Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\Be022119\
Data File : BE098751.D
Acq On : 21 Feb 2019 16:51
Operator : JU/SJ
Sample : PB117262BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB117262BSD

Quant Time: Feb 21 22:12:19 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	1130	0.40	ng		0.00
7) Naphthalene-d8	10.602	136	6124	0.40	ng		0.00
13) Acenaphthene-d10	14.471	164	4259	0.40	ng		0.00
19) Phenanthrene-d10	17.227	188	10318	0.40	ng		0.00
27) Chrysene-d12	21.402	240	11402	0.40	ng		#-0.01
34) Perylene-d12	23.920	264	11013	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.397	112	1352	0.40	ng		0.00
5) Phenol-d6	6.998	99	2307	0.47	ng		0.00
8) Nitrobenzene-d5	8.965	82	2408	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	12.209	152	4719	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	815	0.43	ng		-0.01
15) 2-Fluorobiphenyl	13.088	172	7174	0.39	ng		-0.02
25) Fluoranthene-d10	19.253	212	57676	0.39	ng		0.00
29) Terphenyl-d14	19.857	244	11424	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.312	88	836	0.40	ng		91
3) n-Nitrosodimethylamine	3.646	42	1348	0.49	ng	#	95
6) bis(2-Chloroethyl)ether	7.228	93	1588	0.48	ng		99
9) Naphthalene	10.641	128	27827	0.40	ng		99
10) Hexachlorobutadiene	10.927	225	1756	0.37	ng		98
12) 2-Methylnaphthalene	12.281	142	4830	0.41	ng		99
16) Acenaphthylene	14.183	152	8544	0.39	ng		98
17) Acenaphthene	14.529	154	5199	0.40	ng		97
18) Fluorene	15.514	166	7162	0.41	ng		99
20) 4-Bromophenyl-phenylether	16.411	248	2383	0.39	ng		94
21) Hexachlorobenzene	16.531	284	2675	0.37	ng		98
22) Pentachlorophenol	16.893	266	550	0.30	ng		98
23) Phenanthrene	17.268	178	11173	0.39	ng		99
24) Anthracene	17.361	178	9558	0.40	ng		98
26) Fluoranthene	19.288	202	14322	0.39	ng		99
28) Pyrene	19.650	202	14790	0.41	ng		100
30) Benzo(a)anthracene	21.390	228	14650	0.43	ng		99
31) Chrysene	21.451	228	14403	0.39	ng		98
32) Bis(2-ethylhexyl)phtha...	21.318	149	37630	0.59	ng		100
33) Indeno(1,2,3-cd)pyrene	26.563	276	15211	0.39	ng		98
35) Benzo(b)fluoranthene	23.151	252	14197	0.40	ng	#	95
36) Benzo(k)fluoranthene	23.200	252	14511	0.38	ng		99
37) Benzo(a)pyrene	23.806	252	13534	0.40	ng		97
38) Dibenzo(a,h)anthracene	26.591	278	12153	0.39	ng	#	95
39) Benzo(g,h,i)perylene	27.372	276	12965	0.37	ng		98

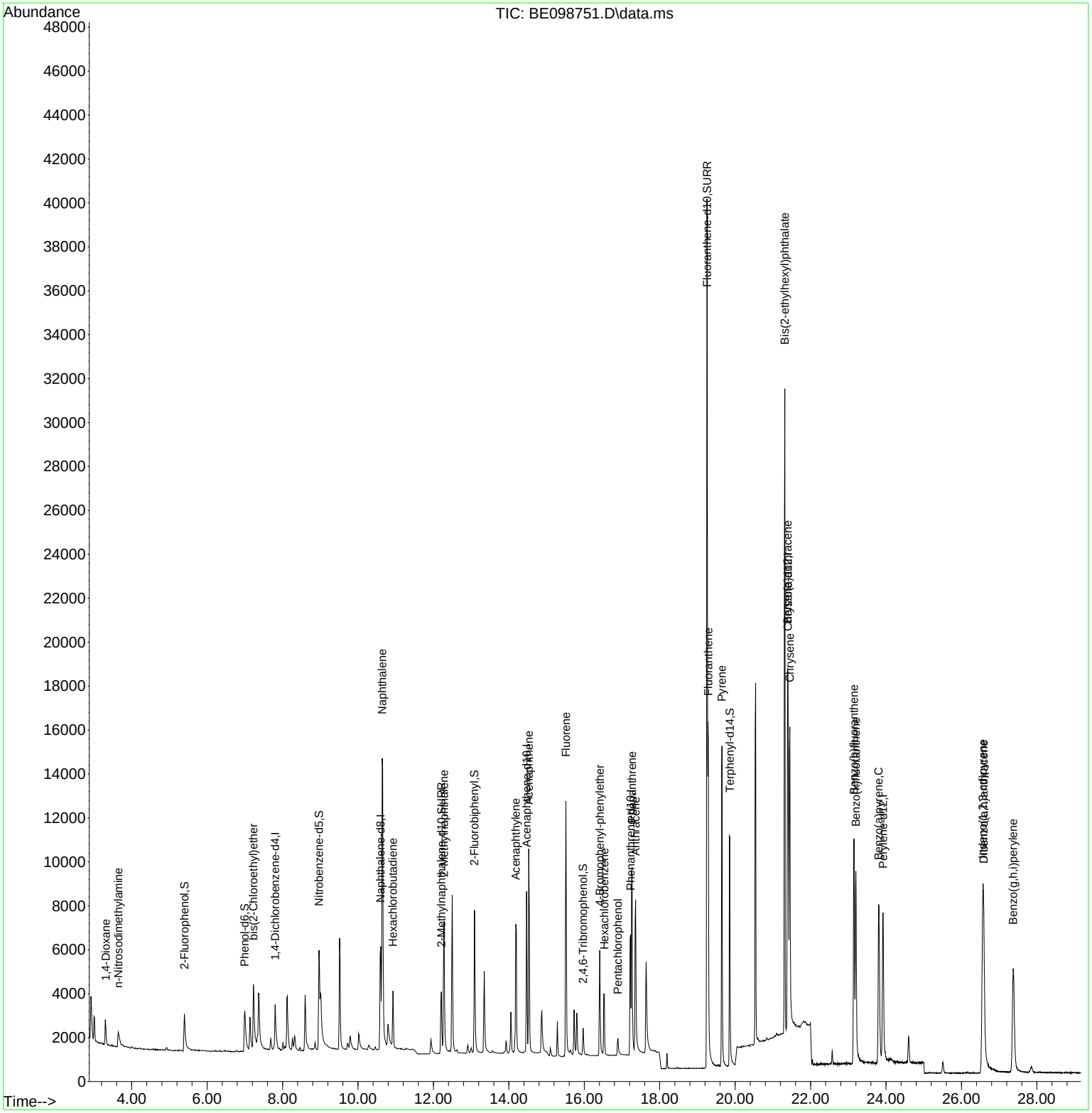
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

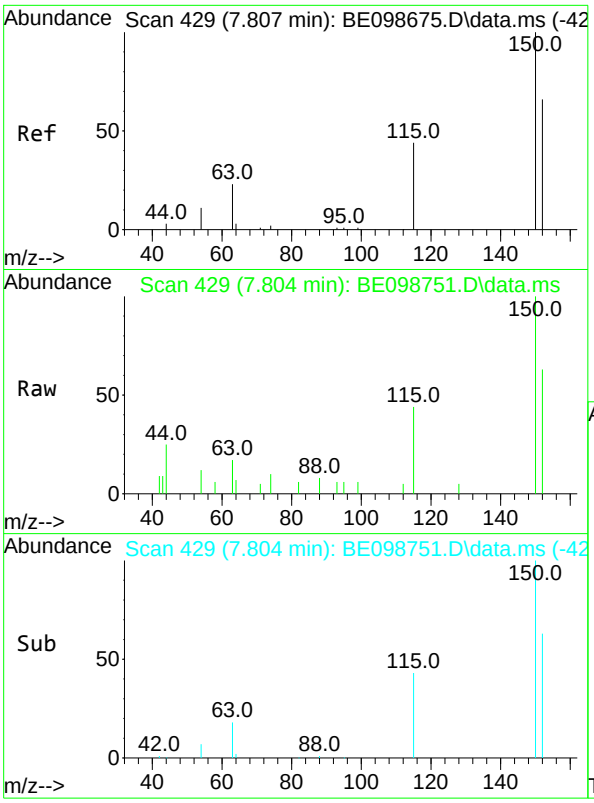
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\Be022119\
Data File : BE098751.D
Acq On : 21 Feb 2019 16:51
Operator : JU/SJ
Sample : PB117262BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB117262BSD

Quant Time: Feb 21 22:12:19 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



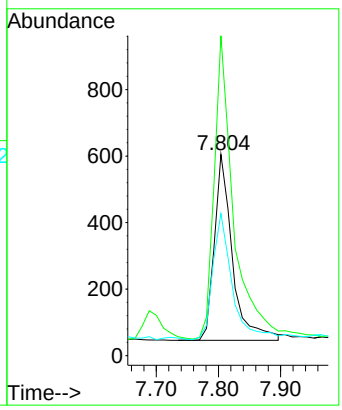
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

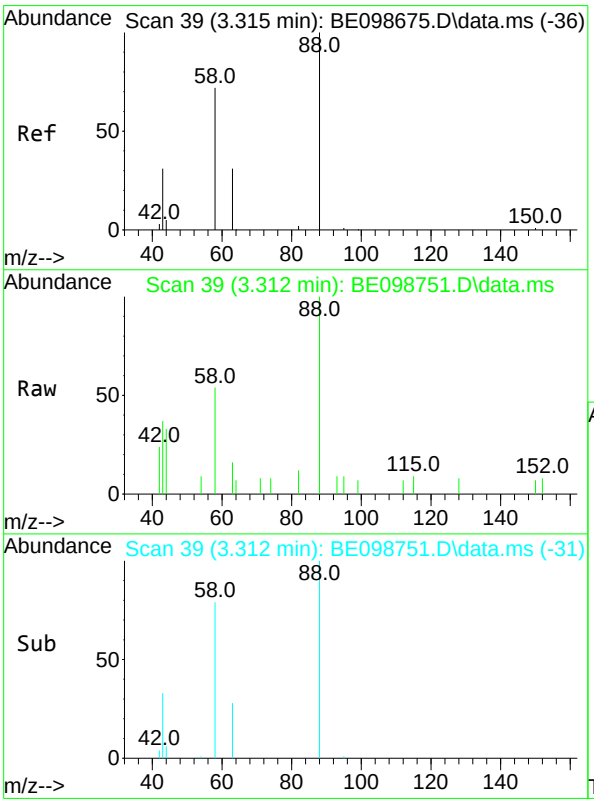


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.804 min Scan# 429
Delta R.T. -0.003 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:152 Resp: 1130

