Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018178.D
Acq On : 23 Dec 2021 12:33
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Dec 23 13:18:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 13:14:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	22378	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	87203	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	52330	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	105527	0.400	ng	0.00
29) Chrysene-d12	21.195	240	110973	0.400	ng	# 0.00
35) Perylene-d12	23.419	264	105944	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.226	112	166419	3.430	ng	0.00
5) Phenol-d6	6.812	99	185343	3.811	ng	0.00
8) Nitrobenzene-d5	8.759	82	220091	3.557	ng	-0.01
11) 2-Methylnaphthalene-d10	11.994	152	491336	3.398	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	102592	4.269	ng	-0.01
15) 2-Fluorobiphenyl	12.873	172	635861	3.487	ng	-0.01
27) Fluoranthene-d10	19.033	212	1168993	3.317	ng	0.00
31) Terphenyl-d14	19.639	244	792456	3.426	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.161	88	42252	3.030	ng	# 56
3) n-Nitrosodimethylamine	3.484	42	68415	3.280	ng	99
6) bis(2-Chloroethyl)ether	7.052	93	183190	3.189	ng	100
9) Naphthalene	10.445	128	689738	3.152	ng	100
10) Hexachlorobutadiene	10.749	225	183591	3.048	ng	# 100
12) 2-Methylnaphthalene	12.069	142	459219	3.361	ng	99
16) Acenaphthylene	13.964	152	712297	3.292	ng	100
17) Acenaphthene	14.319	154	449487	3.264	ng	96
18) Fluorene	15.296	166	563262	3.334	ng	99
21) 4-Bromophenyl-phenylether	16.190	248	229586	3.593	ng	93
22) Hexachlorobenzene	16.312	284	246722	3.234	ng	99
23) Atrazine	16.470	200	168805	3.816	ng	99
24) Pentachlorophenol	16.652	266	98598	5.715	ng	99
25) Phenanthrene	17.030	178	926998	3.450	ng	100
26) Anthracene	17.127	178	851127	3.510	ng	99
28) Fluoranthene	19.063	202	1094418	3.268	ng	99
30) Pyrene	19.425	202	1148080	3.152	ng	100
32) Benzo(a)anthracene	21.174	228	1192332	3.571	ng	100
33) Chrysene	21.227	228	1122238	3.153	ng	98
34) Bis(2-ethylhexyl)phtha...	21.121	149	520707	3.177	ng	99
36) Indeno(1,2,3-cd)pyrene	25.678	276	1125979	3.175	ng	99
37) Benzo(b)fluoranthene	22.748	252	1144792	3.637	ng	100
38) Benzo(k)fluoranthene	22.793	252	1087487	3.541	ng	99
39) Benzo(a)pyrene	23.320	252	1040764	3.247	ng	99
40) Dibenzo(a,h)anthracene	25.696	278	871002	3.150	ng	98
41) Benzo(g,h,i)perylene	26.370	276	999502	3.012	ng	100

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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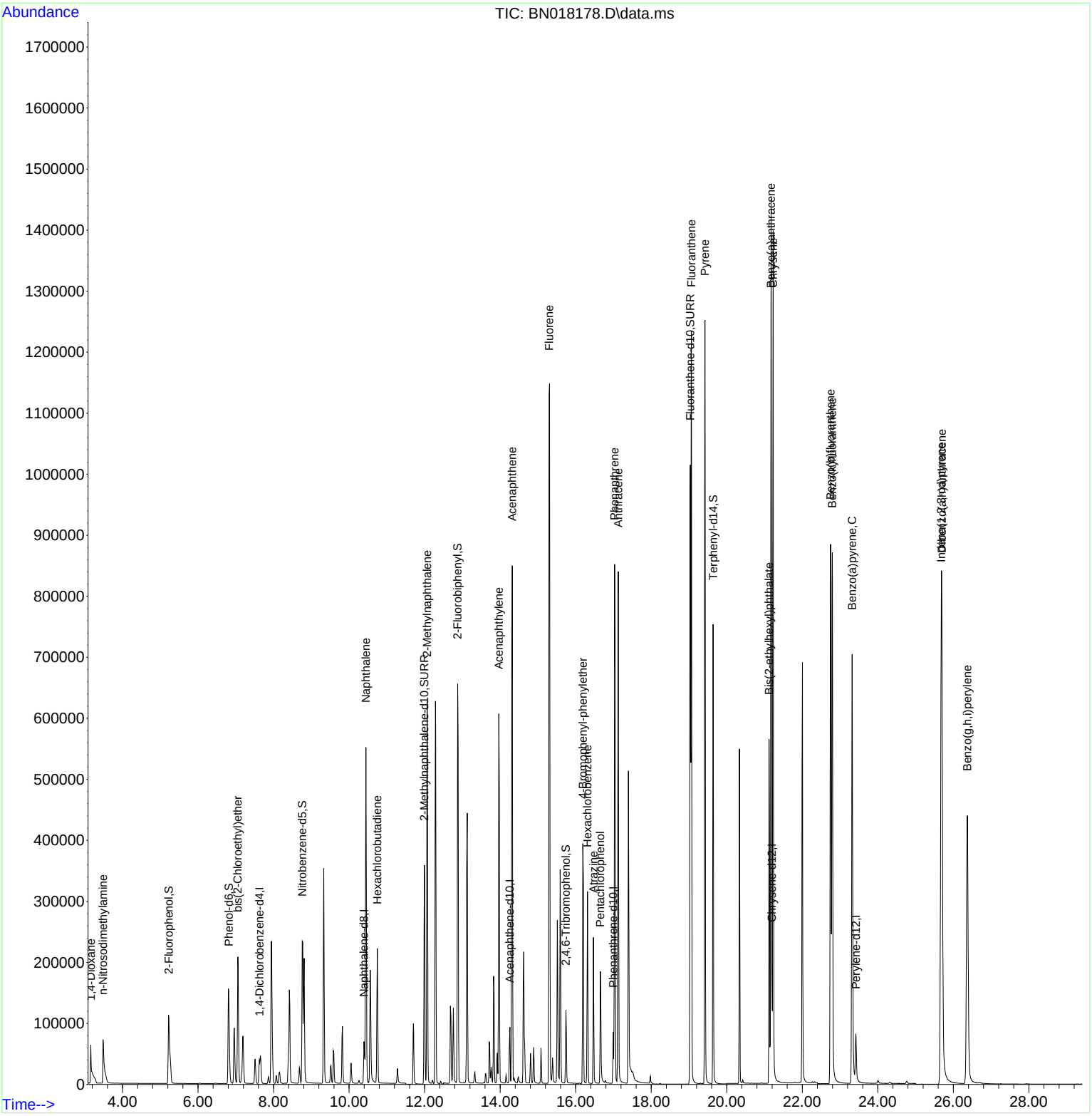
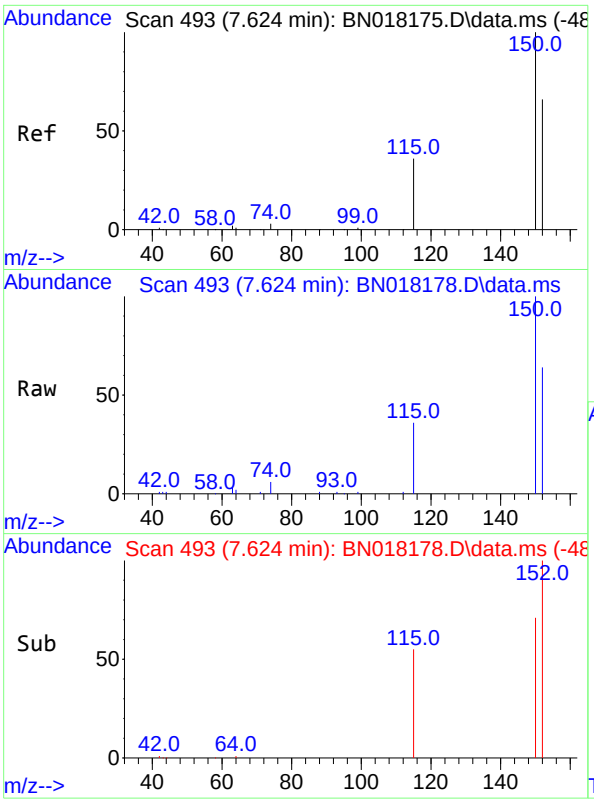


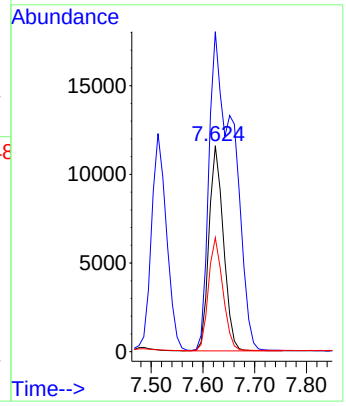


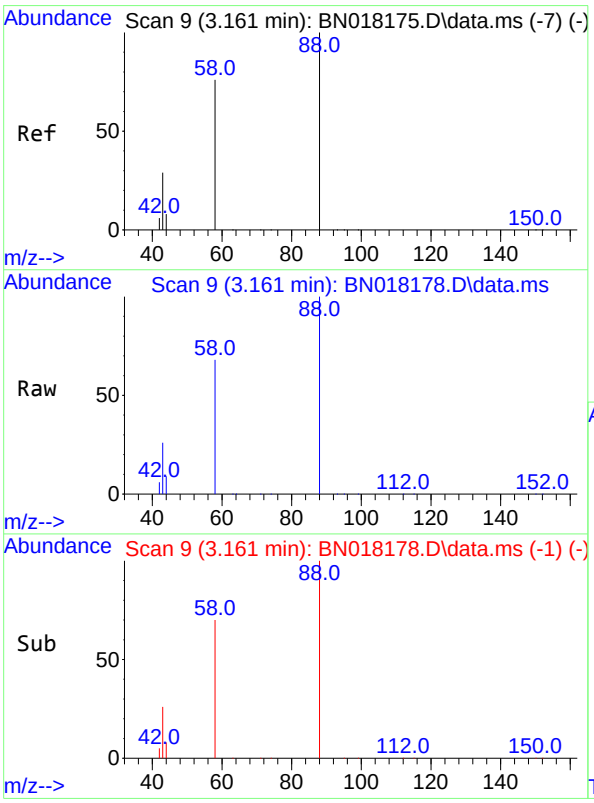
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 22378

Ion	Ratio	Lower	Upper
152	100		
150	155.4	121.7	182.5
115	55.3	43.8	65.8

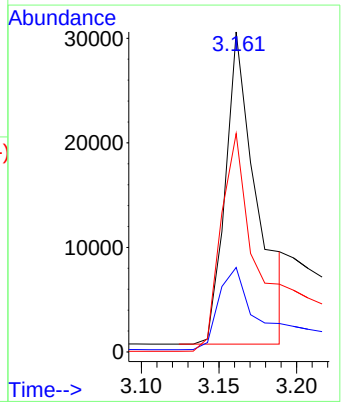


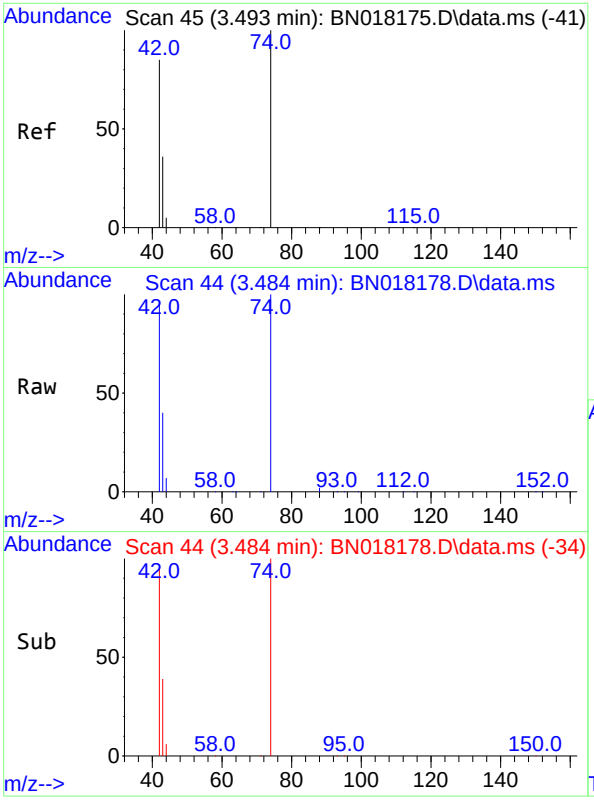


#2
1,4-Dioxane
Concen: 3.030 ng
RT: 3.161 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion: 88 Resp: 42252

