Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE022019\
Data File : BE098739.D
Acq On : 20 Feb 2019 13:42
Operator : JU/SJ
Sample : K1528-05MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : MW-1MS

Quant Time: Feb 20 14:25:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	1172	0.40	ng		# 0.00
7) Naphthalene-d8	10.602	136	4433	0.40	ng		# 0.00
13) Acenaphthene-d10	14.471	164	2630	0.40	ng		0.00
19) Phenanthrene-d10	17.214	188	5925	0.40	ng		#-0.01
27) Chrysene-d12	21.403	240	6997	0.40	ng		#-0.01
34) Perylene-d12	23.913	264	7050	0.40	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.397	112	4418	1.28	ng		0.00
5) Phenol-d6	7.044	99	5028	0.99	ng		0.04
8) Nitrobenzene-d5	8.965	82	1859	0.42	ng		-0.01
11) 2-Methylnaphthalene-d10	12.195	152	3311	0.39	ng		-0.01
14) 2,4,6-Tribromophenol	15.969	330	631	0.54	ng		-0.01
15) 2-Fluorobiphenyl	13.088	172	4092	0.36	ng		-0.01
25) Fluoranthene-d10	19.253	212	34465	0.41	ng		0.00
29) Terphenyl-d14	19.851	244	10384	0.59	ng		0.00
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.681	42	4427	1.43	ng	#	13
6) bis(2-Chloroethyl)ether	7.194	93	23372	6.74	ng	#	1
9) Naphthalene	10.667	128	21786517	428.89	ng		100
10) Hexachlorobutadiene	10.926	225	1114	0.33	ng		96
12) 2-Methylnaphthalene	12.282	142	878782	104.18	ng		98
16) Acenaphthylene	14.183	152	5362	0.40	ng	#	88
17) Acenaphthene	14.529	154	3427	0.43	ng		95
18) Fluorene	15.514	166	5156	0.47	ng	#	97
20) 4-Bromophenyl-phenylether	16.411	248	1358	0.39	ng		91
21) Hexachlorobenzene	16.531	284	1355	0.33	ng		95
22) Pentachlorophenol	16.879	266	1779	1.69	ng		91
23) Phenanthrene	17.254	178	7557	0.46	ng		96
24) Anthracene	17.348	178	6149	0.44	ng		97
26) Fluoranthene	19.282	202	7882	0.38	ng		96
28) Pyrene	19.644	202	8193	0.37	ng		96
30) Benzo(a)anthracene	21.391	228	8615	0.41	ng	#	89
31) Chrysene	21.439	228	8267	0.36	ng	#	87
32) Bis(2-ethylhexyl)phtha...	21.306	149	28190	0.72	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.551	276	7793	0.33	ng		98
35) Benzo(b)fluoranthene	23.143	252	7967	0.35	ng	#	82
36) Benzo(k)fluoranthene	23.193	252	7531	0.31	ng	#	82
37) Benzo(a)pyrene	23.802	252	7364	0.34	ng	#	86
38) Dibenzo(a,h)anthracene	26.587	278	6392	0.32	ng		96
39) Benzo(g,h,i)perylene	27.368	276	6973	0.31	ng		94

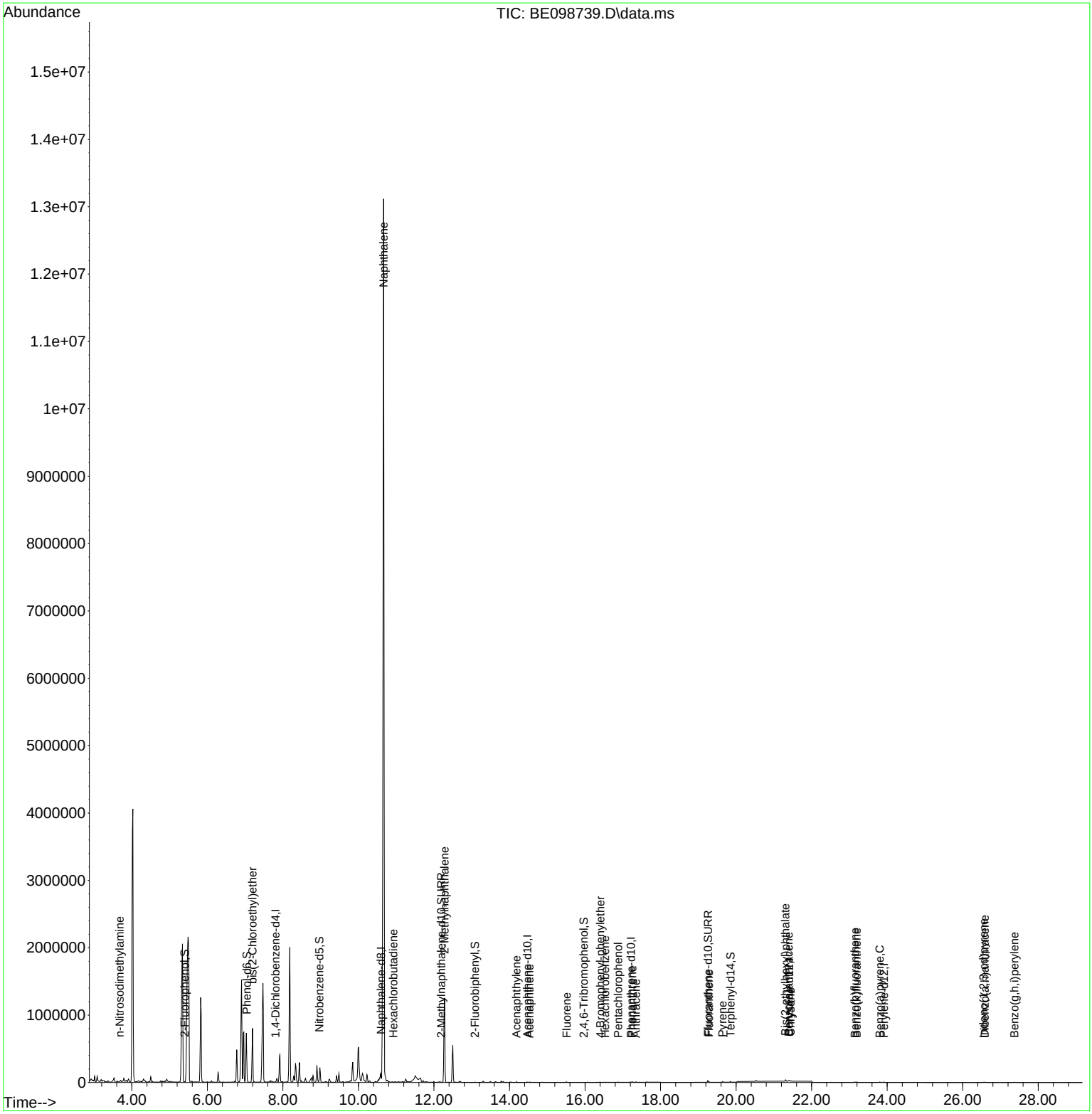
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

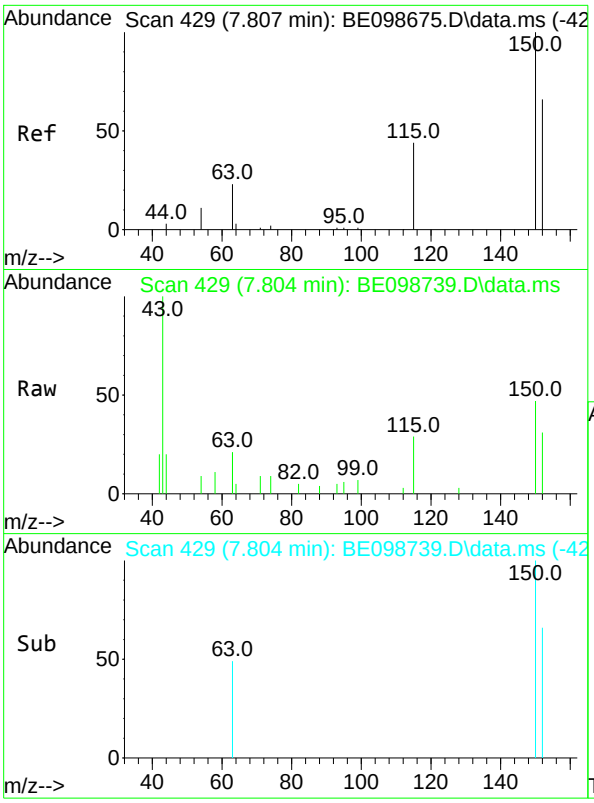
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE022019\
Data File : BE098739.D
Acq On : 20 Feb 2019 13:42
Operator : JU/SJ
Sample : K1528-05MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-1MS

Quant Time: Feb 20 14:25:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration



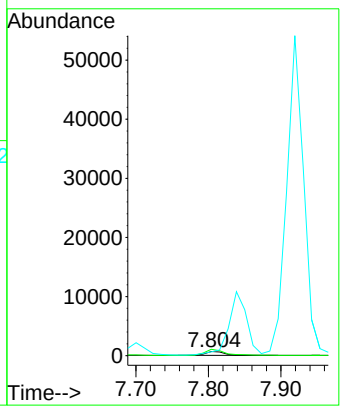
Instrument :
BNA_E
ClientSampleId :
MW-1MS

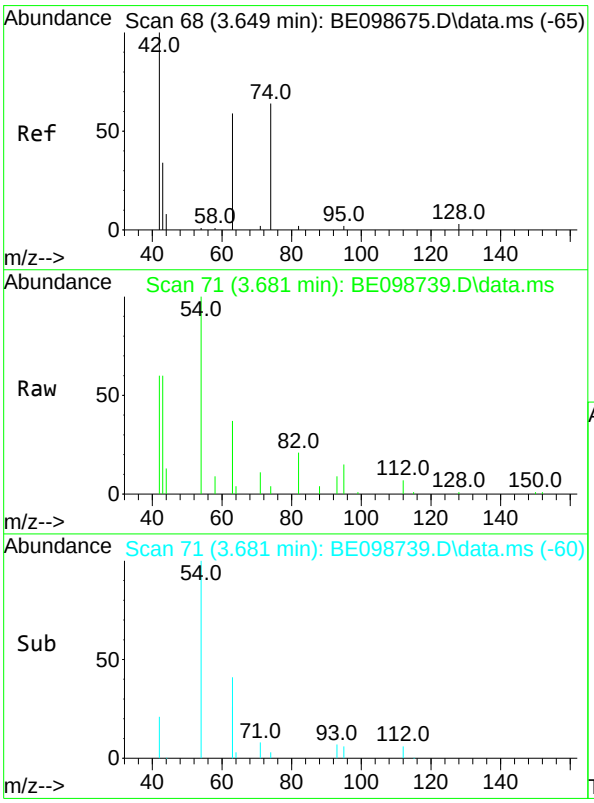


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.804 min Scan# 429
Delta R.T. -0.003 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:152 Resp: 1172

