Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030383.D
Acq On : 13 Mar 2024 15:45
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Mar 14 11:19:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration

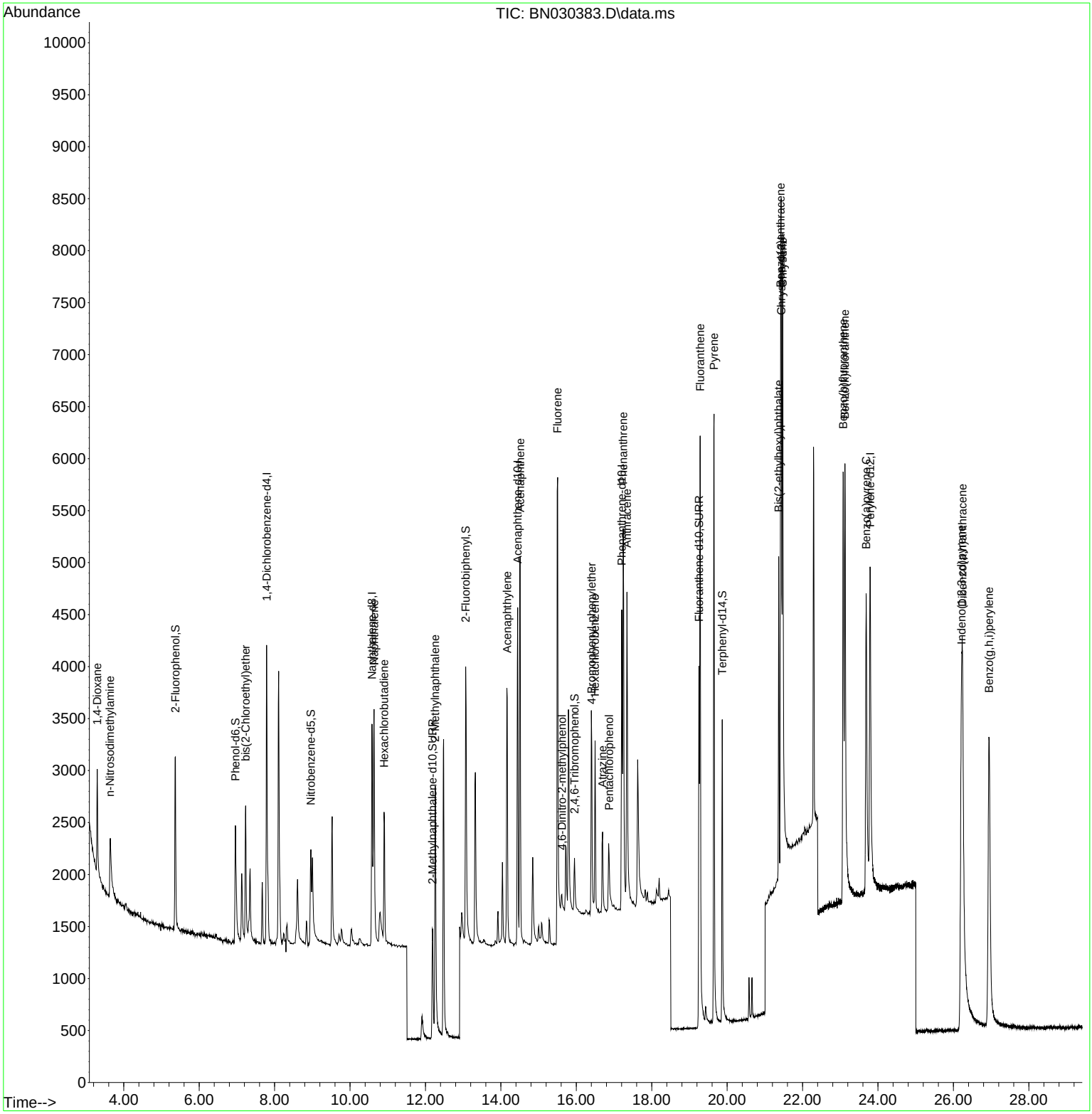
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.789	152	1486	0.400	ng		0.00
7) Naphthalene-d8	10.583	136	3405	0.400	ng		0.00
13) Acenaphthene-d10	14.447	164	2077	0.400	ng		0.00
19) Phenanthrene-d10	17.206	188	4629	0.400	ng		0.00
29) Chrysene-d12	21.438	240	4493	0.400	ng		0.00
35) Perylene-d12	23.794	264	5329	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.370	112	1508	0.390	ng		0.00
5) Phenol-d6	6.959	99	1405	0.373	ng		0.00
8) Nitrobenzene-d5	8.960	82	1128	0.361	ng		0.00
11) 2-Methylnaphthalene-d10	12.185	152	2027	0.383	ng		0.00
14) 2,4,6-Tribromophenol	15.952	330	427	0.353	ng		0.00
15) 2-Fluorobiphenyl	13.068	172	3069	0.367	ng		0.00
27) Fluoranthene-d10	19.252	212	5053	0.376	ng		0.00
31) Terphenyl-d14	19.870	244	3803	0.373	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	782	0.379	ng		99
3) n-Nitrosodimethylamine	3.636	42	653	0.345	ng		100
6) bis(2-Chloroethyl)ether	7.233	93	1114	0.368	ng		100
9) Naphthalene	10.637	128	3462	0.380	ng		100
10) Hexachlorobutadiene	10.904	225	1099	0.390	ng	#	100
12) 2-Methylnaphthalene	12.261	142	2262	0.386	ng		100
16) Acenaphthylene	14.169	152	3298	0.363	ng		100
17) Acenaphthene	14.511	154	2228	0.374	ng		100
18) Fluorene	15.505	166	2710	0.367	ng		100
20) 4,6-Dinitro-2-methylph...	15.617	198	264	0.406	ng		100
21) 4-Bromophenyl-phenylether	16.411	248	1009	0.369	ng		100
22) Hexachlorobenzene	16.498	284	1218	0.373	ng		100
23) Atrazine	16.697	200	913	0.371	ng		100
24) Pentachlorophenol	16.870	266	579	0.339	ng		99
25) Phenanthrene	17.243	178	4535	0.368	ng		100
26) Anthracene	17.342	178	4208	0.373	ng		100
28) Fluoranthene	19.285	202	6110	0.368	ng		100
30) Pyrene	19.652	202	6463	0.385	ng		100
32) Benzo(a)anthracene	21.420	228	5403	0.362	ng		100
33) Chrysene	21.474	228	6354	0.386	ng		100
34) Bis(2-ethylhexyl)phtha...	21.366	149	2869	0.368	ng		100
36) Indeno(1,2,3-cd)pyrene	26.212	276	8406	0.370	ng		100
37) Benzo(b)fluoranthene	23.078	252	6311	0.363	ng		100
38) Benzo(k)fluoranthene	23.125	252	6438	0.366	ng		100
39) Benzo(a)pyrene	23.686	252	6054	0.375	ng		100
40) Dibenzo(a,h)anthracene	26.241	278	6712	0.374	ng		100
41) Benzo(g,h,i)perylene	26.943	276	7954	0.376	ng		100

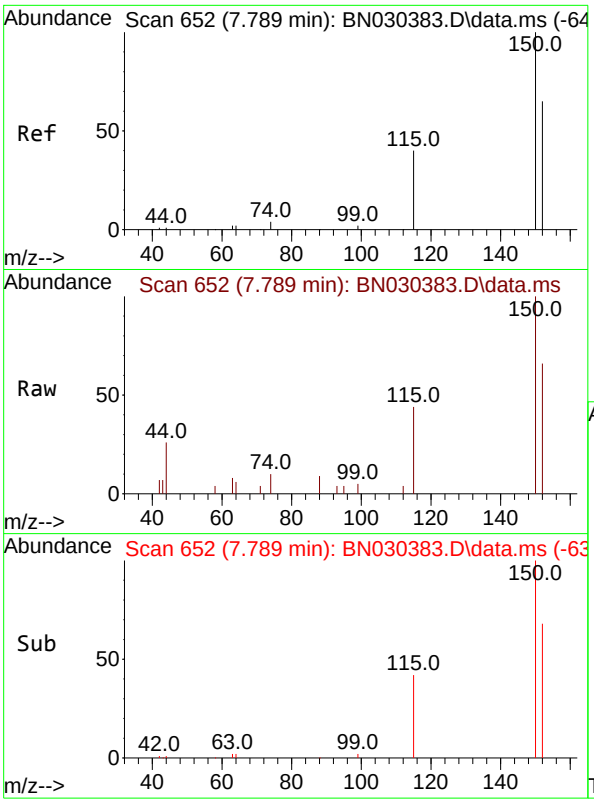
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030383.D
Acq On : 13 Mar 2024 15:45
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Mar 14 11:19:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration



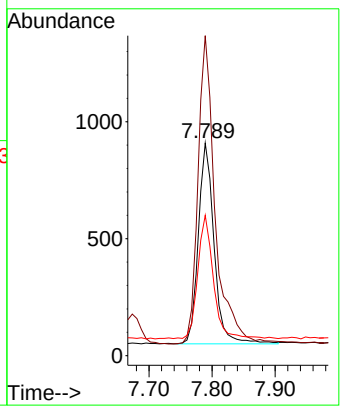


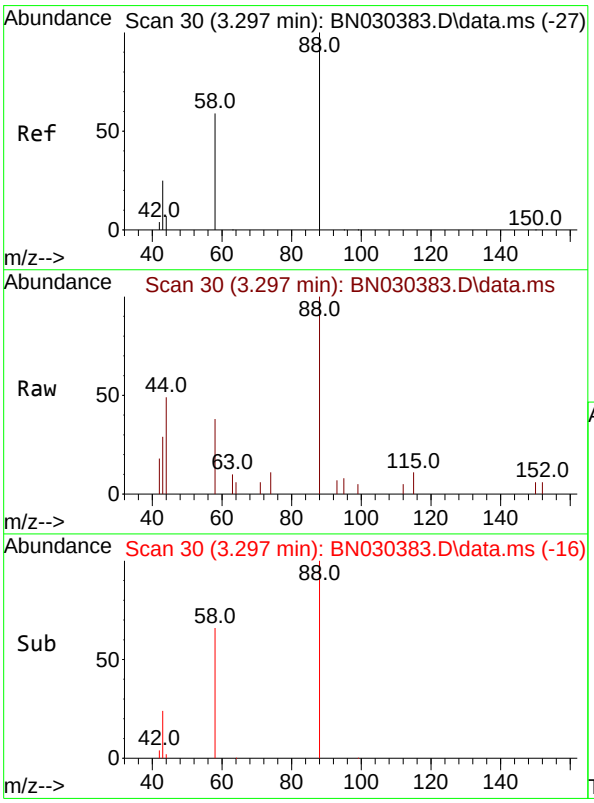
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1486

Ion	Ratio	Lower	Upper
152	100		
150	150.5	120.4	180.6
115	66.0	52.8	79.2

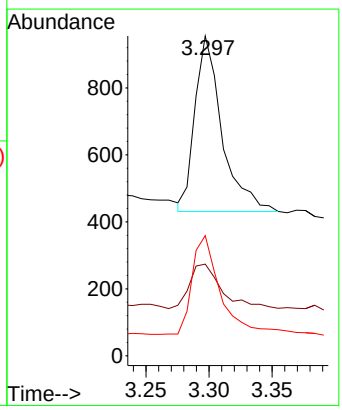


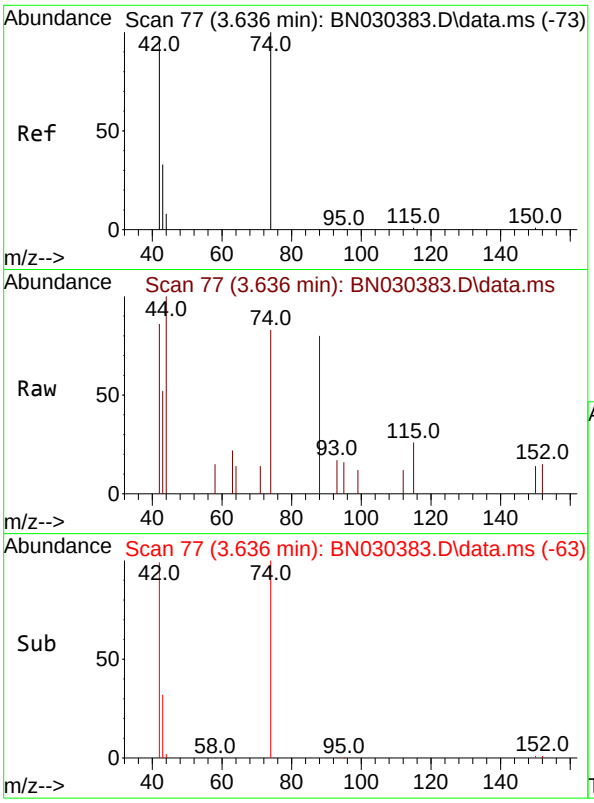


#2
1,4-Dioxane
Concen: 0.379 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion: 88 Resp: 782

Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.4	35.0
58	58.4	46.1	69.1



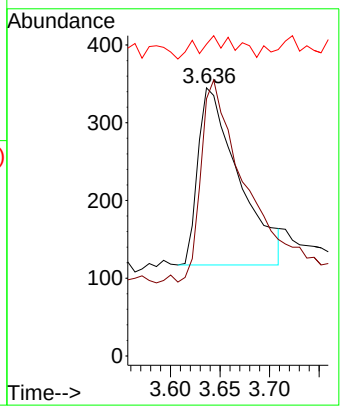


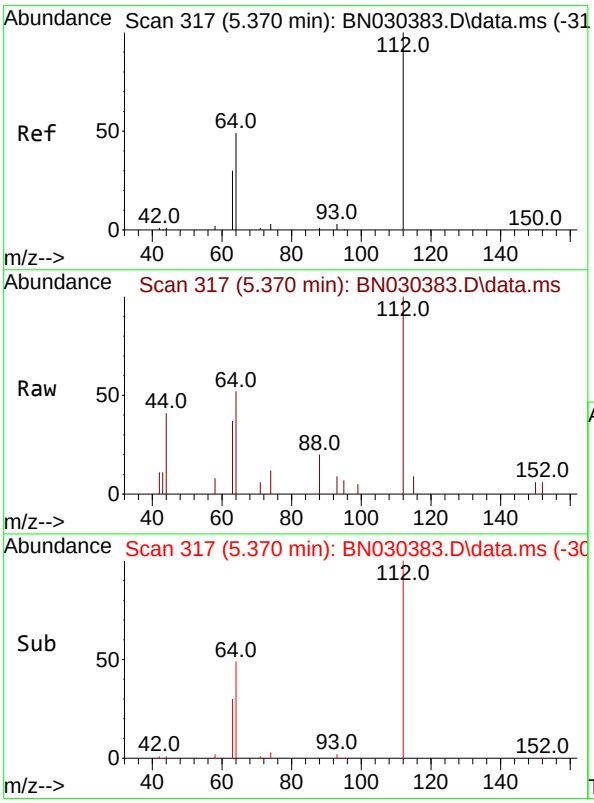
#3
n-Nitrosodimethylamine
Concen: 0.345 ng
RT: 3.636 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 653

Ion	Ratio	Lower	Upper
42	100		
74	119.4	95.4	143.0
44	8.4	6.6	10.0

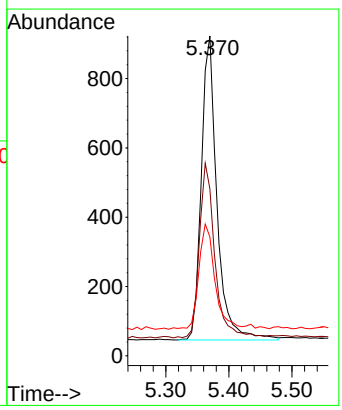


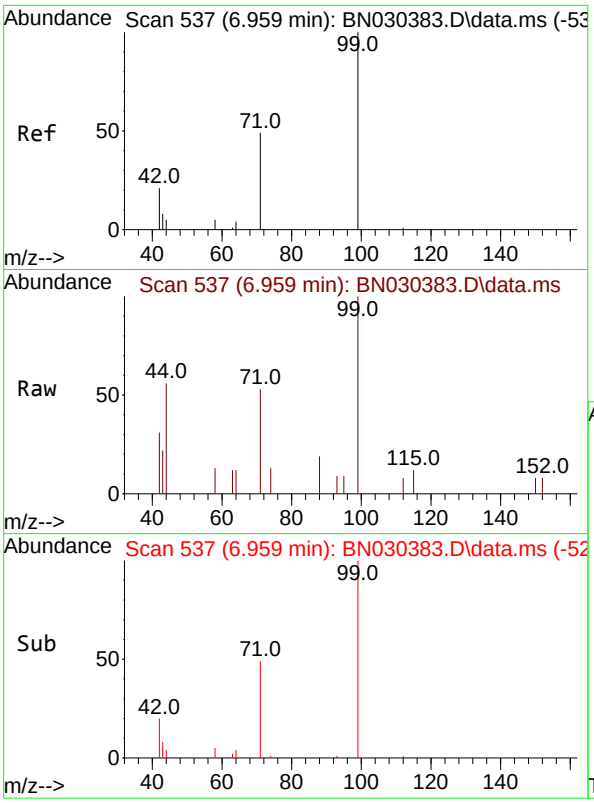


#4
2-Fluorophenol
Concen: 0.390 ng
RT: 5.370 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:112 Resp: 1508

Ion	Ratio	Lower	Upper
112	100		
64	57.0	45.6	68.4
63	35.3	28.2	42.4



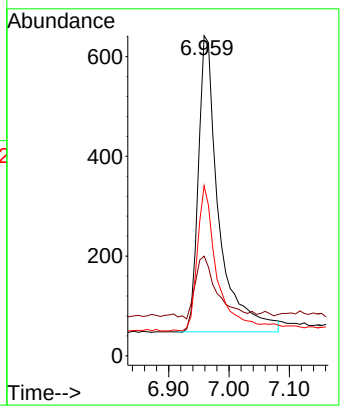


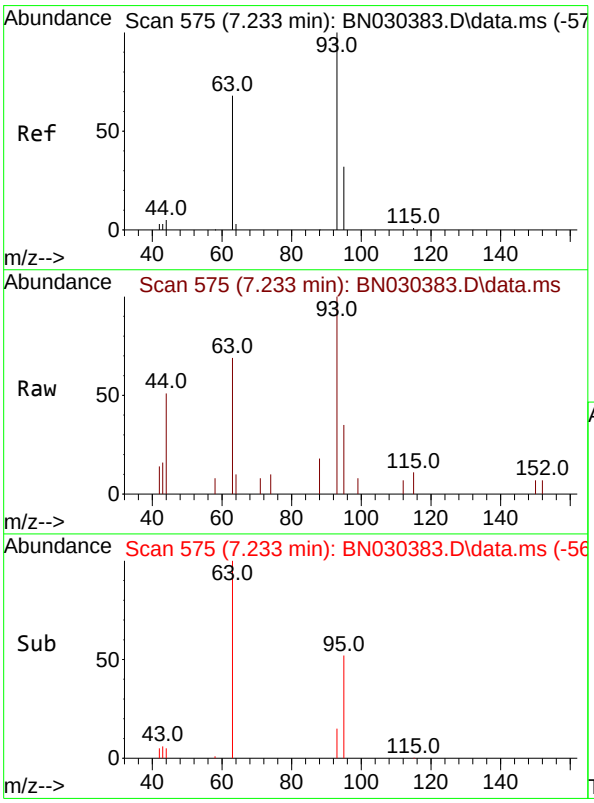
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.959 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1405

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	46.3	37.0	55.6

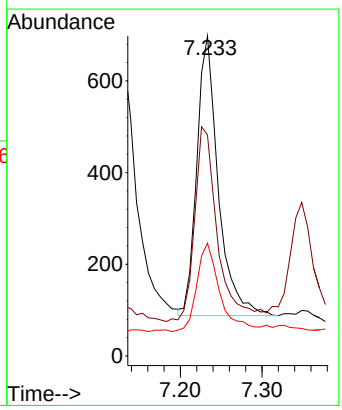


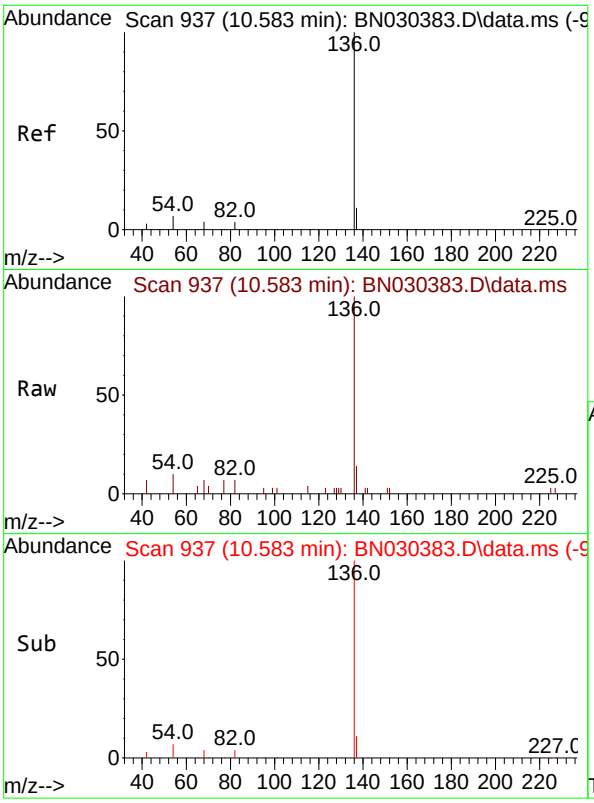


#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.233 min Scan# 575
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion: 93 Resp: 1114

Ion	Ratio	Lower	Upper
93	100		
63	73.6	58.9	88.3
95	34.1	27.3	40.9



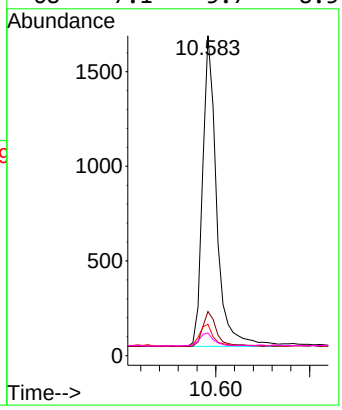


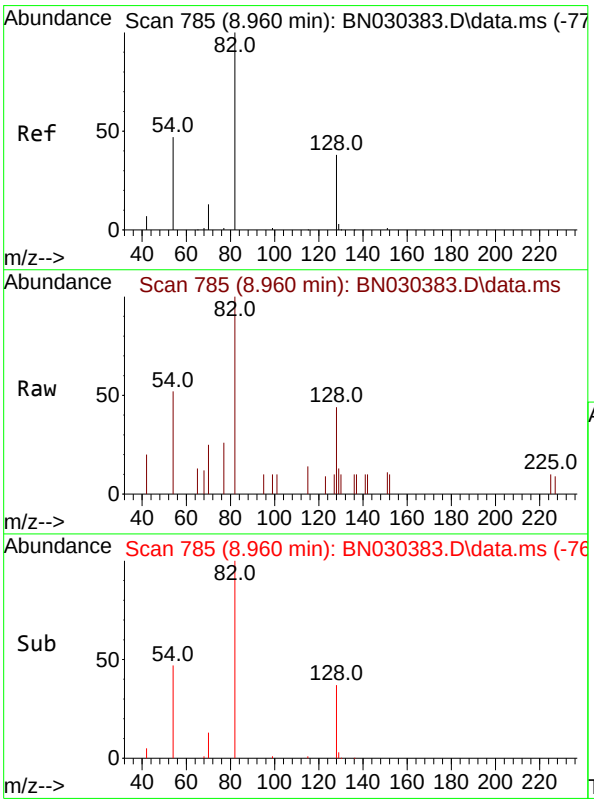
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 3405

Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.0	16.6
54	9.8	7.8	11.8
68	7.1	5.7	8.5

