Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
Data File : BE098364.D
Acq On : 12 Dec 2018 16:56
Operator : SJ/JU
Sample : J6314-12MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

Manual Integrations APPROVED
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Quant Time: Dec 13 14:20:50 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	7.86	152	1054	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	4259	0.40	ng		-0.01
13) Acenaphthene-d10	14.53	164	2613	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	7027	0.40	ng		-0.01
27) Chrysene-d12	21.46	240	8961	0.40	ng		0.00
34) Perylene-d12	24.01	264	8362	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	456	0.18	ng		0.01
5) Phenol-d6	7.06	99	374	0.11	ng		0.01
8) Nitrobenzene-d5	9.03	82	1660	0.43	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	2746m	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	547	0.57	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	6967	0.63	ng		0.00
25) Fluoranthene-d10	19.30	212	43656	0.48	ng		0.00
29) Terphenyl-d14	19.90	244	13208	0.61	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	1924	1.056	ng	#	80
3) n-Nitrosodimethylamine	3.72	42	185	0.113	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	1198	0.361	ng		98
9) Naphthalene	10.71	128	19306	0.450	ng		99
10) Hexachlorobutadiene	10.99	225	1069	0.392	ng		96
12) 2-Methylnaphthalene	12.34	142	3208	0.461	ng		98
16) Acenaphthylene	14.24	152	5577	0.456	ng		99
17) Acenaphthene	14.59	154	3230	0.439	ng		99
18) Fluorene	15.57	166	4522	0.460	ng		97
20) 4-Bromophenyl-phenylether	16.46	248	1535	0.406	ng	#	86
21) Hexachlorobenzene	16.58	284	1677	0.412	ng		95
22) Pentachlorophenol	16.94	266	553	0.753	ng		95
23) Phenanthrene	17.31	178	8173	0.479	ng		99
24) Anthracene	17.41	178	6762	0.444	ng		99
26) Fluoranthene	19.33	202	11393	0.504	ng		99
28) Pyrene	19.69	202	11547	0.411	ng		99
30) Benzo(a)anthracene	21.44	228	12025	0.471	ng		99
31) Chrysene	21.50	228	12180	0.456	ng		99
32) Bis(2-ethylhexyl)phthalate	21.37	149	25697	0.496	ng		100
33) Indeno(1,2,3-cd)pyrene	26.69	276	11855	0.446	ng		99
35) Benzo(b)fluoranthene	23.22	252	10870	0.475	ng		98
36) Benzo(k)fluoranthene	23.28	252	12844	0.482	ng		99
37) Benzo(a)pyrene	23.89	252	11216	0.475	ng		96
38) Dibenzo(a,h)anthracene	26.72	278	9985	0.449	ng		97
39) Benzo(g,h,i)perylene	27.51	276	10583	0.473	ng		98

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

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Data File : BE098364.D
Acq On : 12 Dec 2018 16:56
Operator : SJ/JU
Sample : J6314-12MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 14:20:50 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

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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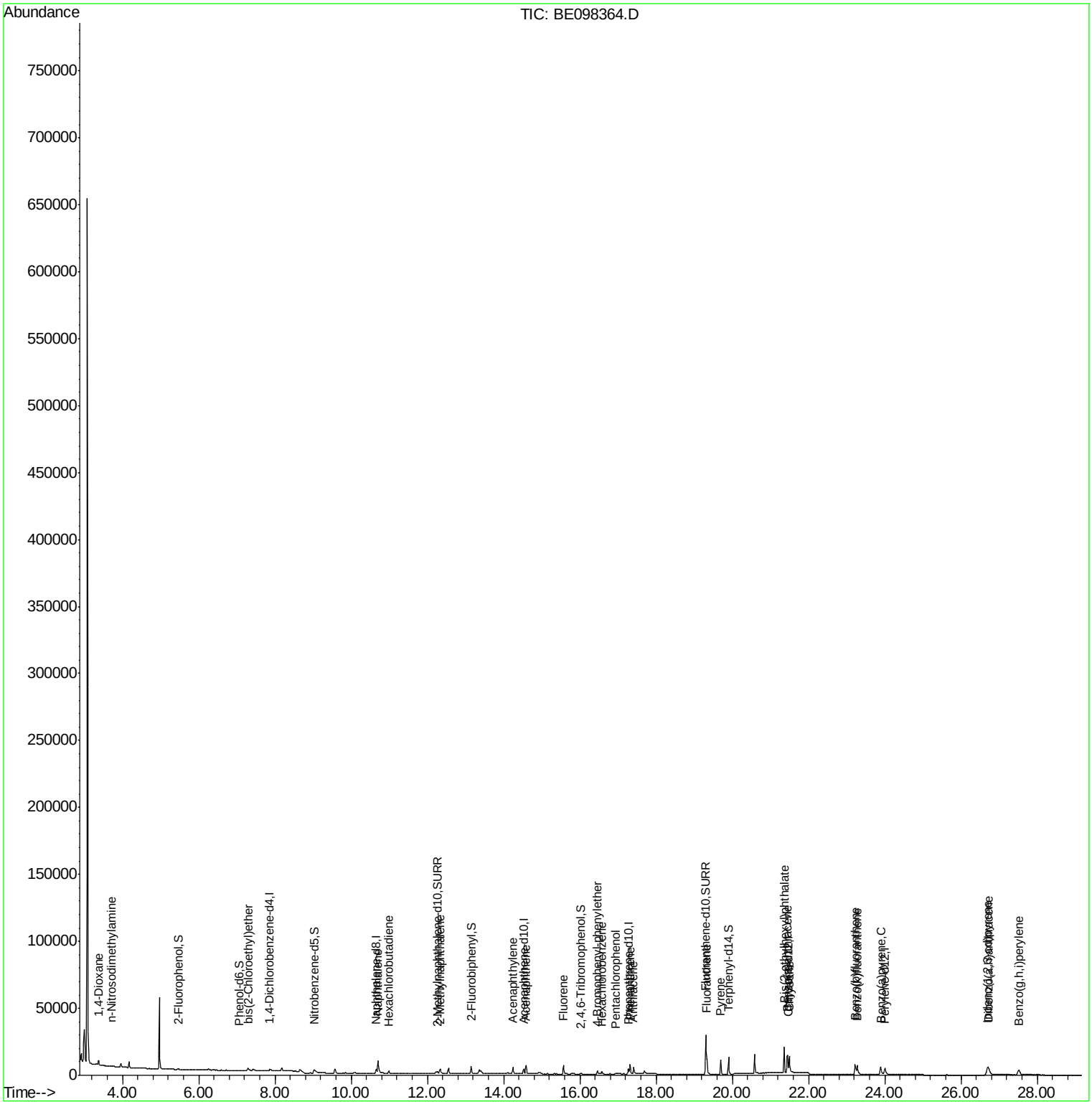
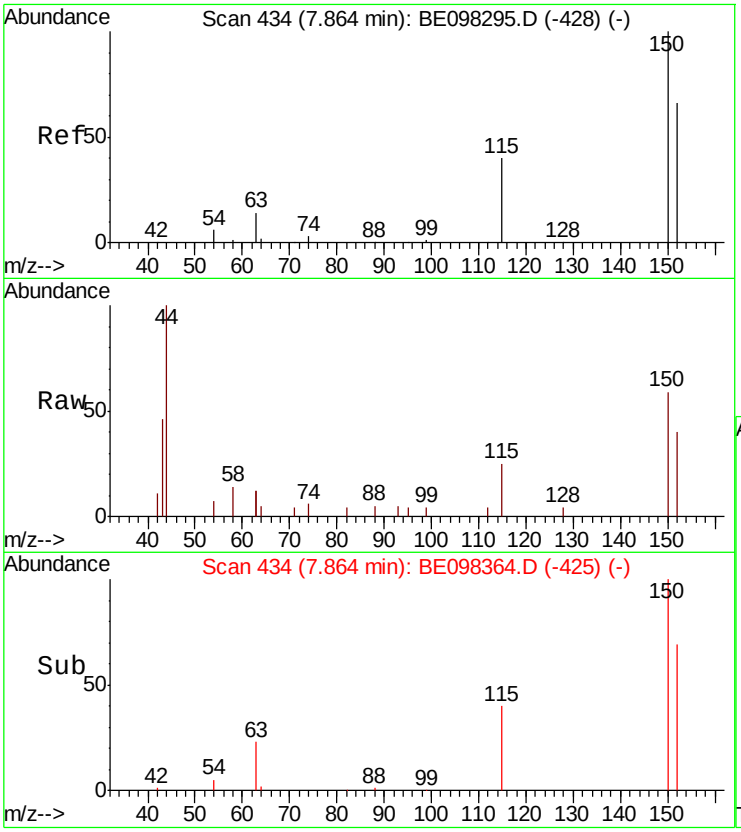
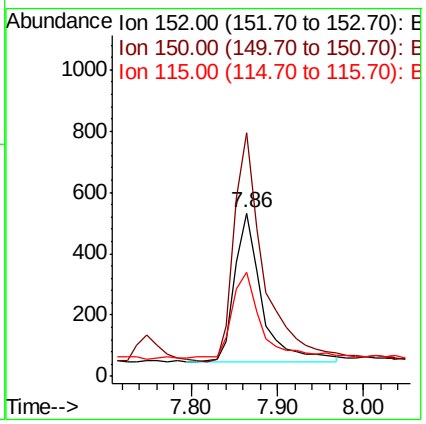




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:152 Resp: 1054

Ion	Ratio	Lower	Upper
152	100		
150	149.0	124.2	186.4
115	63.4	53.9	80.9



Instrument :
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ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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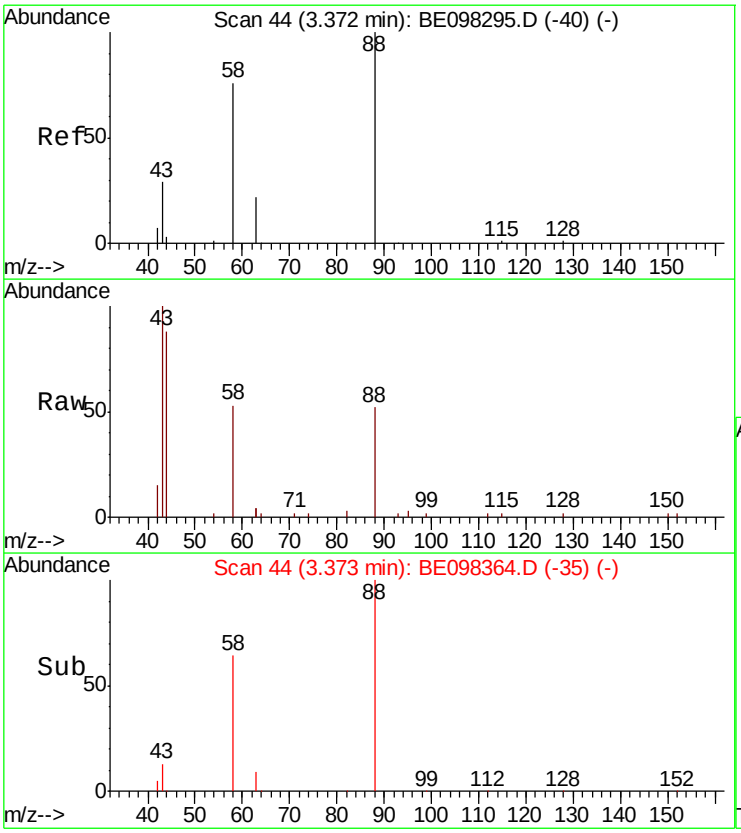
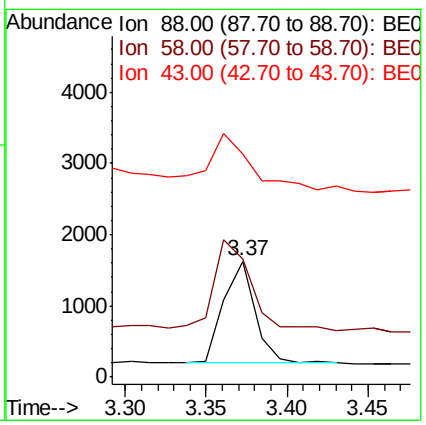
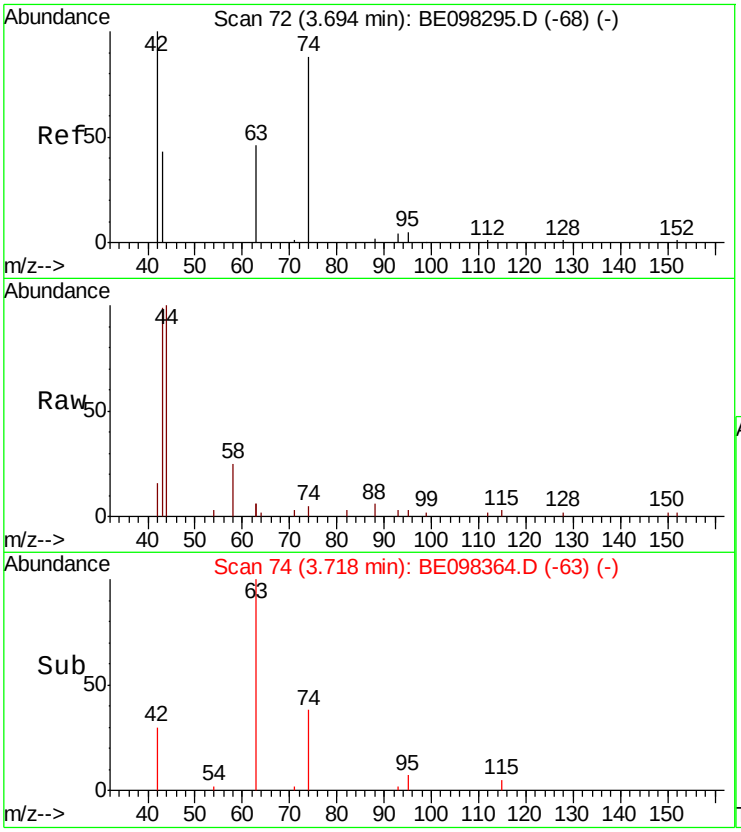


#2
1,4-Dioxane
Concen: 1.056 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion: 88 Resp: 1924

