Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040721\
Data File : BE101223.D
Acq On : 7 Apr 2021 11:47
Operator : CG/JU
Sample : PB135530BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB135530BS

Quant Time: Apr 07 13:05:42 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 07 10:22:45 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.838	152	3418	0.40	ng		0.00
7) Naphthalene-d8	10.615	136	15579	0.40	ng		0.00
13) Acenaphthene-d10	14.443	164	10706	0.40	ng		0.00
19) Phenanthrene-d10	17.195	188	29115	0.40	ng		#-0.01
29) Chrysene-d12	21.354	240	27051	0.40	ng		# 0.00
36) Perylene-d12	23.831	264	21124	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.420	112	2998	0.37	ng		0.00
5) Phenol-d6	6.986	99	4602	0.36	ng		0.00
8) Nitrobenzene-d5	8.978	82	4063	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.196	152	14075	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.955	330	966	0.34	ng		0.00
15) 2-Fluorobiphenyl	13.075	172	16066	0.42	ng		0.00
27) Fluoranthene-d10	19.215	212	206045	0.41	ng		0.00
31) Terphenyl-d14	19.812	244	34779	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.370	88	2006	0.38	ng		96
3) n-Nitrosodimethylamine	3.681	42	2204	0.40	ng	#	93
6) bis(2-Chloroethyl)ether	7.262	93	4803	0.41	ng		97
9) Naphthalene	10.667	128	68316	0.40	ng		100
10) Hexachlorobutadiene	10.953	225	3001	0.40	ng		99
12) 2-Methylnaphthalene	12.268	142	11761	0.39	ng		97
16) Acenaphthylene	14.170	152	15014	0.36	ng		99
17) Acenaphthene	14.515	154	12103	0.39	ng		97
18) Fluorene	15.502	166	16895	0.40	ng		98
20) 4,6-Dinitro-2-methylph...	15.577	198	950	0.36	ng		85
21) 4-Bromophenyl-phenylether	16.394	248	5714	0.40	ng	#	59
22) Hexachlorobenzene	16.515	284	5828	0.40	ng		98
23) Atrazine	16.666	200	3450	0.35	ng		94
24) Pentachlorophenol	16.848	266	1419	0.26	ng		97
25) Phenanthrene	17.241	178	35027	0.41	ng		100
26) Anthracene	17.331	178	27519	0.37	ng		99
28) Fluoranthene	19.243	202	46841	0.42	ng		100
30) Pyrene	19.605	202	44963	0.46	ng		100
32) Benzo(a)anthracene	21.342	228	27354	0.36	ng		99
33) Chrysene	21.390	228	36877	0.41	ng		98
34) Bis(2-ethylhexyl)phtha...	21.281	149	17593	0.32	ng		100
35) Indeno(1,2,3-cd)pyrene	26.441	276	26428	0.40	ng		100
37) Benzo(b)fluoranthene	23.072	252	25701	0.37	ng		100
38) Benzo(k)fluoranthene	23.122	252	29996	0.39	ng		100
39) Benzo(a)pyrene	23.720	252	20999	0.36	ng		99
40) Dibenzo(a,h)anthracene	26.466	278	22994	0.40	ng		99
41) Benzo(g,h,i)perylene	27.240	276	25559	0.41	ng		99

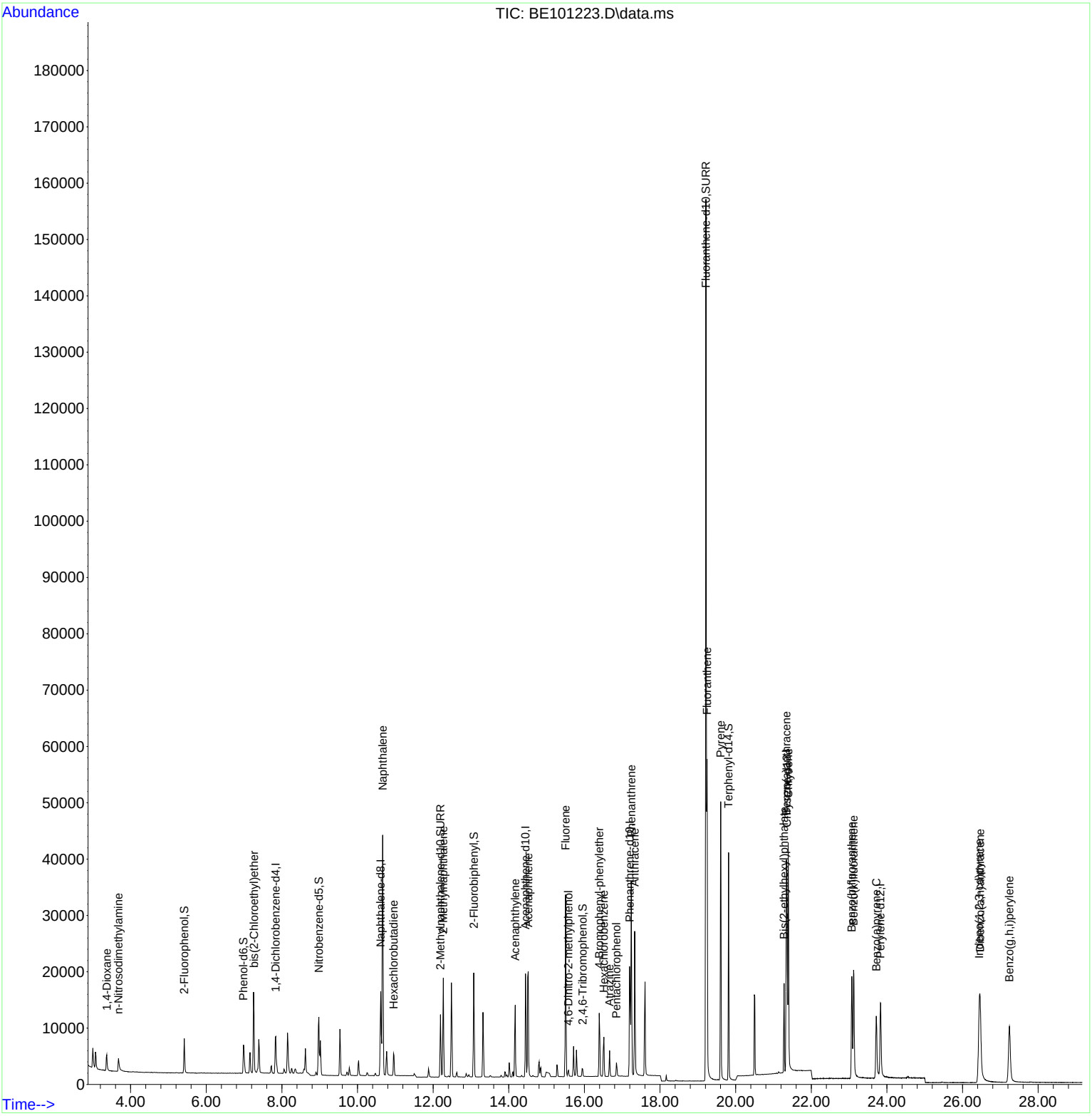
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

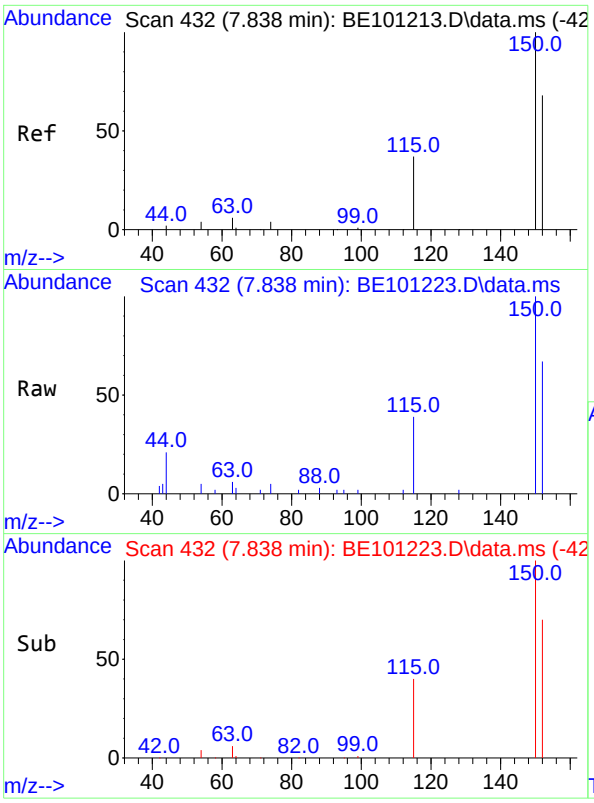
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040721\
Data File : BE101223.D
Acq On : 7 Apr 2021 11:47
Operator : CG/JU
Sample : PB135530BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB135530BS

Quant Time: Apr 07 13:05:42 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 07 10:22:45 2021
Response via : Initial Calibration



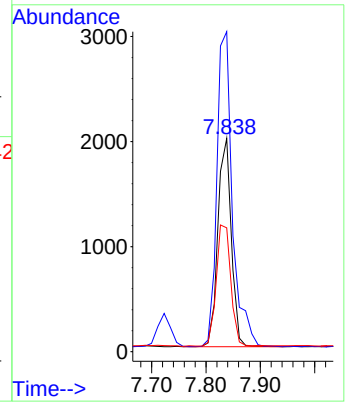
Instrument :
BNA_E
ClientSampleId :
PB135530BS

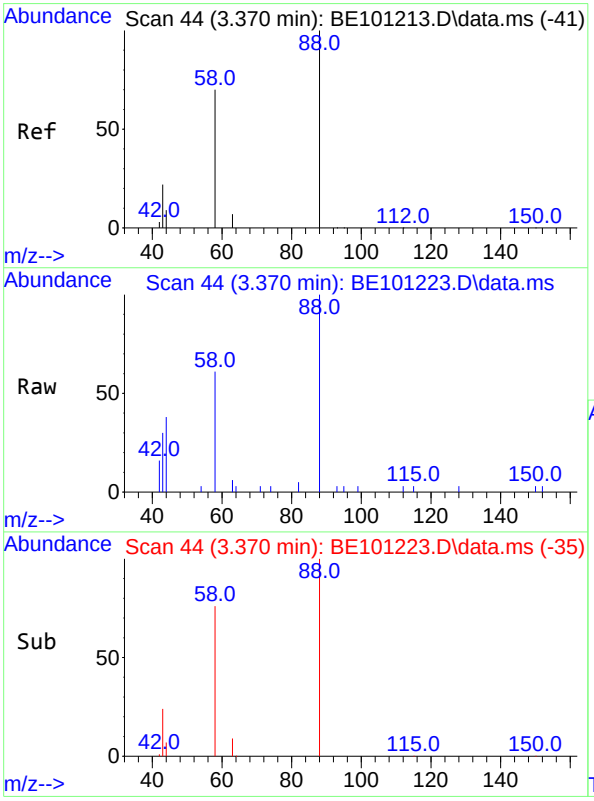


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.838 min Scan# 432
Delta R.T. 0.008 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:152 Resp: 3418

Ion	Ratio	Lower	Upper
152	100		
150	150.0	116.9	175.3
115	58.1	44.5	66.7

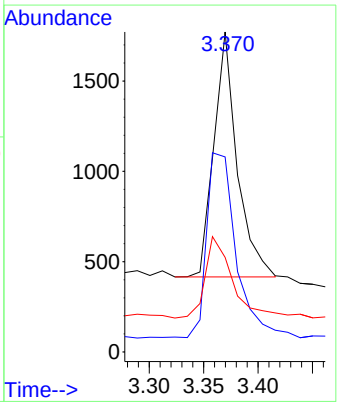




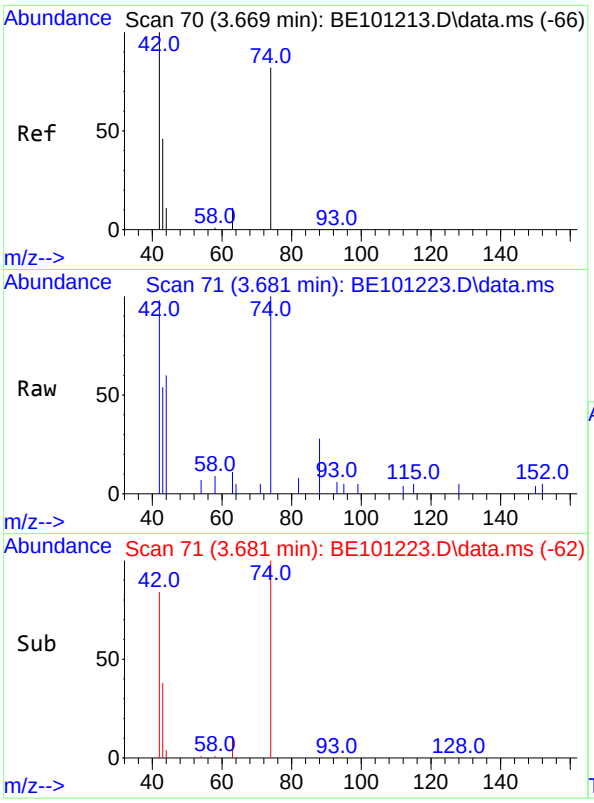
#2
1,4-Dioxane
Concen: 0.38 ng
RT: 3.370 min Scan# 44
Delta R.T. 0.009 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion: 88 Resp: 2006

