Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030724\
Data File : BN030326.D
Acq On : 07 Mar 2024 14:55
Operator : MA/JU
Sample : PB159312BSD
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Quant Time: Mar 07 15:24:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN030524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 05 17:44:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	2527	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	6750	0.400	ng	#-0.01
13) Acenaphthene-d10	14.458	164	3325	0.400	ng	0.00
19) Phenanthrene-d10	17.218	188	6064	0.400	ng	# 0.00
29) Chrysene-d12	21.438	240	4102	0.400	ng	0.00
35) Perylene-d12	23.797	264	4808	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2447	0.369	ng	0.00
5) Phenol-d6	6.973	99	2613	0.374	ng	0.00
8) Nitrobenzene-d5	8.971	82	1878	0.305	ng	0.00
11) 2-Methylnaphthalene-d10	12.193	152	4456	0.455	ng	-0.01
14) 2,4,6-Tribromophenol	15.964	330	528	0.309	ng	0.00
15) 2-Fluorobiphenyl	13.078	172	4907	0.355	ng	-0.01
27) Fluoranthene-d10	19.262	212	4592	0.276	ng	0.00
31) Terphenyl-d14	19.875	244	3593	0.338	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.319	88	979	0.299	ng	# 44
3) n-Nitrosodimethylamine	3.651	42	941	0.272	ng	# 93
6) bis(2-Chloroethyl)ether	7.248	93	1785	0.323	ng	98
9) Naphthalene	10.648	128	5967	0.317	ng	98
10) Hexachlorobutadiene	10.925	225	1382	0.321	ng	# 100
12) 2-Methylnaphthalene	12.272	142	3637	0.313	ng	97
16) Acenaphthylene	14.169	152	5298	0.330	ng	99
17) Acenaphthene	14.511	154	3262	0.315	ng	99
18) Fluorene	15.505	166	3667	0.294	ng	98
20) 4,6-Dinitro-2-methylph...	15.617	198	301	0.239	ng	93
21) 4-Bromophenyl-phenylether	16.411	248	1206	0.325	ng	# 82
22) Hexachlorobenzene	16.511	284	1428	0.333	ng	99
23) Atrazine	16.697	200	1011	0.308	ng	# 92
24) Pentachlorophenol	16.871	266	526	0.236	ng	96
25) Phenanthrene	17.255	178	5666	0.327	ng	97
26) Anthracene	17.355	178	4943	0.310	ng	100
28) Fluoranthene	19.289	202	5613	0.266	ng	99
30) Pyrene	19.656	202	5878	0.341	ng	100
32) Benzo(a)anthracene	21.420	228	4555	0.317	ng	98
33) Chrysene	21.474	228	4732	0.304	ng	99
34) Bis(2-ethylhexyl)phtha...	21.376	149	3335	0.291	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.212	276	6658	0.331	ng	98
37) Benzo(b)fluoranthene	23.084	252	4803	0.286	ng	99
38) Benzo(k)fluoranthene	23.131	252	5067	0.297	ng	97
39) Benzo(a)pyrene	23.692	252	4559	0.307	ng	99
40) Dibenzo(a,h)anthracene	26.253	278	5138	0.325	ng	100
41) Benzo(g,h,i)perylene	26.955	276	5960	0.326	ng	99

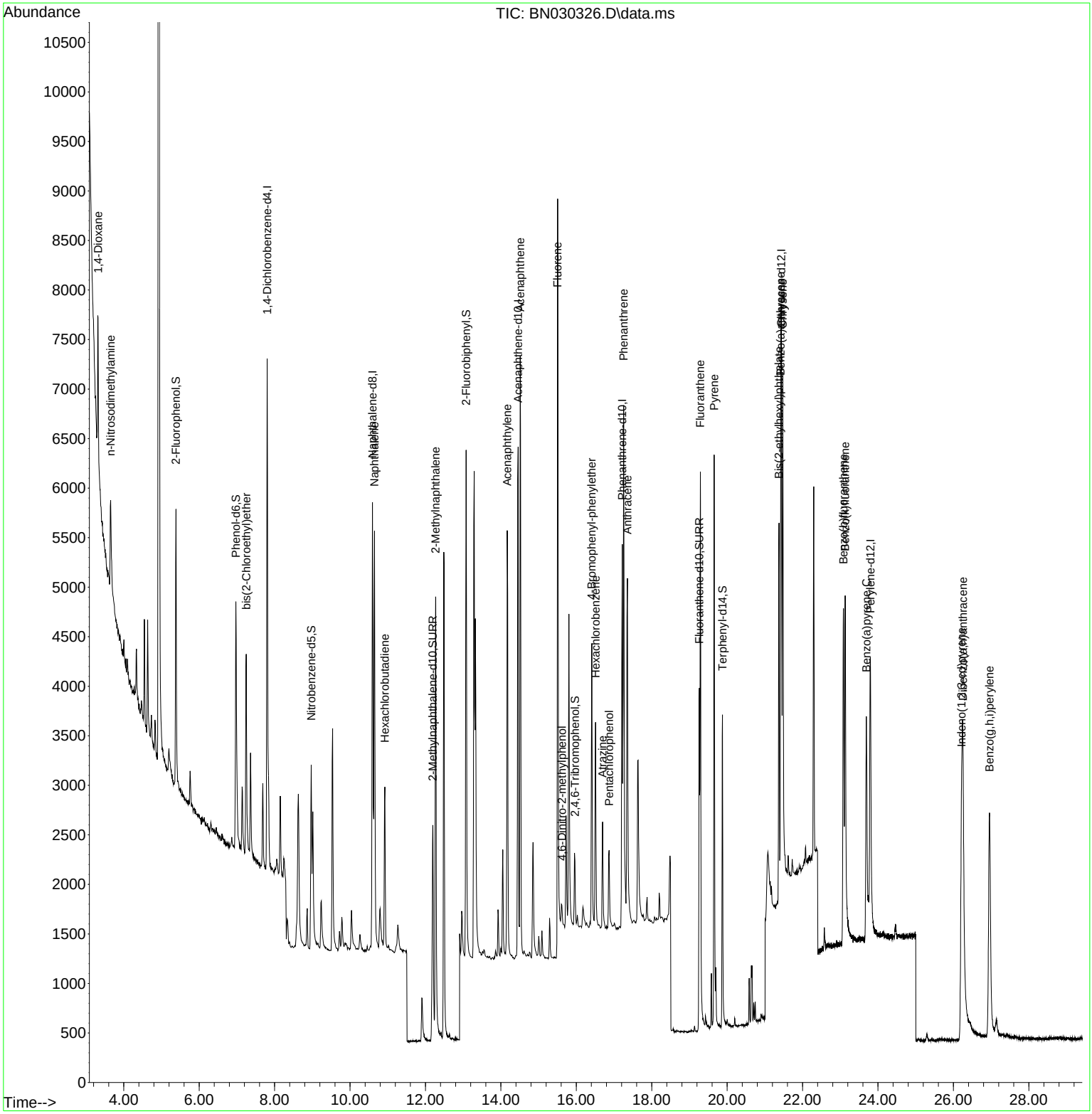
(#) = qualifier out of range (m) = manual integration (+) = signals summed

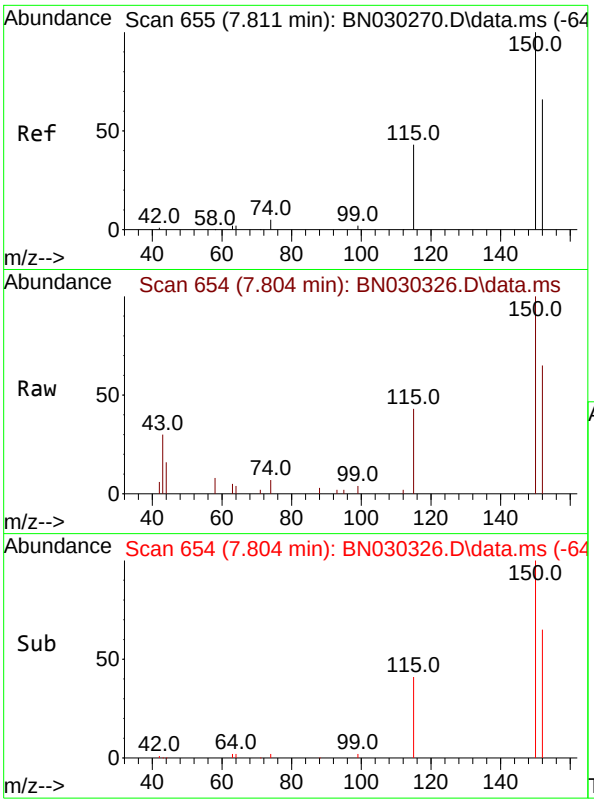
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030724\
Data File : BN030326.D
Acq On : 07 Mar 2024 14:55
Operator : MA/JU
Sample : PB159312BSD
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Quant Time: Mar 07 15:24:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN030524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 05 17:44:16 2024
Response via : Initial Calibration



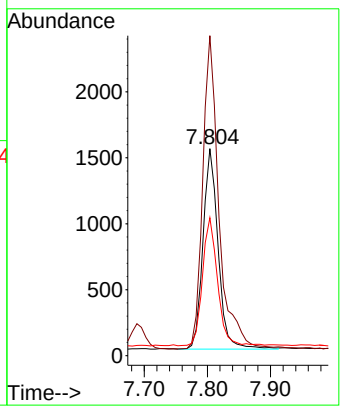


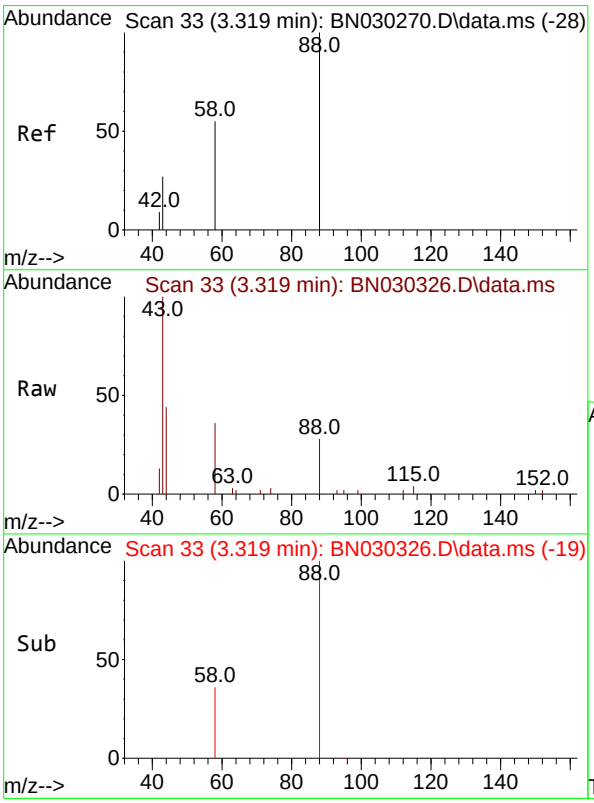
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:152 Resp: 2527

Ion	Ratio	Lower	Upper
152	100		
150	154.6	119.4	179.0
115	66.6	56.9	85.3

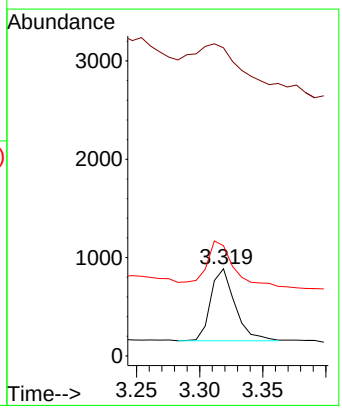


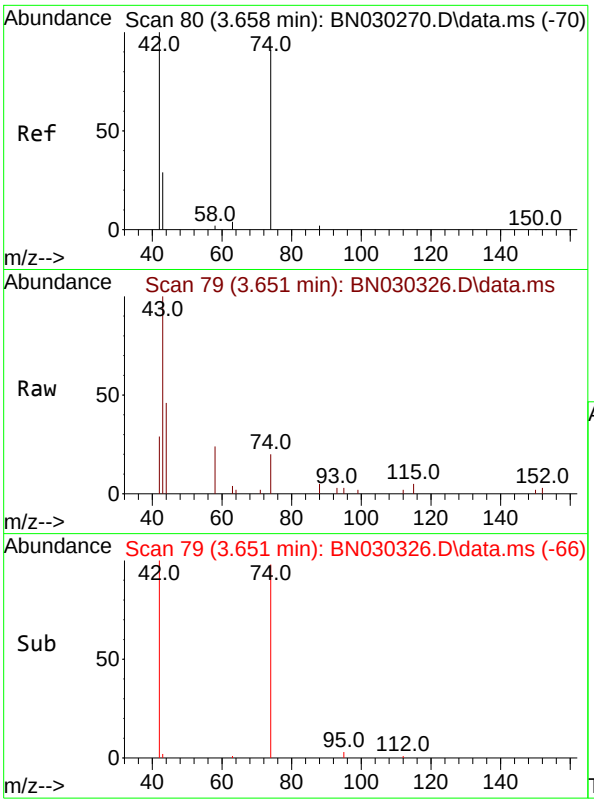


#2
1,4-Dioxane
Concen: 0.299 ng
RT: 3.319 min Scan# 33
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion: 88 Resp: 979

