Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042524\
Data File : BN031226.D
Acq On : 25 Apr 2024 18:55
Operator : MA/JU
Sample : PB160394BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Quant Time: Apr 25 23:54:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 25 18:00:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.631	152	7464	0.400	ng		0.00
7) Naphthalene-d8	10.410	136	22070	0.400	ng		0.00
13) Acenaphthene-d10	14.274	164	12136	0.400	ng		0.00
19) Phenanthrene-d10	17.028	188	26841	0.400	ng		0.00
29) Chrysene-d12	21.229	240	17548	0.400	ng		0.00
35) Perylene-d12	23.443	264	5721	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.234	112	7219	0.434	ng		0.00
5) Phenol-d6	6.808	99	8889	0.441	ng		0.00
8) Nitrobenzene-d5	8.777	82	5968	0.391	ng		0.00
11) 2-Methylnaphthalene-d10	12.001	152	11189	0.329	ng		0.00
14) 2,4,6-Tribromophenol	15.775	330	2088	0.443	ng		0.00
15) 2-Fluorobiphenyl	12.895	172	16134	0.395	ng		0.00
27) Fluoranthene-d10	19.063	212	22162	0.307	ng		0.00
31) Terphenyl-d14	19.667	244	16406	0.403	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.183	88	2284	0.249	ng	#	59
3) n-Nitrosodimethylamine	3.493	42	3078	0.358	ng	#	97
6) bis(2-Chloroethyl)ether	7.061	93	7179	0.360	ng		95
9) Naphthalene	10.453	128	20267	0.333	ng		100
10) Hexachlorobutadiene	10.731	225	3958	0.324	ng	#	100
12) 2-Methylnaphthalene	12.077	142	13275	0.328	ng		98
16) Acenaphthylene	13.985	152	19498	0.364	ng		99
17) Acenaphthene	14.338	154	12253	0.325	ng		97
18) Fluorene	15.322	166	16170	0.324	ng		99
20) 4,6-Dinitro-2-methylph...	15.418	198	1368	0.438	ng	#	81
21) 4-Bromophenyl-phenylether	16.222	248	5312	0.333	ng	#	83
22) Hexachlorobenzene	16.321	284	5846	0.314	ng		98
24) Pentachlorophenol	16.681	266	6472	0.983	ng		99
25) Phenanthrene	17.066	178	25957	0.328	ng		99
26) Anthracene	17.153	178	22596	0.345	ng		100
28) Fluoranthene	19.096	202	27314	0.287	ng		100
30) Pyrene	19.458	202	24473	0.359	ng		100
32) Benzo(a)anthracene	21.211	228	22903	0.375	ng		99
33) Chrysene	21.265	228	22943	0.345	ng		99
34) Bis(2-ethylhexyl)phtha...	21.139	149	19434	0.694	ng		98
36) Indeno(1,2,3-cd)pyrene	25.674	276	16968	0.638	ng		99
37) Benzo(b)fluoranthene	22.776	252	20123	0.852	ng	#	93
38) Benzo(k)fluoranthene	22.817	252	17622	0.762	ng	#	89
39) Benzo(a)pyrene	23.347	252	9690	0.493	ng	#	75
40) Dibenzo(a,h)anthracene	25.685	278	17868	0.839	ng	#	90
41) Benzo(g,h,i)perylene	26.349	276	12830	0.547	ng		92

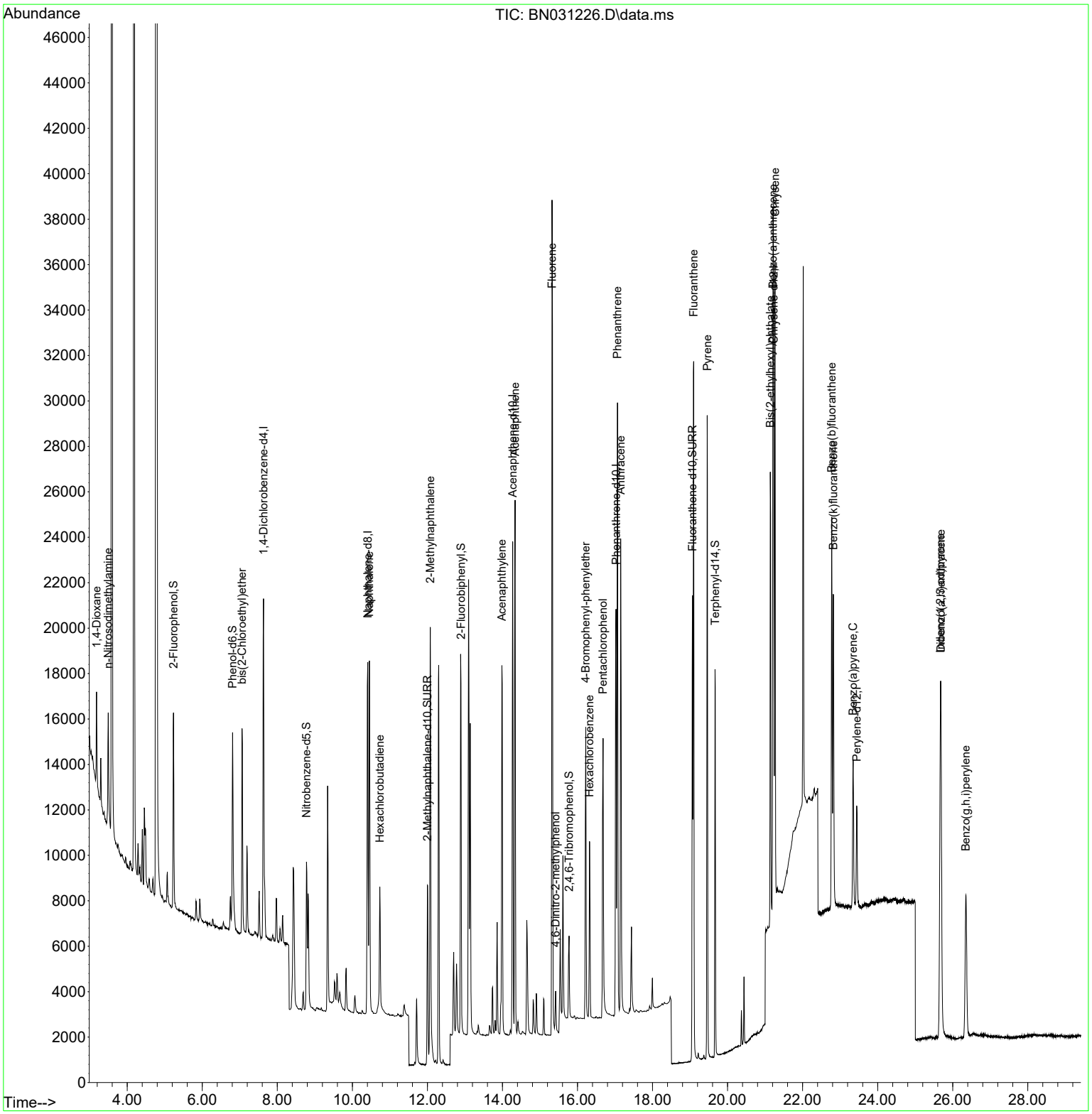
(#) = qualifier out of range (m) = manual integration (+) = signals summed

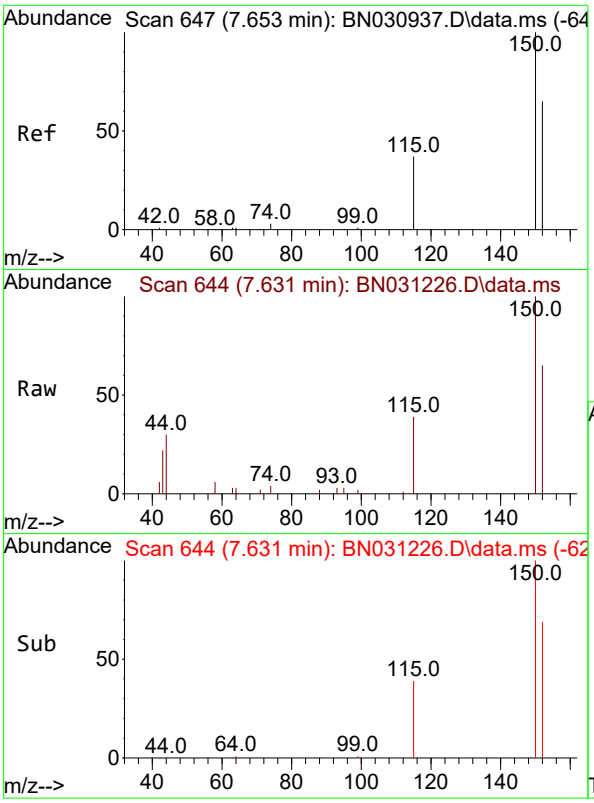
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042524\
Data File : BN031226.D
Acq On : 25 Apr 2024 18:55
Operator : MA/JU
Sample : PB160394BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Quant Time: Apr 25 23:54:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 25 18:00:27 2024
Response via : Initial Calibration



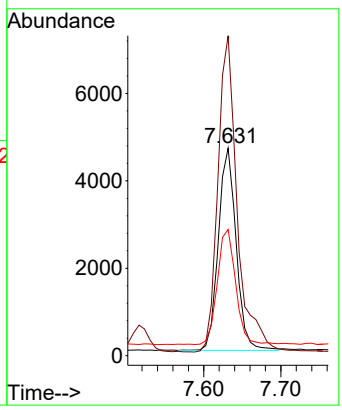


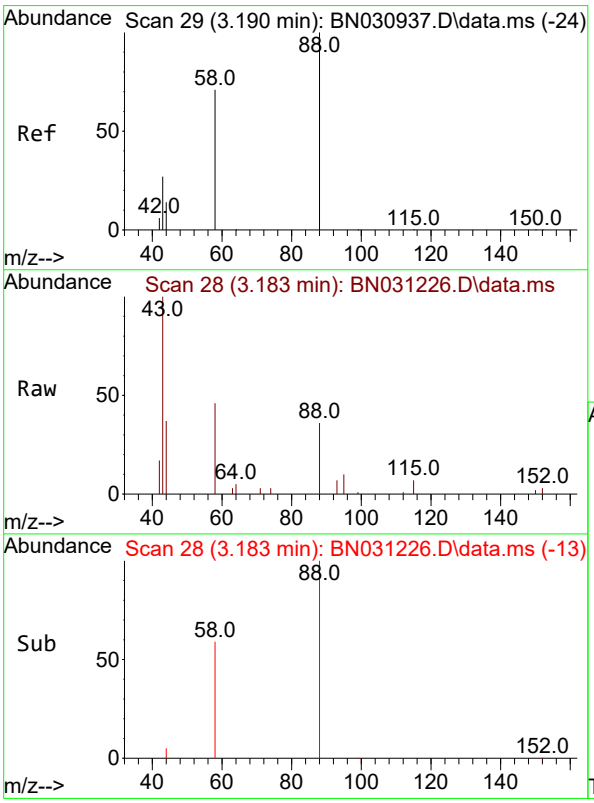
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.631 min Scan# 64
Delta R.T. 0.007 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:152 Resp: 7464

