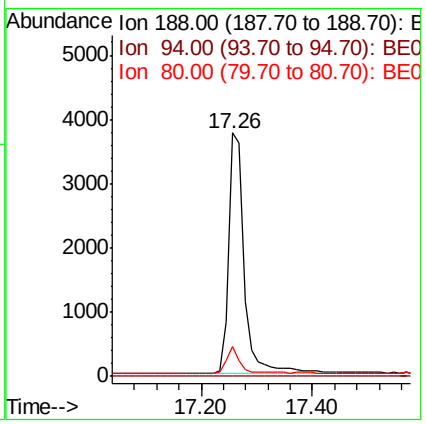


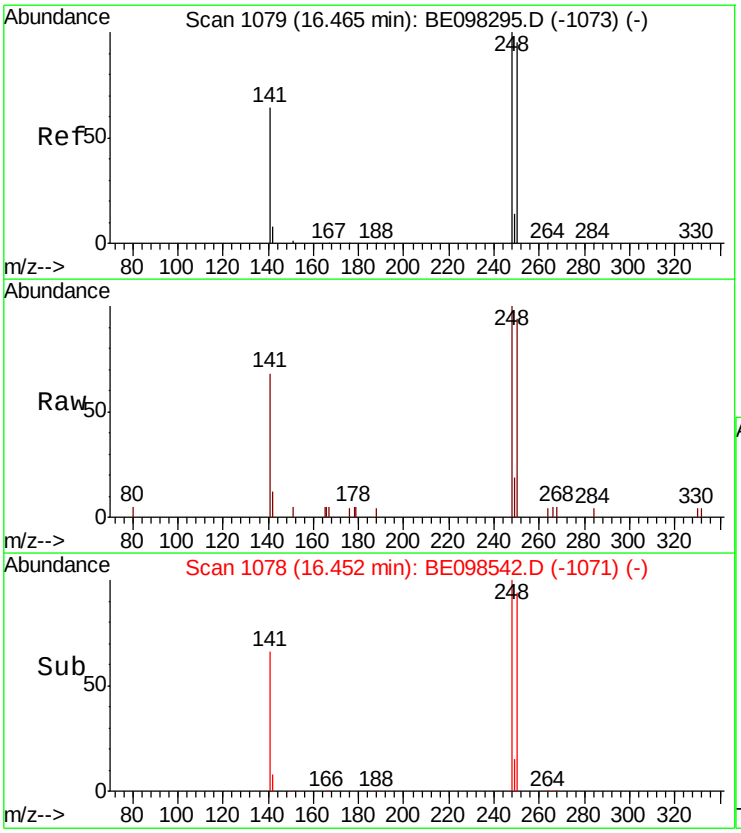
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:188 Resp: 7390

