Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030382.D
Acq On : 13 Mar 2024 15:09
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Mar 14 11:18:52 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	1475	0.400	ng		0.00
7) Naphthalene-d8	10.584	136	3468	0.400	ng		0.00
13) Acenaphthene-d10	14.447	164	2132	0.400	ng		0.00
19) Phenanthrene-d10	17.206	188	4992	0.400	ng		0.00
29) Chrysene-d12	21.438	240	4915	0.400	ng		0.00
35) Perylene-d12	23.788	264	5623	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.370	112	794	0.207	ng		0.00
5) Phenol-d6	6.966	99	706	0.189	ng		0.00
8) Nitrobenzene-d5	8.961	82	569	0.179	ng		0.00
11) 2-Methylnaphthalene-d10	12.189	152	1075	0.200	ng		0.00
14) 2,4,6-Tribromophenol	15.952	330	266	0.214	ng		0.00
15) 2-Fluorobiphenyl	13.078	172	1663	0.194	ng		0.01
27) Fluoranthene-d10	19.252	212	2905	0.201	ng		0.00
31) Terphenyl-d14	19.870	244	2336	0.209	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	460	0.225	ng		95
3) n-Nitrosodimethylamine	3.644	42	405	0.216	ng		82
6) bis(2-Chloroethyl)ether	7.233	93	559	0.186	ng		97
9) Naphthalene	10.637	128	1897	0.205	ng		95
10) Hexachlorobutadiene	10.904	225	603	0.210	ng	#	98
12) 2-Methylnaphthalene	12.265	142	1201	0.201	ng		96
16) Acenaphthylene	14.169	152	1874	0.201	ng		99
17) Acenaphthene	14.511	154	1260	0.206	ng		100
18) Fluorene	15.505	166	1597	0.211	ng		99
20) 4,6-Dinitro-2-methylph...	15.617	198	127	0.280	ng	#	15
21) 4-Bromophenyl-phenylether	16.411	248	577	0.196	ng		96
22) Hexachlorobenzene	16.498	284	723	0.205	ng		98
23) Atrazine	16.697	200	567	0.214	ng		97
24) Pentachlorophenol	16.858	266	369	0.200	ng	#	87
25) Phenanthrene	17.243	178	2616	0.197	ng		99
26) Anthracene	17.342	178	2332	0.192	ng		97
28) Fluoranthene	19.285	202	3557	0.198	ng		99
30) Pyrene	19.652	202	3794	0.207	ng		100
32) Benzo(a)anthracene	21.420	228	3099	0.190	ng		97
33) Chrysene	21.474	228	3732	0.207	ng		100
34) Bis(2-ethylhexyl)phtha...	21.367	149	1931	0.226	ng	#	95
36) Indeno(1,2,3-cd)pyrene	26.215	276	4457	0.186	ng	#	79
37) Benzo(b)fluoranthene	23.078	252	3528	0.192	ng	#	85
38) Benzo(k)fluoranthene	23.125	252	3580	0.193	ng	#	83
39) Benzo(a)pyrene	23.686	252	3192	0.187	ng	#	80
40) Dibenzo(a,h)anthracene	26.247	278	3445	0.182	ng	#	81
41) Benzo(g,h,i)perylene	26.949	276	4327	0.194	ng		97

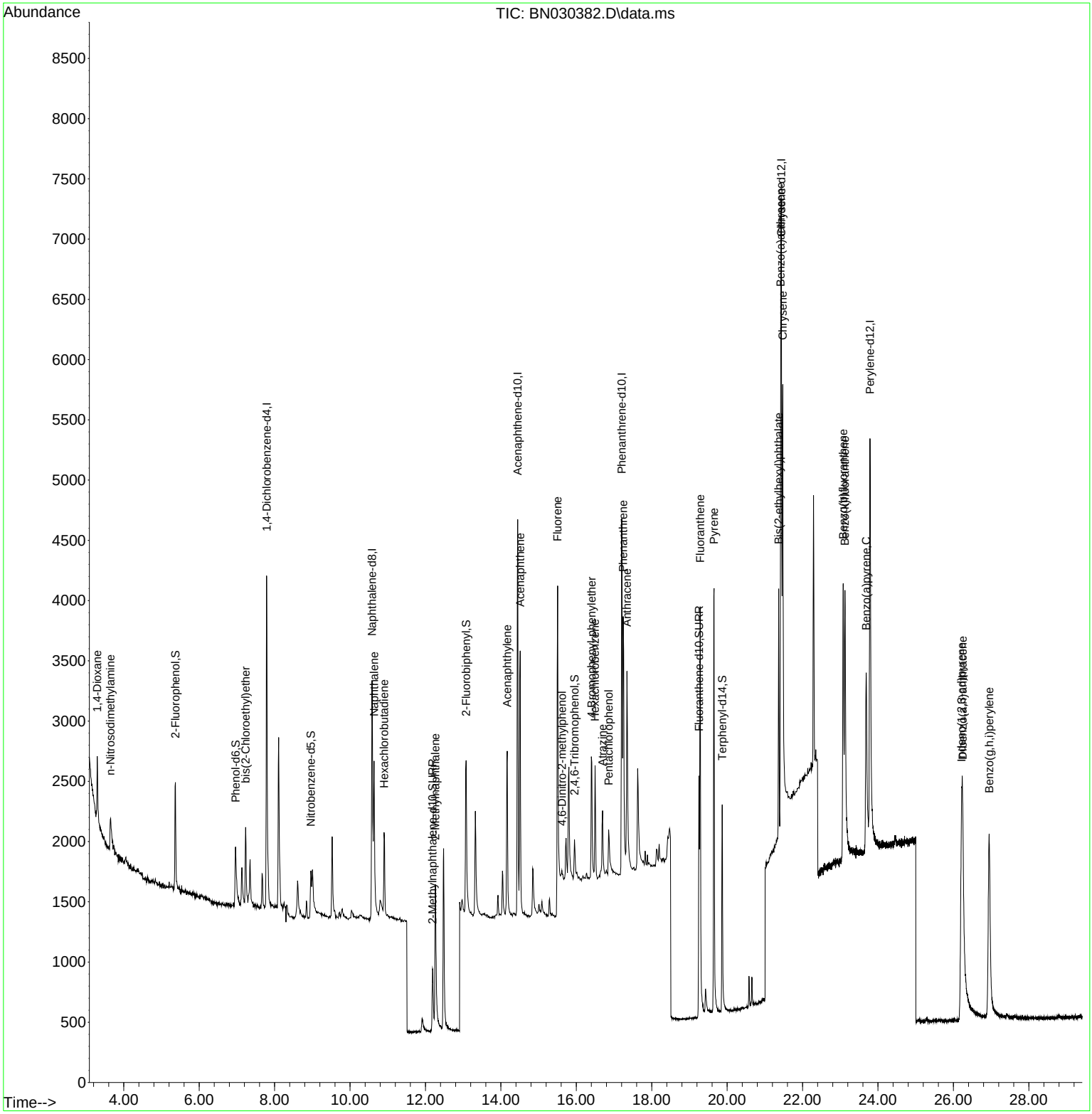
(#) = qualifier out of range (m) = manual integration (+) = signals summed

