Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101223\
Data File : BN028264.D
Acq On : 12 Oct 2023 17:09
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Oct 13 01:46:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 13 01:45:19 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	2100	0.400	ng	0.00
7) Naphthalene-d8	10.714	136	7239	0.400	ng	# 0.00
13) Acenaphthene-d10	14.544	164	4545	0.400	ng	0.00
19) Phenanthrene-d10	17.306	188	10153	0.400	ng	0.00
29) Chrysene-d12	21.497	240	10798	0.400	ng	0.00
35) Perylene-d12	23.958	264	12724	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	1534	0.282	ng	0.00
5) Phenol-d6	7.062	99	1749	0.255	ng	0.00
8) Nitrobenzene-d5	9.102	82	1320	0.229	ng	0.00
11) 2-Methylnaphthalene-d10	12.302	152	2205	0.211	ng	0.00
14) 2,4,6-Tribromophenol	16.053	330	459	0.230	ng	0.00
15) 2-Fluorobiphenyl	13.165	172	3246	0.211	ng	0.00
27) Fluoranthene-d10	19.337	212	5427	0.205	ng	0.00
31) Terphenyl-d14	19.922	244	4646	0.220	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	523	0.204	ng	# 90
3) n-Nitrosodimethylamine	3.660	42	574	0.195	ng	# 90
6) bis(2-Chloroethyl)ether	7.337	93	1224	0.190	ng	99
9) Naphthalene	10.767	128	3806	0.193	ng	# 94
10) Hexachlorobutadiene	10.981	225	669	0.196	ng	# 99
12) 2-Methylnaphthalene	12.377	142	2659	0.193	ng	98
16) Acenaphthylene	14.277	152	4054	0.207	ng	99
17) Acenaphthene	14.608	154	2568	0.190	ng	99
18) Fluorene	15.593	166	3386	0.175	ng	100
20) 4,6-Dinitro-2-methylph...	15.730	198	60	0.073	ng	# 1
21) 4-Bromophenyl-phenylether	16.487	248	1017	0.196	ng	# 93
22) Hexachlorobenzene	16.574	284	1077	0.185	ng	97
23) Atrazine	16.760	200	994	0.248	ng	# 93
24) Pentachlorophenol	16.959	266	474	0.196	ng	91
25) Phenanthrene	17.343	178	5539	0.189	ng	99
26) Anthracene	17.443	178	5095	0.200	ng	99
28) Fluoranthene	19.365	202	7170	0.197	ng	99
30) Pyrene	19.732	202	7607	0.198	ng	99
32) Benzo(a)anthracene	21.480	228	7994	0.212	ng	95
33) Chrysene	21.533	228	7281	0.180	ng	95
34) Bis(2-ethylhexyl)phtha...	21.354	149	7017	0.371	ng	99
36) Indeno(1,2,3-cd)pyrene	26.536	276	10748	0.201	ng	100
37) Benzo(b)fluoranthene	23.195	252	8224	0.167	ng	# 75
38) Benzo(k)fluoranthene	23.247	252	8388	0.168	ng	# 75
39) Benzo(a)pyrene	23.846	252	8035	0.178	ng	# 73
40) Dibenzo(a,h)anthracene	26.551	278	8650	0.198	ng	# 82
41) Benzo(g,h,i)perylene	27.349	276	8965	0.188	ng	# 89

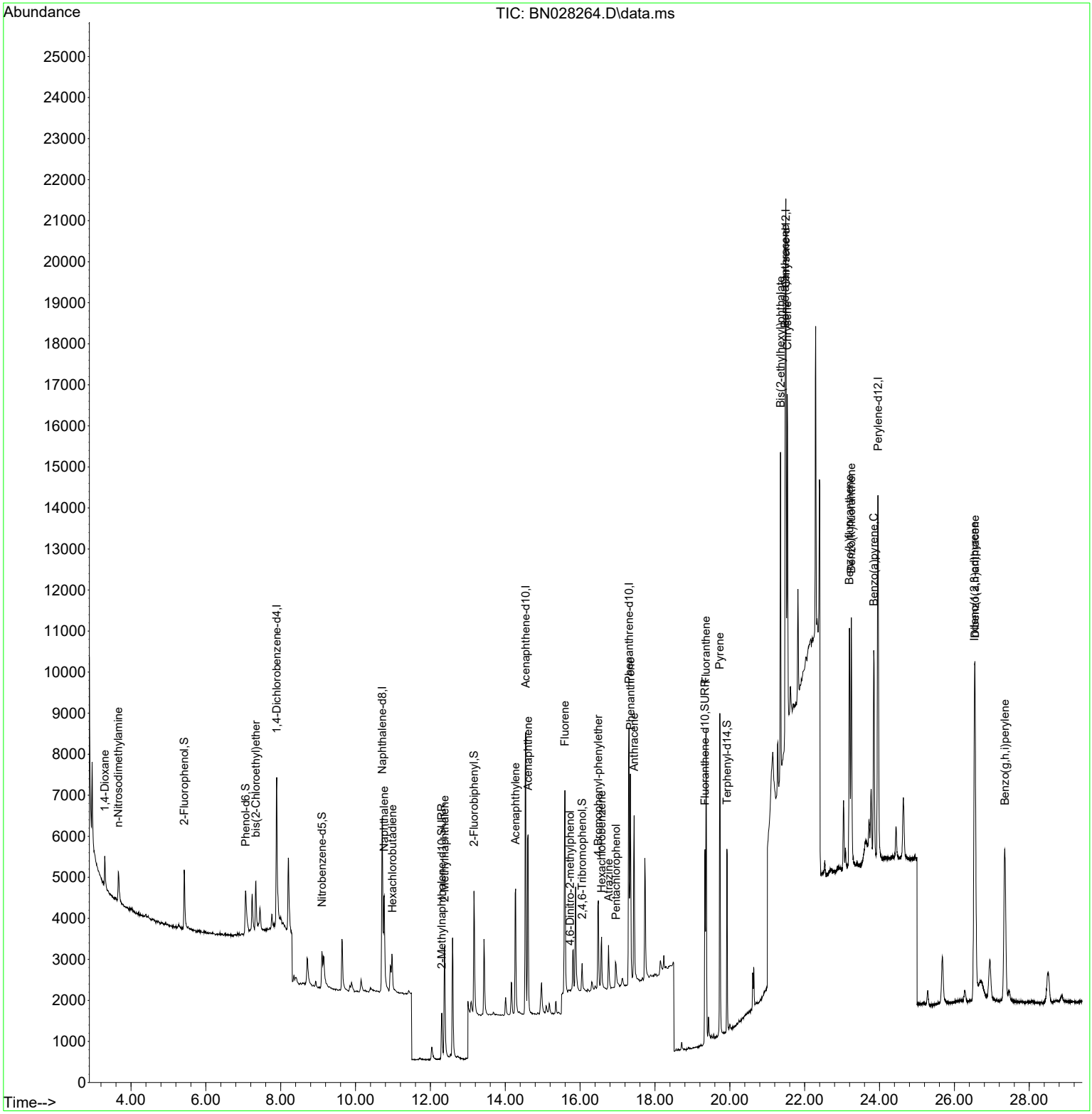
(#) = qualifier out of range (m) = manual integration (+) = signals summed

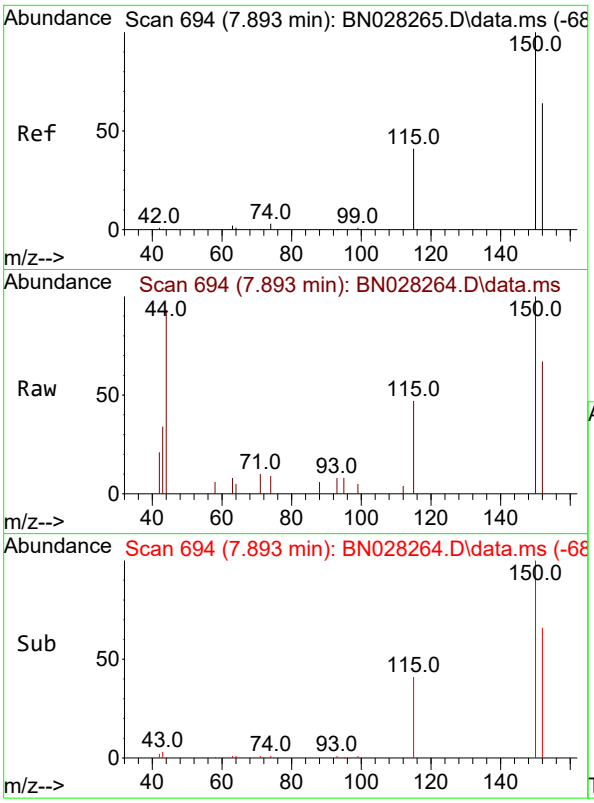
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101223\
Data File : BN028264.D
Acq On : 12 Oct 2023 17:09
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Oct 13 01:46:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 13 01:45:19 2023
Response via : Initial Calibration



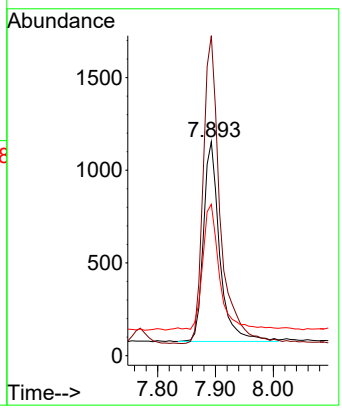


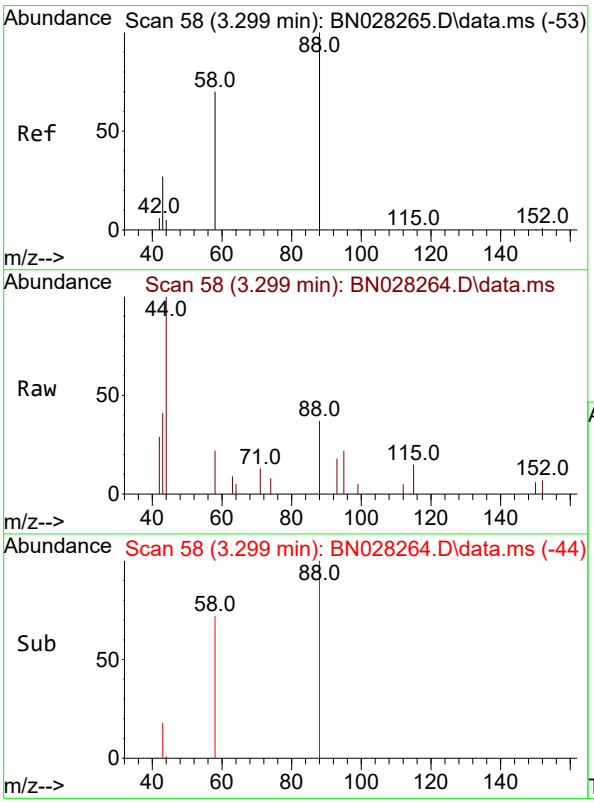
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.893 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2100

Ion	Ratio	Lower	Upper
152	100		
150	149.6	121.6	182.4
115	70.7	54.3	81.5

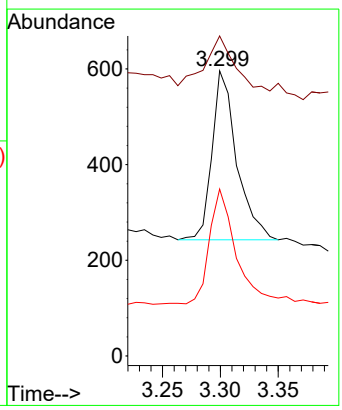


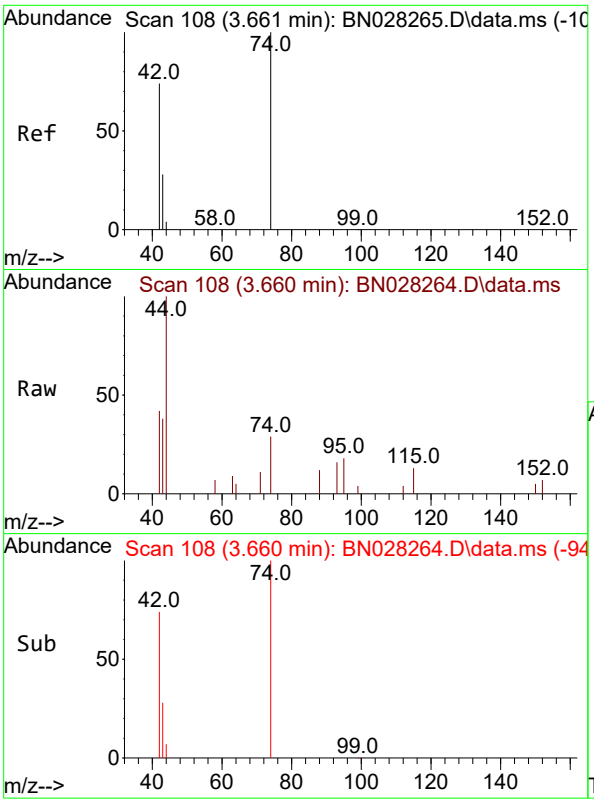


#2
1,4-Dioxane
Concen: 0.204 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion: 88 Resp: 523

