Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016677.D
Acq On : 02 Oct 2021 18:57
Operator : CG/JU
Sample : PB139503BS
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139503BS

Quant Time: Oct 04 03:35:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	33447	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	146147	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	76058	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	143807	0.40	ng	#-0.01
29) Chrysene-d12	21.227	240	137626	0.40	ng	#-0.01
35) Perylene-d12	23.485	264	140252	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.264	112	30380	0.36	ng	0.00
5) Phenol-d6	6.822	99	32920	0.35	ng	0.00
8) Nitrobenzene-d5	8.784	82	30917	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	80399	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11203	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	113897	0.37	ng	-0.01
27) Fluoranthene-d10	19.063	212	142948	0.37	ng	0.00
31) Terphenyl-d14	19.679	244	117931	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.253	88	4431	0.29	ng	# 88
3) n-Nitrosodimethylamine	3.595	42	9179	0.37	ng	97
6) bis(2-Chloroethyl)ether	7.080	93	34630	0.38	ng	100
9) Naphthalene	10.457	128	146398	0.37	ng	100
10) Hexachlorobutadiene	10.749	225	28125	0.38	ng	# 99
12) 2-Methylnaphthalene	12.078	142	95080	0.37	ng	99
16) Acenaphthylene	13.990	152	116099	0.35	ng	100
17) Acenaphthene	14.332	154	83112	0.37	ng	100
18) Fluorene	15.322	166	99298	0.37	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	1932	0.24	ng	100
21) 4-Bromophenyl-phenylether	16.227	248	31355	0.35	ng	# 93
22) Hexachlorobenzene	16.324	284	38021	0.37	ng	99
23) Atrazine	16.494	200	19400	0.30	ng	# 89
24) Pentachlorophenol	16.677	266	10323	0.30	ng	100
25) Phenanthrene	17.066	178	159764	0.37	ng	100
26) Anthracene	17.151	178	128440	0.34	ng	100
28) Fluoranthene	19.093	202	179530	0.38	ng	100
30) Pyrene	19.460	202	179328	0.40	ng	100
32) Benzo(a)anthracene	21.217	228	160886	0.38	ng	99
33) Chrysene	21.270	228	173320	0.41	ng	99
34) Bis(2-ethylhexyl)phtha...	21.164	149	50962	0.30	ng	99
36) Indeno(1,2,3-cd)pyrene	25.764	276	174290	0.35	ng	100
37) Benzo(b)fluoranthene	22.807	252	162864	0.36	ng	99
38) Benzo(k)fluoranthene	22.851	252	169333	0.38	ng	99
39) Benzo(a)pyrene	23.385	252	151862	0.38	ng	99
40) Dibenzo(a,h)anthracene	25.785	278	134991	0.33	ng	99
41) Benzo(g,h,i)perylene	26.456	276	155598	0.35	ng	99

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

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Instrument :
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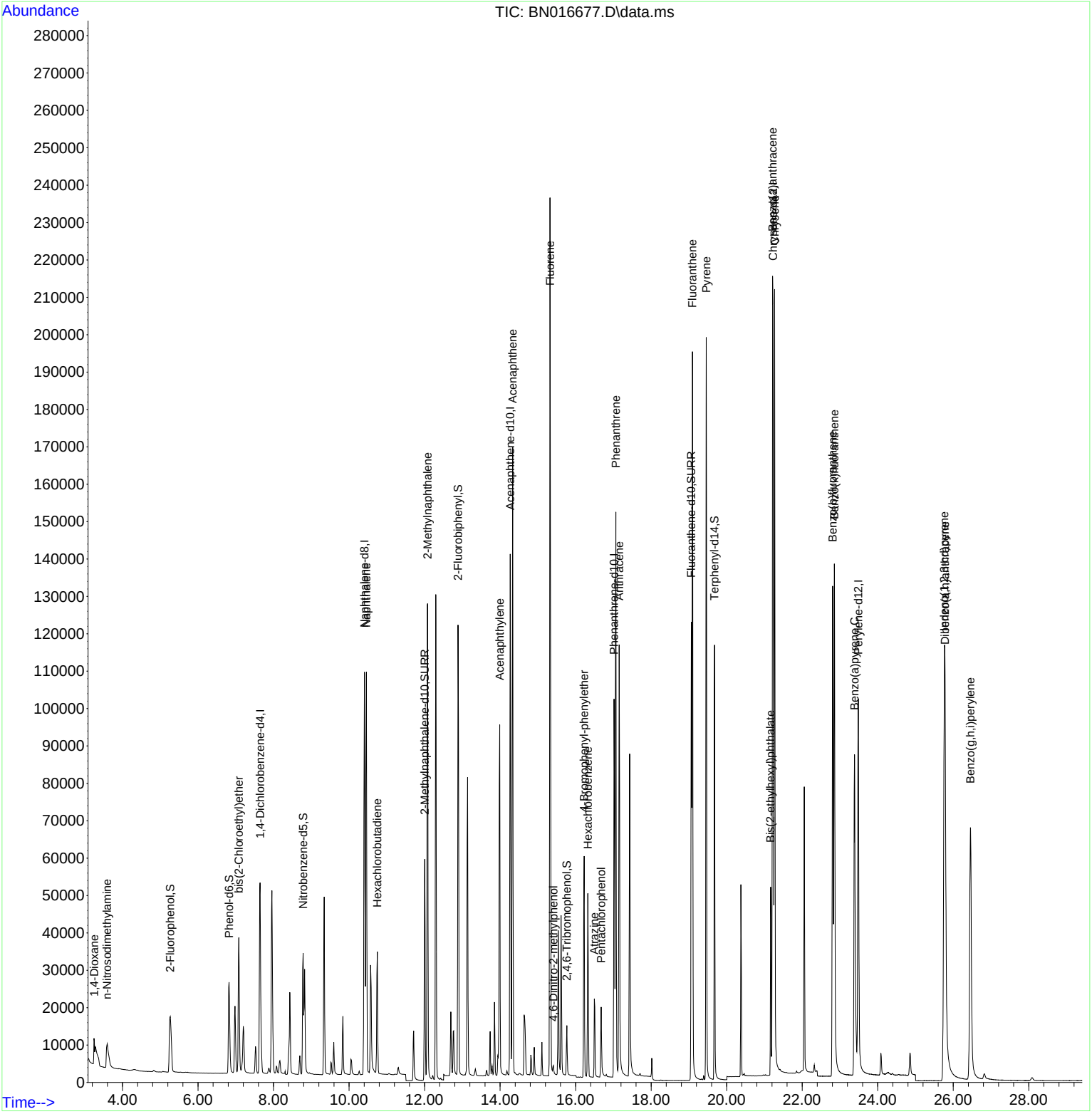
Quant Time: Oct 04 03:35:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration



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BNA_N
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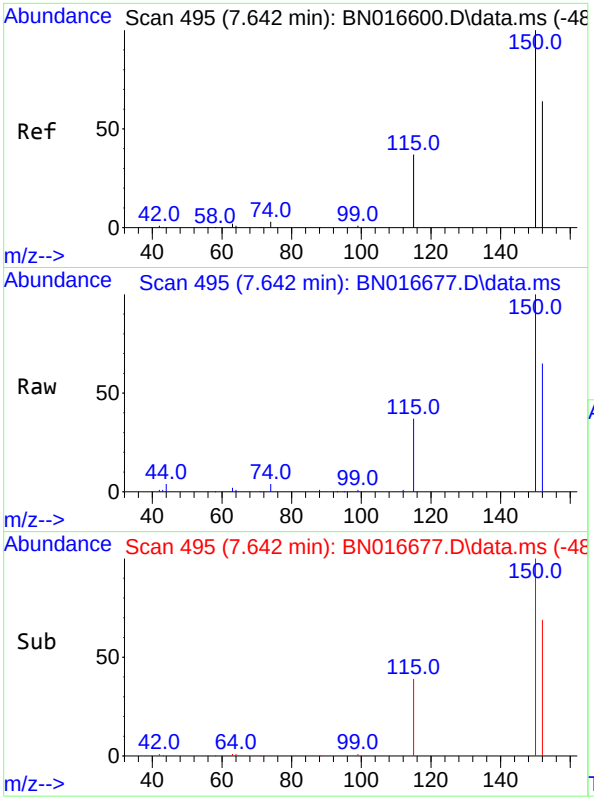
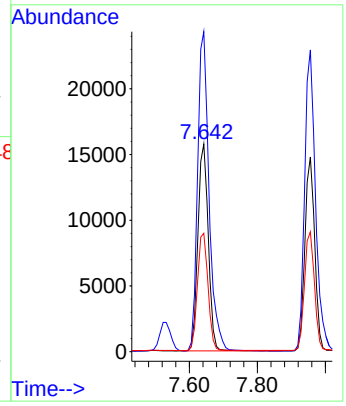
PB139503BS

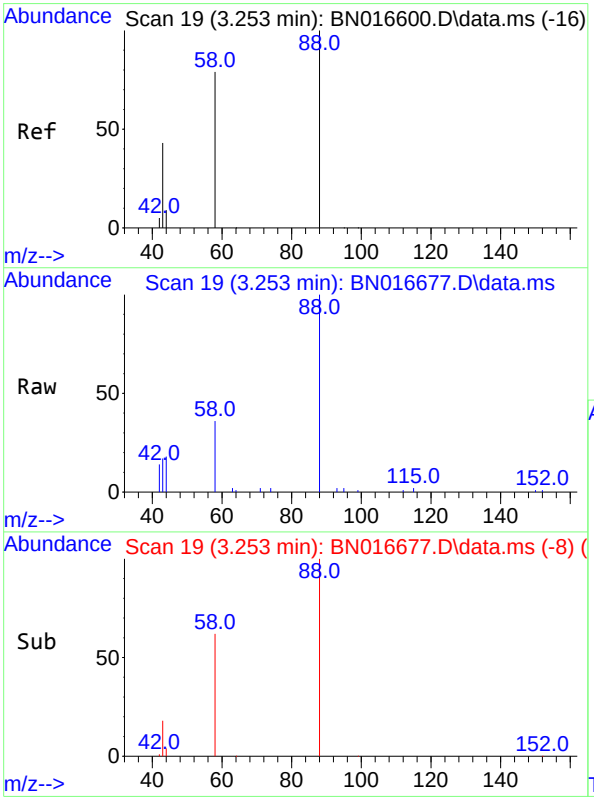


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:152 Resp: 33447

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	57.0	46.5	69.7

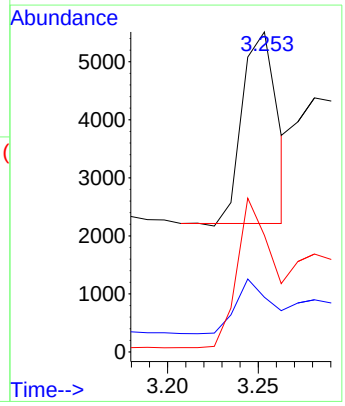




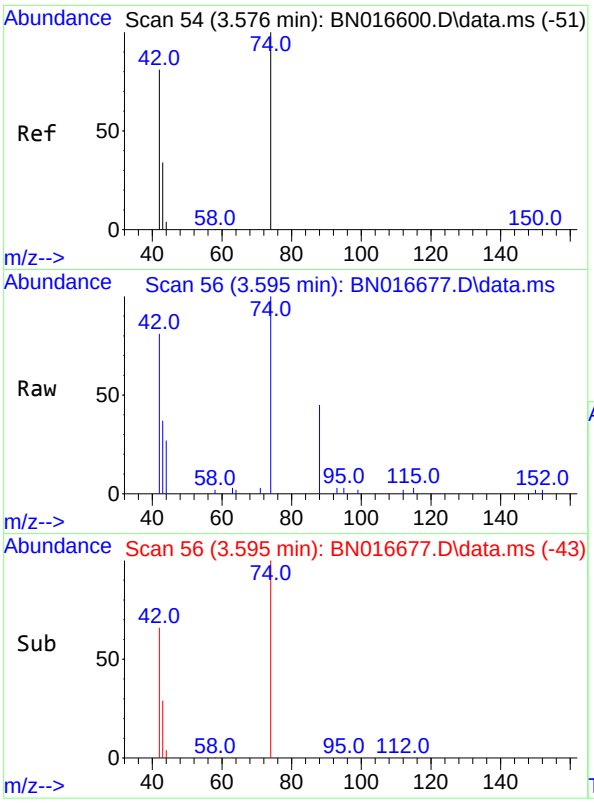
#2
1,4-Dioxane
Concen: 0.29 ng
RT: 3.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion: 88 Resp: 4431

