Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011823\
Data File : BN023698.D
Acq On : 18 Jan 2023 11:58
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jan 18 13:49:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 18 13:48:27 2023
Response via : Initial Calibration

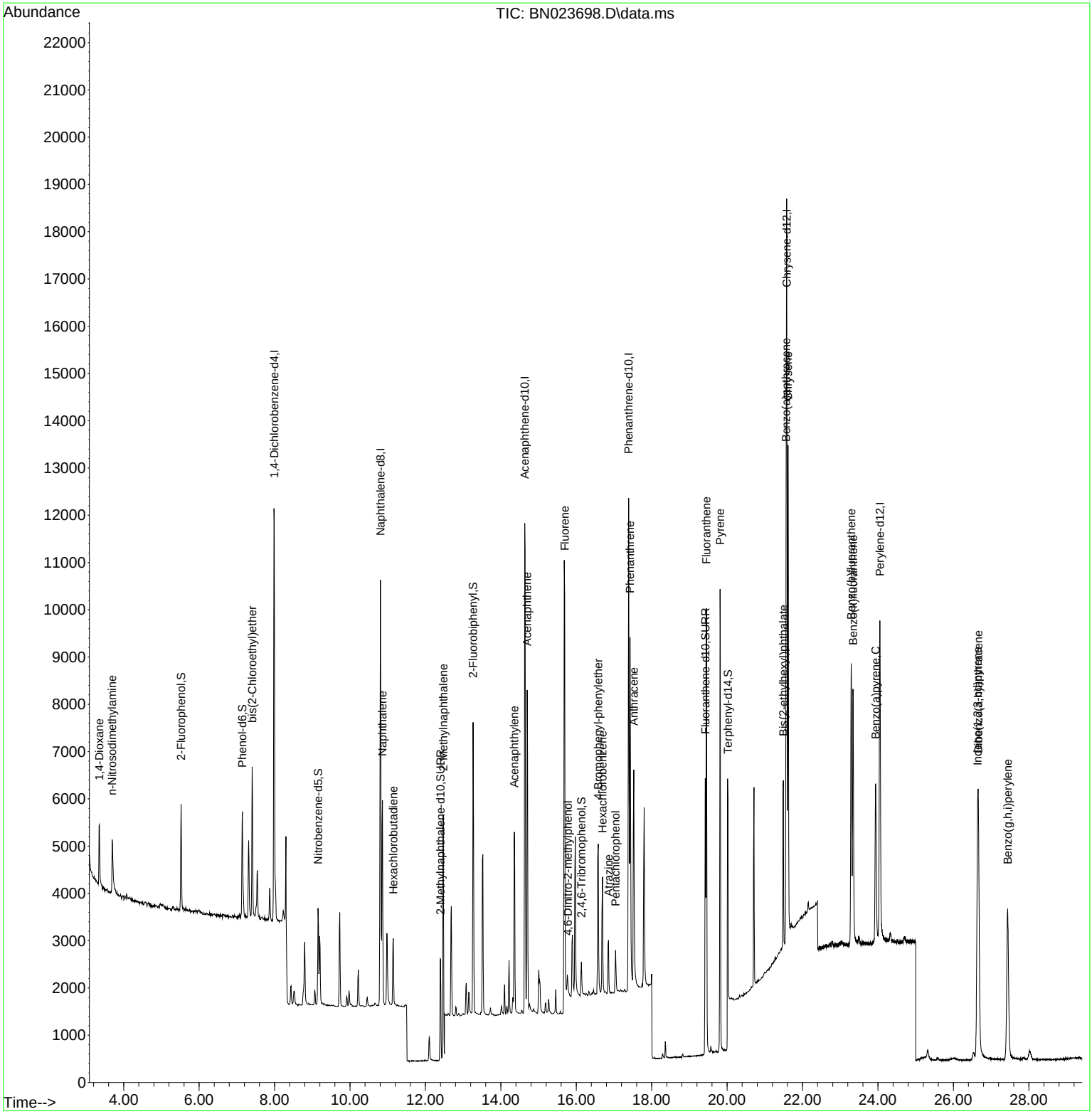
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.992	152	4261	0.400	ng		0.00
7) Naphthalene-d8	10.808	136	11341	0.400	ng		0.00
13) Acenaphthene-d10	14.634	164	6262	0.400	ng		-0.01
19) Phenanthrene-d10	17.390	188	14165	0.400	ng		0.00
29) Chrysene-d12	21.580	240	12228	0.400	ng		0.00
35) Perylene-d12	24.050	264	10286	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.522	112	1777	0.188	ng		0.00
5) Phenol-d6	7.147	99	2069	0.179	ng		0.00
8) Nitrobenzene-d5	9.153	82	1681	0.189	ng		0.00
11) 2-Methylnaphthalene-d10	12.397	152	2891	0.175	ng		0.00
14) 2,4,6-Tribromophenol	16.136	330	477	0.155	ng		0.00
15) 2-Fluorobiphenyl	13.266	172	5205	0.210	ng		0.00
27) Fluoranthene-d10	19.422	212	6426	0.186	ng		0.00
31) Terphenyl-d14	20.022	244	3769	0.132	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.355	88	869	0.212	ng		95
3) n-Nitrosodimethylamine	3.694	42	988	0.200	ng	#	97
6) bis(2-Chloroethyl)ether	7.407	93	2256	0.201	ng		99
9) Naphthalene	10.861	128	5684	0.196	ng		98
10) Hexachlorobutadiene	11.150	225	1163	0.199	ng	#	99
12) 2-Methylnaphthalene	12.473	142	4116	0.197	ng		99
16) Acenaphthylene	14.356	152	4384	0.168	ng		99
17) Acenaphthene	14.698	154	3317	0.189	ng		99
18) Fluorene	15.693	166	4819	0.197	ng		99
20) 4,6-Dinitro-2-methylph...	15.776	198	346	0.157	ng	#	51
21) 4-Bromophenyl-phenylether	16.583	248	1466	0.176	ng		97
22) Hexachlorobenzene	16.695	284	1857	0.185	ng		100
23) Atrazine	16.856	200	1077	0.168	ng		97
24) Pentachlorophenol	17.042	266	525	0.142	ng		91
25) Phenanthrene	17.427	178	7684	0.190	ng		99
26) Anthracene	17.526	178	5950	0.178	ng		99
28) Fluoranthene	19.452	202	8398	0.185	ng		99
30) Pyrene	19.814	202	8544	0.187	ng		100
32) Benzo(a)anthracene	21.563	228	7210	0.177	ng		98
33) Chrysene	21.616	228	8560	0.205	ng		99
34) Bis(2-ethylhexyl)phtha...	21.491	149	3650	0.146	ng		98
36) Indeno(1,2,3-cd)pyrene	26.641	276	8607	0.224	ng		100
37) Benzo(b)fluoranthene	23.290	252	7782	0.197	ng	#	92
38) Benzo(k)fluoranthene	23.340	252	7899m	0.203	ng		
39) Benzo(a)pyrene	23.936	252	5540	0.184	ng	#	87
40) Dibenzo(a,h)anthracene	26.661	278	6829	0.233	ng		94
41) Benzo(g,h,i)perylene	27.439	276	7404	0.219	ng		98

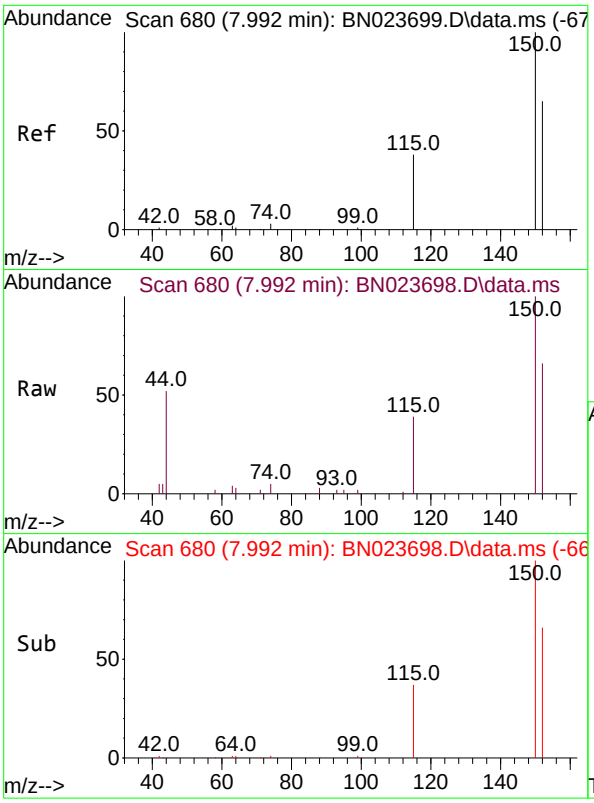
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011823\
Data File : BN023698.D
Acq On : 18 Jan 2023 11:58
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jan 18 13:49:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 18 13:48:27 2023
Response via : Initial Calibration



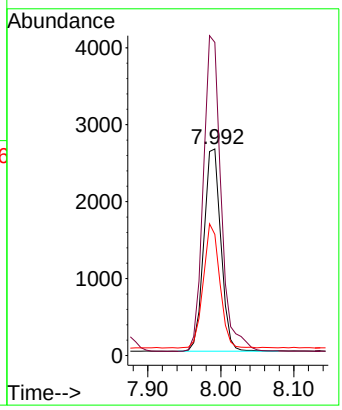


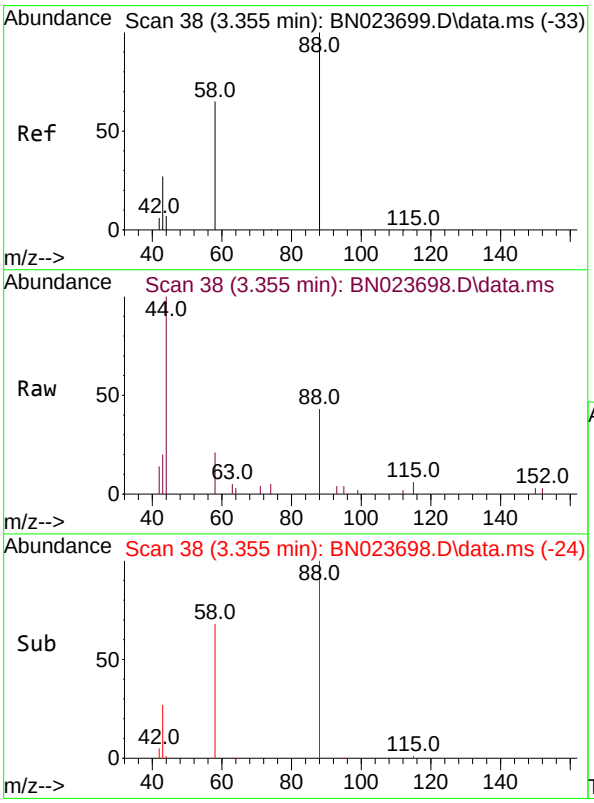
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.992 min Scan# 68
Delta R.T. -0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 4261

Ion	Ratio	Lower	Upper
152	100		
150	151.6	122.4	183.6
115	58.6	48.2	72.4

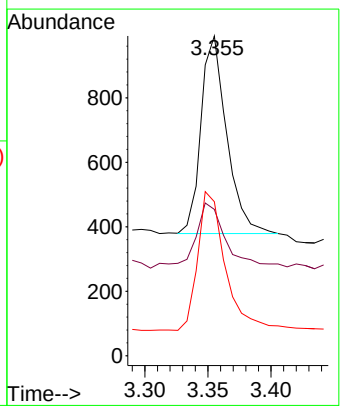


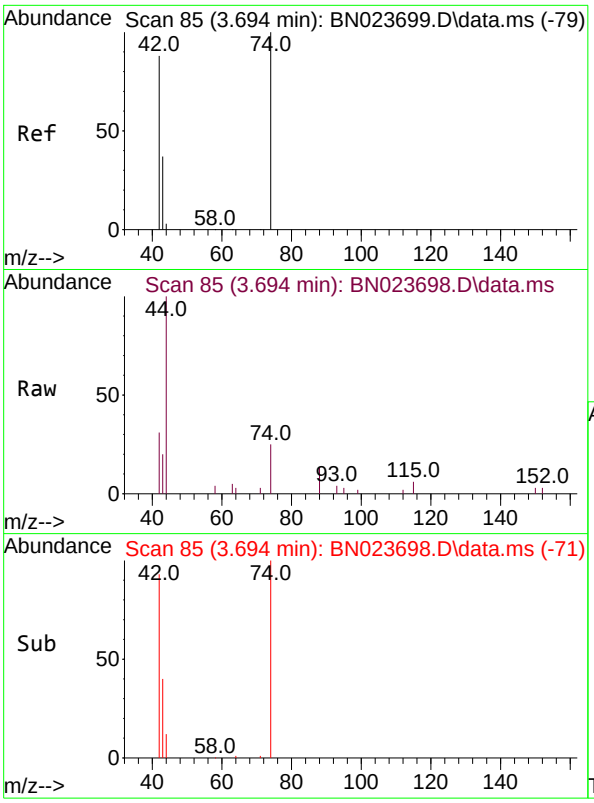


#2
1,4-Dioxane
Concen: 0.212 ng
RT: 3.355 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion: 88 Resp: 869