Ion	Ratio	Lower	Upper
152	100		
150	152.3	121.4	182.2
115	93.9	59.1	88.7#

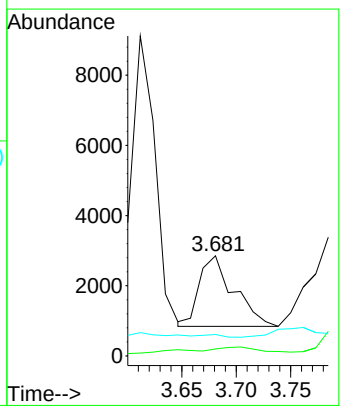




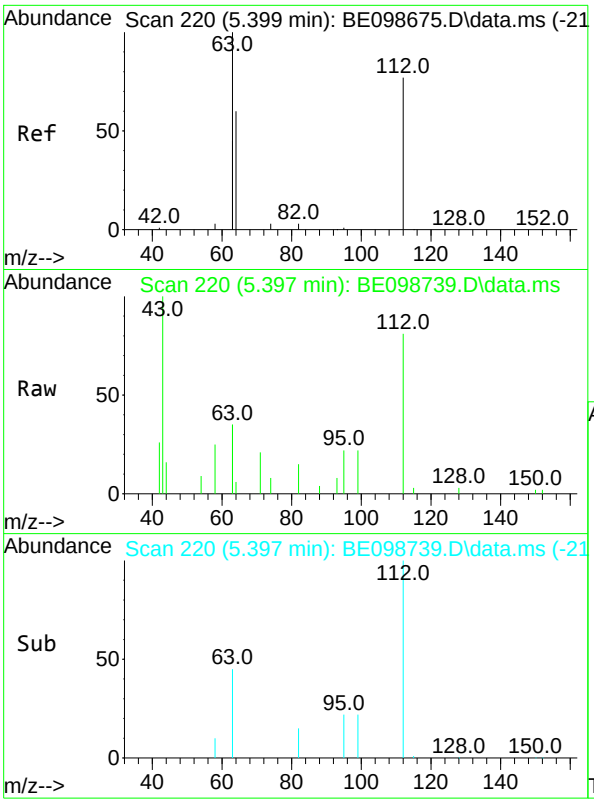
#3
n-Nitrosodimethylamine
Concen: 1.43 ng
RT: 3.681 min Scan# 71
Delta R.T. 0.032 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion: 42 Resp: 4427

Ion	Ratio	Lower	Upper
42	100		
74	0.0	58.9	88.3#
44	0.0	0.0	0.0



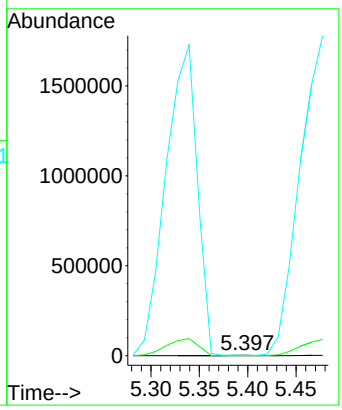
Instrument :
BNA_E
ClientSampleId :
MW-1MS

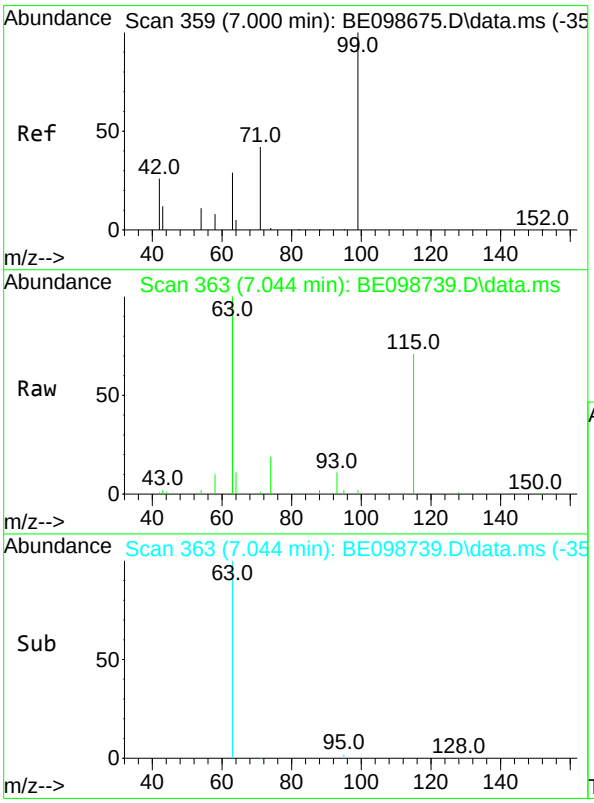


#4
2-Fluorophenol
Concen: 1.28 ng
RT: 5.397 min Scan# 220
Delta R.T. -0.002 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:112 Resp: 4418

Ion	Ratio	Lower	Upper
112	100		
64	0.0	62.9	94.3#
63	0.0	152.2	228.4#

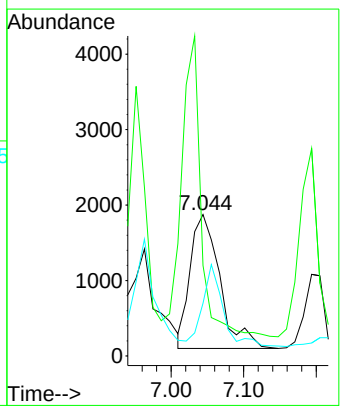




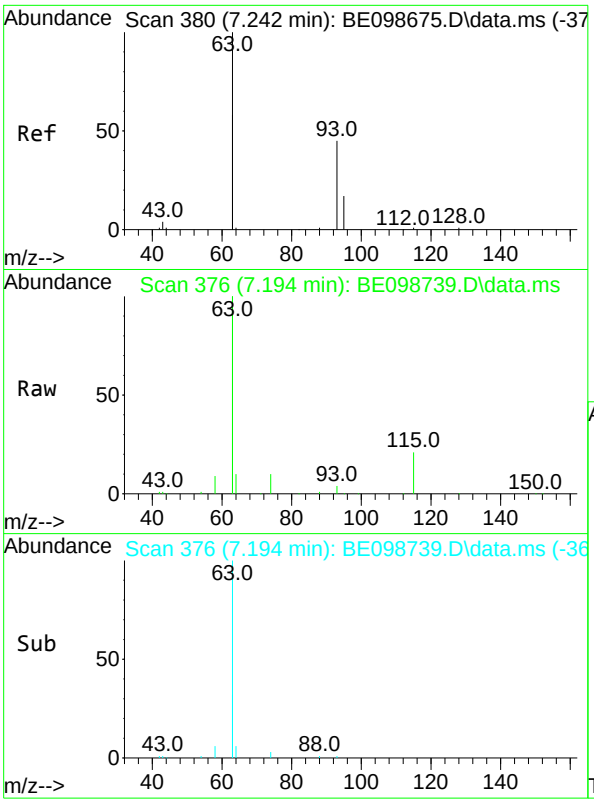
#5
Phenol-d6
Concen: 0.99 ng
RT: 7.044 min Scan# 363
Delta R.T. 0.044 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion: 99 Resp: 5028

Ion	Ratio	Lower	Upper
99	100		
42	0.0	24.6	37.0#
71	42.3	35.1	52.7



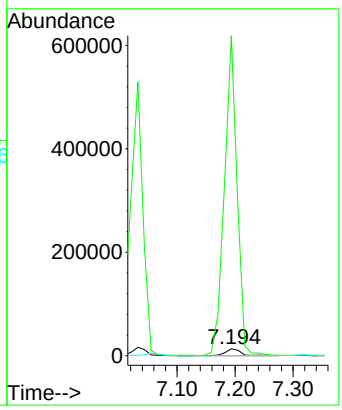
Instrument :
BNA_E
ClientSampleId :
MW-1MS

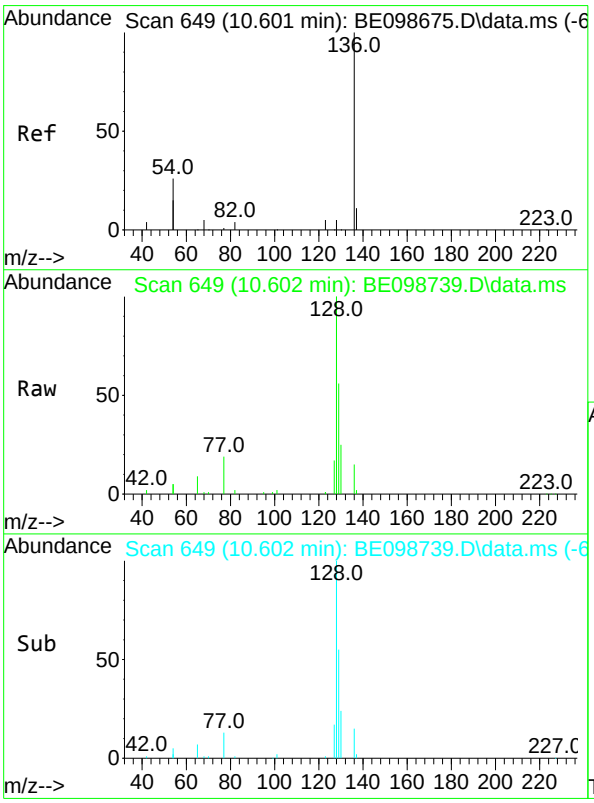


#6
bis(2-Chloroethyl)ether
Concen: 6.74 ng
RT: 7.194 min Scan# 376
Delta R.T. -0.048 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion: 93 Resp: 23372

Ion	Ratio	Lower	Upper
93	100		
63	4015.5	267.3	400.9#
95	0.9	26.2	39.4#

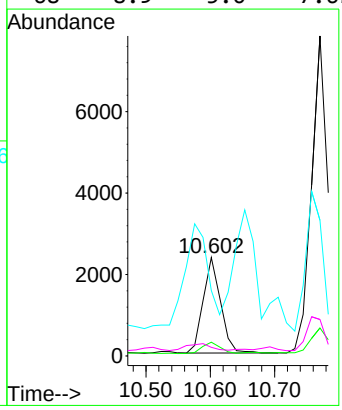




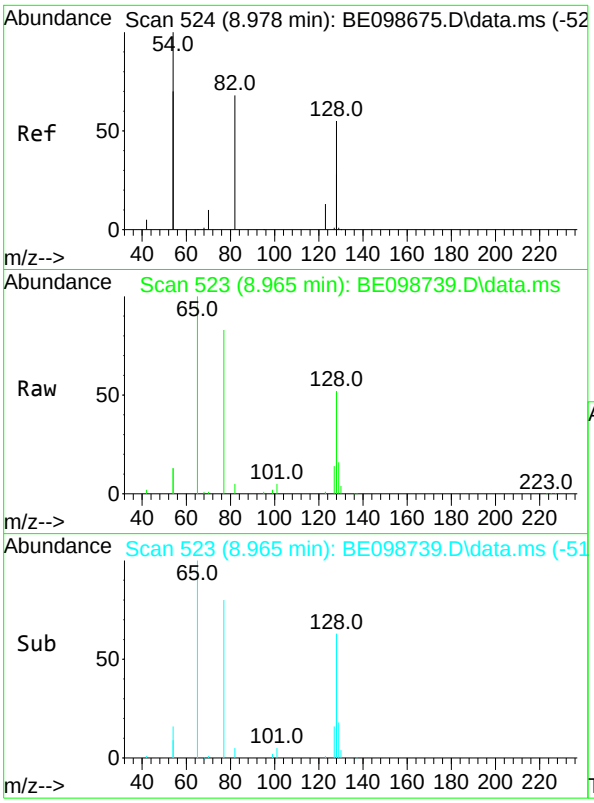
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.602 min Scan# 649
Delta R.T. 0.001 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:136 Resp: 4433

Ion	Ratio	Lower	Upper
136	100		
137	13.9	9.7	14.5
54	66.6	35.5	53.3#
68	8.9	5.0	7.6#



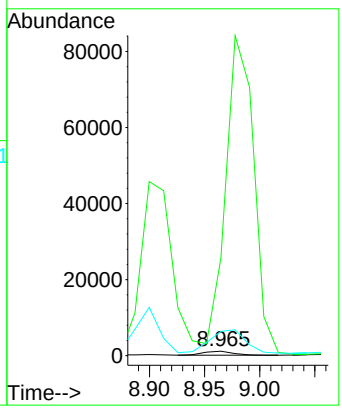
Instrument :
BNA_E
ClientSampleId :
MW-1MS

