Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100322\
Data File : BN021976.D
Acq On : 03 Oct 2022 13:47
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Oct 04 01:11:32 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 01:08:47 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.986	152	3635	0.400	ng		0.00
7) Naphthalene-d8	10.816	136	10959	0.400	ng		0.00
13) Acenaphthene-d10	14.653	164	5716	0.400	ng		0.00
19) Phenanthrene-d10	17.400	188	11638	0.400	ng		#-0.01
29) Chrysene-d12	21.609	240	9900	0.400	ng		0.00
35) Perylene-d12	24.087	264	7776	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.516	112	6379	0.671	ng		0.00
5) Phenol-d6	7.141	99	8165	0.671	ng		0.00
8) Nitrobenzene-d5	9.161	82	6582	0.687	ng		0.00
11) 2-Methylnaphthalene-d10	12.410	152	15186	0.745	ng		0.00
14) 2,4,6-Tribromophenol	16.146	330	1572	0.620	ng		0.00
15) 2-Fluorobiphenyl	13.274	172	18867	0.762	ng		-0.01
27) Fluoranthene-d10	19.441	212	22868	0.717	ng		0.00
31) Terphenyl-d14	20.033	244	14747	0.739	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.320	88	3669	0.758	ng		98
3) n-Nitrosodimethylamine	3.667	42	4030	0.734	ng	#	97
6) bis(2-Chloroethyl)ether	7.408	93	9089	0.736	ng		97
9) Naphthalene	10.870	128	24846	0.747	ng		99
10) Hexachlorobutadiene	11.147	225	4399	0.772	ng	#	99
12) 2-Methylnaphthalene	12.115	142	3700	0.574	ng	#	89
16) Acenaphthylene	14.375	152	19809	0.730	ng		100
17) Acenaphthene	14.717	154	14384	0.748	ng		99
18) Fluorene	15.701	166	17382	0.760	ng		100
20) 4,6-Dinitro-2-methylph...	15.786	198	1153	0.586	ng	#	58
21) 4-Bromophenyl-phenylether	16.593	248	5202	0.708	ng		94
22) Hexachlorobenzene	16.705	284	6605	0.770	ng		98
23) Atrazine	16.866	200	3739	0.631	ng		98
24) Pentachlorophenol	17.052	266	1933	0.570	ng		99
25) Phenanthrene	17.449	178	29612	0.732	ng		100
26) Anthracene	17.536	178	23335	0.706	ng		100
28) Fluoranthene	19.470	202	32028	0.733	ng		100
30) Pyrene	19.837	202	31791	0.714	ng		100
32) Benzo(a)anthracene	21.591	228	27307	0.714	ng		99
33) Chrysene	21.645	228	30834	0.746	ng		99
34) Bis(2-ethylhexyl)phtha...	21.501	149	12052	0.629	ng		100
36) Indeno(1,2,3-cd)pyrene	26.689	276	30374	0.785	ng		99
37) Benzo(b)fluoranthene	23.321	252	27893	0.744	ng		95
38) Benzo(k)fluoranthene	23.371	252	27852	0.761	ng		95
39) Benzo(a)pyrene	23.973	252	21069	0.748	ng	#	90
40) Dibenzo(a,h)anthracene	26.710	278	24514	0.792	ng		97
41) Benzo(g,h,i)perylene	27.490	276	26282	0.813	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100322\
Data File : BN021976.D
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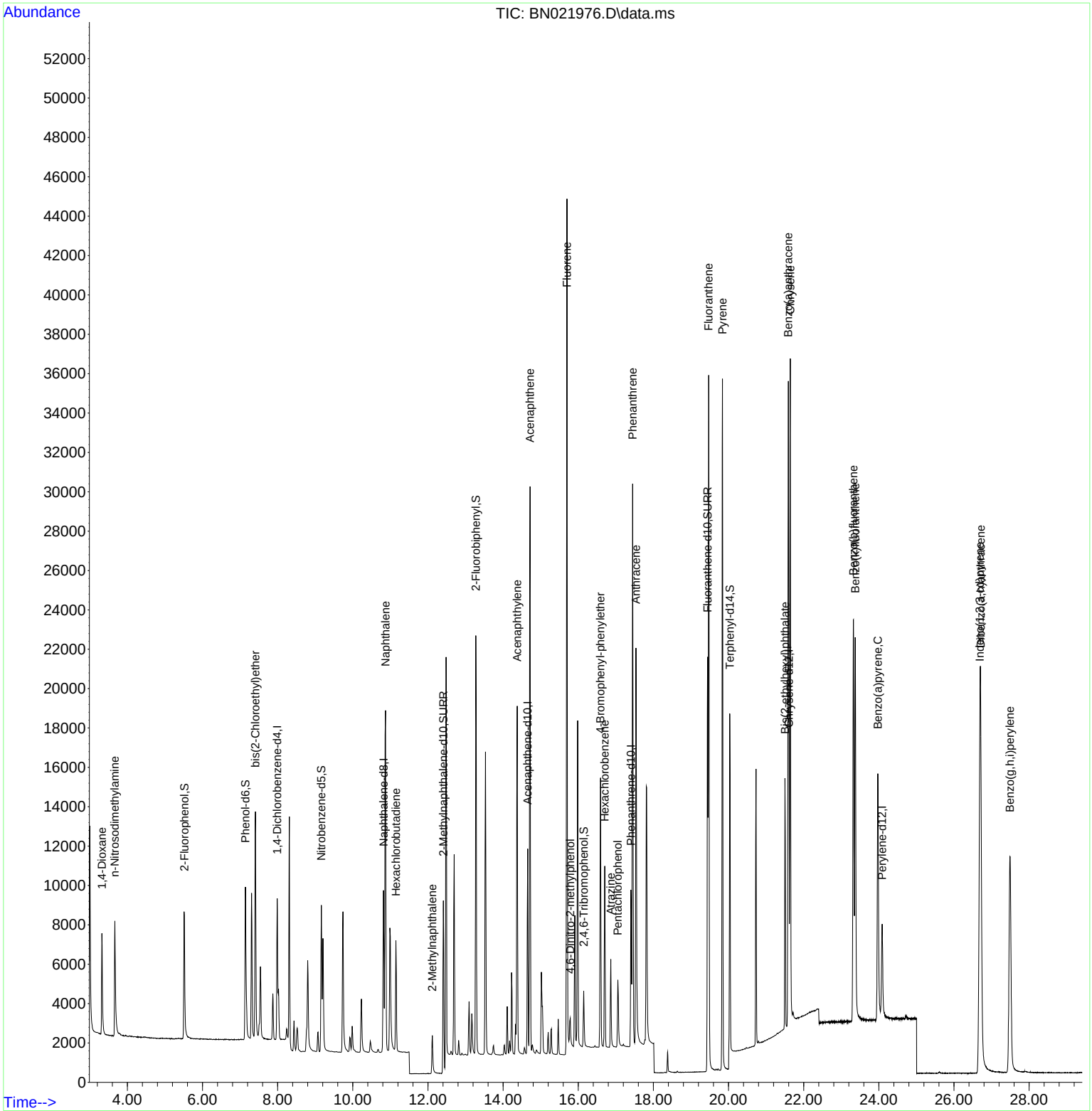
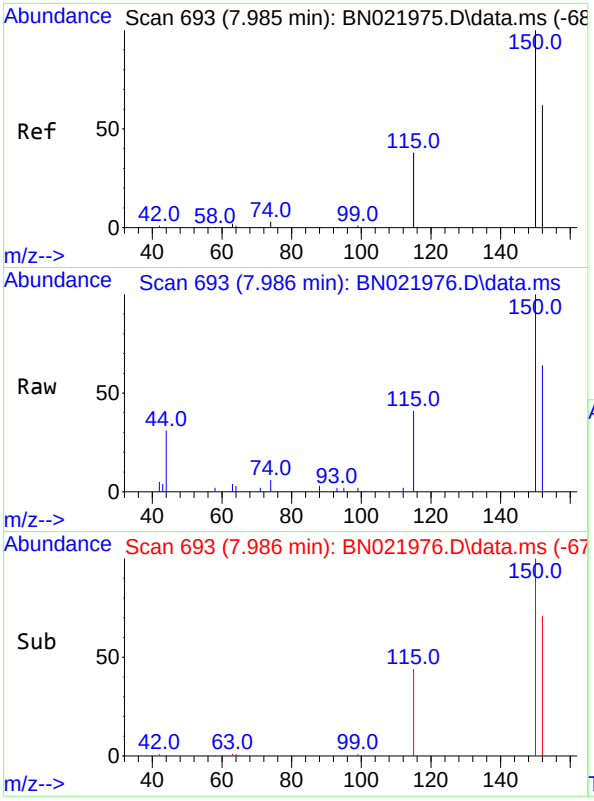
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Oct 04 01:11:32 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 01:08:47 2022
Response via : Initial Calibration



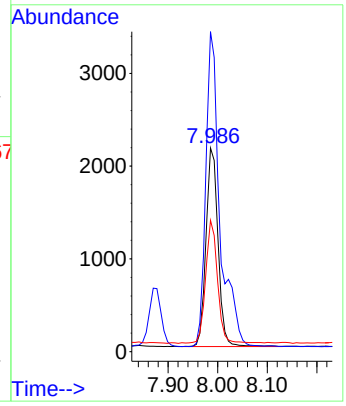


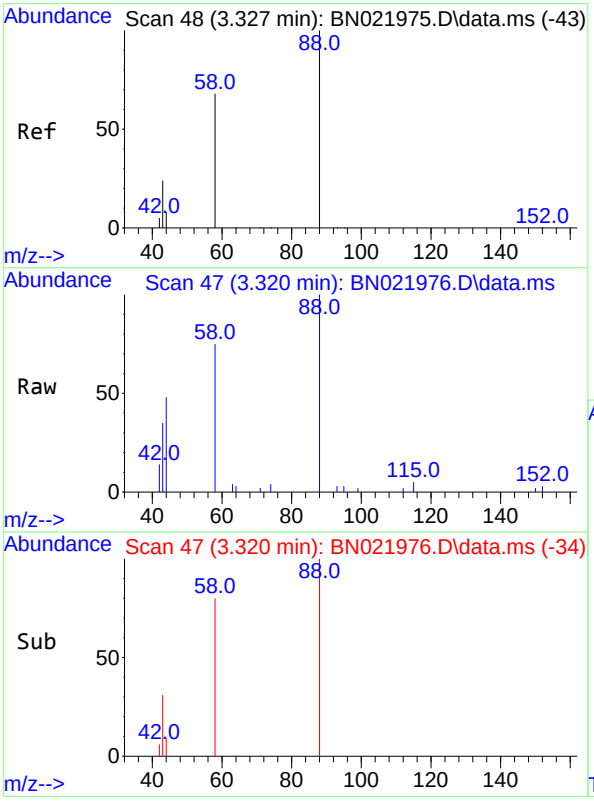
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.986 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 3635

Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.2	190.8
115	64.5	51.4	77.0

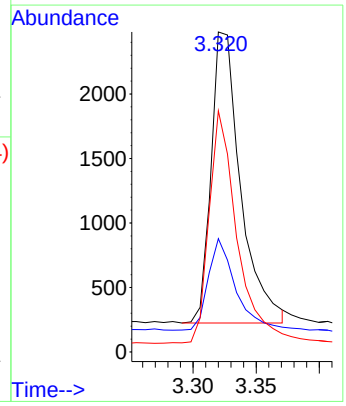


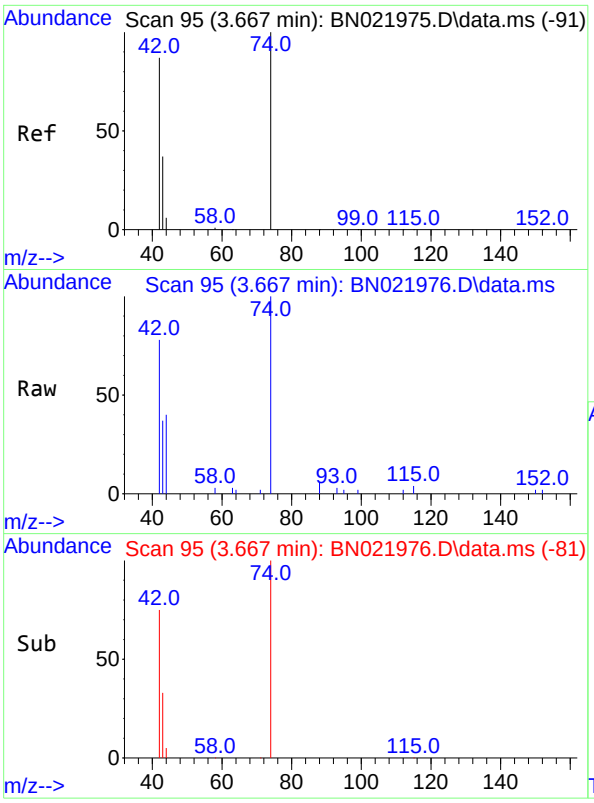


#2
1,4-Dioxane
Concen: 0.758 ng
RT: 3.320 min Scan# 47
Delta R.T. -0.007 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion: 88 Resp: 3669

