Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041921\
Data File : BE101309.D
Acq On : 19 Apr 2021 18:48
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE041921

Quant Time: Apr 19 19:29:44 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 19 18:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.784	152	2691	0.40	ng		0.00
7) Naphthalene-d8	10.576	136	11206	0.40	ng		0.00
13) Acenaphthene-d10	14.414	164	6864	0.40	ng		0.00
19) Phenanthrene-d10	17.165	188	16684	0.40	ng		0.00
29) Chrysene-d12	21.318	240	22519	0.40	ng		0.00
36) Perylene-d12	23.770	264	23073	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.377	112	3215	0.43	ng		0.00
5) Phenol-d6	6.954	99	4694	0.42	ng		0.00
8) Nitrobenzene-d5	8.926	82	3905	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.152	152	10281	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.910	330	593	0.39	ng		0.00
15) 2-Fluorobiphenyl	13.031	172	10736	0.43	ng		0.00
27) Fluoranthene-d10	19.180	212	120235	0.43	ng		0.00
31) Terphenyl-d14	19.778	244	21205	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	1958	0.41	ng		94
3) n-Nitrosodimethylamine	3.614	42	1975	0.41	ng	#	93
6) bis(2-Chloroethyl)ether	7.208	93	3748	0.42	ng		97
9) Naphthalene	10.615	128	50677	0.42	ng		100
10) Hexachlorobutadiene	10.914	225	2264	0.42	ng		99
12) 2-Methylnaphthalene	12.224	142	8395	0.41	ng		100
16) Acenaphthylene	14.126	152	10606	0.40	ng		100
17) Acenaphthene	14.472	154	8163	0.43	ng		98
18) Fluorene	15.472	166	10673	0.42	ng		99
20) 4,6-Dinitro-2-methylph...	15.547	198	389	0.39	ng		98
21) 4-Bromophenyl-phenylether	16.364	248	3461	0.40	ng		98
22) Hexachlorobenzene	16.470	284	3549	0.42	ng		99
23) Atrazine	16.636	200	2425	0.37	ng	#	84
24) Pentachlorophenol	16.817	266	103	0.46	ng	#	86
25) Phenanthrene	17.195	178	20016	0.42	ng		99
26) Anthracene	17.301	178	16270	0.40	ng		100
28) Fluoranthene	19.209	202	26402	0.43	ng		100
30) Pyrene	19.565	202	26793	0.41	ng		100
32) Benzo(a)anthracene	21.306	228	28536	0.42	ng		99
33) Chrysene	21.354	228	30939	0.42	ng		99
34) Bis(2-ethylhexyl)phtha...	21.233	149	34434	0.41	ng		100
35) Indeno(1,2,3-cd)pyrene	26.345	276	31593	0.44	ng		94
37) Benzo(b)fluoranthene	23.015	252	29034	0.40	ng		99
38) Benzo(k)fluoranthene	23.065	252	33438	0.42	ng		99
39) Benzo(a)pyrene	23.656	252	26309	0.41	ng		100
40) Dibenzo(a,h)anthracene	26.377	278	27238	0.41	ng		98
41) Benzo(g,h,i)perylene	27.141	276	27568	0.41	ng		100

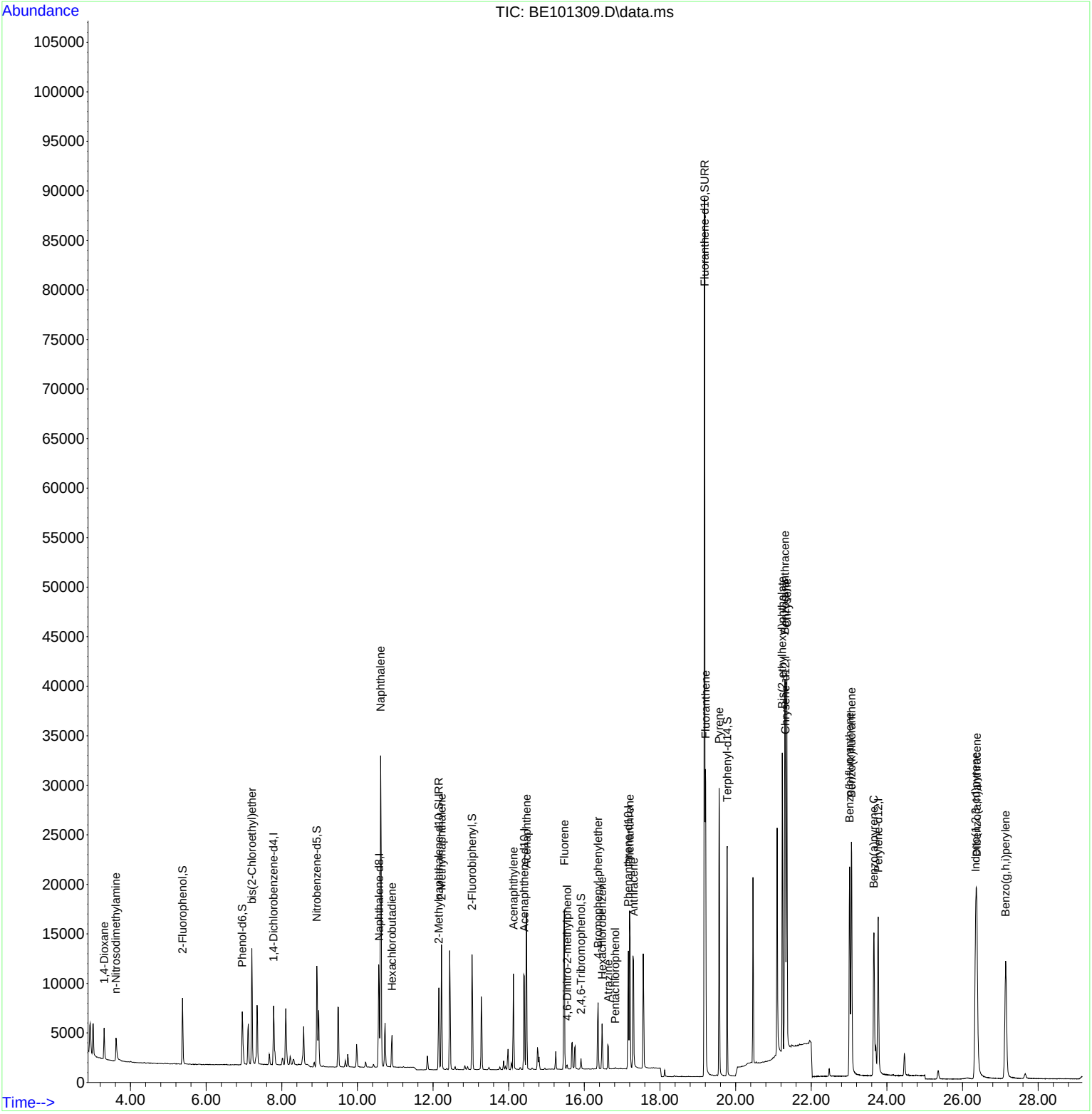
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

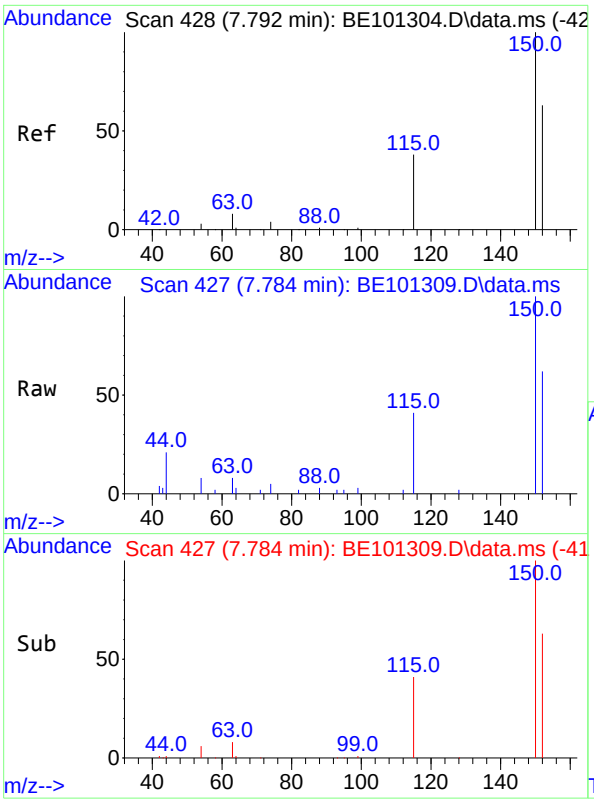
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041921\
Data File : BE101309.D
Acq On : 19 Apr 2021 18:48
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE041921

Quant Time: Apr 19 19:29:44 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 19 18:59:35 2021
Response via : Initial Calibration



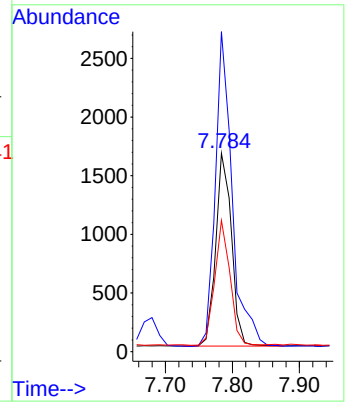
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

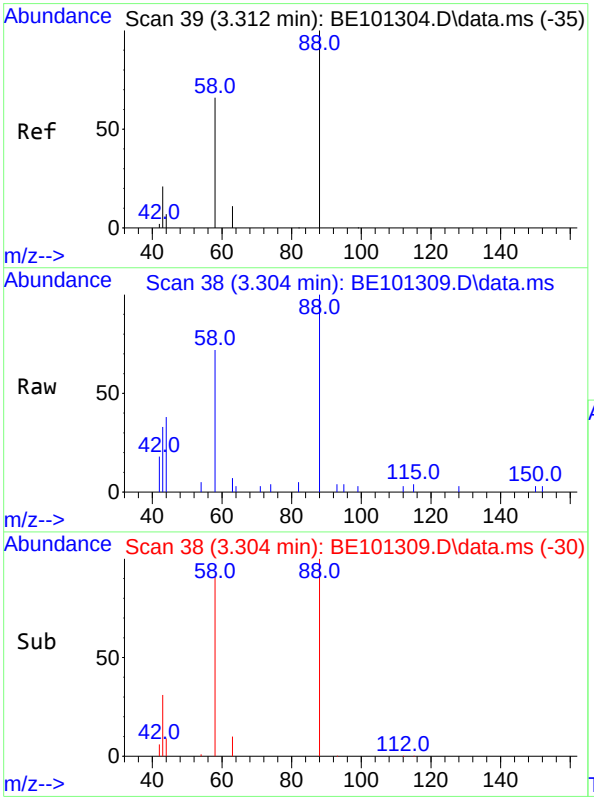


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.784 min Scan# 427
Delta R.T. -0.008 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:152 Resp: 2691

Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.8	187.2
115	66.1	48.7	73.1

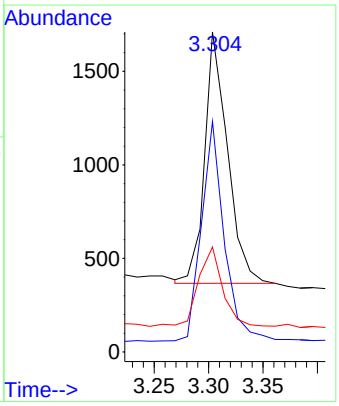




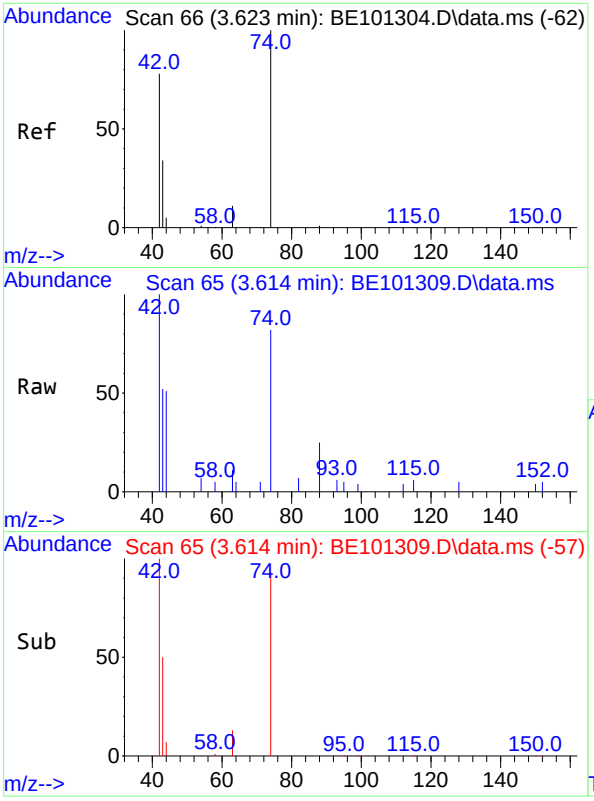
#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.304 min Scan# 38
Delta R.T. -0.009 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion: 88 Resp: 1958