Ion	Ratio	Lower	Upper
88	100		
43	30.2	69.7	104.5#
58	75.5	83.8	125.8#



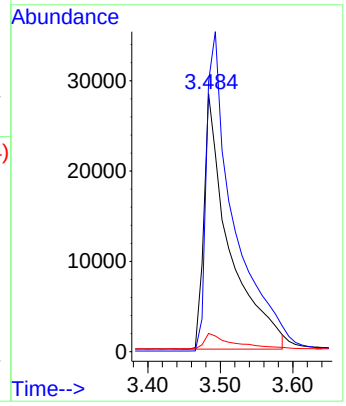


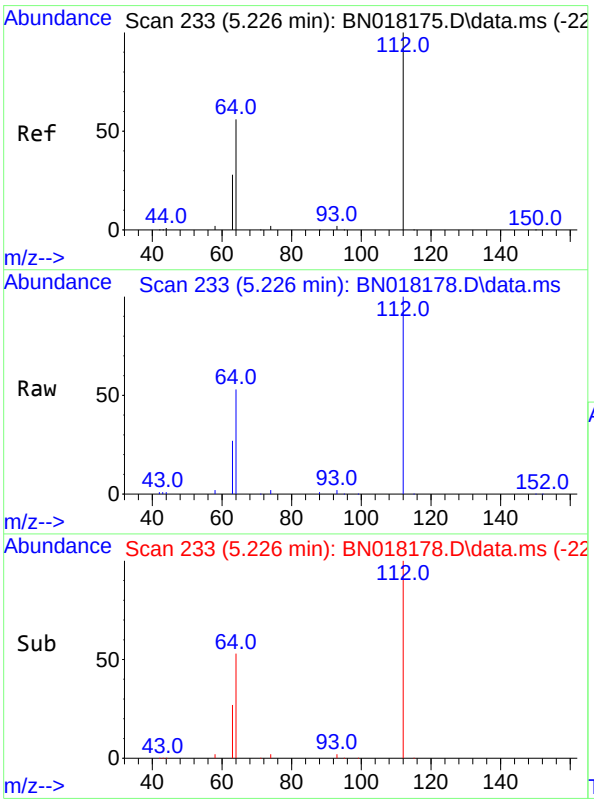
#3
n-Nitrosodimethylamine
Concen: 3.280 ng
RT: 3.484 min Scan# 44
Delta R.T. -0.009 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 68415

Ion	Ratio	Lower	Upper
42	100		
74	134.1	108.6	163.0
44	6.6	5.8	8.8

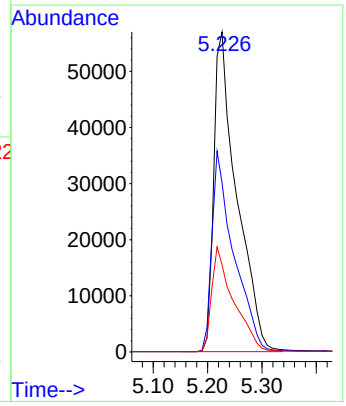


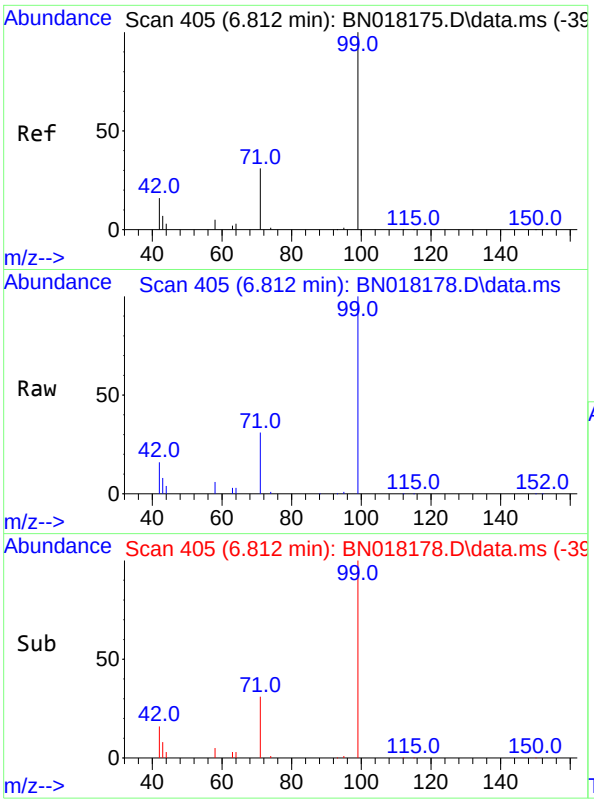


#4
2-Fluorophenol
Concen: 3.430 ng
RT: 5.226 min Scan# 233
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:112 Resp: 166419

Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.0	72.0
63	31.3	25.3	37.9



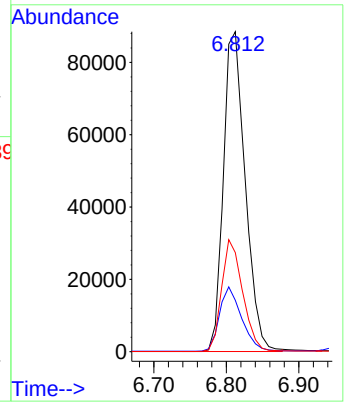


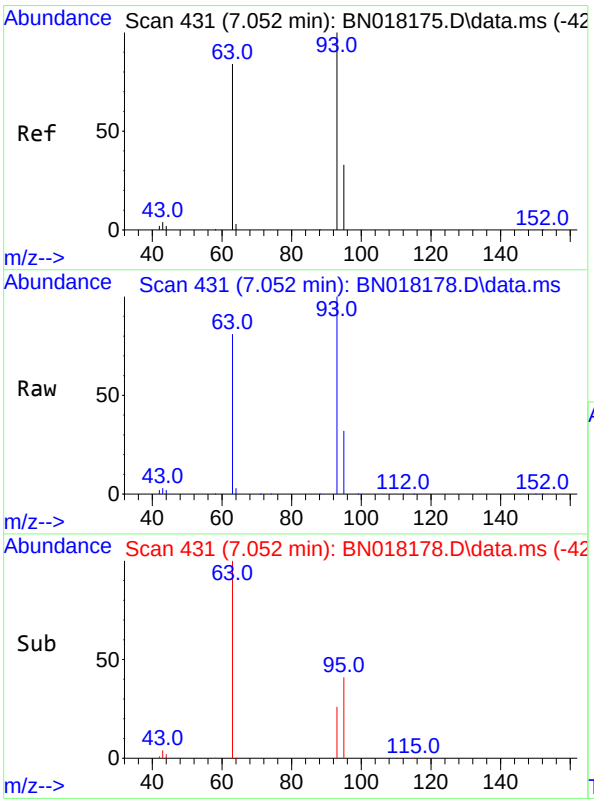
#5
Phenol-d6
Concen: 3.811 ng
RT: 6.812 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 185343

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.3	24.5
71	33.6	26.8	40.2

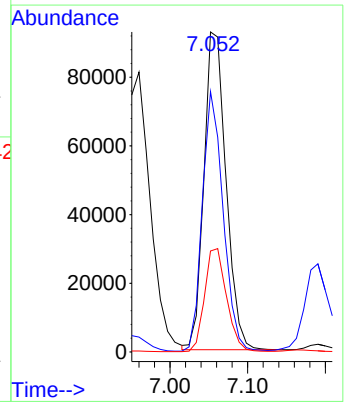


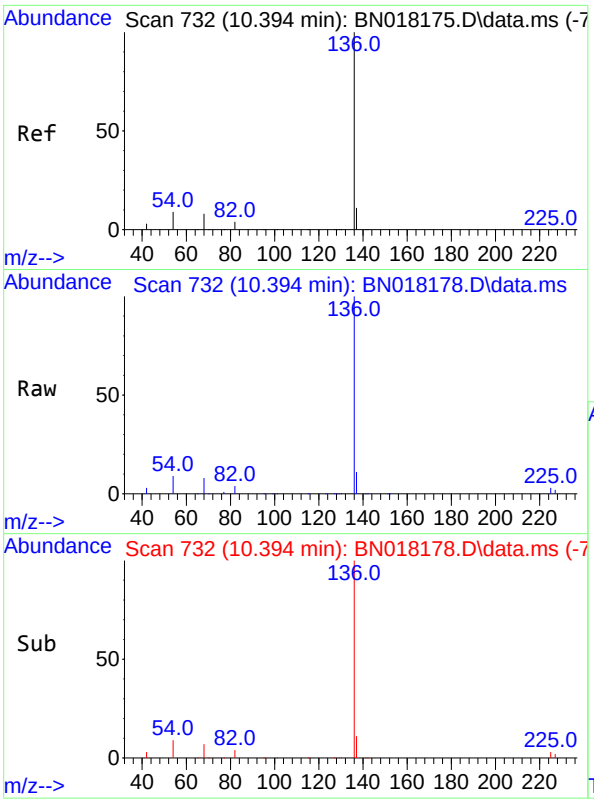


#6
bis(2-Chloroethyl)ether
Concen: 3.189 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion: 93 Resp: 183190

Ion	Ratio	Lower	Upper
93	100		
63	77.0	61.7	92.5
95	32.3	26.2	39.4



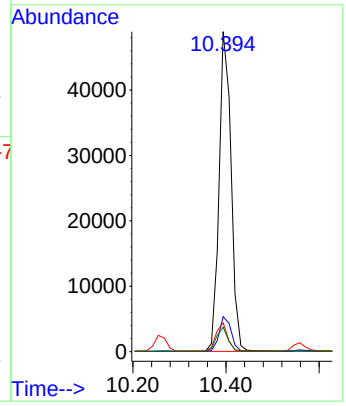


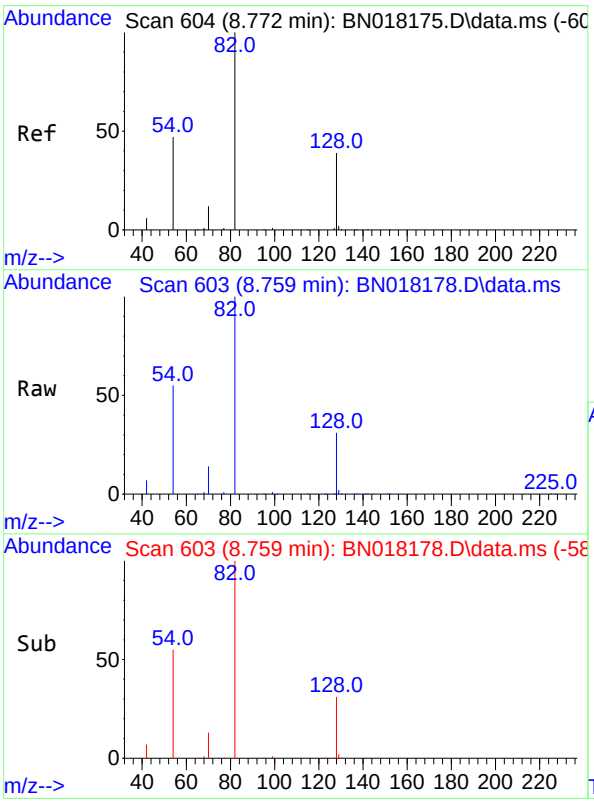
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 87203