Ion	Ratio	Lower	Upper
88	100		
43	29.2	22.6	34.0
58	75.4	58.6	88.0



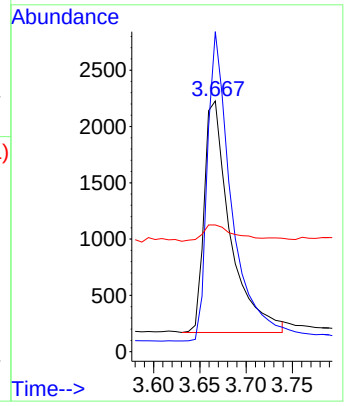


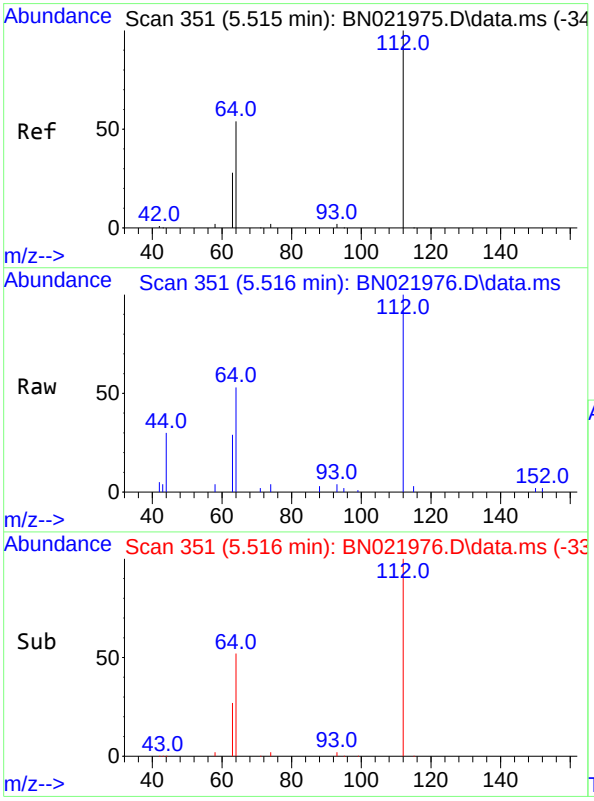
#3
n-Nitrosodimethylamine
Concen: 0.734 ng
RT: 3.667 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 4030

Ion	Ratio	Lower	Upper
42	100		
74	124.7	101.6	152.4
44	8.4	10.4	15.6#

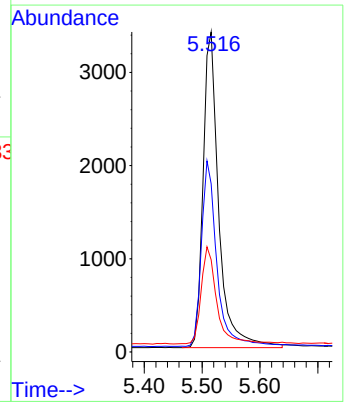


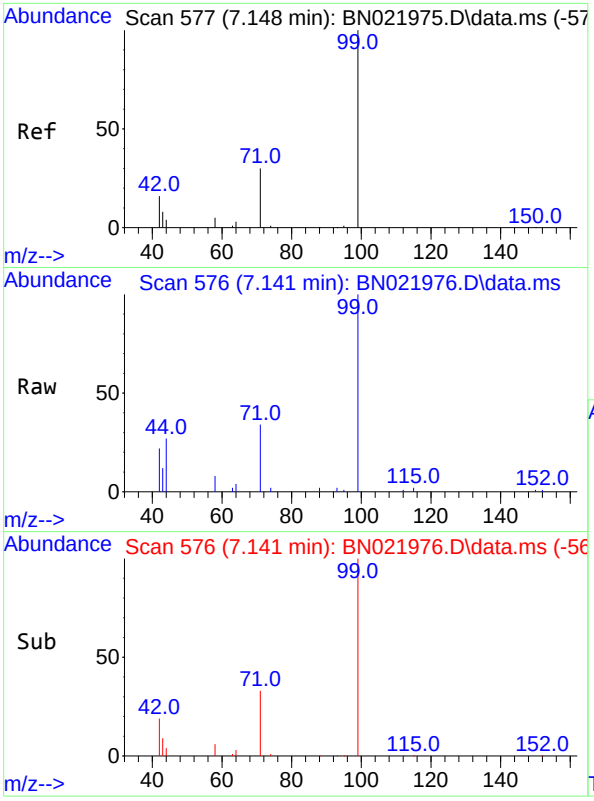


#4
2-Fluorophenol
Concen: 0.671 ng
RT: 5.516 min Scan# 351
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:112 Resp: 6379

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.9	70.3
63	30.8	24.6	37.0



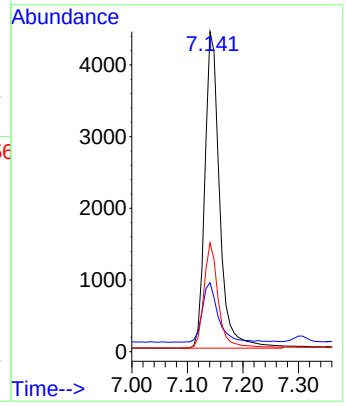


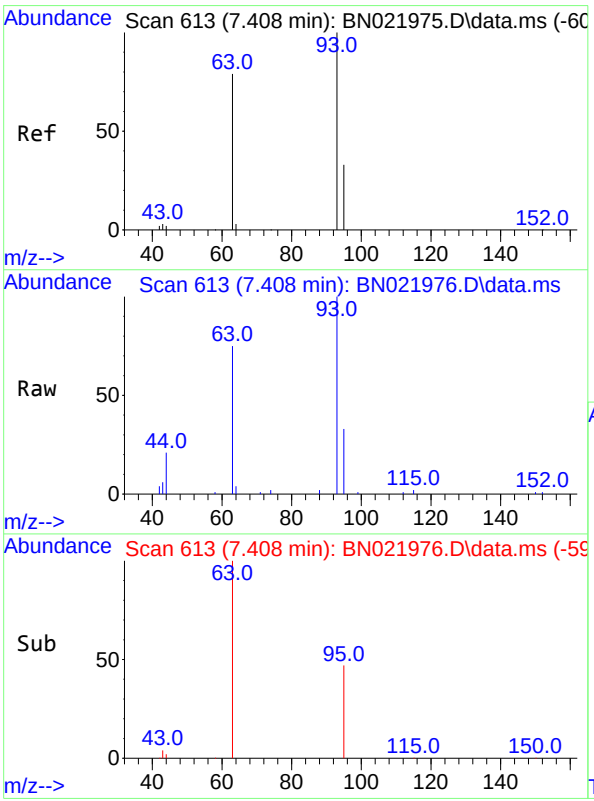
#5
Phenol-d6
Concen: 0.671 ng
RT: 7.141 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 8165

Ion	Ratio	Lower	Upper
99	100		
42	20.6	15.9	23.9
71	32.4	25.6	38.4

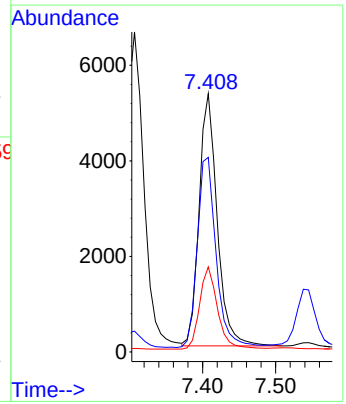


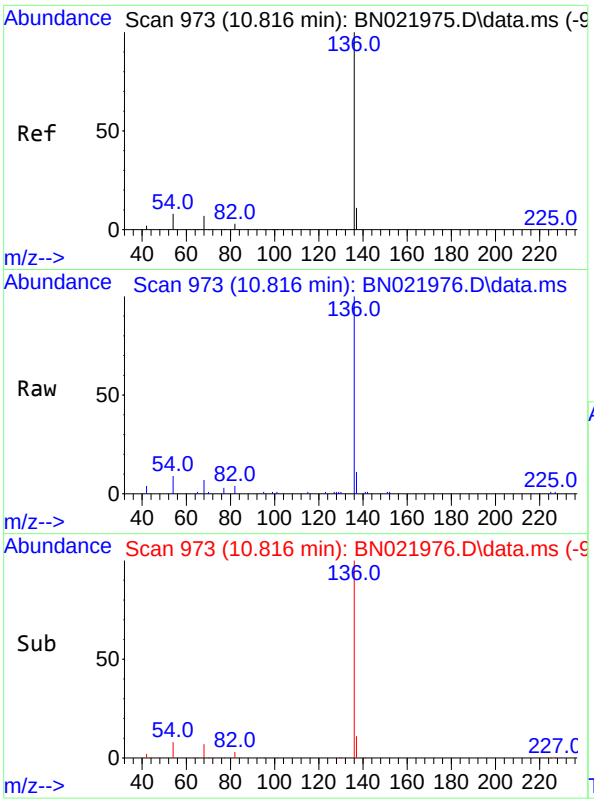


#6
bis(2-Chloroethyl)ether
Concen: 0.736 ng
RT: 7.408 min Scan# 613
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion: 93 Resp: 9089

Ion	Ratio	Lower	Upper
93	100		
63	78.3	64.8	97.2
95	32.4	26.6	40.0



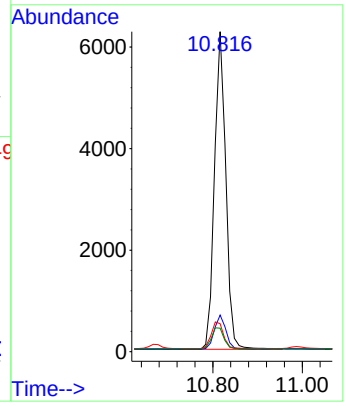


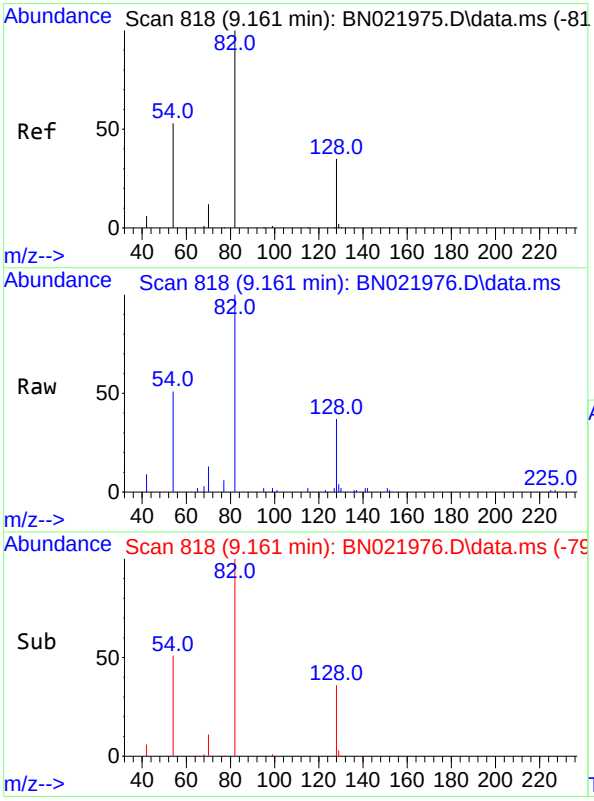
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 10959