Ion	Ratio	Lower	Upper
88	100		
43	38.9	26.8	40.2
58	75.3	58.5	87.7



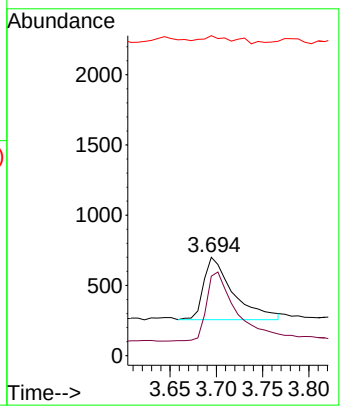


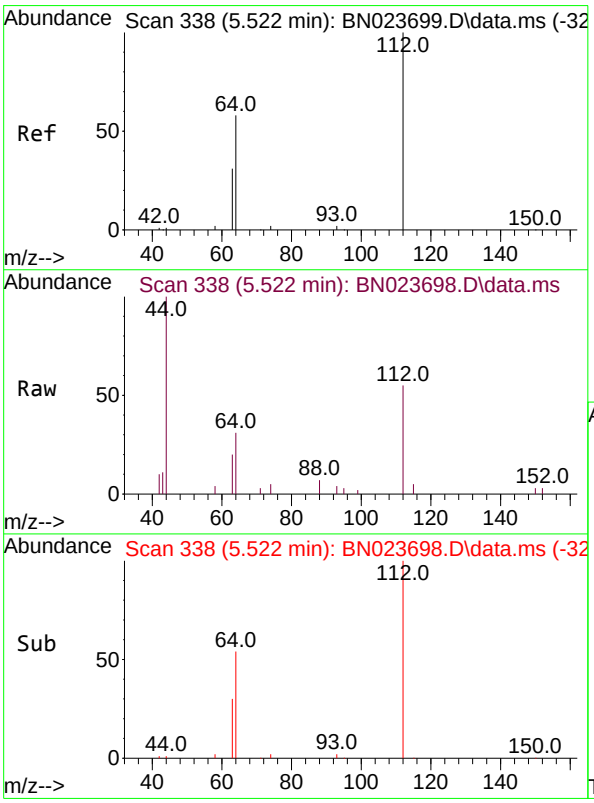
#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.694 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 988

Ion	Ratio	Lower	Upper
42	100		
74	111.9	87.4	131.2
44	9.1	9.4	14.2#

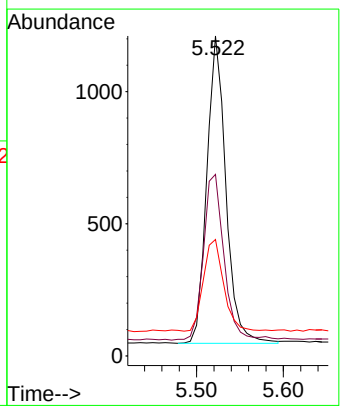


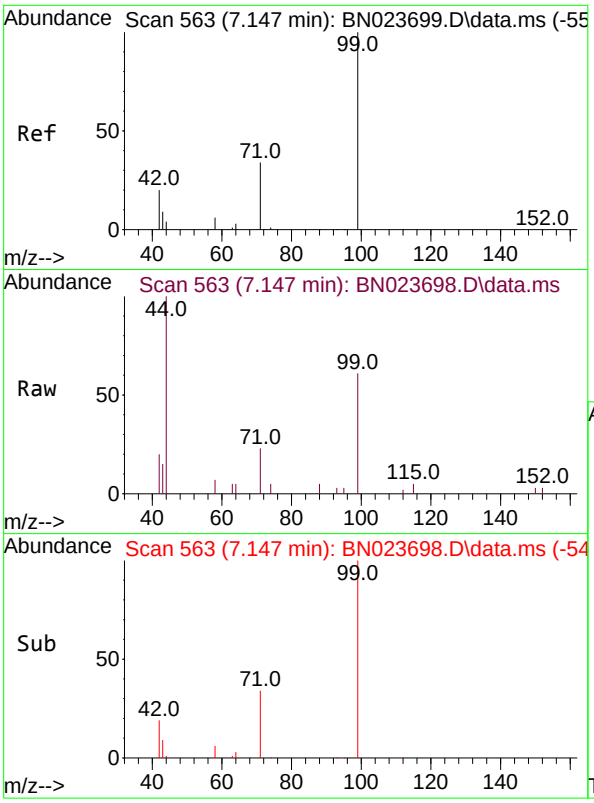


#4
2-Fluorophenol
Concen: 0.188 ng
RT: 5.522 min Scan# 338
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:112 Resp: 1777

Ion	Ratio	Lower	Upper
112	100		
64	58.5	45.8	68.8
63	31.6	25.3	37.9



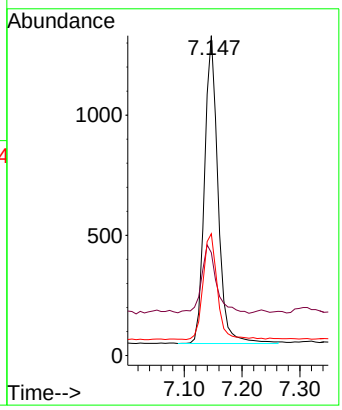


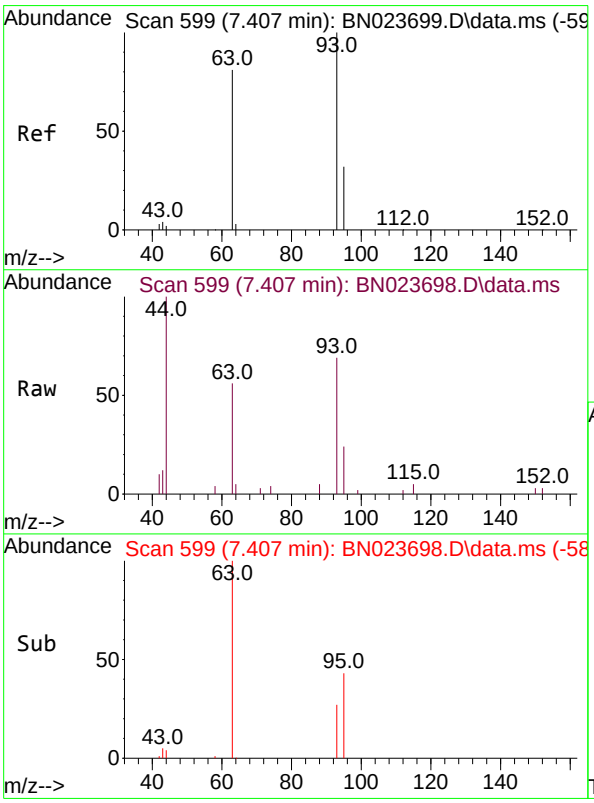
#5
Phenol-d6
Concen: 0.179 ng
RT: 7.147 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 2069

Ion	Ratio	Lower	Upper
99	100		
42	24.6	19.4	29.0
71	36.2	28.7	43.1

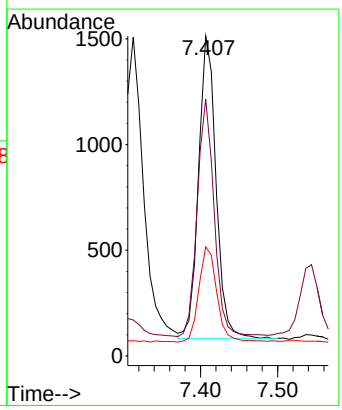


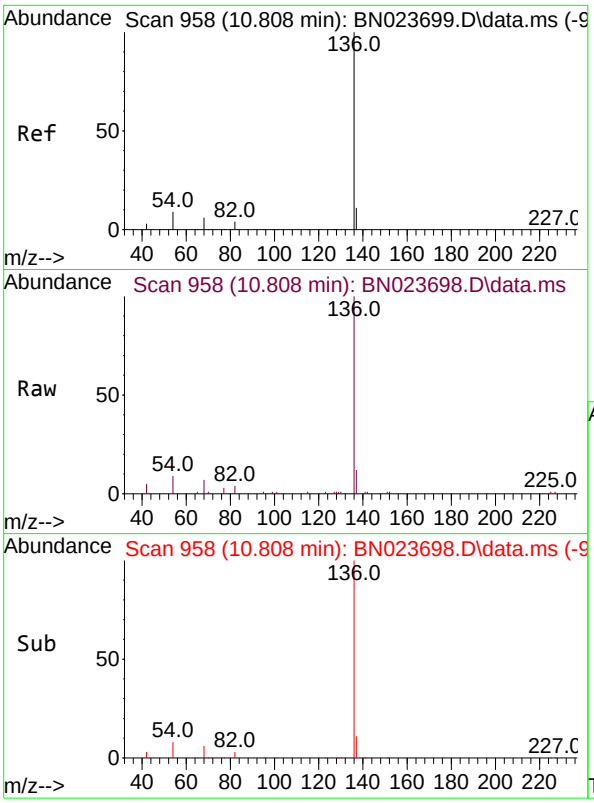


#6
bis(2-Chloroethyl)ether
Concen: 0.201 ng
RT: 7.407 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion: 93 Resp: 2256

Ion	Ratio	Lower	Upper
93	100		
63	76.3	61.8	92.6
95	32.7	25.9	38.9



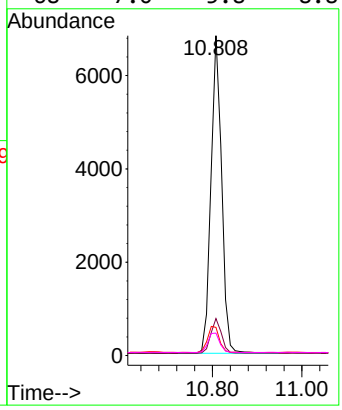


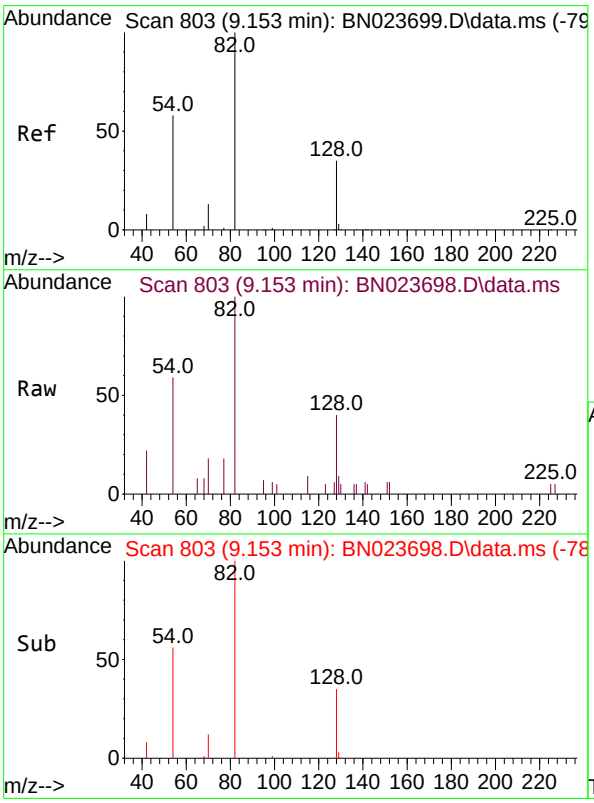
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.808 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 11341

