Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053023\
Data File : BN025727.D
Acq On : 30 May 2023 22:33
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 31 04:48:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.012	152	6085	0.400	ng		0.00
7) Naphthalene-d8	10.825	136	18230	0.400	ng		#-0.01
13) Acenaphthene-d10	14.641	164	10504	0.400	ng		-0.01
19) Phenanthrene-d10	17.393	188	22078	0.400	ng		# 0.00
29) Chrysene-d12	21.569	240	14649	0.400	ng		# 0.00
35) Perylene-d12	24.051	264	13110	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.557	112	6523	0.418	ng		0.00
5) Phenol-d6	7.167	99	8224	0.440	ng		0.00
8) Nitrobenzene-d5	9.180	82	6286	0.412	ng		-0.01
11) 2-Methylnaphthalene-d10	12.415	152	11218	0.431	ng		0.00
14) 2,4,6-Tribromophenol	16.140	330	1134	0.534	ng		-0.01
15) 2-Fluorobiphenyl	13.272	172	18407	0.425	ng		-0.01
27) Fluoranthene-d10	19.416	212	21238	0.425	ng		0.00
31) Terphenyl-d14	20.006	244	13559	0.423	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.390	88	3072	0.436	ng		96
3) n-Nitrosodimethylamine	3.744	42	2428	0.320	ng	#	93
6) bis(2-Chloroethyl)ether	7.427	93	8087	0.420	ng		94
9) Naphthalene	10.878	128	21584	0.433	ng		99
10) Hexachlorobutadiene	11.166	225	3591	0.415	ng	#	96
12) 2-Methylnaphthalene	12.487	142	14860	0.433	ng		99
16) Acenaphthylene	14.363	152	20680	0.417	ng		99
17) Acenaphthene	14.705	154	13994	0.429	ng		100
18) Fluorene	15.693	166	18450	0.427	ng		100
20) 4,6-Dinitro-2-methylph...	15.780	198	1302	0.534	ng	#	54
21) 4-Bromophenyl-phenylether	16.574	248	5153	0.411	ng		98
22) Hexachlorobenzene	16.698	284	4621	0.403	ng		97
23) Atrazine	16.835	200	4033	0.403	ng		99
24) Pentachlorophenol	17.058	266	922	0.889	ng	#	87
25) Phenanthrene	17.431	178	28779	0.428	ng		99
26) Anthracene	17.517	178	25726	0.423	ng		99
28) Fluoranthene	19.444	202	31154	0.425	ng		99
30) Pyrene	19.807	202	31777	0.446	ng		99
32) Benzo(a)anthracene	21.551	228	23261	0.426	ng		100
33) Chrysene	21.605	228	26461	0.447	ng		99
34) Bis(2-ethylhexyl)phtha...	21.462	149	14986	0.451	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.645	276	21248	0.423	ng	#	60
37) Benzo(b)fluoranthene	23.288	252	22439	0.450	ng		94
38) Benzo(k)fluoranthene	23.338	252	22161	0.426	ng		95
39) Benzo(a)pyrene	23.946	252	20232	0.424	ng		93
40) Dibenzo(a,h)anthracene	26.665	278	16578	0.416	ng		96
41) Benzo(g,h,i)perylene	27.446	276	19208	0.423	ng		97

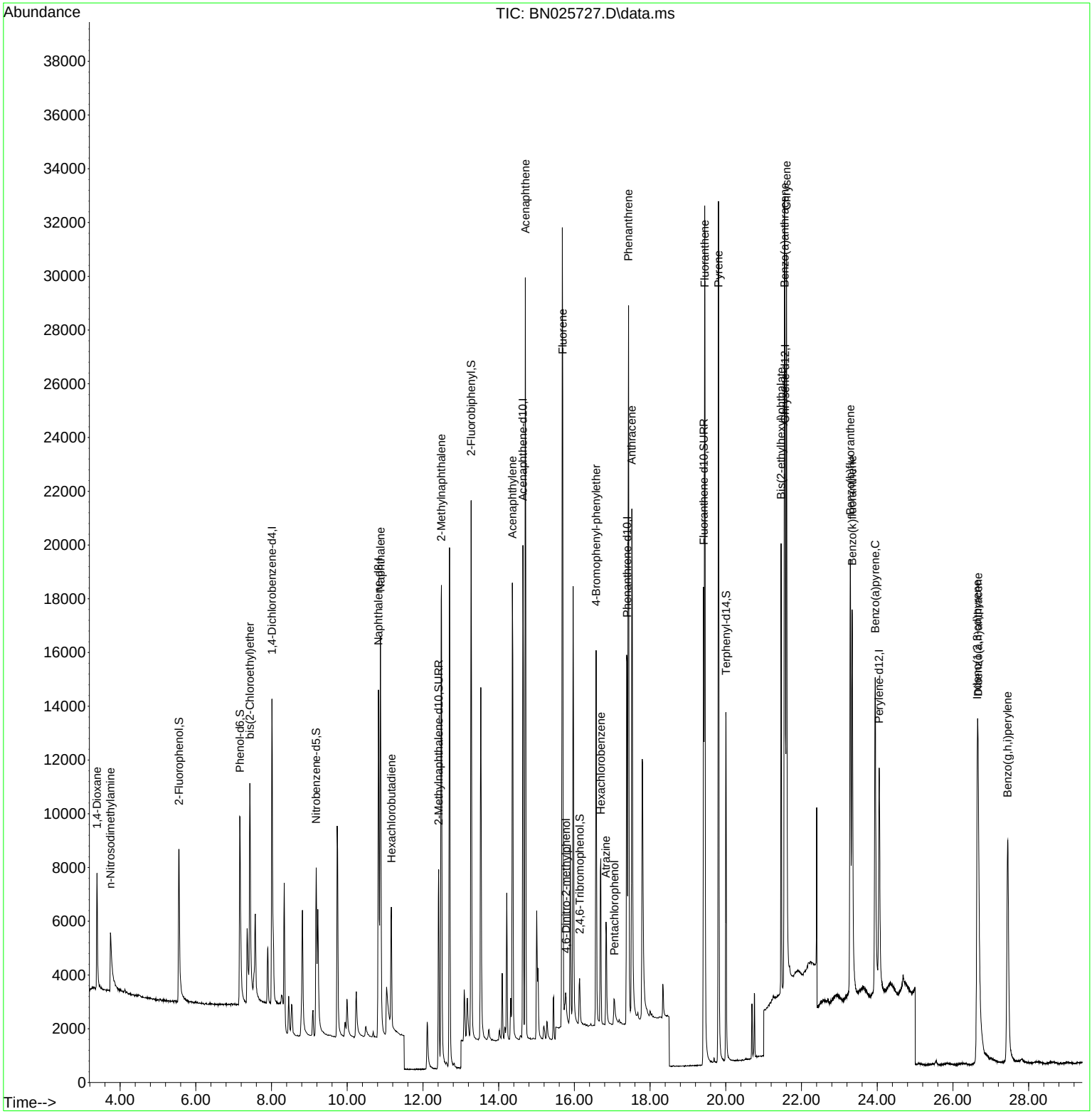
(#) = qualifier out of range (m) = manual integration (+) = signals summed

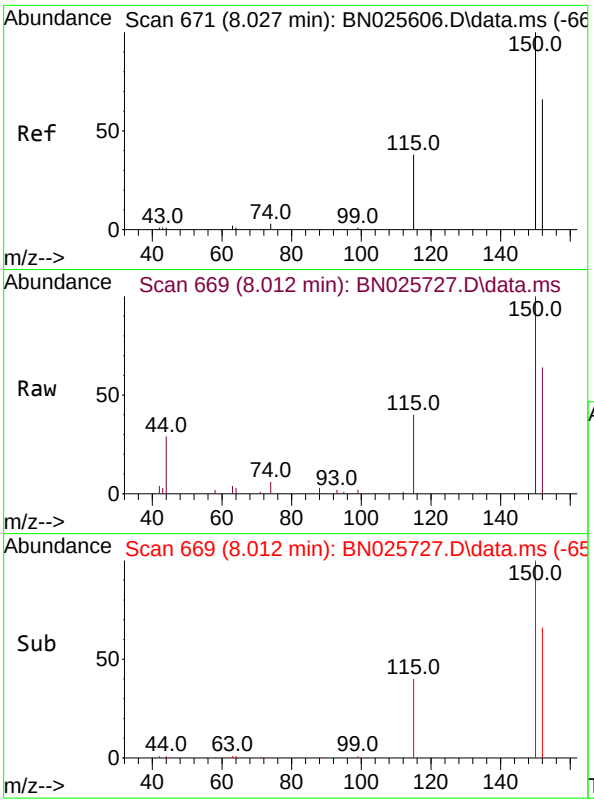
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053023\
Data File : BN025727.D
Acq On : 30 May 2023 22:33
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 31 04:48:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration



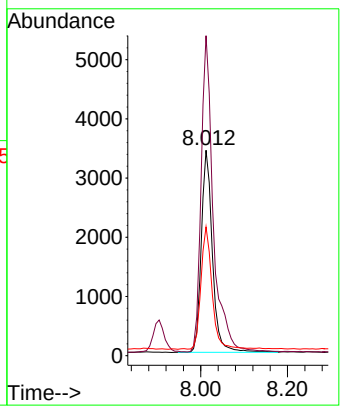


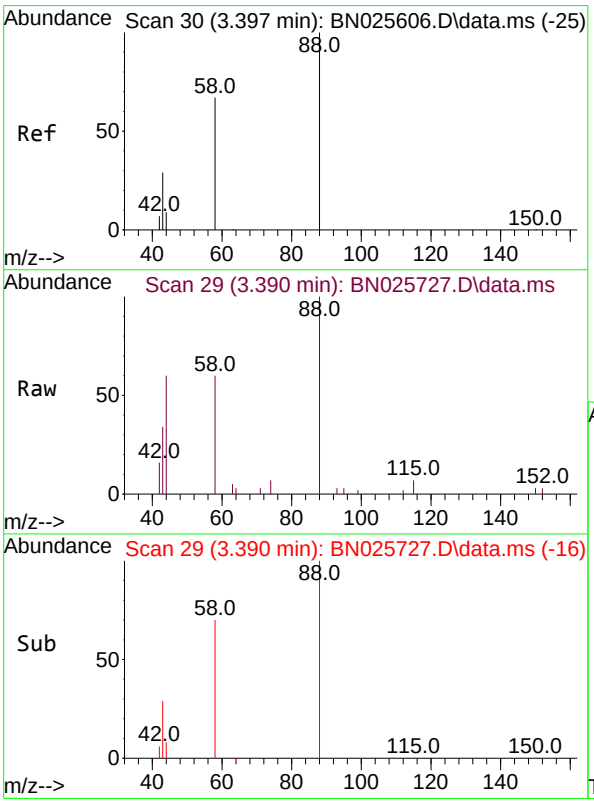
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.012 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6085

Ion	Ratio	Lower	Upper
152	100		
150	155.8	121.0	181.6
115	62.7	48.5	72.7

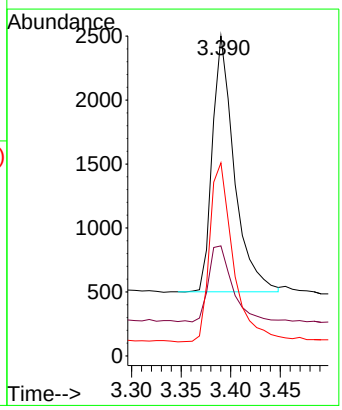


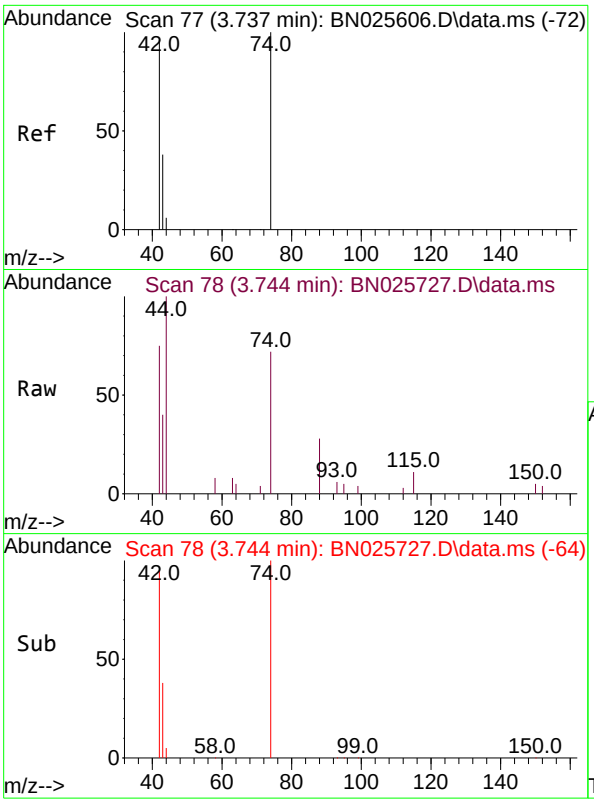


#2
1,4-Dioxane
Concen: 0.436 ng
RT: 3.390 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion: 88 Resp: 3072