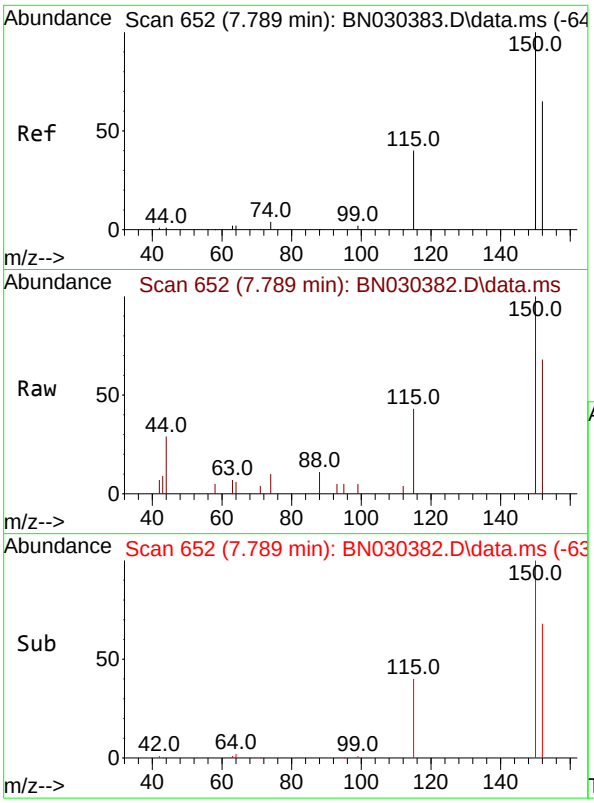
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030382.D
Acq On : 13 Mar 2024 15:09
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Mar 14 11:18:52 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



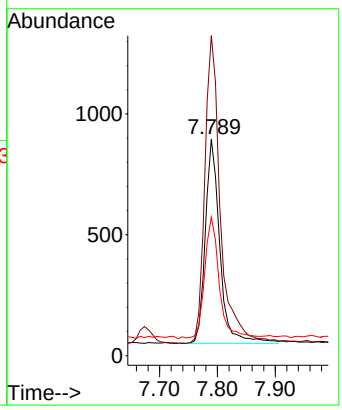


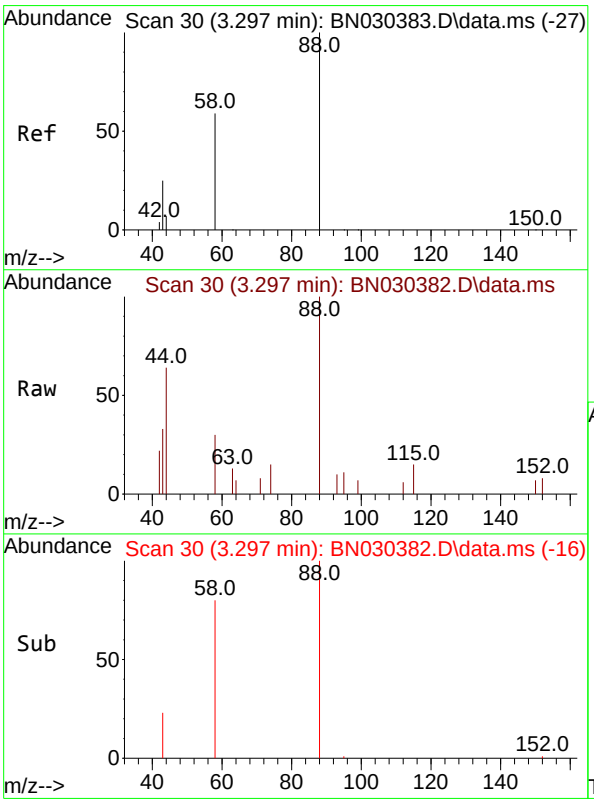
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1475

Ion	Ratio	Lower	Upper
152	100		
150	147.8	120.4	180.6
115	64.0	52.8	79.2

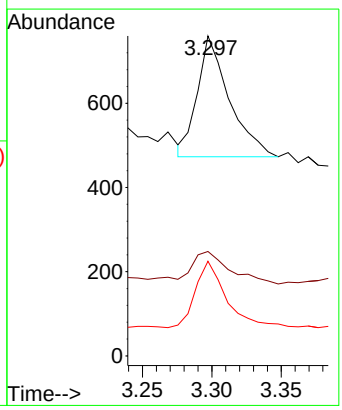


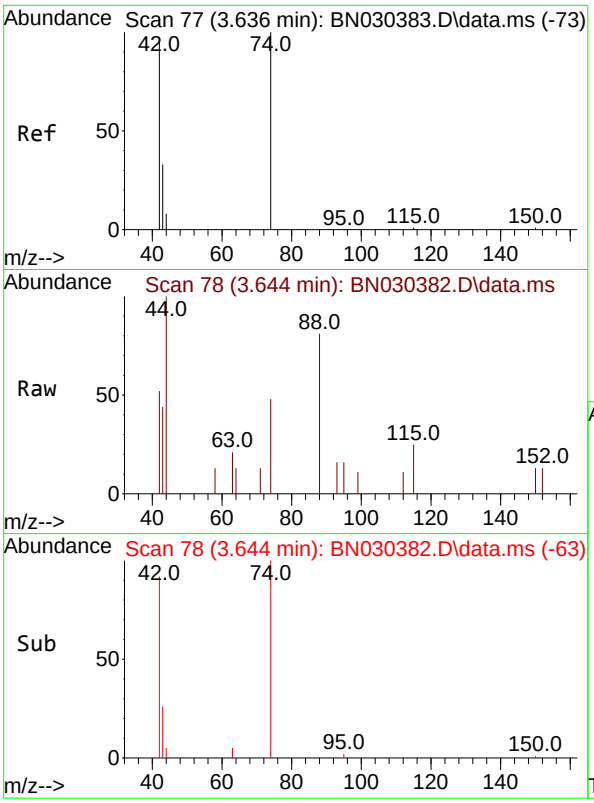


#2
1,4-Dioxane
Concen: 0.225 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion: 88 Resp: 460

Ion	Ratio	Lower	Upper
88	100		
43	33.5	23.4	35.0
58	54.8	46.1	69.1



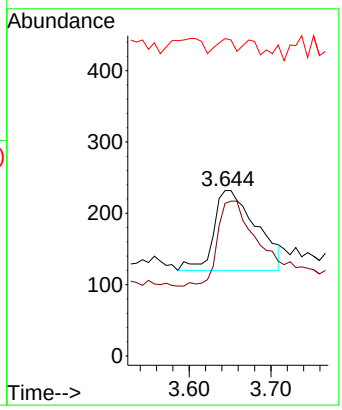


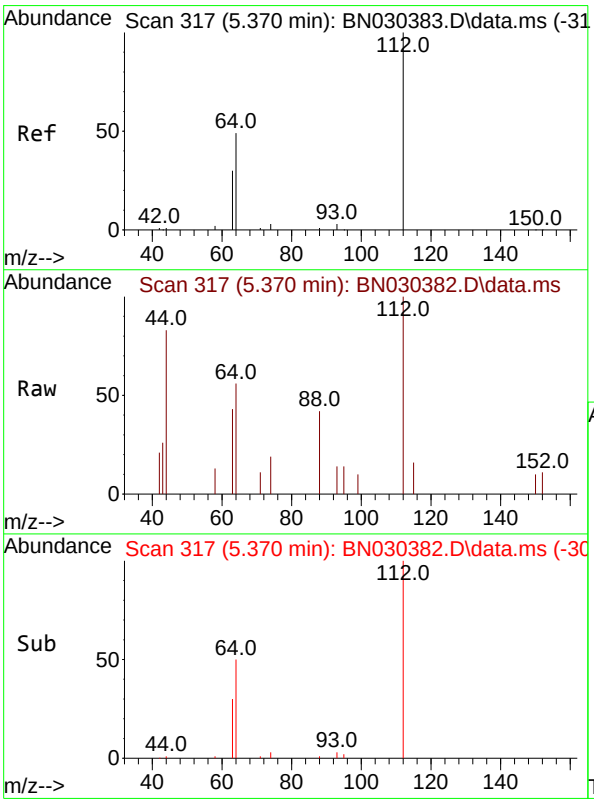
#3
n-Nitrosodimethylamine
Concen: 0.216 ng
RT: 3.644 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 405