Ion	Ratio	Lower	Upper
88	100		
58	103.3	75.0	112.6
43	74.5	38.3	57.5#

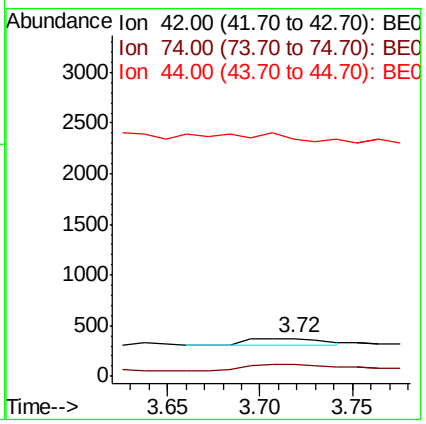




#3
n-Nitrosodimethylamine
Concen: 0.113 ng
RT: 3.72 min Scan# 74
Delta R.T. 0.02 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion: 42 Resp: 185

Ion	Ratio	Lower	Upper
42	100		
74	110.3	0.0	0.0#
44	200.0	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
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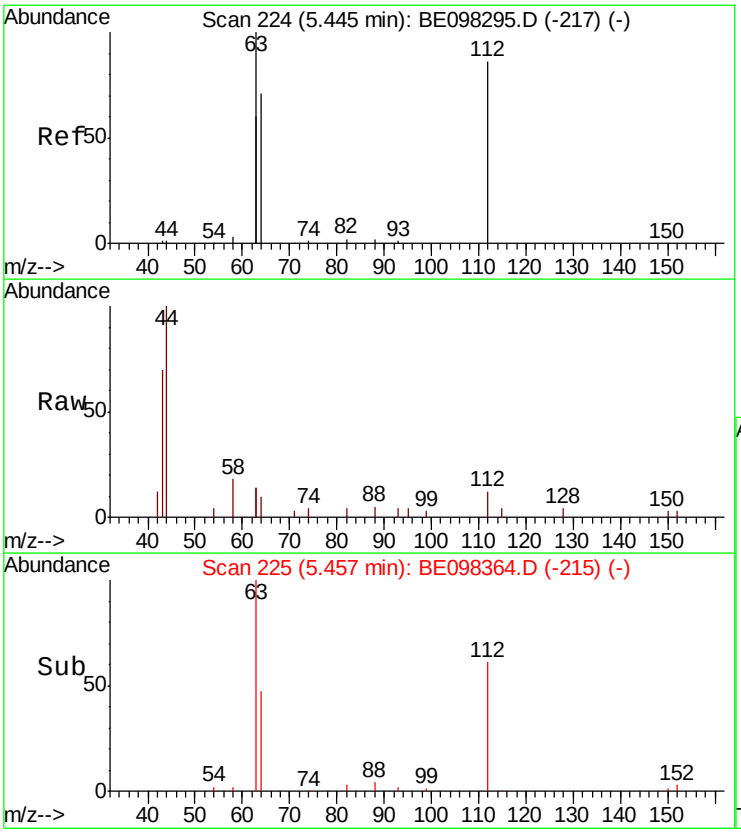
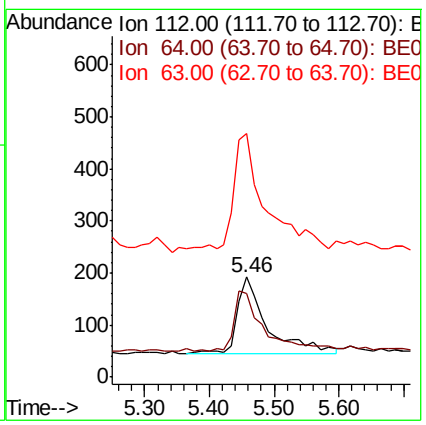
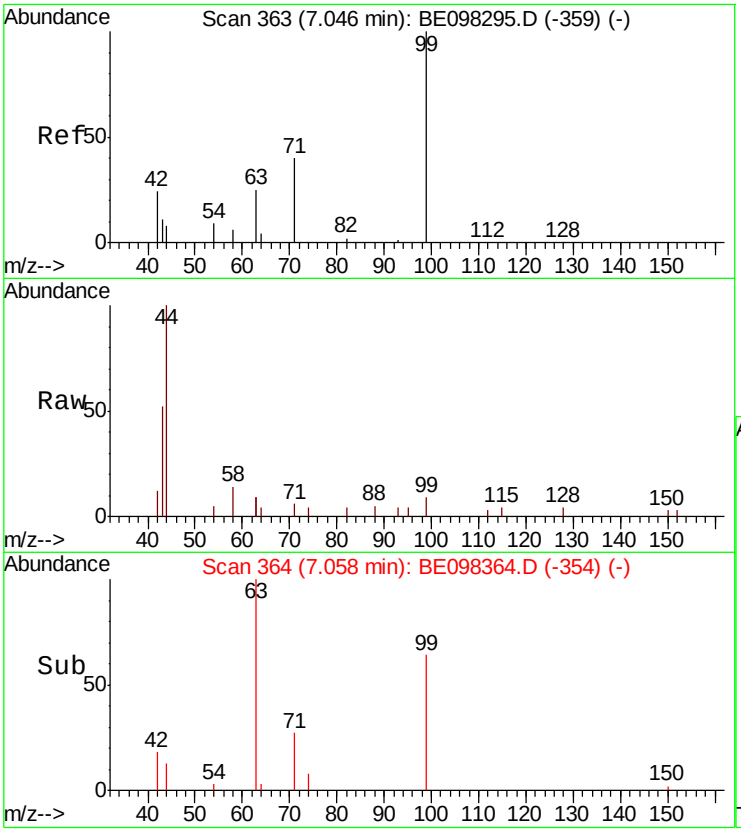


#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:112 Resp: 456

Ion	Ratio	Lower	Upper
112	100		
64	80.7	59.8	89.8
63	161.8	133.7	200.5

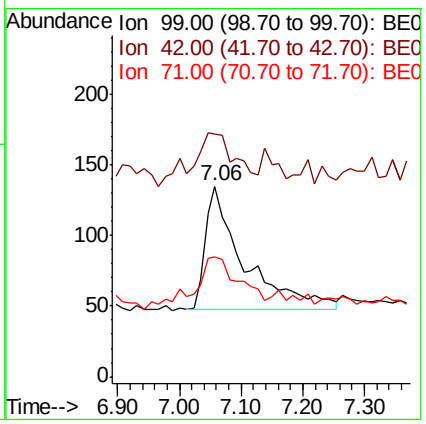




#5
Phenol-d6
Concen: 0.107 ng
RT: 7.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion: 99 Resp: 374

Ion	Ratio	Lower	Upper
99	100		
42	38.2	26.3	39.5
71	41.2	33.6	50.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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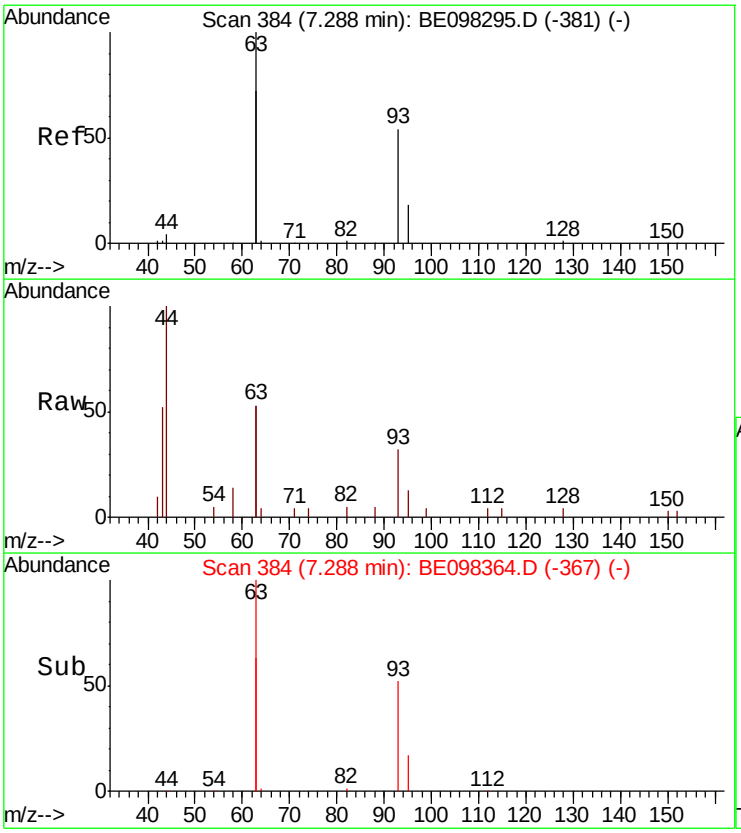
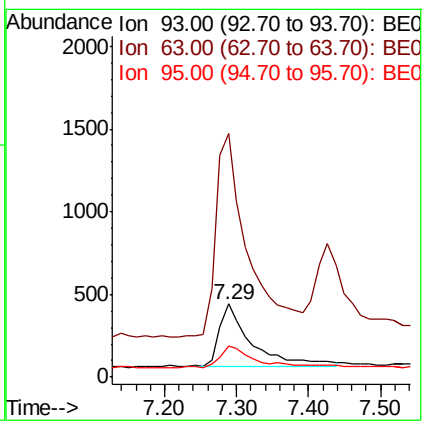
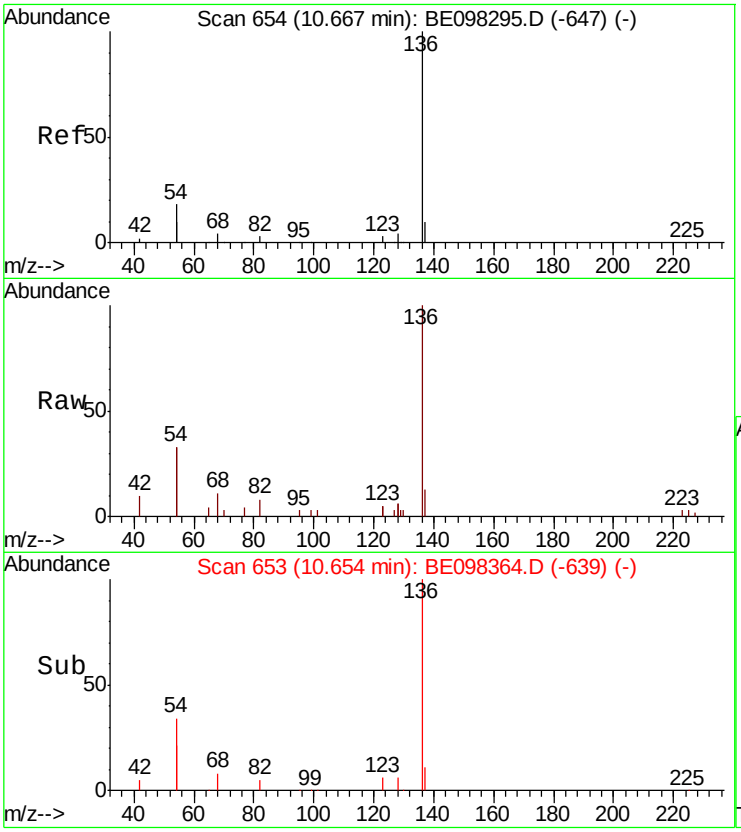


#6
bis(2-Chloroethyl)ether
Concen: 0.361 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion: 93 Resp: 1198

Ion	Ratio	Lower	Upper
93	100		
63	327.0	264.4	396.6
95	38.0	26.6	40.0

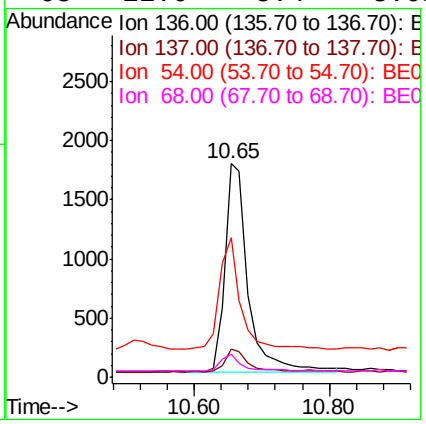




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:136 Resp: 4259

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.2	13.8
54	65.3	28.4	42.6#
68	11.0	5.4	8.0#



Instrument :
BNA_E
ClientSampleId :
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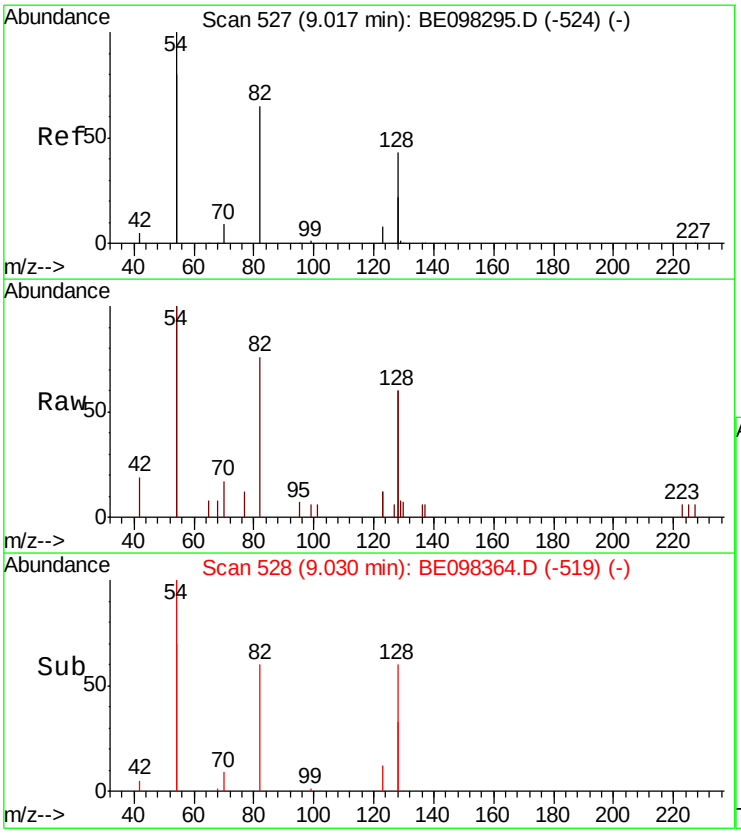
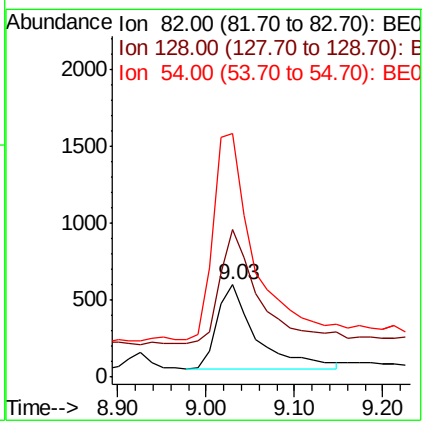
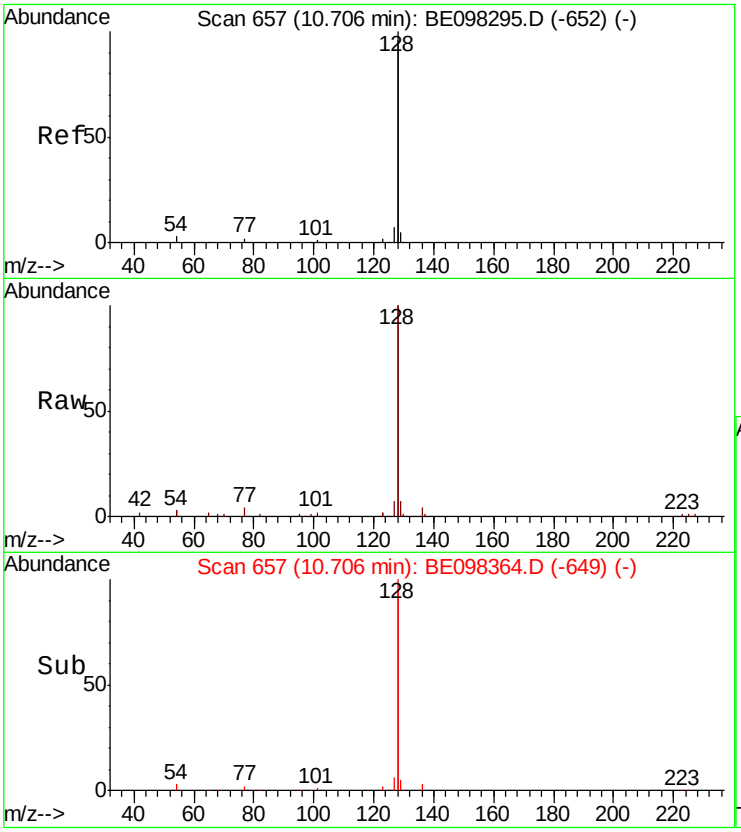