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.5	39.7
58	75.4	56.8	85.2



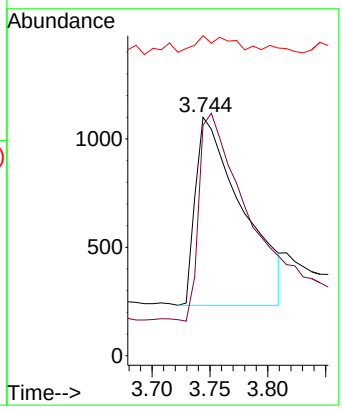


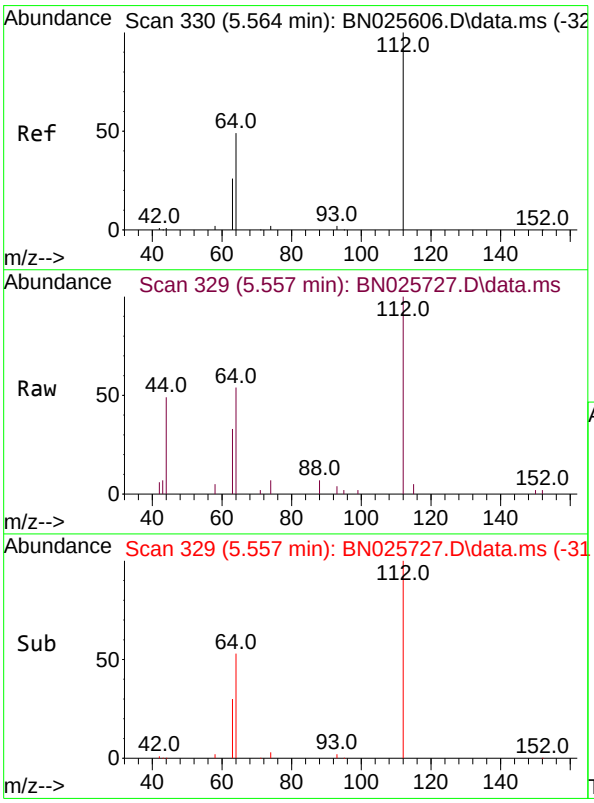
#3
n-Nitrosodimethylamine
Concen: 0.320 ng
RT: 3.744 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2428

Ion	Ratio	Lower	Upper
42	100		
74	110.3	82.2	123.2
44	3.0	0.0	0.0#

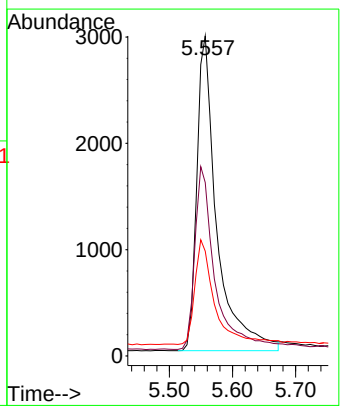


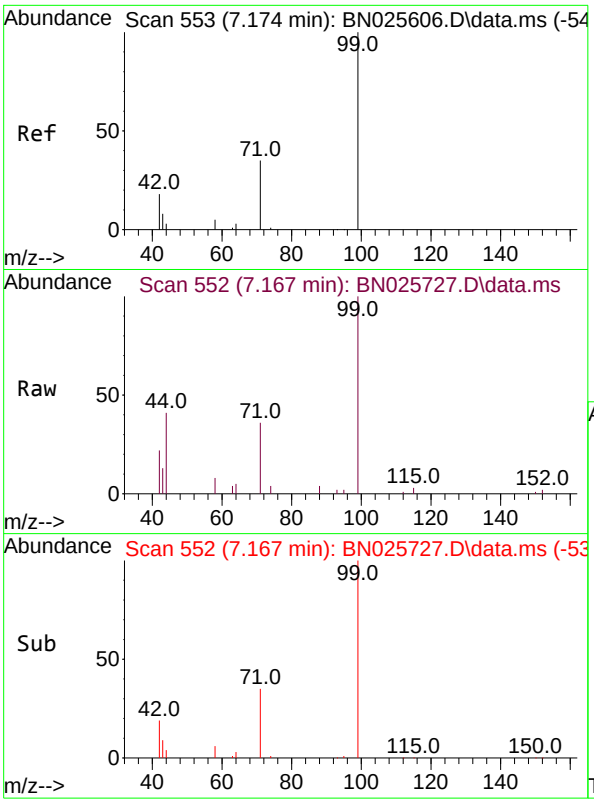


#4
2-Fluorophenol
Concen: 0.418 ng
RT: 5.557 min Scan# 329
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:112 Resp: 6523

Ion	Ratio	Lower	Upper
112	100		
64	58.8	45.7	68.5
63	32.9	26.2	39.2



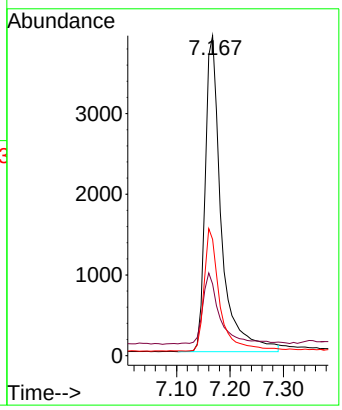


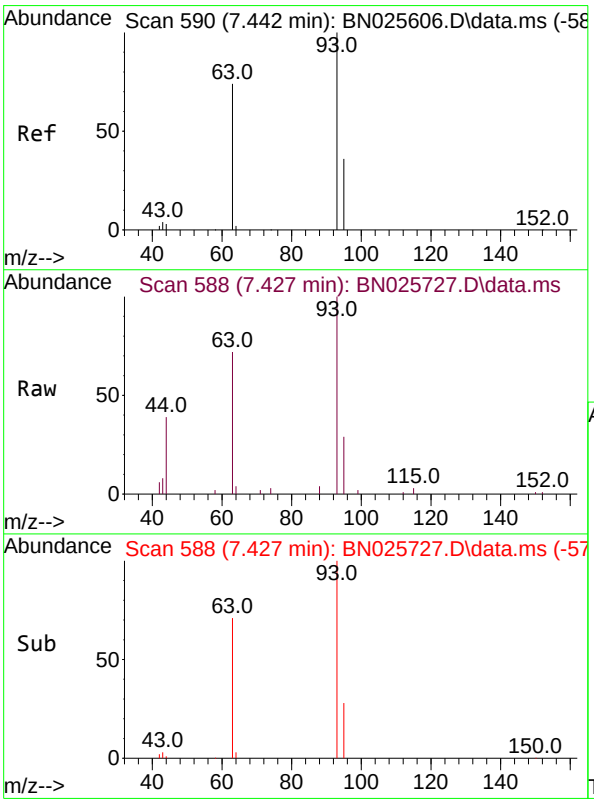
#5
Phenol-d6
Concen: 0.440 ng
RT: 7.167 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 8224

Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.1	25.7
71	37.8	29.3	43.9

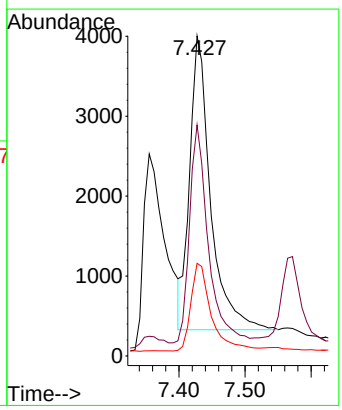


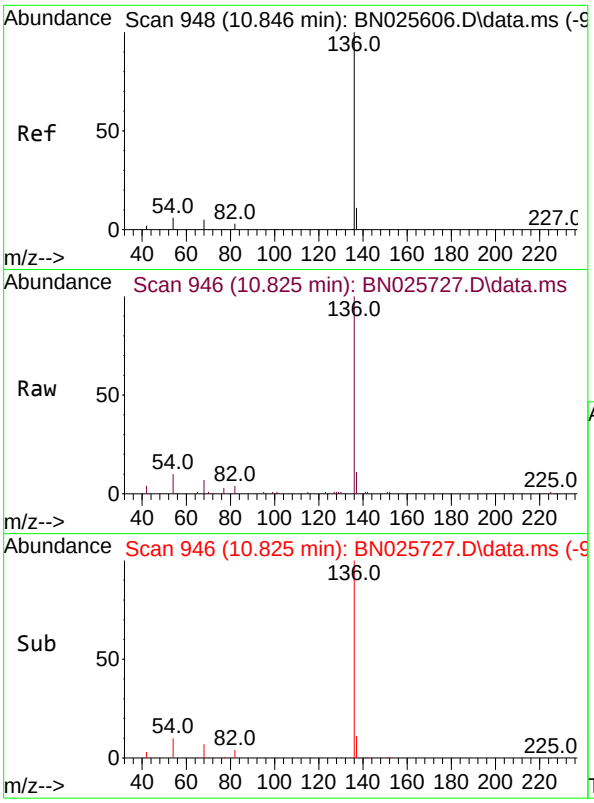


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 7.427 min Scan# 588
Delta R.T. -0.007 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion: 93 Resp: 8087

Ion	Ratio	Lower	Upper
93	100		
63	67.1	49.1	73.7
95	29.1	22.6	33.8



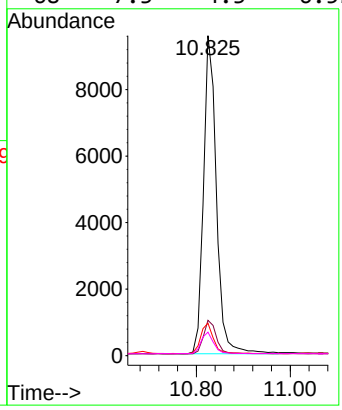


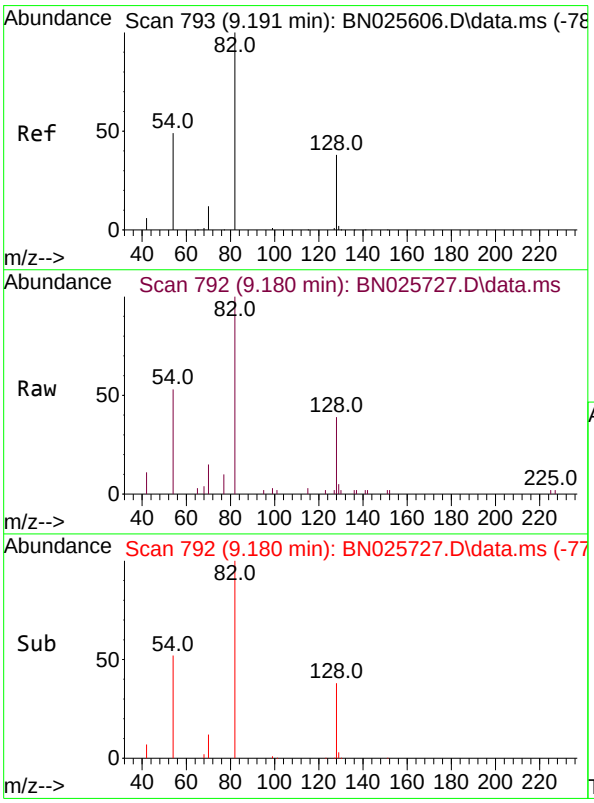
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.825 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 18230