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	7.2	10.8#

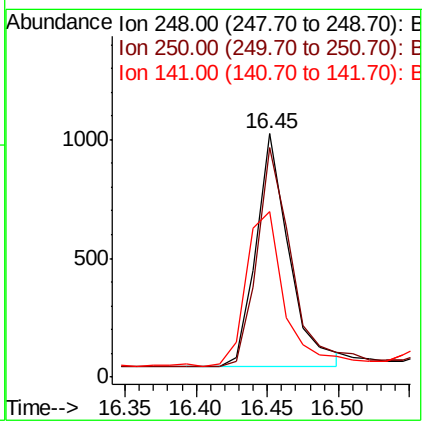


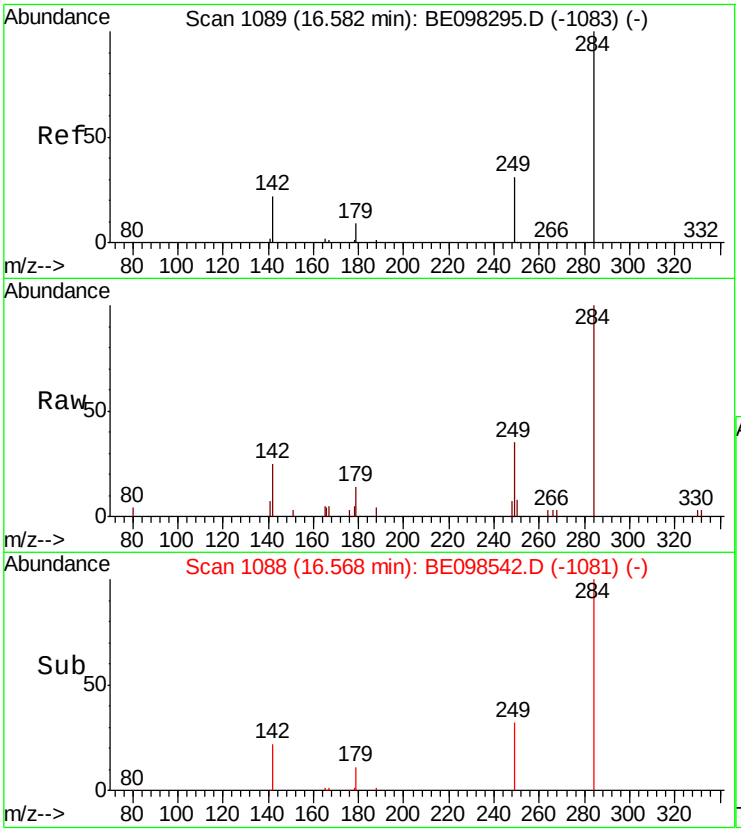


#20
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:248 Resp: 1592

Ion	Ratio	Lower	Upper
248	100		
250	94.2	71.0	106.6
141	68.0	62.1	93.1



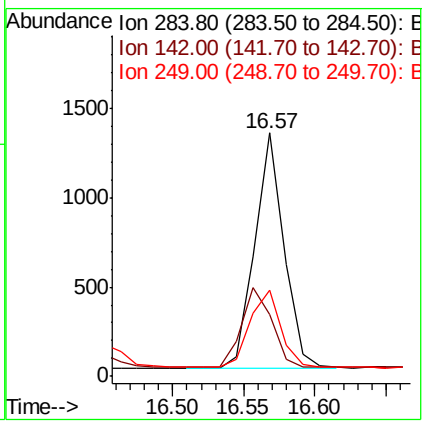


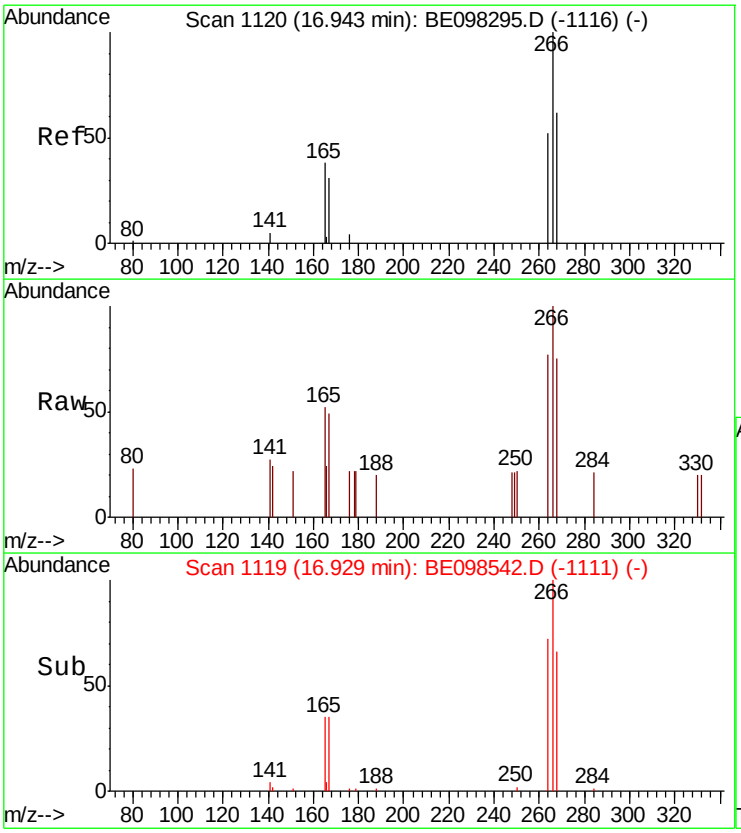
#21
Hexachlorobenzene
Concen: 0.442 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:284 Resp: 1891

Ion	Ratio	Lower	Upper
284	100		
142	35.1	26.3	39.5
249	34.5	26.0	39.0

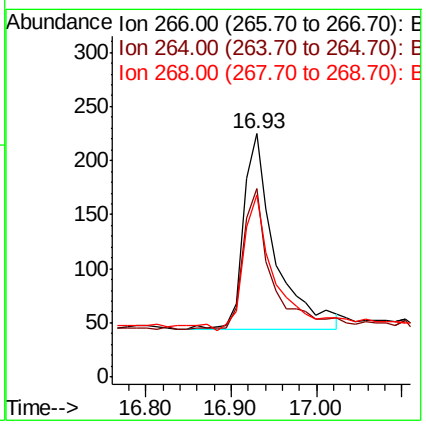


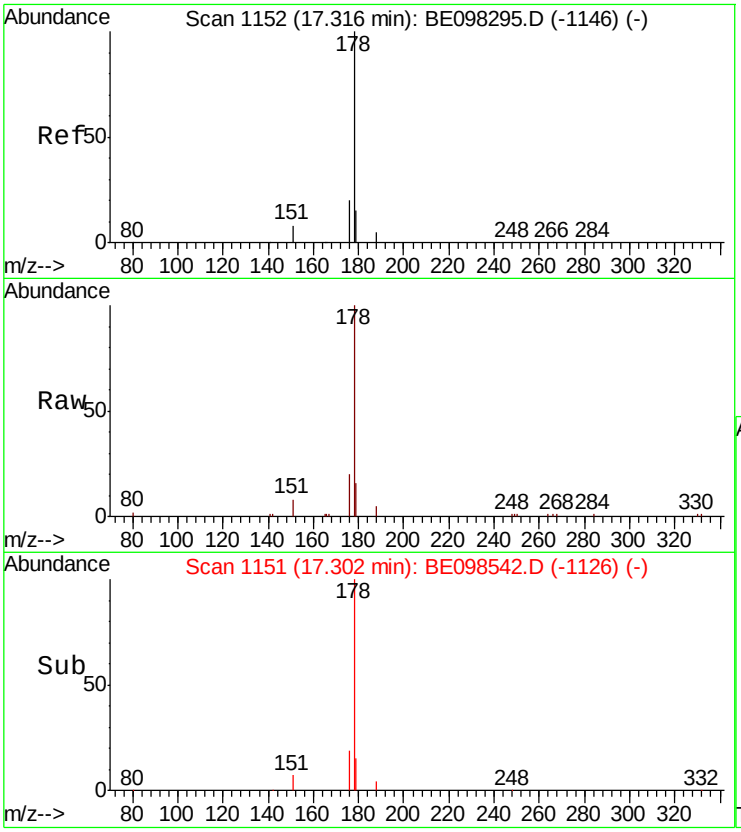


#22
Pentachlorophenol
Concen: 0.629 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:266 Resp: 468

Ion	Ratio	Lower	Upper
266	100		
264	77.3	59.0	88.4
268	74.7	55.1	82.7



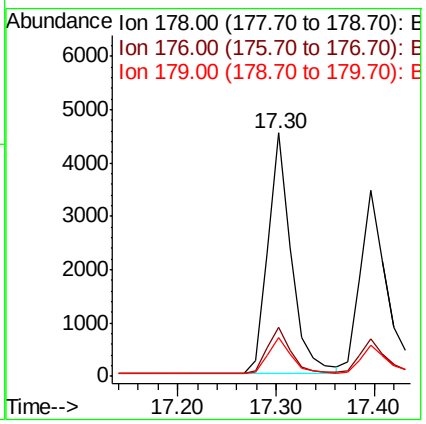


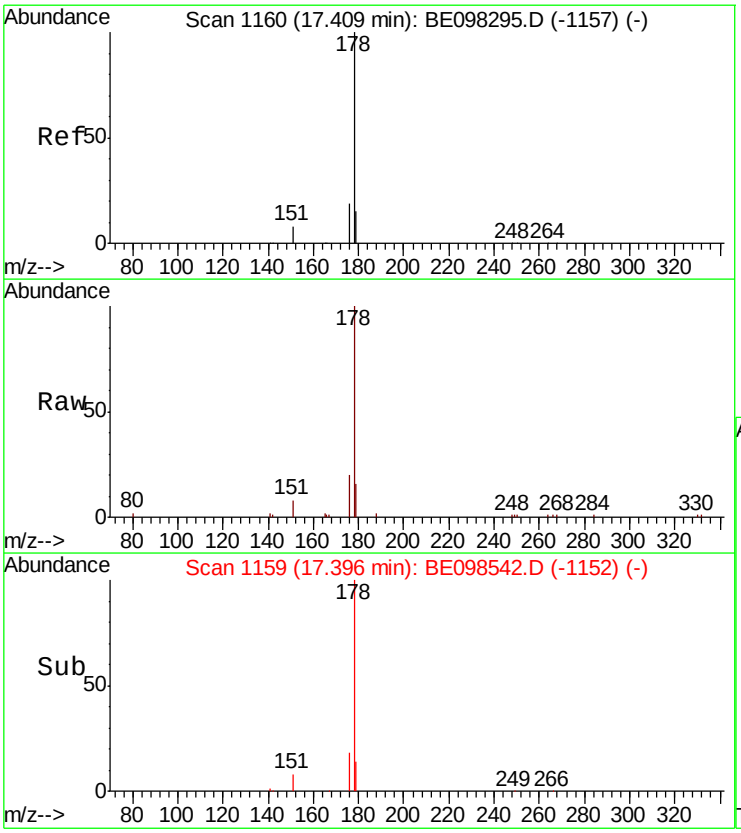
#23
Phenanthrene
Concen: 0.414 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:178 Resp: 7442