Ion	Ratio	Lower	Upper
42	100		
74	98.5	95.4	143.0
44	7.2	6.6	10.0

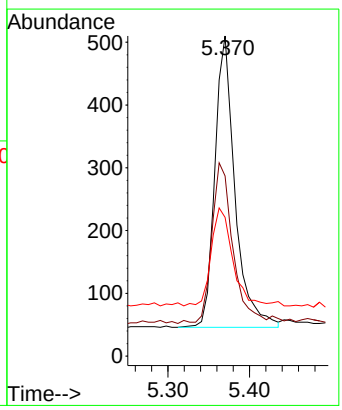


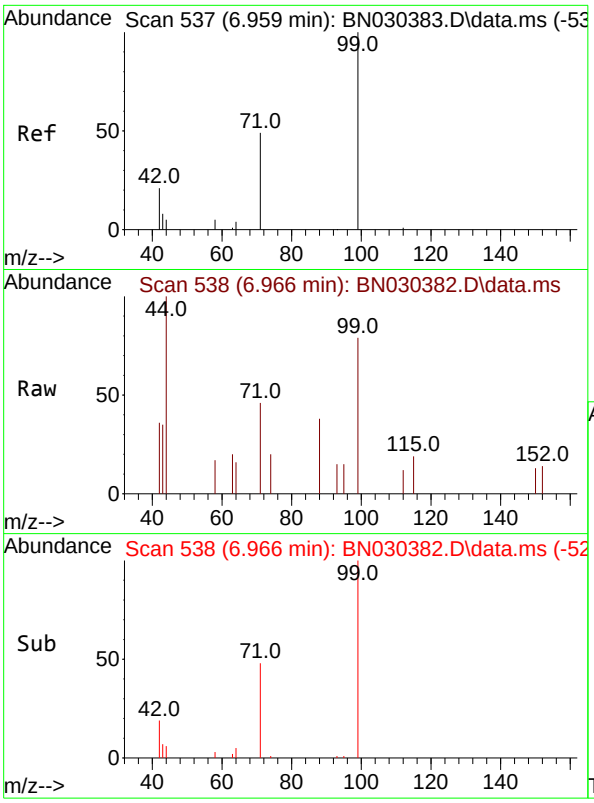


#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.370 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:112 Resp: 794

Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.6	68.4
63	36.1	28.2	42.4



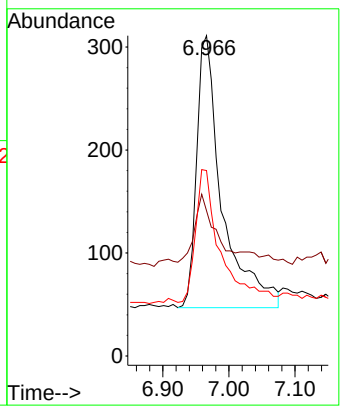


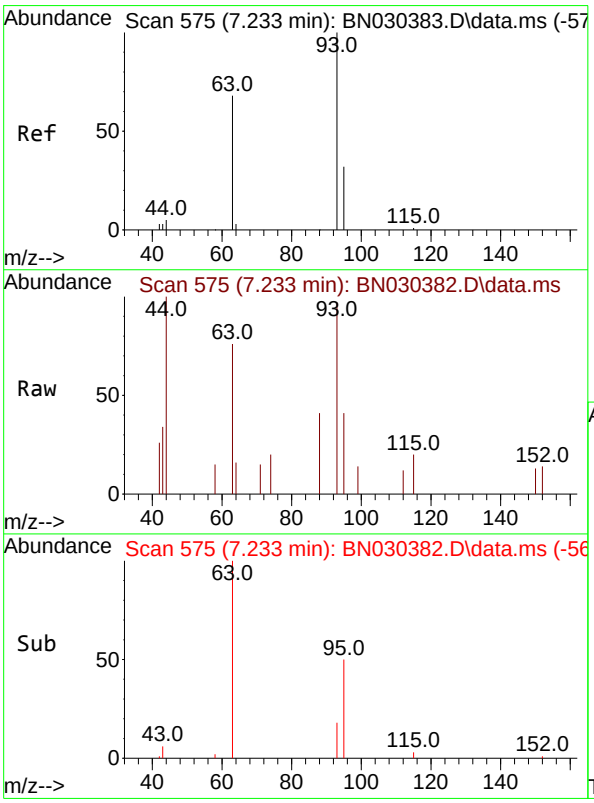
#5
Phenol-d6
Concen: 0.189 ng
RT: 6.966 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 706

Ion	Ratio	Lower	Upper
99	100		
42	19.1	17.0	25.6
71	47.9	37.0	55.6

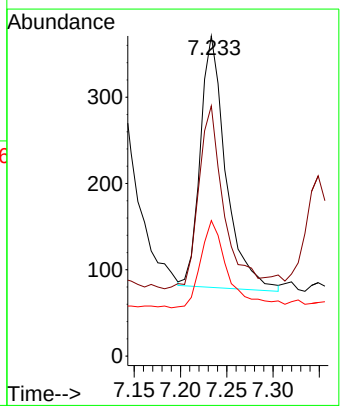


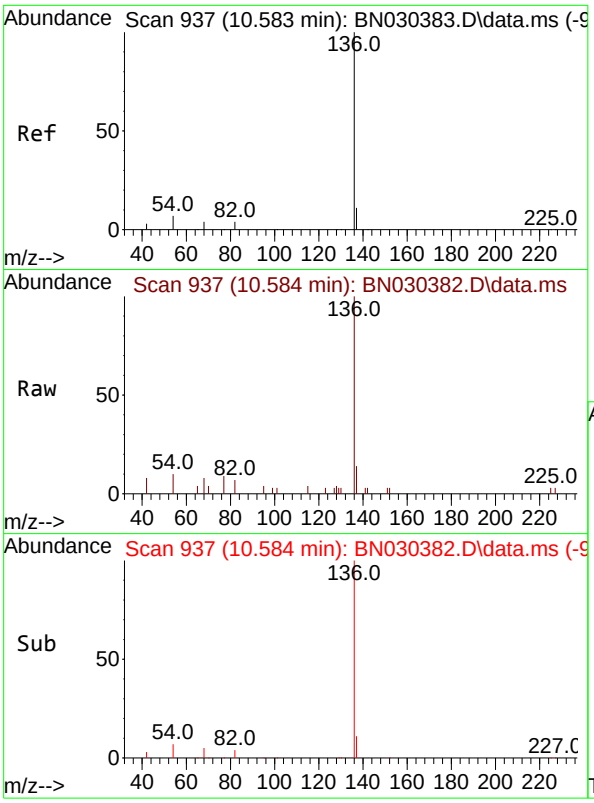


#6
bis(2-Chloroethyl)ether
Concen: 0.186 ng
RT: 7.233 min Scan# 575
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion: 93 Resp: 559