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.8	7.1	10.7
68	7.4	6.2	9.2

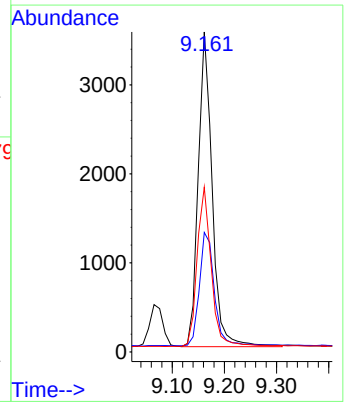


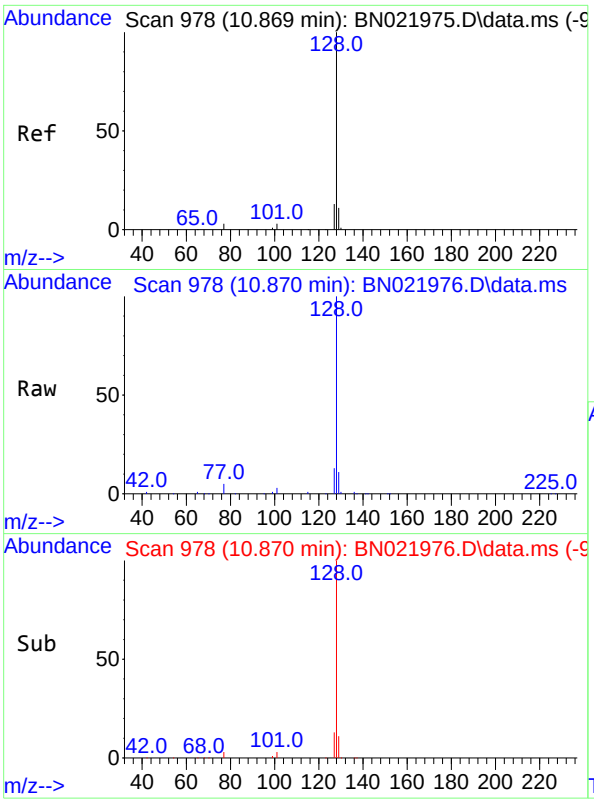


#8
Nitrobenzene-d5
Concen: 0.687 ng
RT: 9.161 min Scan# 818
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion: 82 Resp: 6582

Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.9	44.9
54	51.5	43.5	65.3



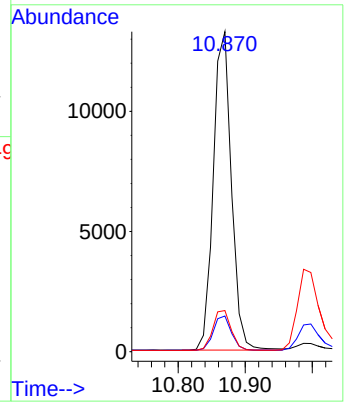


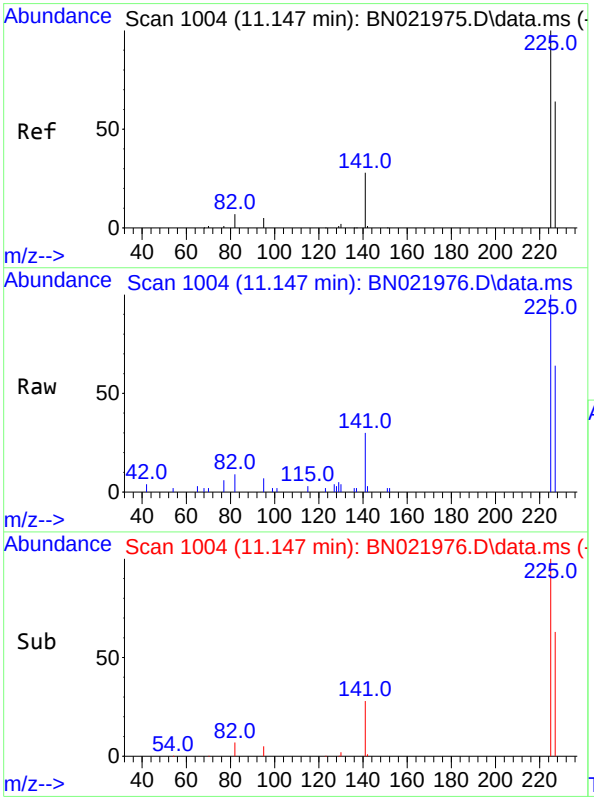
#9
Naphthalene
Concen: 0.747 ng
RT: 10.870 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 24846

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.8	10.6	16.0

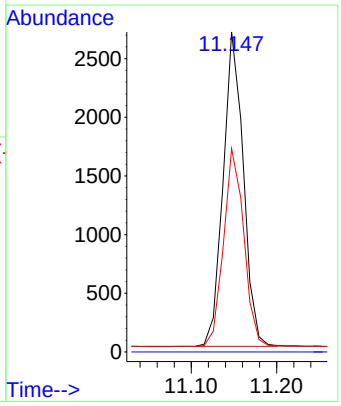


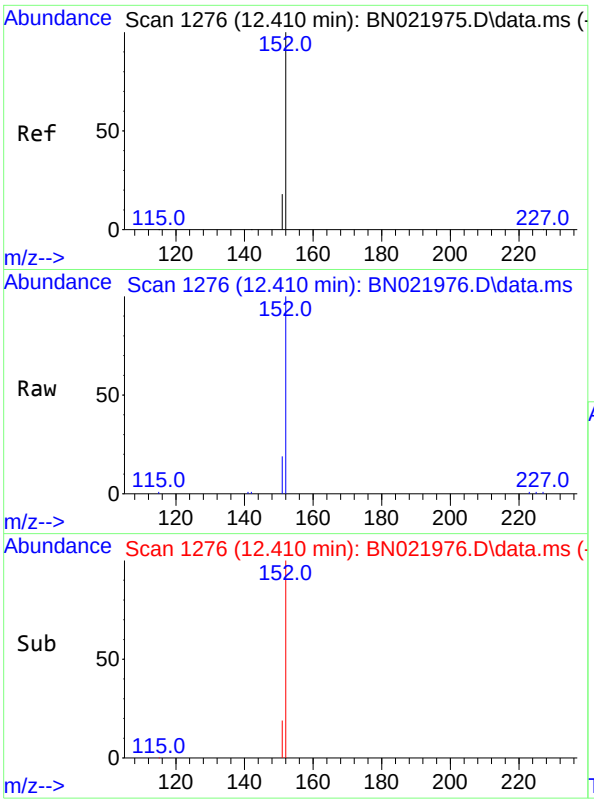


#10
Hexachlorobutadiene
Concen: 0.772 ng
RT: 11.147 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:225 Resp: 4399

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.3	76.9



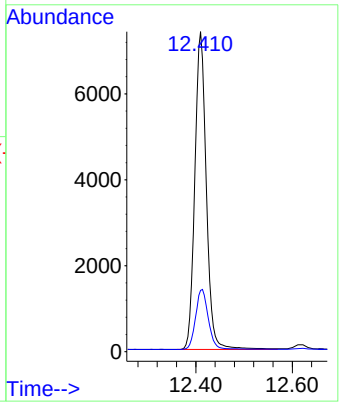


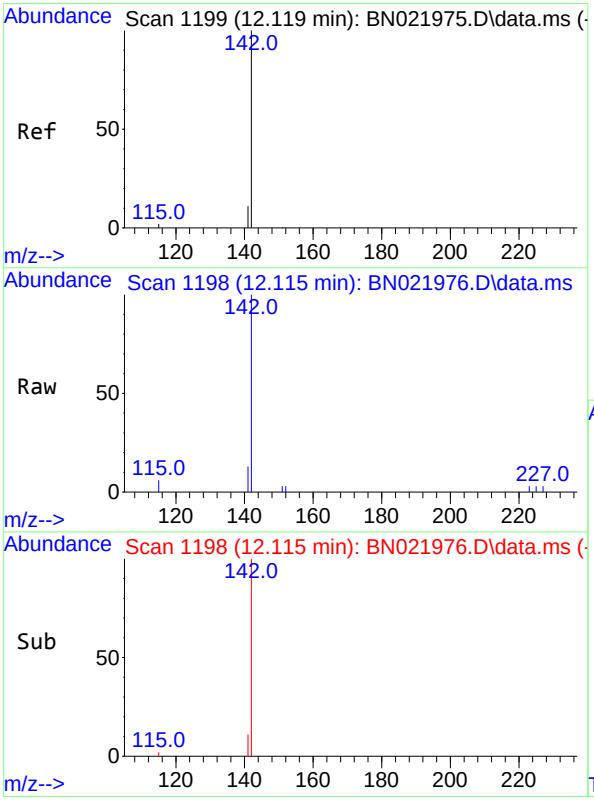
#11
2-Methylnaphthalene-d10
Concen: 0.745 ng
RT: 12.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 15186

Ion	Ratio	Lower	Upper
152	100		
151	20.2	13.8	20.6

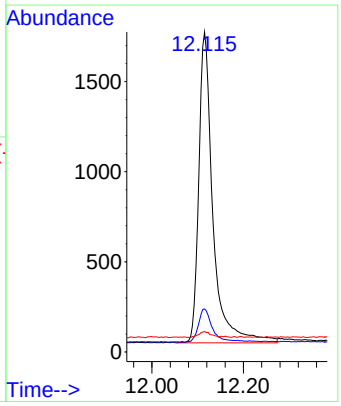


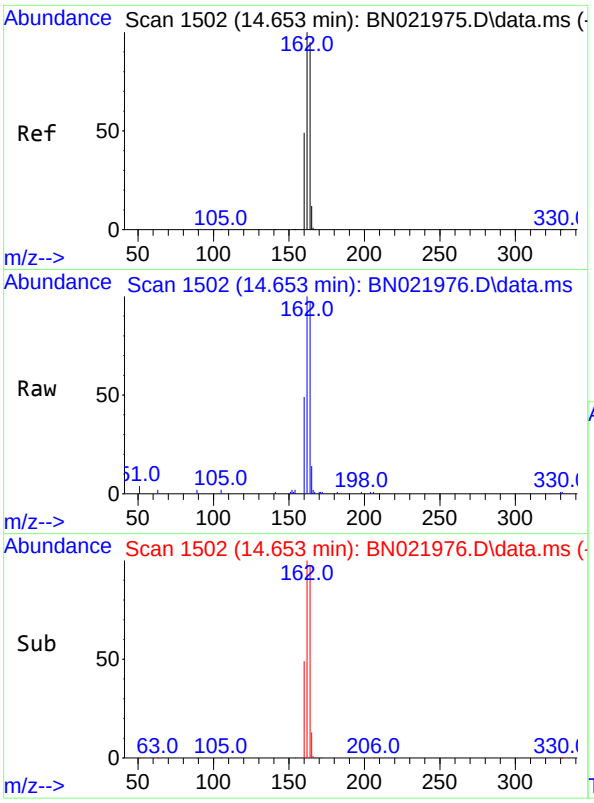


#12
2-Methylnaphthalene
Concen: 0.574 ng
RT: 12.115 min Scan# 1198
Delta R.T. -0.004 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:142 Resp: 3700

Ion	Ratio	Lower	Upper
142	100		
141	13.5	13.6	20.4#
115	6.4	9.7	14.5#





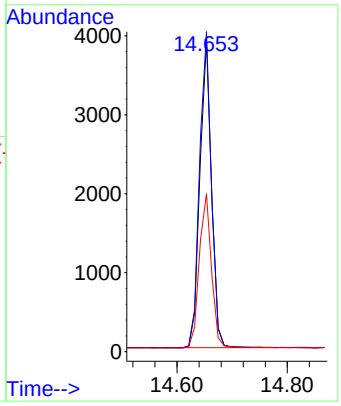
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.653 min Scan# 1