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.4	12.3	18.5

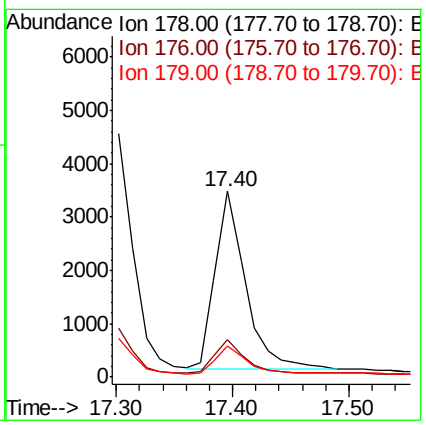


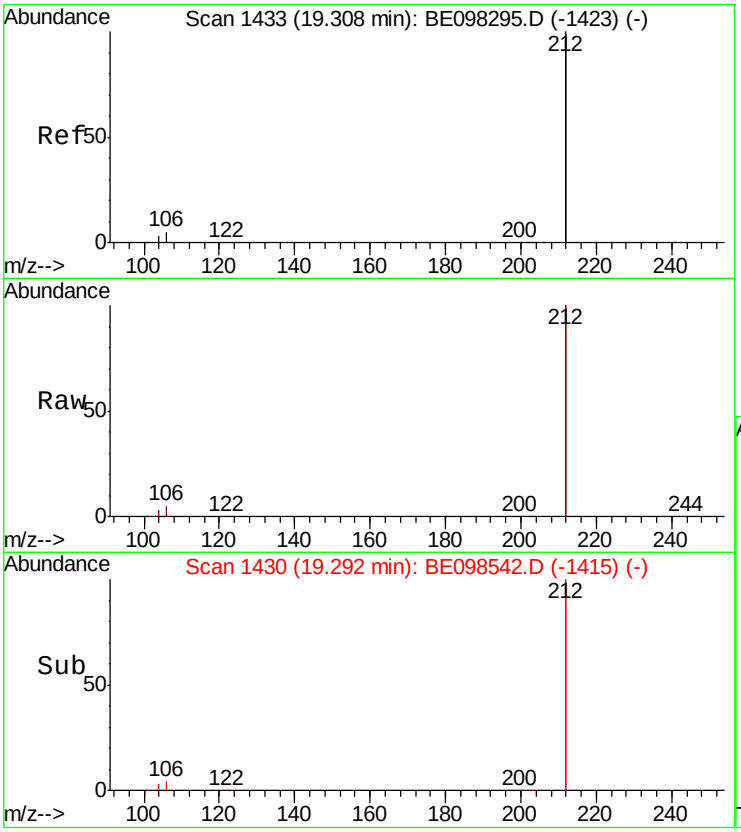


#24
Anthracene
Concen: 0.371 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:178 Resp: 5939

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.8	12.3	18.5



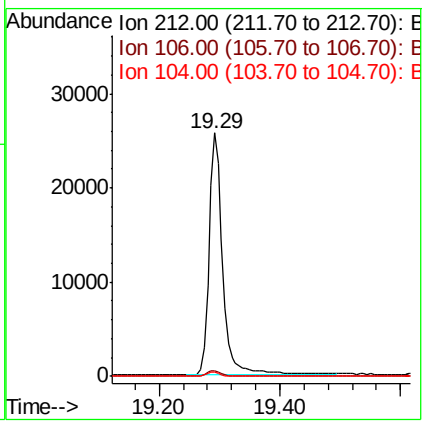


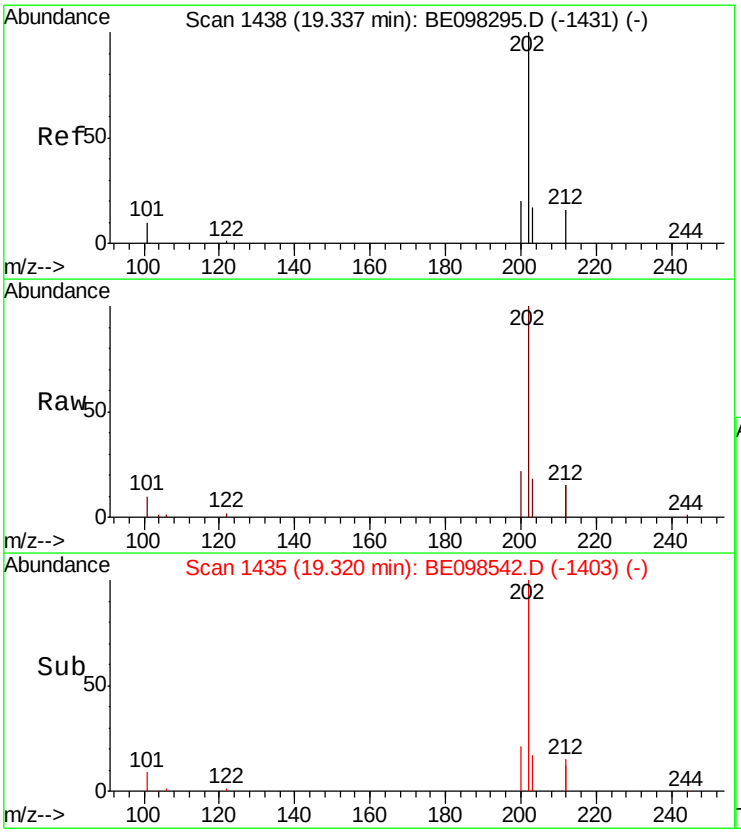
#25
Fluoranthene-d10
Concen: 0.424 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:212 Resp: 40221