Ion	Ratio	Lower	Upper
88	100		
43	44.9	26.6	39.8#
58	72.8	55.4	83.0



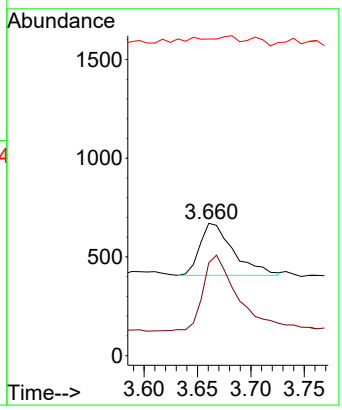


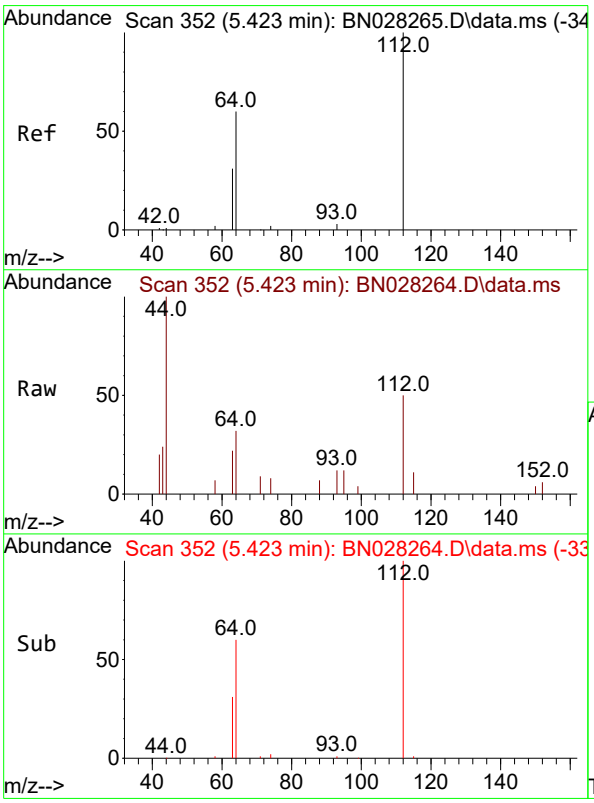
#3
n-Nitrosodimethylamine
Concen: 0.195 ng
RT: 3.660 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 574

Ion	Ratio	Lower	Upper
42	100		
74	151.2	112.6	168.8
44	0.0	7.8	11.6#

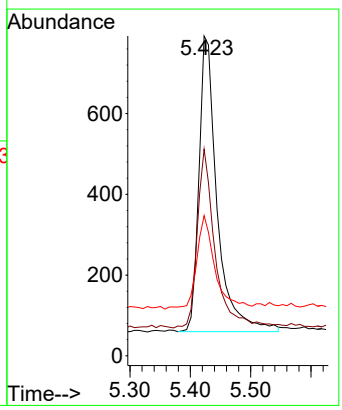


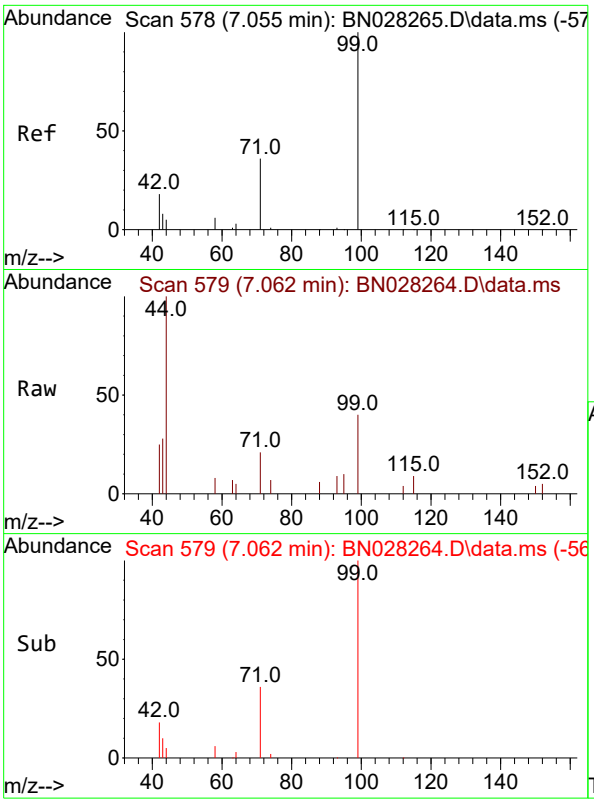


#4
2-Fluorophenol
Concen: 0.282 ng
RT: 5.423 min Scan# 352
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:112 Resp: 1534

Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.9	70.3
63	31.6	25.0	37.4



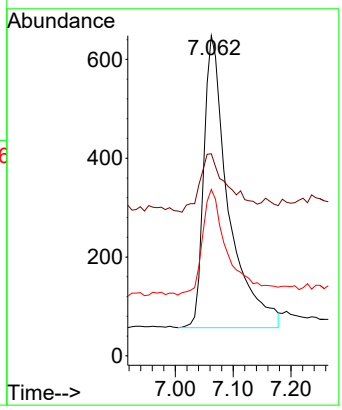


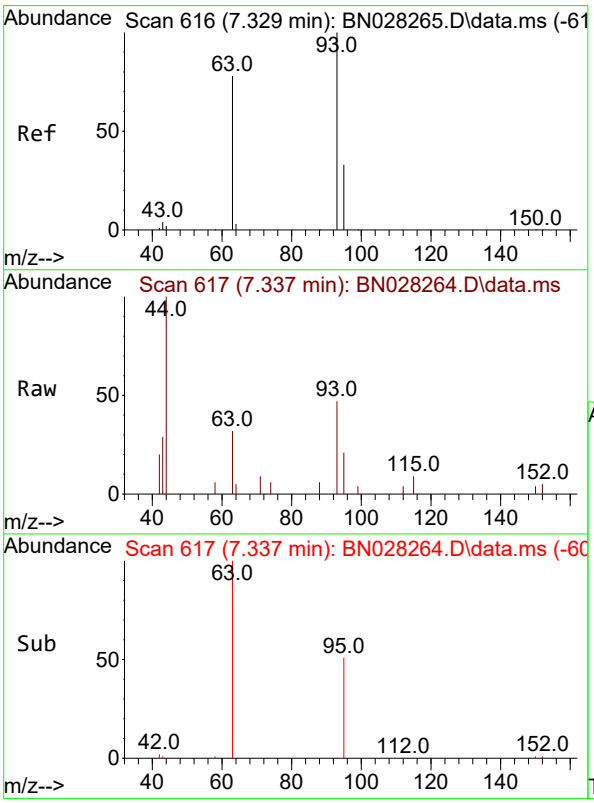
#5
Phenol-d6
Concen: 0.255 ng
RT: 7.062 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1749

Ion	Ratio	Lower	Upper
99	100		
42	22.5	15.9	23.9
71	37.6	28.6	42.8

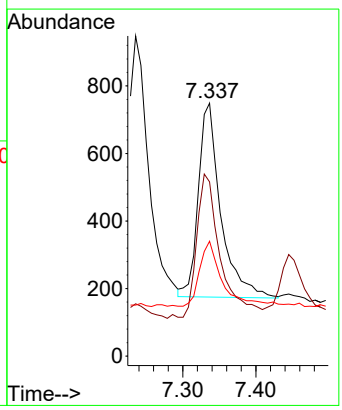


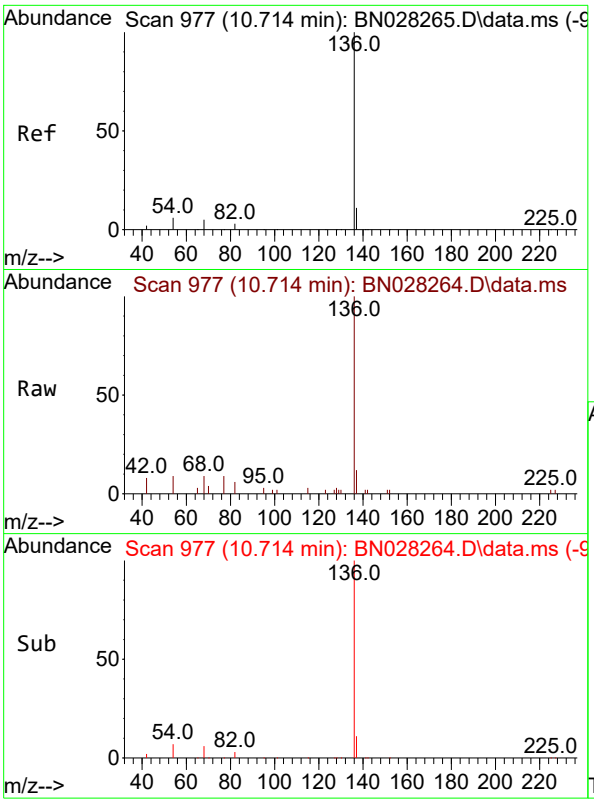


#6
bis(2-Chloroethyl)ether
Concen: 0.190 ng
RT: 7.337 min Scan# 617
Delta R.T. 0.007 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion: 93 Resp: 1224

Ion	Ratio	Lower	Upper
93	100		
63	79.6	62.6	93.8
95	33.5	27.2	40.8



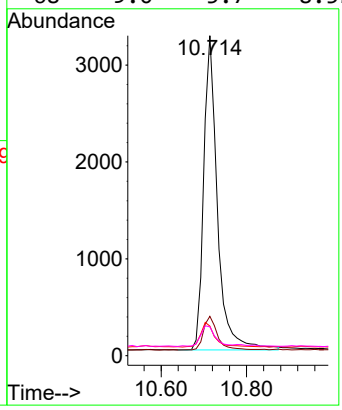


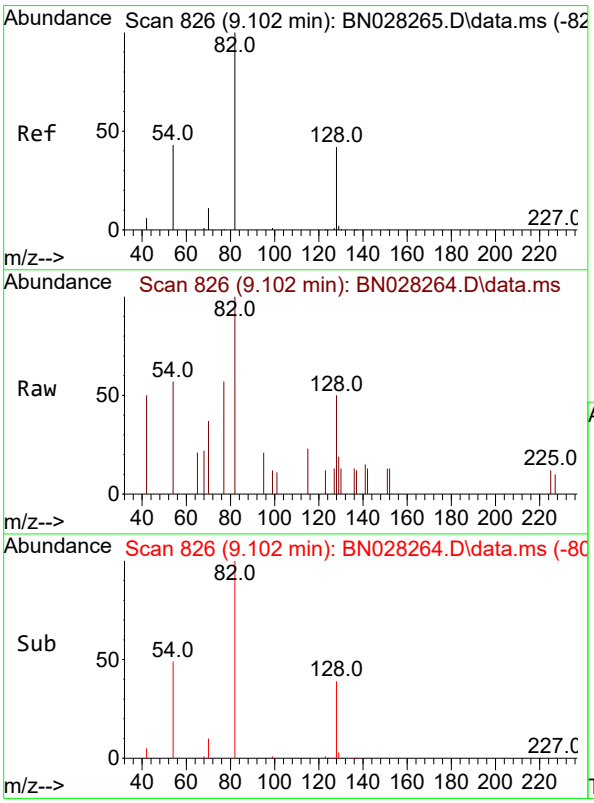
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.714 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 7239

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	9.2	6.2	9.4
68	9.0	5.7	8.5#