Ion	Ratio	Lower	Upper
88	100		
58	86.8	65.4	98.0
43	33.5	24.4	36.6



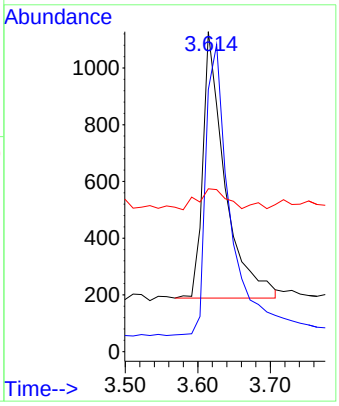
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

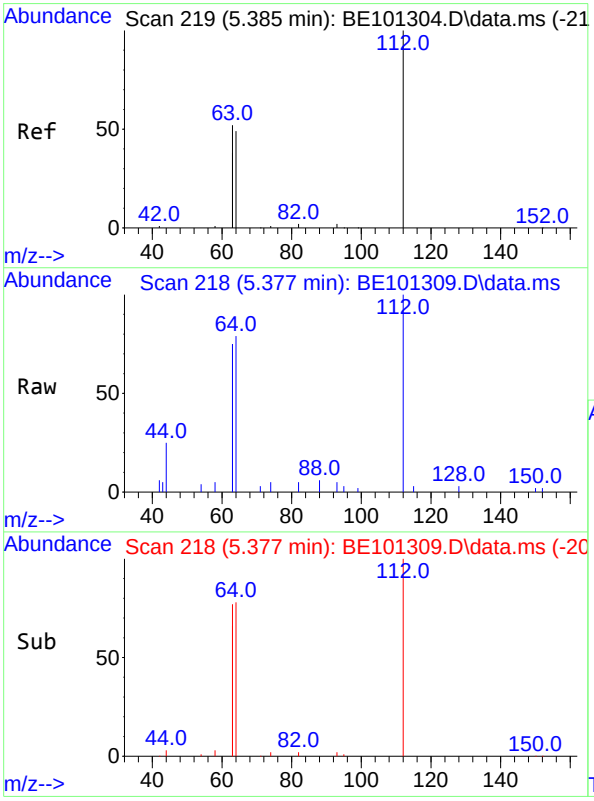


#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.614 min Scan# 65
Delta R.T. -0.009 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion: 42 Resp: 1975

Ion	Ratio	Lower	Upper
42	100		
74	120.9	90.9	136.3
44	9.0	9.2	13.8#

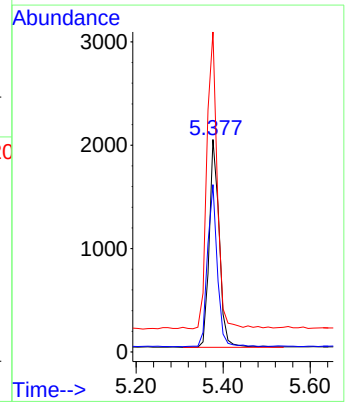




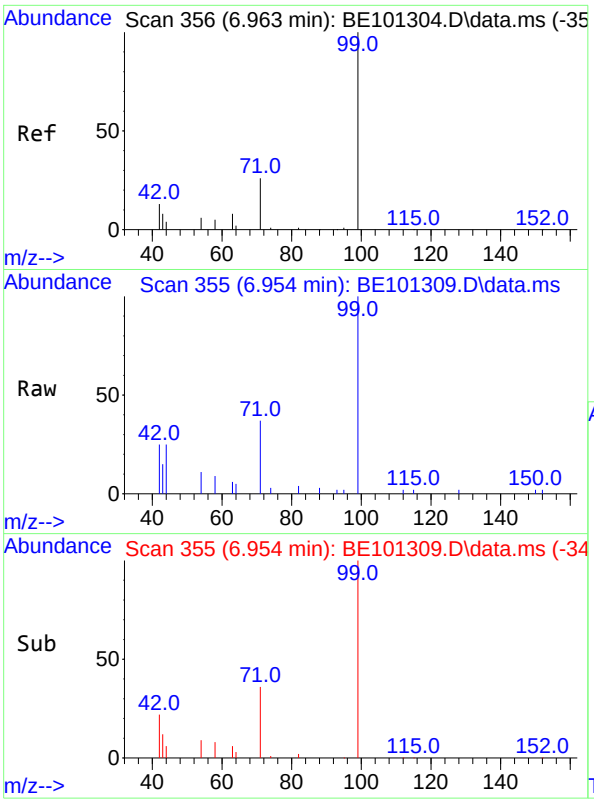
#4
2-Fluorophenol
Concen: 0.43 ng
RT: 5.377 min Scan# 218
Delta R.T. -0.009 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:112 Resp: 3215

Ion	Ratio	Lower	Upper
112	100		
64	76.8	62.8	94.2
63	146.7	120.8	181.2



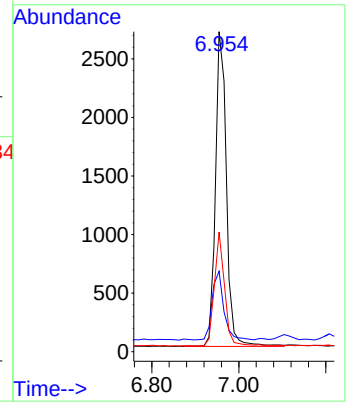
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

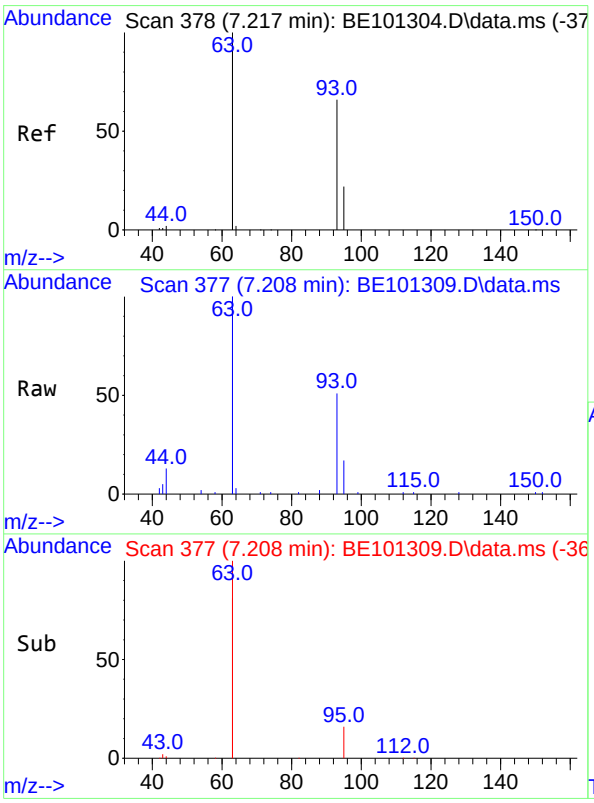


#5
Phenol-d6
Concen: 0.42 ng
RT: 6.954 min Scan# 355
Delta R.T. -0.009 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion: 99 Resp: 4694

Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.8	28.2
71	33.6	26.6	40.0

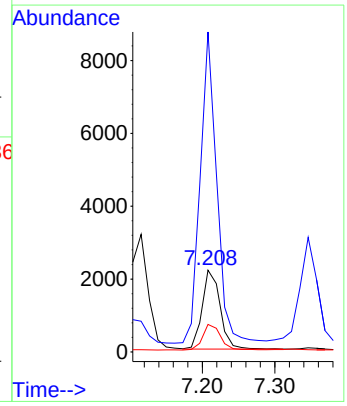




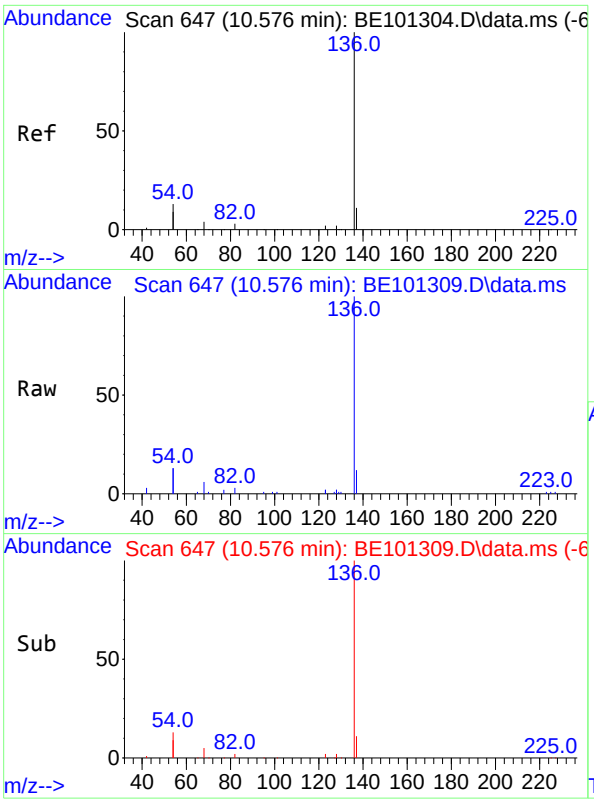
#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.208 min Scan# 377
Delta R.T. -0.009 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion: 93 Resp: 3748

Ion	Ratio	Lower	Upper
93	100		
63	363.5	296.7	445.1
95	32.8	25.9	38.9



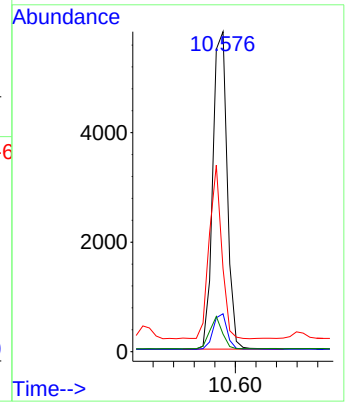
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

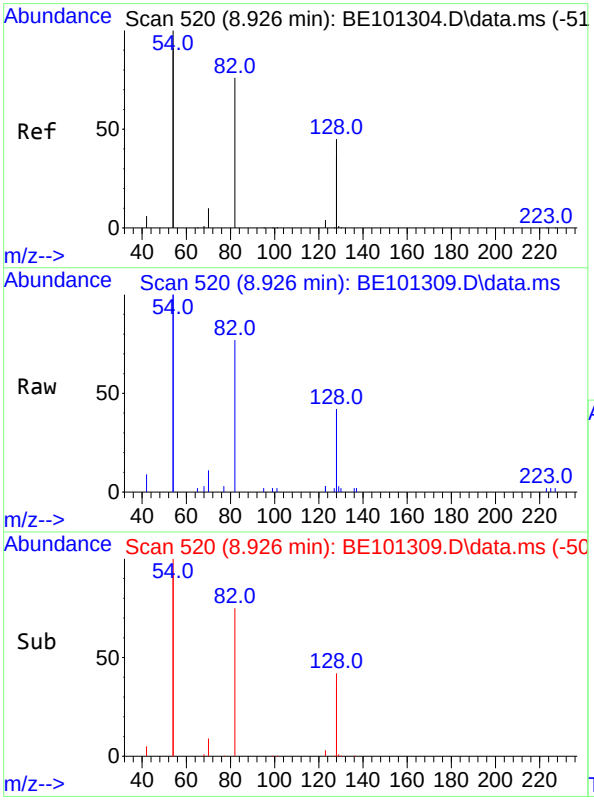


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.576 min Scan# 647
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:136 Resp: 11206

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	25.9	21.3	31.9
68	5.5	4.2	6.4