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.0	5.0	7.6#
68	7.6	4.4	6.6#

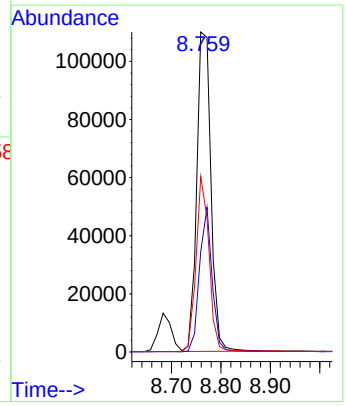


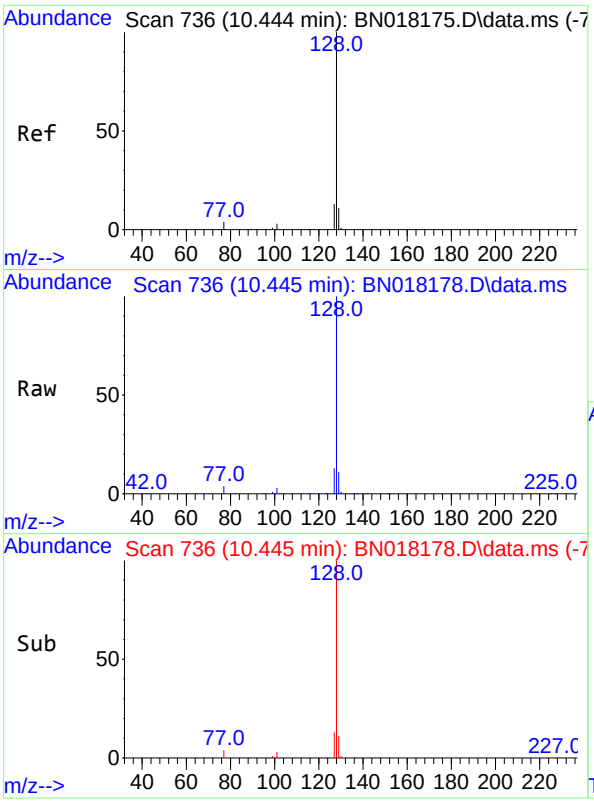


#8
Nitrobenzene-d5
Concen: 3.557 ng
RT: 8.759 min Scan# 603
Delta R.T. -0.013 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion: 82 Resp: 220091

Ion	Ratio	Lower	Upper
82	100		
128	31.4	33.7	50.5#
54	54.8	36.6	55.0



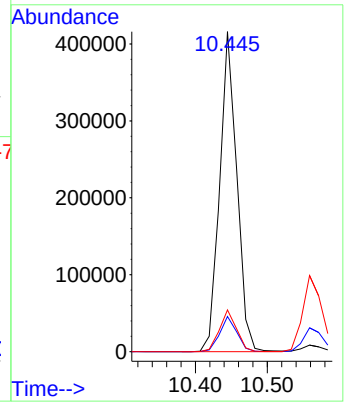


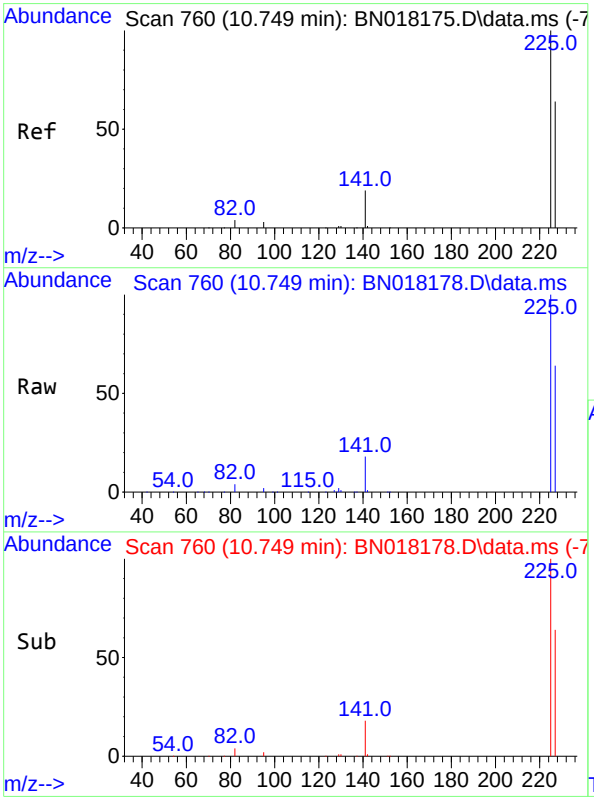
#9
Naphthalene
Concen: 3.152 ng
RT: 10.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 689738

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.1	10.4	15.6

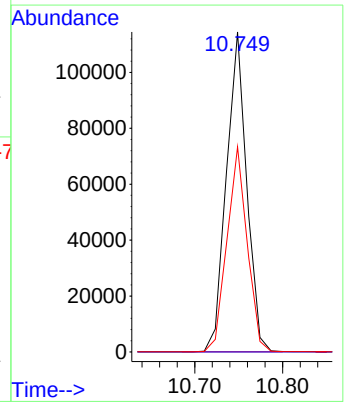


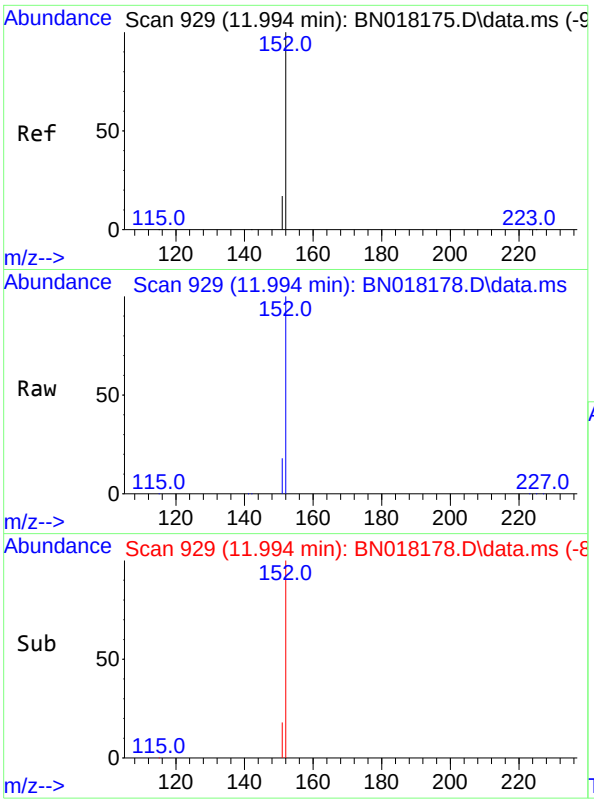


#10
Hexachlorobutadiene
Concen: 3.048 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:225 Resp: 183591

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.0	76.6



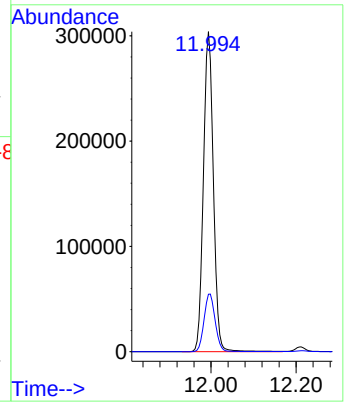


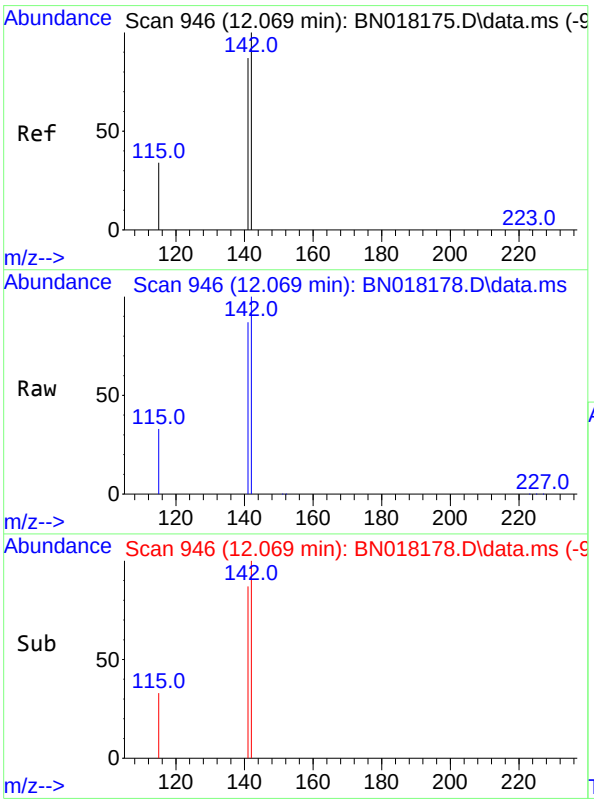
#11
2-Methylnaphthalene-d10
Concen: 3.398 ng
RT: 11.994 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 491336

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

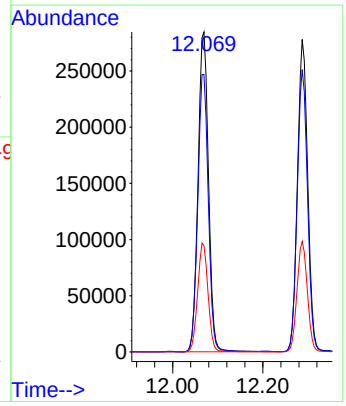


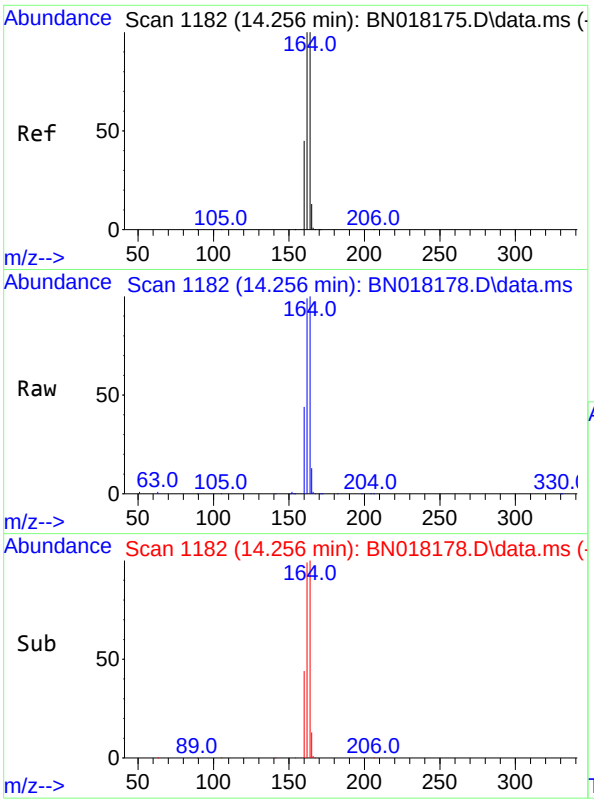


#12
2-Methylnaphthalene
Concen: 3.361 ng
RT: 12.069 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:142 Resp: 459219

Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.0	105.0
115	33.2	27.8	41.8



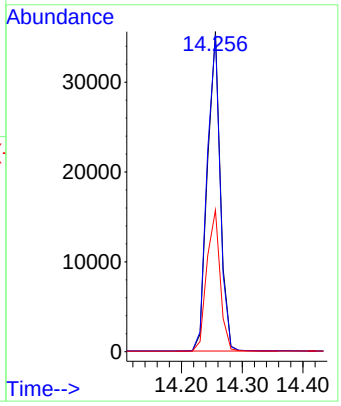


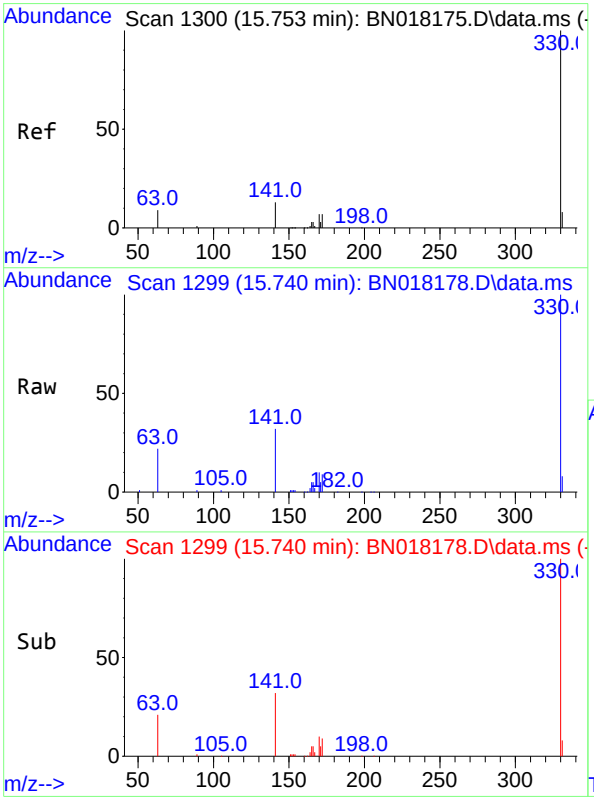
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 52330

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.2	120.2
160	44.2	36.9	55.3

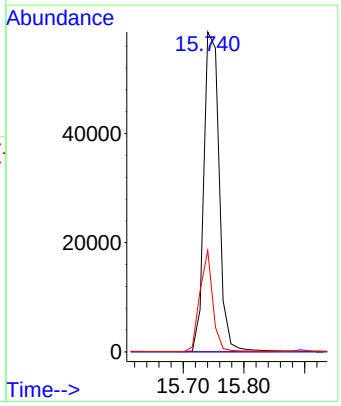


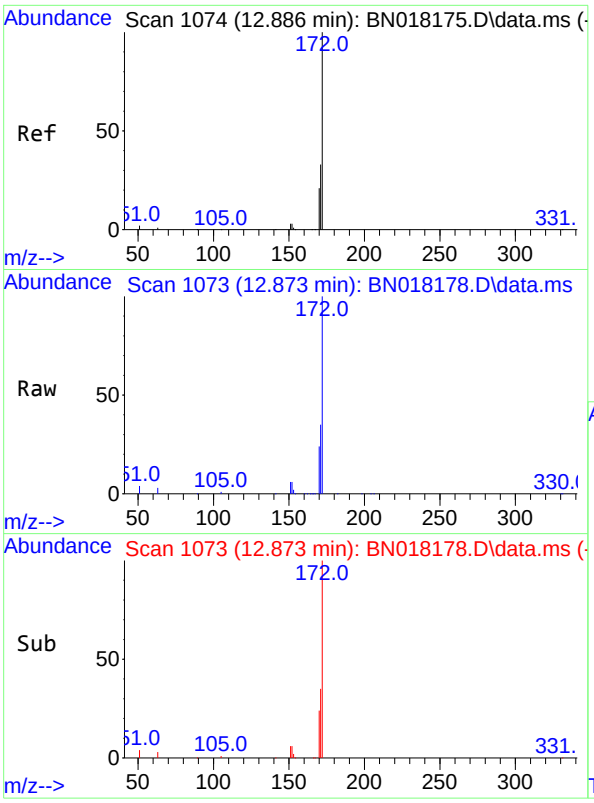


#14
2,4,6-Tribromophenol
Concen: 4.269 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:330 Resp: 102592

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.7	21.3	31.9



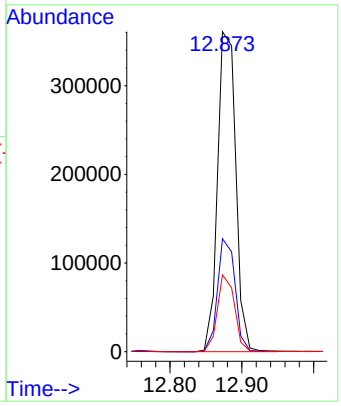


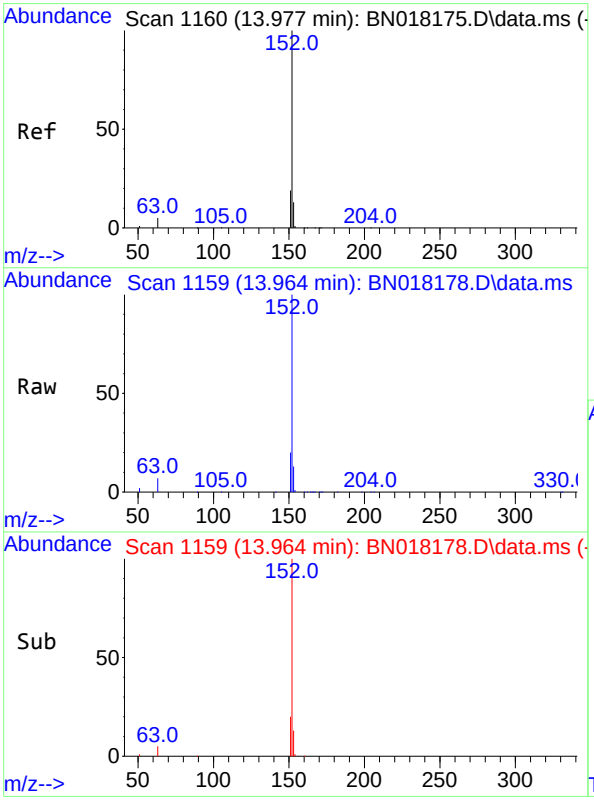
#15
2-Fluorobiphenyl
Concen: 3.487 ng
RT: 12.873 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 635861

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.4	41.0
170	24.0	18.4	27.6

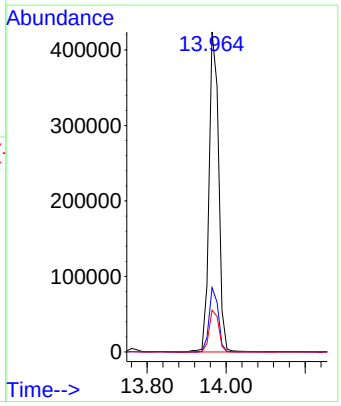


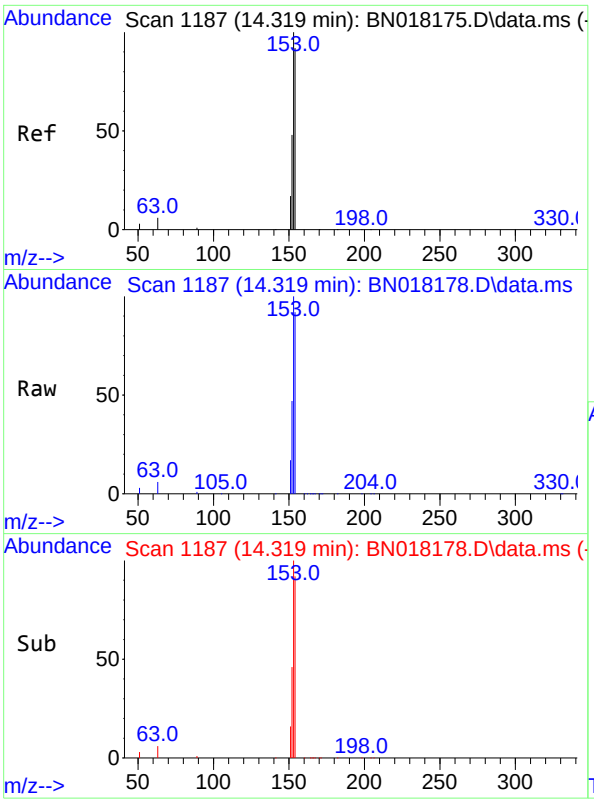


#16
Acenaphthylene
Concen: 3.292 ng
RT: 13.964 min Scan# 1159
Delta R.T. -0.013 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:152 Resp: 712297

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.2	10.5	15.7



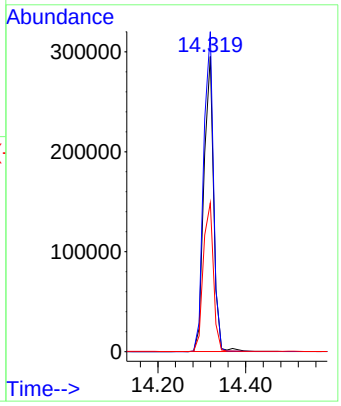


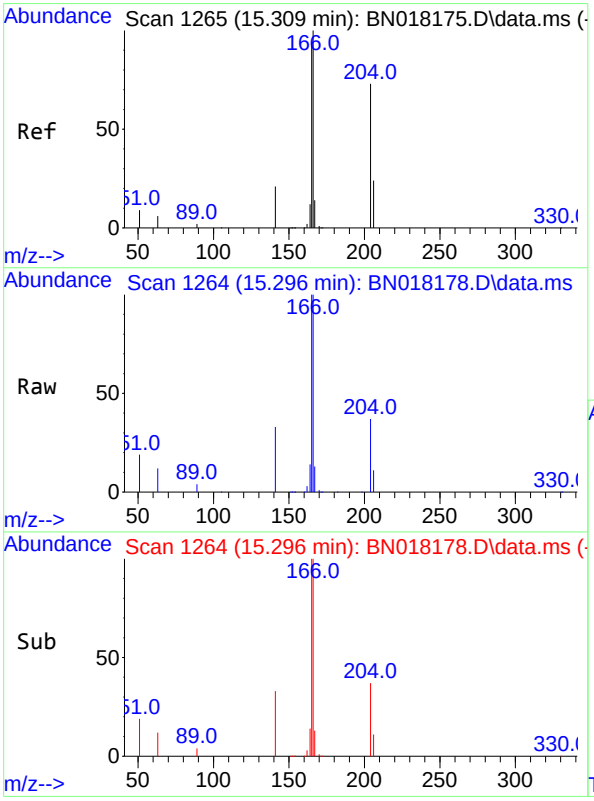
#17
Acenaphthene
Concen: 3.264 ng
RT: 14.319 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 449487

Ion	Ratio	Lower	Upper
154	100		
153	110.2	90.9	136.3
152	52.8	45.0	67.4

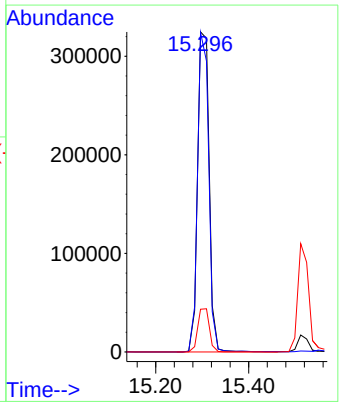


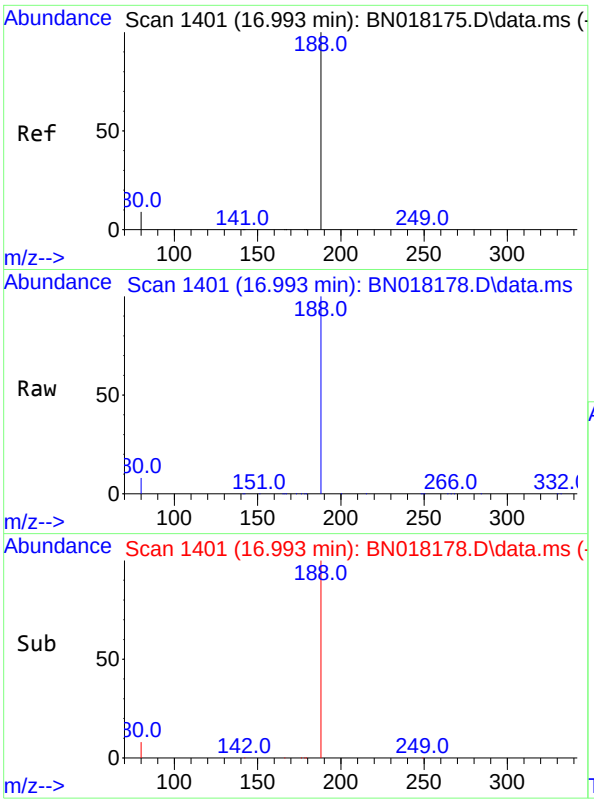


#18
Fluorene
Concen: 3.334 ng
RT: 15.296 min Scan# 1264
Delta R.T. -0.013 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:166 Resp: 563262

