Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
Data File : BN019251.D
Acq On : 31 Mar 2022 11:04
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Mar 31 12:18:09 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 12:15:51 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	5960	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	15346	0.400	ng		# 0.00
13) Acenaphthene-d10	14.474	164	9472	0.400	ng		0.00
19) Phenanthrene-d10	17.215	188	19050	0.400	ng		# 0.00
29) Chrysene-d12	21.404	240	15662	0.400	ng		# 0.00
35) Perylene-d12	23.764	264	12275	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	38477	2.671	ng		0.00
5) Phenol-d6	6.995	99	48133	3.077	ng		0.00
8) Nitrobenzene-d5	8.982	82	38227	3.272	ng		-0.01
11) 2-Methylnaphthalene-d10	12.227	152	80004	3.334	ng		0.00
14) 2,4,6-Tribromophenol	15.964	330	16251	3.436	ng		0.00
15) 2-Fluorobiphenyl	13.095	172	123805	3.056	ng		-0.01
27) Fluoranthene-d10	19.244	212	186531	3.281	ng		0.00
31) Terphenyl-d14	19.843	244	106777	3.041	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.225	88	21460	2.676	ng		99
3) n-Nitrosodimethylamine	3.543	42	24560	2.880	ng	#	98
6) bis(2-Chloroethyl)ether	7.248	93	54405	3.221	ng		98
9) Naphthalene	10.680	128	139727	3.157	ng		100
10) Hexachlorobutadiene	10.979	225	31235	3.026	ng	#	100
12) 2-Methylnaphthalene	12.299	142	93963	3.308	ng		98
16) Acenaphthylene	14.185	152	152914	3.485	ng		99
17) Acenaphthene	14.538	154	100918	3.223	ng		97
18) Fluorene	15.521	166	126250	3.238	ng		99
20) 4,6-Dinitro-2-methylph...	15.596	198	12927	4.728	ng	#	85
21) 4-Bromophenyl-phenylether	16.405	248	41321	3.253	ng	#	92
22) Hexachlorobenzene	16.528	284	49406	3.079	ng		99
23) Atrazine	16.672	200	29365	3.424	ng		96
24) Pentachlorophenol	16.866	266	18385	3.180	ng		99
25) Phenanthrene	17.256	178	200023	3.250	ng		100
26) Anthracene	17.348	178	176433	3.440	ng		100
28) Fluoranthene	19.274	202	233565	3.232	ng		100
30) Pyrene	19.636	202	234425	2.943	ng		100
32) Benzo(a)anthracene	21.386	228	180443	3.144	ng		99
33) Chrysene	21.440	228	200112	2.796	ng		100
34) Bis(2-ethylhexyl)phtha...	21.315	149	105956	2.507	ng		100
36) Indeno(1,2,3-cd)pyrene	26.199	276	169515	3.277	ng		98
37) Benzo(b)fluoranthene	23.045	252	159201	2.382	ng	#	95
38) Benzo(k)fluoranthene	23.092	252	171550	2.064	ng		96
39) Benzo(a)pyrene	23.659	252	139789	2.868	ng	#	91
40) Dibenzo(a,h)anthracene	26.214	278	129679	3.286	ng		97
41) Benzo(g,h,i)perylene	26.942	276	165740	2.930	ng		98

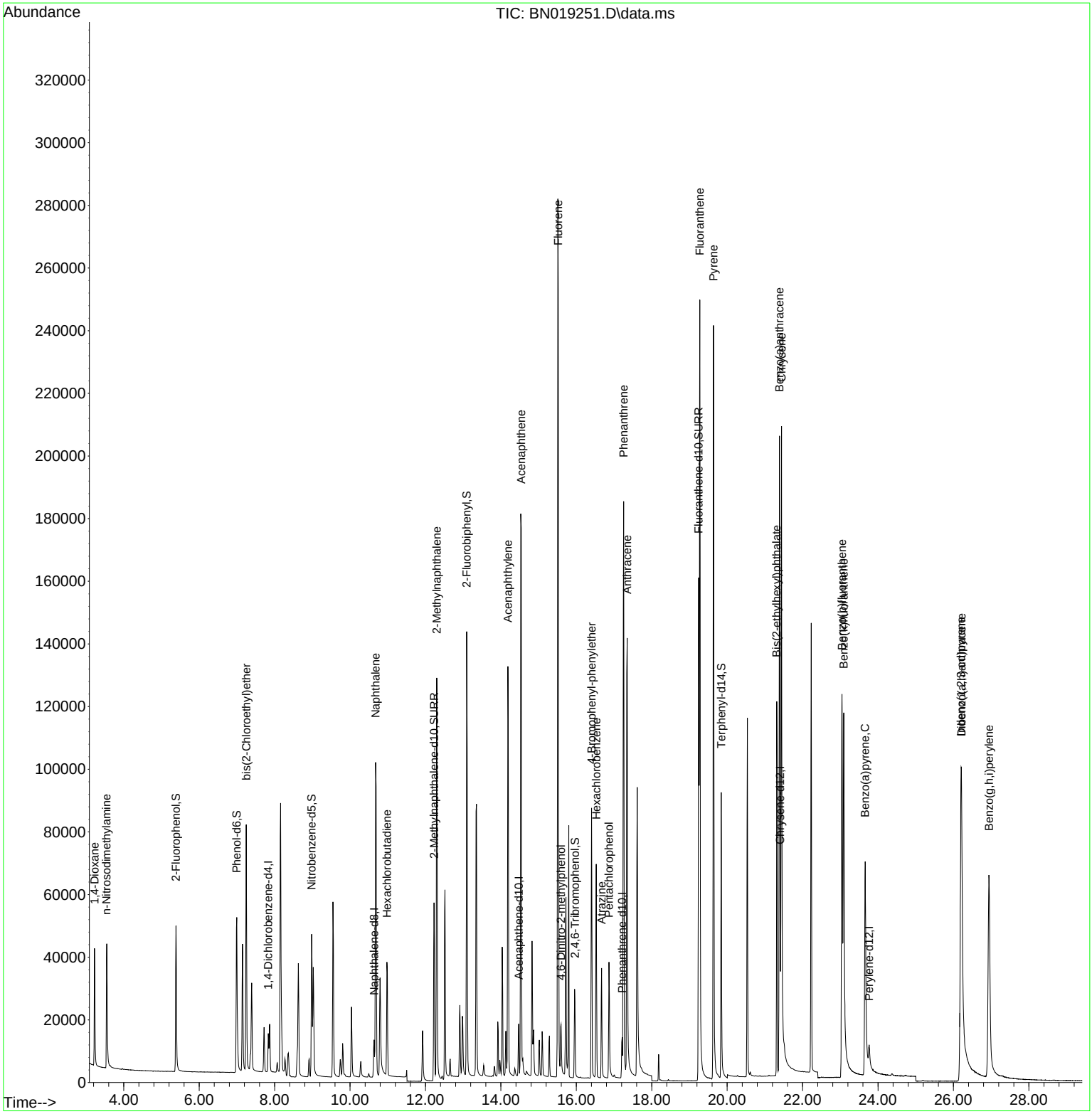
(#) = qualifier out of range (m) = manual integration (+) = signals summed

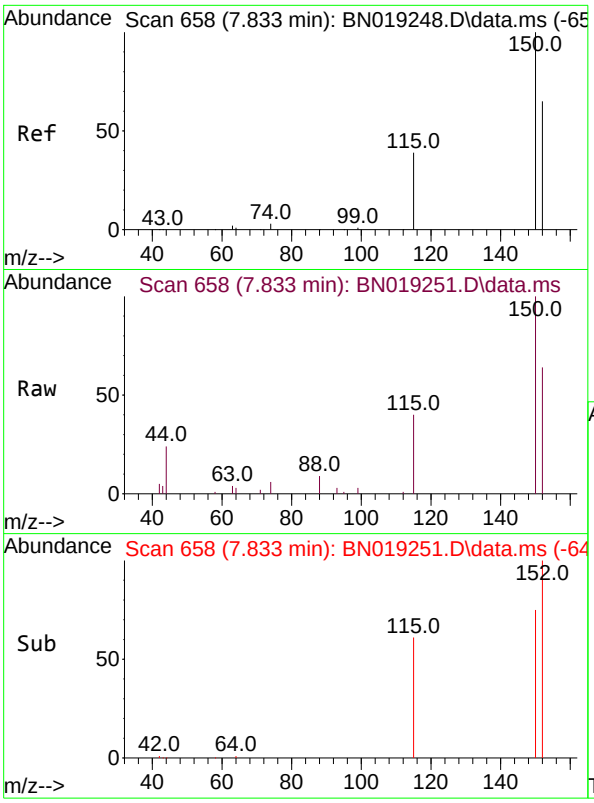
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
Data File : BN019251.D
Acq On : 31 Mar 2022 11:04
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Mar 31 12:18:09 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 12:15:51 2022
Response via : Initial Calibration



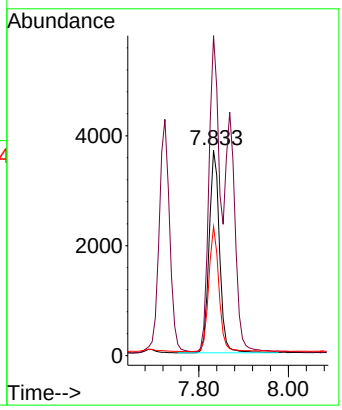


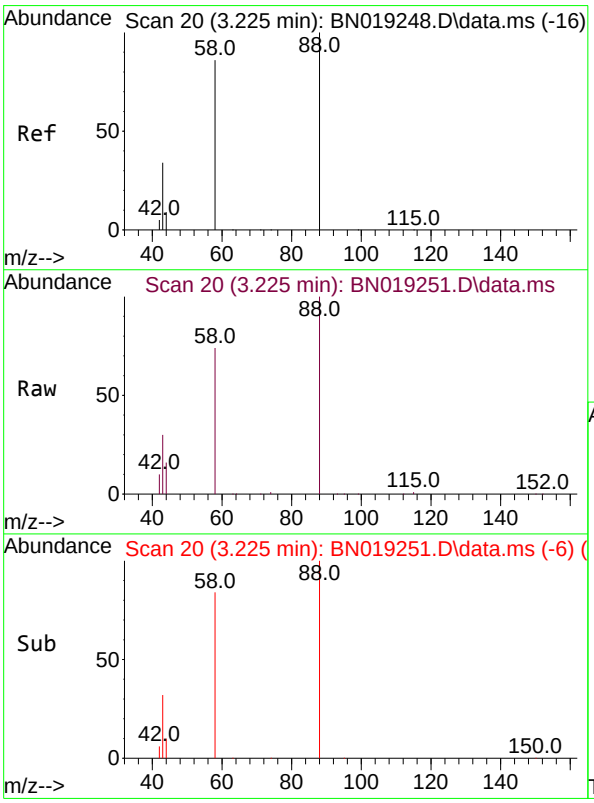
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 5960

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.9	185.9
115	62.8	48.2	72.4

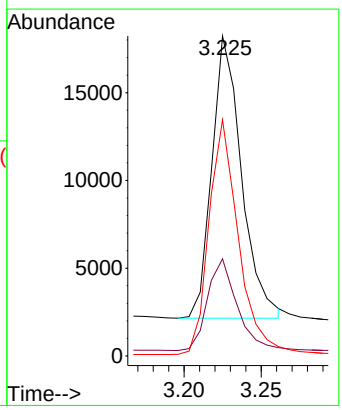


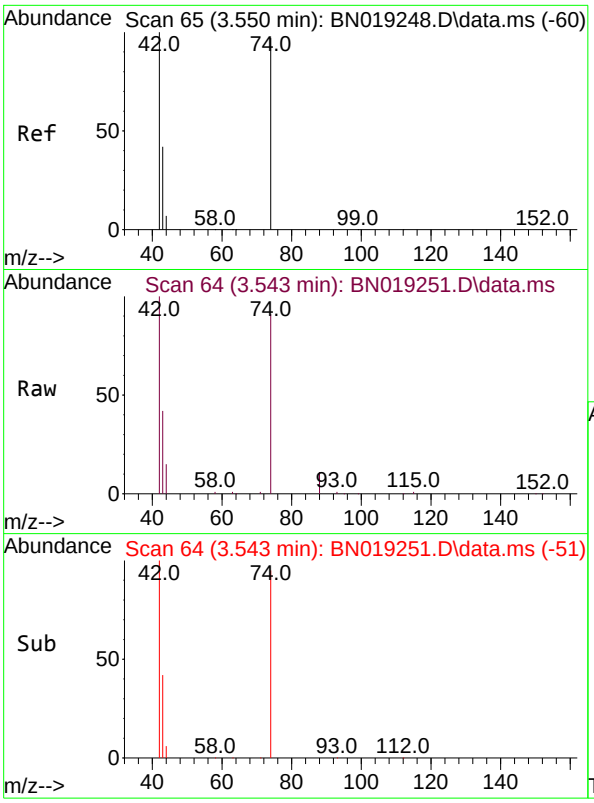


#2
1,4-Dioxane
Concen: 2.676 ng
RT: 3.225 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion: 88 Resp: 21460

Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.6	37.0
58	82.4	65.4	98.2



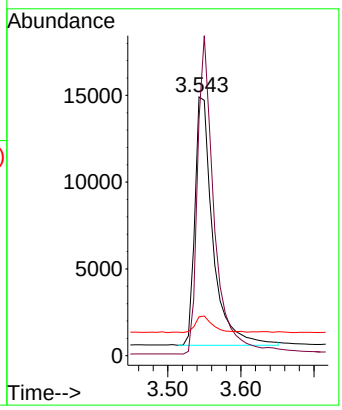


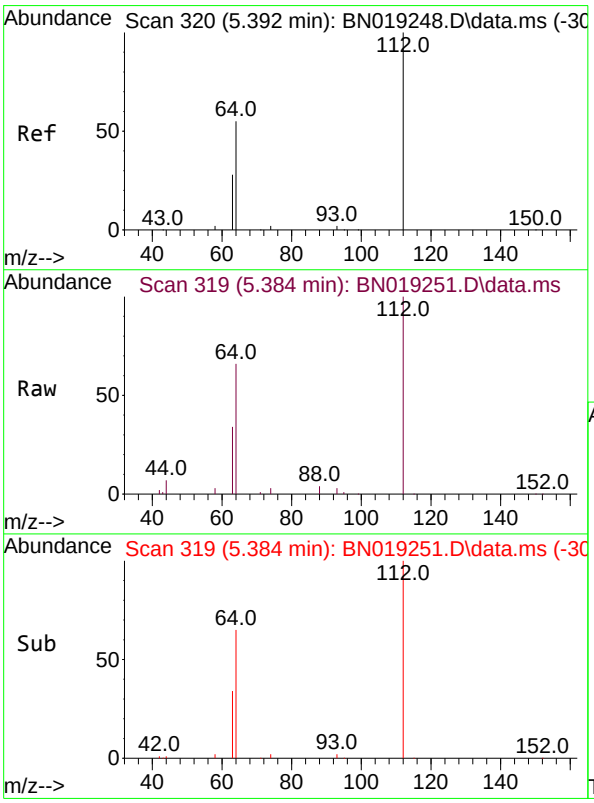
#3
n-Nitrosodimethylamine
Concen: 2.880 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 24560

Ion	Ratio	Lower	Upper
42	100		
74	119.4	96.9	145.3
44	6.3	7.3	10.9#

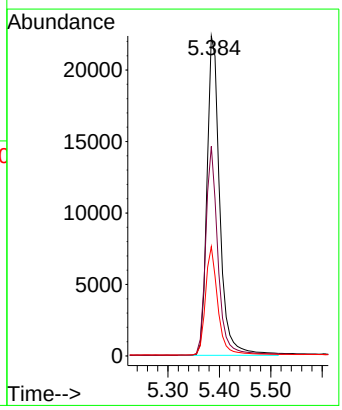


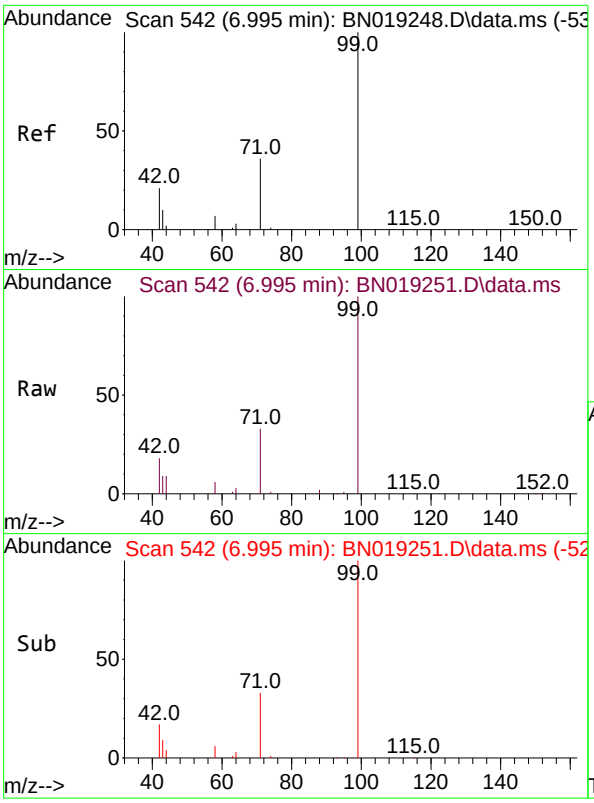


#4
2-Fluorophenol
Concen: 2.671 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:112 Resp: 38477

Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.8	71.8
63	32.9	25.7	38.5



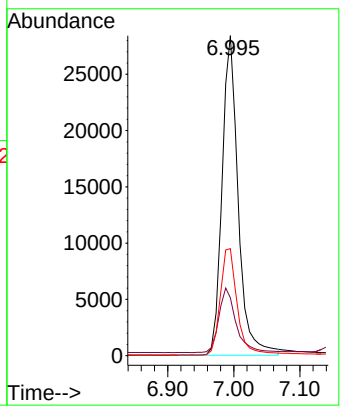


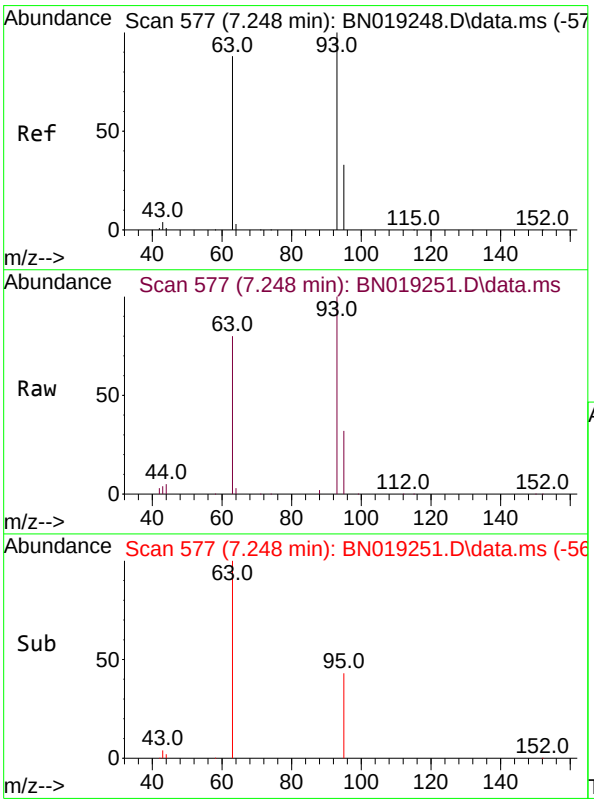
#5
Phenol-d6
Concen: 3.077 ng
RT: 6.995 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 48133

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.2	24.4
71	35.0	27.7	41.5

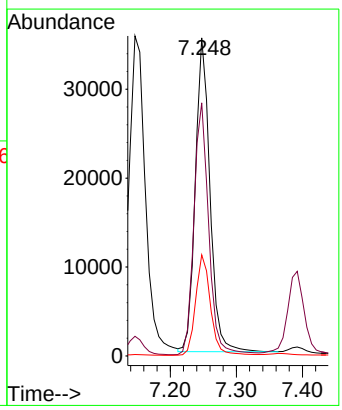


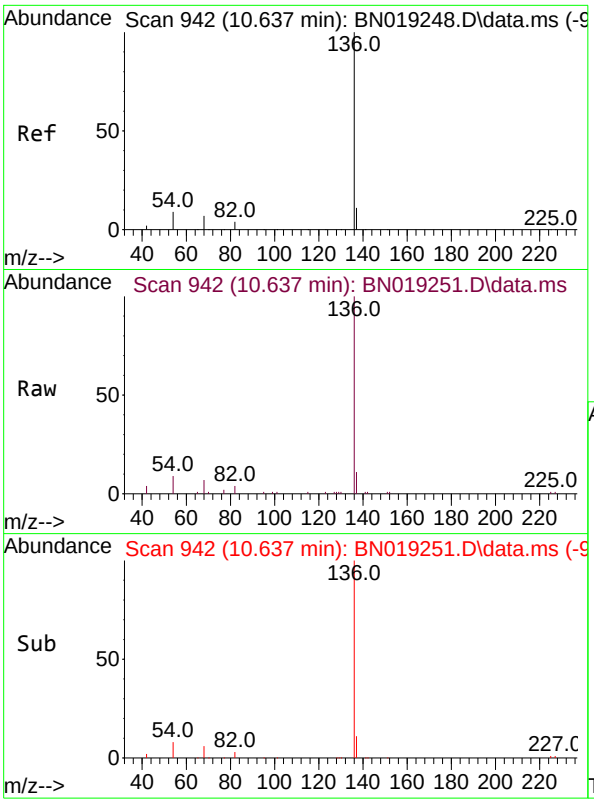


#6
bis(2-Chloroethyl)ether
Concen: 3.221 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion: 93 Resp: 54405

Ion	Ratio	Lower	Upper
93	100		
63	81.4	62.8	94.2
95	32.5	26.2	39.4



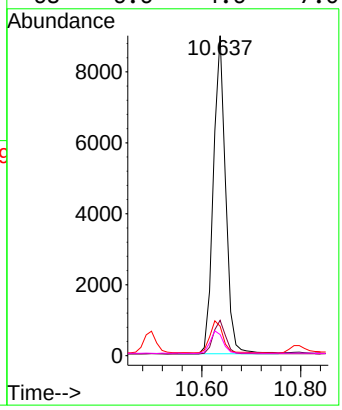


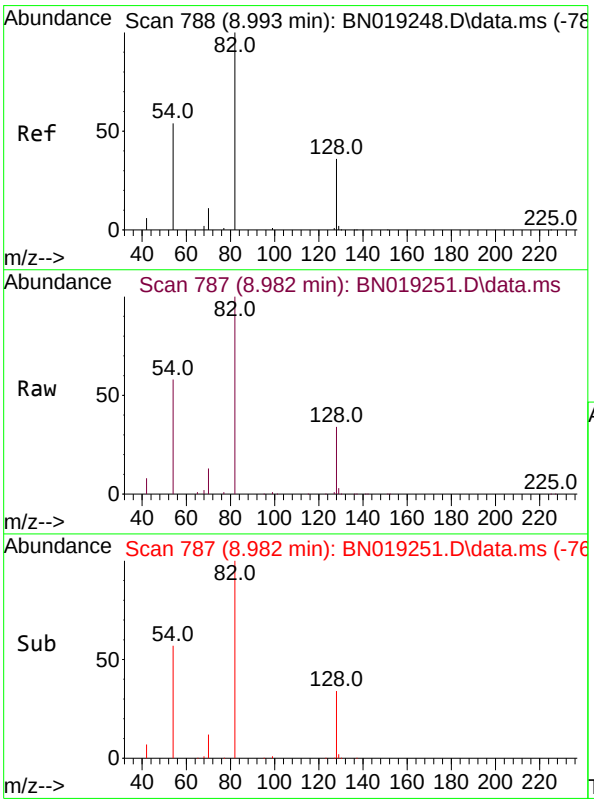
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 15346

