Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033022\
Data File : BN019234.D
Acq On : 30 Mar 2022 09:07
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Mar 30 12:06:25 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:03:53 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	3883	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	9864	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	5558	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	11388	0.400	ng	0.00
29) Chrysene-d12	21.404	240	8145	0.400	ng	# 0.00
35) Perylene-d12	23.761	264	6418	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	1949	0.212	ng	0.00
5) Phenol-d6	6.995	99	1933	0.184	ng	0.00
8) Nitrobenzene-d5	8.993	82	1427	0.187	ng	0.00
11) 2-Methylnaphthalene-d10	12.231	152	2937	0.186	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	484	0.179	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	4678	0.200	ng	0.00
27) Fluoranthene-d10	19.249	212	6315	0.190	ng	0.00
31) Terphenyl-d14	19.843	244	3652	0.201	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	1177	0.228	ng	91
3) n-Nitrosodimethylamine	3.557	42	1378	0.239	ng	# 79
6) bis(2-Chloroethyl)ether	7.248	93	2078	0.183	ng	95
9) Naphthalene	10.690	128	5462	0.197	ng	97
10) Hexachlorobutadiene	10.979	225	1324	0.212	ng	# 100
12) 2-Methylnaphthalene	12.303	142	3441	0.188	ng	96
16) Acenaphthylene	14.196	152	4530	0.179	ng	100
17) Acenaphthene	14.538	154	3479	0.194	ng	99
18) Fluorene	15.522	166	4291	0.188	ng	100
20) 4,6-Dinitro-2-methylph...	15.607	198	255	0.137	ng	# 28
21) 4-Bromophenyl-phenylether	16.405	248	1407	0.190	ng	# 82
22) Hexachlorobenzene	16.528	284	1865	0.213	ng	100
23) Atrazine	16.672	200	970	0.189	ng	95
24) Pentachlorophenol	16.877	266	603	0.192	ng	99
25) Phenanthrene	17.256	178	6816	0.187	ng	99
26) Anthracene	17.349	178	5294	0.175	ng	99
28) Fluoranthene	19.278	202	8075	0.196	ng	99
30) Pyrene	19.641	202	8321	0.216	ng	99
32) Benzo(a)anthracene	21.387	228	5664	0.217	ng	97
33) Chrysene	21.440	228	7846	0.234	ng	98
34) Bis(2-ethylhexyl)phtha...	21.315	149	6208	0.390	ng	100
36) Indeno(1,2,3-cd)pyrene	26.202	276	5211	0.203	ng	98
37) Benzo(b)fluoranthene	23.045	252	8266	0.339	ng	# 83
38) Benzo(k)fluoranthene	23.092	252	10322	0.334	ng	# 88
39) Benzo(a)pyrene	23.659	252	5759	0.276	ng	# 55
40) Dibenzo(a,h)anthracene	26.223	278	3568	0.185	ng	# 72
41) Benzo(g,h,i)perylene	26.942	276	6303	0.239	ng	93

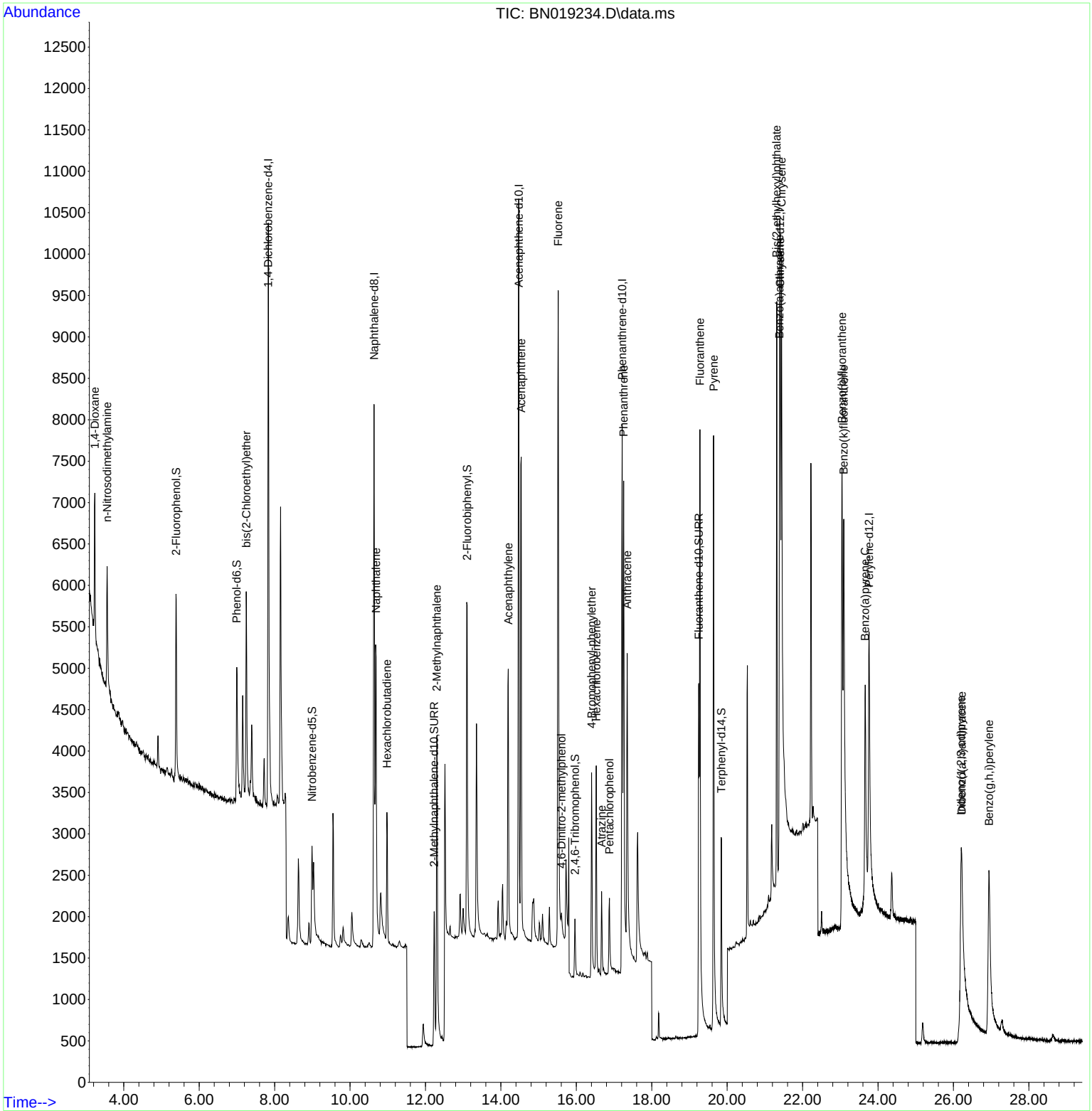
(#) = qualifier out of range (m) = manual integration (+) = signals summed

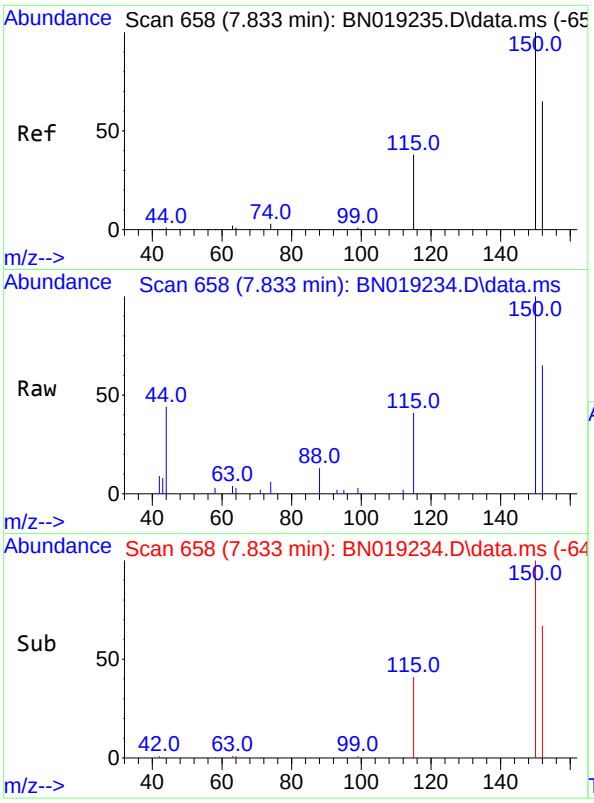
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033022\
Data File : BN019234.D
Acq On : 30 Mar 2022 09:07
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Mar 30 12:06:25 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:03:53 2022
Response via : Initial Calibration



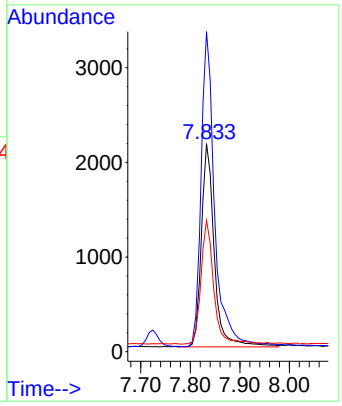


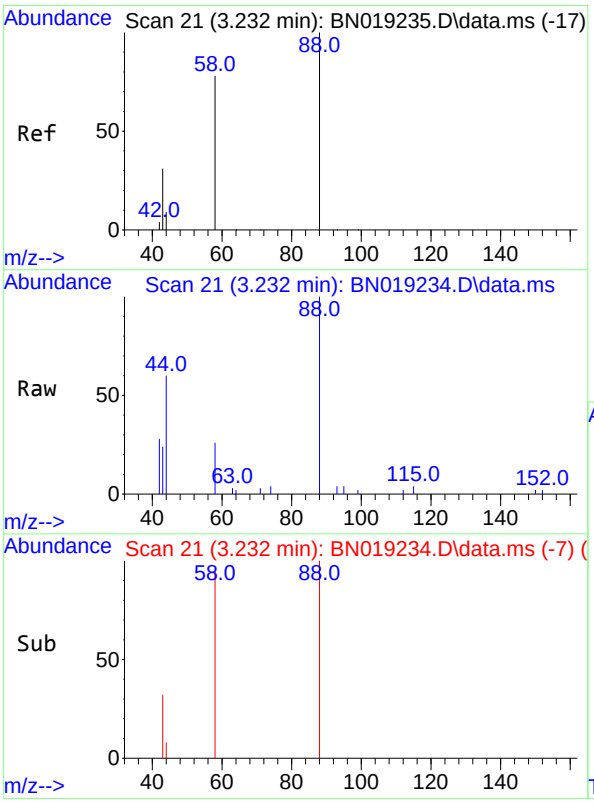
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 3883

Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.9	185.9
115	63.1	48.2	72.4

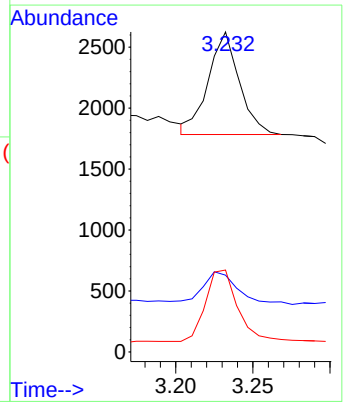


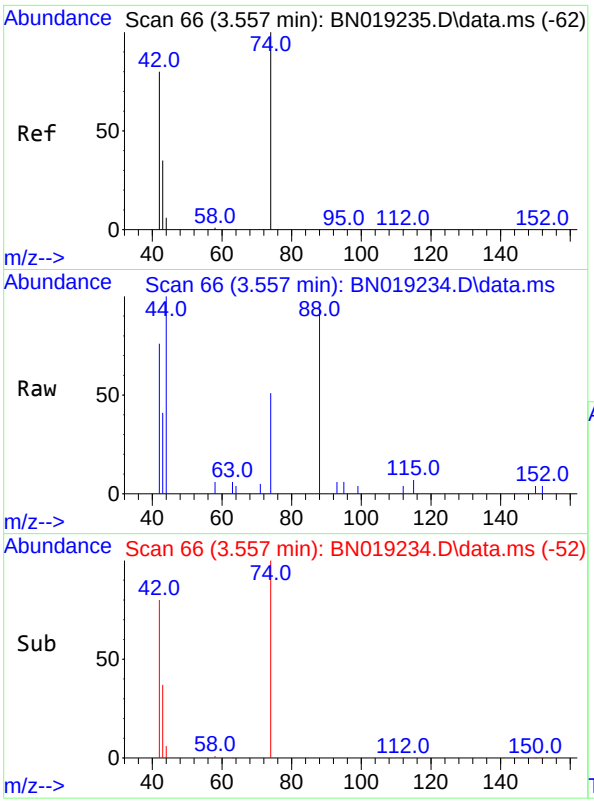


#2
1,4-Dioxane
Concen: 0.228 ng
RT: 3.232 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion: 88 Resp: 1177

Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.6	37.0
58	71.6	65.4	98.2



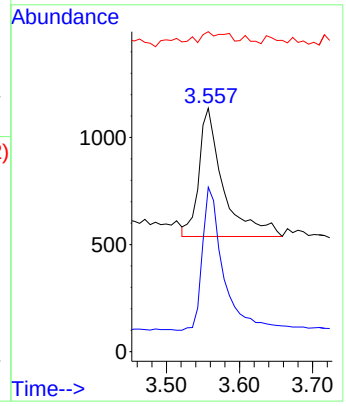


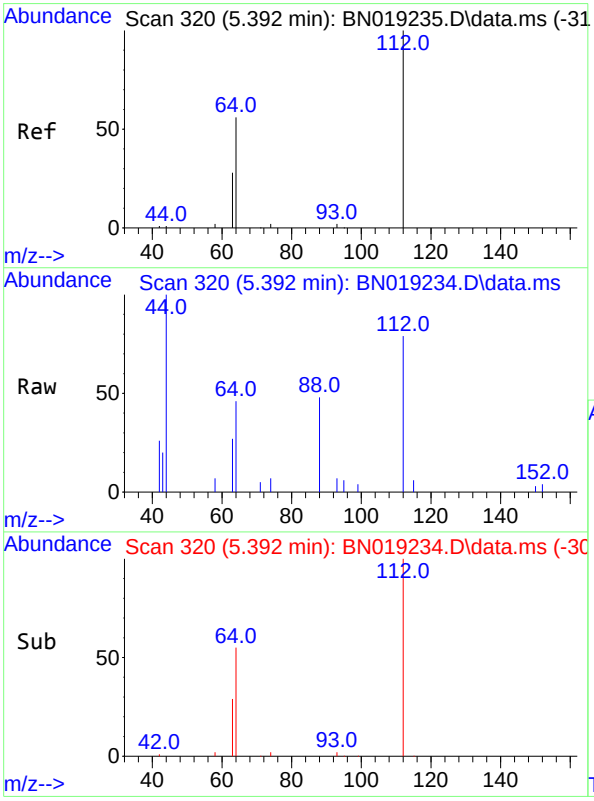
#3
n-Nitrosodimethylamine
Concen: 0.239 ng
RT: 3.557 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 1378

Ion	Ratio	Lower	Upper
42	100		
74	96.3	96.9	145.3#
44	10.4	7.3	10.9

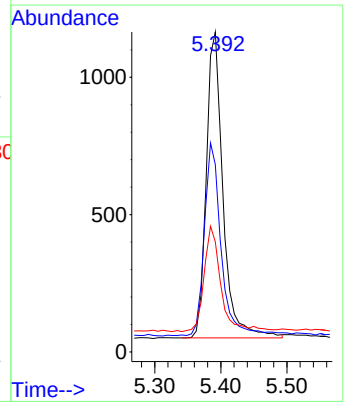


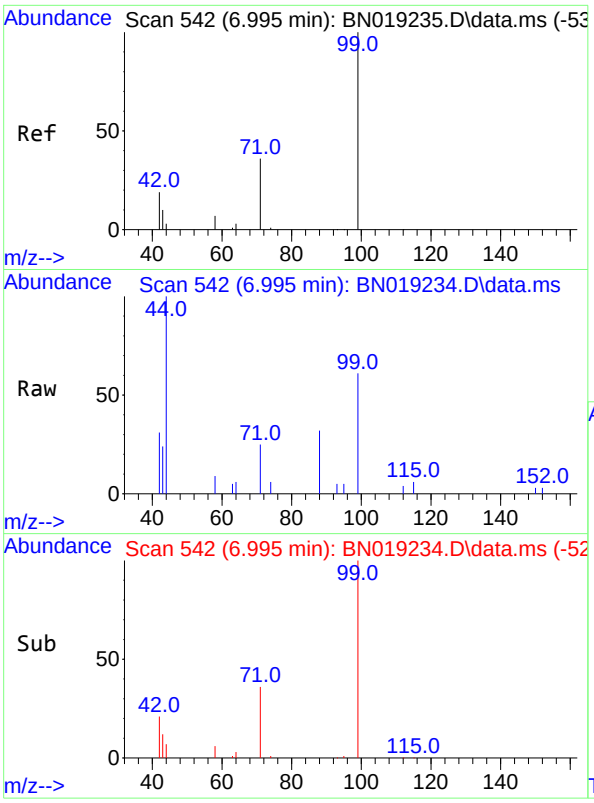


#4
2-Fluorophenol
Concen: 0.212 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:112 Resp: 1949

Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.8	71.8
63	34.9	25.7	38.5



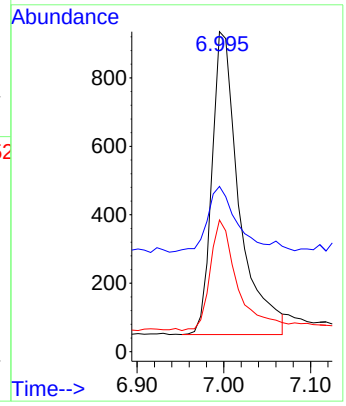


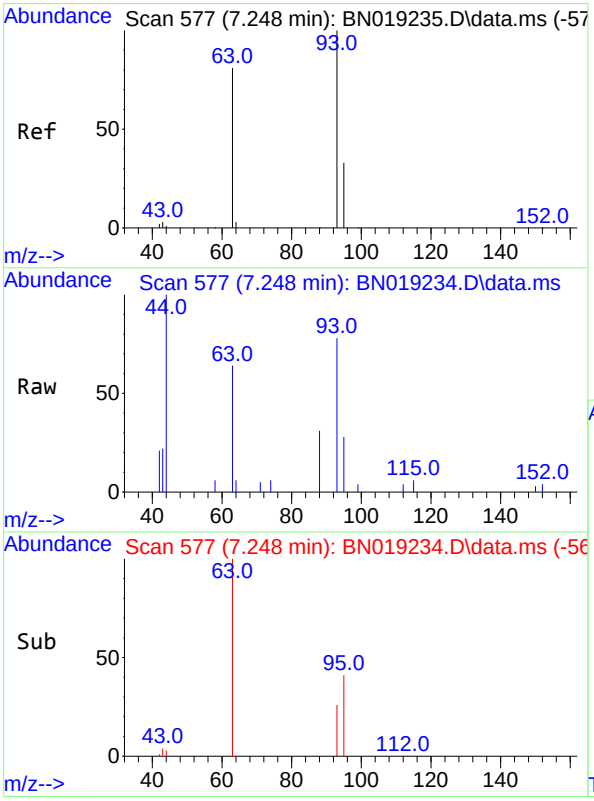
#5
Phenol-d6
Concen: 0.184 ng
RT: 6.995 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1933

Ion	Ratio	Lower	Upper
99	100		
42	24.4	16.2	24.4#
71	36.5	27.7	41.5

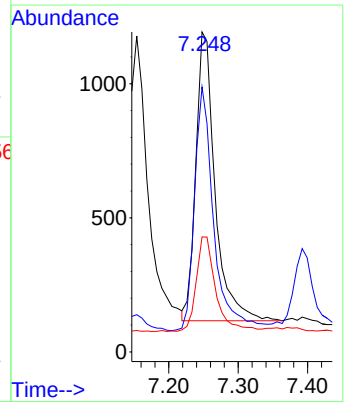


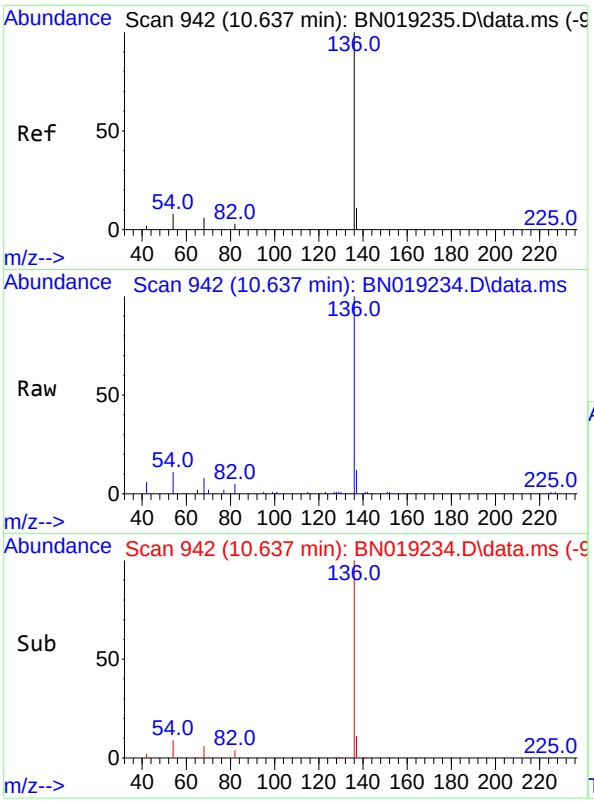


#6
bis(2-Chloroethyl)ether
Concen: 0.183 ng
RT: 7.248 min Scan# 577
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion: 93 Resp: 2078

Ion	Ratio	Lower	Upper
93	100		
63	84.8	62.8	94.2
95	33.4	26.2	39.4



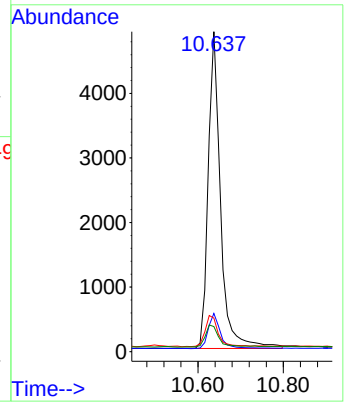


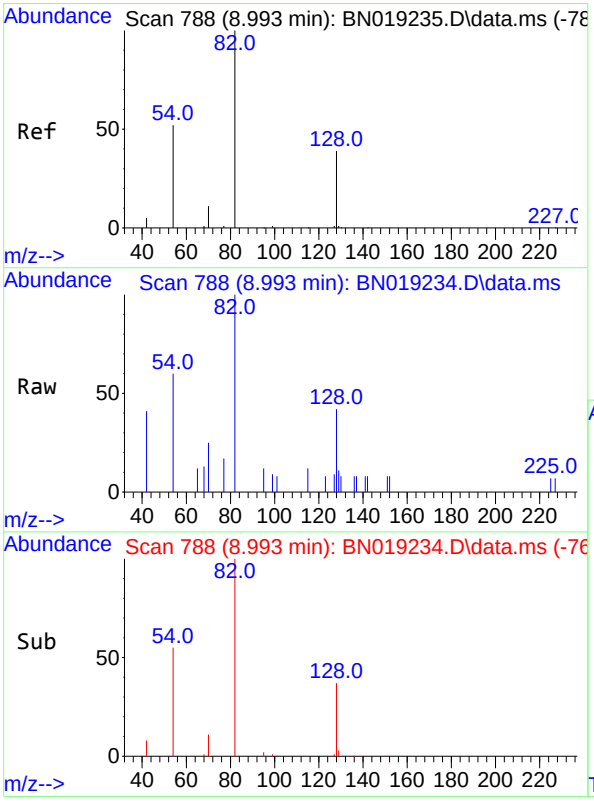
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 9864

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.4
54	10.5	5.8	8.6#
68	7.8	4.6	7.0#