Ion	Ratio	Lower	Upper
88	100		
58	94.8	73.6	110.4
43	38.7	27.6	41.4



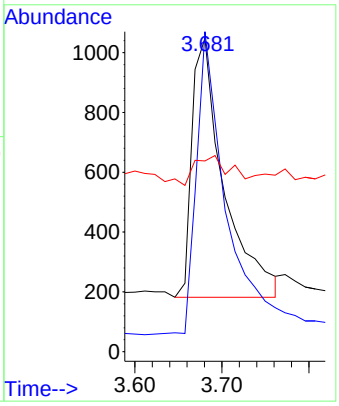
Instrument :
BNA_E
ClientSampleId :
PB135530BS

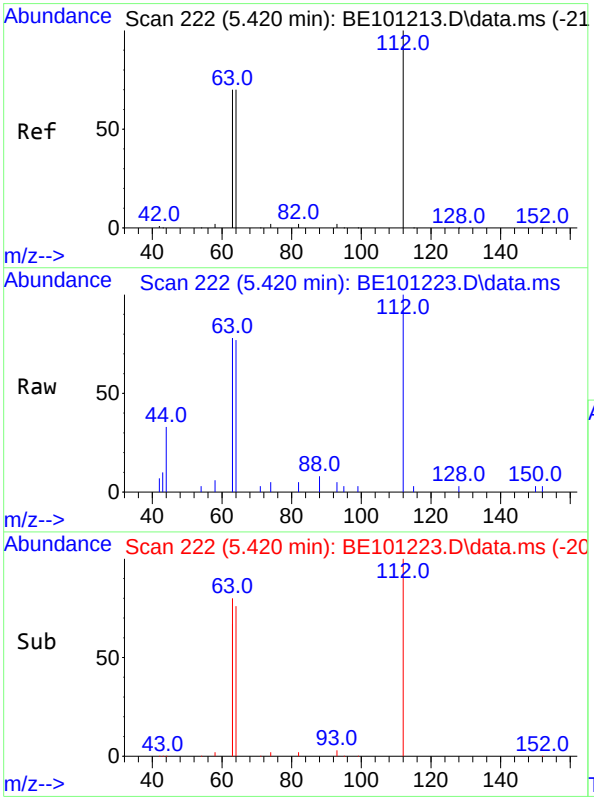


#3
n-Nitrosodimethylamine
Concen: 0.40 ng
RT: 3.681 min Scan# 71
Delta R.T. 0.009 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion: 42 Resp: 2204

Ion	Ratio	Lower	Upper
42	100		
74	108.8	92.7	139.1
44	10.4	10.7	16.1#

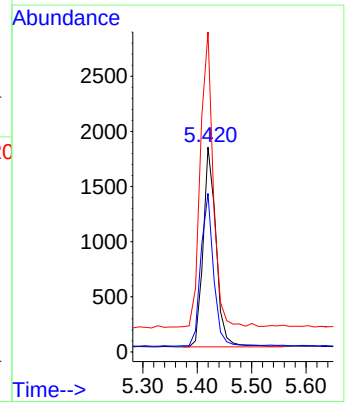




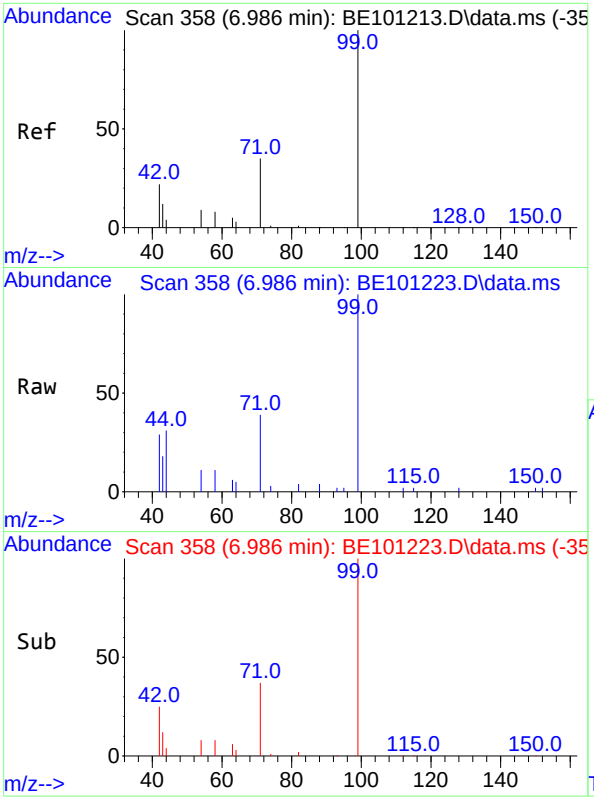
#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.420 min Scan# 222
Delta R.T. -0.003 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:112 Resp: 2998

Ion	Ratio	Lower	Upper
112	100		
64	75.6	62.3	93.5
63	146.5	117.3	175.9



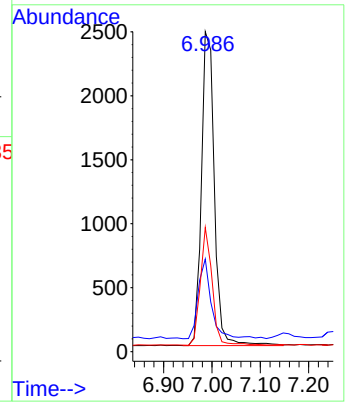
Instrument :
BNA_E
ClientSampleId :
PB135530BS

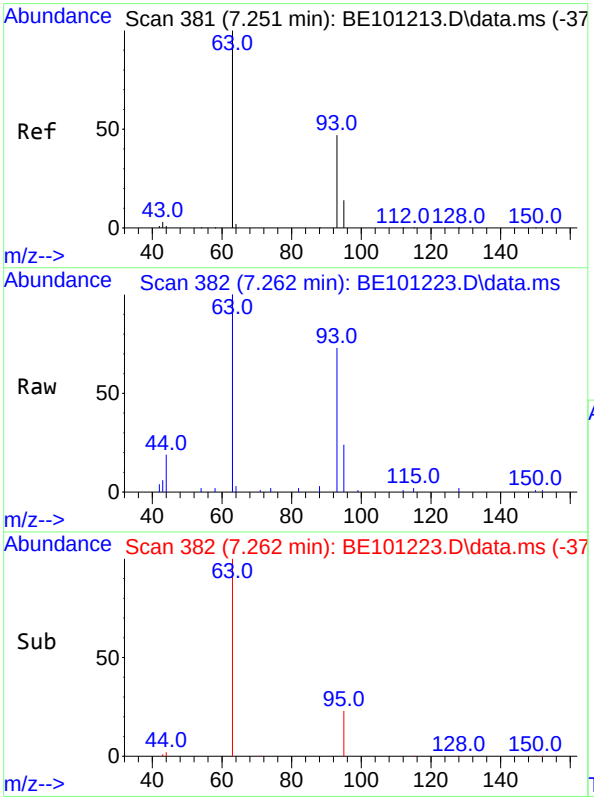


#5
Phenol-d6
Concen: 0.36 ng
RT: 6.986 min Scan# 358
Delta R.T. -0.003 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion: 99 Resp: 4602

Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.5	27.7
71	34.1	26.5	39.7

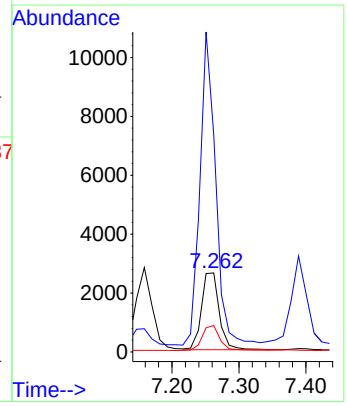




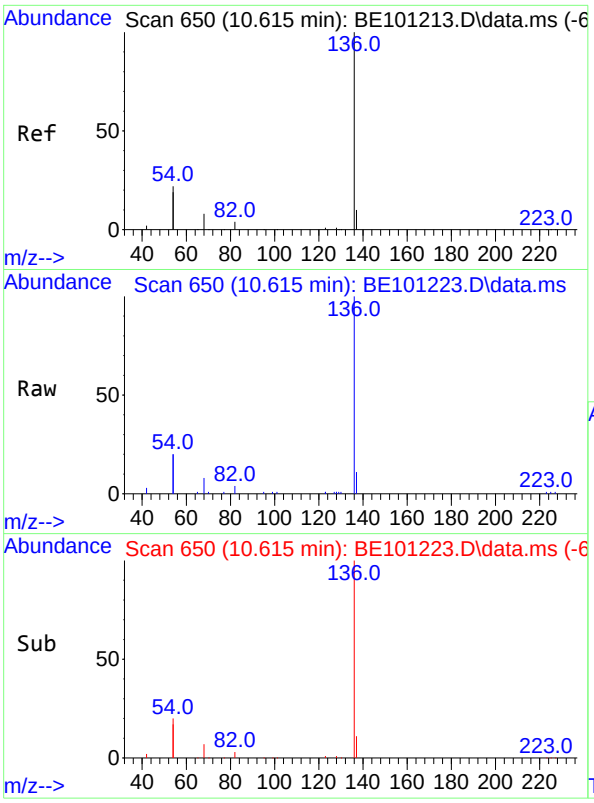
#6
bis(2-Chloroethyl)ether
Concen: 0.41 ng
RT: 7.262 min Scan# 382
Delta R.T. 0.009 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion: 93 Resp: 4803

Ion	Ratio	Lower	Upper
93	100		
63	359.4	292.5	438.7
95	32.7	25.7	38.5



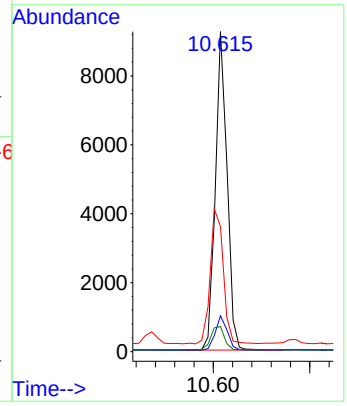
Instrument :
BNA_E
ClientSampleId :
PB135530BS

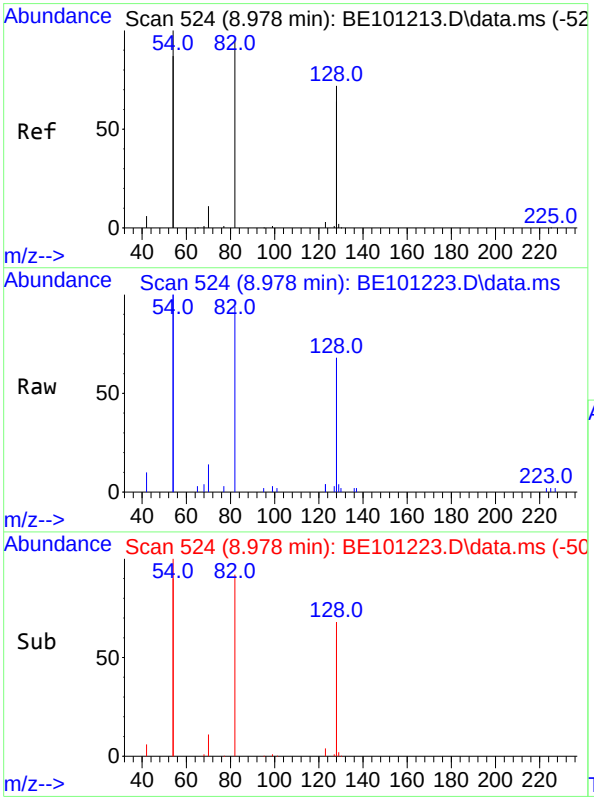


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.615 min Scan# 650
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:136 Resp: 15579