Ion	Ratio	Lower	Upper
88	100		
43	99.7	23.8	35.8#
58	71.6	46.2	69.4#



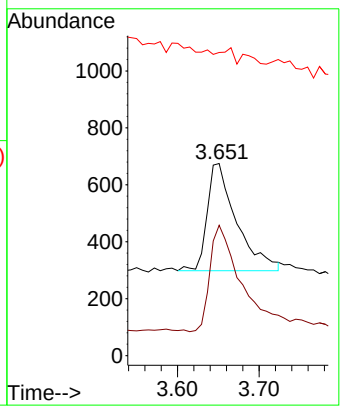


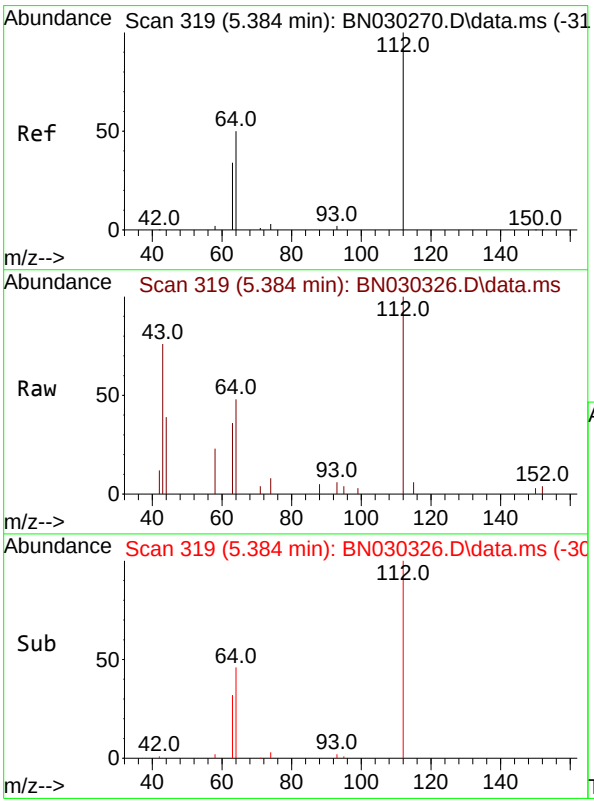
#3
n-Nitrosodimethylamine
Concen: 0.272 ng
RT: 3.651 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion: 42 Resp: 941

Ion	Ratio	Lower	Upper
42	100		
74	106.2	79.4	119.0
44	0.0	0.0	0.0

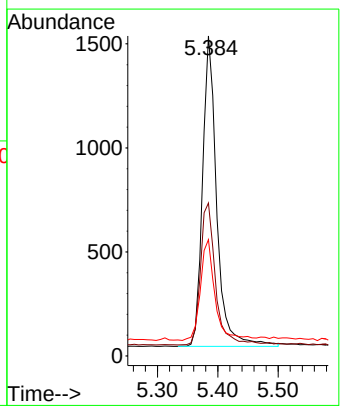


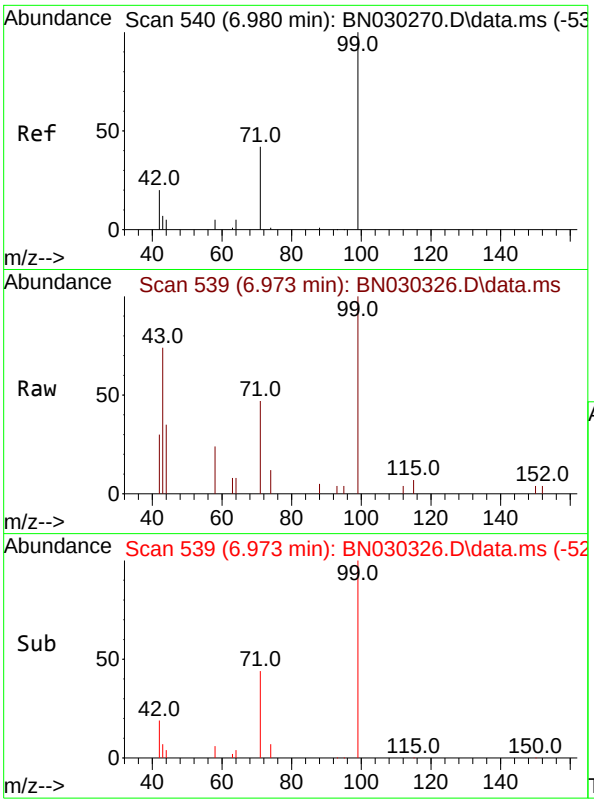


#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:112 Resp: 2447

Ion	Ratio	Lower	Upper
112	100		
64	48.5	41.8	62.8
63	33.2	27.1	40.7



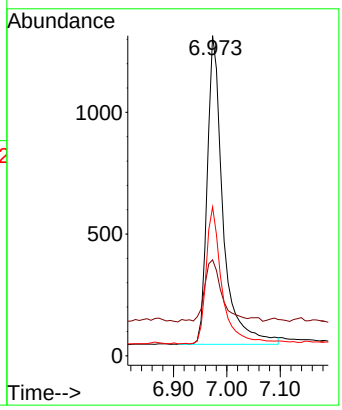


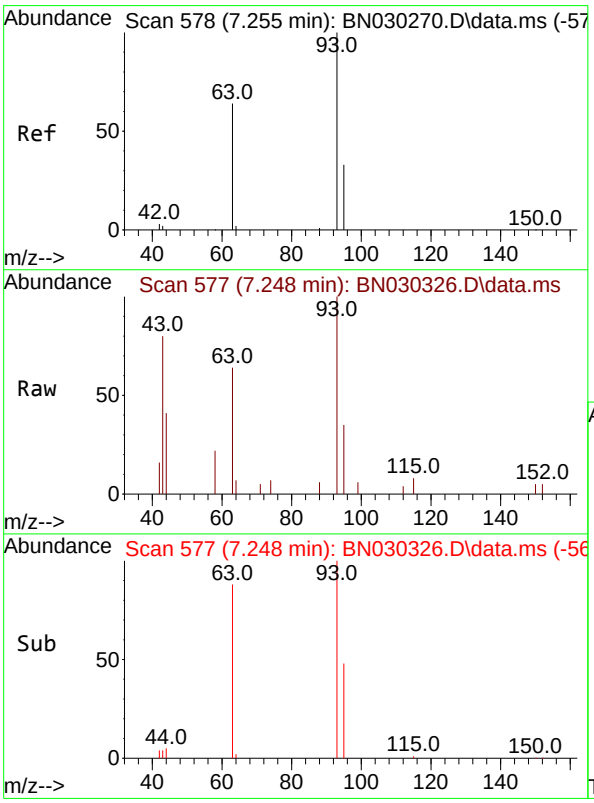
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion: 99 Resp: 2613

Ion	Ratio	Lower	Upper
99	100		
42	22.3	19.0	28.6
71	44.0	36.0	54.0

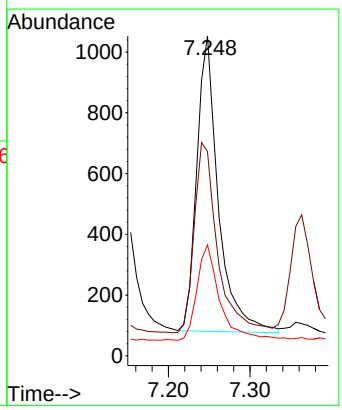


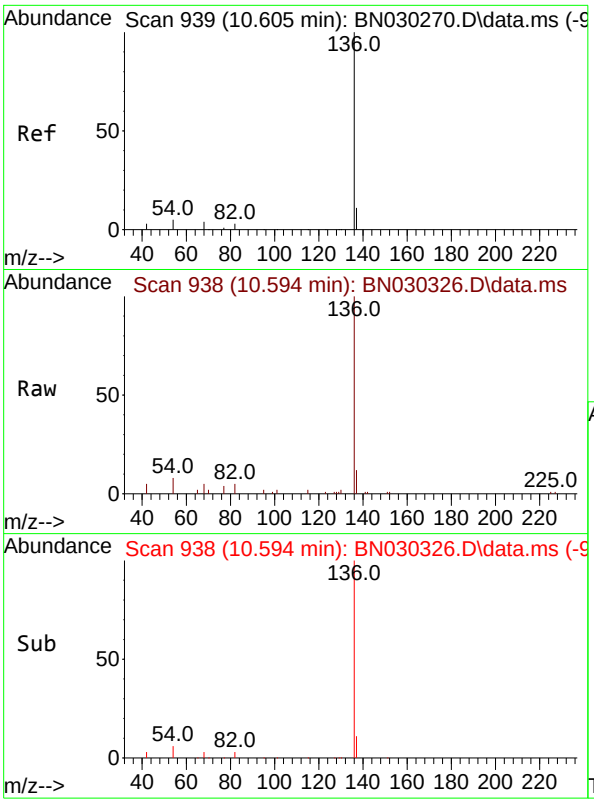


#6
bis(2-Chloroethyl)ether
Concen: 0.323 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion: 93 Resp: 1785

Ion	Ratio	Lower	Upper
93	100		
63	69.8	57.7	86.5
95	34.7	28.6	43.0



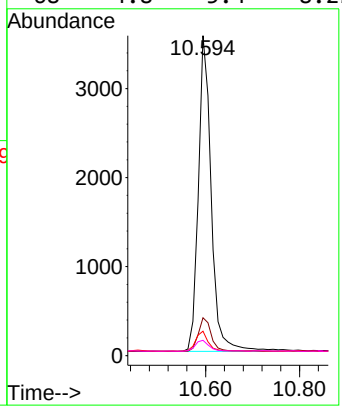


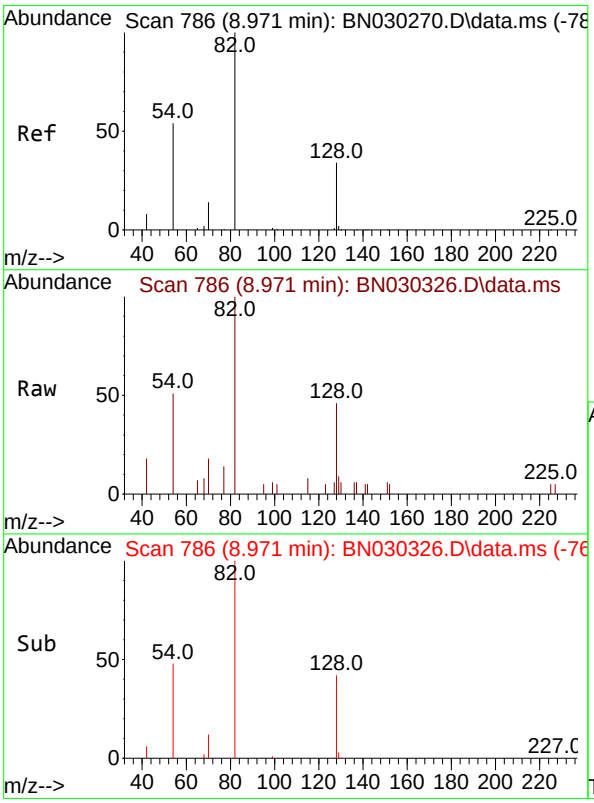
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:136 Resp: 6750

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.5	15.7
54	7.6	6.4	9.6
68	4.8	5.4	8.2#