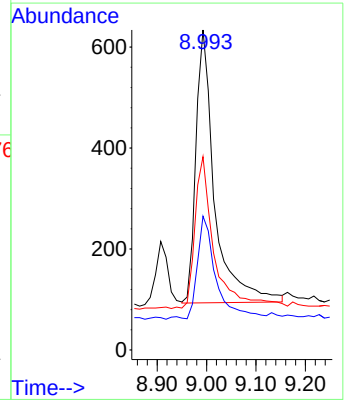


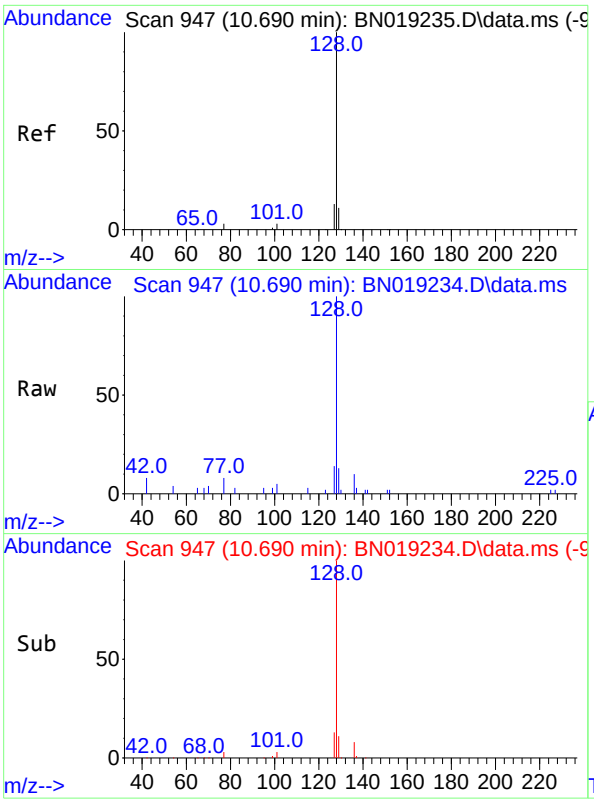


#8
Nitrobenzene-d5
Concen: 0.187 ng
RT: 8.993 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion: 82 Resp: 1427

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.0	49.6
54	60.4	42.5	63.7



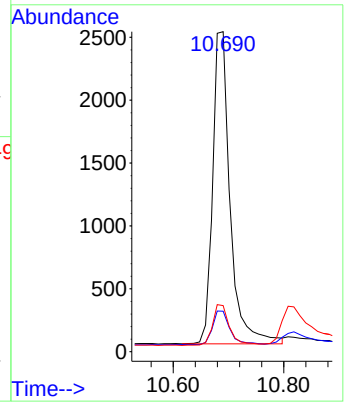


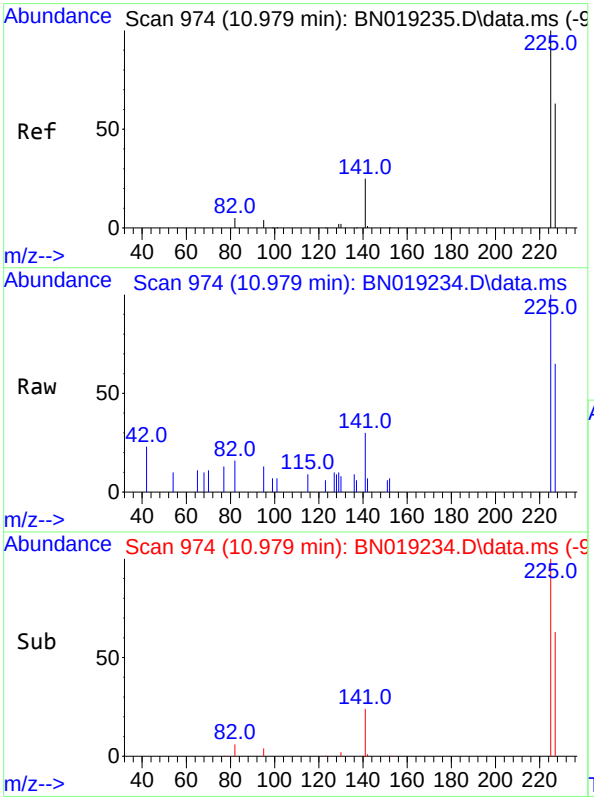
#9
Naphthalene
Concen: 0.197 ng
RT: 10.690 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 5462

Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.0	13.4
127	14.4	10.7	16.1

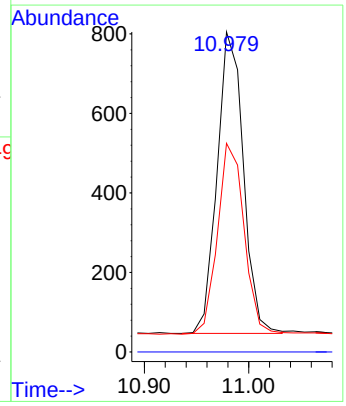


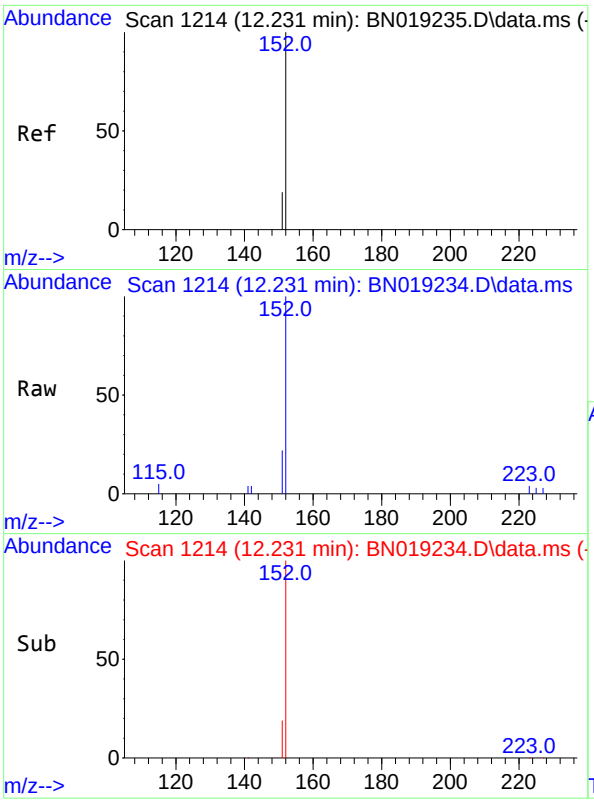


#10
Hexachlorobutadiene
Concen: 0.212 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:225 Resp: 1324

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.0	76.6



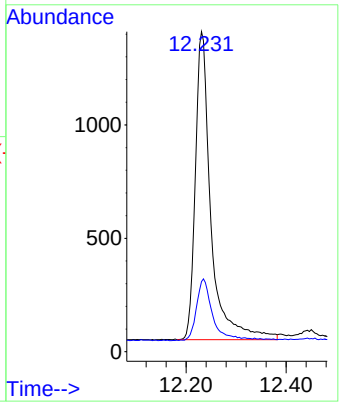


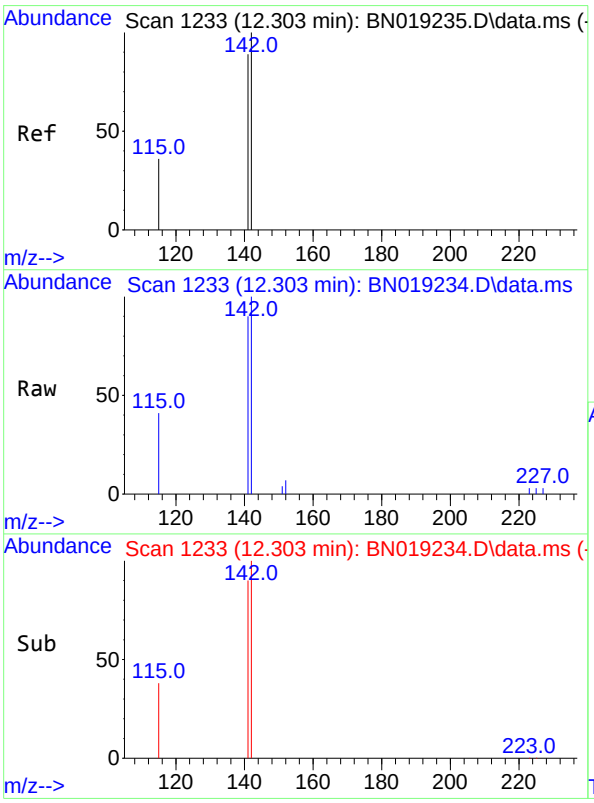
#11
2-Methylnaphthalene-d10
Concen: 0.186 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2937

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.5	24.7

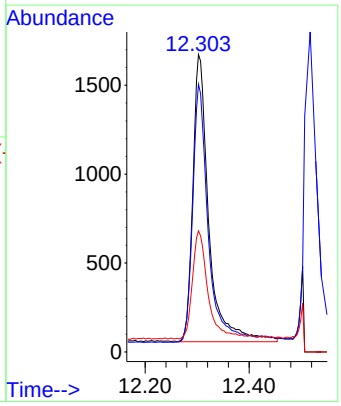


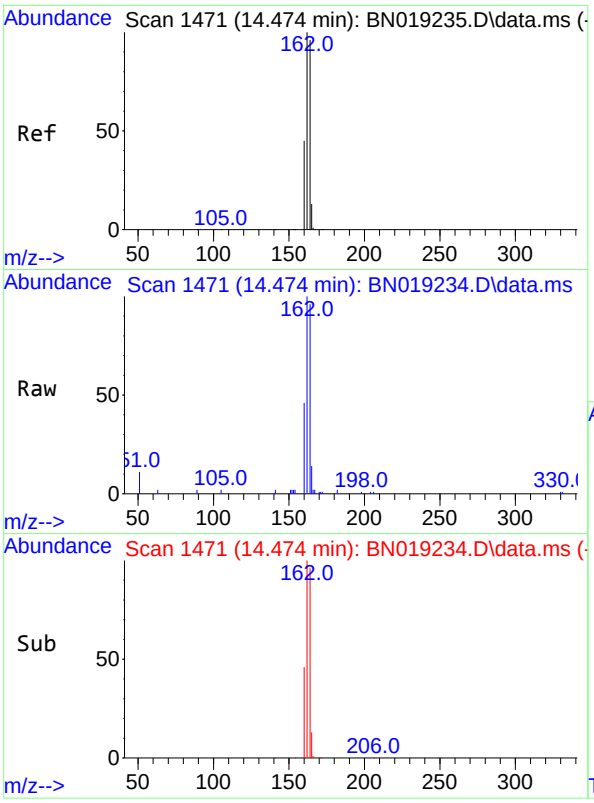


#12
2-Methylnaphthalene
Concen: 0.188 ng
RT: 12.303 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:142 Resp: 3441

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.0	105.0
115	40.7	29.8	44.8



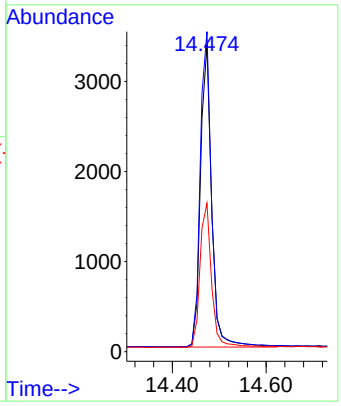


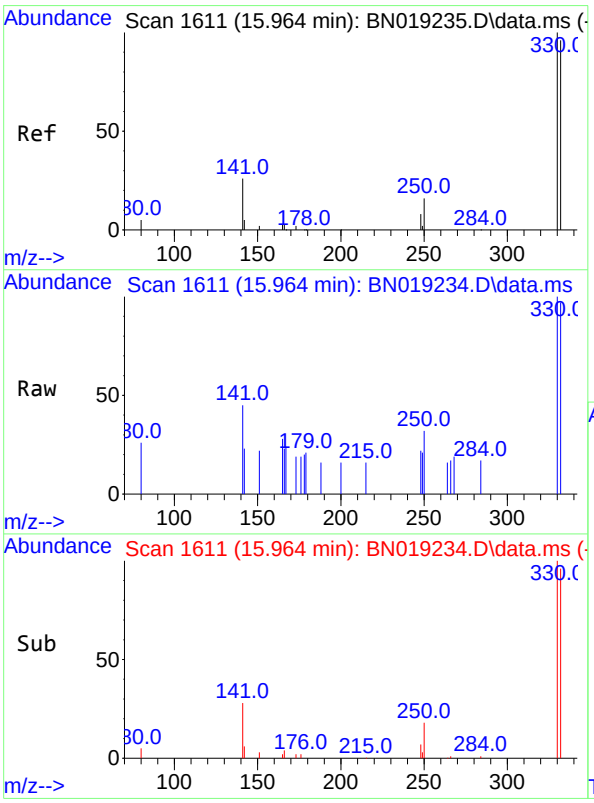
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 5558

Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.2	127.8
160	48.3	41.5	62.3

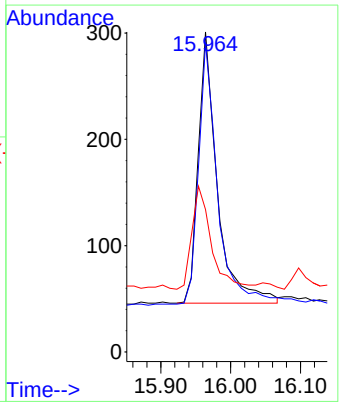


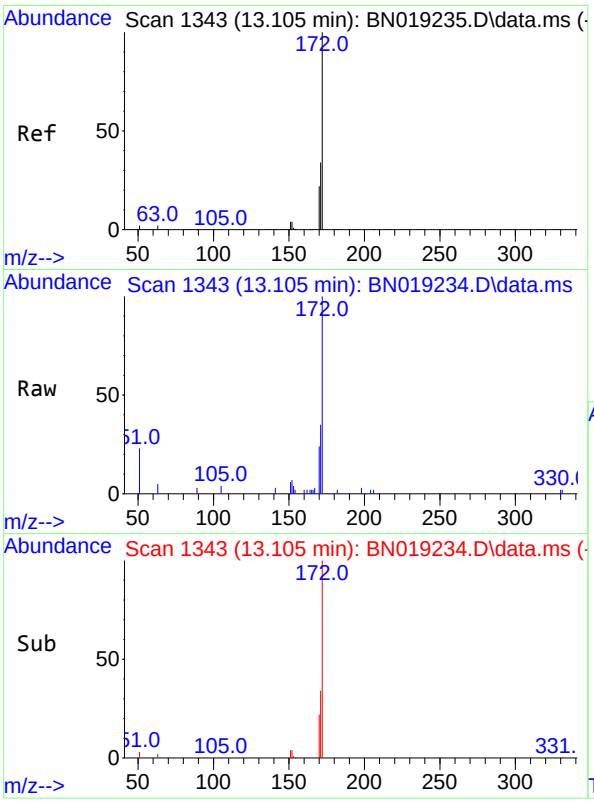


#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:330 Resp: 484

Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.8	115.2
141	38.6	32.2	48.2



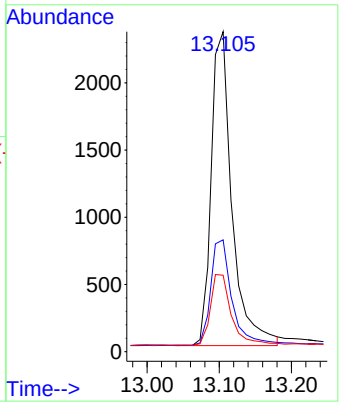


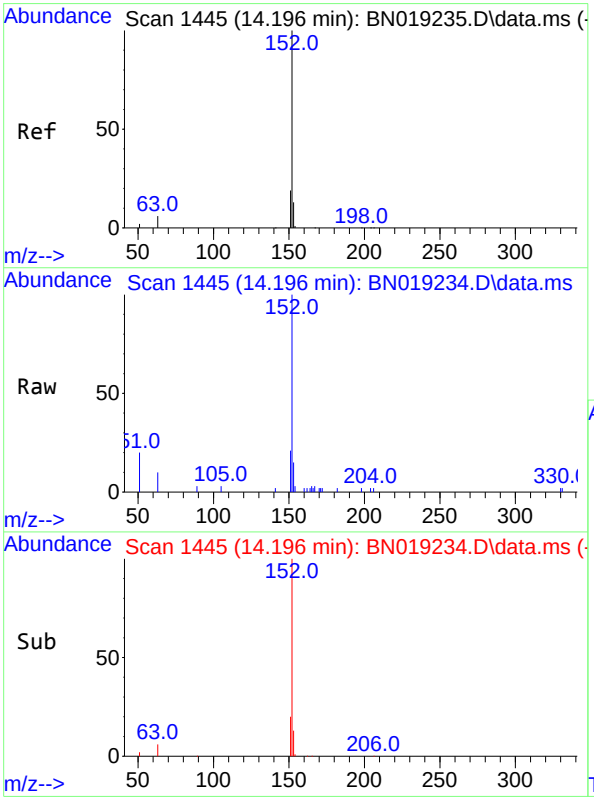
#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 13.105 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 4678

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	23.9	18.7	28.1

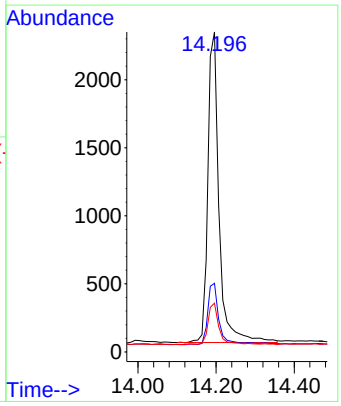


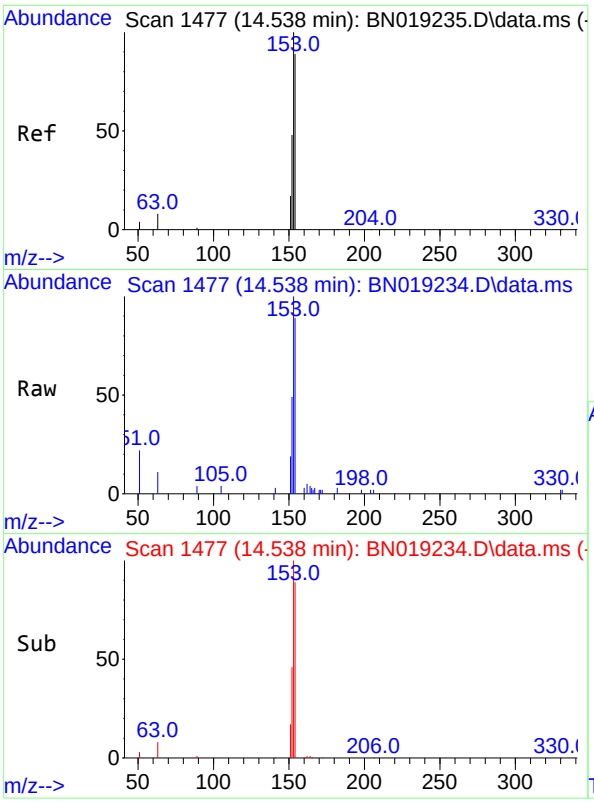


#16
Acenaphthylene
Concen: 0.179 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:152 Resp: 4530

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.4	10.6	15.8



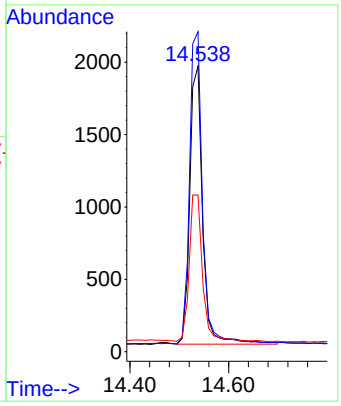


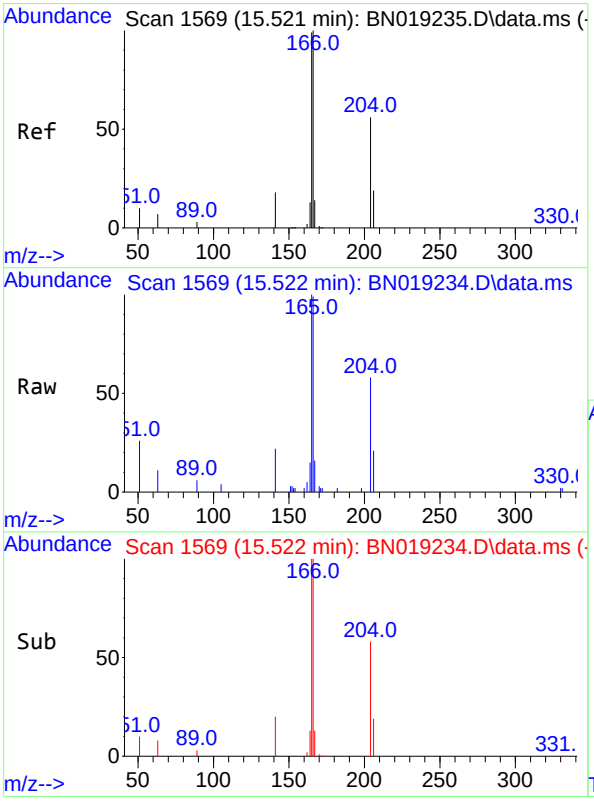
#17
Acenaphthene
Concen: 0.194 ng
RT: 14.538 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 3479

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.7	134.5
152	52.9	44.7	67.1

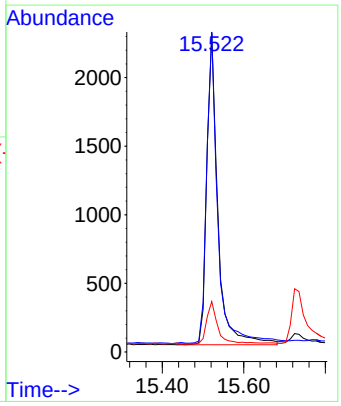


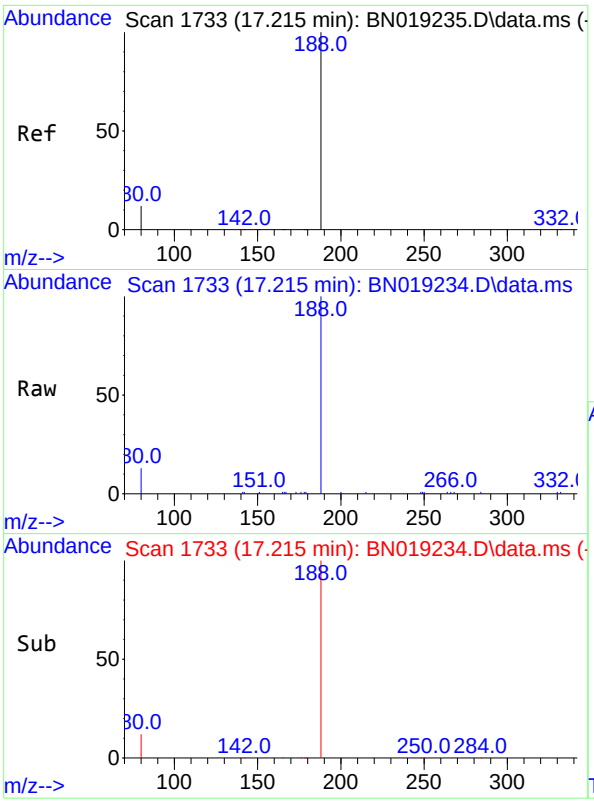


#18
Fluorene
Concen: 0.188 ng
RT: 15.522 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:166 Resp: 4291