Ion	Ratio	Lower	Upper
152	100		
150	154.1	121.7	182.5
115	60.8	47.8	71.8

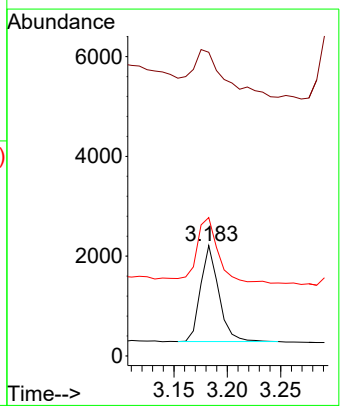


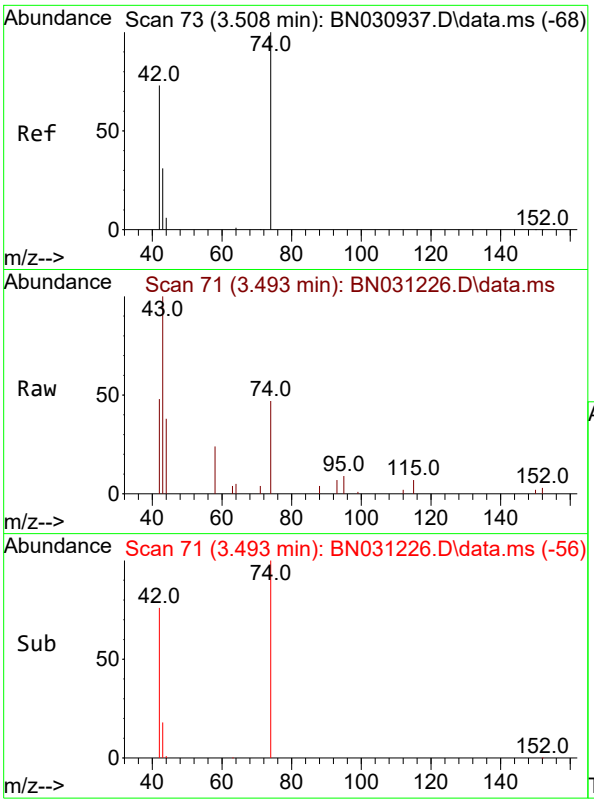


#2
1,4-Dioxane
Concen: 0.249 ng
RT: 3.183 min Scan# 28
Delta R.T. 0.007 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion: 88 Resp: 2284

Ion	Ratio	Lower	Upper
88	100		
43	87.8	23.7	35.5#
58	79.9	55.7	83.5



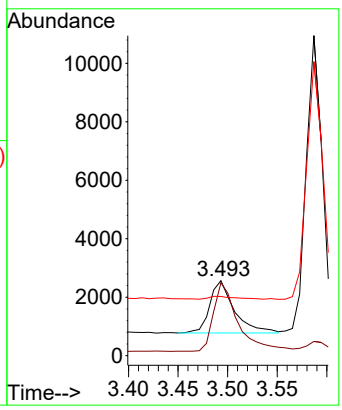


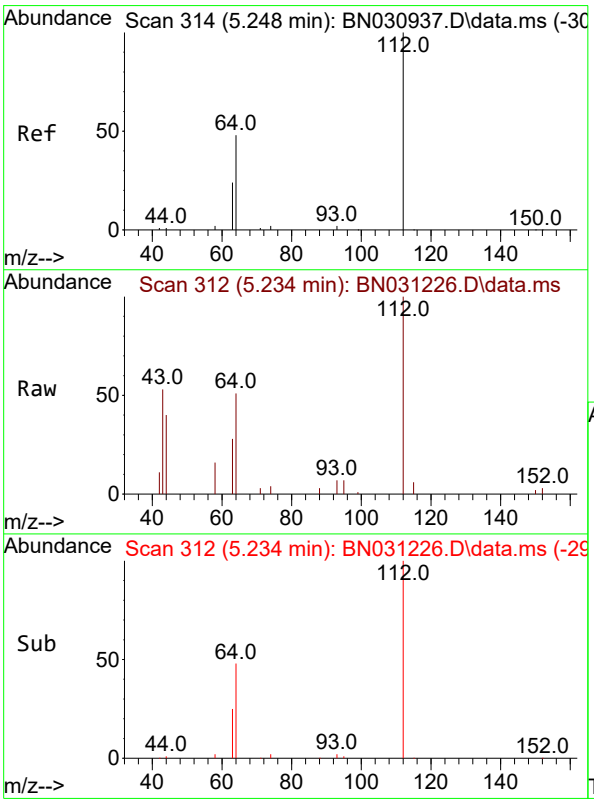
#3
n-Nitrosodimethylamine
Concen: 0.358 ng
RT: 3.493 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion: 42 Resp: 3078

Ion	Ratio	Lower	Upper
42	100		
74	130.5	103.1	154.7
44	0.0	7.0	10.6#

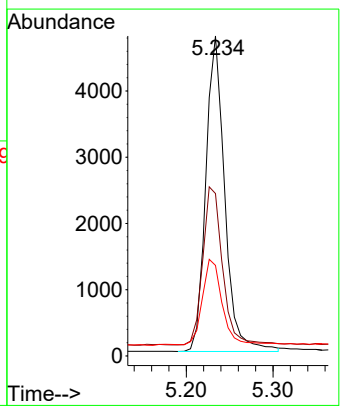


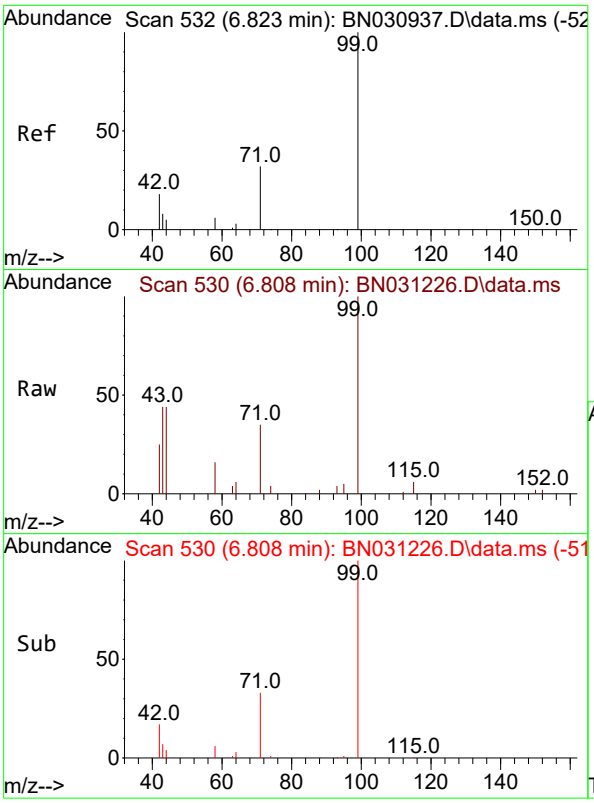


#4
2-Fluorophenol
Concen: 0.434 ng
RT: 5.234 min Scan# 312
Delta R.T. 0.007 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:112 Resp: 7219

Ion	Ratio	Lower	Upper
112	100		
64	52.6	43.4	65.2
63	28.1	22.2	33.2



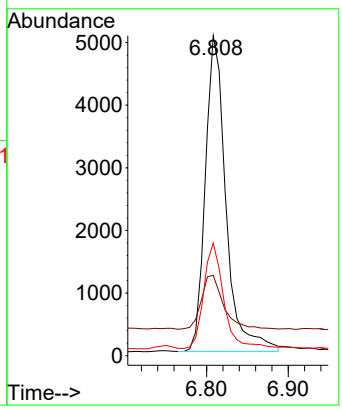


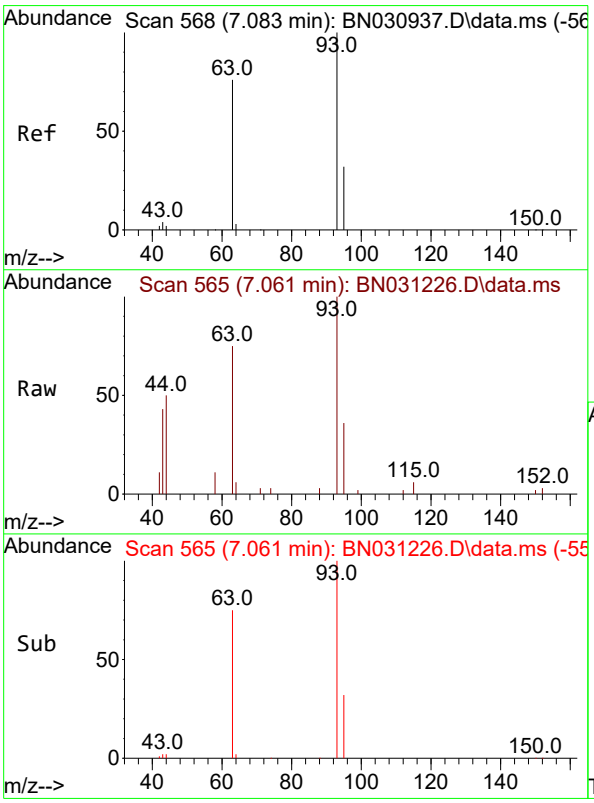
#5
Phenol-d6
Concen: 0.441 ng
RT: 6.808 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion: 99 Resp: 8889

Ion	Ratio	Lower	Upper
99	100		
42	18.3	16.4	24.6
71	32.3	26.3	39.5

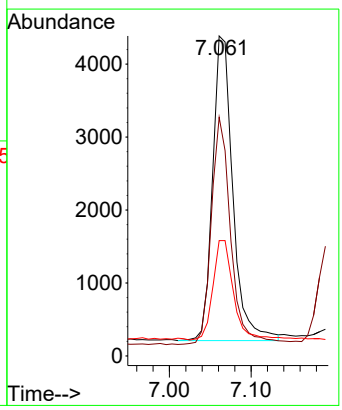


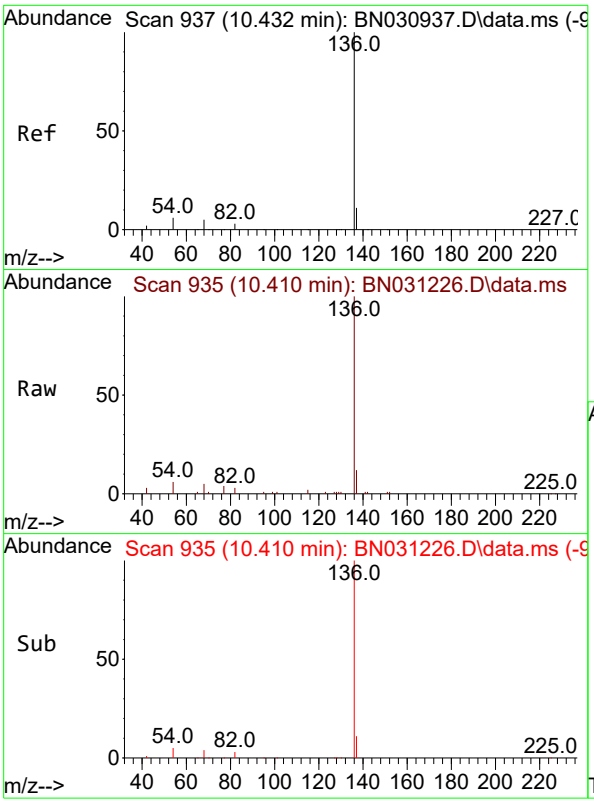


#6
bis(2-Chloroethyl)ether
Concen: 0.360 ng
RT: 7.061 min Scan# 565
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion: 93 Resp: 7179

Ion	Ratio	Lower	Upper
93	100		
63	71.9	61.8	92.8
95	33.5	27.4	41.0



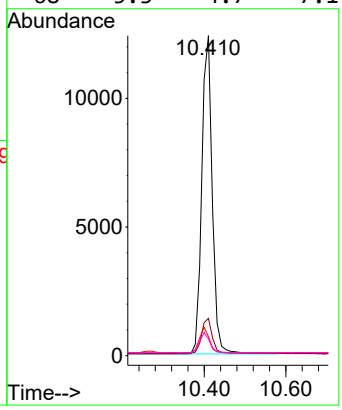


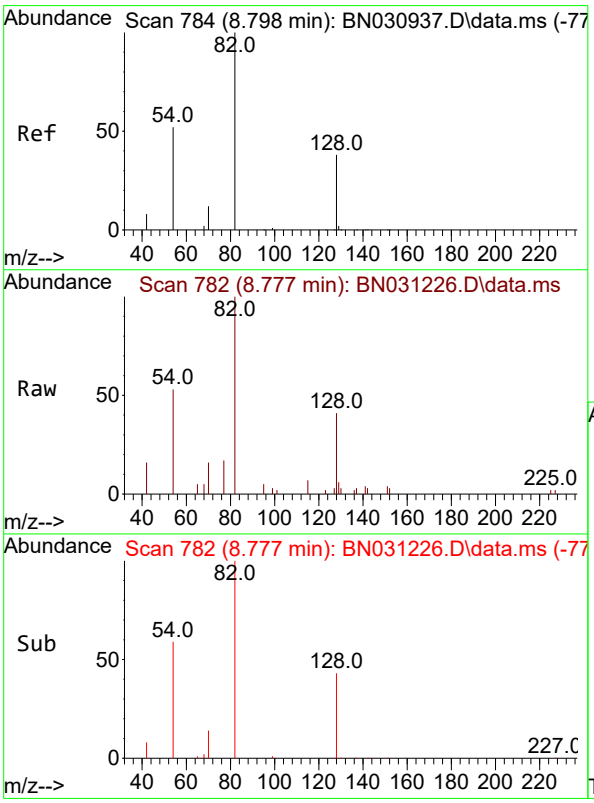
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:136 Resp: 22070

