Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040121\
Data File : BE101174.D
Acq On : 1 Apr 2021 13:03
Operator : CG/JU
Sample : PB135471BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB135471BS

Quant Time: Apr 01 13:44:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE032421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 01 12:49:55 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.839	152	4201	0.40	ng		-0.01
7) Naphthalene-d8	10.626	136	17923	0.40	ng		# 0.00
13) Acenaphthene-d10	14.458	164	11235	0.40	ng		0.00
19) Phenanthrene-d10	17.211	188	26162	0.40	ng		# 0.00
29) Chrysene-d12	21.366	240	30748	0.40	ng		# 0.00
36) Perylene-d12	23.848	264	29108	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.432	112	4811	0.49	ng		0.00
5) Phenol-d6	6.998	99	7402	0.48	ng		0.00
8) Nitrobenzene-d5	8.989	82	5058	0.47	ng		0.01
11) 2-Methylnaphthalene-d10	12.211	152	12047	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.956	330	1236	0.62	ng		0.00
15) 2-Fluorobiphenyl	13.090	172	16887	0.40	ng		0.00
27) Fluoranthene-d10	19.227	212	136948	0.41	ng		0.00
31) Terphenyl-d14	19.824	244	29723	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.382	88	2976	0.44	ng		93
3) n-Nitrosodimethylamine	3.681	42	3066	0.43	ng	#	98
6) bis(2-Chloroethyl)ether	7.263	93	5702	0.44	ng		98
9) Naphthalene	10.678	128	77445	0.42	ng		100
10) Hexachlorobutadiene	10.964	225	3346	0.40	ng		98
12) 2-Methylnaphthalene	12.283	142	12855	0.41	ng		98
16) Acenaphthylene	14.170	152	16246	0.38	ng		99
17) Acenaphthene	14.516	154	12700	0.41	ng		97
18) Fluorene	15.517	166	16041	0.40	ng		99
20) 4,6-Dinitro-2-methylph...	15.593	198	872	0.66	ng	#	73
21) 4-Bromophenyl-phenylether	16.409	248	5242	0.45	ng	#	81
22) Hexachlorobenzene	16.530	284	5290	0.41	ng		99
23) Atrazine	16.682	200	3999	0.55	ng	#	92
24) Pentachlorophenol	16.863	266	1689	0.50	ng		98
25) Phenanthrene	17.256	178	31031	0.43	ng		100
26) Anthracene	17.347	178	24719	0.40	ng		100
28) Fluoranthene	19.255	202	37577	0.41	ng		99
30) Pyrene	19.617	202	38212	0.42	ng		99
32) Benzo(a)anthracene	21.354	228	35459	0.45	ng		97
33) Chrysene	21.403	228	40758	0.43	ng		98
34) Bis(2-ethylhexyl)phtha...	21.294	149	30165	0.58	ng	#	98
35) Indeno(1,2,3-cd)pyrene	26.466	276	34935	0.56	ng		99
37) Benzo(b)fluoranthene	23.089	252	35450	0.46	ng		99
38) Benzo(k)fluoranthene	23.135	252	38375	0.39	ng		99
39) Benzo(a)pyrene	23.737	252	30391	0.42	ng		99
40) Dibenzo(a,h)anthracene	26.495	278	29370	0.50	ng		98
41) Benzo(g,h,i)perylene	27.269	276	33050	0.45	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040121\
Data File : BE101174.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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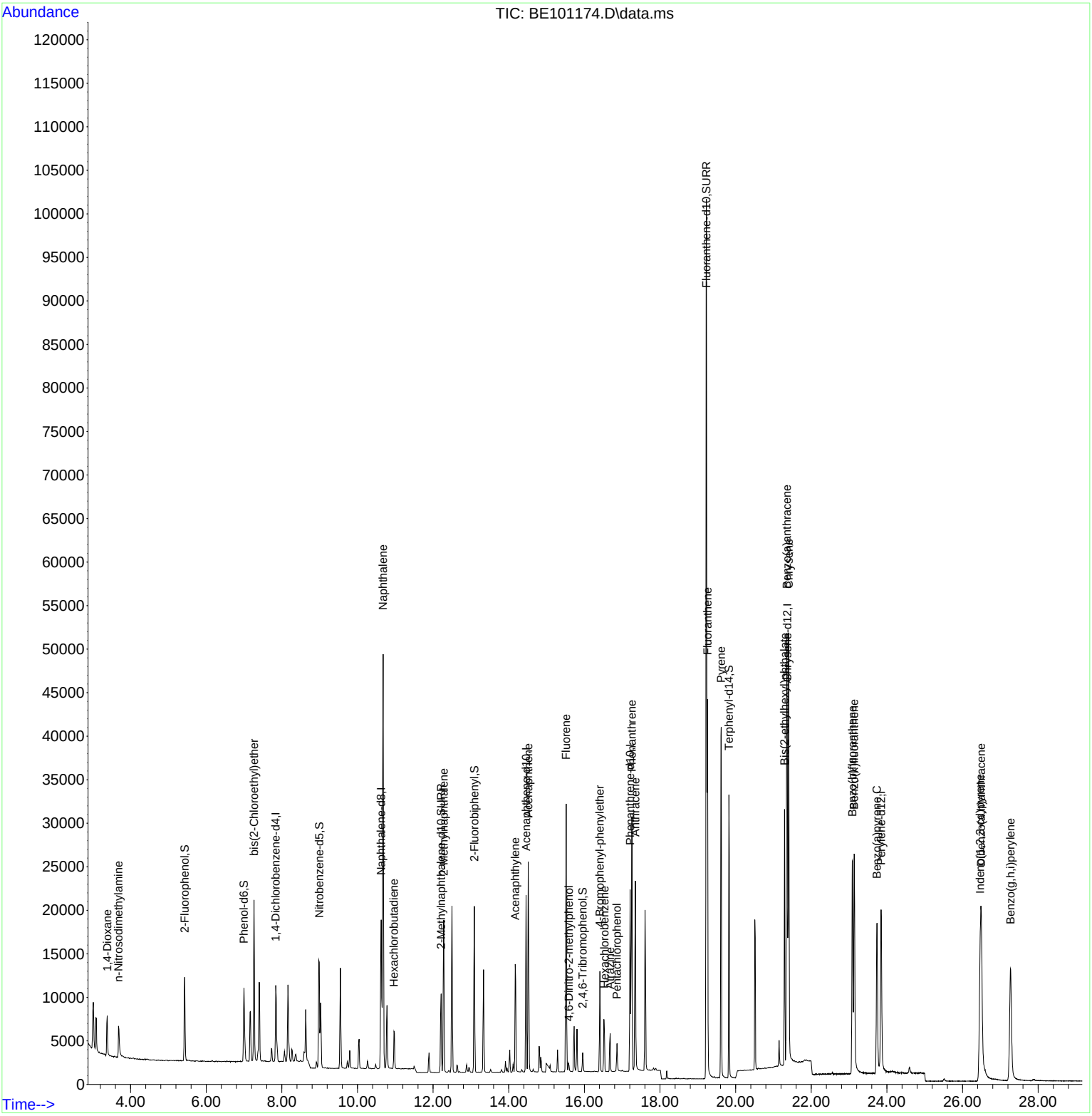
Quant Time: Apr 01 13:44:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE032421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 01 12:49:55 2021
Response via : Initial Calibration



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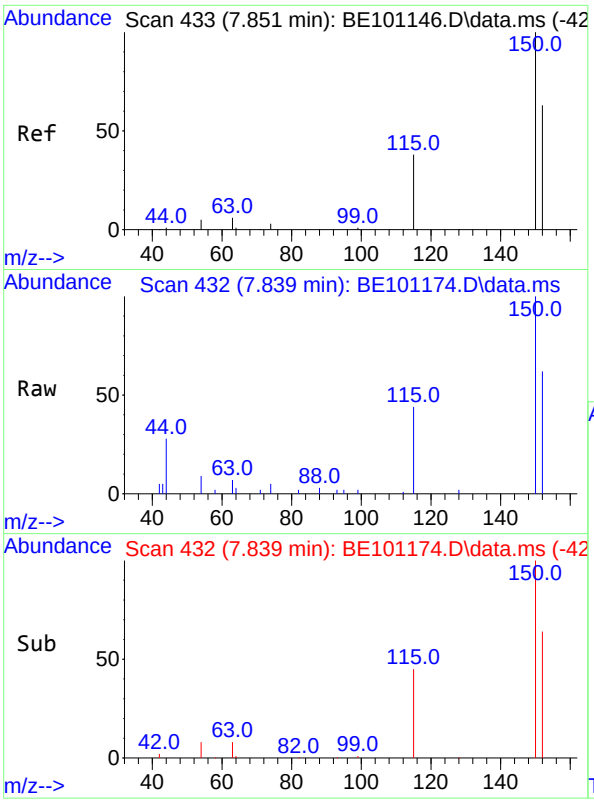
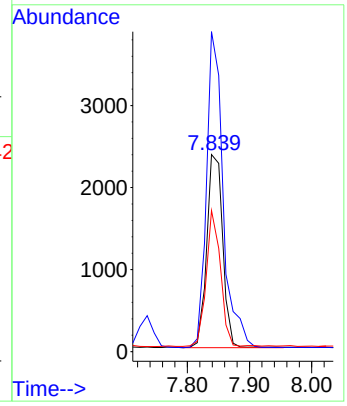
PB135471BS

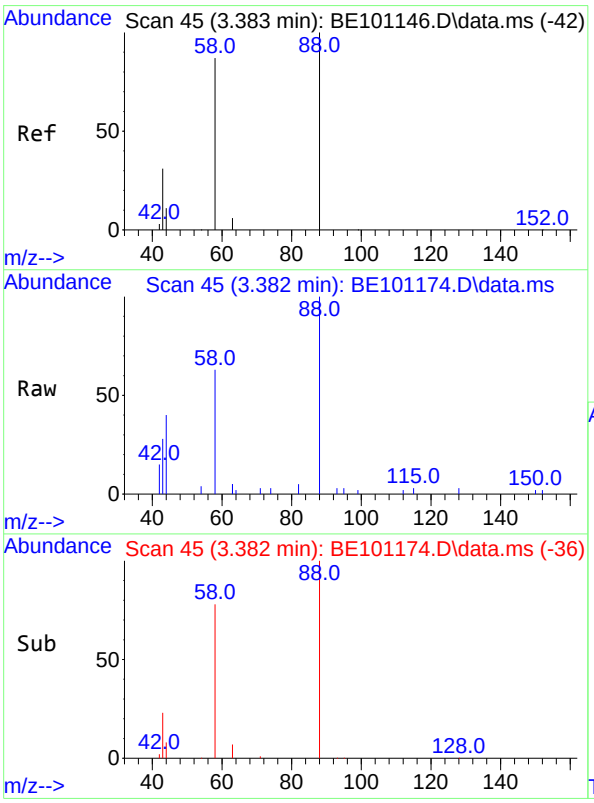


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.839 min Scan# 432
Delta R.T. -0.011 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:152 Resp: 4201

Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.3	189.5
115	71.6	48.9	73.3

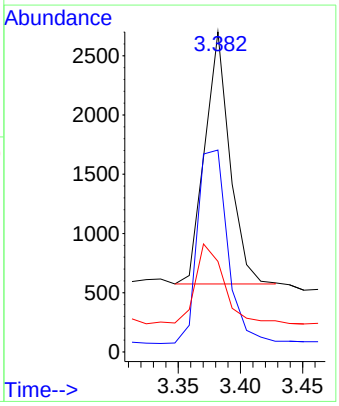




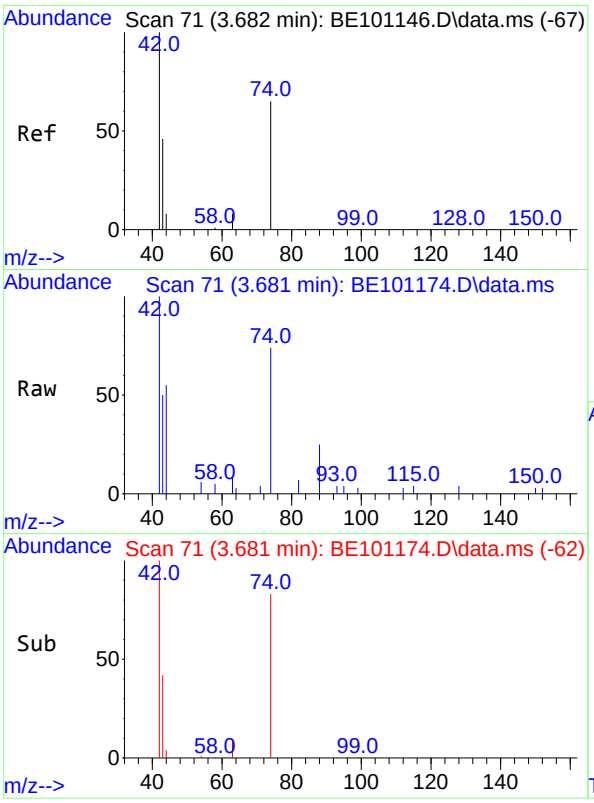
#2
1,4-Dioxane
Concen: 0.44 ng
RT: 3.382 min Scan# 45
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion: 88 Resp: 2976