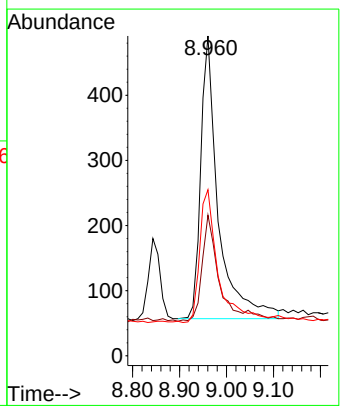


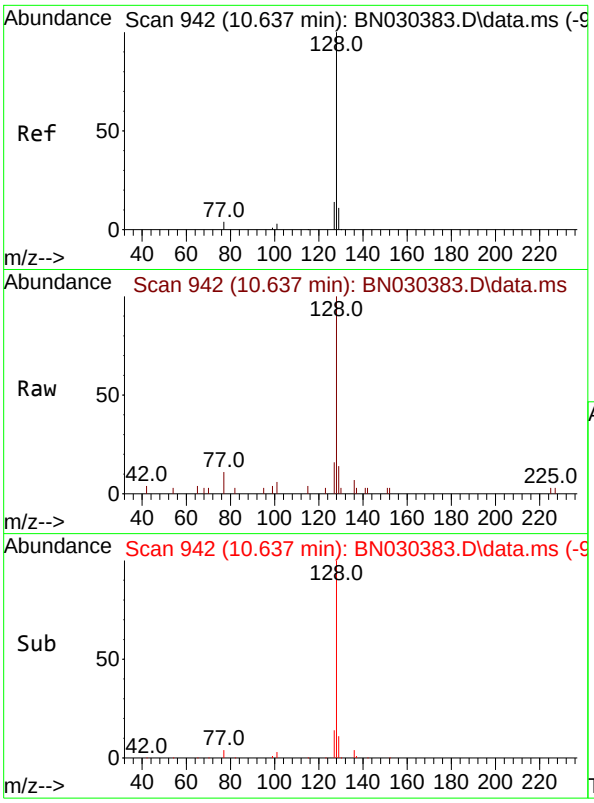


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.960 min Scan# 785
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion: 82 Resp: 1128

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.2	52.8
54	51.9	41.5	62.3



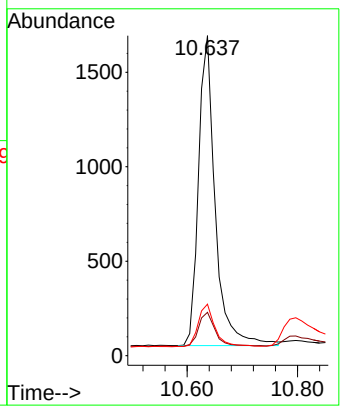


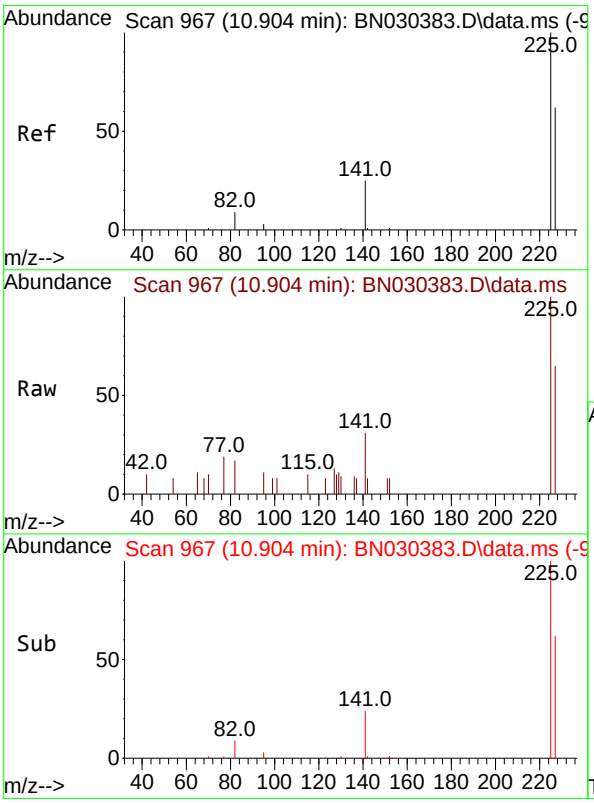
#9
Naphthalene
Concen: 0.380 ng
RT: 10.637 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 3462

Ion	Ratio	Lower	Upper
128	100		
129	13.5	10.8	16.2
127	16.1	12.9	19.3

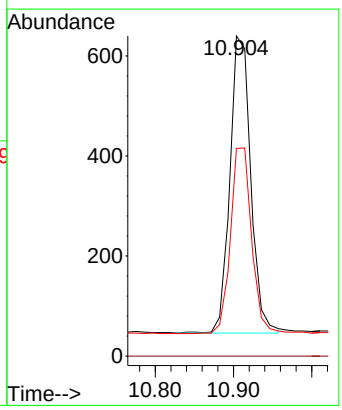


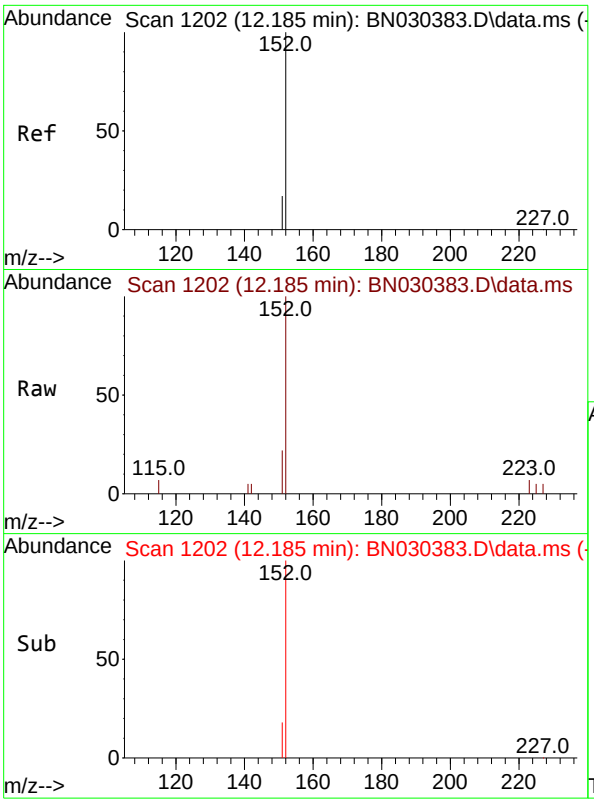


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 10.904 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:225 Resp: 1099

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	50.5	75.7



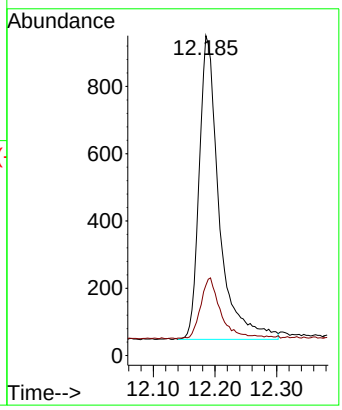


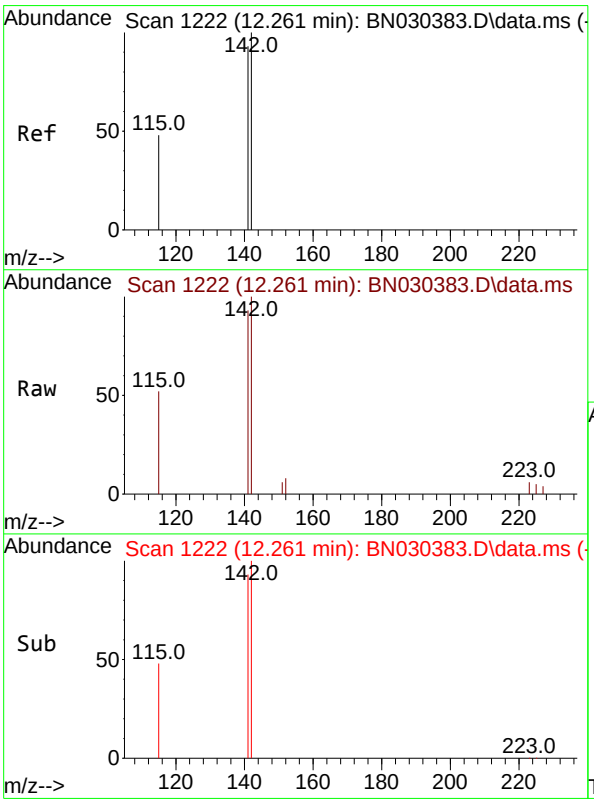
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.185 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2027

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8

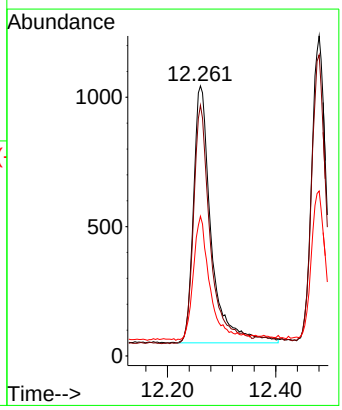


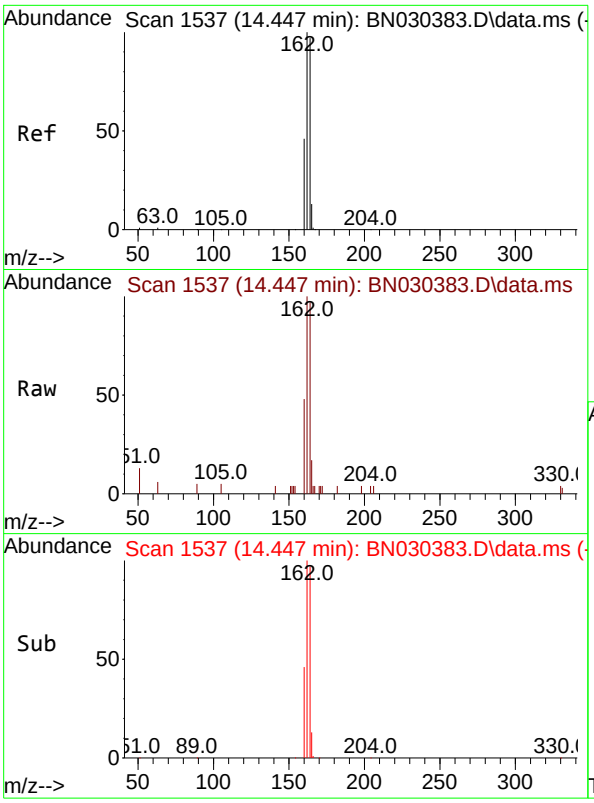


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.261 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:142 Resp: 2262

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
115	51.7	41.4	62.0



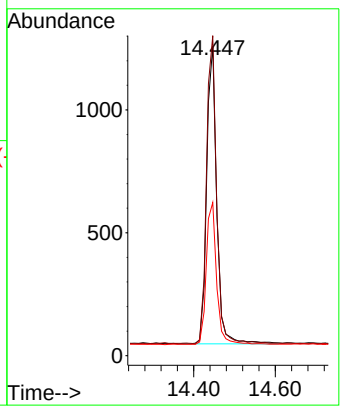


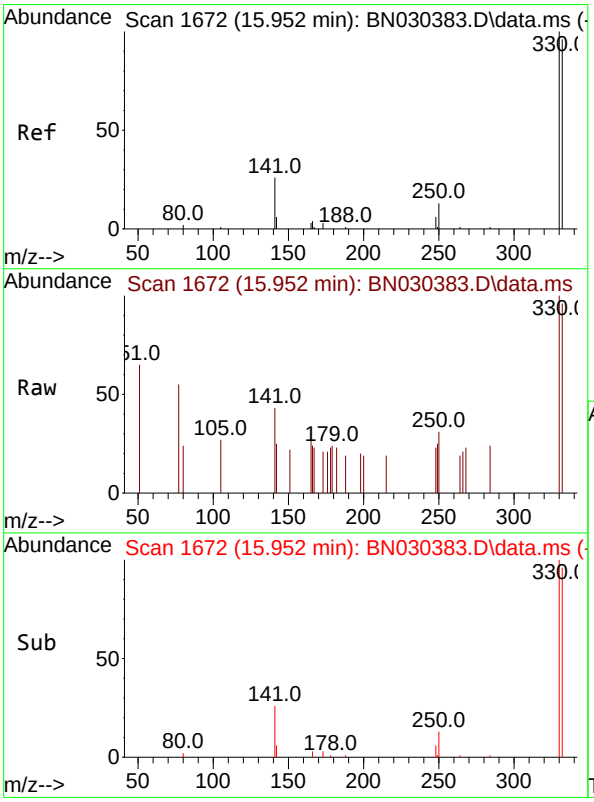
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.447 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 2077