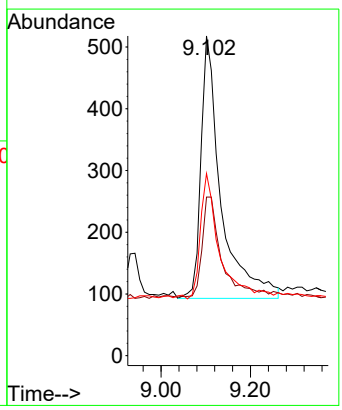


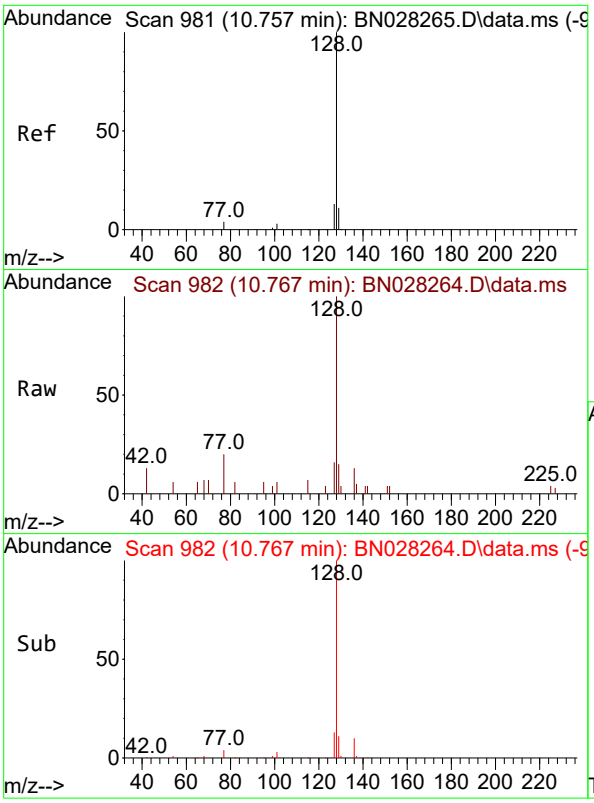


#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 9.102 min Scan# 826
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion: 82 Resp: 1320

Ion	Ratio	Lower	Upper
82	100		
128	49.6	36.8	55.2
54	56.9	37.4	56.2#



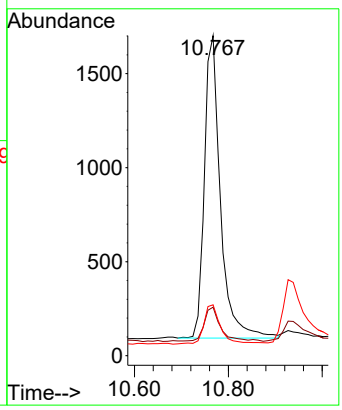


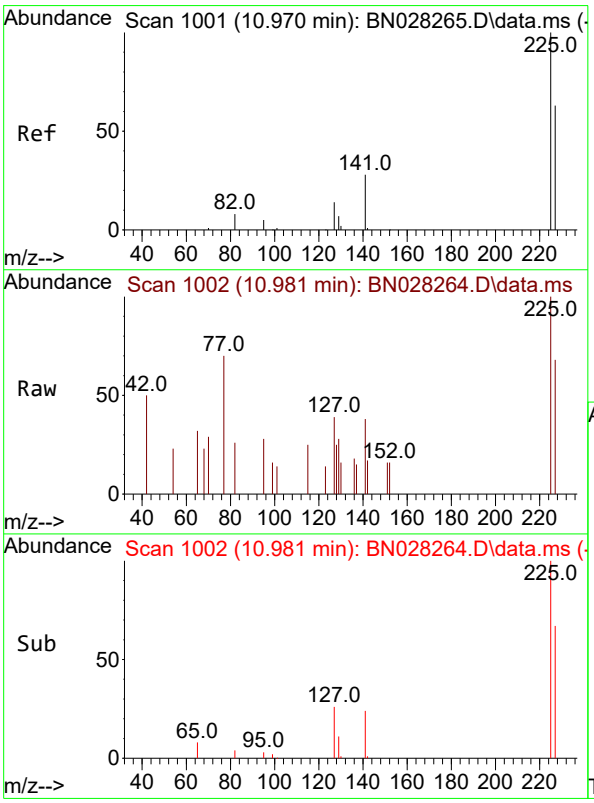
#9
Naphthalene
Concen: 0.193 ng
RT: 10.767 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 3806

Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.8	14.6#
127	15.9	11.4	17.0

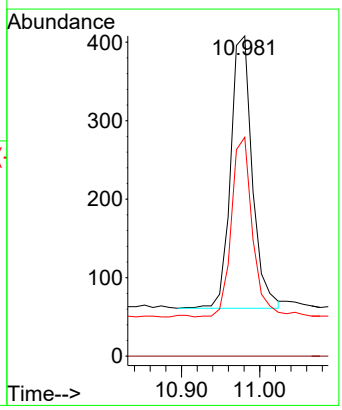


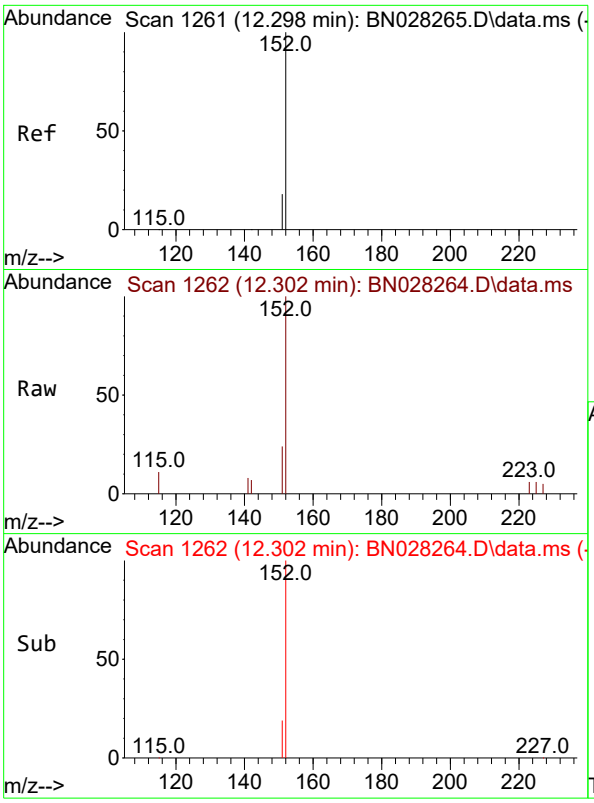


#10
Hexachlorobutadiene
Concen: 0.196 ng
RT: 10.981 min Scan# 1002
Delta R.T. 0.011 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:225 Resp: 669

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.6	77.4



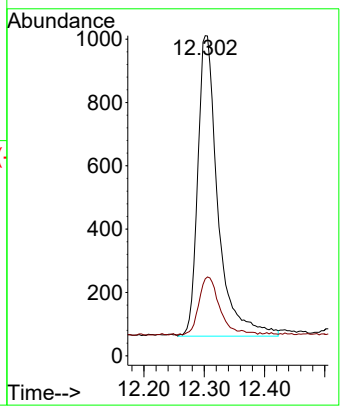


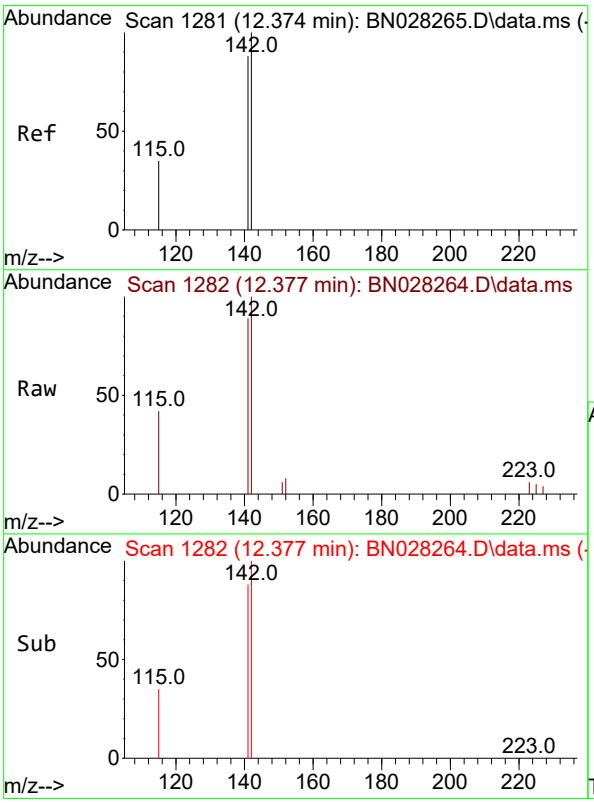
#11
2-Methylnaphthalene-d10
Concen: 0.211 ng
RT: 12.302 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2205

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1

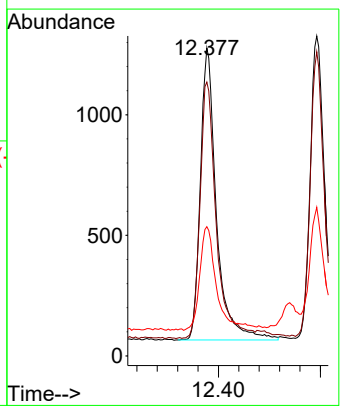


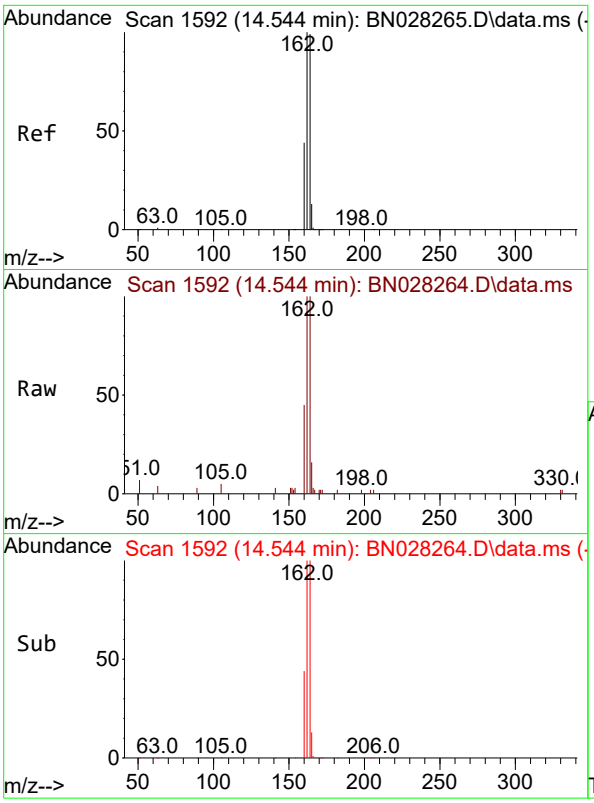


#12
2-Methylnaphthalene
Concen: 0.193 ng
RT: 12.377 min Scan# 1282
Delta R.T. 0.004 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:142 Resp: 2659

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7
115	42.0	29.9	44.9



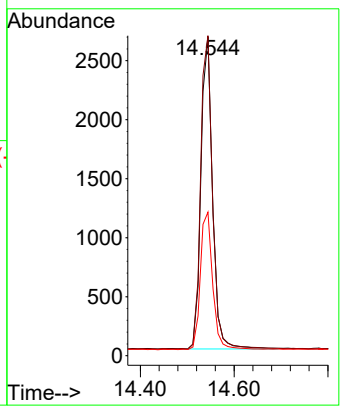


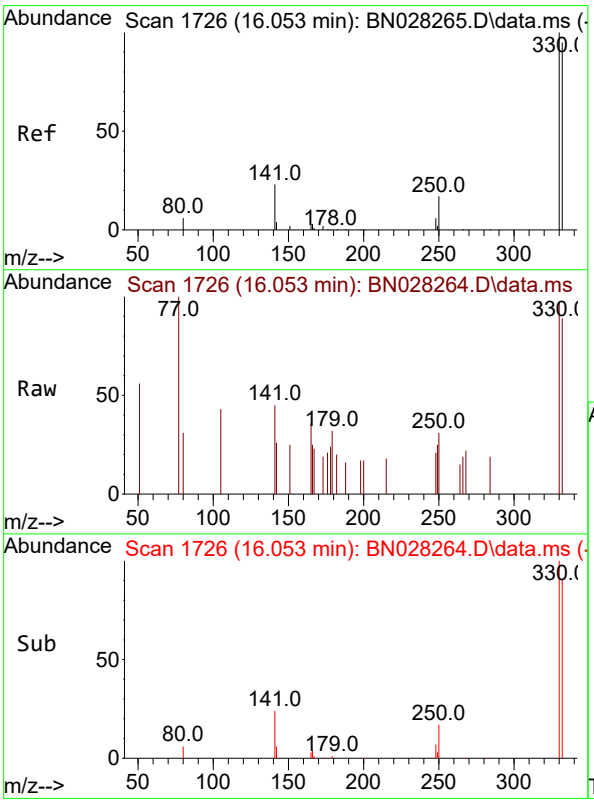
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 4545