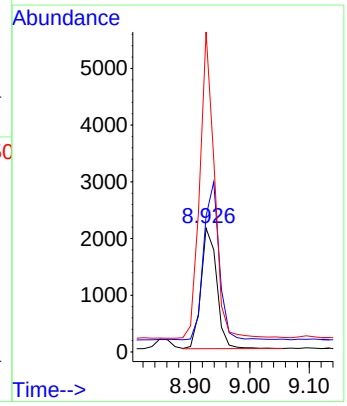




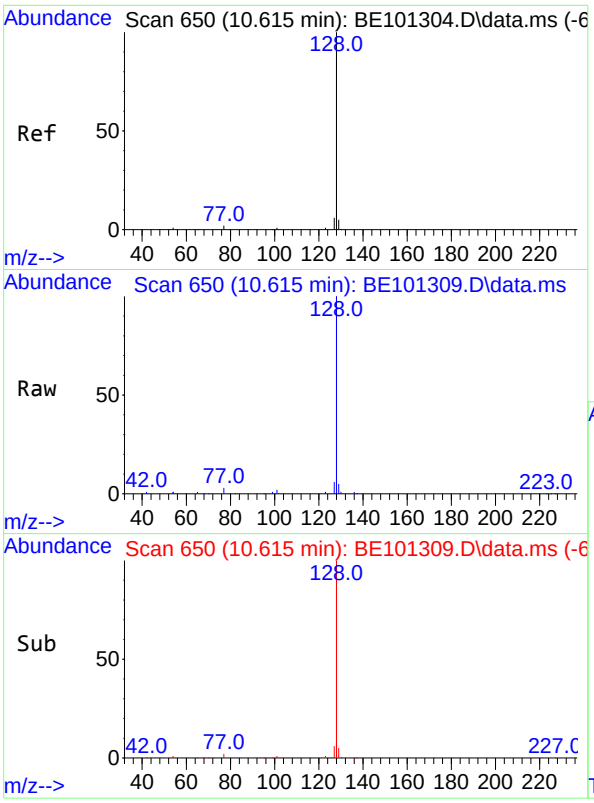
#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 8.926 min Scan# 520
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion: 82 Resp: 3905

Ion	Ratio	Lower	Upper
82	100		
128	109.7	91.2	136.8
54	258.6	204.0	306.0



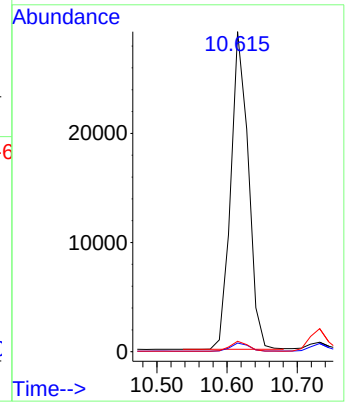
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

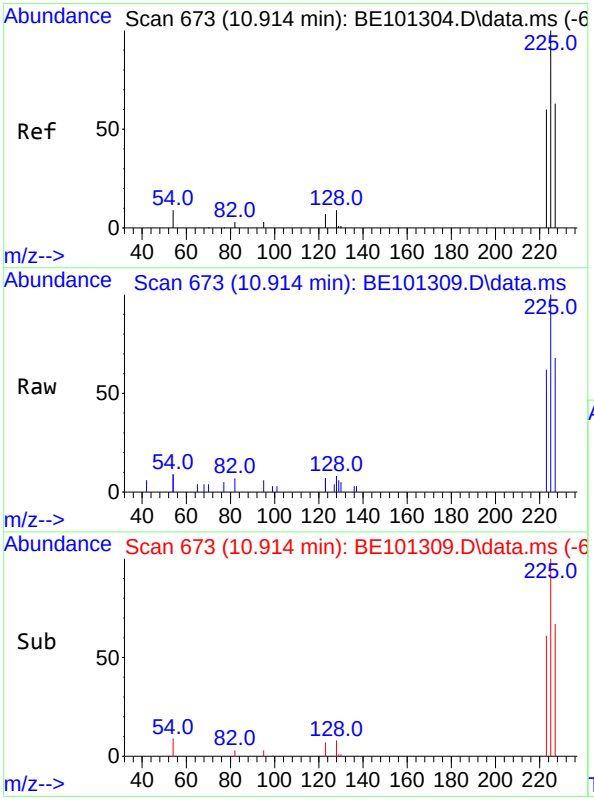


#9
Naphthalene
Concen: 0.42 ng
RT: 10.615 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:128 Resp: 50677

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.3	3.5
127	3.2	2.6	4.0

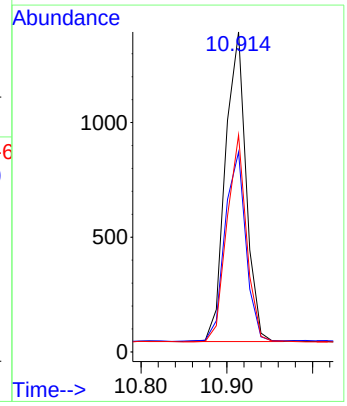




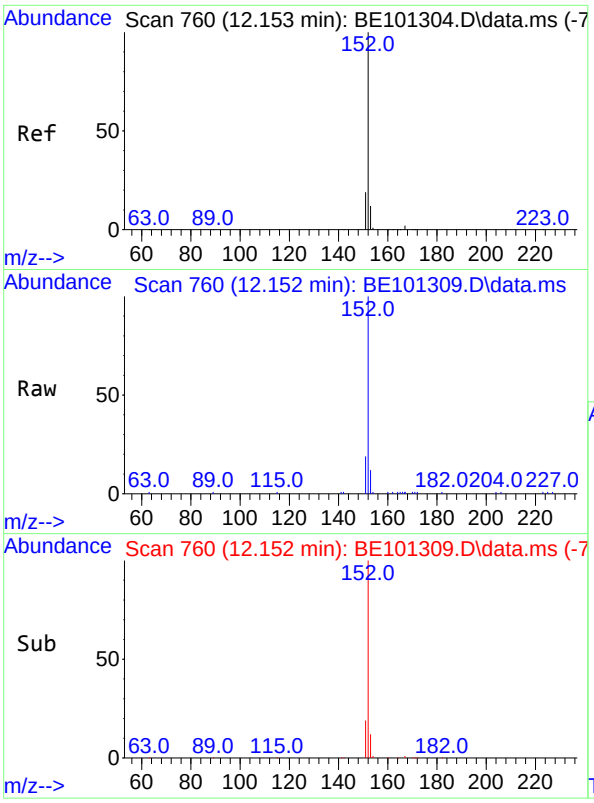
#10
Hexachlorobutadiene
Concen: 0.42 ng
RT: 10.914 min Scan# 673
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:225 Resp: 2264

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.0
227	63.3	49.7	74.5



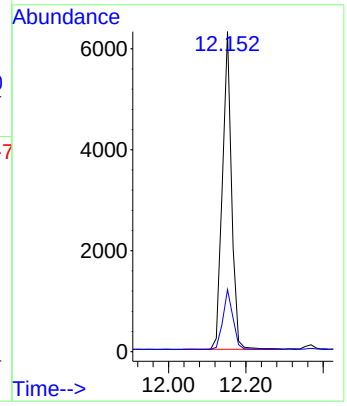
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

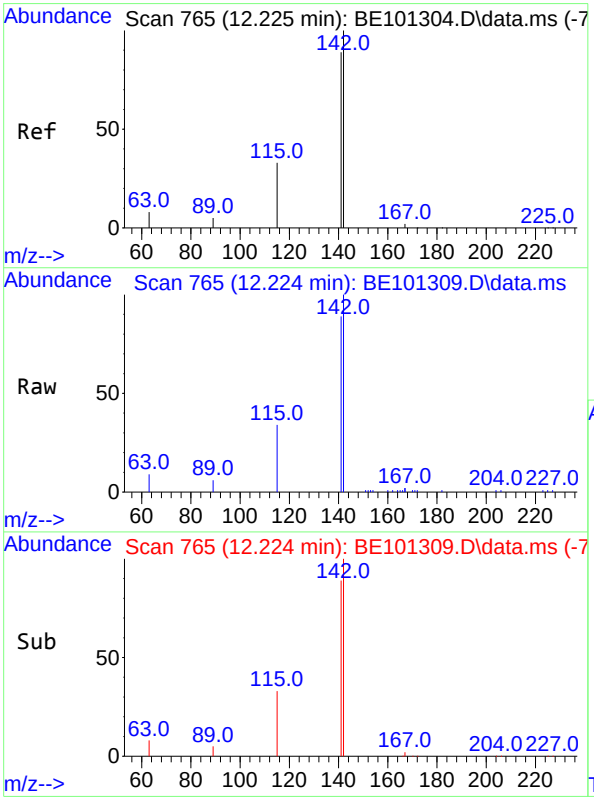


#11
2-Methylnaphthalene-d10
Concen: 0.41 ng
RT: 12.152 min Scan# 760
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:152 Resp: 10281

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4

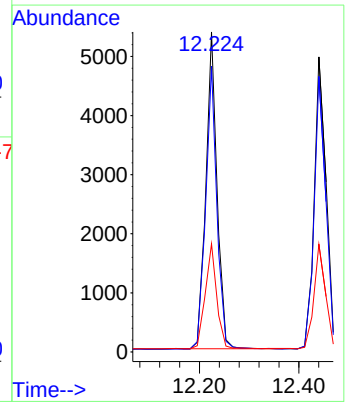




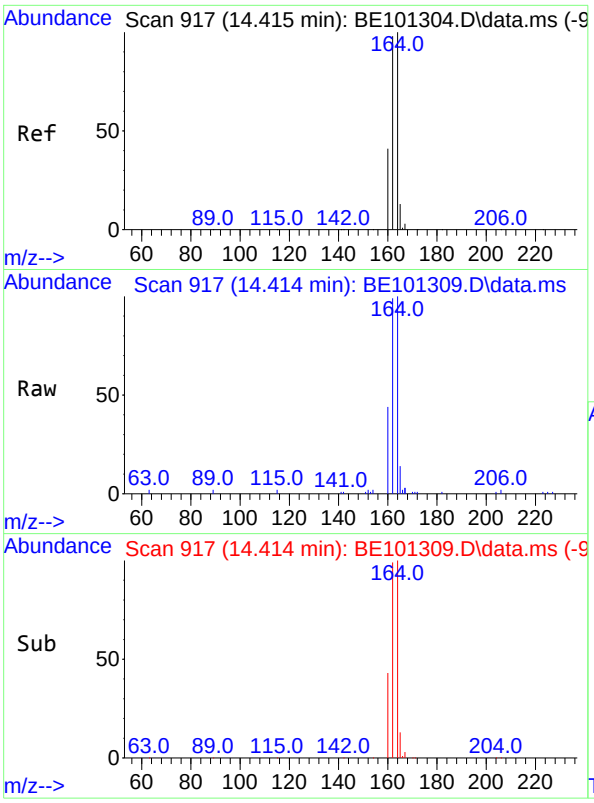
#12
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.224 min Scan# 765
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:142 Resp: 8395

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.0
115	33.8	27.0	40.6



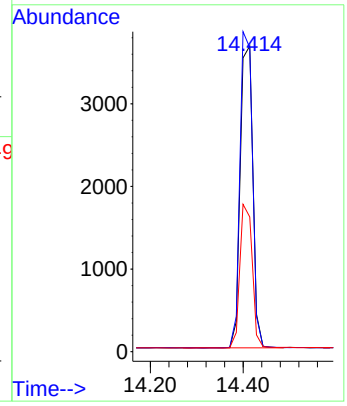
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

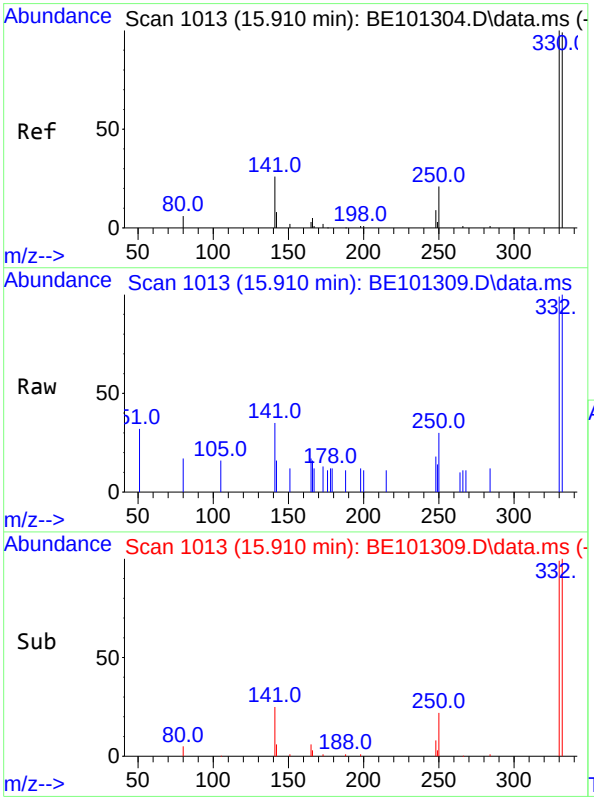


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.414 min Scan# 917
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:164 Resp: 6864

Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.4	117.6
160	44.1	33.3	49.9

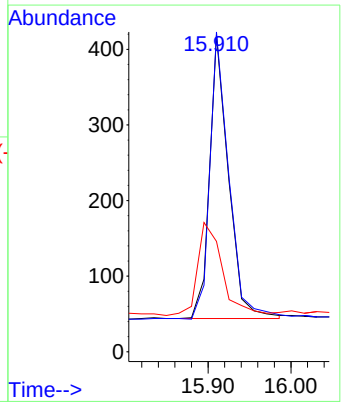




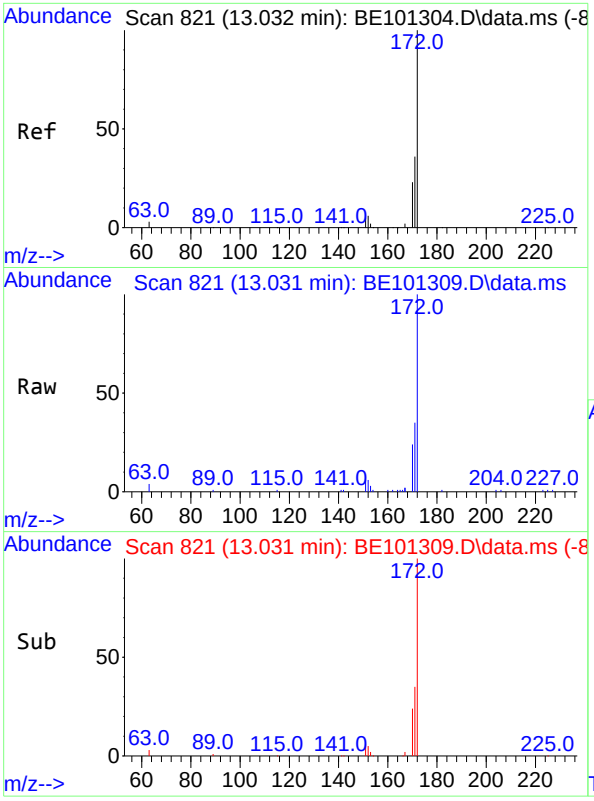
#14
2,4,6-Tribromophenol
Concen: 0.39 ng
RT: 15.910 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:330 Resp: 593

Ion	Ratio	Lower	Upper
330	100		
332	101.3	79.7	119.5
141	42.7	33.2	49.8



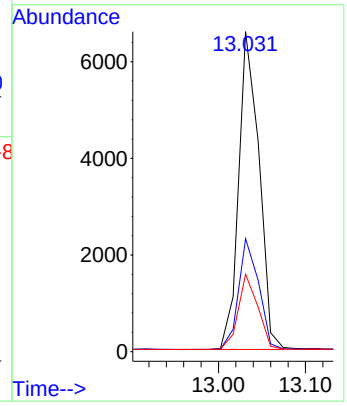
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

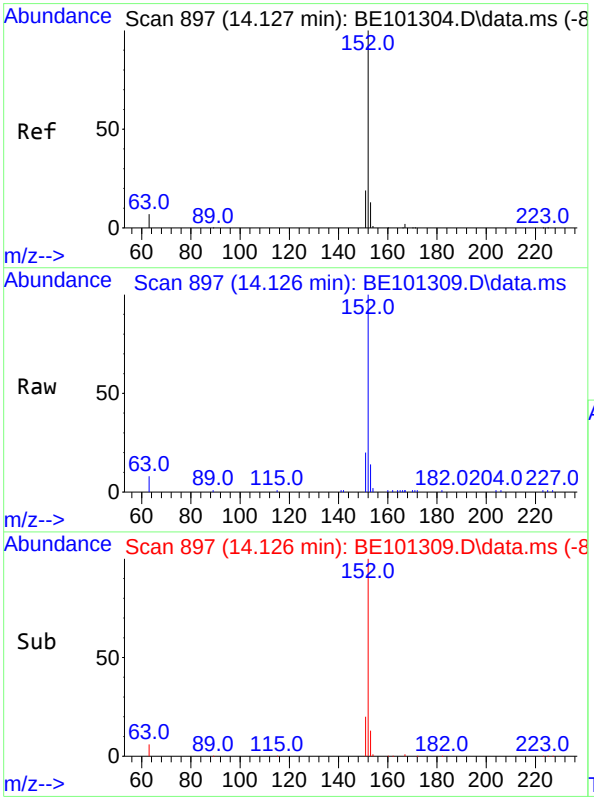


#15
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 13.031 min Scan# 821
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:172 Resp: 10736

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.6
170	24.2	19.1	28.7

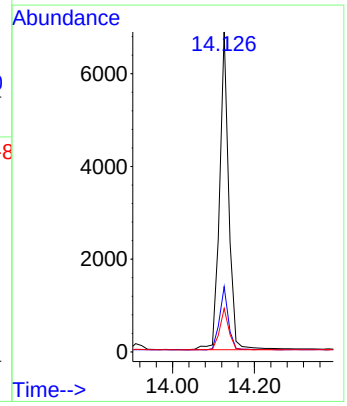




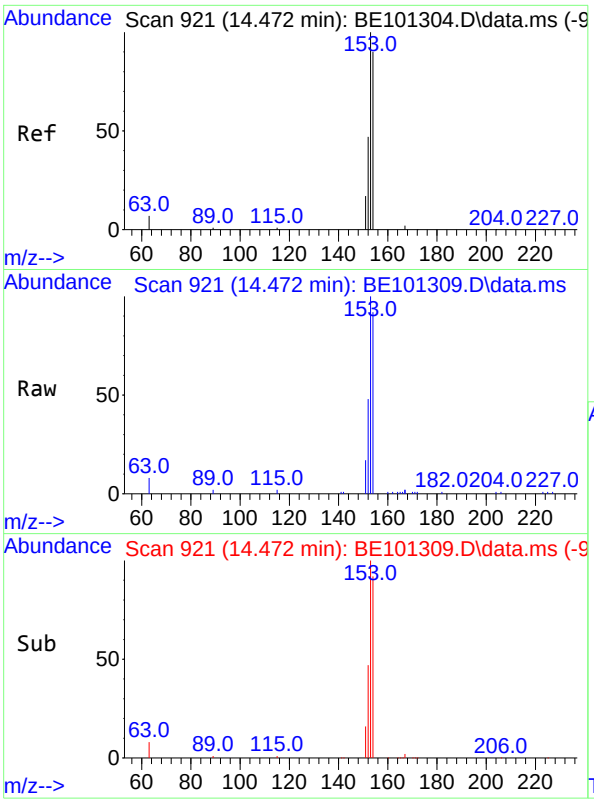
#16
Acenaphthylene
Concen: 0.40 ng
RT: 14.126 min Scan# 897
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:152 Resp: 10606

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	13.3	10.7	16.1



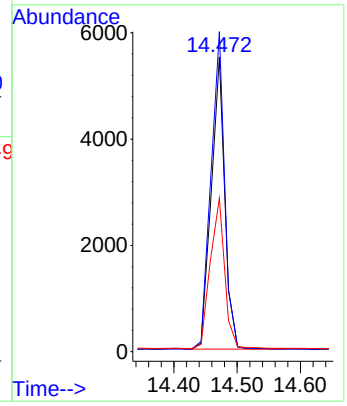
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

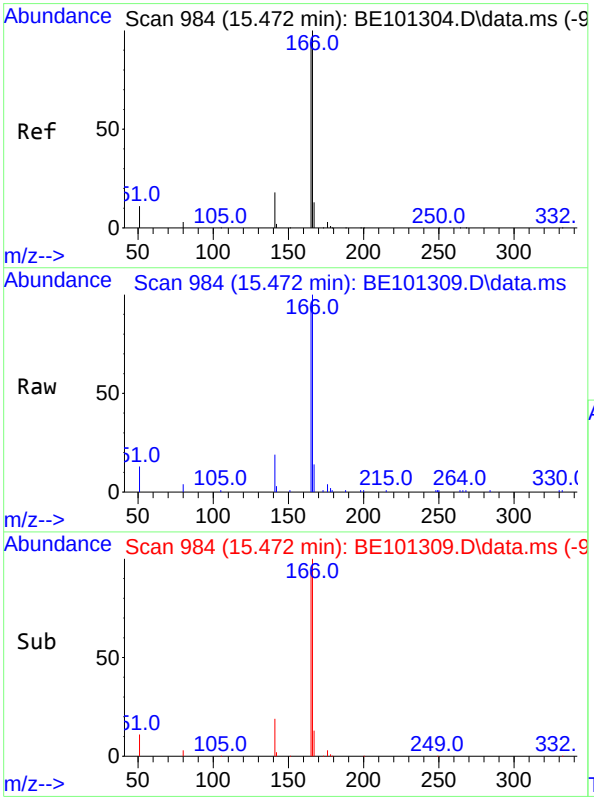


#17
Acenaphthene
Concen: 0.43 ng
RT: 14.472 min Scan# 921
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:154 Resp: 8163

Ion	Ratio	Lower	Upper
154	100		
153	110.1	90.1	135.1
152	54.6	44.2	66.2

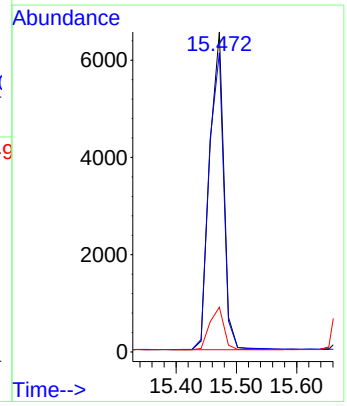




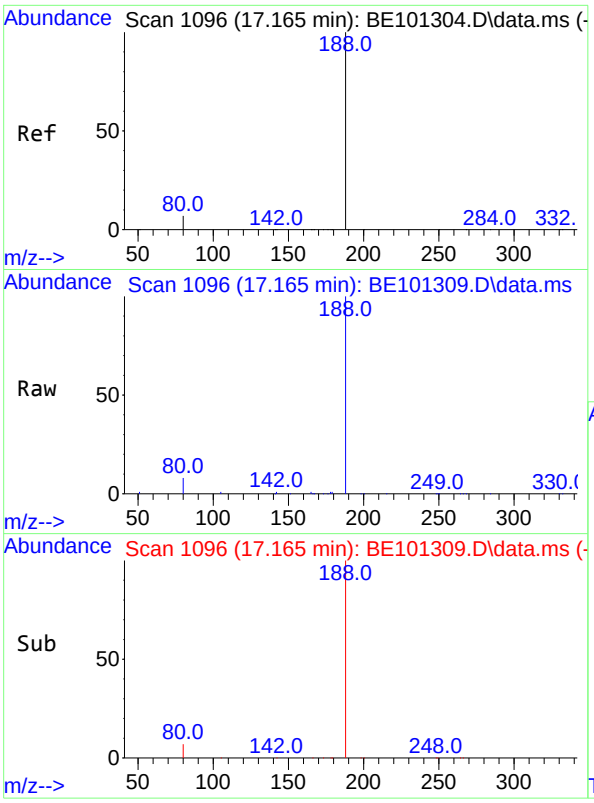
#18
Fluorene
Concen: 0.42 ng
RT: 15.472 min Scan# 984
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:166 Resp: 10673

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.9	118.3
167	13.7	11.0	16.4



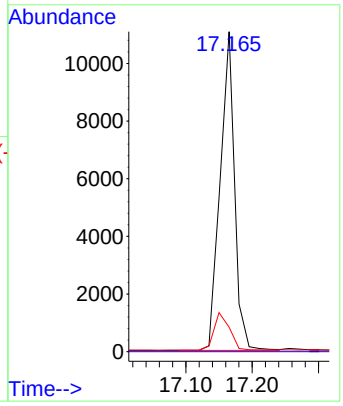
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