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	124.0
160	49.4	39.5	59.3

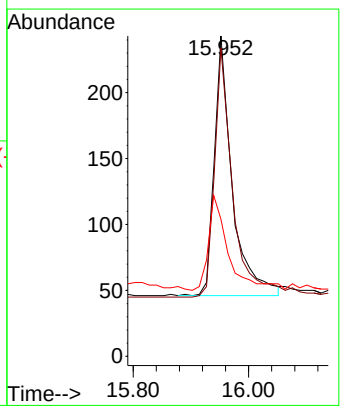


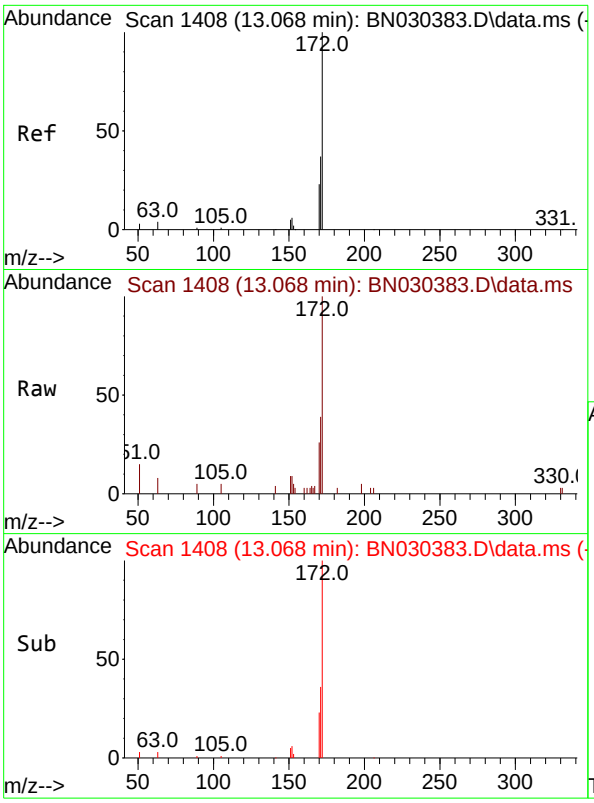


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.952 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:330 Resp: 427

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	39.3	31.4	47.2



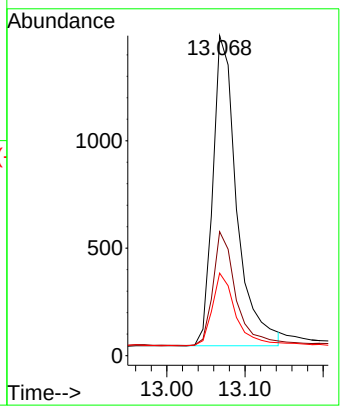


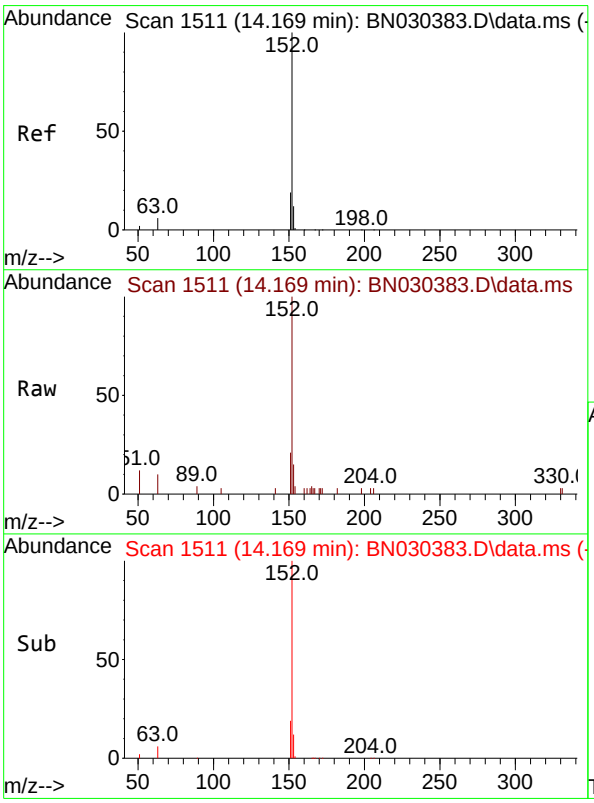
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.068 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 3069

Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.0	46.6
170	25.8	20.6	31.0

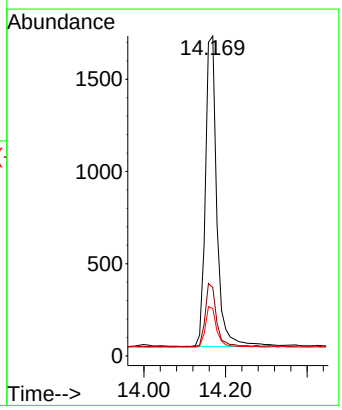


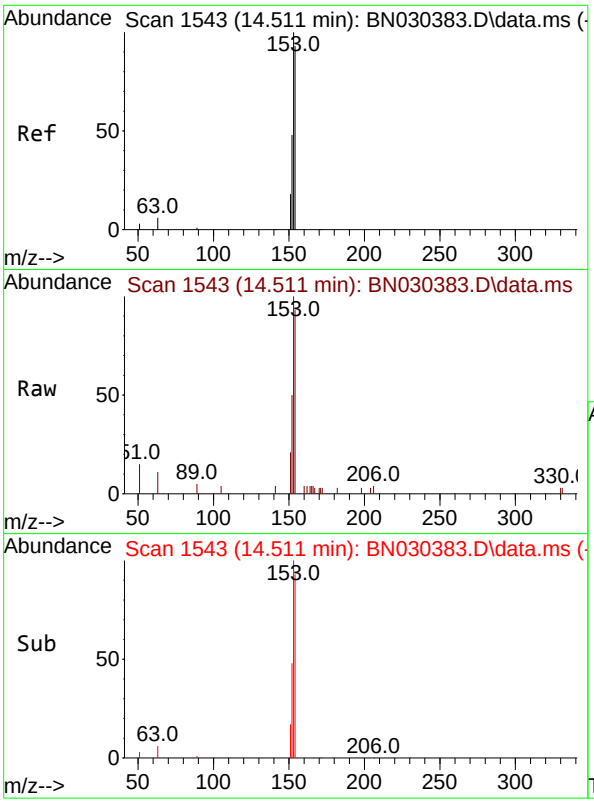


#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.169 min Scan# 1511
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:152 Resp: 3298

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.0	10.4	15.6



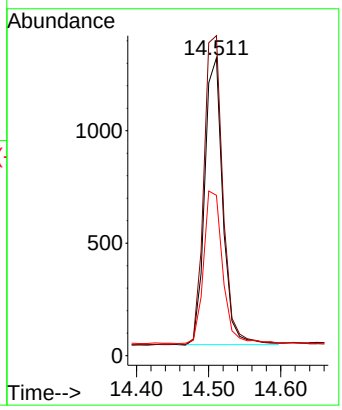


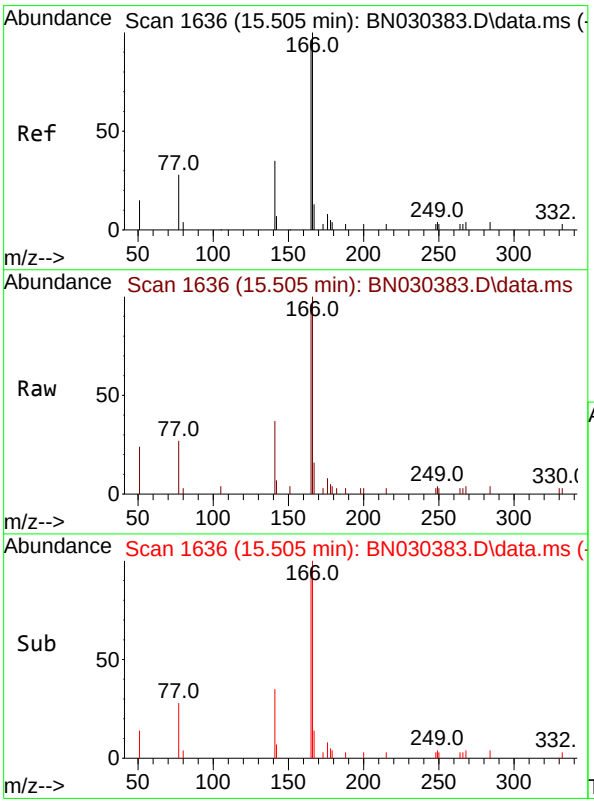
#17
Acenaphthene
Concen: 0.374 ng
RT: 14.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 2228

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.6	137.4
152	57.4	45.9	68.9

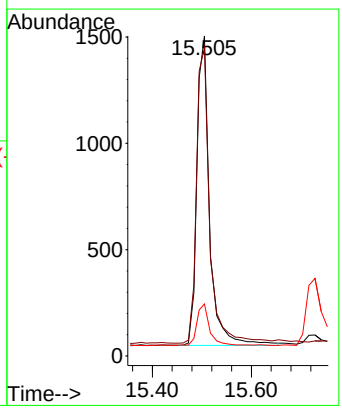


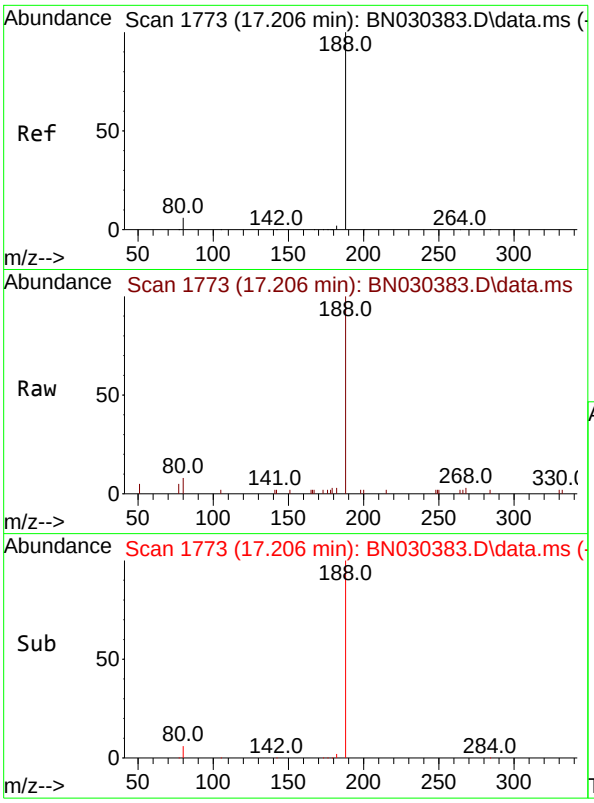


#18
Fluorene
Concen: 0.367 ng
RT: 15.505 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:166 Resp: 2710