Ion	Ratio	Lower	Upper
152	100		
150	159.0	121.4	182.2
115	70.6	59.1	88.7

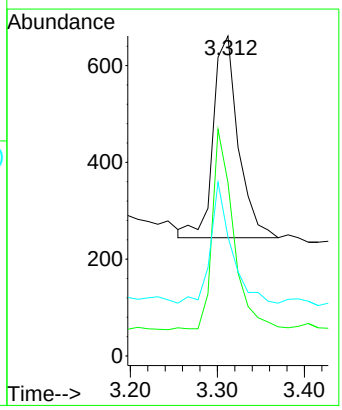




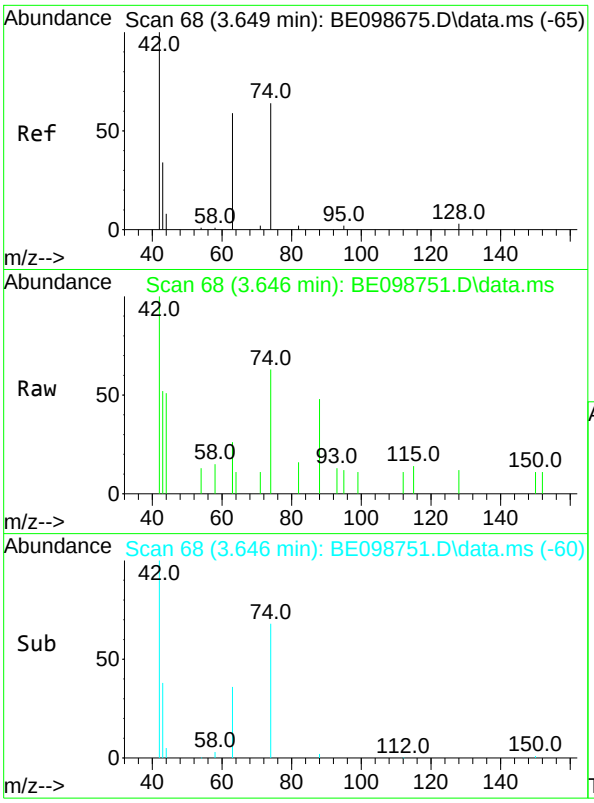
#2
1,4-Dioxane
Concen: 0.40 ng
RT: 3.312 min Scan# 39
Delta R.T. -0.003 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion: 88 Resp: 836

Ion	Ratio	Lower	Upper
88	100		
58	83.6	73.9	110.9
43	49.0	43.7	65.5



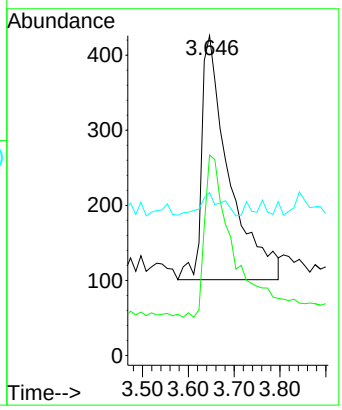
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

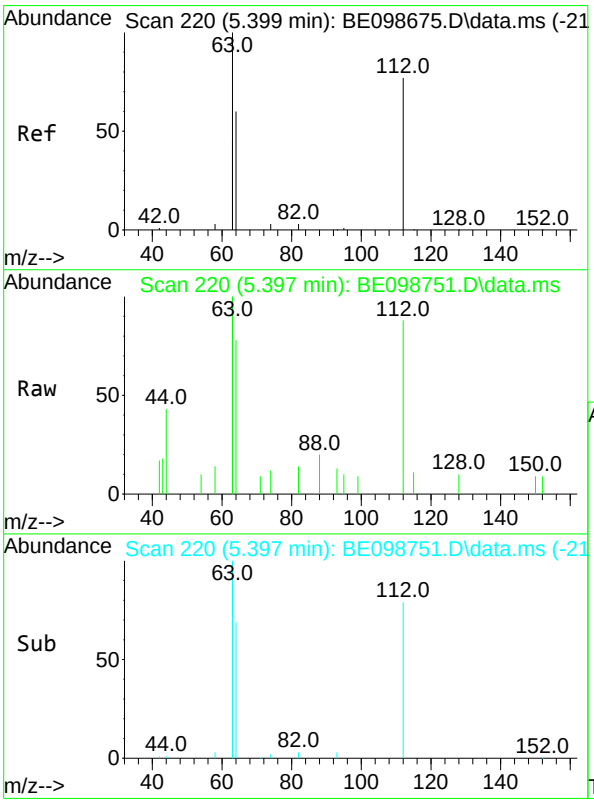


#3
n-Nitrosodimethylamine
Concen: 0.49 ng
RT: 3.646 min Scan# 68
Delta R.T. -0.003 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion: 42 Resp: 1348

Ion	Ratio	Lower	Upper
42	100		
74	69.1	58.9	88.3
44	7.3	0.0	0.0#

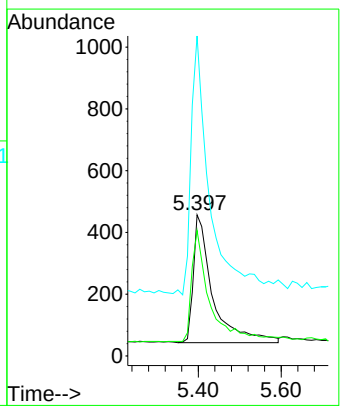




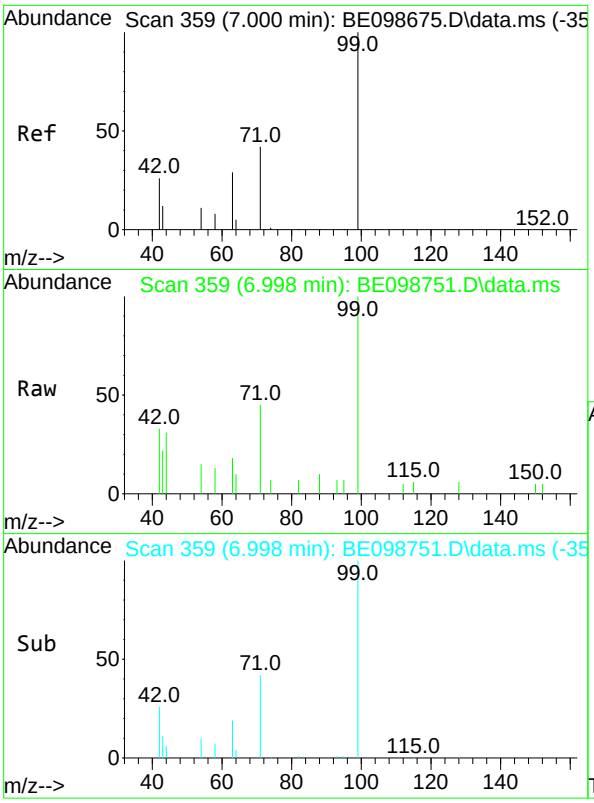
#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.397 min Scan# 220
Delta R.T. -0.002 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:112 Resp: 1352

Ion	Ratio	Lower	Upper
112	100		
64	84.8	62.9	94.3
63	189.9	152.2	228.4



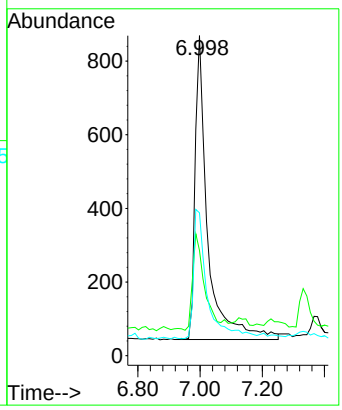
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

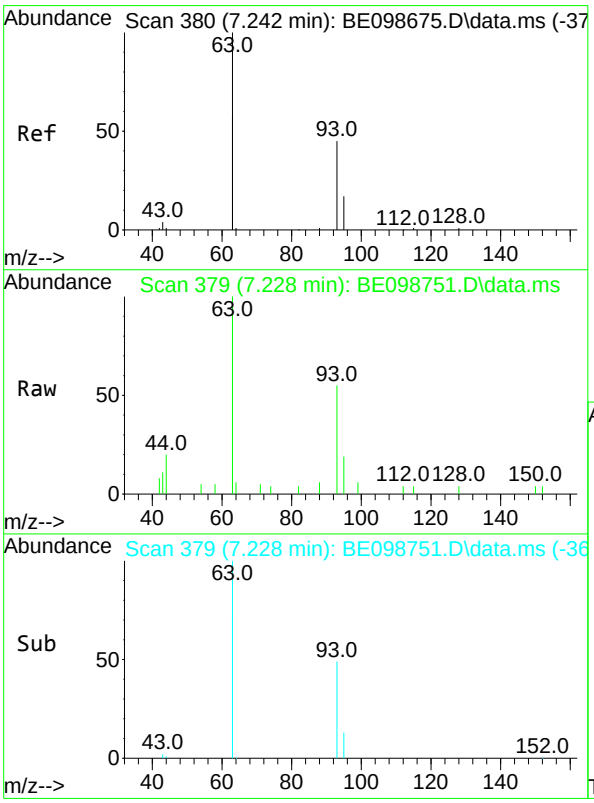


#5
Phenol-d6
Concen: 0.47 ng
RT: 6.998 min Scan# 359
Delta R.T. -0.002 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion: 99 Resp: 2307

Ion	Ratio	Lower	Upper
99	100		
42	30.1	24.6	37.0
71	46.3	35.1	52.7

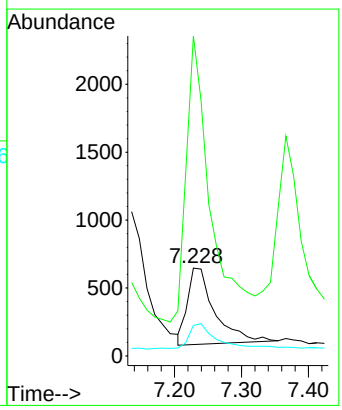




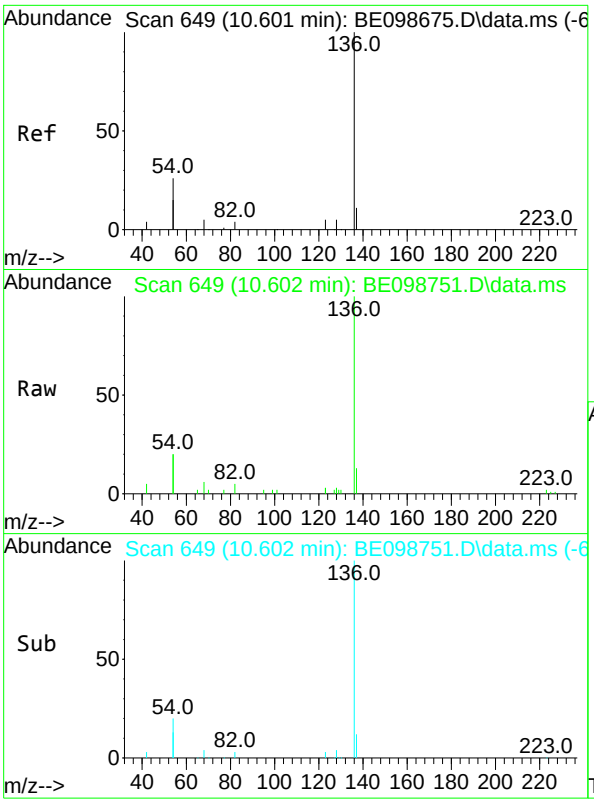
#6
bis(2-Chloroethyl)ether
Concen: 0.48 ng
RT: 7.228 min Scan# 379
Delta R.T. -0.014 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion: 93 Resp: 1588

Ion	Ratio	Lower	Upper
93	100		
63	332.7	267.3	400.9
95	37.7	26.2	39.4



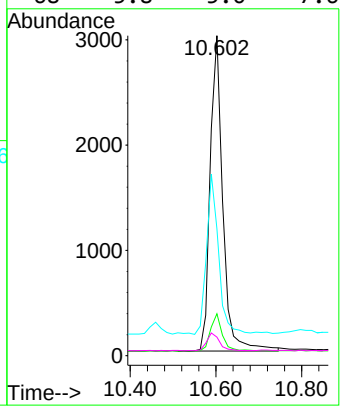
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