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	8.8	7.5	11.3
68	7.0	5.8	8.8

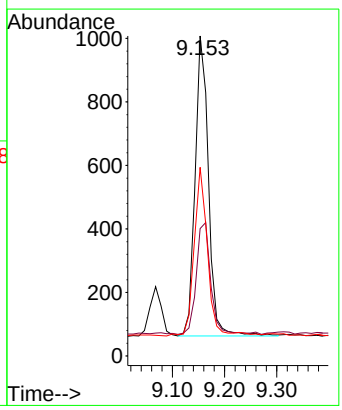


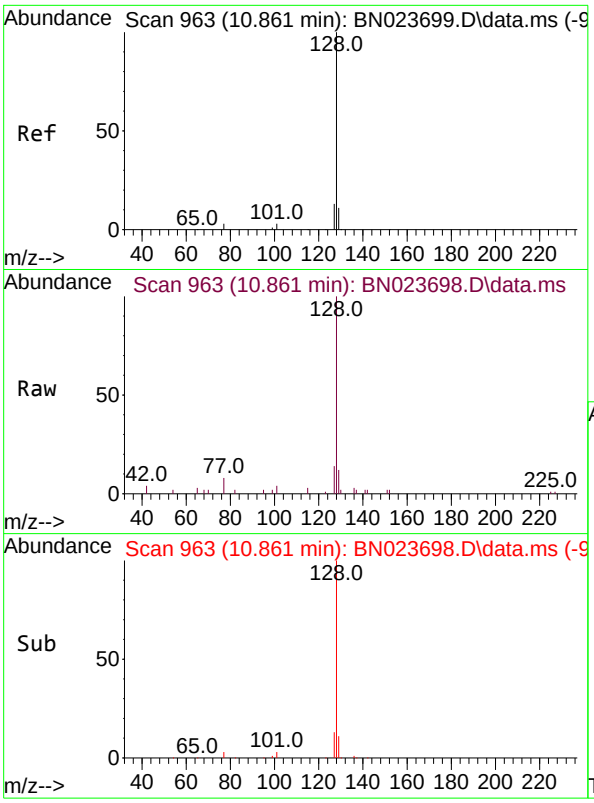


#8
Nitrobenzene-d5
Concen: 0.189 ng
RT: 9.153 min Scan# 803
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion: 82 Resp: 1681

Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.2	45.2
54	58.9	47.3	70.9



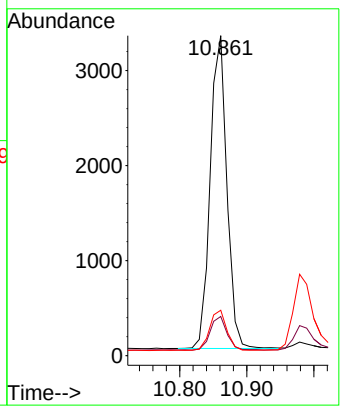


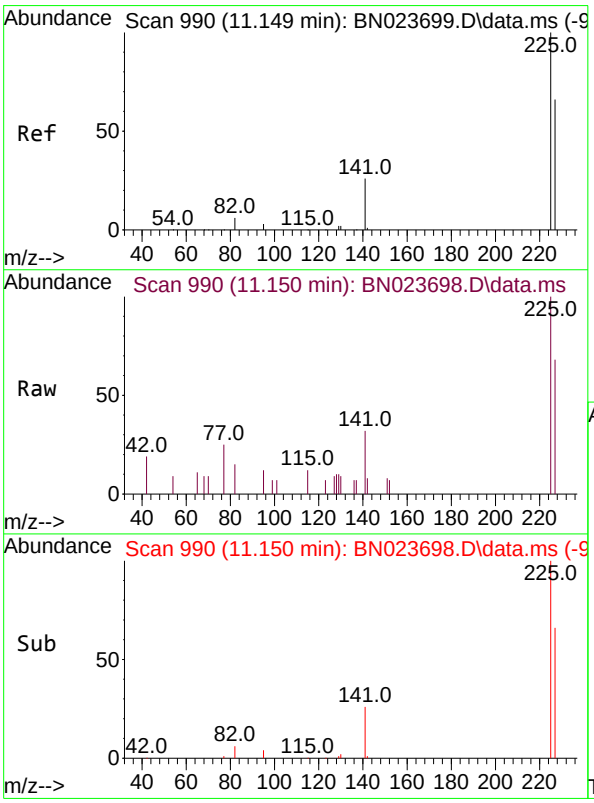
#9
Naphthalene
Concen: 0.196 ng
RT: 10.861 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 5684

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.2	13.8
127	14.2	10.9	16.3

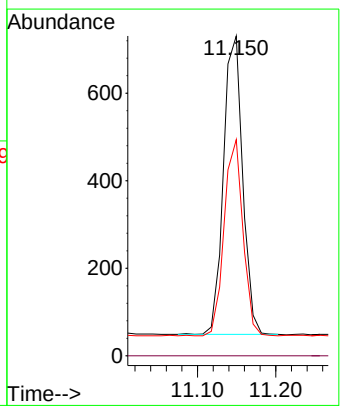


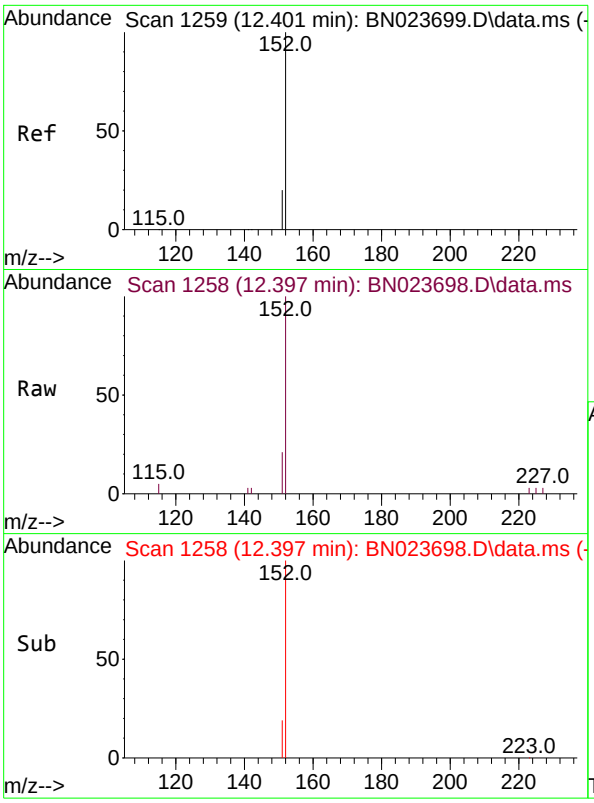


#10
Hexachlorobutadiene
Concen: 0.199 ng
RT: 11.150 min Scan# 990
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:225 Resp: 1163

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



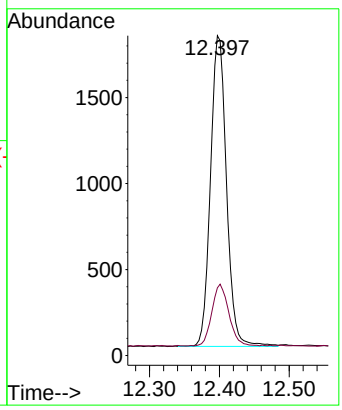


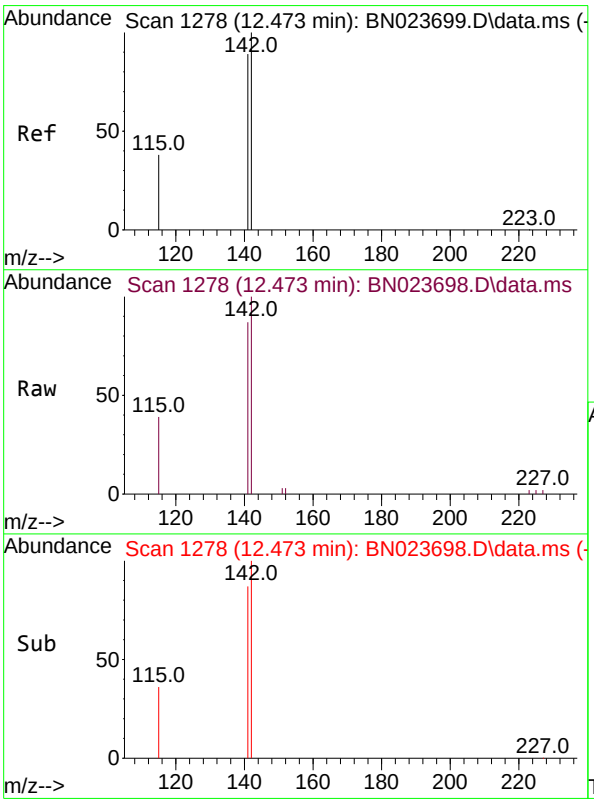
#11
2-Methylnaphthalene-d10
Concen: 0.175 ng
RT: 12.397 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2891

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7

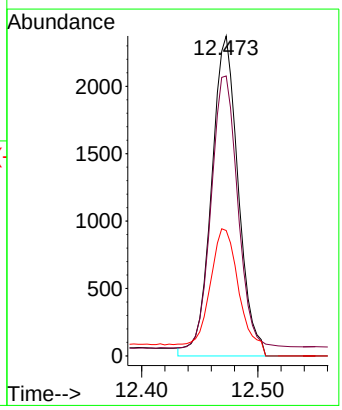


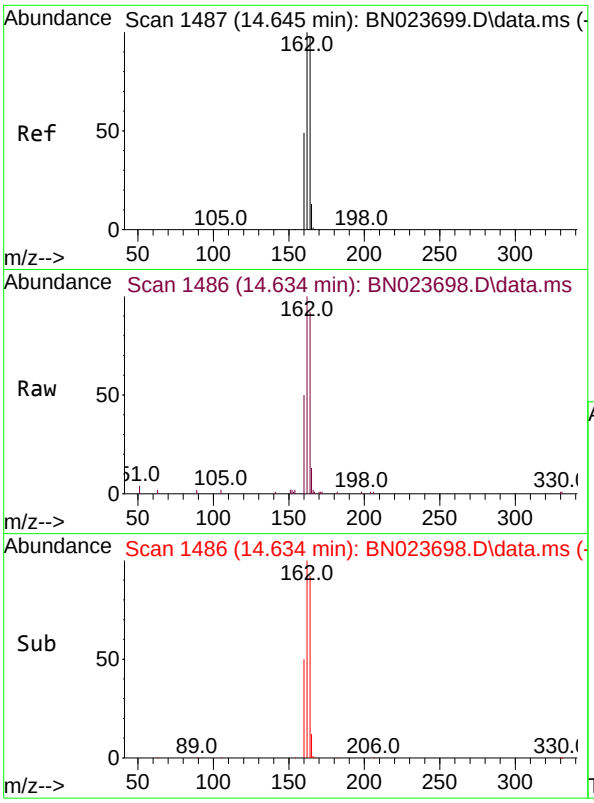


#12
2-Methylnaphthalene
Concen: 0.197 ng
RT: 12.473 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:142 Resp: 4116

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.4	107.0
115	39.2	31.2	46.8



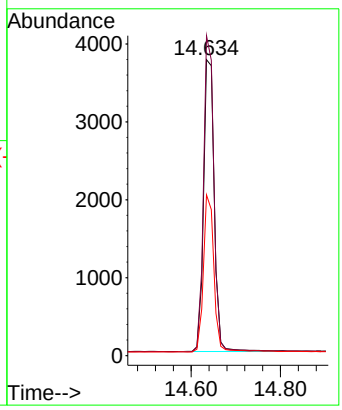


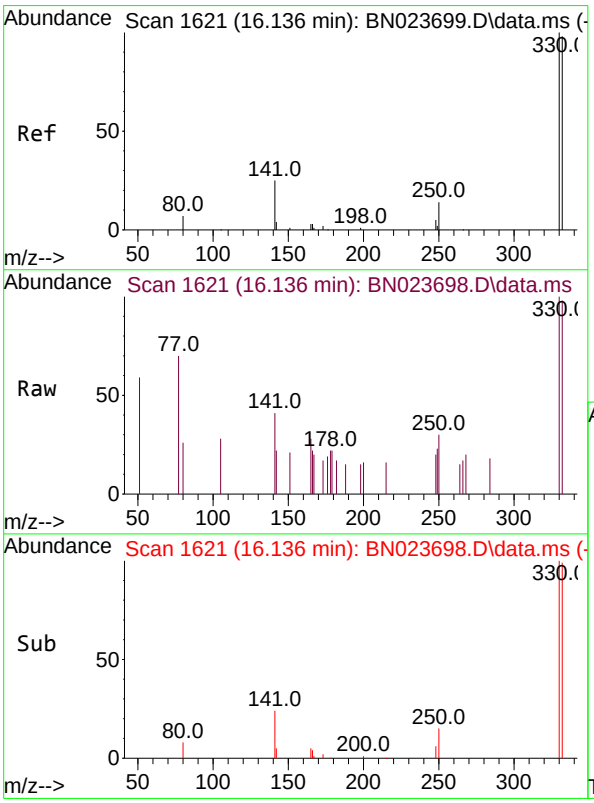
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.634 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 6262