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	6.0	5.3	7.9
68	5.3	4.7	7.1

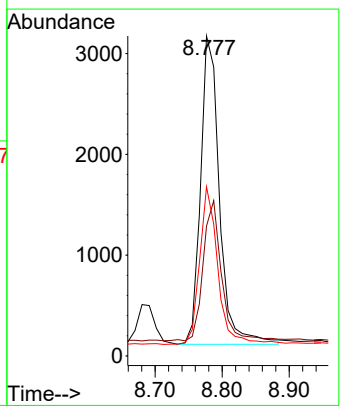


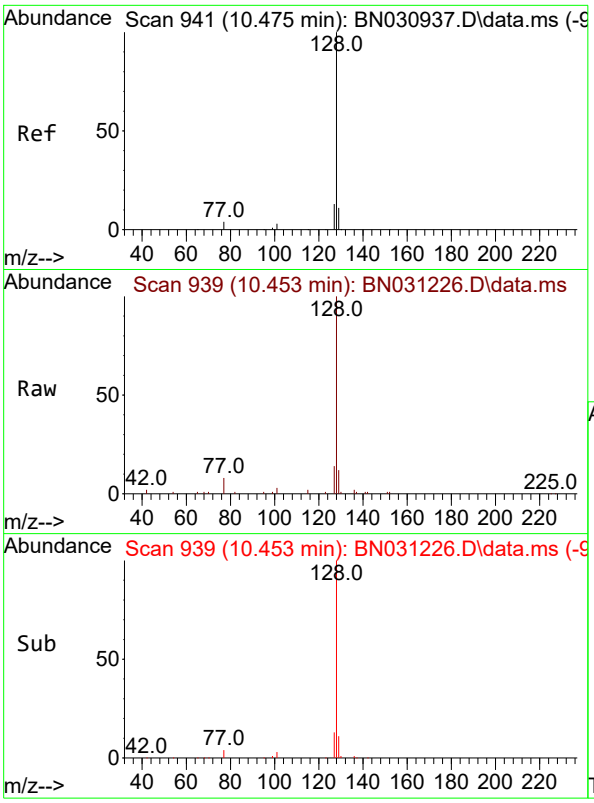


#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.777 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion: 82 Resp: 5968

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.7	50.5
54	52.9	43.7	65.5



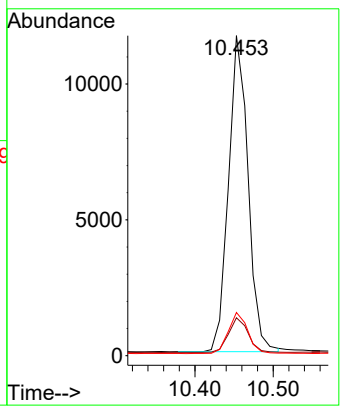


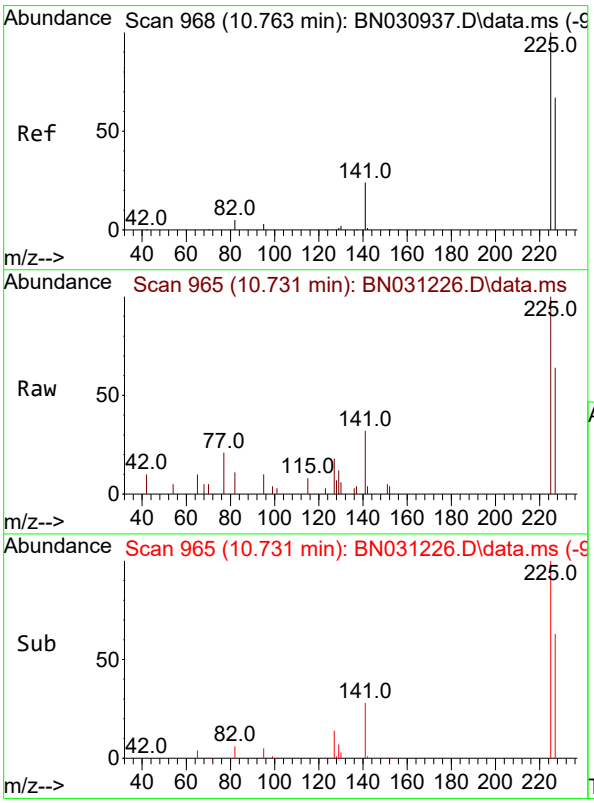
#9
Naphthalene
Concen: 0.333 ng
RT: 10.453 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:128 Resp: 20267

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.0
127	13.5	10.9	16.3

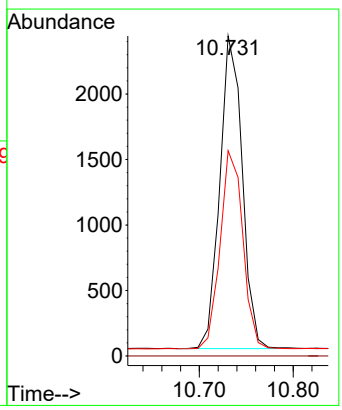


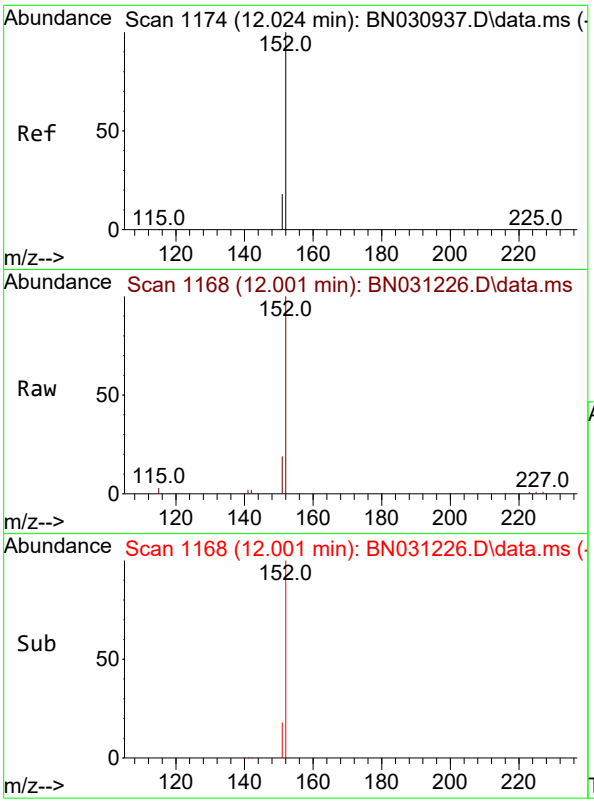


#10
Hexachlorobutadiene
Concen: 0.324 ng
RT: 10.731 min Scan# 965
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:225 Resp: 3958

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



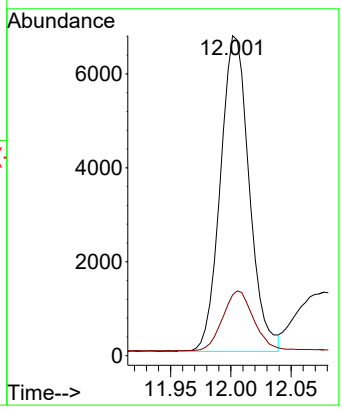


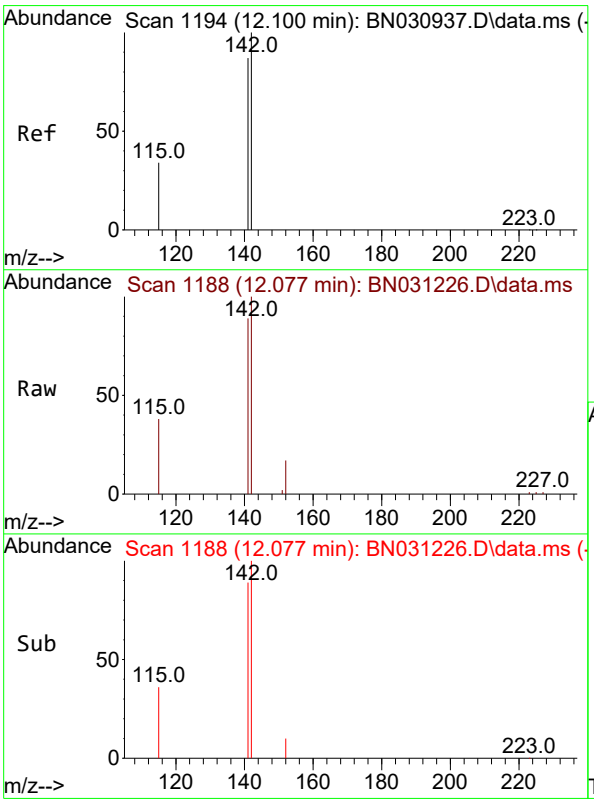
#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.001 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:152 Resp: 11189

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.7	25.1

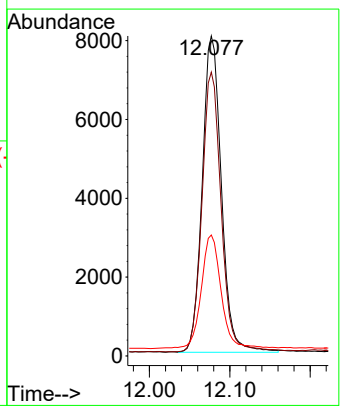


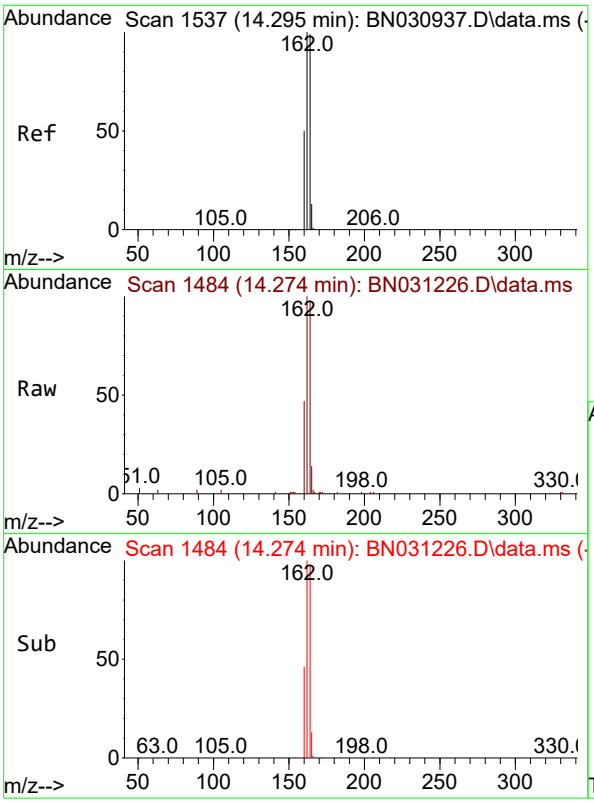


#12
2-Methylnaphthalene
Concen: 0.328 ng
RT: 12.077 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:142 Resp: 13275