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	12.8	10.2	15.4



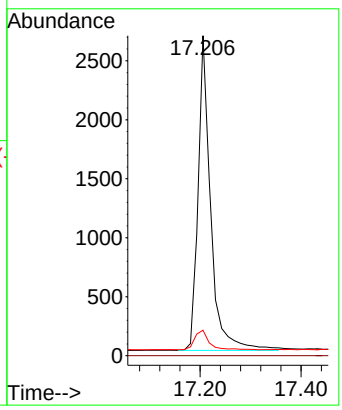


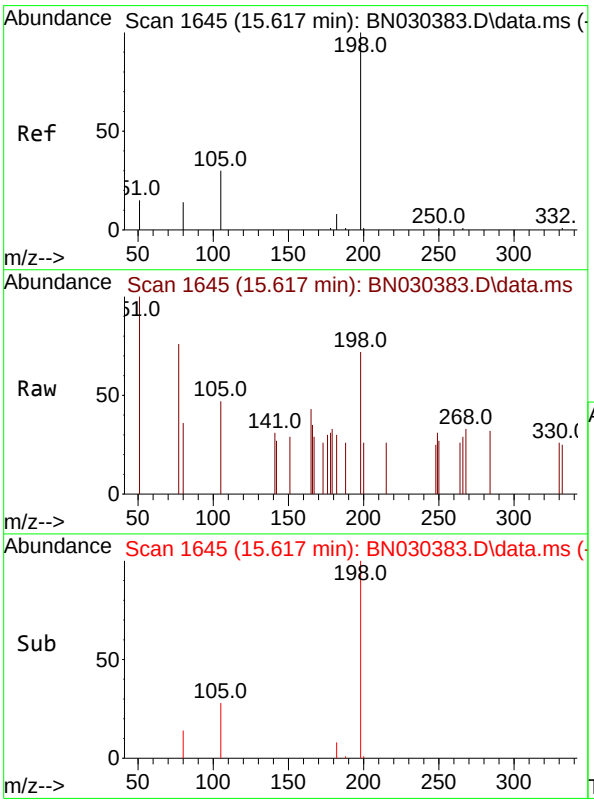
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 4629

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	6.4	9.6

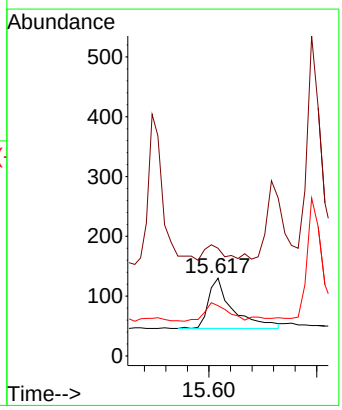


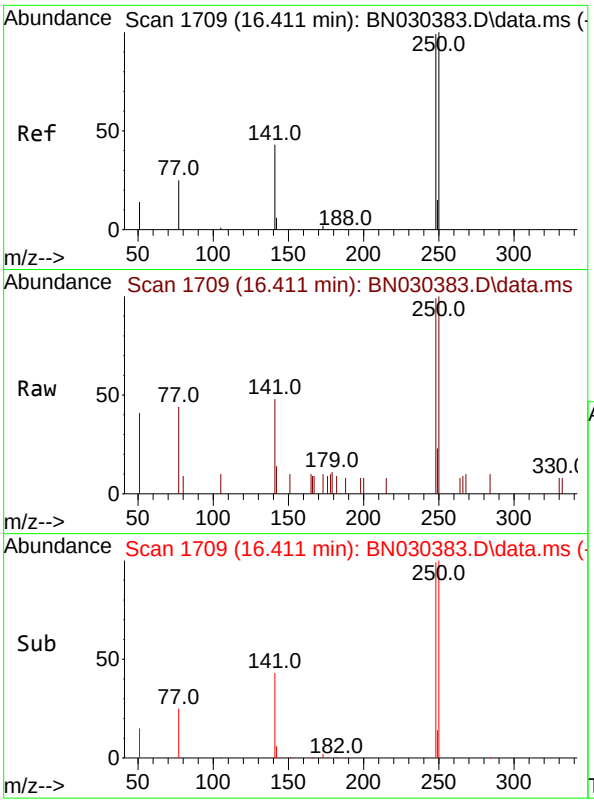


#20
4,6-Dinitro-2-methylphenol
Concen: 0.406 ng
RT: 15.617 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:198 Resp: 264

Ion	Ratio	Lower	Upper
198	100		
51	138.5	110.8	166.2
105	64.6	51.7	77.5



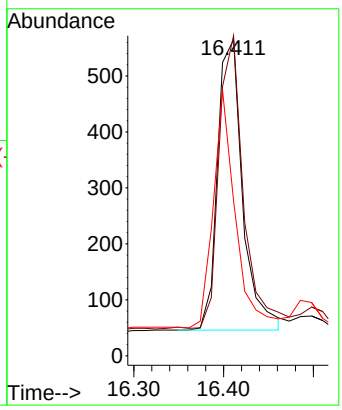


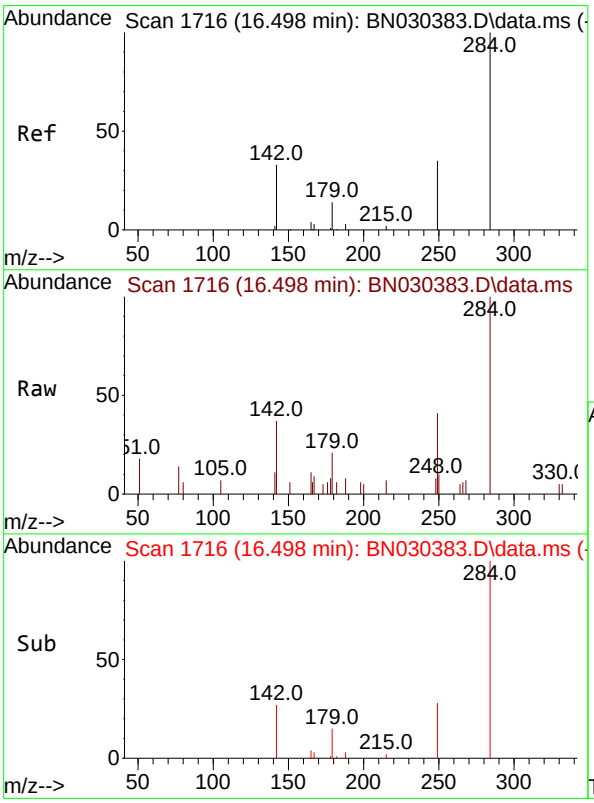
#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 16.411 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 1009

Ion	Ratio	Lower	Upper
248	100		
250	101.2	81.0	121.4
141	49.0	39.2	58.8

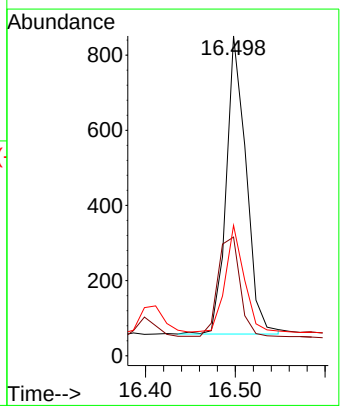


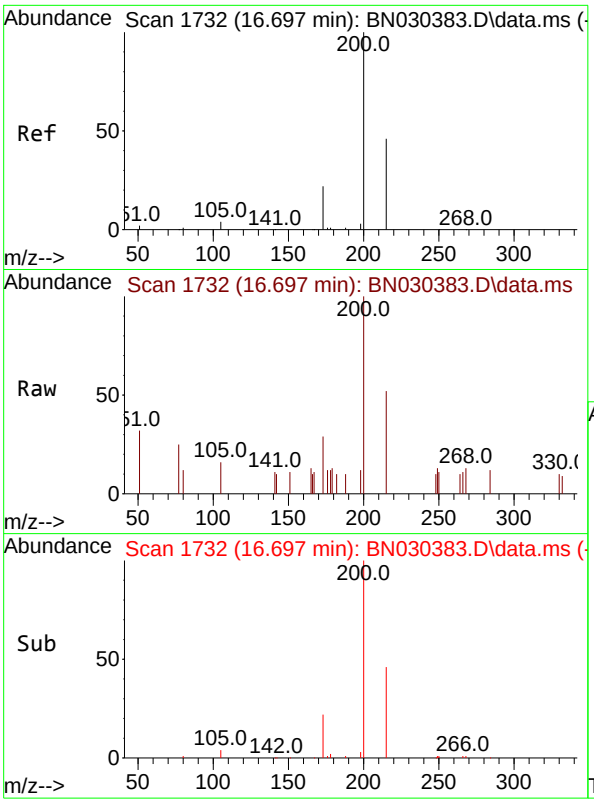


#22
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.498 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:284 Resp: 1218

Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.7	44.5
249	34.0	27.2	40.8



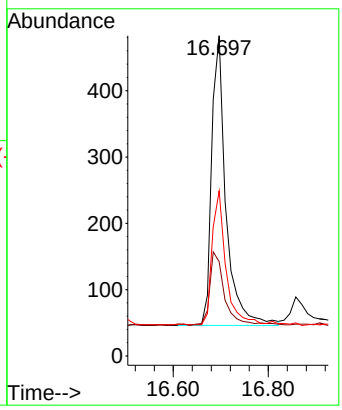


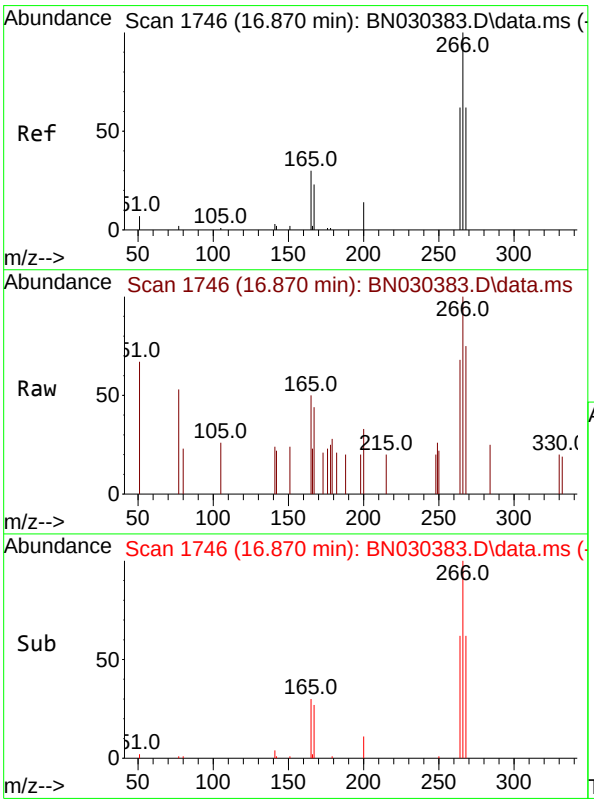
#23
Atrazine
Concen: 0.371 ng
RT: 16.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 913

Ion	Ratio	Lower	Upper
200	100		
173	29.4	23.5	35.3
215	51.6	41.3	61.9

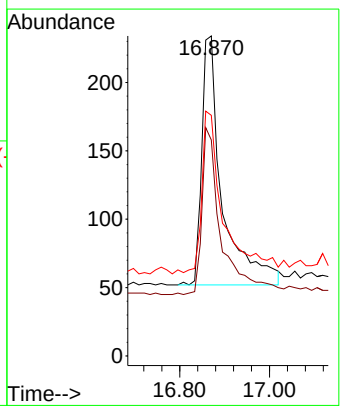


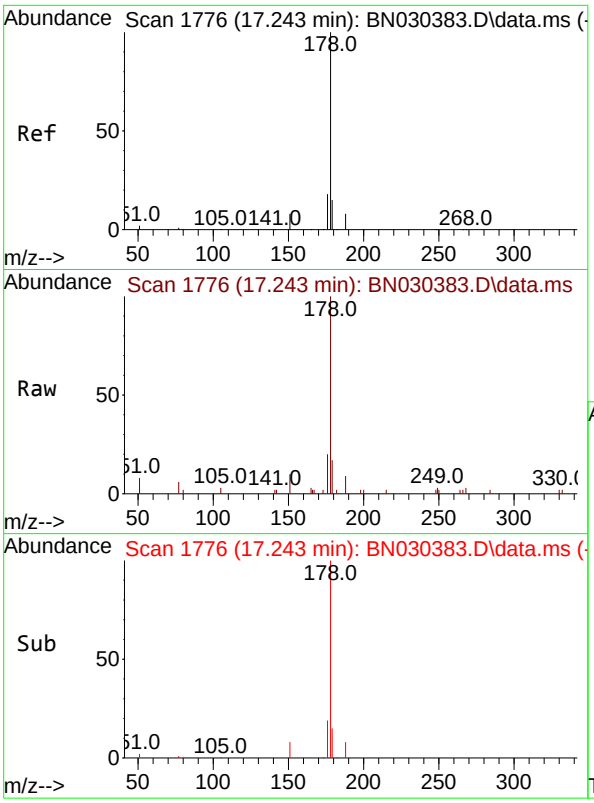


#24
Pentachlorophenol
Concen: 0.339 ng
RT: 16.870 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:266 Resp: 579