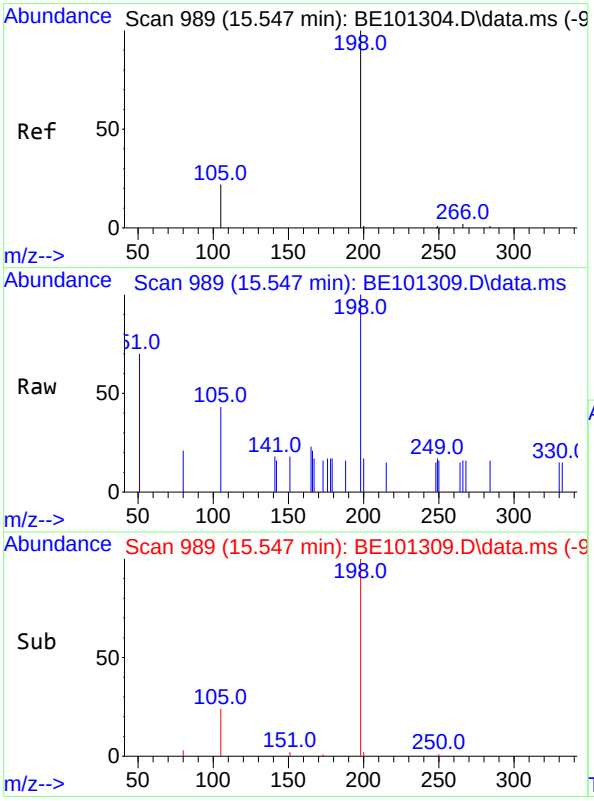


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.165 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:188 Resp: 16684

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	5.8	8.8

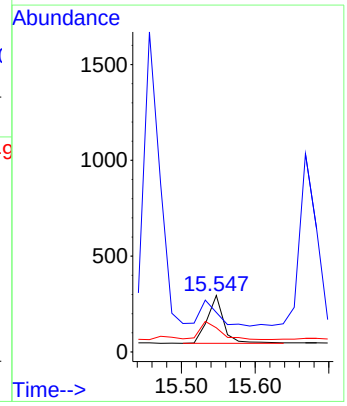




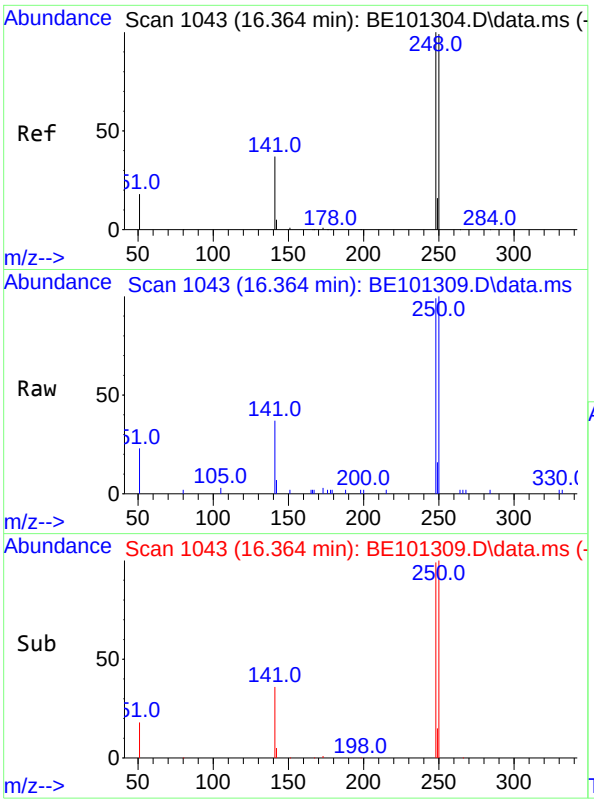
#20
4,6-Dinitro-2-methylphenol
Concen: 0.39 ng
RT: 15.547 min Scan# 989
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:198 Resp: 389

Ion	Ratio	Lower	Upper
198	100		
51	69.8	56.0	84.0
105	42.7	36.7	55.1



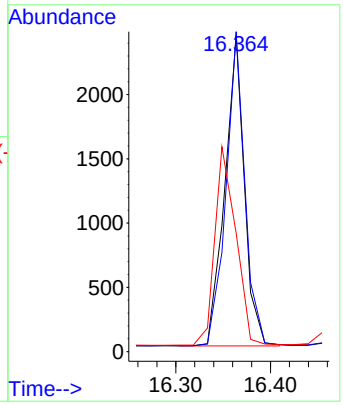
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

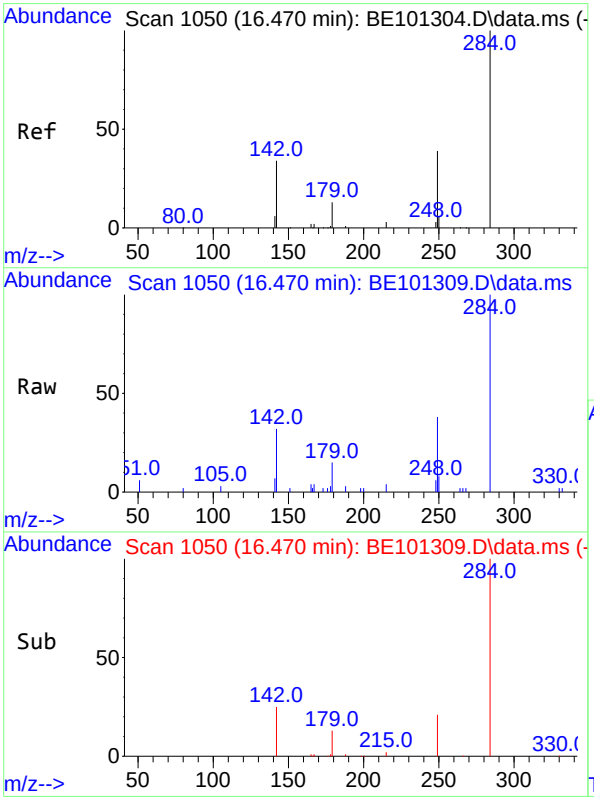


#21
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.364 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:248 Resp: 3461

Ion	Ratio	Lower	Upper
248	100		
250	101.1	79.2	118.8
141	37.5	31.1	46.7

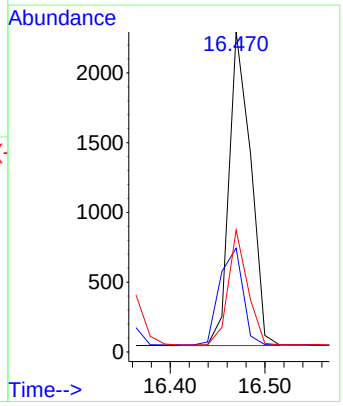




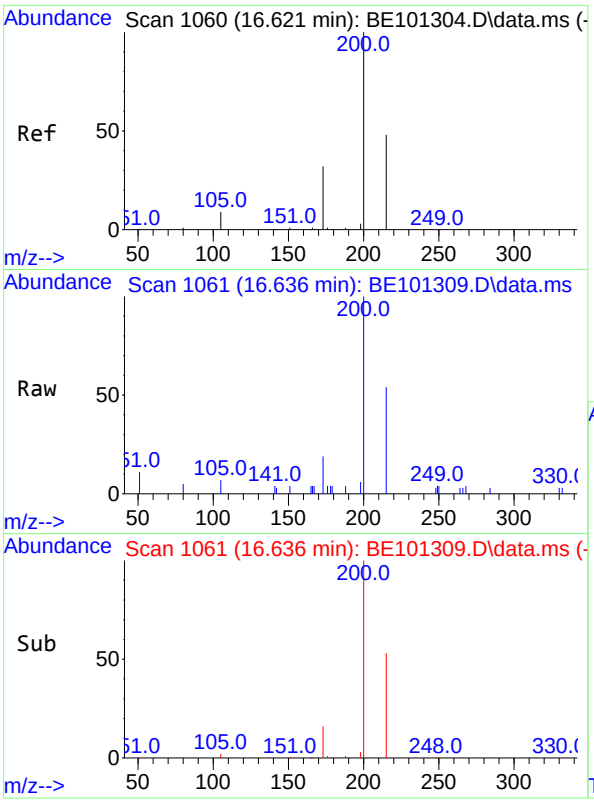
#22
Hexachlorobenzene
Concen: 0.42 ng
RT: 16.470 min Scan# 1050
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:284 Resp: 3549

Ion	Ratio	Lower	Upper
284	100		
142	33.5	27.2	40.8
249	33.1	26.6	40.0



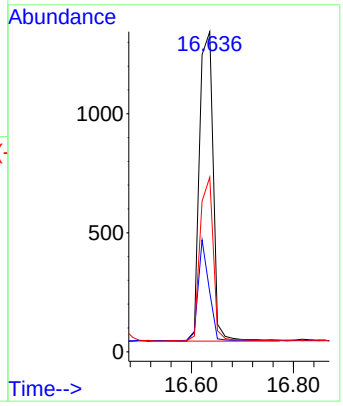
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

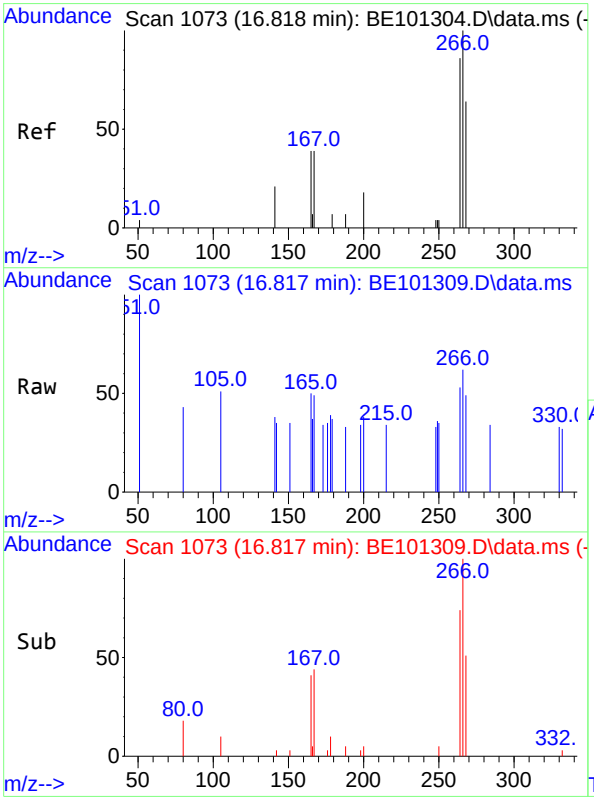


#23
Atrazine
Concen: 0.37 ng
RT: 16.636 min Scan# 1061
Delta R.T. 0.015 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:200 Resp: 2425

Ion	Ratio	Lower	Upper
200	100		
173	18.6	27.8	41.8#
215	54.5	39.8	59.6

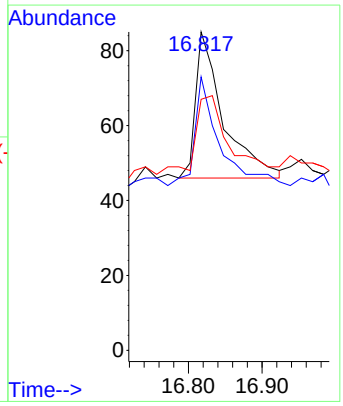




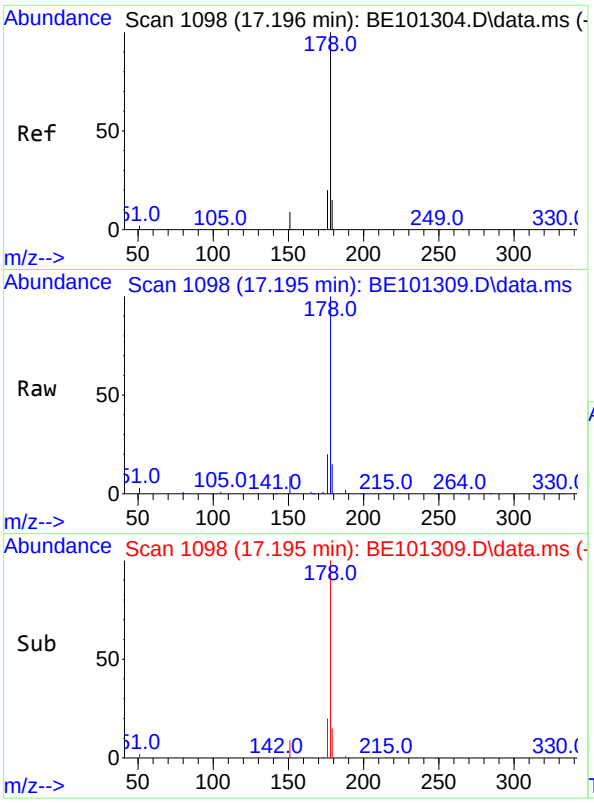
#24
Pentachlorophenol
Concen: 0.46 ng
RT: 16.817 min Scan# 1073
Delta R.T. -0.001 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:266 Resp: 103