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.8	104.8
115	37.8	28.3	42.5



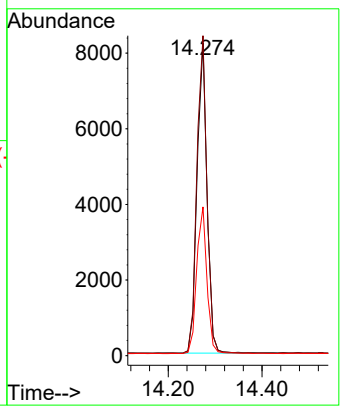


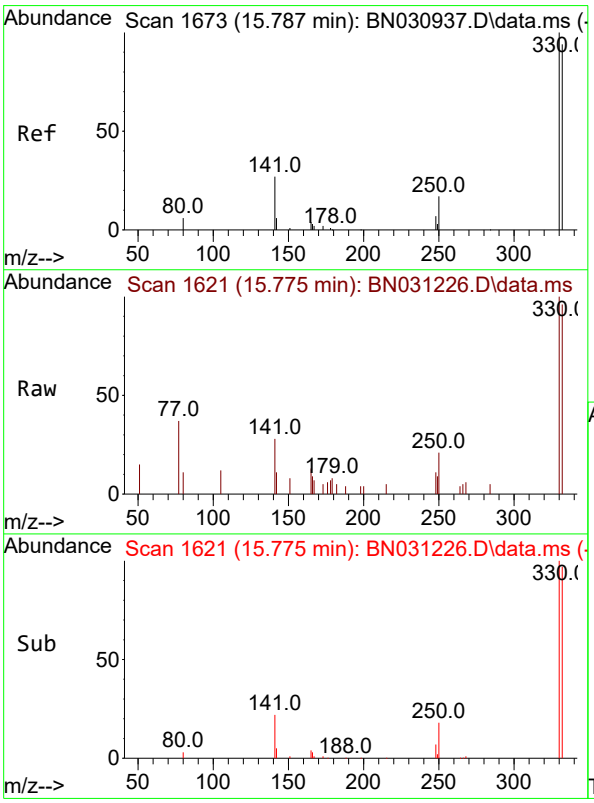
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.274 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:164 Resp: 12136

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	121.0
160	47.6	40.7	61.1

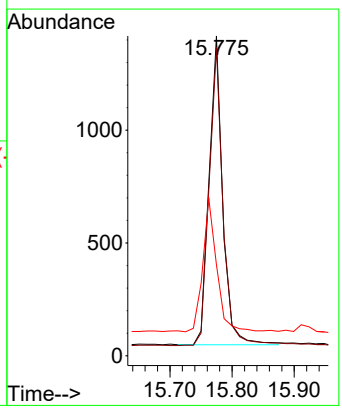


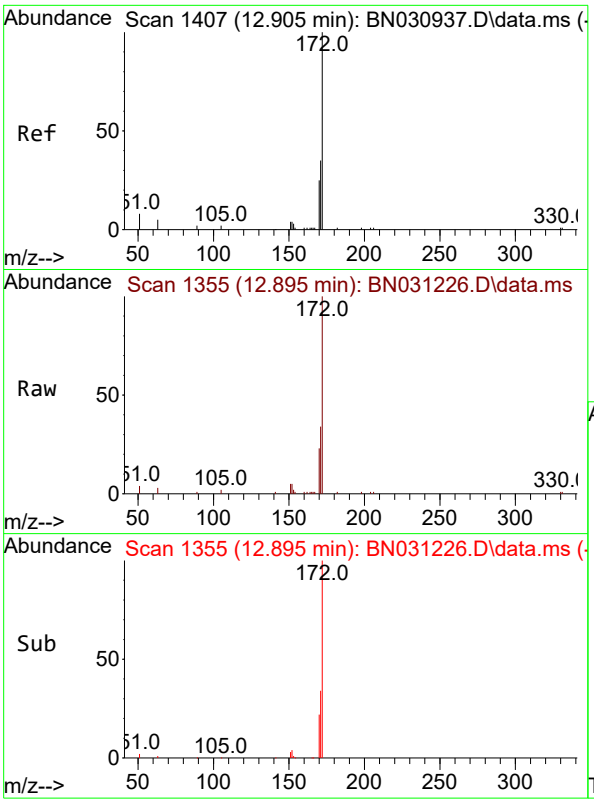


#14
2,4,6-Tribromophenol
Concen: 0.443 ng
RT: 15.775 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:330 Resp: 2088

Ion	Ratio	Lower	Upper
330	100		
332	97.6	74.2	111.2
141	42.8	37.2	55.8



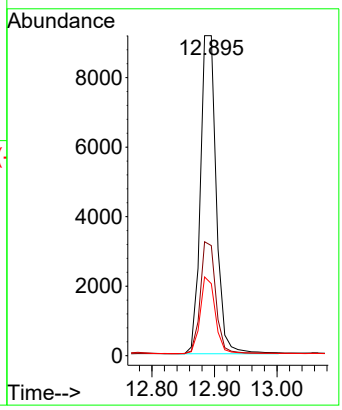


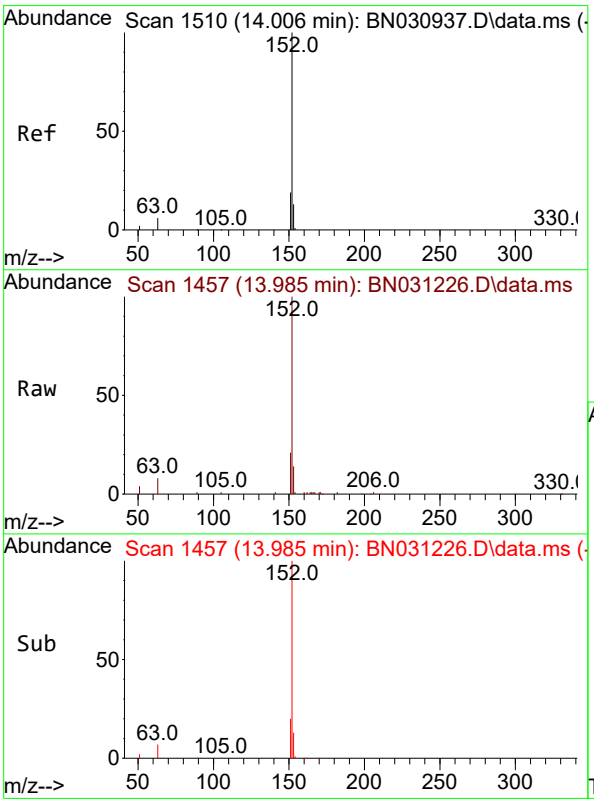
#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 12.895 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:172 Resp: 16134

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.3	42.5
170	22.5	19.8	29.8

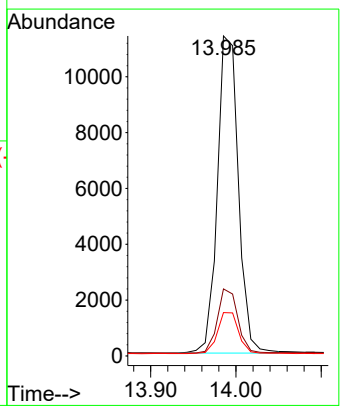


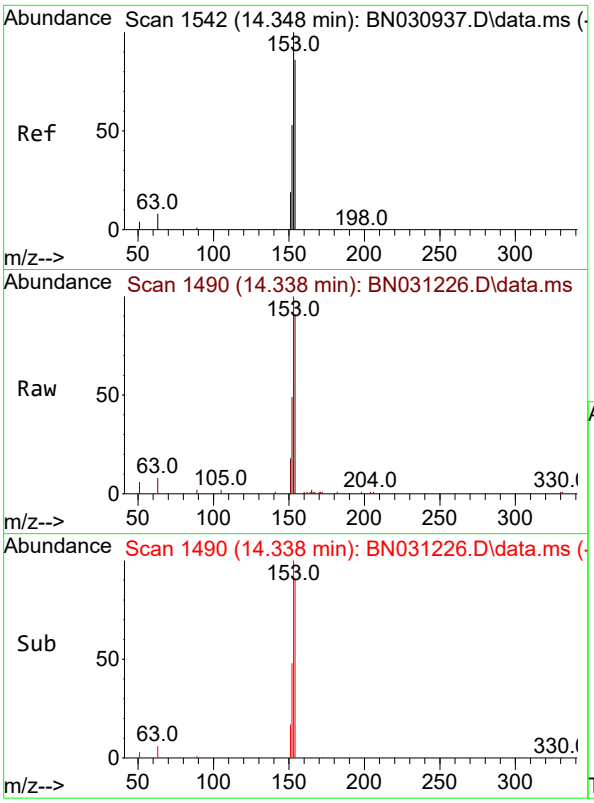


#16
Acenaphthylene
Concen: 0.364 ng
RT: 13.985 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:152 Resp: 19498

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.3	22.9
153	13.1	10.4	15.6



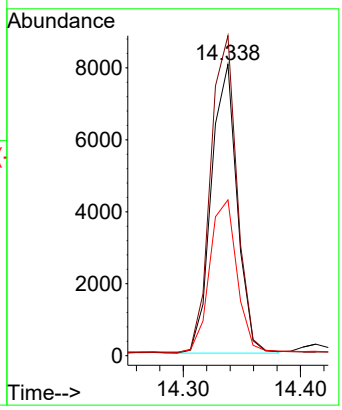


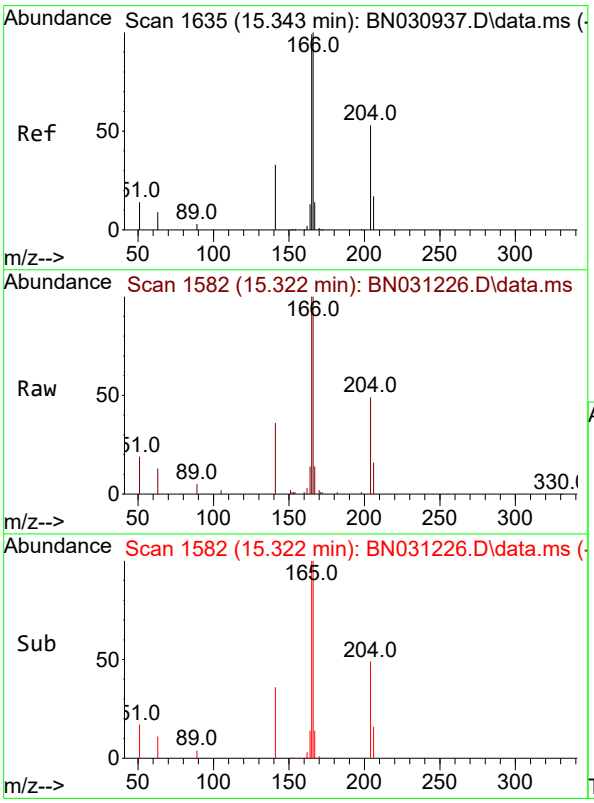
#17
Acenaphthene
Concen: 0.325 ng
RT: 14.338 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:154 Resp: 12253

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.1	136.7
152	55.4	47.6	71.4

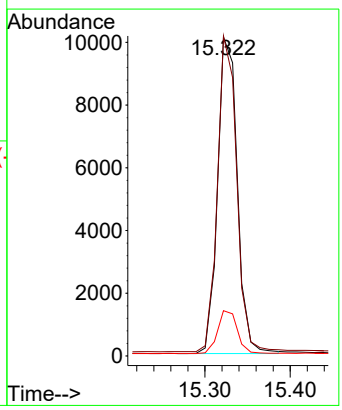


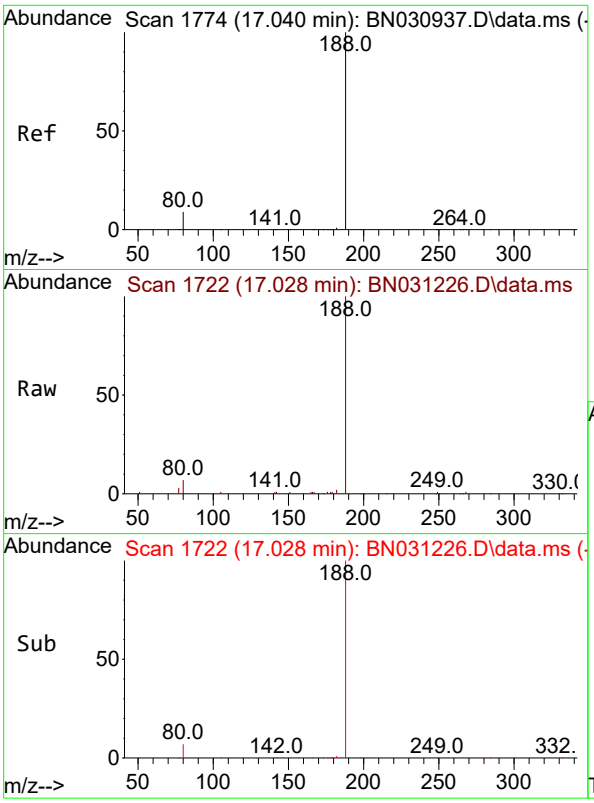


#18
Fluorene
Concen: 0.324 ng
RT: 15.322 min Scan# 1582
Delta R.T. -0.011 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:166 Resp: 16170