Ion	Ratio	Lower	Upper
88	100		
43	28.7	37.8	56.8#
58	79.0	61.3	91.9



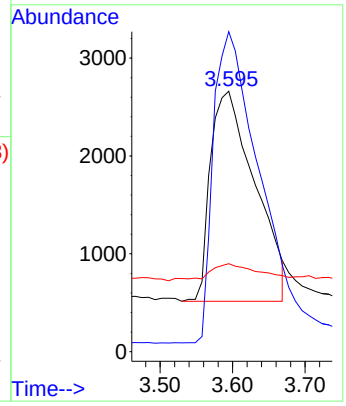
Instrument :
BNA_N
ClientSampleId :
PB139503BS

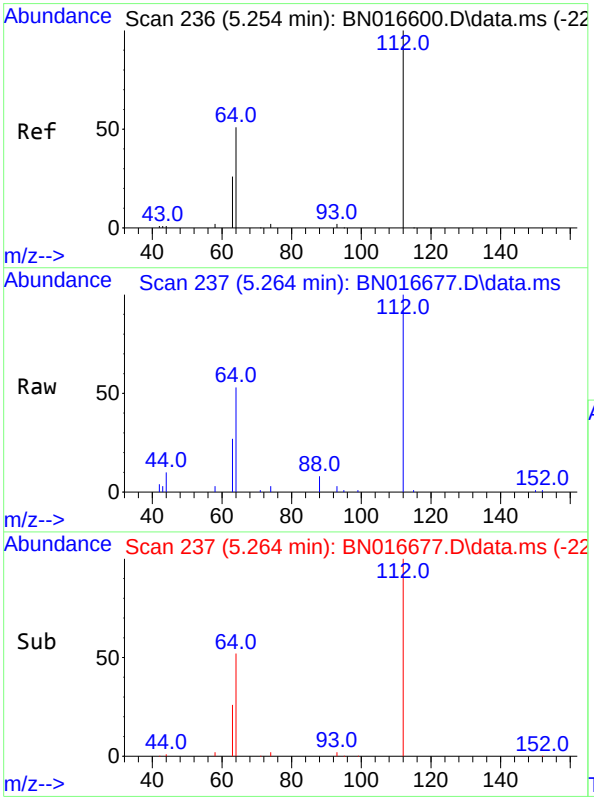


#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.595 min Scan# 56
Delta R.T. 0.019 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion: 42 Resp: 9179

Ion	Ratio	Lower	Upper
42	100		
74	147.6	121.6	182.4
44	7.1	6.3	9.5

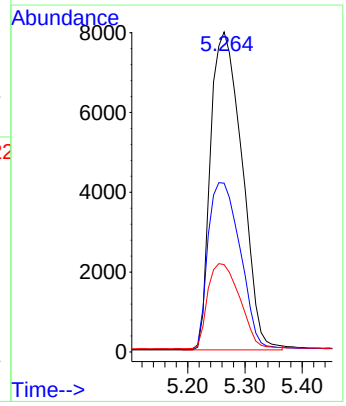




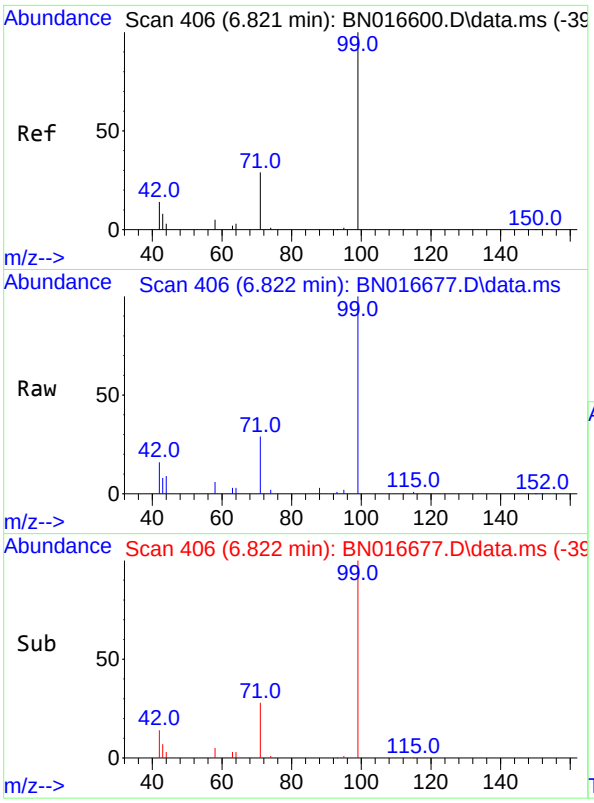
#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.264 min Scan# 237
Delta R.T. 0.010 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:112 Resp: 30380

Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.1	64.7
63	27.2	21.6	32.4



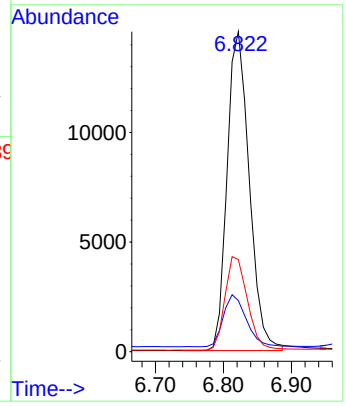
Instrument :
BNA_N
ClientSampleId :
PB139503BS

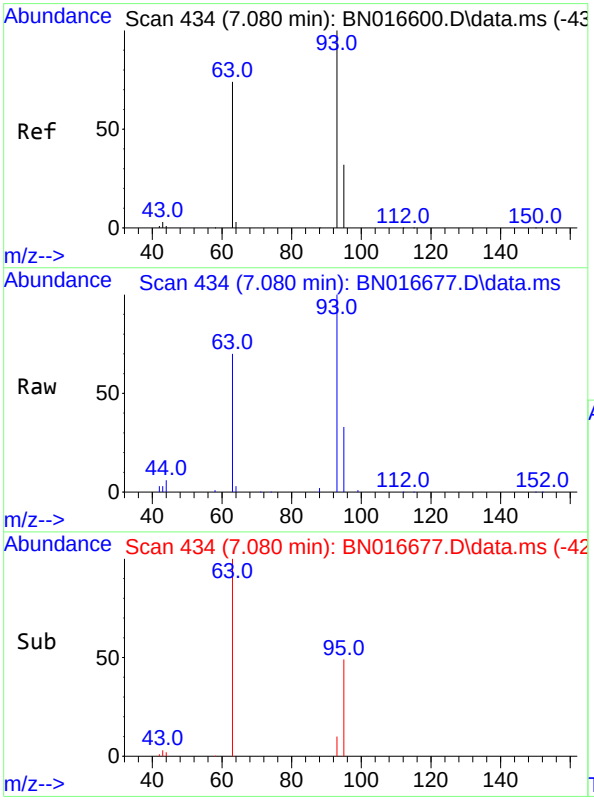


#5
Phenol-d6
Concen: 0.35 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion: 99 Resp: 32920

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.0	19.6
71	29.7	23.5	35.3

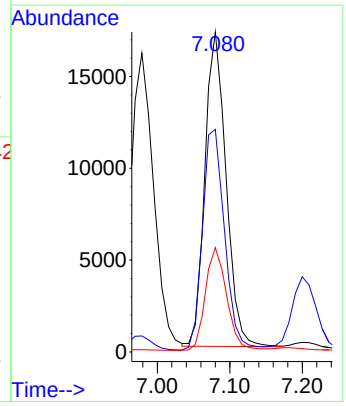




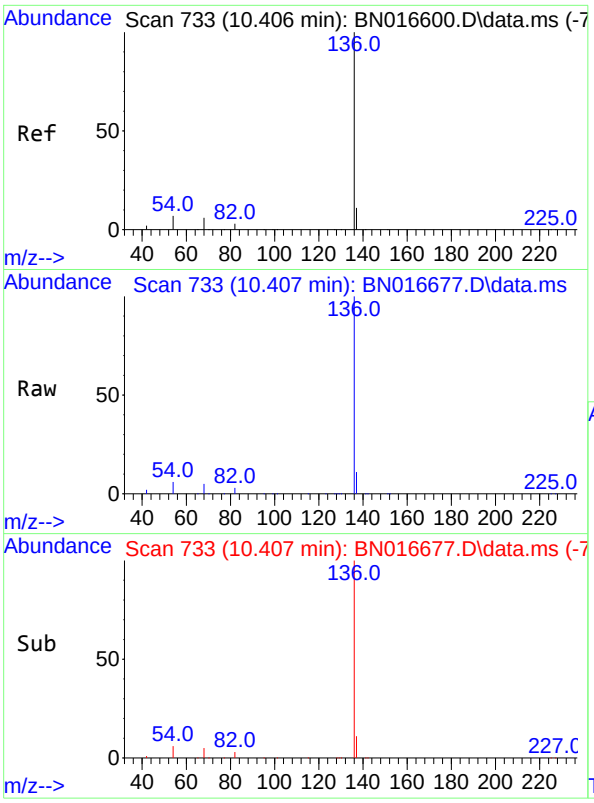
#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion: 93 Resp: 34630

Ion	Ratio	Lower	Upper
93	100		
63	73.6	59.1	88.7
95	33.0	26.2	39.4



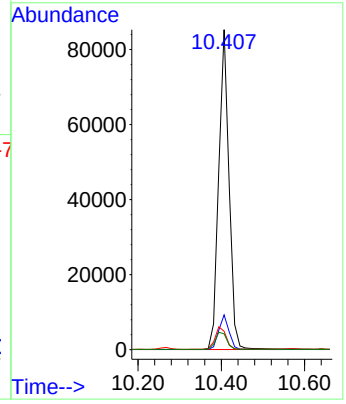
Instrument :
BNA_N
ClientSampleId :
PB139503BS

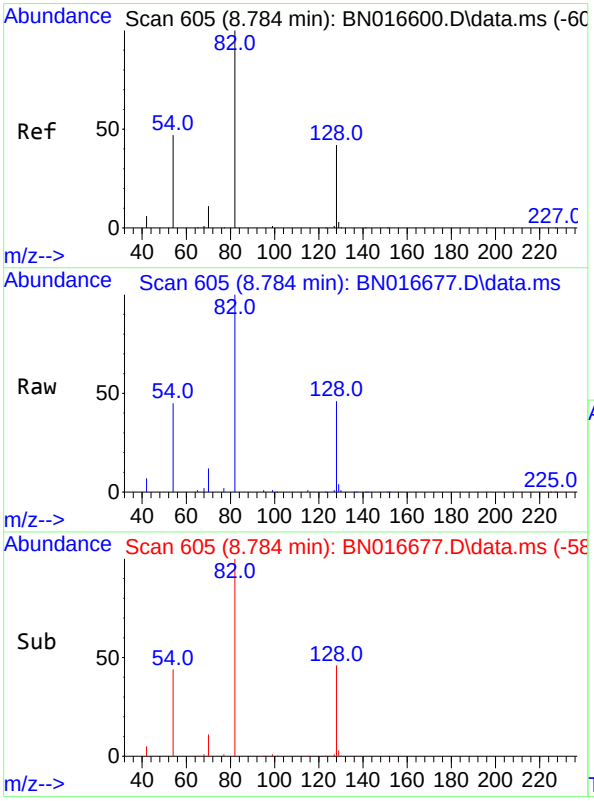


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:136 Resp: 146147

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	5.8	5.9	8.9#
68	5.0	5.0	7.6#