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.1	121.7
160	45.1	36.6	54.8

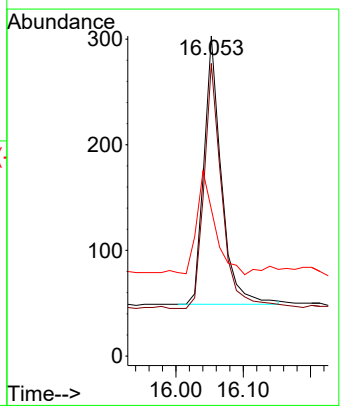


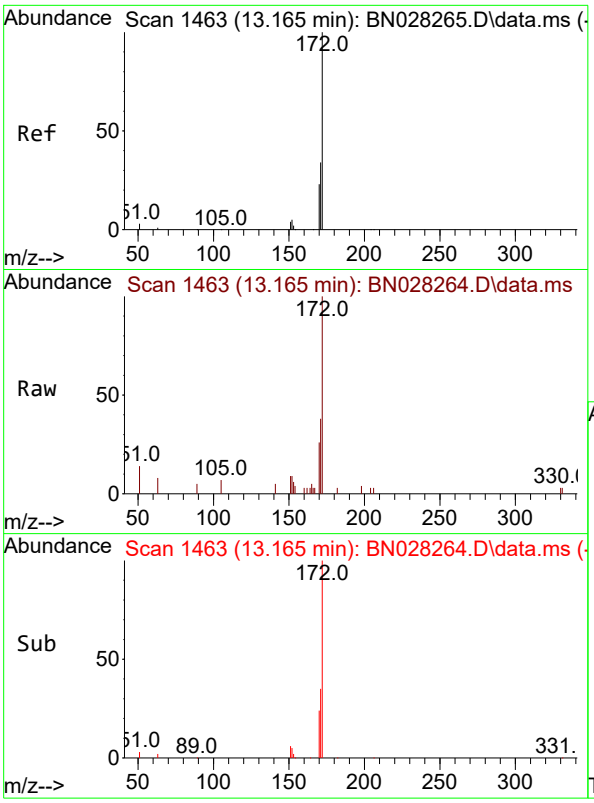


#14
2,4,6-Tribromophenol
Concen: 0.230 ng
RT: 16.053 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:330 Resp: 459

Ion	Ratio	Lower	Upper
330	100		
332	93.5	74.1	111.1
141	39.4	32.1	48.1



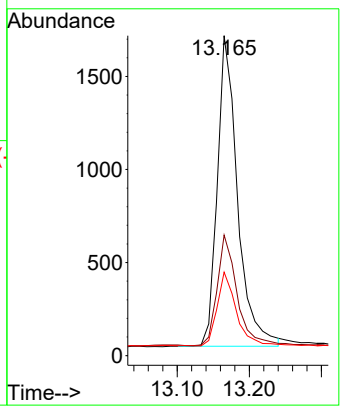


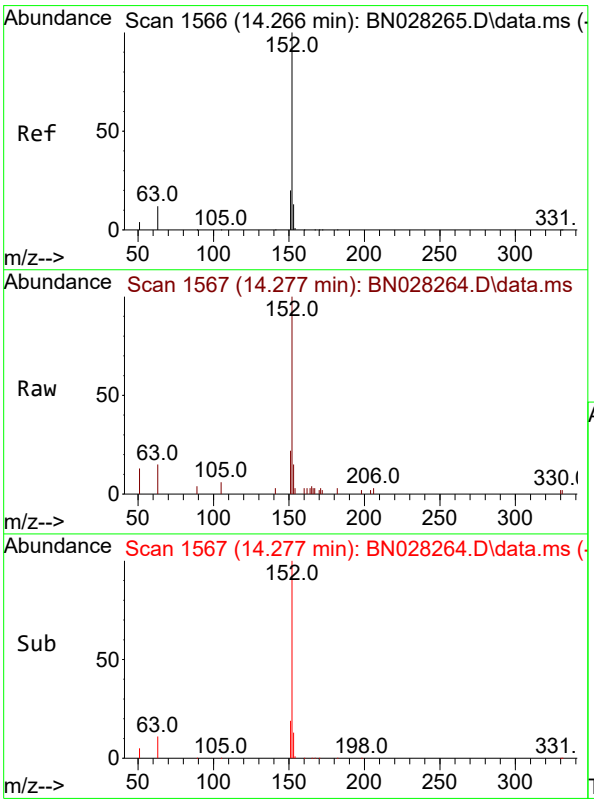
#15
2-Fluorobiphenyl
Concen: 0.211 ng
RT: 13.165 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 3246

Ion	Ratio	Lower	Upper
172	100		
171	37.7	28.3	42.5
170	26.1	18.7	28.1

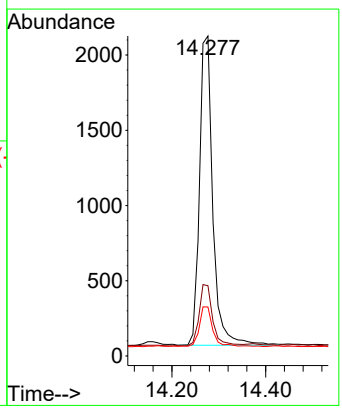


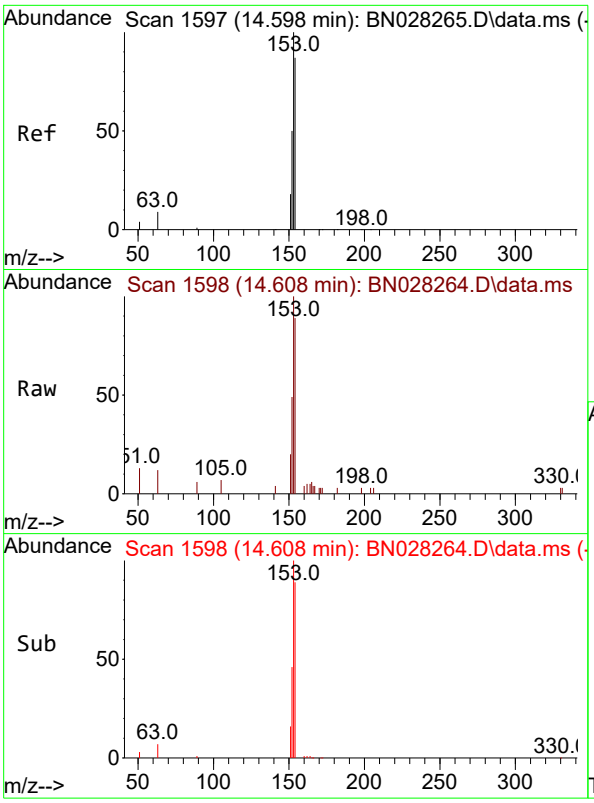


#16
Acenaphthylene
Concen: 0.207 ng
RT: 14.277 min Scan# 1567
Delta R.T. 0.011 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:152 Resp: 4054

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.6	23.4
153	12.9	10.6	16.0



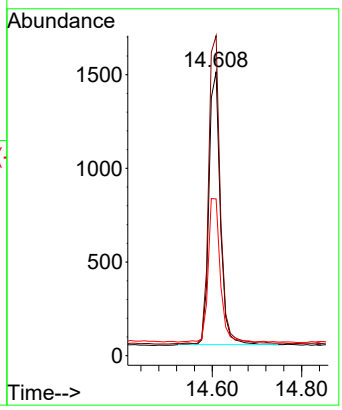


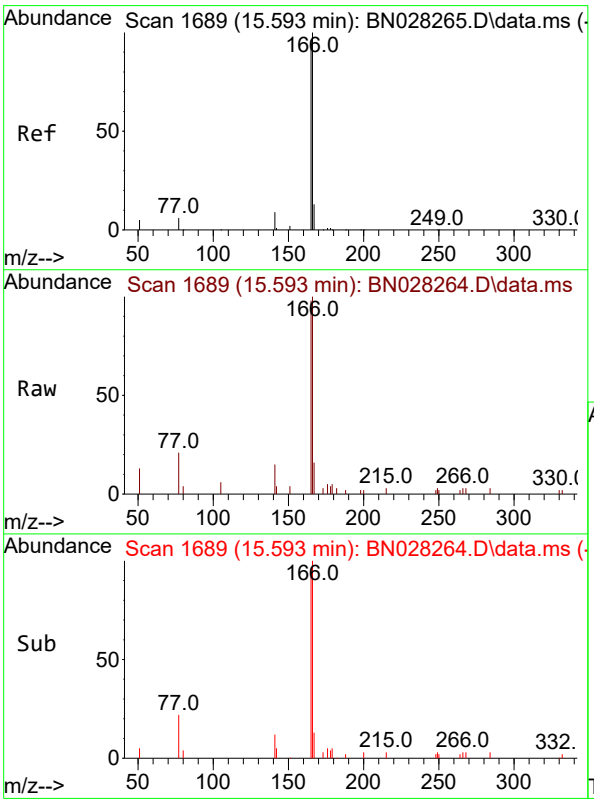
#17
Acenaphthene
Concen: 0.190 ng
RT: 14.608 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2568

Ion	Ratio	Lower	Upper
154	100		
153	115.2	90.7	136.1
152	55.1	43.6	65.4

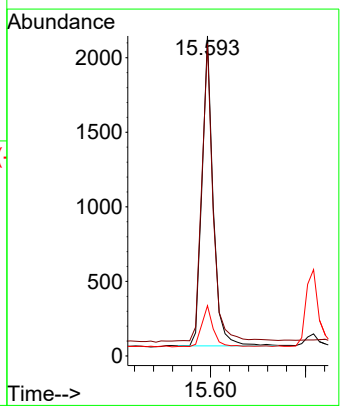


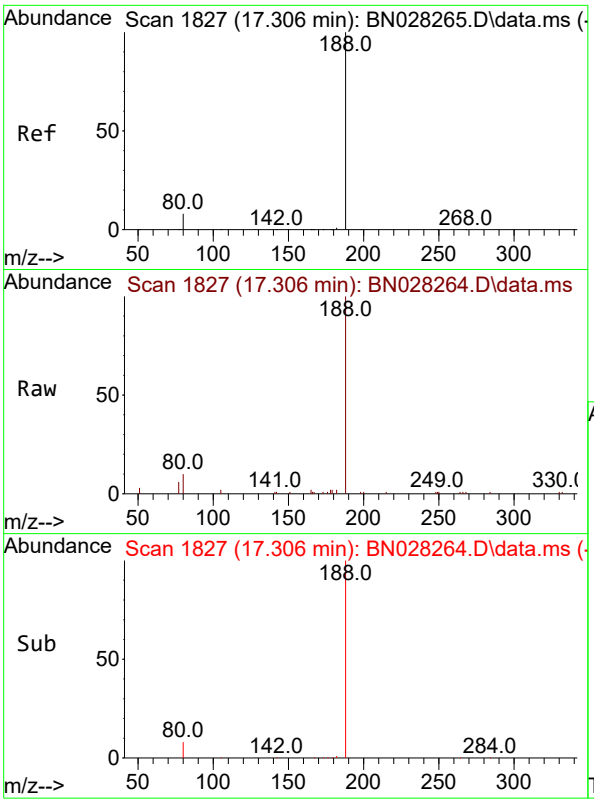


#18
Fluorene
Concen: 0.175 ng
RT: 15.593 min Scan# 1689
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:166 Resp: 3386