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	13.6	11.1	16.7



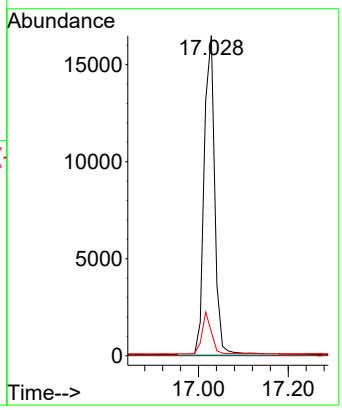


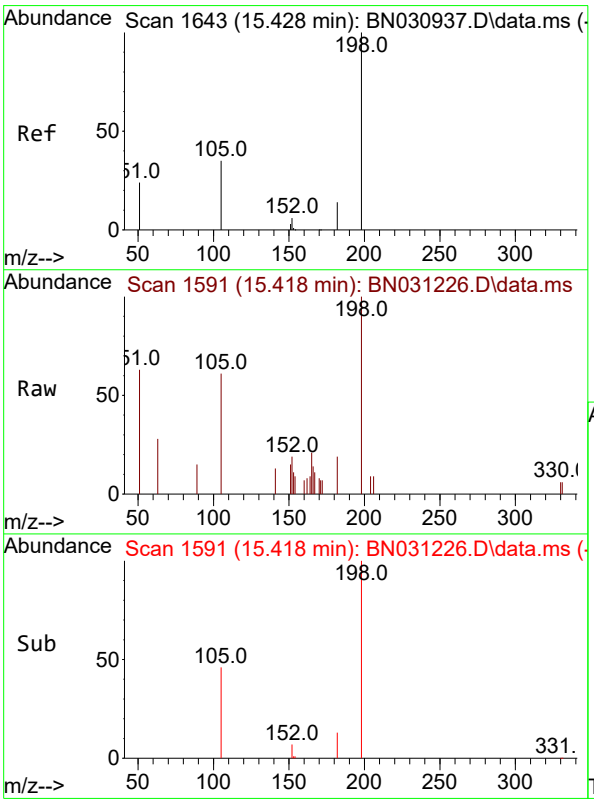
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.028 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:188 Resp: 26841

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.4	11.2

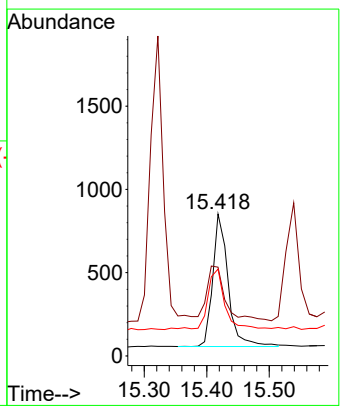


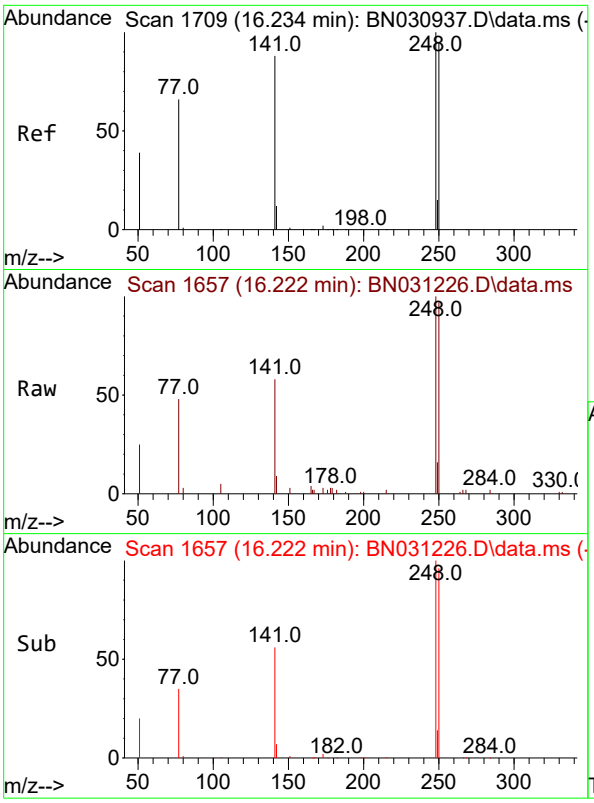


#20
4,6-Dinitro-2-methylphenol
Concen: 0.438 ng
RT: 15.418 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:198 Resp: 1368

Ion	Ratio	Lower	Upper
198	100		
51	62.6	65.2	97.8#
105	61.3	41.0	61.4



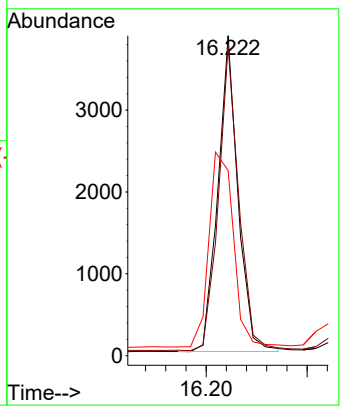


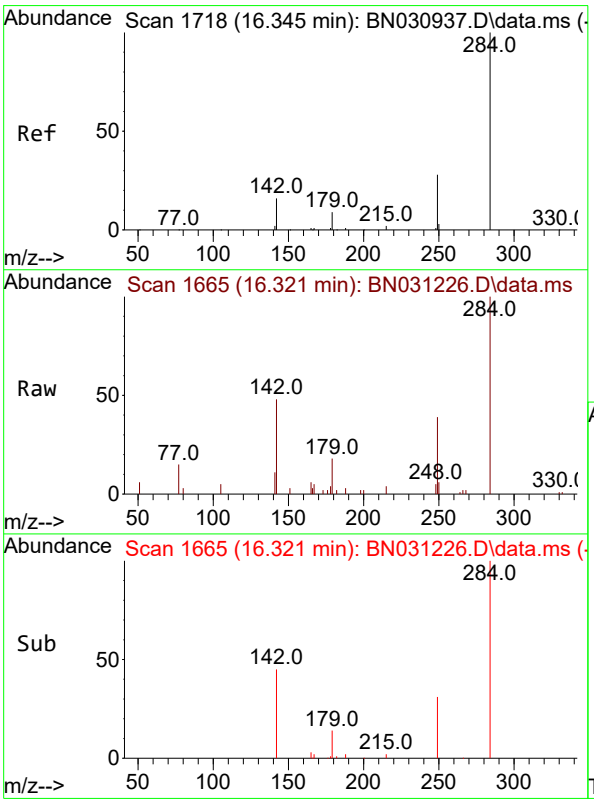
#21
4-Bromophenyl-phenylether
Concen: 0.333 ng
RT: 16.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:248 Resp: 5312

Ion	Ratio	Lower	Upper
248	100		
250	96.7	76.1	114.1
141	57.9	71.1	106.7#

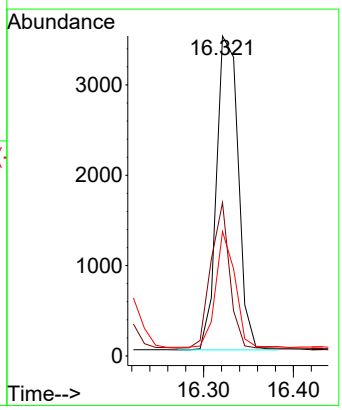


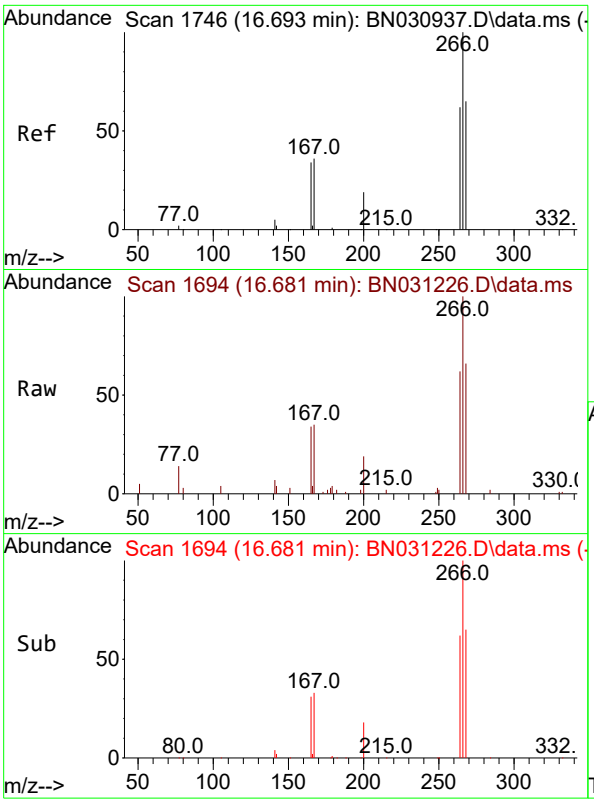


#22
Hexachlorobenzene
Concen: 0.314 ng
RT: 16.321 min Scan# 1665
Delta R.T. -0.013 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:284 Resp: 5846

Ion	Ratio	Lower	Upper
284	100		
142	39.8	33.0	49.4
249	32.7	25.5	38.3



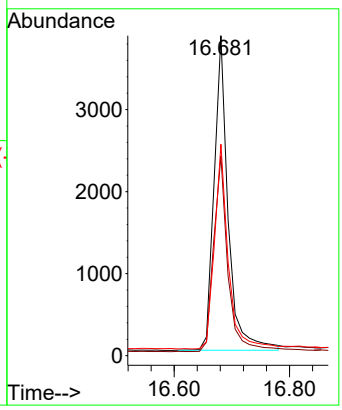


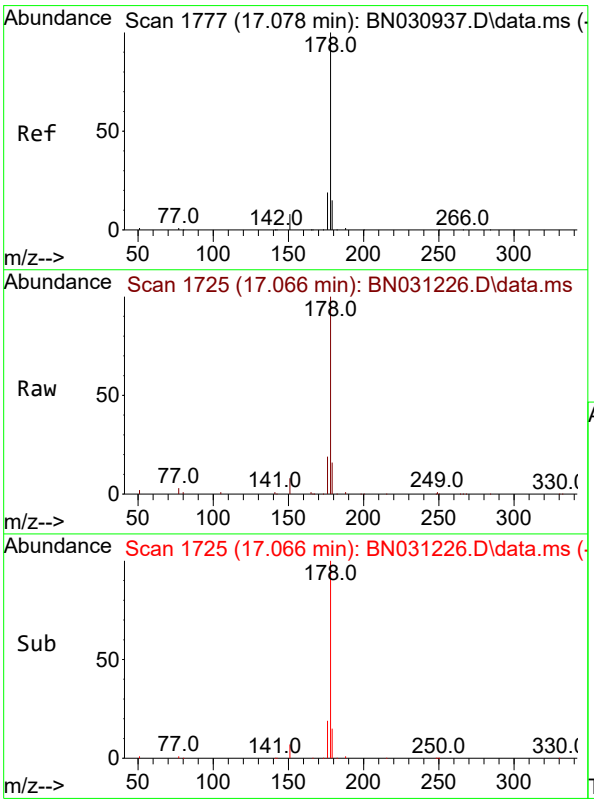
#24
Pentachlorophenol
Concen: 0.983 ng
RT: 16.681 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:266 Resp: 6472