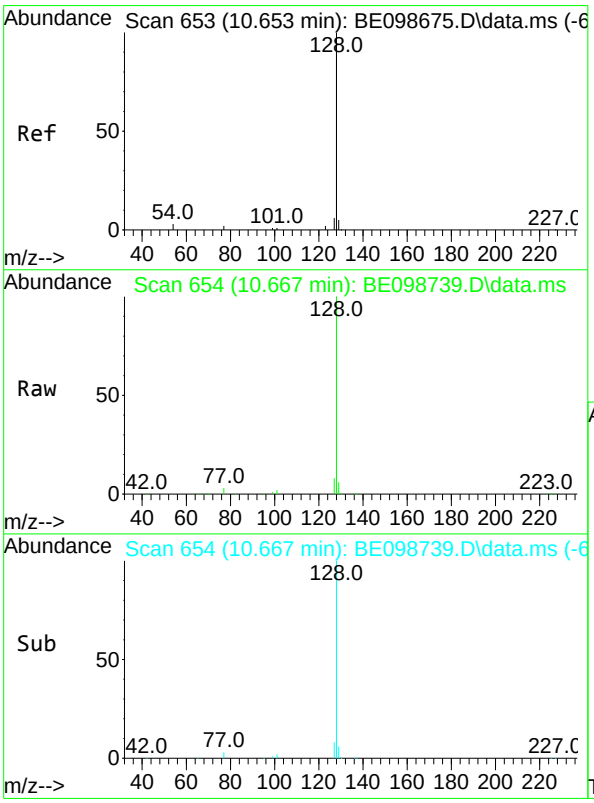


#8
Nitrobenzene-d5
Concen: 0.42 ng
RT: 8.965 min Scan# 523
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion: 82 Resp: 1859

Ion	Ratio	Lower	Upper
82	100		
128	2156.5	96.5	144.7#
54	535.6	224.7	337.1#

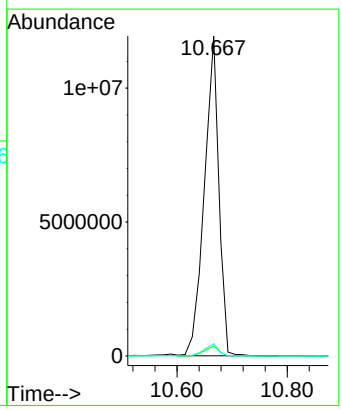


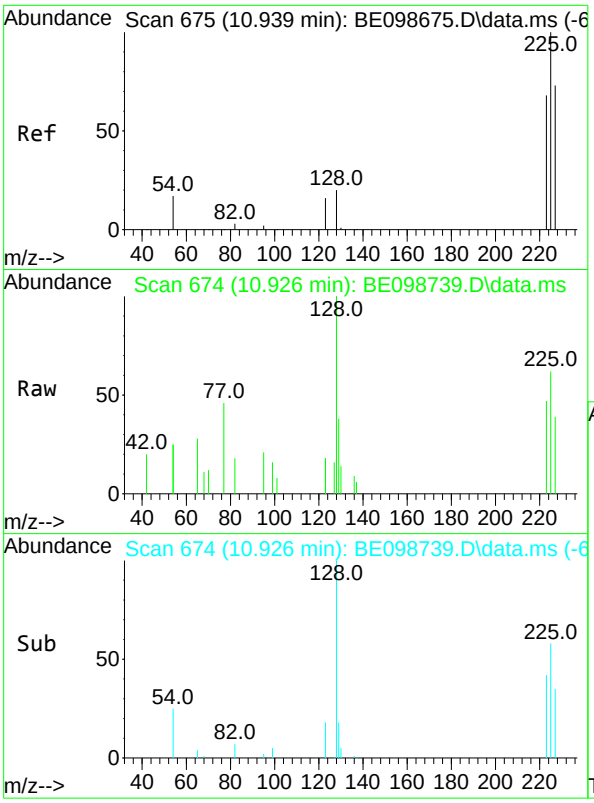


#9
Naphthalene
Concen: 428.89 ng
RT: 10.667 min Scan# 654
Delta R.T. 0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:128 Resp:21786517

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.8	3.0	4.6

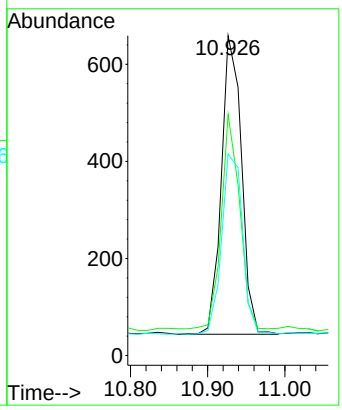




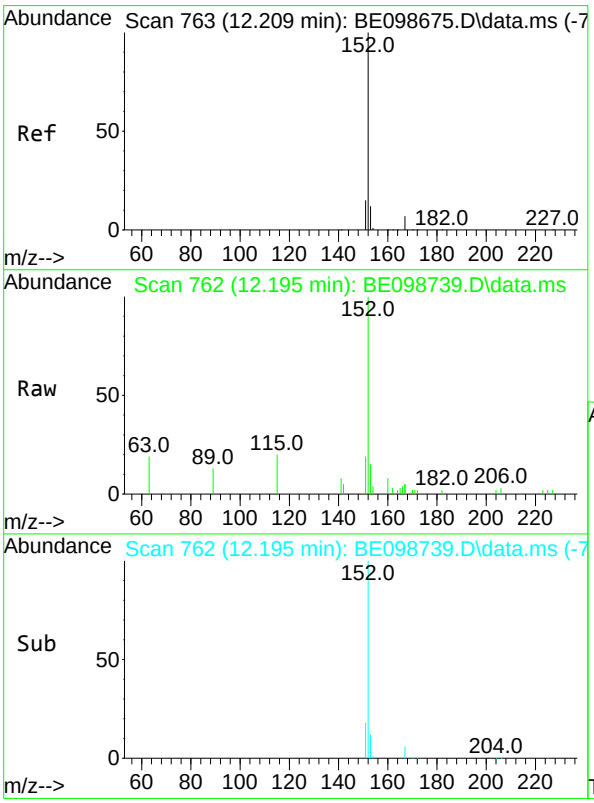
#10
Hexachlorobutadiene
Concen: 0.33 ng
RT: 10.926 min Scan# 674
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:225 Resp: 1114

Ion	Ratio	Lower	Upper
225	100		
223	65.2	47.8	71.8
227	62.9	50.5	75.7



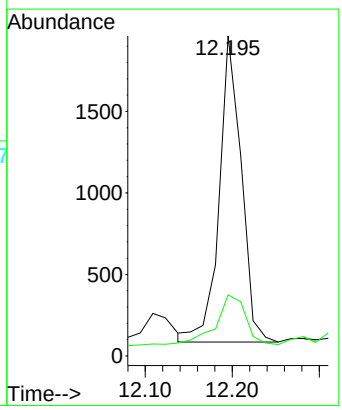
Instrument :
BNA_E
ClientSampleId :
MW-1MS



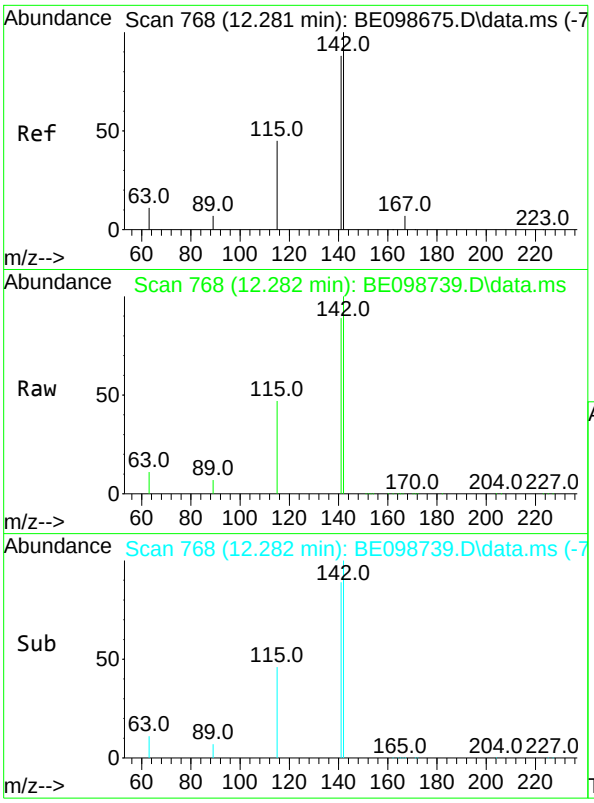
#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 12.195 min Scan# 762
Delta R.T. -0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:152 Resp: 3311

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.2	24.4



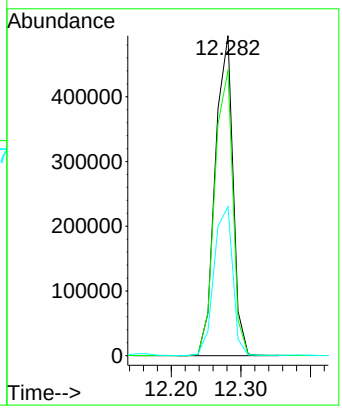
Instrument :
BNA_E
ClientSampleId :
MW-1MS

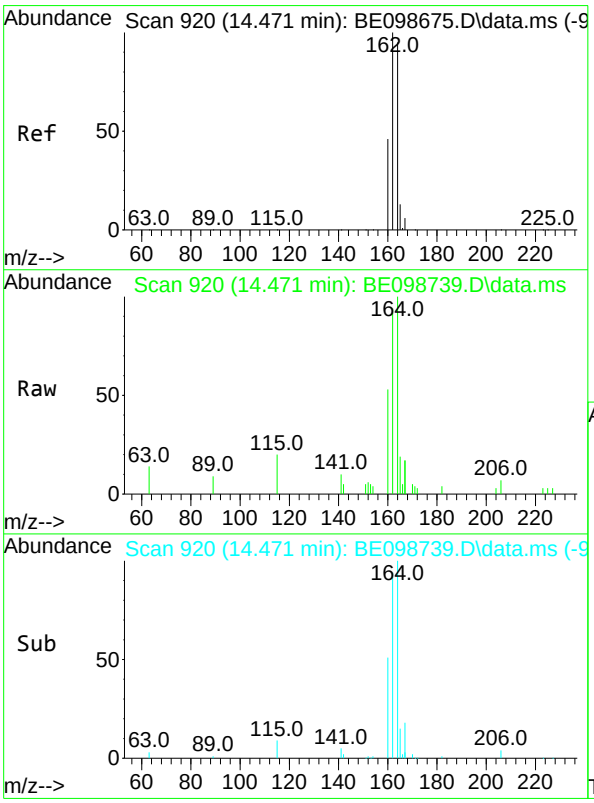


#12
2-Methylnaphthalene
Concen: 104.18 ng
RT: 12.282 min Scan# 768
Delta R.T. 0.001 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:142 Resp: 878782

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.0	105.0
115	46.5	35.2	52.8

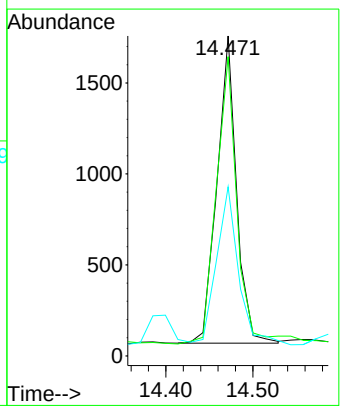




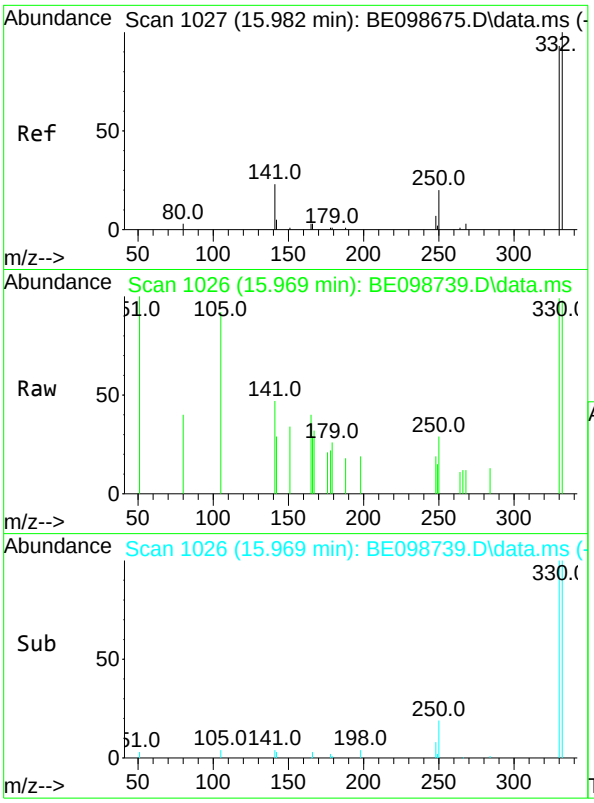
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.471 min Scan# 920
Delta R.T. 0.000 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:164 Resp: 2630