Ion	Ratio	Lower	Upper
88	100		
58	93.6	68.5	102.7
43	35.8	27.2	40.8



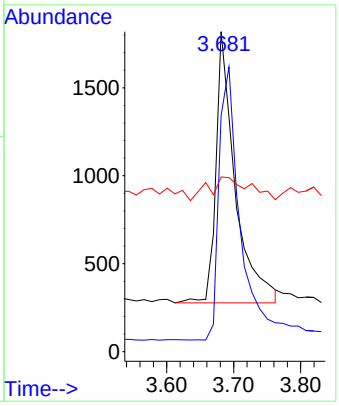
Instrument :
BNA_E
ClientSampleId :
PB135471BS

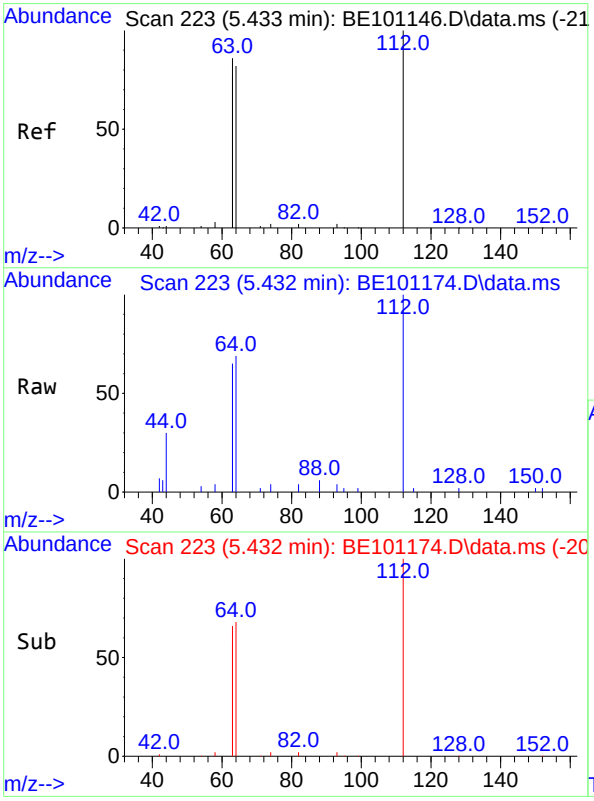


#3
n-Nitrosodimethylamine
Concen: 0.43 ng
RT: 3.681 min Scan# 71
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion: 42 Resp: 3066

Ion	Ratio	Lower	Upper
42	100		
74	108.7	87.0	130.6
44	18.5	8.3	12.5#

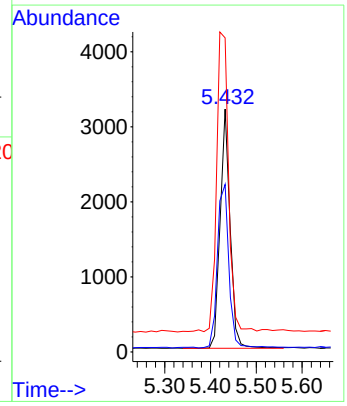




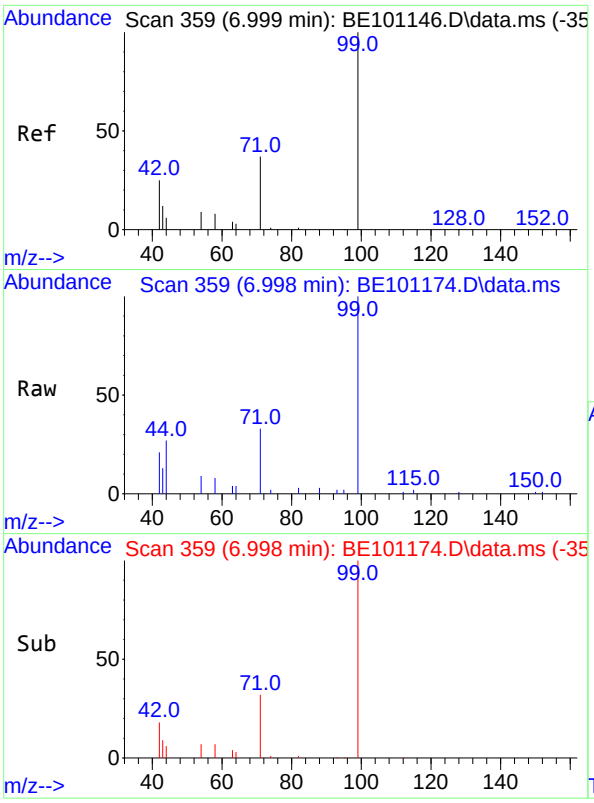
#4
2-Fluorophenol
Concen: 0.49 ng
RT: 5.432 min Scan# 223
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:112 Resp: 4811

Ion	Ratio	Lower	Upper
112	100		
64	79.5	60.8	91.2
63	150.3	119.4	179.0



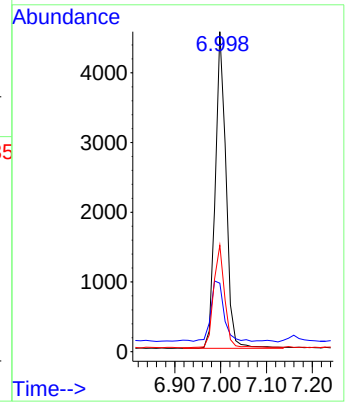
Instrument :
BNA_E
ClientSampleId :
PB135471BS

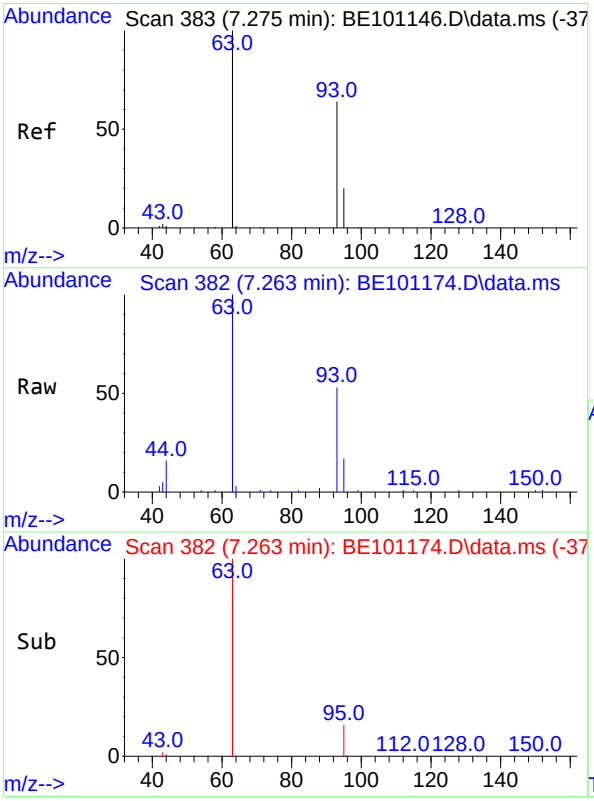


#5
Phenol-d6
Concen: 0.48 ng
RT: 6.998 min Scan# 359
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion: 99 Resp: 7402

Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.8	28.2
71	33.3	26.3	39.5

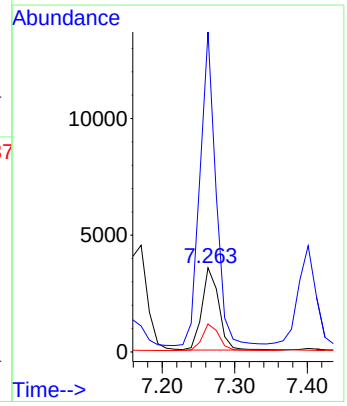




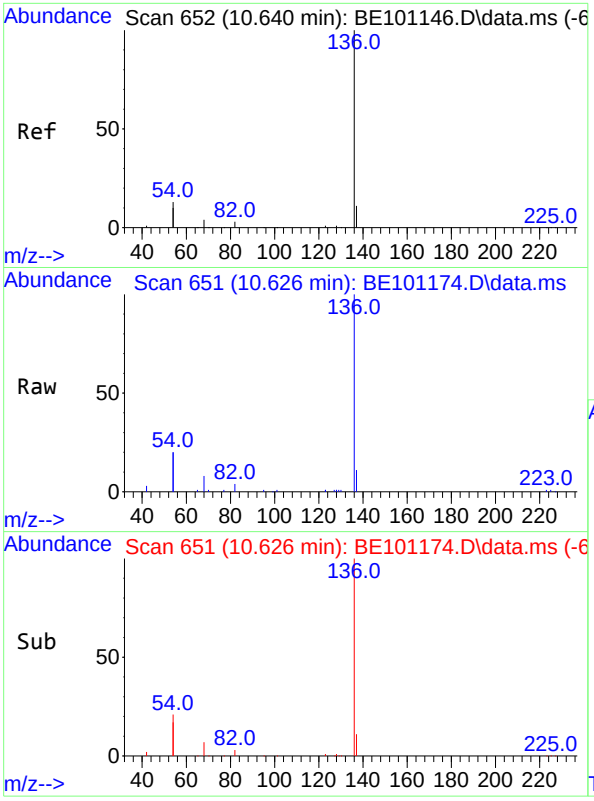
#6
bis(2-Chloroethyl)ether
Concen: 0.44 ng
RT: 7.263 min Scan# 382
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion: 93 Resp: 5702

Ion	Ratio	Lower	Upper
93	100		
63	361.4	292.5	438.7
95	32.0	25.8	38.6



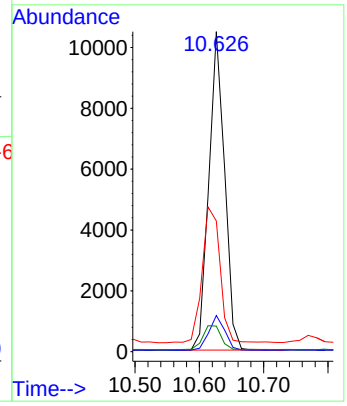
Instrument :
BNA_E
ClientSampleId :
PB135471BS

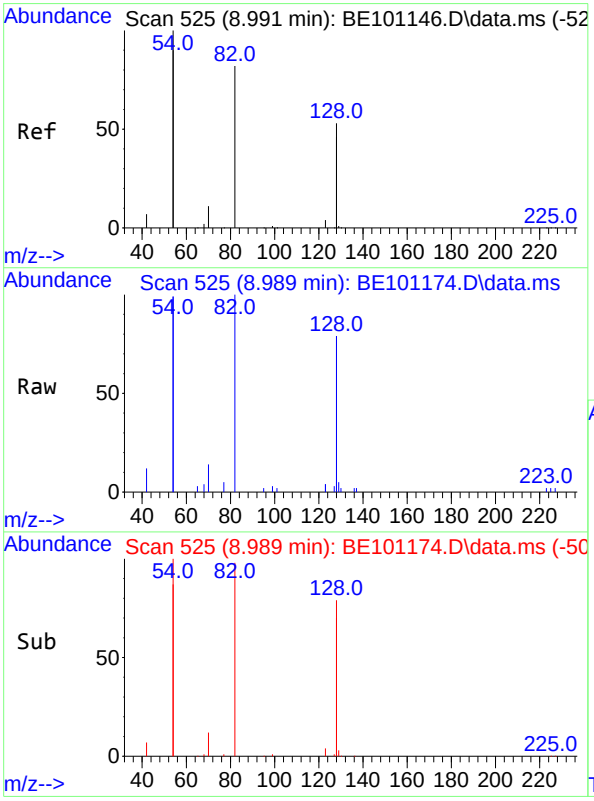


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.626 min Scan# 651
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:136 Resp: 17923

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	40.8	20.2	30.4#
68	8.0	4.0	6.0#