#8
Nitrobenzene-d5
Concen: 0.428 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion: 82 Resp: 1660

Ion	Ratio	Lower	Upper
82	100		
128	159.7	102.4	153.6#
54	264.3	221.8	332.8

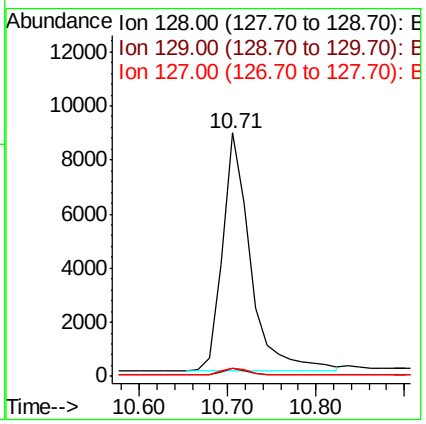




#9
Naphthalene
Concen: 0.450 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:128 Resp: 19306

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.5	3.7
127	3.5	2.7	4.1



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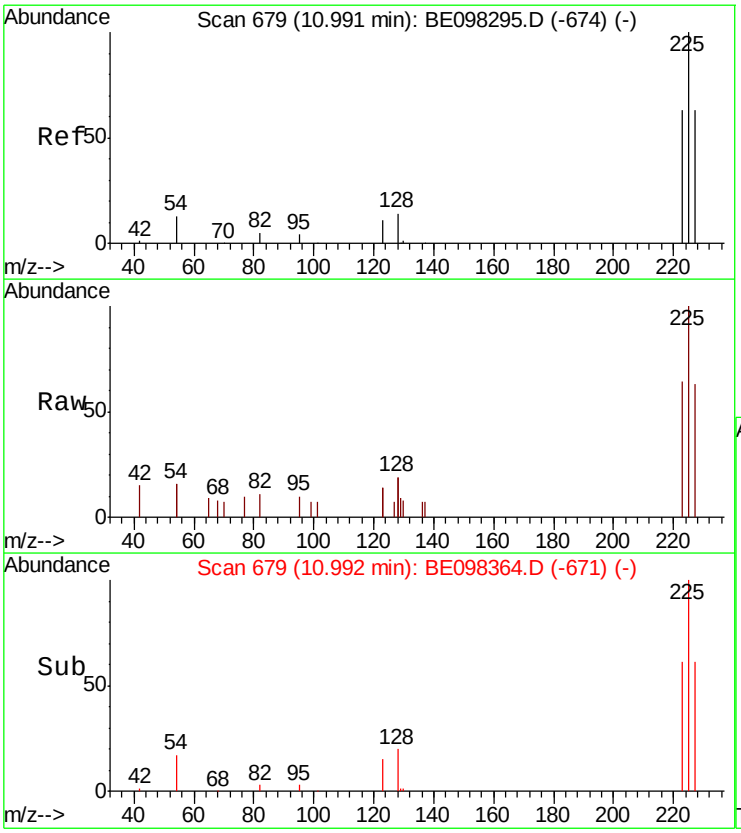
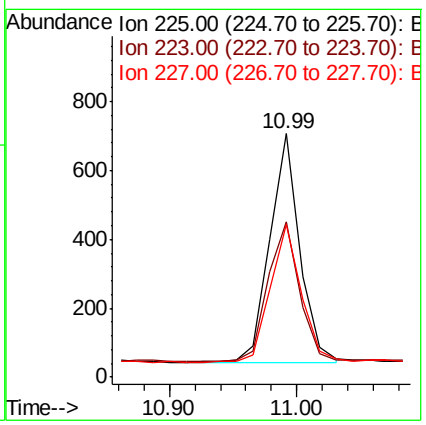
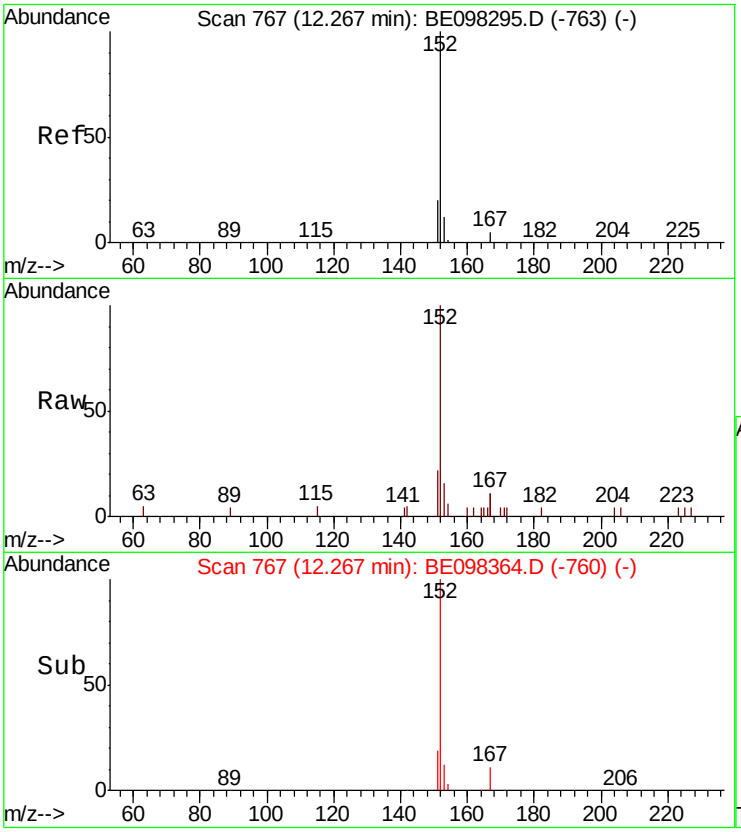


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:225 Resp: 1069

Ion	Ratio	Lower	Upper
225	100		
223	64.5	49.4	74.0
227	62.3	52.0	78.0

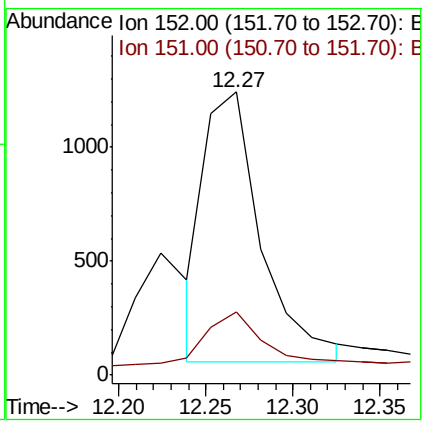




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng m
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:152 Resp: 2746

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.2	24.4



Instrument :
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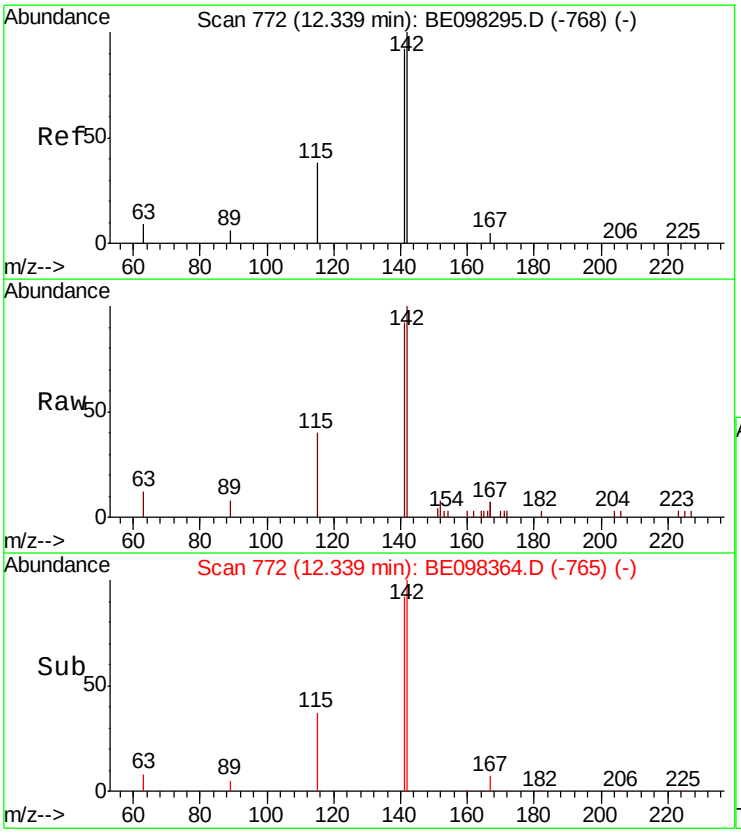
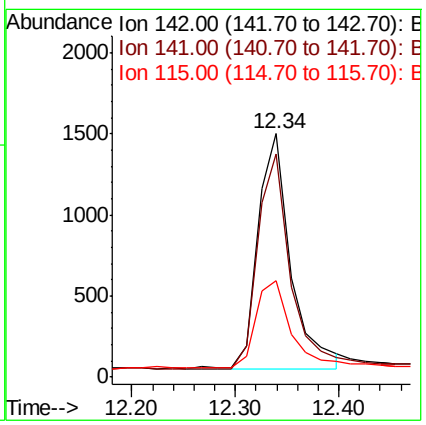
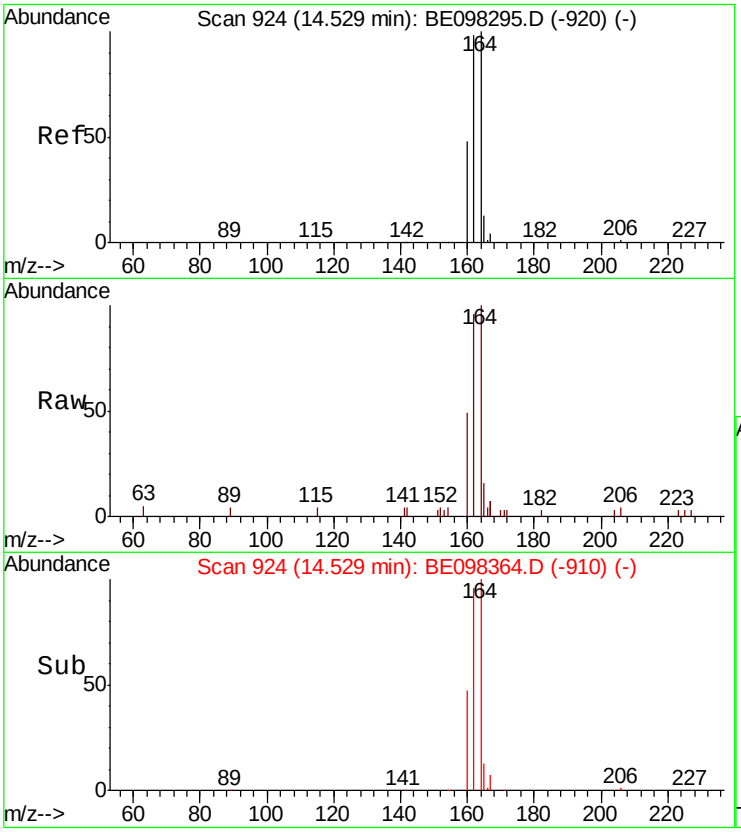


#12
2-Methylnaphthalene
Concen: 0.461 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:142 Resp: 3208

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.0	106.6
115	39.7	32.2	48.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:164 Resp: 2613