Ion	Ratio	Lower	Upper
93	100		
63	72.3	58.9	88.3
95	37.2	27.3	40.9



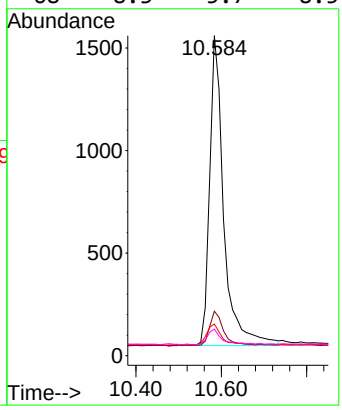


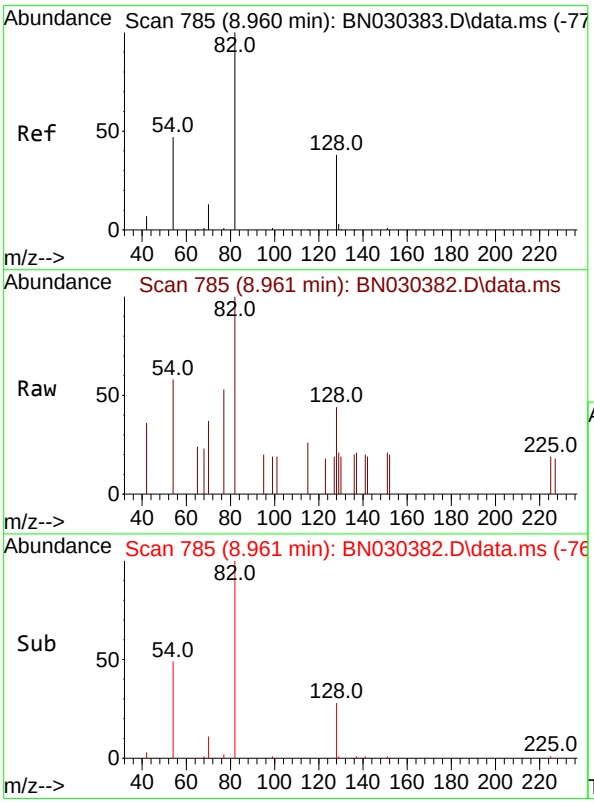
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 3468

Ion	Ratio	Lower	Upper
136	100		
137	13.9	11.0	16.6
54	9.9	7.8	11.8
68	8.3	5.7	8.5

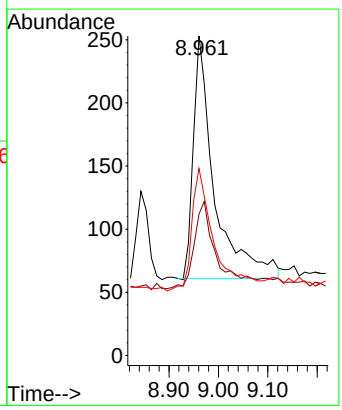


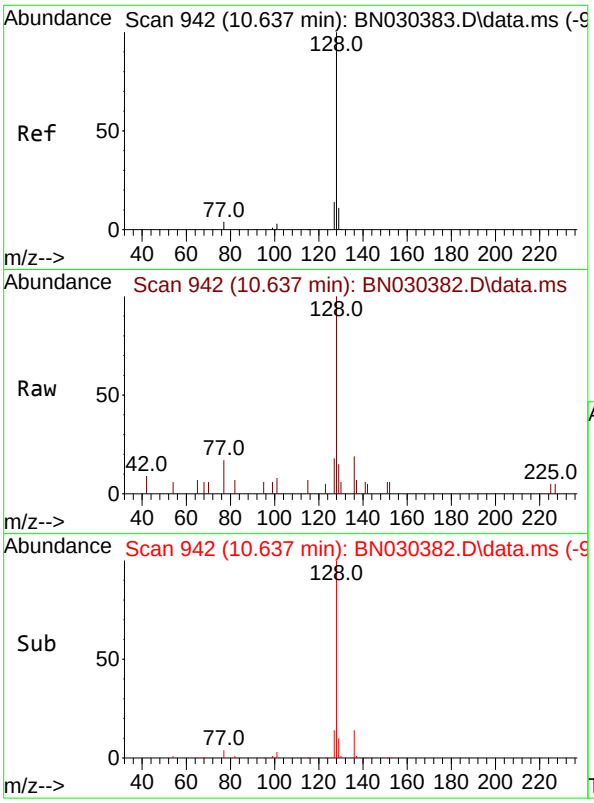


#8
Nitrobenzene-d5
Concen: 0.179 ng
RT: 8.961 min Scan# 785
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion: 82 Resp: 569

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.2	52.8
54	58.5	41.5	62.3



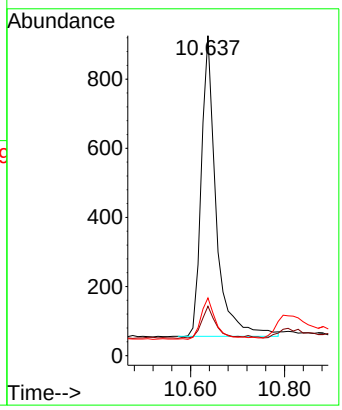


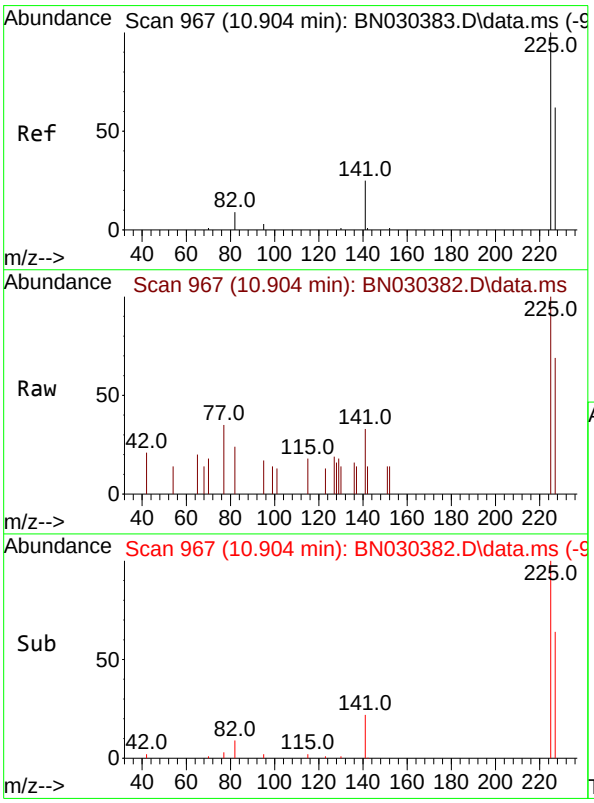
#9
Naphthalene
Concen: 0.205 ng
RT: 10.637 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 1897