Ion	Ratio	Lower	Upper
164	100		
162	93.6	80.5	120.7
160	52.8	40.1	60.1



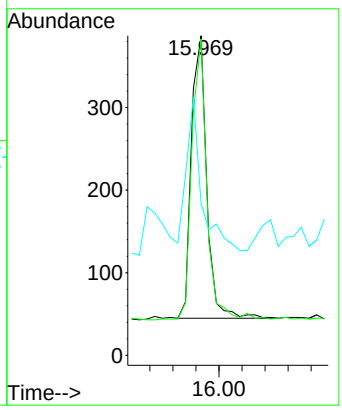
Instrument :
BNA_E
ClientSampleId :
MW-1MS

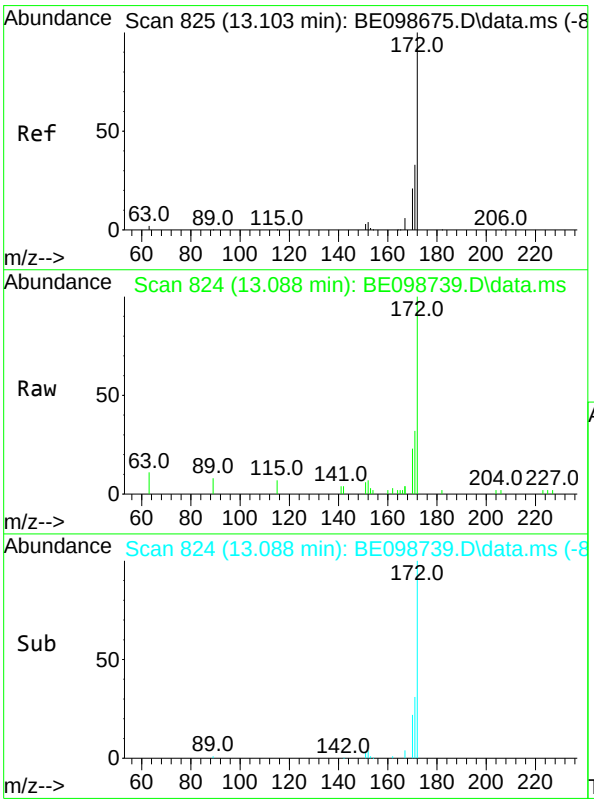


#14
2,4,6-Tribromophenol
Concen: 0.54 ng
RT: 15.969 min Scan# 1026
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:330 Resp: 631

Ion	Ratio	Lower	Upper
330	100		
332	94.8	73.3	109.9
141	52.8	33.1	49.7#

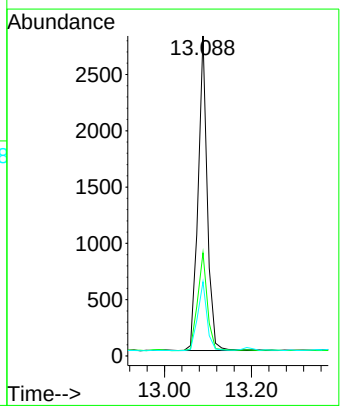




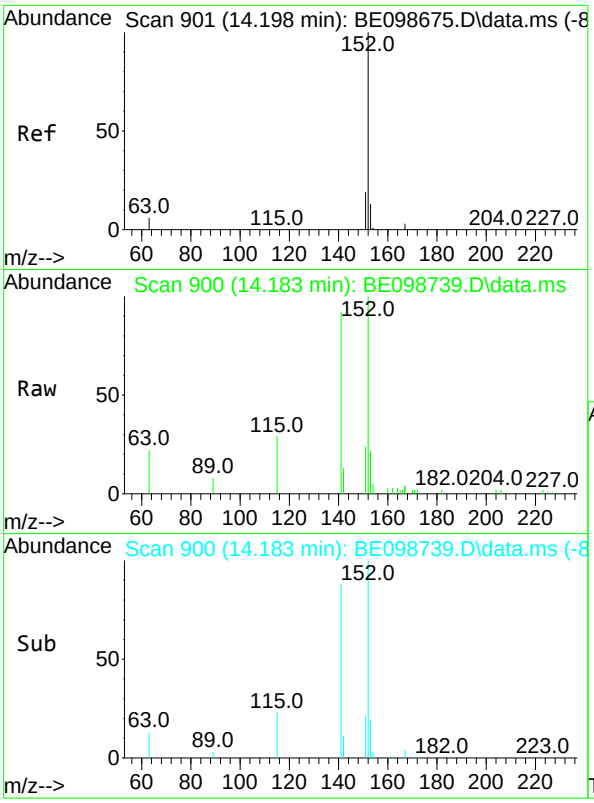
#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.088 min Scan# 824
Delta R.T. -0.015 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:172 Resp: 4092

Ion	Ratio	Lower	Upper
172	100		
171	32.3	29.0	43.4
170	23.2	20.8	31.2



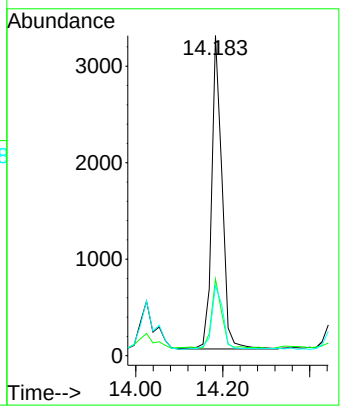
Instrument :
BNA_E
ClientSampleId :
MW-1MS

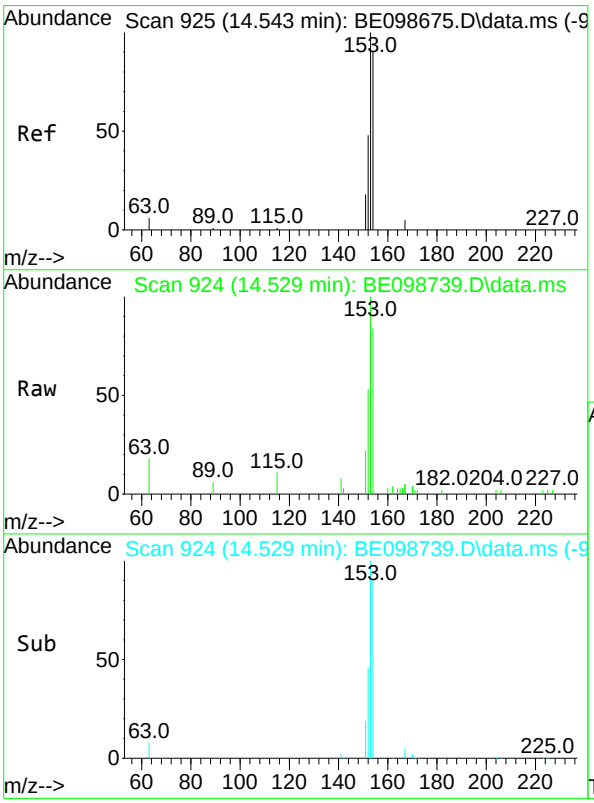


#16
Acenaphthylene
Concen: 0.40 ng
RT: 14.183 min Scan# 900
Delta R.T. -0.015 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:152 Resp: 5362

Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.3	24.5
153	22.3	10.7	16.1#

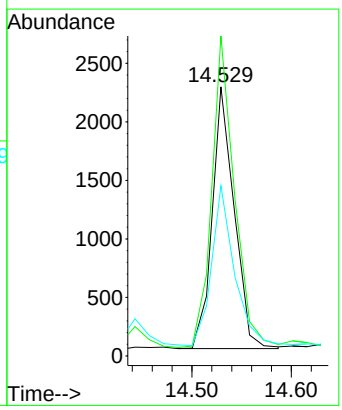


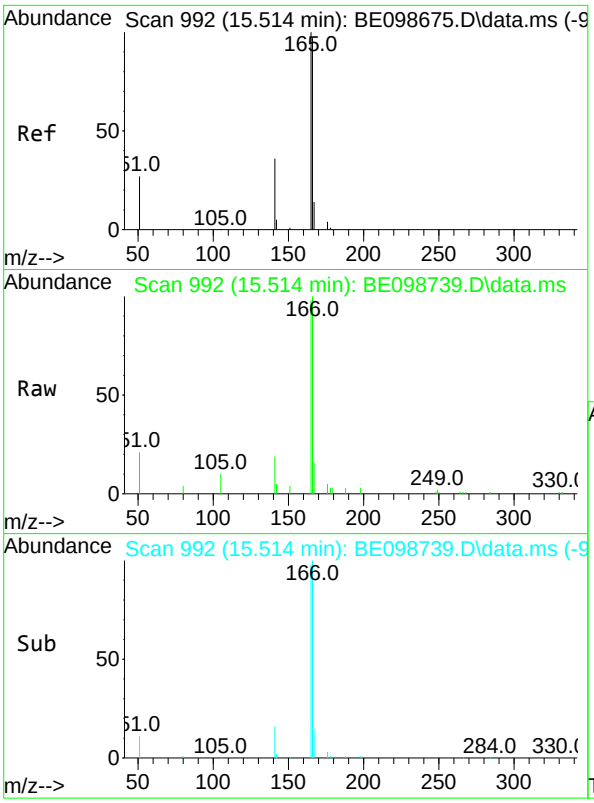


#17
Acenaphthene
Concen: 0.43 ng
RT: 14.529 min Scan# 924
Delta R.T. -0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:154 Resp: 3427

Ion	Ratio	Lower	Upper
154	100		
153	122.5	93.9	140.9
152	62.3	45.8	68.8

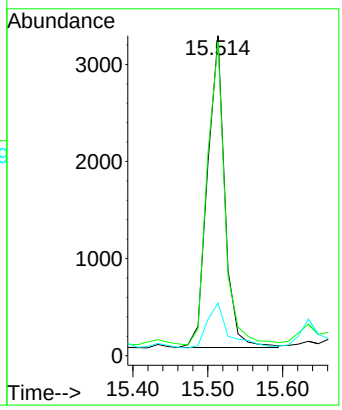




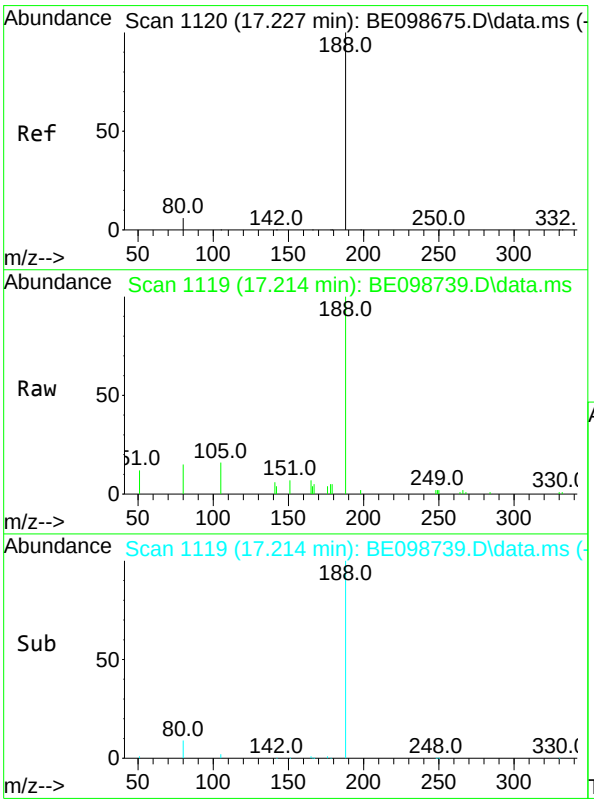
#18
Fluorene
Concen: 0.47 ng
RT: 15.514 min Scan# 992
Delta R.T. -0.000 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:166 Resp: 5156