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.2	5.4	8.0#
68	7.3	4.3	6.5#

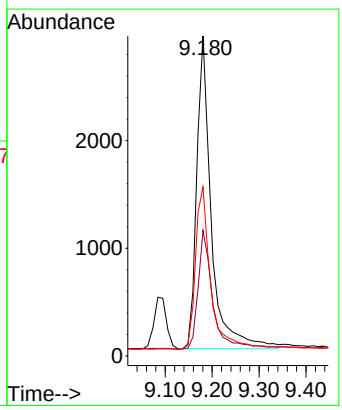


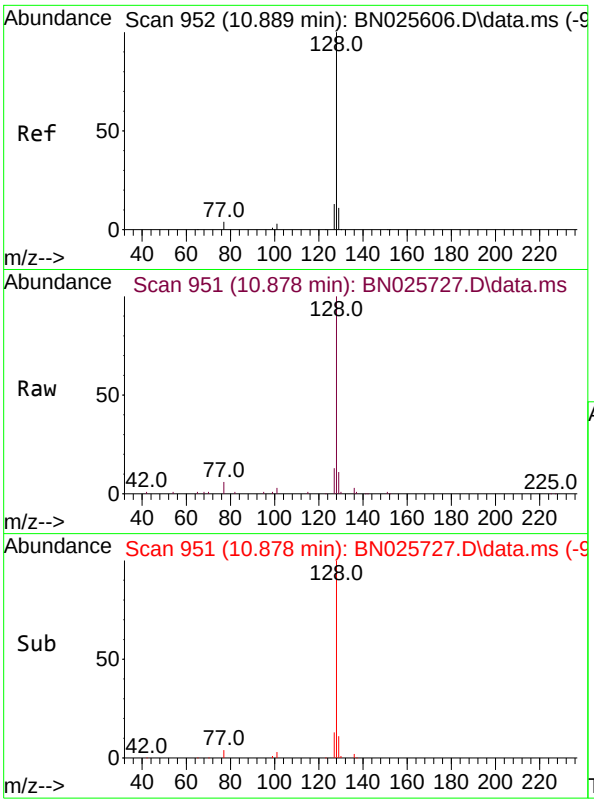


#8
Nitrobenzene-d5
Concen: 0.412 ng
RT: 9.180 min Scan# 792
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion: 82 Resp: 6286

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.5	48.7
54	52.8	40.6	60.8



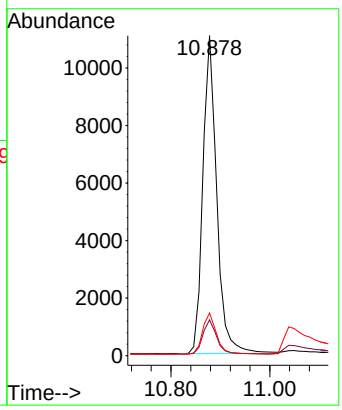


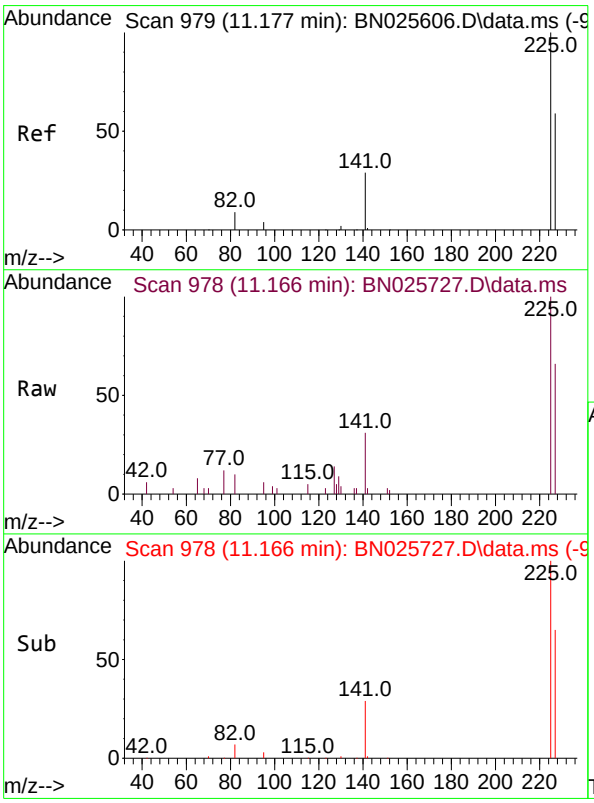
#9
Naphthalene
Concen: 0.433 ng
RT: 10.878 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 21584

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.4	11.0	16.6

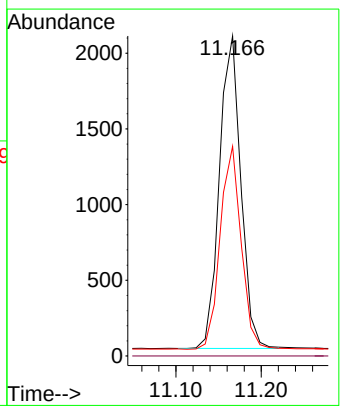


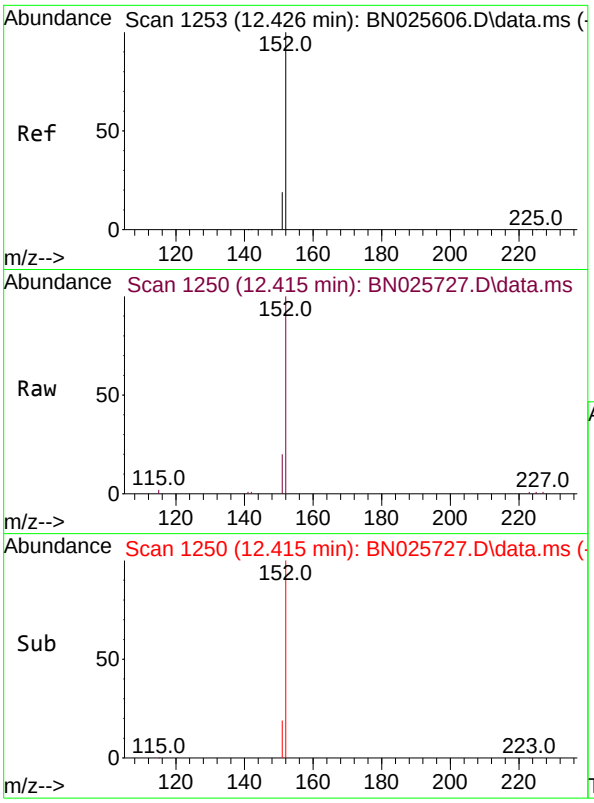


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 11.166 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:225 Resp: 3591

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	48.4	72.6



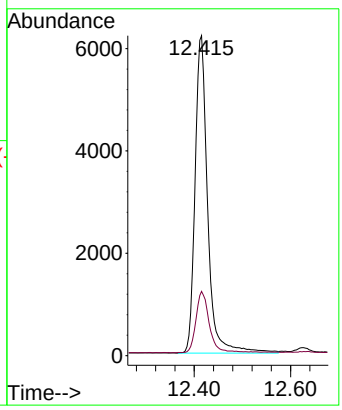


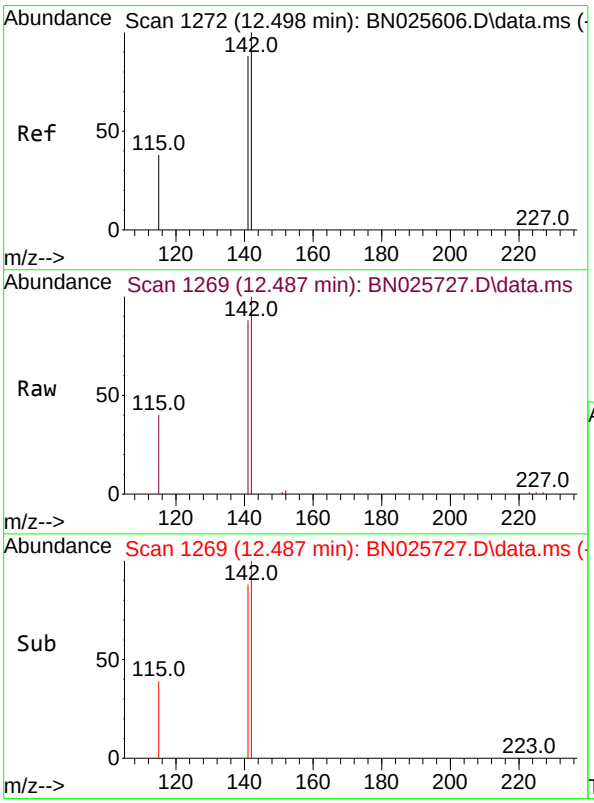
#11
2-Methylnaphthalene-d10
Concen: 0.431 ng
RT: 12.415 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 11218

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1

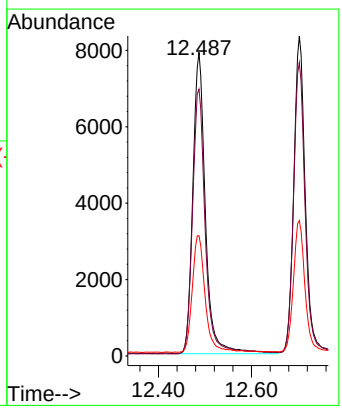


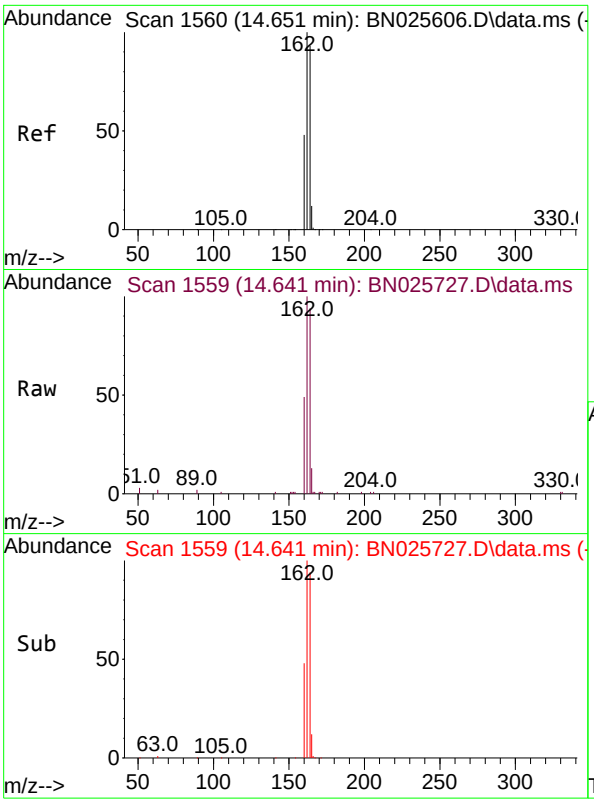


#12
2-Methylnaphthalene
Concen: 0.433 ng
RT: 12.487 min Scan# 1269
Delta R.T. -0.008 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:142 Resp: 14860

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.7	106.1
115	39.6	31.5	47.3



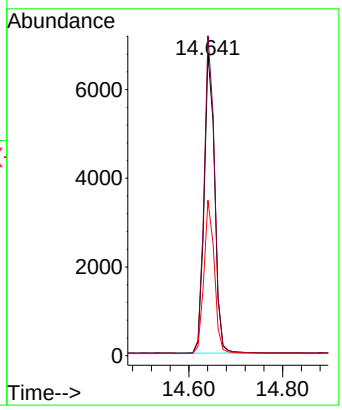


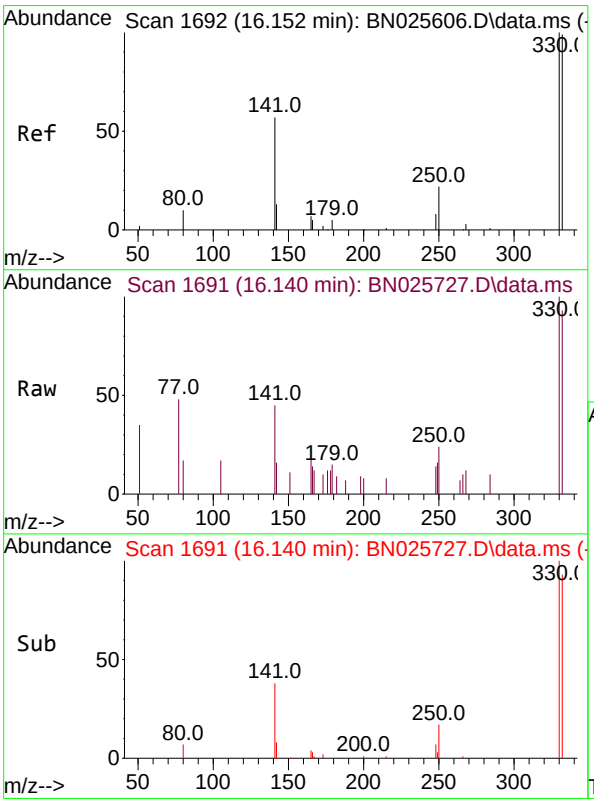
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.641 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 10504

Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.4	129.6
160	51.4	41.9	62.9

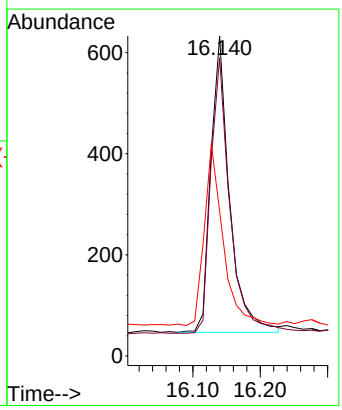


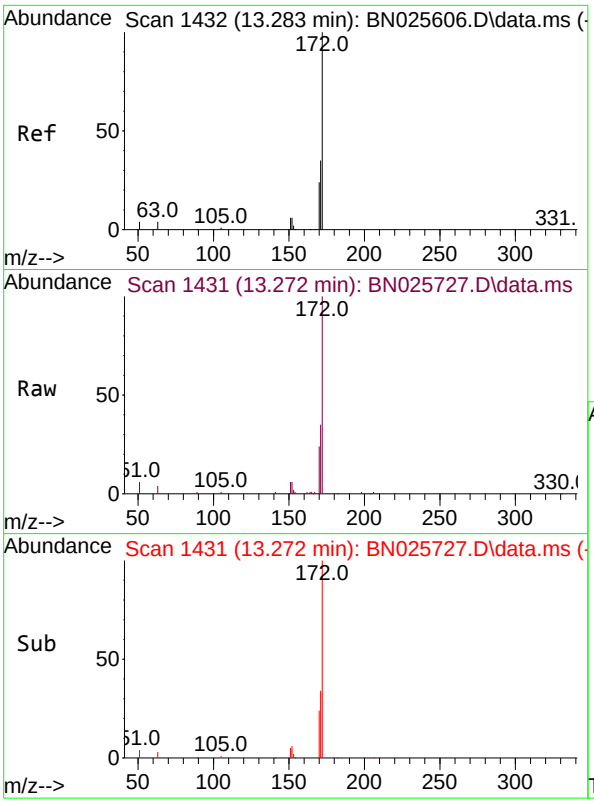


#14
2,4,6-Tribromophenol
Concen: 0.534 ng
RT: 16.140 min Scan# 1691
Delta R.T. -0.012 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:330 Resp: 1134

Ion	Ratio	Lower	Upper
330	100		
332	95.4	80.0	120.0
141	61.0	45.8	68.6



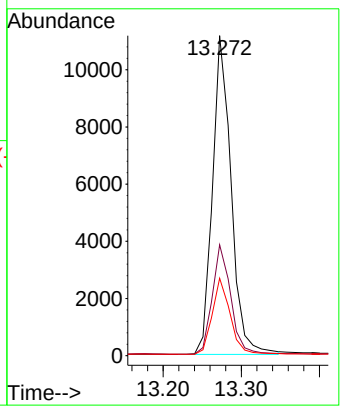


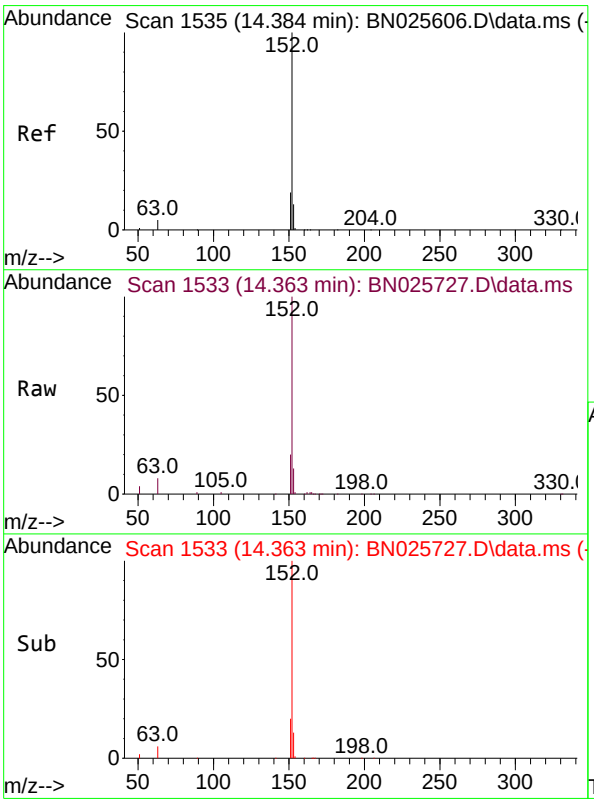
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.272 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 18407

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	24.2	19.7	29.5

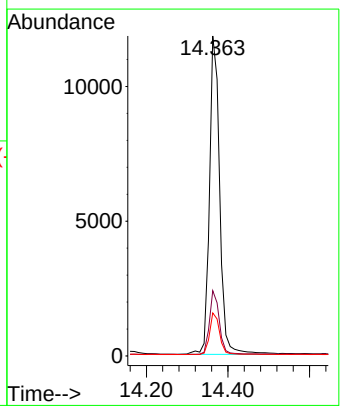


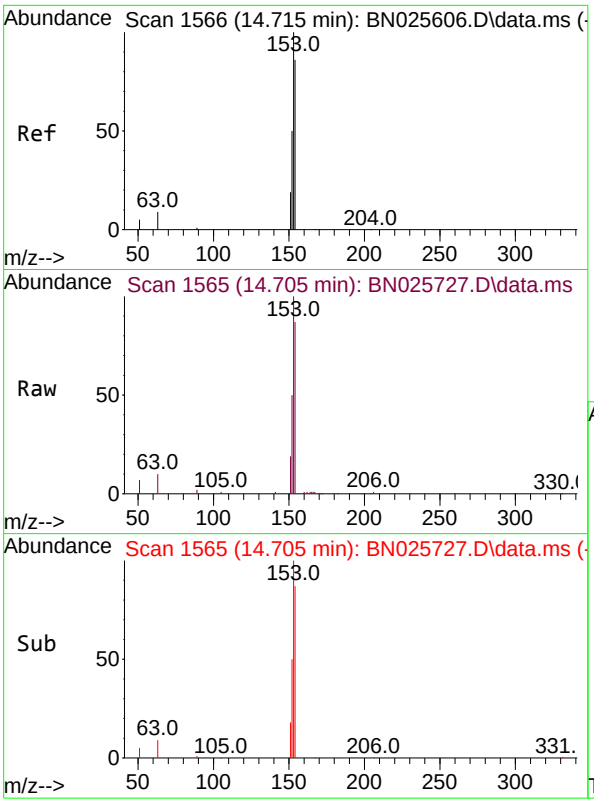


#16
Acenaphthylene
Concen: 0.417 ng
RT: 14.363 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:152 Resp: 20680

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.0	10.6	15.8





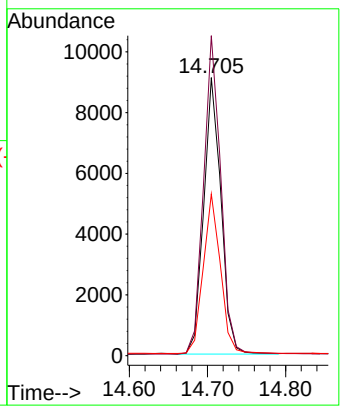
#17
Acenaphthene
Concen: 0.429 ng
RT: 14.705 min Scan# 1

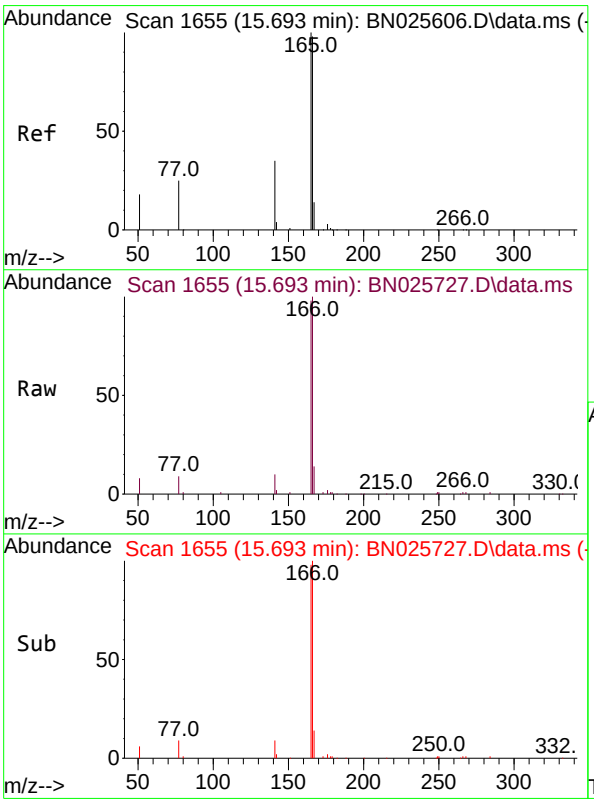
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. -0.010 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:154 Resp: 13994

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.9	137.9
152	57.4	45.4	68.2

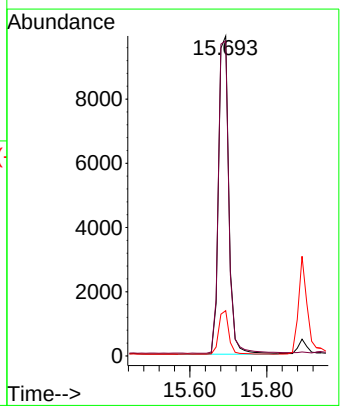


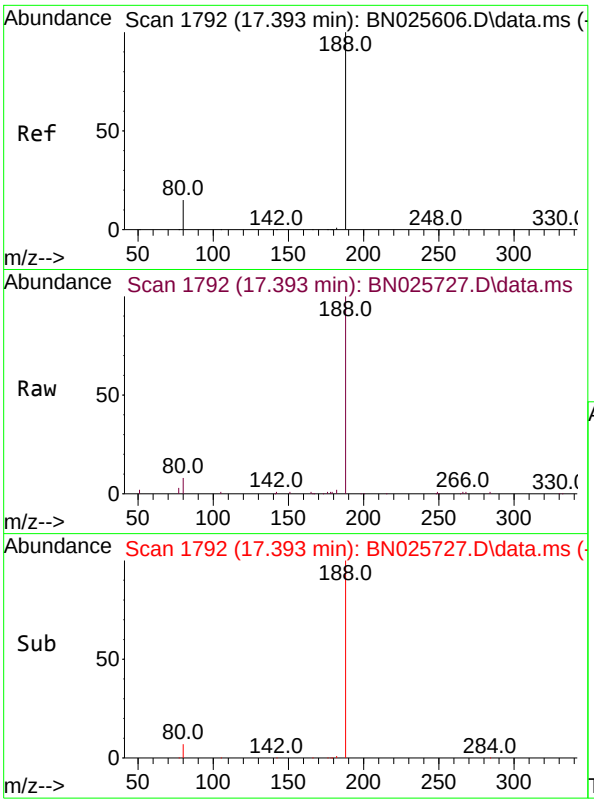


#18
Fluorene
Concen: 0.427 ng
RT: 15.693 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:166 Resp: 18450