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.8	116.6
167	13.5	10.9	16.3



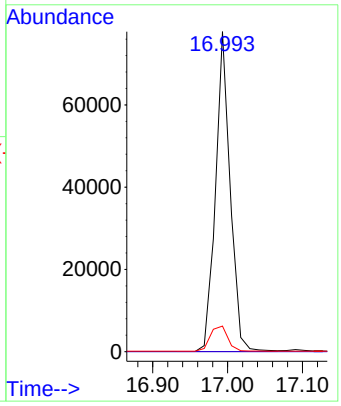


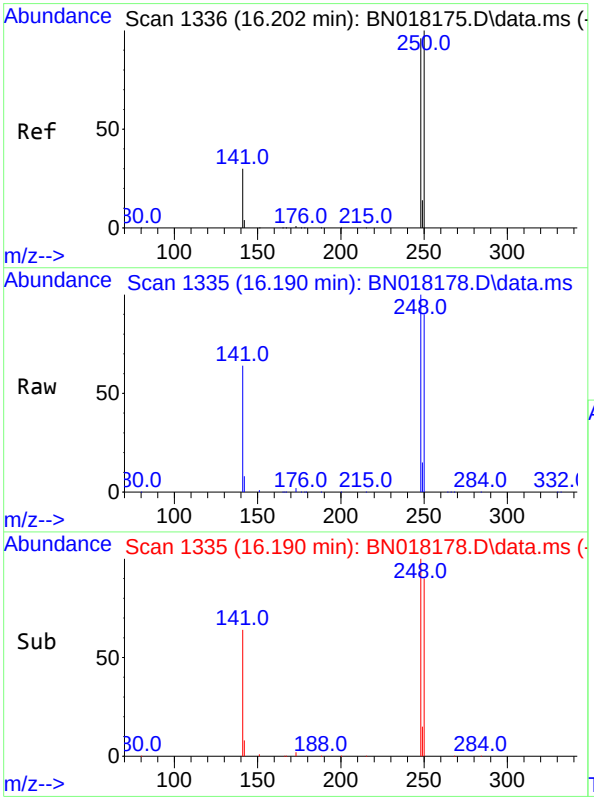
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 105527

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	7.0	10.4

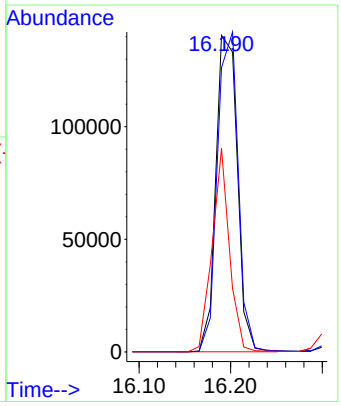


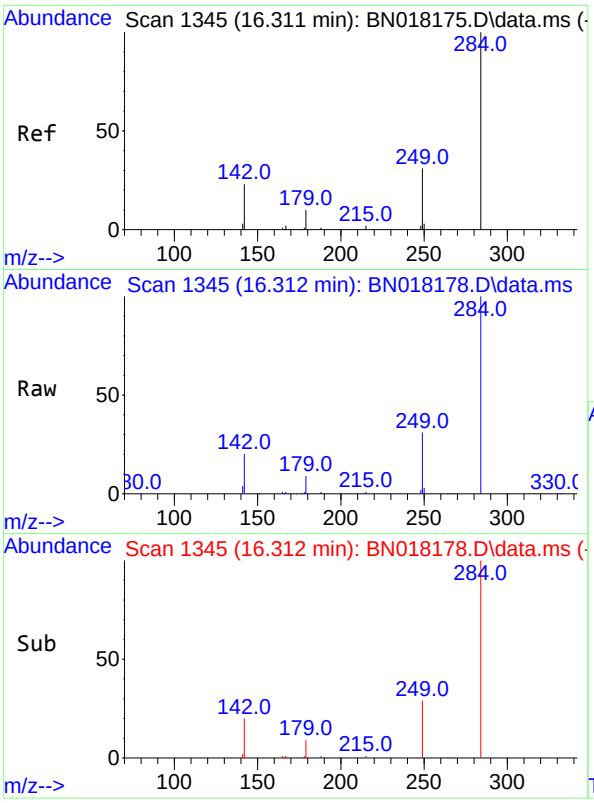


#21
4-Bromophenyl-phenylether
Concen: 3.593 ng
RT: 16.190 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:248 Resp: 229586

Ion	Ratio	Lower	Upper
248	100		
250	89.8	74.4	111.6
141	64.3	43.7	65.5



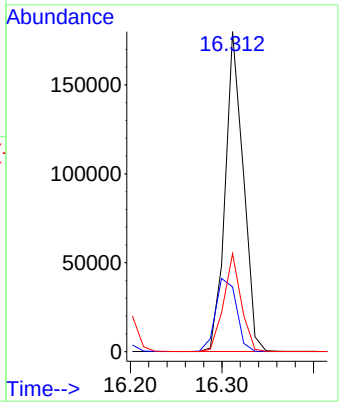


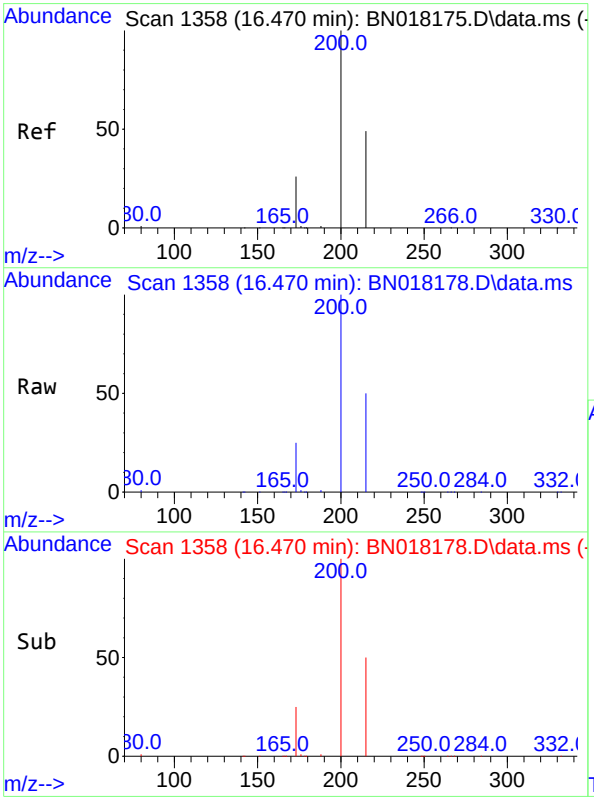
#22
Hexachlorobenzene
Concen: 3.234 ng
RT: 16.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 246722

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.6	32.4
249	29.6	23.5	35.3

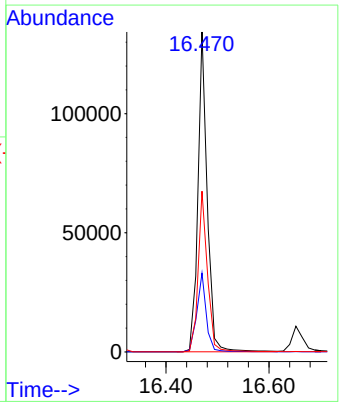


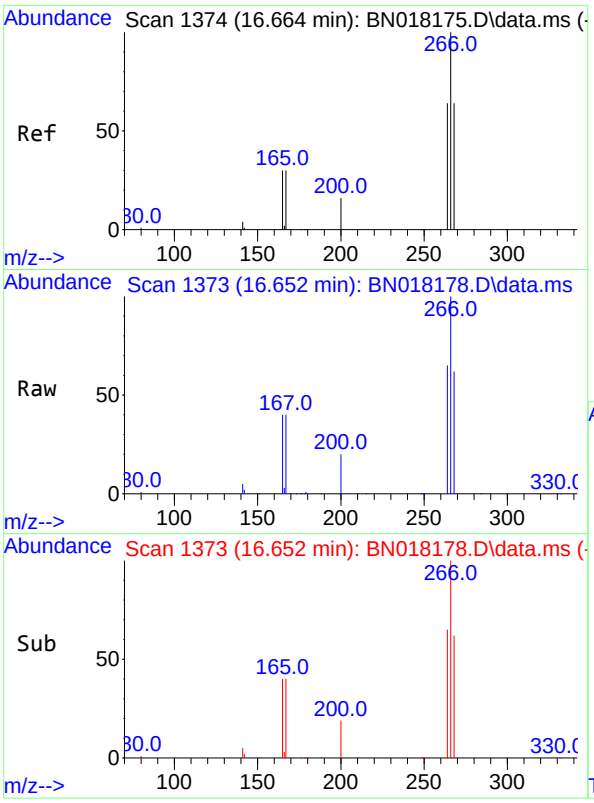


#23
Atrazine
Concen: 3.816 ng
RT: 16.470 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:200 Resp: 168805

Ion	Ratio	Lower	Upper
200	100		
173	24.7	20.3	30.5
215	50.2	40.4	60.6



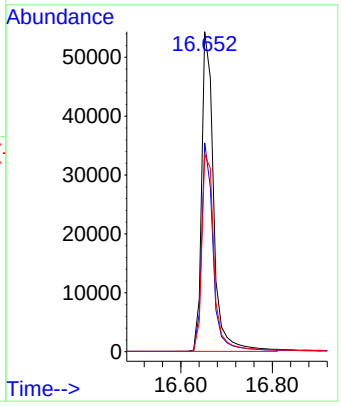


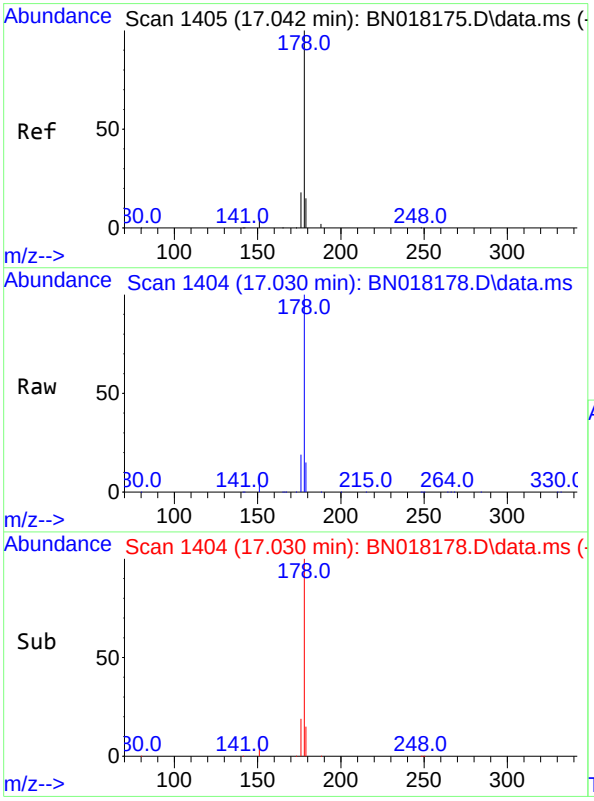
#24
Pentachlorophenol
Concen: 5.715 ng
RT: 16.652 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:266 Resp: 98598