Ion	Ratio	Lower	Upper
128	100		
129	15.4	10.8	16.2
127	18.0	12.9	19.3

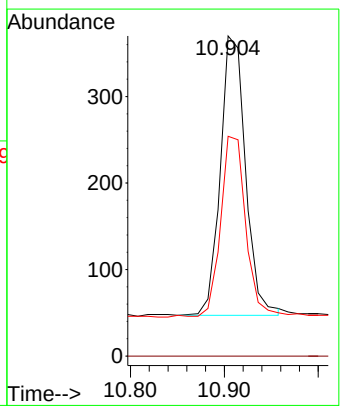


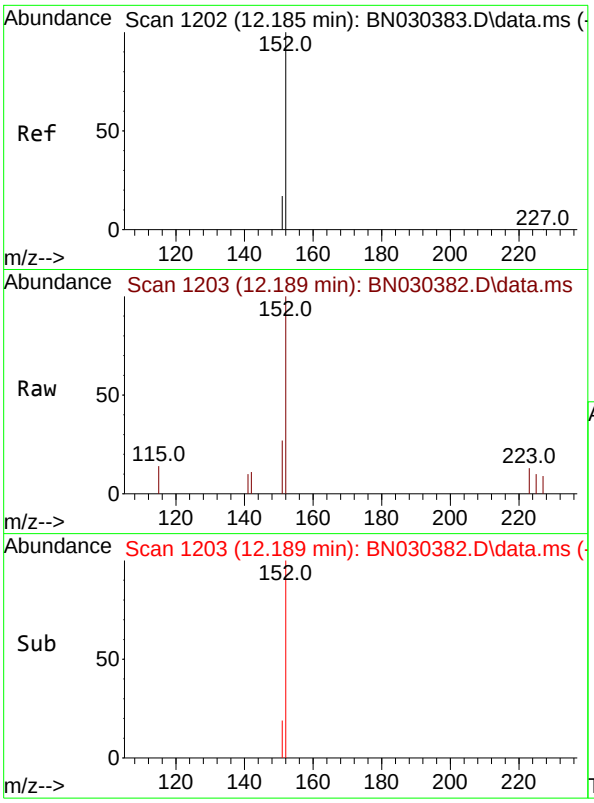


#10
Hexachlorobutadiene
Concen: 0.210 ng
RT: 10.904 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:225 Resp: 603

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	50.5	75.7



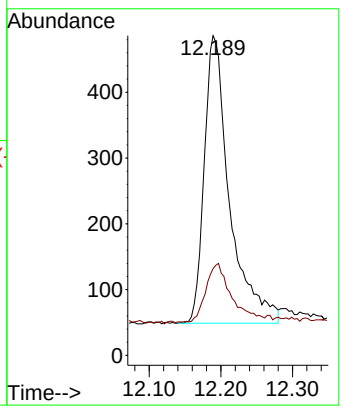


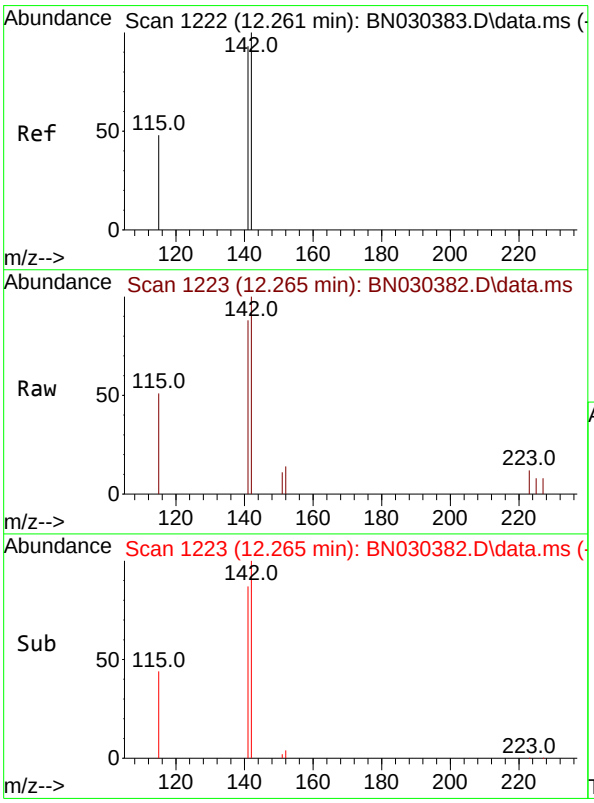
#11
2-Methylnaphthalene-d10
Concen: 0.200 ng
RT: 12.189 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1075

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.8

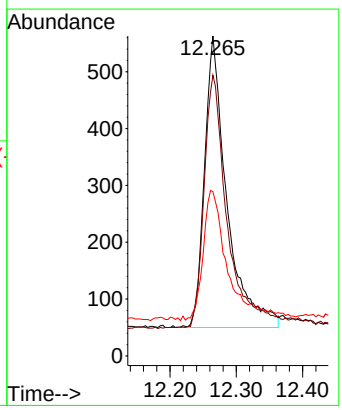


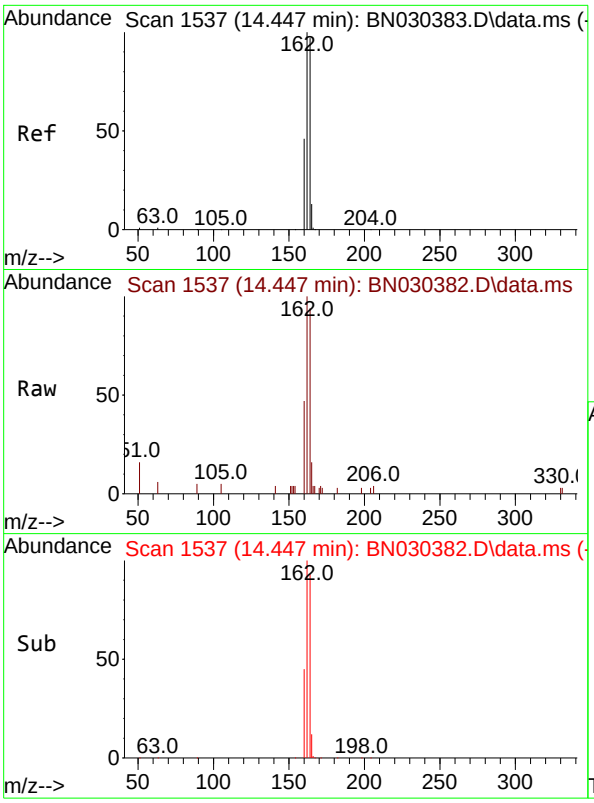


#12
2-Methylnaphthalene
Concen: 0.201 ng
RT: 12.265 min Scan# 1223
Delta R.T. 0.004 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:142 Resp: 1201

Ion	Ratio	Lower	Upper
142	100		
141	87.7	74.2	111.4
115	51.3	41.4	62.0



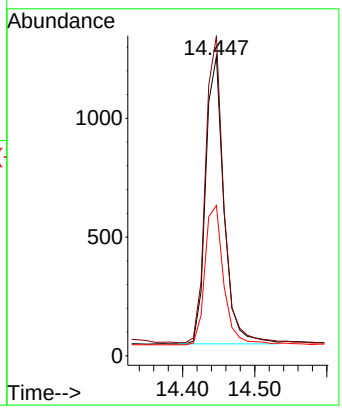


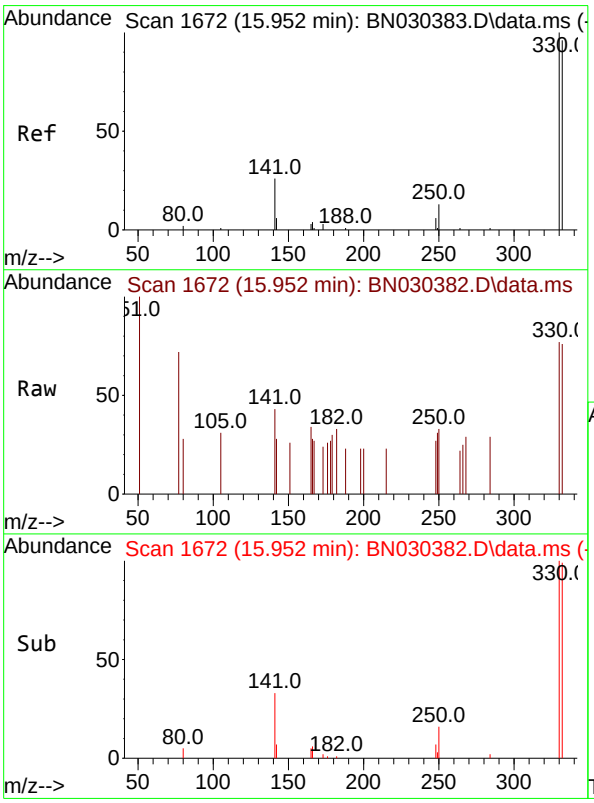
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.447 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 2132

Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	124.0
160	50.2	39.5	59.3

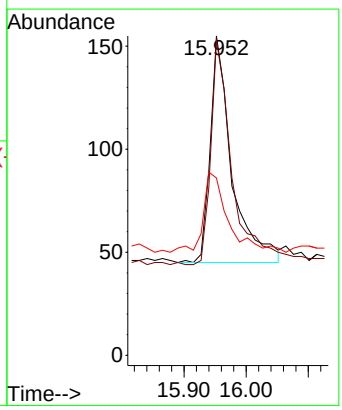


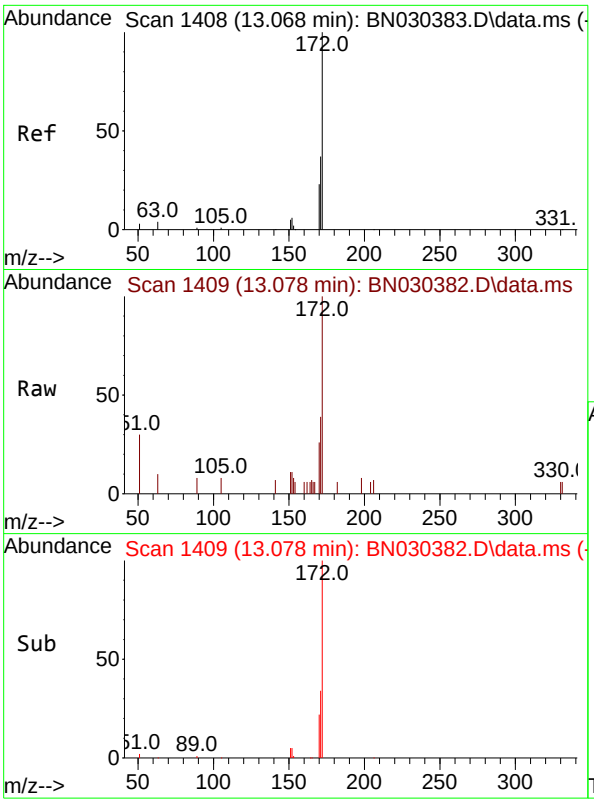


#14
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 15.952 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:330 Resp: 266

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	40.2	31.4	47.2



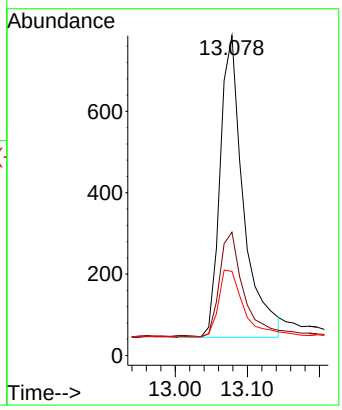


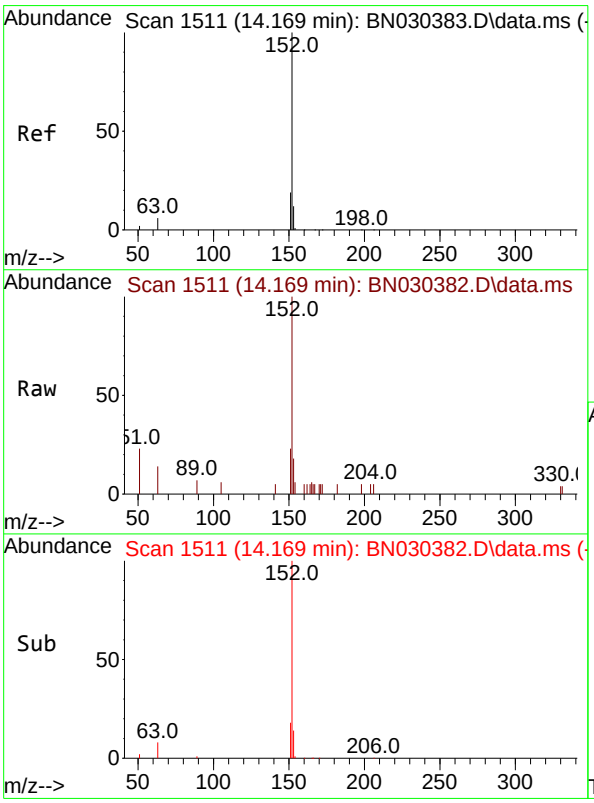
#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 13.078 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 1663

Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.6
170	26.3	20.6	31.0

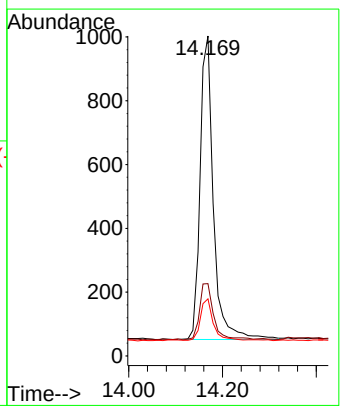


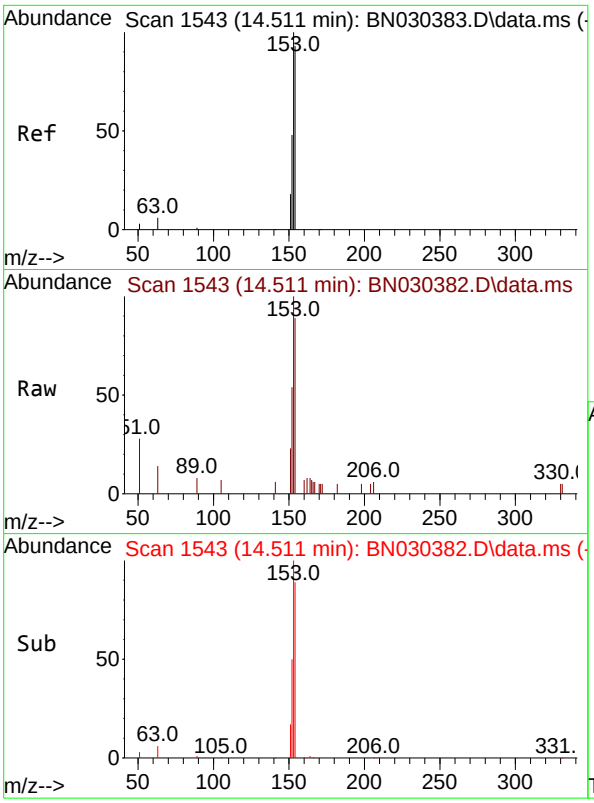


#16
Acenaphthylene
Concen: 0.201 ng
RT: 14.169 min Scan# 1511
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:152 Resp: 1874

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	13.0	10.4	15.6





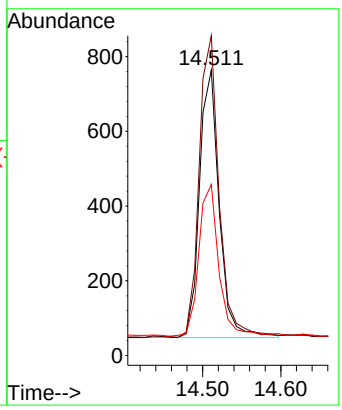
#17
Acenaphthene
Concen: 0.206 ng
RT: 14.511 min Scan# 1