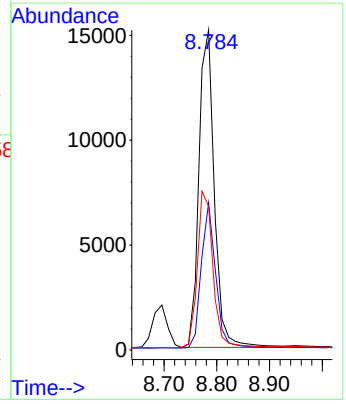




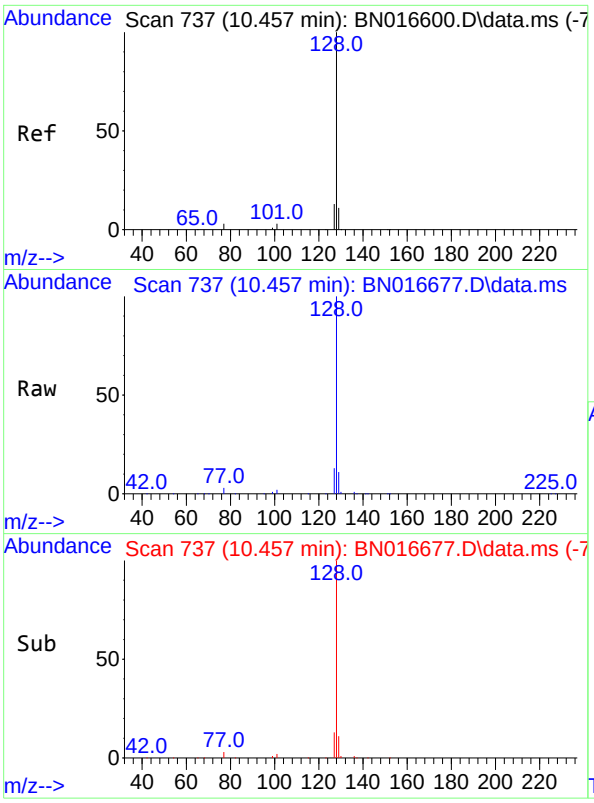
#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion: 82 Resp: 30917

Ion	Ratio	Lower	Upper
82	100		
128	46.0	33.6	50.4
54	44.8	37.6	56.4



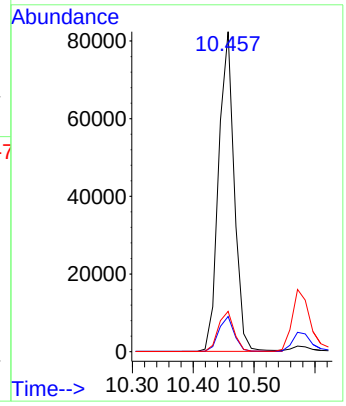
Instrument :
BNA_N
ClientSampleId :
PB139503BS

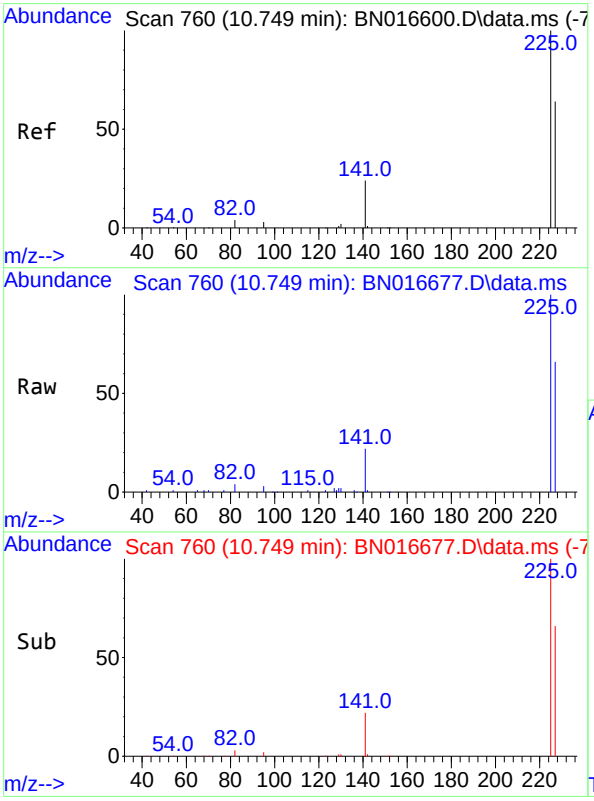


#9
Naphthalene
Concen: 0.37 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:128 Resp: 146398

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.3	15.5

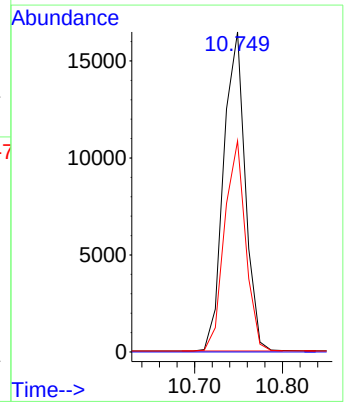




#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:225 Resp: 28125

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.0	76.6



Instrument :
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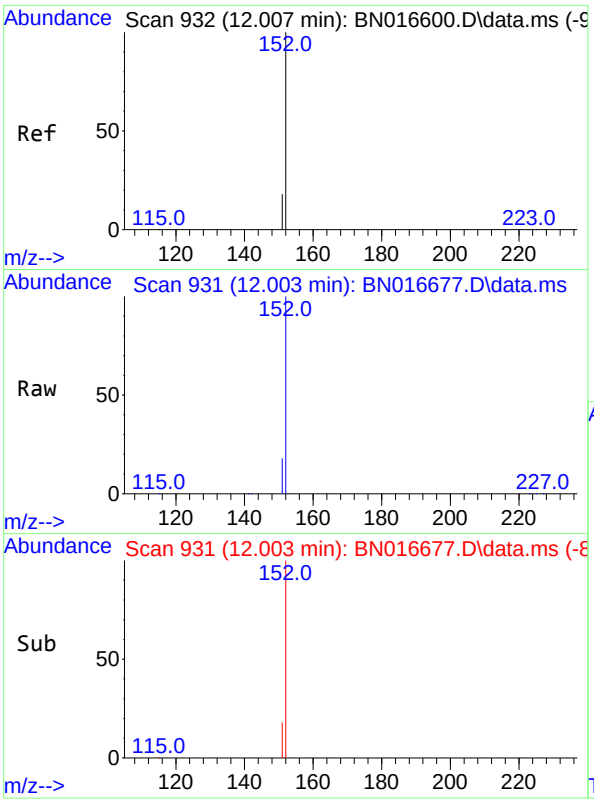
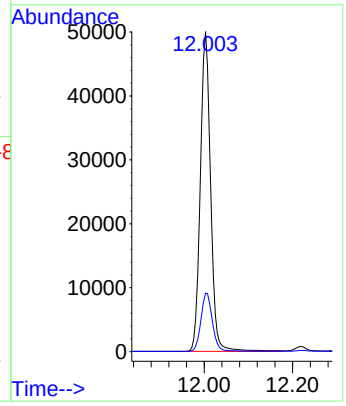
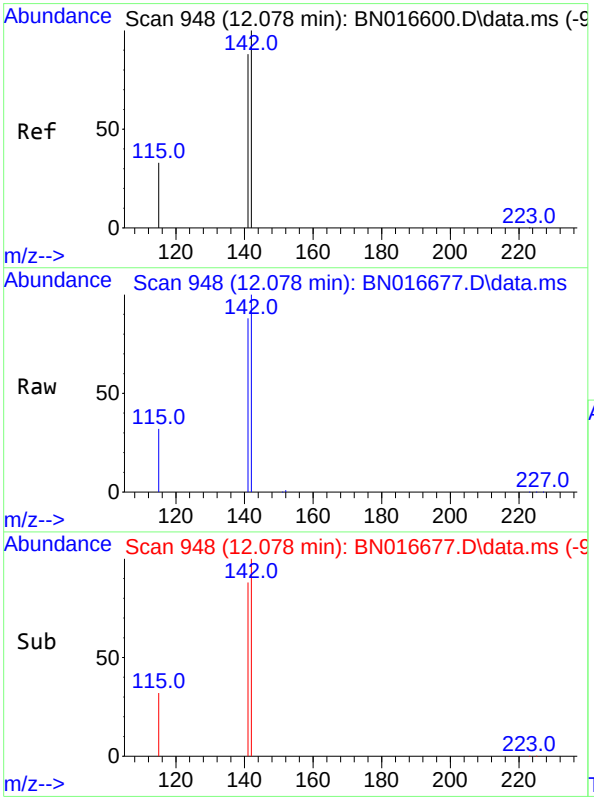


#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:152 Resp: 80399

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

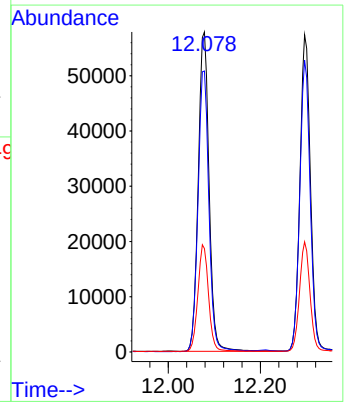




#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:142 Resp: 95080

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	105.8
115	32.3	26.6	39.8



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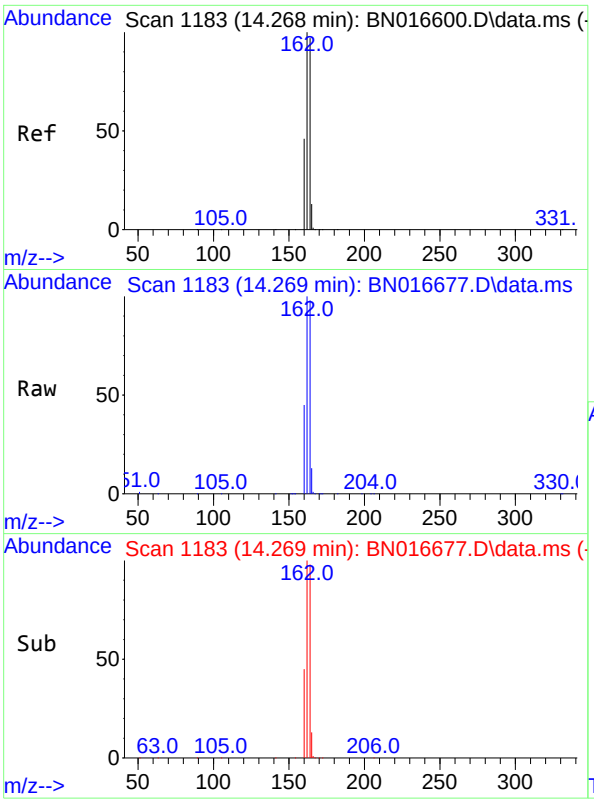
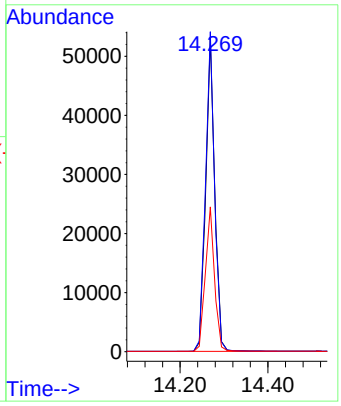
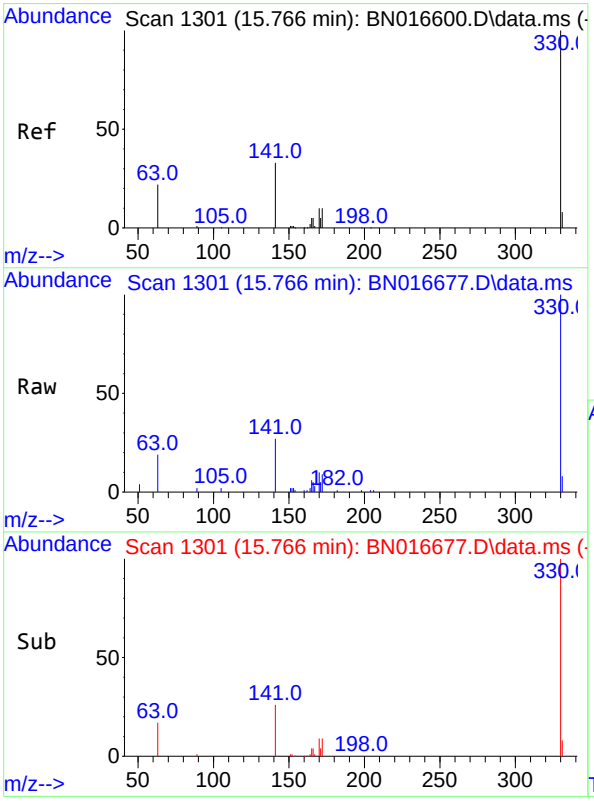