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.2	5.8	8.6#
68	6.6	4.6	7.0

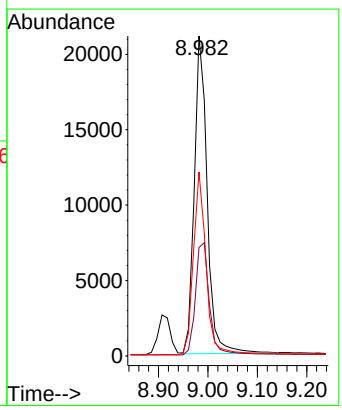


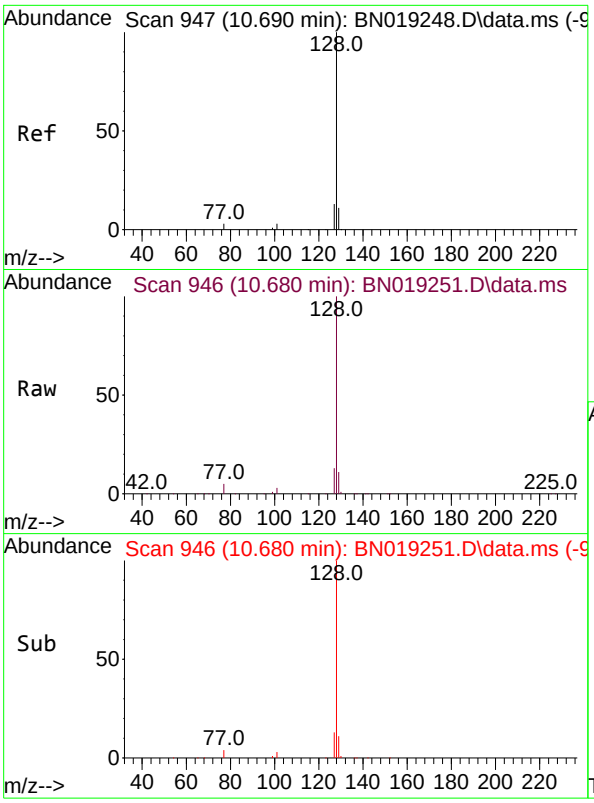


#8
Nitrobenzene-d5
Concen: 3.272 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion: 82 Resp: 38227

Ion	Ratio	Lower	Upper
82	100		
128	33.9	33.0	49.6
54	57.5	42.5	63.7



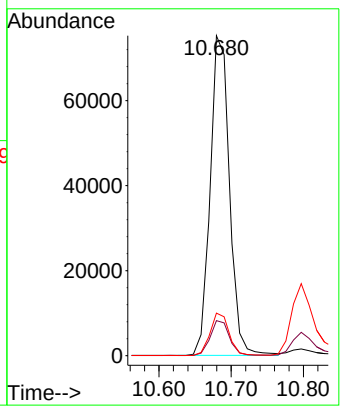


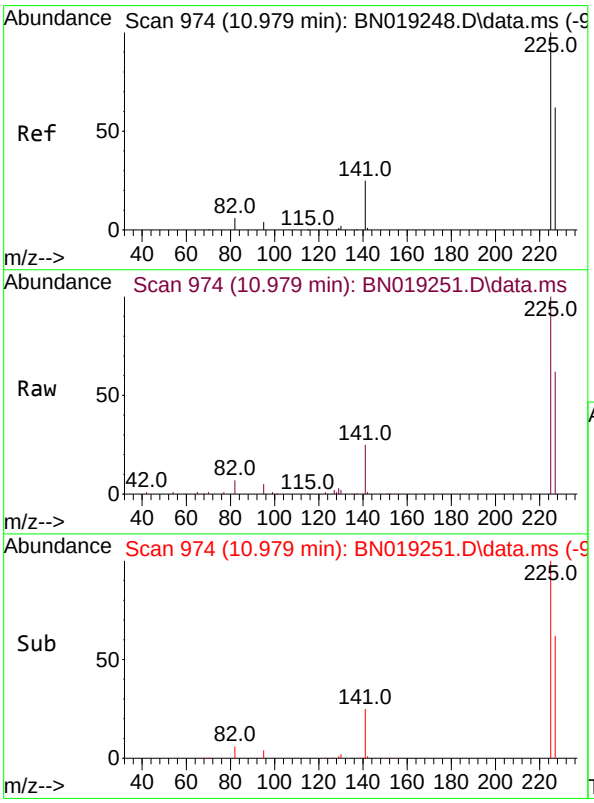
#9
Naphthalene
Concen: 3.157 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 139727

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	13.3	10.7	16.1

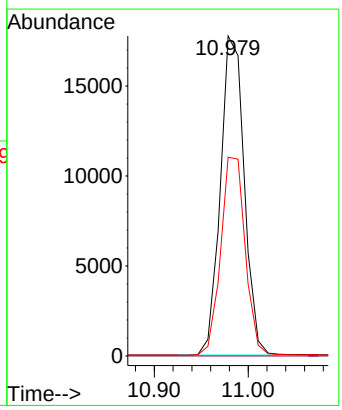


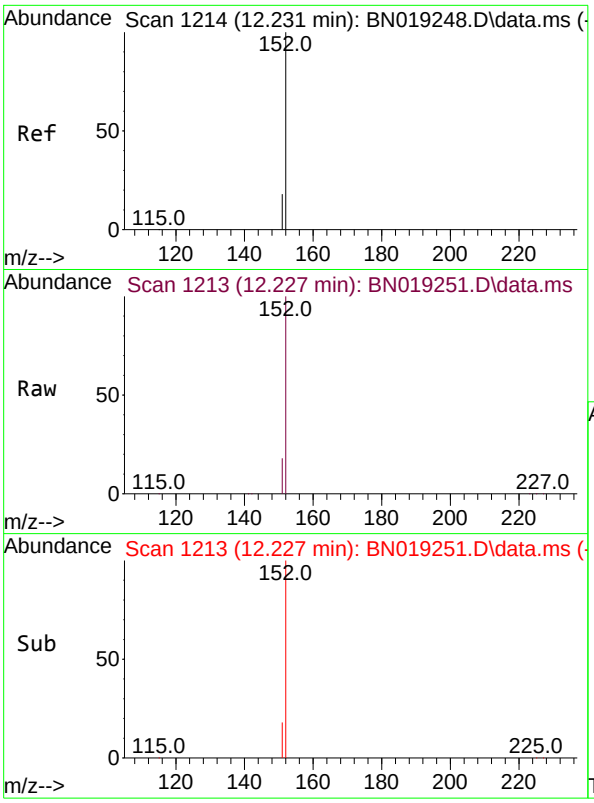


#10
Hexachlorobutadiene
Concen: 3.026 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:225 Resp: 31235

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.0	76.6



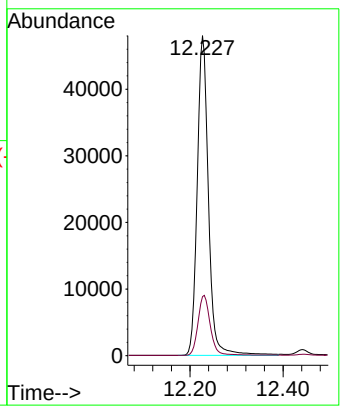


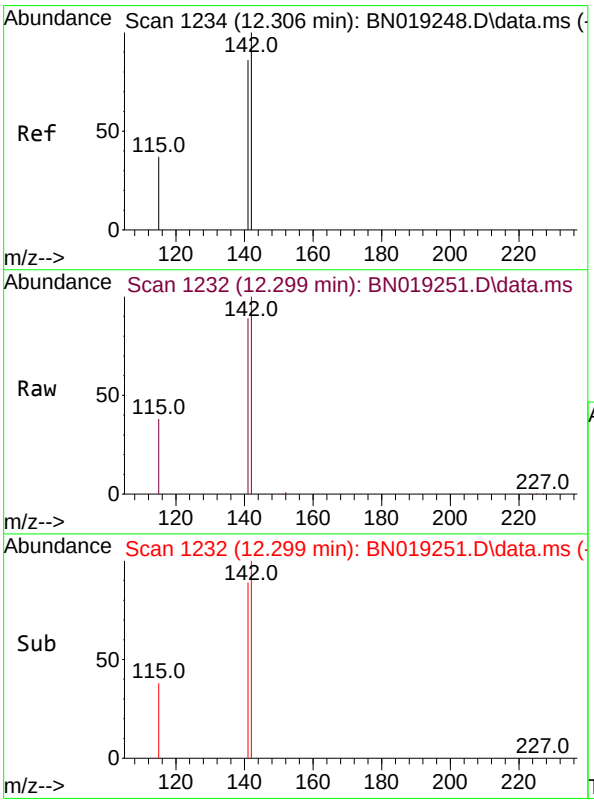
#11
2-Methylnaphthalene-d10
Concen: 3.334 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 80004

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.5	24.7

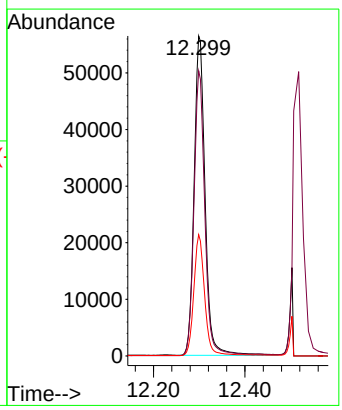


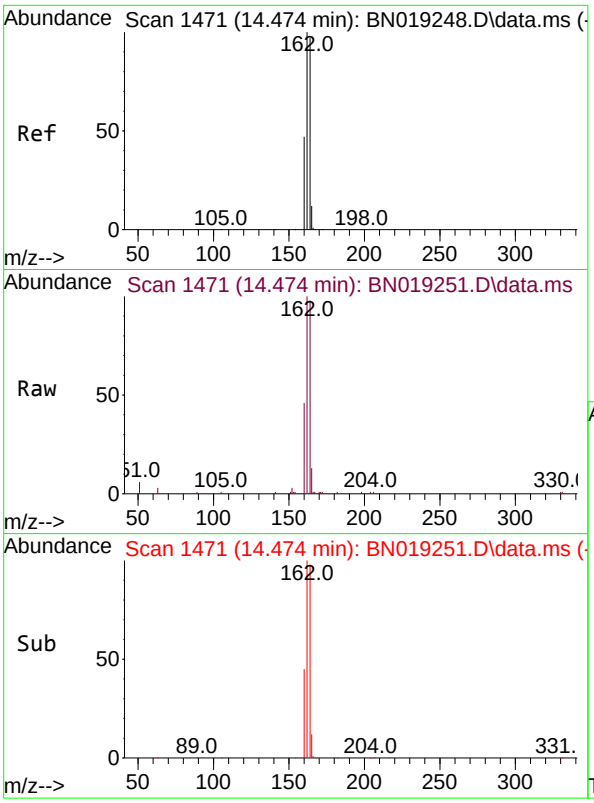


#12
2-Methylnaphthalene
Concen: 3.308 ng
RT: 12.299 min Scan# 1232
Delta R.T. -0.008 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:142 Resp: 93963

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.0	105.0
115	37.9	29.8	44.8



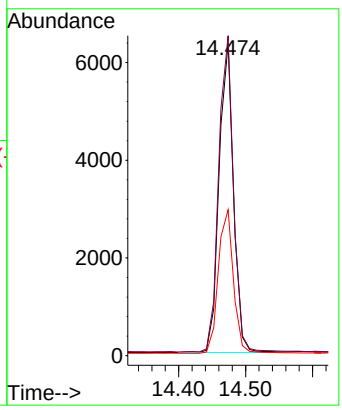


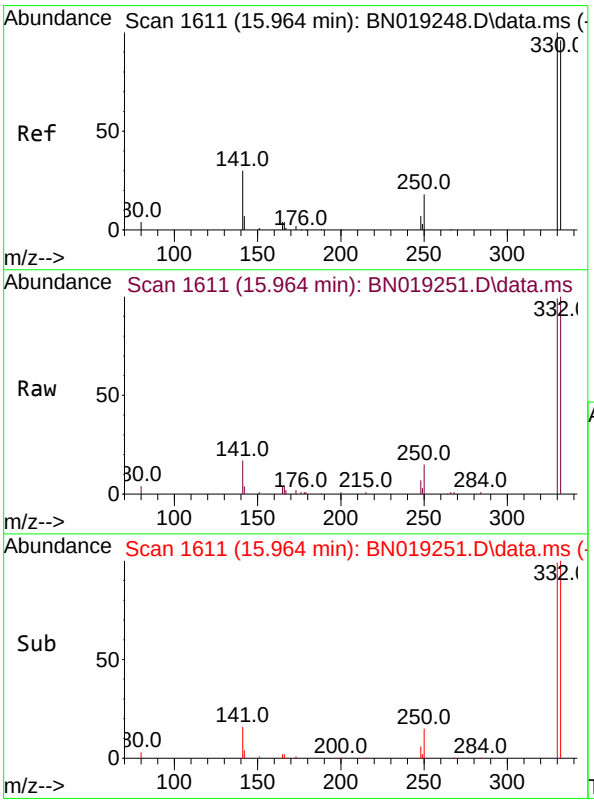
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 9472