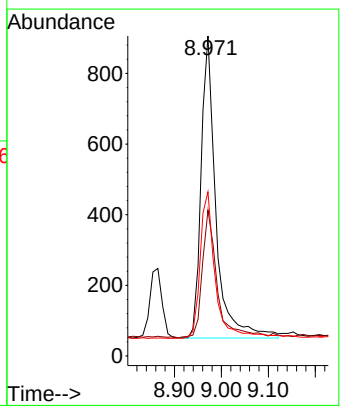


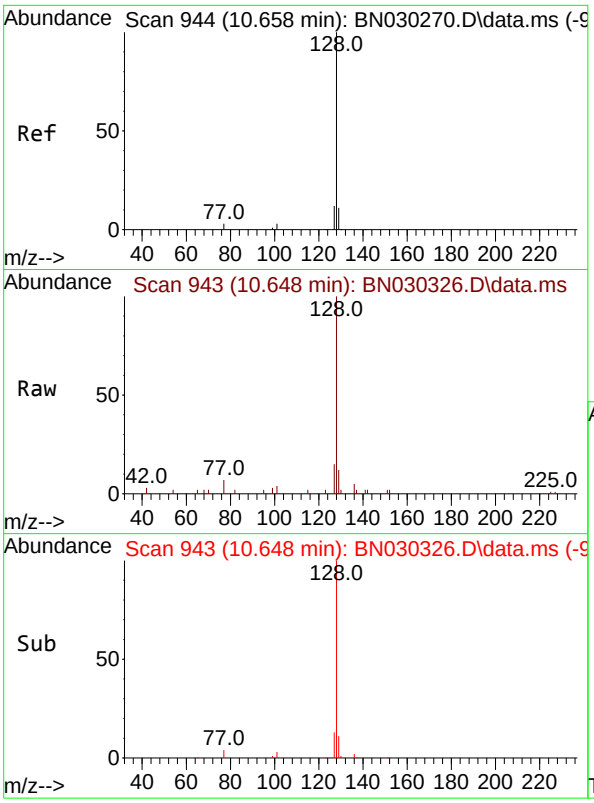


#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion: 82 Resp: 1878

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.2	48.2
54	51.3	47.3	70.9



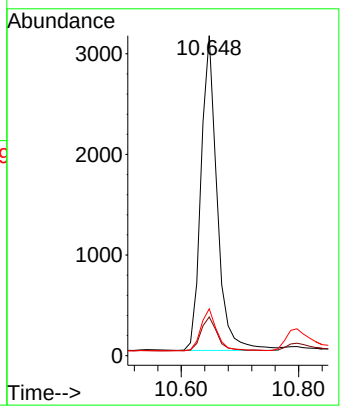


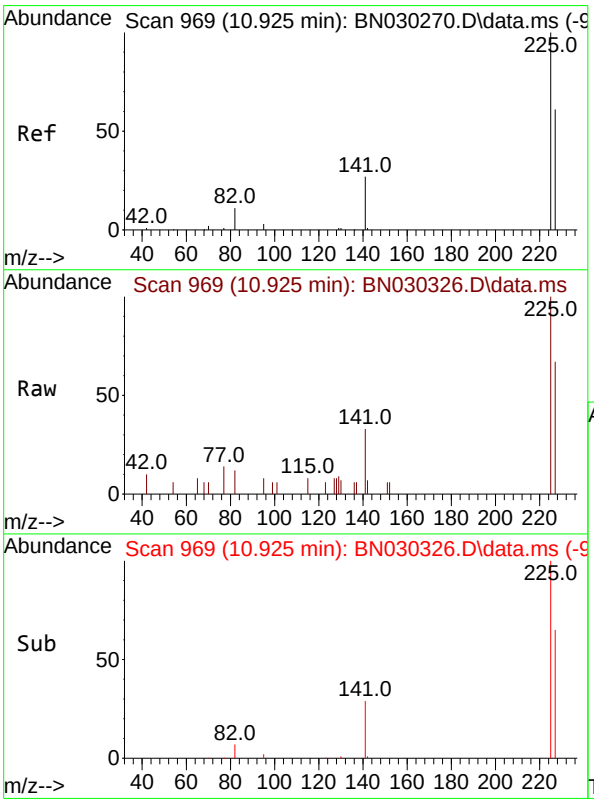
#9
Naphthalene
Concen: 0.317 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:128 Resp: 5967

Ion	Ratio	Lower	Upper
128	100		
129	12.1	10.8	16.2
127	14.7	11.7	17.5

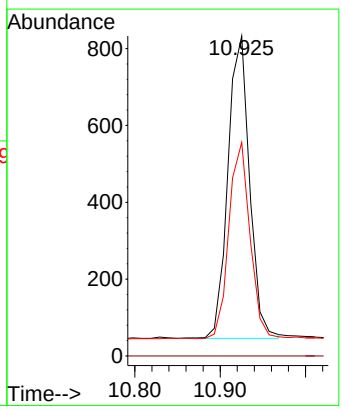


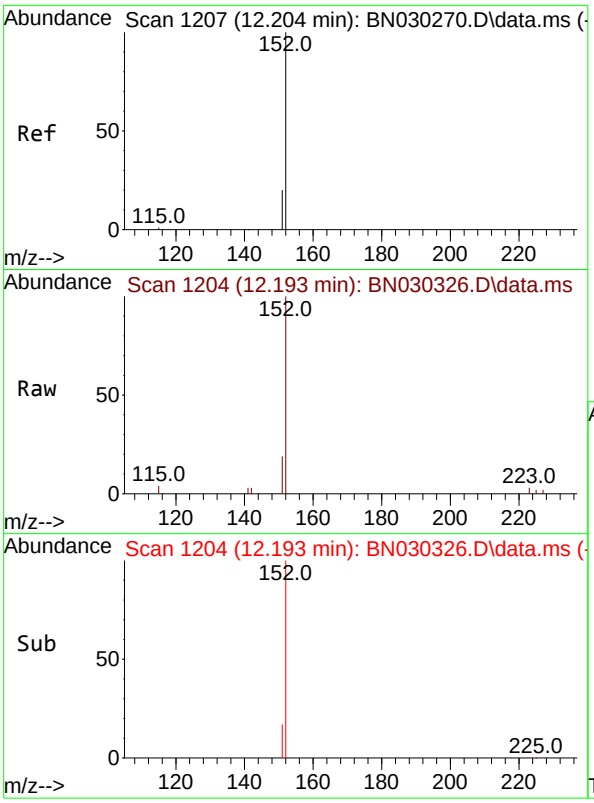


#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:225 Resp: 1382

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.6	76.0



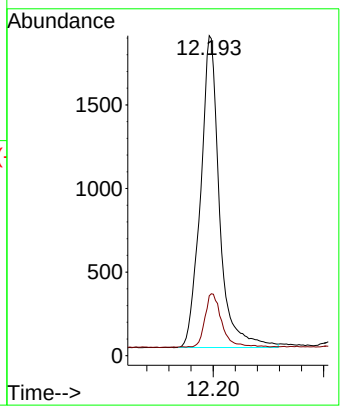


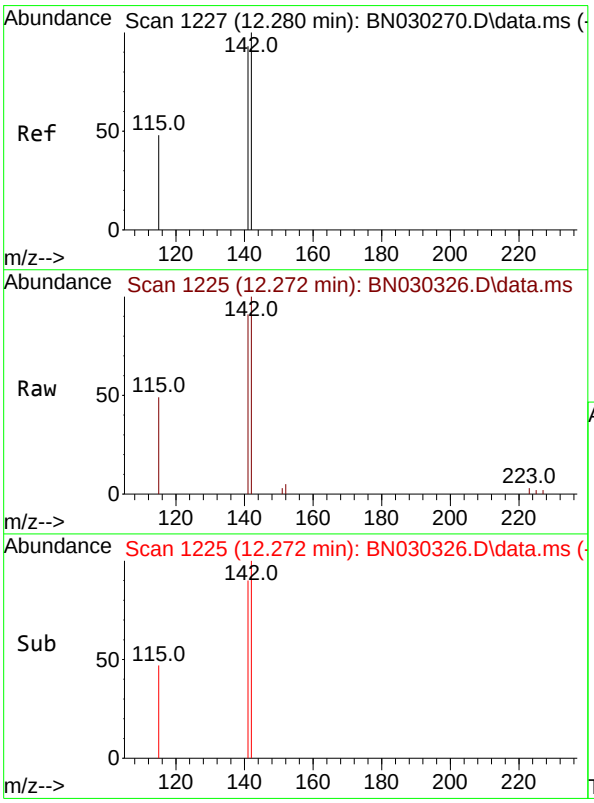
#11
2-Methylnaphthalene-d10
Concen: 0.455 ng
RT: 12.193 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:152 Resp: 4456

Ion	Ratio	Lower	Upper
152	100		
151	15.1	16.7	25.1#

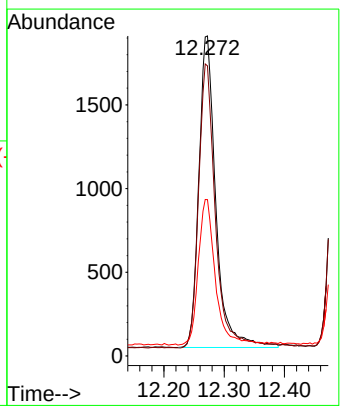


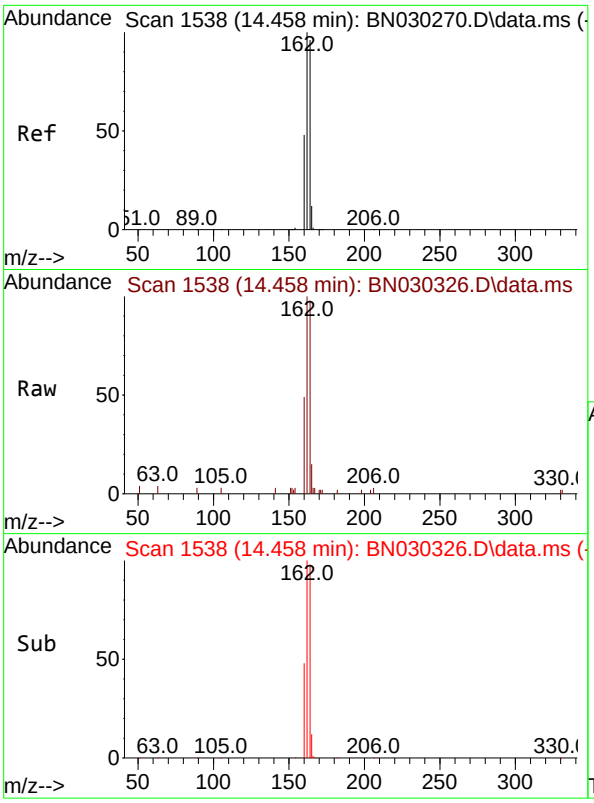


#12
2-Methylnaphthalene
Concen: 0.313 ng
RT: 12.272 min Scan# 1225
Delta R.T. -0.008 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:142 Resp: 3637

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.2	111.4
115	48.8	40.7	61.1



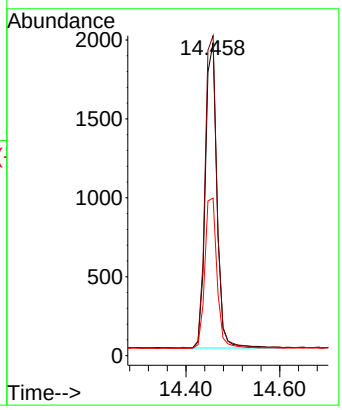


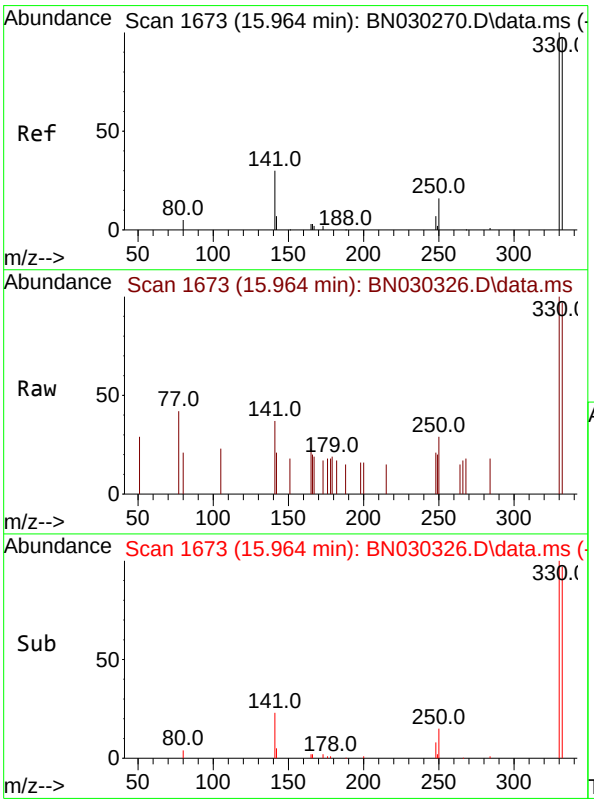
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.458 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:164 Resp: 3325