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.2	118.8
167	13.8	10.7	16.1



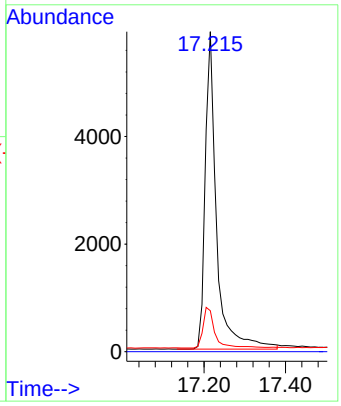


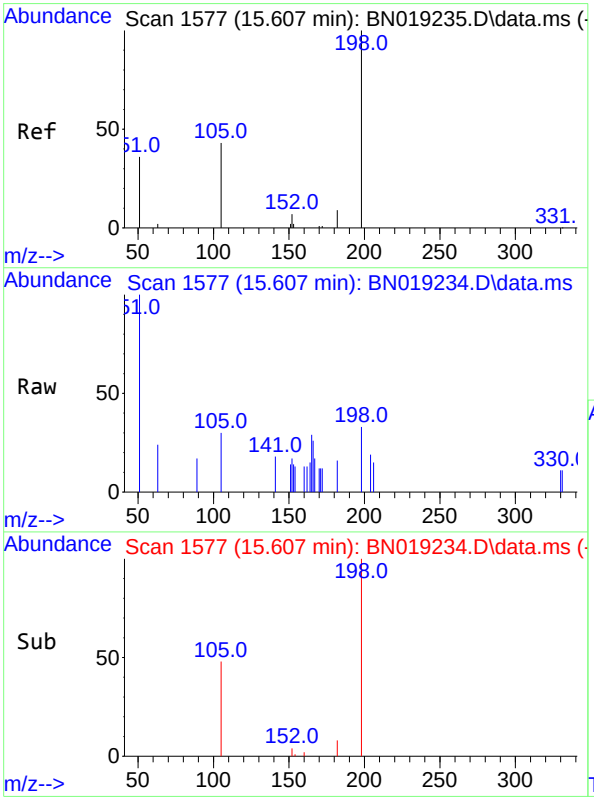
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 11388

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.8	11.8	17.8

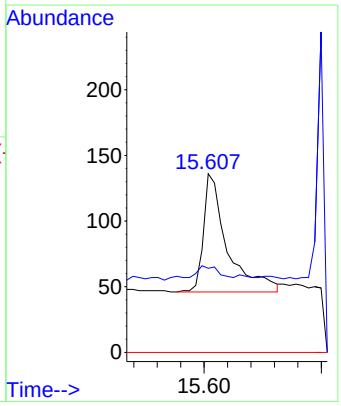


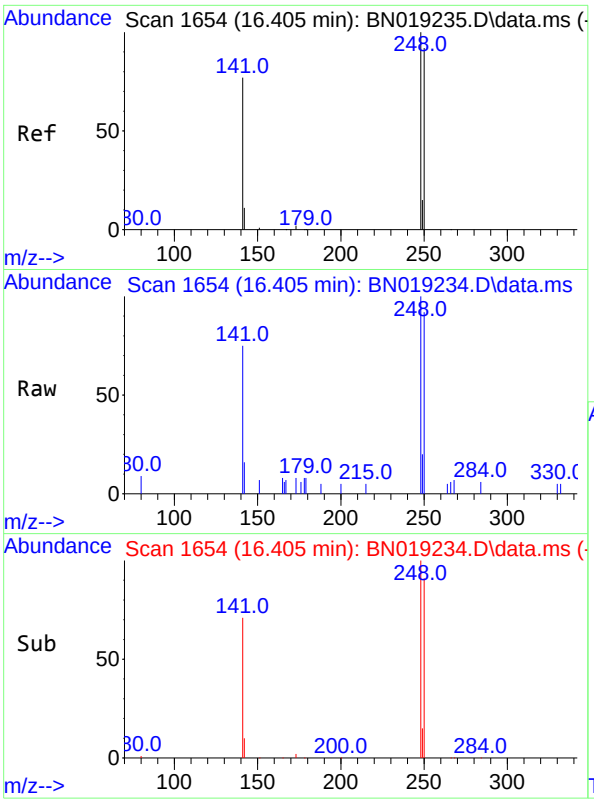


#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.607 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:198 Resp: 255

Ion	Ratio	Lower	Upper
198	100		
182	47.1	13.0	19.4#
77	0.0	0.0	0.0



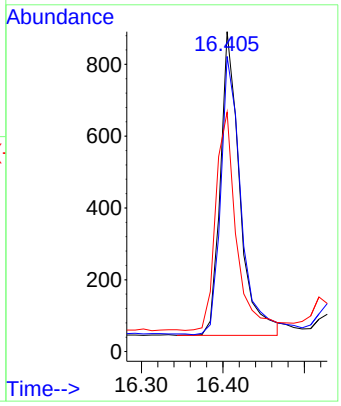


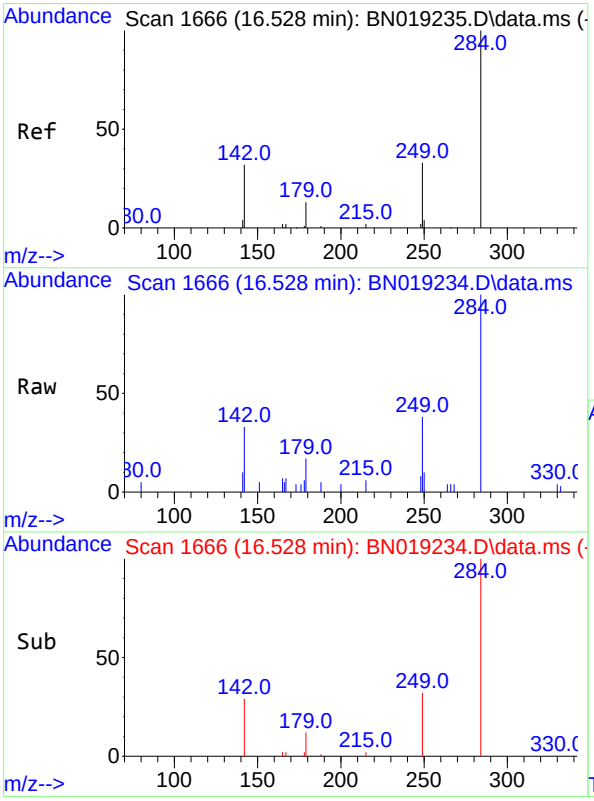
#21
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.405 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1407

Ion	Ratio	Lower	Upper
248	100		
250	92.3	80.7	121.1
141	74.9	39.6	59.4#

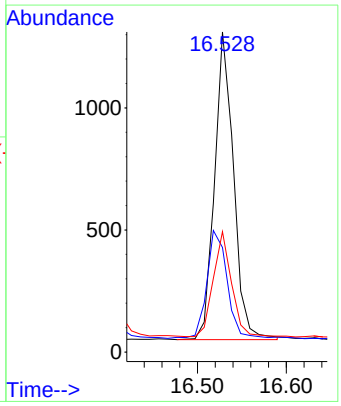


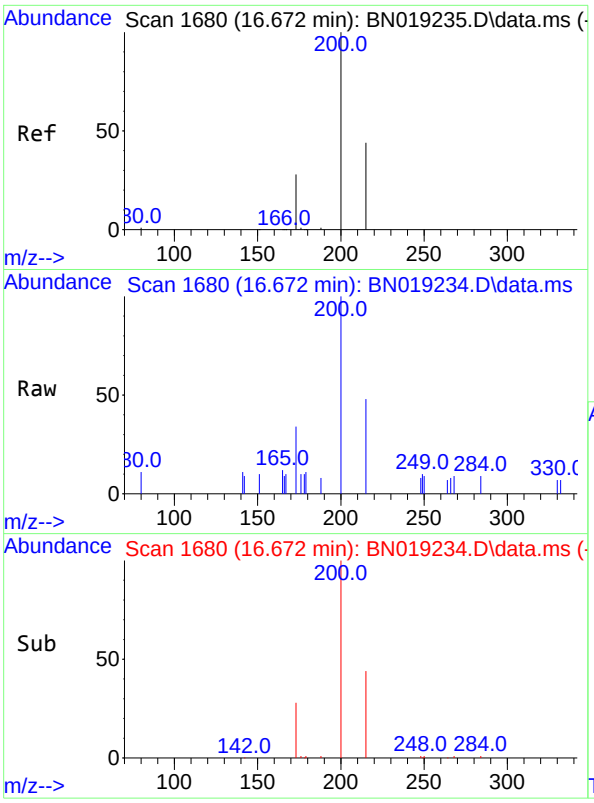


#22
Hexachlorobenzene
Concen: 0.213 ng
RT: 16.528 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:284 Resp: 1865

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.8	44.8
249	32.9	26.2	39.2



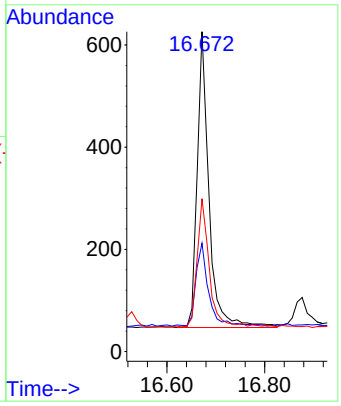


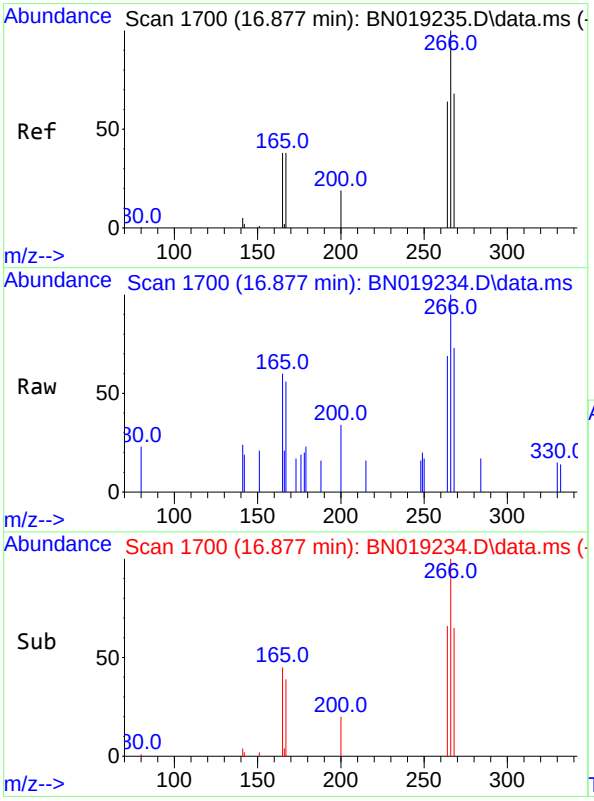
#23
Atrazine
Concen: 0.189 ng
RT: 16.672 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 970

Ion	Ratio	Lower	Upper
200	100		
173	33.9	23.9	35.9
215	47.8	36.6	54.8

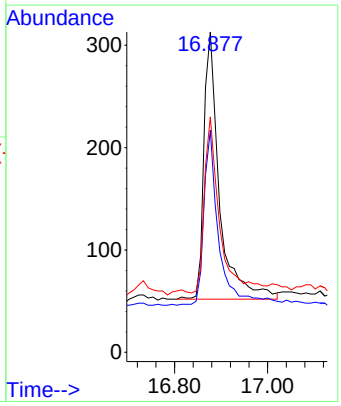


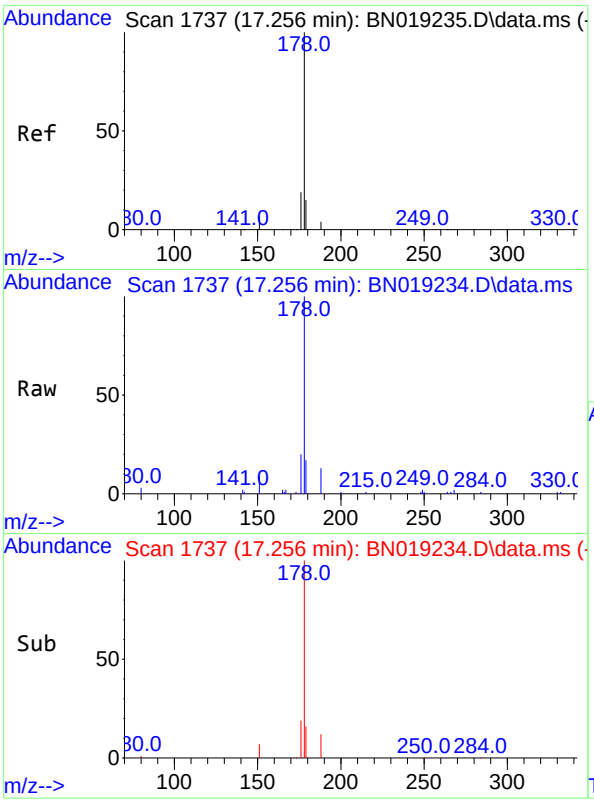


#24
Pentachlorophenol
Concen: 0.192 ng
RT: 16.877 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:266 Resp: 603