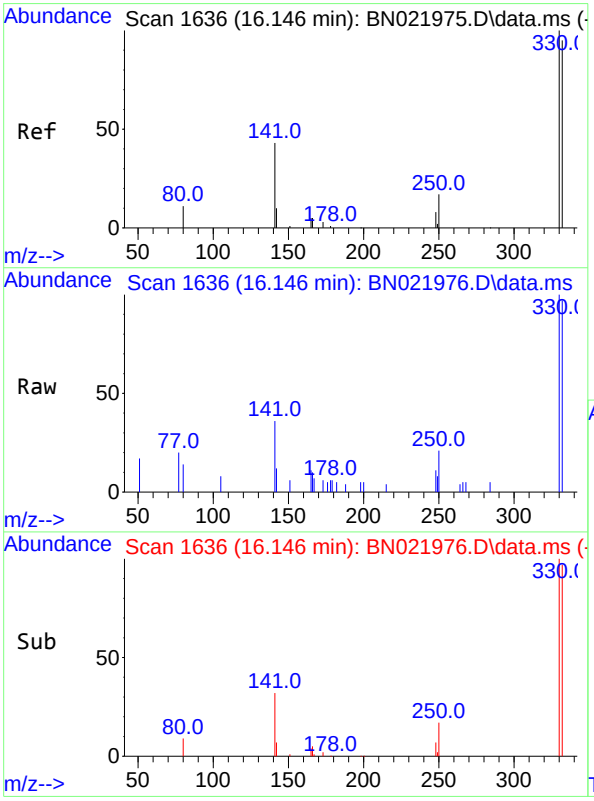
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:164 Resp: 5716

Ion	Ratio	Lower	Upper
164	100		
162	102.9	84.3	126.5
160	50.8	41.7	62.5

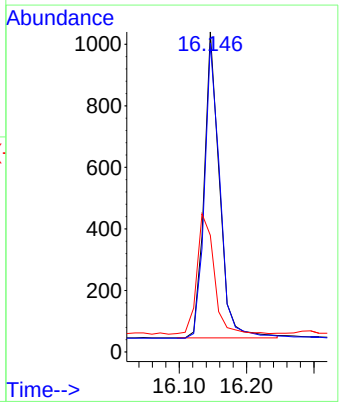


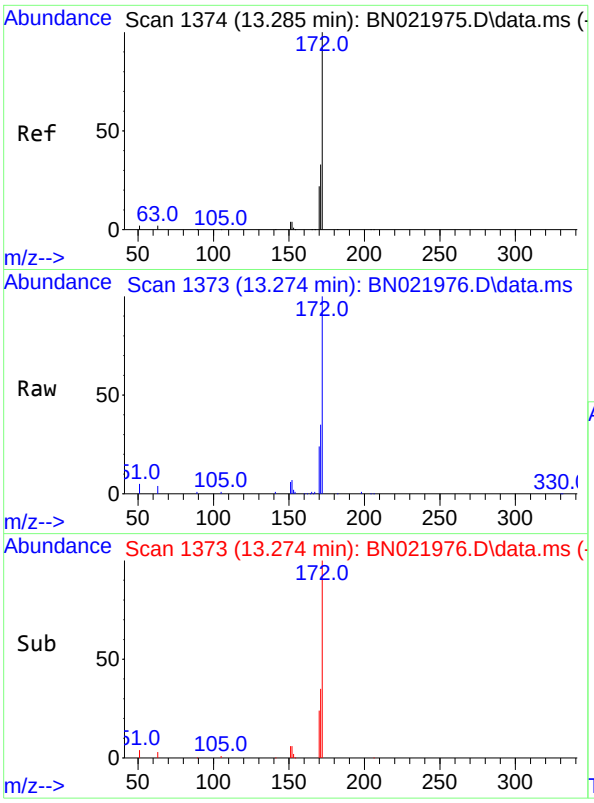


#14
2,4,6-Tribromophenol
Concen: 0.620 ng
RT: 16.146 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:330 Resp: 1572

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.4
141	44.1	35.3	52.9



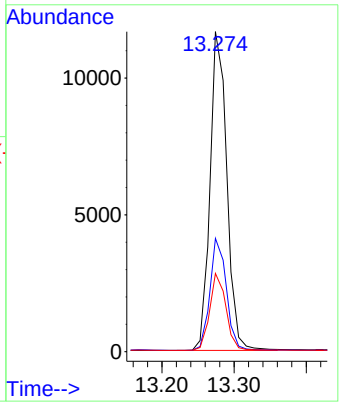


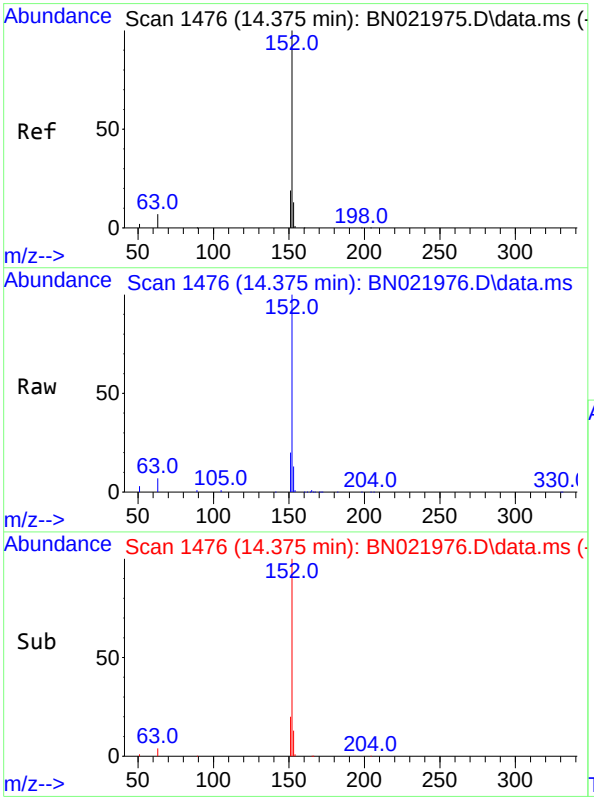
#15
2-Fluorobiphenyl
Concen: 0.762 ng
RT: 13.274 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 18867

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.2	40.8
170	24.4	18.3	27.5

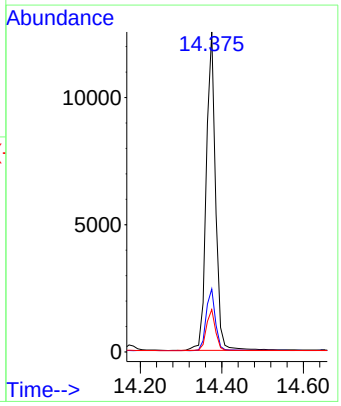


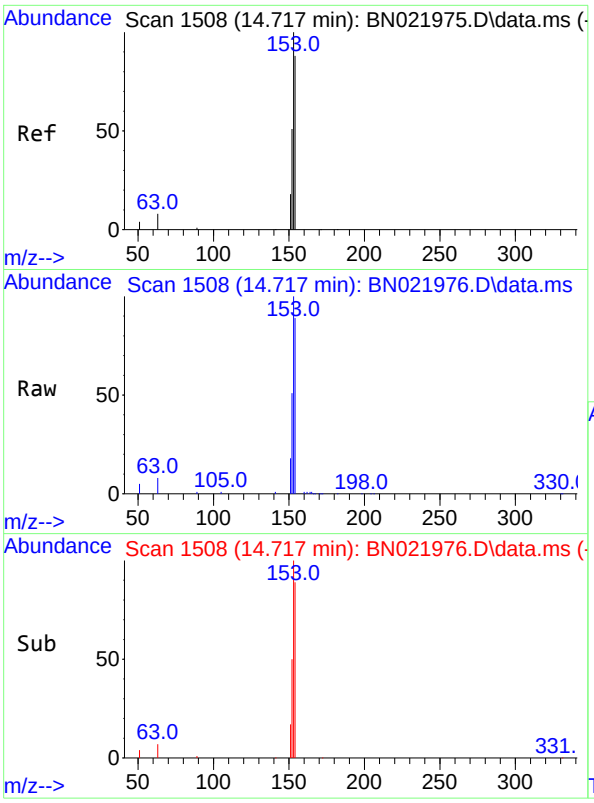


#16
Acenaphthylene
Concen: 0.730 ng
RT: 14.375 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:152 Resp: 19809

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	12.9	10.4	15.6



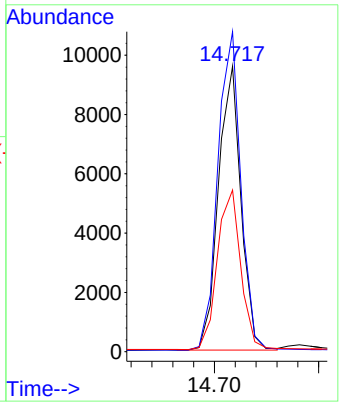


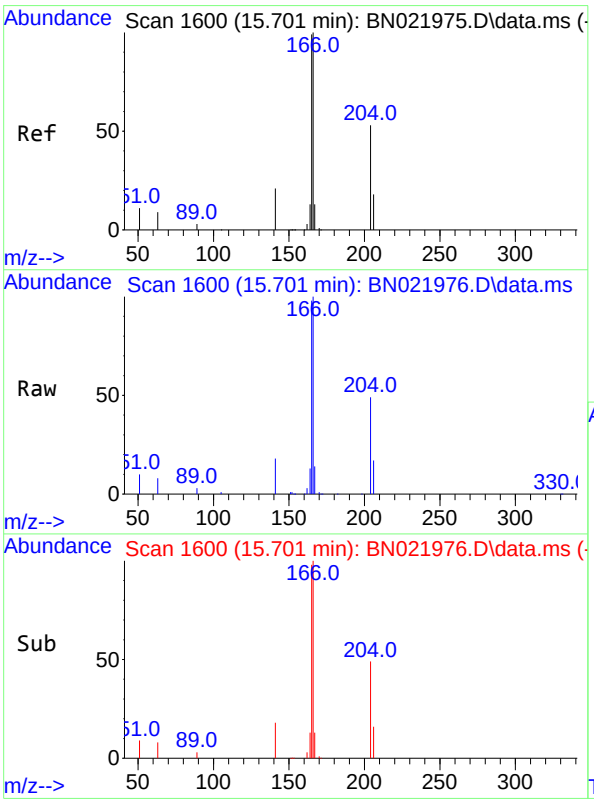
#17
Acenaphthene
Concen: 0.748 ng
RT: 14.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 14384

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.1	138.1
152	58.9	47.8	71.6

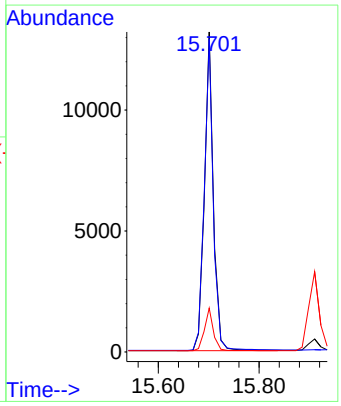


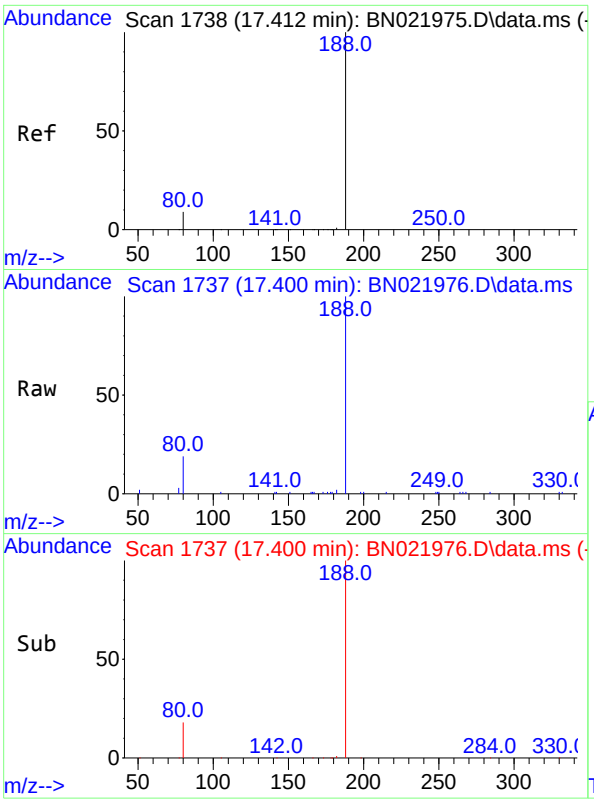


#18
Fluorene
Concen: 0.760 ng
RT: 15.701 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:166 Resp: 17382