Ion	Ratio	Lower	Upper
164	100		
162	96.2	77.6	116.4
160	48.8	36.0	54.0

Instrument :
BNA_E
ClientSampleId :
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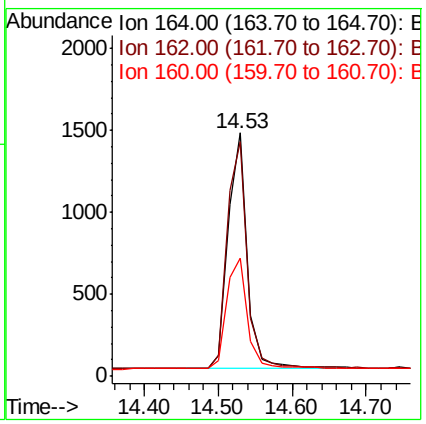
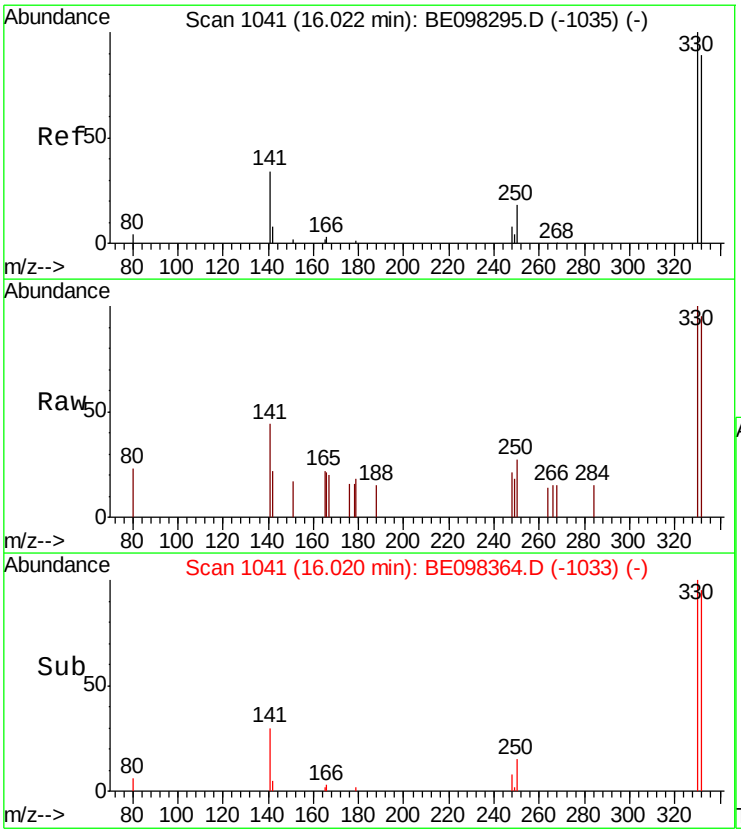
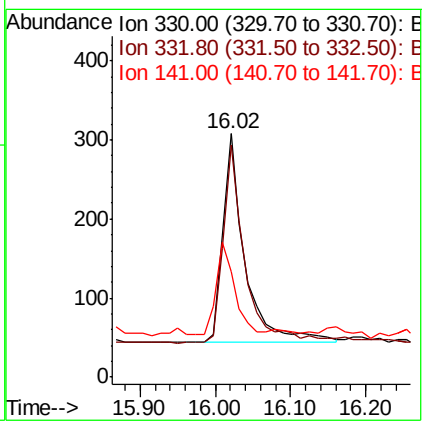


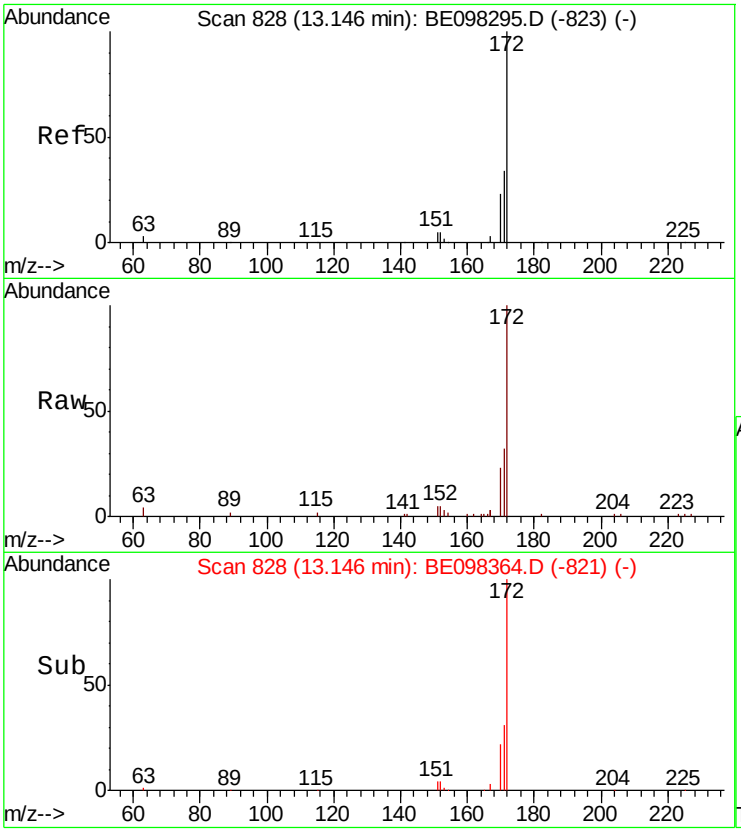


#14
2,4,6-Tribromophenol
Concen: 0.570 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:330 Resp: 547

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.2	114.4
141	37.1	39.0	58.4#

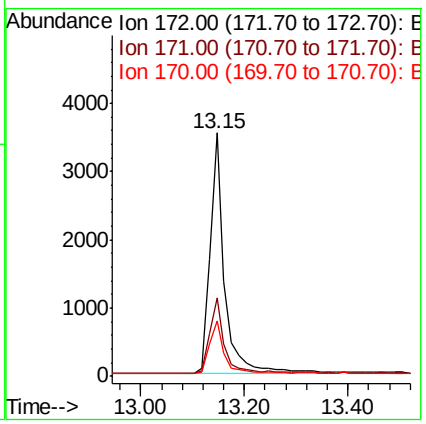




#15
2-Fluorobiphenyl
Concen: 0.632 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:172 Resp: 6967

Ion	Ratio	Lower	Upper
172	100		
171	32.2	27.5	41.3
170	22.8	19.6	29.4



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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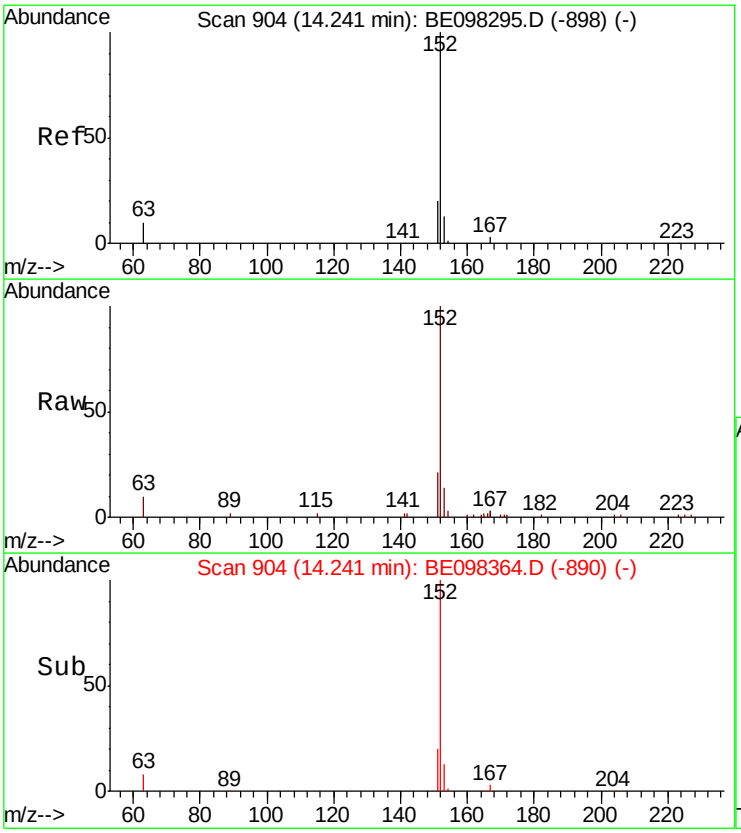
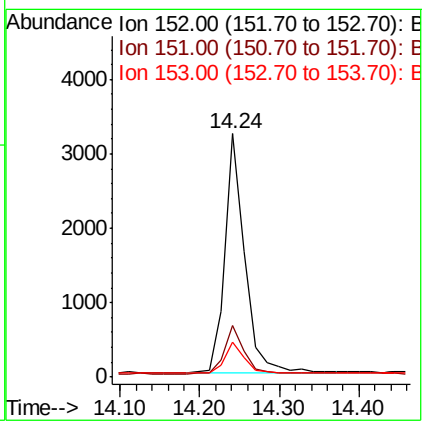
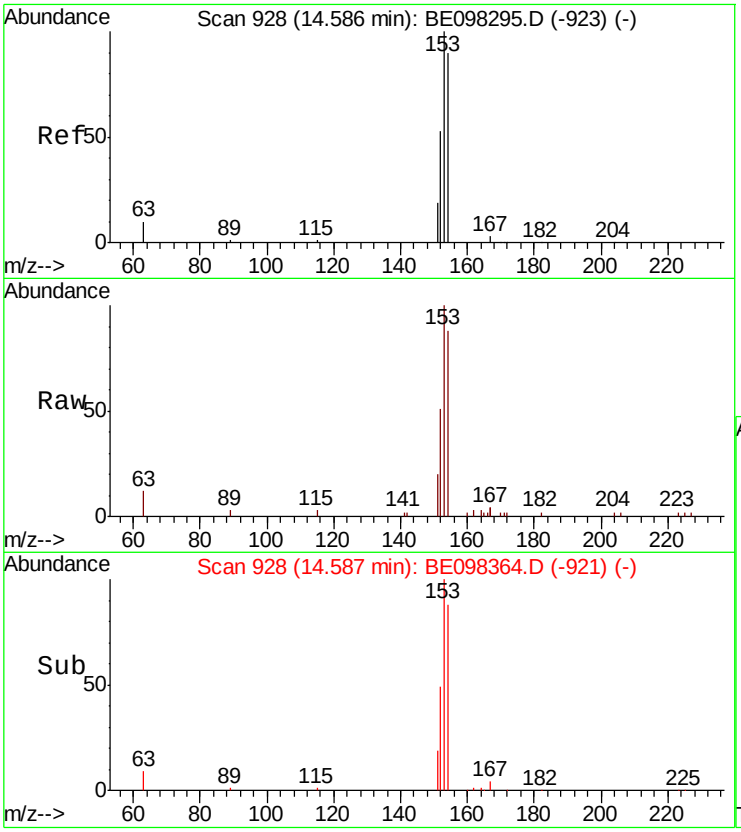


#16
Acenaphthylene
Concen: 0.456 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:152 Resp: 5577

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.6	16.0

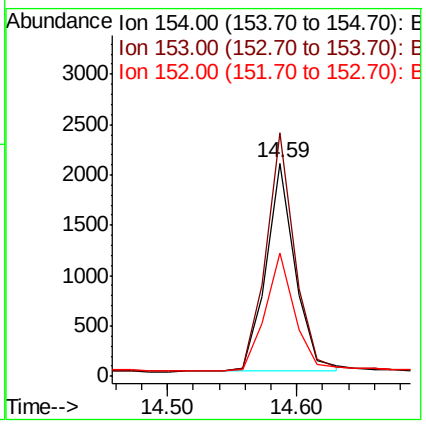




#17
Acenaphthene
Concen: 0.439 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:154 Resp: 3230

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.8	137.6
152	57.5	45.5	68.3



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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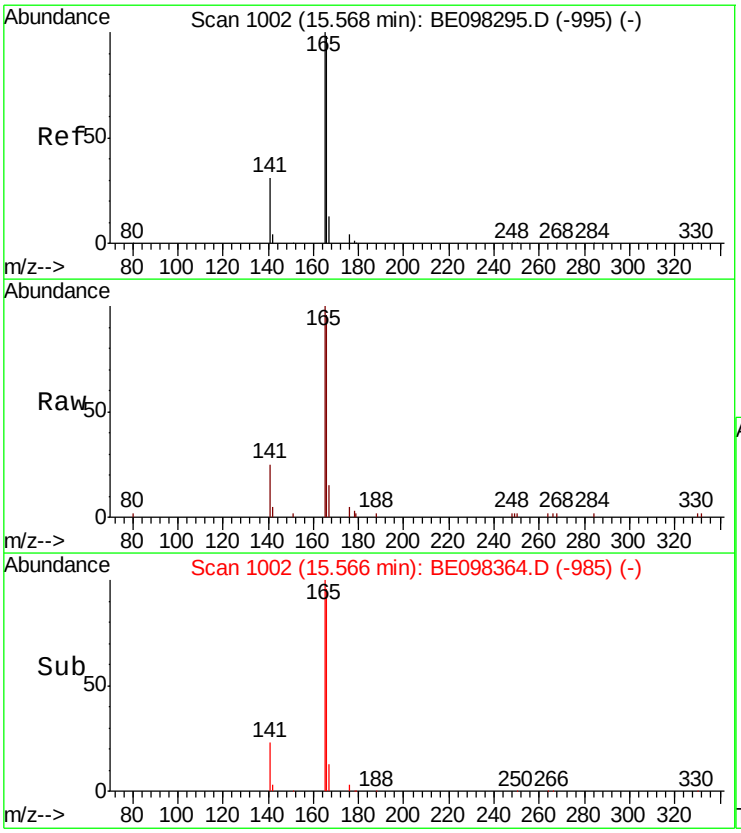
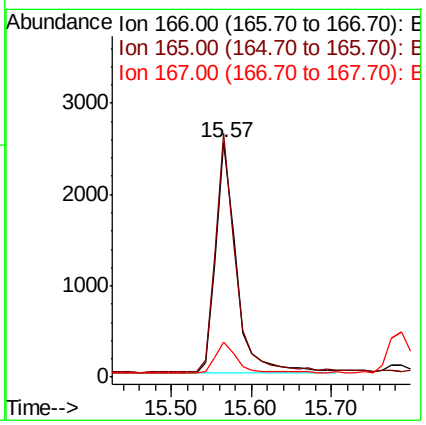
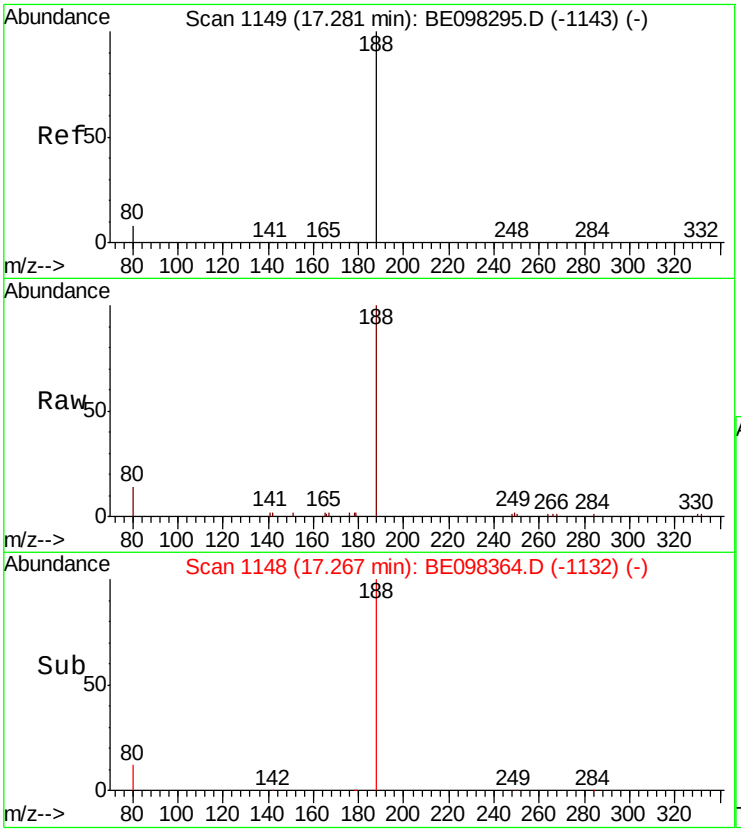