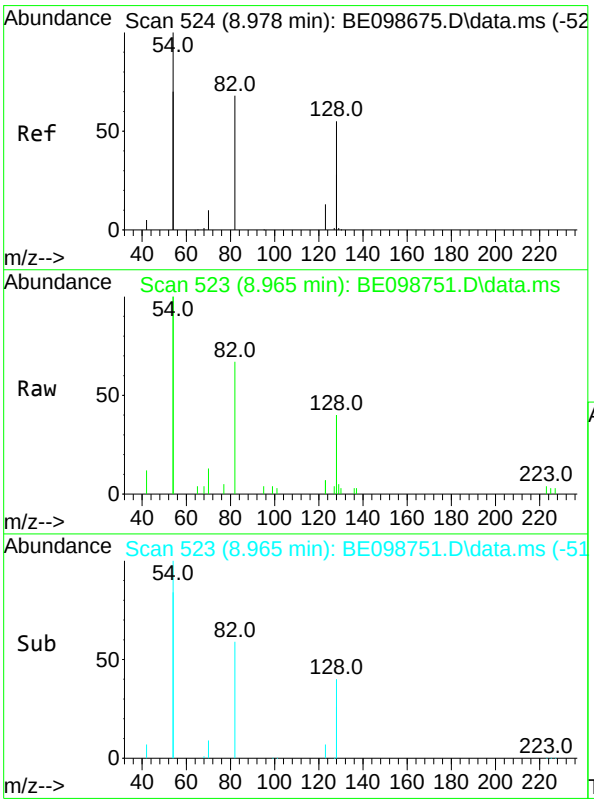


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.602 min Scan# 649
Delta R.T. 0.001 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:136 Resp: 6124

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.7	14.5
54	39.7	35.5	53.3
68	5.8	5.0	7.6

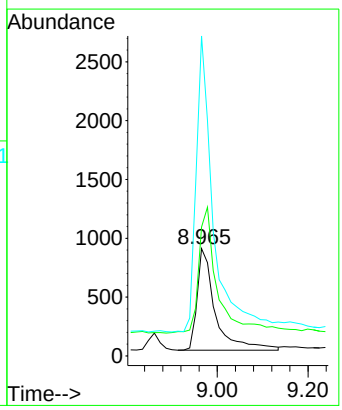




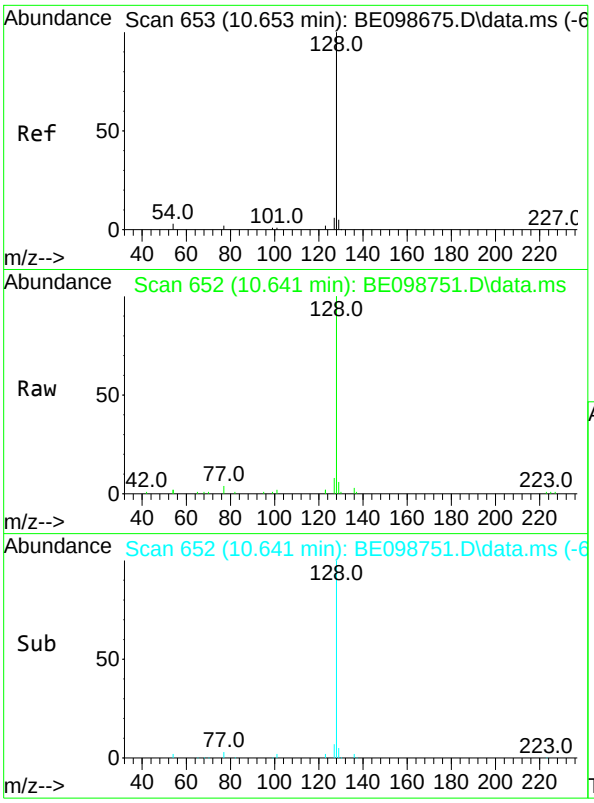
#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 8.965 min Scan# 523
Delta R.T. -0.013 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion: 82 Resp: 2408

Ion	Ratio	Lower	Upper
82	100		
128	120.2	96.5	144.7
54	298.2	224.7	337.1



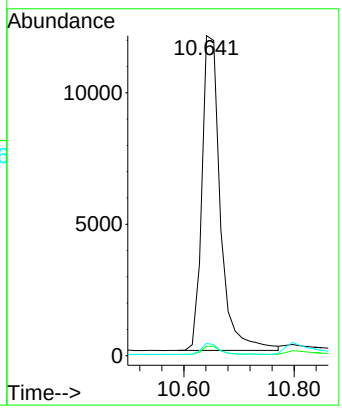
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

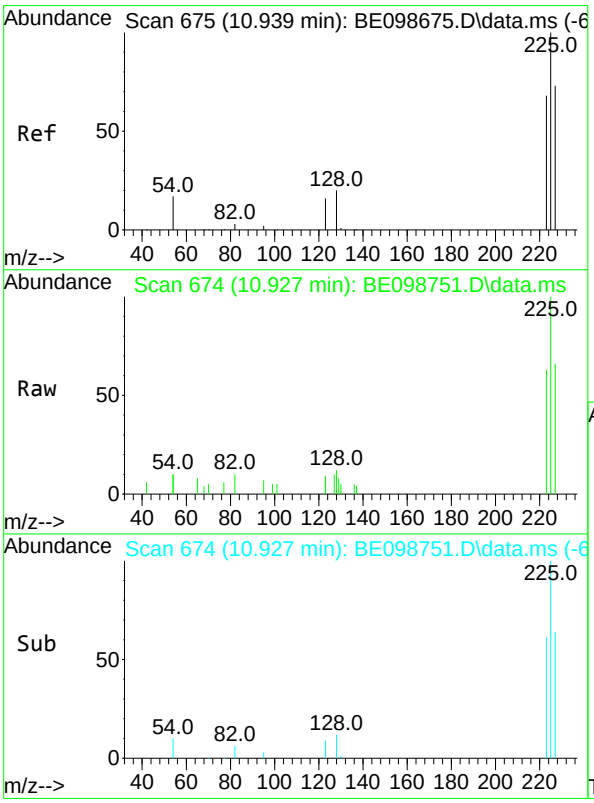


#9
Naphthalene
Concen: 0.40 ng
RT: 10.641 min Scan# 652
Delta R.T. -0.012 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:128 Resp: 27827

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.9	3.0	4.6

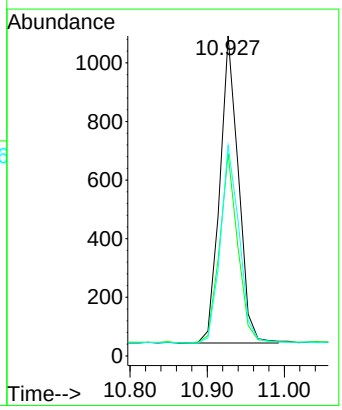




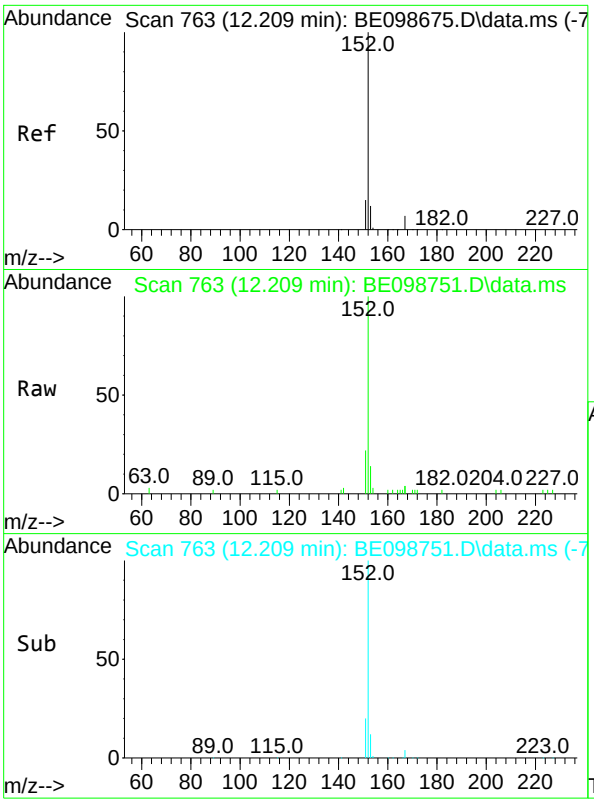
#10
Hexachlorobutadiene
Concen: 0.37 ng
RT: 10.927 min Scan# 674
Delta R.T. -0.012 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:225 Resp: 1756

Ion	Ratio	Lower	Upper
225	100		
223	60.6	47.8	71.8
227	64.9	50.5	75.7



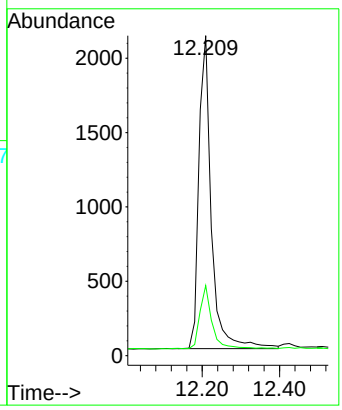
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

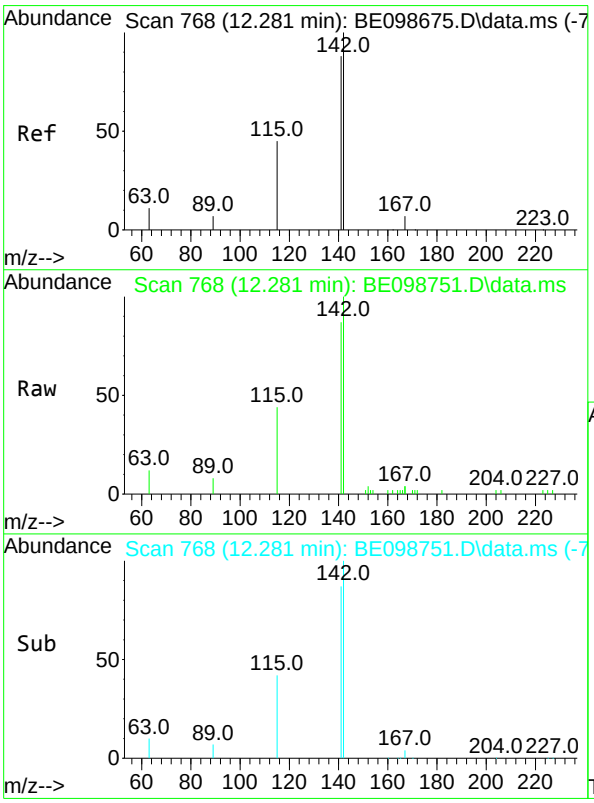


#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 12.209 min Scan# 763
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:152 Resp: 4719

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4

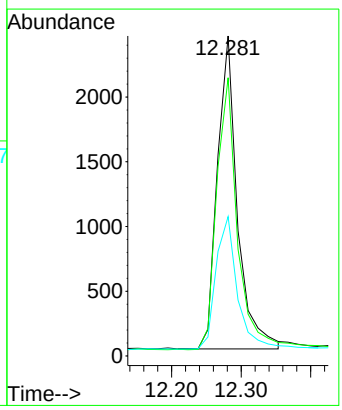




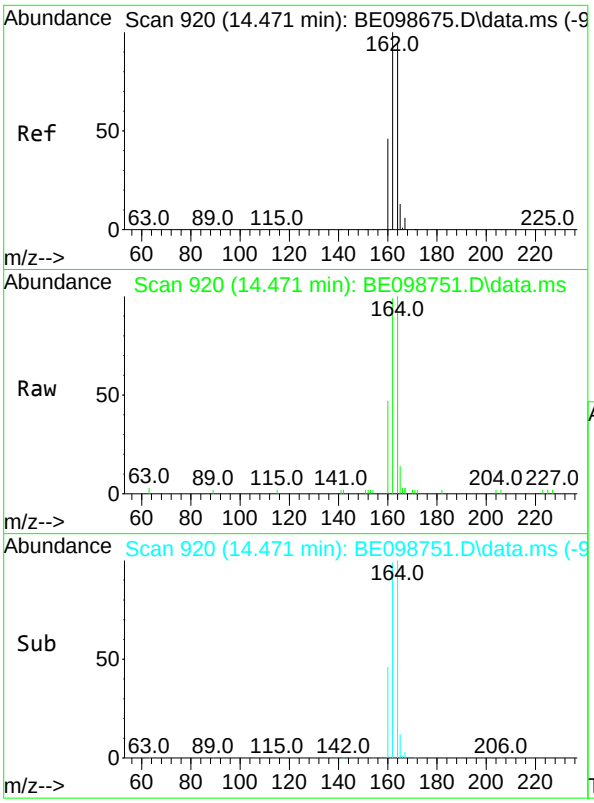
#12
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.281 min Scan# 768
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:142 Resp: 4830