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.2	75.4
268	64.3	51.9	77.9



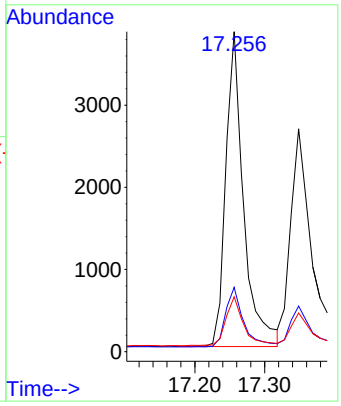


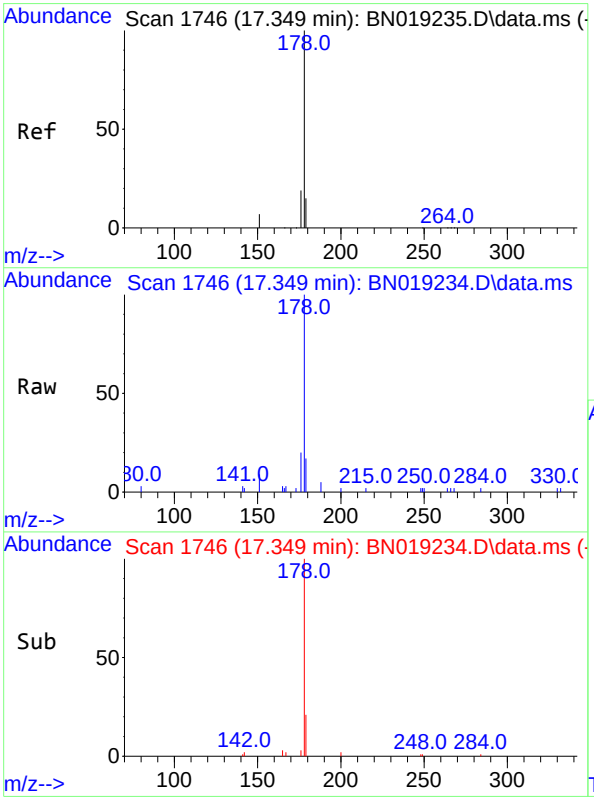
#25
Phenanthrene
Concen: 0.187 ng
RT: 17.256 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 6816

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.9	12.2	18.2

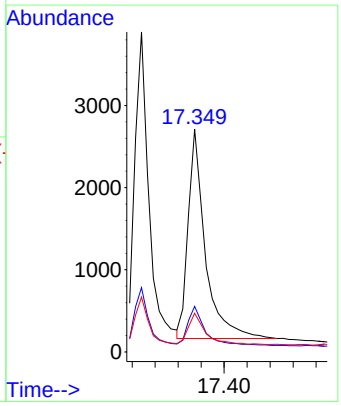


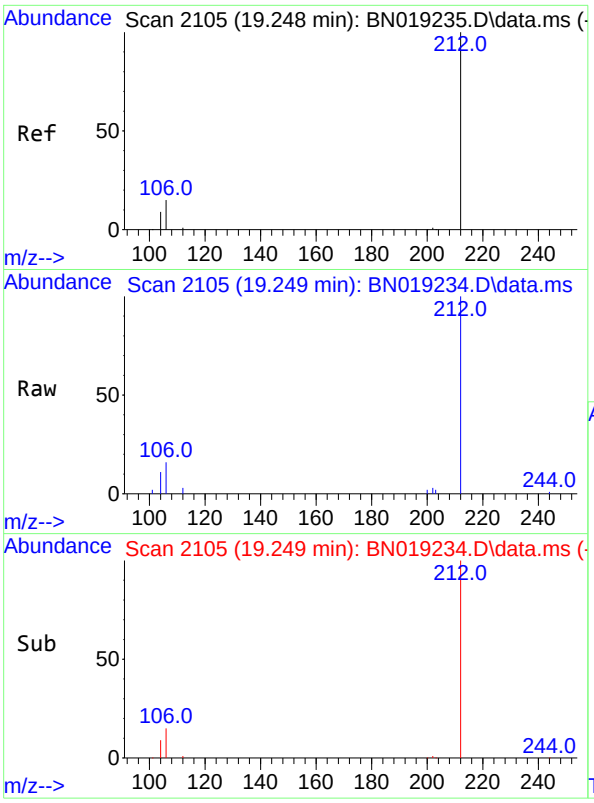


#26
Anthracene
Concen: 0.175 ng
RT: 17.349 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:178 Resp: 5294

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	14.9	12.2	18.4



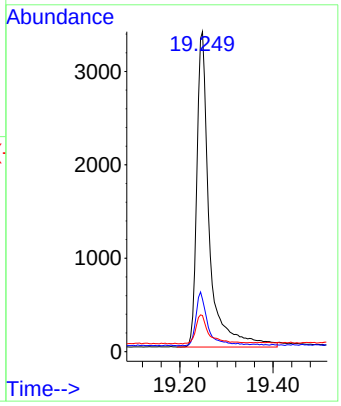


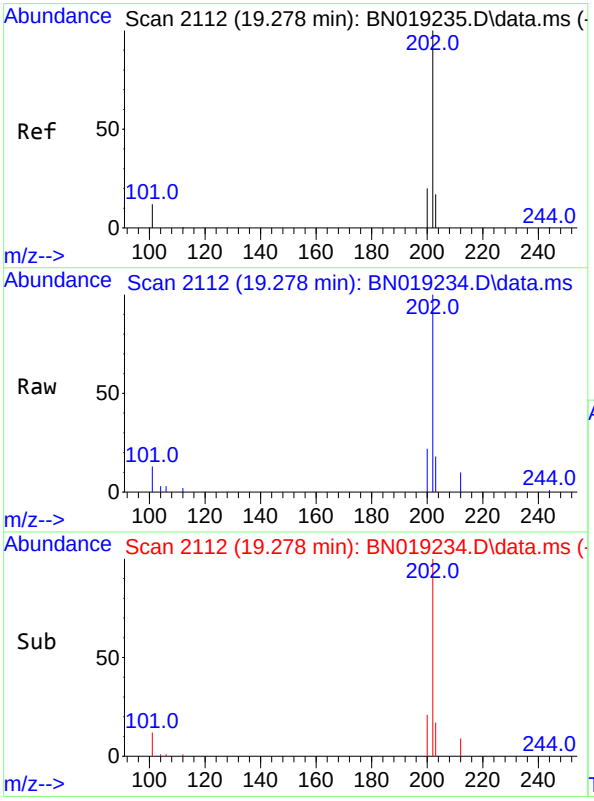
#27
Fluoranthene-d10
Concen: 0.190 ng
RT: 19.249 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 6315

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.7	19.1
104	10.0	7.1	10.7

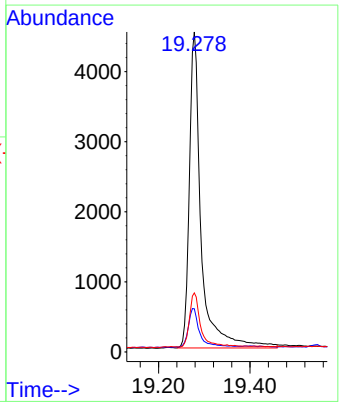


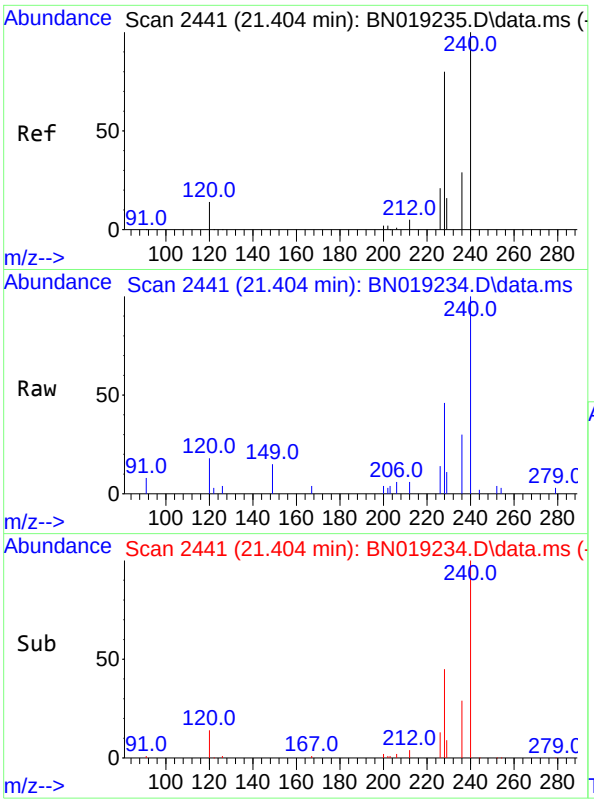


#28
Fluoranthene
Concen: 0.196 ng
RT: 19.278 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:202 Resp: 8075

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.6
203	16.4	13.7	20.5



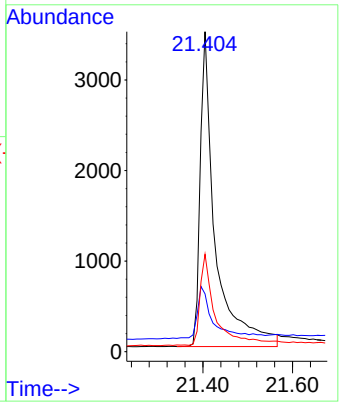


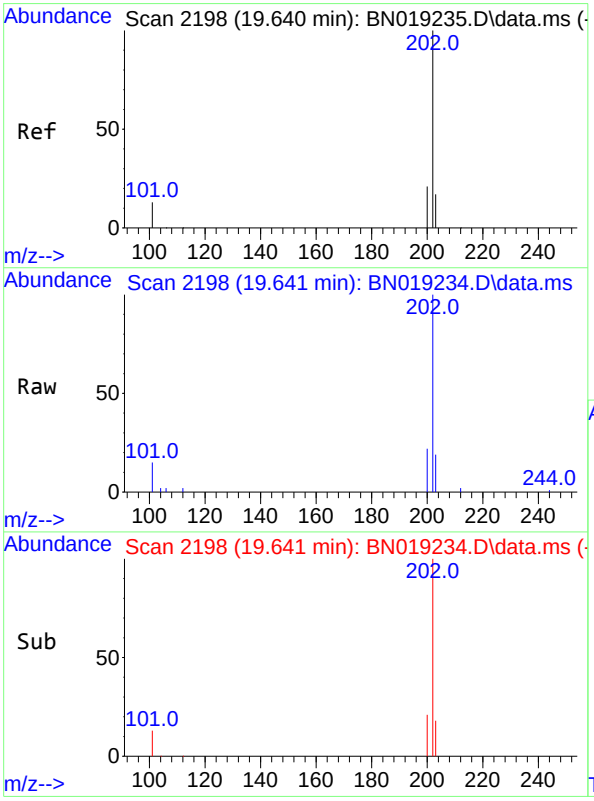
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 8145