Ion	Ratio	Lower	Upper
266	100		
264	65.0	67.0	100.6#
268	63.1	54.1	81.1



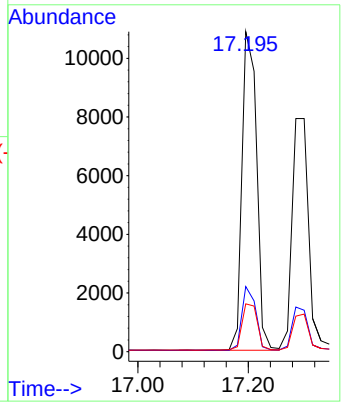
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

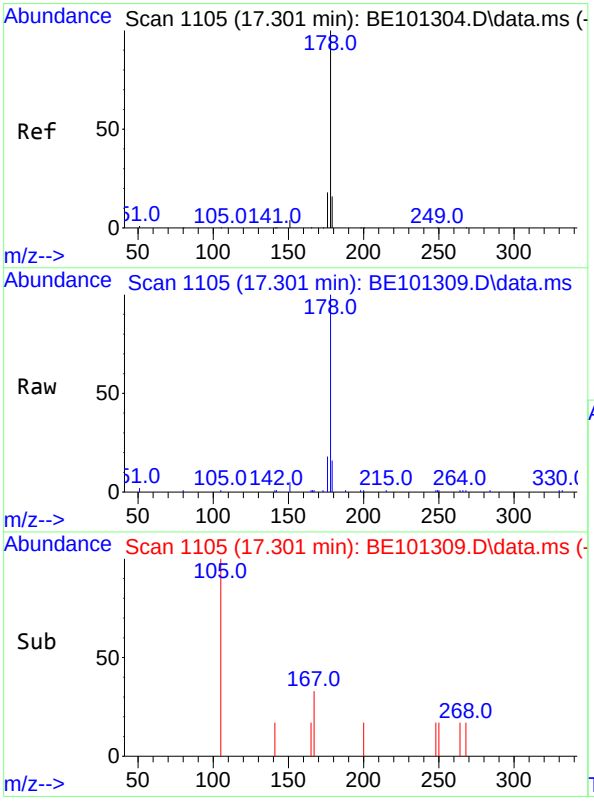


#25
Phenanthrene
Concen: 0.42 ng
RT: 17.195 min Scan# 1098
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:178 Resp: 20016

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.4	12.6	19.0

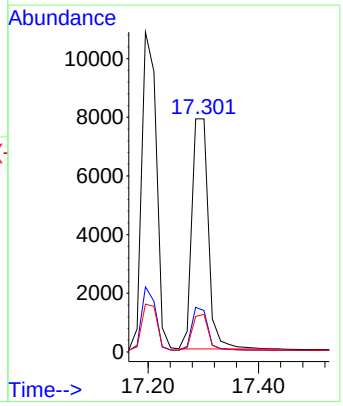


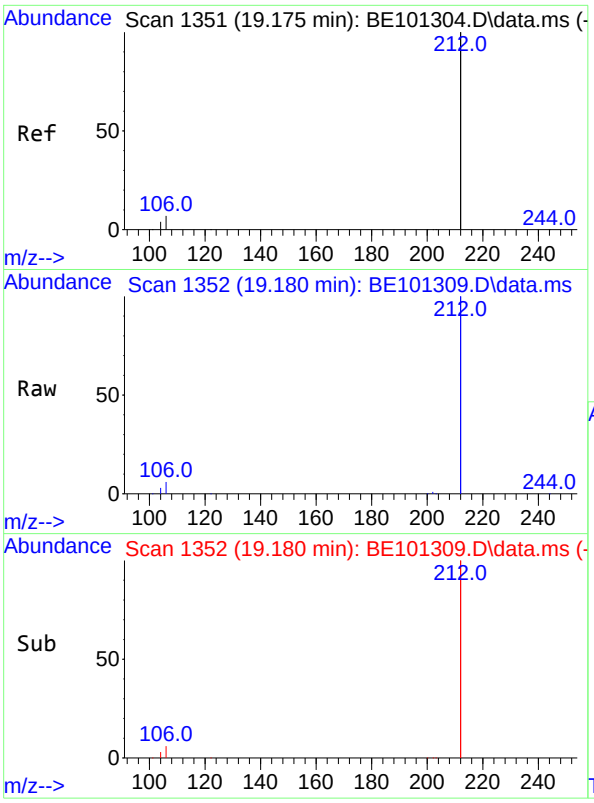


#26
Anthracene
Concen: 0.40 ng
RT: 17.301 min Scan# 1105
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:178 Resp: 16270

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.3	12.1	18.1

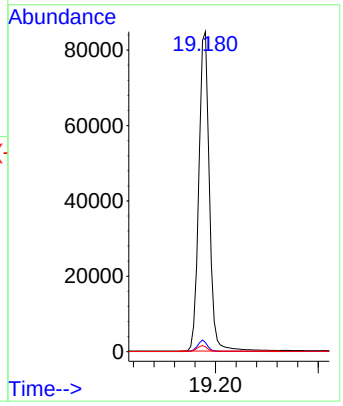




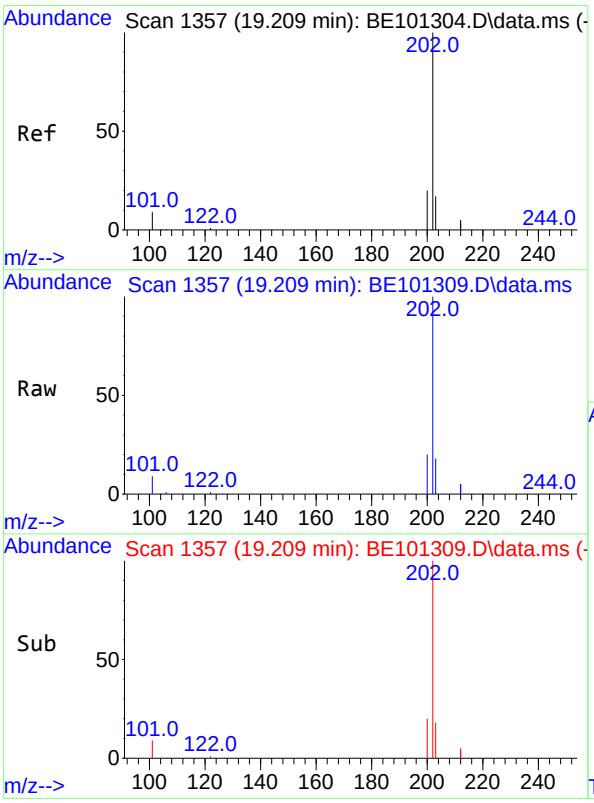
#27
Fluoranthene-d10
Concen: 0.43 ng
RT: 19.180 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:212 Resp: 120235

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



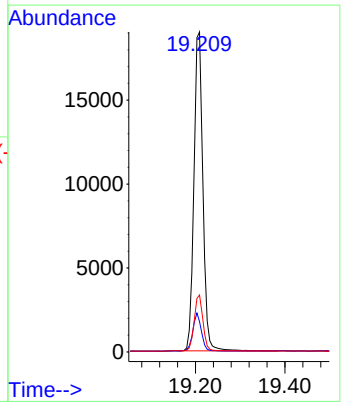
Instrument :
BNA_E
ClientSampleId :
ICVBE041921



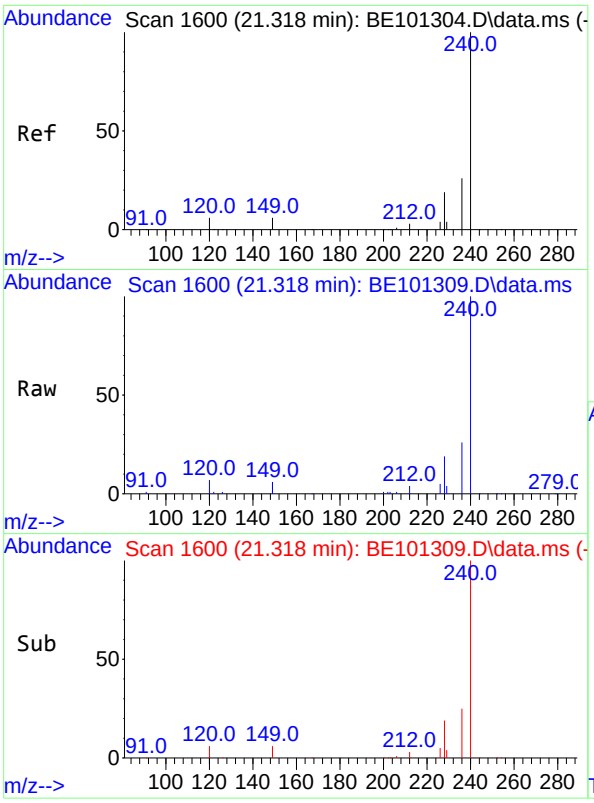
#28
Fluoranthene
Concen: 0.43 ng
RT: 19.209 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:202 Resp: 26402

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.2	13.8
203	17.3	13.7	20.5



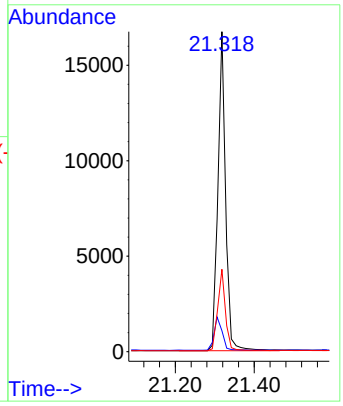
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

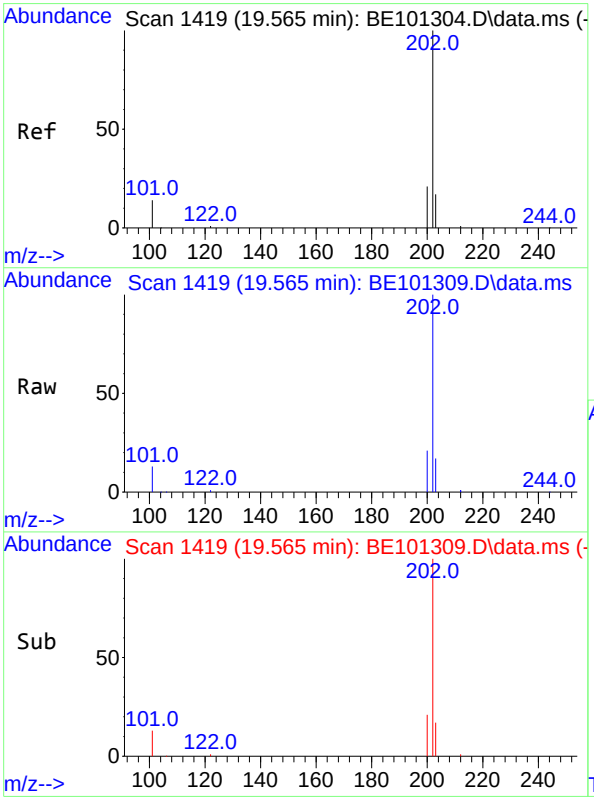


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.318 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:240 Resp: 22519

Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.3	7.9
236	25.7	21.0	31.4

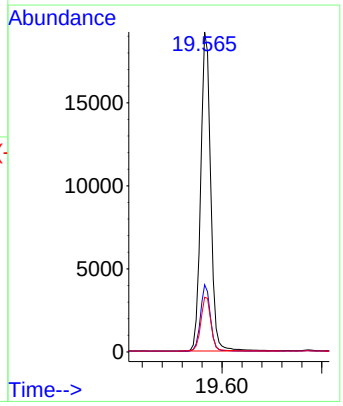




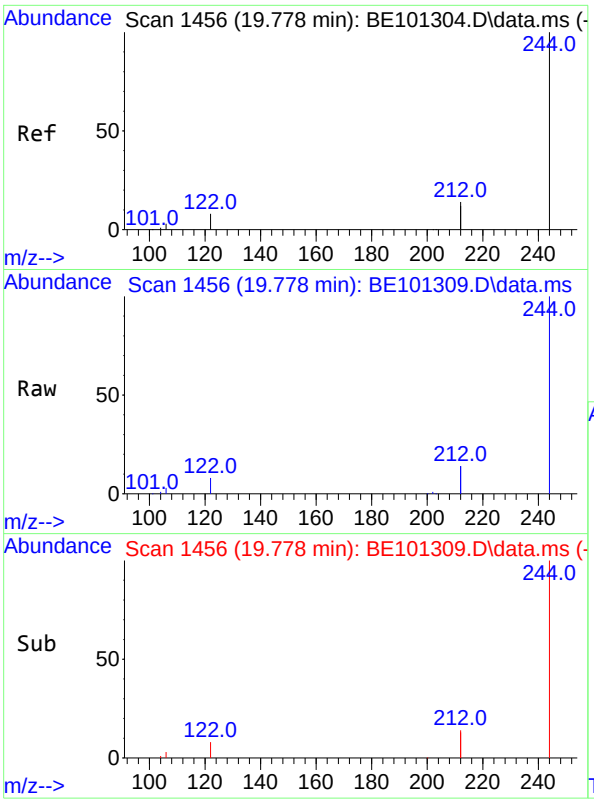
#30
Pyrene
Concen: 0.41 ng
RT: 19.565 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:202 Resp: 26793

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.4	13.8	20.8



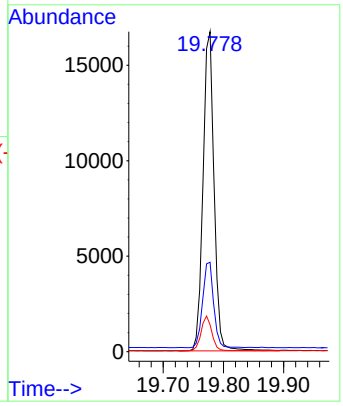
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

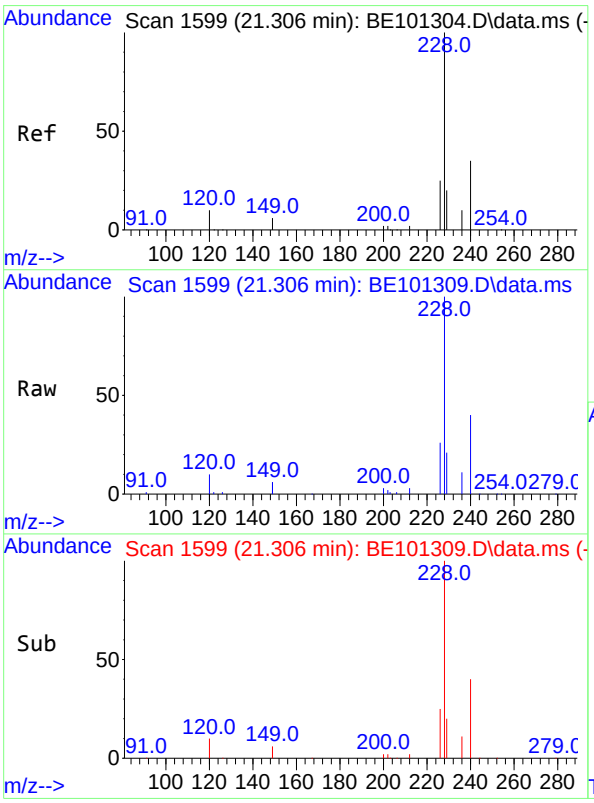


#31
Terphenyl-d14
Concen: 0.42 ng
RT: 19.778 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:244 Resp: 21205

Ion	Ratio	Lower	Upper
244	100		
212	27.9	21.7	32.5
122	8.4	6.7	10.1

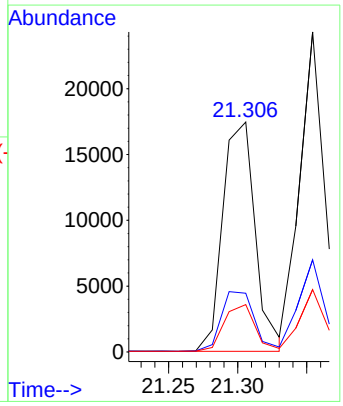




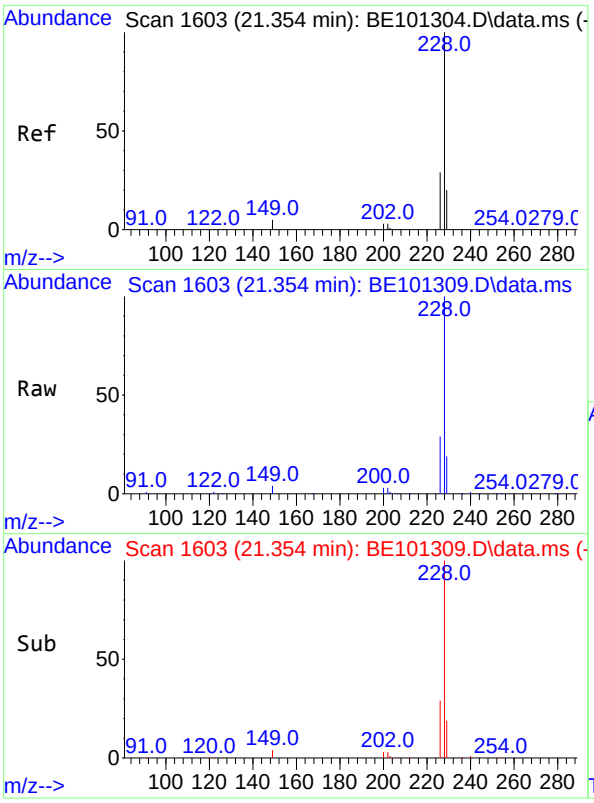
#32
Benzo(a)anthracene
Concen: 0.42 ng
RT: 21.306 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:228 Resp: 28536

Ion	Ratio	Lower	Upper
228	100		
226	25.6	20.4	30.6
229	20.6	16.1	24.1



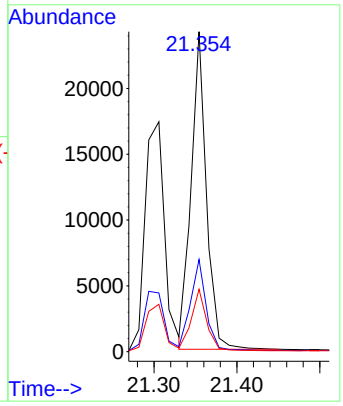
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

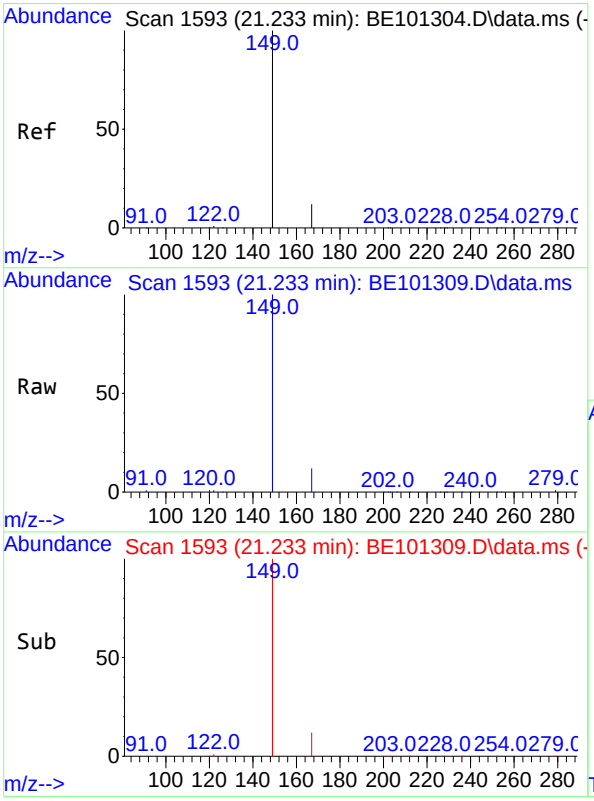


#33
Chrysene
Concen: 0.42 ng
RT: 21.354 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:228 Resp: 30939

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.5	15.8	23.8

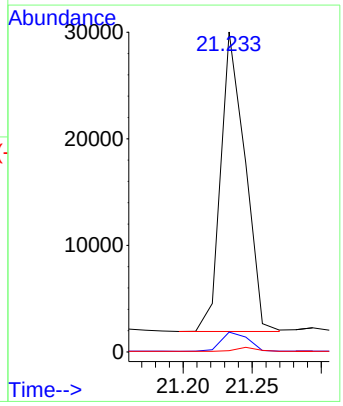




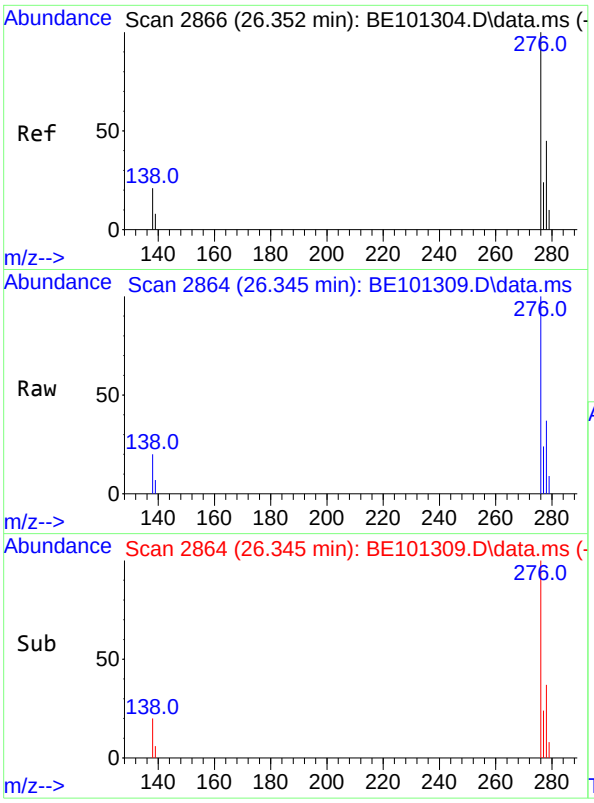
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.233 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:149 Resp: 34434

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.7	8.5
279	1.2	1.0	1.6



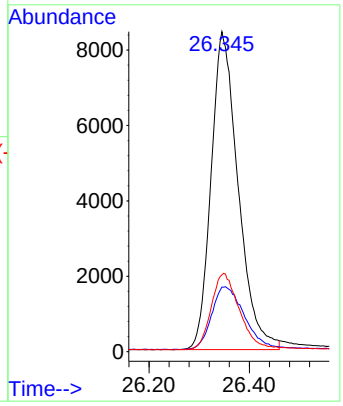
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

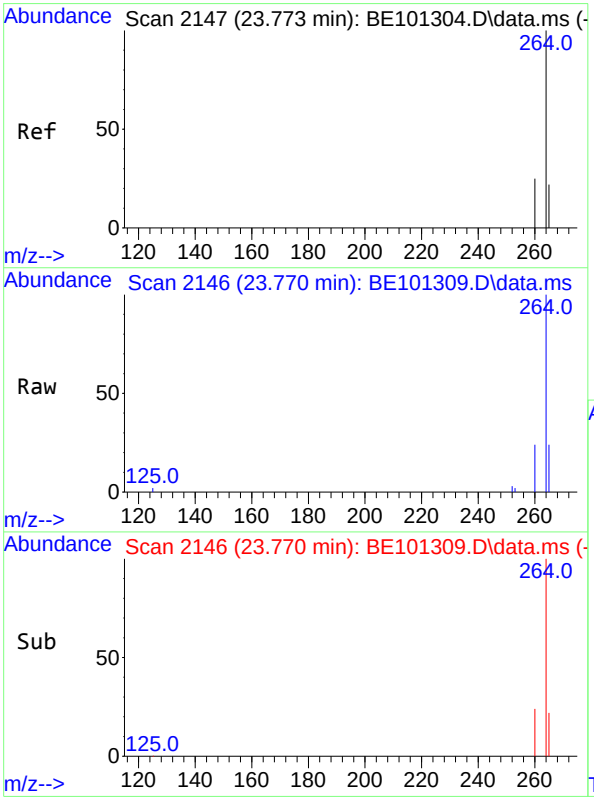


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.345 min Scan# 2864
Delta R.T. -0.007 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:276 Resp: 31593