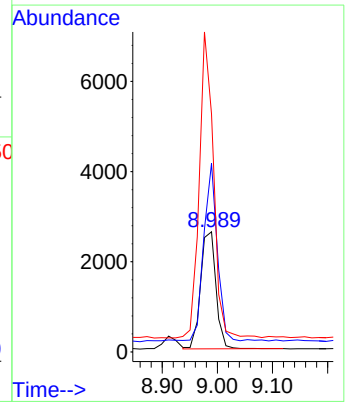




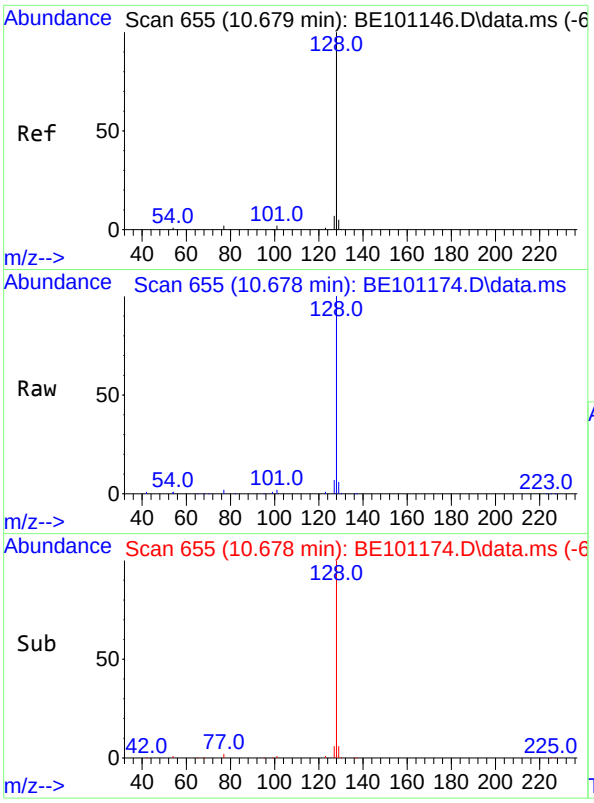
#8
Nitrobenzene-d5
Concen: 0.47 ng
RT: 8.989 min Scan# 525
Delta R.T. 0.012 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion: 82 Resp: 5058

Ion	Ratio	Lower	Upper
82	100		
128	157.1	101.5	152.3#
54	198.1	189.8	284.6



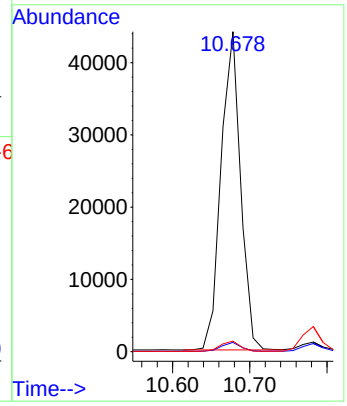
Instrument :
BNA_E
ClientSampleId :
PB135471BS

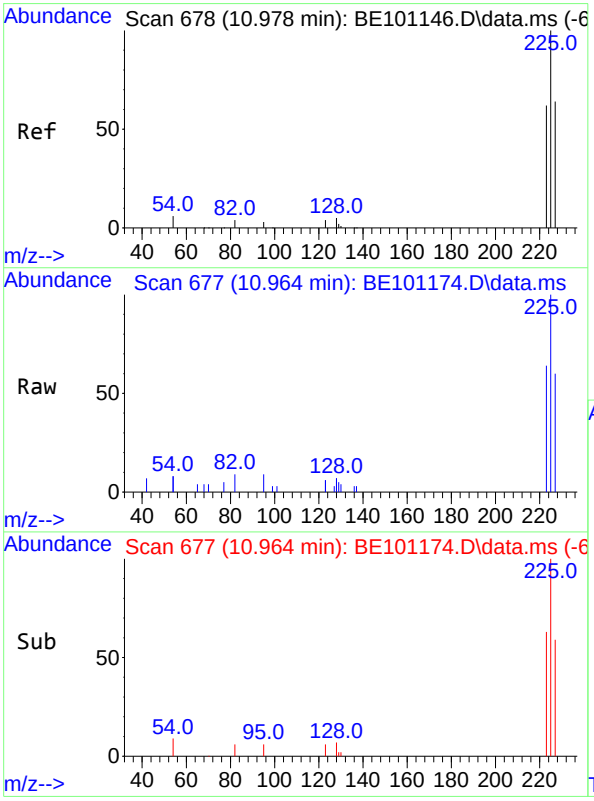


#9
Naphthalene
Concen: 0.42 ng
RT: 10.678 min Scan# 655
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:128 Resp: 77445

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.2
127	3.3	2.7	4.1

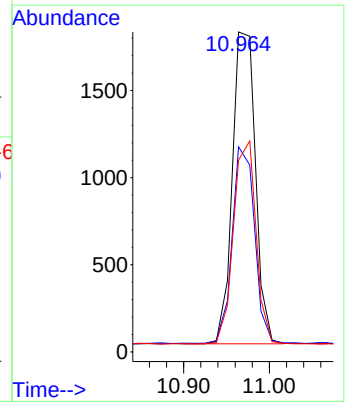




#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 10.964 min Scan# 677
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:225 Resp: 3346

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.1	75.1
227	63.2	51.7	77.5



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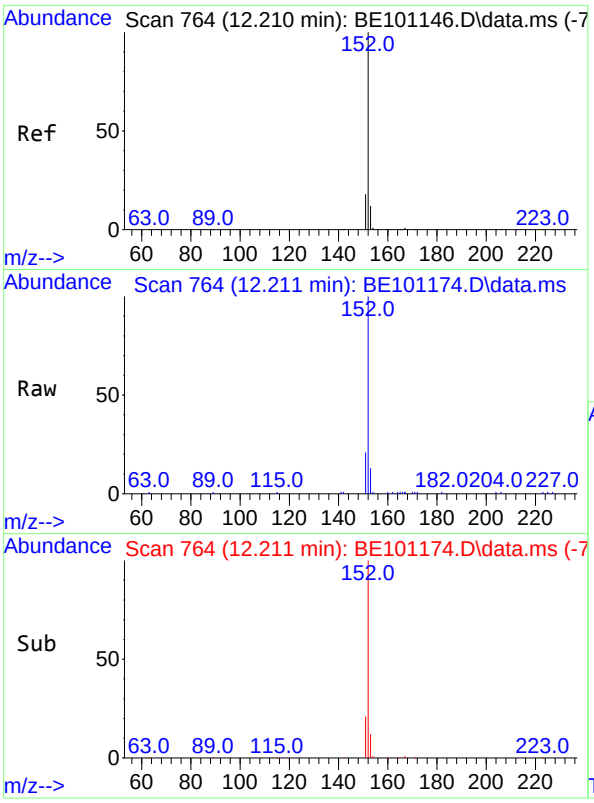
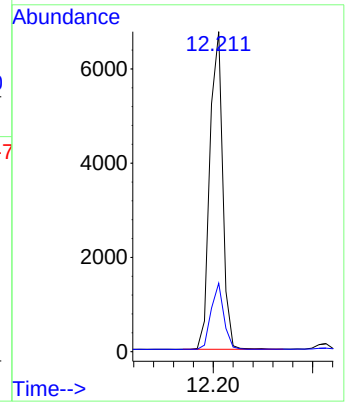
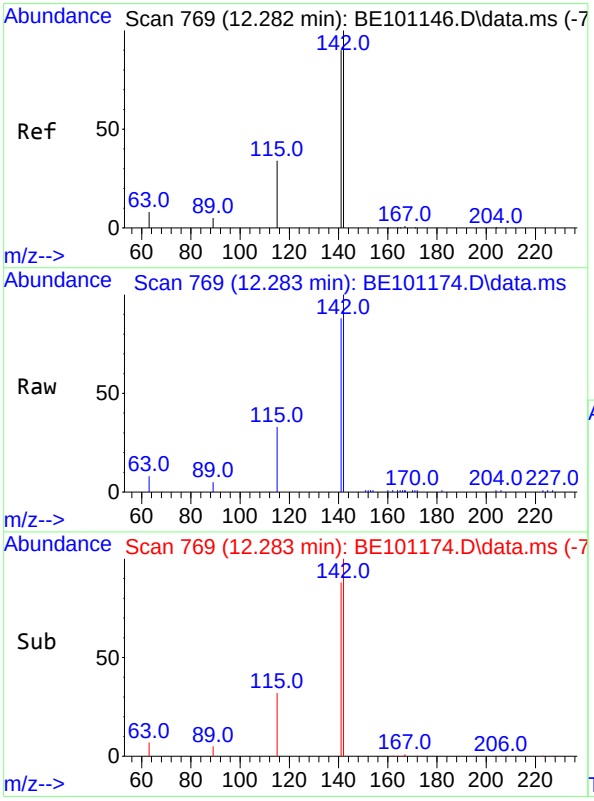


#11
2-Methylnaphthalene-d10
Concen: 0.41 ng
RT: 12.211 min Scan# 764
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:152 Resp: 12047

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8

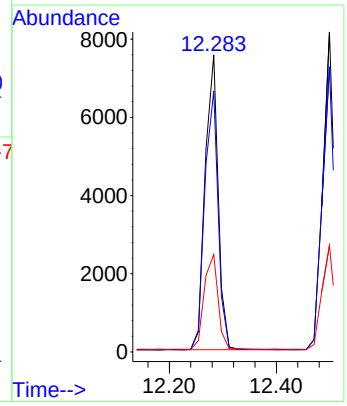


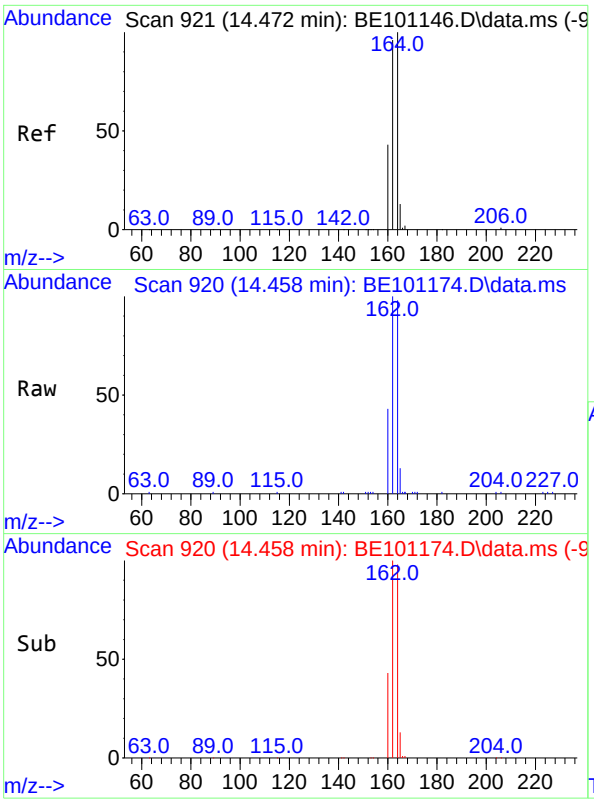


#12
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.283 min Scan# 769
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:142 Resp: 12855

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.8	107.6
115	32.8	27.8	41.6

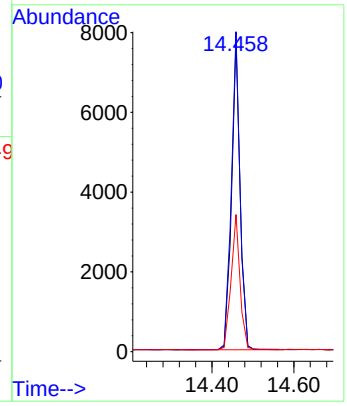




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.458 min Scan# 920
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:164 Resp: 11235