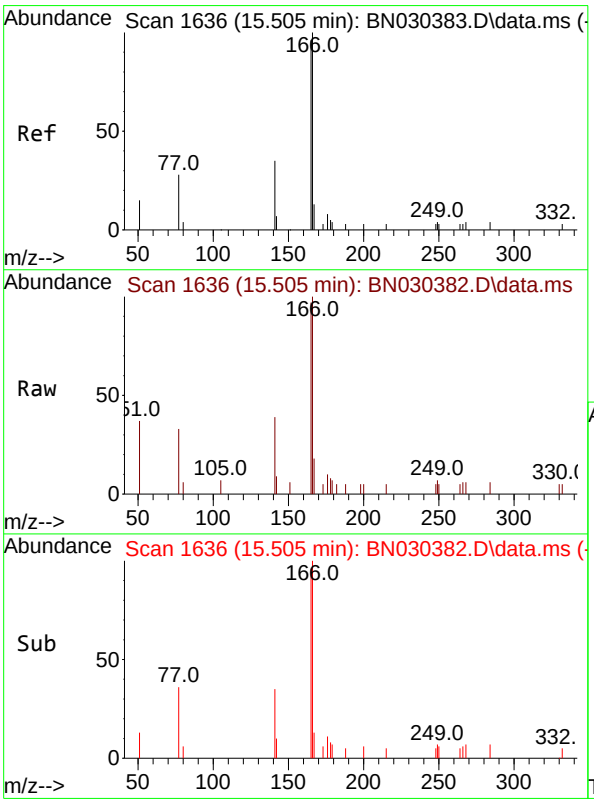
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:154 Resp: 1260

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.6	137.4
152	57.7	45.9	68.9

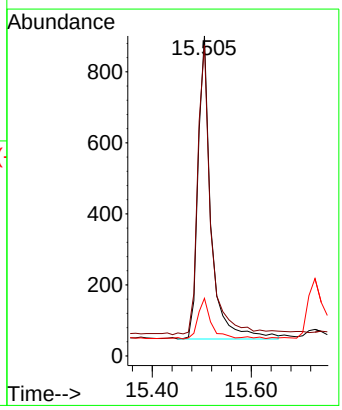


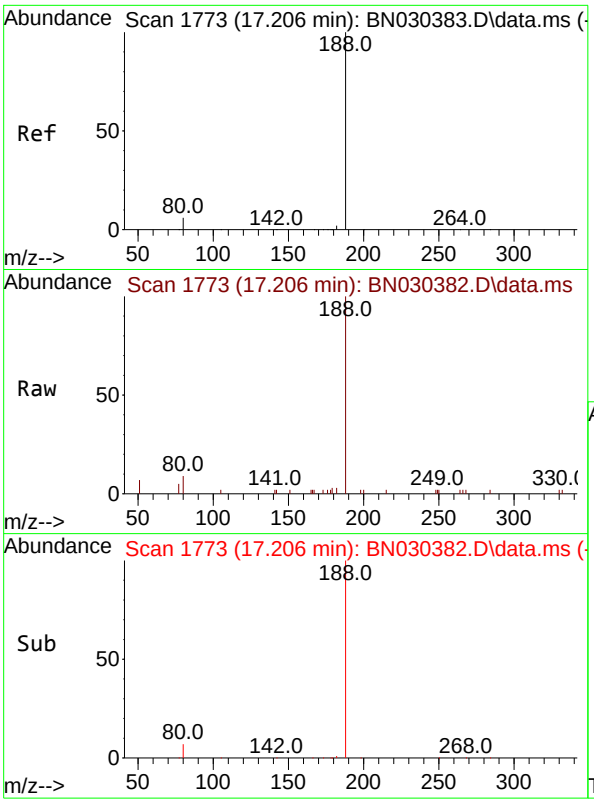


#18
Fluorene
Concen: 0.211 ng
RT: 15.505 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:166 Resp: 1597

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.0	118.4
167	12.7	10.2	15.4



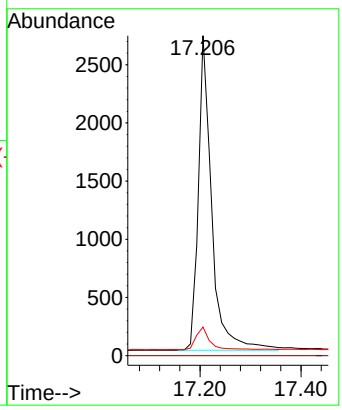


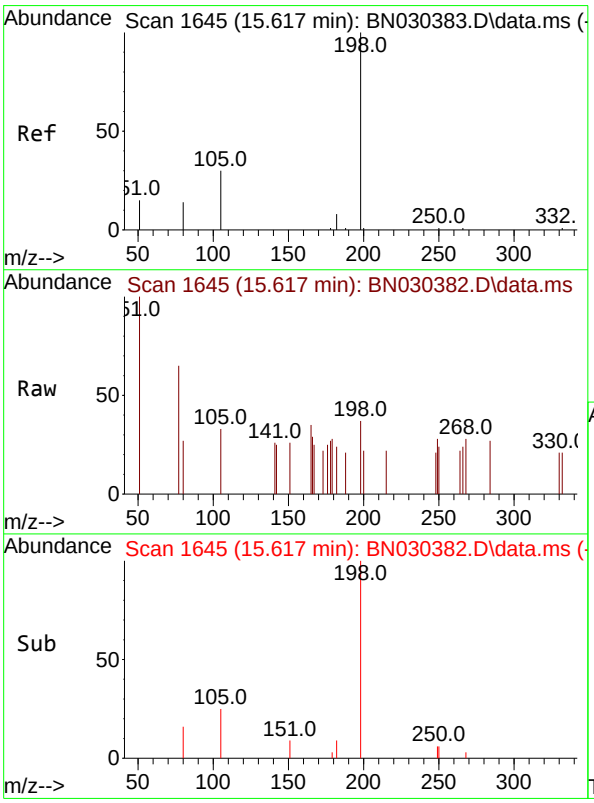
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 4992

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	6.4	9.6

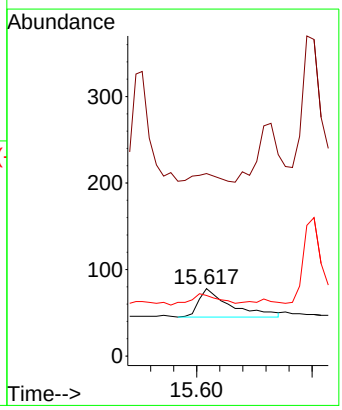


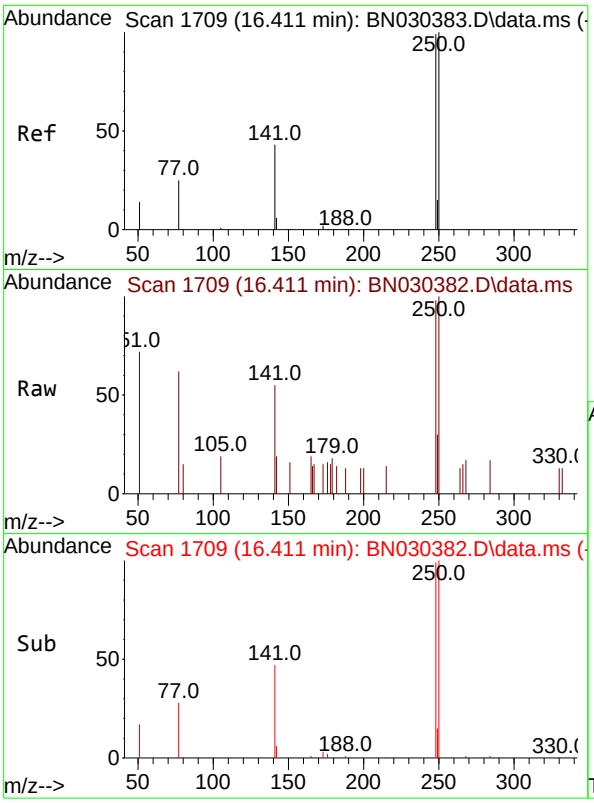


#20
4,6-Dinitro-2-methylphenol
Concen: 0.280 ng
RT: 15.617 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:198 Resp: 127