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.3	118.9
167	13.5	10.7	16.1



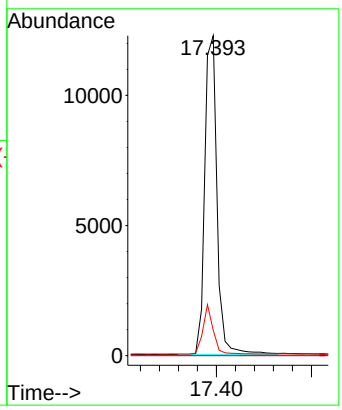


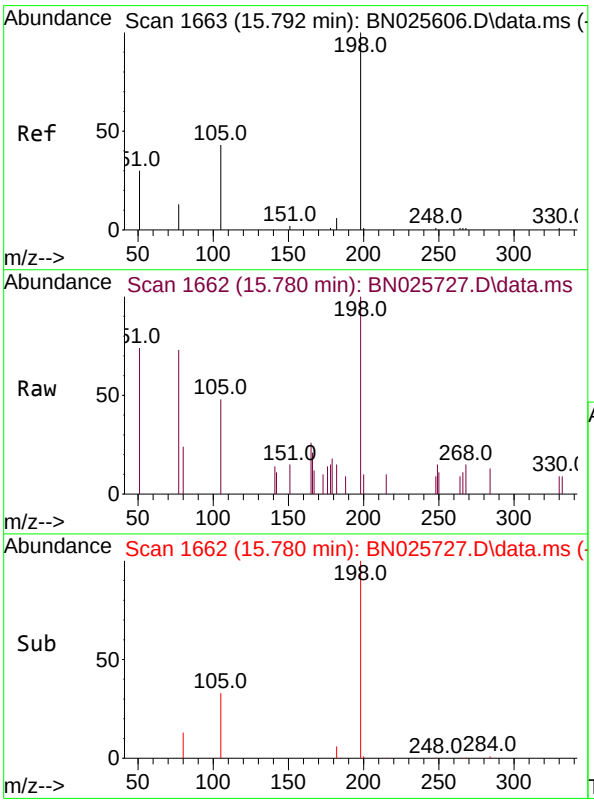
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 22078

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	12.2	18.2#

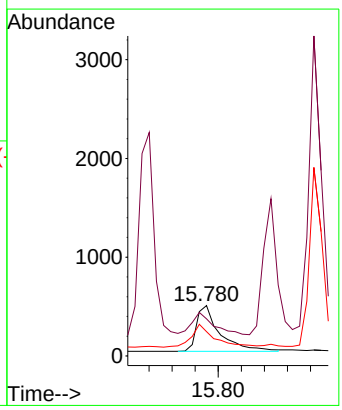


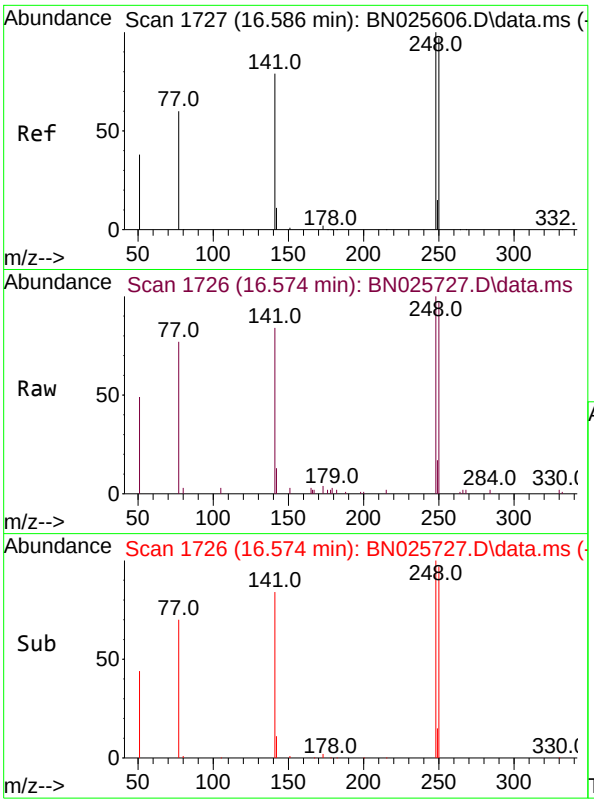


#20
4,6-Dinitro-2-methylphenol
Concen: 0.534 ng
RT: 15.780 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:198 Resp: 1302

Ion	Ratio	Lower	Upper
198	100		
51	73.6	110.8	166.2#
105	48.3	61.9	92.9#



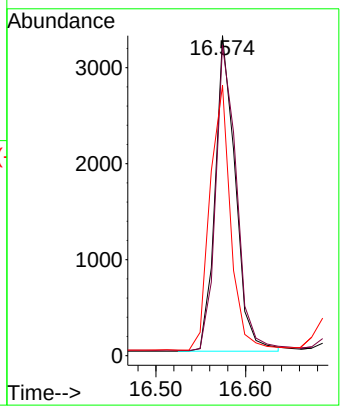


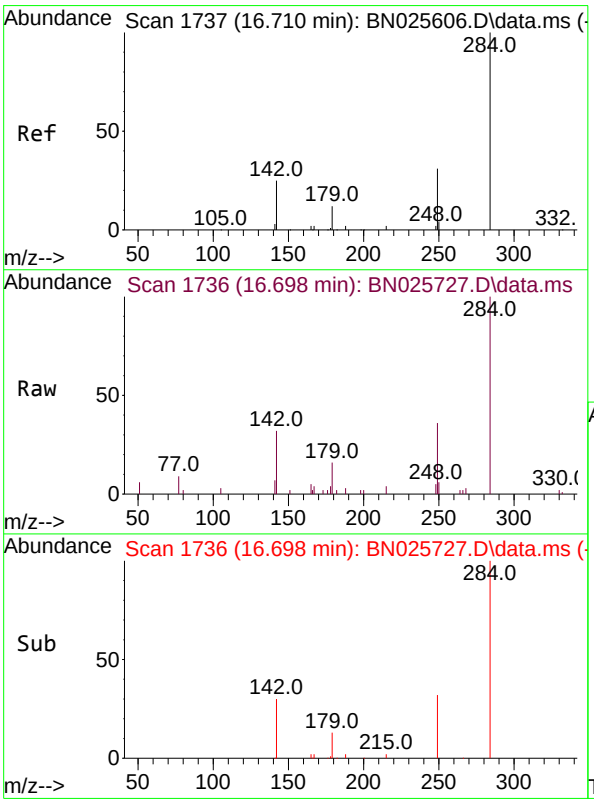
#21
4-Bromophenyl-phenylether
Concen: 0.411 ng
RT: 16.574 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 5153

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.5	116.3
141	84.4	64.0	96.0

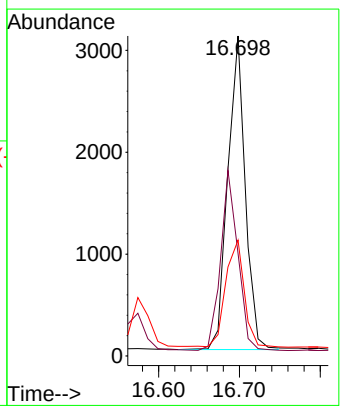


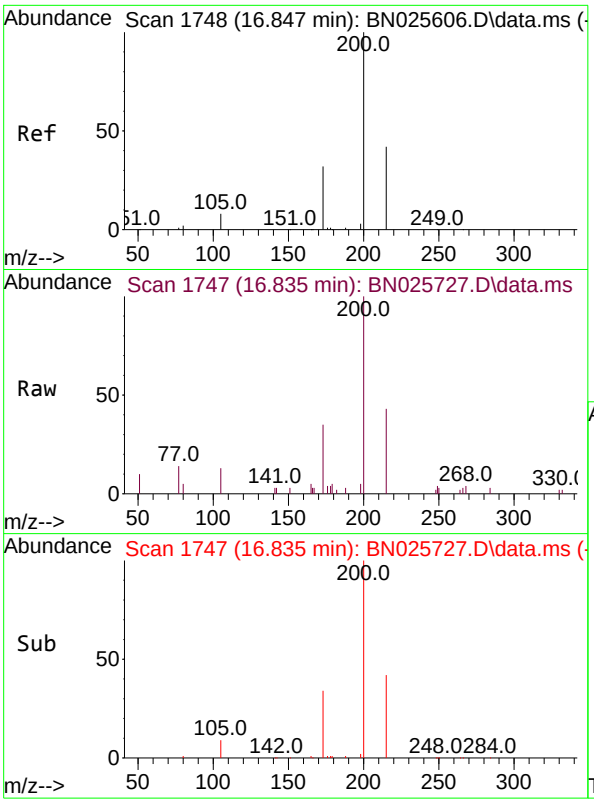


#22
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.698 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:284 Resp: 4621

Ion	Ratio	Lower	Upper
284	100		
142	56.3	42.0	63.0
249	36.0	28.6	43.0



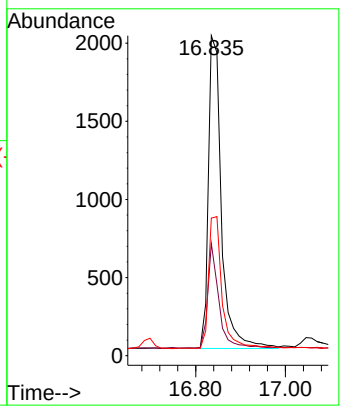


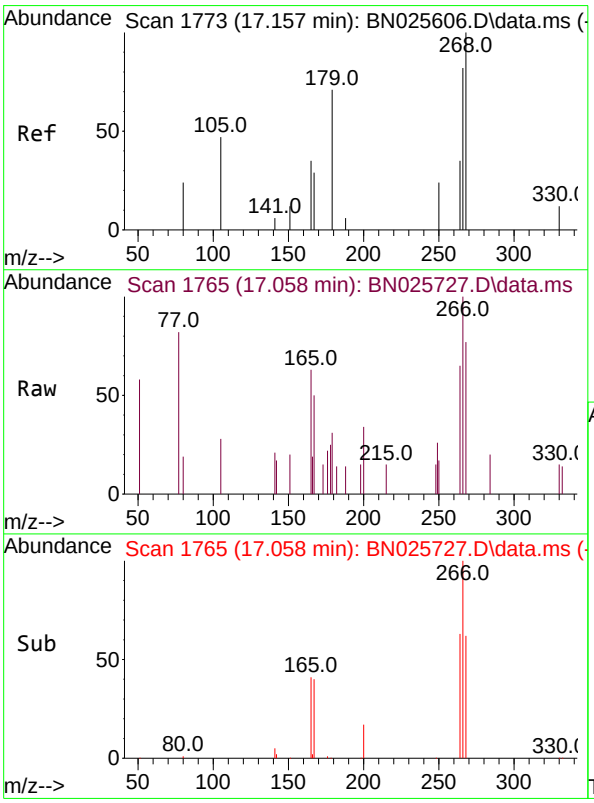
#23
Atrazine
Concen: 0.403 ng
RT: 16.835 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 4033

Ion	Ratio	Lower	Upper
200	100		
173	35.1	27.9	41.9
215	43.0	35.1	52.7

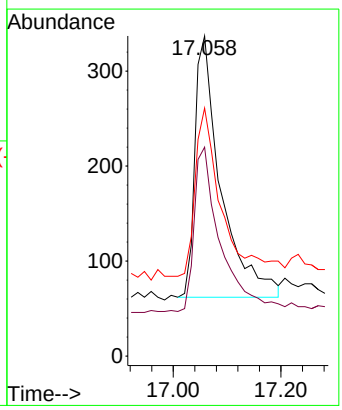


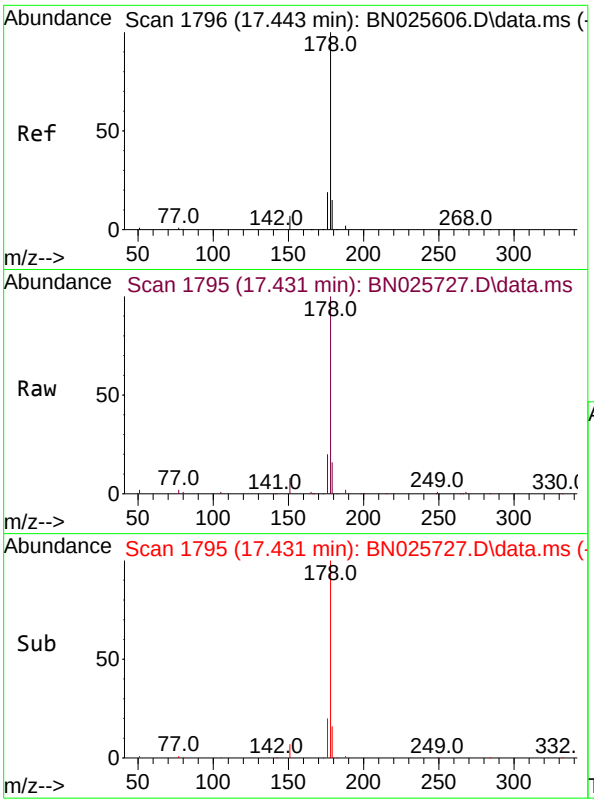


#24
Pentachlorophenol
Concen: 0.889 ng
RT: 17.058 min Scan# 1765
Delta R.T. -0.013 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:266 Resp: 922