Ion	Ratio	Lower	Upper
164	100		
162	108.1	81.8	122.6
160	54.3	40.3	60.5

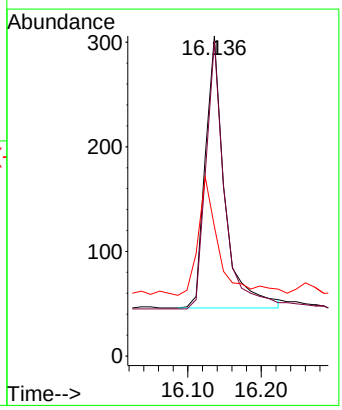


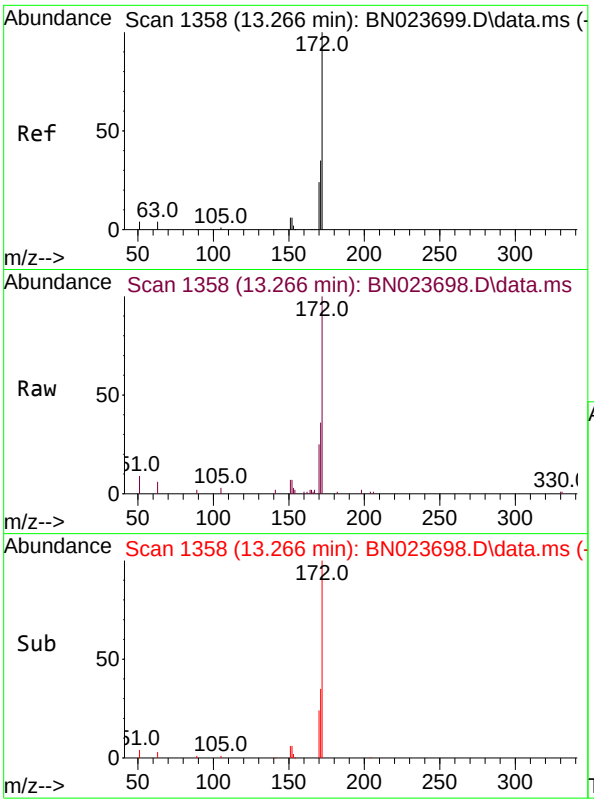


#14
2,4,6-Tribromophenol
Concen: 0.155 ng
RT: 16.136 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:330 Resp: 477

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	46.5	35.0	52.4



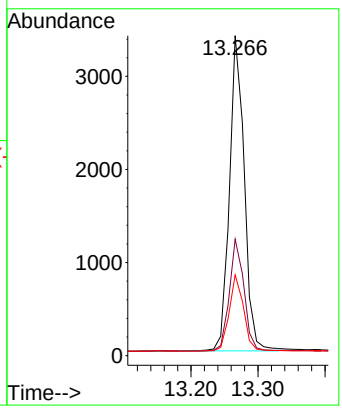


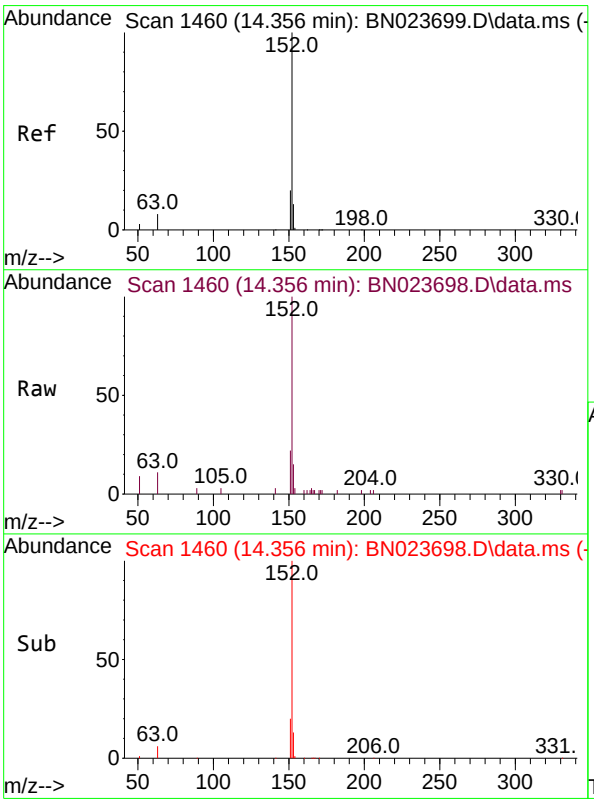
#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 13.266 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 5205

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	25.2	20.0	30.0

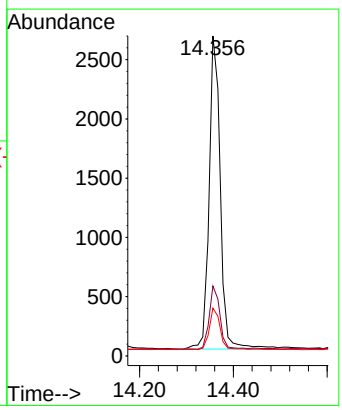


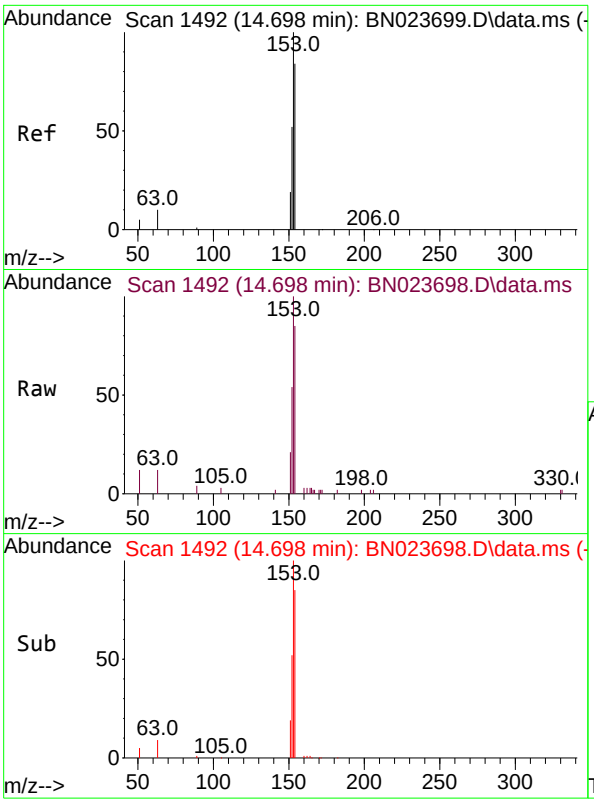


#16
Acenaphthylene
Concen: 0.168 ng
RT: 14.356 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:152 Resp: 4384

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	13.0	10.4	15.6



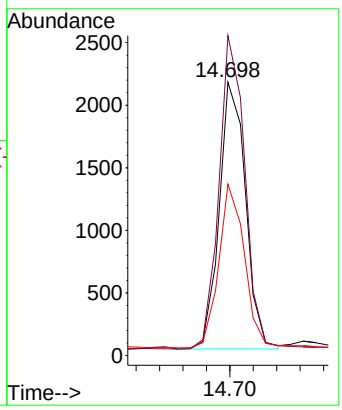


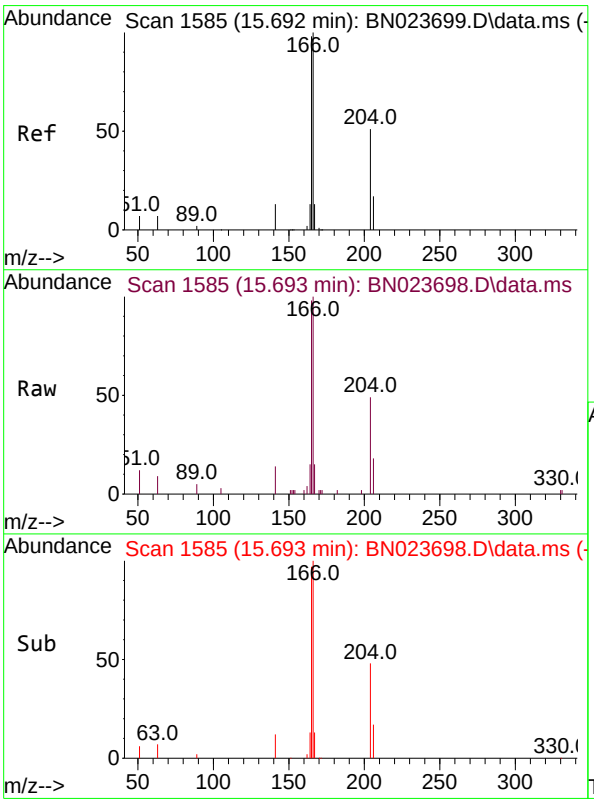
#17
Acenaphthene
Concen: 0.189 ng
RT: 14.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 3317

Ion	Ratio	Lower	Upper
154	100		
153	117.8	93.3	139.9
152	60.6	48.1	72.1

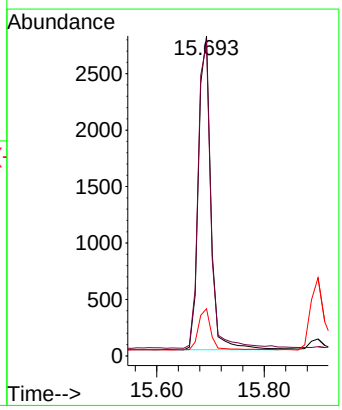


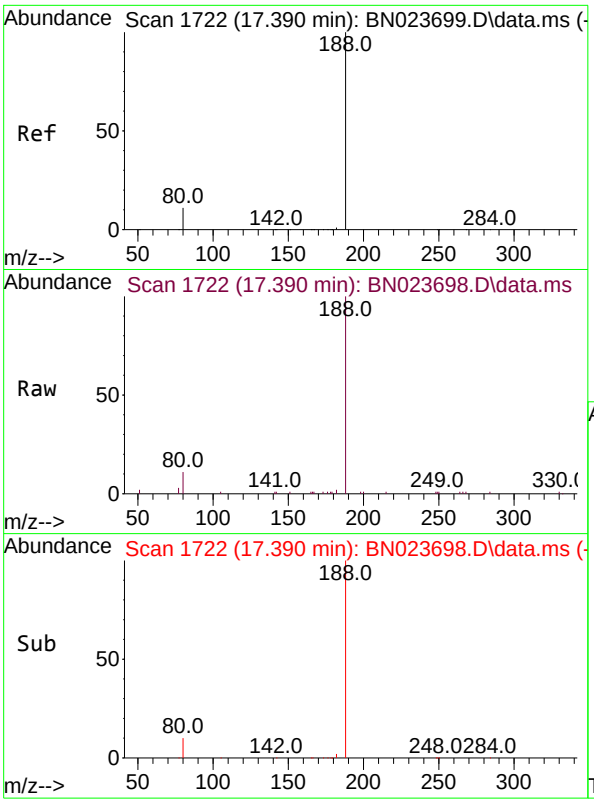


#18
Fluorene
Concen: 0.197 ng
RT: 15.693 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:166 Resp: 4819