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.4	125.2
160	50.4	41.7	62.5

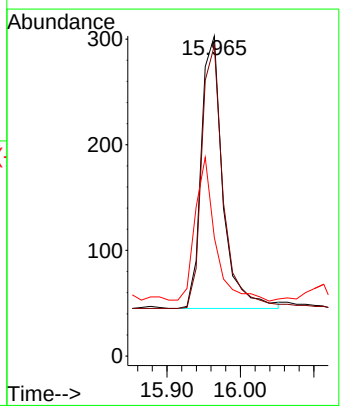


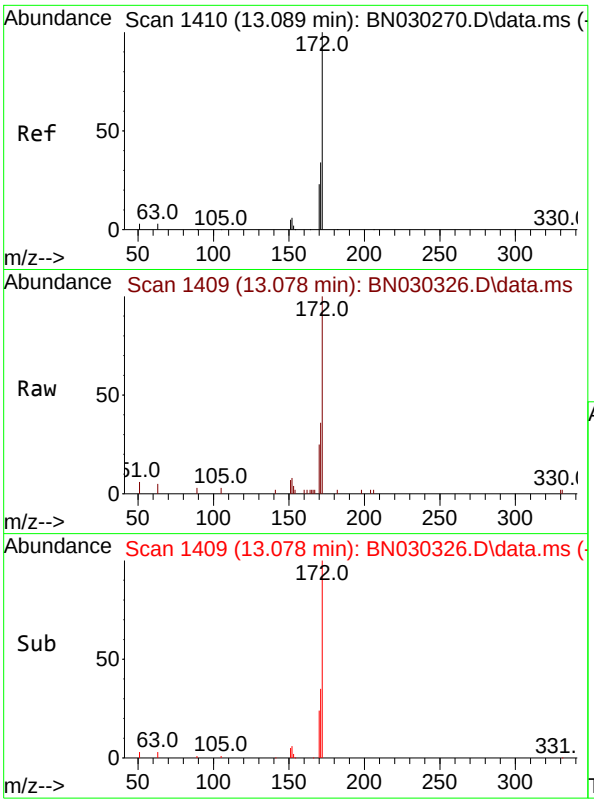


#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.964 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:330 Resp: 528

Ion	Ratio	Lower	Upper
330	100		
332	96.4	72.6	108.8
141	48.9	41.3	61.9



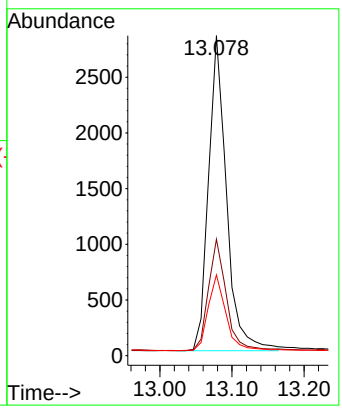


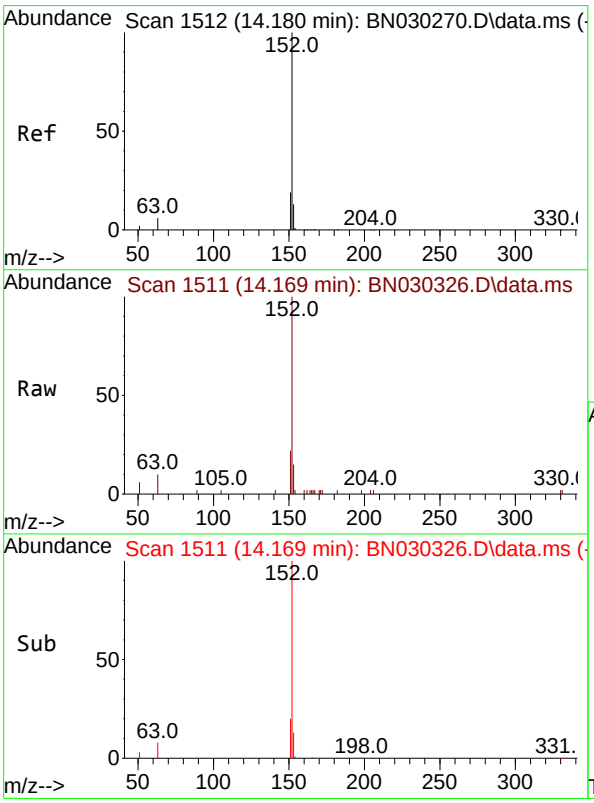
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.078 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:172 Resp: 4907

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	25.3	20.2	30.2

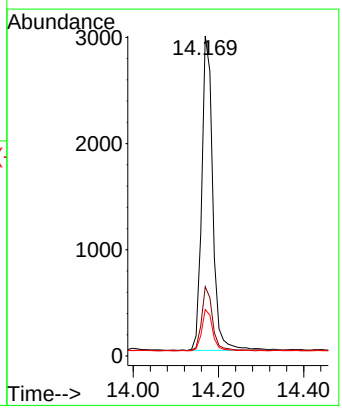


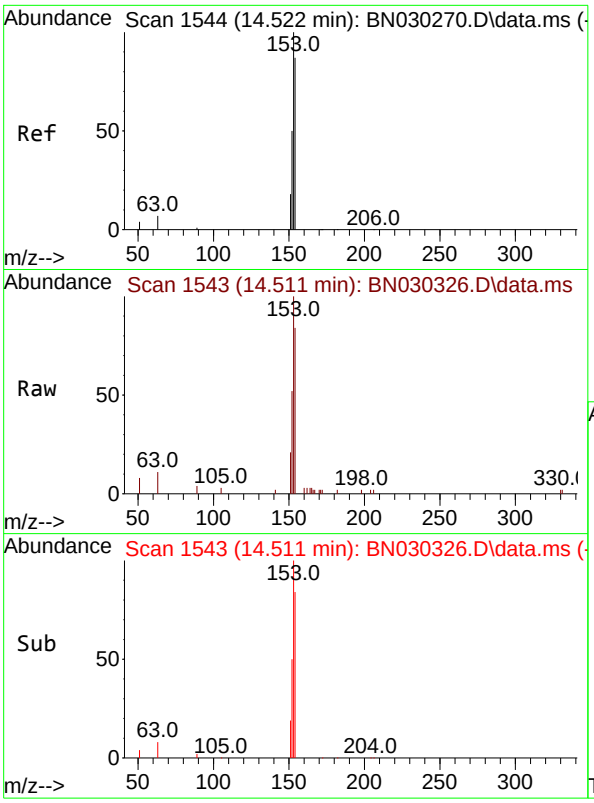


#16
Acenaphthylene
Concen: 0.330 ng
RT: 14.169 min Scan# 1511
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:152 Resp: 5298

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.6	10.3	15.5



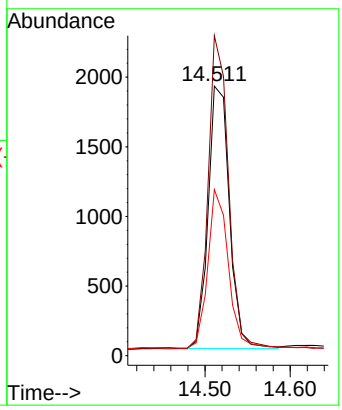


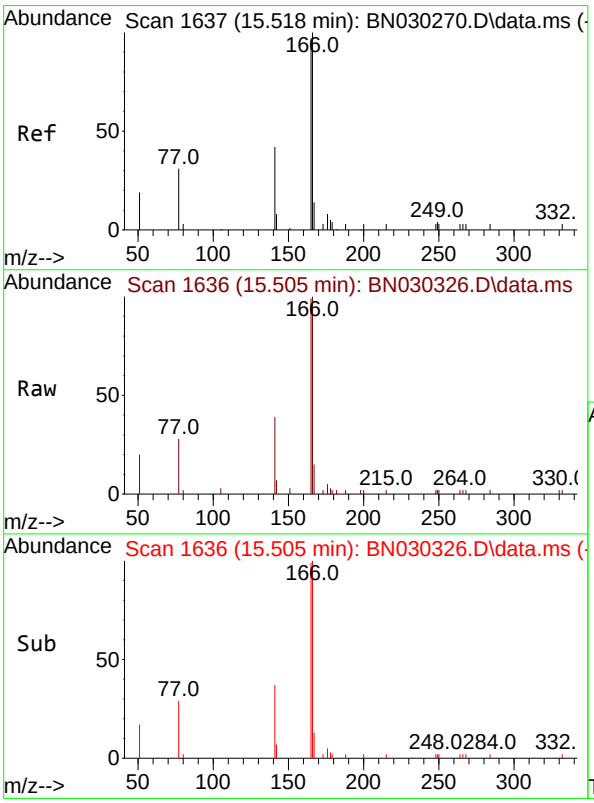
#17
Acenaphthene
Concen: 0.315 ng
RT: 14.511 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:154 Resp: 3262

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.9	139.3
152	58.4	47.3	70.9

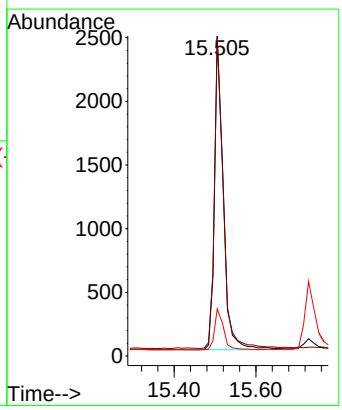


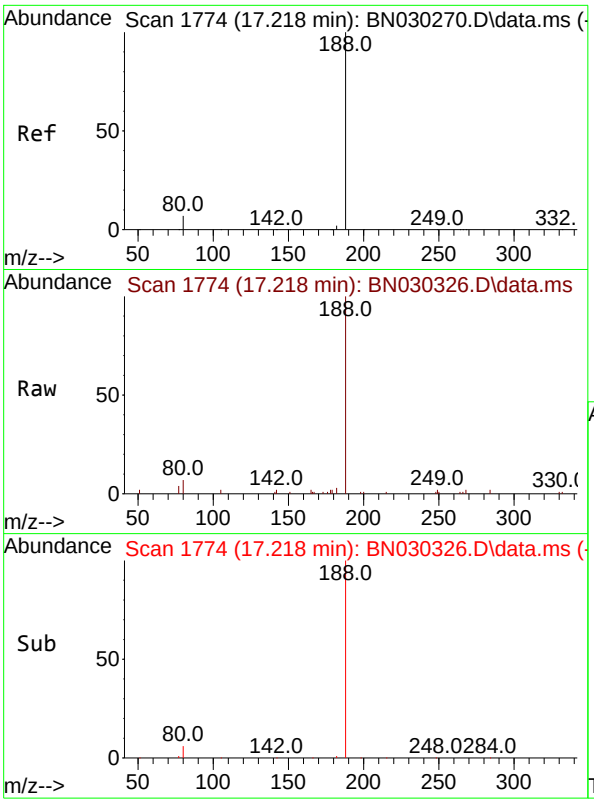


#18
Fluorene
Concen: 0.294 ng
RT: 15.505 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:166 Resp: 3667

Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.9	119.9
167	13.2	11.0	16.4



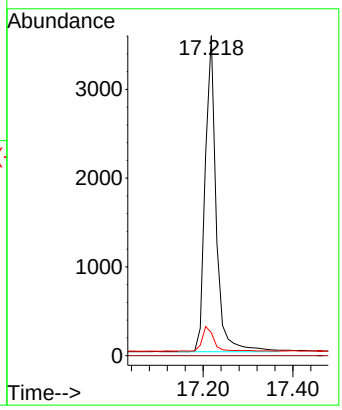


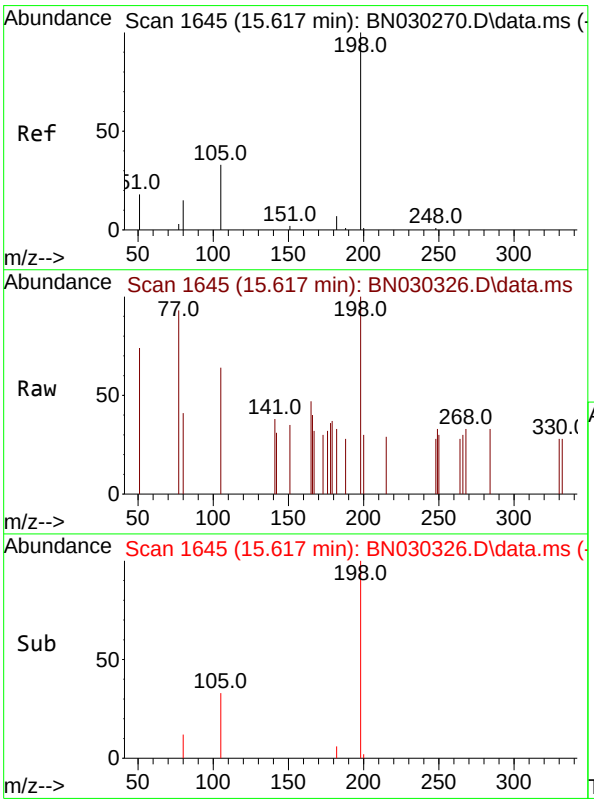
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.218 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:188 Resp: 6064

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	7.8	11.6#

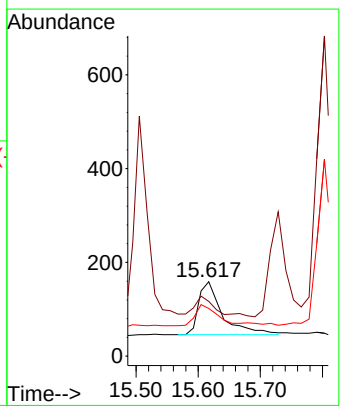


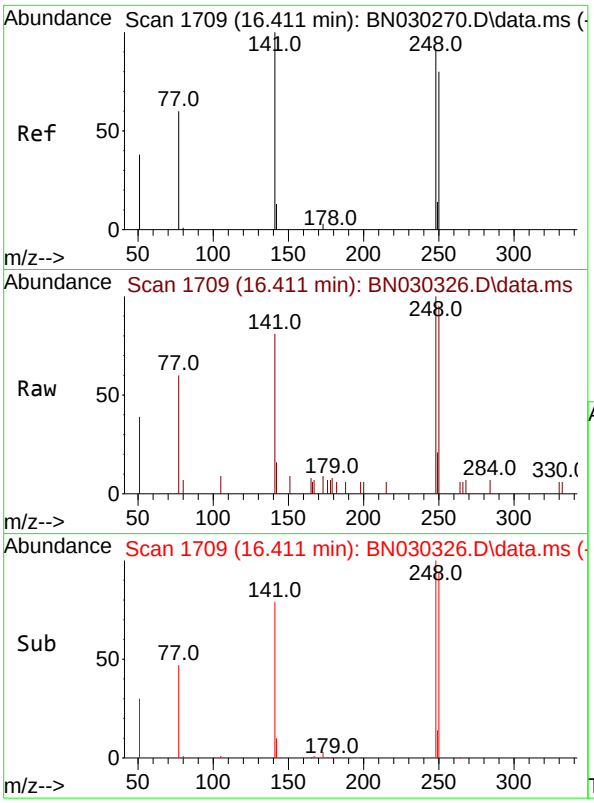


#20
4,6-Dinitro-2-methylphenol
Concen: 0.239 ng
RT: 15.617 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:198 Resp: 301

Ion	Ratio	Lower	Upper
198	100		
51	73.6	67.4	101.2
105	64.2	50.8	76.2



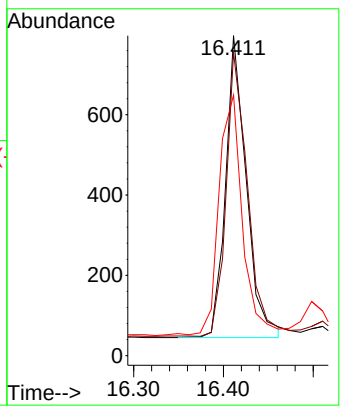


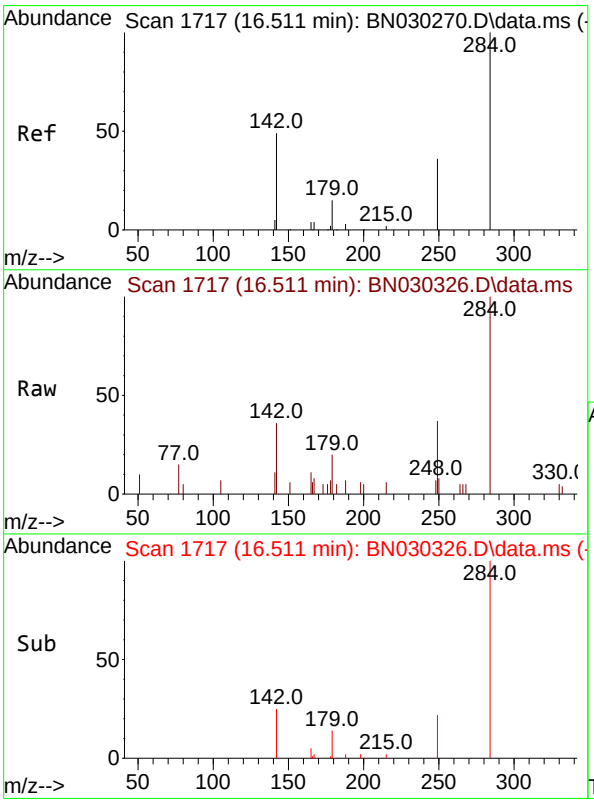
#21
4-Bromophenyl-phenylether
Concen: 0.325 ng
RT: 16.411 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:248 Resp: 1206

Ion	Ratio	Lower	Upper
248	100		
250	94.7	71.3	106.9
141	81.4	88.0	132.0#

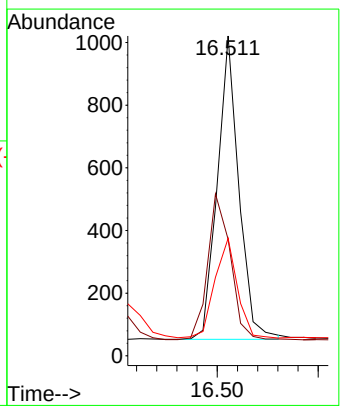


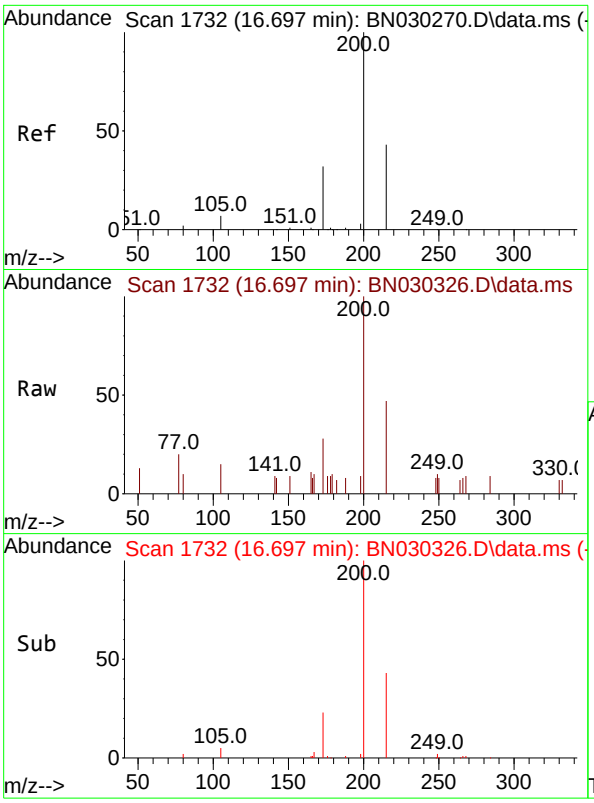


#22
Hexachlorobenzene
Concen: 0.333 ng
RT: 16.511 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:284 Resp: 1428

Ion	Ratio	Lower	Upper
284	100		
142	50.4	41.0	61.6
249	34.5	27.4	41.2



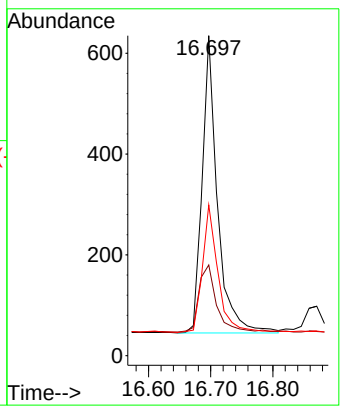


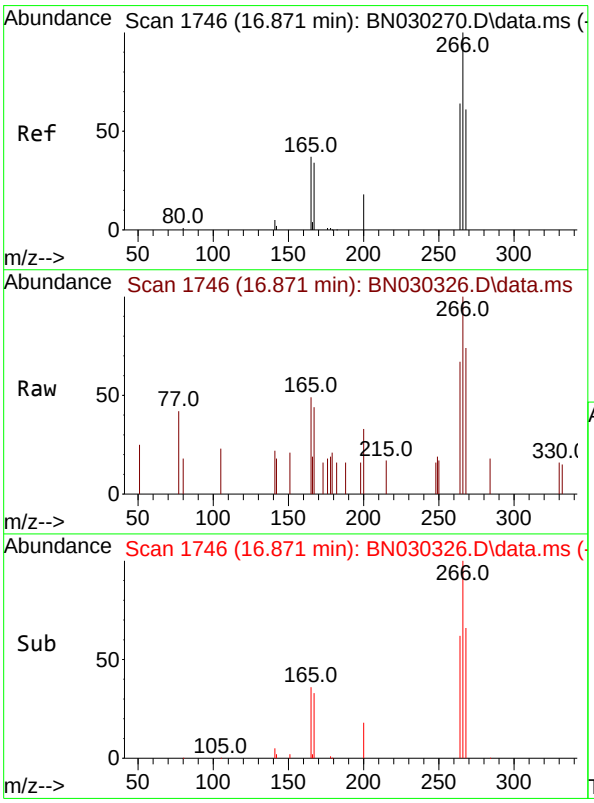
#23
Atrazine
Concen: 0.308 ng
RT: 16.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:200 Resp: 1011

Ion	Ratio	Lower	Upper
200	100		
173	28.3	30.8	46.2#
215	47.1	38.7	58.1

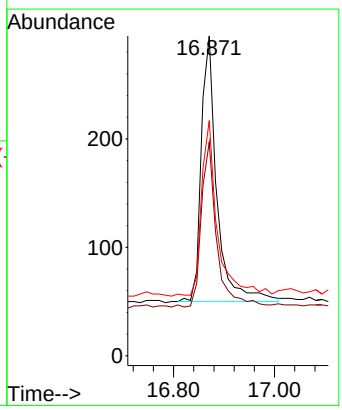


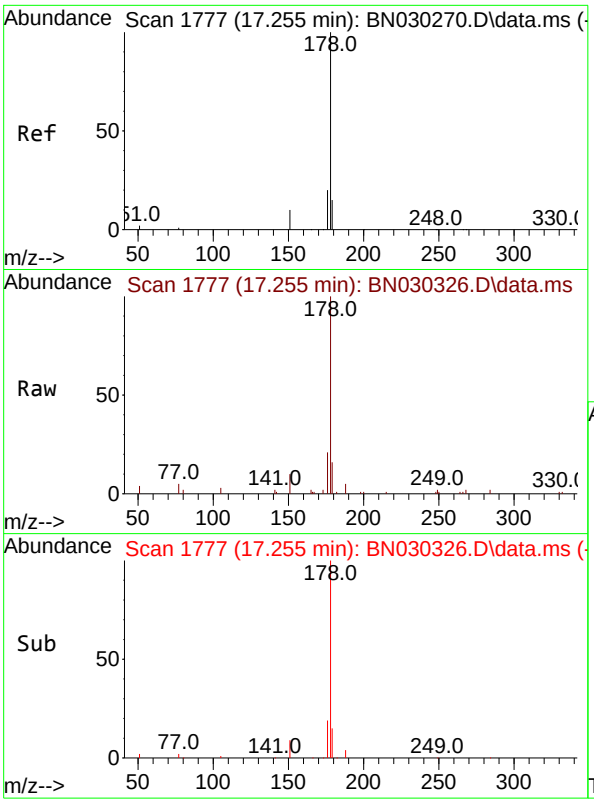


#24
Pentachlorophenol
Concen: 0.236 ng
RT: 16.871 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:266 Resp: 526