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:164 Resp: 76058

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	46.1	37.7	56.5

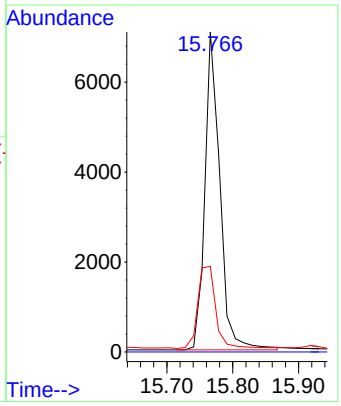




#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:330 Resp: 11203

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.9	25.2	37.8



Instrument :
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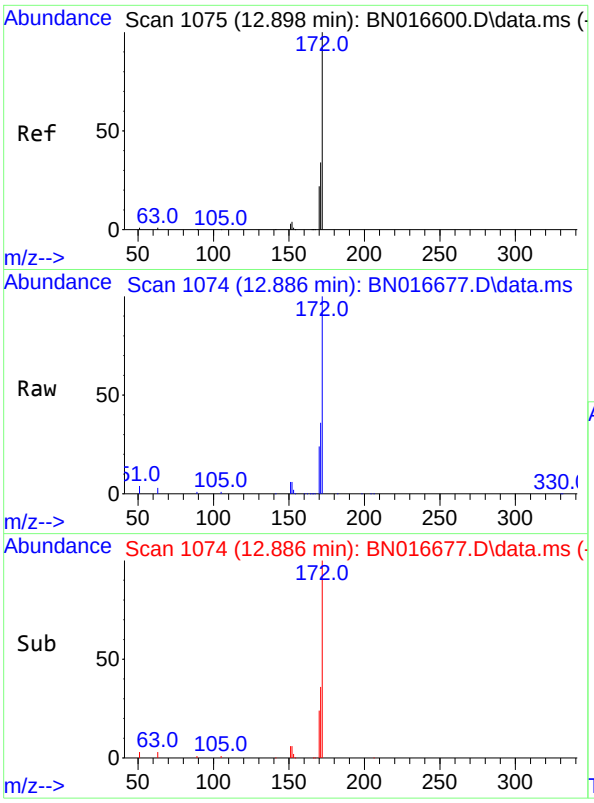
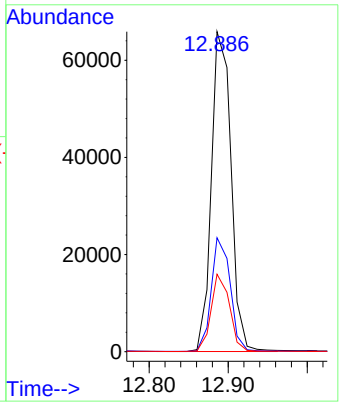
PB139503BS

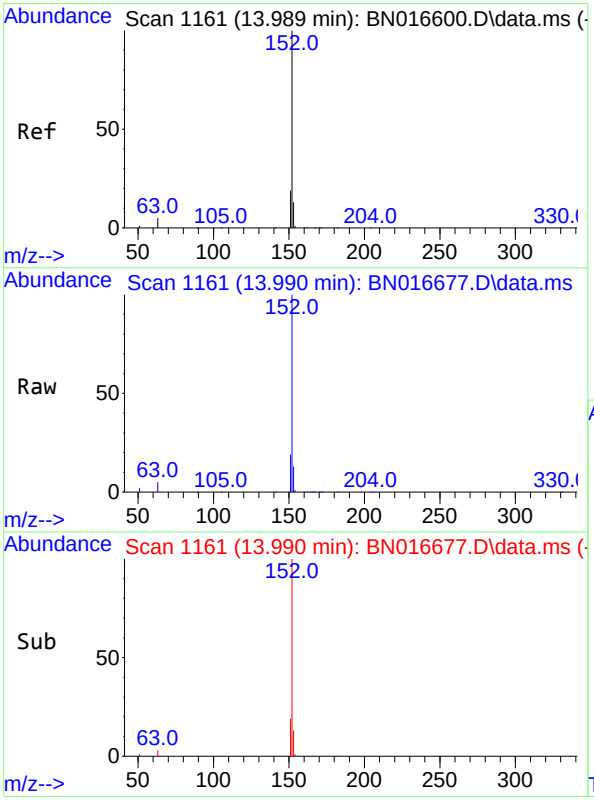


#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:172 Resp: 113897

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.0	40.4
170	24.2	17.4	26.2

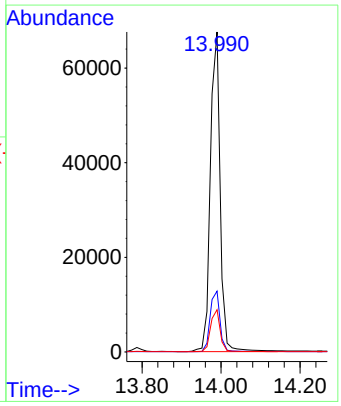




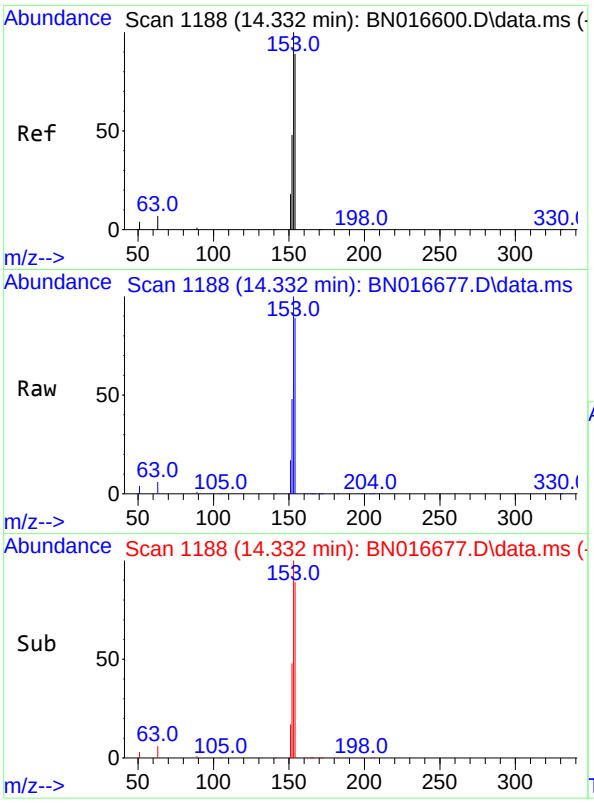
#16
Acenaphthylene
Concen: 0.35 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:152 Resp: 116099

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.0	10.4	15.6



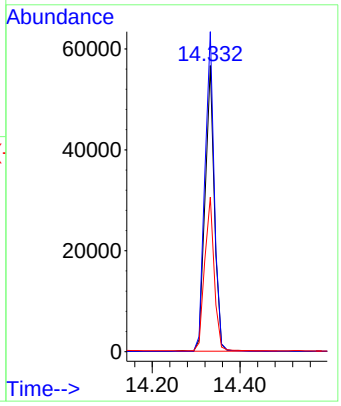
Instrument :
BNA_N
ClientSampleId :
PB139503BS

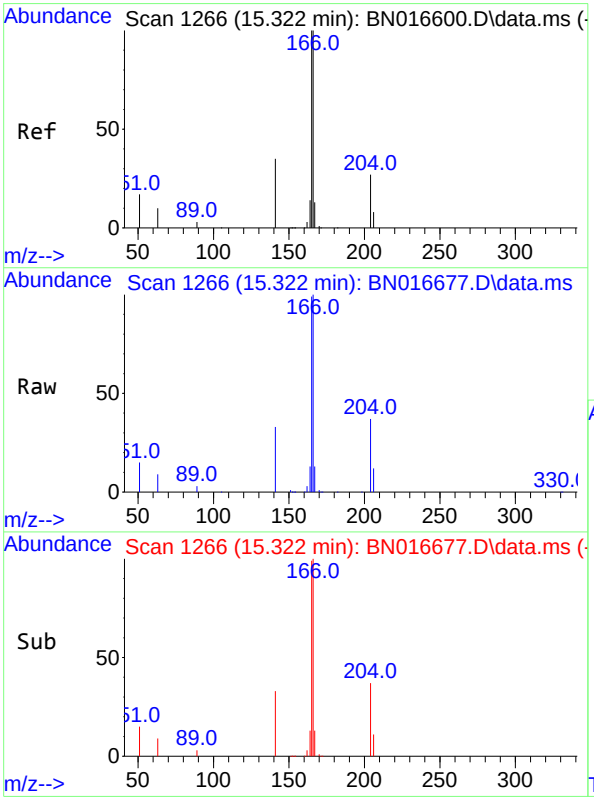


#17
Acenaphthene
Concen: 0.37 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:154 Resp: 83112

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.2	135.2
152	55.3	44.0	66.0

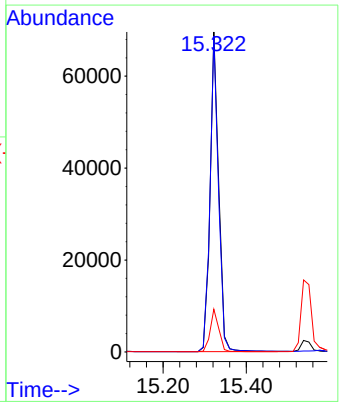




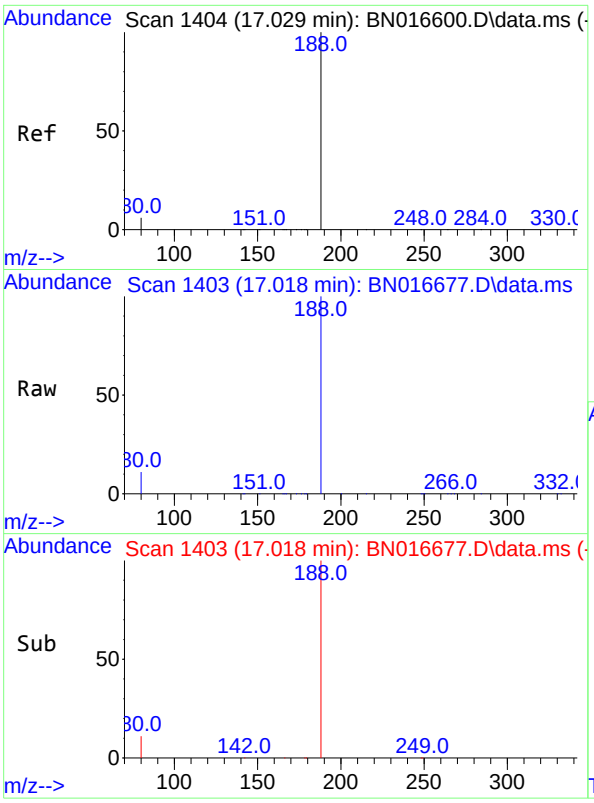
#18
Fluorene
Concen: 0.37 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:166 Resp: 99298

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	13.5	10.7	16.1



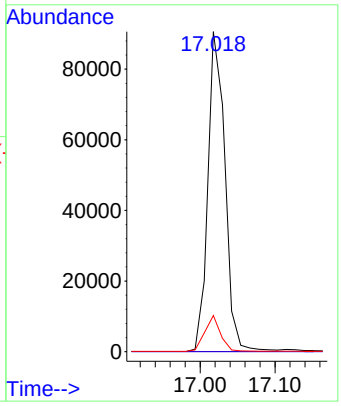
Instrument :
BNA_N
ClientSampleId :
PB139503BS