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.2	75.2
268	64.0	52.3	78.5

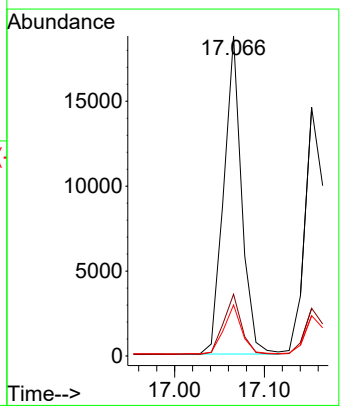


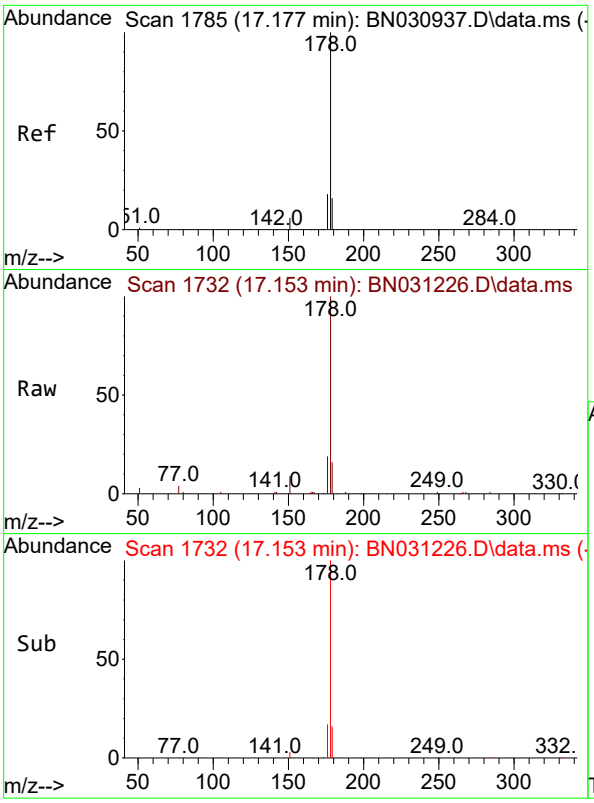


#25
Phenanthrene
Concen: 0.328 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:178 Resp: 25957

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.2	18.2



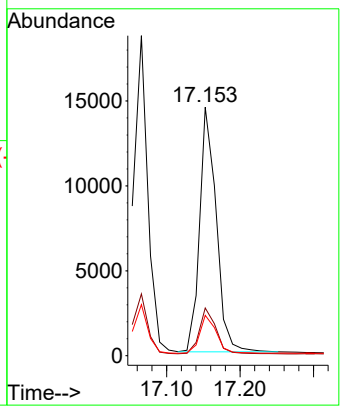


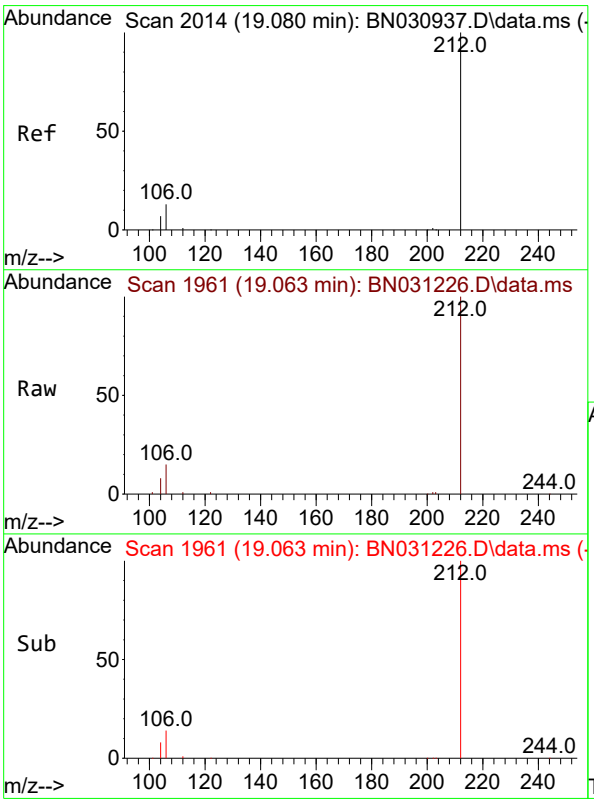
#26
Anthracene
Concen: 0.345 ng
RT: 17.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:178 Resp: 22596

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.5	12.3	18.5

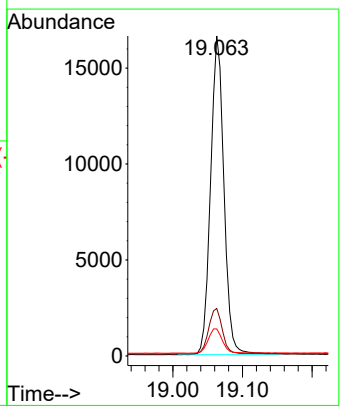


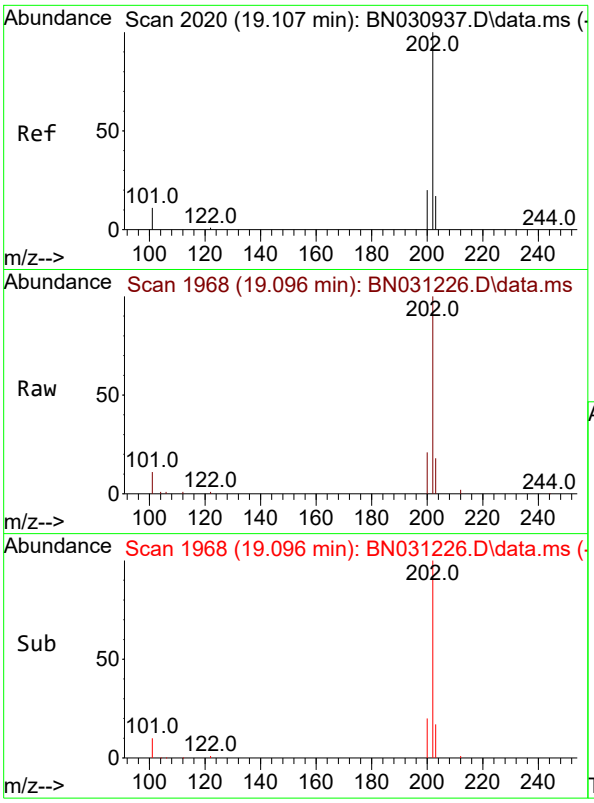


#27
Fluoranthene-d10
Concen: 0.307 ng
RT: 19.063 min Scan# 1961
Delta R.T. -0.005 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:212 Resp: 22162

Ion	Ratio	Lower	Upper
212	100		
106	14.7	12.0	18.0
104	8.1	6.7	10.1



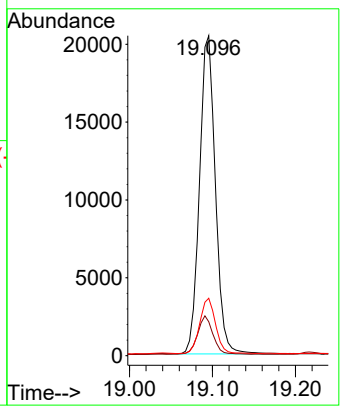


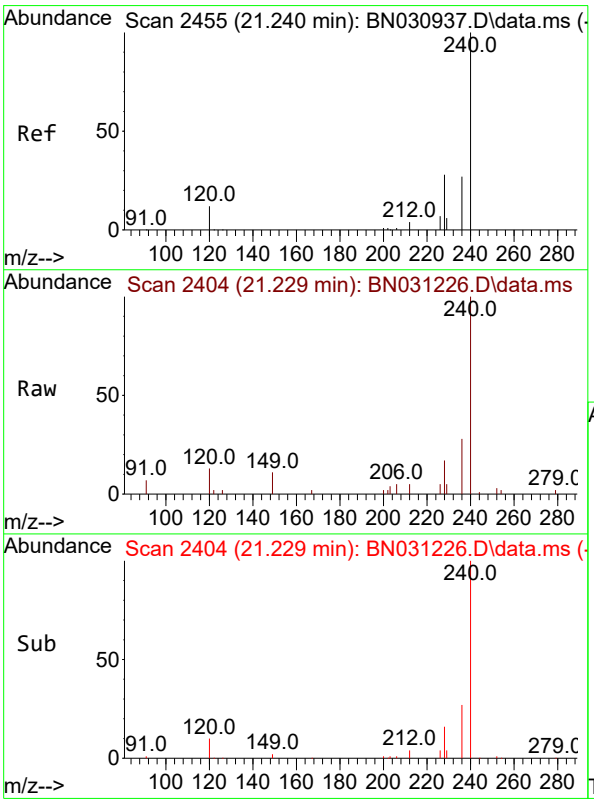
#28
Fluoranthene
Concen: 0.287 ng
RT: 19.096 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:202 Resp: 27314

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.4	14.2
203	17.1	13.8	20.8

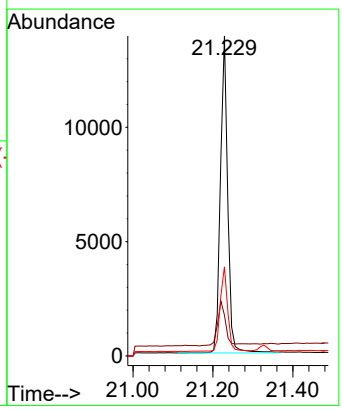


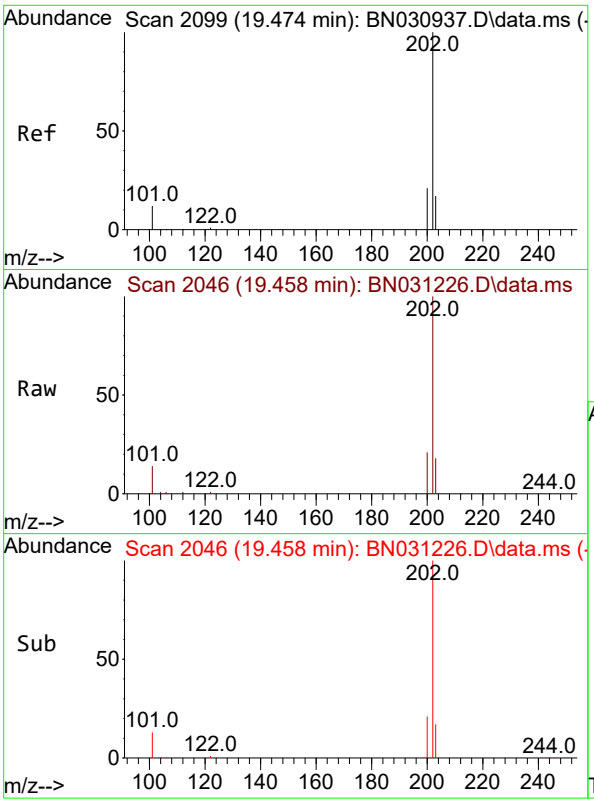


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.229 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:240 Resp: 17548