Ion	Ratio	Lower	Upper
164	100		
162	102.5	85.2	127.8
160	46.7	41.5	62.3

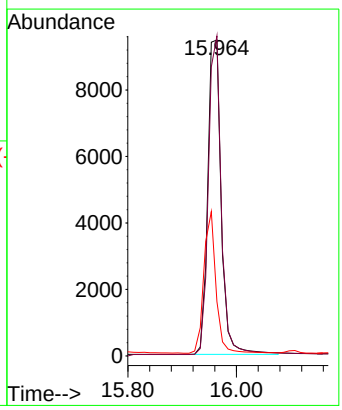


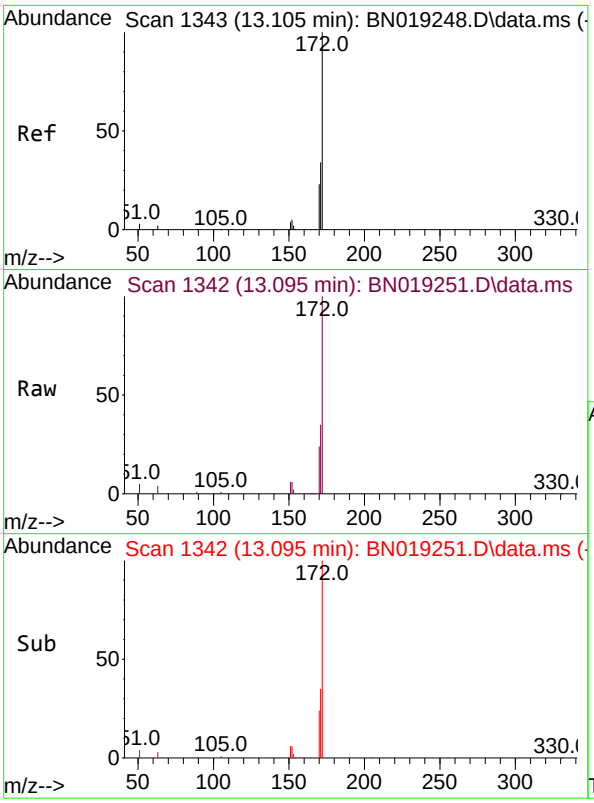


#14
2,4,6-Tribromophenol
Concen: 3.436 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:330 Resp: 16251

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	40.7	32.2	48.2



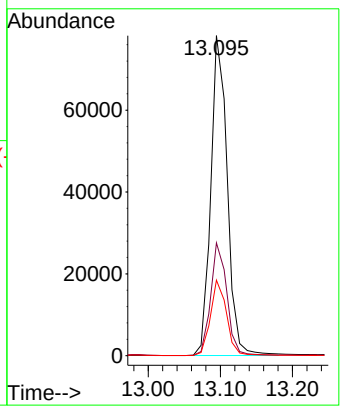


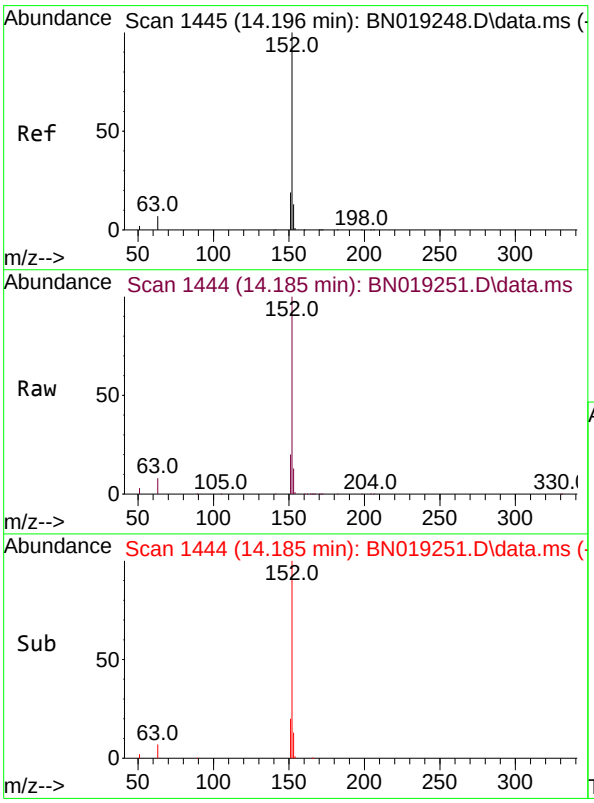
#15
2-Fluorobiphenyl
Concen: 3.056 ng
RT: 13.095 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 123805

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.6	18.7	28.1

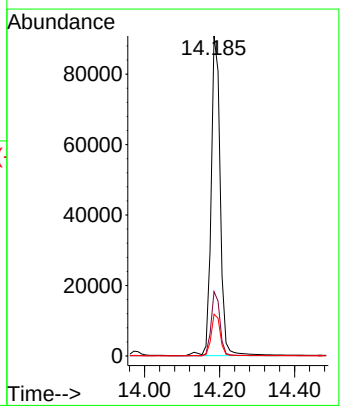


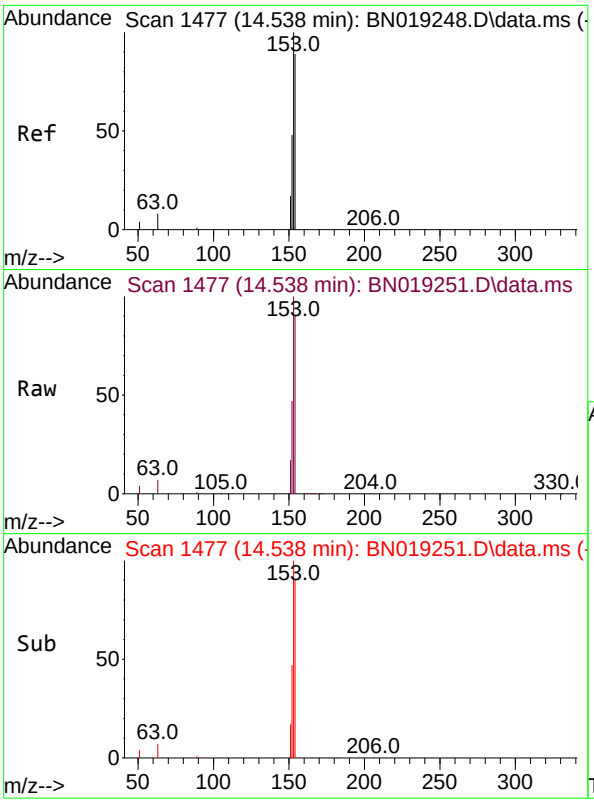


#16
Acenaphthylene
Concen: 3.485 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:152 Resp: 152914

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.1	10.6	15.8



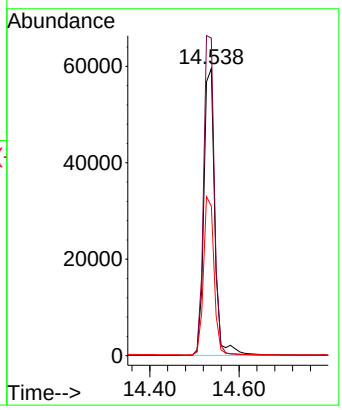


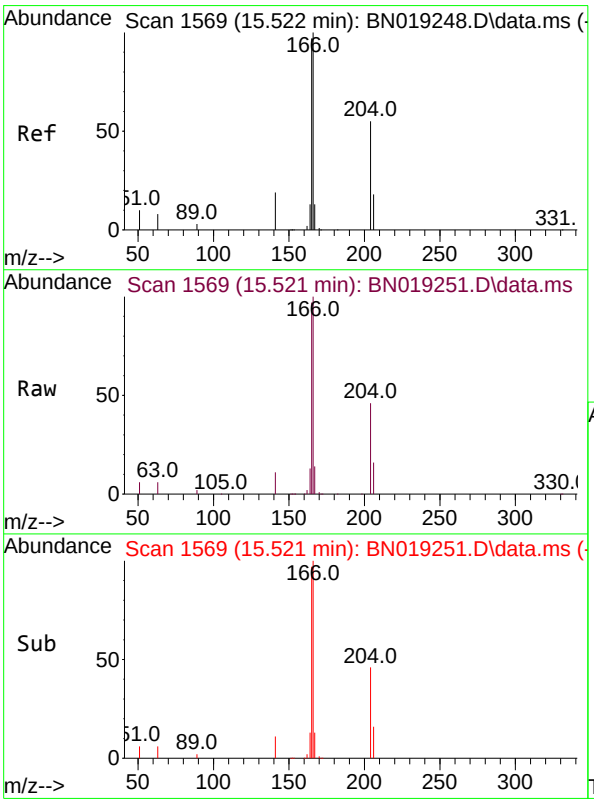
#17
Acenaphthene
Concen: 3.223 ng
RT: 14.538 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 100918

Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.7	134.5
152	53.1	44.7	67.1

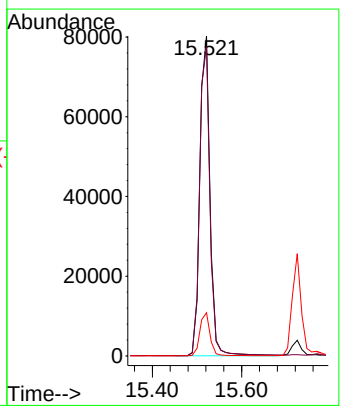


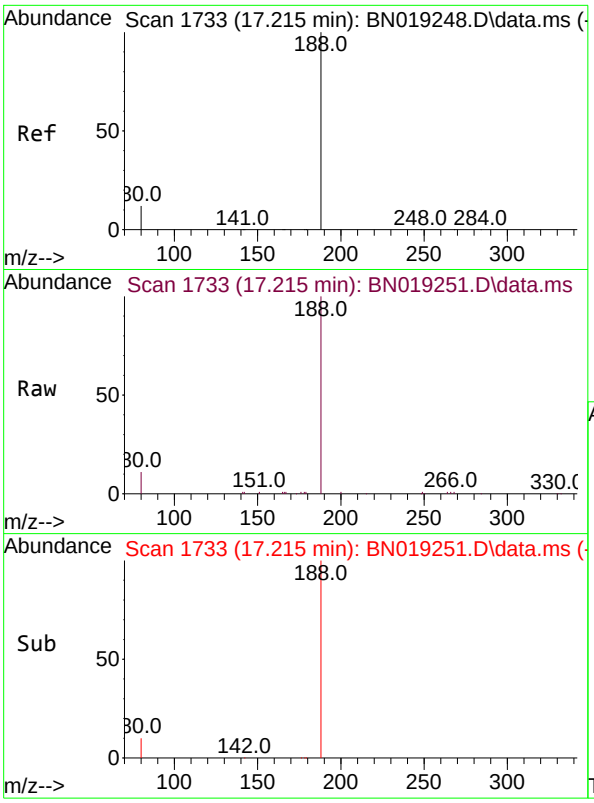


#18
Fluorene
Concen: 3.238 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:166 Resp: 126250