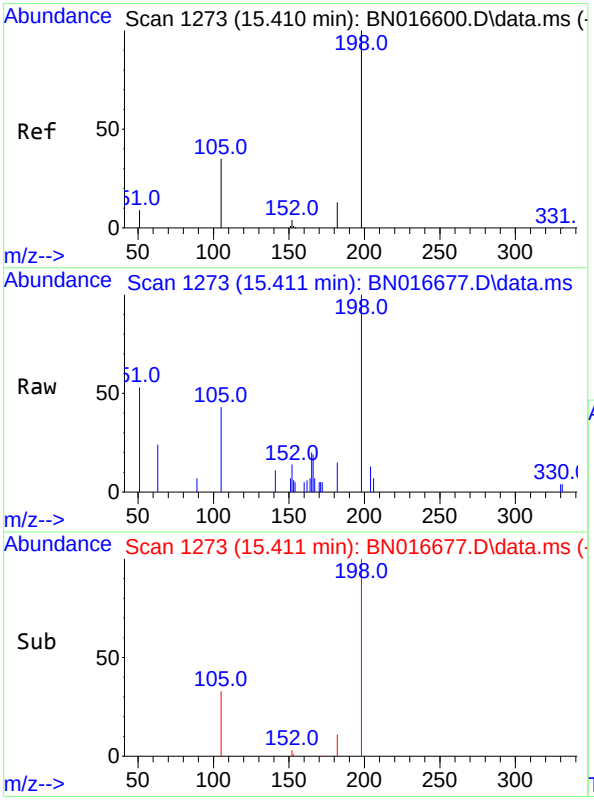


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:188 Resp: 143807

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	5.0	7.6#

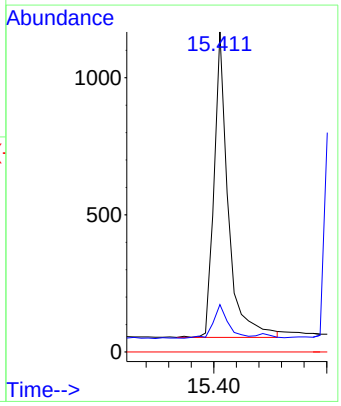




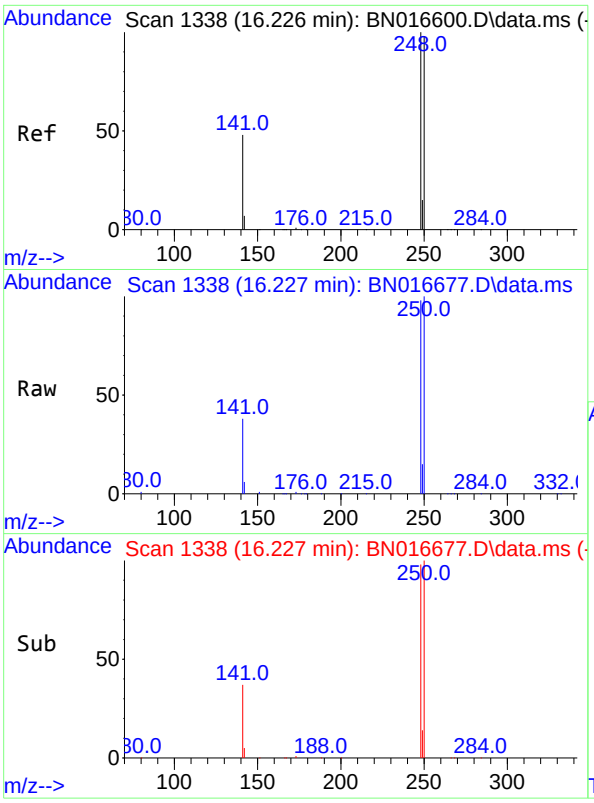
#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.411 min Scan# 1273
Delta R.T. 0.001 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:198 Resp: 1932

Ion	Ratio	Lower	Upper
198	100		
182	14.8	11.8	17.8
77	0.0	0.0	0.0



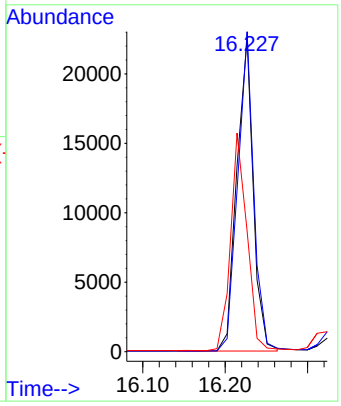
Instrument :
BNA_N
ClientSampleId :
PB139503BS

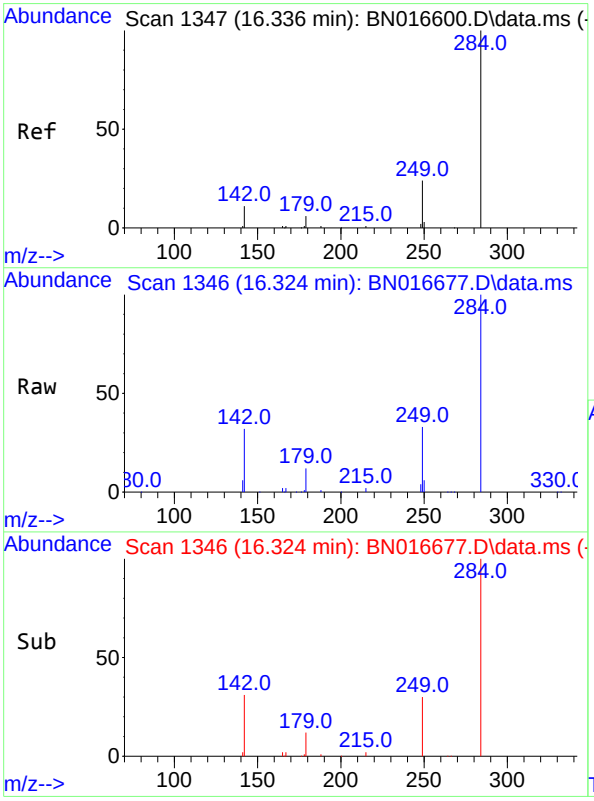


#21
4-Bromophenyl-phenylether
Concen: 0.35 ng
RT: 16.227 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:248 Resp: 31355

Ion	Ratio	Lower	Upper
248	100		
250	102.0	78.6	117.8
141	38.4	38.6	57.8#

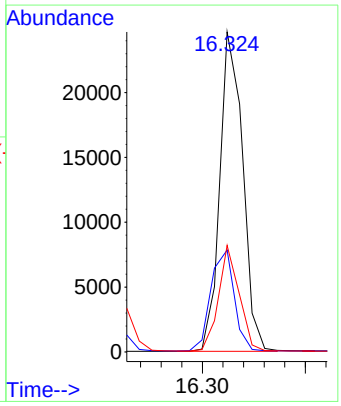




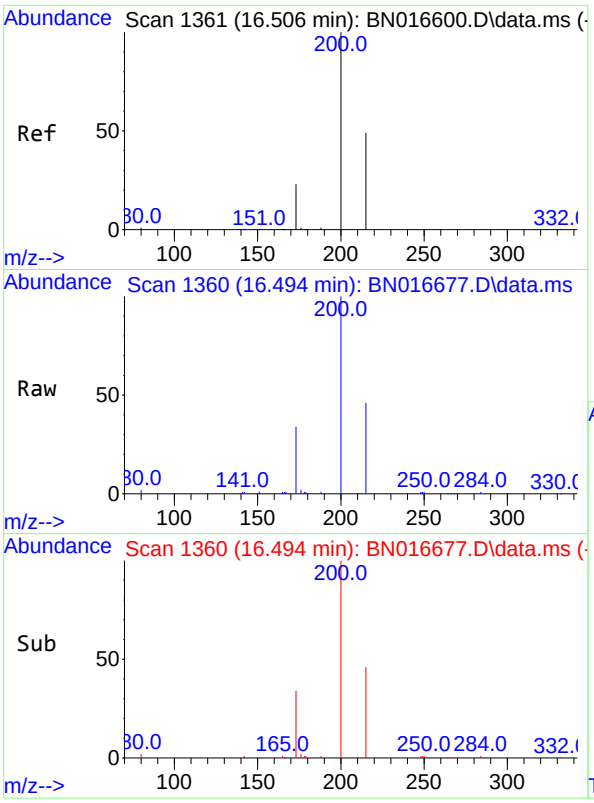
#22
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.324 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:284 Resp: 38021

Ion	Ratio	Lower	Upper
284	100		
142	32.3	26.4	39.6
249	29.6	23.4	35.2



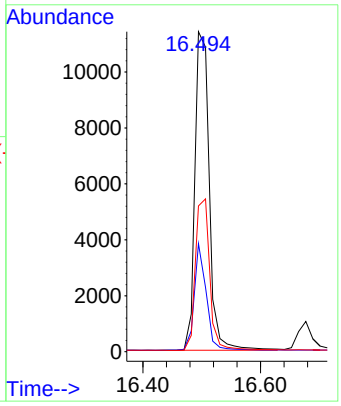
Instrument :
BNA_N
ClientSampleId :
PB139503BS

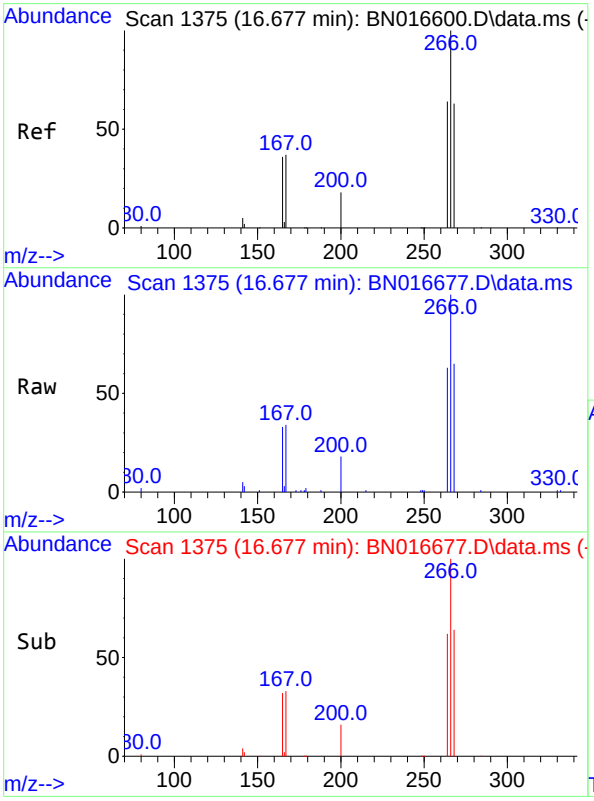


#23
Atrazine
Concen: 0.30 ng
RT: 16.494 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:200 Resp: 19400

Ion	Ratio	Lower	Upper
200	100		
173	33.7	18.6	27.8#
215	45.6	39.4	59.2

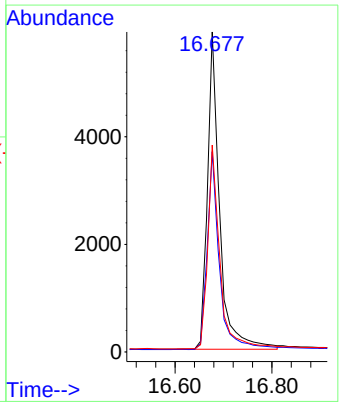




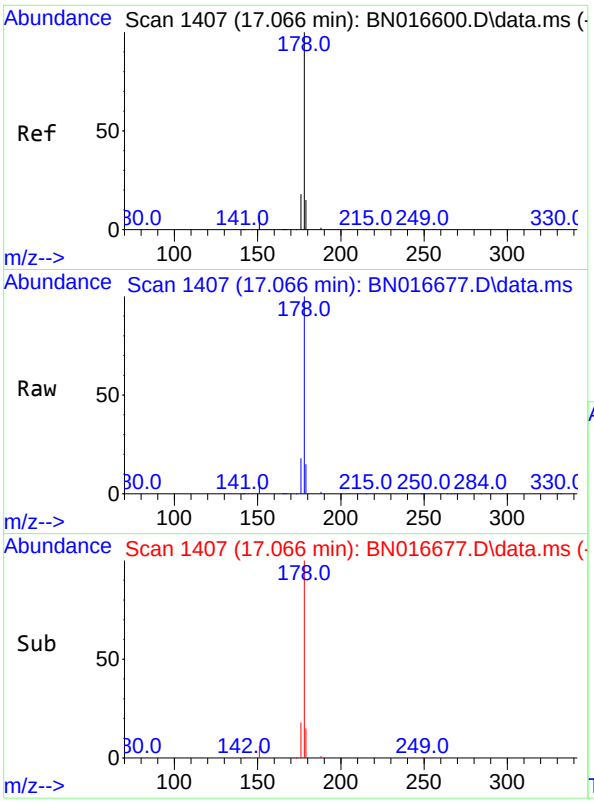
#24
Pentachlorophenol
Concen: 0.30 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:266 Resp: 10323