#18
Fluorene
Concen: 0.460 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:166 Resp: 4522

Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.3	118.9
167	14.0	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: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:188 Resp: 7027

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	7.2	10.8#

Instrument :
BNA_E
ClientSampleId :
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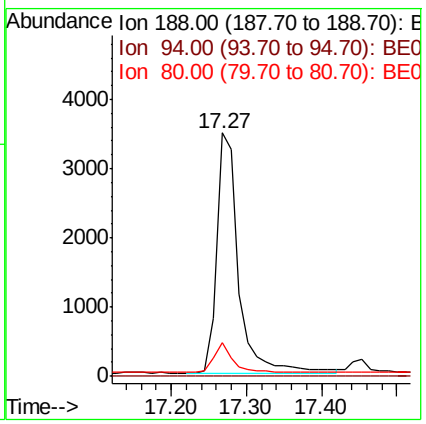
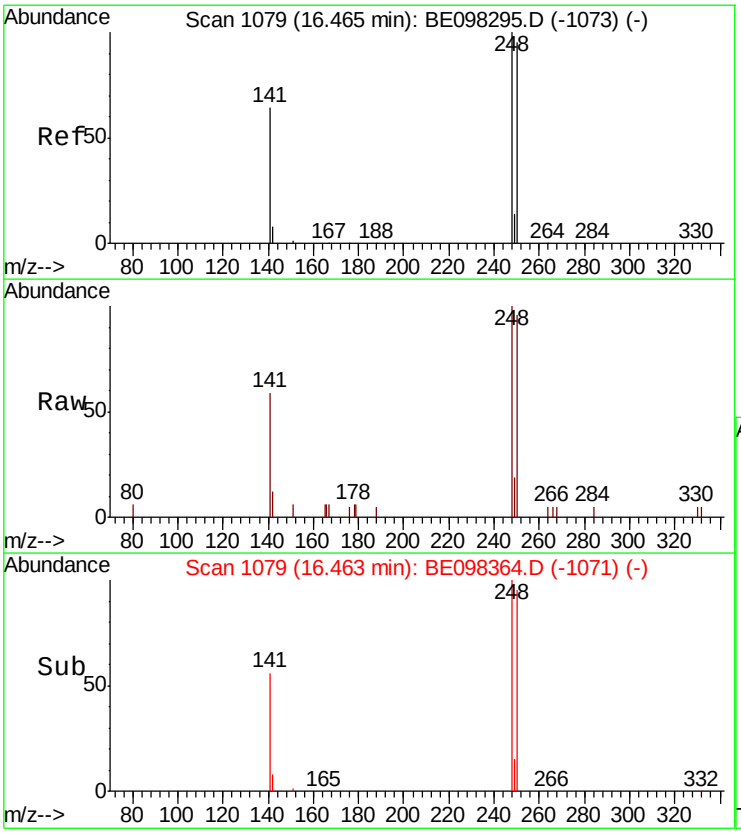
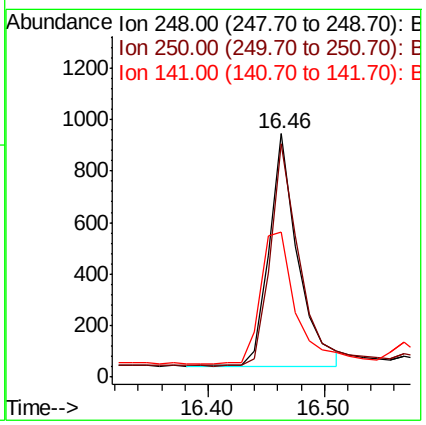


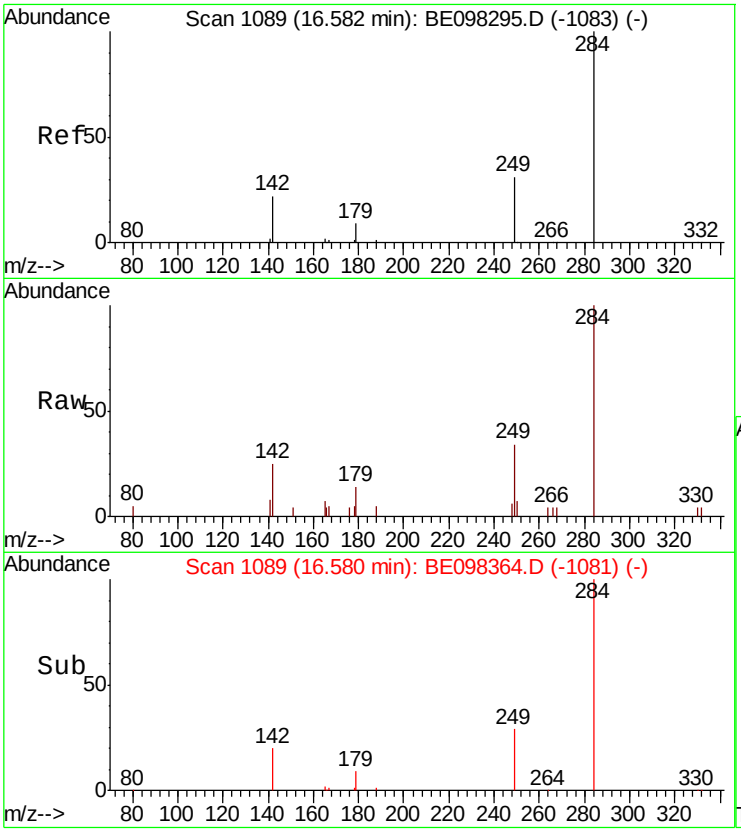


#20
4-Bromophenyl-phenylether
Concen: 0.406 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:248 Resp: 1535

Ion	Ratio	Lower	Upper
248	100		
250	95.7	71.0	106.6
141	59.4	62.1	93.1#

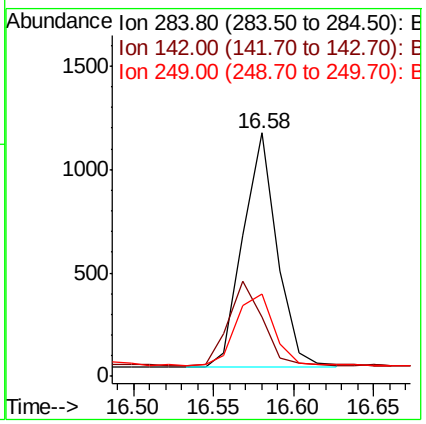




#21
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:284 Resp: 1677

Ion	Ratio	Lower	Upper
284	100		
142	36.6	26.3	39.5
249	34.0	26.0	39.0



Instrument :
BNA_E
ClientSampleId :
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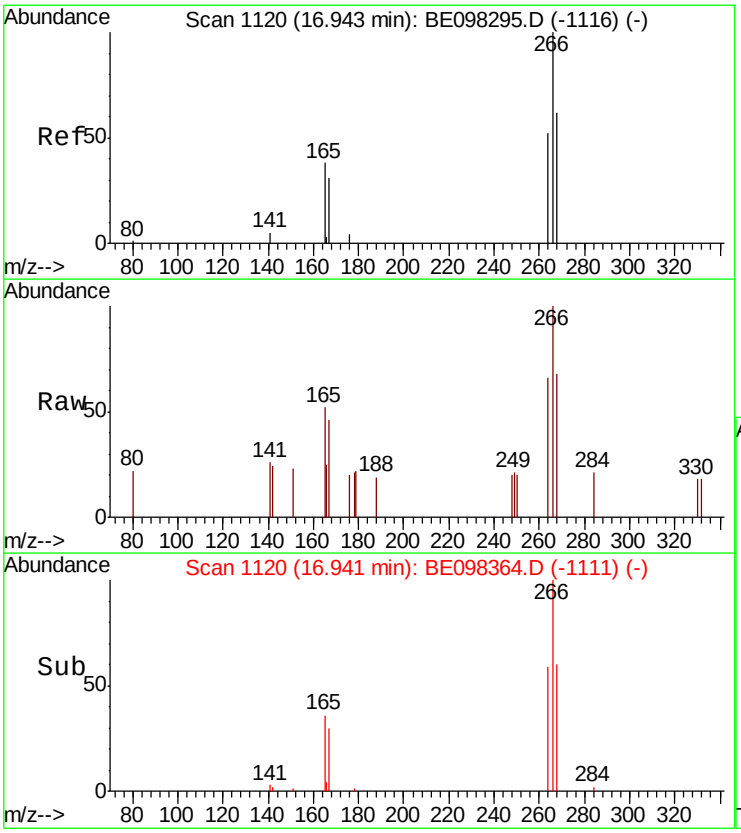
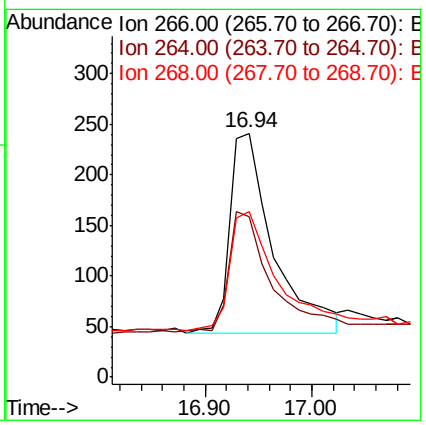
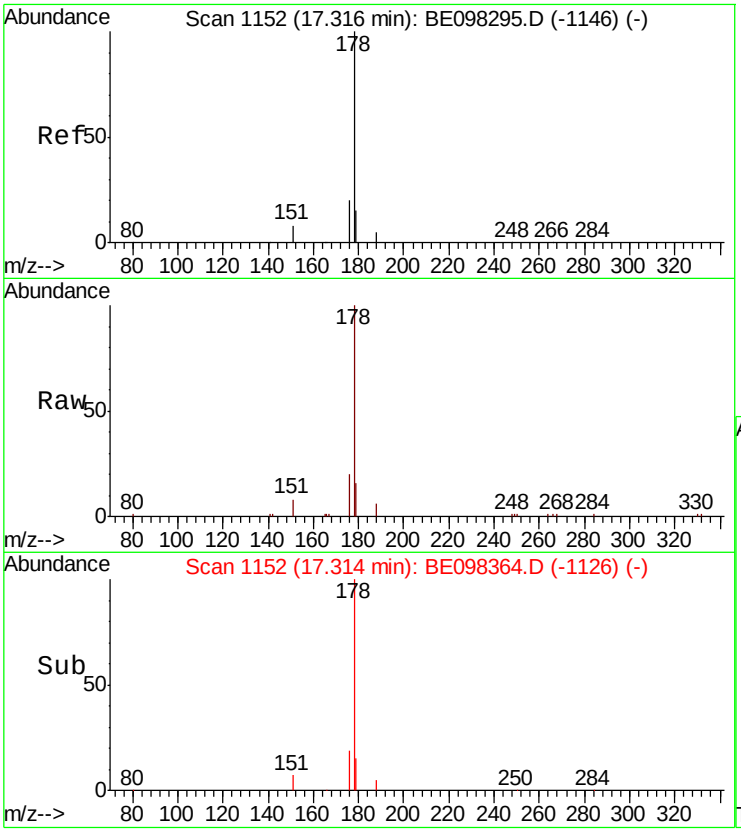


#22
Pentachlorophenol
Concen: 0.753 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:266 Resp: 553

Ion	Ratio	Lower	Upper
266	100		
264	66.0	59.0	88.4
268	68.0	55.1	82.7

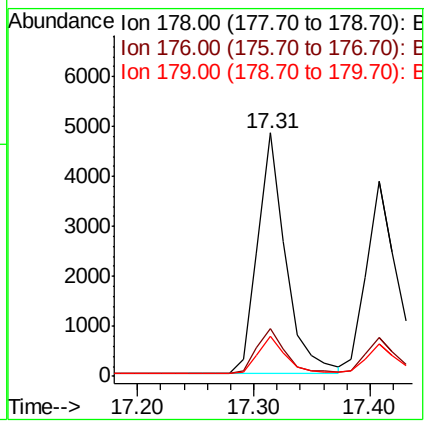




#23
Phenanthrene
Concen: 0.479 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:178 Resp: 8173