Ion	Ratio	Lower	Upper
266	100		
264	61.4	49.1	73.7
268	67.7	49.2	73.8



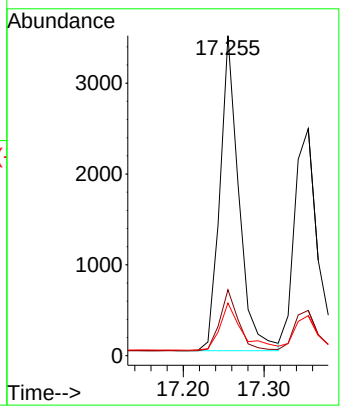


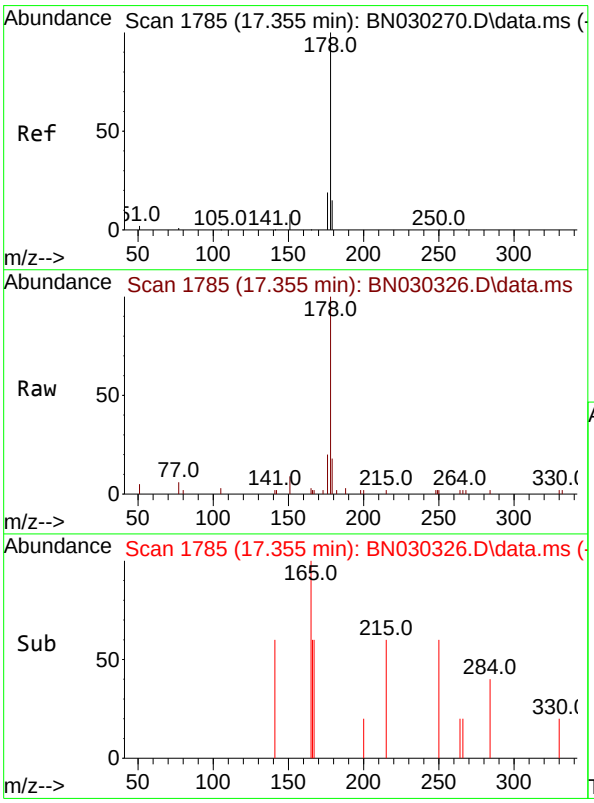
#25
Phenanthrene
Concen: 0.327 ng
RT: 17.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:178 Resp: 5666

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	17.5	12.4	18.6

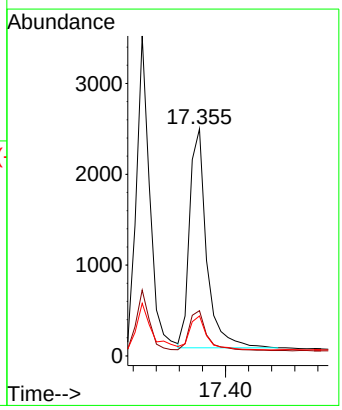


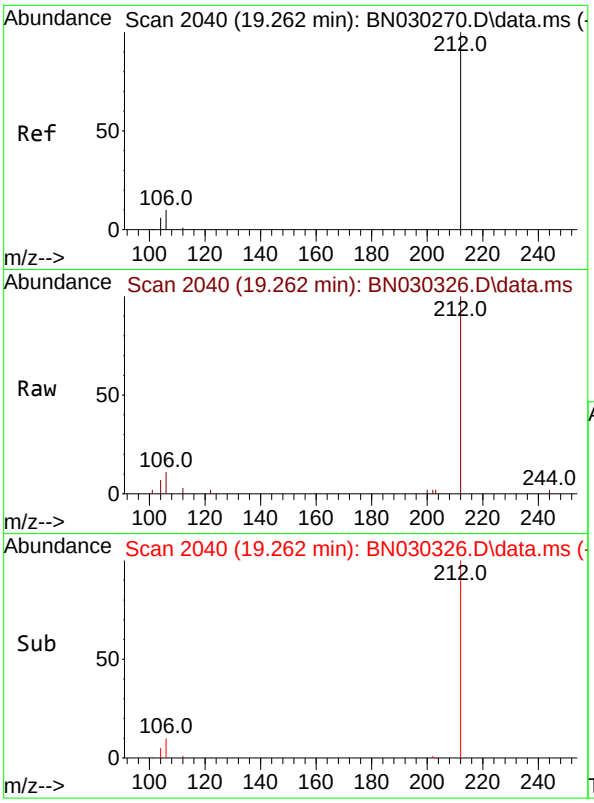


#26
Anthracene
Concen: 0.310 ng
RT: 17.355 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:178 Resp: 4943

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.8	12.5	18.7



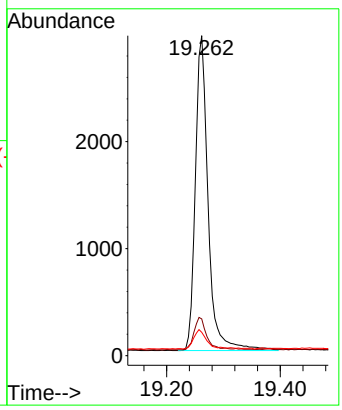


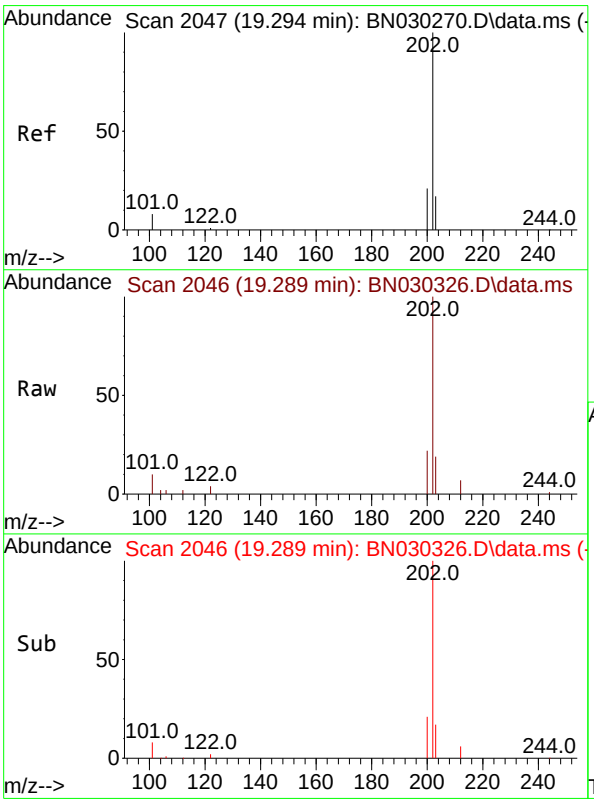
#27
Fluoranthene-d10
Concen: 0.276 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:212 Resp: 4592

Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.4
104	6.1	4.7	7.1

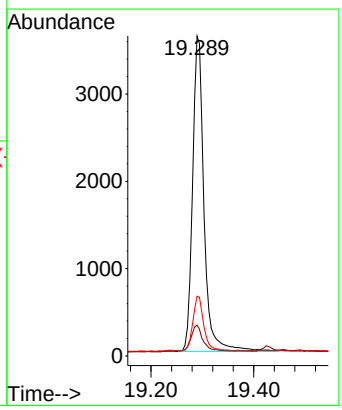


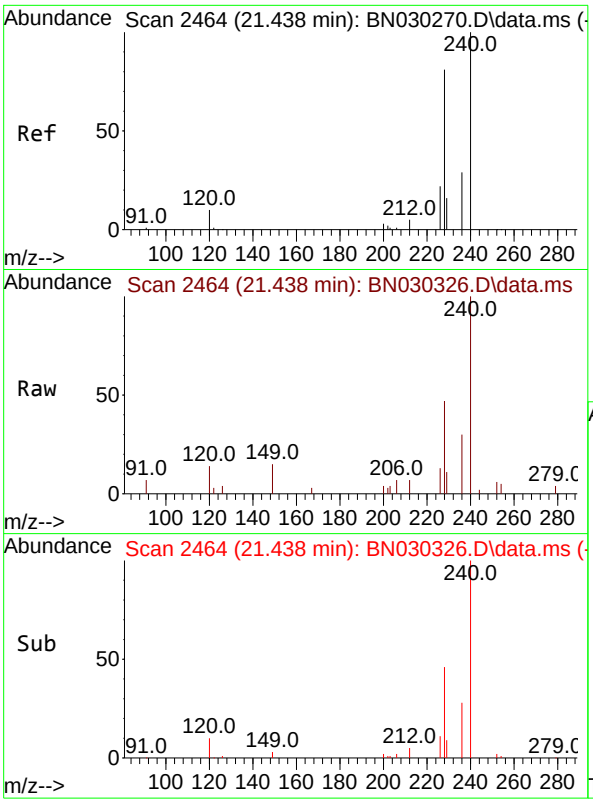


#28
Fluoranthene
Concen: 0.266 ng
RT: 19.289 min Scan# 2046
Delta R.T. -0.005 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:202 Resp: 5613

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.3	9.5
203	16.7	13.4	20.0



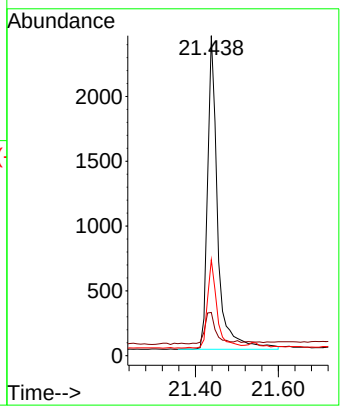


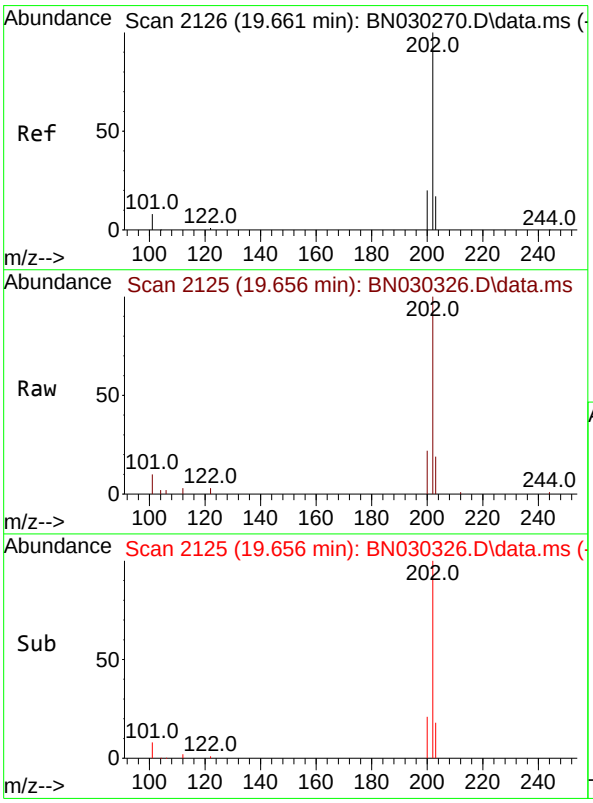
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.438 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:240 Resp: 4102