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.0	105.0
115	43.6	35.2	52.8



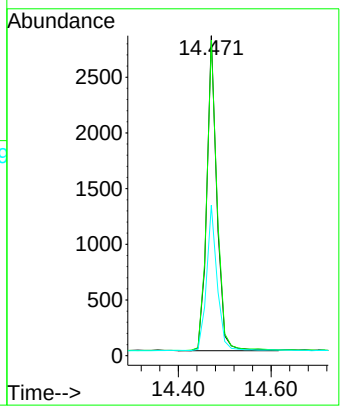
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

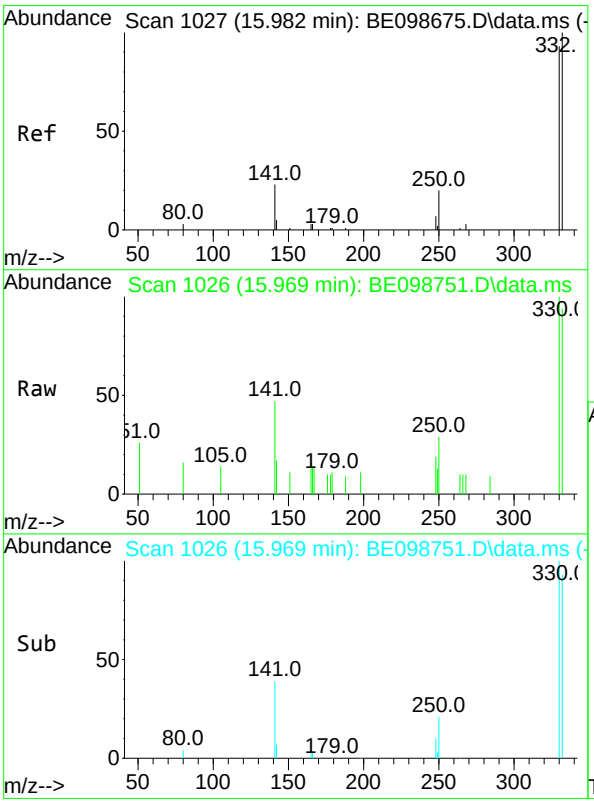


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.471 min Scan# 920
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:164 Resp: 4259

Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.5	120.7
160	47.0	40.1	60.1

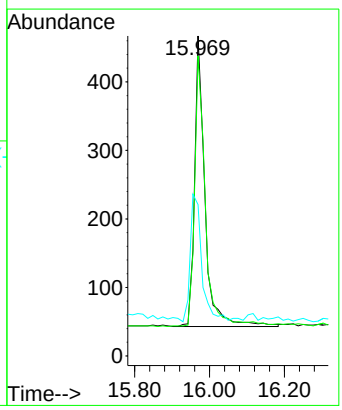




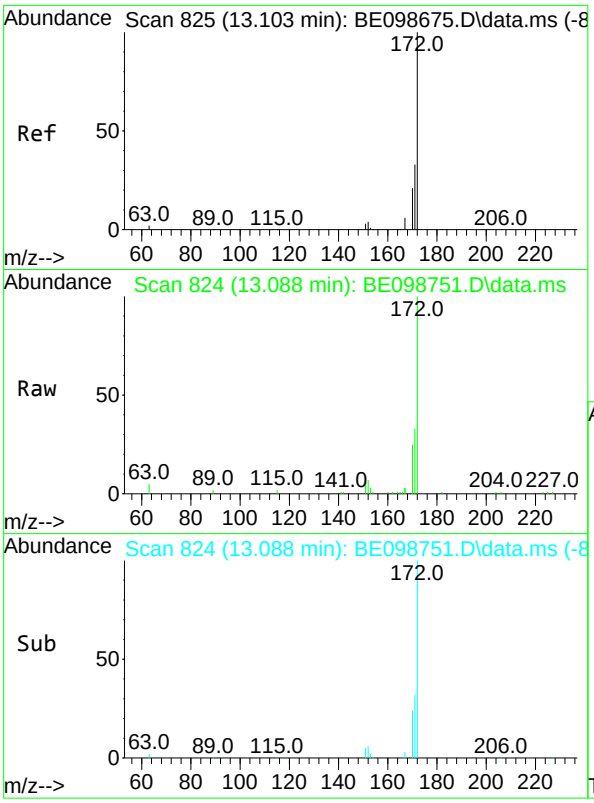
#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 15.969 min Scan# 1026
Delta R.T. -0.013 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:330 Resp: 815

Ion	Ratio	Lower	Upper
330	100		
332	95.1	73.3	109.9
141	49.4	33.1	49.7



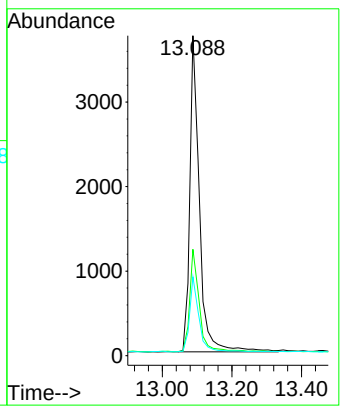
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

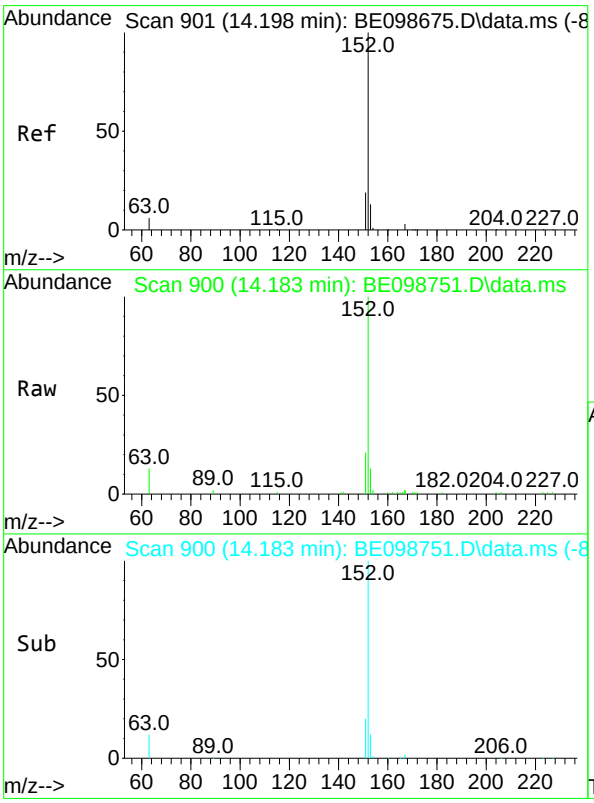


#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.088 min Scan# 824
Delta R.T. -0.015 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:172 Resp: 7174

Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.0	43.4
170	24.6	20.8	31.2

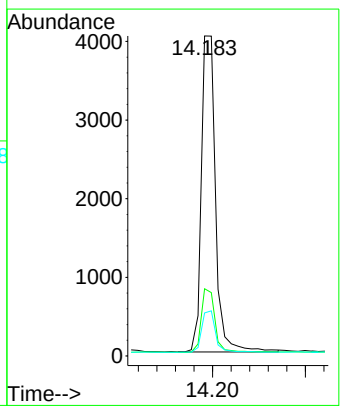




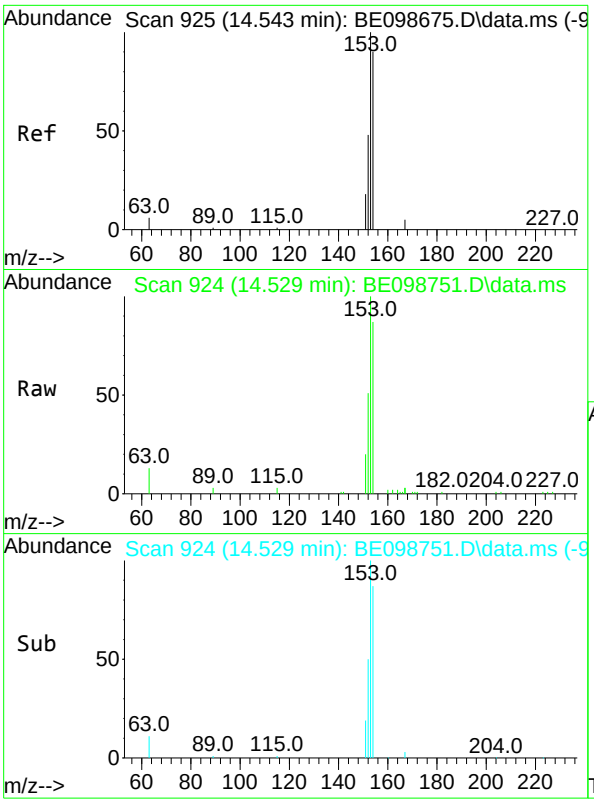
#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.183 min Scan# 900
Delta R.T. -0.015 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:152 Resp: 8544

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	12.8	10.7	16.1



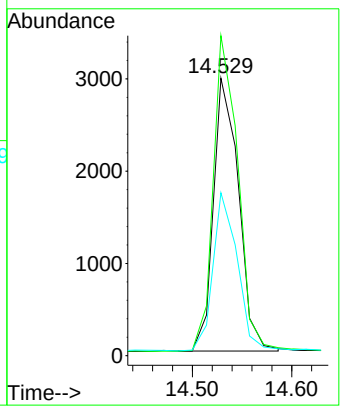
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

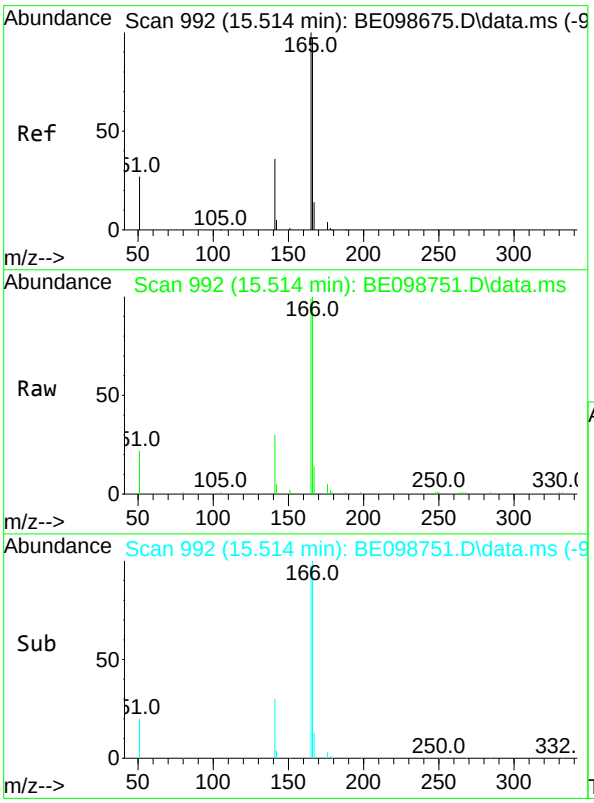


#17
Acenaphthene
Concen: 0.40 ng
RT: 14.529 min Scan# 924
Delta R.T. -0.014 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:154 Resp: 5199