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.6	121.0
167	13.3	10.8	16.2



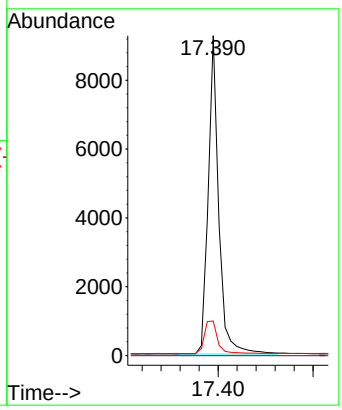


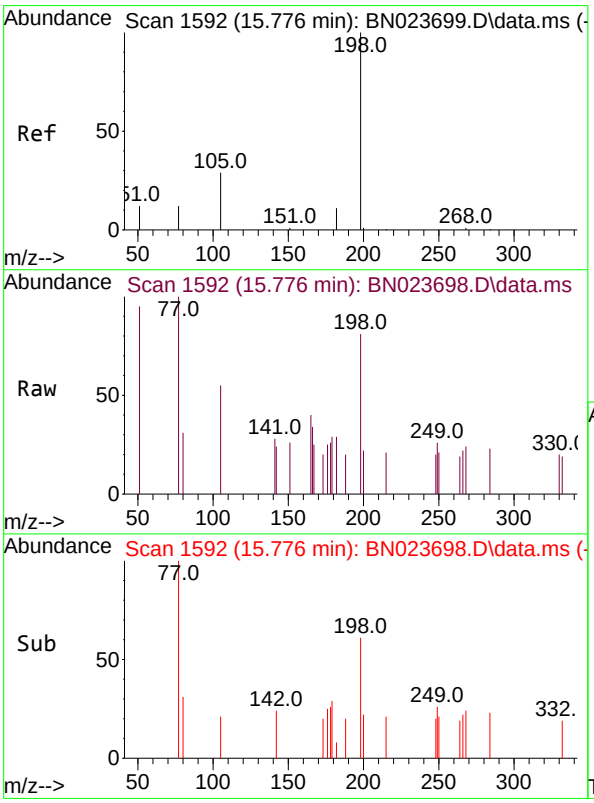
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 14165

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	9.5	14.3

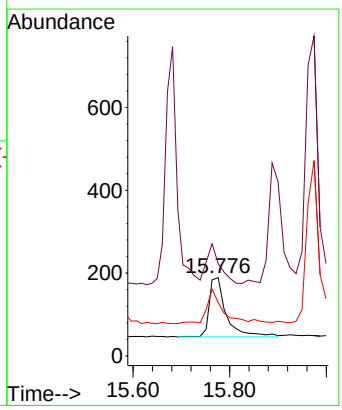


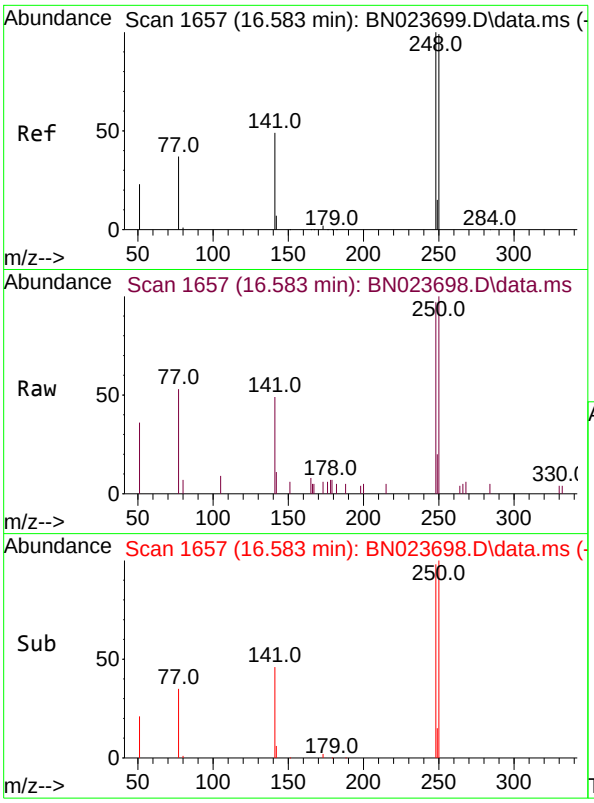


#20
4,6-Dinitro-2-methylphenol
Concen: 0.157 ng
RT: 15.776 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:198 Resp: 346

Ion	Ratio	Lower	Upper
198	100		
51	118.0	54.3	81.5#
105	68.3	38.6	58.0#



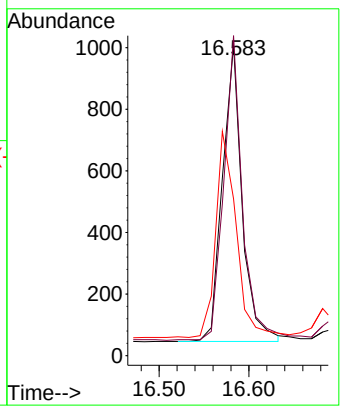


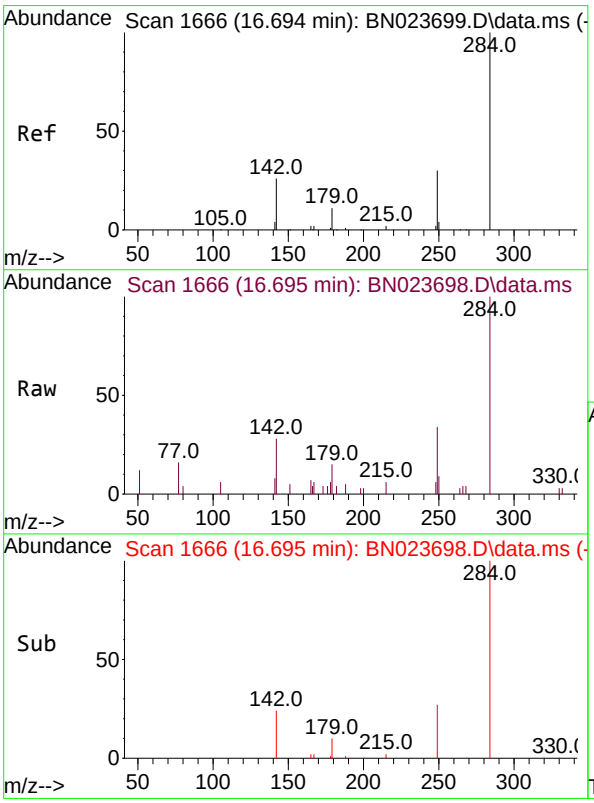
#21
4-Bromophenyl-phenylether
Concen: 0.176 ng
RT: 16.583 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1466

Ion	Ratio	Lower	Upper
248	100		
250	103.0	79.4	119.0
141	50.4	40.2	60.4

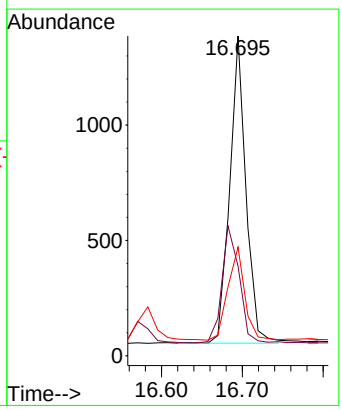


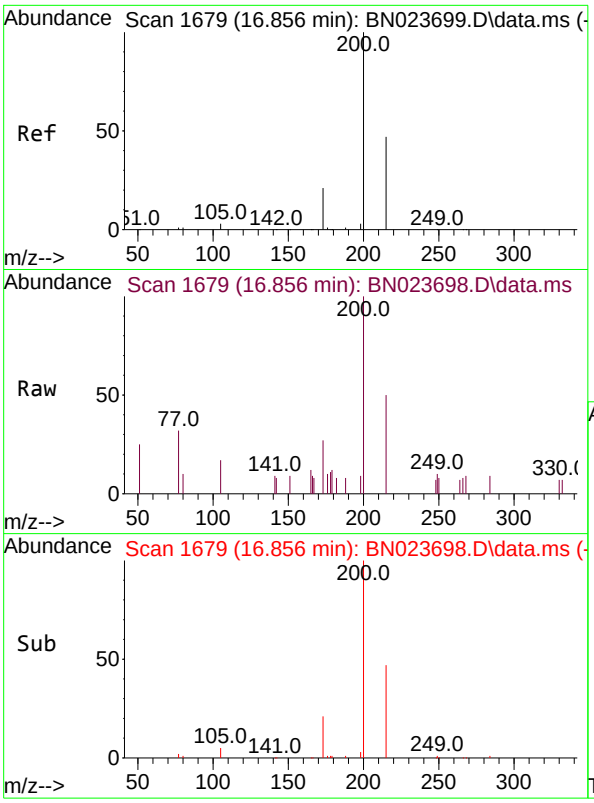


#22
Hexachlorobenzene
Concen: 0.185 ng
RT: 16.695 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:284 Resp: 1857

Ion	Ratio	Lower	Upper
284	100		
142	40.3	32.3	48.5
249	30.7	25.0	37.4



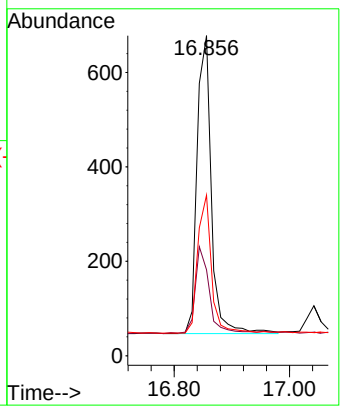


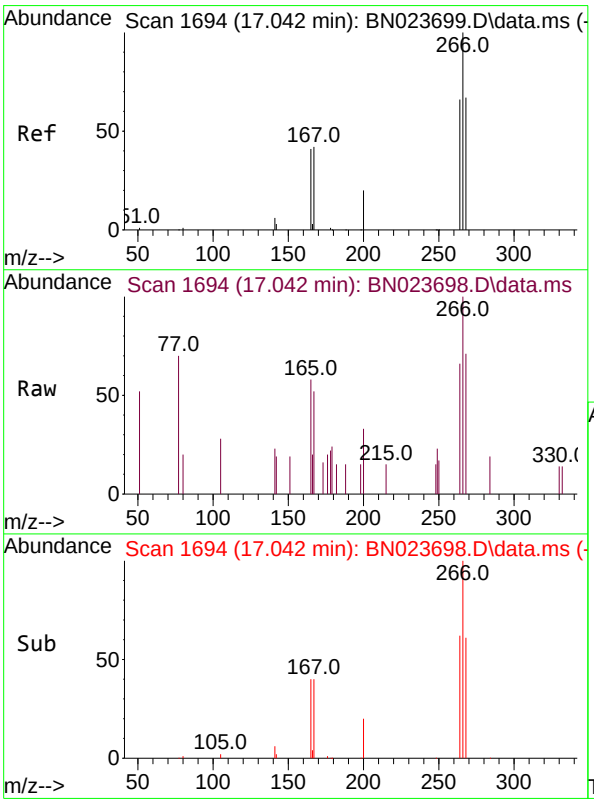
#23
Atrazine
Concen: 0.168 ng
RT: 16.856 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 1077

Ion	Ratio	Lower	Upper
200	100		
173	26.8	19.0	28.4
215	50.1	39.2	58.8

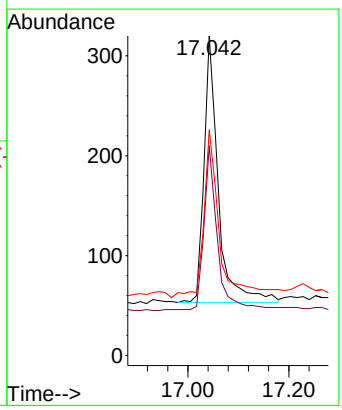


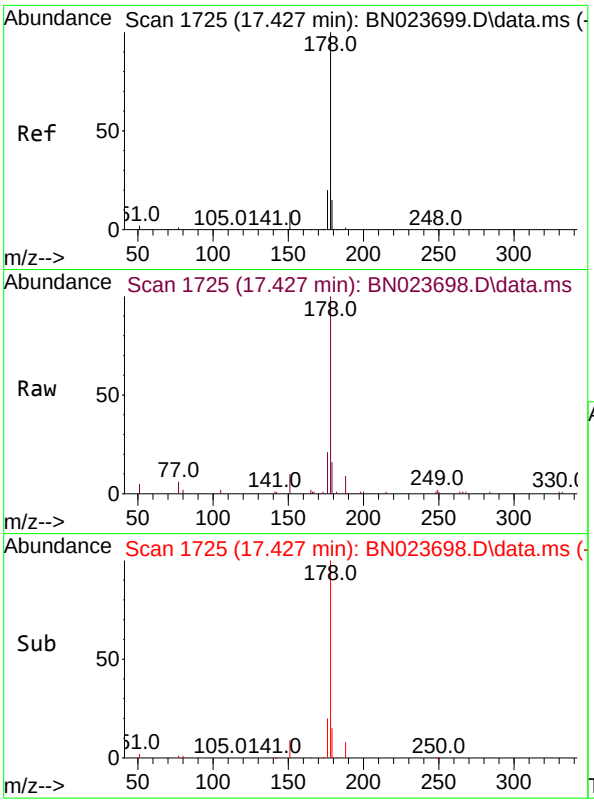


#24
Pentachlorophenol
Concen: 0.142 ng
RT: 17.042 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:266 Resp: 525