Ion	Ratio	Lower	Upper
240	100		
120	18.0	8.5	12.7#
236	30.5	22.4	33.6

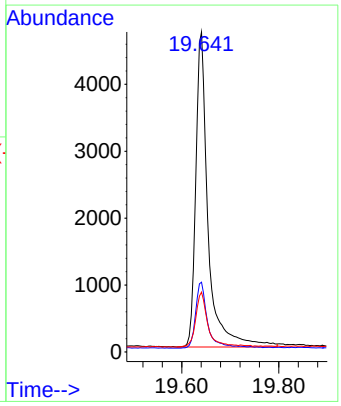


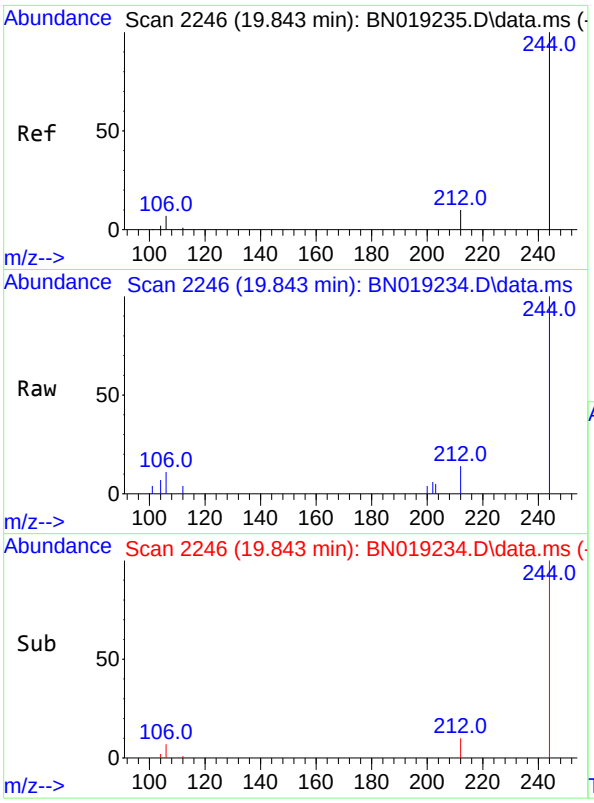


#30
Pyrene
Concen: 0.216 ng
RT: 19.641 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:202 Resp: 8321

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.1	14.2	21.2



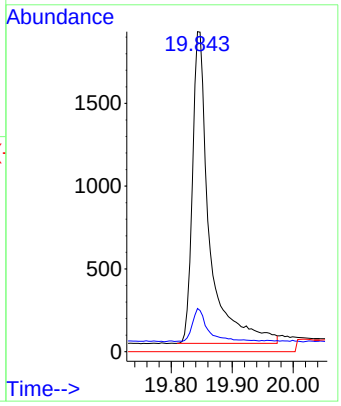


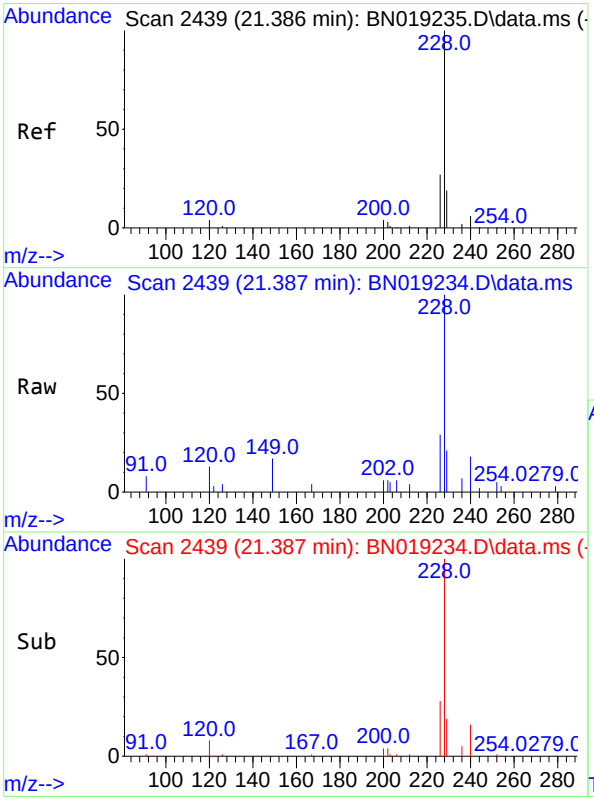
#31
Terphenyl-d14
Concen: 0.201 ng
RT: 19.843 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 3652

Ion	Ratio	Lower	Upper
244	100		
212	13.5	8.2	12.4#
122	0.0	0.0	0.0

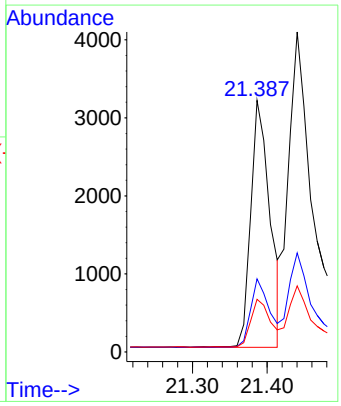


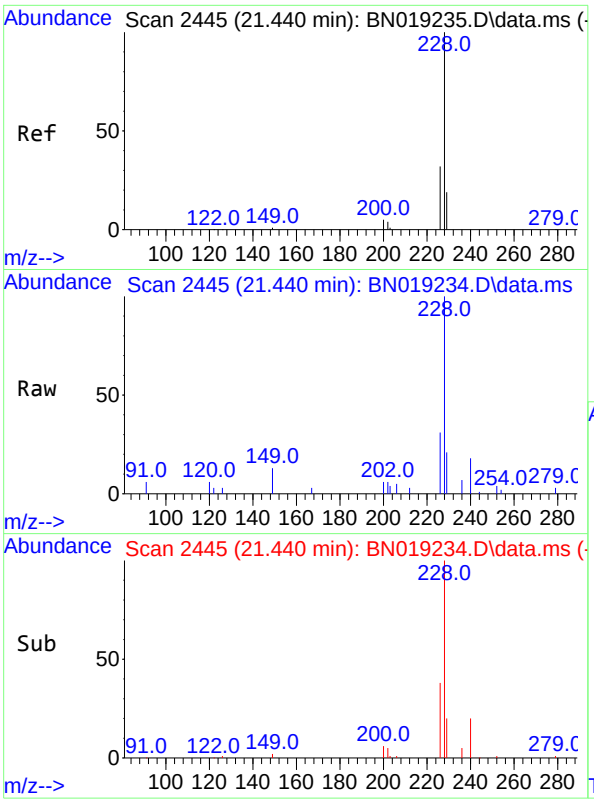


#32
Benzo(a)anthracene
Concen: 0.217 ng
RT: 21.387 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:228 Resp: 5664

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.9	32.9
229	20.9	16.0	24.0



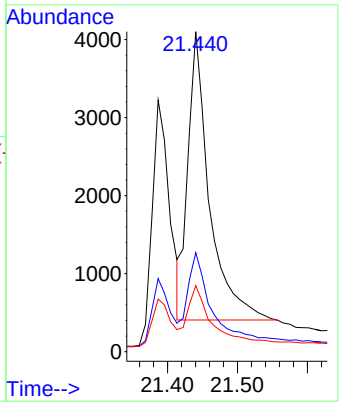


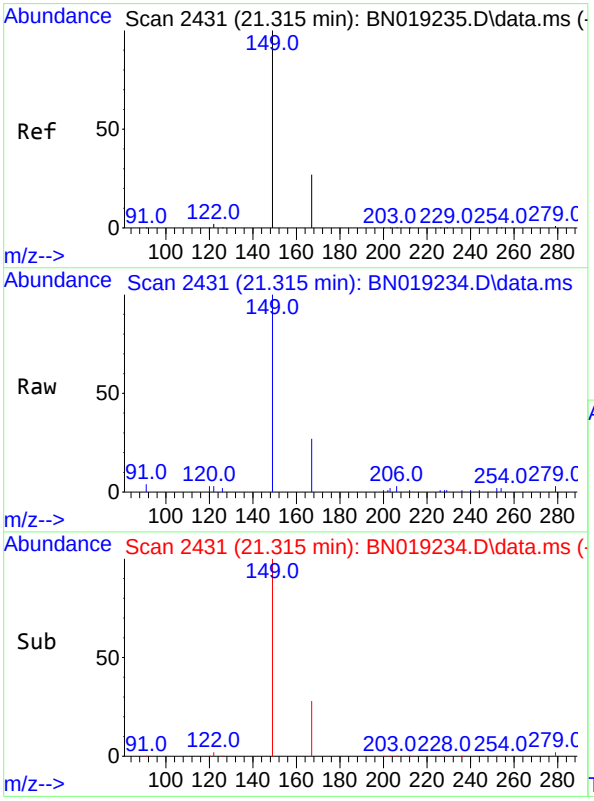
#33
Chrysene
Concen: 0.234 ng
RT: 21.440 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 7846

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	20.7	15.9	23.9

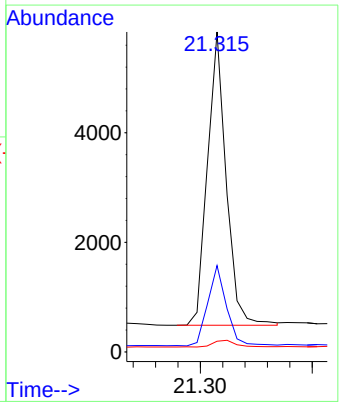


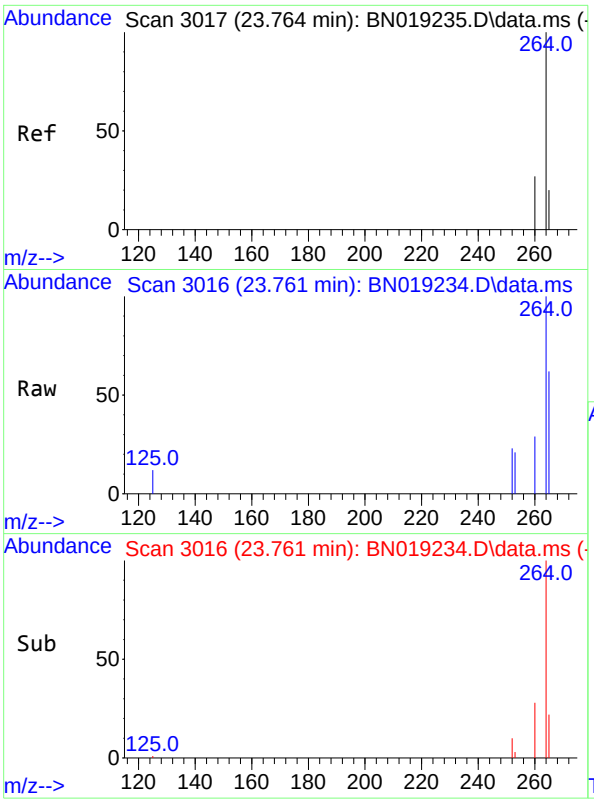


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.390 ng
RT: 21.315 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:149 Resp: 6208

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	3.0	2.0	3.0



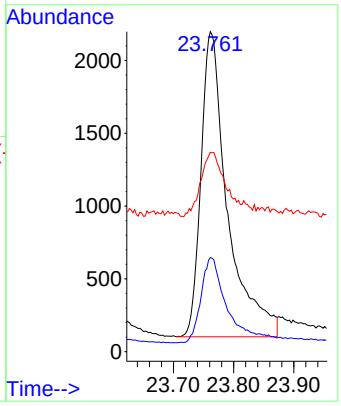


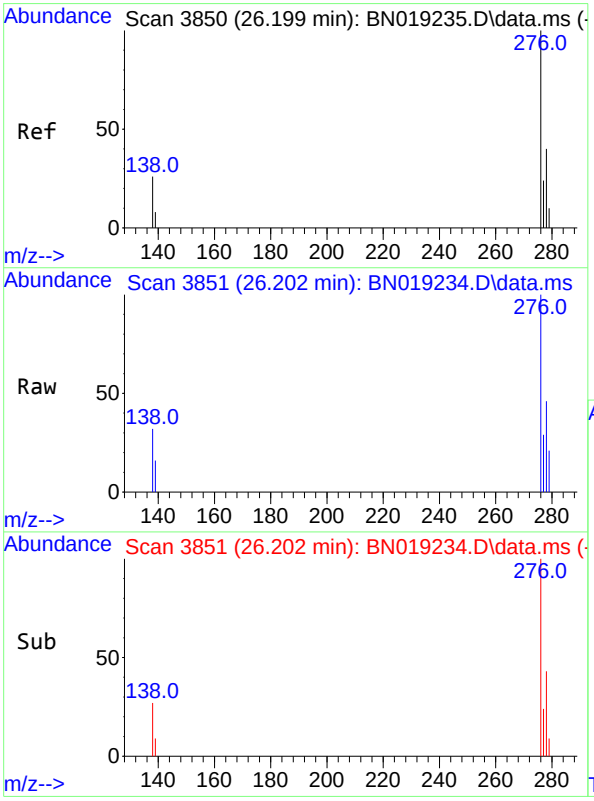
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.761 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 6418