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.2	118.8
167	13.5	10.7	16.1



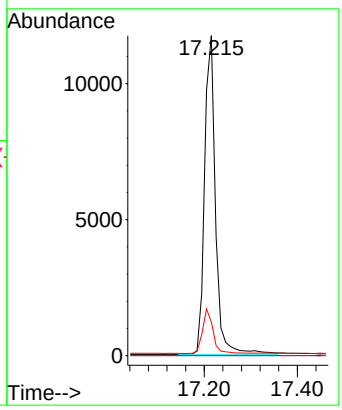


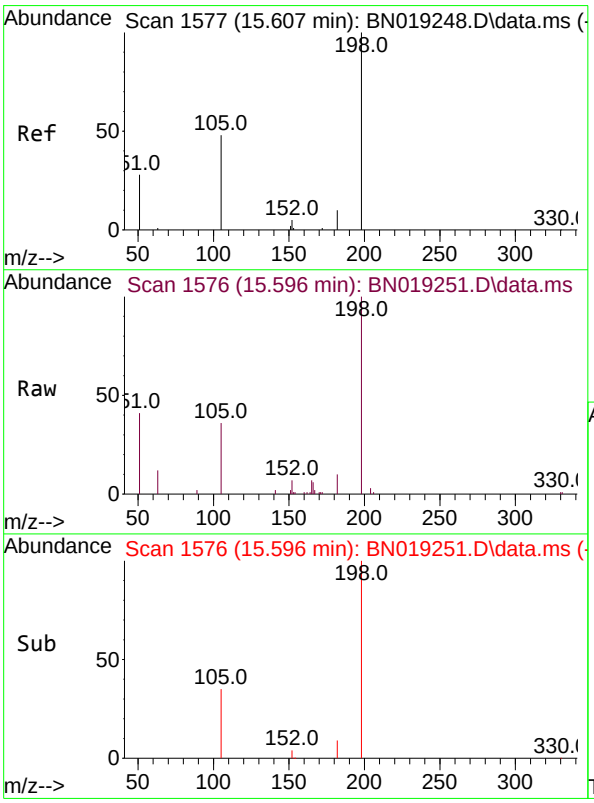
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 19050

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	11.8	17.8#

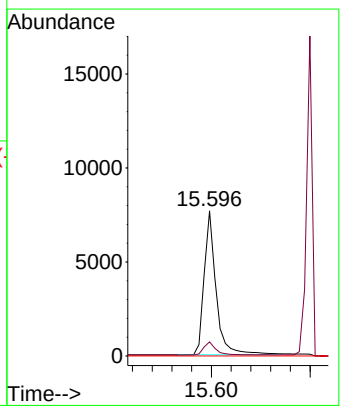


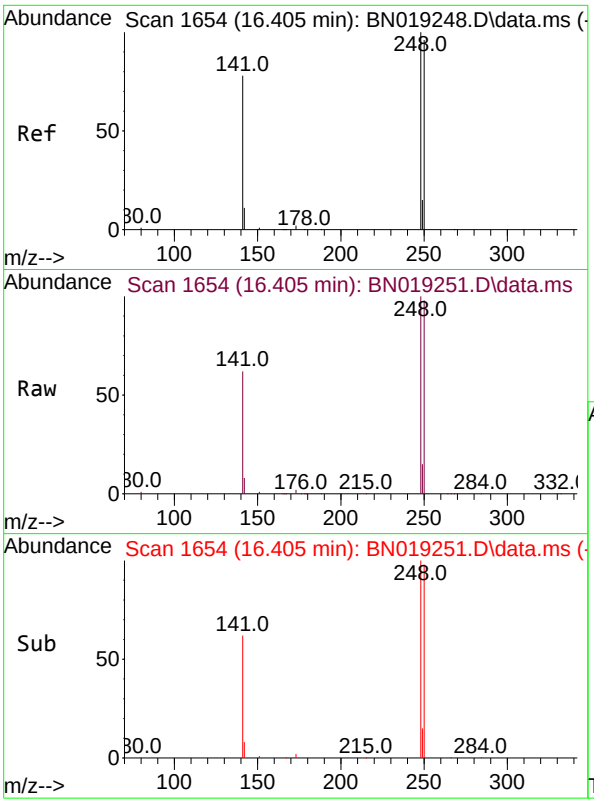


#20
4,6-Dinitro-2-methylphenol
Concen: 4.728 ng
RT: 15.596 min Scan# 1576
Delta R.T. -0.011 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:198 Resp: 12927

Ion	Ratio	Lower	Upper
198	100		
182	9.7	13.0	19.4#
77	0.0	0.0	0.0



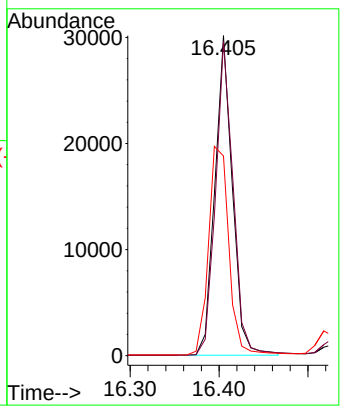


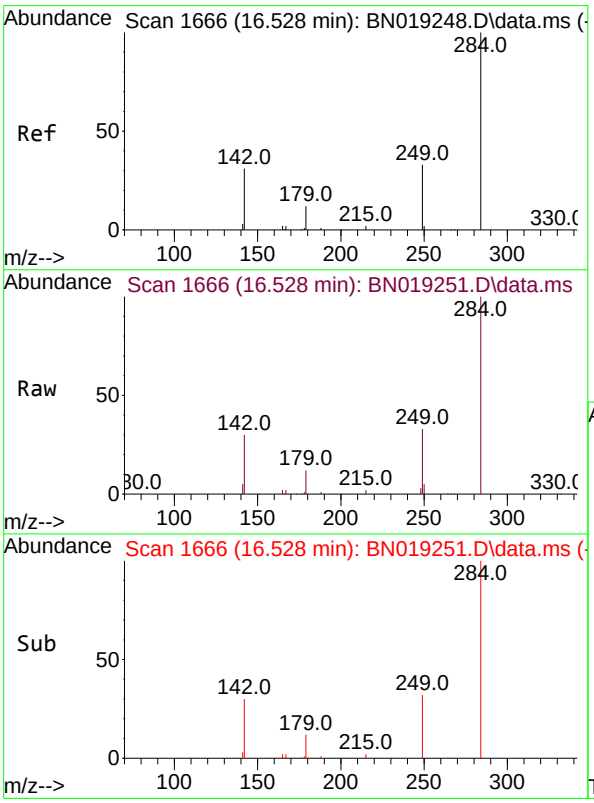
#21
4-Bromophenyl-phenylether
Concen: 3.253 ng
RT: 16.405 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 41321

Ion	Ratio	Lower	Upper
248	100		
250	98.2	80.7	121.1
141	62.4	39.6	59.4#

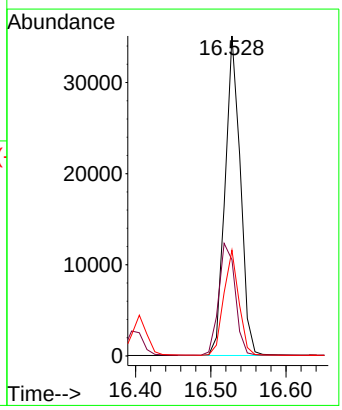


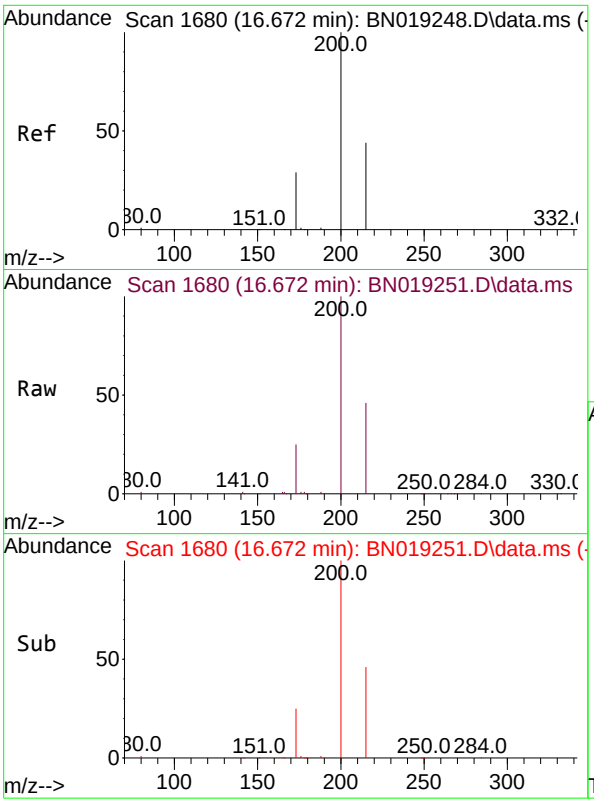


#22
Hexachlorobenzene
Concen: 3.079 ng
RT: 16.528 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:284 Resp: 49406

Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.8	44.8
249	32.4	26.2	39.2



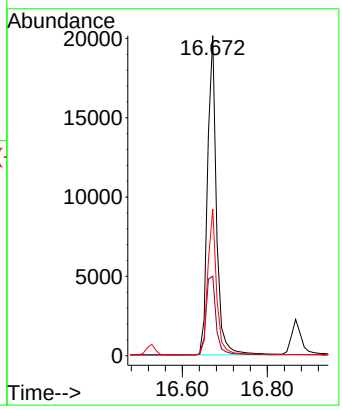


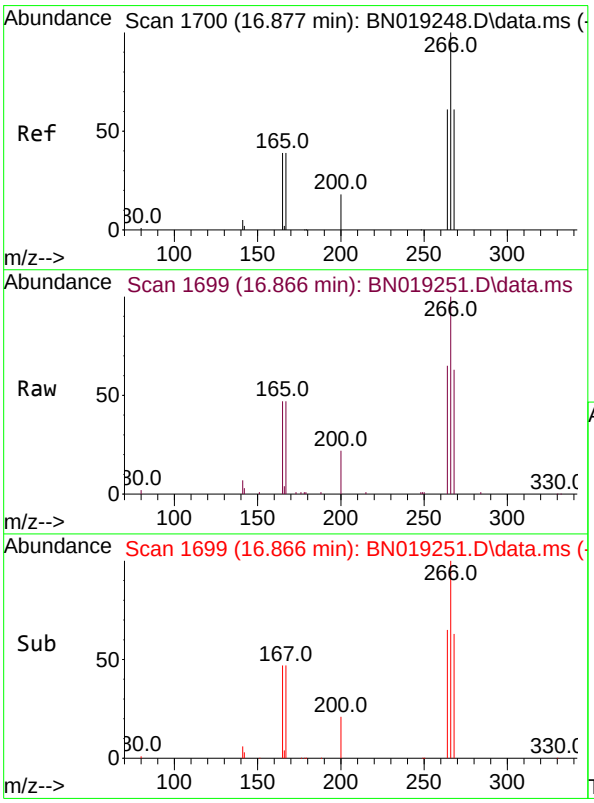
#23
Atrazine
Concen: 3.424 ng
RT: 16.672 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 29365

Ion	Ratio	Lower	Upper
200	100		
173	24.8	23.9	35.9
215	45.9	36.6	54.8

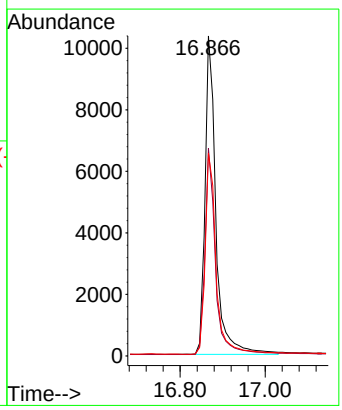


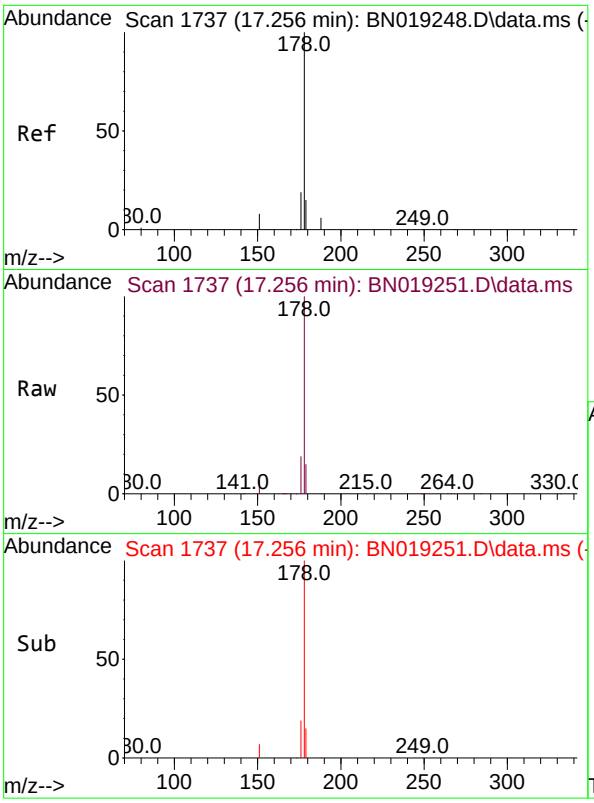


#24
Pentachlorophenol
Concen: 3.180 ng
RT: 16.866 min Scan# 1699
Delta R.T. -0.010 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:266 Resp: 18385