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.5	74.3
268	64.1	50.6	76.0

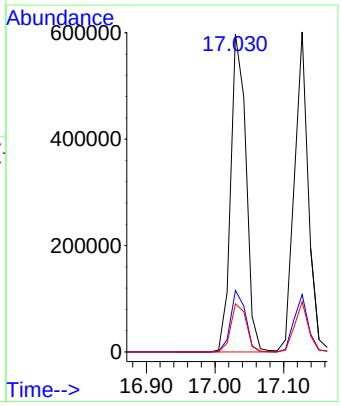


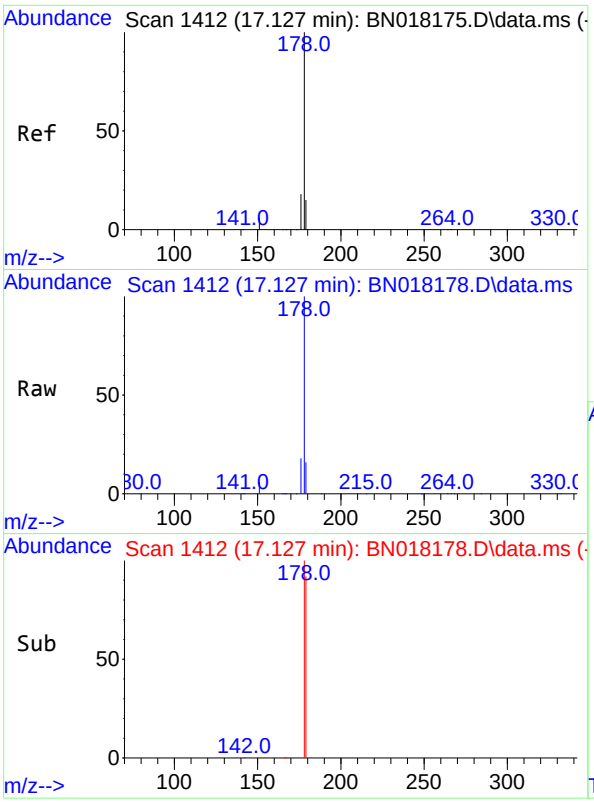


#25
Phenanthrene
Concen: 3.450 ng
RT: 17.030 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:178 Resp: 926998

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.3	18.5



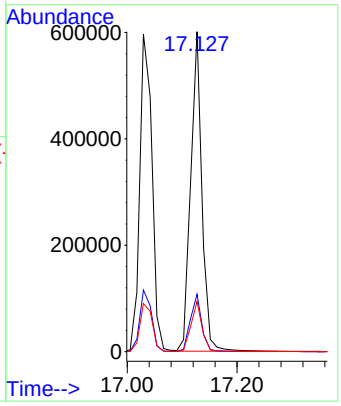


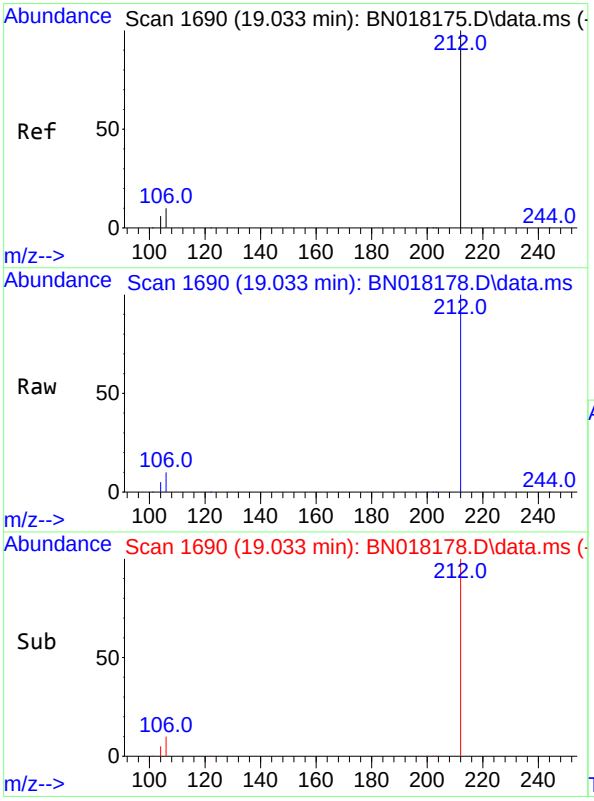
#26
Anthracene
Concen: 3.510 ng
RT: 17.127 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 851127

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.6	12.2	18.4

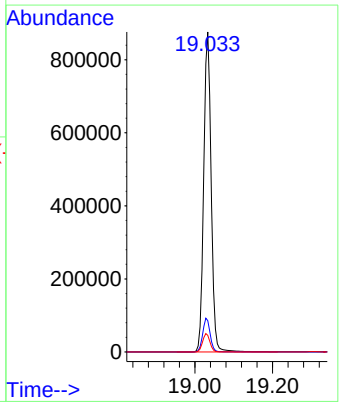


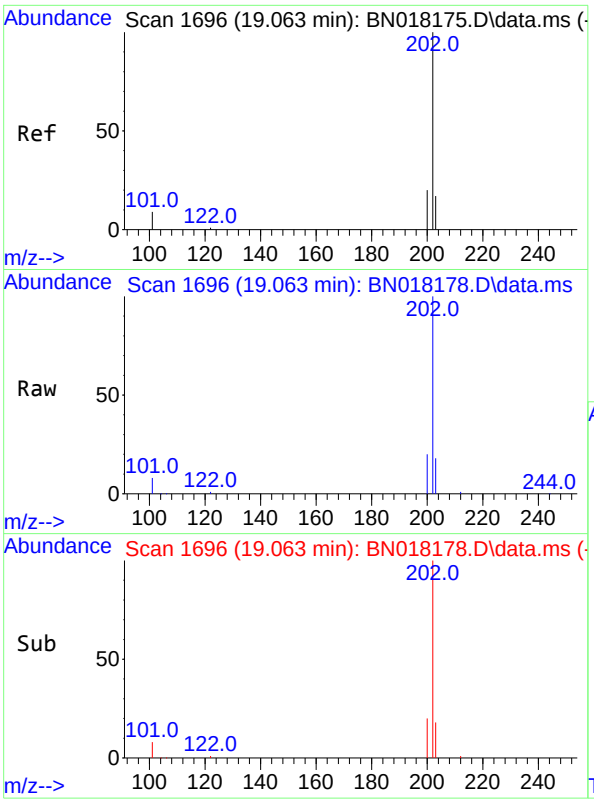


#27
Fluoranthene-d10
Concen: 3.317 ng
RT: 19.033 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:212 Resp: 1168993

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.4	12.6
104	5.7	4.5	6.7



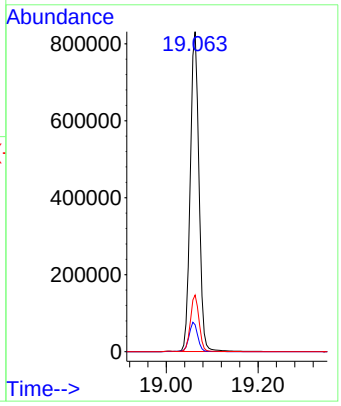


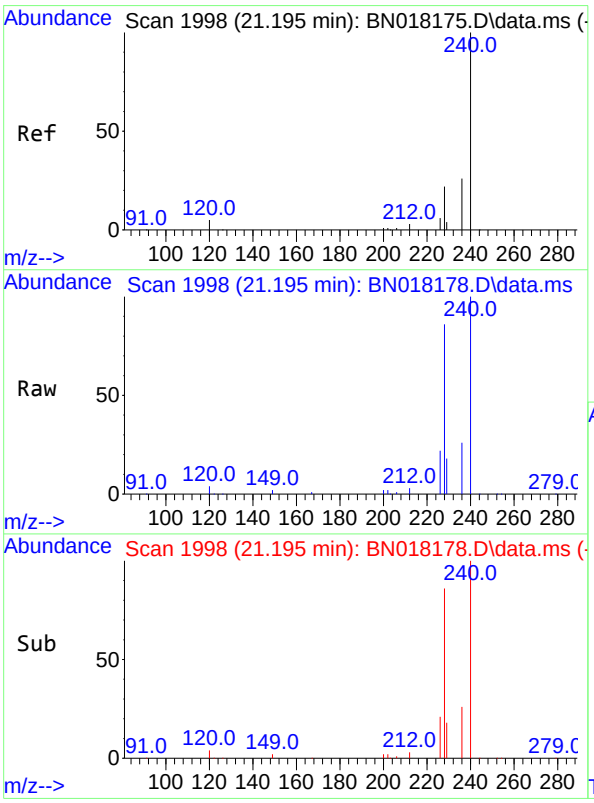
#28
Fluoranthene
Concen: 3.268 ng
RT: 19.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 1094418

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.2	10.8
203	17.6	13.7	20.5

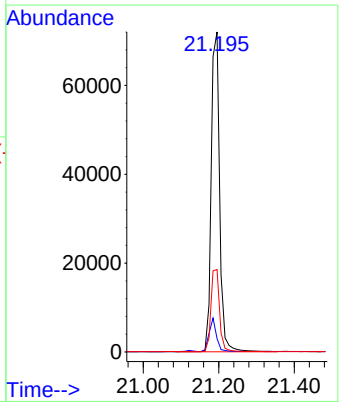


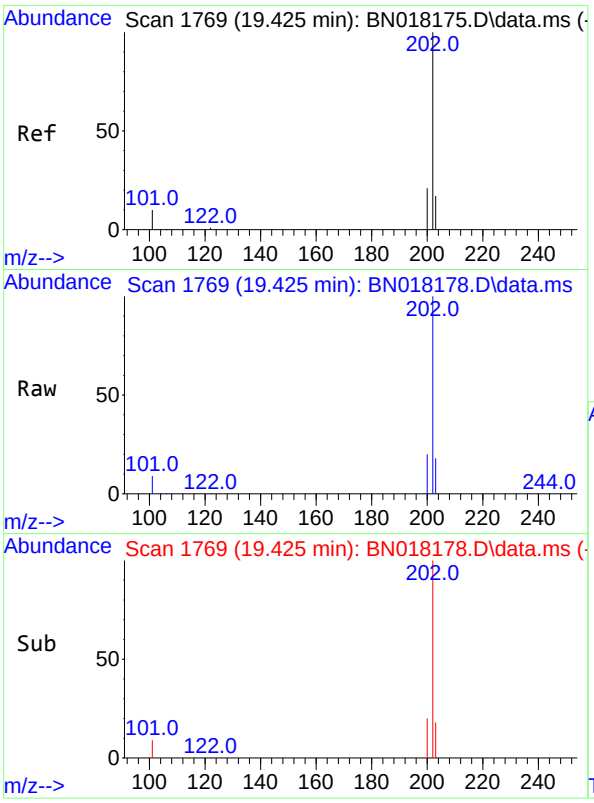


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:240 Resp: 110973

Ion	Ratio	Lower	Upper
240	100		
120	4.2	6.0	9.0#
236	25.7	21.4	32.2



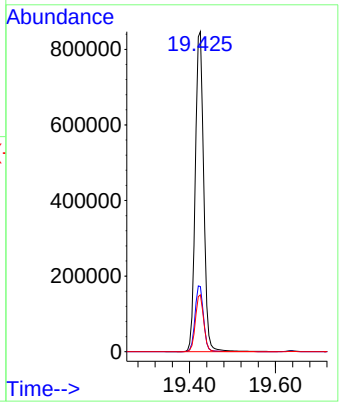


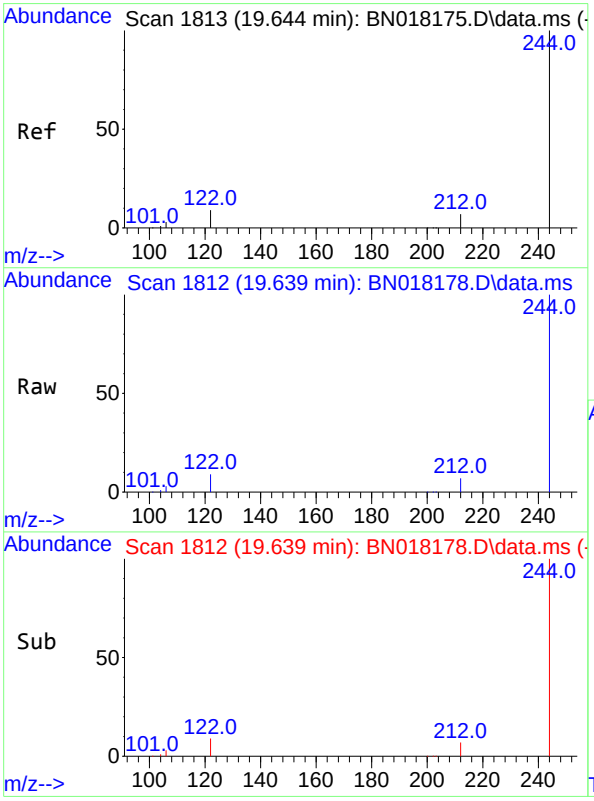
#30
Pyrene
Concen: 3.152 ng
RT: 19.425 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 1148080