Ion	Ratio	Lower	Upper
240	100		
120	12.7	11.0	16.4
236	27.8	22.3	33.5



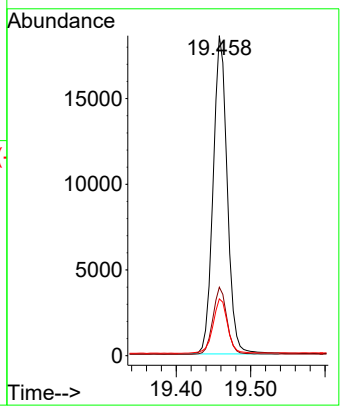


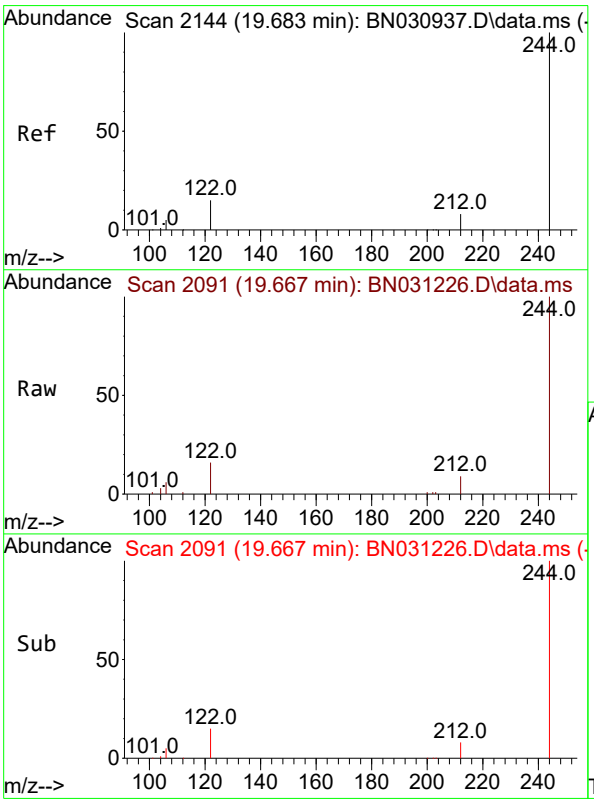
#30
Pyrene
Concen: 0.359 ng
RT: 19.458 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:202 Resp: 24473

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.7	14.3	21.5

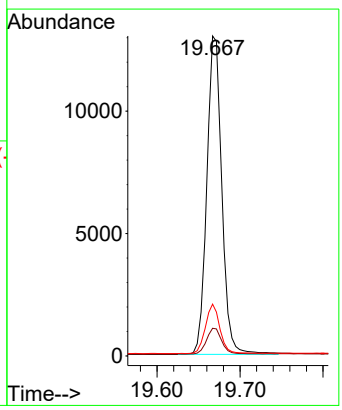


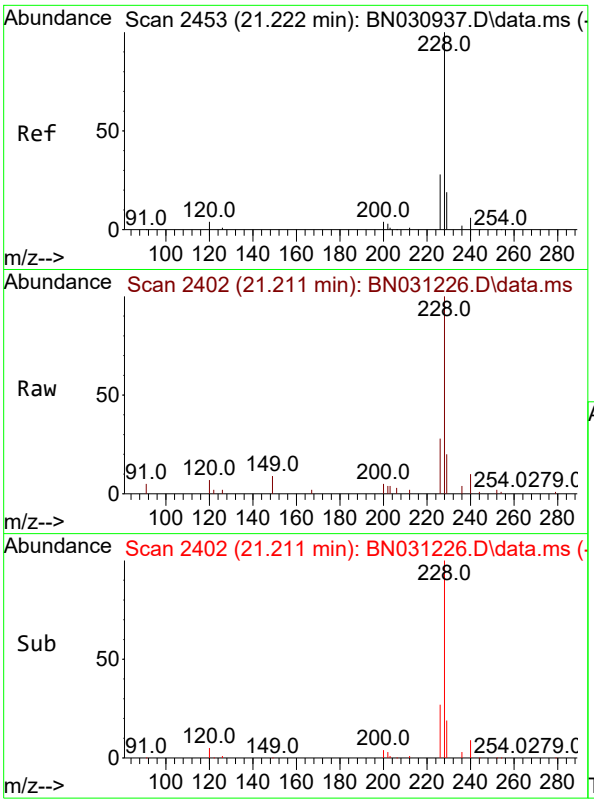


#31
Terphenyl-d14
Concen: 0.403 ng
RT: 19.667 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:244 Resp: 16406

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.2	10.8
122	16.2	12.7	19.1



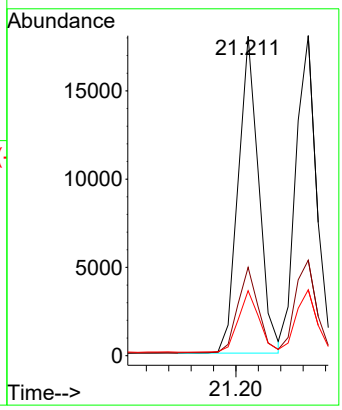


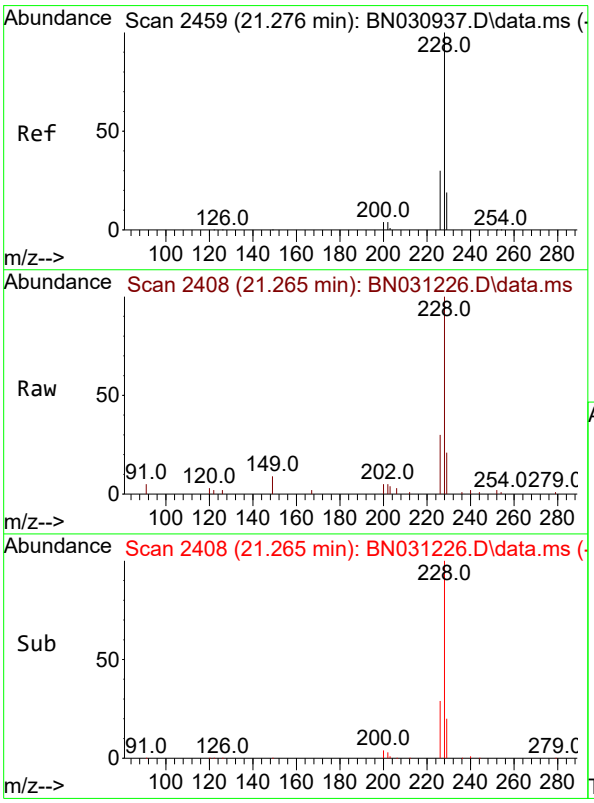
#32
Benzo(a)anthracene
Concen: 0.375 ng
RT: 21.211 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:228 Resp: 22903

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	20.4	15.7	23.5

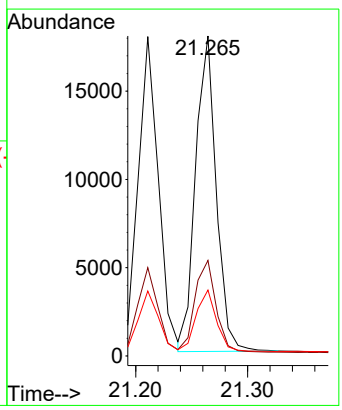


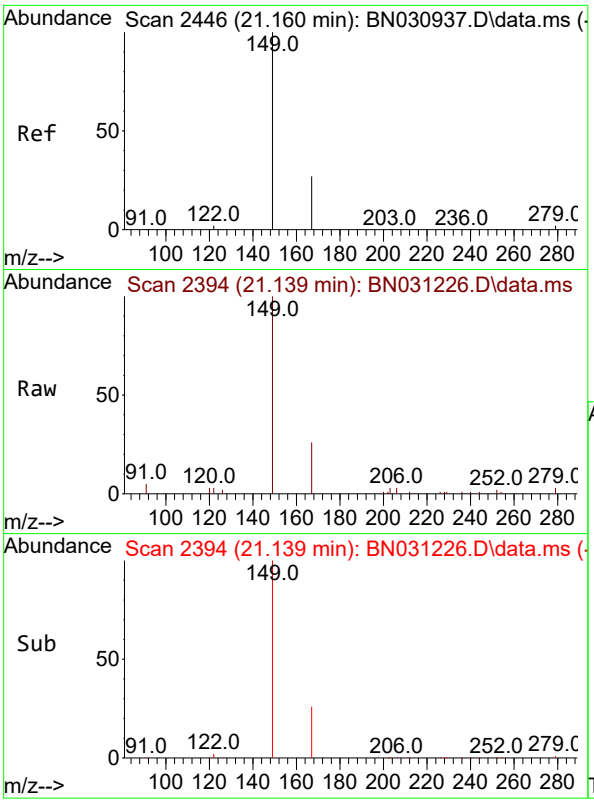


#33
Chrysene
Concen: 0.345 ng
RT: 21.265 min Scan# 2408
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:228 Resp: 22943

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	20.6	15.8	23.6



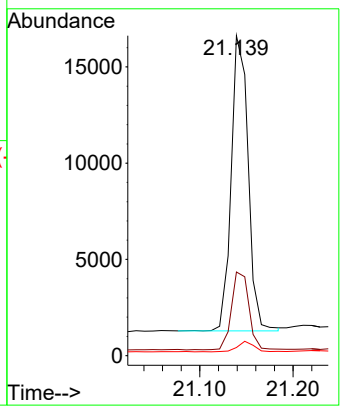


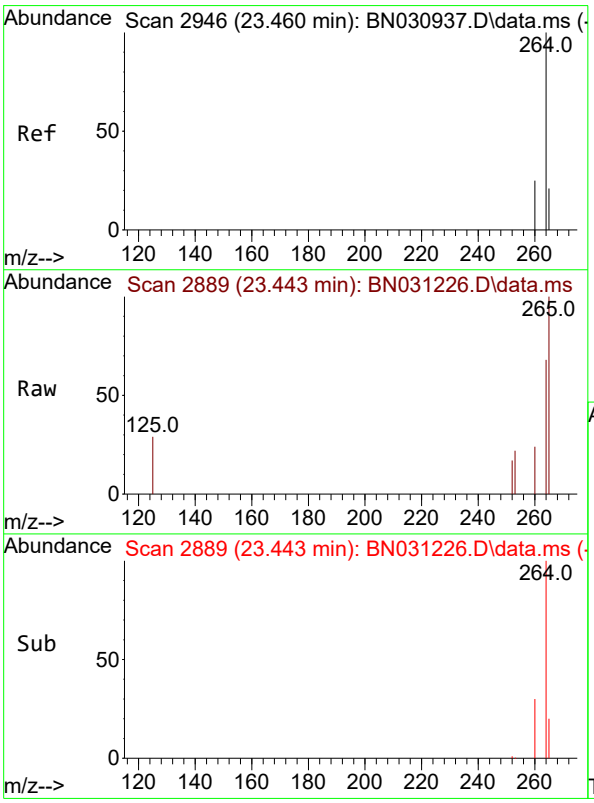
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.694 ng
RT: 21.139 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:149 Resp: 19434

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.0	31.4
279	3.6	2.9	4.3

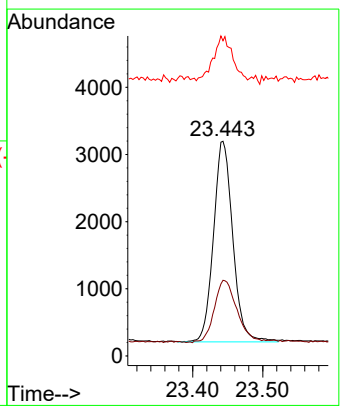


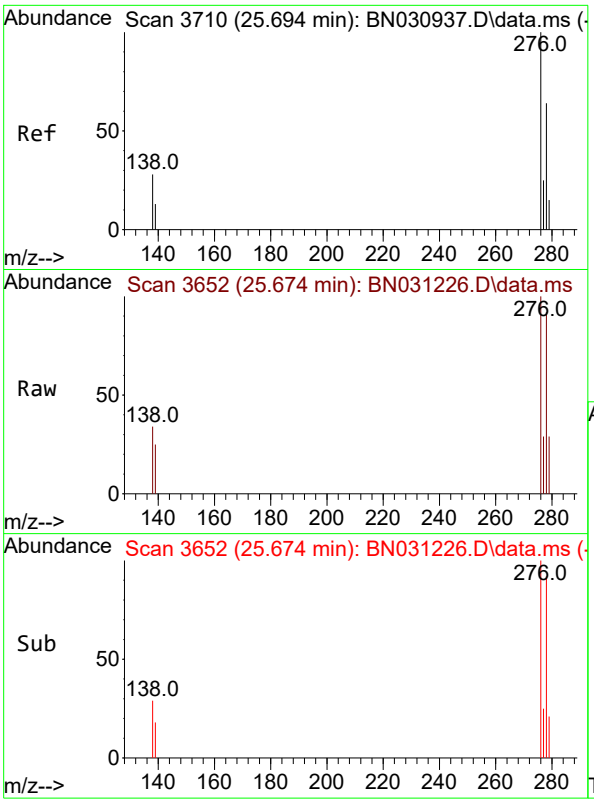


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.443 min Scan# 2889
Delta R.T. -0.012 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:264 Resp: 5721