Ion	Ratio	Lower	Upper
164	100		
162	102.4	76.6	115.0
160	43.9	34.5	51.7



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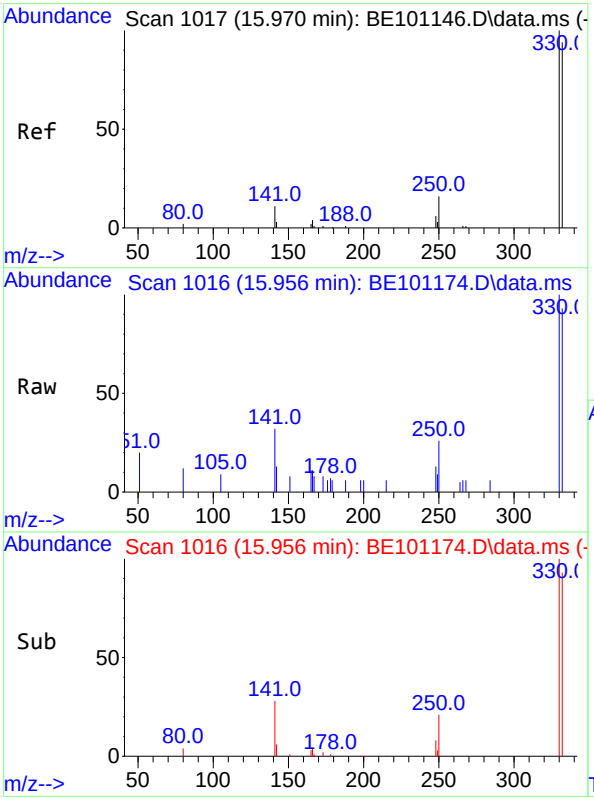
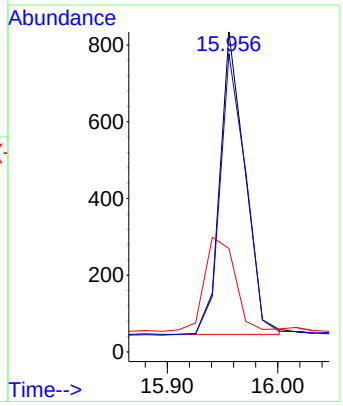


#14
2,4,6-Tribromophenol
Concen: 0.62 ng
RT: 15.956 min Scan# 1016
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:330 Resp: 1236

Ion	Ratio	Lower	Upper
330	100		
332	96.5	69.1	103.7
141	38.0	30.6	45.8



Instrument :
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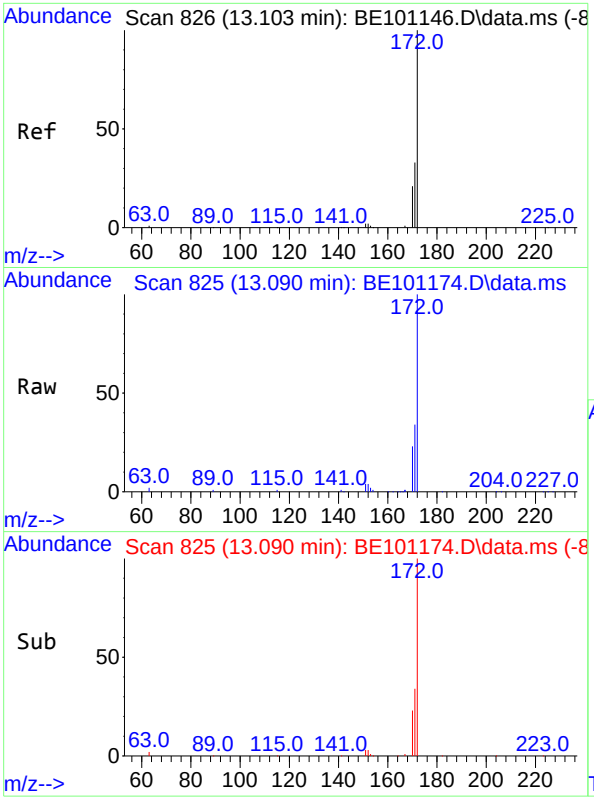
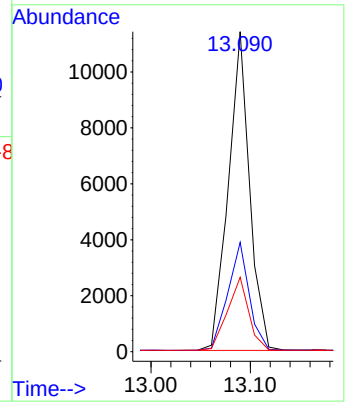
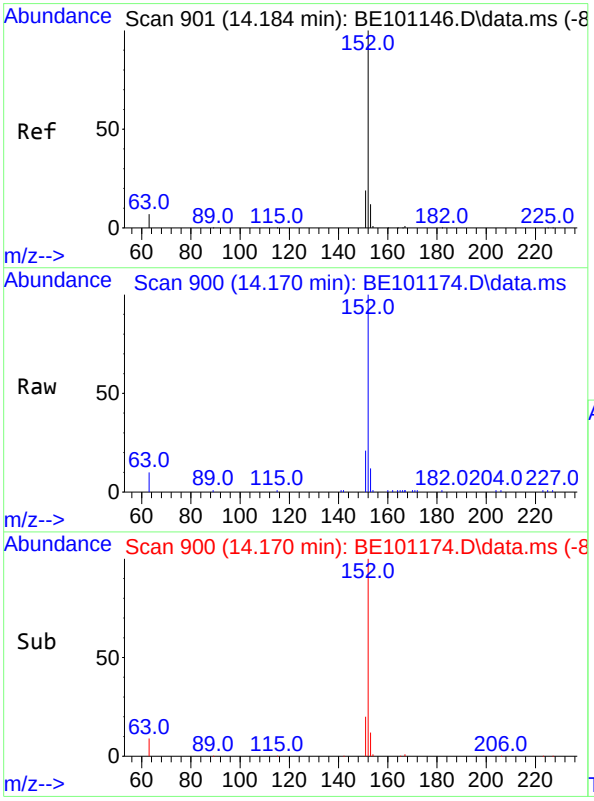


#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.090 min Scan# 825
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:172 Resp: 16887

Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.4	39.6
170	23.3	17.4	26.0

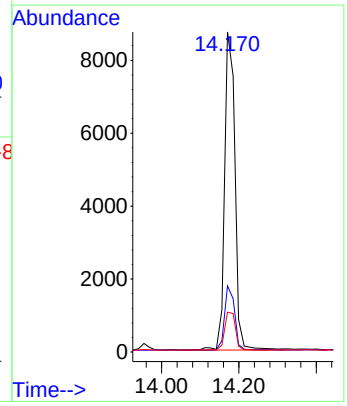




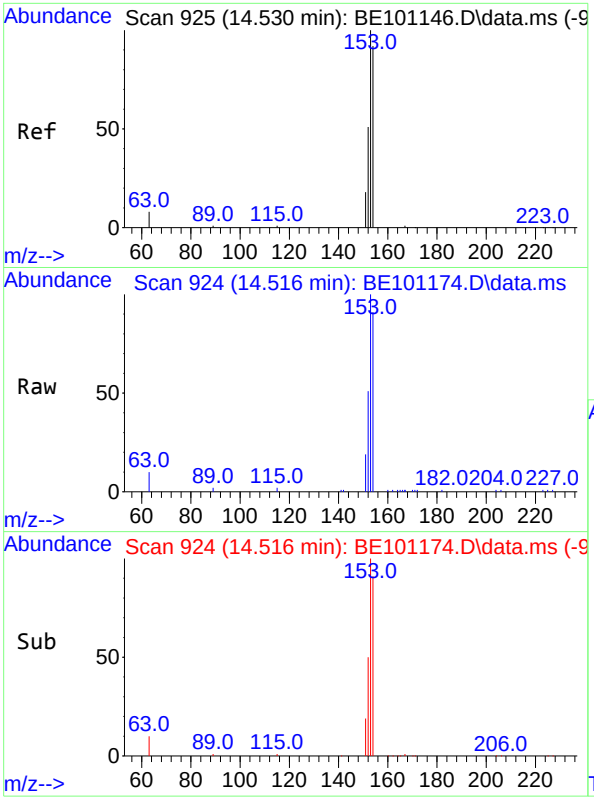
#16
Acenaphthylene
Concen: 0.38 ng
RT: 14.170 min Scan# 900
Delta R.T. -0.013 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:152 Resp: 16246

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.0
153	12.7	10.3	15.5



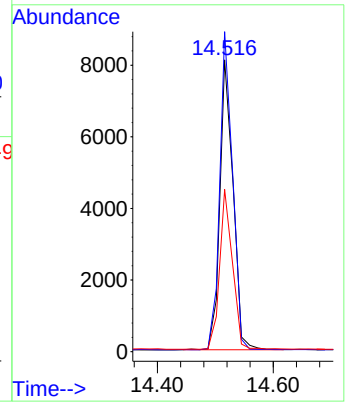
Instrument :
BNA_E
ClientSampleId :
PB135471BS

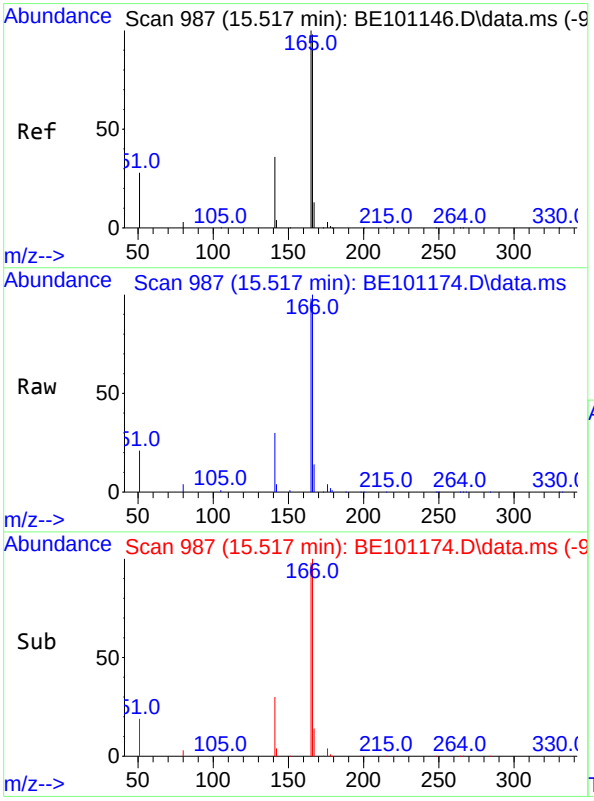


#17
Acenaphthene
Concen: 0.41 ng
RT: 14.516 min Scan# 924
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:154 Resp: 12700

Ion	Ratio	Lower	Upper
154	100		
153	106.7	86.7	130.1
152	53.9	46.1	69.1

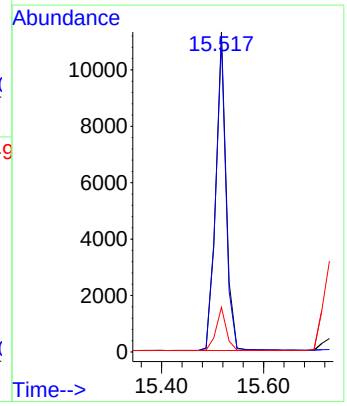




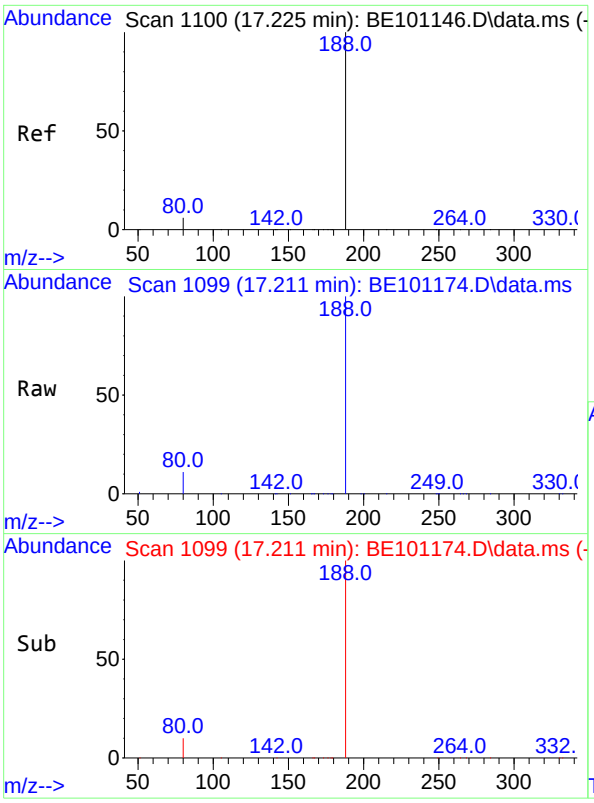
#18
Fluorene
Concen: 0.40 ng
RT: 15.517 min Scan# 987
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:166 Resp: 16041

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.9	118.3
167	13.5	10.7	16.1



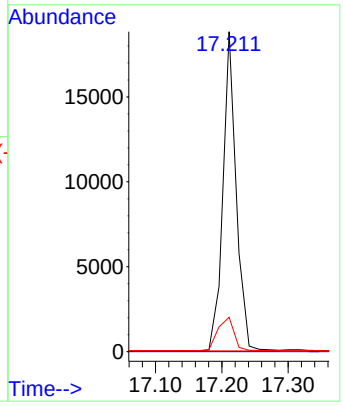
Instrument :
BNA_E
ClientSampleId :
PB135471BS