Ion	Ratio	Lower	Upper
154	100		
153	113.5	93.9	140.9
152	56.0	45.8	68.8

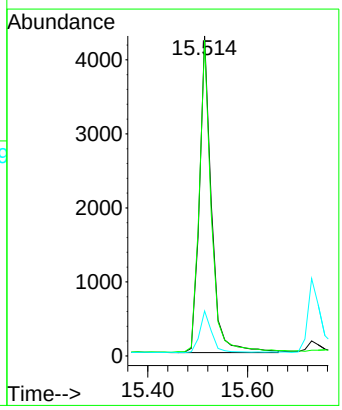




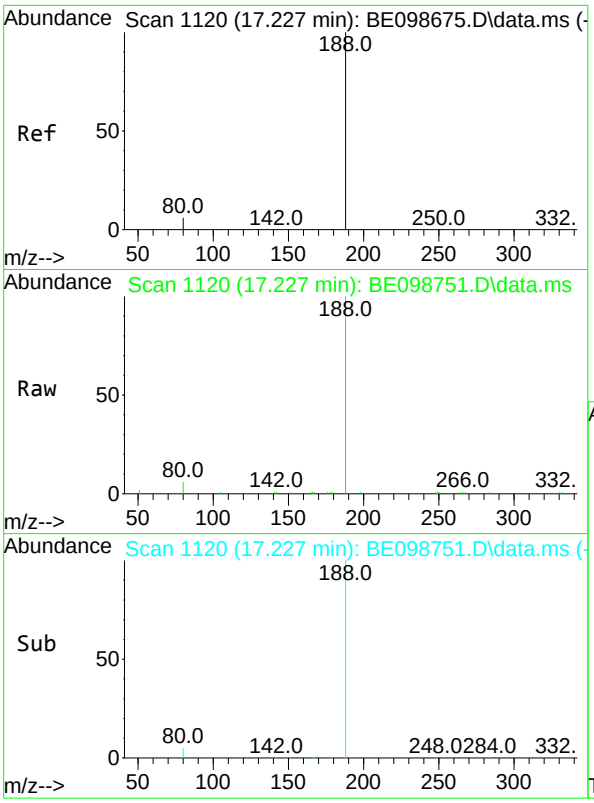
#18
Fluorene
Concen: 0.41 ng
RT: 15.514 min Scan# 992
Delta R.T. -0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:166 Resp: 7162

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.3	118.9
167	13.3	10.6	15.8



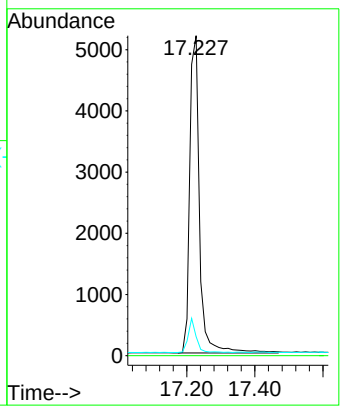
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

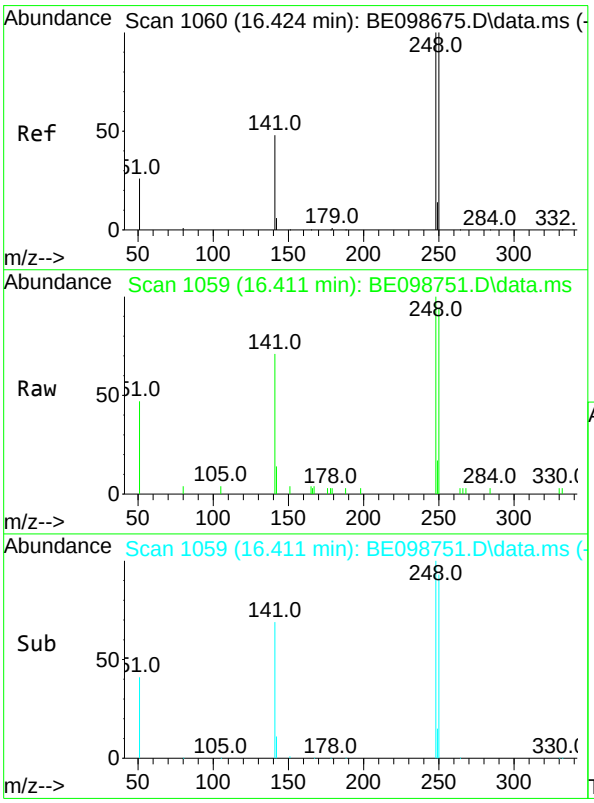


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.227 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:188 Resp: 10318

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.7	7.1

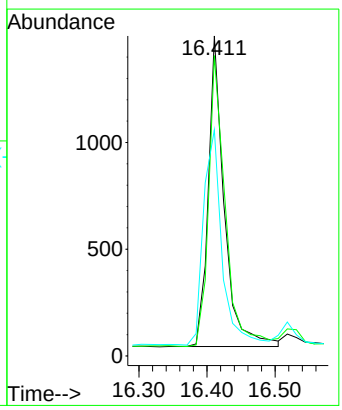




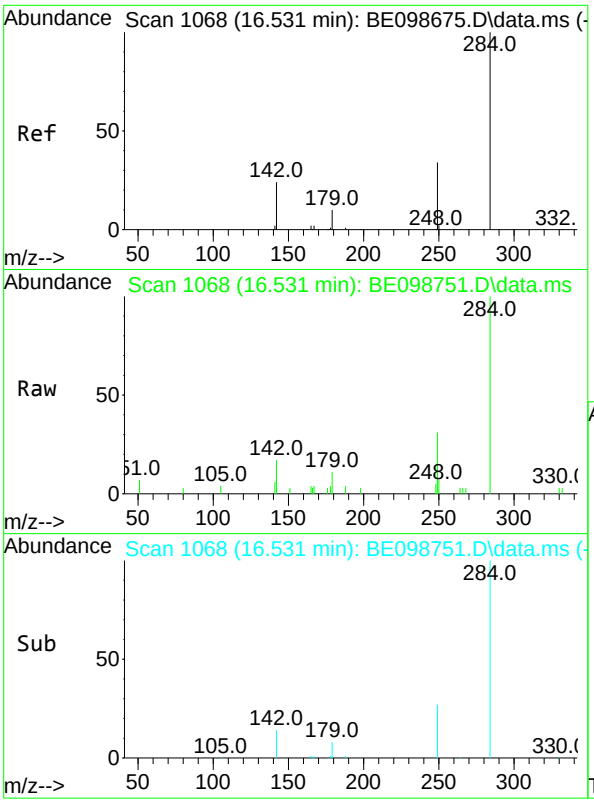
#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.411 min Scan# 1059
Delta R.T. -0.013 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:248 Resp: 2383

Ion	Ratio	Lower	Upper
248	100		
250	93.9	80.2	120.4
141	70.6	60.5	90.7



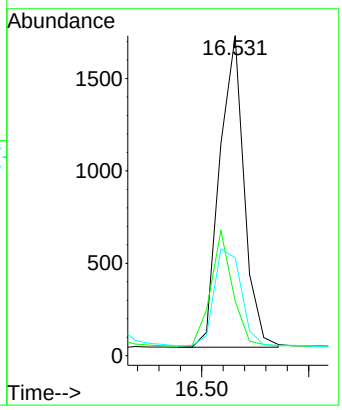
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

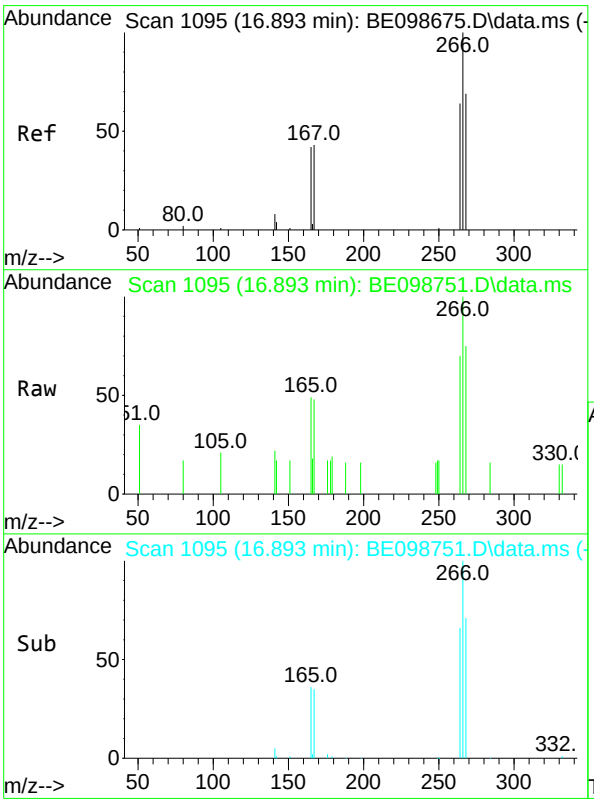


#21
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.531 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:284 Resp: 2675

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.5	38.3
249	34.6	26.6	39.8

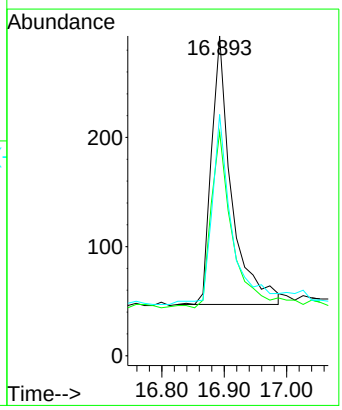




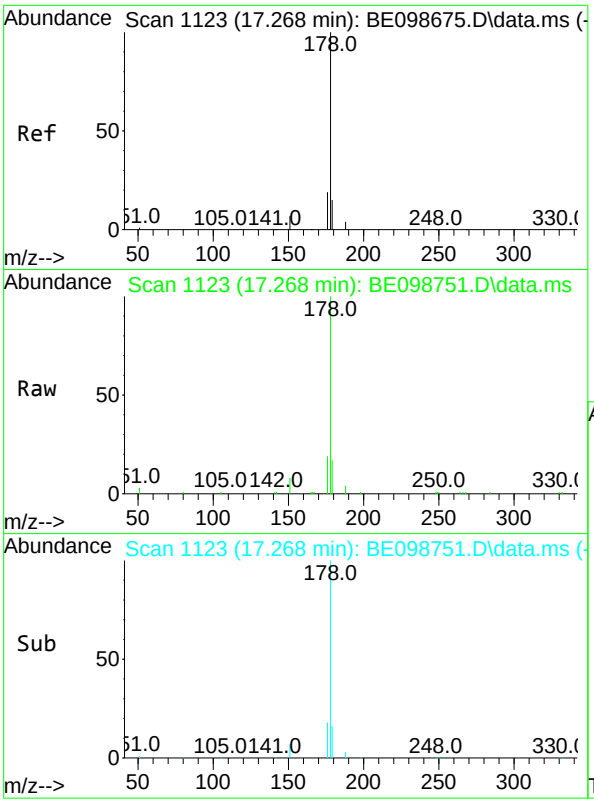
#22
Pentachlorophenol
Concen: 0.30 ng
RT: 16.893 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:266 Resp: 550

Ion	Ratio	Lower	Upper
266	100		
264	70.0	53.7	80.5
268	75.4	59.8	89.8



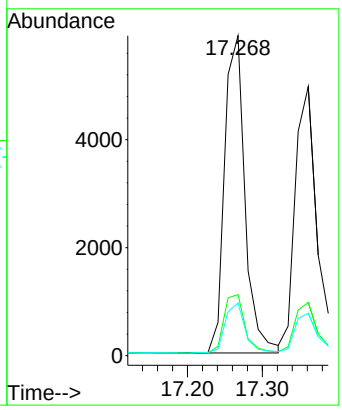
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