Ion	Ratio	Lower	Upper
266	100		
264	56.0	51.4	77.2
268	70.7	52.3	78.5



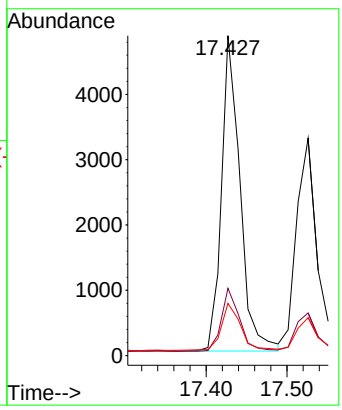


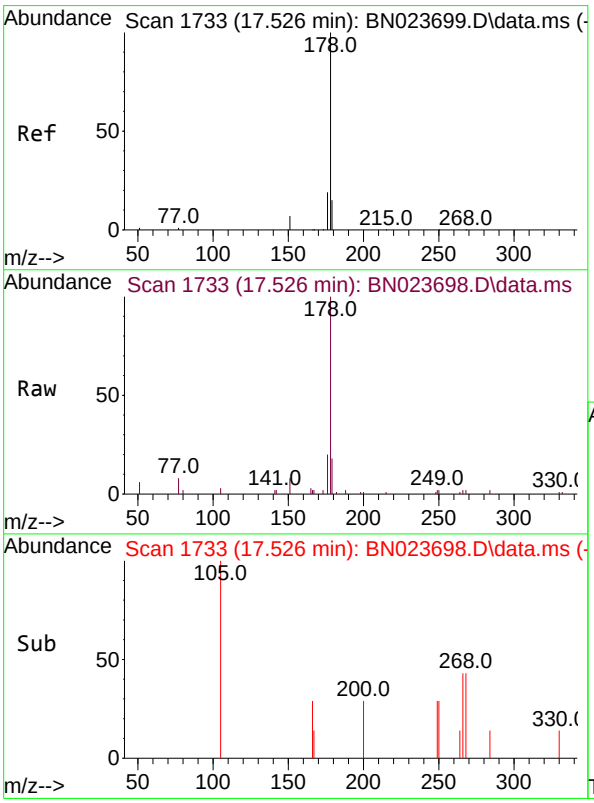
#25
Phenanthrene
Concen: 0.190 ng
RT: 17.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 7684

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.2	18.4

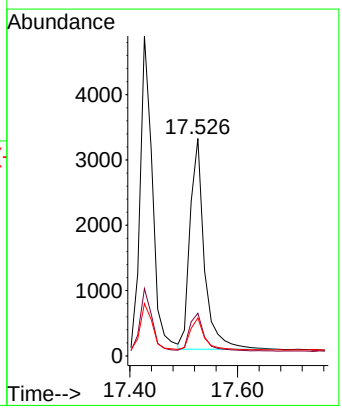


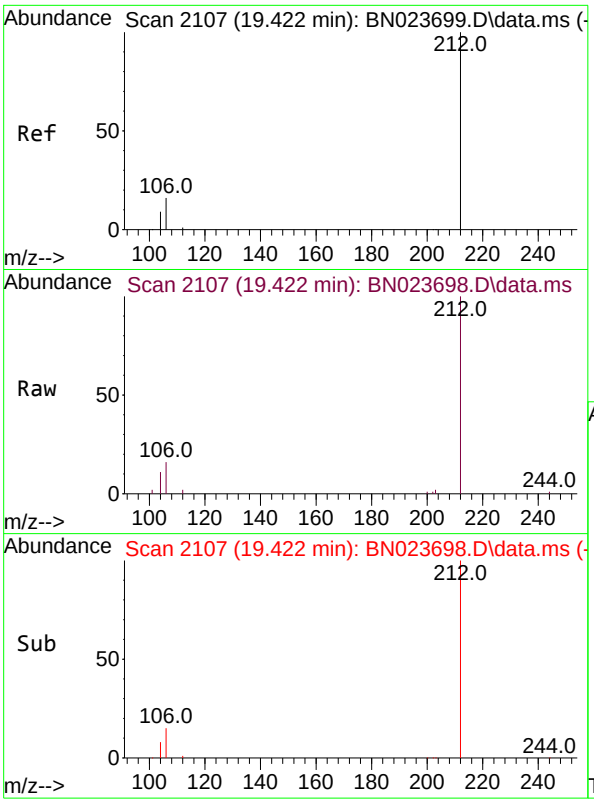


#26
Anthracene
Concen: 0.178 ng
RT: 17.526 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:178 Resp: 5950

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	14.7	12.0	18.0



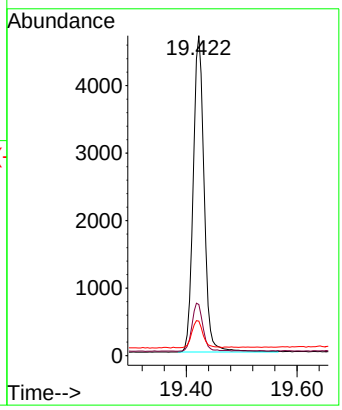


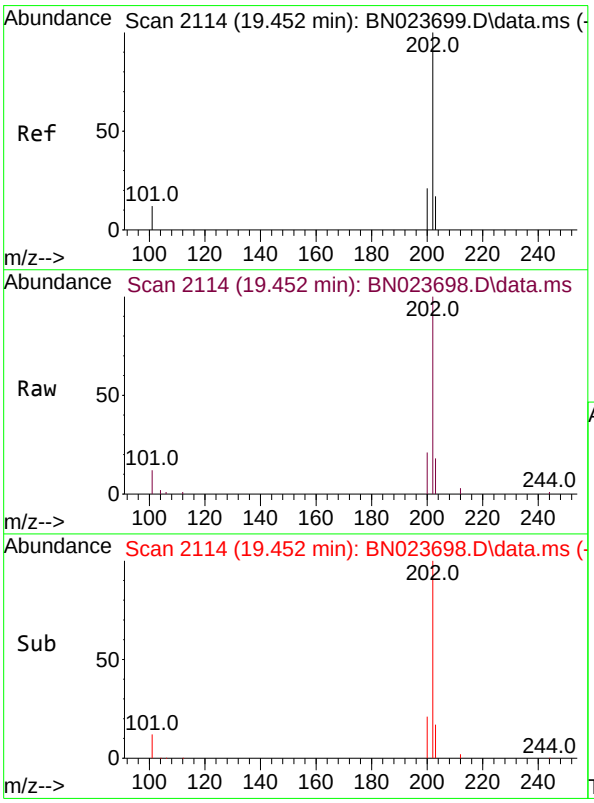
#27
Fluoranthene-d10
Concen: 0.186 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 6426

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.4	18.6
104	8.8	7.1	10.7

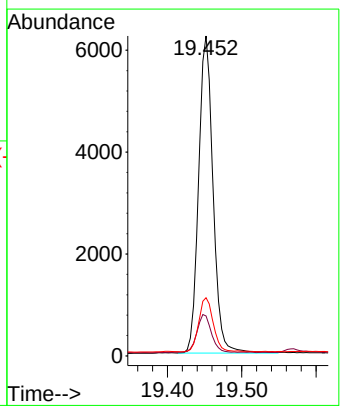


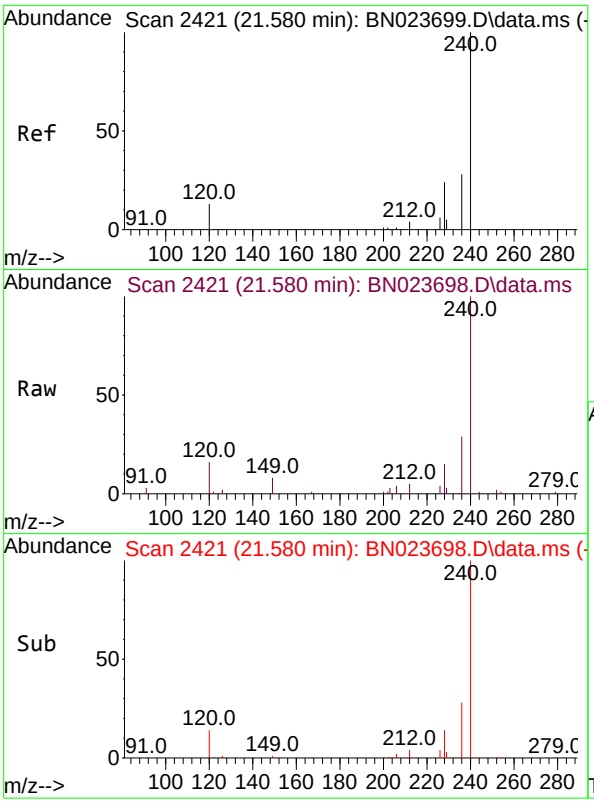


#28
Fluoranthene
Concen: 0.185 ng
RT: 19.452 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:202 Resp: 8398

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.7	14.5
203	17.1	13.6	20.4



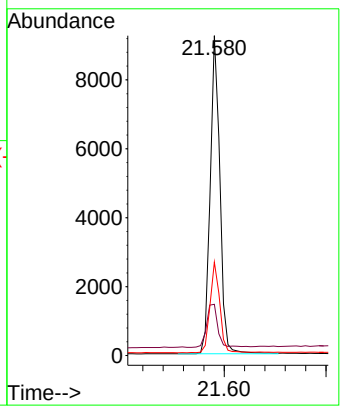


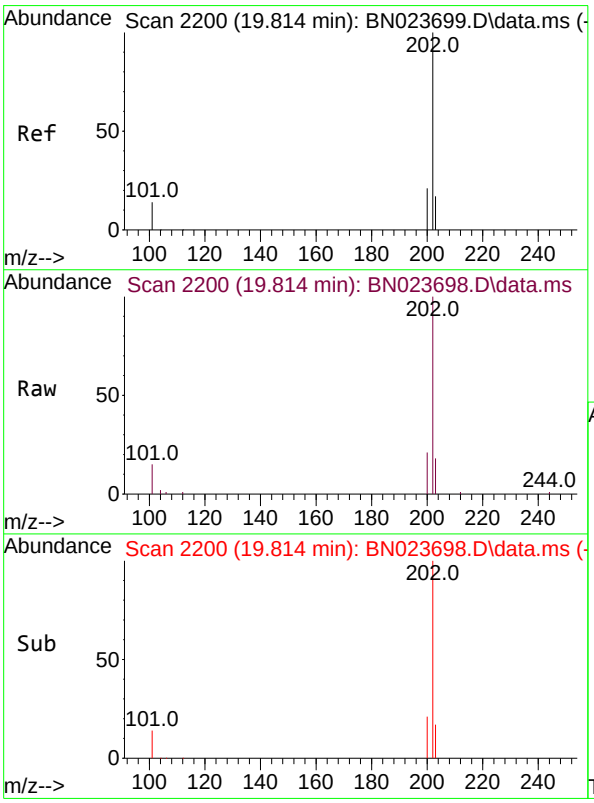
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.580 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 12228