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.9	76.3
268	66.5	54.2	81.4



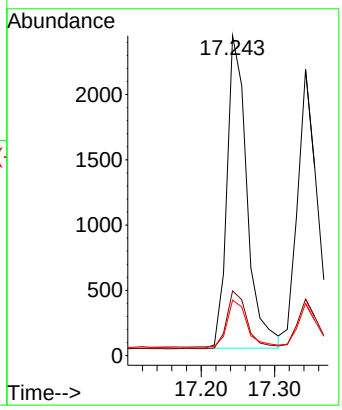


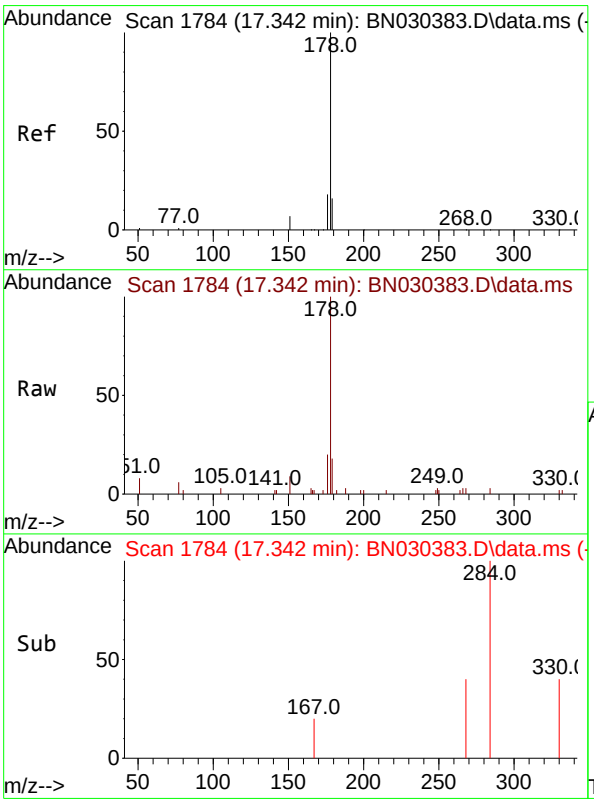
#25
Phenanthrene
Concen: 0.368 ng
RT: 17.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 4535

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.1	12.1	18.1

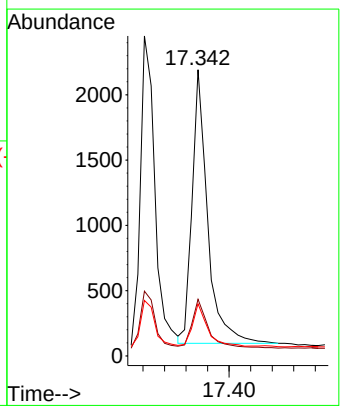


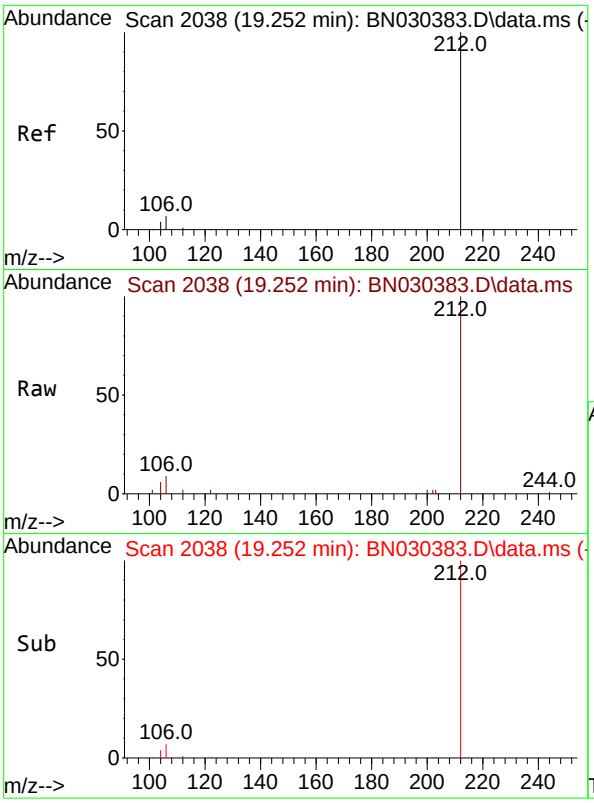


#26
Anthracene
Concen: 0.373 ng
RT: 17.342 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:178 Resp: 4208

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	14.7	11.8	17.6



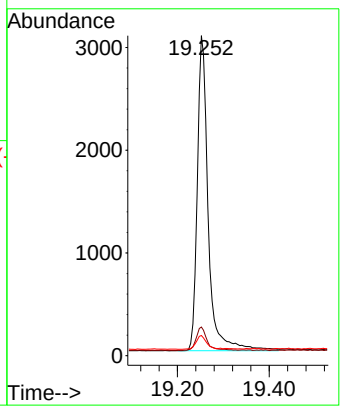


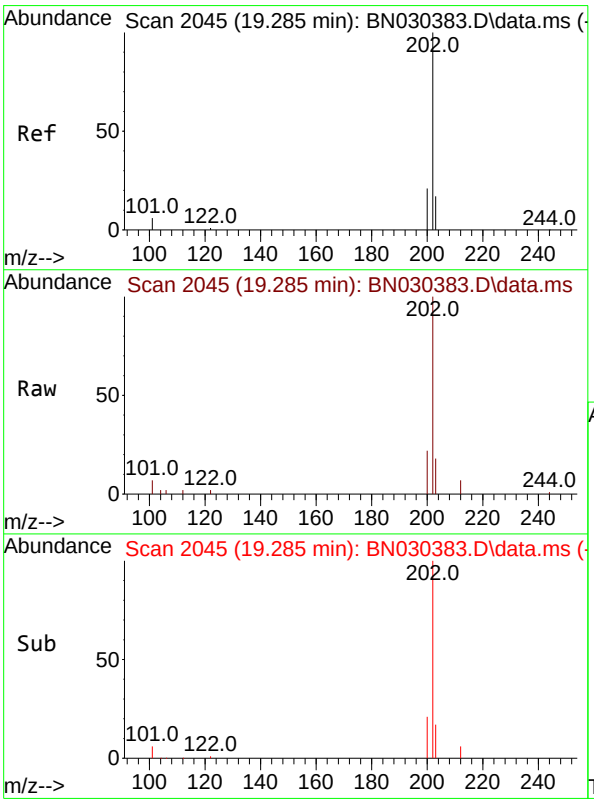
#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.252 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 5053

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.2	3.4	5.0

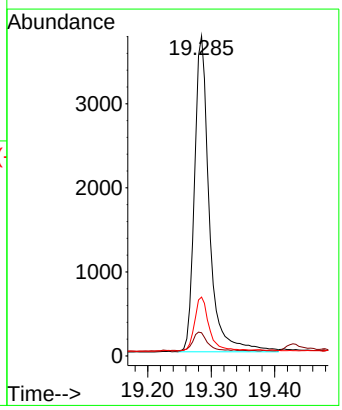


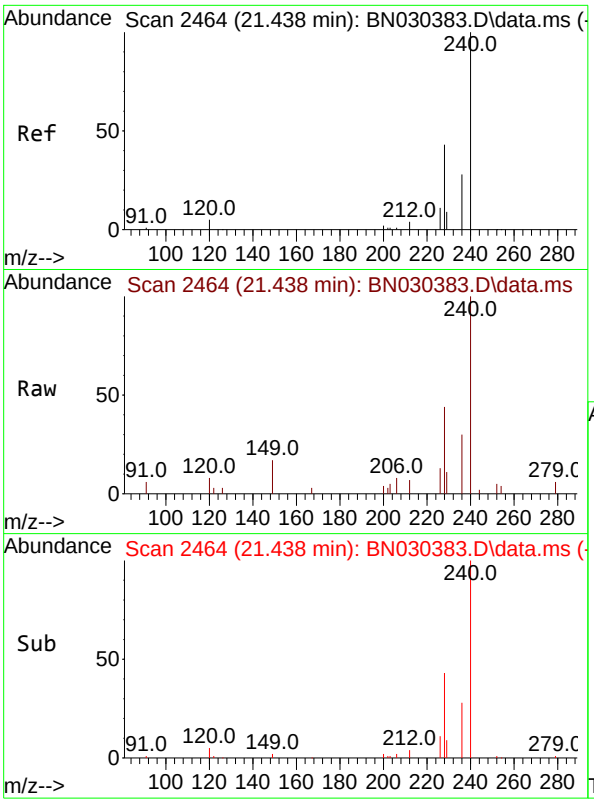


#28
Fluoranthene
Concen: 0.368 ng
RT: 19.285 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:202 Resp: 6110

Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	6.8
203	16.7	13.4	20.0



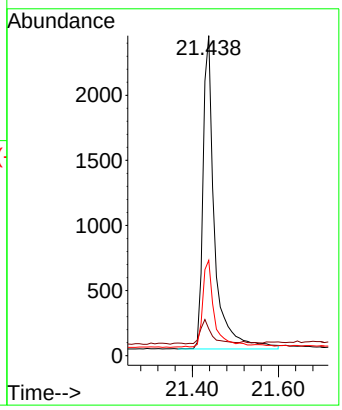


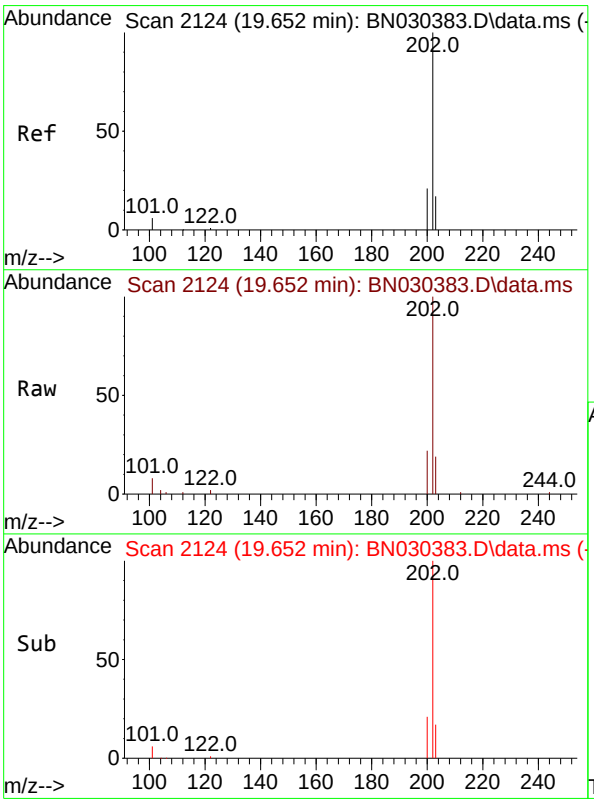
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.438 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 4493