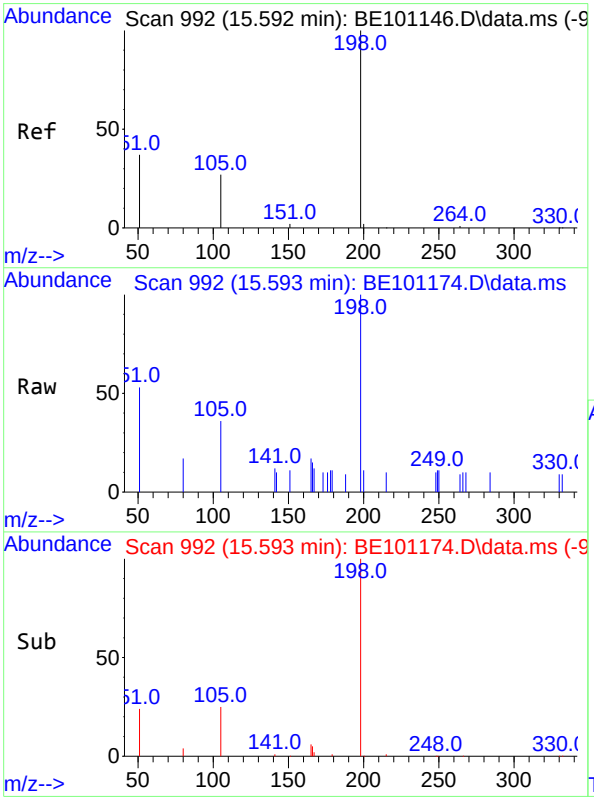


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.211 min Scan# 1099
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:188 Resp: 26162

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	4.8	7.2#

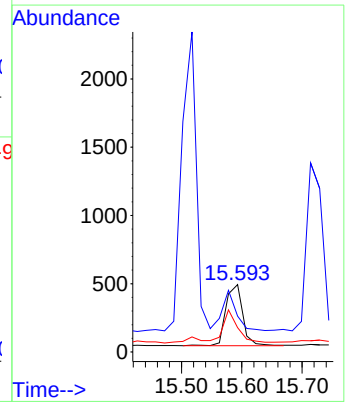




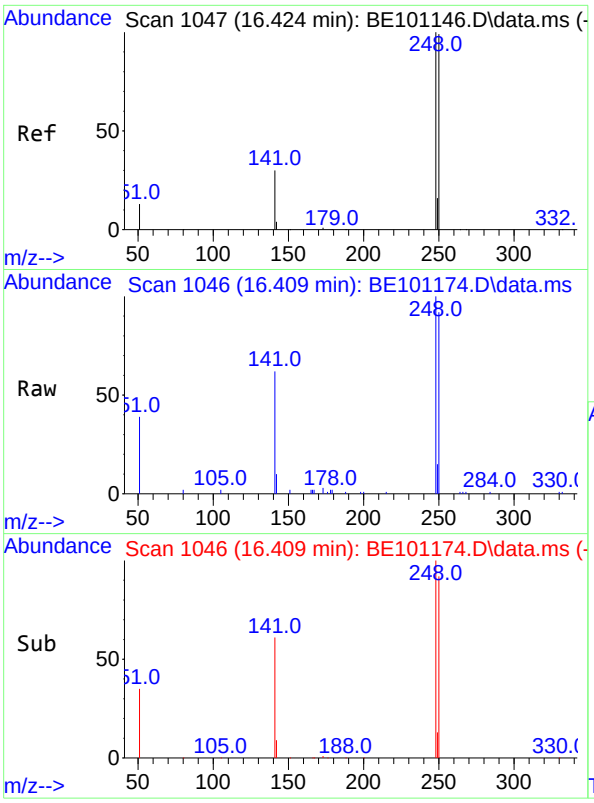
#20
4,6-Dinitro-2-methylphenol
Concen: 0.66 ng
RT: 15.593 min Scan# 992
Delta R.T. 0.014 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:198 Resp: 872

Ion	Ratio	Lower	Upper
198	100		
51	53.2	68.8	103.2#
105	36.2	32.7	49.1



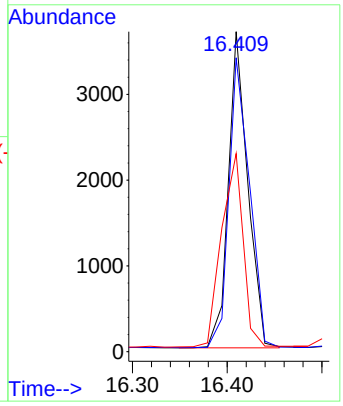
Instrument :
BNA_E
ClientSampleId :
PB135471BS

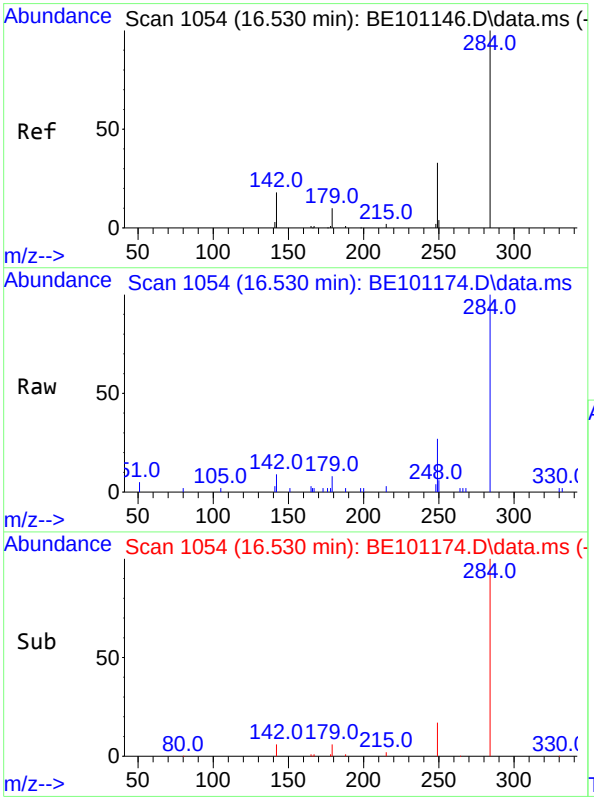


#21
4-Bromophenyl-phenylether
Concen: 0.45 ng
RT: 16.409 min Scan# 1046
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:248 Resp: 5242

Ion	Ratio	Lower	Upper
248	100		
250	91.9	79.0	118.6
141	61.9	24.9	37.3#

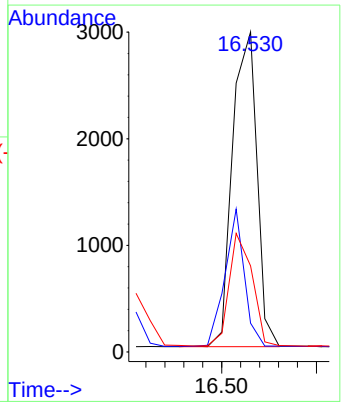




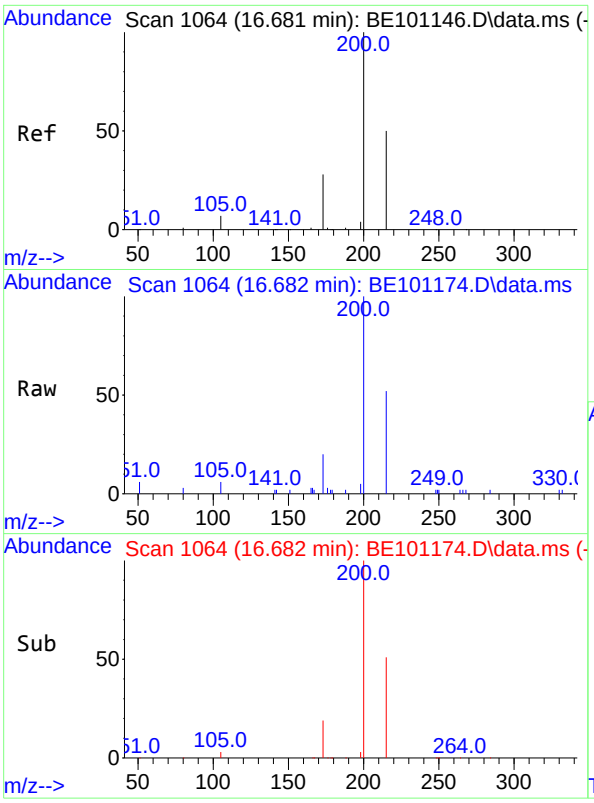
#22
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.530 min Scan# 1054
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:284 Resp: 5290

Ion	Ratio	Lower	Upper
284	100		
142	34.7	28.3	42.5
249	34.0	27.1	40.7



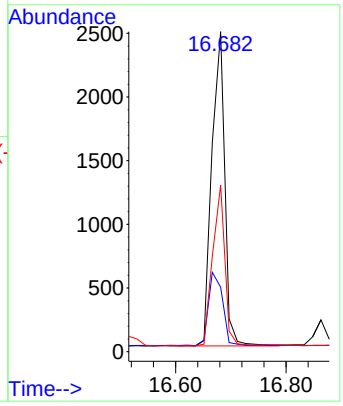
Instrument :
BNA_E
ClientSampleId :
PB135471BS

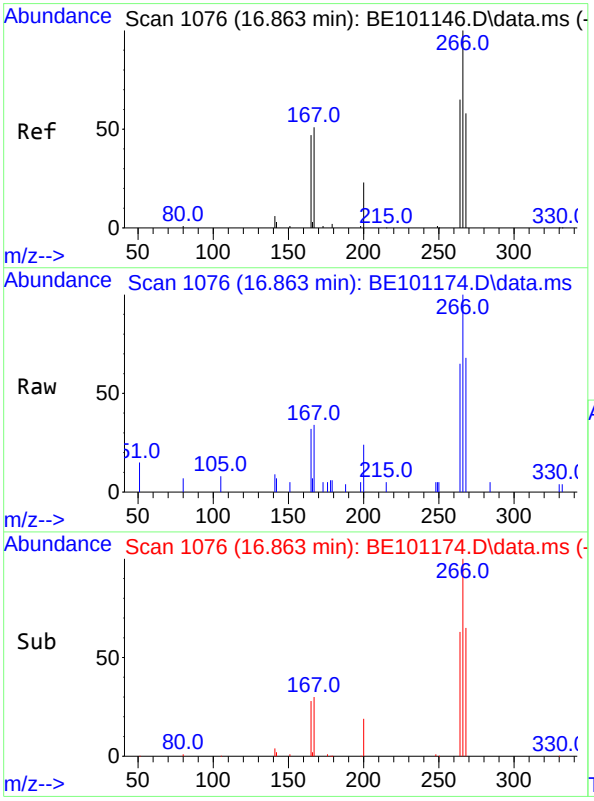


#23
Atrazine
Concen: 0.55 ng
RT: 16.682 min Scan# 1064
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:200 Resp: 3999

Ion	Ratio	Lower	Upper
200	100		
173	20.2	23.9	35.9#
215	52.1	40.6	61.0

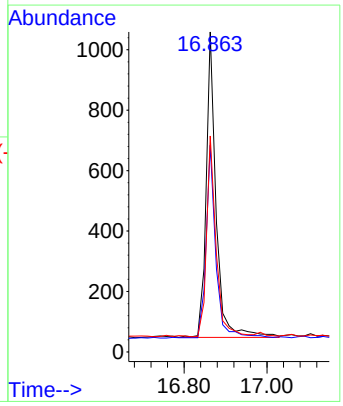




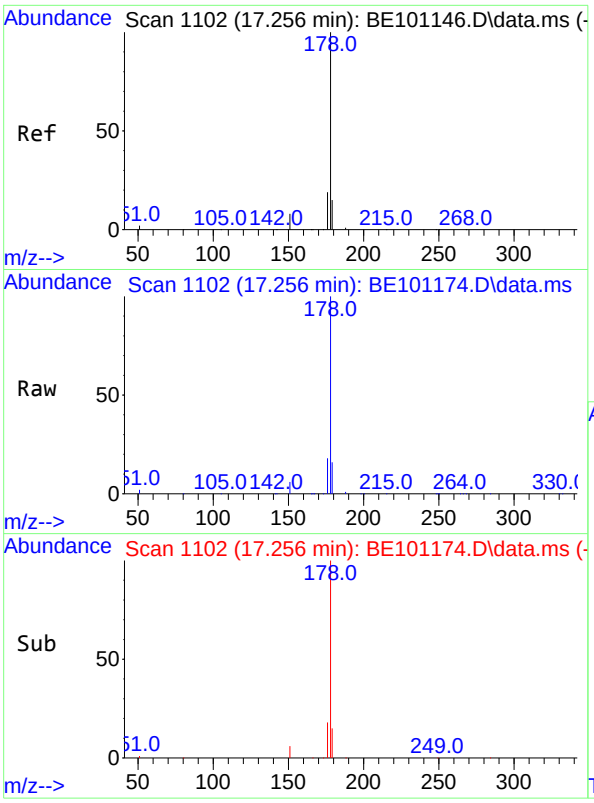
#24
Pentachlorophenol
Concen: 0.50 ng
RT: 16.863 min Scan# 1076
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:266 Resp: 1689