Ion	Ratio	Lower	Upper
266	100		
264	63.8	60.0	90.0
268	66.2	0.0	0.0#



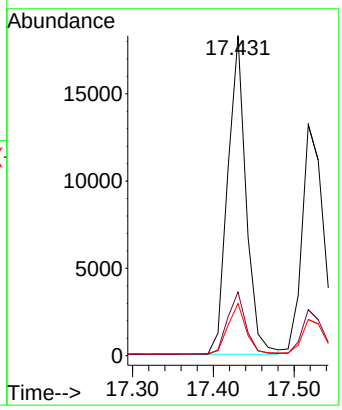


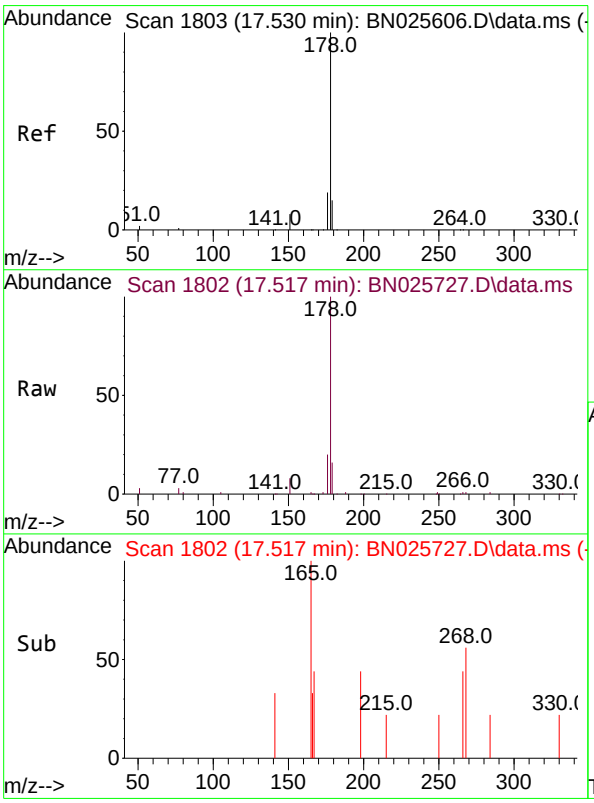
#25
Phenanthrene
Concen: 0.428 ng
RT: 17.431 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 28779

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.7	12.6	19.0

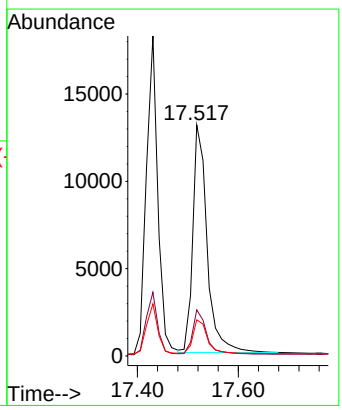


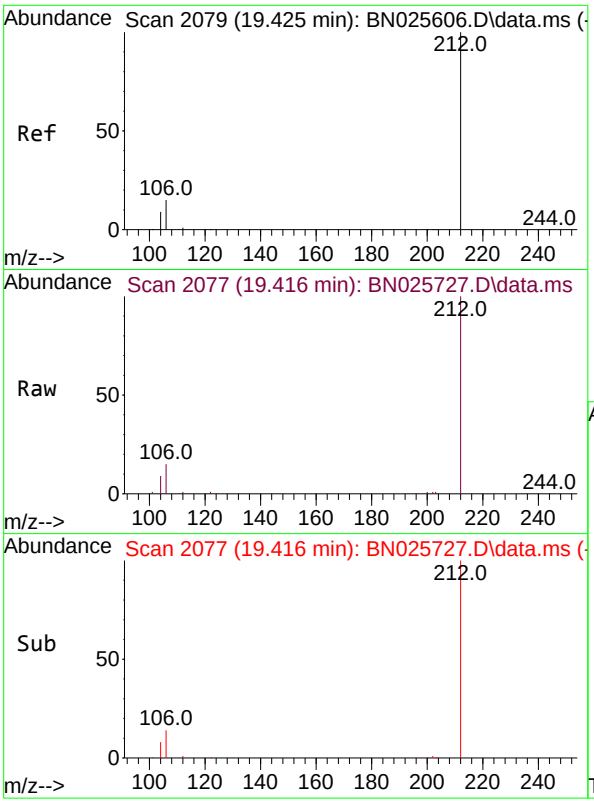


#26
Anthracene
Concen: 0.423 ng
RT: 17.517 min Scan# 1802
Delta R.T. -0.012 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:178 Resp: 25726

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	14.8	12.2	18.2



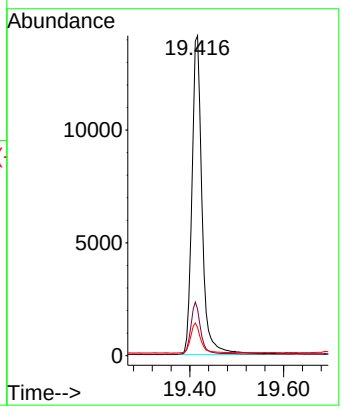


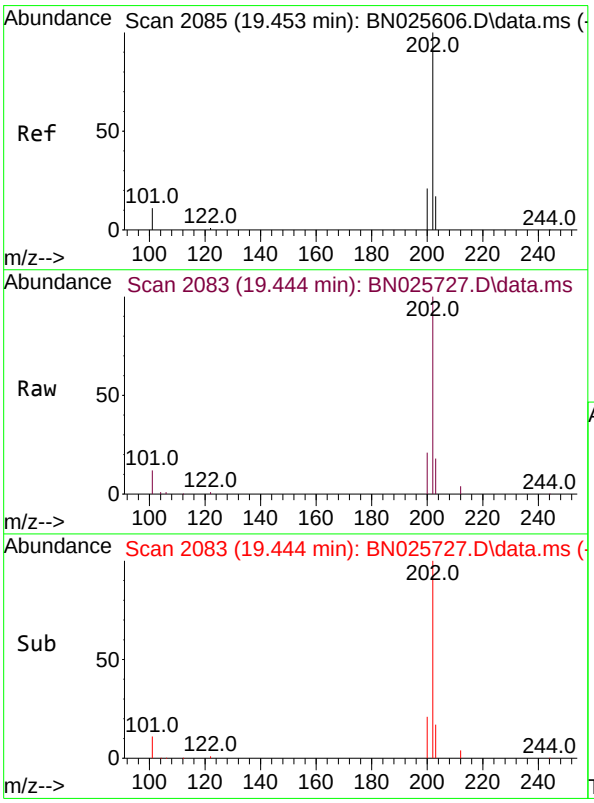
#27
Fluoranthene-d10
Concen: 0.425 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 21238

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.3	18.5
104	9.4	7.2	10.8

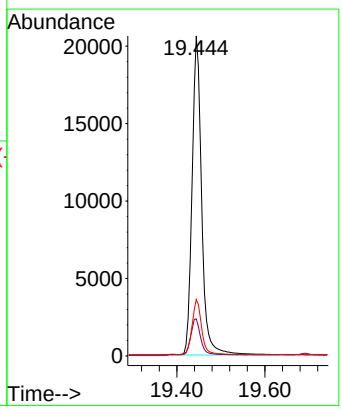


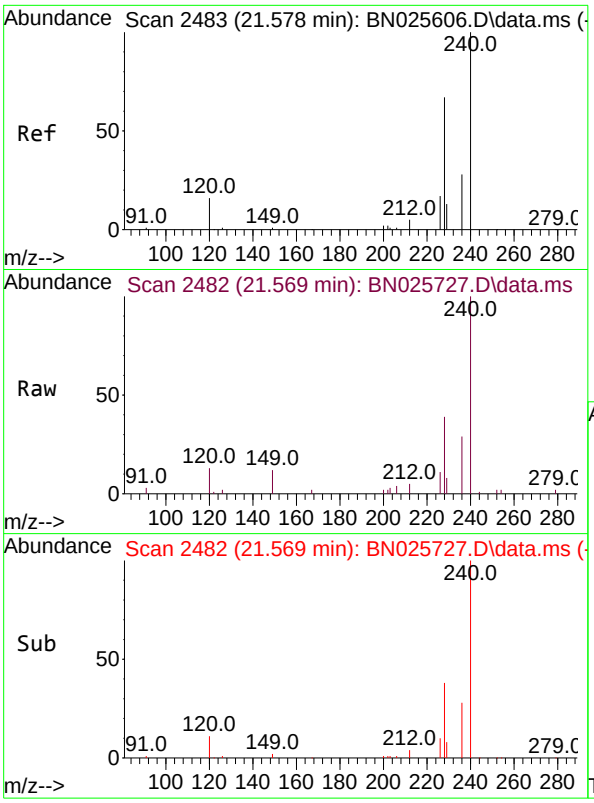


#28
Fluoranthene
Concen: 0.425 ng
RT: 19.444 min Scan# 2083
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:202 Resp: 31154

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.2	13.8
203	17.0	13.3	19.9



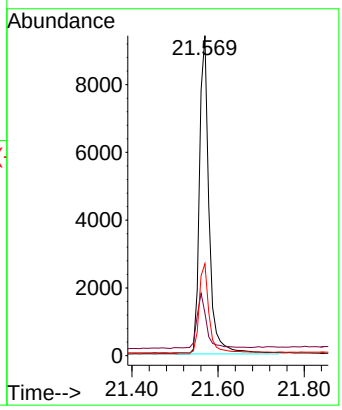


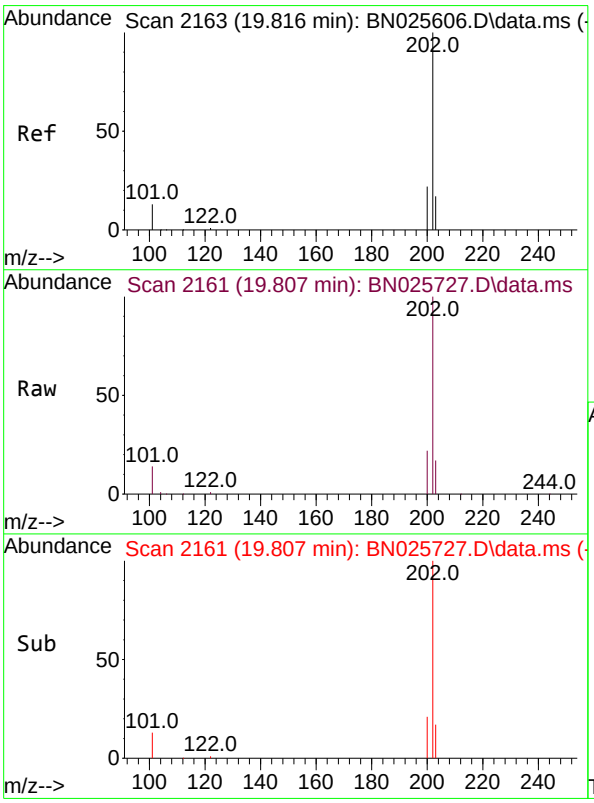
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 14649