Ion	Ratio	Lower	Upper
240	100		
120	16.0	12.0	18.0
236	29.2	22.8	34.2

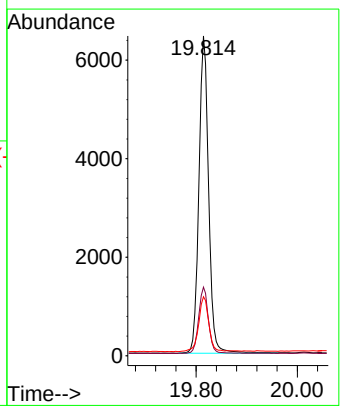


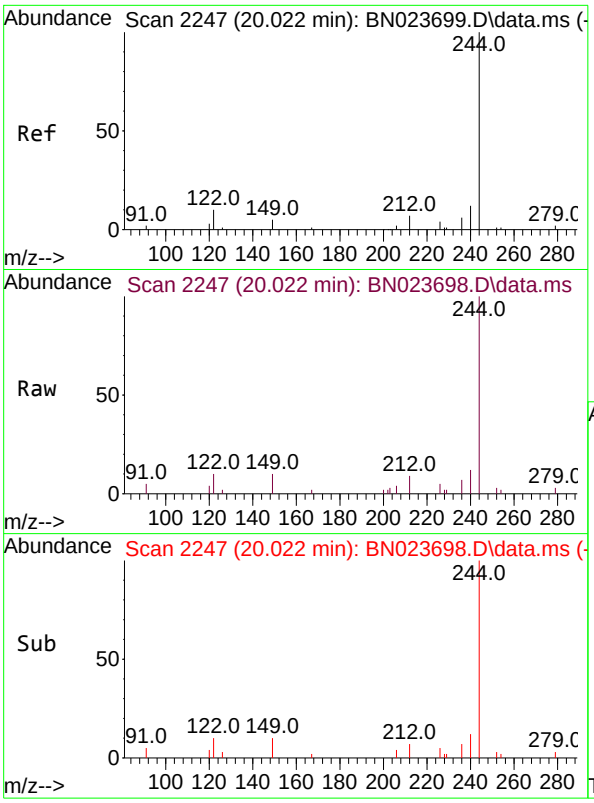


#30
Pyrene
Concen: 0.187 ng
RT: 19.814 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:202 Resp: 8544

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.0	14.4	21.6



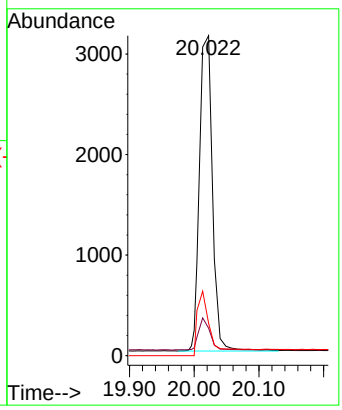


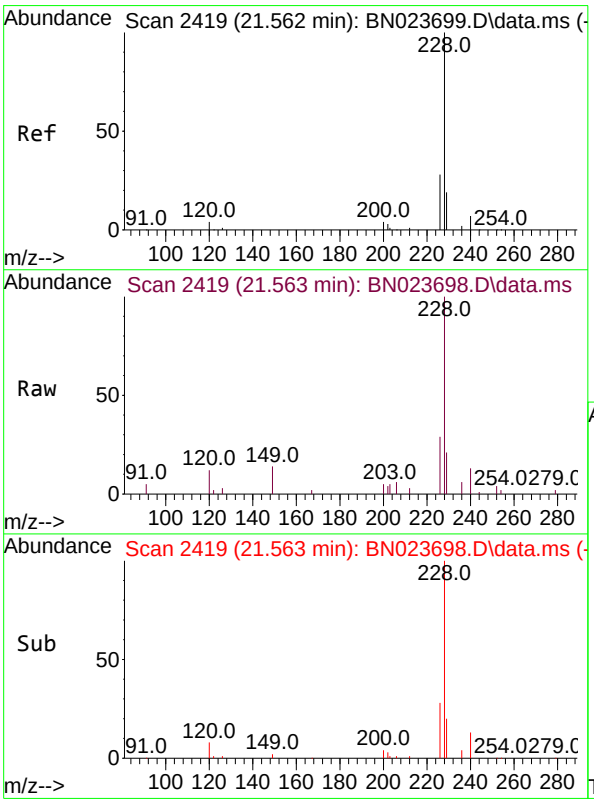
#31
Terphenyl-d14
Concen: 0.132 ng
RT: 20.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 3769

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	10.1	7.6	11.4

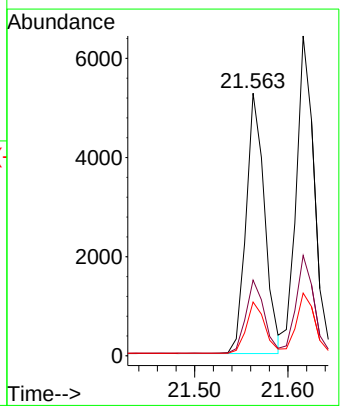


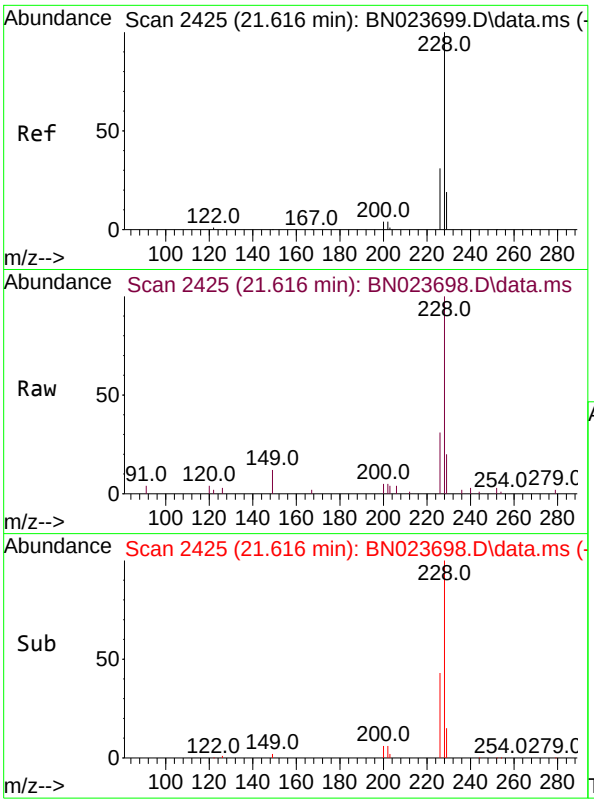


#32
Benzo(a)anthracene
Concen: 0.177 ng
RT: 21.563 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:228 Resp: 7210

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.4	33.6
229	20.5	15.5	23.3



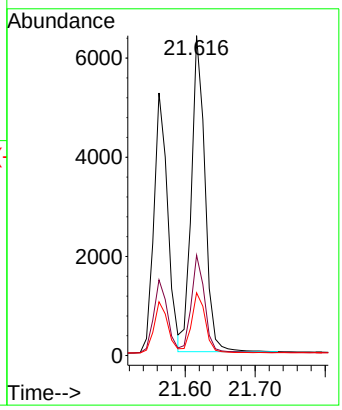


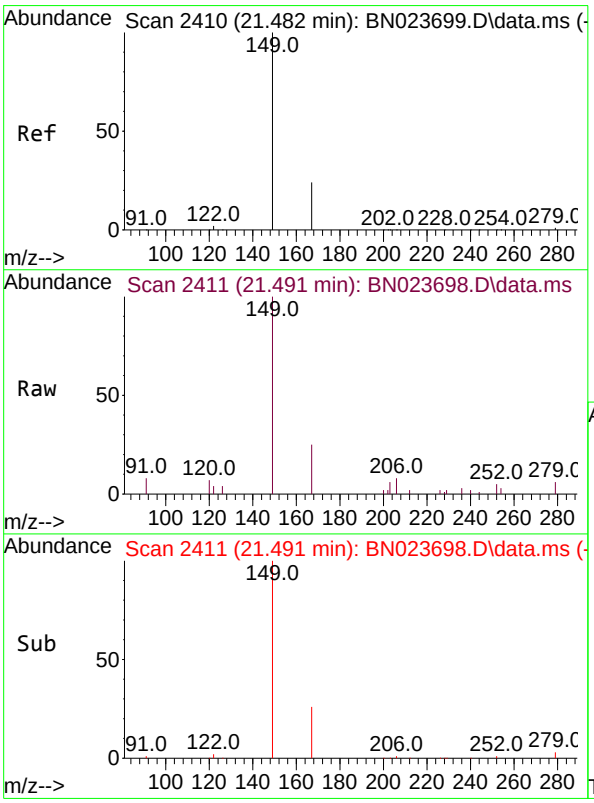
#33
Chrysene
Concen: 0.205 ng
RT: 21.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 8560

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.6	36.8
229	19.6	15.4	23.0

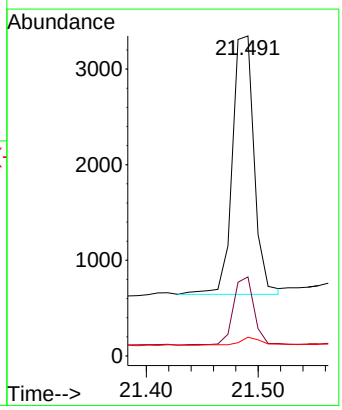


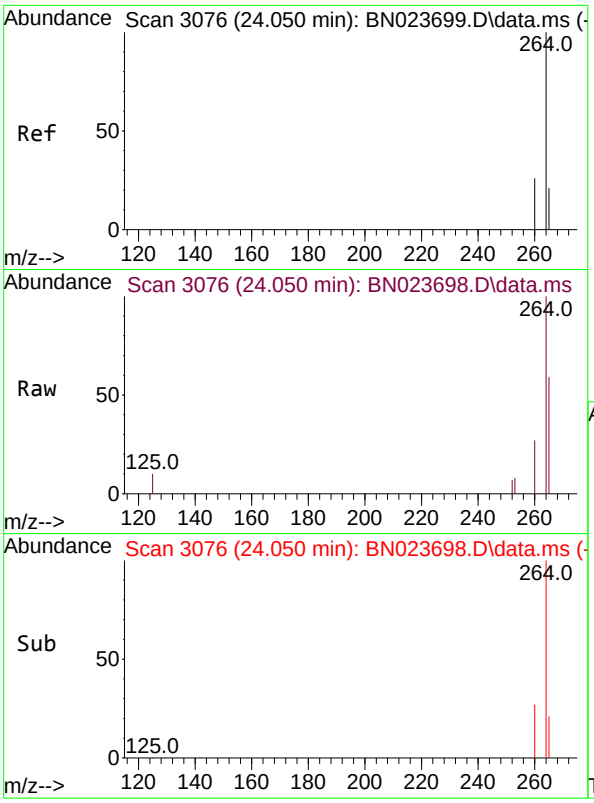


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.146 ng
RT: 21.491 min Scan# 2411
Delta R.T. 0.009 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:149 Resp: 3650

Ion	Ratio	Lower	Upper
149	100		
167	25.9	19.8	29.8
279	3.4	2.5	3.7



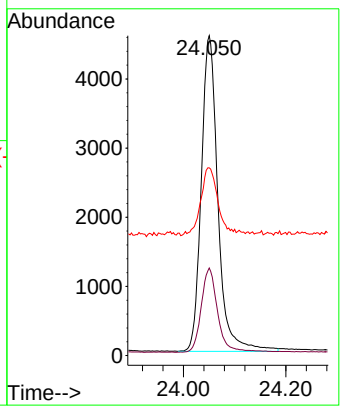


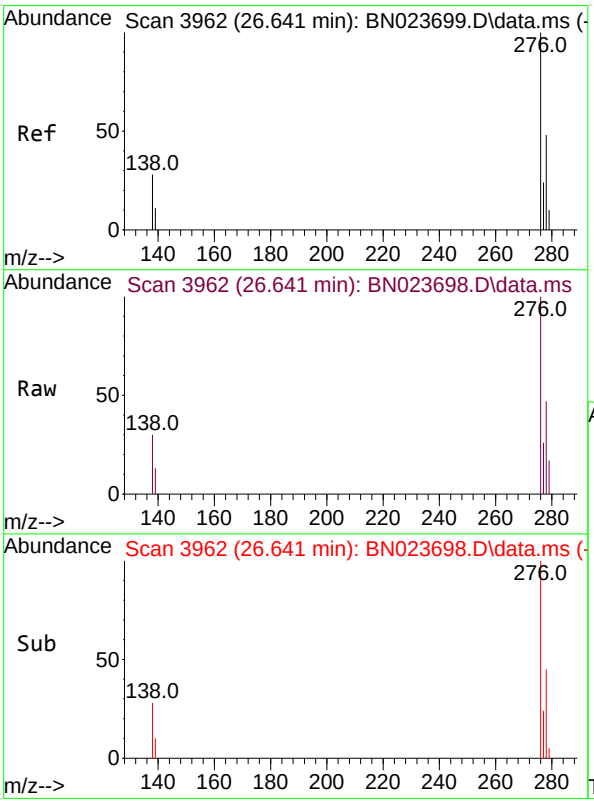
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.050 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 10286