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.0	120.0
167	13.5	10.9	16.3



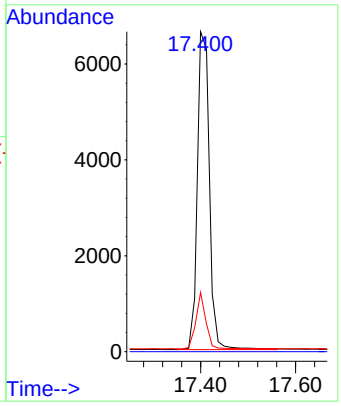


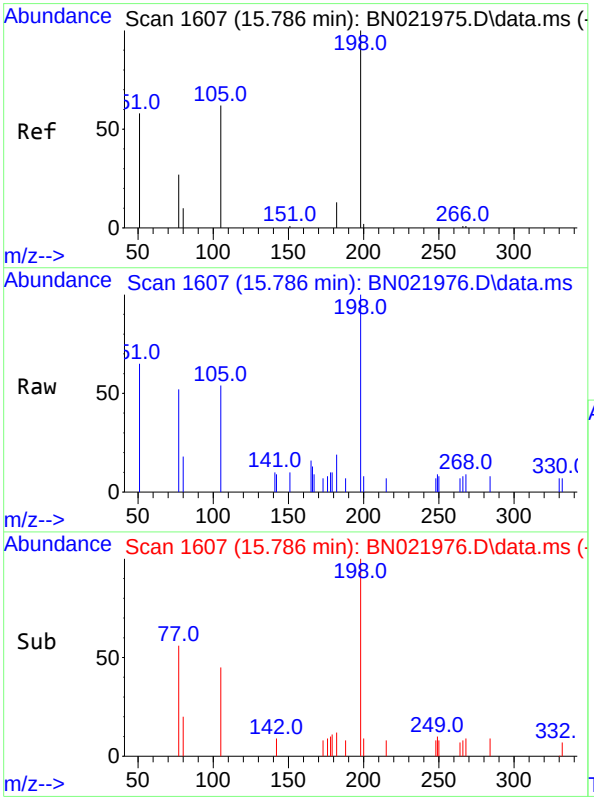
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.400 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 11638

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	18.5	7.5	11.3#

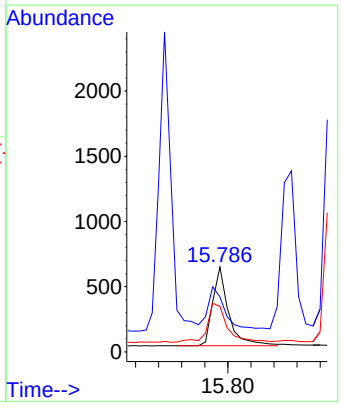


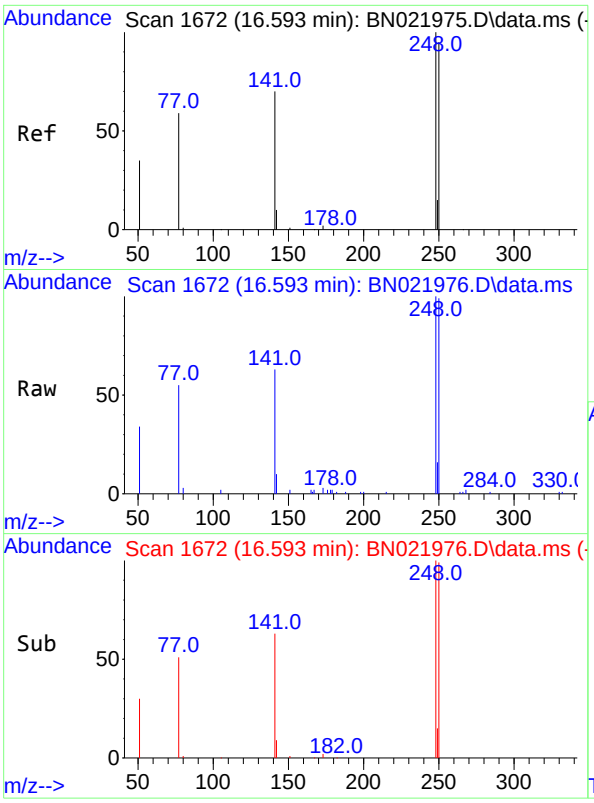


#20
4,6-Dinitro-2-methylphenol
Concen: 0.586 ng
RT: 15.786 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:198 Resp: 1153

Ion	Ratio	Lower	Upper
198	100		
51	64.9	96.6	144.8#
105	53.7	64.4	96.6#



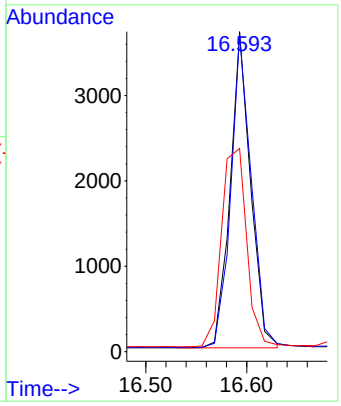


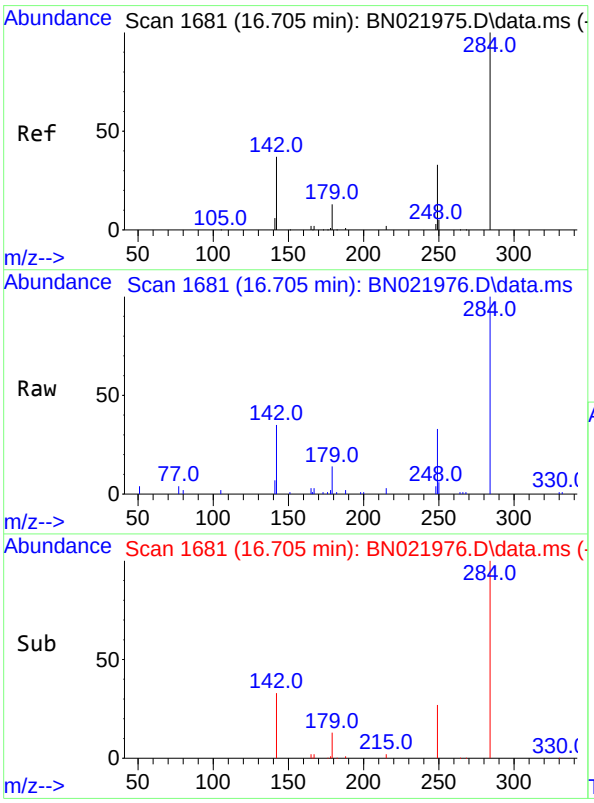
#21
4-Bromophenyl-phenylether
Concen: 0.708 ng
RT: 16.593 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 5202

Ion	Ratio	Lower	Upper
248	100		
250	99.1	76.6	114.8
141	63.5	57.5	86.3

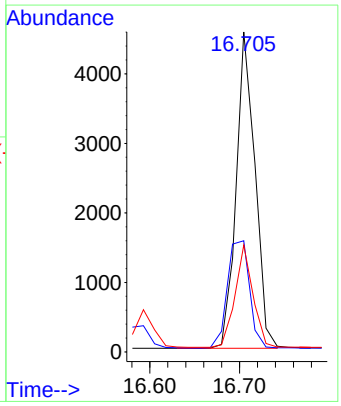


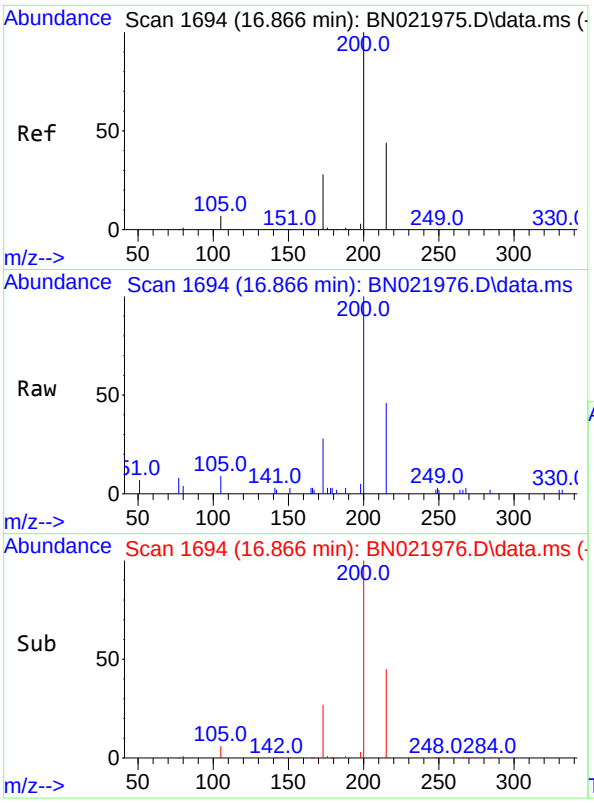


#22
Hexachlorobenzene
Concen: 0.770 ng
RT: 16.705 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:284 Resp: 6605

Ion	Ratio	Lower	Upper
284	100		
142	40.2	33.4	50.0
249	30.7	25.1	37.7



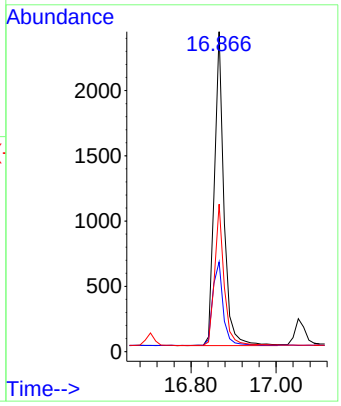


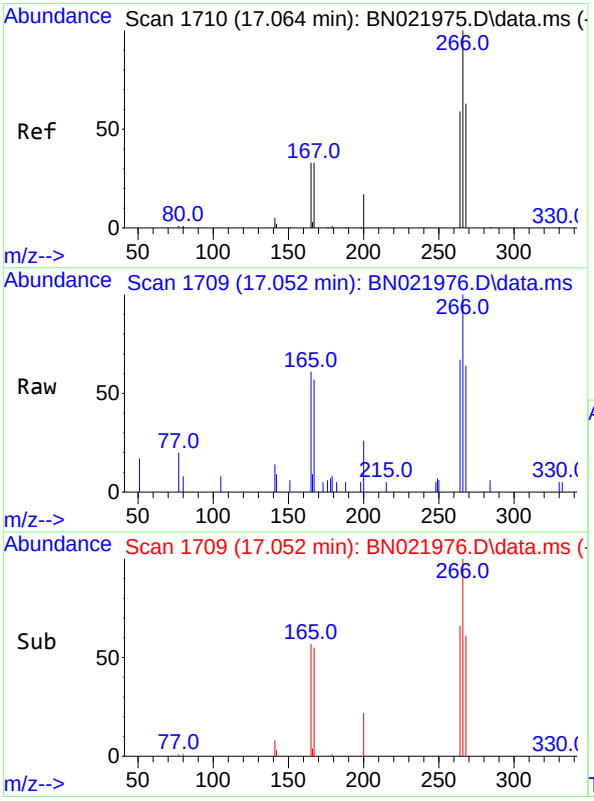
#23
Atrazine
Concen: 0.631 ng
RT: 16.866 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 3739

Ion	Ratio	Lower	Upper
200	100		
173	28.0	24.6	36.8
215	46.1	37.1	55.7

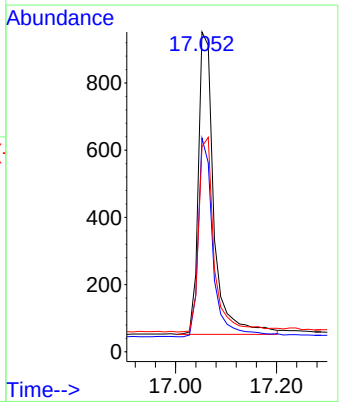


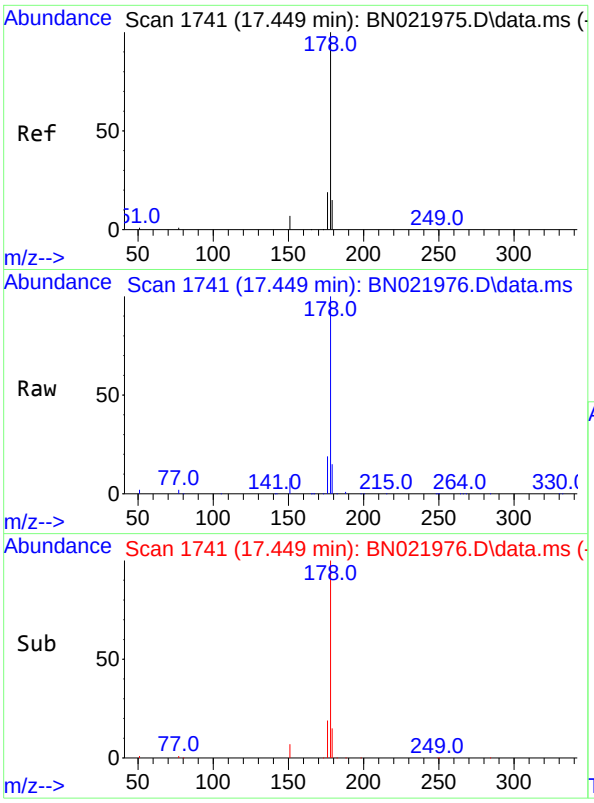


#24
Pentachlorophenol
Concen: 0.570 ng
RT: 17.052 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:266 Resp: 1933