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.4
268	64.1	51.9	77.9



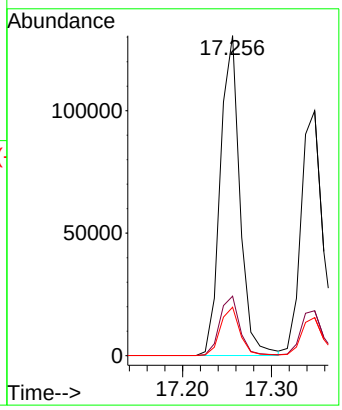


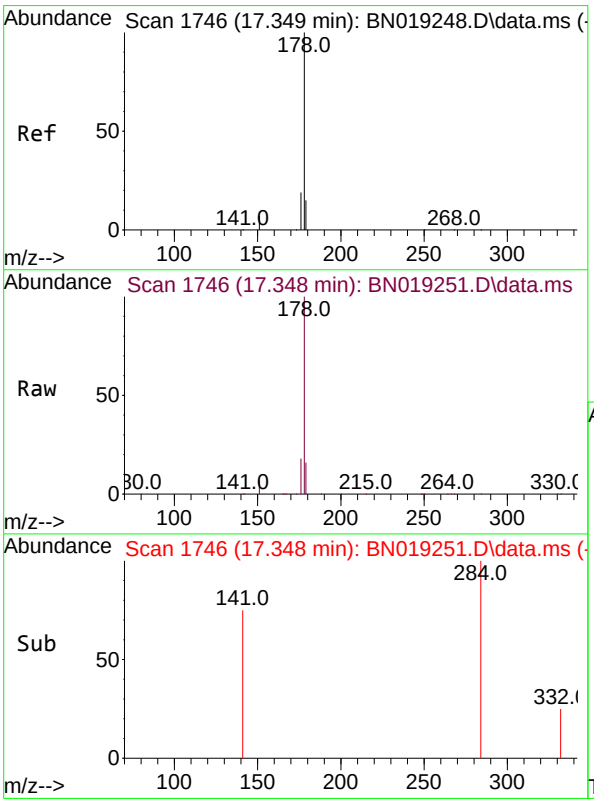
#25
Phenanthrene
Concen: 3.250 ng
RT: 17.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 200023

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.2	18.2

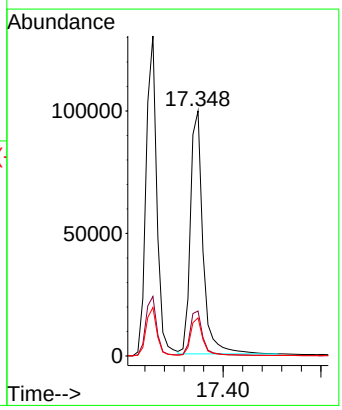


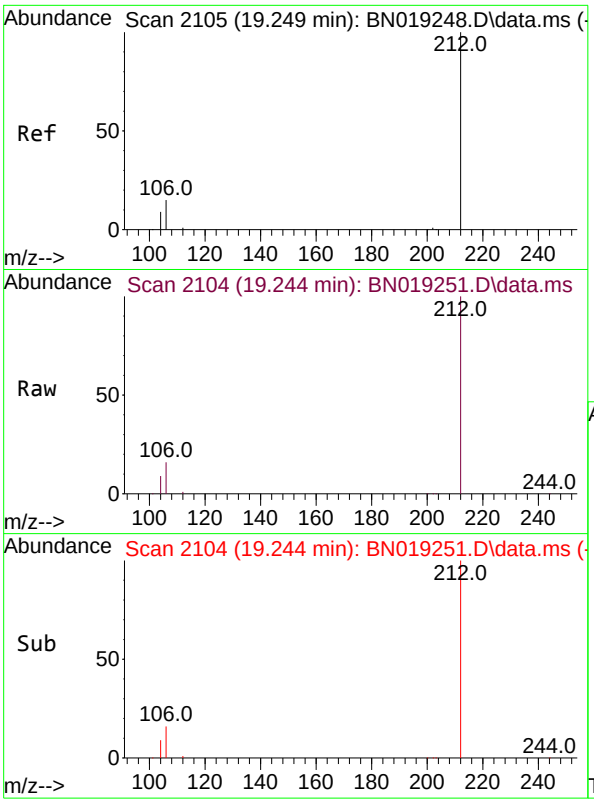


#26
Anthracene
Concen: 3.440 ng
RT: 17.348 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:178 Resp: 176433

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4



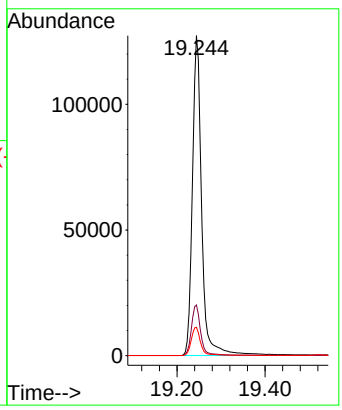


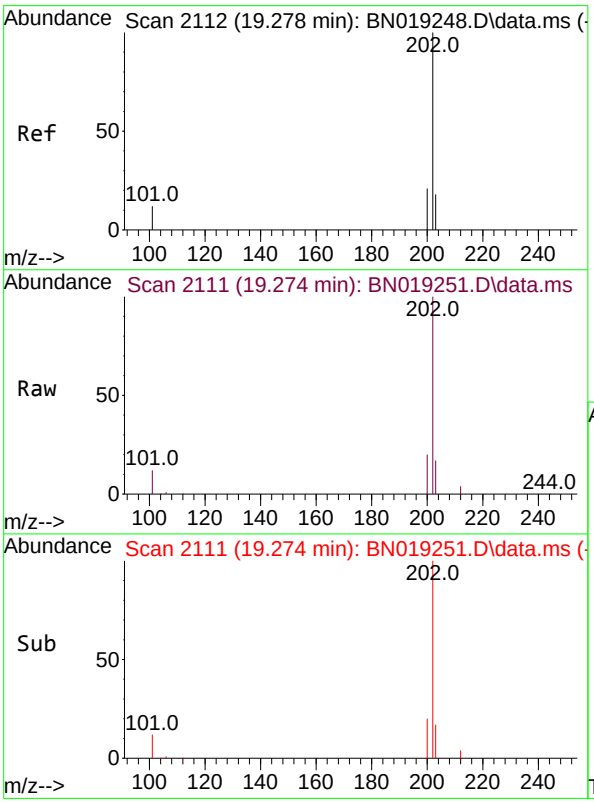
#27
Fluoranthene-d10
Concen: 3.281 ng
RT: 19.244 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 186531

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.7	19.1
104	8.9	7.1	10.7

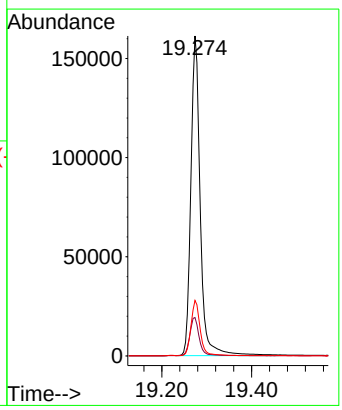


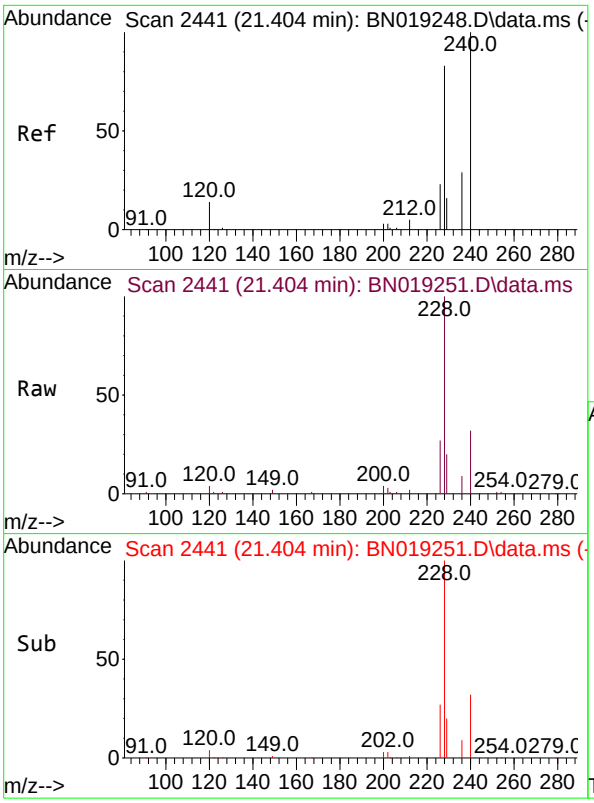


#28
Fluoranthene
Concen: 3.232 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:202 Resp: 233565

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.6
203	17.0	13.7	20.5



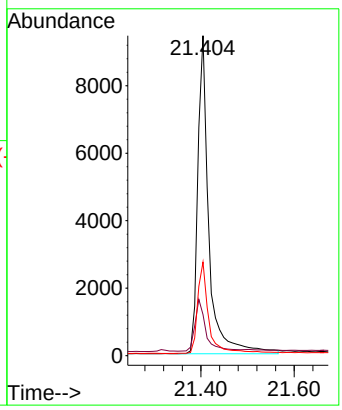


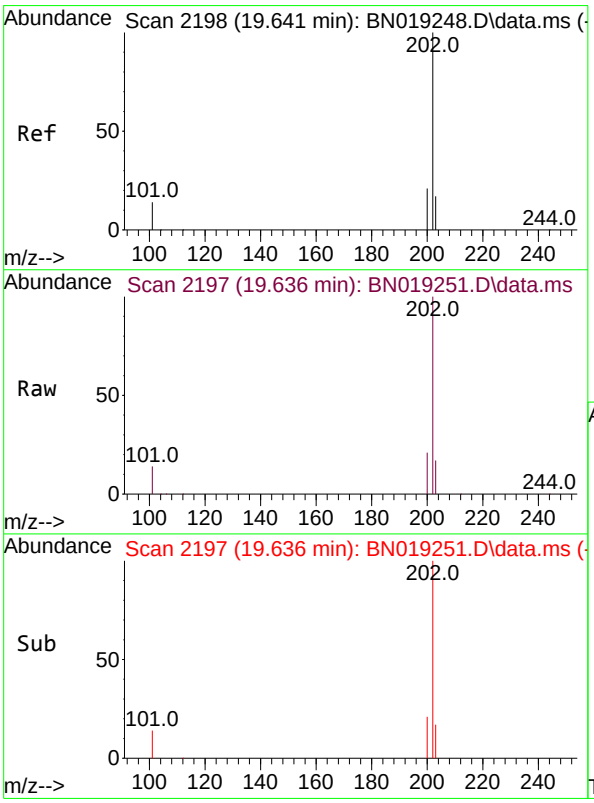
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 15662