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.3	118.9
167	17.6	10.6	15.8#



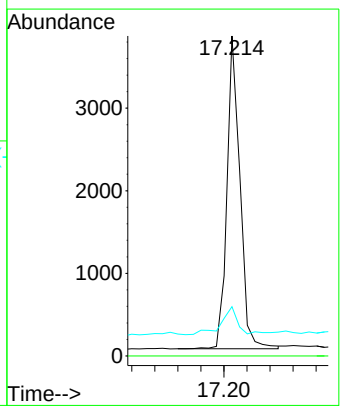
Instrument :
BNA_E
ClientSampleId :
MW-1MS



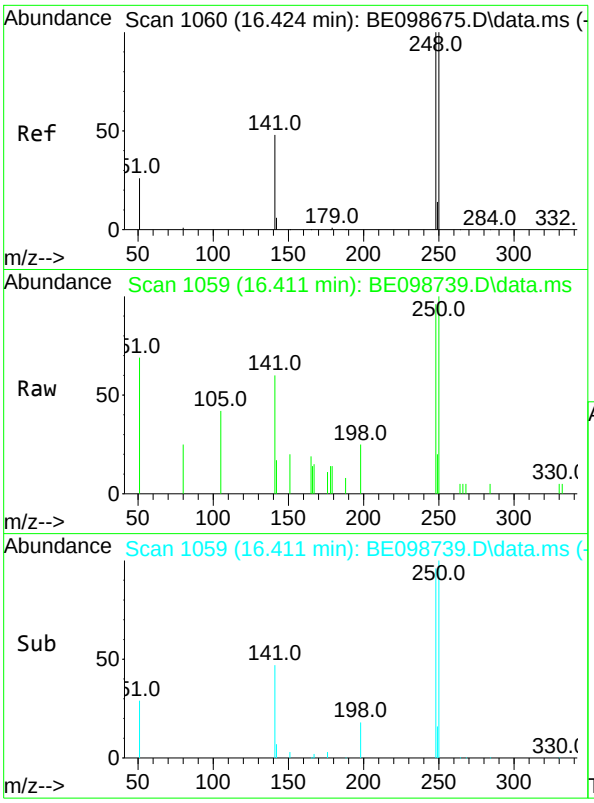
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.214 min Scan# 1119
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:188 Resp: 5925

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.4	4.7	7.1#



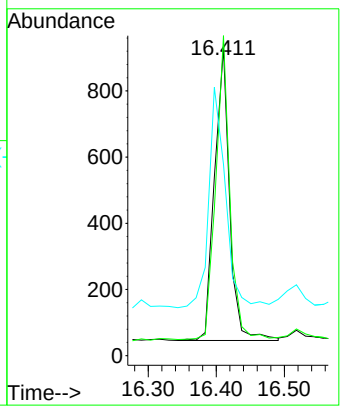
Instrument :
BNA_E
ClientSampleId :
MW-1MS

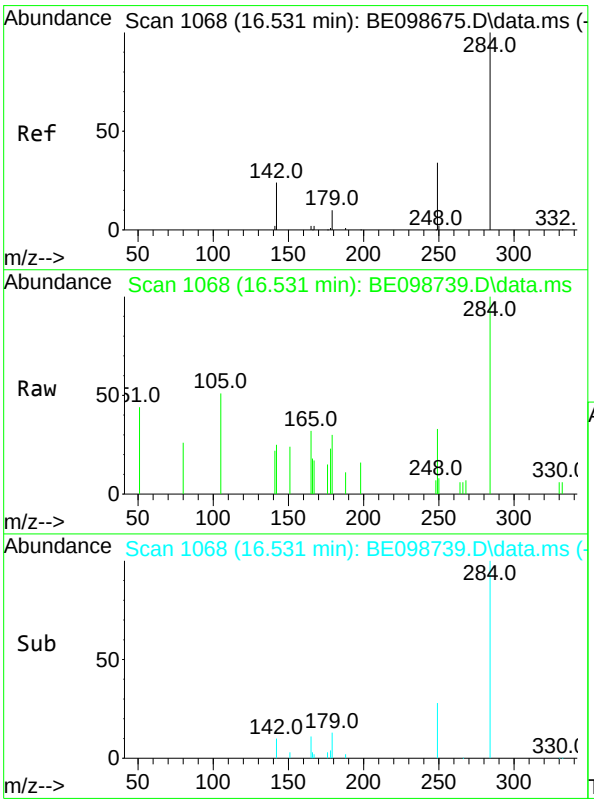


#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.411 min Scan# 1059
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:248 Resp: 1358

Ion	Ratio	Lower	Upper
248	100		
250	104.1	80.2	120.4
141	62.3	60.5	90.7

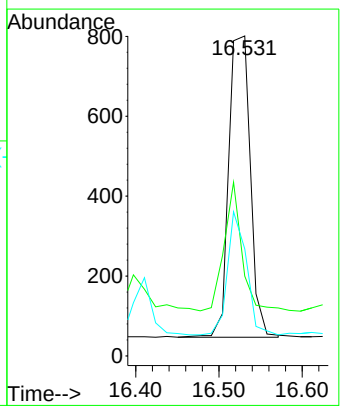




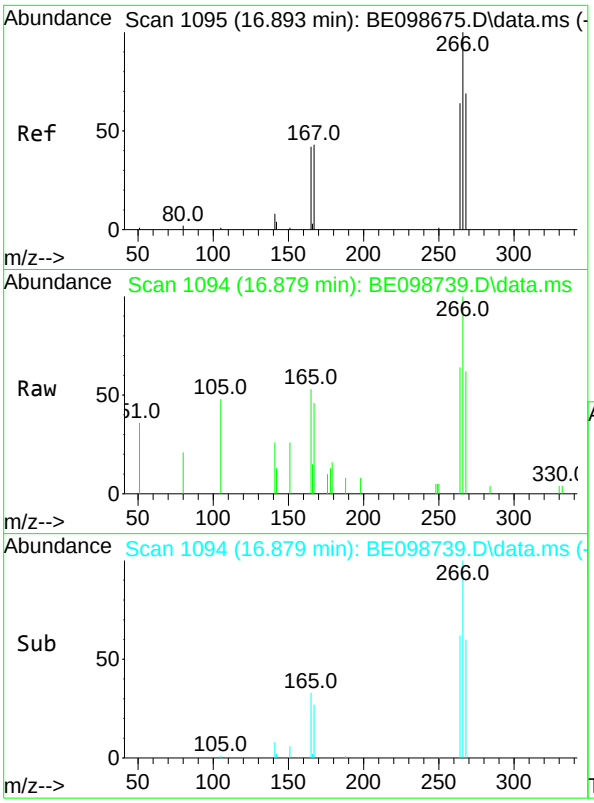
#21
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.531 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:284 Resp: 1355

Ion	Ratio	Lower	Upper
284	100		
142	34.7	25.5	38.3
249	36.0	26.6	39.8



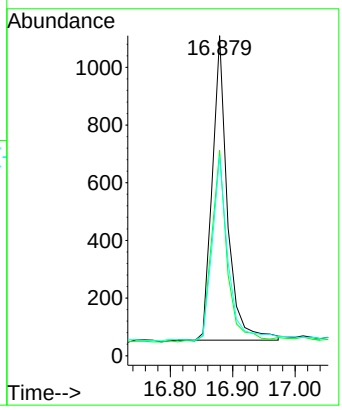
Instrument :
BNA_E
ClientSampleId :
MW-1MS

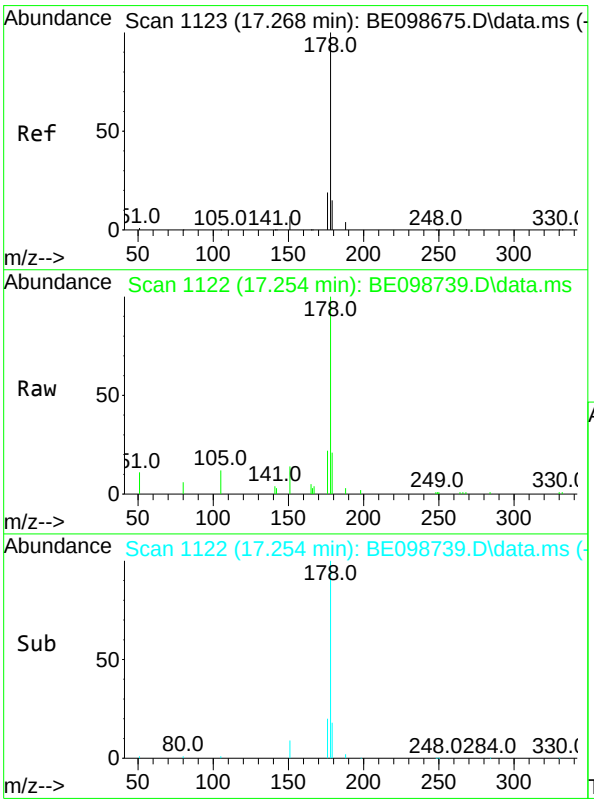


#22
Pentachlorophenol
Concen: 1.69 ng
RT: 16.879 min Scan# 1094
Delta R.T. -0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:266 Resp: 1779

Ion	Ratio	Lower	Upper
266	100		
264	64.1	53.7	80.5
268	62.4	59.8	89.8

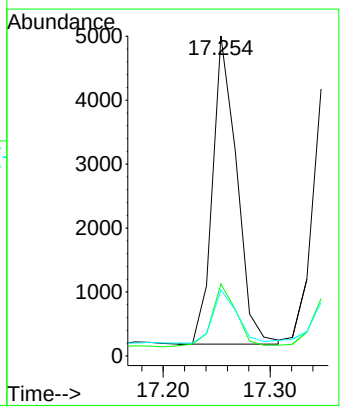




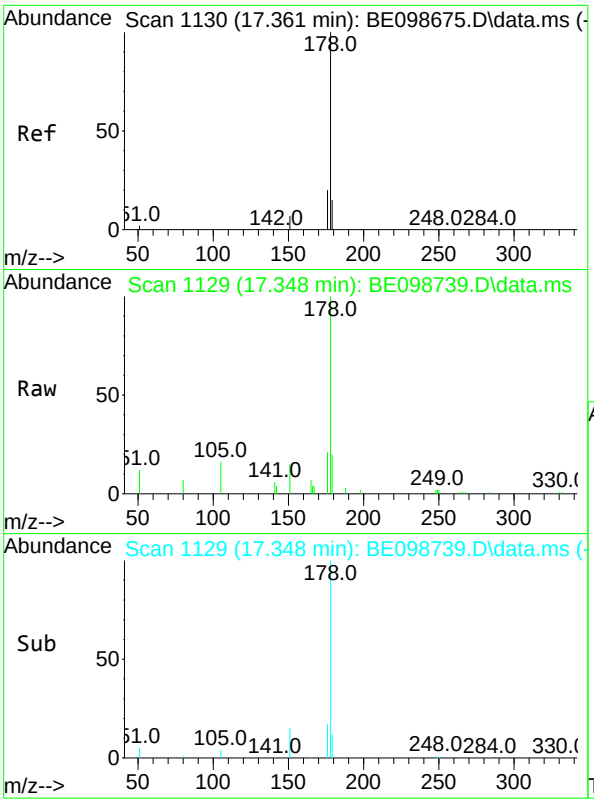
#23
Phenanthrene
Concen: 0.46 ng
RT: 17.254 min Scan# 1122
Delta R.T. -0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:178 Resp: 7557