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	39.1	34.7	52.1
68	7.9	7.0	10.4

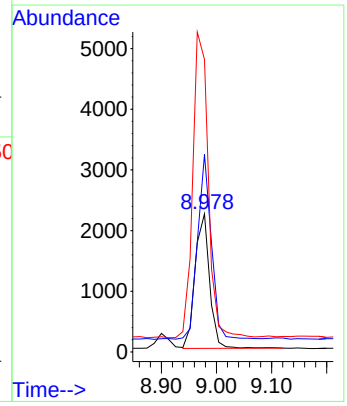




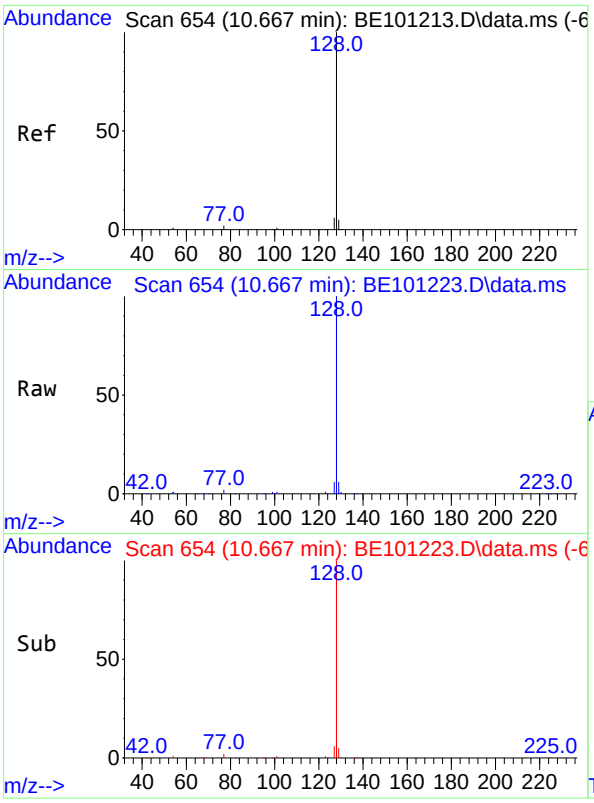
#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.978 min Scan# 524
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion: 82 Resp: 4063

Ion	Ratio	Lower	Upper
82	100		
128	143.0	118.7	178.1
54	211.7	164.4	246.6



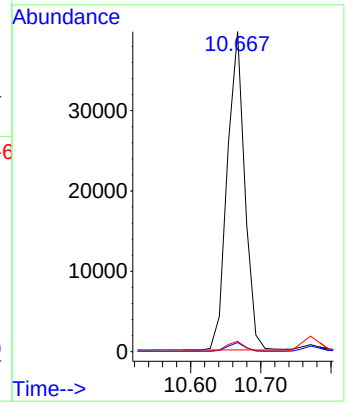
Instrument :
BNA_E
ClientSampleId :
PB135530BS

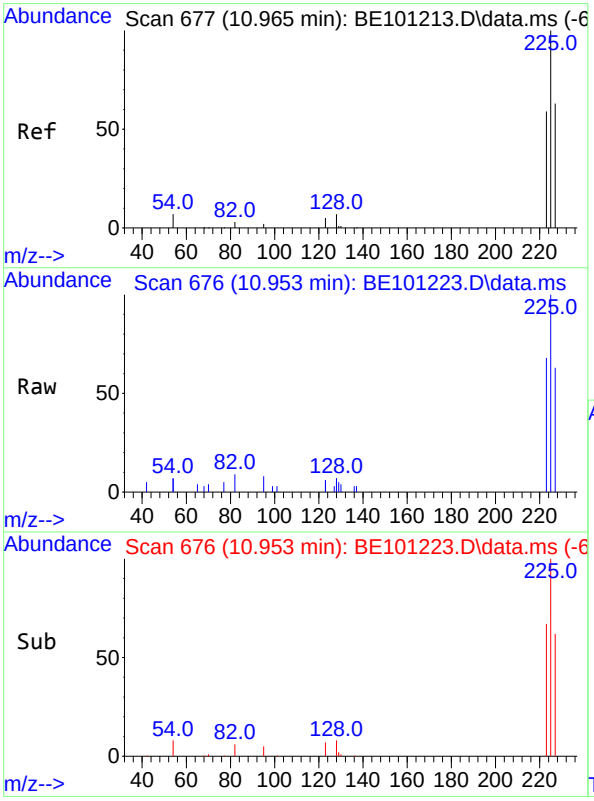


#9
Naphthalene
Concen: 0.40 ng
RT: 10.667 min Scan# 654
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:128 Resp: 68316

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.2	2.6	3.8

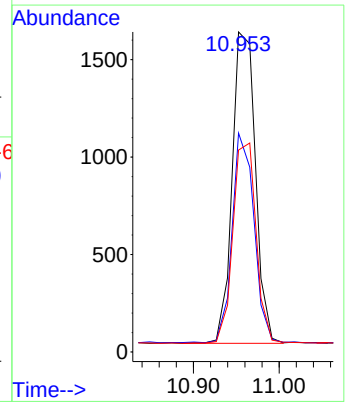




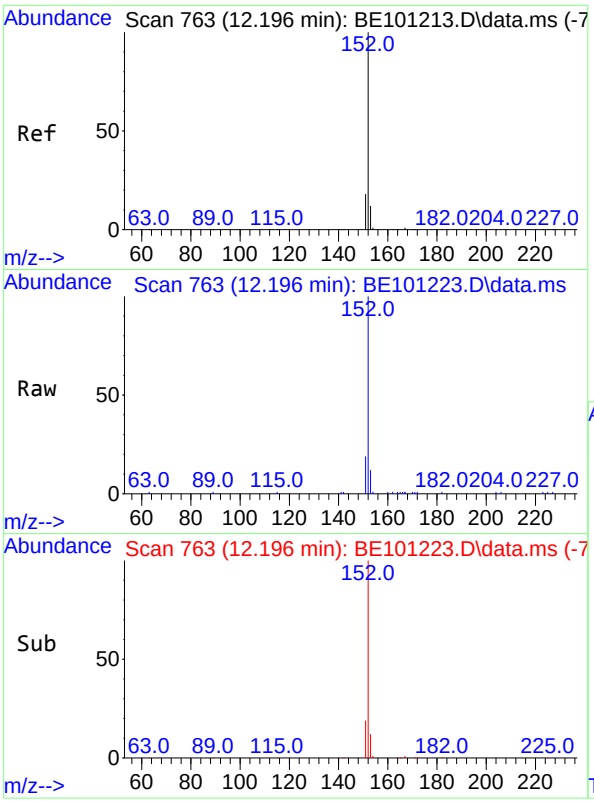
#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 10.953 min Scan# 676
Delta R.T. -0.013 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:225 Resp: 3001

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6
227	64.4	50.1	75.1



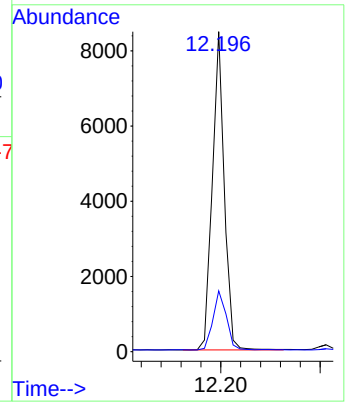
Instrument :
BNA_E
ClientSampleId :
PB135530BS

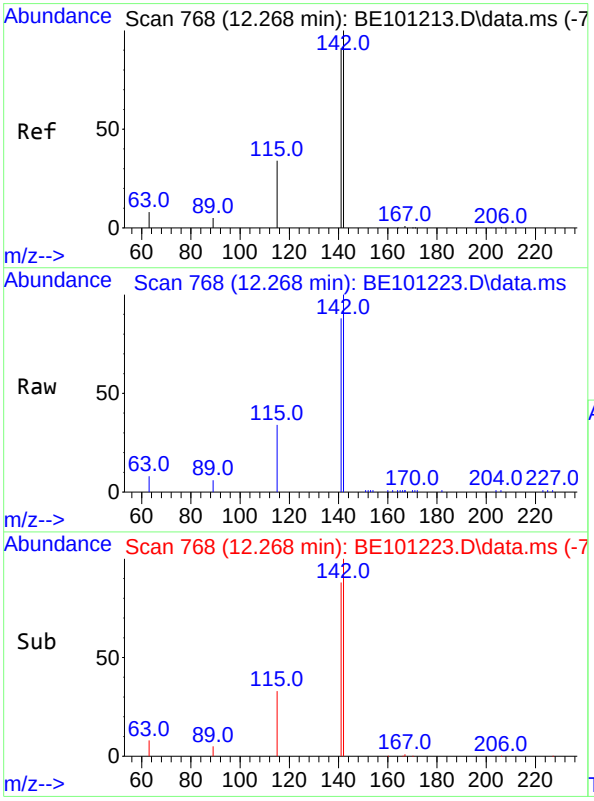


#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:152 Resp: 14075

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.5	24.7

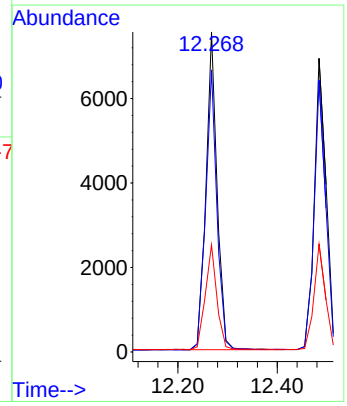




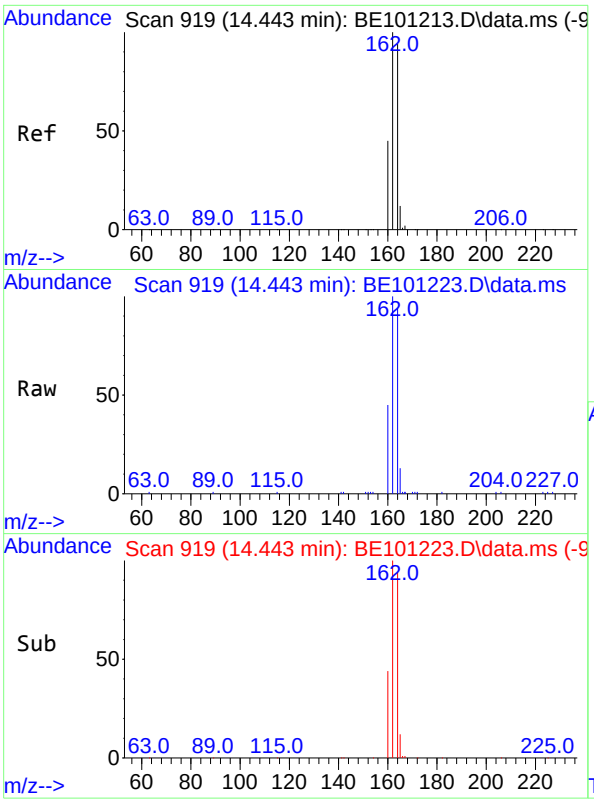
#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.268 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:142 Resp: 11761

Ion	Ratio	Lower	Upper
142	100		
141	88.1	73.0	109.6
115	33.5	27.8	41.8



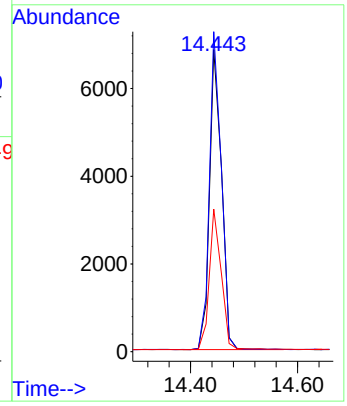
Instrument :
BNA_E
ClientSampleId :
PB135530BS