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.7	10.1
236	29.8	23.8	35.8

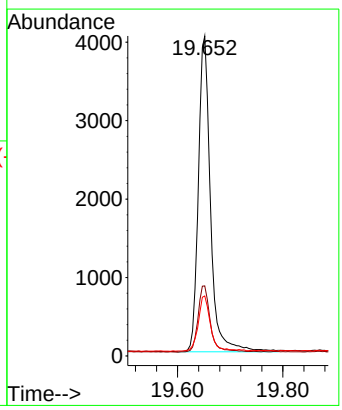


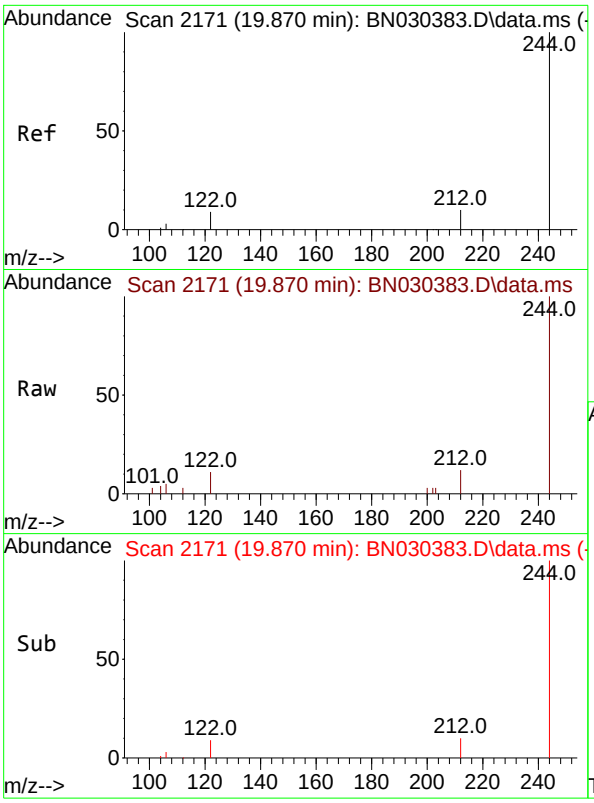


#30
Pyrene
Concen: 0.385 ng
RT: 19.652 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:202 Resp: 6463

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.3	13.8	20.8



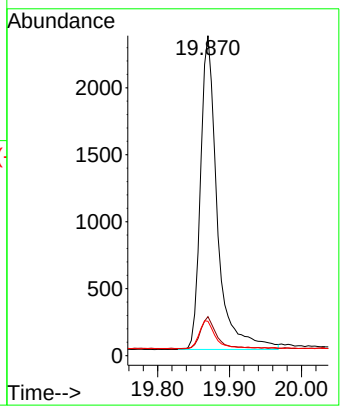


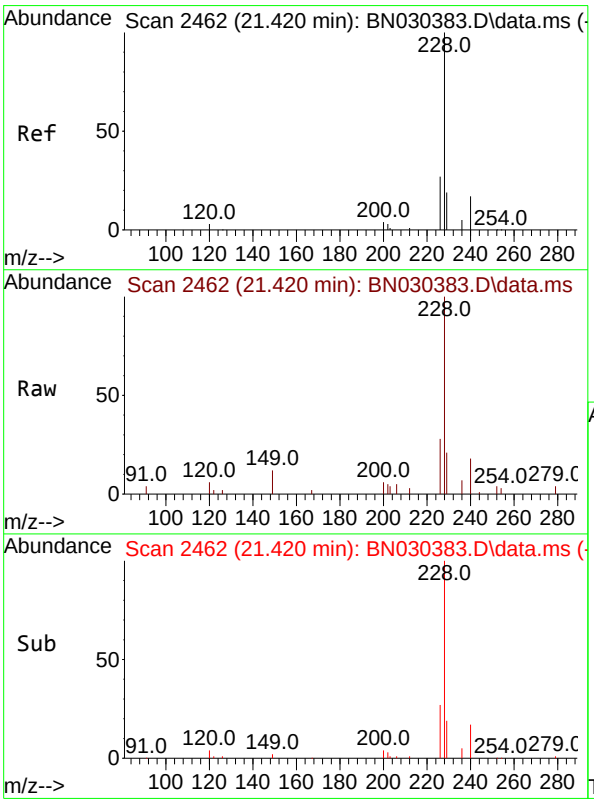
#31
Terphenyl-d14
Concen: 0.373 ng
RT: 19.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 3803

Ion	Ratio	Lower	Upper
244	100		
212	12.2	9.8	14.6
122	10.7	8.6	12.8

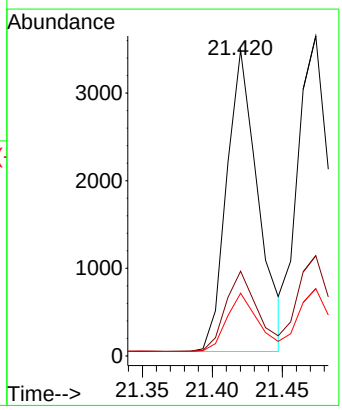


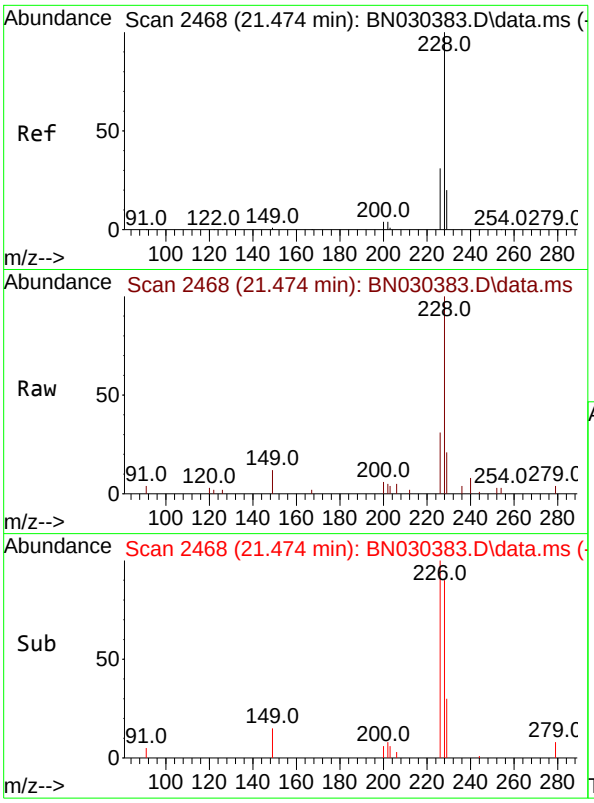


#32
Benzo(a)anthracene
Concen: 0.362 ng
RT: 21.420 min Scan# 2462
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:228 Resp: 5403

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.5	16.4	24.6



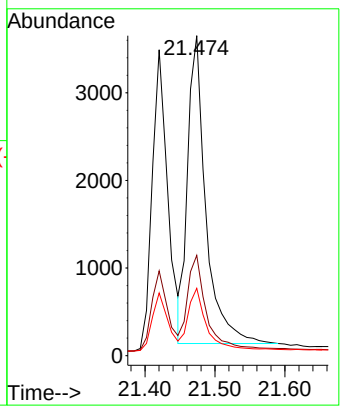


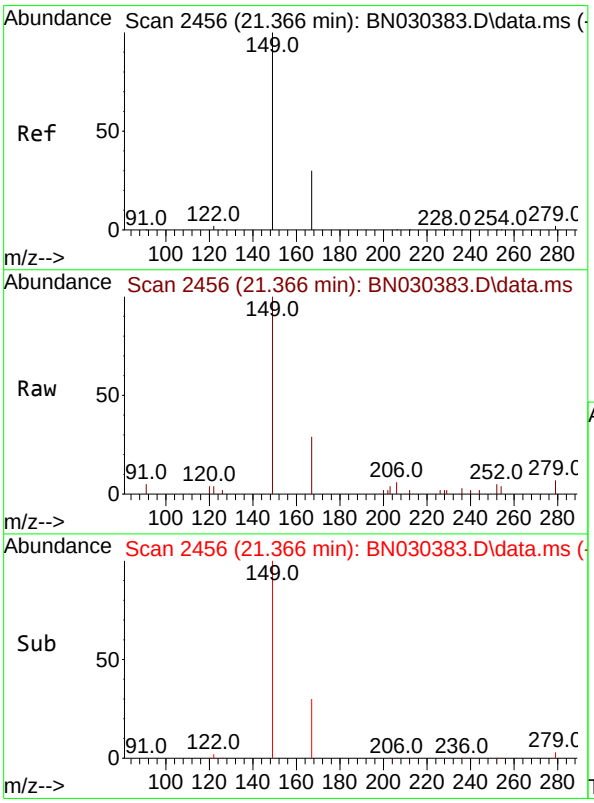
#33
Chrysene
Concen: 0.386 ng
RT: 21.474 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 6354

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.1	16.9	25.3

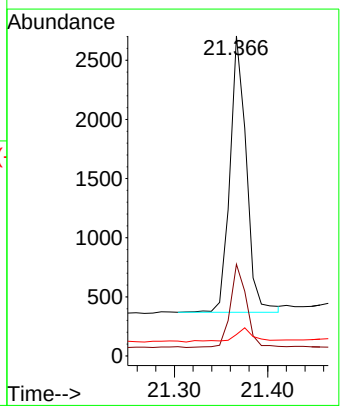


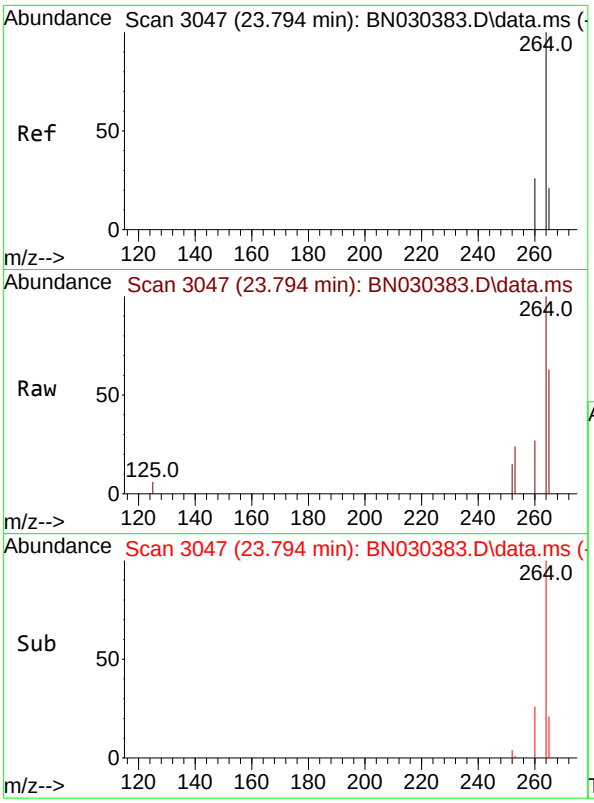


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.366 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:149 Resp: 2869

Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	6.4	5.1	7.7



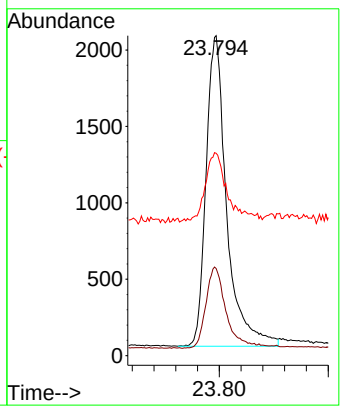


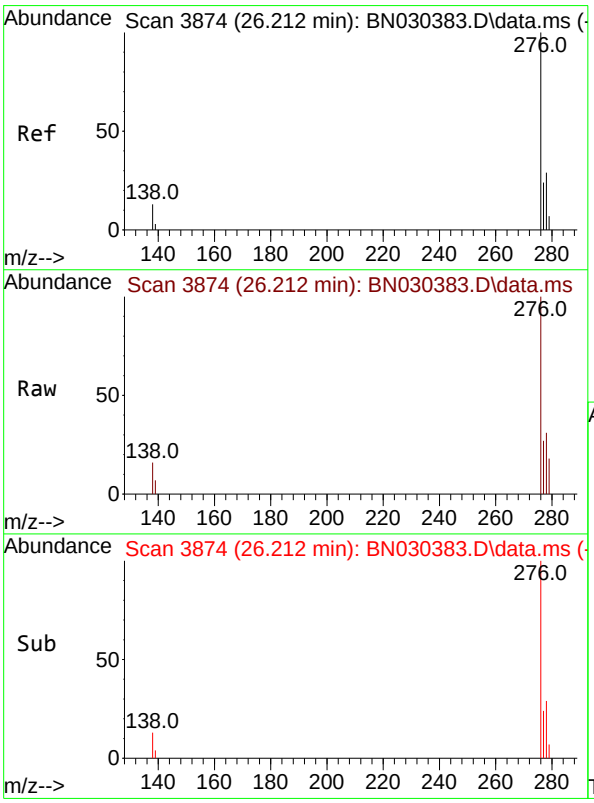
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.794 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 5329