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.7	14.1	21.1

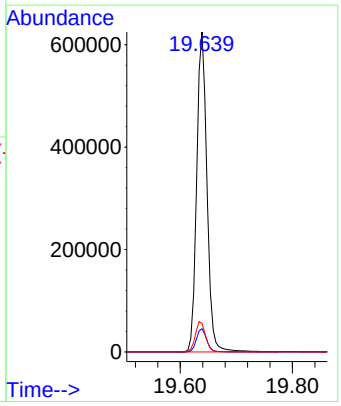


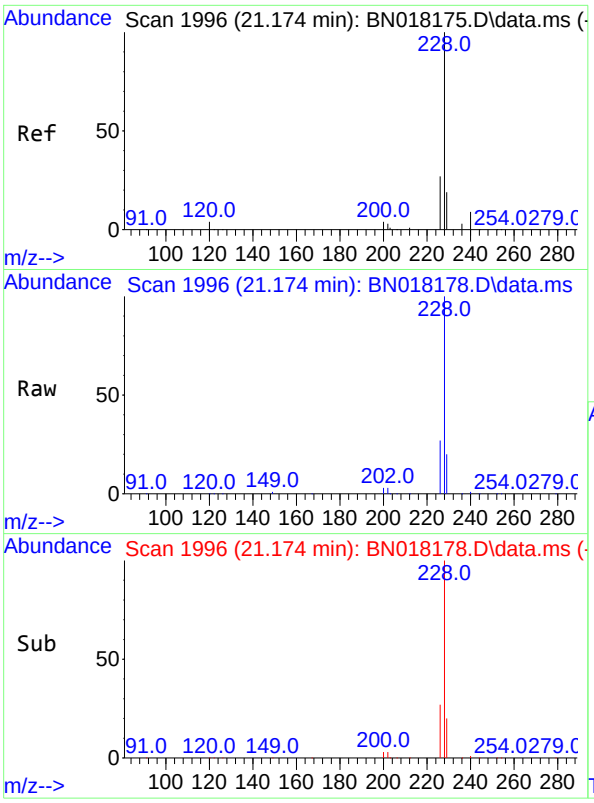


#31
Terphenyl-d14
Concen: 3.426 ng
RT: 19.639 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:244 Resp: 792456

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	8.9	7.9	11.9



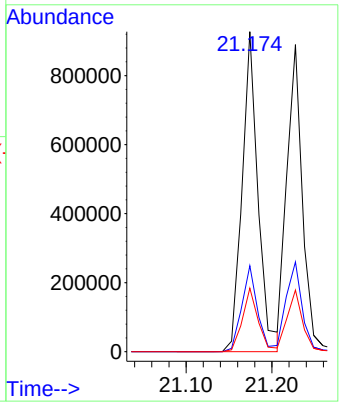


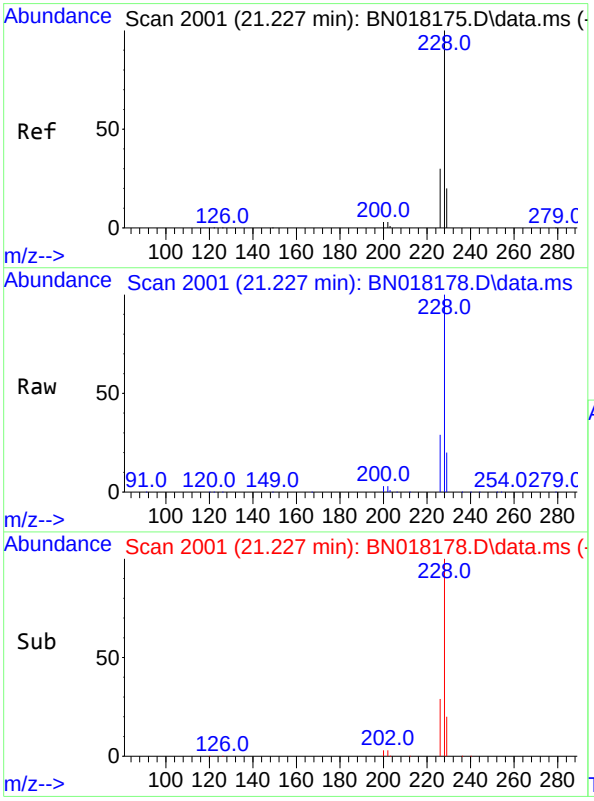
#32
Benzo(a)anthracene
Concen: 3.571 ng
RT: 21.174 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 1192332

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	19.8	15.9	23.9

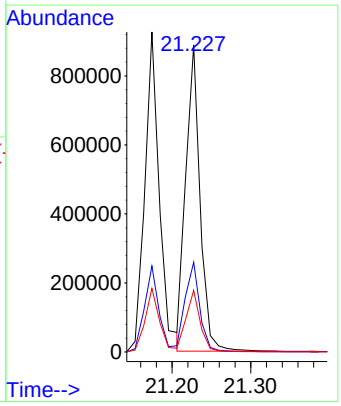


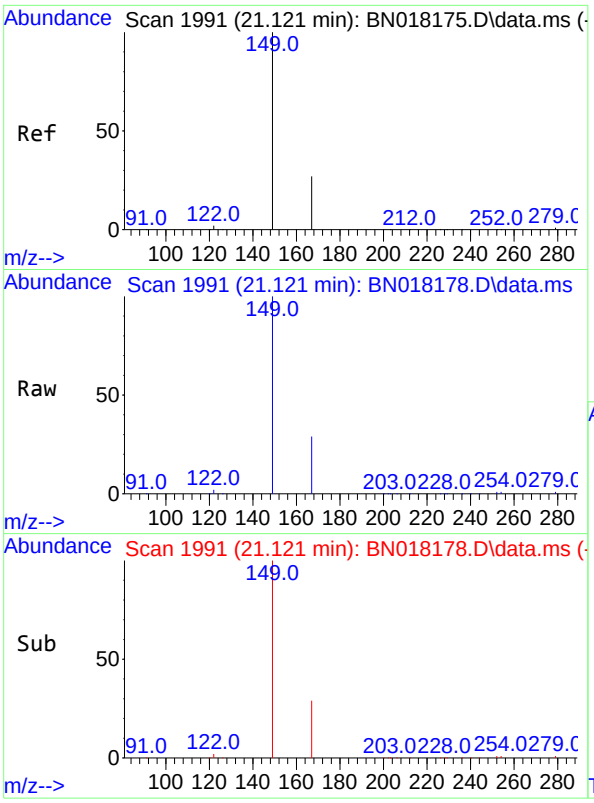


#33
Chrysene
Concen: 3.153 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:228 Resp: 1122238

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.4
229	20.1	15.5	23.3



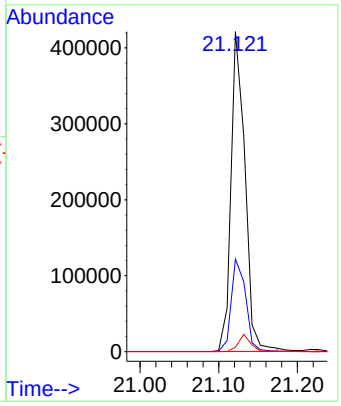


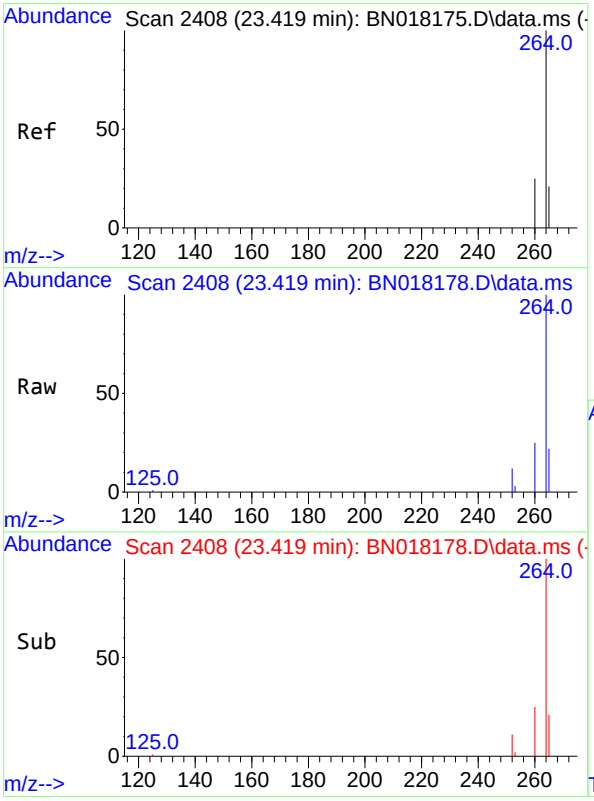
#34
Bis(2-ethylhexyl)phthalate
Concen: 3.177 ng
RT: 21.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:149 Resp: 520707

Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.7	35.5
279	4.8	3.6	5.4

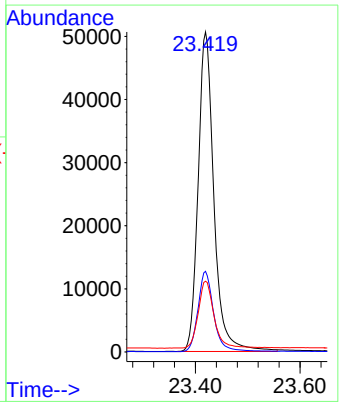


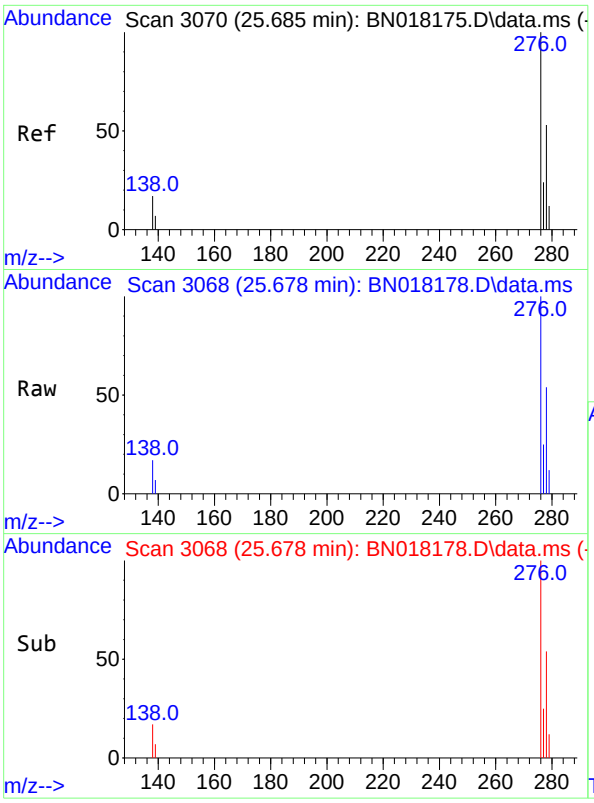


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.419 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:264 Resp: 105944