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.5	12.7#
236	29.2	22.4	33.6

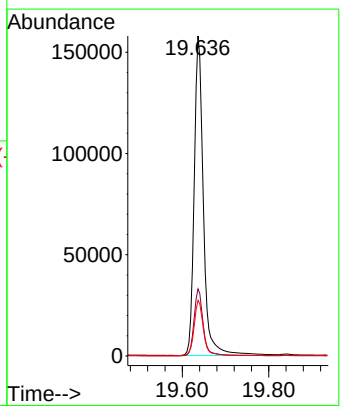


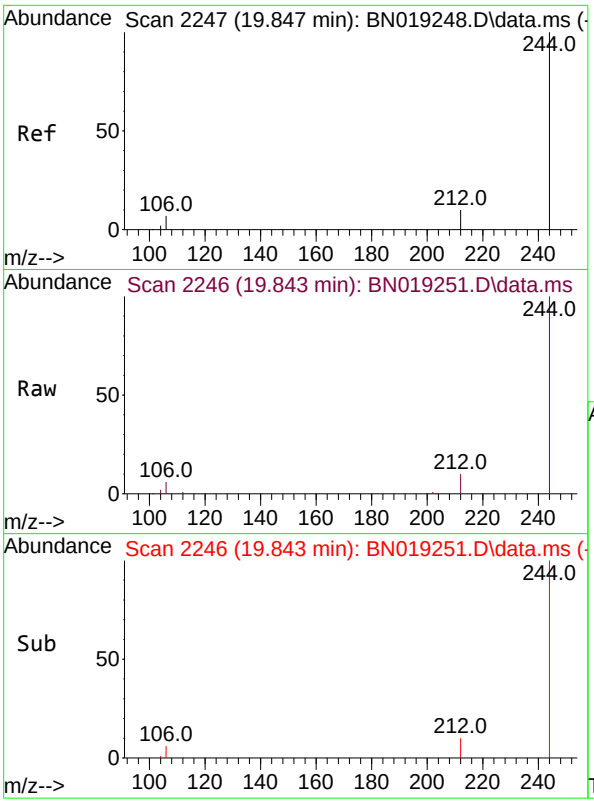


#30
Pyrene
Concen: 2.943 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:202 Resp: 234425

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.8	14.2	21.2



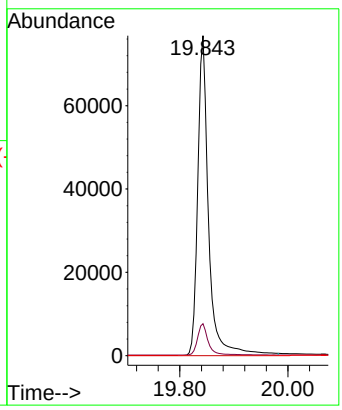


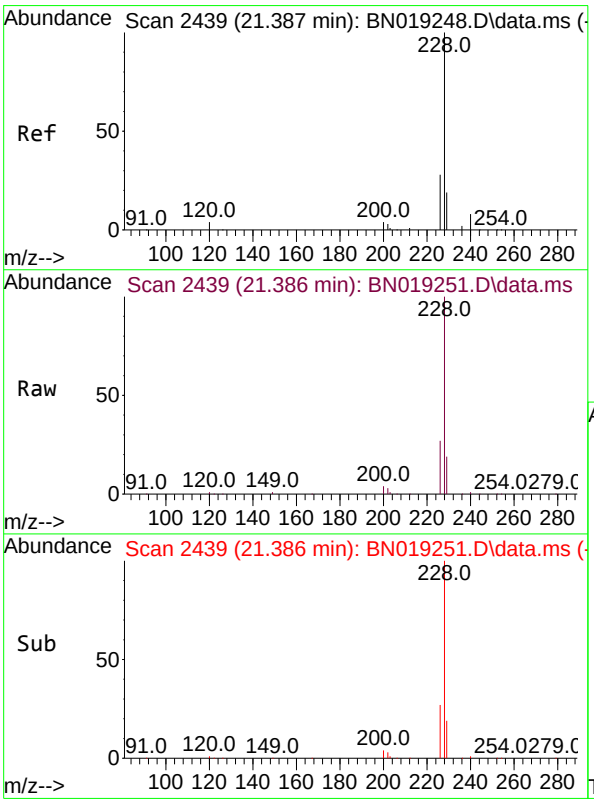
#31
Terphenyl-d14
Concen: 3.041 ng
RT: 19.843 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 106777

Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.2	12.4
122	0.0	0.0	0.0

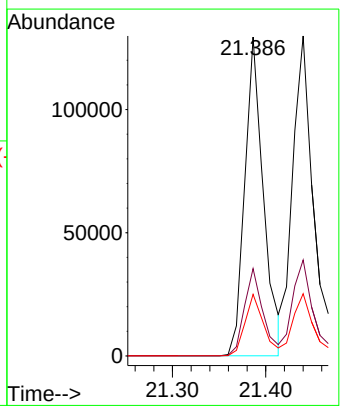


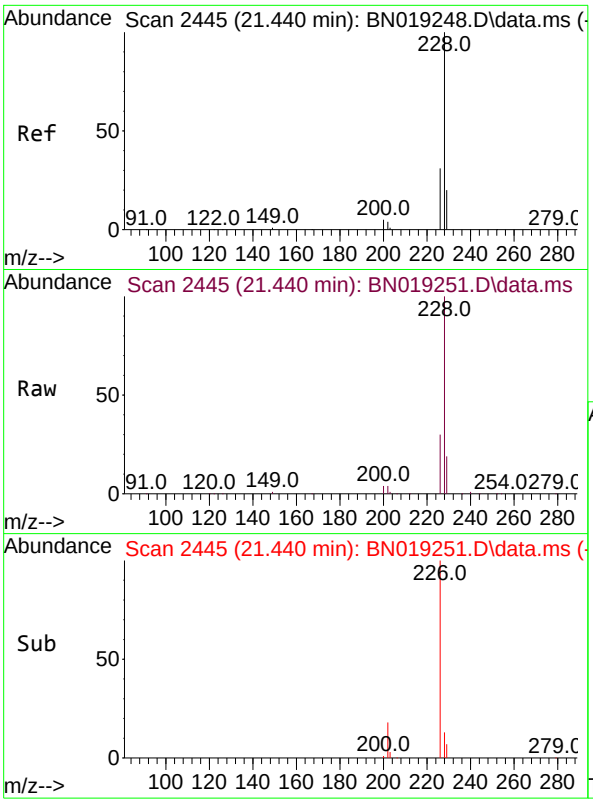


#32
Benzo(a)anthracene
Concen: 3.144 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:228 Resp: 180443

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.3	16.0	24.0



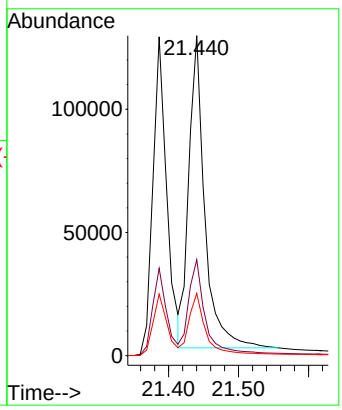


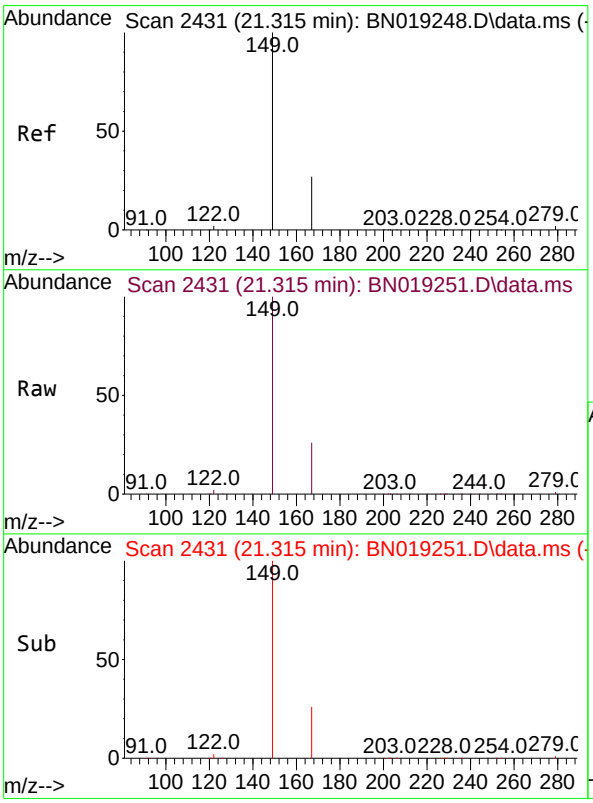
#33
Chrysene
Concen: 2.796 ng
RT: 21.440 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 200112

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.4	15.9	23.9

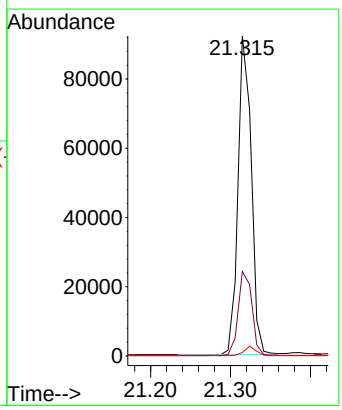


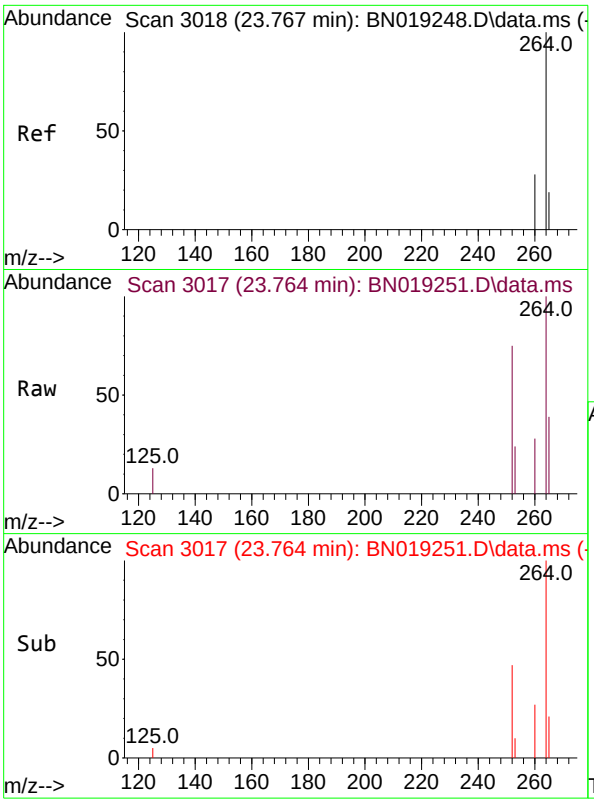


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.507 ng
RT: 21.315 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:149 Resp: 105956

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.8	32.8
279	2.6	2.0	3.0



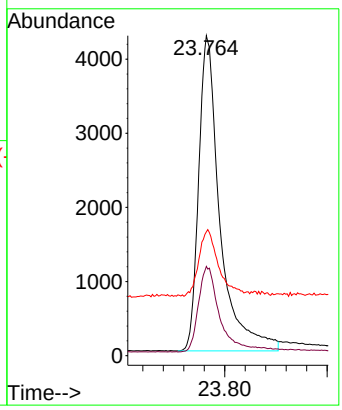


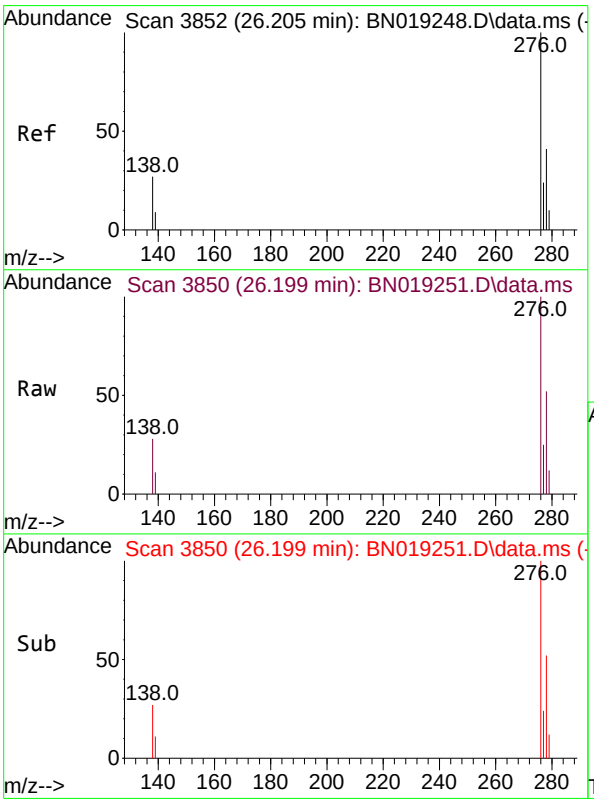
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.764 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 12275