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.3	118.9
167	13.4	10.9	16.3



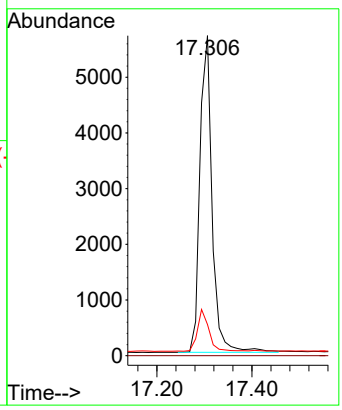


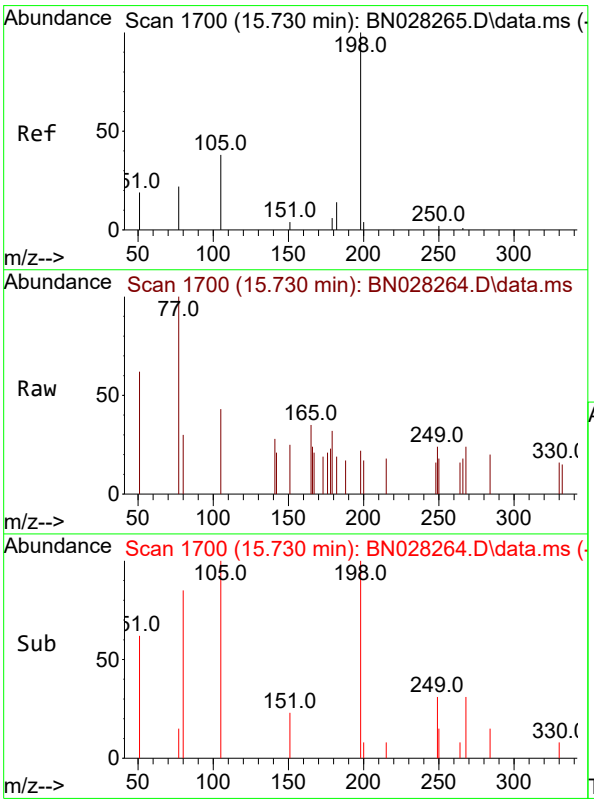
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.306 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 10153

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	7.1	10.7

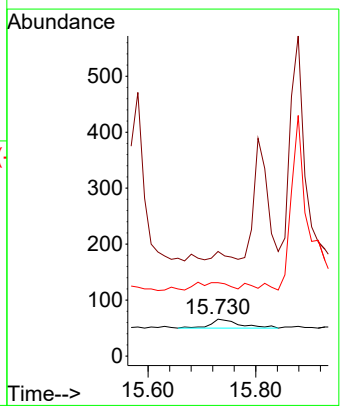


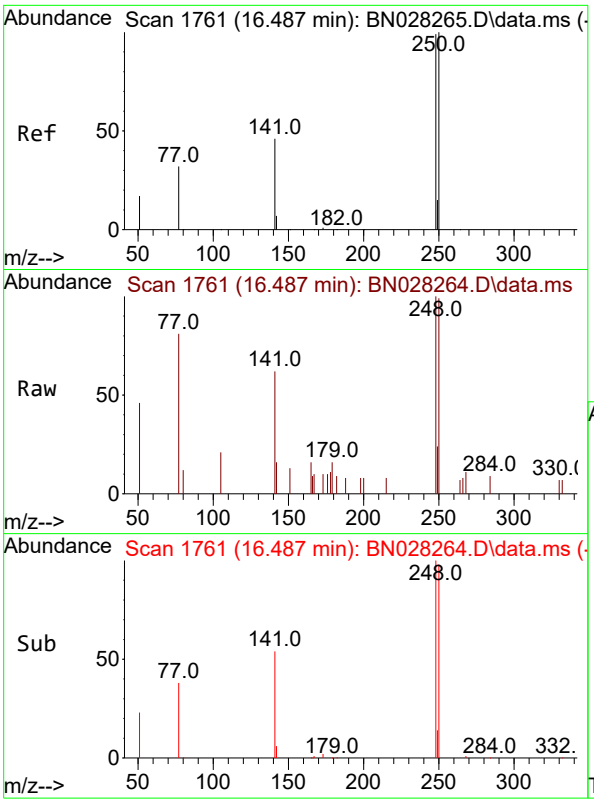


#20
4,6-Dinitro-2-methylphenol
Concen: 0.073 ng
RT: 15.730 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:198 Resp: 60

Ion	Ratio	Lower	Upper
198	100		
51	283.3	96.1	144.1#
105	198.5	75.4	113.0#



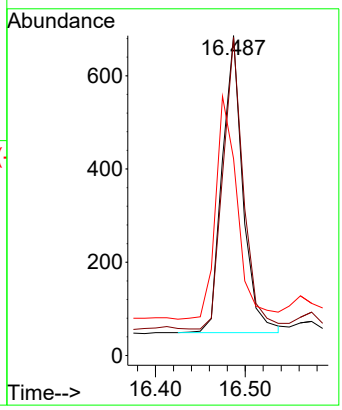


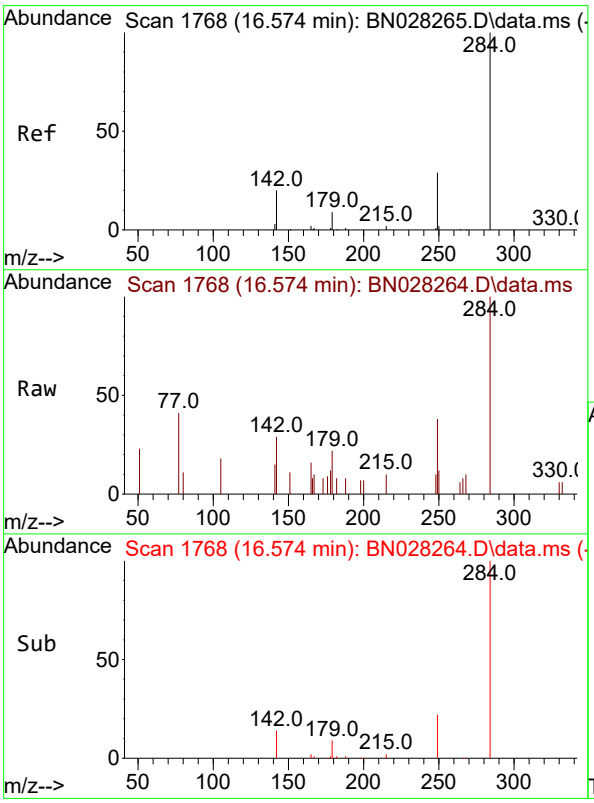
#21
4-Bromophenyl-phenylether
Concen: 0.196 ng
RT: 16.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1017

Ion	Ratio	Lower	Upper
248	100		
250	99.4	80.5	120.7
141	61.5	38.9	58.3#

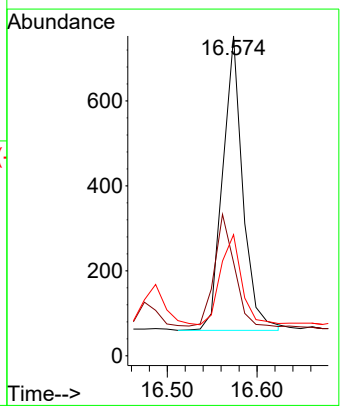


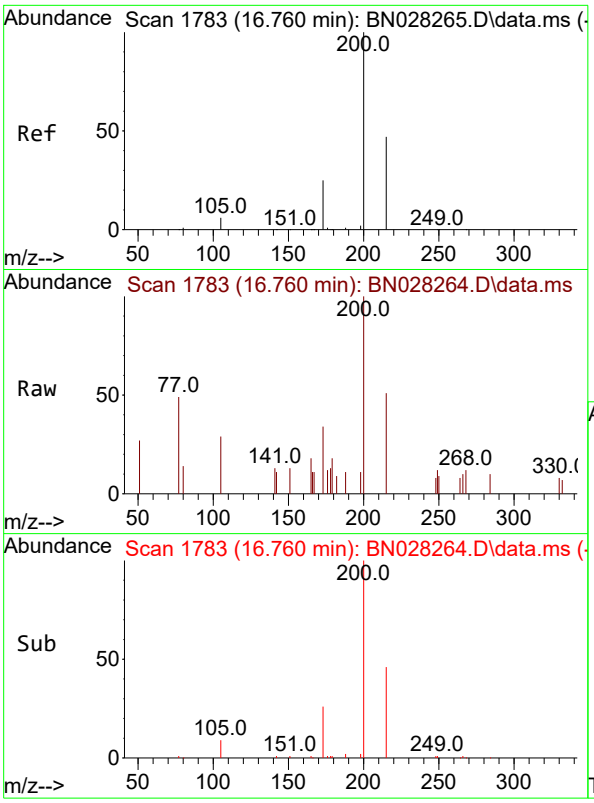


#22
Hexachlorobenzene
Concen: 0.185 ng
RT: 16.574 min Scan# 1768
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:284 Resp: 1077

Ion	Ratio	Lower	Upper
284	100		
142	37.9	32.1	48.1
249	32.6	25.5	38.3



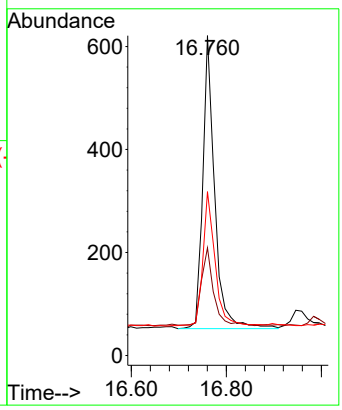


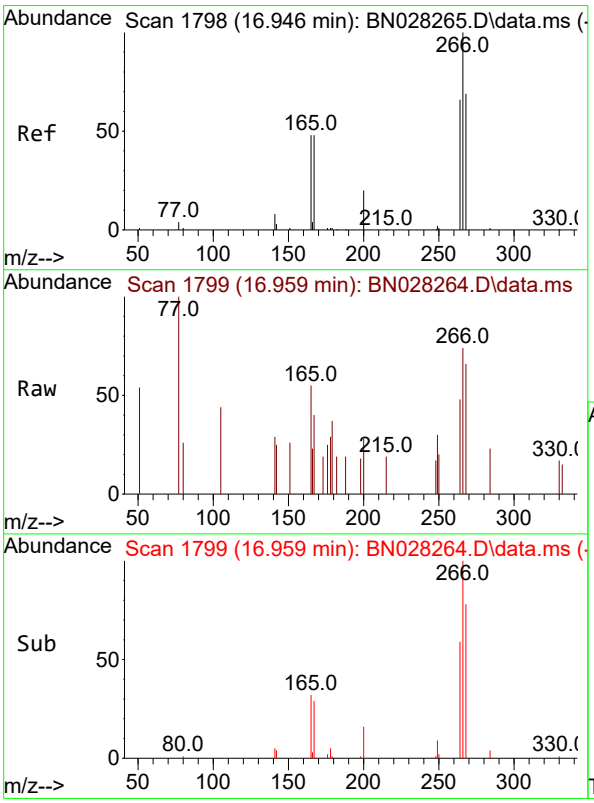
#23
Atrazine
Concen: 0.248 ng
RT: 16.760 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 994

Ion	Ratio	Lower	Upper
200	100		
173	33.7	21.6	32.4#
215	51.2	39.0	58.6

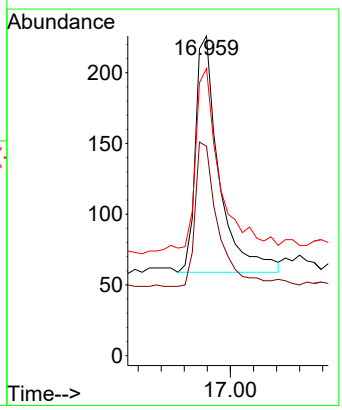


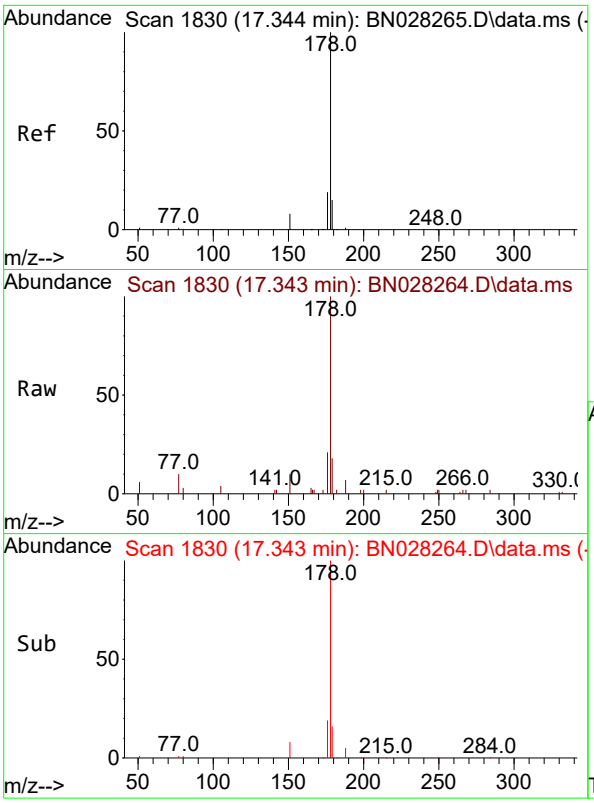


#24
Pentachlorophenol
Concen: 0.196 ng
RT: 16.959 min Scan# 1799
Delta R.T. 0.012 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:266 Resp: 474