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.3	1.3	1.9

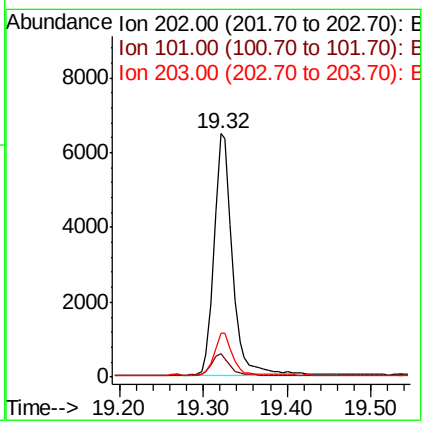


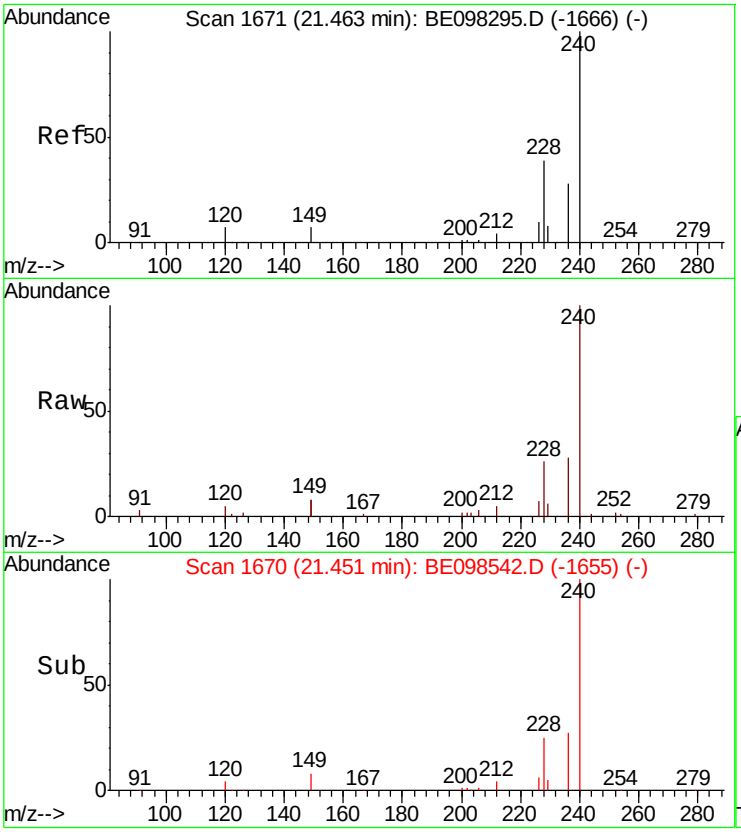


#26
Fluoranthene
Concen: 0.418 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:202 Resp: 9927

Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.0	12.0
203	17.2	13.8	20.6



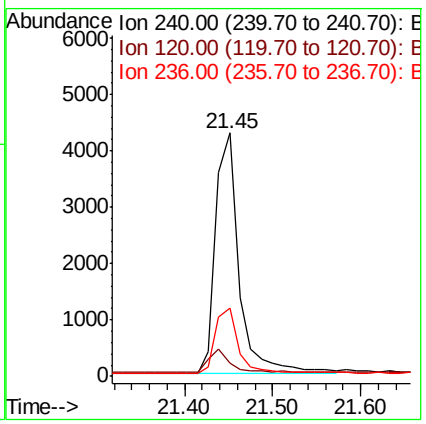


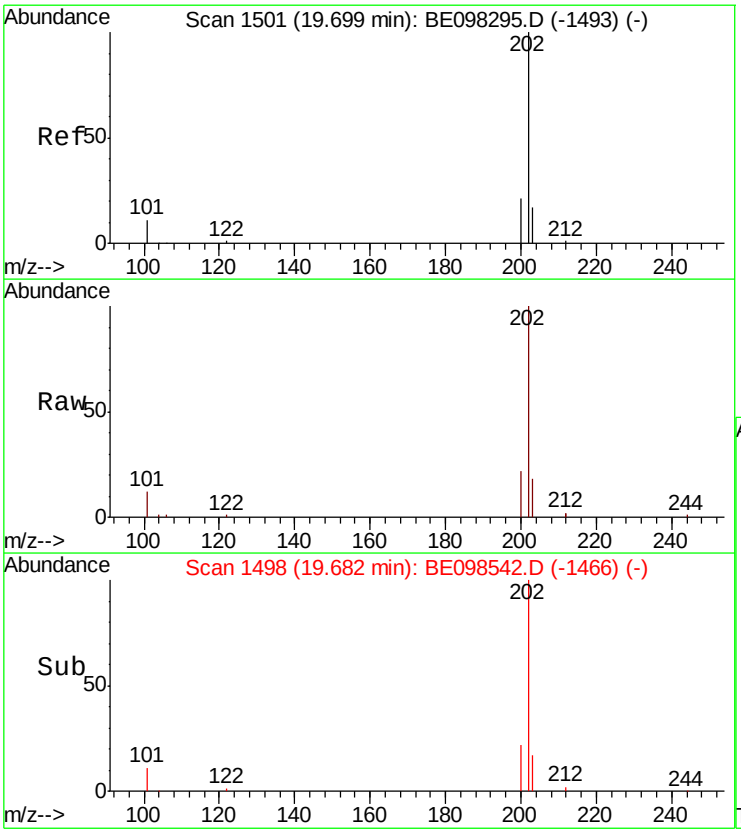
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:240 Resp: 7960

Ion	Ratio	Lower	Upper
240	100		
120	5.5	9.5	14.3#
236	27.8	22.7	34.1

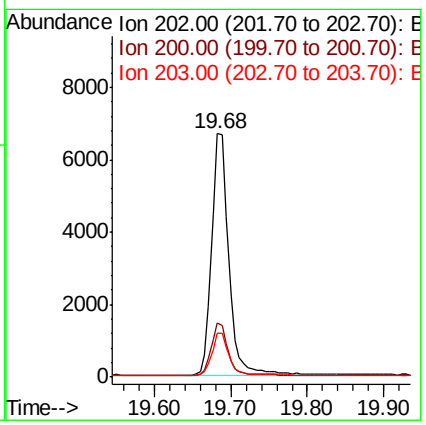


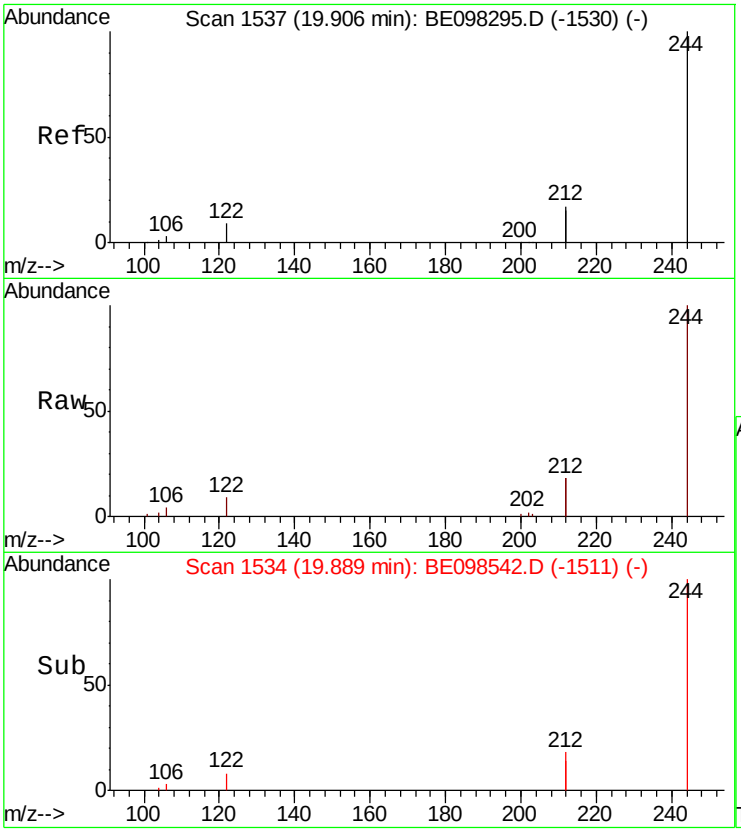


#28
Pyrene
Concen: 0.415 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:202 Resp: 10357