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.8	74.6
268	64.0	49.6	74.4



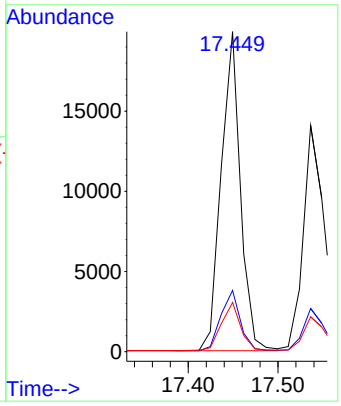


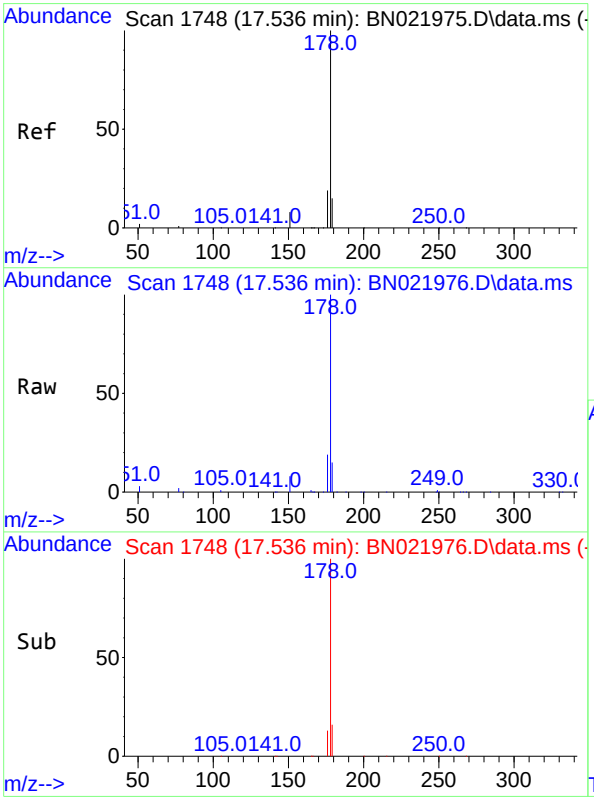
#25
Phenanthrene
Concen: 0.732 ng
RT: 17.449 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 29612

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.1	12.2	18.2

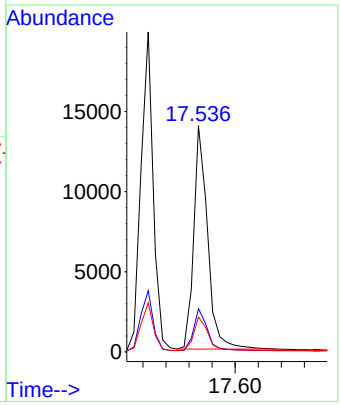


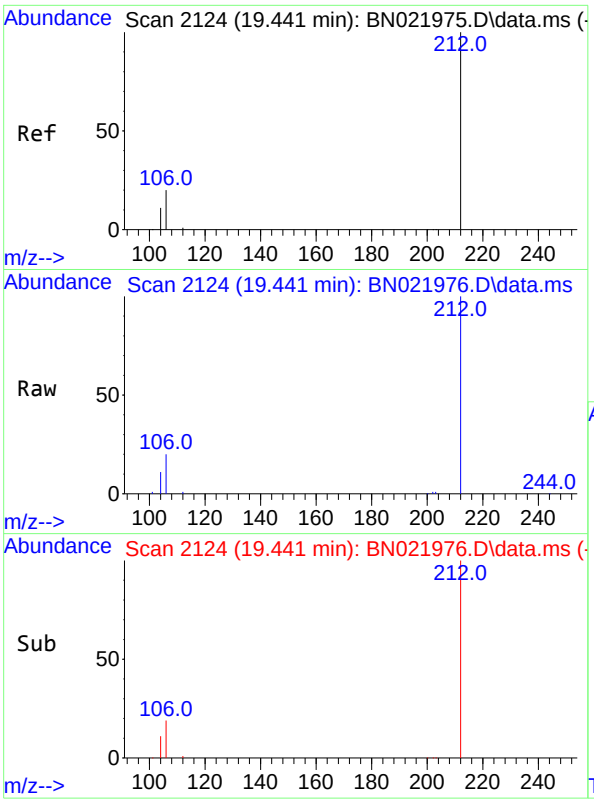


#26
Anthracene
Concen: 0.706 ng
RT: 17.536 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:178 Resp: 23335

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.1	12.2	18.2



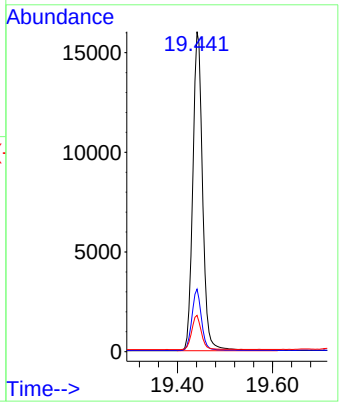


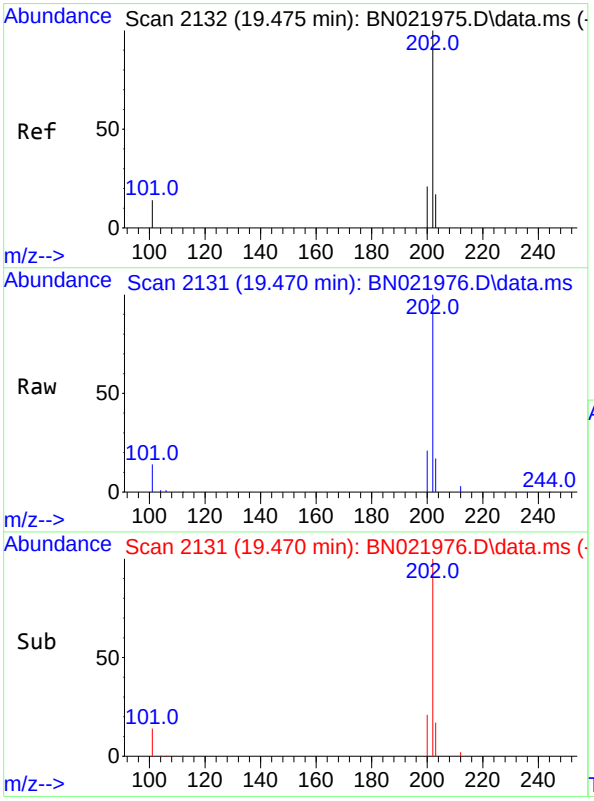
#27
Fluoranthene-d10
Concen: 0.717 ng
RT: 19.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 22868

Ion	Ratio	Lower	Upper
212	100		
106	18.9	15.2	22.8
104	10.6	8.6	13.0

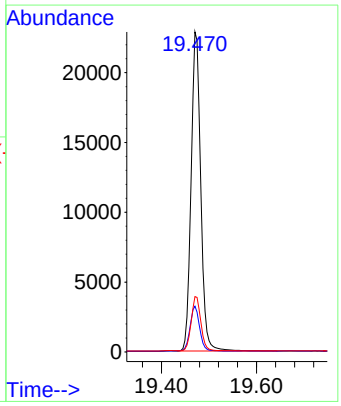


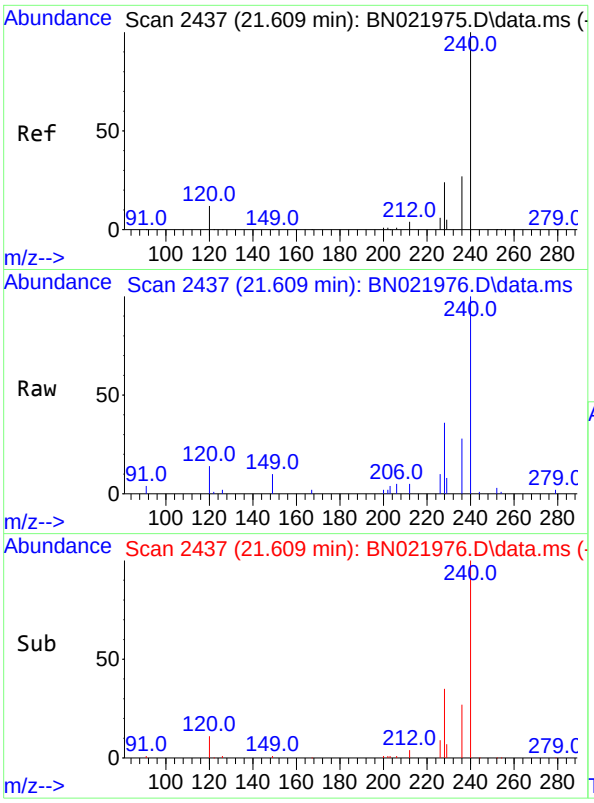


#28
Fluoranthene
Concen: 0.733 ng
RT: 19.470 min Scan# 2131
Delta R.T. -0.004 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:202 Resp: 32028

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.4	17.0
203	17.0	13.5	20.3



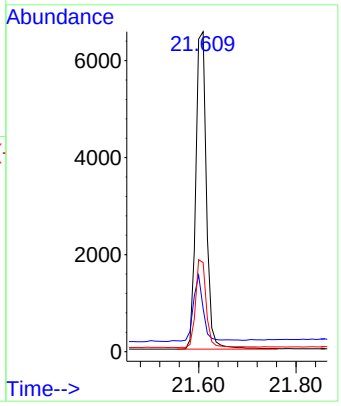


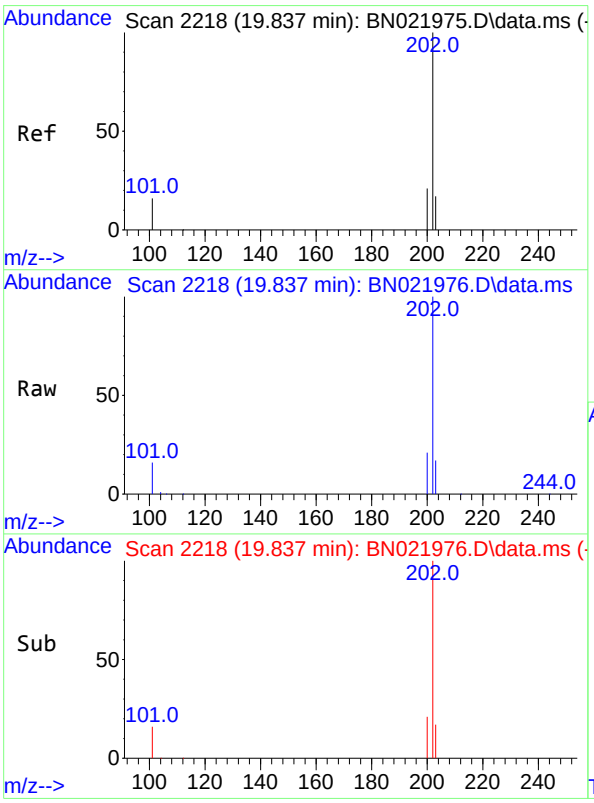
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 9900