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.0	31.6
265	58.7	49.9	74.9

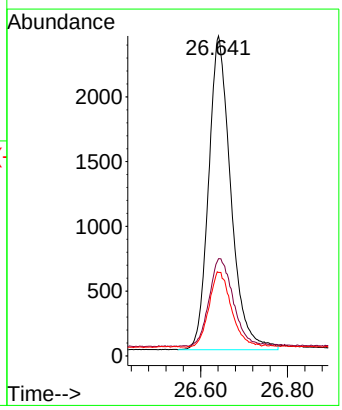


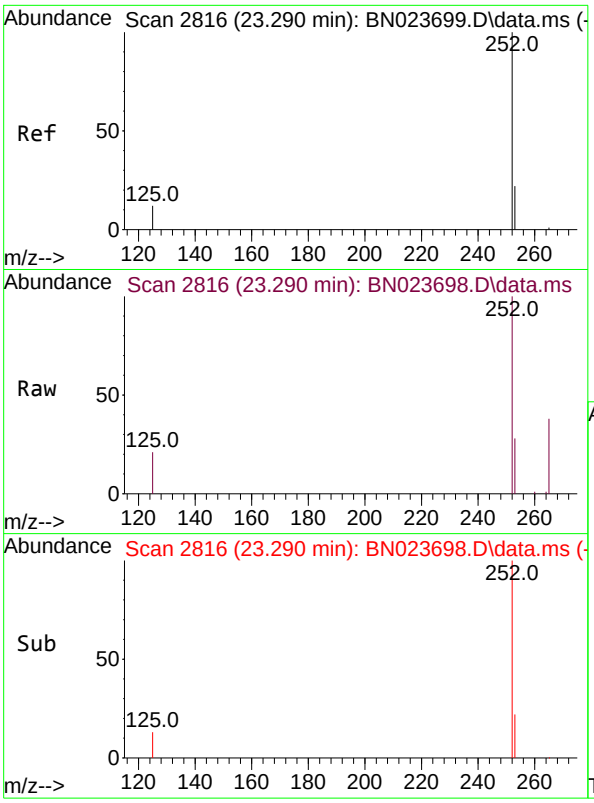


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.224 ng
RT: 26.641 min Scan# 3962
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:276 Resp: 8607

Ion	Ratio	Lower	Upper
276	100		
138	30.0	24.0	36.0
277	24.3	19.8	29.8



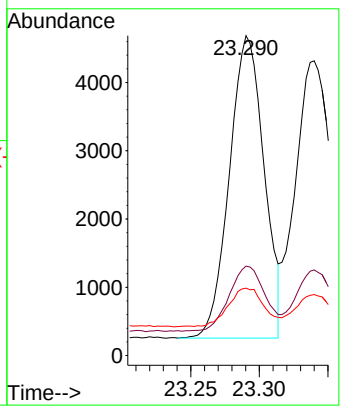


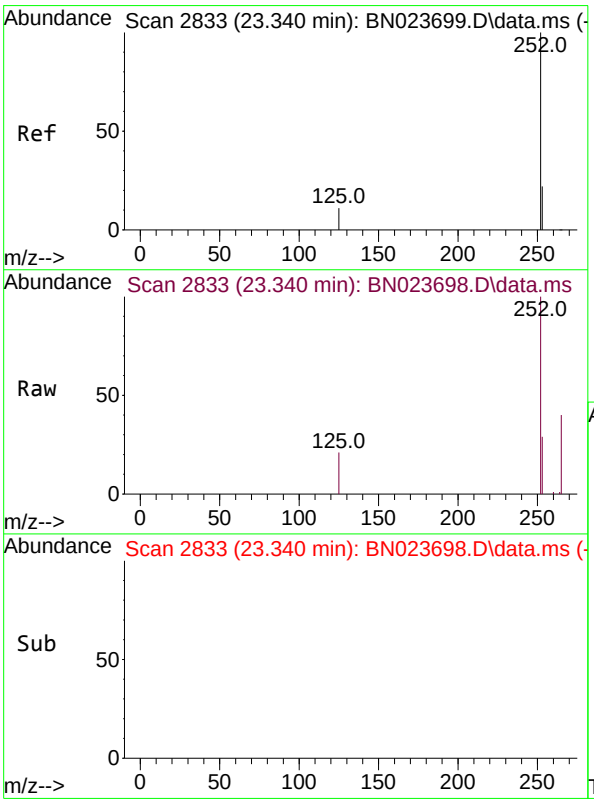
#37
Benzo(b)fluoranthene
Concen: 0.197 ng
RT: 23.290 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 7782

Ion	Ratio	Lower	Upper
252	100		
253	28.0	19.9	29.9
125	21.1	13.2	19.8#

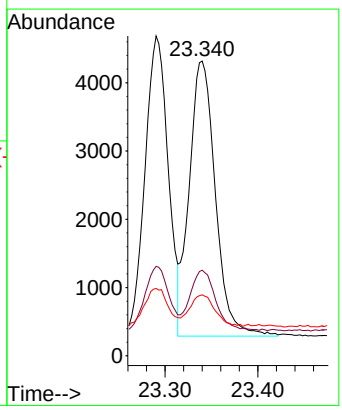


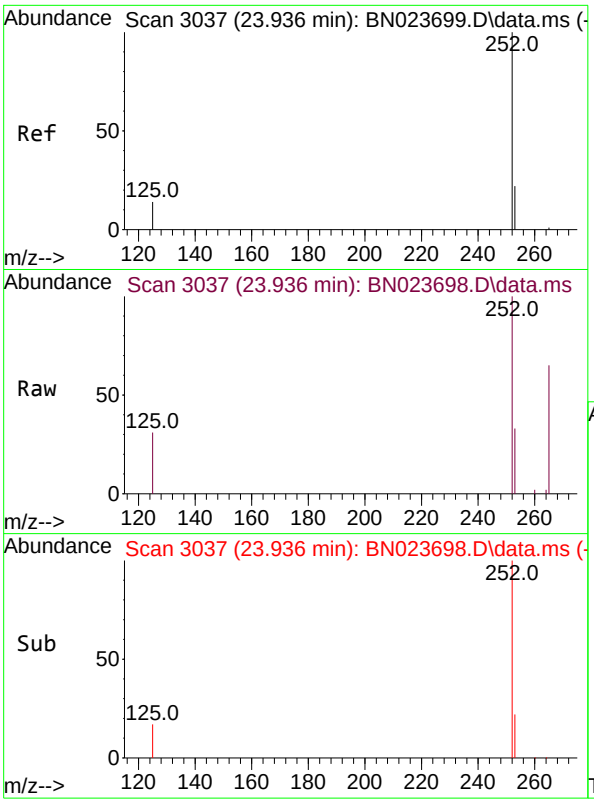


#38
Benzo(k)fluoranthene
Concen: 0.203 ng m
RT: 23.340 min Scan# 2833
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:252 Resp: 7899

Ion	Ratio	Lower	Upper
252	100		
253	29.1	20.2	30.2
125	20.7	12.8	19.2#



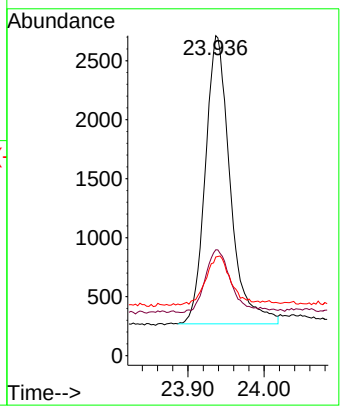


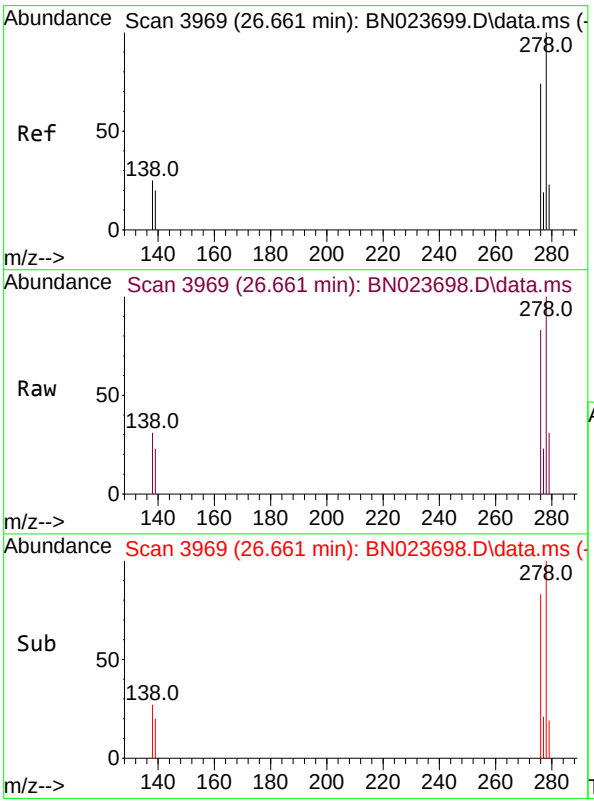
#39
Benzo(a)pyrene
Concen: 0.184 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 5540

Ion	Ratio	Lower	Upper
252	100		
253	33.1	22.4	33.6
125	30.8	17.7	26.5#

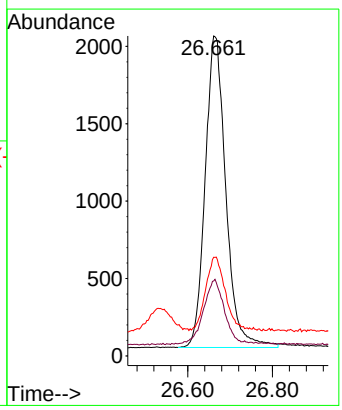


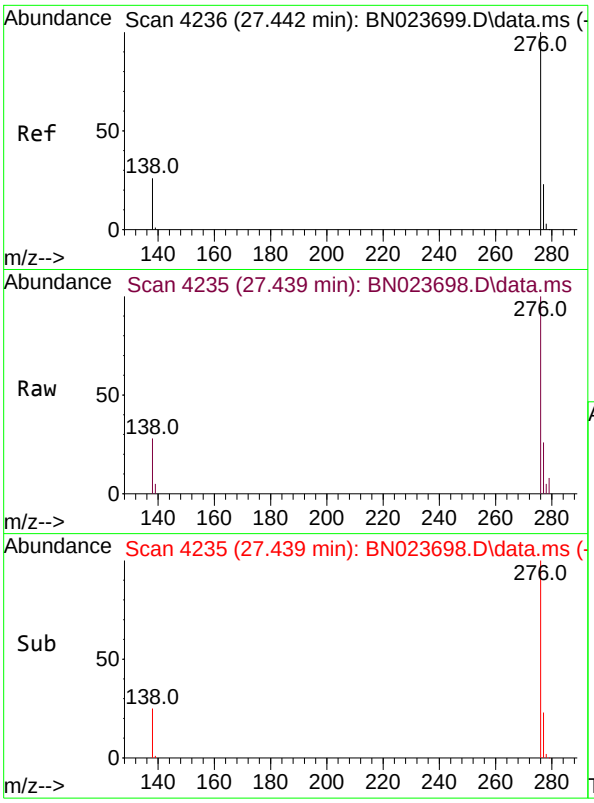


#40
Dibenzo(a,h)anthracene
Concen: 0.233 ng
RT: 26.661 min Scan# 3969
Delta R.T. 0.000 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Tgt Ion:278 Resp: 6829

Ion	Ratio	Lower	Upper
278	100		
139	23.4	17.2	25.8
279	30.9	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 0.219 ng
RT: 27.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN023698.D
Acq: 18 Jan 2023 11:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 7404

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	28.2	21.8	32.8