Ion	Ratio	Lower	Upper
276	100		
138	23.8	16.6	24.8
277	25.0	17.6	26.4

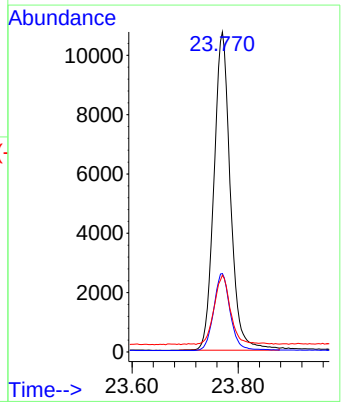




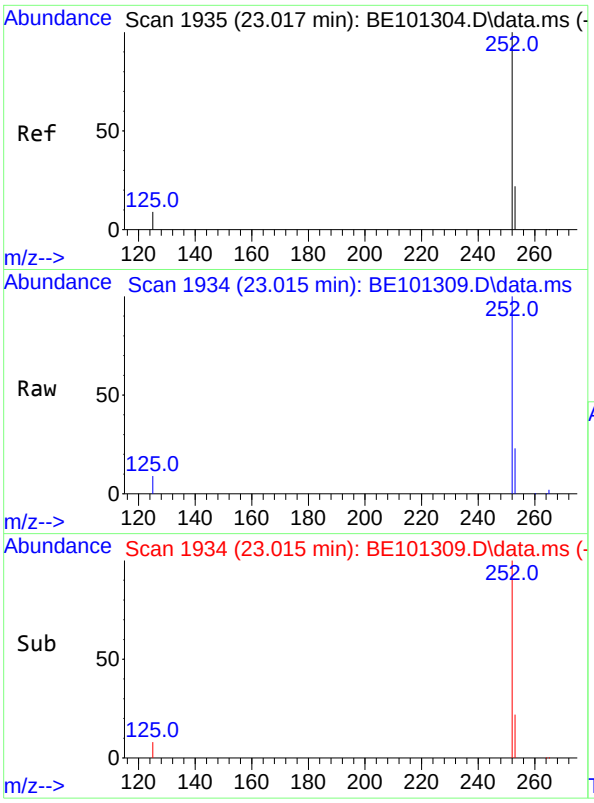
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.770 min Scan# 2146
Delta R.T. -0.002 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:264 Resp: 23073

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	24.0	19.4	29.0



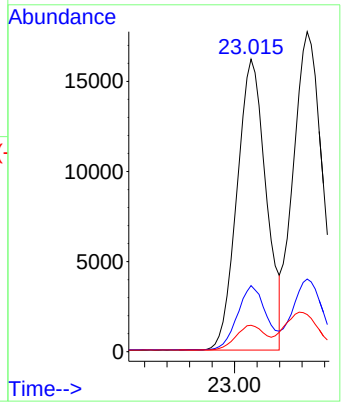
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

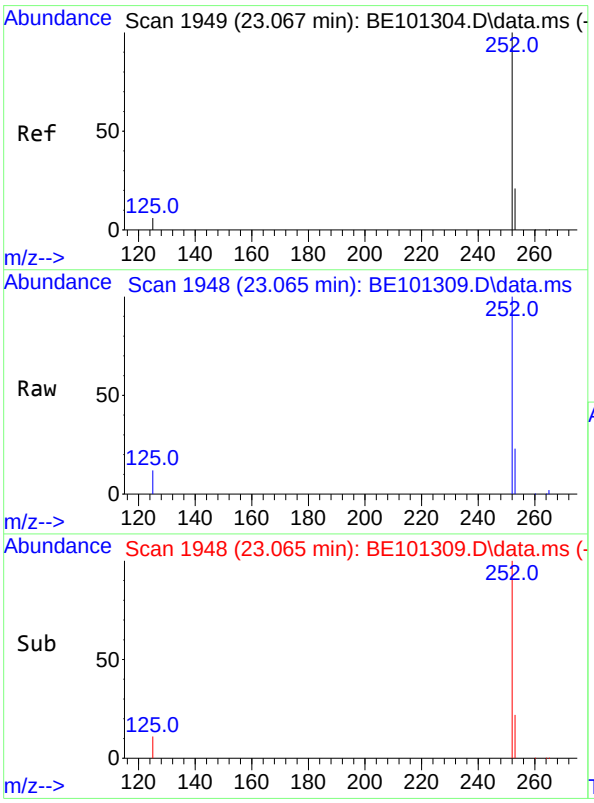


#37
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.015 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:252 Resp: 29034

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.0	7.5	11.3

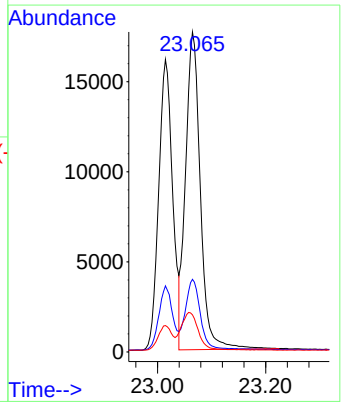




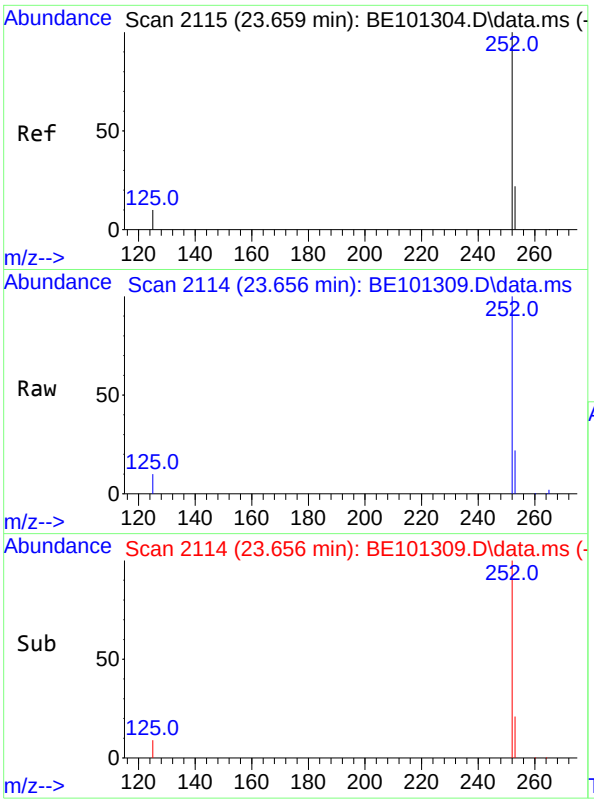
#38
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.065 min Scan# 1948
Delta R.T. -0.002 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:252 Resp: 33438

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.6	8.8	13.2



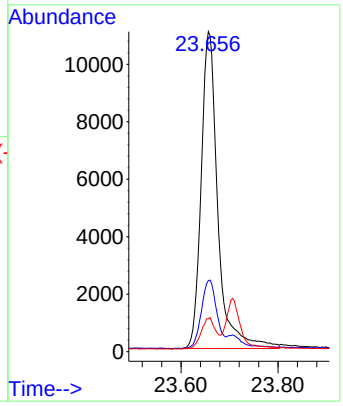
Instrument :
BNA_E
ClientSampleId :
ICVBE041921

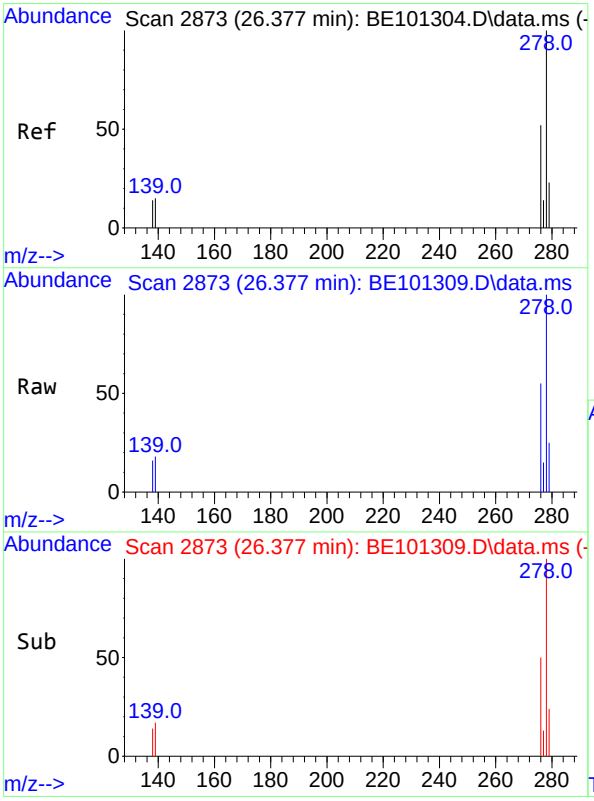


#39
Benzo(a)pyrene
Concen: 0.41 ng
RT: 23.656 min Scan# 2114
Delta R.T. -0.002 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:252 Resp: 26309

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.3	8.5	12.7

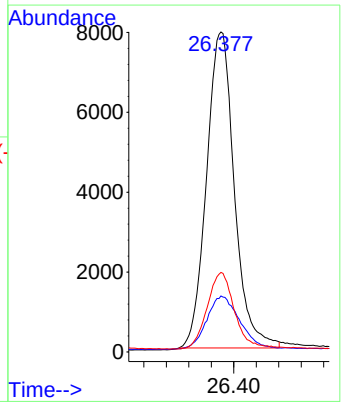


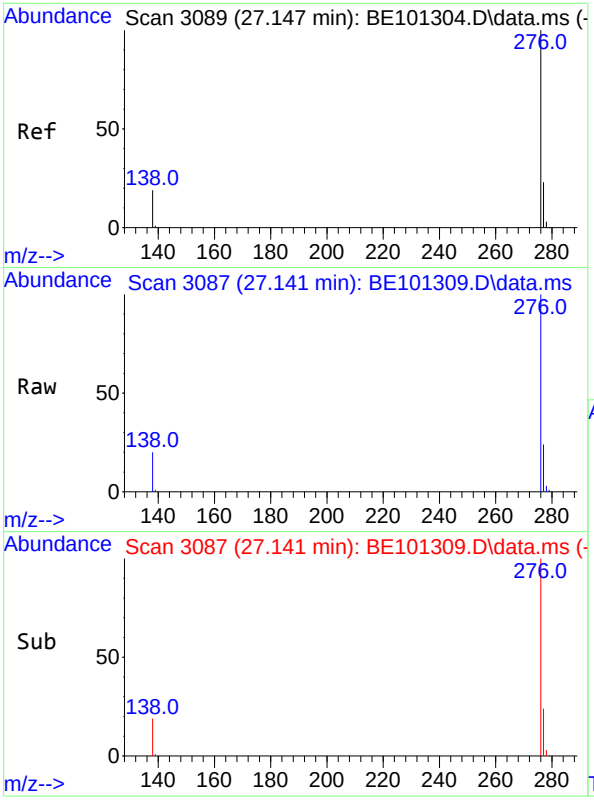


#40
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 26.377 min Scan# 2873
Delta R.T. 0.000 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:278 Resp: 27238

Ion	Ratio	Lower	Upper
278	100		
139	17.5	12.9	19.3
279	24.9	19.3	28.9

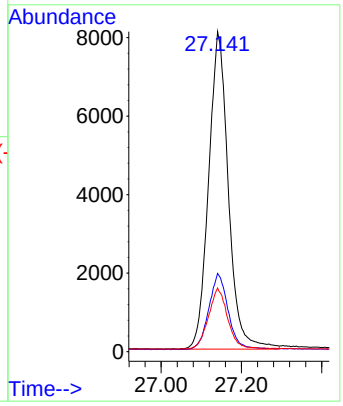




#41
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 27.141 min Scan# 3087
Delta R.T. -0.007 min
Lab File: BE101309.D
Acq: 19 Apr 2021 18:48

Tgt Ion:276 Resp: 27568

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.3	28.9
138	19.9	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
ICVBE041921