Ion	Ratio	Lower	Upper
240	100		
120	13.5	12.2	18.2
236	30.0	25.2	37.8

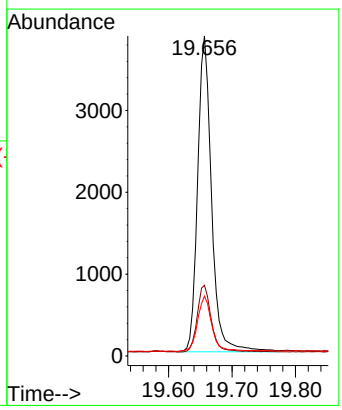


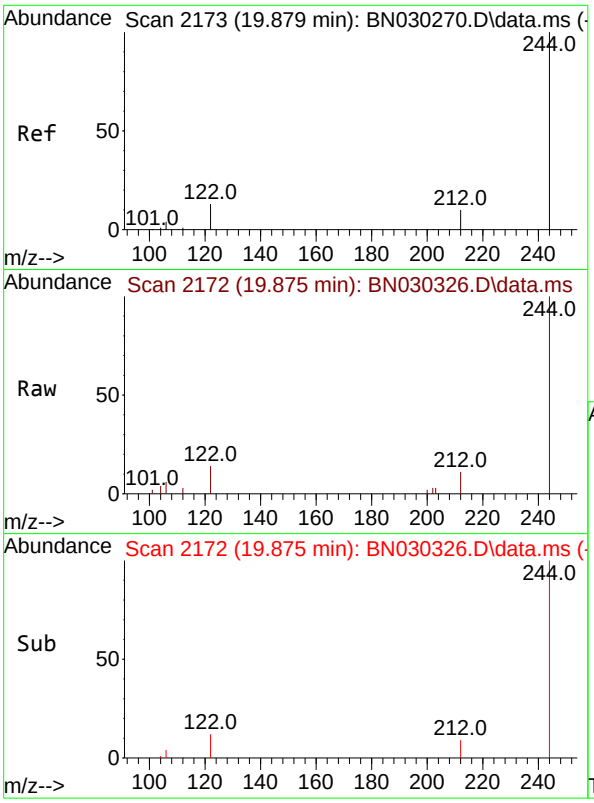


#30
Pyrene
Concen: 0.341 ng
RT: 19.656 min Scan# 2125
Delta R.T. -0.005 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:202 Resp: 5878

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	14.1	21.1



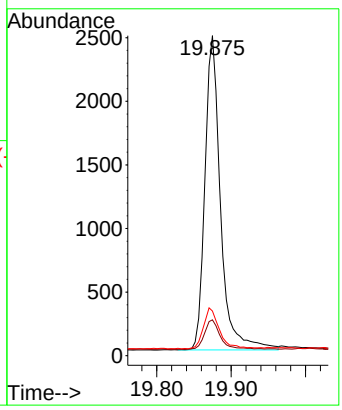


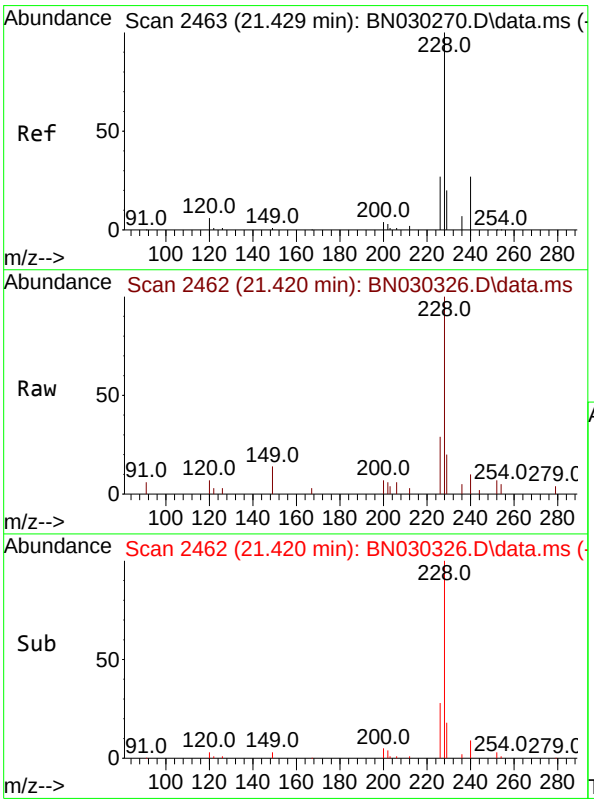
#31
Terphenyl-d14
Concen: 0.338 ng
RT: 19.875 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:244 Resp: 3593

Ion	Ratio	Lower	Upper
244	100		
212	11.2	9.5	14.3
122	14.0	11.8	17.6

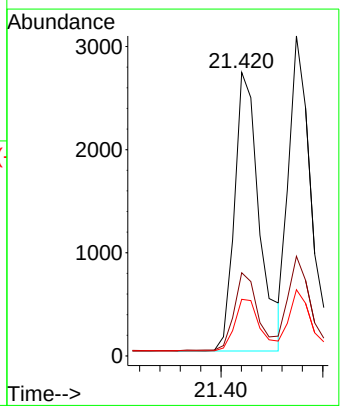


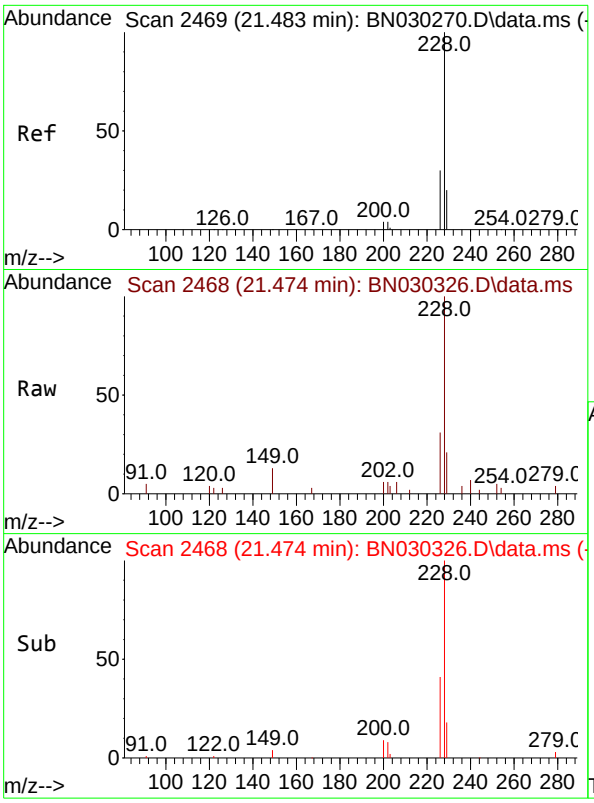


#32
Benzo(a)anthracene
Concen: 0.317 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:228 Resp: 4555

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.1	34.7
229	20.0	17.0	25.4



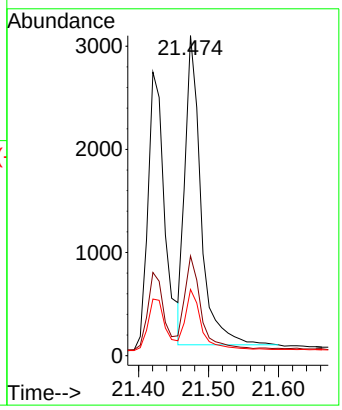


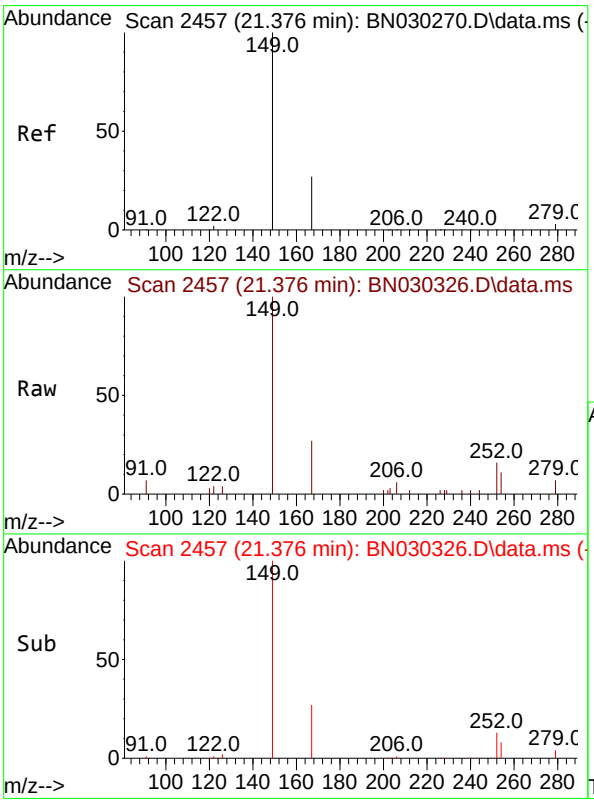
#33
Chrysene
Concen: 0.304 ng
RT: 21.474 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:228 Resp: 4732

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.7	17.3	25.9

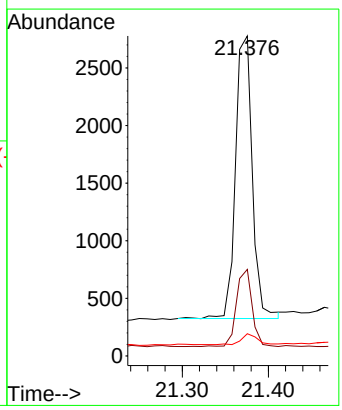


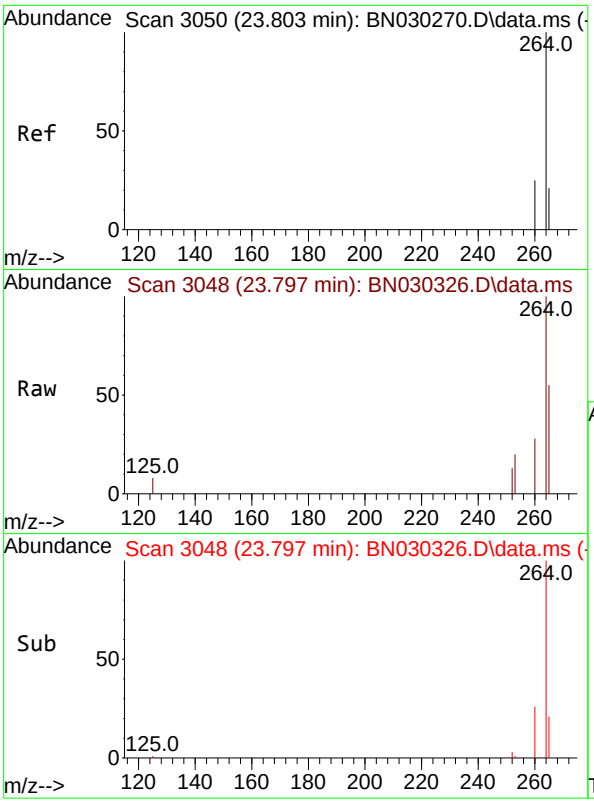


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 21.376 min Scan# 2457
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:149 Resp: 3335

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.6	30.8
279	3.6	4.0	6.0#



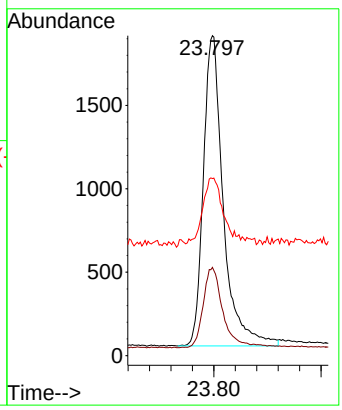


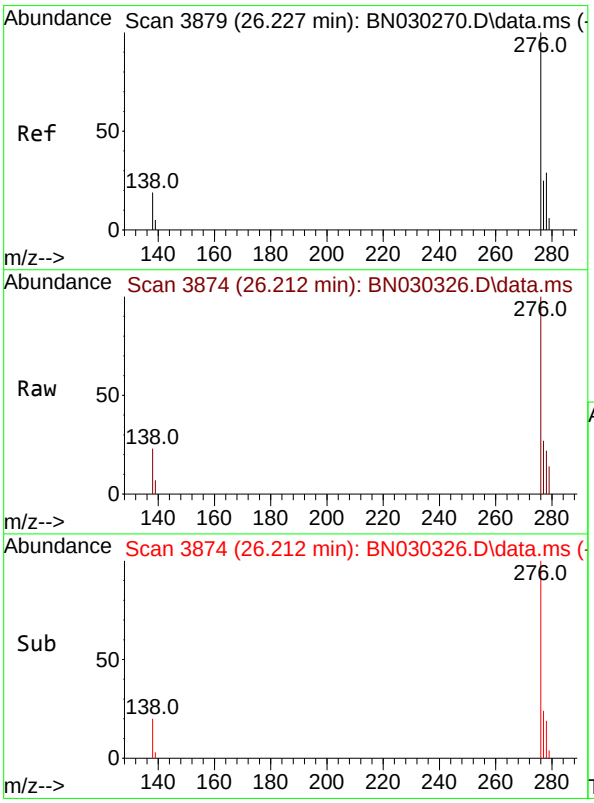
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.797 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:264 Resp: 4808