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.8	74.6
268	64.2	51.4	77.2



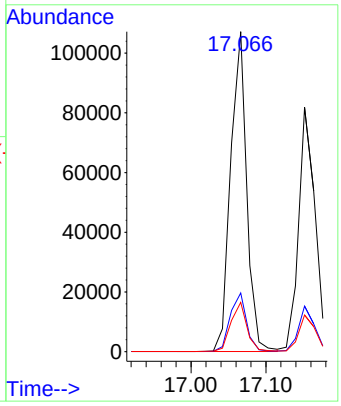
Instrument :
BNA_N
ClientSampleId :
PB139503BS

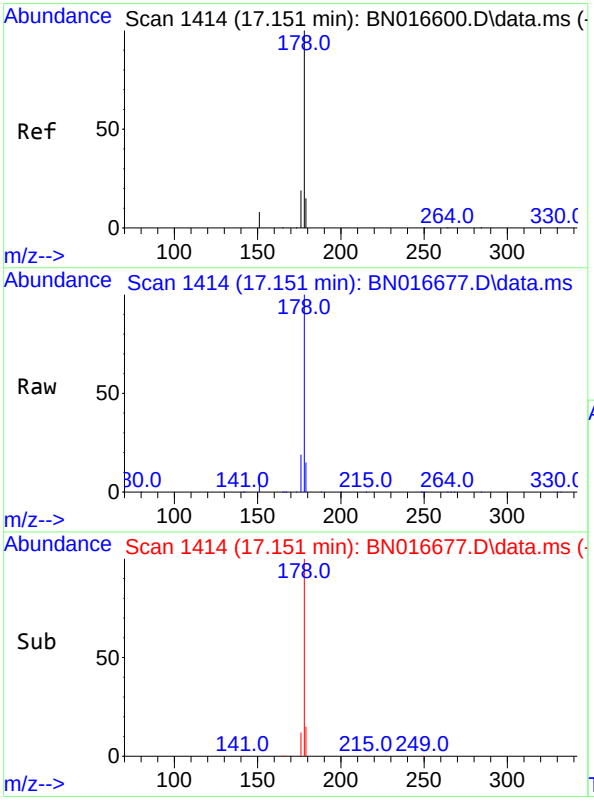


#25
Phenanthrene
Concen: 0.37 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:178 Resp: 159764

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.2	18.4

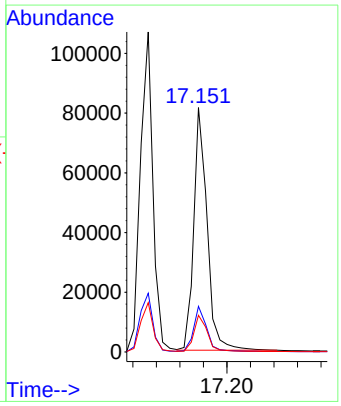




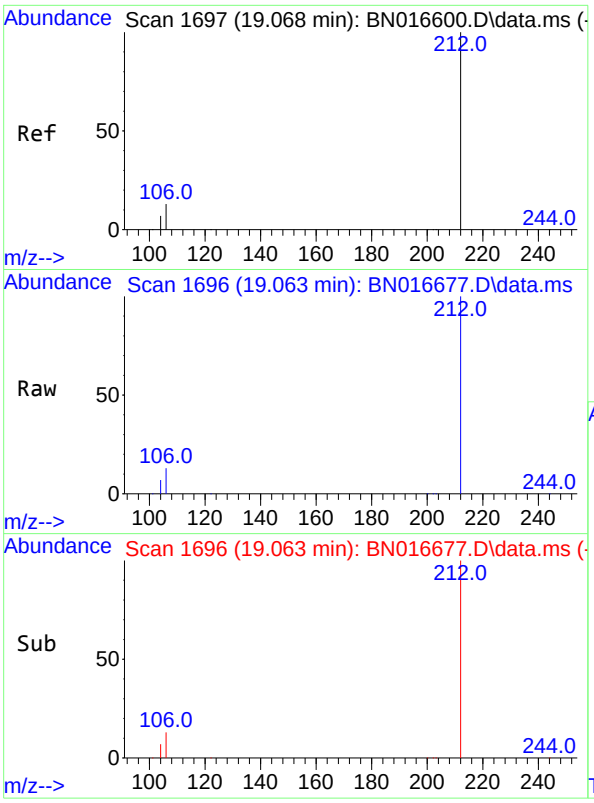
#26
Anthracene
Concen: 0.34 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:178 Resp: 128440

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.2	12.2	18.4



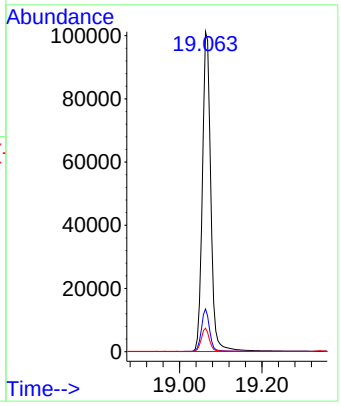
Instrument :
BNA_N
ClientSampleId :
PB139503BS

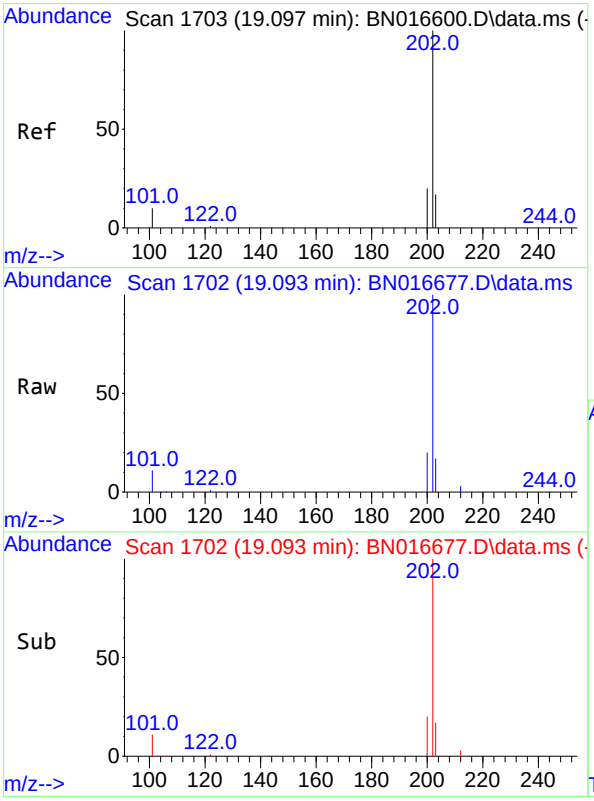


#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:212 Resp: 142948

Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.6	16.0
104	7.1	5.9	8.9

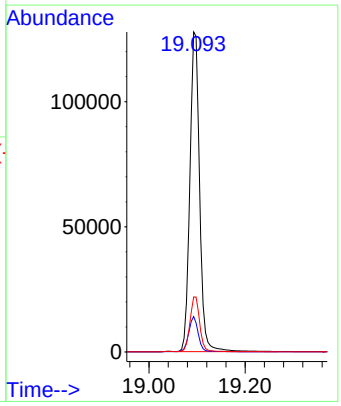




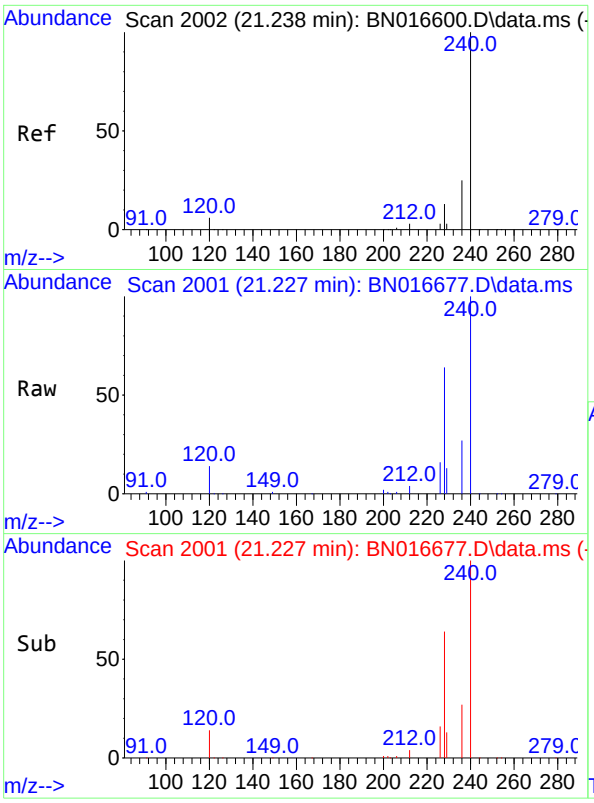
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:202 Resp: 179530

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.0	13.4
203	17.3	13.8	20.6



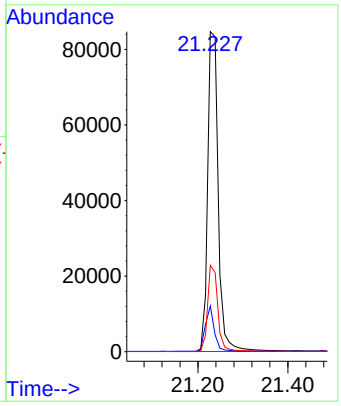
Instrument :
BNA_N
ClientSampleId :
PB139503BS

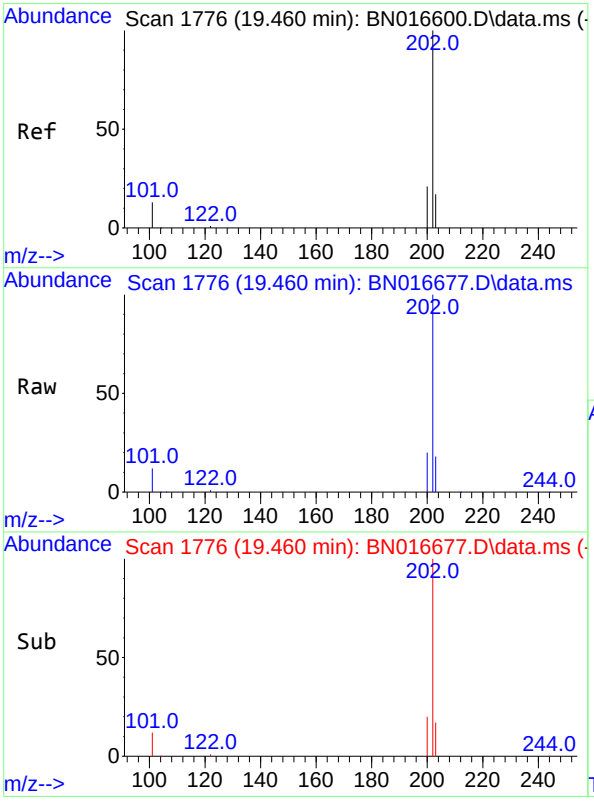


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.010 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:240 Resp: 137626