Ion	Ratio	Lower	Upper
240	100		
120	13.5	11.8	17.6
236	27.9	22.4	33.6

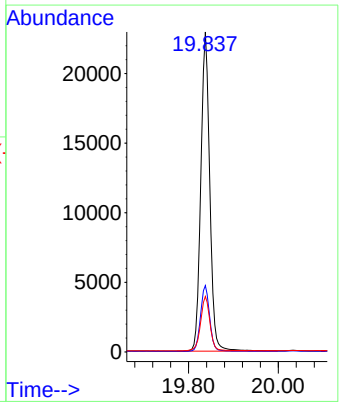


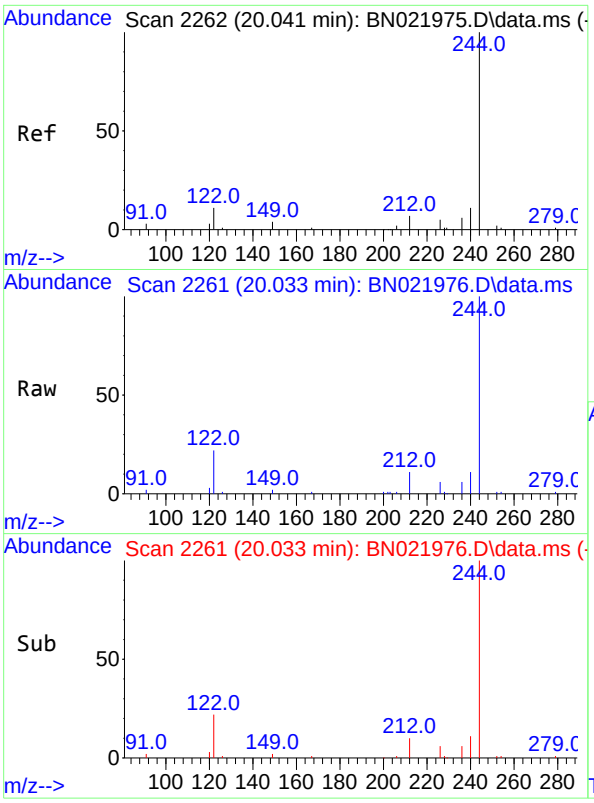


#30
Pyrene
Concen: 0.714 ng
RT: 19.837 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:202 Resp: 31791

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	14.1	21.1



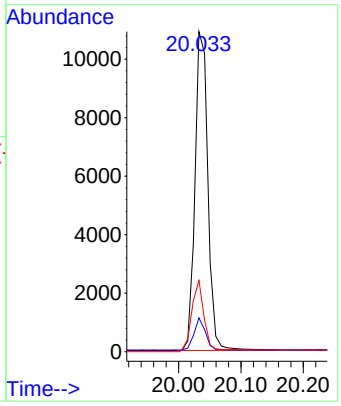


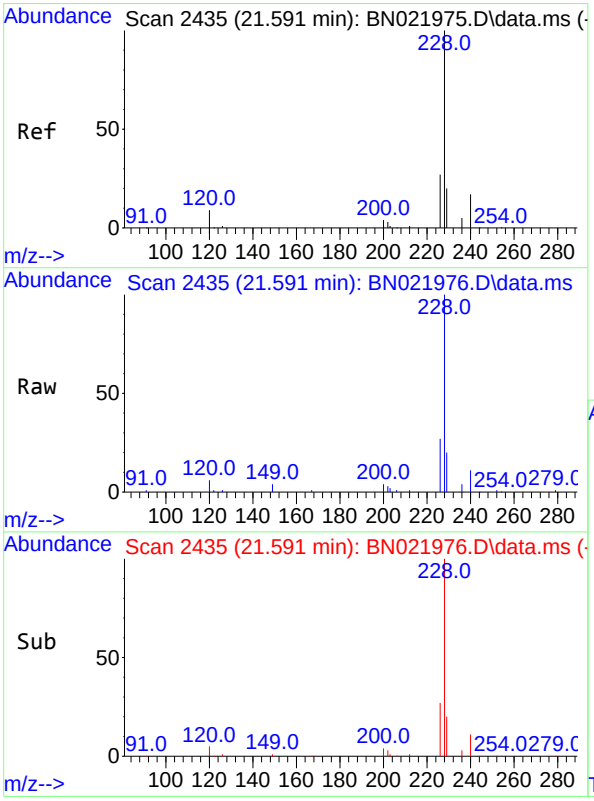
#31
Terphenyl-d14
Concen: 0.739 ng
RT: 20.033 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 14747

Ion	Ratio	Lower	Upper
244	100		
212	10.6	6.5	9.7#
122	22.2	9.1	13.7#

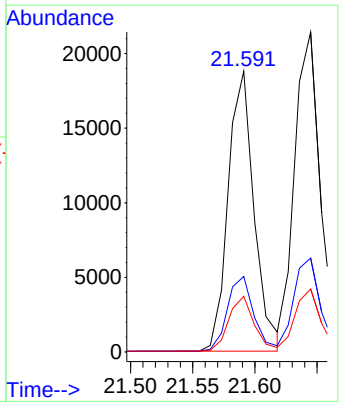


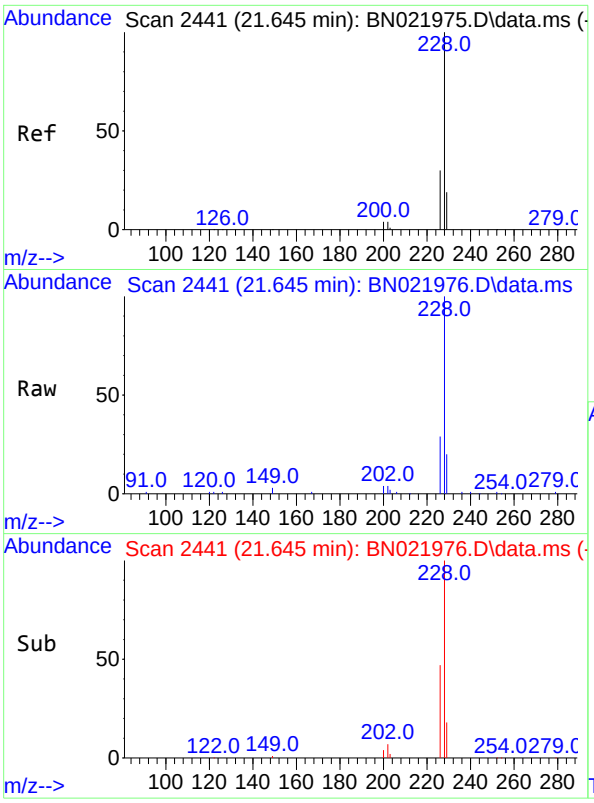


#32
Benzo(a)anthracene
Concen: 0.714 ng
RT: 21.591 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:228 Resp: 27307

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.2	33.4
229	19.9	16.2	24.2



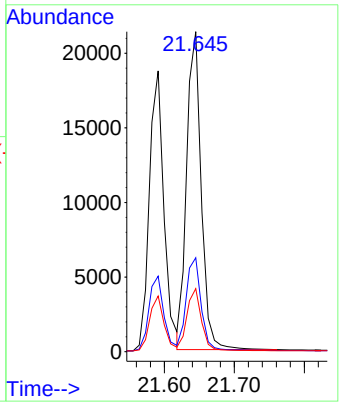


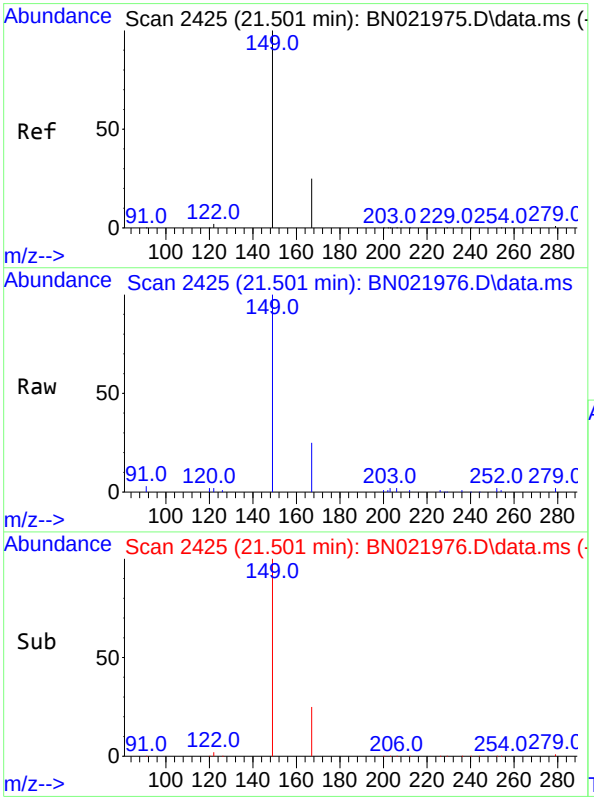
#33
Chrysene
Concen: 0.746 ng
RT: 21.645 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 30834

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.2
229	19.7	15.8	23.6

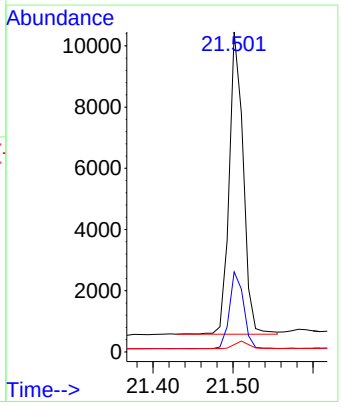


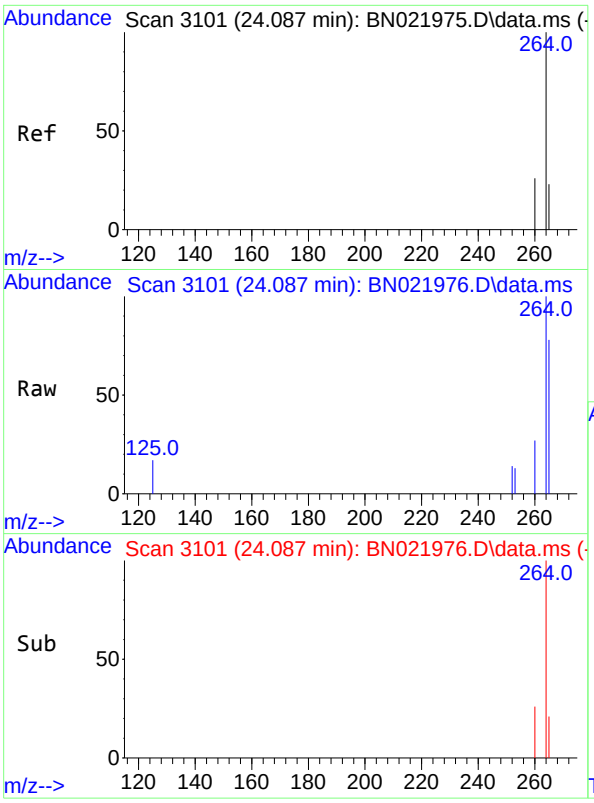


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.629 ng
RT: 21.501 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:149 Resp: 12052

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.2	30.4
279	2.7	2.3	3.5



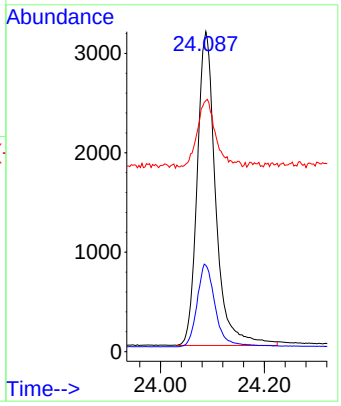


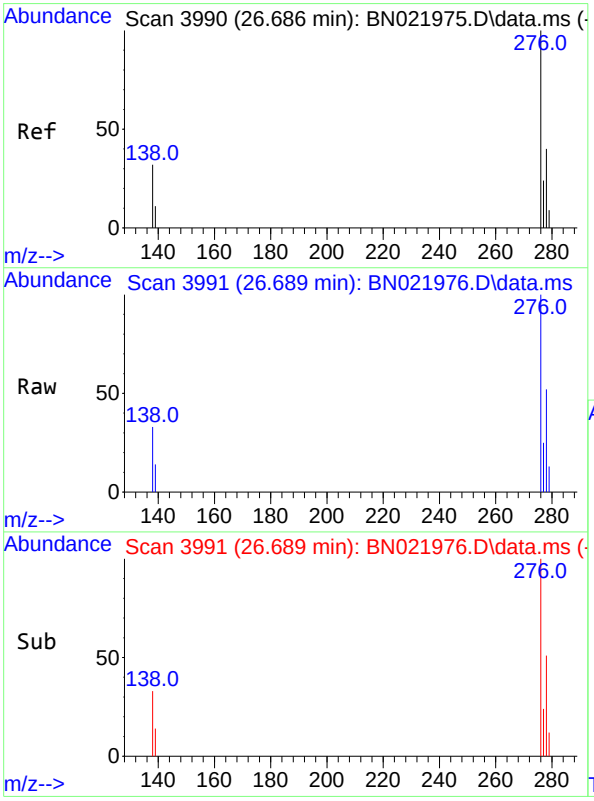
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 7776