Ion	Ratio	Lower	Upper
266	100		
264	60.5	51.5	77.3
268	80.6	56.6	84.8



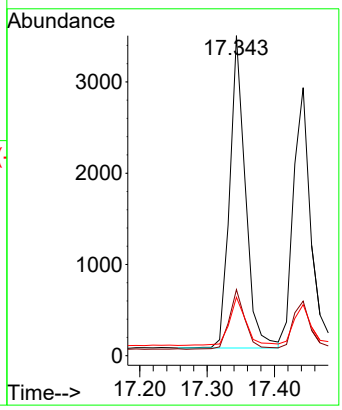


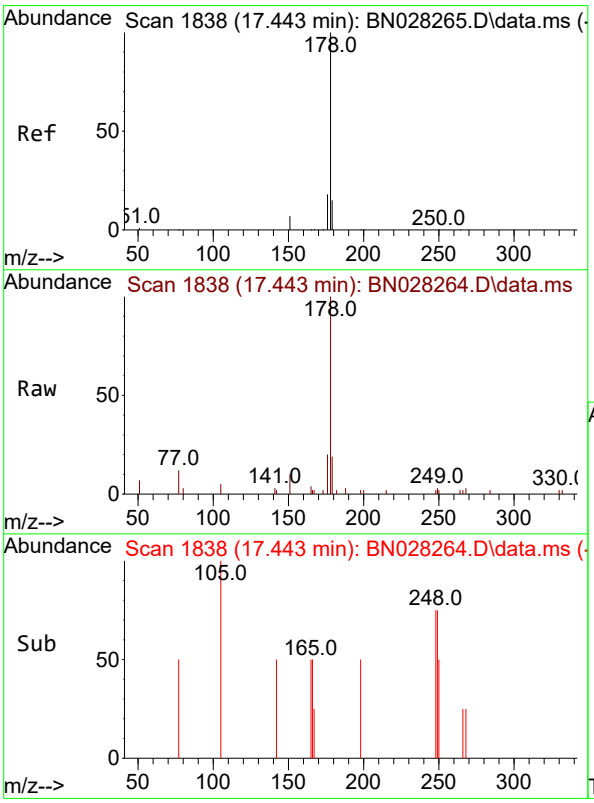
#25
Phenanthrene
Concen: 0.189 ng
RT: 17.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 5539

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.3	12.5	18.7

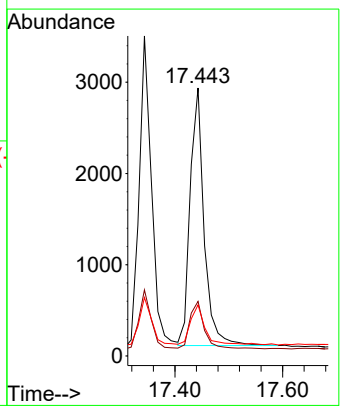


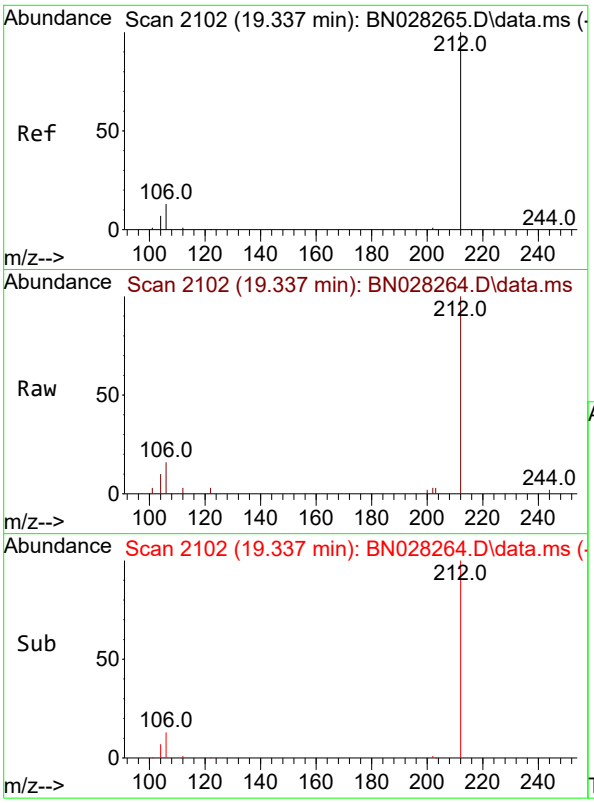


#26
Anthracene
Concen: 0.200 ng
RT: 17.443 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:178 Resp: 5095

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.8	12.2	18.4



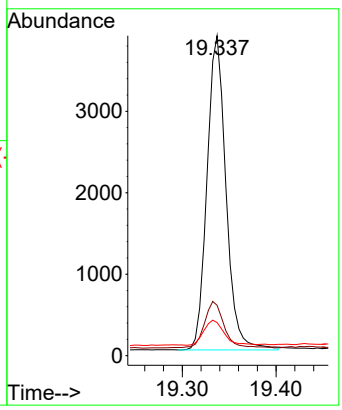


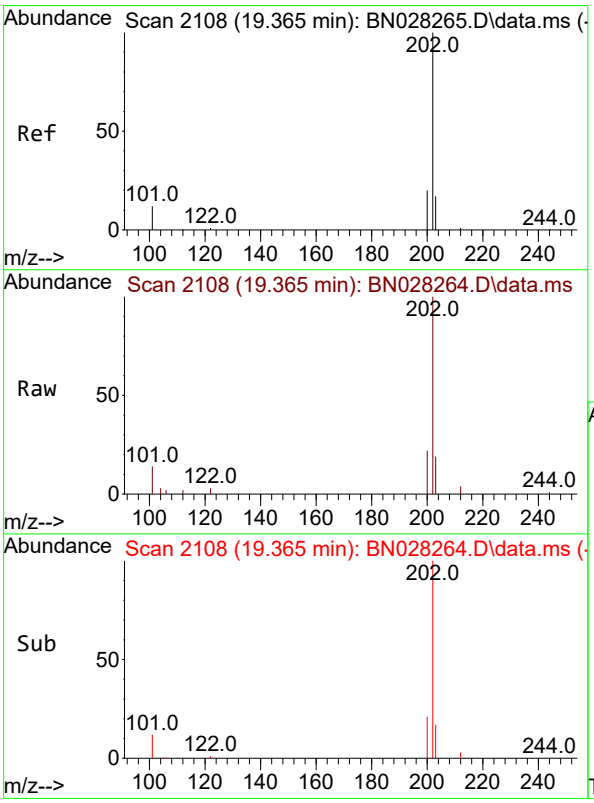
#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.337 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 5427

Ion	Ratio	Lower	Upper
212	100		
106	15.5	11.5	17.3
104	8.5	6.7	10.1

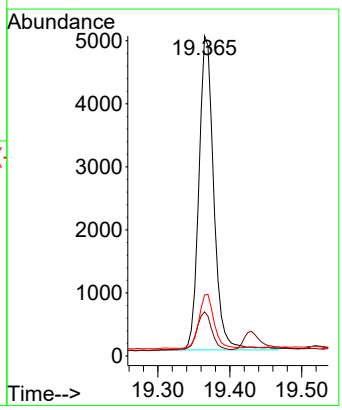


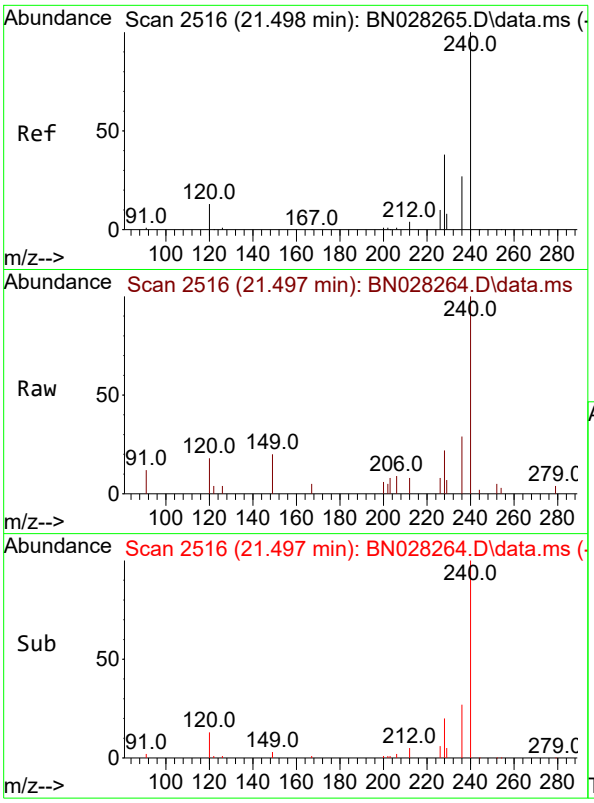


#28
Fluoranthene
Concen: 0.197 ng
RT: 19.365 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:202 Resp: 7170

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.1	15.1
203	17.2	13.9	20.9



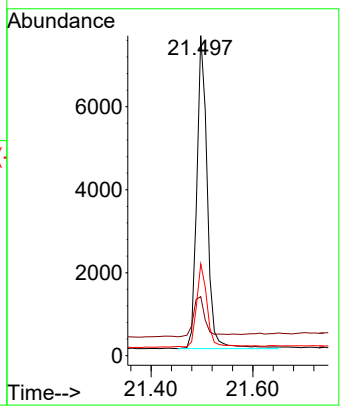


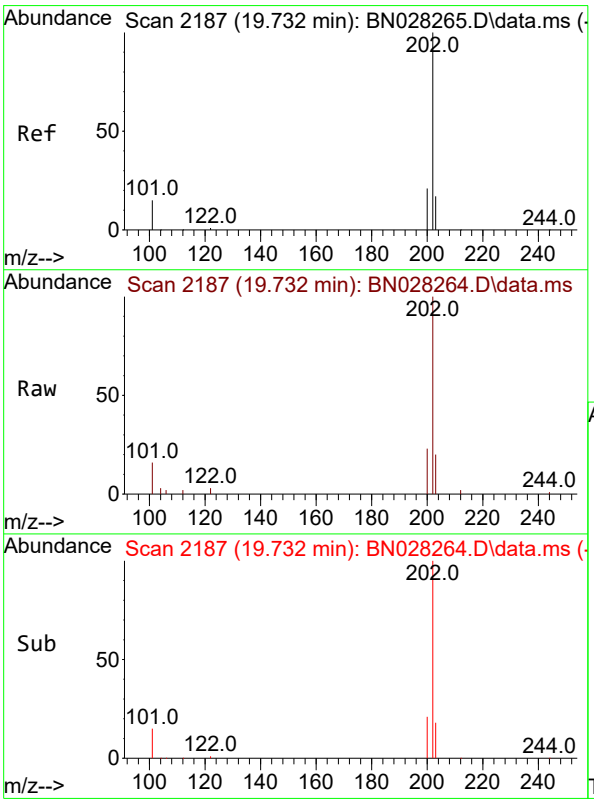
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.497 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 10798