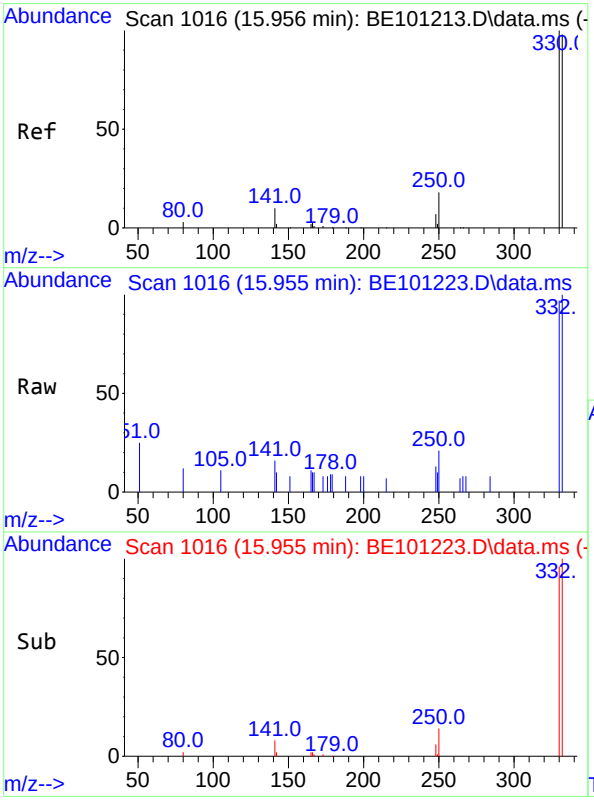


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:164 Resp: 10706

Ion	Ratio	Lower	Upper
164	100		
162	106.0	85.3	127.9
160	47.2	39.1	58.7

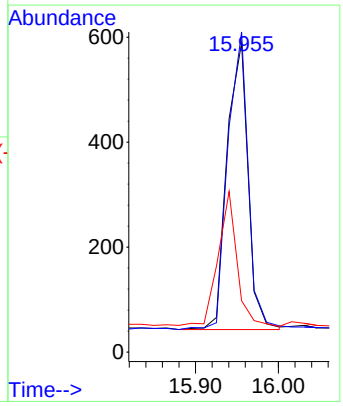




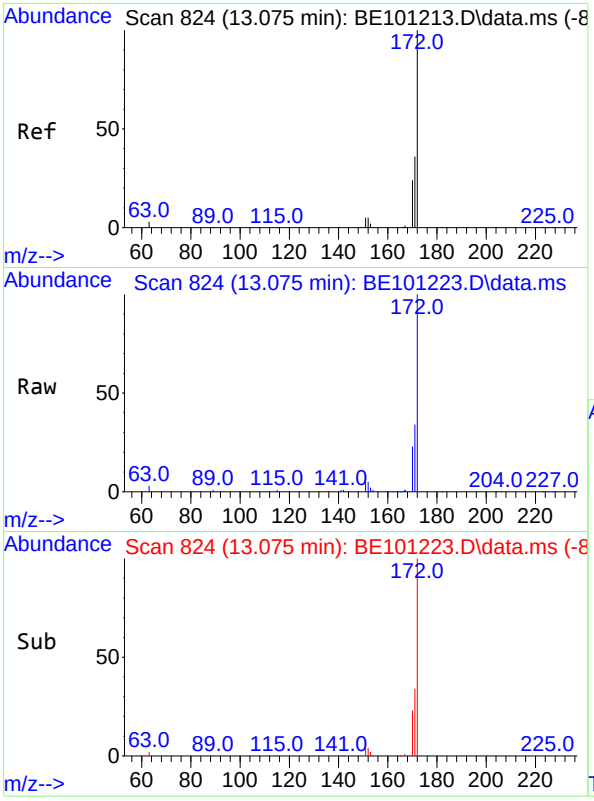
#14
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 15.955 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:330 Resp: 966

Ion	Ratio	Lower	Upper
330	100		
332	100.5	77.8	116.6
141	42.0	30.4	45.6



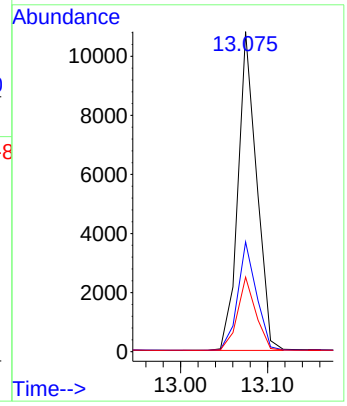
Instrument :
BNA_E
ClientSampleId :
PB135530BS

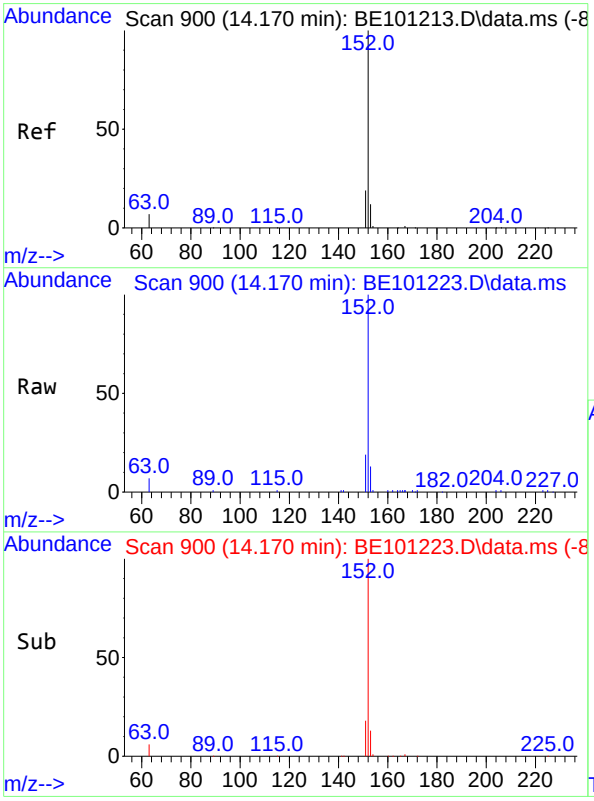


#15
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.075 min Scan# 824
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:172 Resp: 16066

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.7	43.1
170	23.3	19.3	28.9

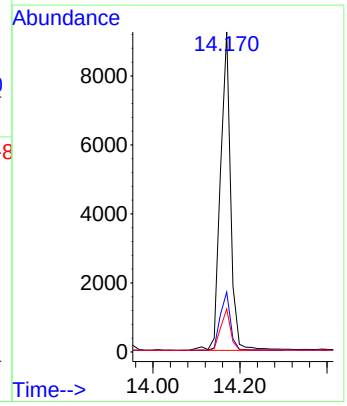




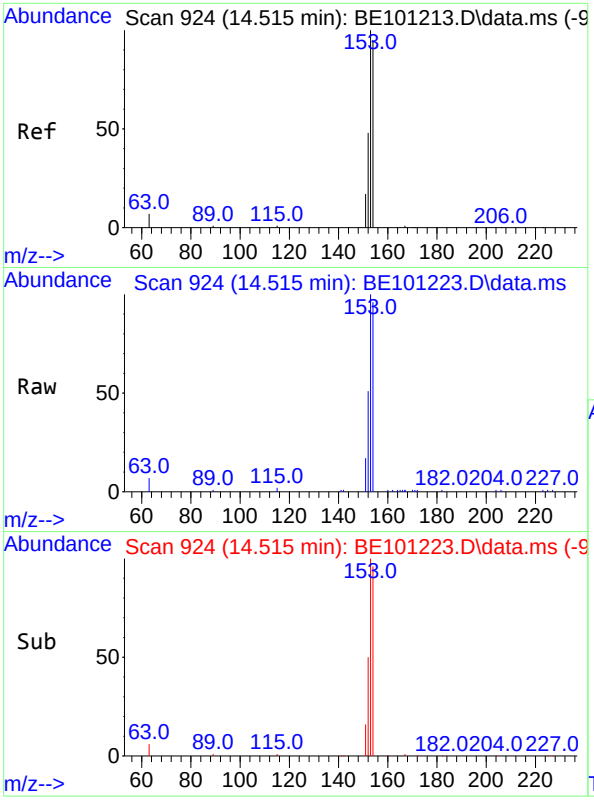
#16
Acenaphthylene
Concen: 0.36 ng
RT: 14.170 min Scan# 900
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:152 Resp: 15014

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2
153	13.0	10.0	15.0



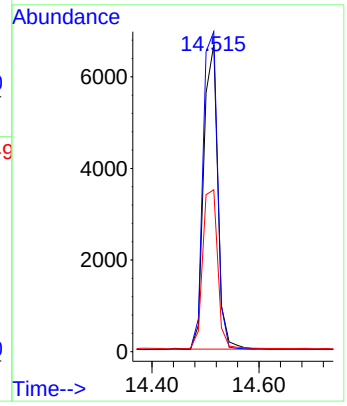
Instrument :
BNA_E
ClientSampleId :
PB135530BS

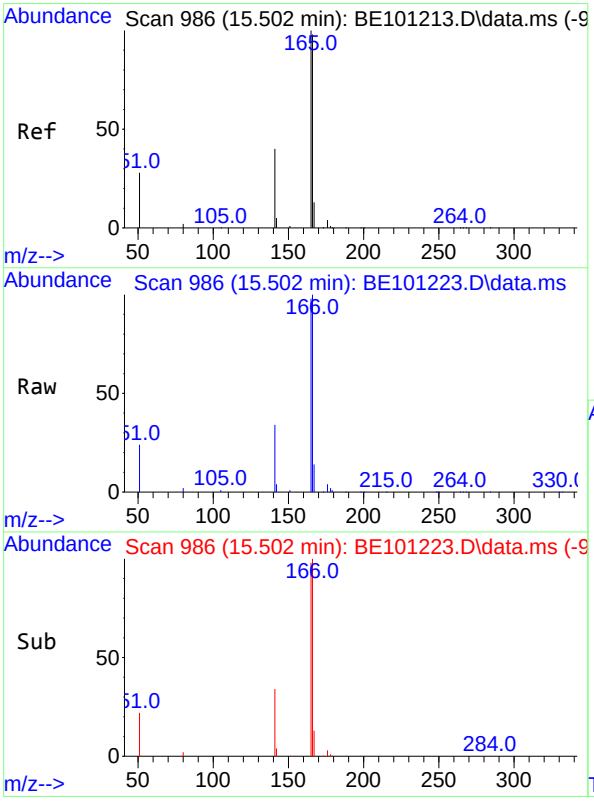


#17
Acenaphthene
Concen: 0.39 ng
RT: 14.515 min Scan# 924
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:154 Resp: 12103

Ion	Ratio	Lower	Upper
154	100		
153	108.4	84.9	127.3
152	56.3	42.7	64.1

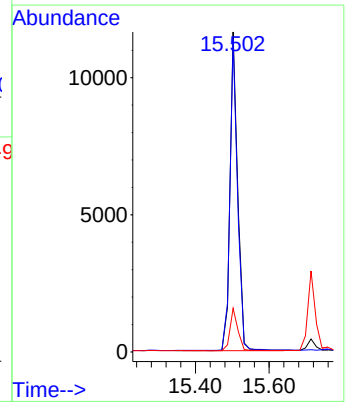




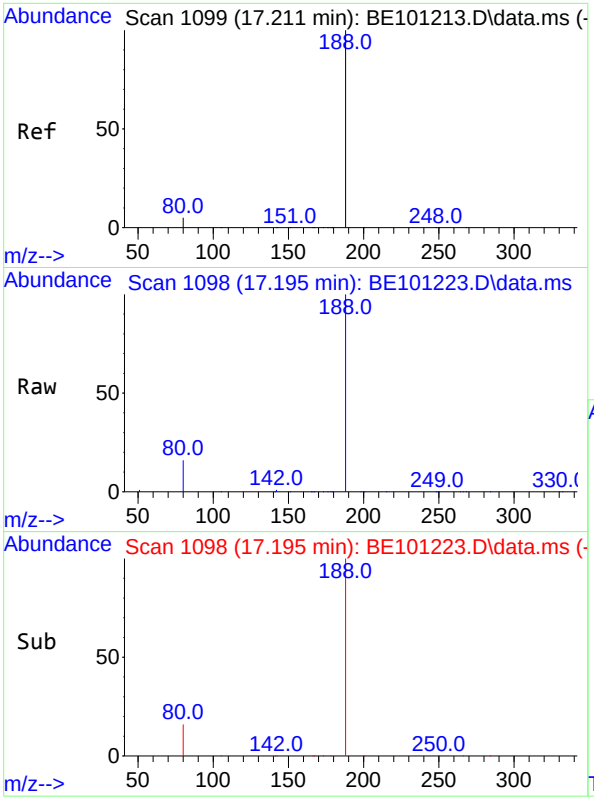
#18
Fluorene
Concen: 0.40 ng
RT: 15.502 min Scan# 986
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:166 Resp: 16895

Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.0	118.4
167	13.5	11.0	16.4



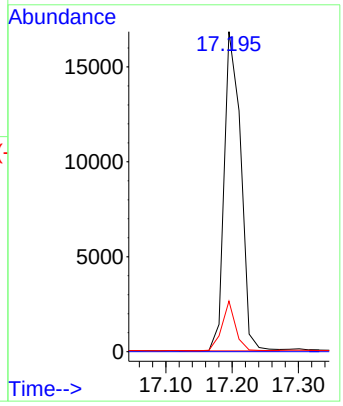
Instrument :
BNA_E
ClientSampleId :
PB135530BS

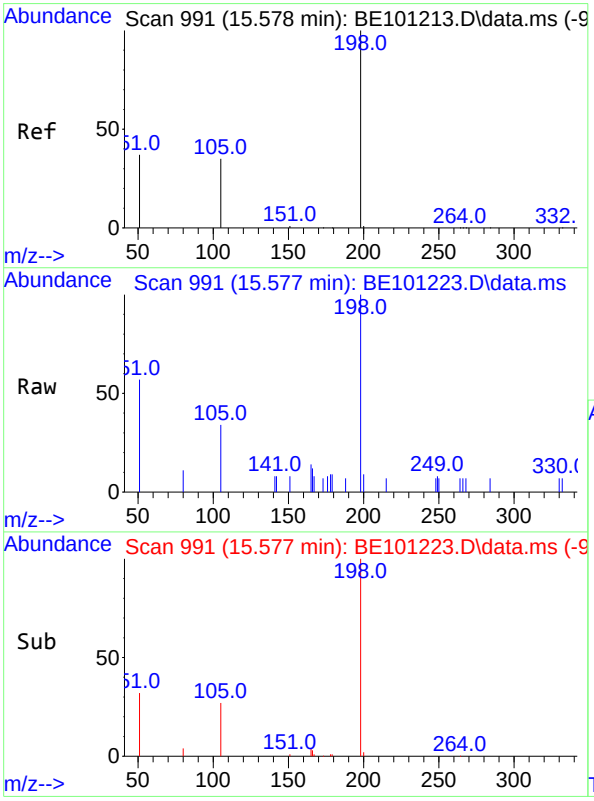


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.195 min Scan# 1098
Delta R.T. -0.015 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:188 Resp: 29115

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.8	4.6	6.8#

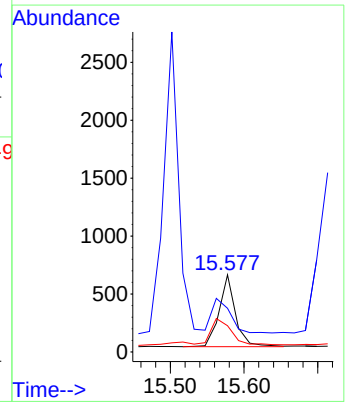




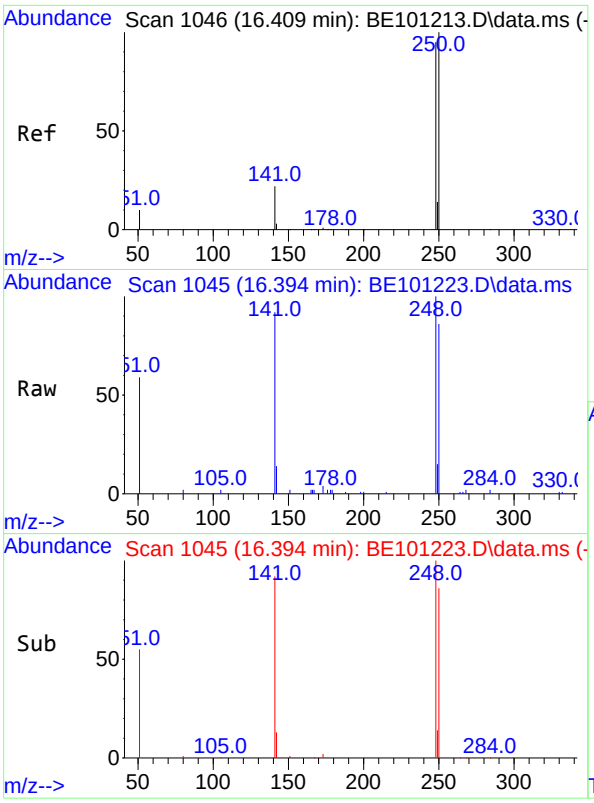
#20
4,6-Dinitro-2-methylphenol
Concen: 0.36 ng
RT: 15.577 min Scan# 991
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:198 Resp: 950

Ion	Ratio	Lower	Upper
198	100		
51	56.6	55.9	83.9
105	34.1	33.6	50.4



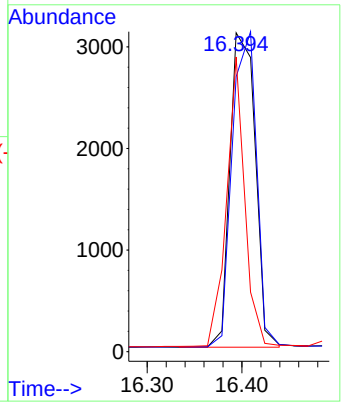
Instrument :
BNA_E
ClientSampleId :
PB135530BS

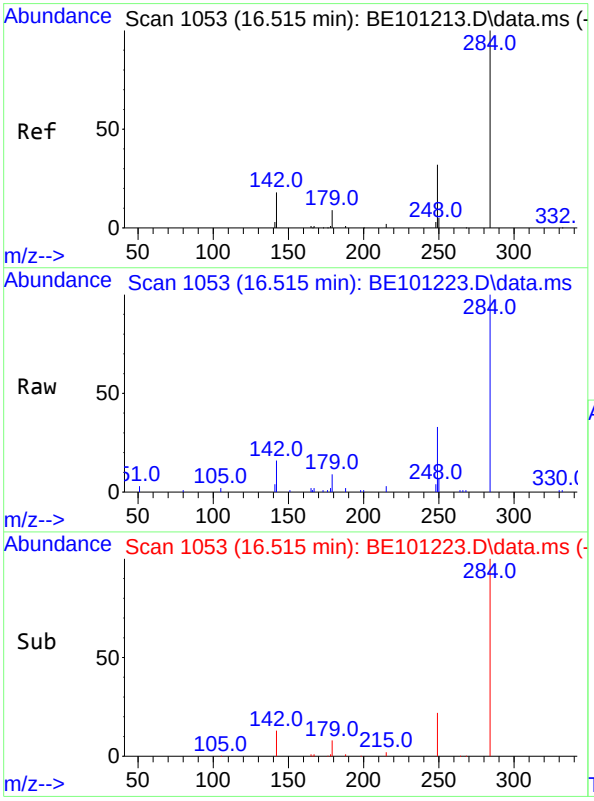


#21
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.394 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:248 Resp: 5714

Ion	Ratio	Lower	Upper
248	100		
250	86.3	84.5	126.7
141	92.4	19.8	29.8#

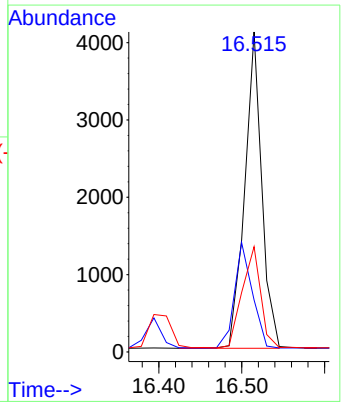




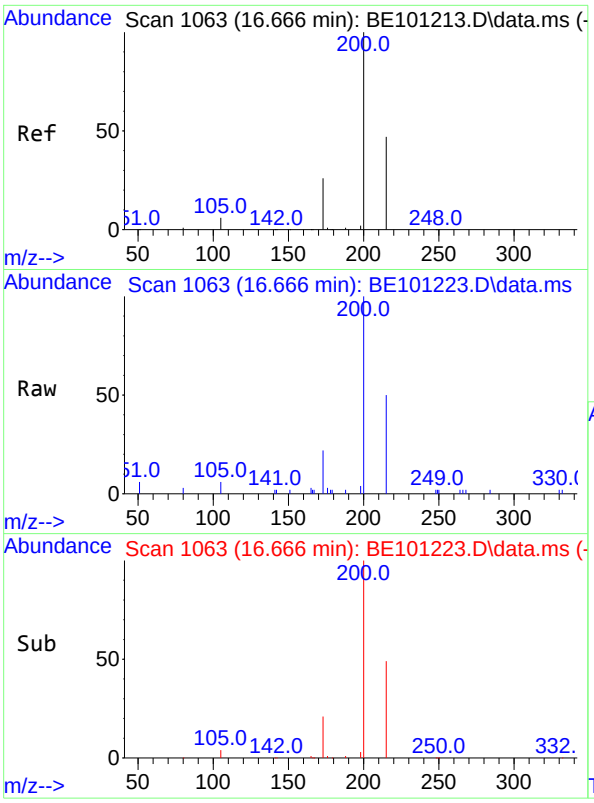
#22
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.515 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:284 Resp: 5828

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.4	41.0
249	34.7	26.5	39.7



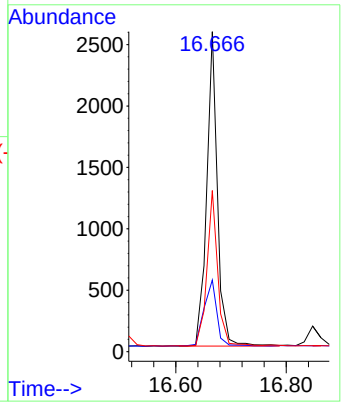
Instrument :
BNA_E
ClientSampleId :
PB135530BS

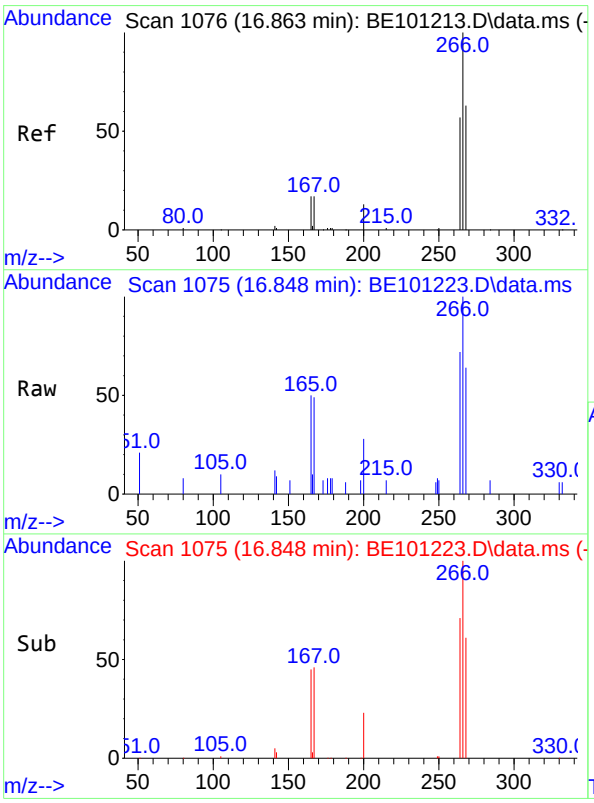


#23
Atrazine
Concen: 0.35 ng
RT: 16.666 min Scan# 1063
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:200 Resp: 3450

Ion	Ratio	Lower	Upper
200	100		
173	22.4	21.9	32.9
215	50.4	38.6	57.8

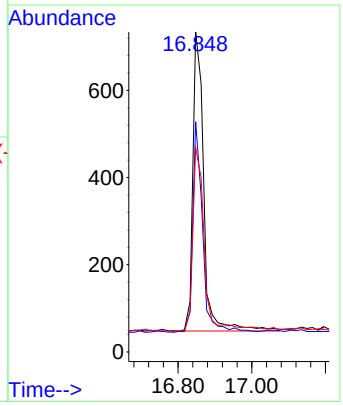




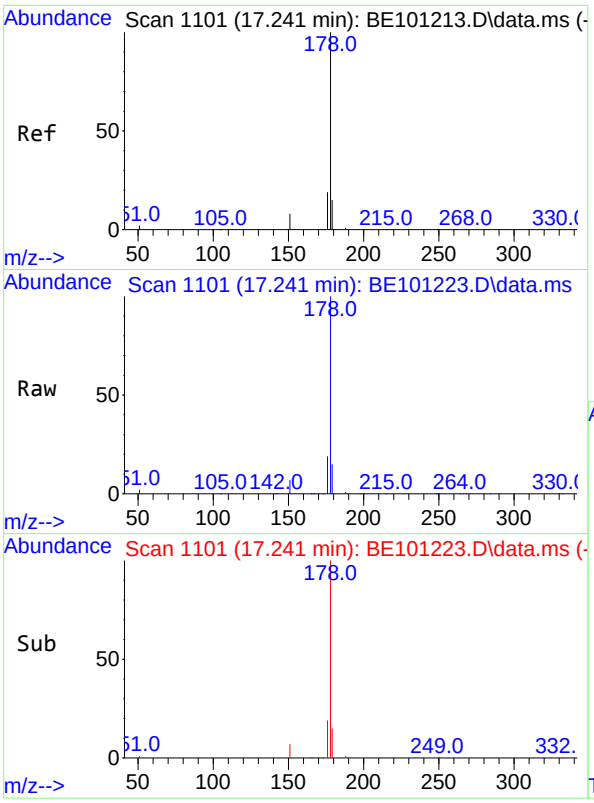
#24
Pentachlorophenol
Concen: 0.26 ng
RT: 16.848 min Scan# 1075
Delta R.T. -0.015 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:266 Resp: 1419