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.0	7.4#
236	27.0	20.4	30.6

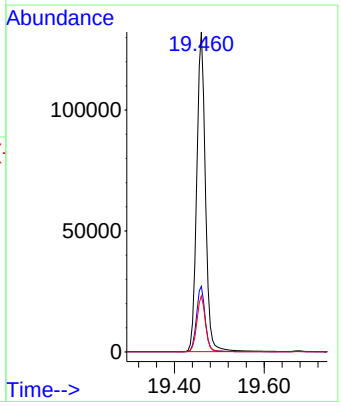




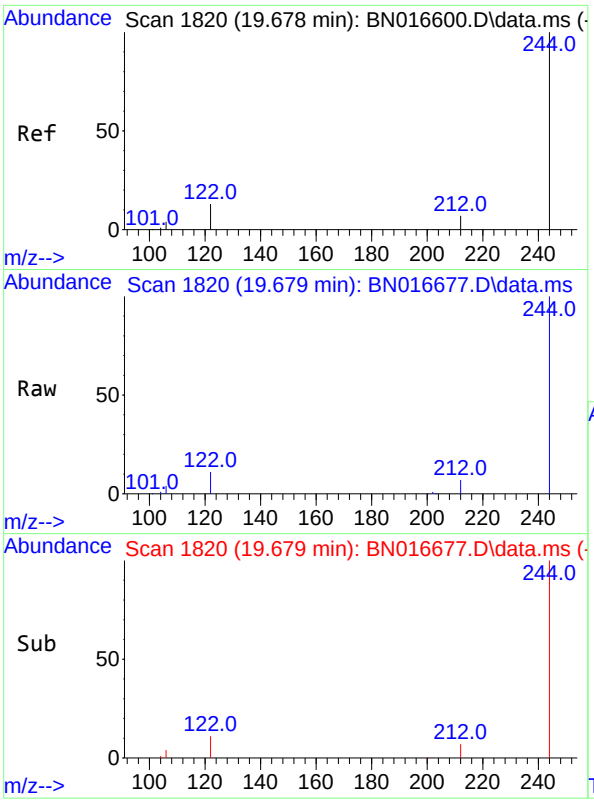
#30
Pyrene
Concen: 0.40 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:202 Resp: 179328

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.5	14.0	21.0



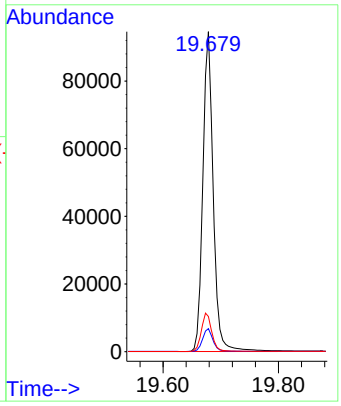
Instrument :
BNA_N
ClientSampleId :
PB139503BS

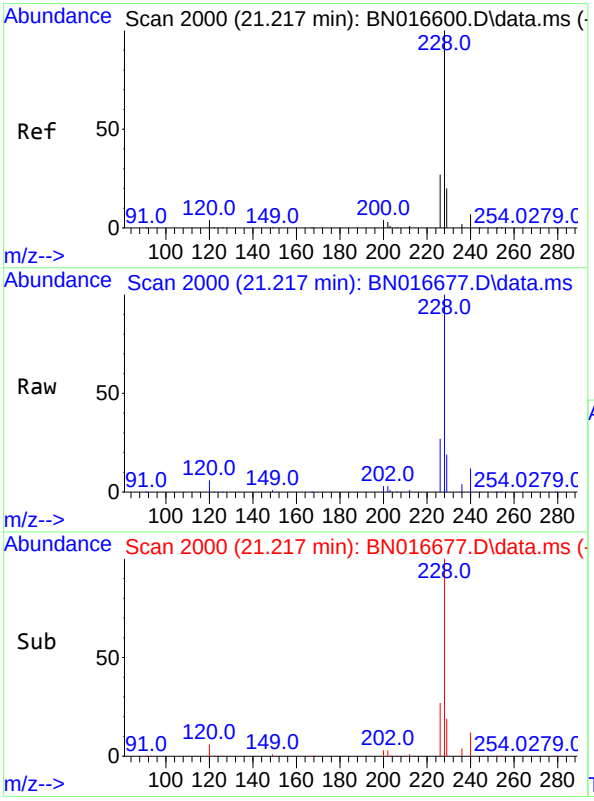


#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:244 Resp: 117931

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.0	10.1	15.1

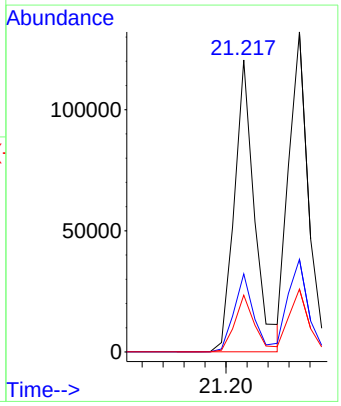




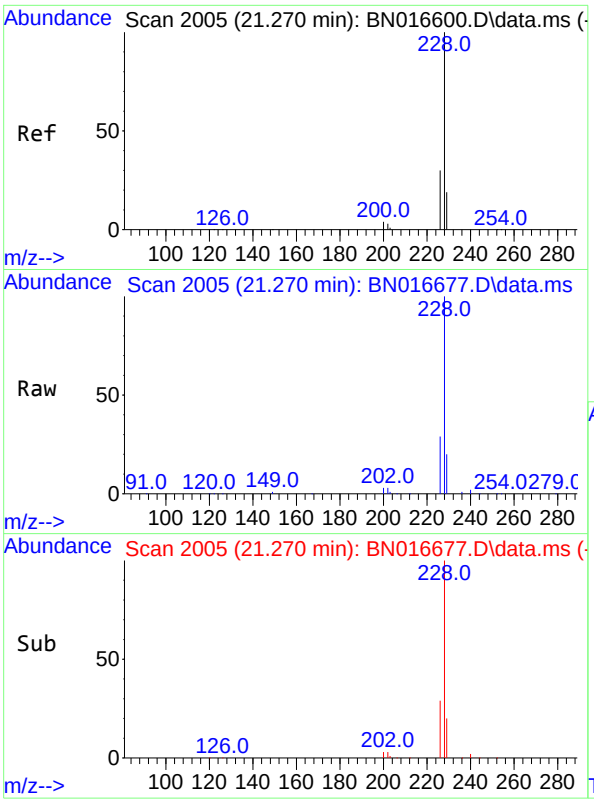
#32
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:228 Resp: 160886

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.5	15.7	23.5



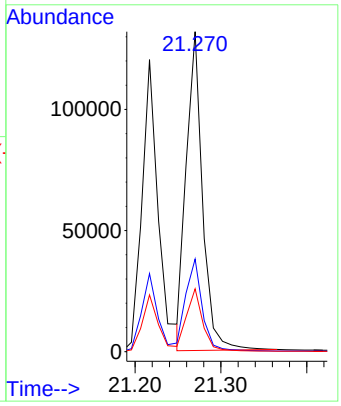
Instrument :
BNA_N
ClientSampleId :
PB139503BS

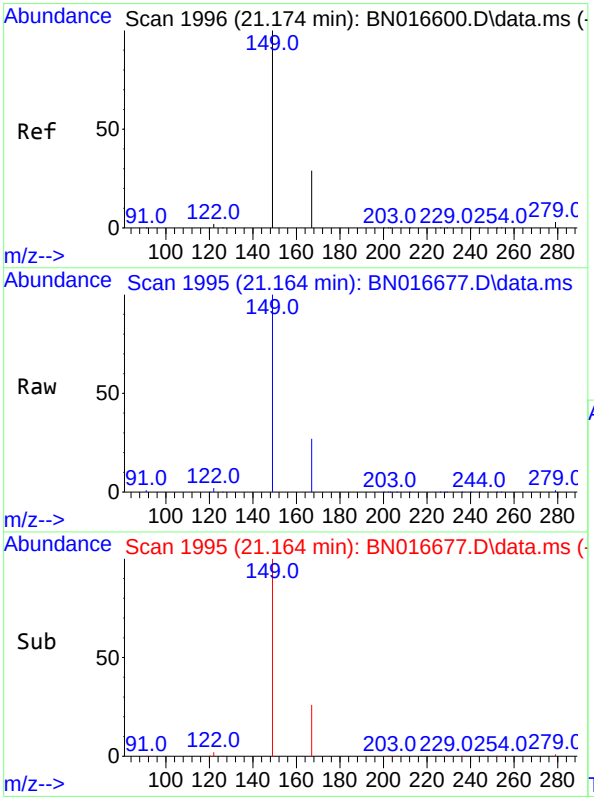


#33
Chrysene
Concen: 0.41 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:228 Resp: 173320

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.7	15.5	23.3

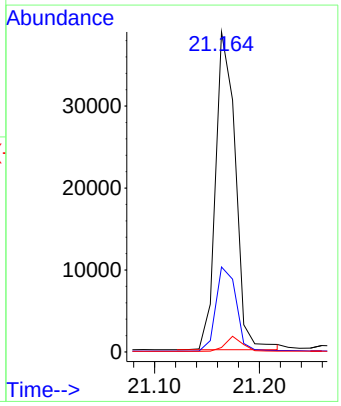


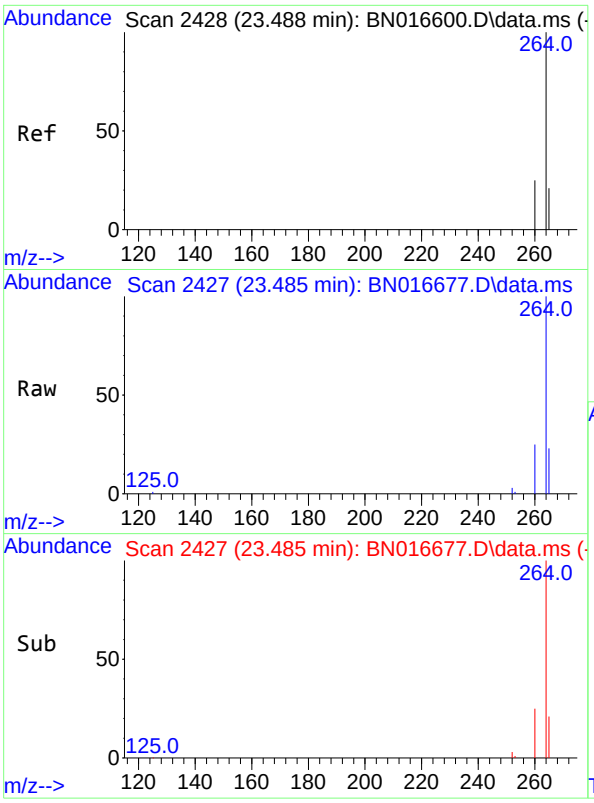


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:149 Resp: 50962

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	4.1	3.2	4.8

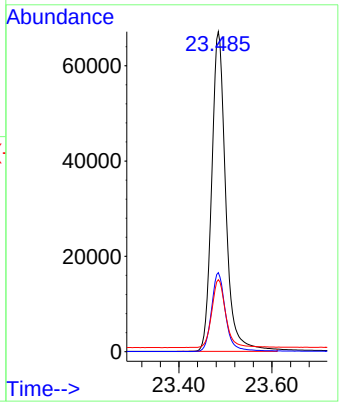




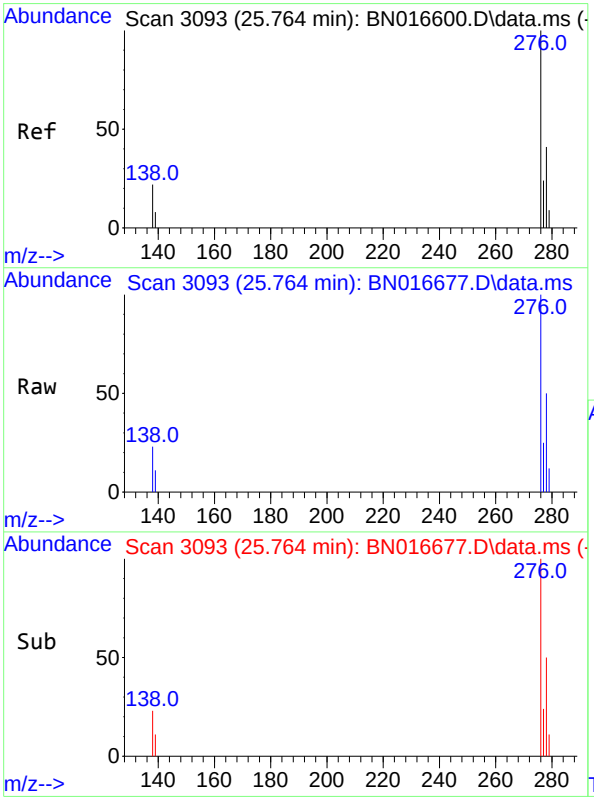
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:264 Resp: 140252