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.5	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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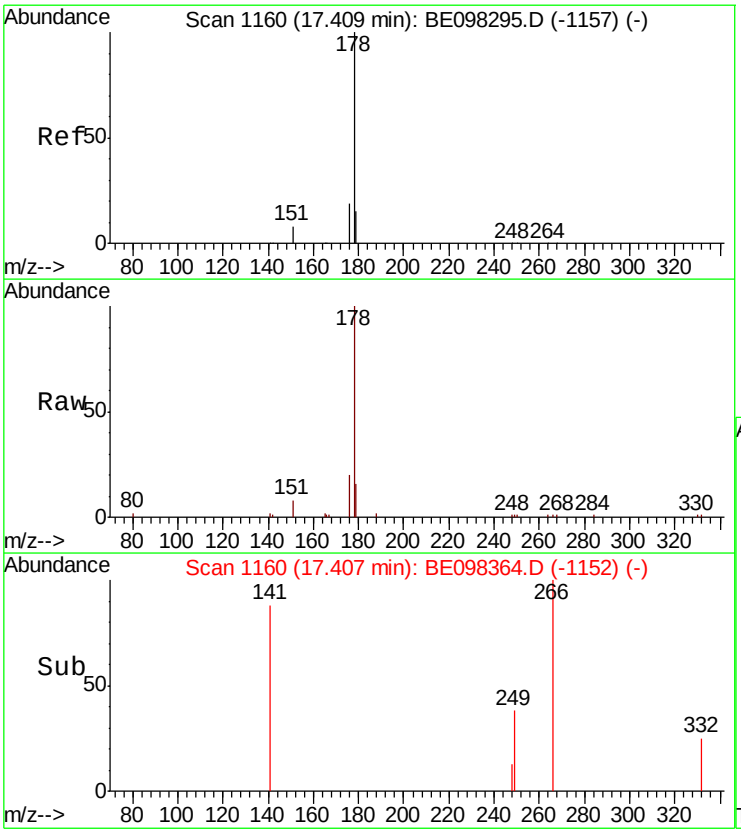
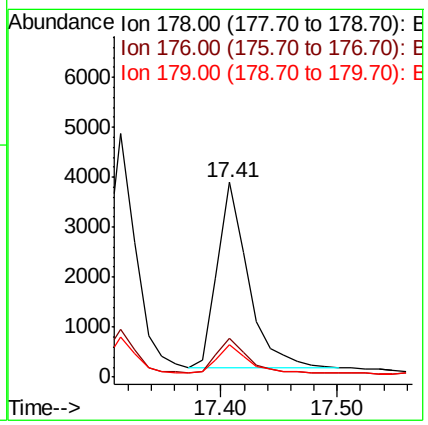
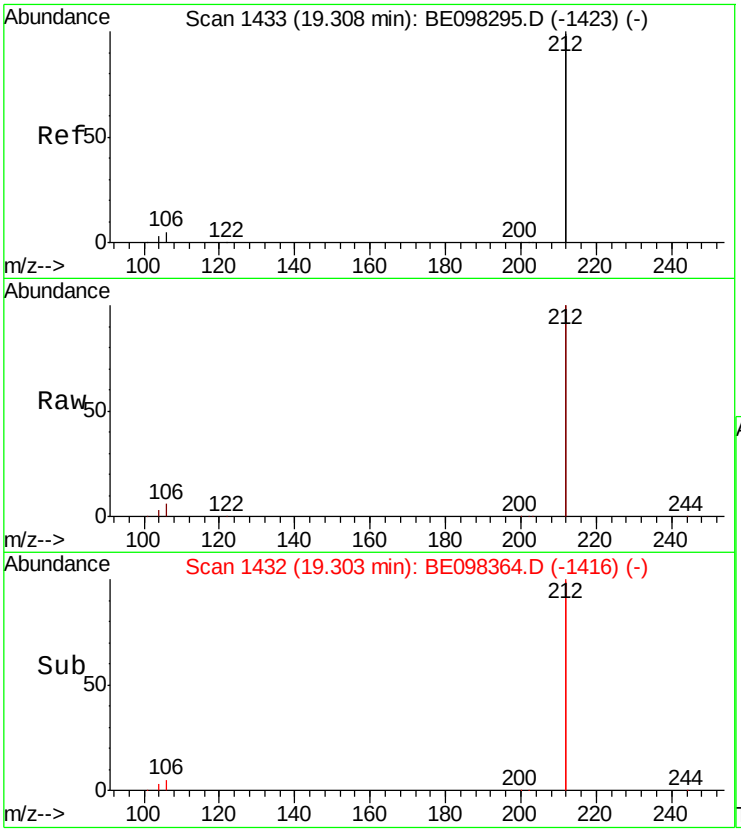


#24
Anthracene
Concen: 0.444 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:178 Resp: 6762

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.4	12.3	18.5

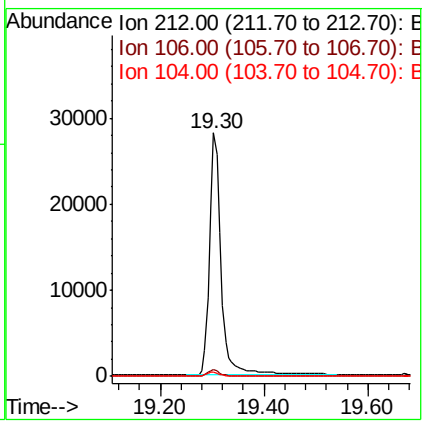




#25
Fluoranthene-d10
Concen: 0.484 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:212 Resp: 43656

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.4	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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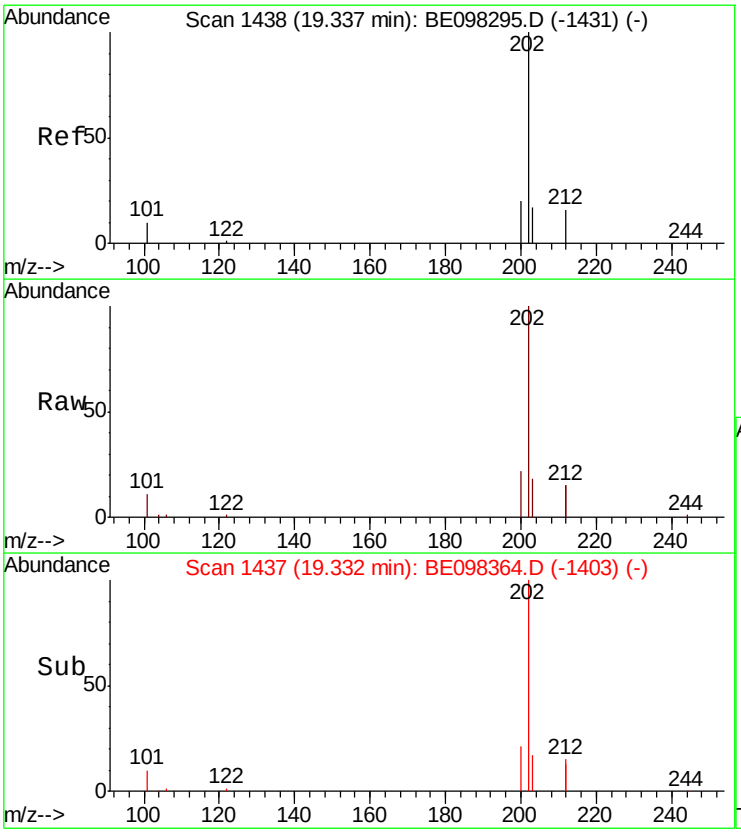
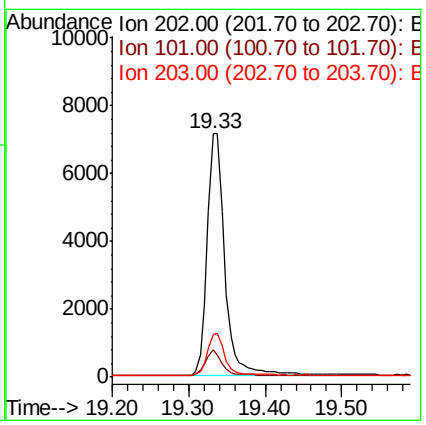
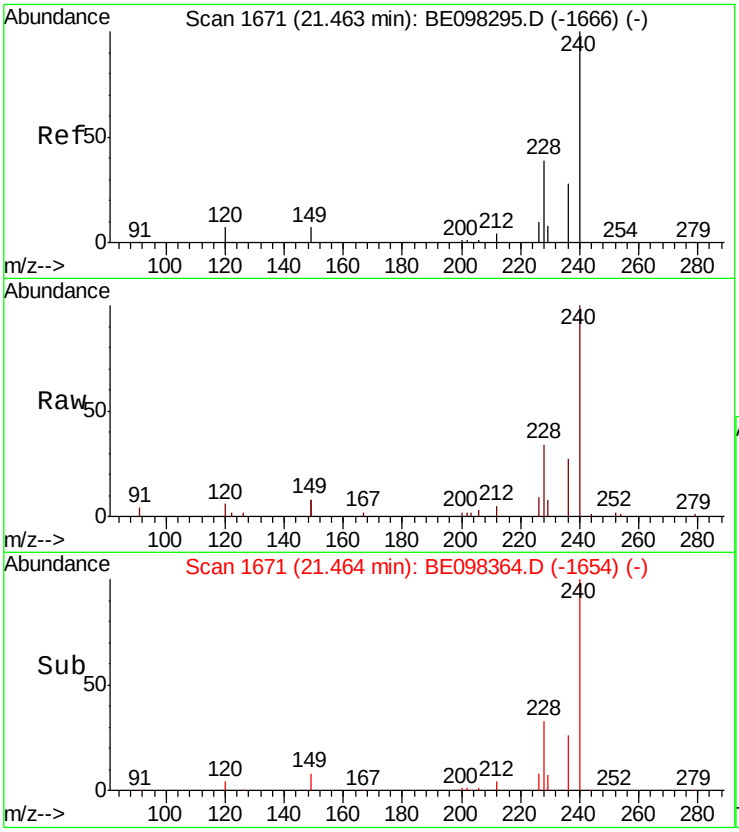


#26
Fluoranthene
Concen: 0.504 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:202 Resp: 11393

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.0	12.0
203	16.6	13.8	20.6





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:240 Resp: 8961

Ion	Ratio	Lower	Upper
240	100		
120	6.3	9.5	14.3#
236	27.1	22.7	34.1

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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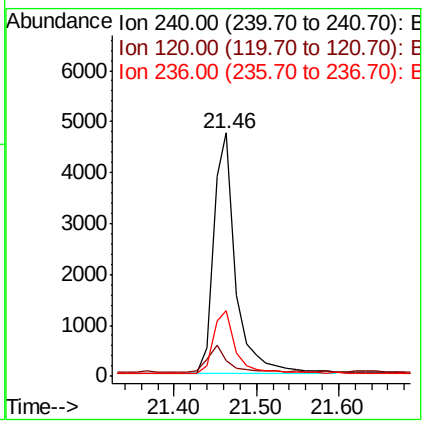
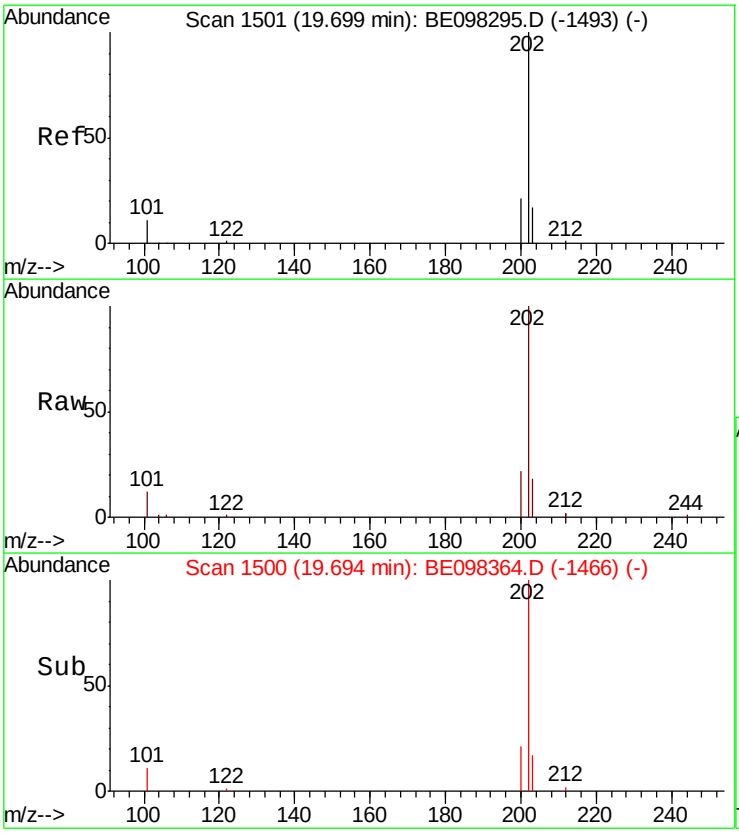
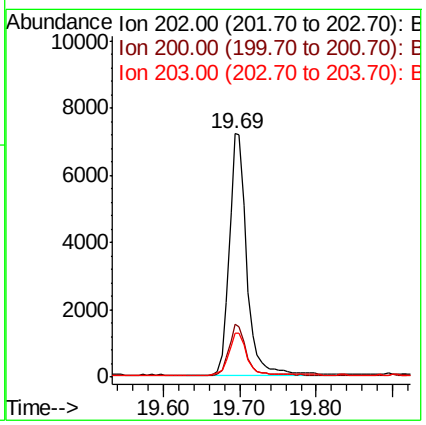


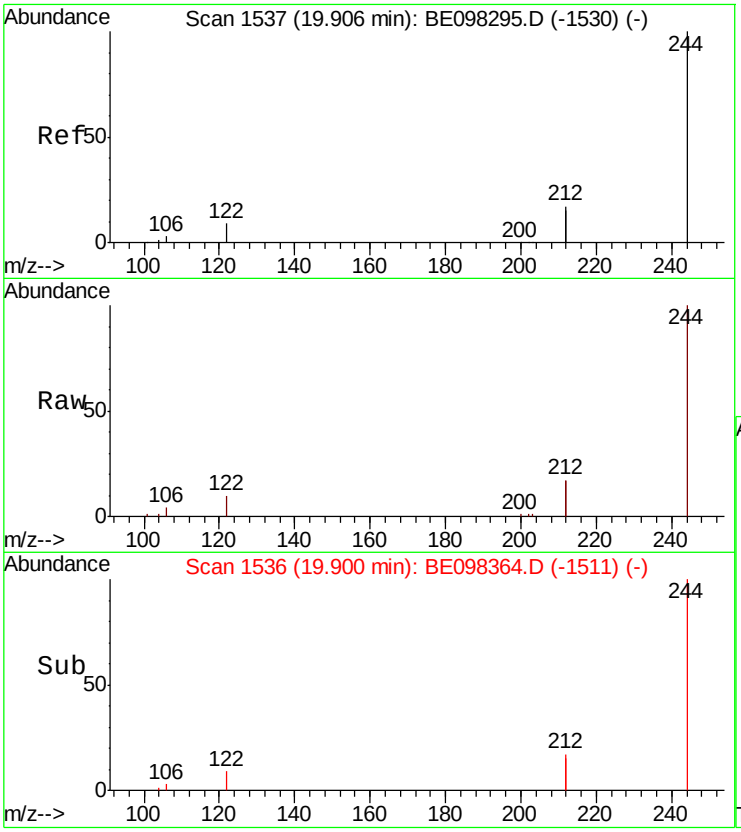


#28
Pyrene
Concen: 0.411 ng
RT: 19.69 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:202 Resp: 11547