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	16.9	14.1	21.1



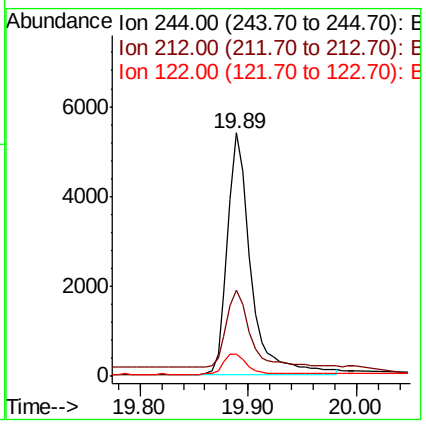


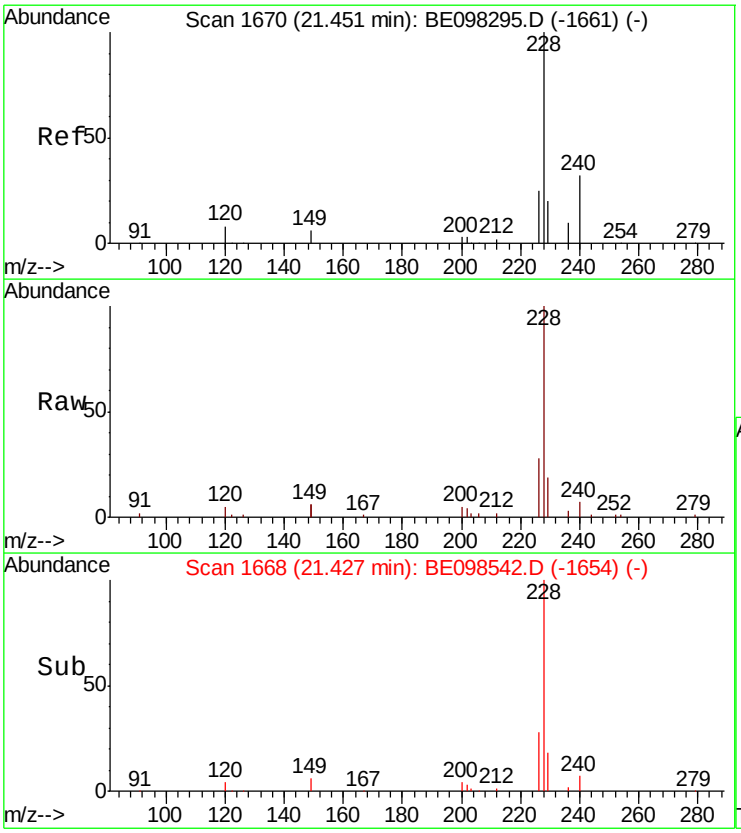
#29
Terphenyl-d14
Concen: 0.414 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:244 Resp: 8008

Ion	Ratio	Lower	Upper
244	100		
212	35.6	27.4	41.0
122	9.3	8.3	12.5

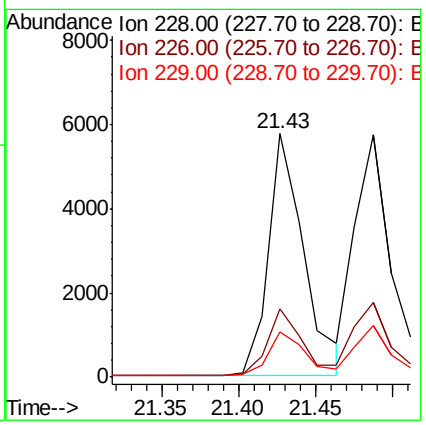


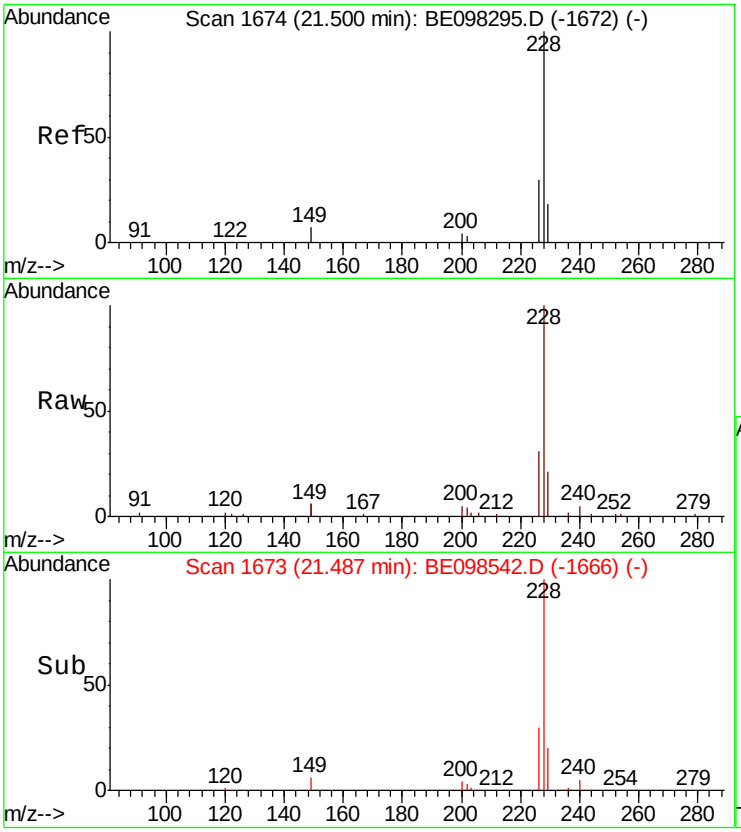


#30
Benzo(a)anthracene
Concen: 0.404 ng
RT: 21.43 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:228 Resp: 9154