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.9	23.9
179	17.2	12.2	18.4



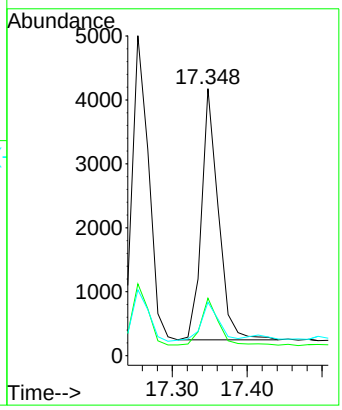
Instrument :
BNA_E
ClientSampleId :
MW-1MS

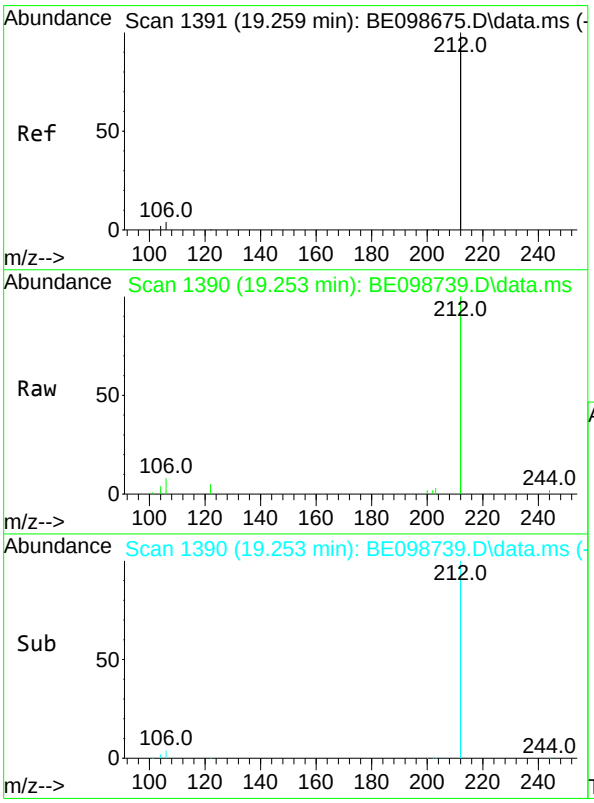


#24
Anthracene
Concen: 0.44 ng
RT: 17.348 min Scan# 1129
Delta R.T. -0.013 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:178 Resp: 6149

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.9	22.3
179	16.8	11.8	17.8

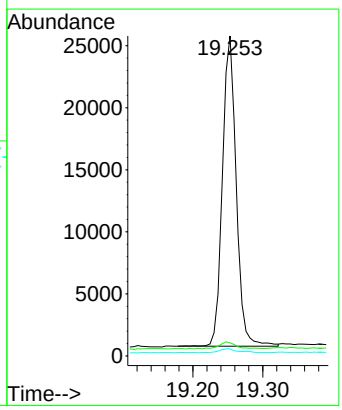




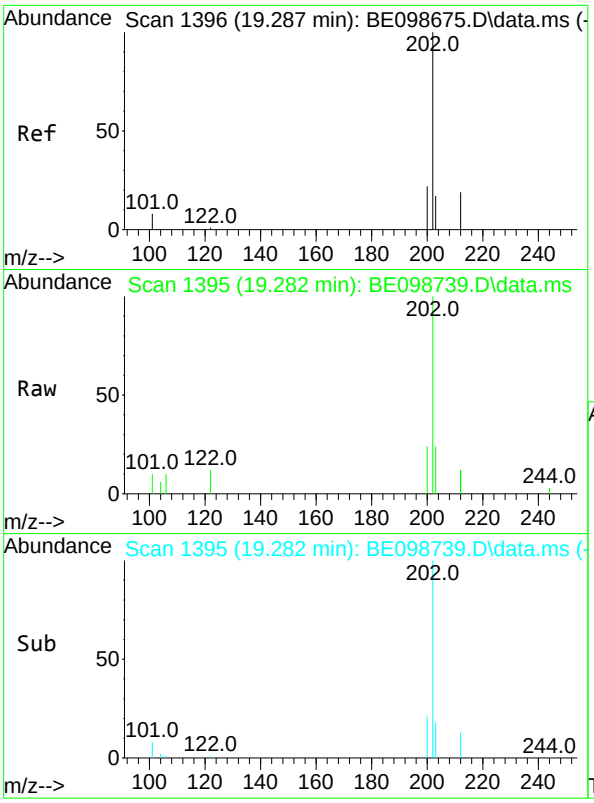
#25
Fluoranthene-d10
Concen: 0.41 ng
RT: 19.253 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:212 Resp: 34465

Ion	Ratio	Lower	Upper
212	100		
106	2.9	1.7	2.5#
104	1.7	1.0	1.6#



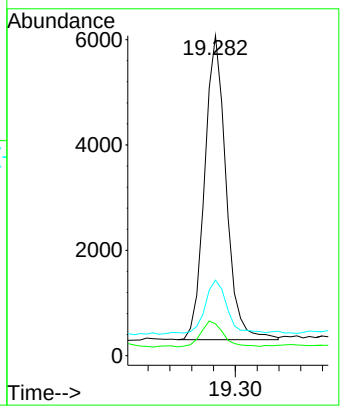
Instrument :
BNA_E
ClientSampleId :
MW-1MS

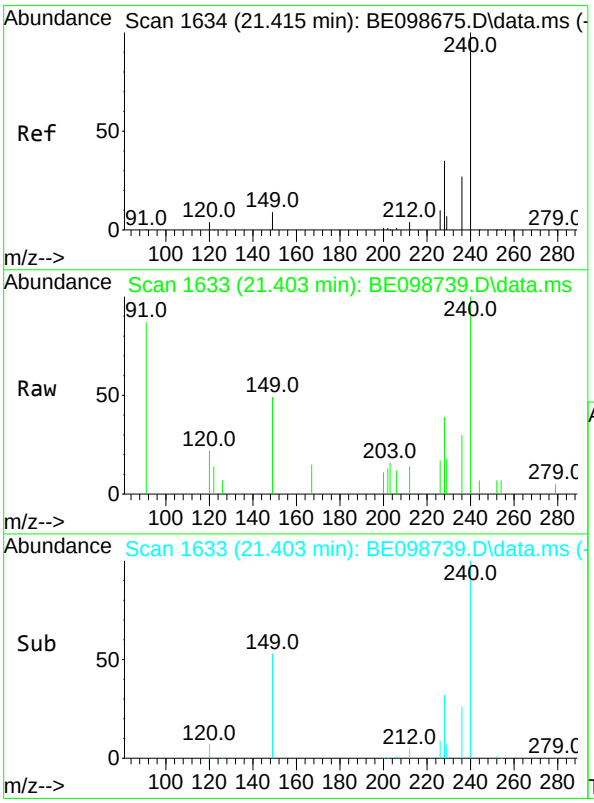


#26
Fluoranthene
Concen: 0.38 ng
RT: 19.282 min Scan# 1395
Delta R.T. -0.005 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:202 Resp: 7882

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.7	10.1
203	19.0	13.3	19.9

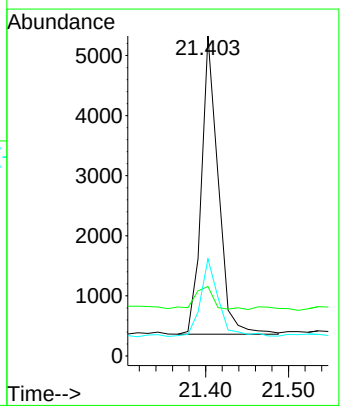


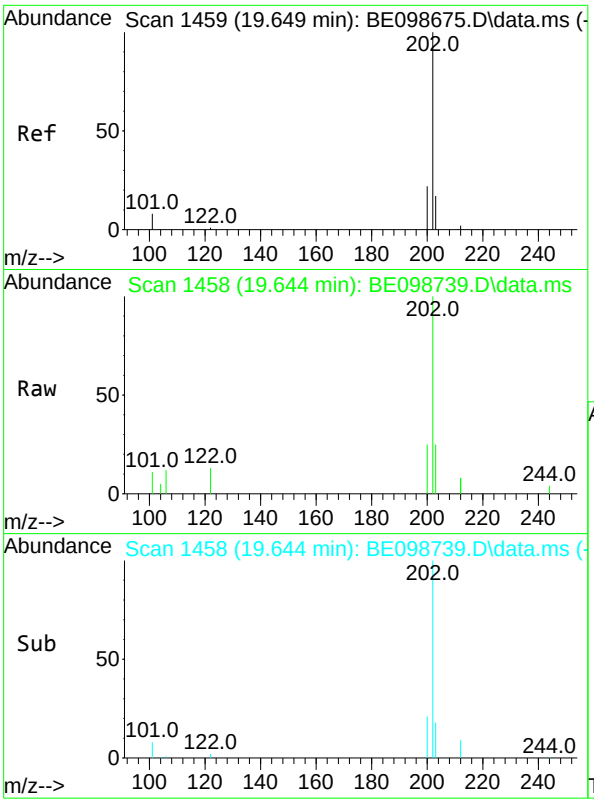


#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.403 min Scan# 1633
Delta R.T. -0.012 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:240 Resp: 6997

Ion	Ratio	Lower	Upper
240	100		
120	21.7	4.7	7.1#
236	30.3	21.9	32.9

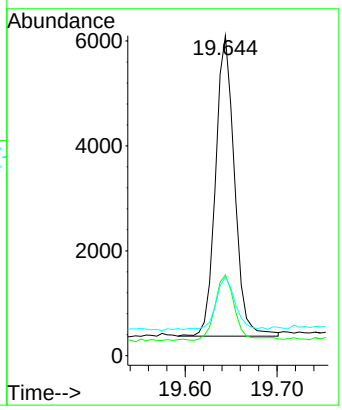




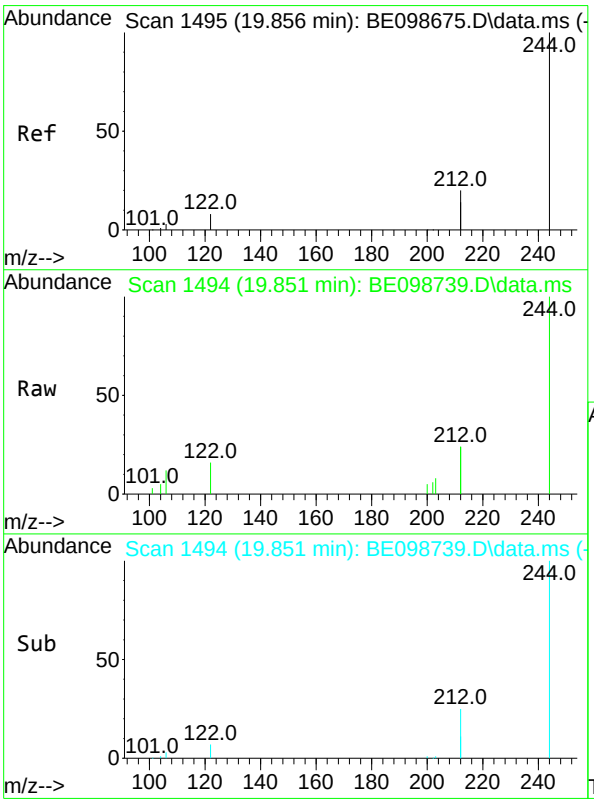
#28
Pyrene
Concen: 0.37 ng
RT: 19.644 min Scan# 1458
Delta R.T. -0.005 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:202 Resp: 8193