Ion	Ratio	Lower	Upper
266	100		
264	61.2	51.4	77.0
268	62.7	49.9	74.9



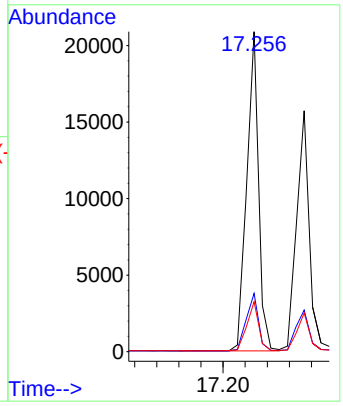
Instrument :
BNA_E
ClientSampleId :
PB135471BS

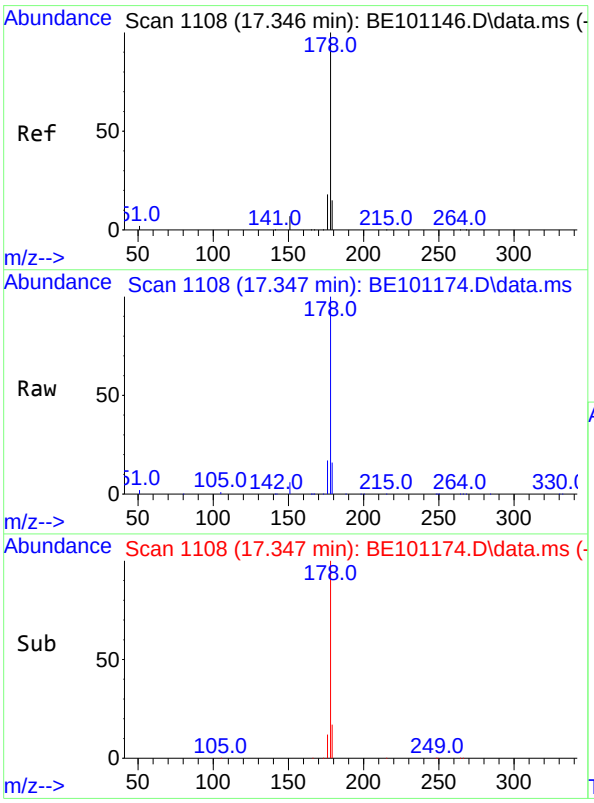


#25
Phenanthrene
Concen: 0.43 ng
RT: 17.256 min Scan# 1102
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:178 Resp: 31031

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.4	18.6

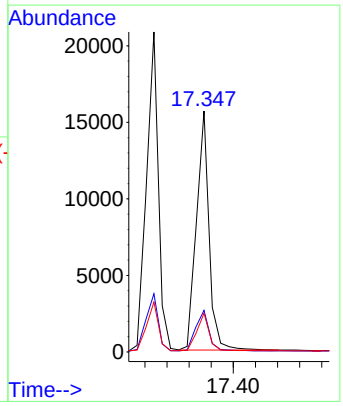




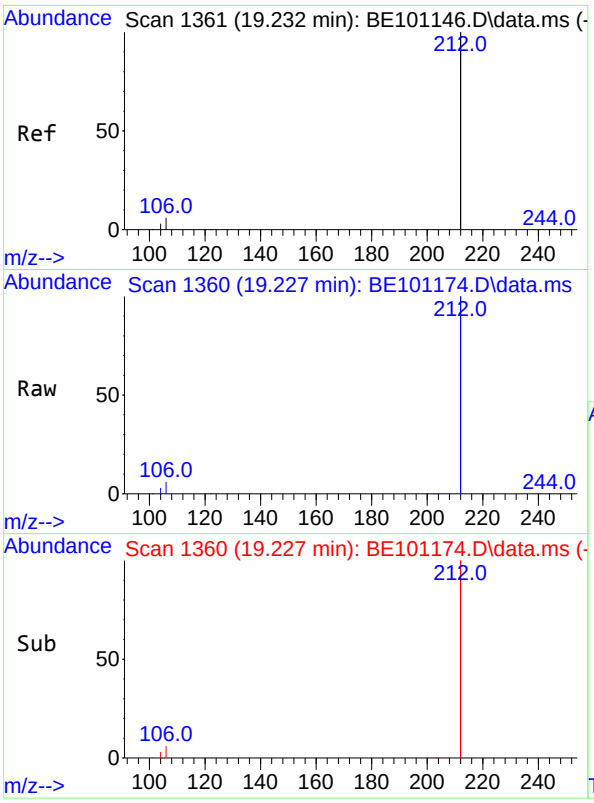
#26
Anthracene
Concen: 0.40 ng
RT: 17.347 min Scan# 1108
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:178 Resp: 24719

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.4	12.2	18.4



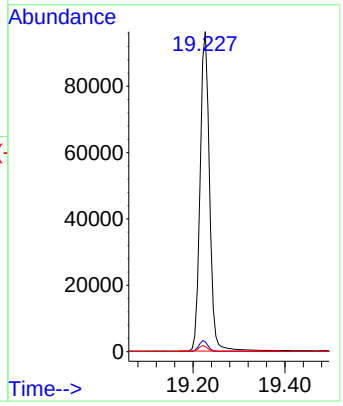
Instrument :
BNA_E
ClientSampleId :
PB135471BS

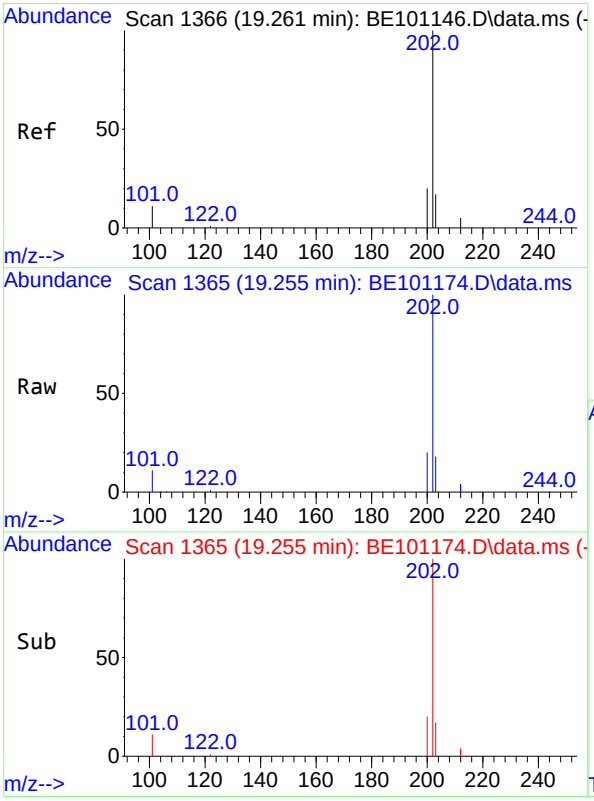


#27
Fluoranthene-d10
Concen: 0.41 ng
RT: 19.227 min Scan# 1360
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:212 Resp: 136948

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.2

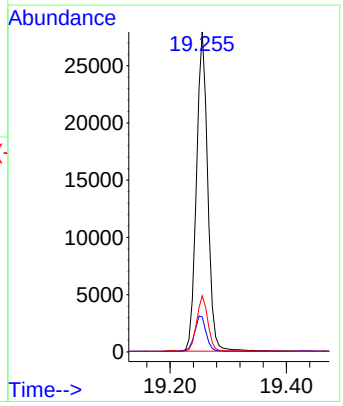




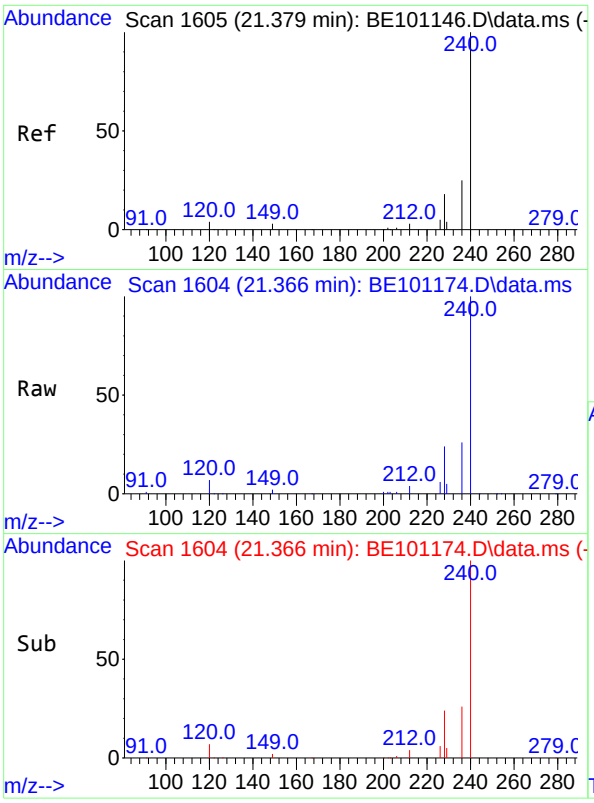
#28
Fluoranthene
Concen: 0.41 ng
RT: 19.255 min Scan# 1365
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:202 Resp: 37577

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
203	17.1	13.8	20.6



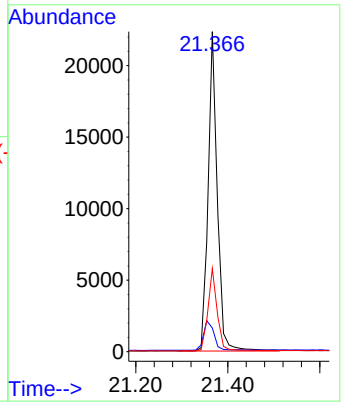
Instrument :
BNA_E
ClientSampleId :
PB135471BS

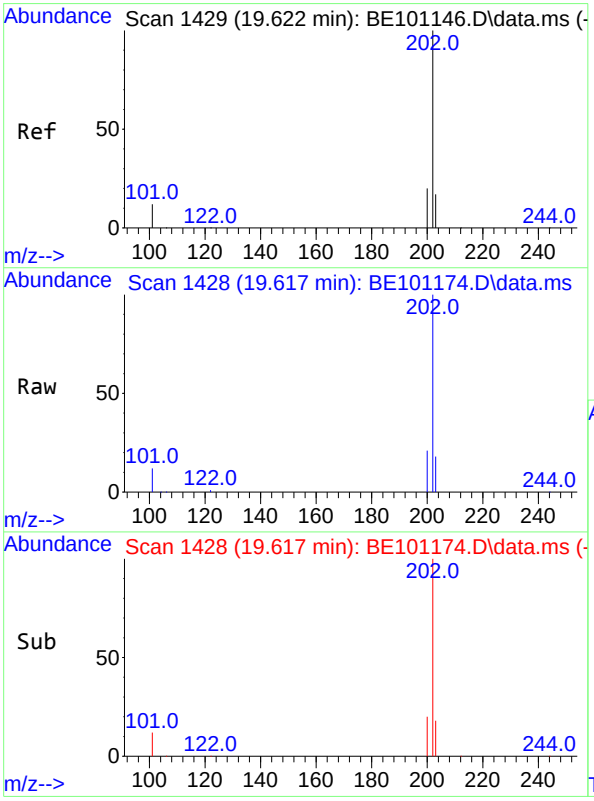


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.366 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:240 Resp: 30748

Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.1	6.1#
236	26.0	20.3	30.5

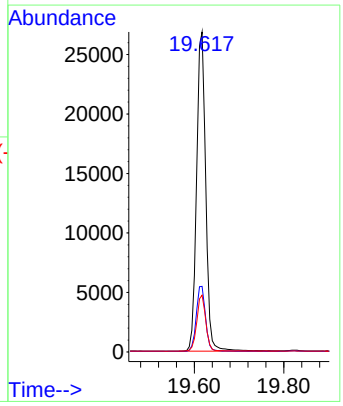




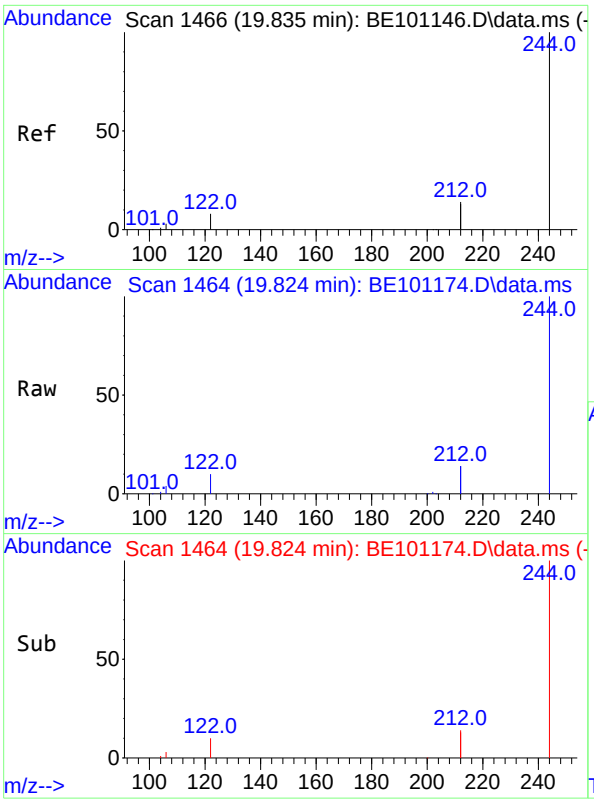
#30
Pyrene
Concen: 0.42 ng
RT: 19.617 min Scan# 1428
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:202 Resp: 38212

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.2	24.2
203	17.6	13.9	20.9



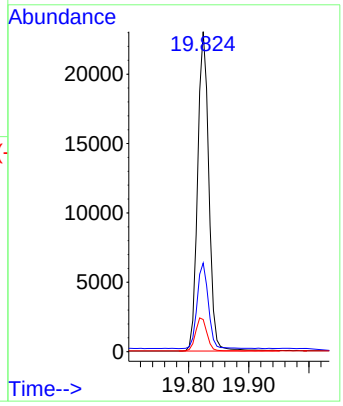
Instrument :
BNA_E
ClientSampleId :
PB135471BS

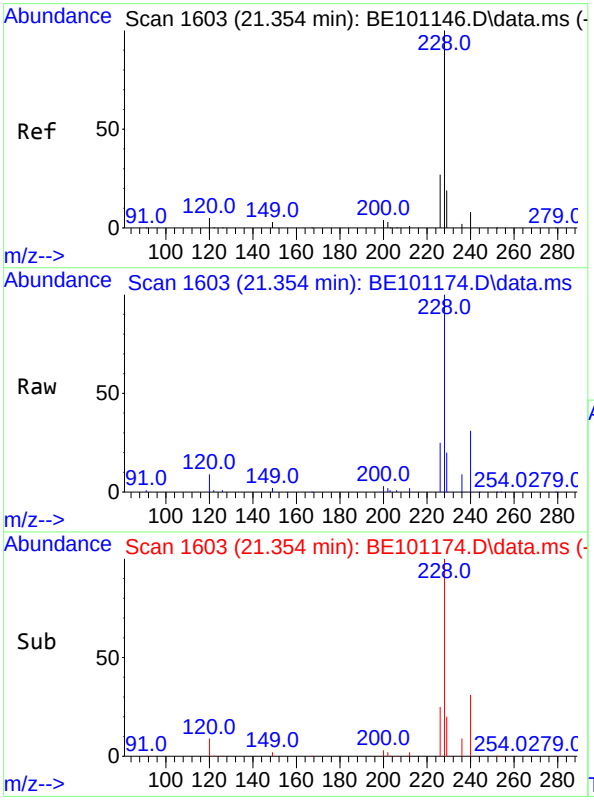


#31
Terphenyl-d14
Concen: 0.43 ng
RT: 19.824 min Scan# 1464
Delta R.T. 0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:244 Resp: 29723

Ion	Ratio	Lower	Upper
244	100		
212	27.7	21.7	32.5
122	10.0	6.6	10.0#

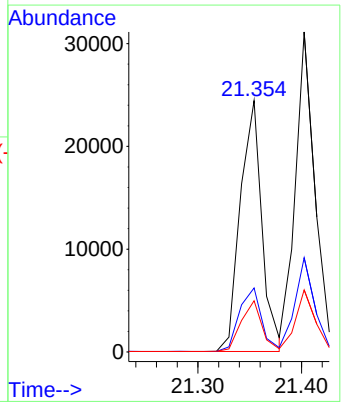




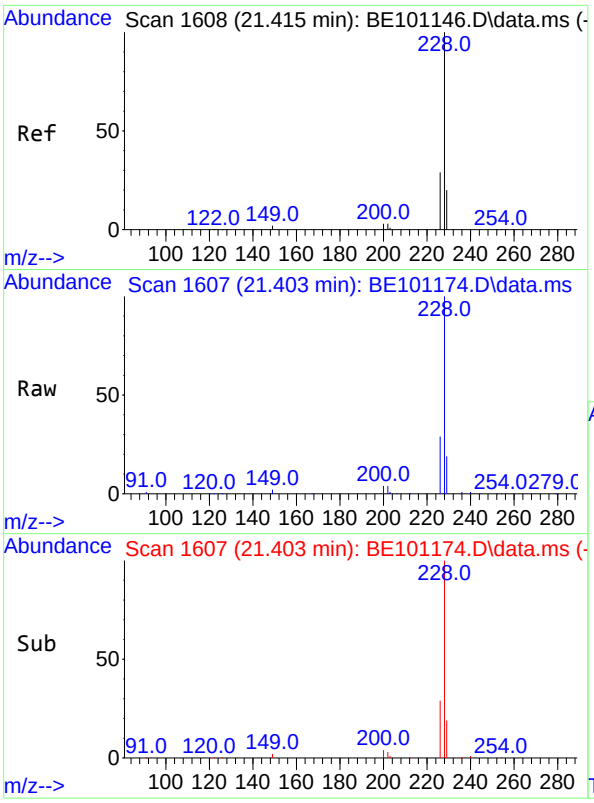
#32
Benzo(a)anthracene
Concen: 0.45 ng
RT: 21.354 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:228 Resp: 35459

Ion	Ratio	Lower	Upper
228	100		
226	25.5	21.8	32.8
229	20.4	15.4	23.0



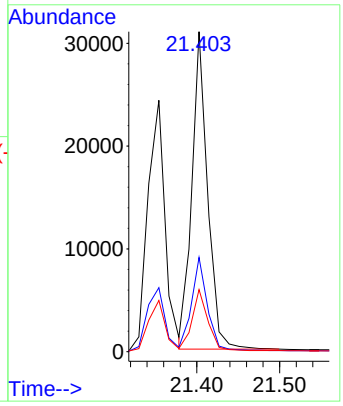
Instrument :
BNA_E
ClientSampleId :
PB135471BS

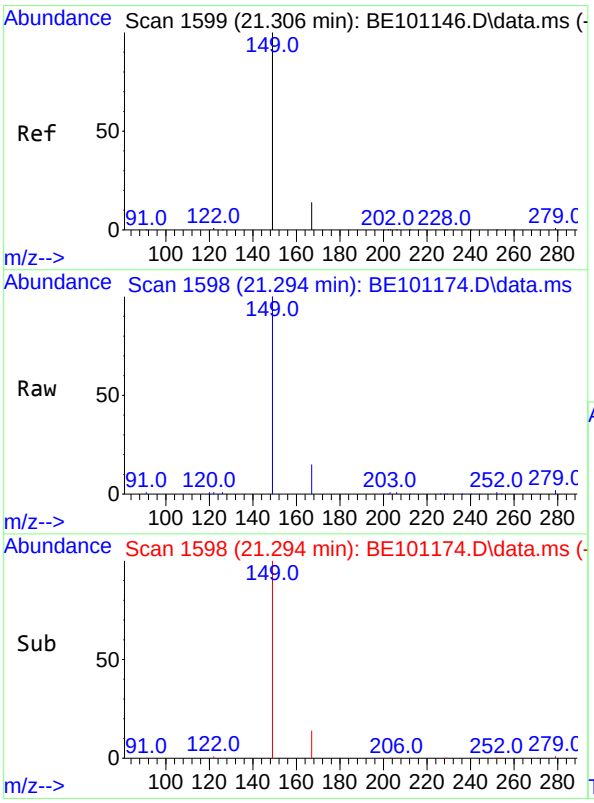


#33
Chrysene
Concen: 0.43 ng
RT: 21.403 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:228 Resp: 40758

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.8	34.2
229	19.4	16.2	24.2

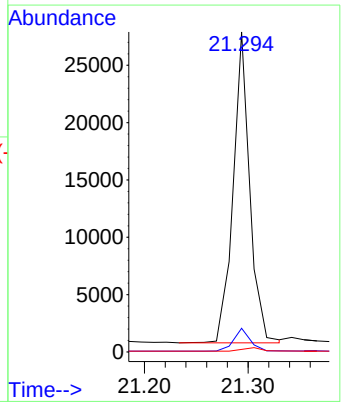




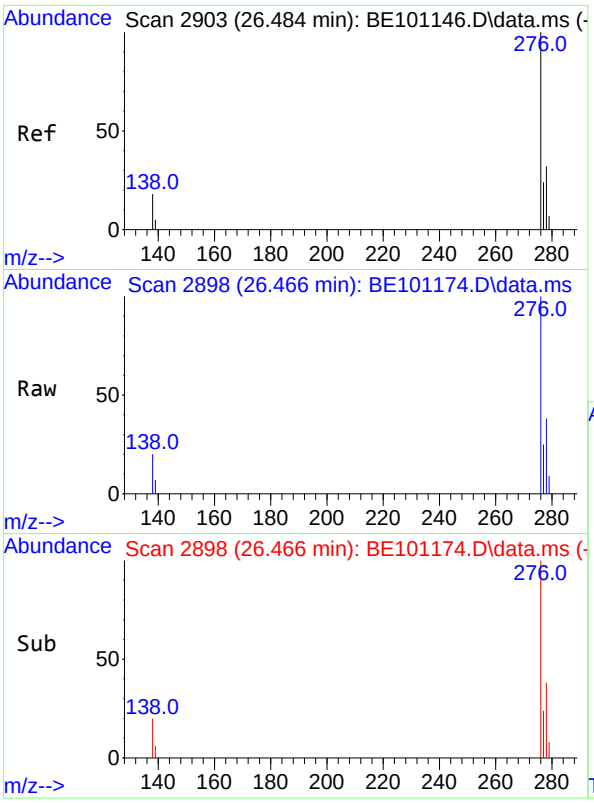
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.58 ng
RT: 21.294 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:149 Resp: 30165

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.2
279	1.4	0.9	1.3#



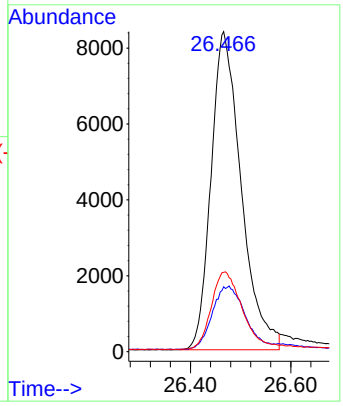
Instrument :
BNA_E
ClientSampleId :
PB135471BS

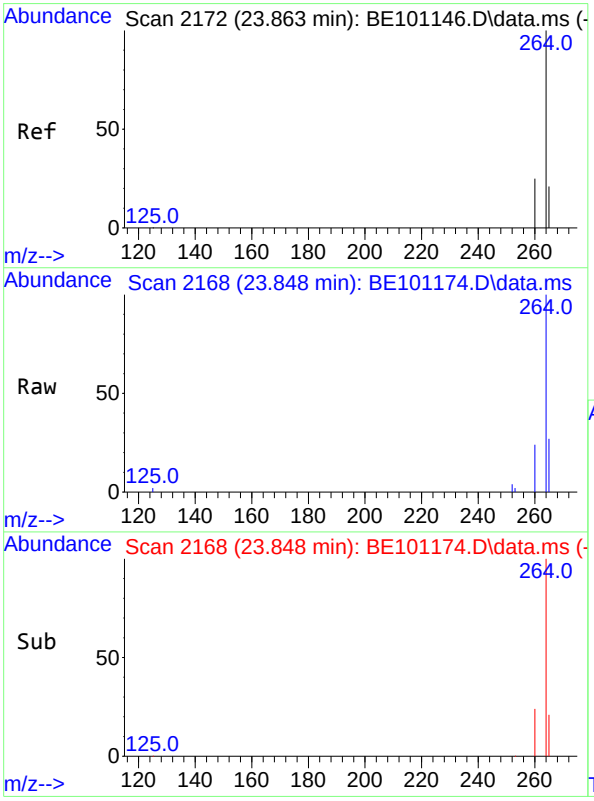


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.56 ng
RT: 26.466 min Scan# 2898
Delta R.T. -0.005 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:276 Resp: 34935