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.1	73.7
268	66.8	50.6	76.0



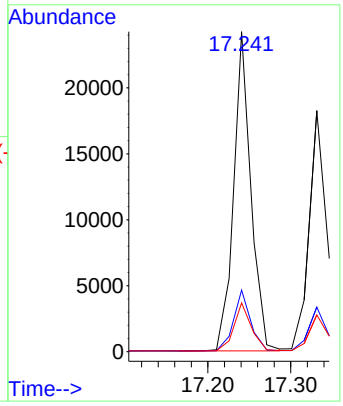
Instrument :
BNA_E
ClientSampleId :
PB135530BS

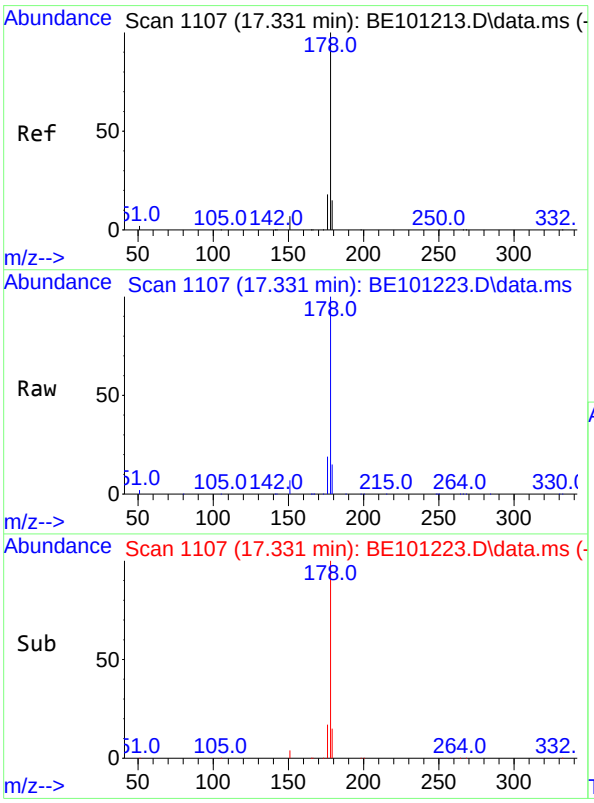


#25
Phenanthrene
Concen: 0.41 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:178 Resp: 35027

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.3	12.2	18.4

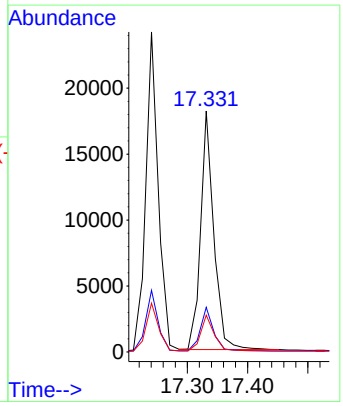




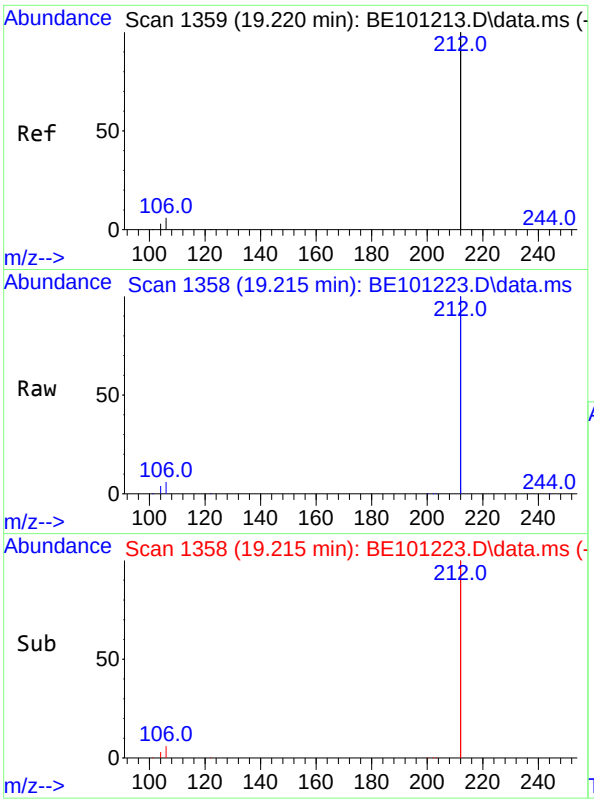
#26
Anthracene
Concen: 0.37 ng
RT: 17.331 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:178 Resp: 27519

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.2	11.8	17.8



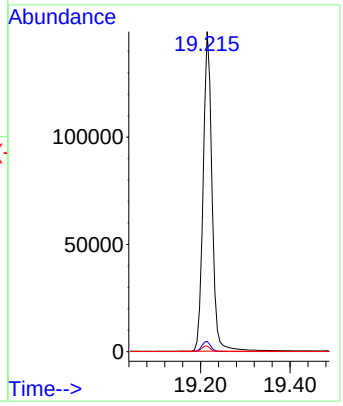
Instrument :
BNA_E
ClientSampleId :
PB135530BS

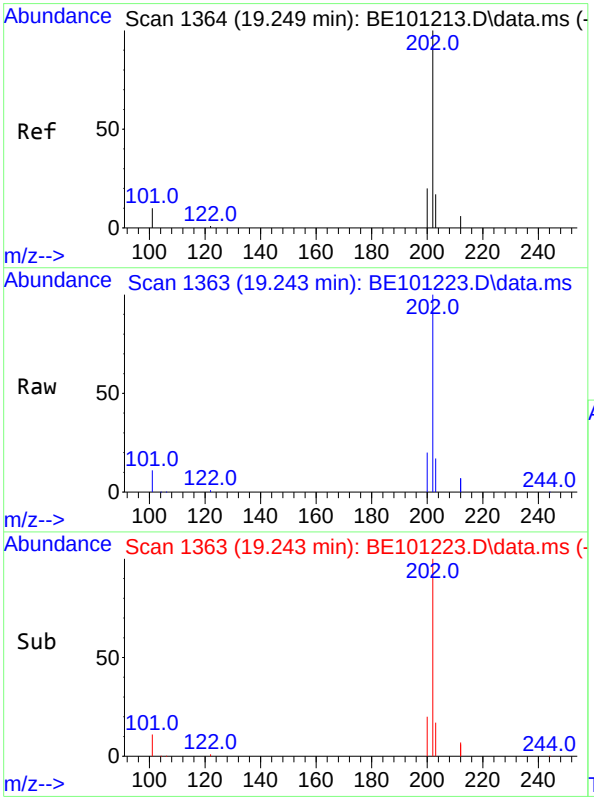


#27
Fluoranthene-d10
Concen: 0.41 ng
RT: 19.215 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:212 Resp: 206045

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	4.0
104	1.8	1.4	2.2

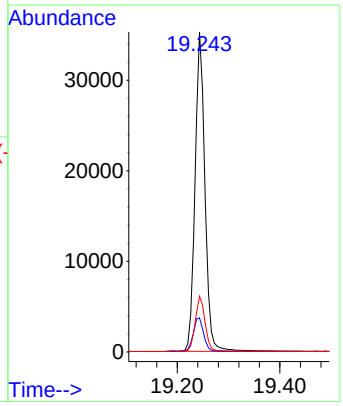




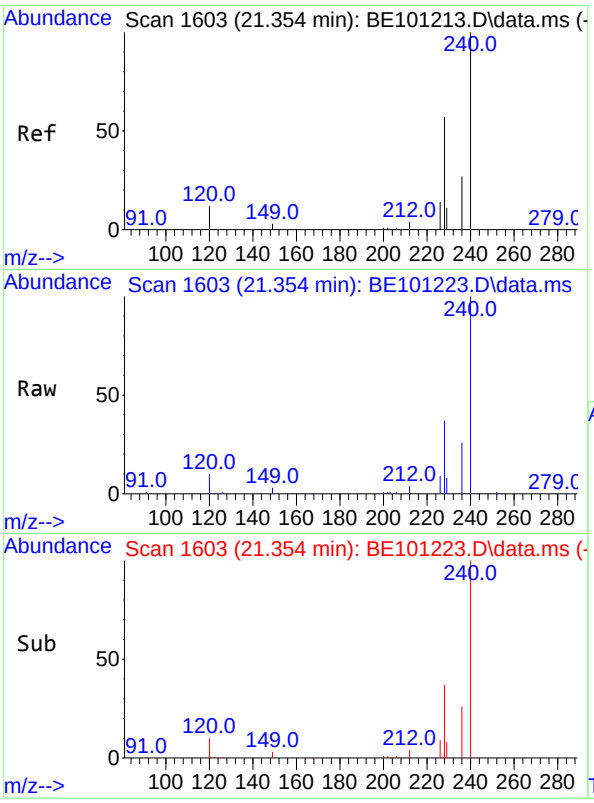
#28
Fluoranthene
Concen: 0.42 ng
RT: 19.243 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:202 Resp: 46841

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
203	17.0	13.6	20.4



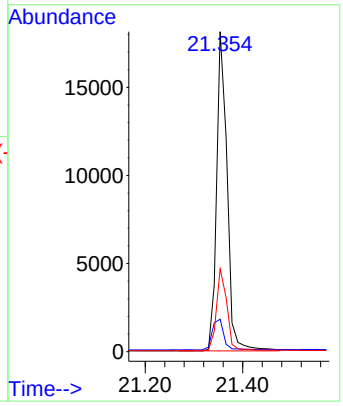
Instrument :
BNA_E
ClientSampleId :
PB135530BS

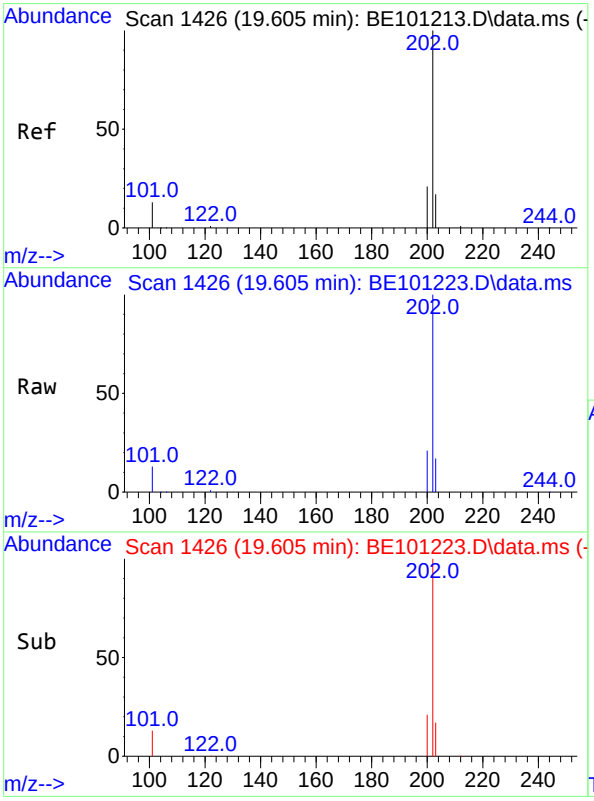


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:240 Resp: 27051

Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	25.9	21.7	32.5

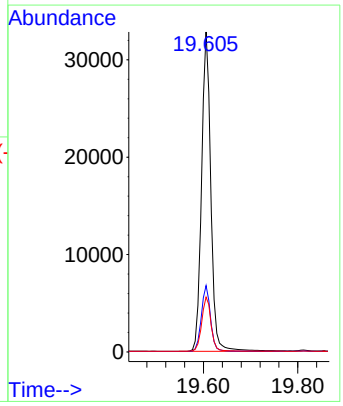




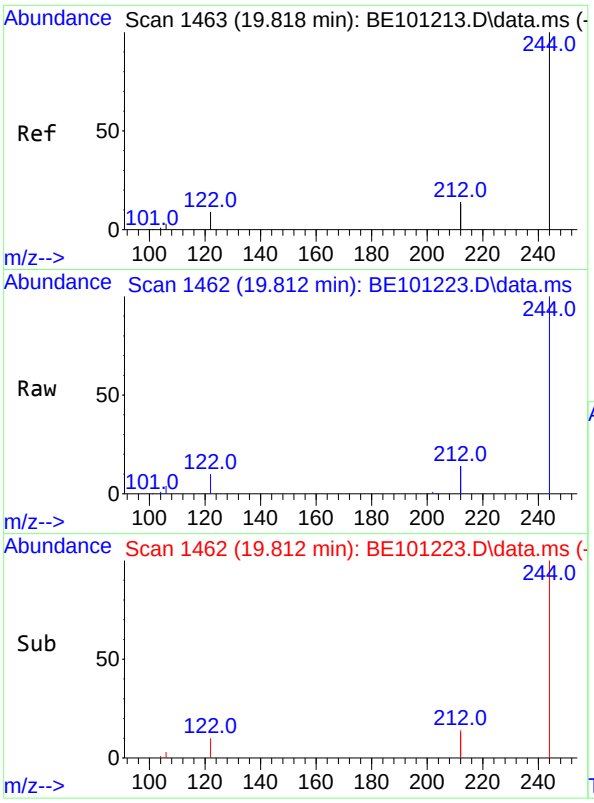
#30
Pyrene
Concen: 0.46 ng
RT: 19.605 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:202 Resp: 44963