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.1	14.1	21.1

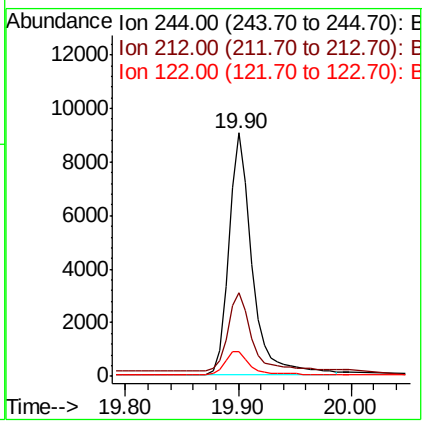




#29
Terphenyl-d14
Concen: 0.607 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:244 Resp: 13208

Ion	Ratio	Lower	Upper
244	100		
212	34.5	27.4	41.0
122	9.9	8.3	12.5



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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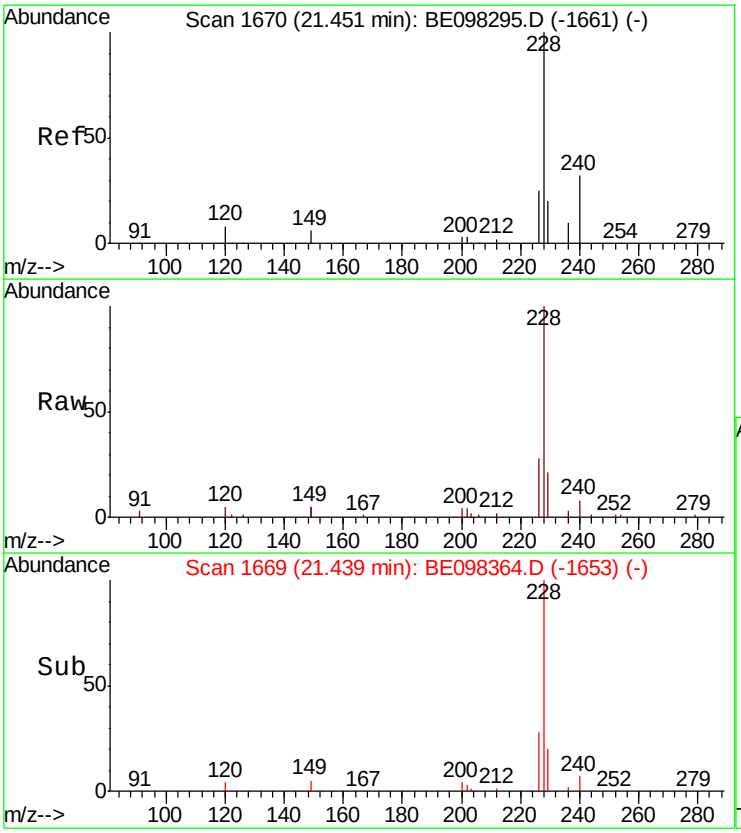
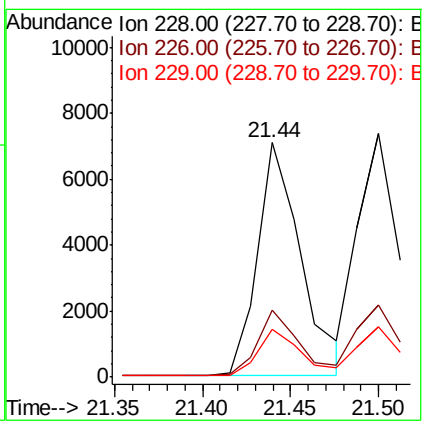
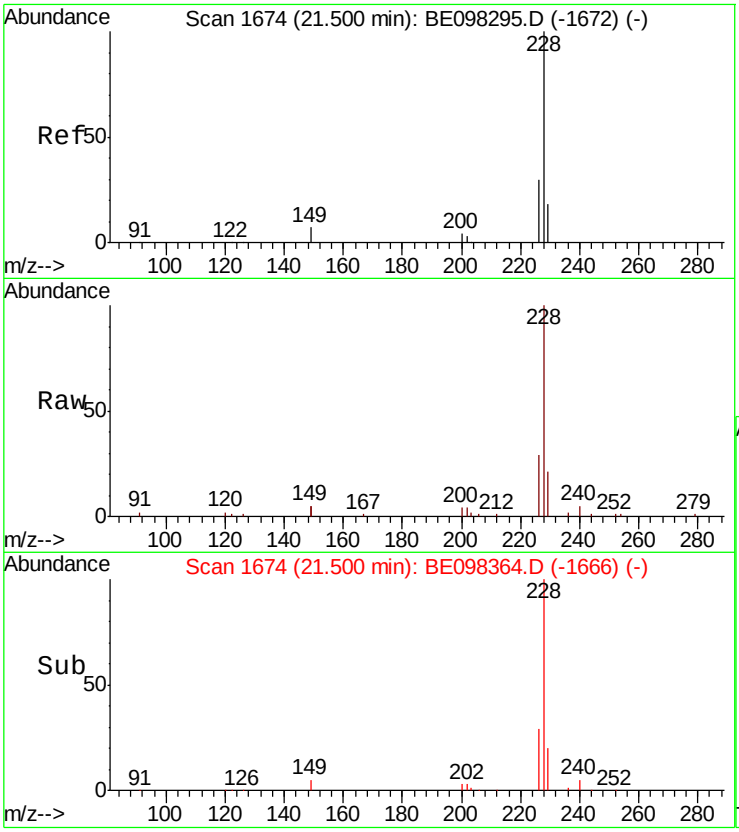


#30
Benzo(a)anthracene
Concen: 0.471 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:228 Resp: 12025

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.6	16.3	24.5

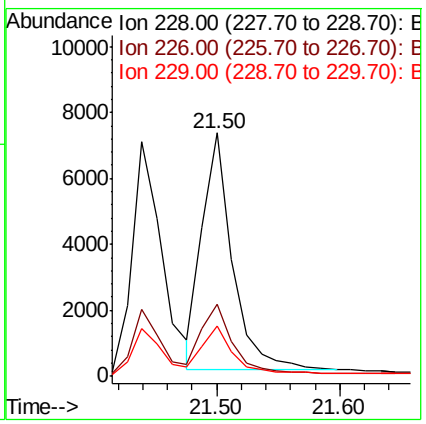




#31
Chrysene
Concen: 0.456 ng
RT: 21.50 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:228 Resp: 12180

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.0
229	20.6	16.2	24.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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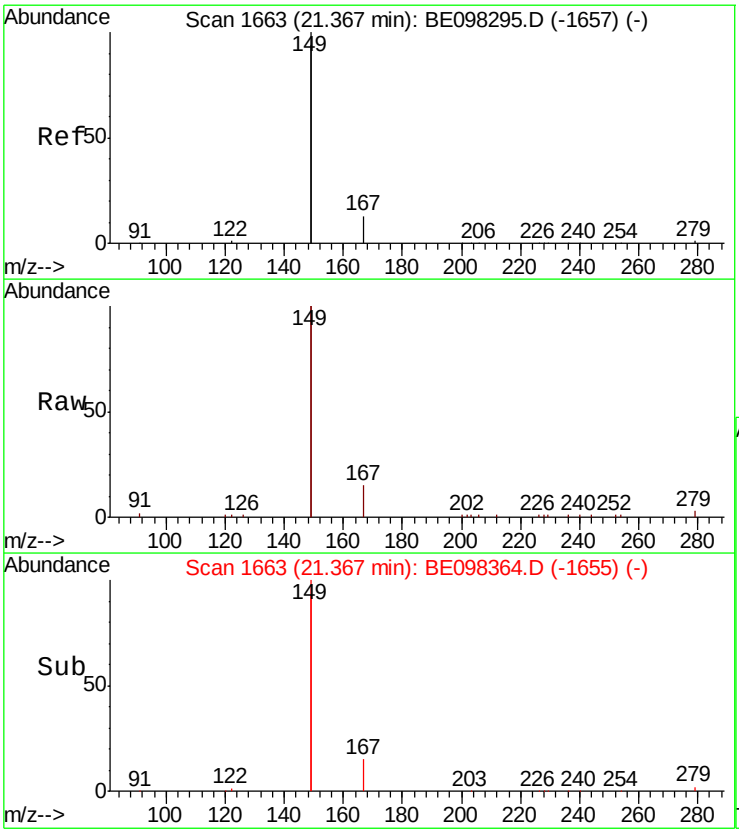
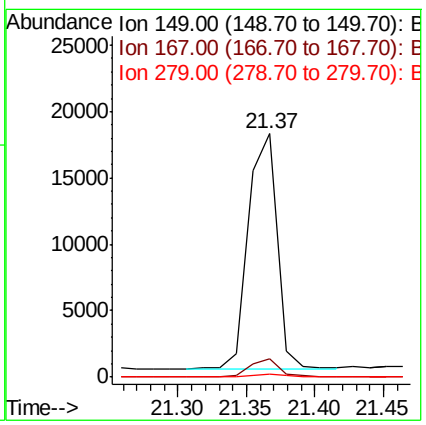
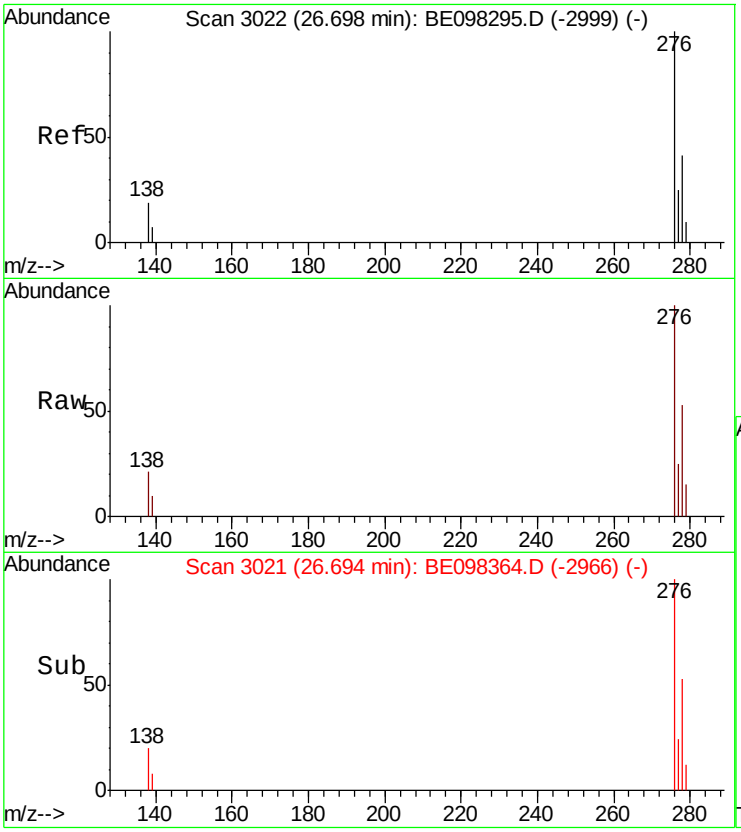


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.496 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:149 Resp: 25697

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.7	8.5
279	1.0	1.0	1.4

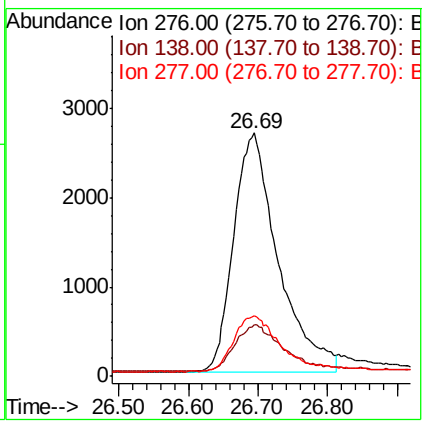




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.446 ng
RT: 26.69 min Scan# 3021
Delta R.T. -0.00 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:276 Resp: 11855

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.3	24.5
277	24.8	20.2	30.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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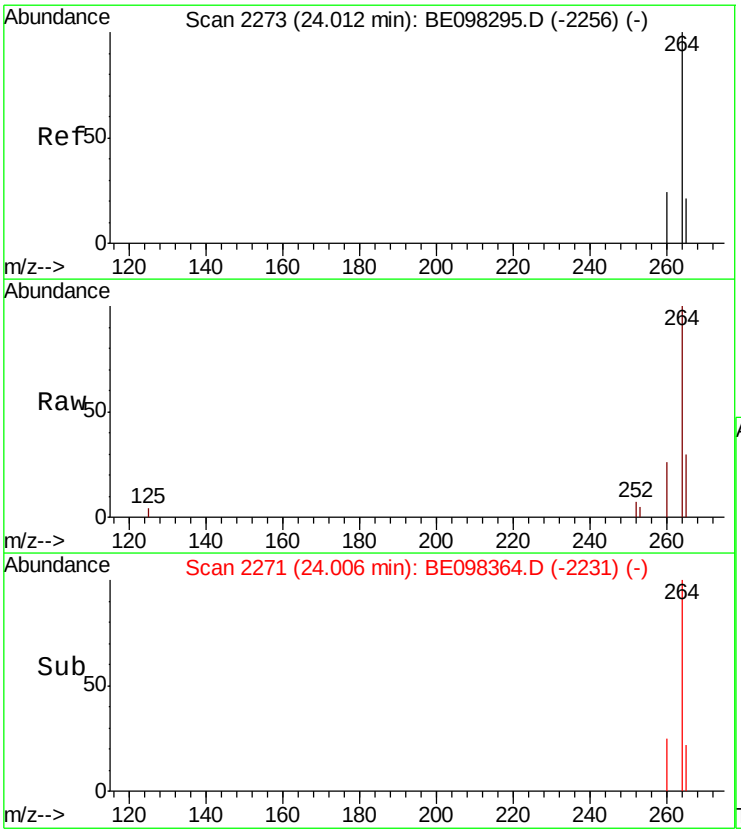
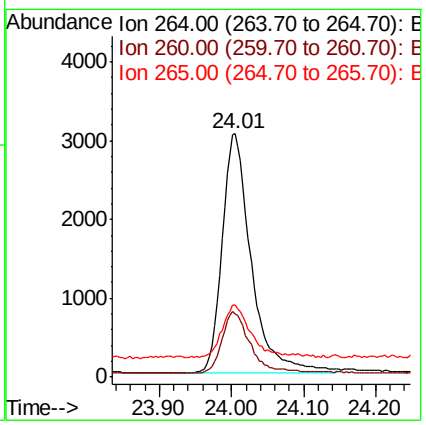
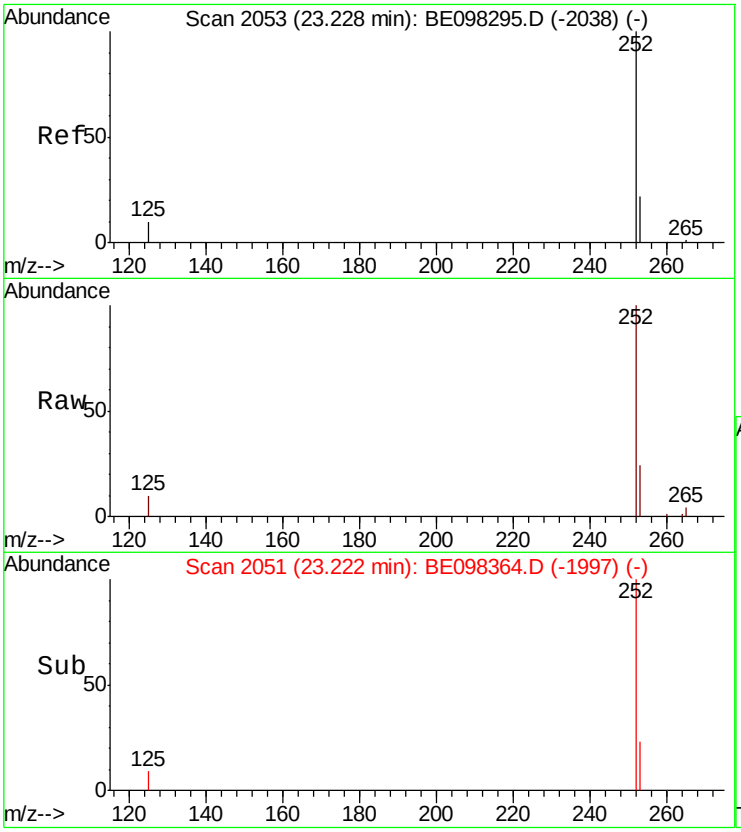