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.0	25.6
203	19.8	13.8	20.8



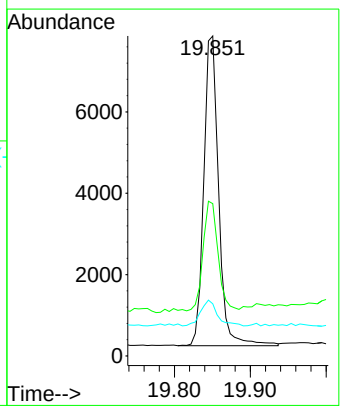
Instrument :
BNA_E
ClientSampleId :
MW-1MS



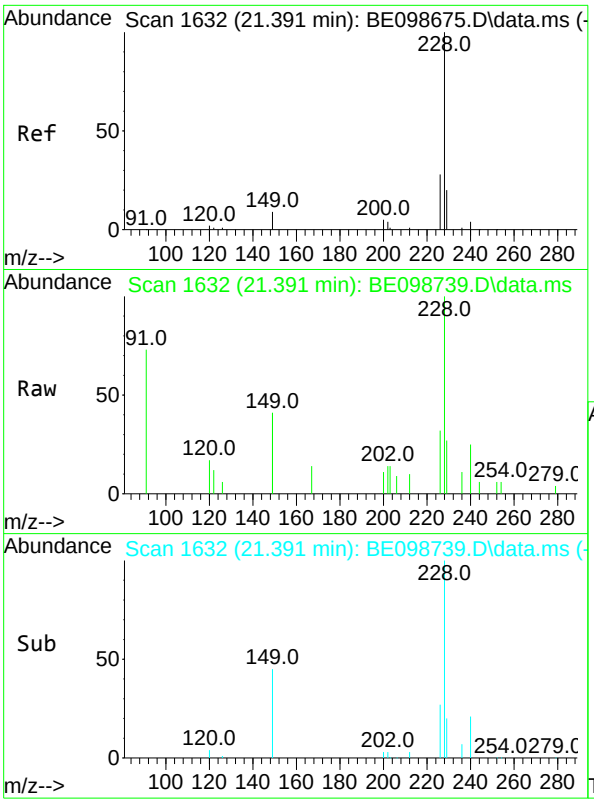
#29
Terphenyl-d14
Concen: 0.59 ng
RT: 19.851 min Scan# 1494
Delta R.T. -0.005 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:244 Resp: 10384

Ion	Ratio	Lower	Upper
244	100		
212	47.6	29.4	44.2#
122	16.3	7.1	10.7#



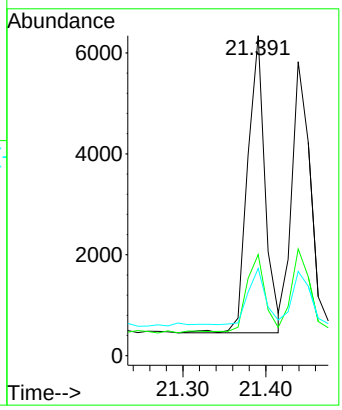
Instrument :
BNA_E
ClientSampleId :
MW-1MS

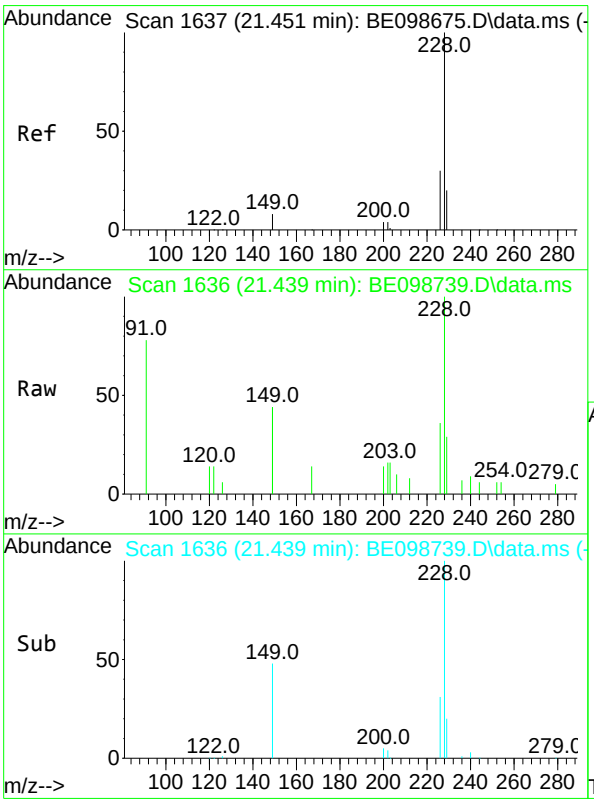


#30
Benzo(a)anthracene
Concen: 0.41 ng
RT: 21.391 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:228 Resp: 8615

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.0	34.4
229	27.2	15.0	22.6#

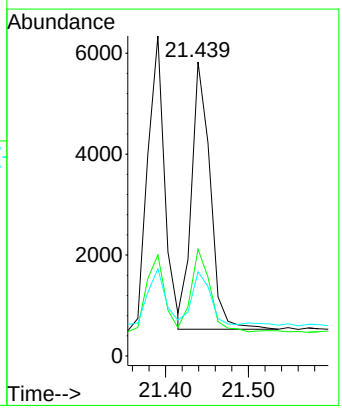




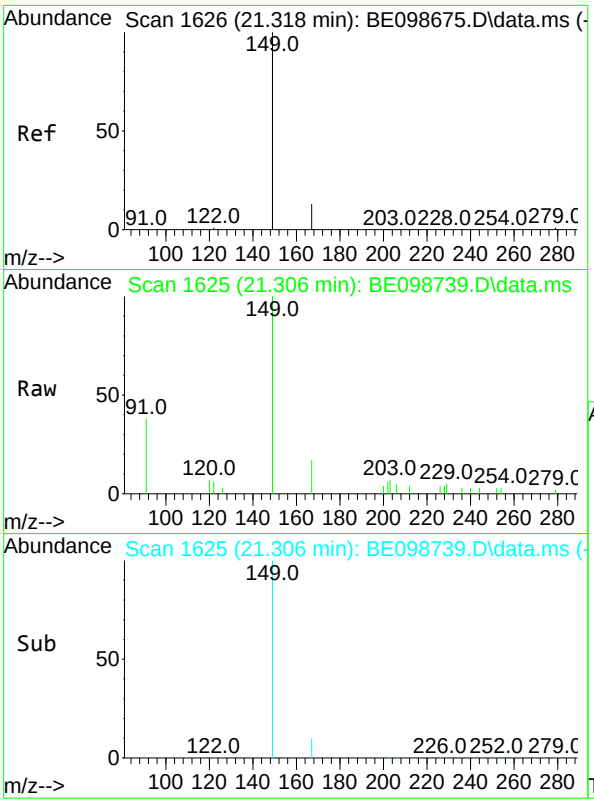
#31
Chrysene
Concen: 0.36 ng
RT: 21.439 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:228 Resp: 8267

Ion	Ratio	Lower	Upper
228	100		
226	36.3	24.6	36.8
229	28.6	16.4	24.6#



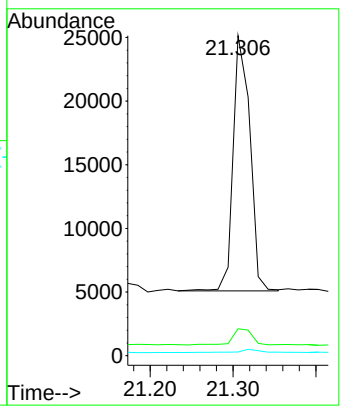
Instrument :
BNA_E
ClientSampleId :
MW-1MS

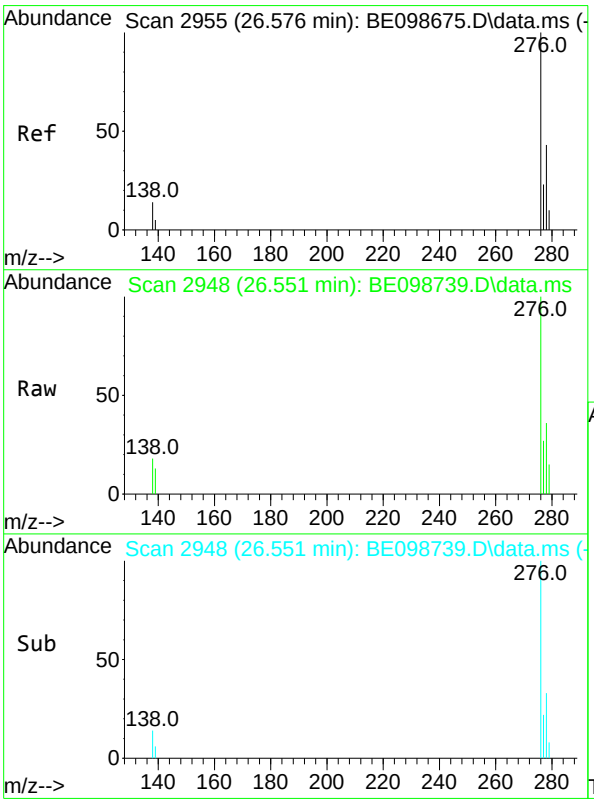


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.72 ng
RT: 21.306 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:149 Resp: 28190

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.2
279	1.5	1.0	1.4#

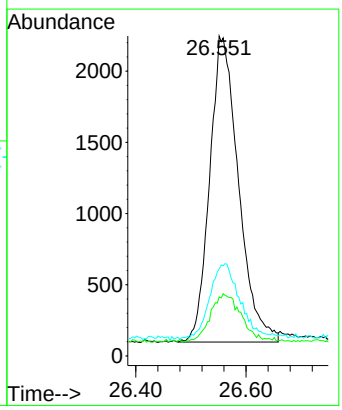




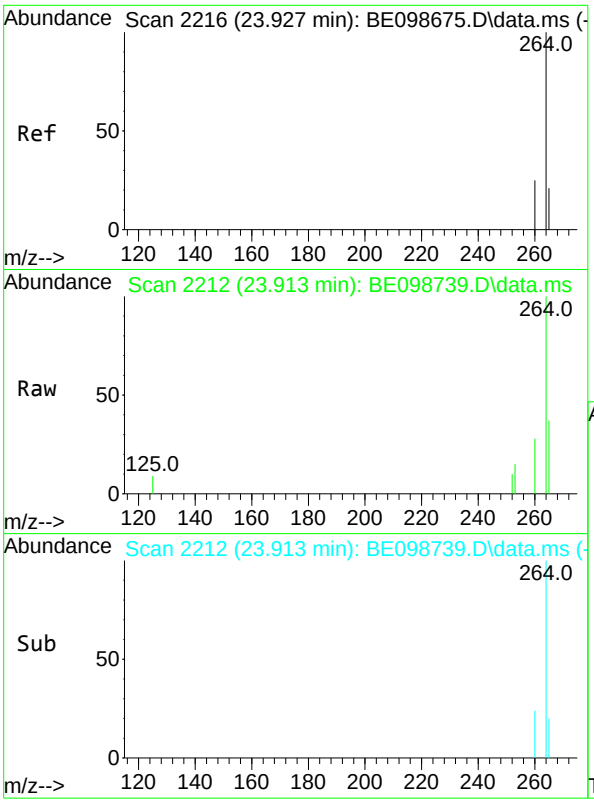
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.551 min Scan# 2948
Delta R.T. -0.025 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:276 Resp: 7793