Ion	Ratio	Lower	Upper
240	100		
120	13.4	15.4	23.0#
236	28.7	23.2	34.8

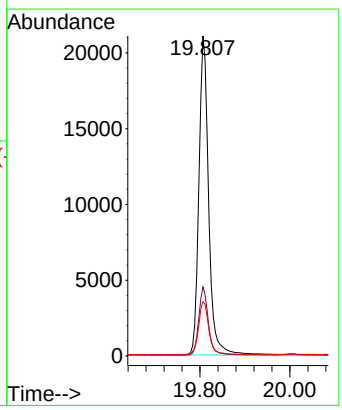


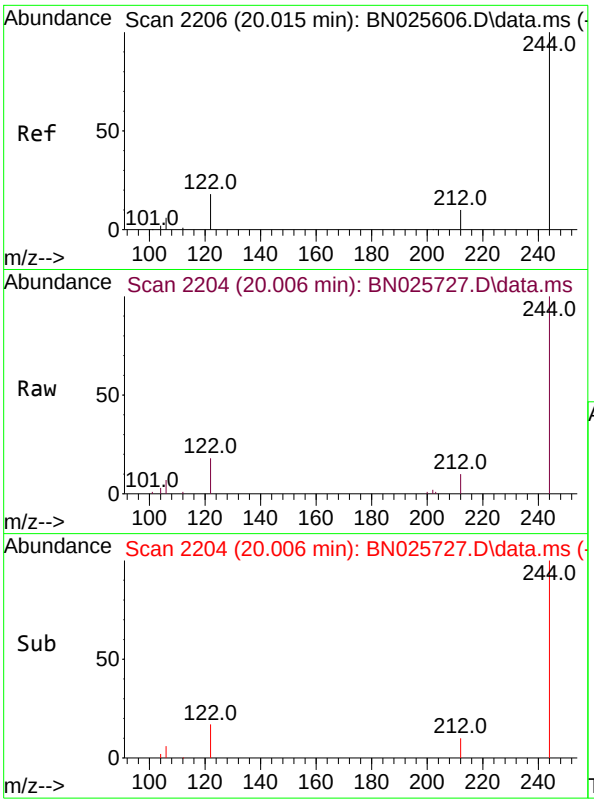


#30
Pyrene
Concen: 0.446 ng
RT: 19.807 min Scan# 2161
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:202 Resp: 31777

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.6	14.5	21.7



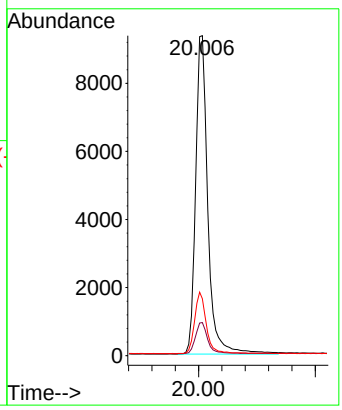


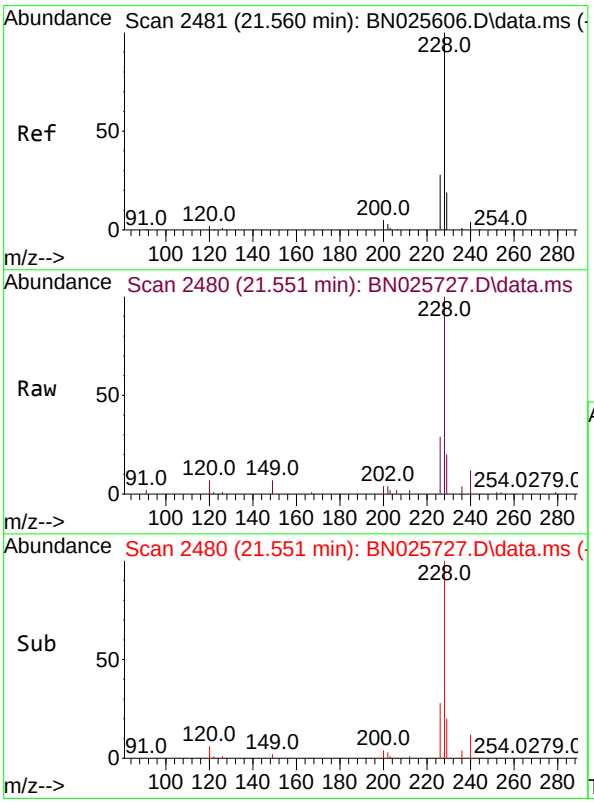
#31
Terphenyl-d14
Concen: 0.423 ng
RT: 20.006 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 13559

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.5	12.7
122	17.8	14.9	22.3

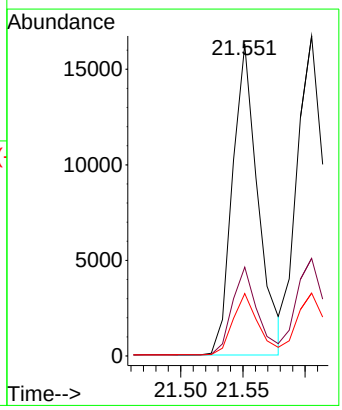


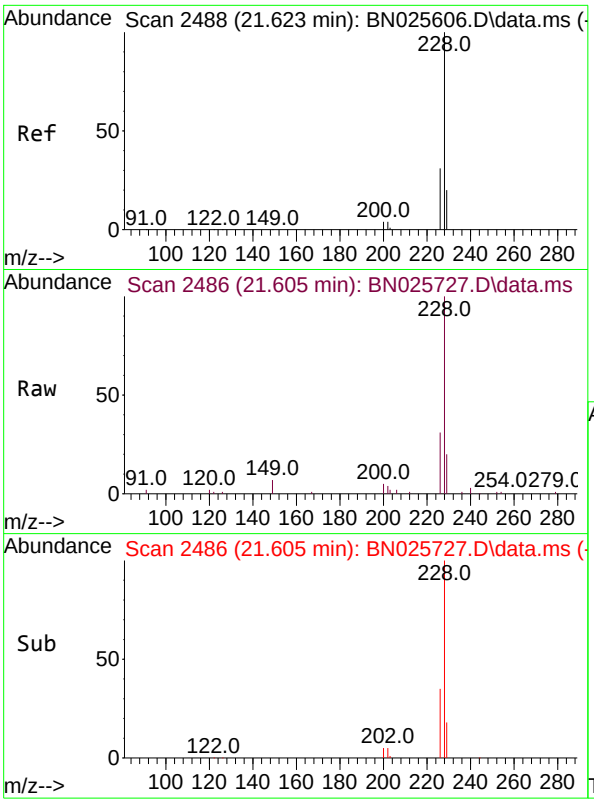


#32
Benzo(a)anthracene
Concen: 0.426 ng
RT: 21.551 min Scan# 2480
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:228 Resp: 23261

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.9	34.3
229	20.0	15.9	23.9



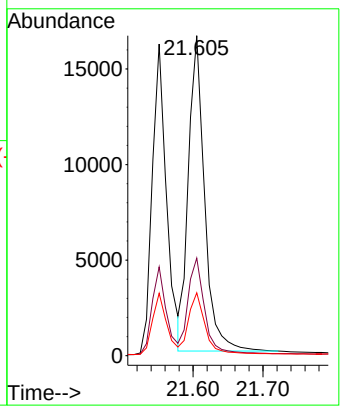


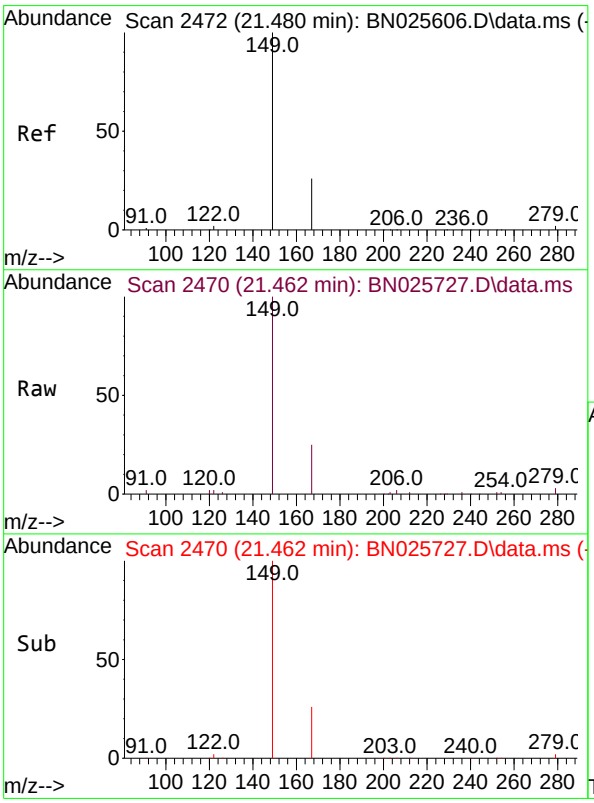
#33
Chrysene
Concen: 0.447 ng
RT: 21.605 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 26461

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	19.7	16.2	24.4

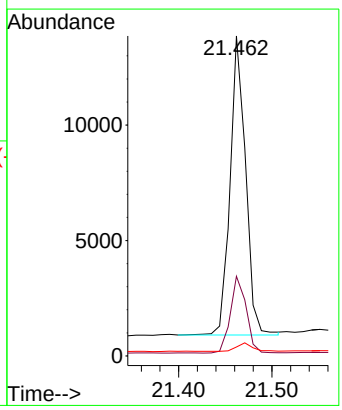


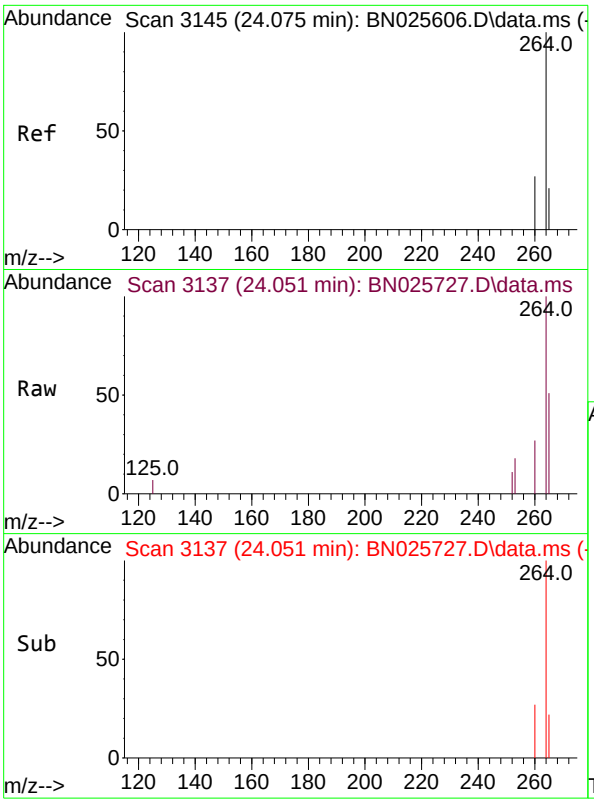


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.451 ng
RT: 21.462 min Scan# 2470
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:149 Resp: 14986

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.4	30.6
279	2.9	3.3	4.9#



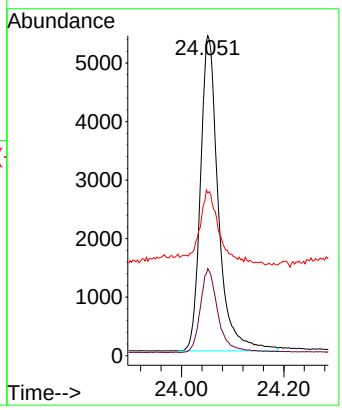


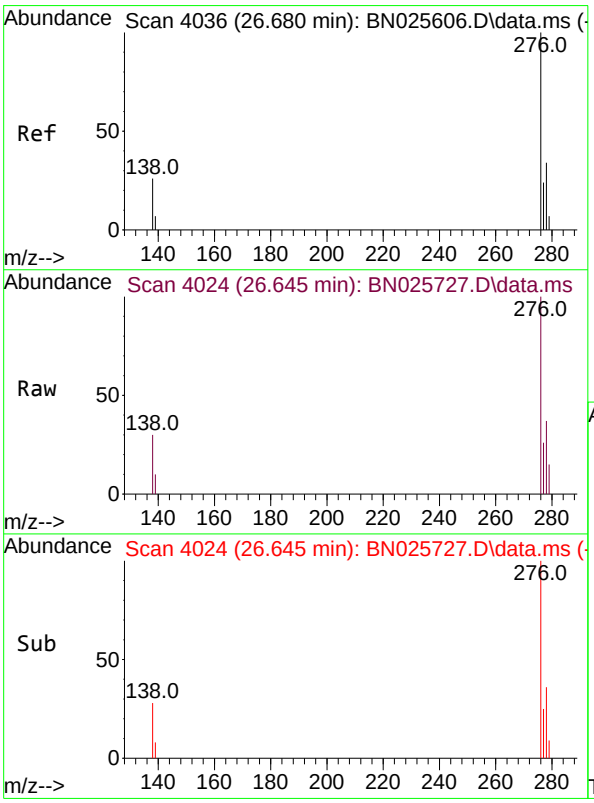
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.051 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 13110