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:264 Resp: 8362

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.2
265	29.5	25.2	37.8

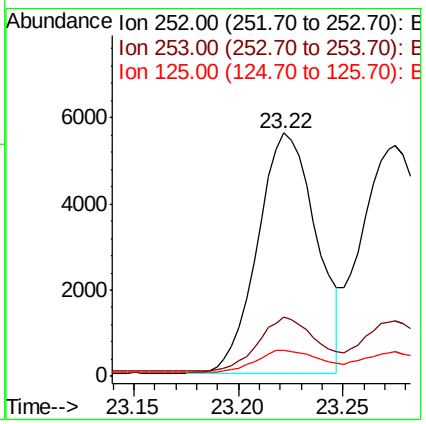




#35
Benzo(b)fluoranthene
Concen: 0.475 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:252 Resp: 10870

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.0	30.0
125	10.5	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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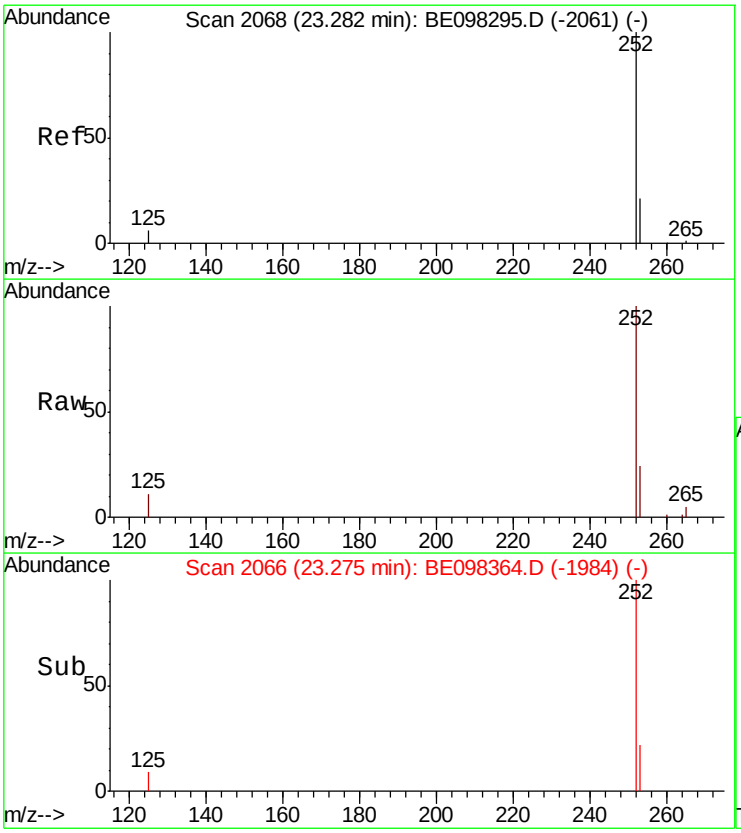
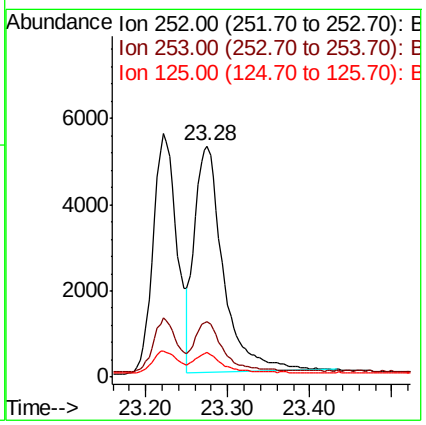
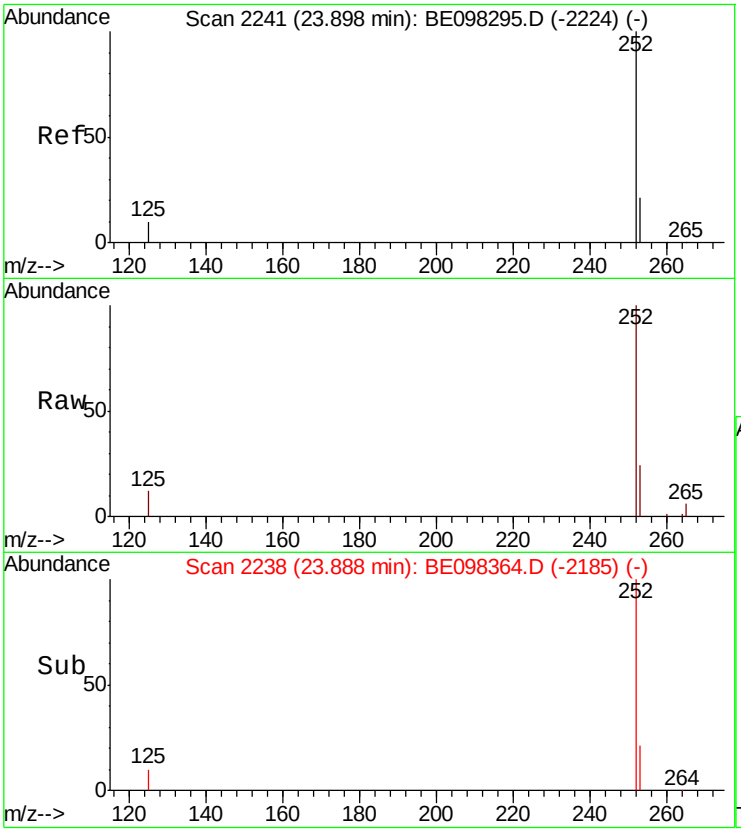


#36
Benzo(k)fluoranthene
Concen: 0.482 ng
RT: 23.28 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:252 Resp: 12844

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	10.6	9.1	13.7





#37
Benzo(a)pyrene
Concen: 0.475 ng
RT: 23.89 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:252 Resp: 11216

Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.6	30.8
125	11.7	10.5	15.7

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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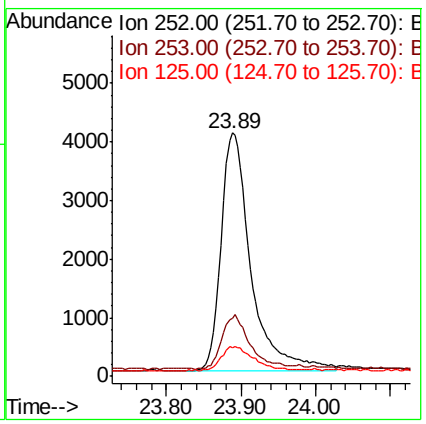
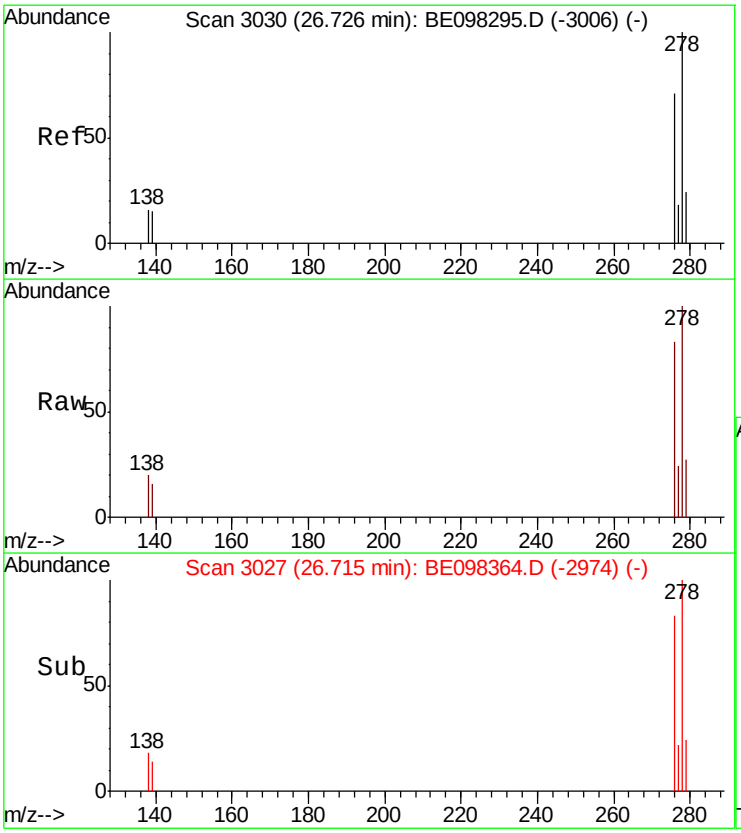
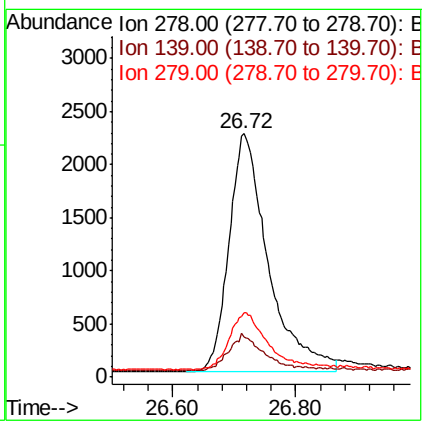


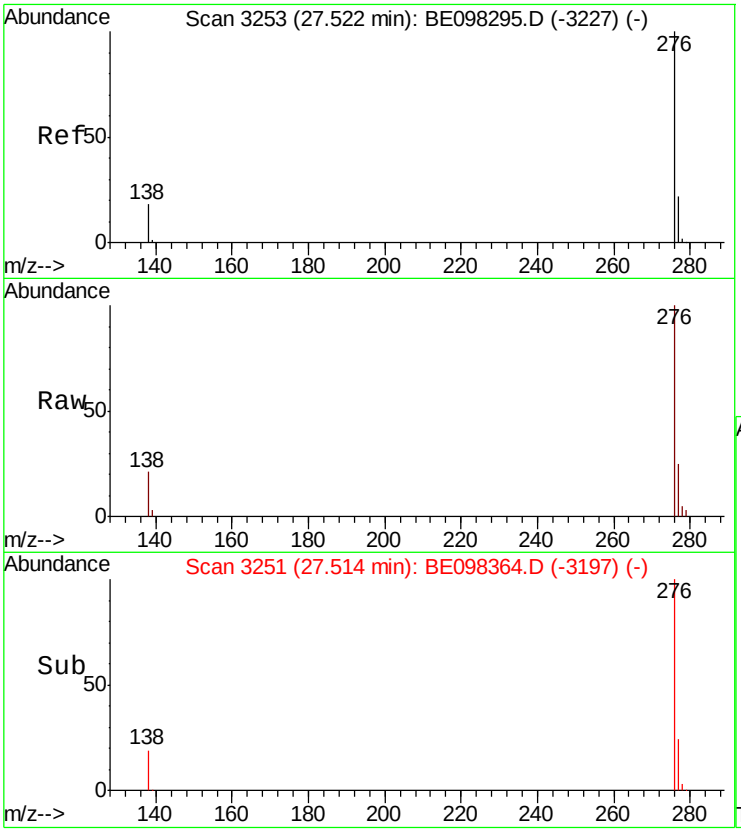


#38
Dibenzo(a,h)anthracene
Concen: 0.449 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:278 Resp: 9985

Ion	Ratio	Lower	Upper
278	100		
139	16.3	14.5	21.7
279	26.5	21.8	32.8

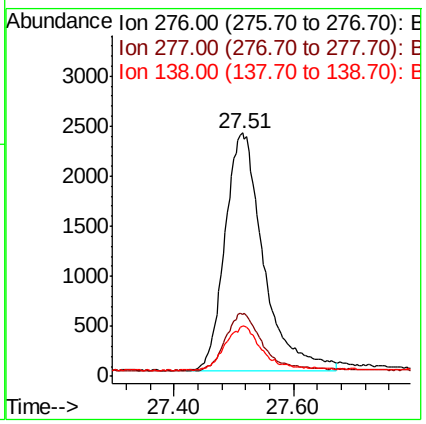




#39
Benzo(g,h,i)perylene
Concen: 0.473 ng
RT: 27.51 min Scan# 3251
Delta R.T. -0.01 min
Lab File: BE098364.D
Acq: 12 Dec 2018 16:56

Tgt Ion:276 Resp: 10583

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.8	31.2
138	20.7	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW303I2-20181207MS

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Sohil
12/19/2018 3:43:59 PM