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.3	31.9
265	78.4	63.0	94.4

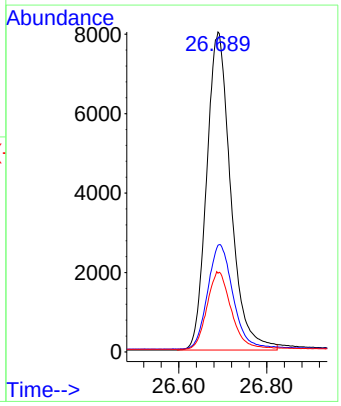


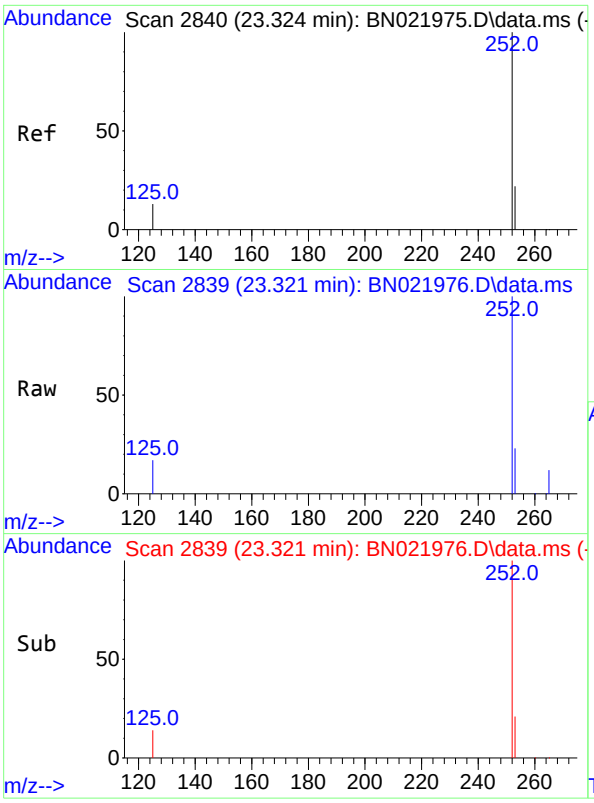


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.785 ng
RT: 26.689 min Scan# 3991
Delta R.T. 0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:276 Resp: 30374

Ion	Ratio	Lower	Upper
276	100		
138	34.6	28.0	42.0
277	24.6	19.8	29.8



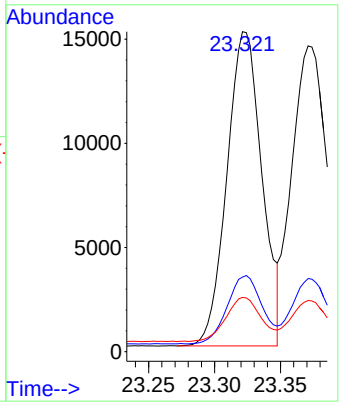


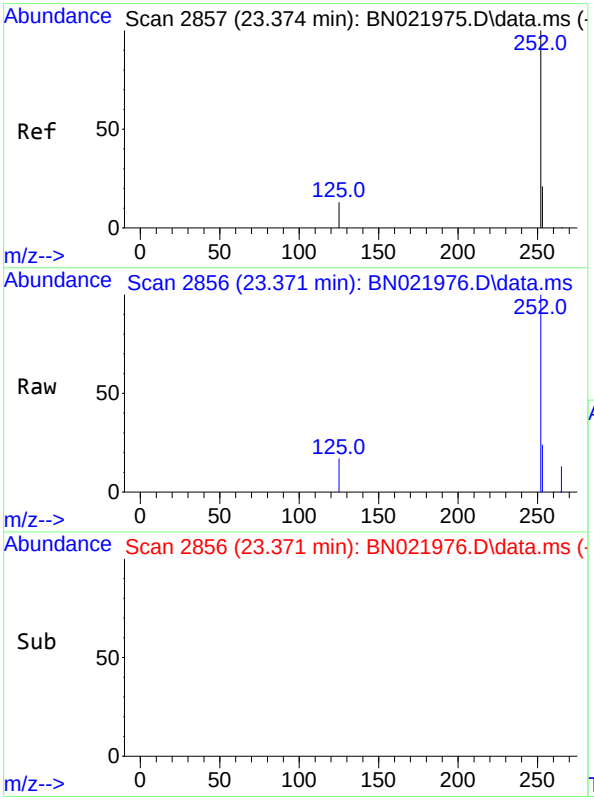
#37
Benzo(b)fluoranthene
Concen: 0.744 ng
RT: 23.321 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 27893

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.6	31.0
125	16.9	15.6	23.4

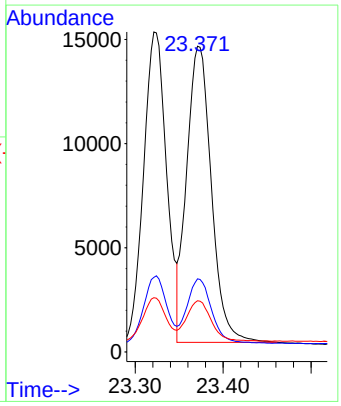


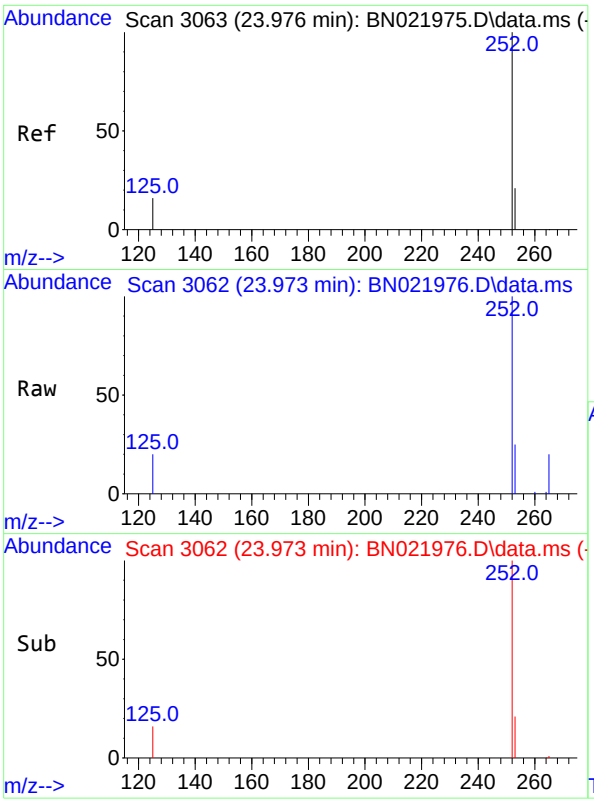


#38
Benzo(k)fluoranthene
Concen: 0.761 ng
RT: 23.371 min Scan# 2856
Delta R.T. -0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:252 Resp: 27852

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.4	30.6
125	16.7	15.8	23.6



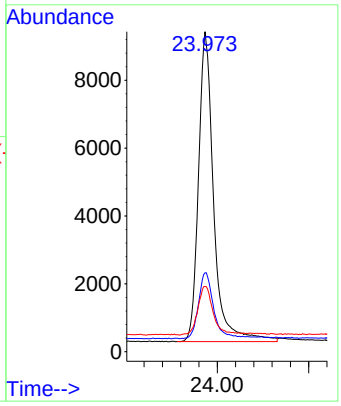


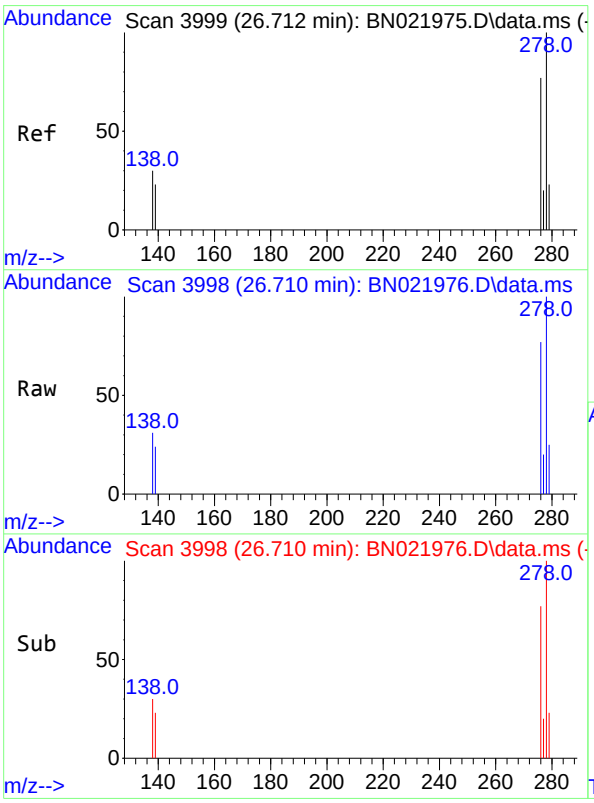
#39
Benzo(a)pyrene
Concen: 0.748 ng
RT: 23.973 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 21069

Ion	Ratio	Lower	Upper
252	100		
253	24.6	23.2	34.8
125	20.4	21.1	31.7#

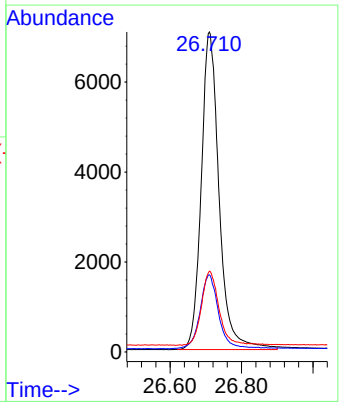


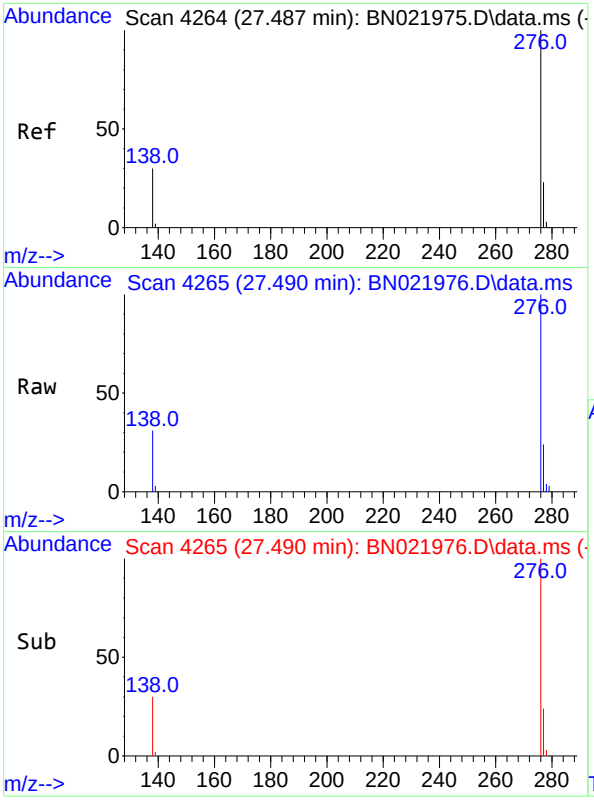


#40
Dibenzo(a,h)anthracene
Concen: 0.792 ng
RT: 26.710 min Scan# 3998
Delta R.T. -0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Tgt Ion:278 Resp: 24514

Ion	Ratio	Lower	Upper
278	100		
139	24.1	19.9	29.9
279	25.2	21.9	32.9





#41
Benzo(g,h,i)perylene
Concen: 0.813 ng
RT: 27.490 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN021976.D
Acq: 03 Oct 2022 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 26282

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.0	30.0
138	30.8	25.2	37.8