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.3	13.8	20.8



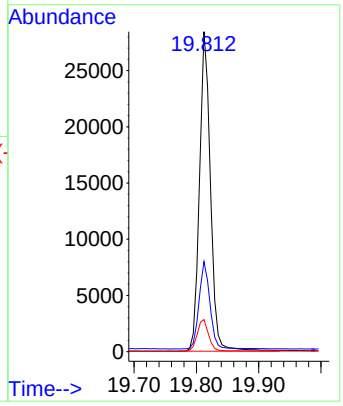
Instrument :
BNA_E
ClientSampleId :
PB135530BS

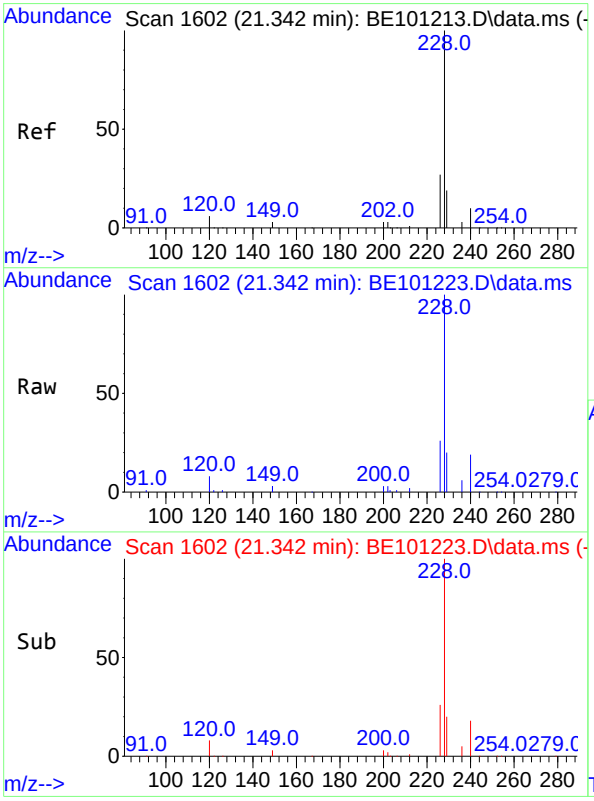


#31
Terphenyl-d14
Concen: 0.48 ng
RT: 19.812 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:244 Resp: 34779

Ion	Ratio	Lower	Upper
244	100		
212	28.1	21.9	32.9
122	10.0	7.3	10.9

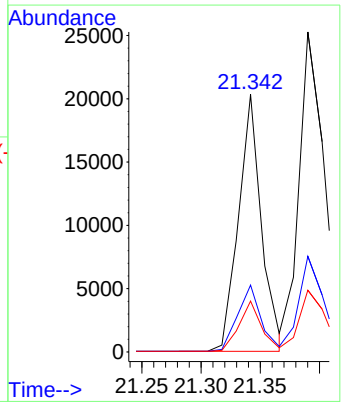




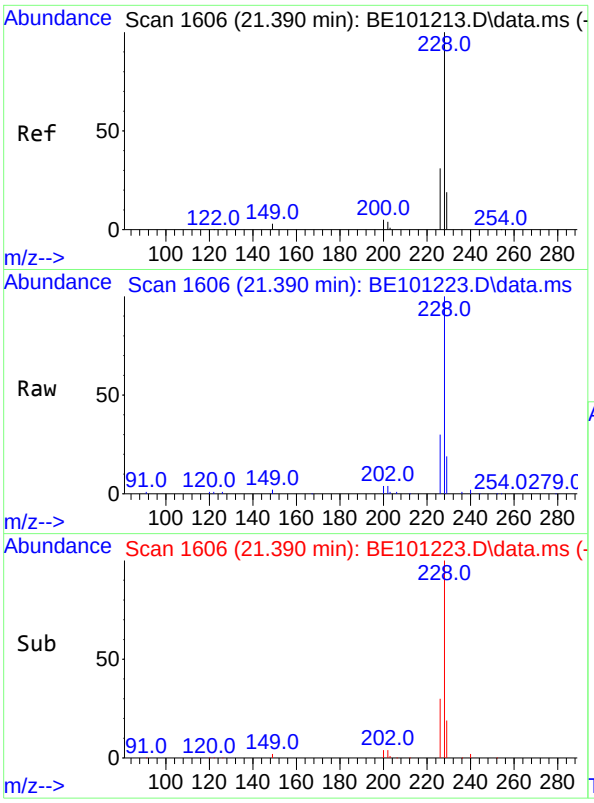
#32
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.342 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:228 Resp: 27354

Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.4	32.2
229	19.7	15.7	23.5



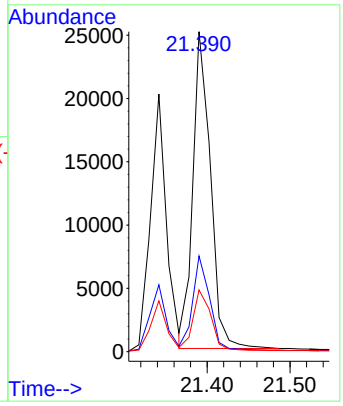
Instrument :
BNA_E
ClientSampleId :
PB135530BS

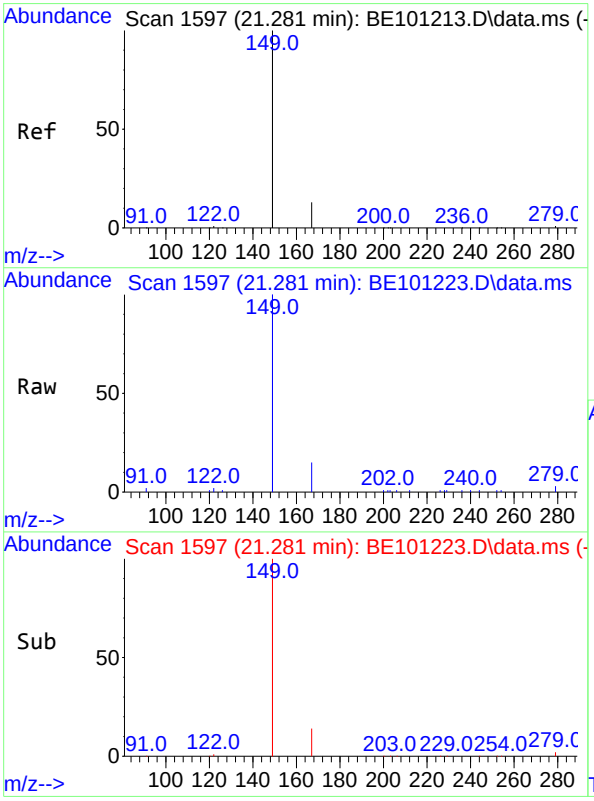


#33
Chrysene
Concen: 0.41 ng
RT: 21.390 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:228 Resp: 36877

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.8	37.2
229	19.3	15.2	22.8

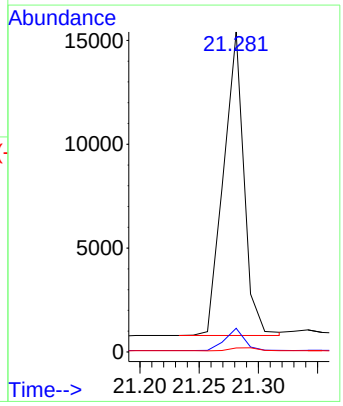




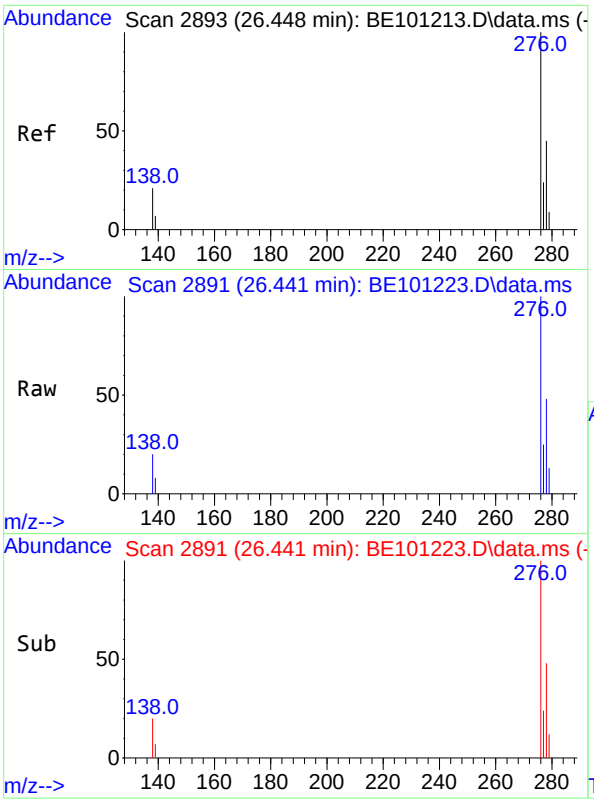
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 21.281 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:149 Resp: 17593

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.5	8.3
279	1.3	1.0	1.4



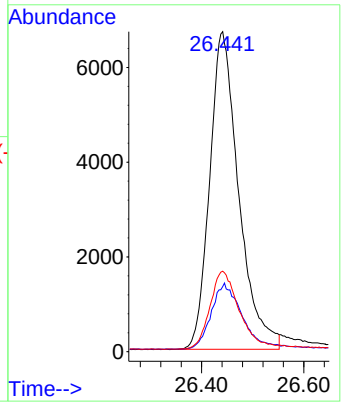
Instrument :
BNA_E
ClientSampleId :
PB135530BS

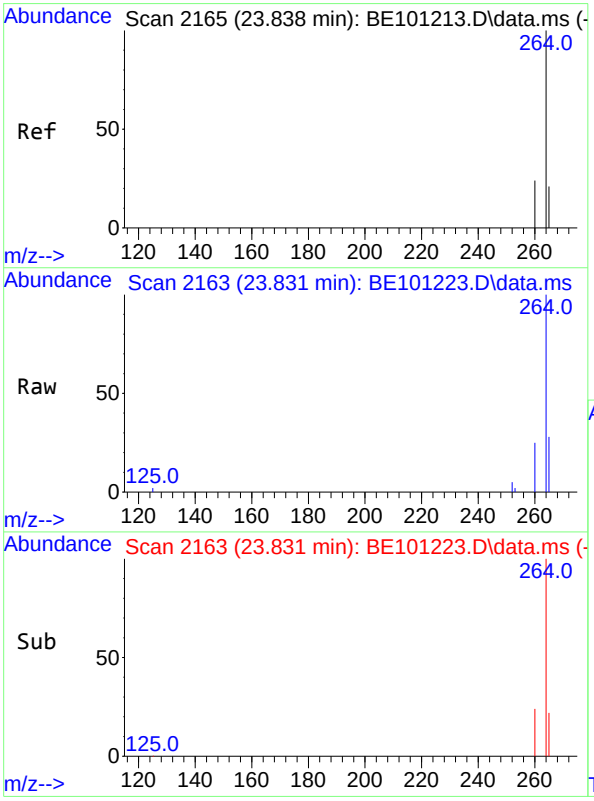


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 26.441 min Scan# 2891
Delta R.T. -0.003 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:276 Resp: 26428