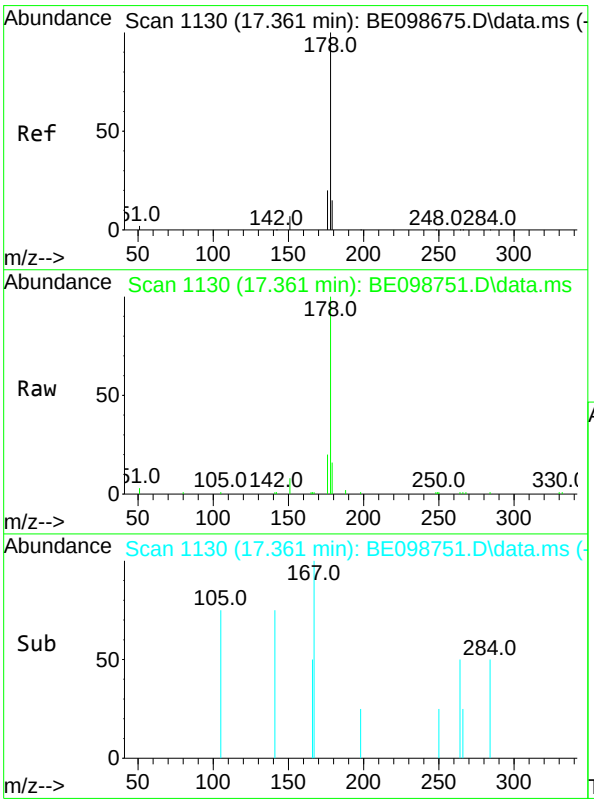


#23
Phenanthrene
Concen: 0.39 ng
RT: 17.268 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:178 Resp: 11173

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.5	12.2	18.4

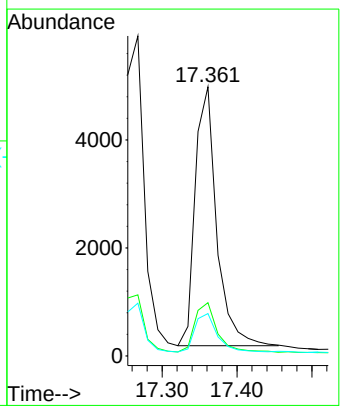




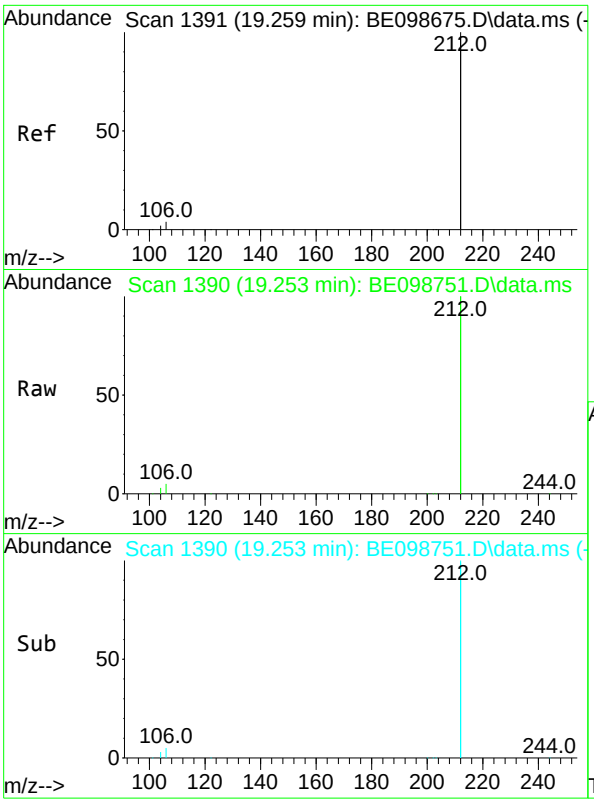
#24
Anthracene
Concen: 0.40 ng
RT: 17.361 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:178 Resp: 9558

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.9	22.3
179	15.5	11.8	17.8



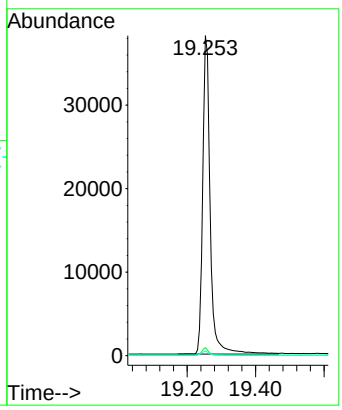
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

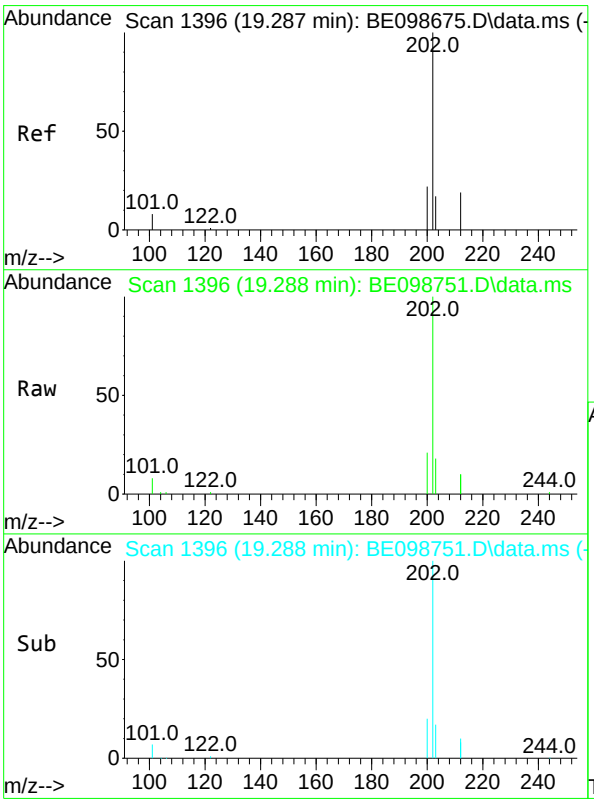


#25
Fluoranthene-d10
Concen: 0.39 ng
RT: 19.253 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:212 Resp: 57676

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.7	2.5
104	1.3	1.0	1.6

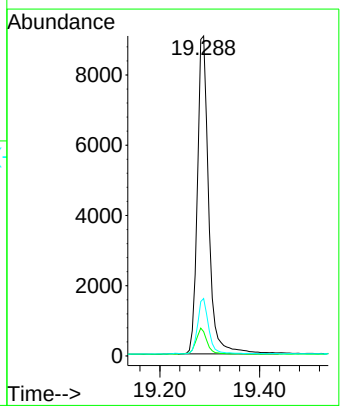




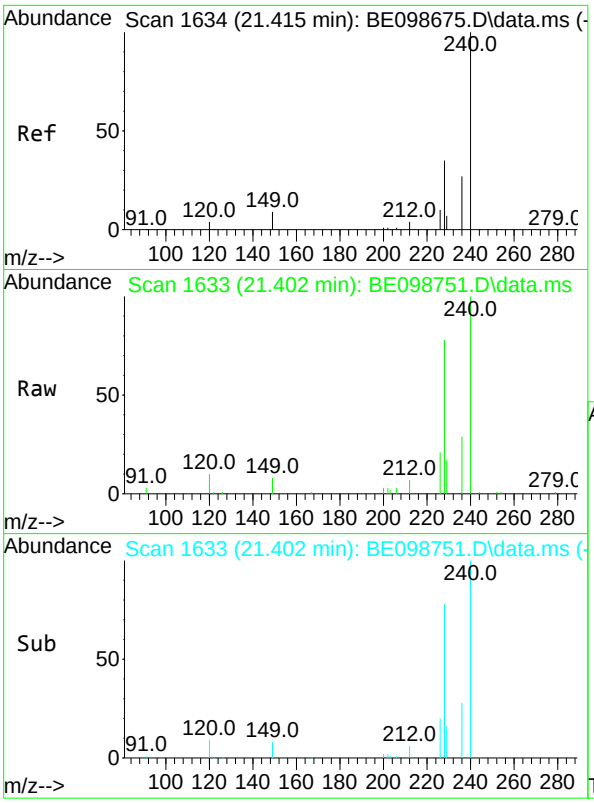
#26
Fluoranthene
Concen: 0.39 ng
RT: 19.288 min Scan# 1396
Delta R.T. 0.001 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:202 Resp: 14322

Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.7	10.1
203	17.0	13.3	19.9



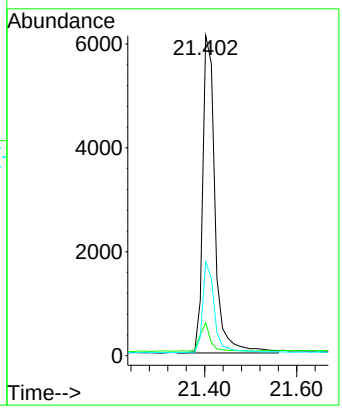
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

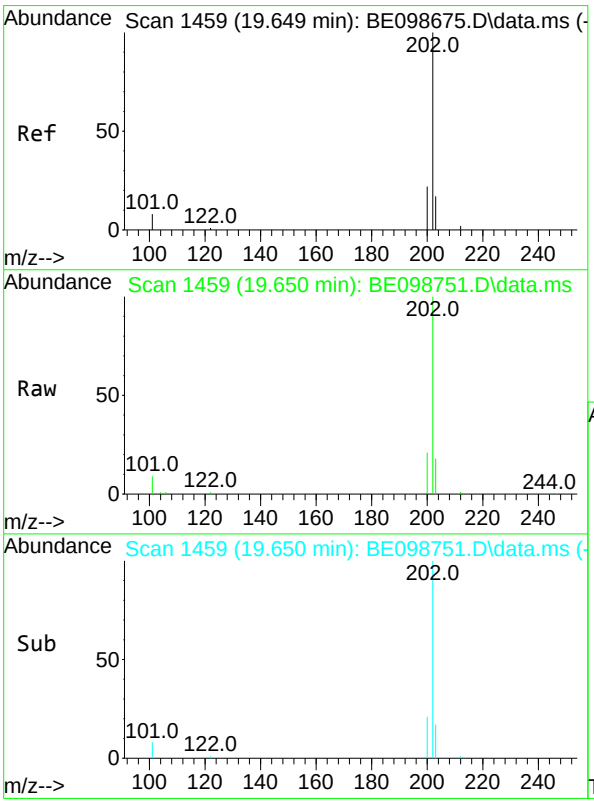


#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.402 min Scan# 1633
Delta R.T. -0.013 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:240 Resp: 11402

Ion	Ratio	Lower	Upper
240	100		
120	10.3	4.7	7.1#
236	29.2	21.9	32.9

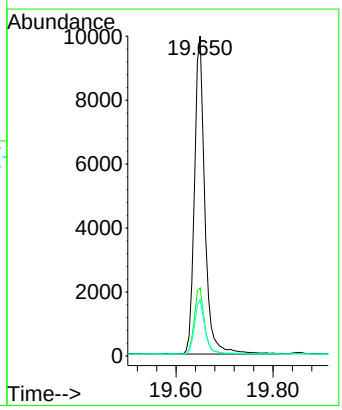




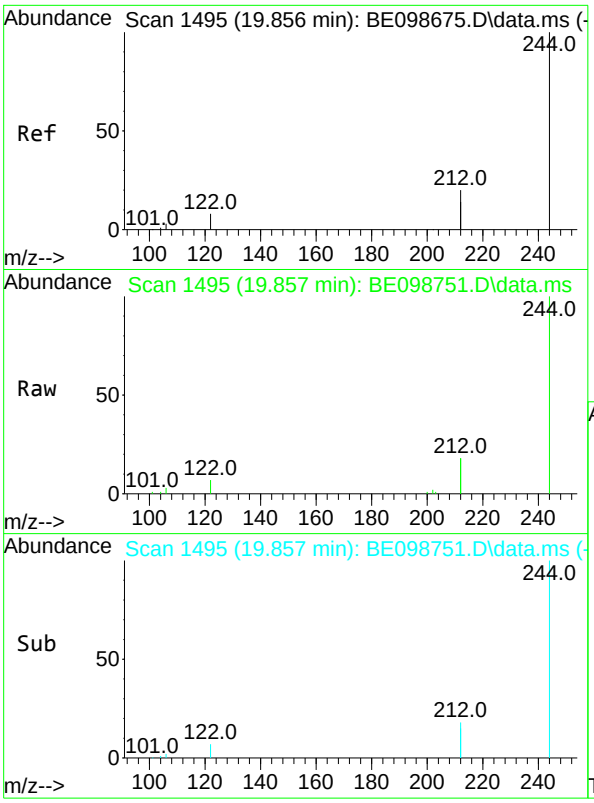
#28
Pyrene
Concen: 0.41 ng
RT: 19.650 min Scan# 1459
Delta R.T. 0.001 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:202 Resp: 14790