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.3	19.9
277	25.5	19.4	29.0



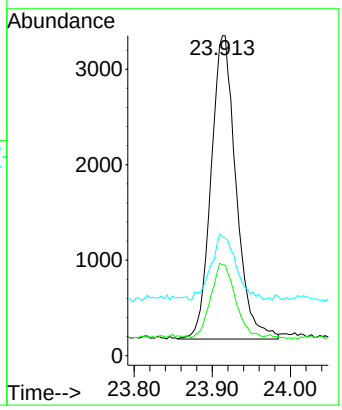
Instrument :
BNA_E
ClientSampleId :
MW-1MS

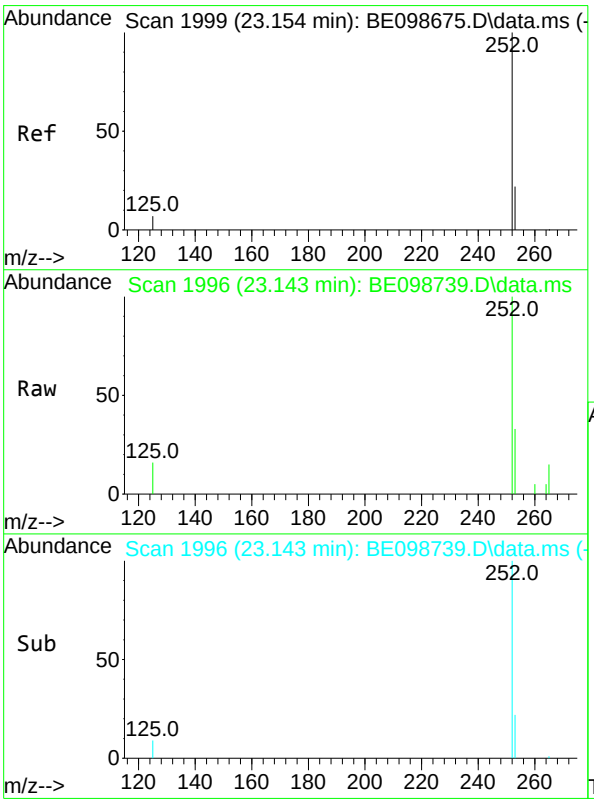


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.913 min Scan# 2212
Delta R.T. -0.014 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:264 Resp: 7050

Ion	Ratio	Lower	Upper
264	100		
260	28.4	20.5	30.7
265	37.0	22.3	33.5#

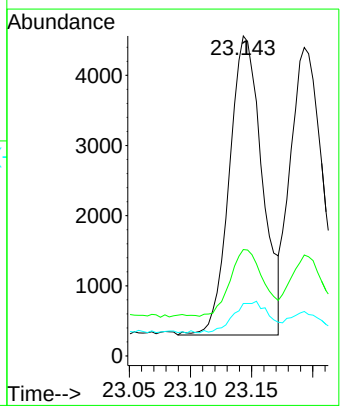




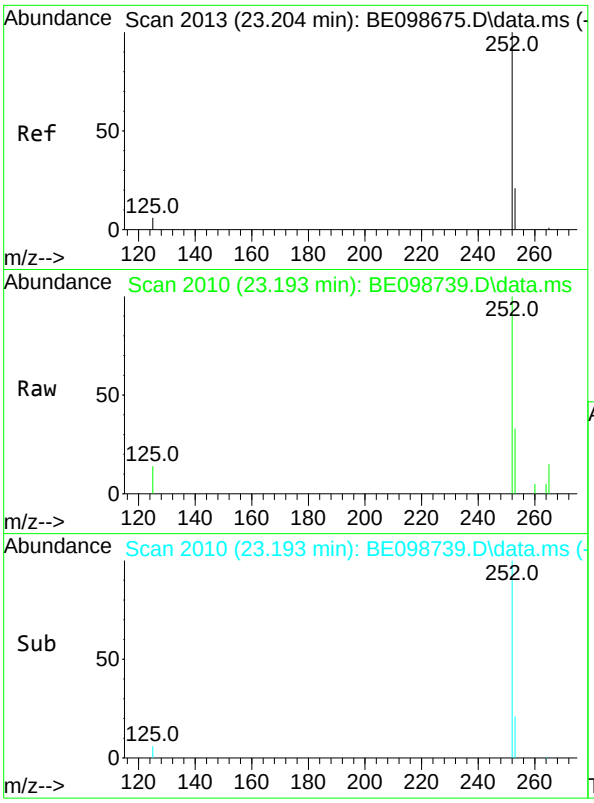
#35
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 23.143 min Scan# 1996
Delta R.T. -0.011 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:252 Resp: 7967

Ion	Ratio	Lower	Upper
252	100		
253	33.3	19.4	29.0#
125	16.4	8.2	12.4#



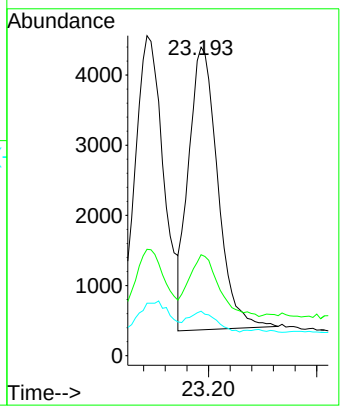
Instrument :
BNA_E
ClientSampleId :
MW-1MS

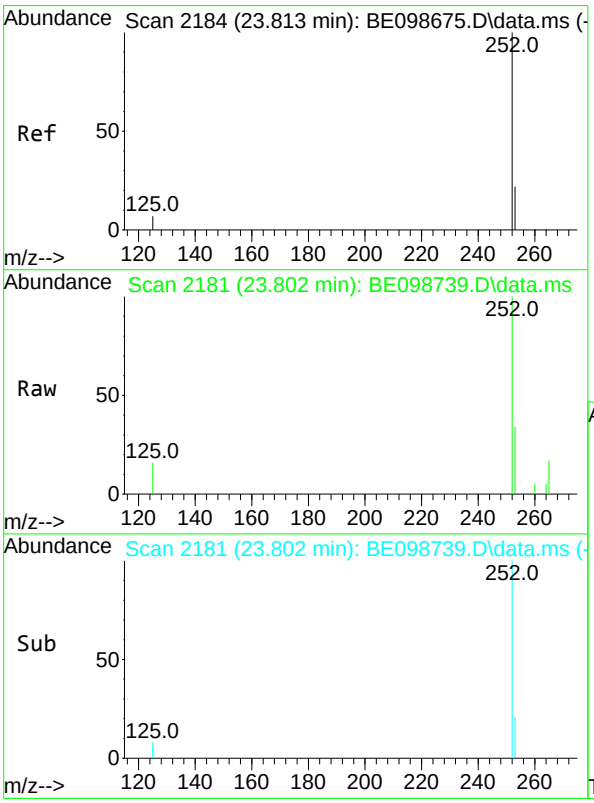


#36
Benzo(k)fluoranthene
Concen: 0.31 ng
RT: 23.193 min Scan# 2010
Delta R.T. -0.011 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:252 Resp: 7531

Ion	Ratio	Lower	Upper
252	100		
253	32.7	19.0	28.4#
125	14.4	7.0	10.4#

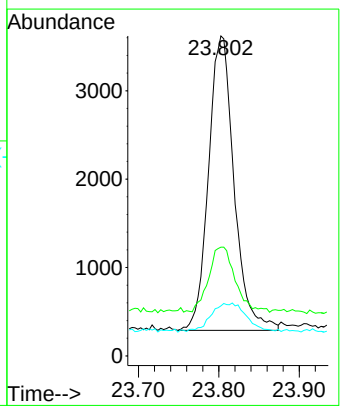




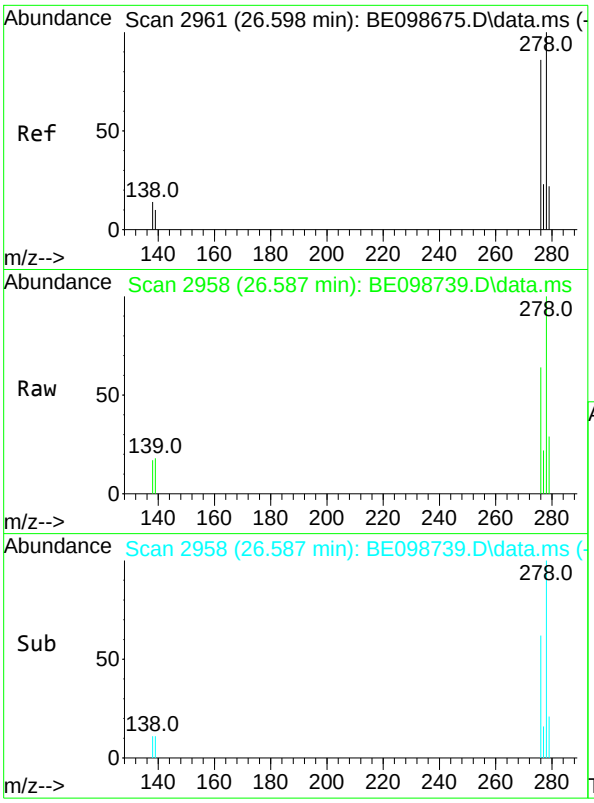
#37
Benzo(a)pyrene
Concen: 0.34 ng
RT: 23.802 min Scan# 2181
Delta R.T. -0.011 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:252 Resp: 7364

Ion	Ratio	Lower	Upper
252	100		
253	34.0	21.0	31.4#
125	15.7	9.2	13.8#



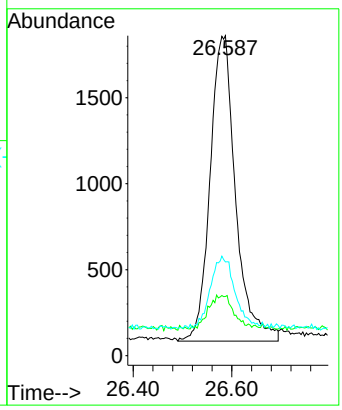
Instrument :
BNA_E
ClientSampleId :
MW-1MS

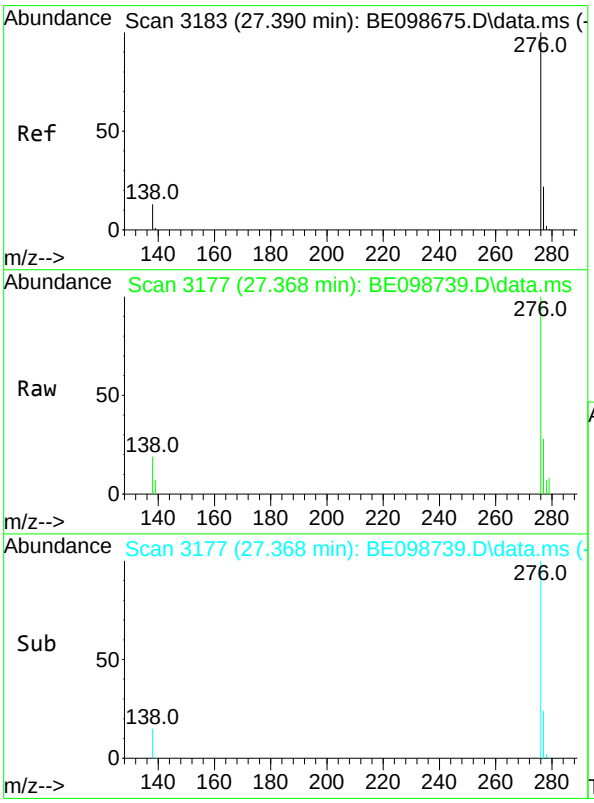


#38
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 26.587 min Scan# 2958
Delta R.T. -0.011 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:278 Resp: 6392

Ion	Ratio	Lower	Upper
278	100		
139	18.5	12.7	19.1
279	29.3	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.31 ng
RT: 27.368 min Scan# 3177
Delta R.T. -0.022 min
Lab File: BE098739.D
Acq: 20 Feb 2019 13:42

Tgt Ion:276 Resp: 6973

Ion	Ratio	Lower	Upper
276	100		
277	28.4	20.3	30.5
138	19.2	13.3	19.9