Ion	Ratio	Lower	Upper
276	100		
138	21.8	17.4	26.0
277	24.8	19.8	29.8

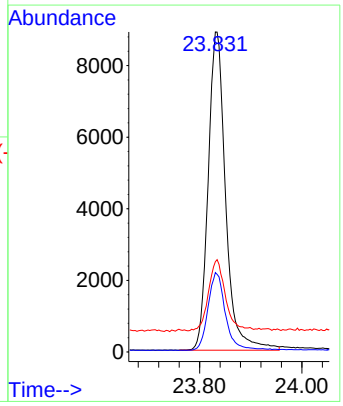




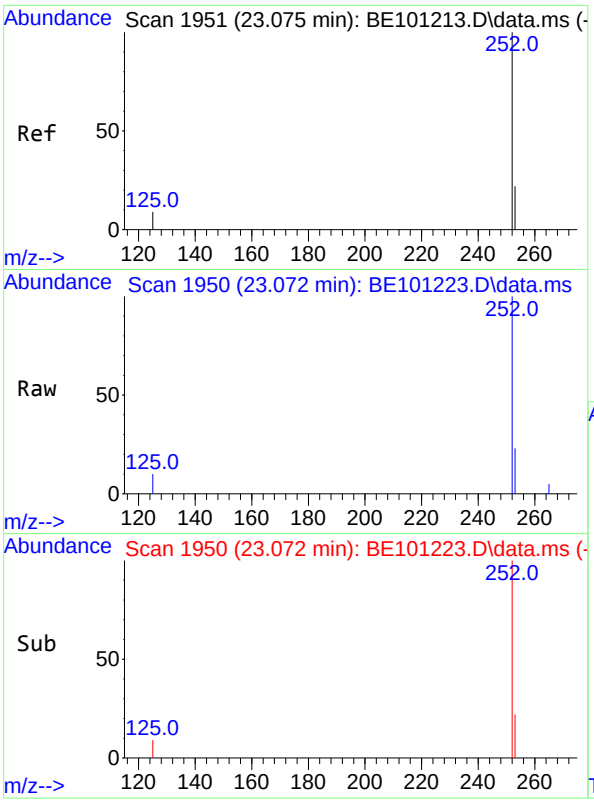
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.831 min Scan# 2163
Delta R.T. -0.004 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:264 Resp: 21124

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	28.2	22.4	33.6



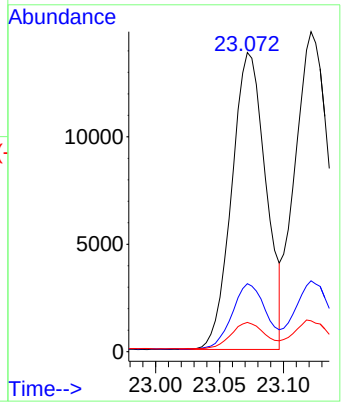
Instrument :
BNA_E
ClientSampleId :
PB135530BS

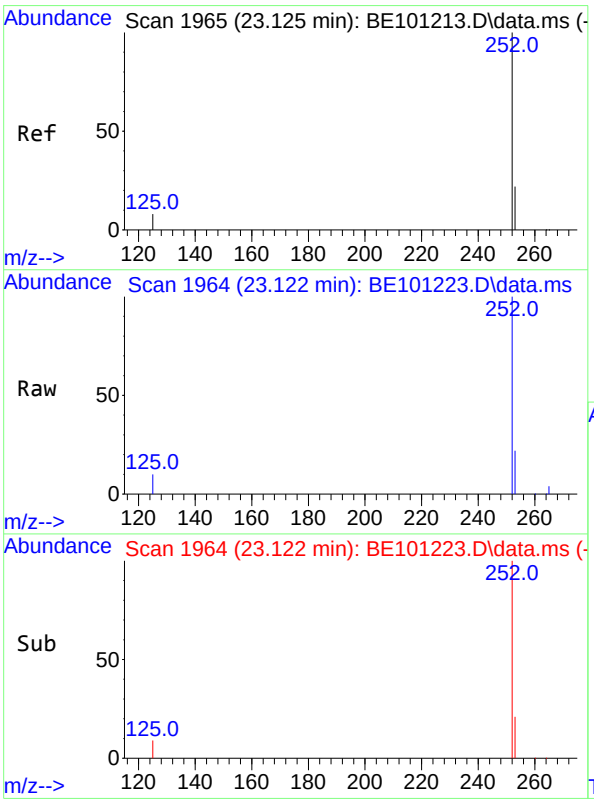


#37
Benzo(b)fluoranthene
Concen: 0.37 ng
RT: 23.072 min Scan# 1950
Delta R.T. -0.004 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:252 Resp: 25701

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	9.8	7.6	11.4

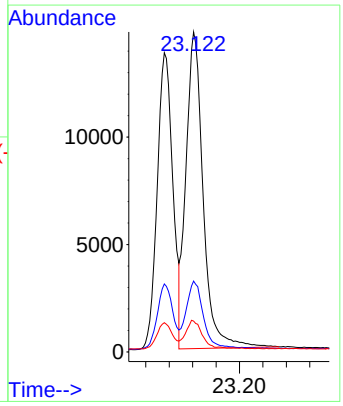




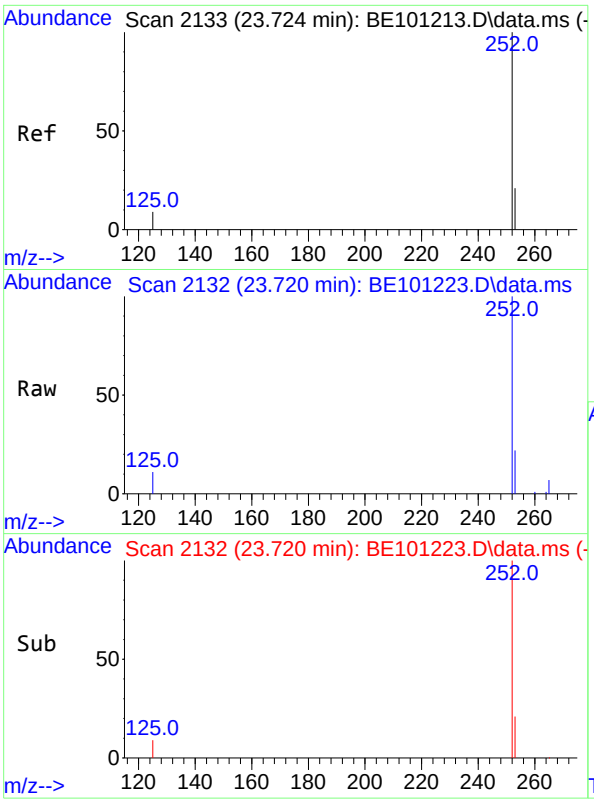
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.122 min Scan# 1964
Delta R.T. -0.004 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:252 Resp: 29996

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	9.7	7.6	11.4



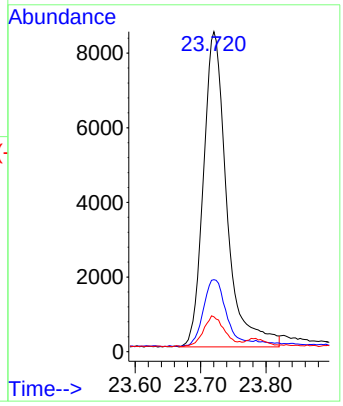
Instrument :
BNA_E
ClientSampleId :
PB135530BS

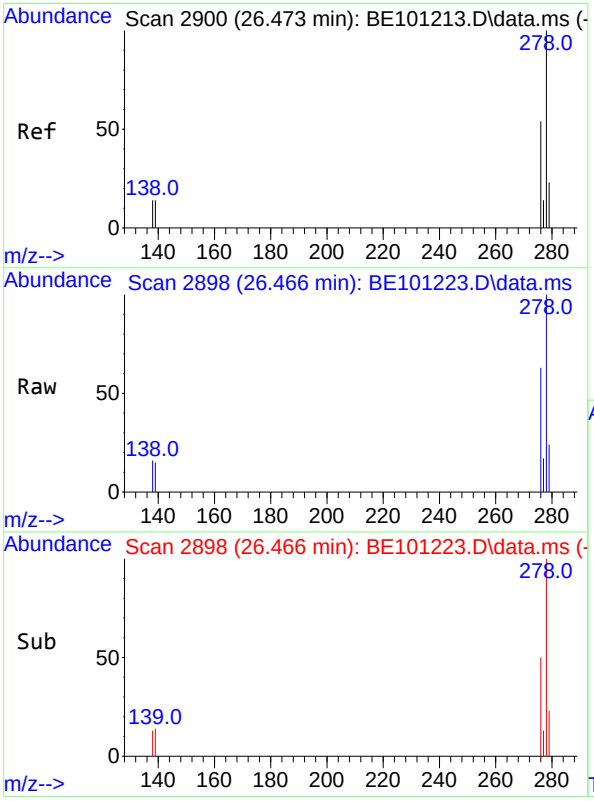


#39
Benzo(a)pyrene
Concen: 0.36 ng
RT: 23.720 min Scan# 2132
Delta R.T. -0.004 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:252 Resp: 20999

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.9	8.0	12.0

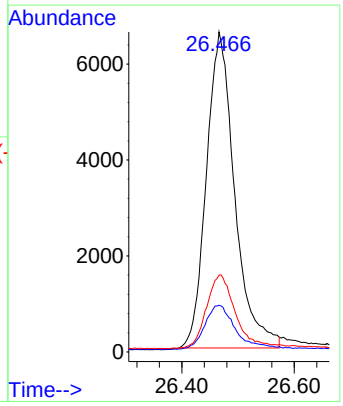


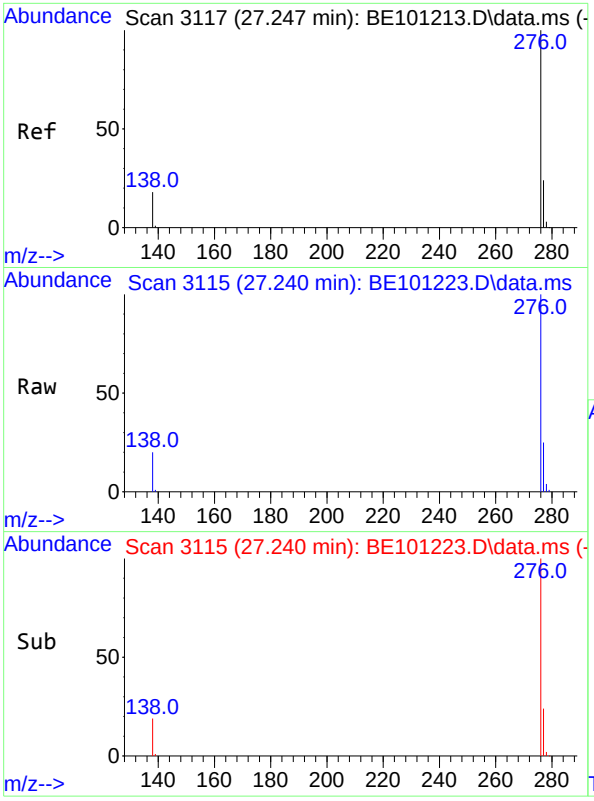


#40
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 26.466 min Scan# 2898
Delta R.T. -0.007 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:278 Resp: 22994

Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.2	18.2
279	24.0	19.3	28.9

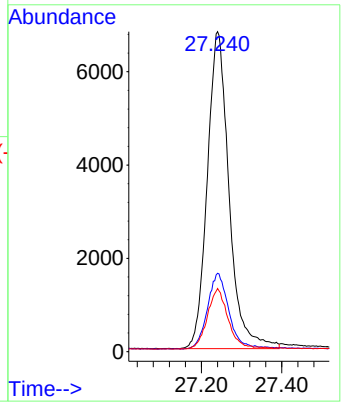




#41
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 27.240 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BE101223.D
Acq: 7 Apr 2021 11:47

Tgt Ion:276 Resp: 25559

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	19.7	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
PB135530BS