Ion	Ratio	Lower	Upper
264	100		
260	29.4	22.4	33.6
265	62.3	25.3	37.9#

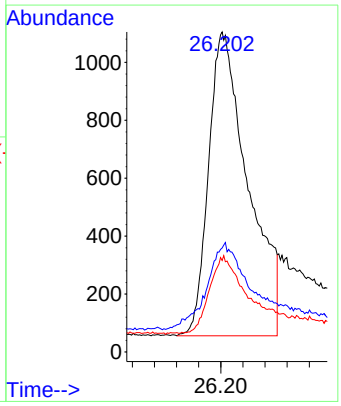


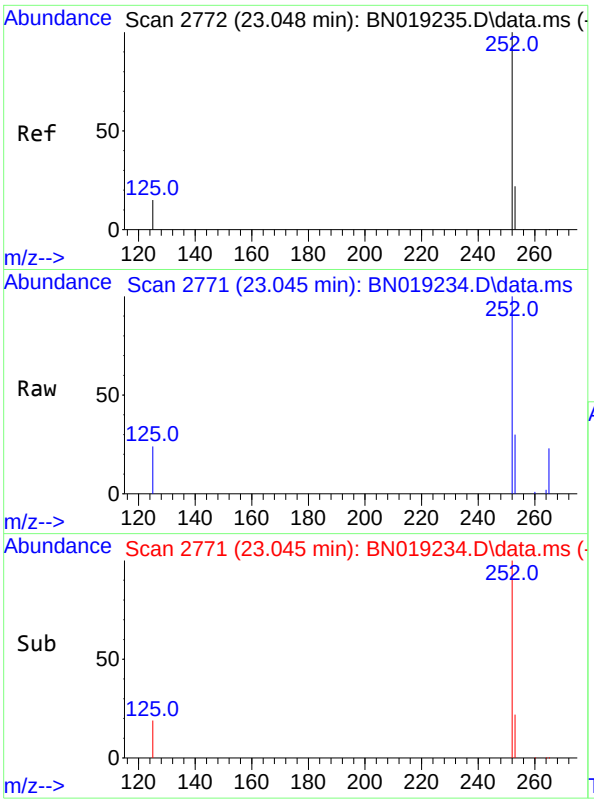


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.203 ng
RT: 26.202 min Scan# 3851
Delta R.T. 0.003 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:276 Resp: 5211

Ion	Ratio	Lower	Upper
276	100		
138	30.6	24.5	36.7
277	22.6	19.8	29.8



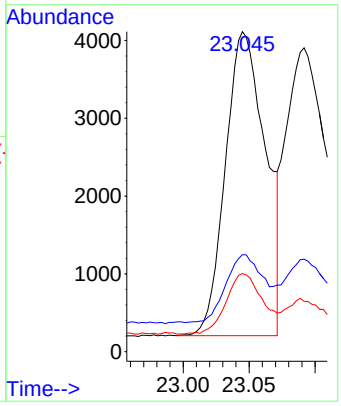


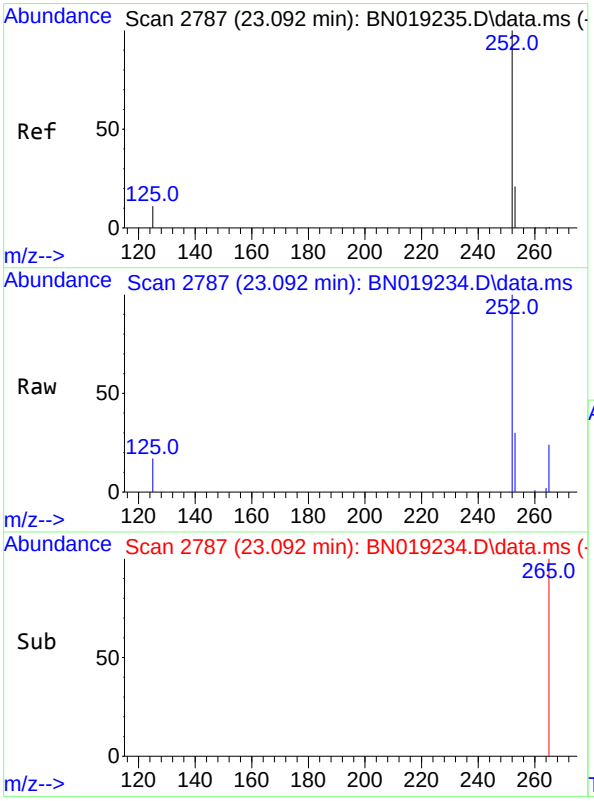
#37
Benzo(b)fluoranthene
Concen: 0.339 ng
RT: 23.045 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 8266

Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.9	28.3#
125	24.4	12.1	18.1#

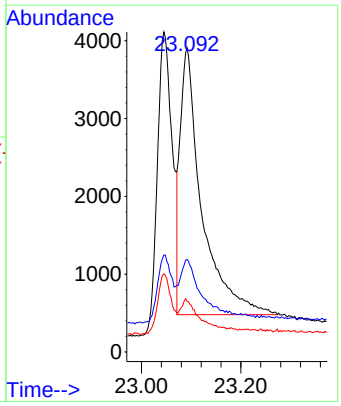


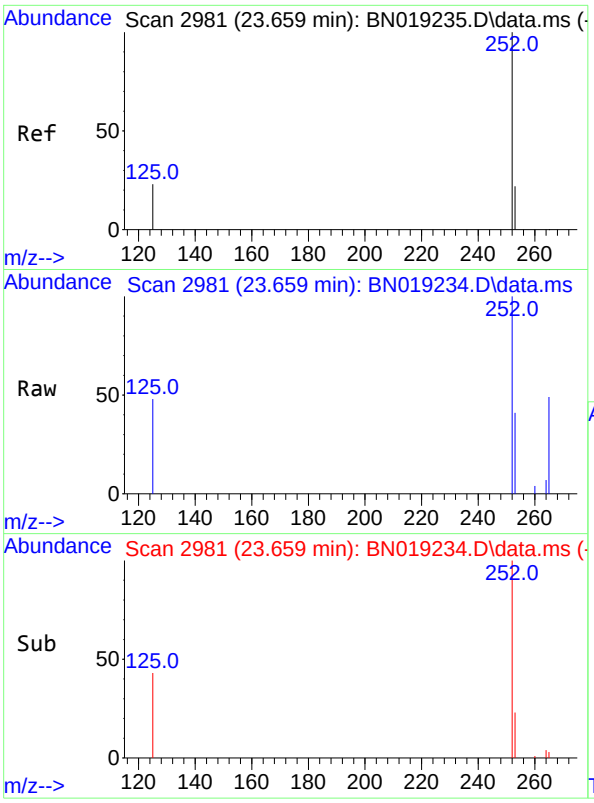


#38
Benzo(k)fluoranthene
Concen: 0.334 ng
RT: 23.092 min Scan# 2787
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:252 Resp: 10322

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.9	28.3#
125	16.6	10.3	15.5#



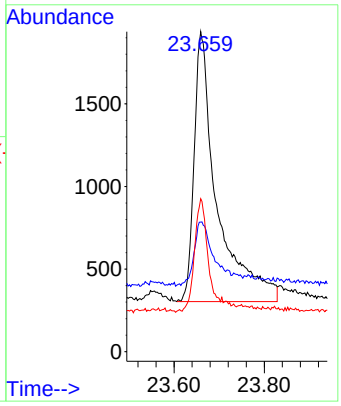


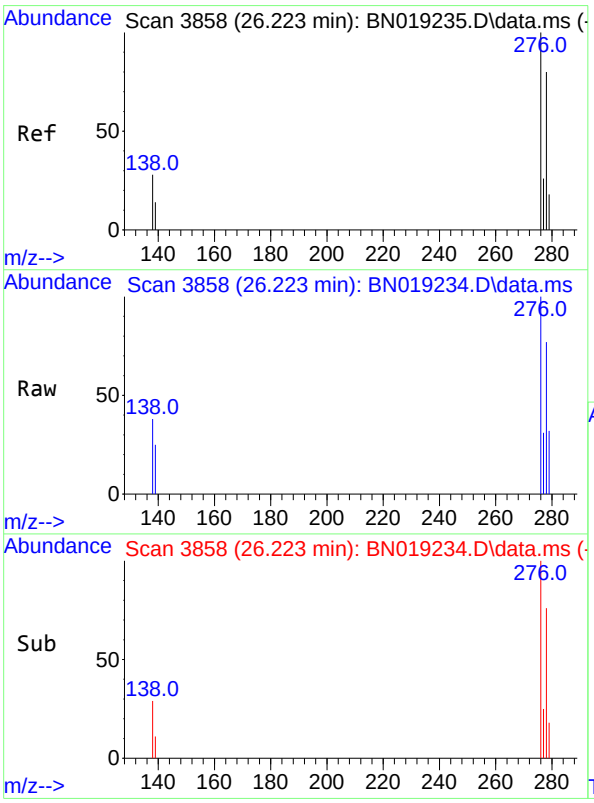
#39
Benzo(a)pyrene
Concen: 0.276 ng
RT: 23.659 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 5759

Ion	Ratio	Lower	Upper
252	100		
253	40.5	20.1	30.1#
125	47.8	15.2	22.8#

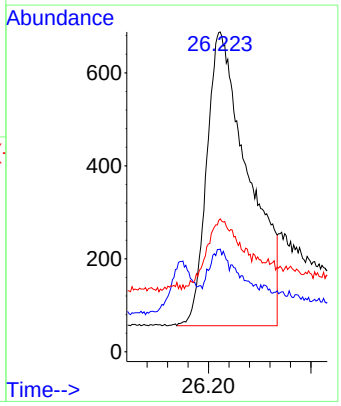


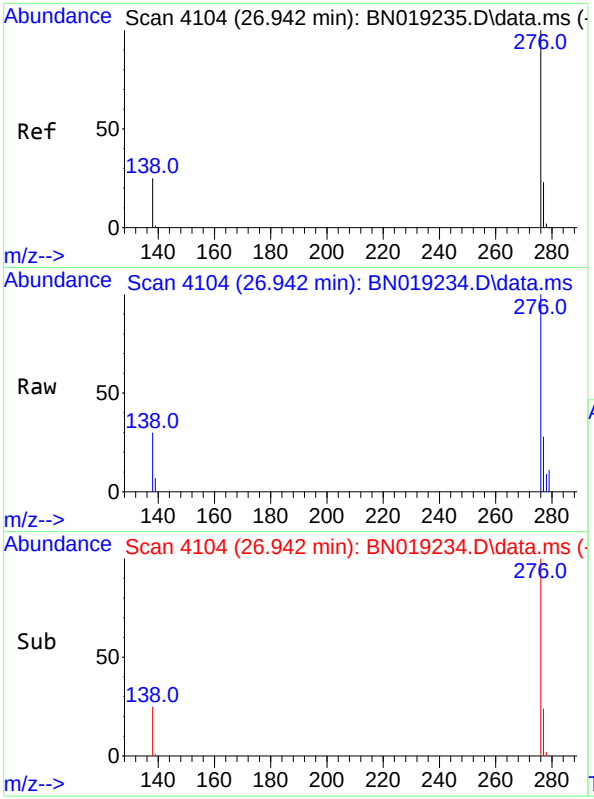


#40
Dibenzo(a,h)anthracene
Concen: 0.185 ng
RT: 26.223 min Scan# 3858
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Tgt Ion:278 Resp: 3568

Ion	Ratio	Lower	Upper
278	100		
139	32.1	17.2	25.8#
279	41.6	19.9	29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.239 ng
RT: 26.942 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN019234.D
Acq: 30 Mar 2022 09:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 6303

Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	30.1	21.0	31.6