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.4
265	22.1	18.2	27.2



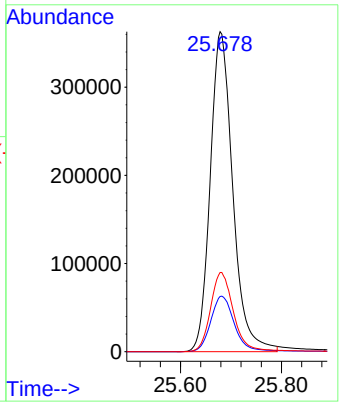


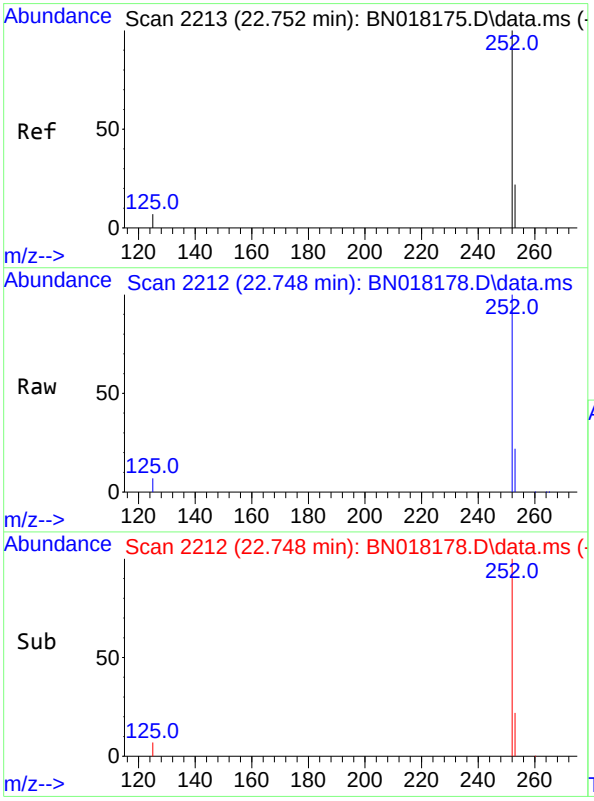
#36
Indeno(1,2,3-cd)pyrene
Concen: 3.175 ng
RT: 25.678 min Scan# 3
Delta R.T. -0.007 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 1125979

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.9	22.3
277	25.0	19.9	29.9

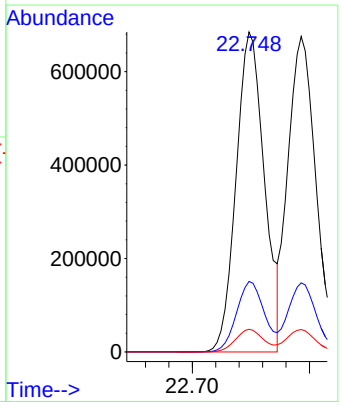


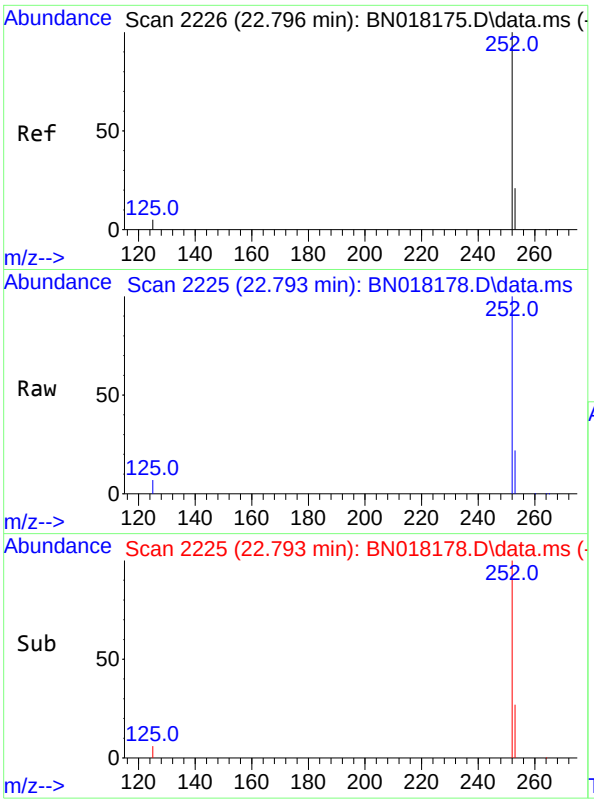


#37
Benzo(b)fluoranthene
Concen: 3.637 ng
RT: 22.748 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:252 Resp: 1144792

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	7.1	6.0	9.0



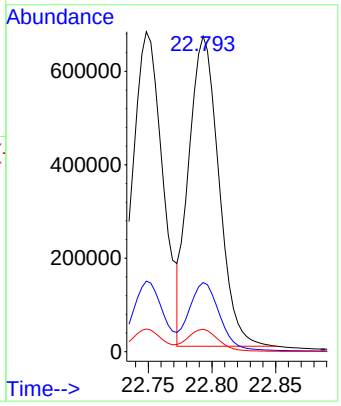


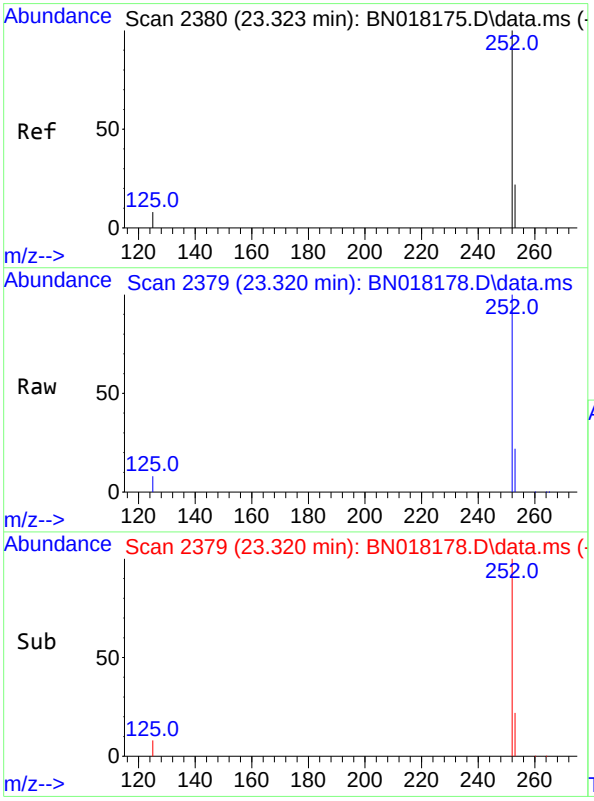
#38
Benzo(k)fluoranthene
Concen: 3.541 ng
RT: 22.793 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 1087487

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	7.1	6.2	9.2

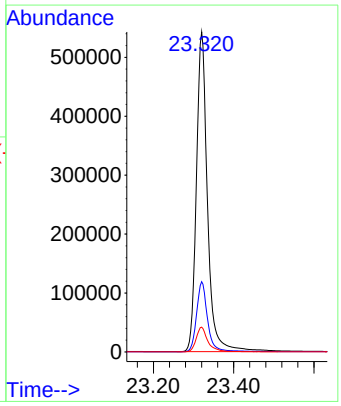


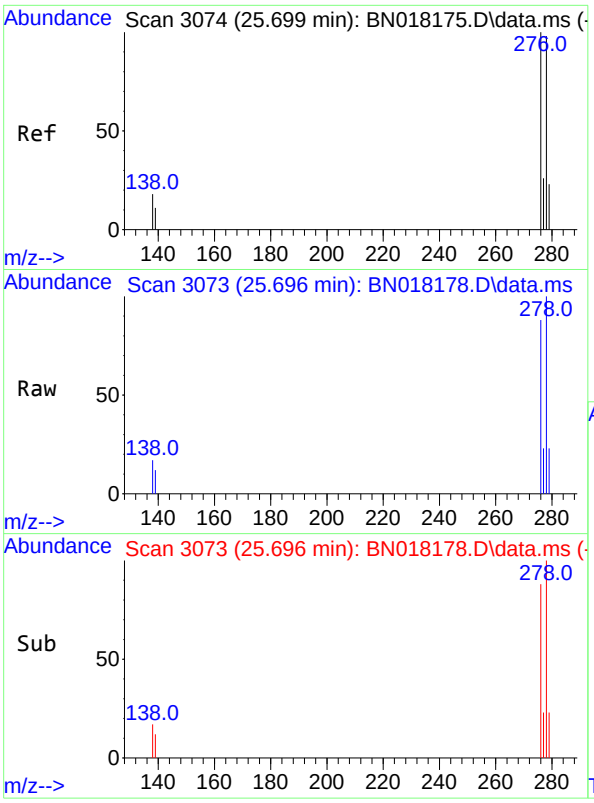


#39
Benzo(a)pyrene
Concen: 3.247 ng
RT: 23.320 min Scan# 2379
Delta R.T. -0.003 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:252 Resp: 1040764

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	7.7	7.0	10.4



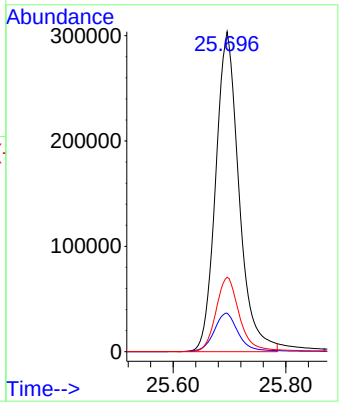


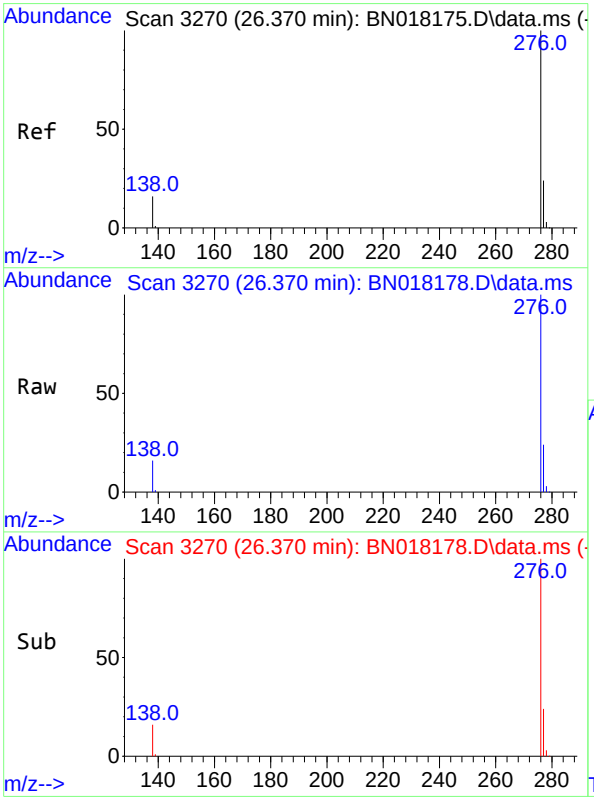
#40
Dibenzo(a,h)anthracene
Concen: 3.150 ng
RT: 25.696 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 871002

Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.8	16.2
279	23.3	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 3.012 ng
RT: 26.370 min Scan# 3270
Delta R.T. 0.000 min
Lab File: BN018178.D
Acq: 23 Dec 2021 12:33

Tgt Ion:276 Resp: 999502

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	15.7	12.6	19.0