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.8	32.8
265	63.2	50.6	75.8

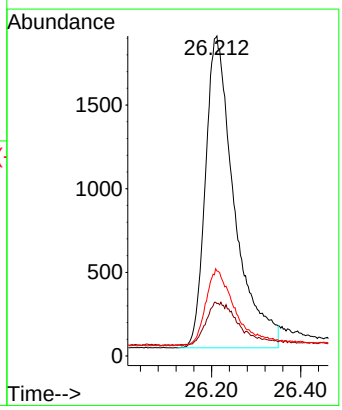


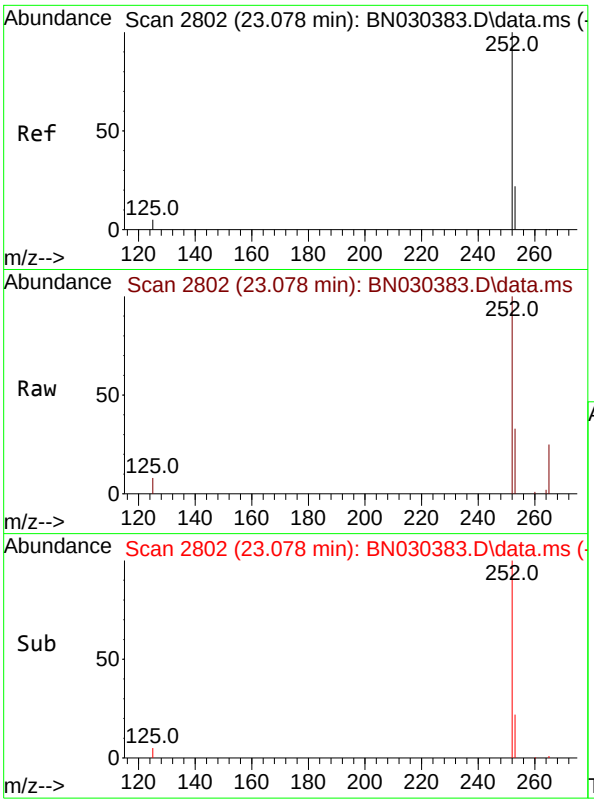


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng
RT: 26.212 min Scan# 3874
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:276 Resp: 8406

Ion	Ratio	Lower	Upper
276	100		
138	6.4	5.1	7.7
277	23.1	18.4	27.6



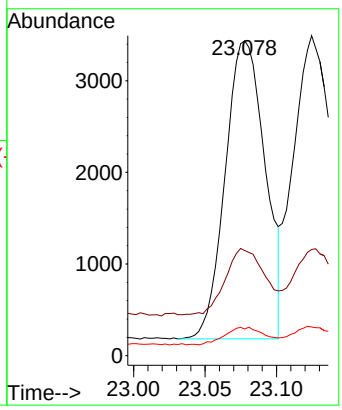


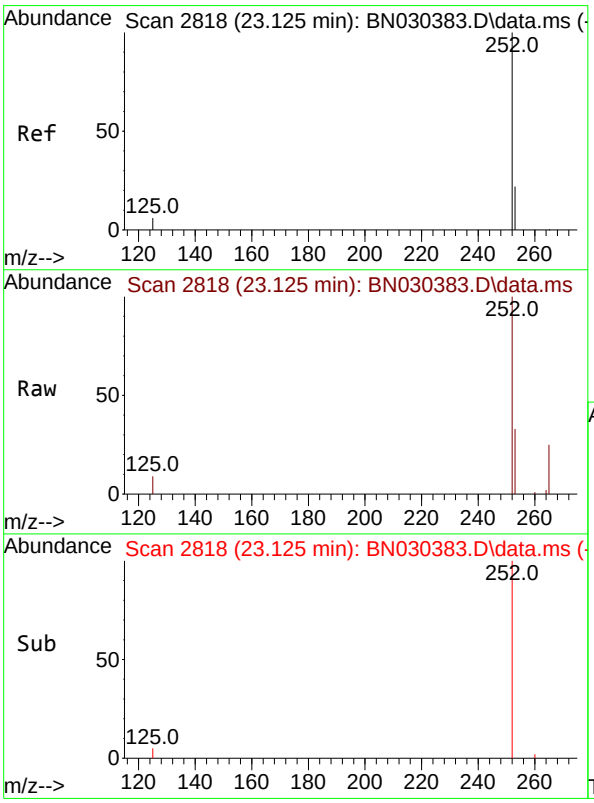
#37
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.078 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6311

Ion	Ratio	Lower	Upper
252	100		
253	33.4	26.7	40.1
125	8.5	6.8	10.2

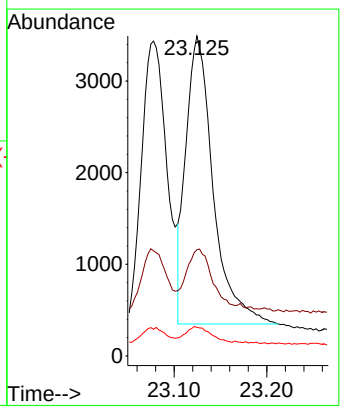


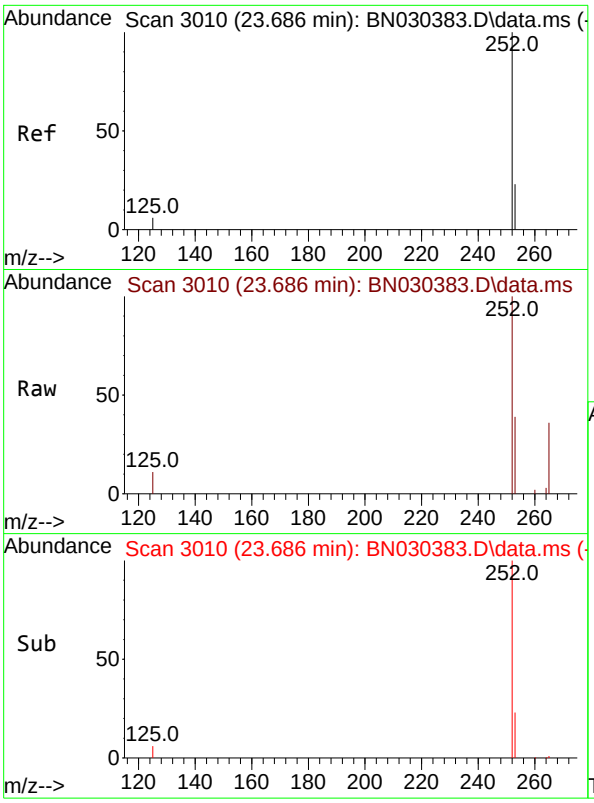


#38
Benzo(k)fluoranthene
Concen: 0.366 ng
RT: 23.125 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:252 Resp: 6438

Ion	Ratio	Lower	Upper
252	100		
253	33.2	26.6	39.8
125	9.0	7.2	10.8



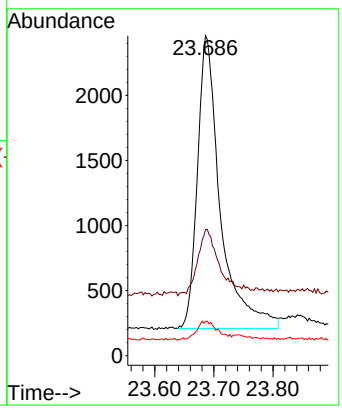


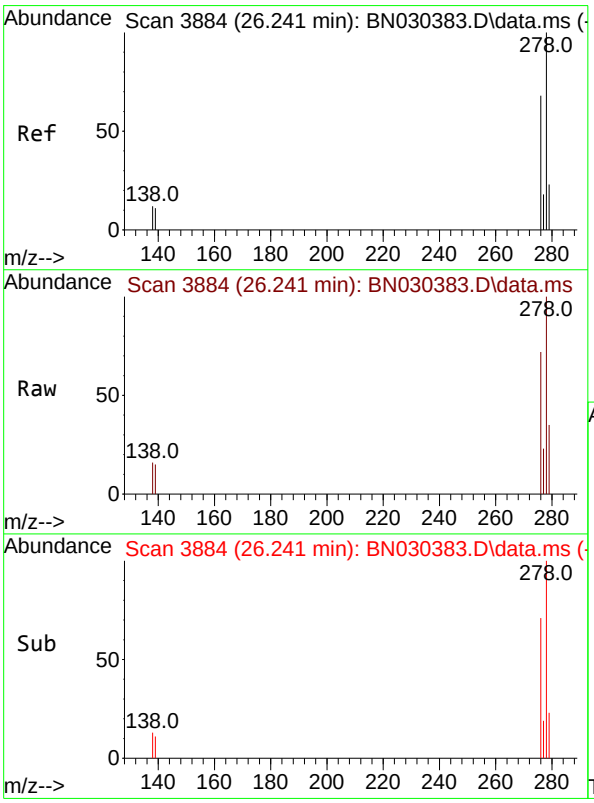
#39
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.686 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6054

Ion	Ratio	Lower	Upper
252	100		
253	39.4	31.5	47.3
125	10.7	8.6	12.8

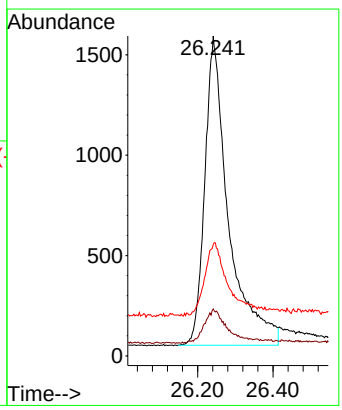


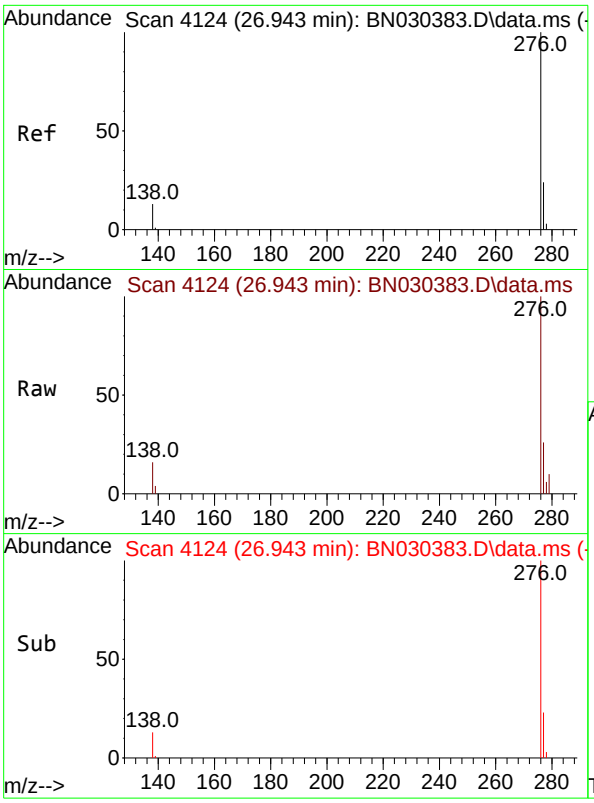


#40
Dibenzo(a,h)anthracene
Concen: 0.374 ng
RT: 26.241 min Scan# 3884
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Tgt Ion:278 Resp: 6712

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.8	17.6
279	34.8	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.376 ng
RT: 26.943 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN030383.D
Acq: 13 Mar 2024 15:45

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 7954

Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.9	31.3
138	16.2	13.0	19.4