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.8
229	18.8	16.3	24.5



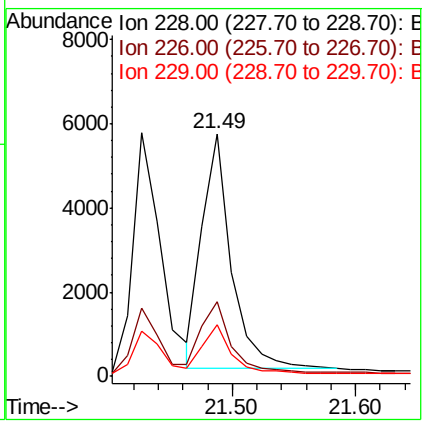


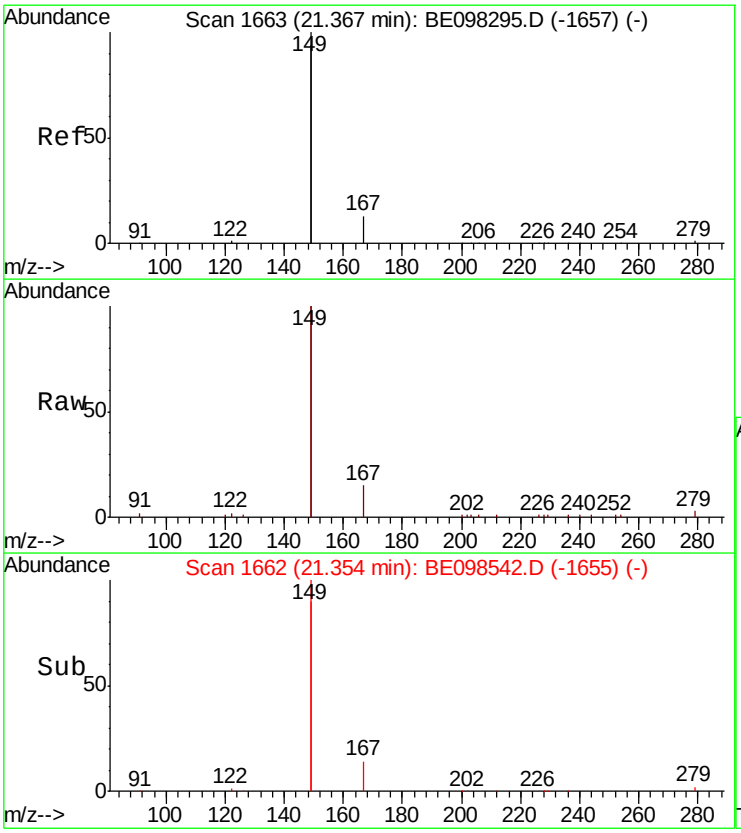
#31
Chrysene
Concen: 0.387 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:228 Resp: 9199

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.0
229	21.2	16.2	24.4

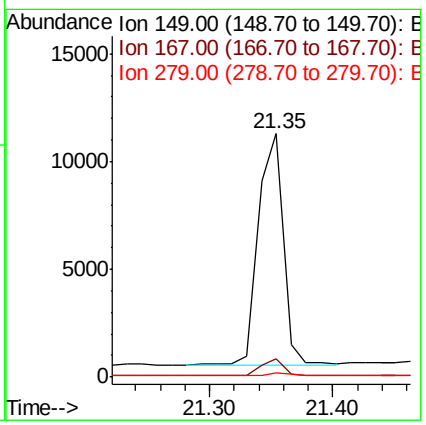


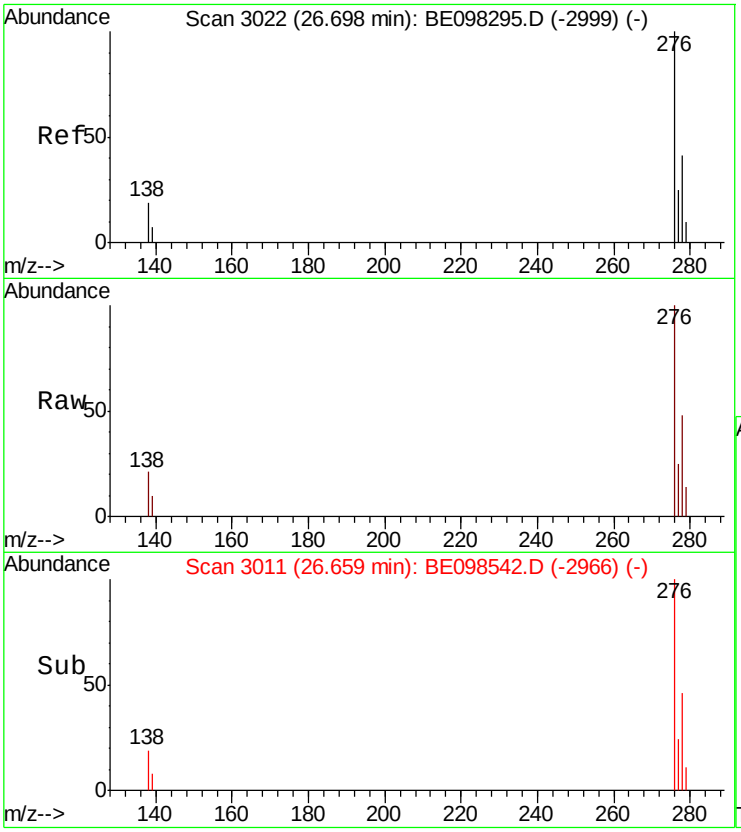


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:149 Resp: 15188

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



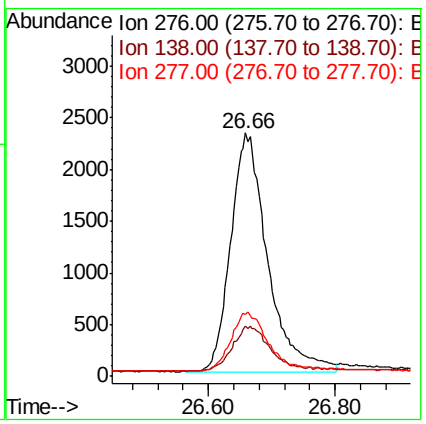


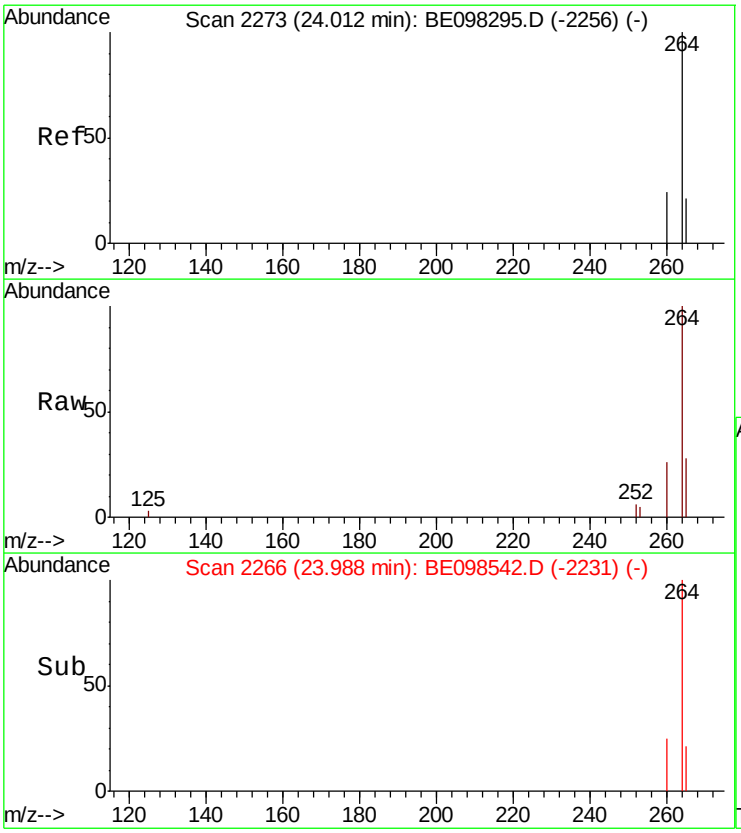
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 26.66 min Scan# 3011
Delta R.T. -0.04 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:276 Resp: 9303