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.3	33.5
265	50.9	54.3	81.5#

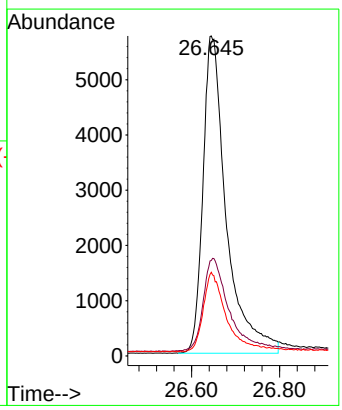


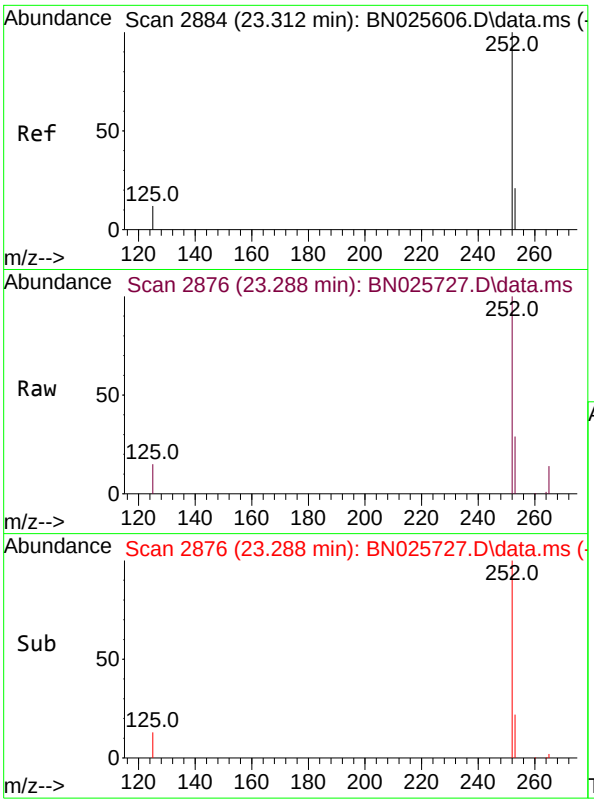


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.423 ng
RT: 26.645 min Scan# 4024
Delta R.T. -0.035 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:276 Resp: 21248

Ion	Ratio	Lower	Upper
276	100		
138	31.9	10.5	15.7#
277	24.0	9.2	13.8#



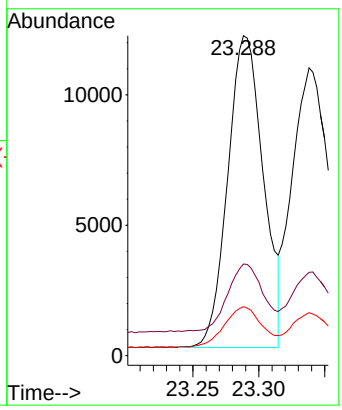


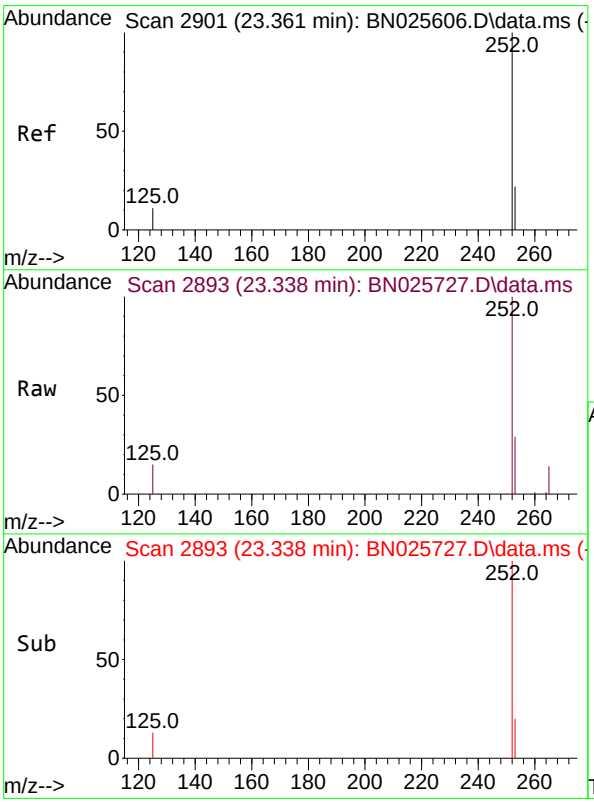
#37
Benzo(b)fluoranthene
Concen: 0.450 ng
RT: 23.288 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 22439

Ion	Ratio	Lower	Upper
252	100		
253	28.6	26.2	39.4
125	15.3	12.9	19.3

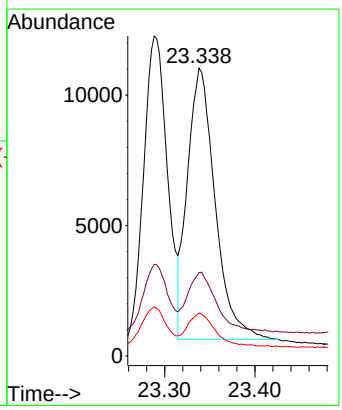


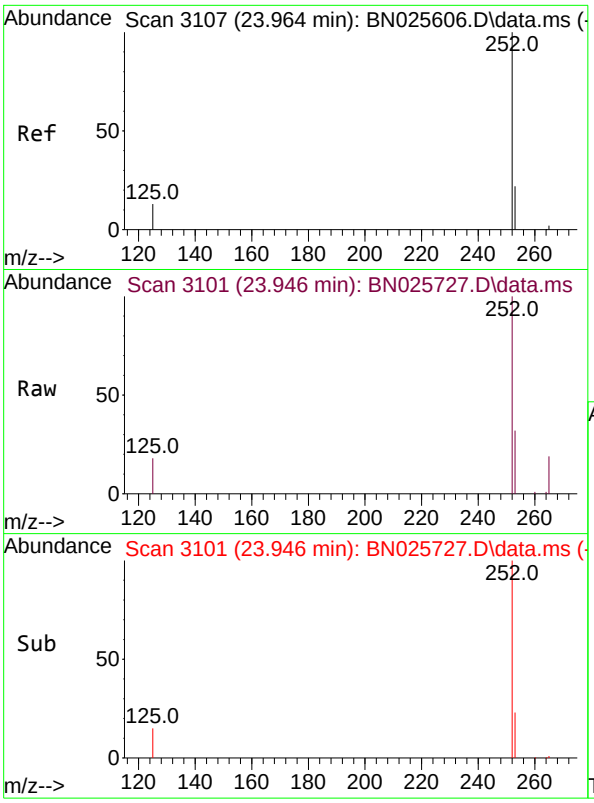


#38
Benzo(k)fluoranthene
Concen: 0.426 ng
RT: 23.338 min Scan# 2893
Delta R.T. -0.017 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:252 Resp: 22161

Ion	Ratio	Lower	Upper
252	100		
253	29.0	26.1	39.1
125	15.0	12.5	18.7



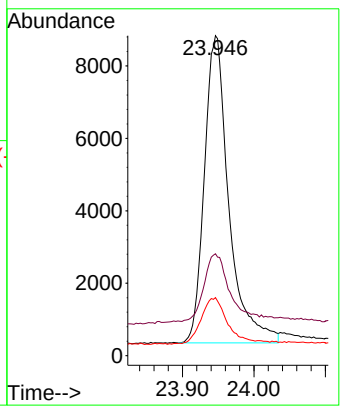


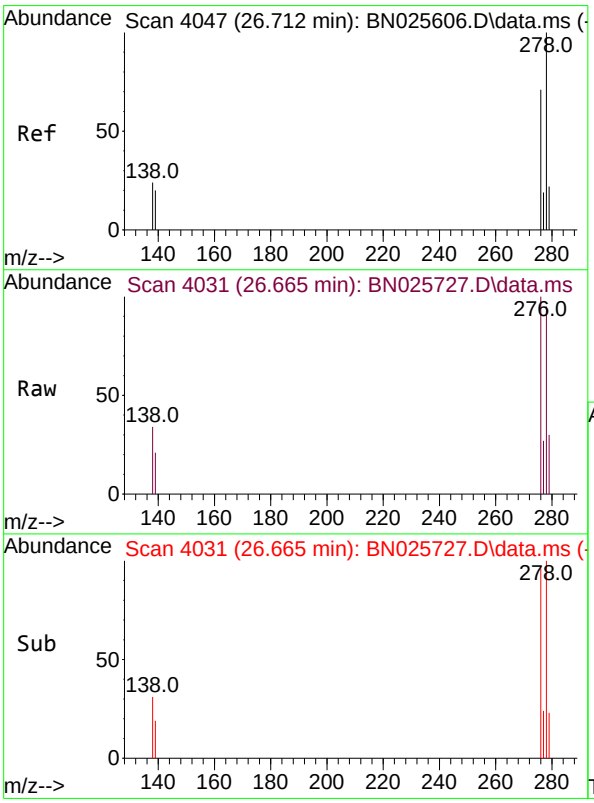
#39
Benzo(a)pyrene
Concen: 0.424 ng
RT: 23.946 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 20232

Ion	Ratio	Lower	Upper
252	100		
253	31.9	30.2	45.2
125	18.2	14.8	22.2

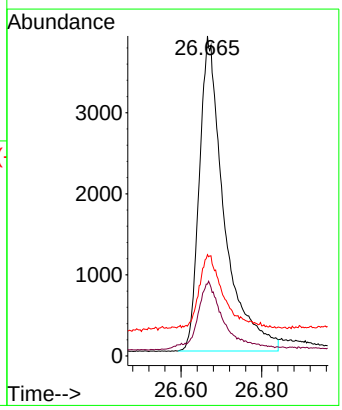


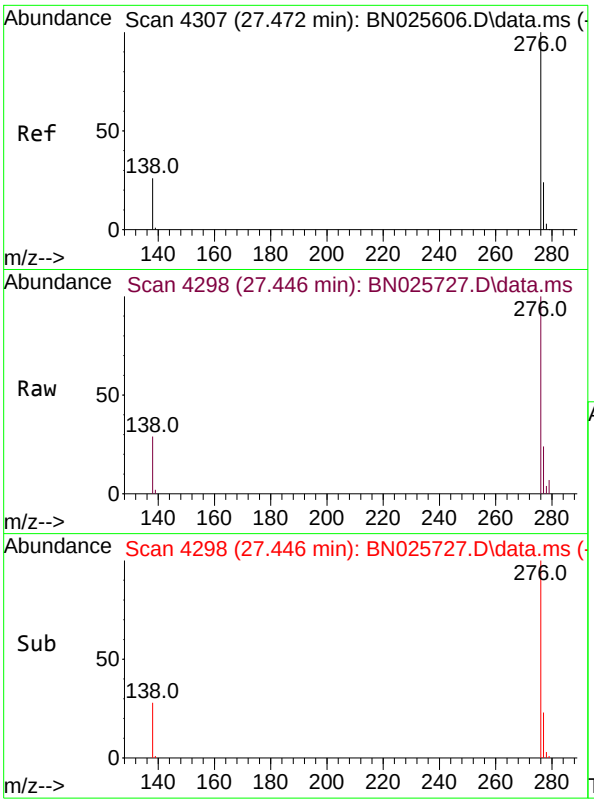


#40
Dibenzo(a,h)anthracene
Concen: 0.416 ng
RT: 26.665 min Scan# 4031
Delta R.T. -0.038 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Tgt Ion:278 Resp: 16578

Ion	Ratio	Lower	Upper
278	100		
139	22.4	18.6	28.0
279	31.6	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 27.446 min Scan# 4
Delta R.T. -0.023 min
Lab File: BN025727.D
Acq: 30 May 2023 22:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19208

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.4	32.0
138	28.9	22.8	34.2