Ion	Ratio	Lower	Upper
264	100		
260	35.2	20.6	31.0#
265	146.7	53.3	79.9#



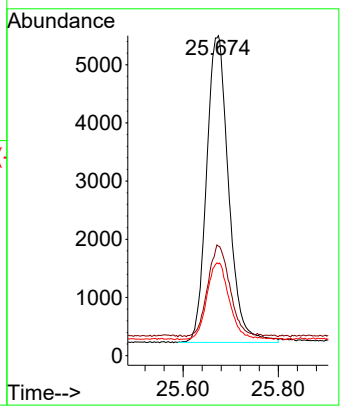


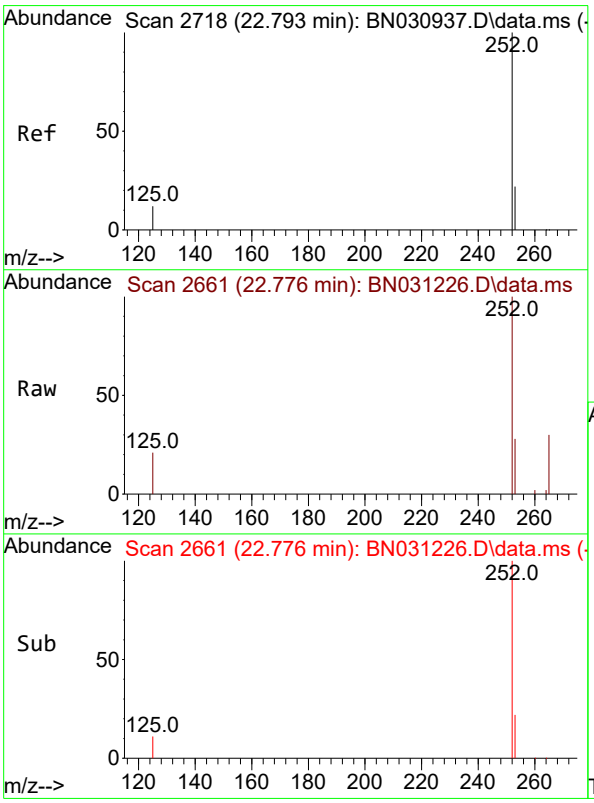
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.638 ng
RT: 25.674 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:276 Resp: 16968

Ion	Ratio	Lower	Upper
276	100		
138	29.9	23.1	34.7
277	25.3	19.9	29.9

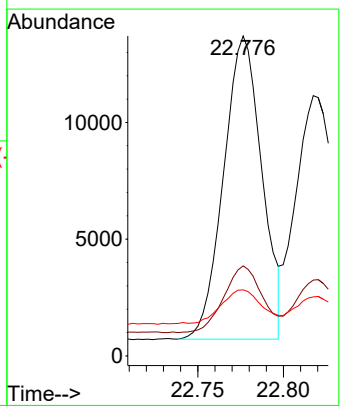


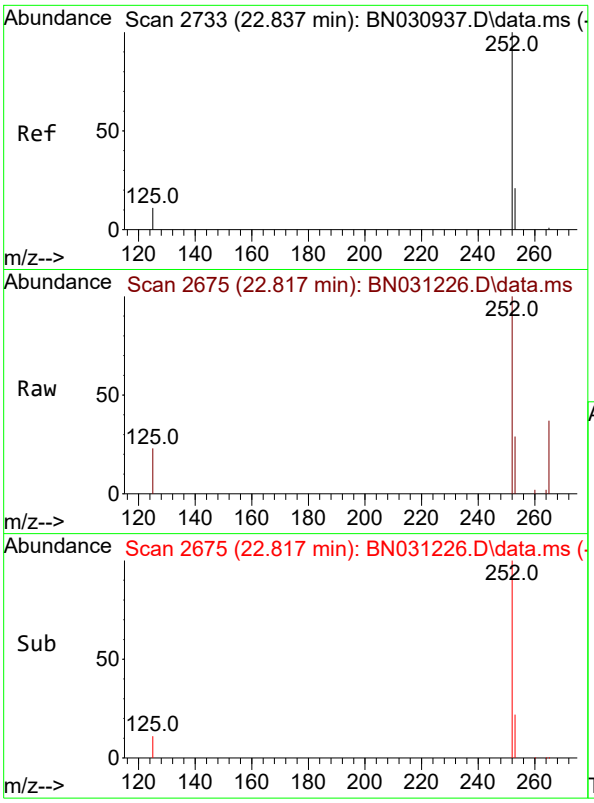


#37
Benzo(b)fluoranthene
Concen: 0.852 ng
RT: 22.776 min Scan# 2661
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:252 Resp: 20123

Ion	Ratio	Lower	Upper
252	100		
253	28.1	20.2	30.2
125	20.6	13.4	20.2#



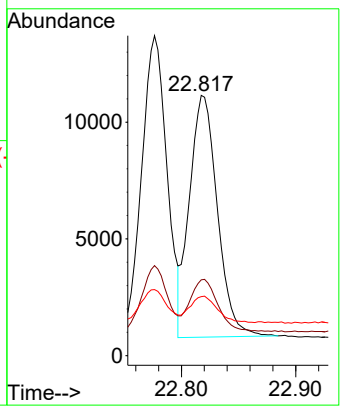


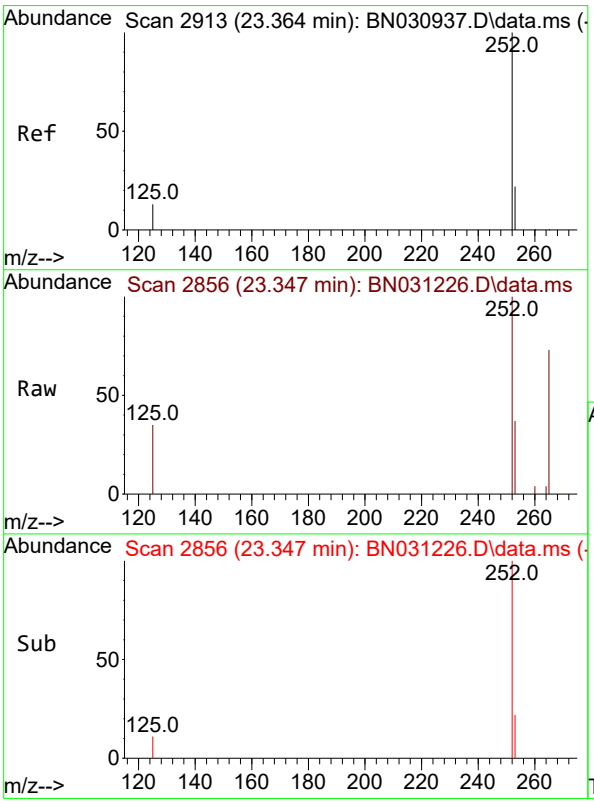
#38
Benzo(k)fluoranthene
Concen: 0.762 ng
RT: 22.817 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:252 Resp: 17622

Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.9	29.9
125	22.7	13.2	19.8#

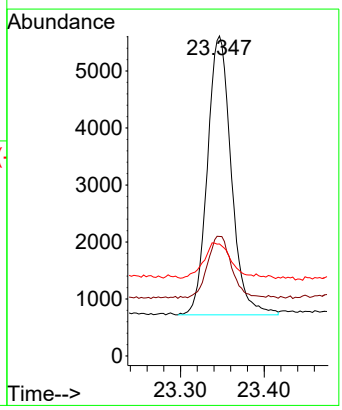


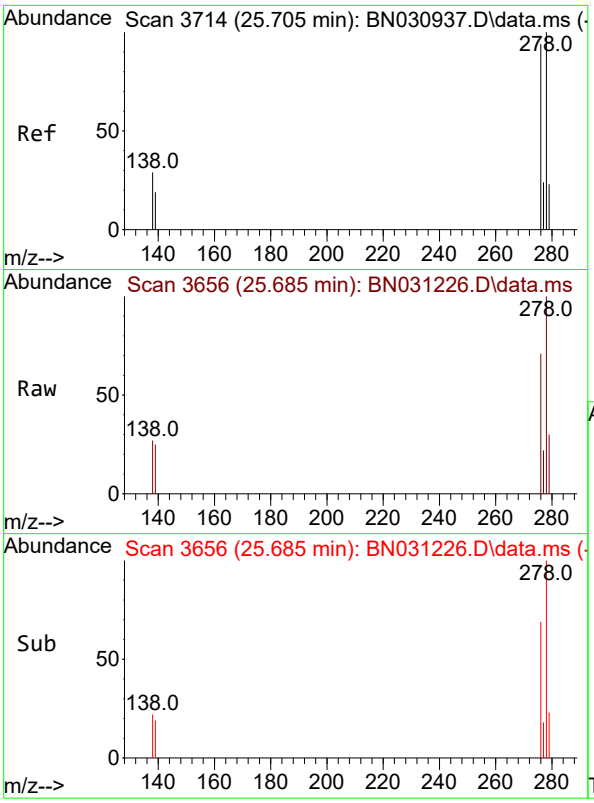


#39
Benzo(a)pyrene
Concen: 0.493 ng
RT: 23.347 min Scan# 2856
Delta R.T. -0.009 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:252 Resp: 9690

Ion	Ratio	Lower	Upper
252	100		
253	37.3	21.4	32.2#
125	35.0	16.6	25.0#



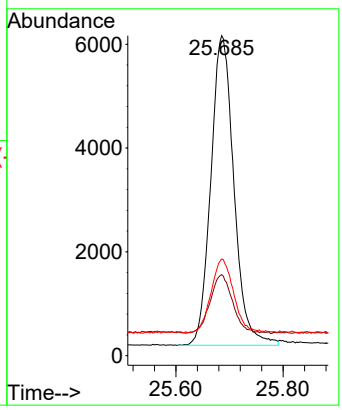


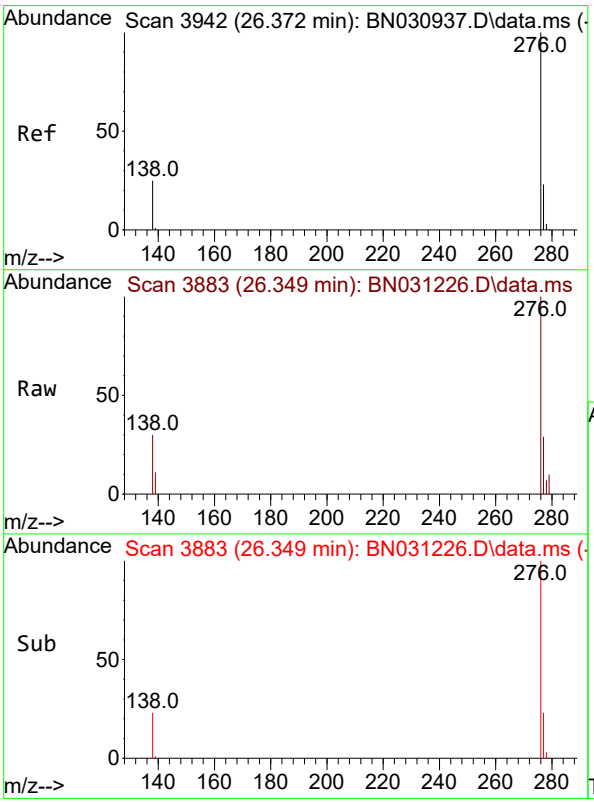
#40
Dibenzo(a,h)anthracene
Concen: 0.839 ng
RT: 25.685 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Instrument :
BNA_N
ClientSampleId :
PB160394BS

Tgt Ion:278 Resp: 17868

Ion	Ratio	Lower	Upper
278	100		
139	25.3	16.3	24.5#
279	30.3	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.547 ng
RT: 26.349 min Scan# 3883
Delta R.T. -0.024 min
Lab File: BN031226.D
Acq: 25 Apr 2024 18:55

Tgt Ion:276 Resp: 12830

Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.4	29.2
138	29.7	21.0	31.4