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.4	33.6
265	38.7	25.3	37.9#

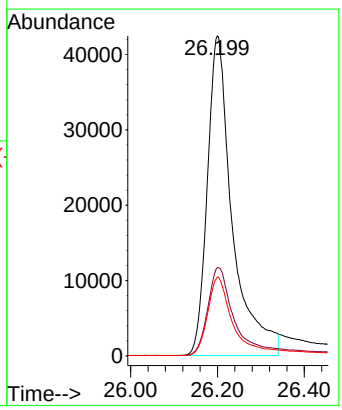


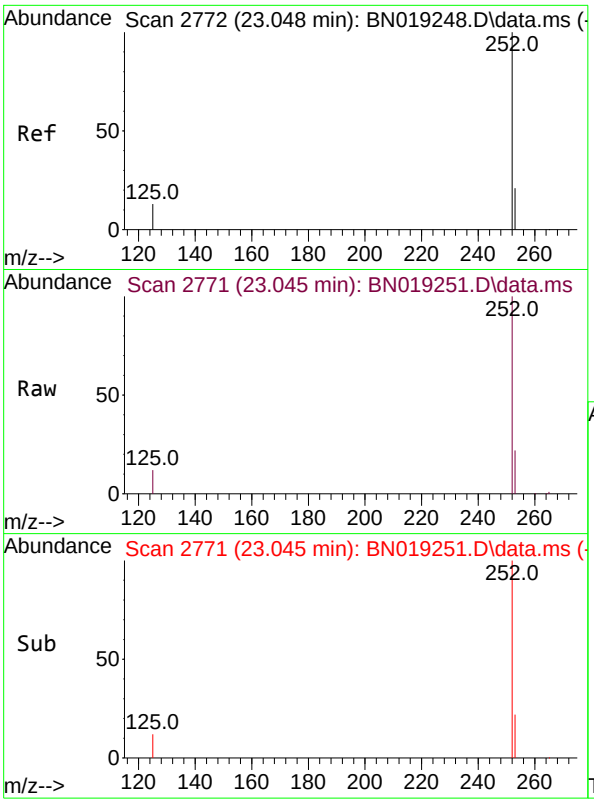


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.277 ng
RT: 26.199 min Scan# 3850
Delta R.T. -0.006 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:276 Resp: 169515

Ion	Ratio	Lower	Upper
276	100		
138	28.9	24.5	36.7
277	24.7	19.8	29.8



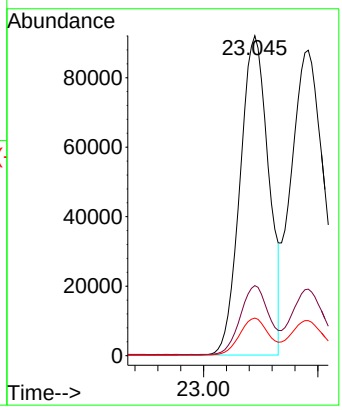


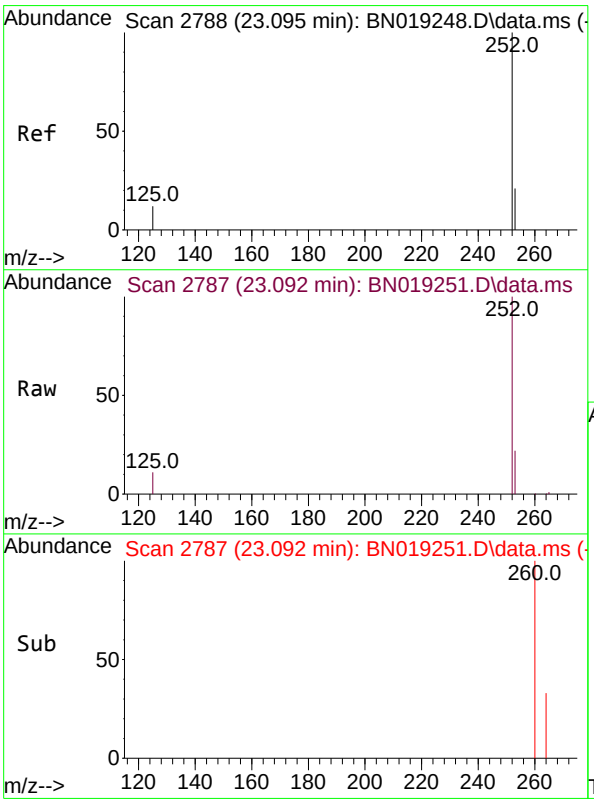
#37
Benzo(b)fluoranthene
Concen: 2.382 ng
RT: 23.045 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 159201

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.9	28.3
125	11.7	12.1	18.1#

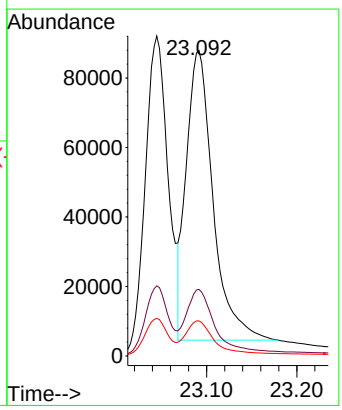


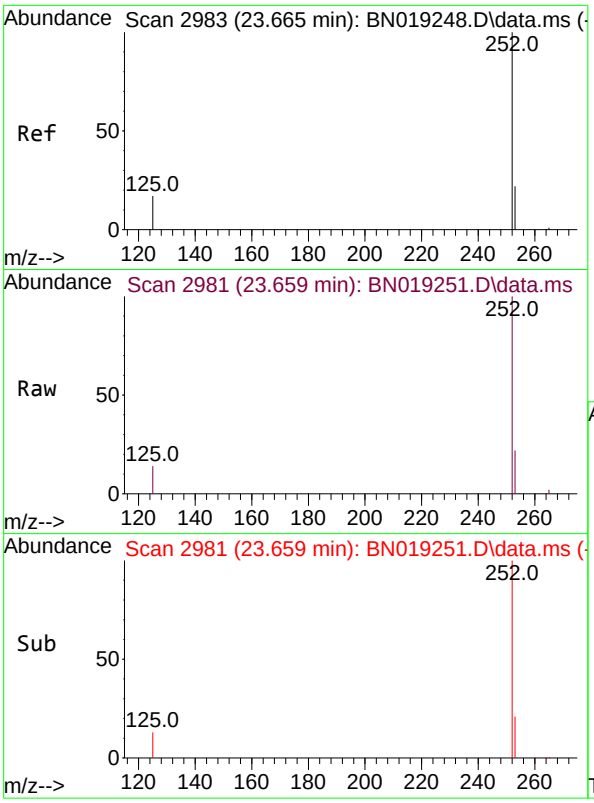


#38
Benzo(k)fluoranthene
Concen: 2.064 ng
RT: 23.092 min Scan# 2787
Delta R.T. -0.003 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:252 Resp: 171550

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.9	28.3
125	11.5	10.3	15.5



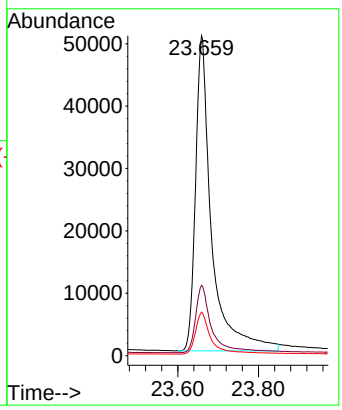


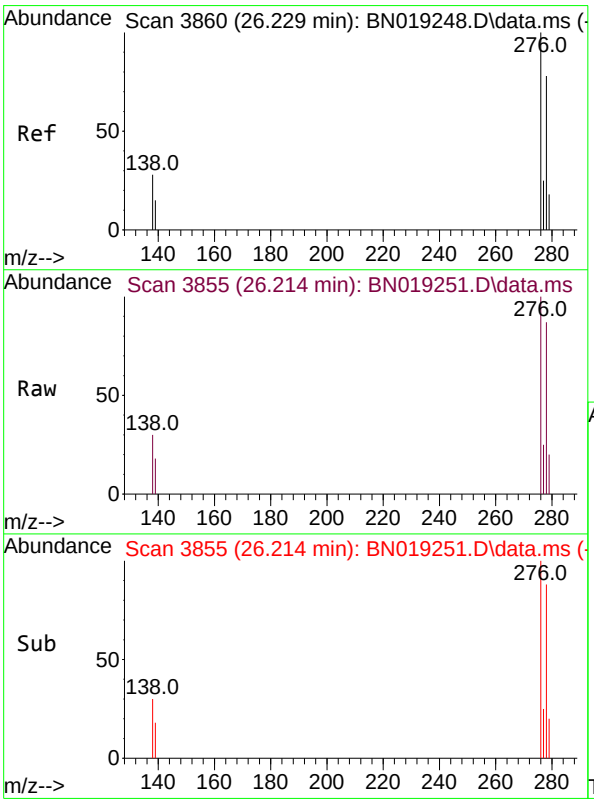
#39
Benzo(a)pyrene
Concen: 2.868 ng
RT: 23.659 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 139789

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.1	30.1
125	13.6	15.2	22.8#

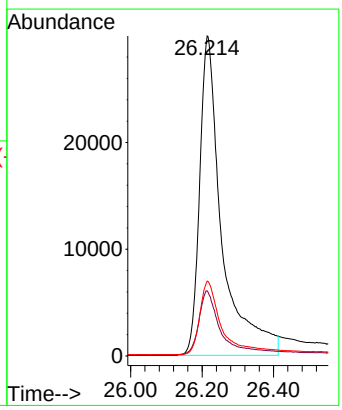


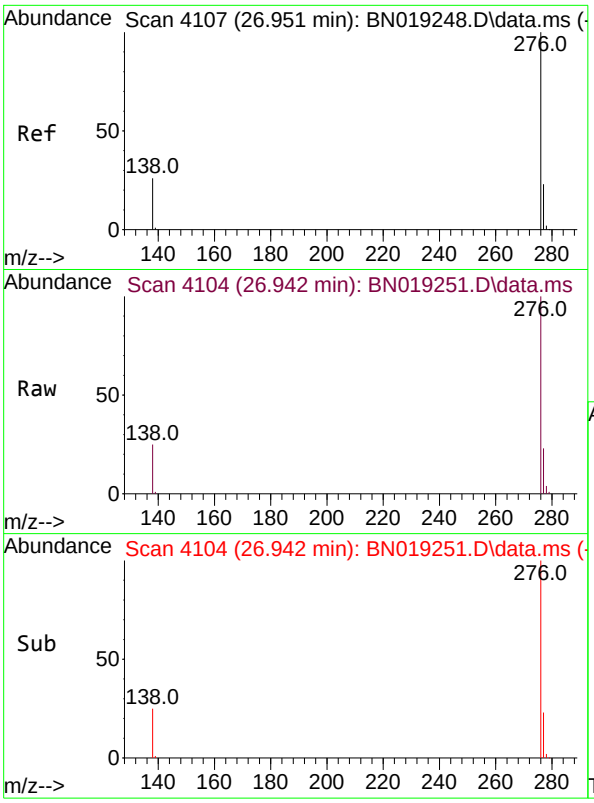


#40
Dibenzo(a,h)anthracene
Concen: 3.286 ng
RT: 26.214 min Scan# 3855
Delta R.T. -0.015 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Tgt Ion:278 Resp: 129679

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.2	25.8
279	23.4	19.9	29.9





#41
Benzo(g,h,i)perylene
Concen: 2.930 ng
RT: 26.942 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN019251.D
Acq: 31 Mar 2022 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 165740

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.0
138	25.2	21.0	31.6