Ion	Ratio	Lower	Upper
276	100		
138	21.5	17.1	25.7
277	25.2	19.8	29.8

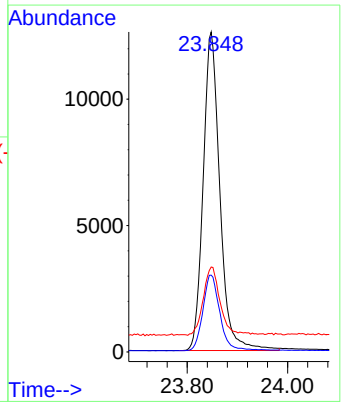




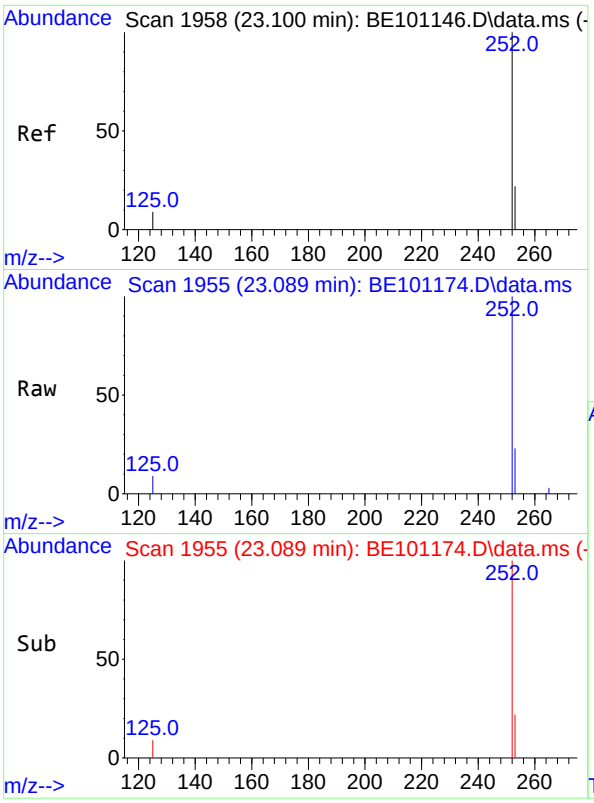
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.848 min Scan# 2168
Delta R.T. -0.004 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:264 Resp: 29108

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.5	30.7
265	26.6	20.6	30.8



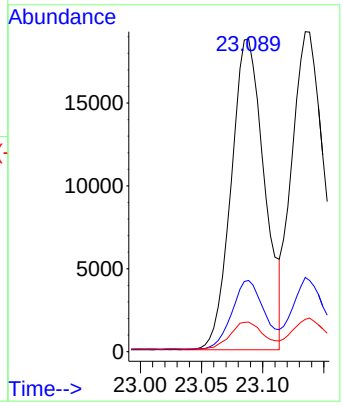
Instrument :
BNA_E
ClientSampleId :
PB135471BS

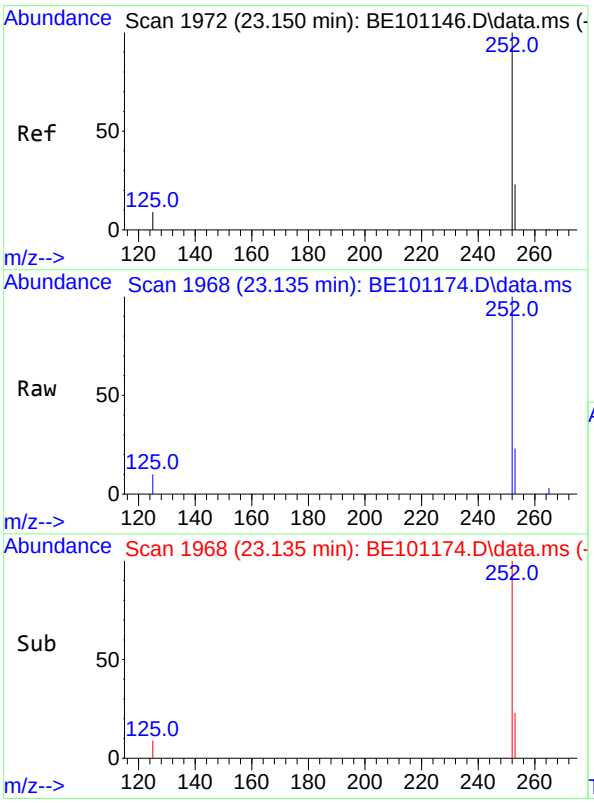


#37
Benzo(b)fluoranthene
Concen: 0.46 ng
RT: 23.089 min Scan# 1955
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:252 Resp: 35450

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	9.5	7.5	11.3

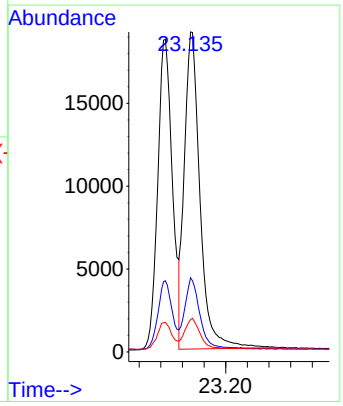




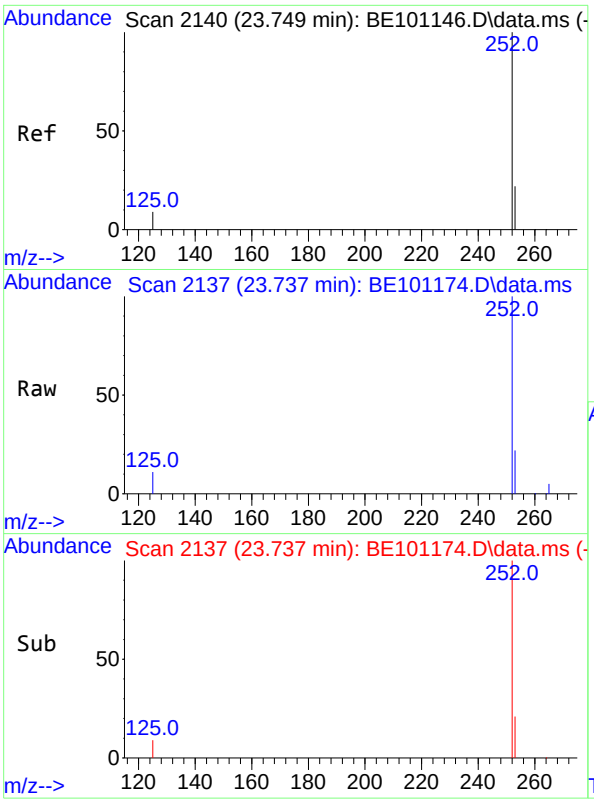
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.135 min Scan# 1968
Delta R.T. -0.004 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:252 Resp: 38375

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	10.1	7.5	11.3



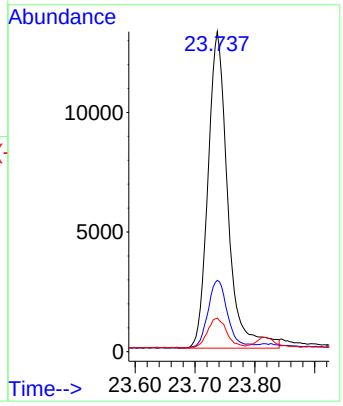
Instrument :
BNA_E
ClientSampleId :
PB135471BS

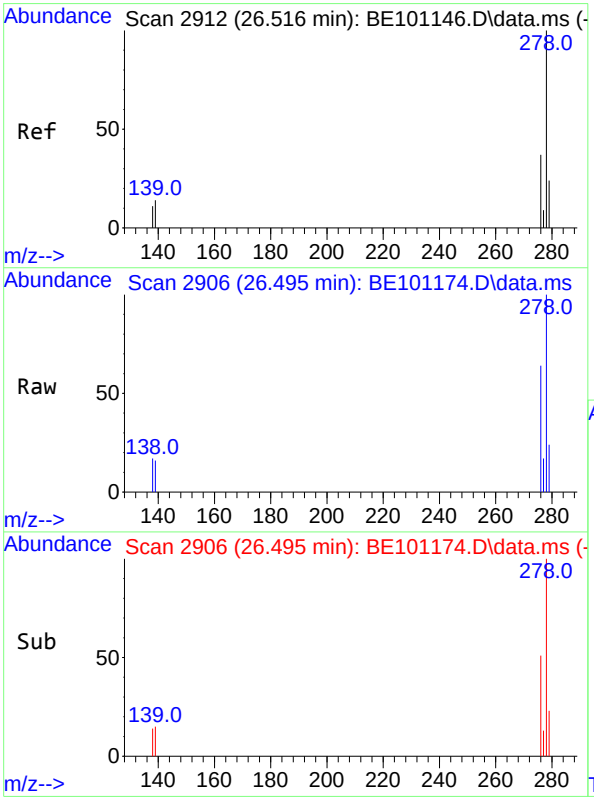


#39
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.737 min Scan# 2137
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:252 Resp: 30391

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.6	28.0
125	10.5	8.3	12.5

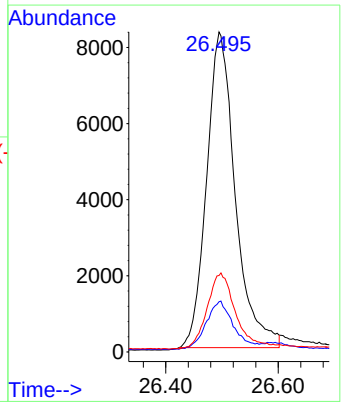


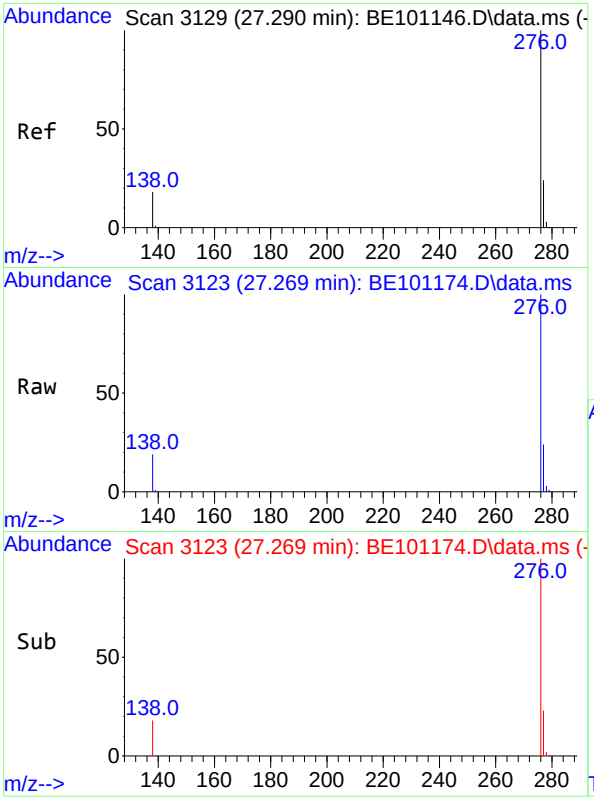


#40
Dibenzo(a,h)anthracene
Concen: 0.50 ng
RT: 26.495 min Scan# 2906
Delta R.T. -0.005 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:278 Resp: 29370

Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.0	18.0
279	23.9	20.2	30.4

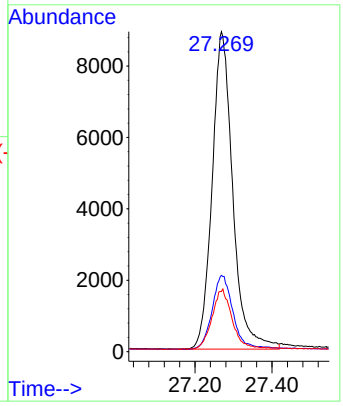




#41
Benzo(g,h,i)perylene
Concen: 0.45 ng
RT: 27.269 min Scan# 3123
Delta R.T. -0.001 min
Lab File: BE101174.D
Acq: 1 Apr 2021 13:03

Tgt Ion:276 Resp: 33050

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.7	29.5
138	18.8	15.3	22.9



Instrument :
BNA_E
ClientSampleId :
PB135471BS