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.4	13.8	20.8



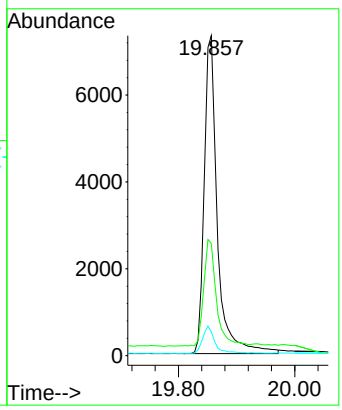
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

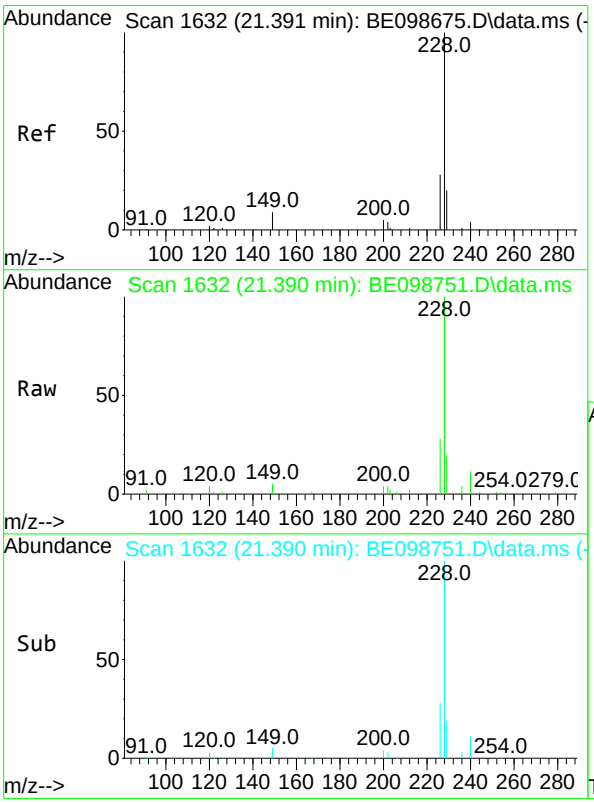


#29
Terphenyl-d14
Concen: 0.40 ng
RT: 19.857 min Scan# 1495
Delta R.T. 0.001 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:244 Resp: 11424

Ion	Ratio	Lower	Upper
244	100		
212	35.1	29.4	44.2
122	7.5	7.1	10.7

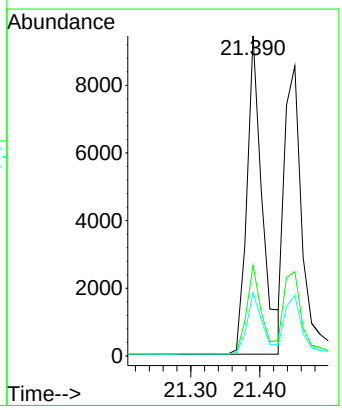




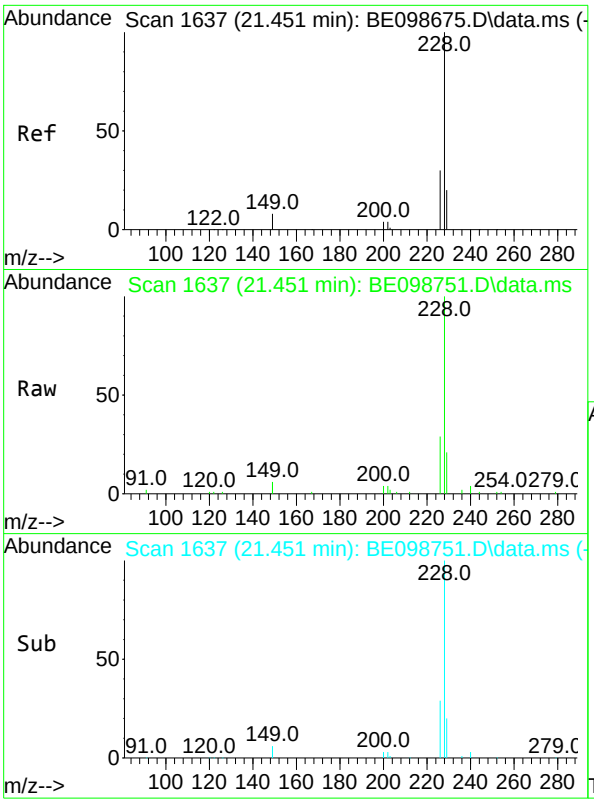
#30
Benzo(a)anthracene
Concen: 0.43 ng
RT: 21.390 min Scan# 1632
Delta R.T. -0.001 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:228 Resp: 14650

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	19.7	15.0	22.6



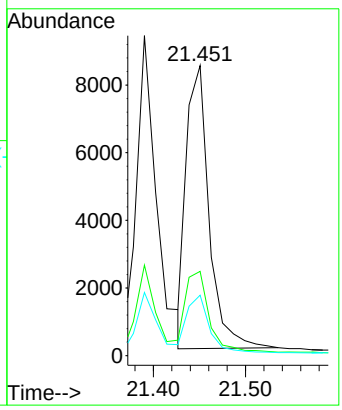
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

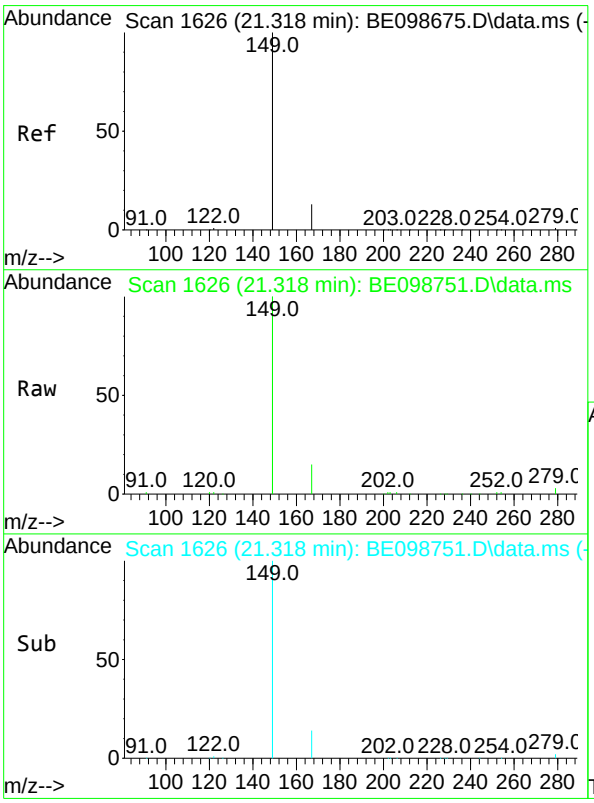


#31
Chrysene
Concen: 0.39 ng
RT: 21.451 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:228 Resp: 14403

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.6	36.8
229	20.8	16.4	24.6

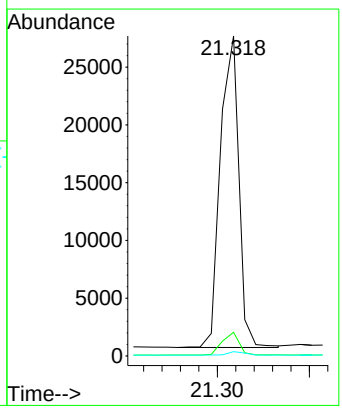




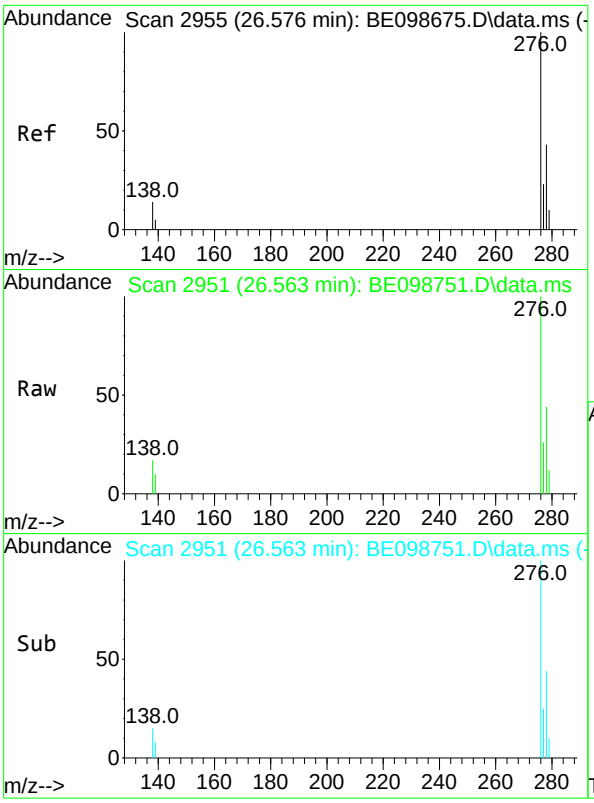
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.59 ng
RT: 21.318 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:149 Resp: 37630

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.2
279	1.2	1.0	1.4



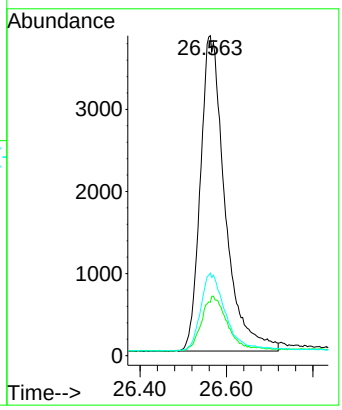
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

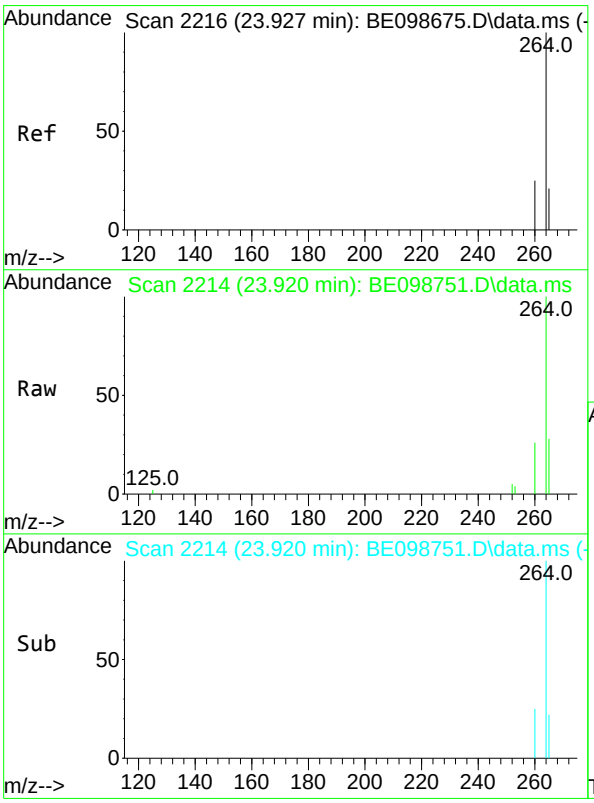


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.563 min Scan# 2951
Delta R.T. -0.013 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:276 Resp: 15211

Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.3	19.9
277	24.9	19.4	29.0

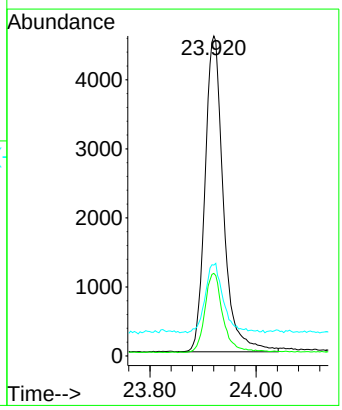




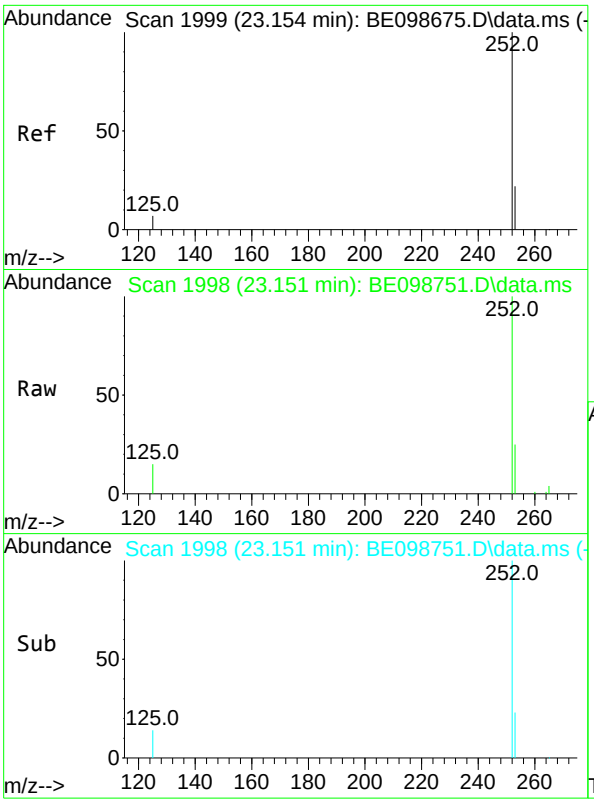
#34
Perylene-d12
Concen: 0.40 ng
RT: 23.920 min Scan# 2214
Delta R.T. -0.007 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:264 Resp: 11013

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	28.4	22.3	33.5



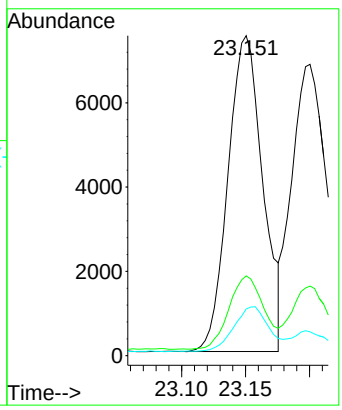
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

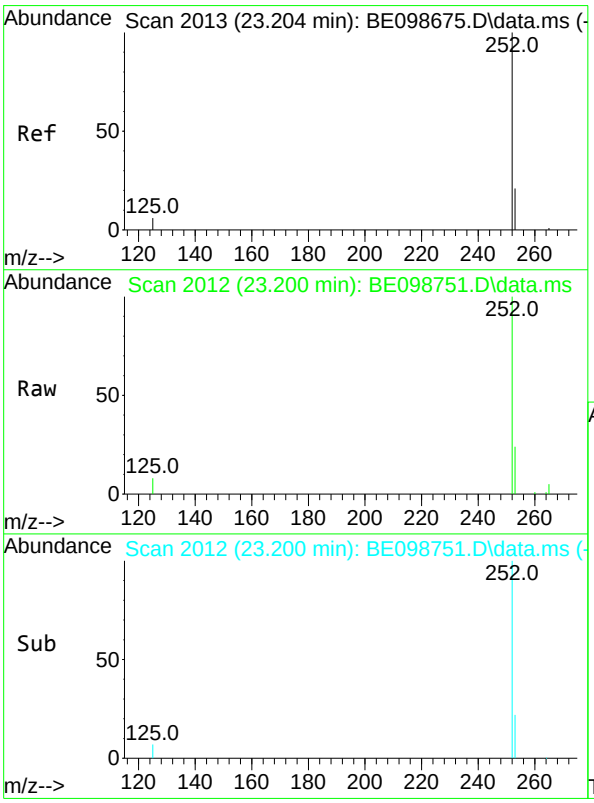


#35
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.151 min Scan# 1998
Delta R.T. -0.003 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:252 Resp: 14197

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.0
125	14.6	8.2	12.4#

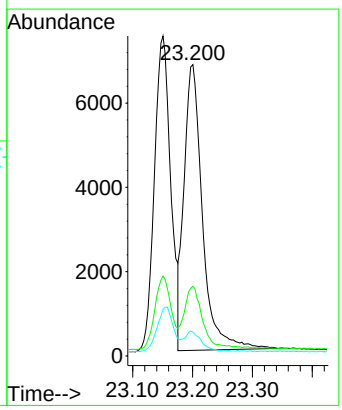




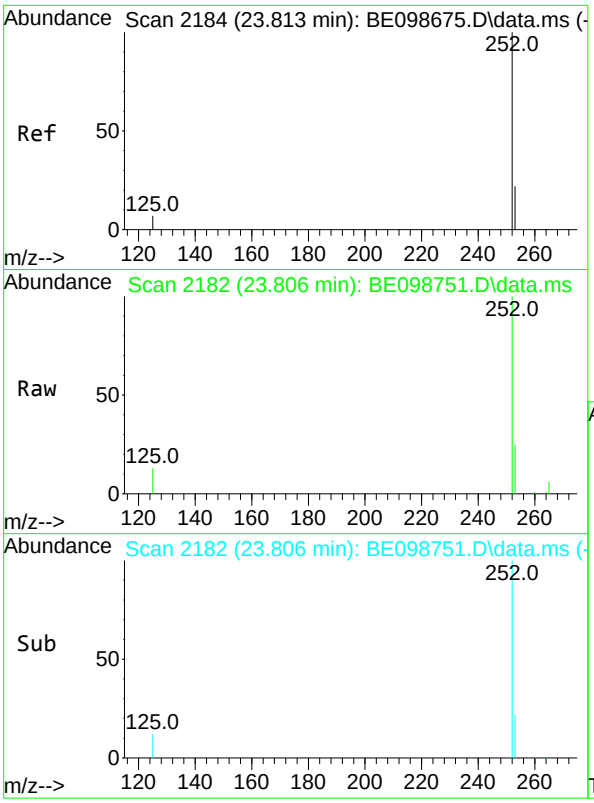
#36
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 23.200 min Scan# 2012
Delta R.T. -0.003 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:252 Resp: 14511

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.4
125	8.2	7.0	10.4



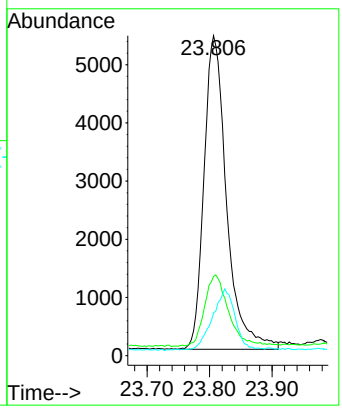
Instrument :
BNA_E
ClientSampleId :
PB117262BSD

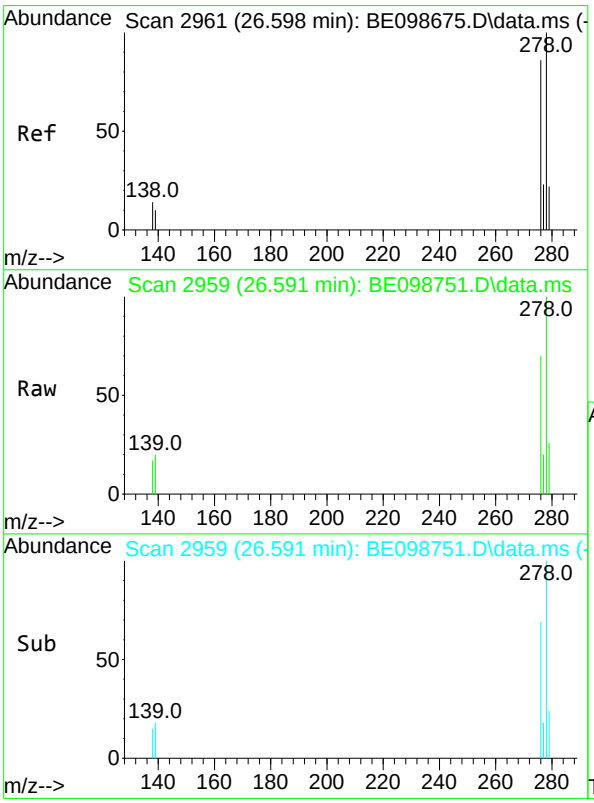


#37
Benzo(a)pyrene
Concen: 0.40 ng
RT: 23.806 min Scan# 2182
Delta R.T. -0.007 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:252 Resp: 13534

Ion	Ratio	Lower	Upper
252	100		
253	24.8	21.0	31.4
125	13.3	9.2	13.8

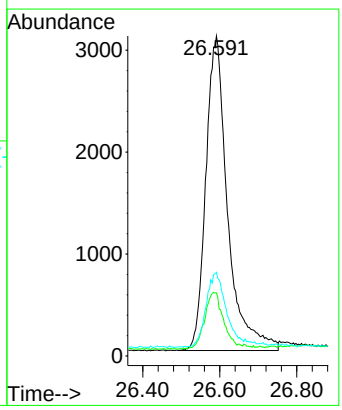


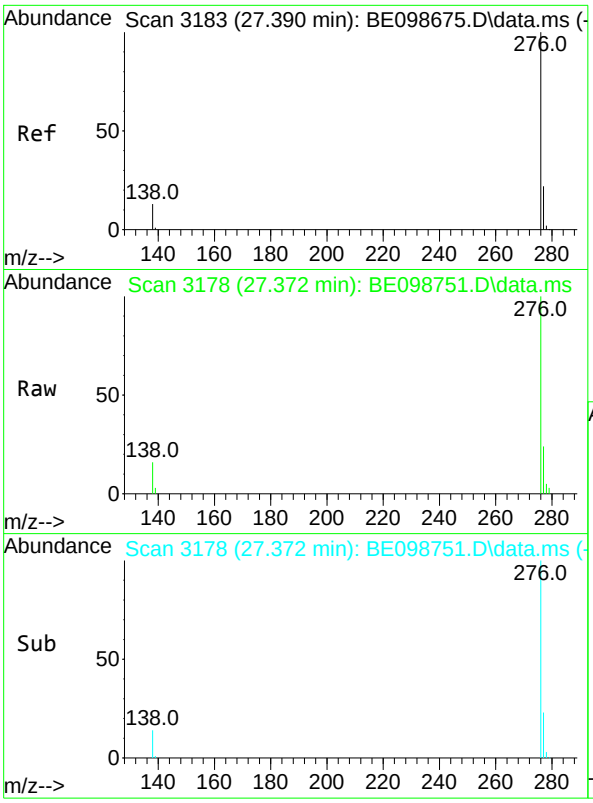


#38
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.591 min Scan# 2959
Delta R.T. -0.007 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:278 Resp: 12153

Ion	Ratio	Lower	Upper
278	100		
139	19.8	12.7	19.1#
279	26.1	22.0	33.0

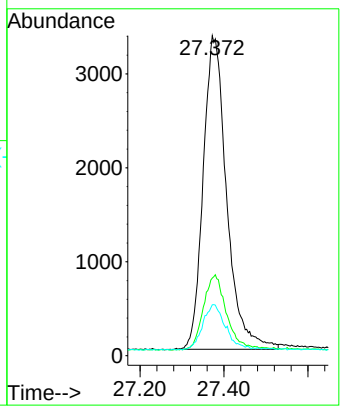




#39
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.372 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BE098751.D
Acq: 21 Feb 2019 16:51

Tgt Ion:276 Resp: 12965

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.3	30.5
138	15.9	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
PB117262BSD