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	22.5	19.2	28.8



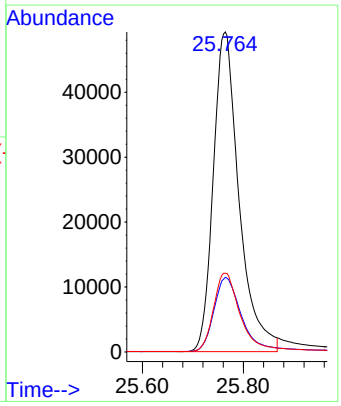
Instrument :
BNA_N
ClientSampleId :
PB139503BS



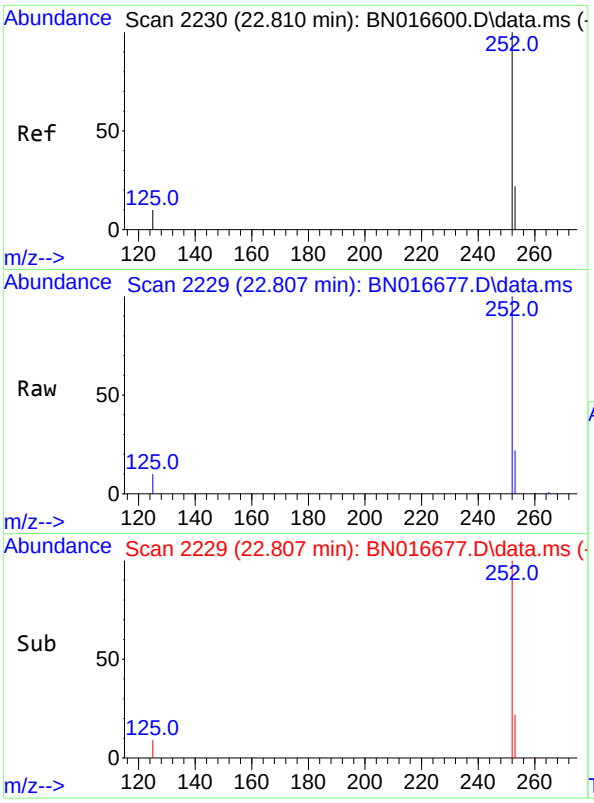
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:276 Resp: 174290

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.5	29.3
277	25.1	19.9	29.9



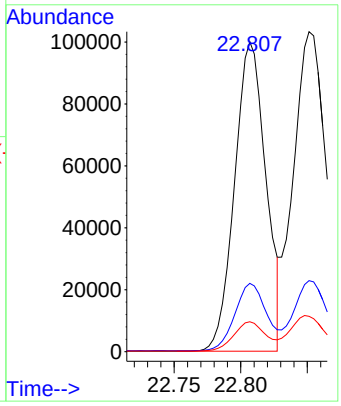
Instrument :
BNA_N
ClientSampleId :
PB139503BS

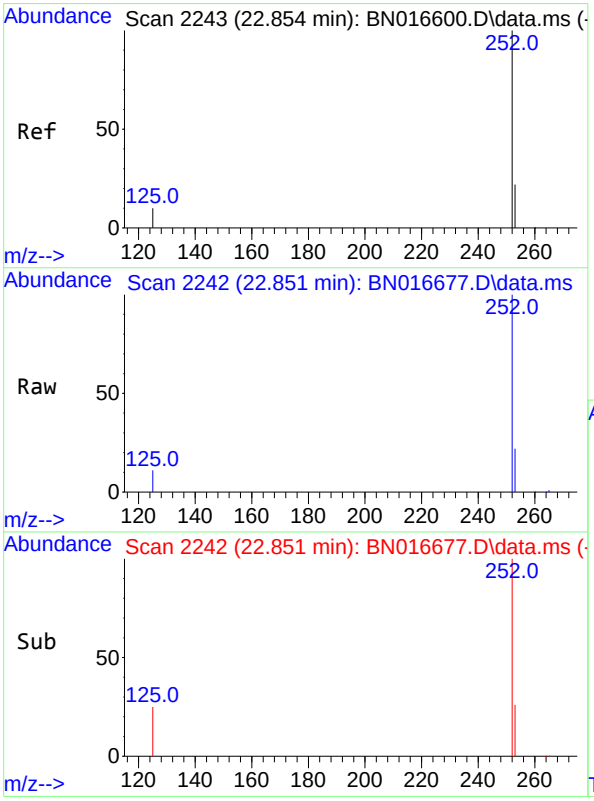


#37
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:252 Resp: 162864

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.7	8.0	12.0

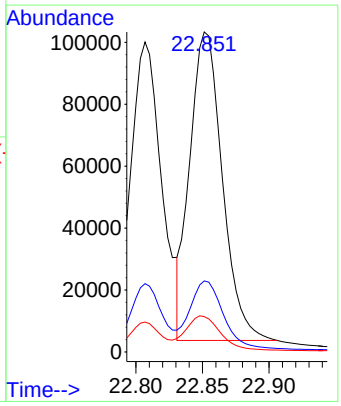




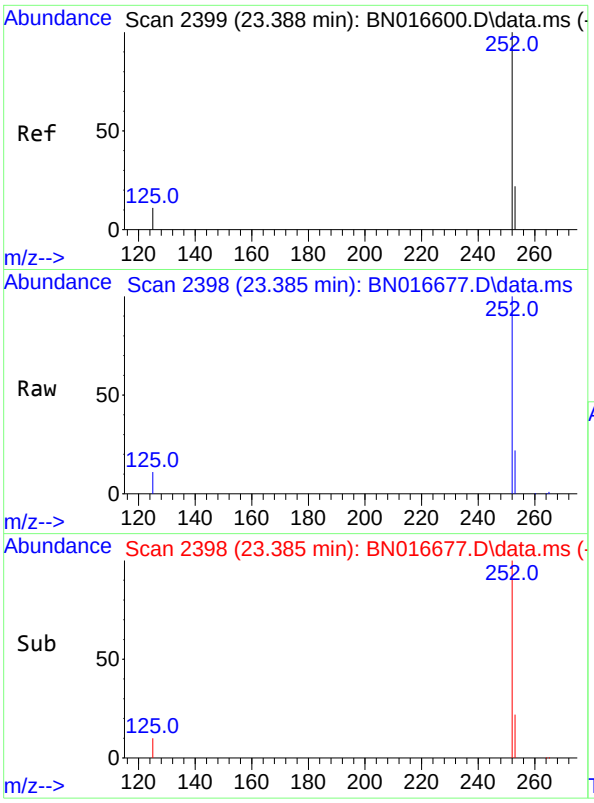
#38
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 22.851 min Scan# 2242
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:252 Resp: 169333

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.1	8.0	12.0



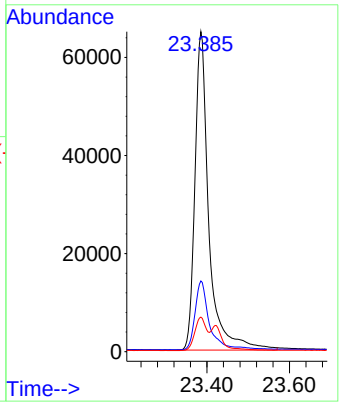
Instrument :
BNA_N
ClientSampleId :
PB139503BS

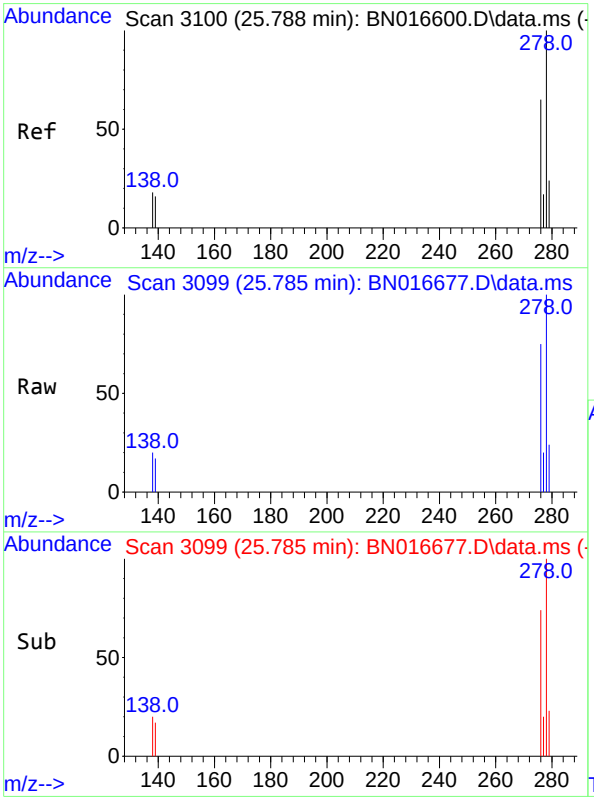


#39
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:252 Resp: 151862

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.8	9.0	13.4

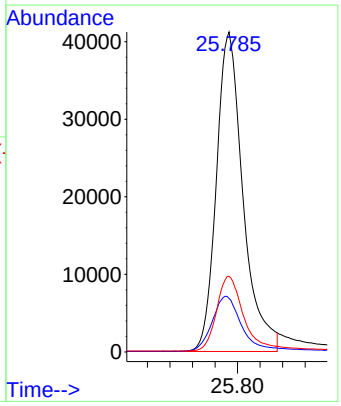


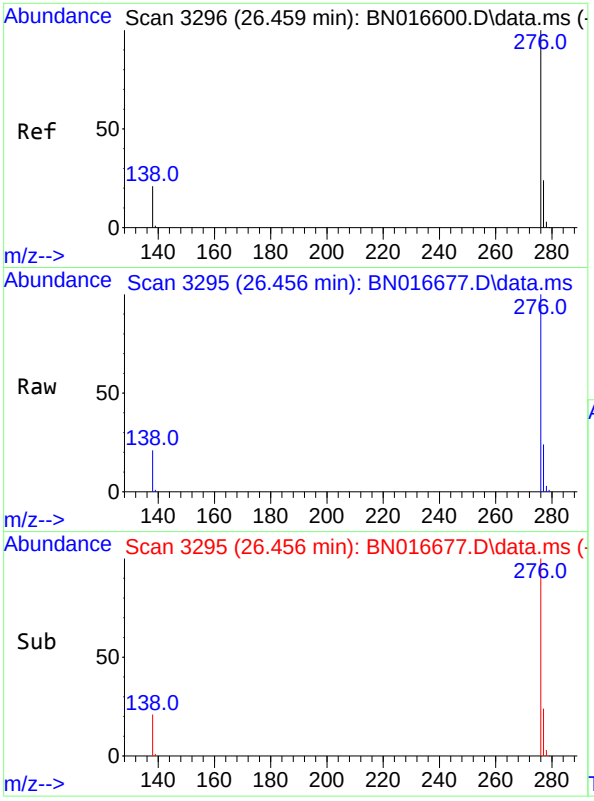


#40
Dibenzo(a,h)anthracene
Concen: 0.33 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:278 Resp: 134991

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.1	19.7
279	23.7	19.1	28.7

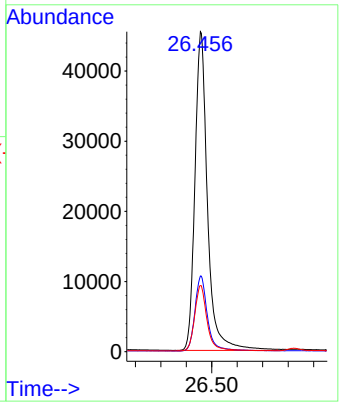




#41
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 26.456 min Scan# 3295
Delta R.T. -0.003 min
Lab File: BN016677.D
Acq: 02 Oct 2021 18:57

Tgt Ion:276 Resp: 155598

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.7	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
PB139503BS