Ion	Ratio	Lower	Upper
240	100		
120	18.4	13.4	20.0
236	28.7	22.7	34.1

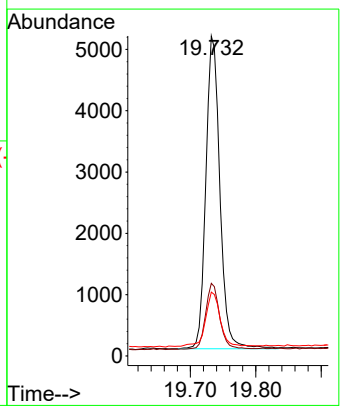


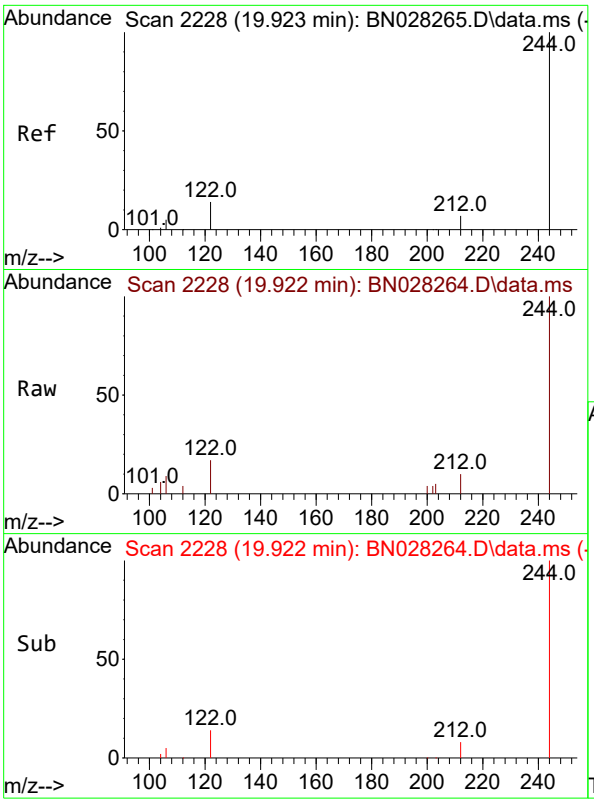


#30
Pyrene
Concen: 0.198 ng
RT: 19.732 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:202 Resp: 7607

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	17.9	14.5	21.7



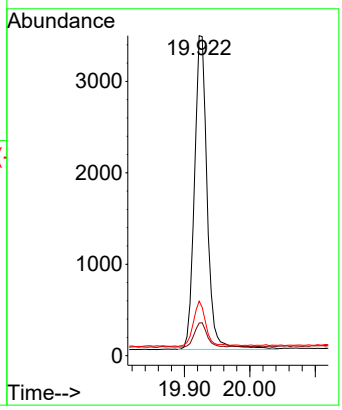


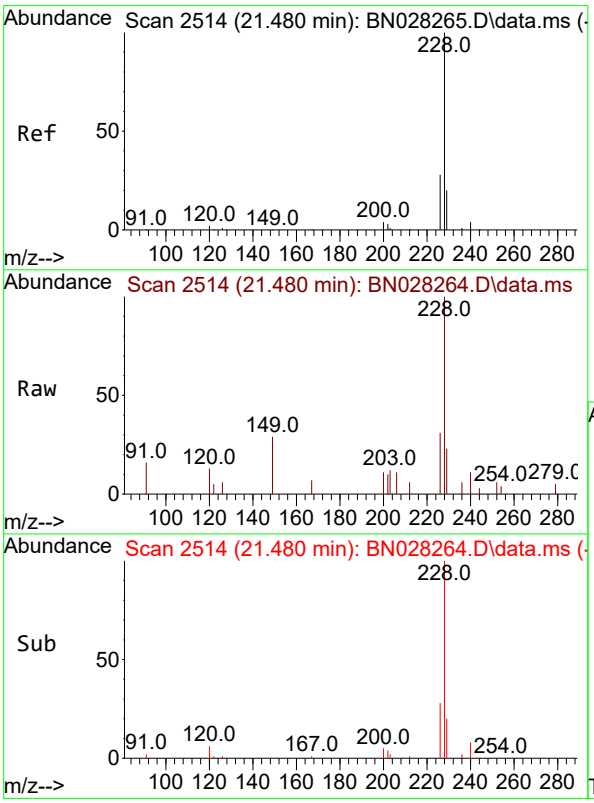
#31
Terphenyl-d14
Concen: 0.220 ng
RT: 19.922 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 4646

Ion	Ratio	Lower	Upper
244	100		
212	10.2	6.6	10.0#
122	17.1	11.7	17.5

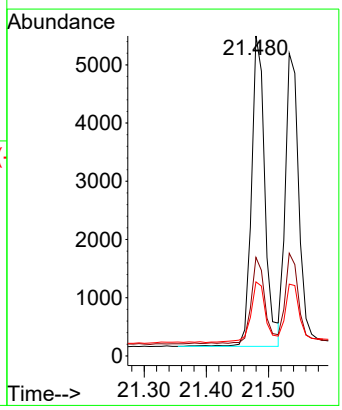


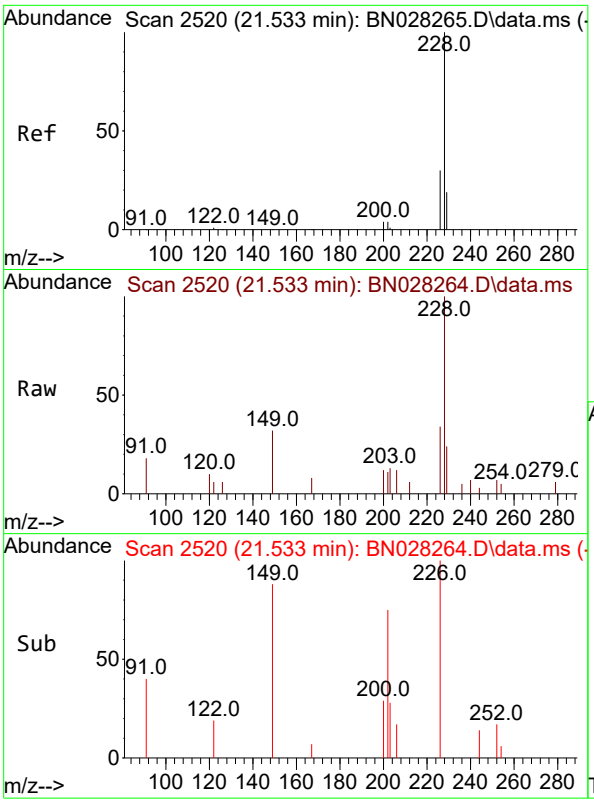


#32
Benzo(a)anthracene
Concen: 0.212 ng
RT: 21.480 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:228 Resp: 7994

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.9	34.3
229	23.1	16.6	24.8



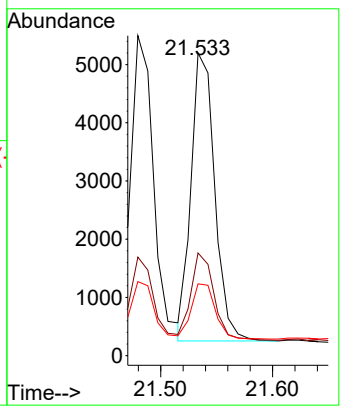


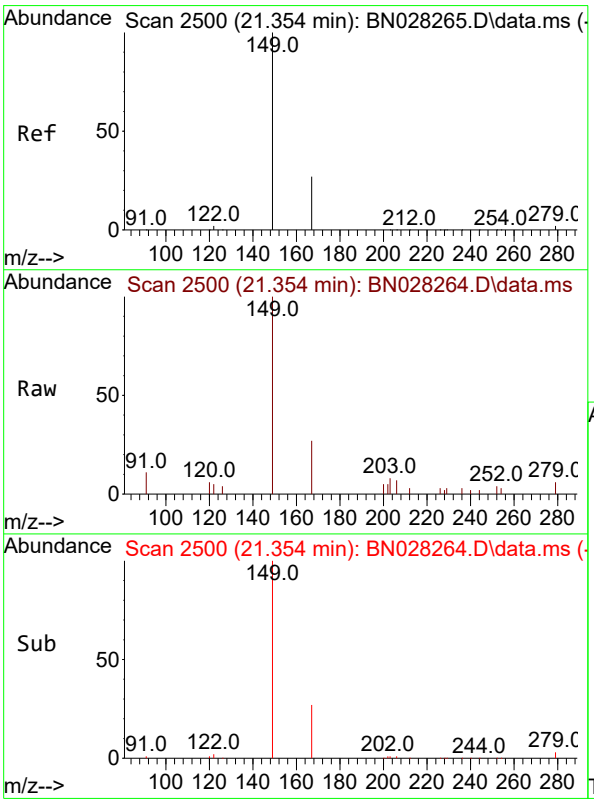
#33
Chrysene
Concen: 0.180 ng
RT: 21.533 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 7281

Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.2	37.8
229	23.7	16.6	25.0

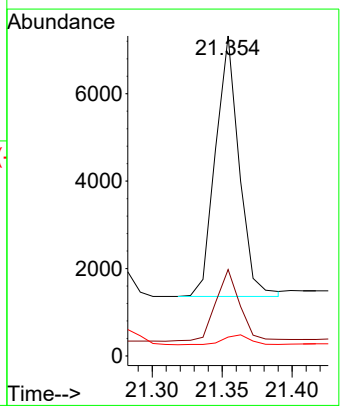


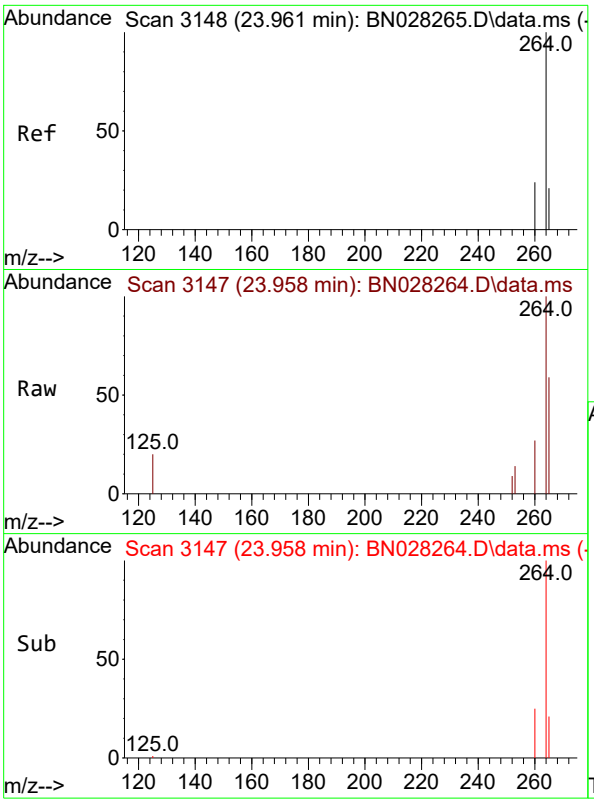


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.354 min Scan# 2500
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:149 Resp: 7017

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.6	34.0
279	4.3	4.2	6.2



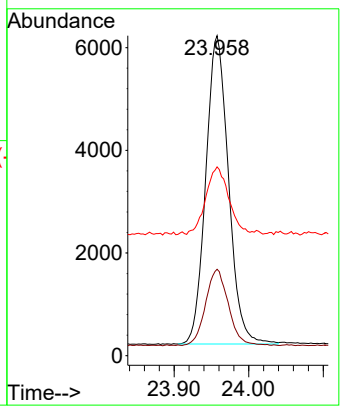


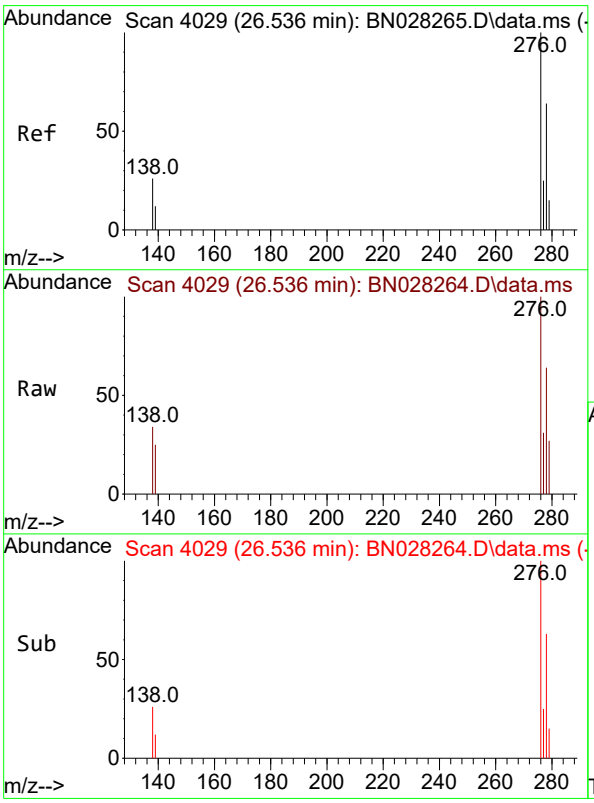
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.958 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 12724