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.7	32.5
265	55.3	50.8	76.2

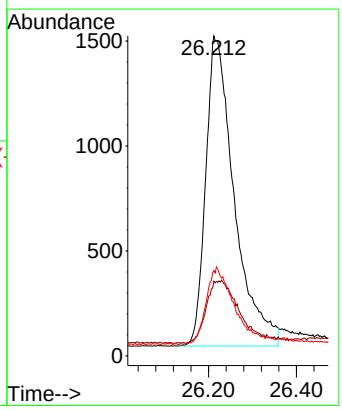


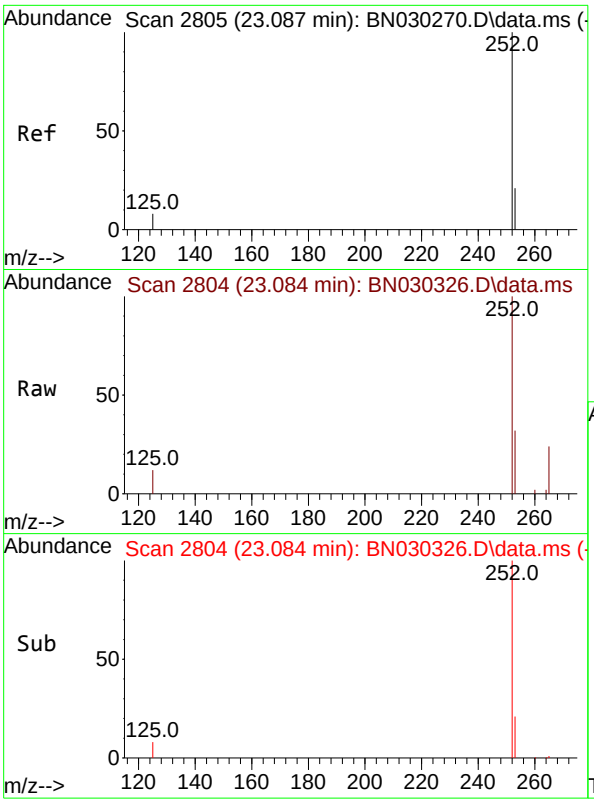


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.331 ng
RT: 26.212 min Scan# 3874
Delta R.T. -0.015 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:276 Resp: 6658

Ion	Ratio	Lower	Upper
276	100		
138	22.9	17.4	26.2
277	24.3	18.9	28.3



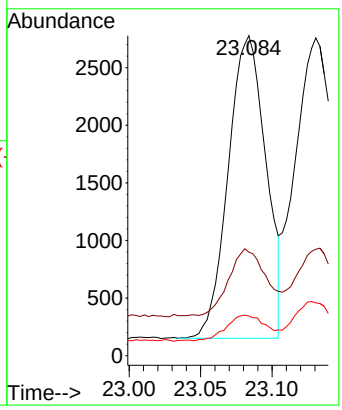


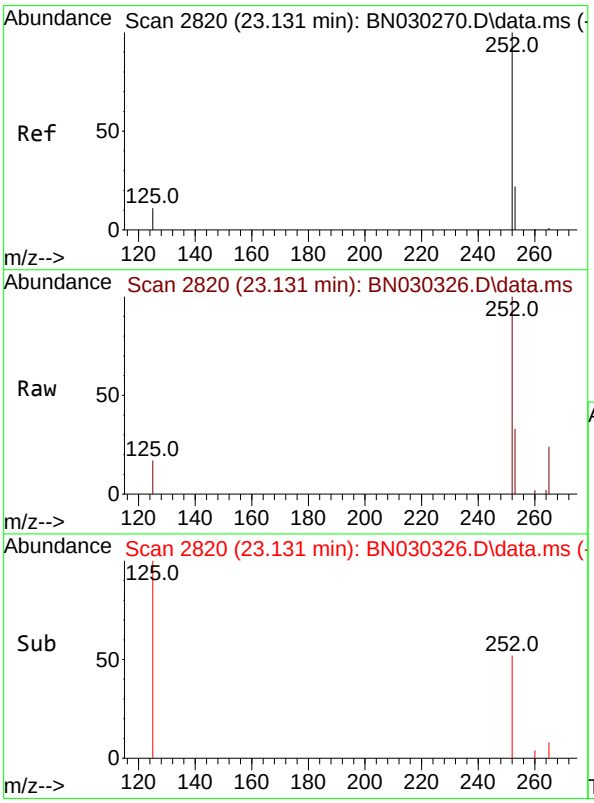
#37
Benzo(b)fluoranthene
Concen: 0.286 ng
RT: 23.084 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:252 Resp: 4803

Ion	Ratio	Lower	Upper
252	100		
253	32.4	25.4	38.0
125	12.4	10.0	15.0

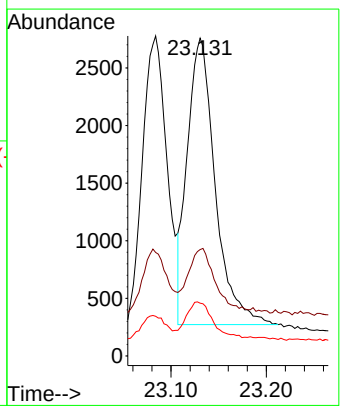


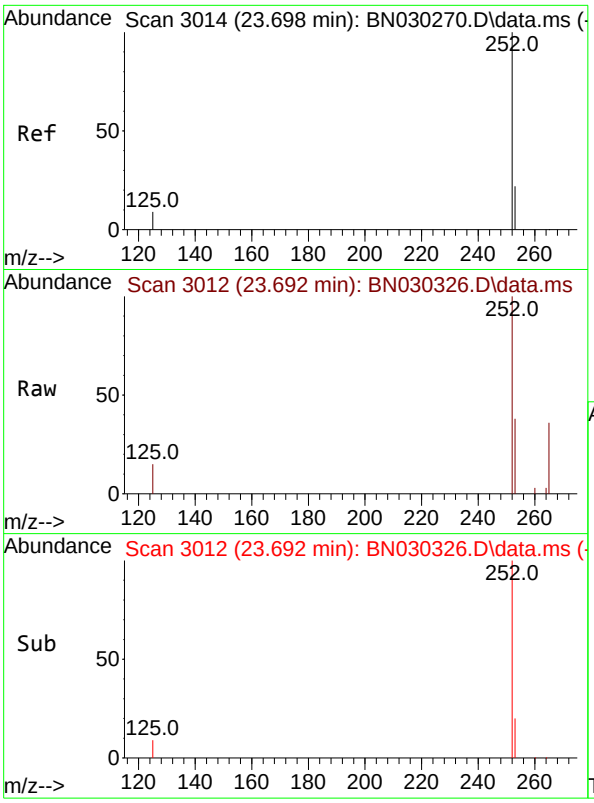


#38
Benzo(k)fluoranthene
Concen: 0.297 ng
RT: 23.131 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:252 Resp: 5067

Ion	Ratio	Lower	Upper
252	100		
253	33.5	25.7	38.5
125	16.6	11.5	17.3



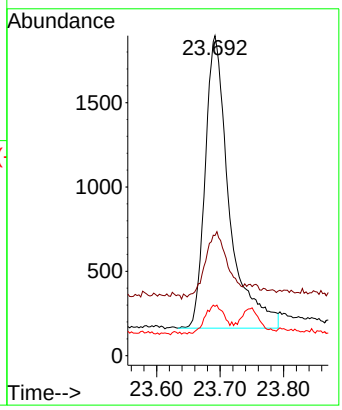


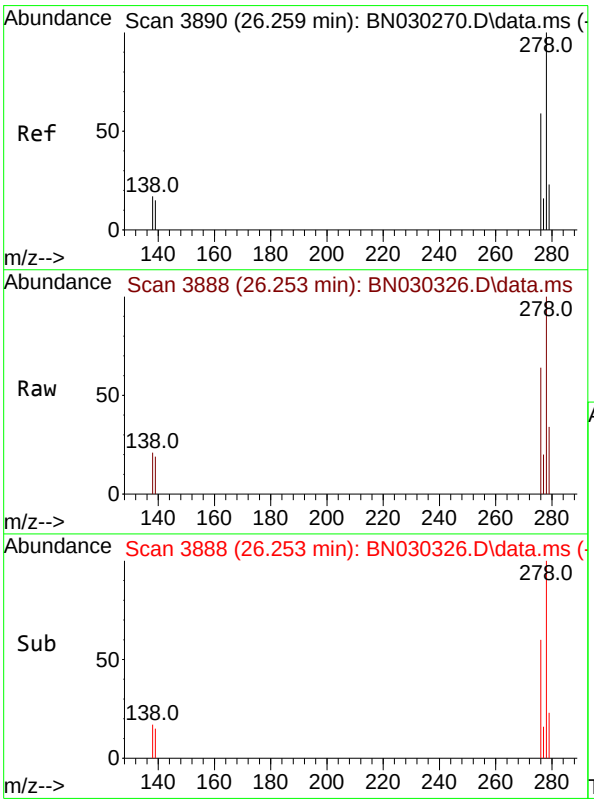
#39
Benzo(a)pyrene
Concen: 0.307 ng
RT: 23.692 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:252 Resp: 4559

Ion	Ratio	Lower	Upper
252	100		
253	37.5	30.8	46.2
125	15.4	12.5	18.7

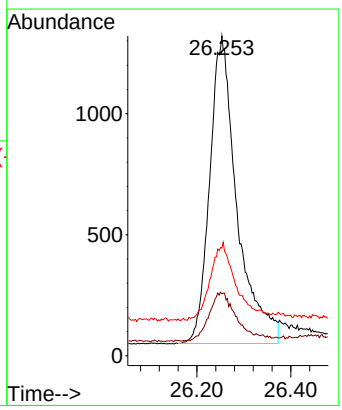


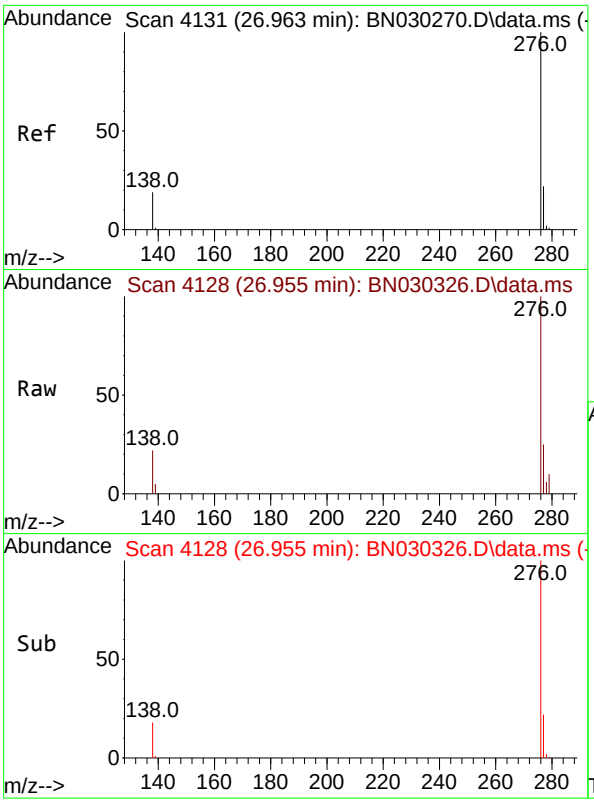


#40
Dibenzo(a,h)anthracene
Concen: 0.325 ng
RT: 26.253 min Scan# 3888
Delta R.T. -0.006 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Tgt Ion:278 Resp: 5138

Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.5	23.3
279	33.7	27.3	40.9





#41
Benzo(g,h,i)perylene
Concen: 0.326 ng
RT: 26.955 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN030326.D
Acq: 07 Mar 2024 14:55

Instrument :
BNA_N
ClientSampleId :
PB159312BSD

Tgt Ion:276 Resp: 5960

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.6	30.8
138	21.7	18.2	27.4