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.3	24.5
277	24.7	20.2	30.4

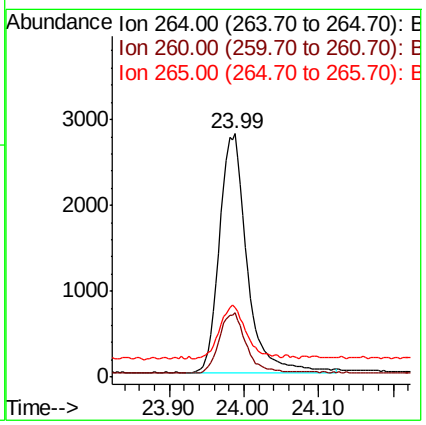


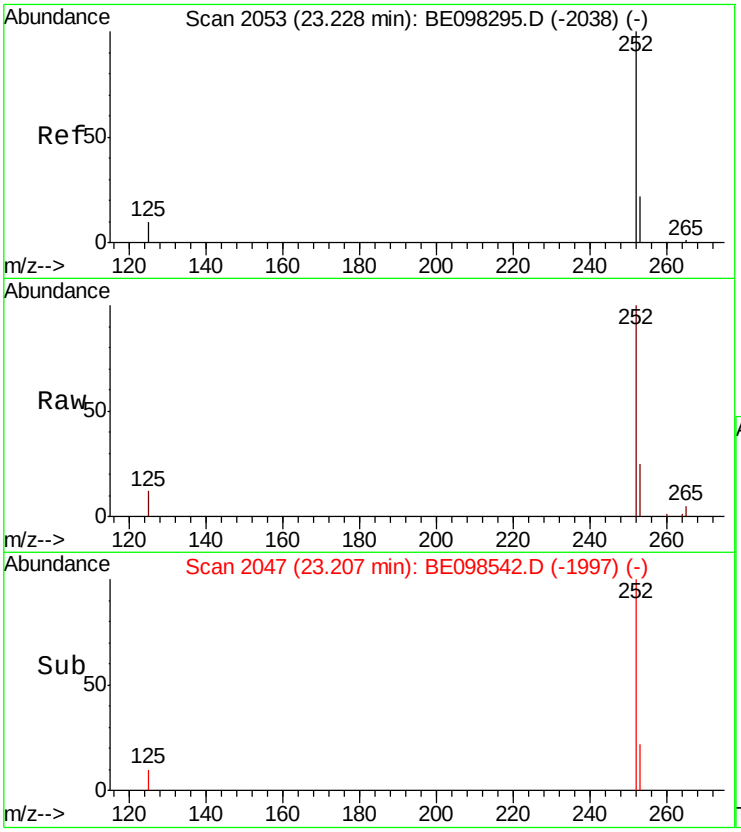


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:264 Resp: 7127

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.2	30.2
265	28.5	25.2	37.8



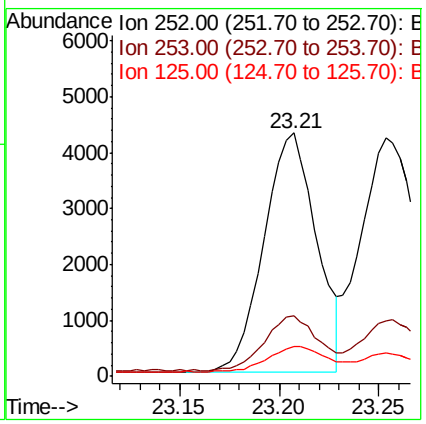


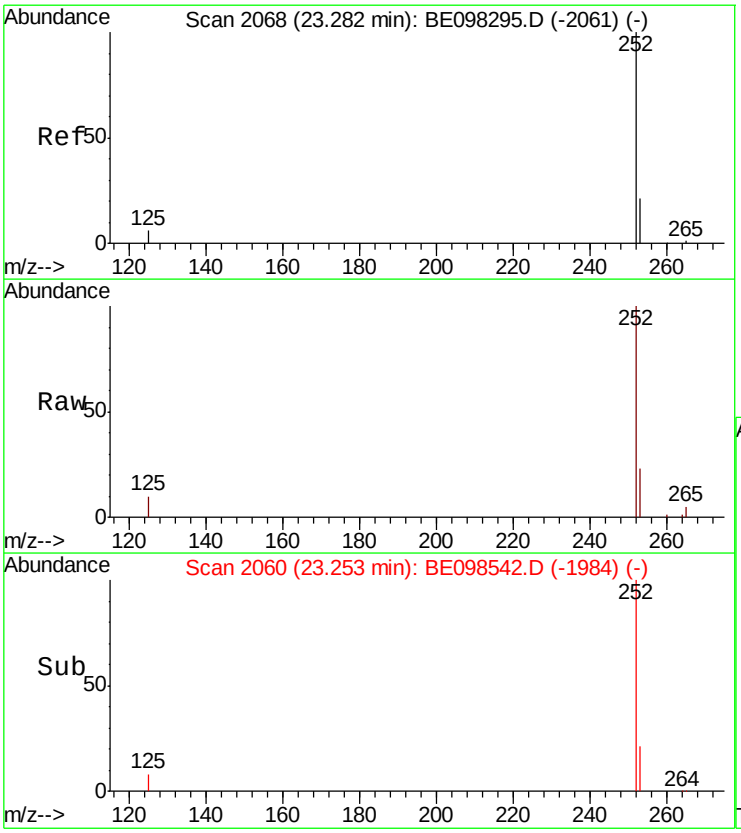
#35
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.21 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:252 Resp: 7850

Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.0	30.0
125	12.2	9.6	14.4

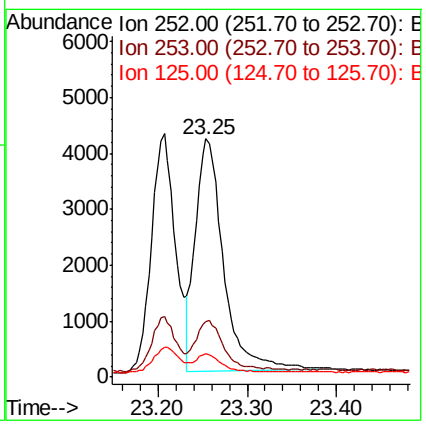


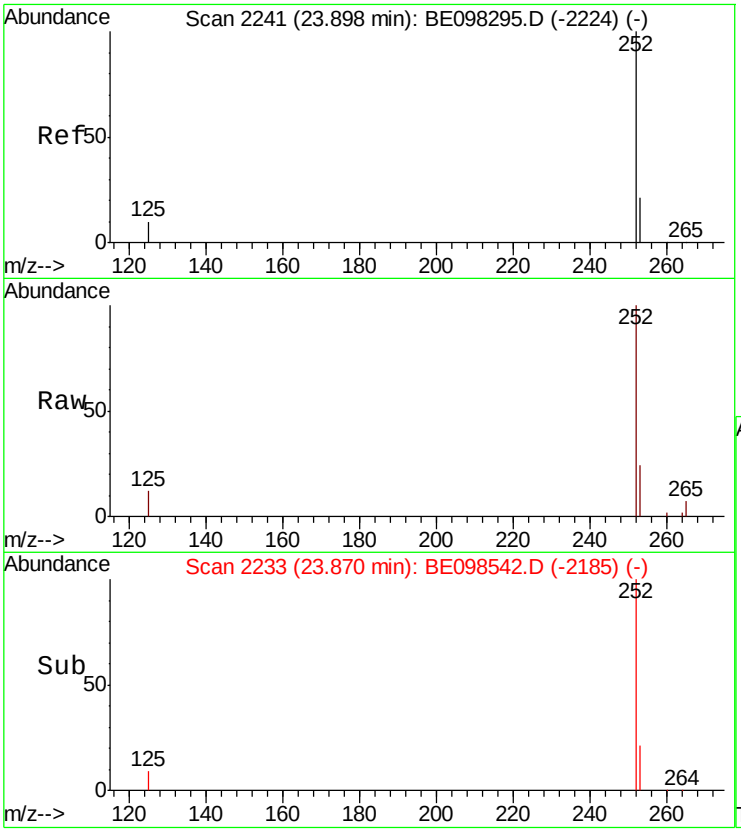


#36
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 23.25 min Scan# 2060
Delta R.T. -0.03 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:252 Resp: 9104

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	9.8	9.1	13.7



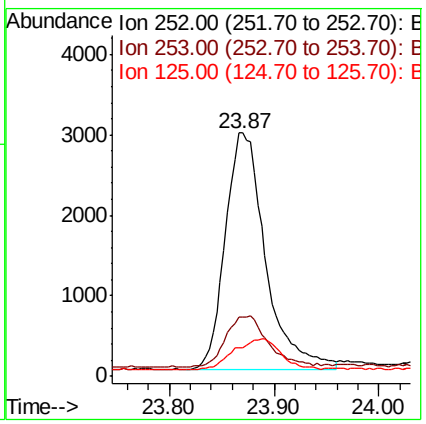


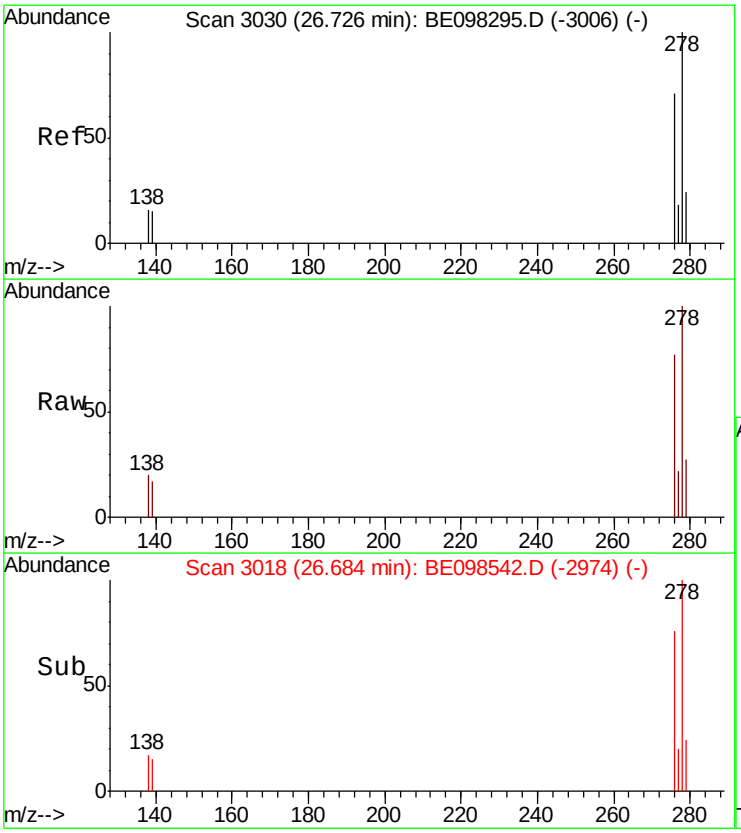
#37
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.87 min Scan# 2233
Delta R.T. -0.03 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:252 Resp: 7840

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.6	30.8
125	11.9	10.5	15.7

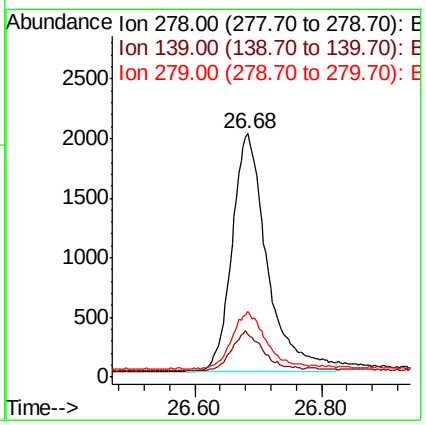


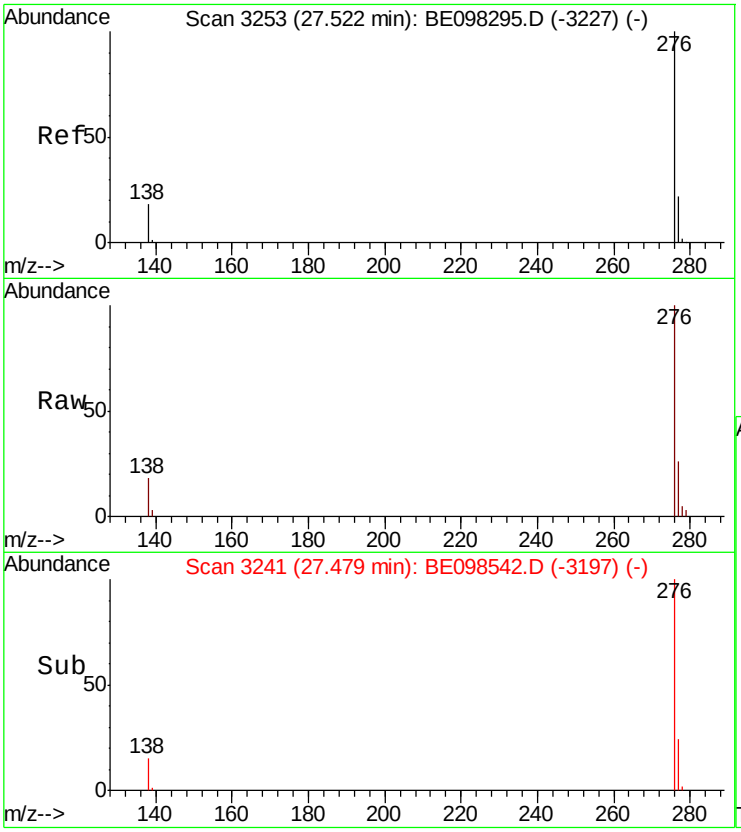


#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 26.68 min Scan# 3018
Delta R.T. -0.04 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:278 Resp: 7690

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.5	21.7
279	26.8	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.420 ng
RT: 27.48 min Scan# 3241
Delta R.T. -0.04 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:276 Resp: 8021

Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.8	31.2
138	17.6	15.8	23.6