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.7	31.1
265	59.0	38.3	57.5#

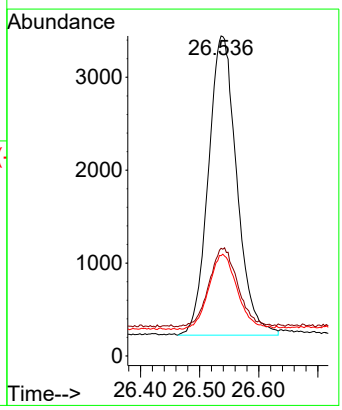


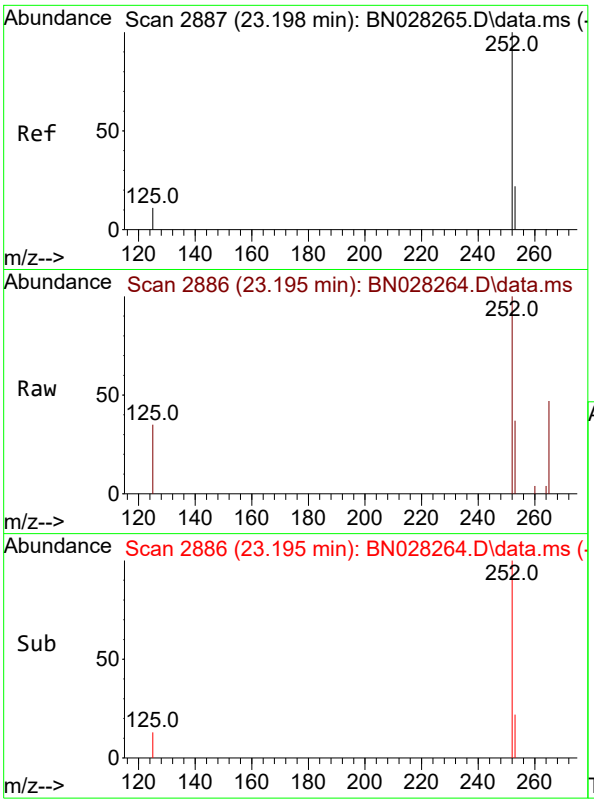


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.201 ng
RT: 26.536 min Scan# 4029
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:276 Resp: 10748

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.3	31.9
277	25.0	20.0	30.0



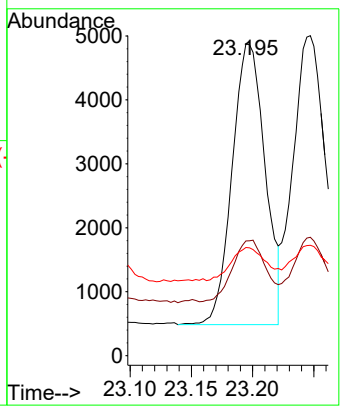


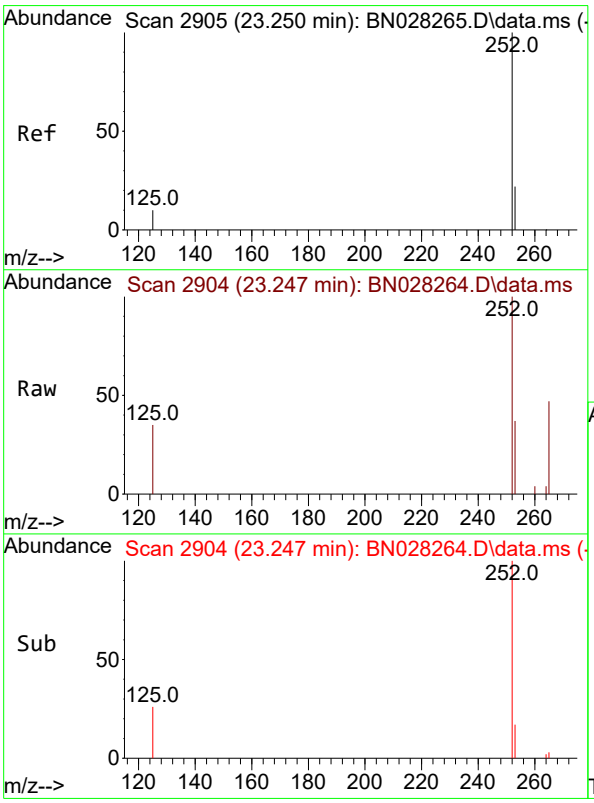
#37
Benzo(b)fluoranthene
Concen: 0.167 ng
RT: 23.195 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 8224

Ion	Ratio	Lower	Upper
252	100		
253	36.8	21.8	32.8#
125	34.7	15.6	23.4#

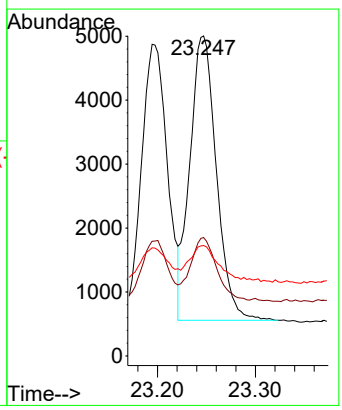


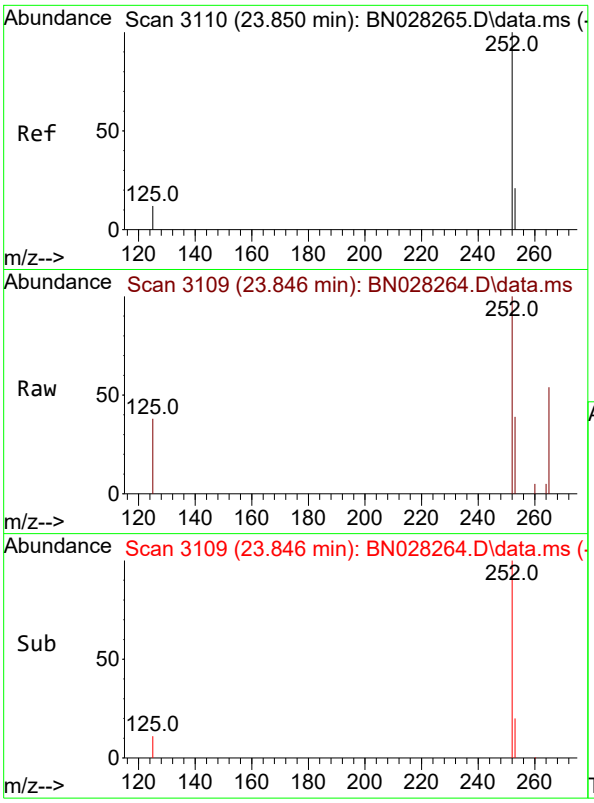


#38
Benzo(k)fluoranthene
Concen: 0.168 ng
RT: 23.247 min Scan# 2904
Delta R.T. -0.003 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:252 Resp: 8388

Ion	Ratio	Lower	Upper
252	100		
253	37.0	22.0	33.0#
125	34.5	15.3	22.9#



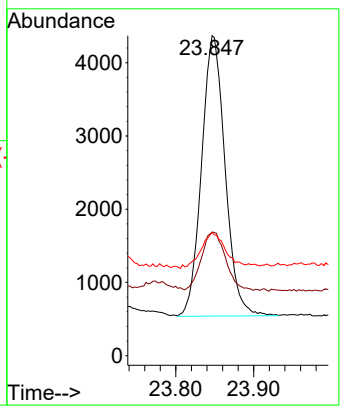


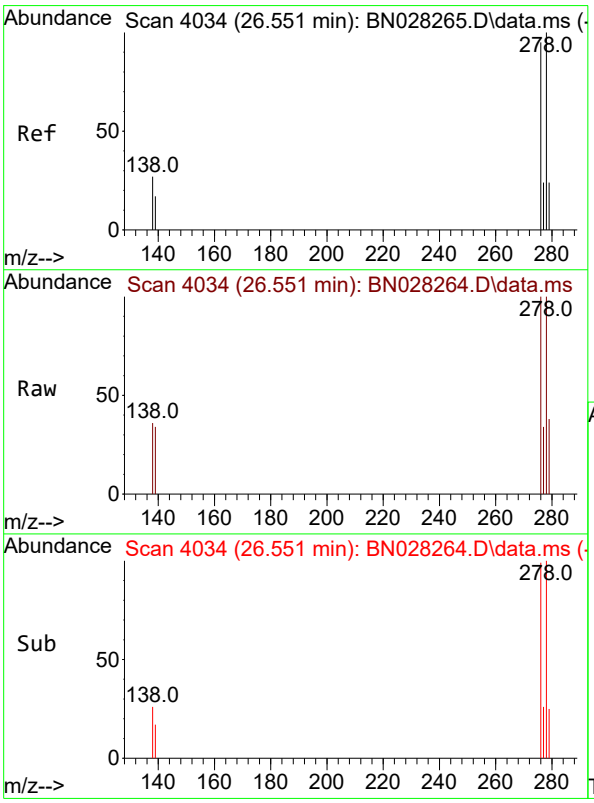
#39
Benzo(a)pyrene
Concen: 0.178 ng
RT: 23.846 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 8035

Ion	Ratio	Lower	Upper
252	100		
253	38.7	22.7	34.1#
125	38.5	17.0	25.6#

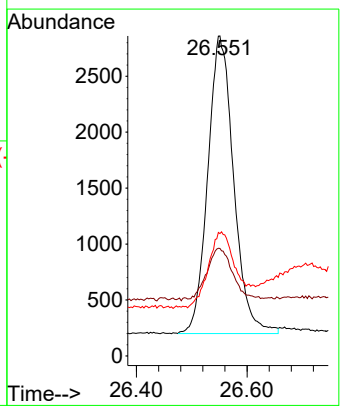


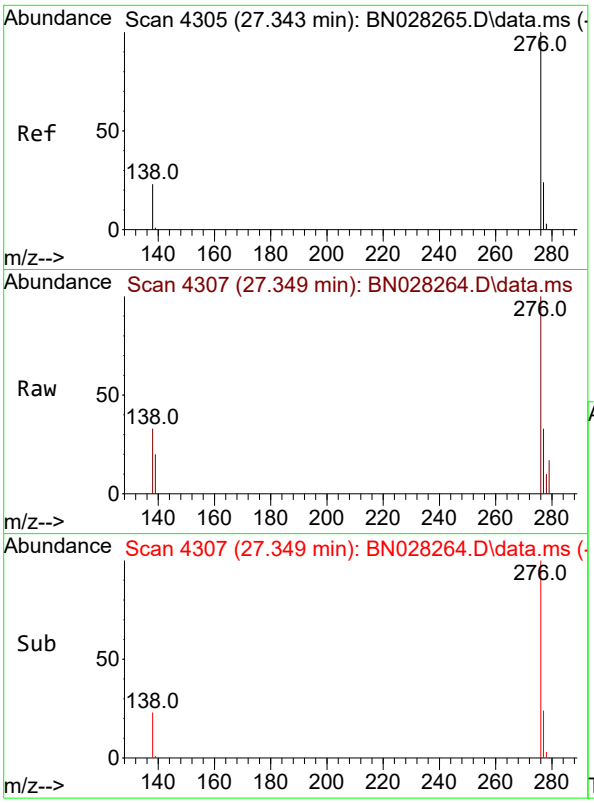


#40
Dibenzo(a,h)anthracene
Concen: 0.198 ng
RT: 26.551 min Scan# 4034
Delta R.T. -0.000 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Tgt Ion:278 Resp: 8650

Ion	Ratio	Lower	Upper
278	100		
139	33.6	18.8	28.2#
279	38.3	23.5	35.3#





#41
Benzo(g,h,i)perylene
Concen: 0.188 ng
RT: 27.349 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN028264.D
Acq: 12 Oct 2023 17:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 8965

Ion	Ratio	Lower	Upper
276	100		
277	32.8	21.7	32.5#
138	33.1	21.7	32.5#