Ion	Ratio	Lower	Upper
198	100		
51	270.5	110.8	166.2#
105	89.7	51.7	77.5#



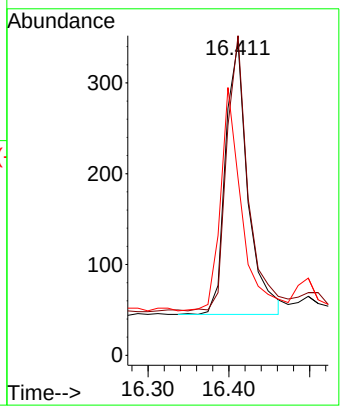


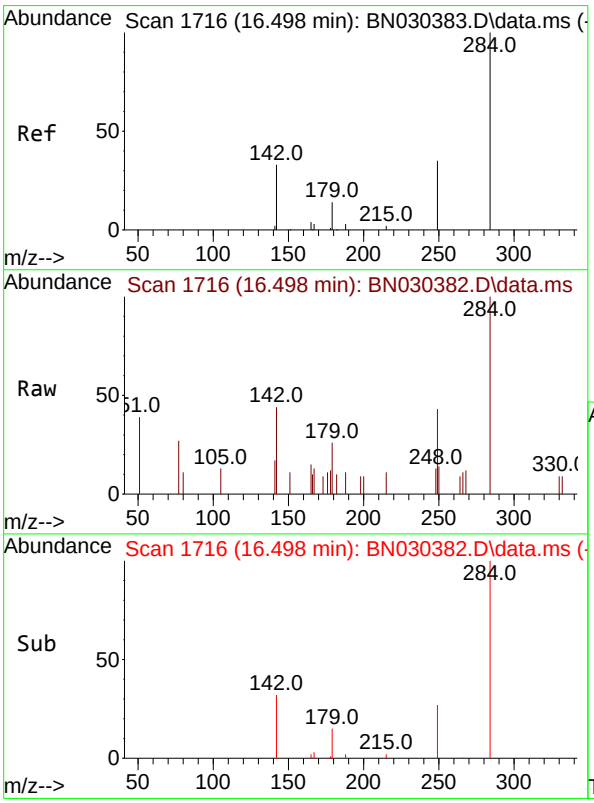
#21
4-Bromophenyl-phenylether
Concen: 0.196 ng
RT: 16.411 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 577

Ion	Ratio	Lower	Upper
248	100		
250	102.0	81.0	121.4
141	56.5	39.2	58.8

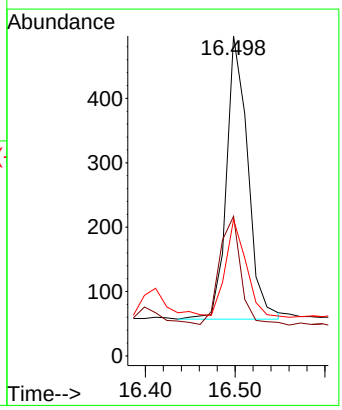


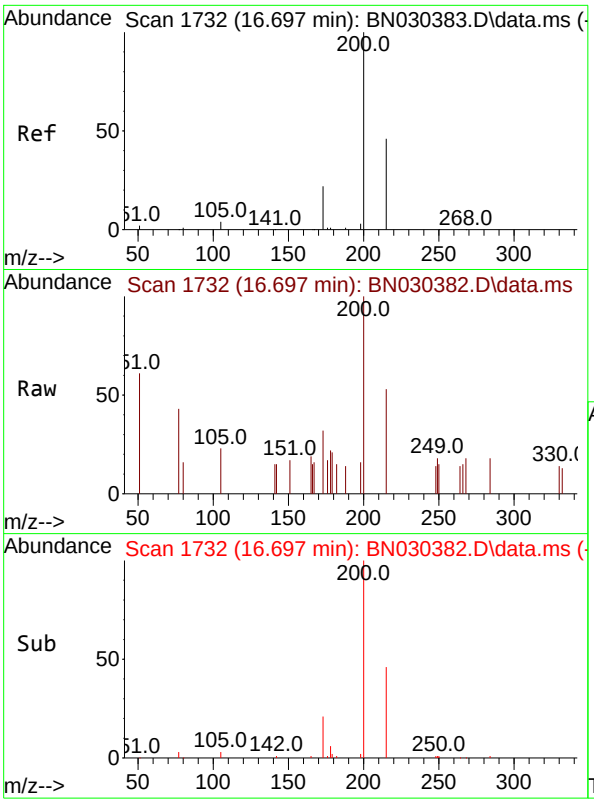


#22
Hexachlorobenzene
Concen: 0.205 ng
RT: 16.498 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:284 Resp: 723

Ion	Ratio	Lower	Upper
284	100		
142	38.2	29.7	44.5
249	32.5	27.2	40.8



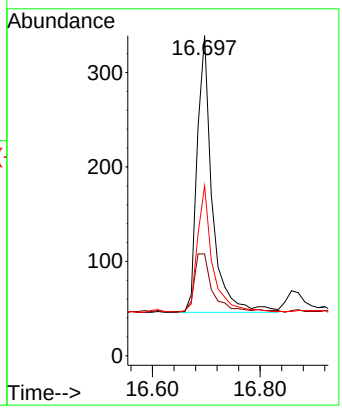


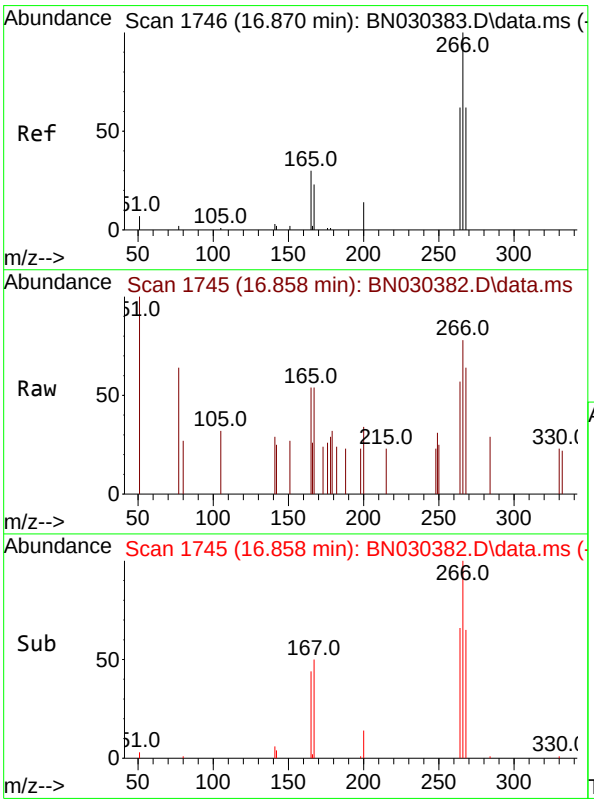
#23
Atrazine
Concen: 0.214 ng
RT: 16.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 567

Ion	Ratio	Lower	Upper
200	100		
173	31.9	23.5	35.3
215	53.1	41.3	61.9

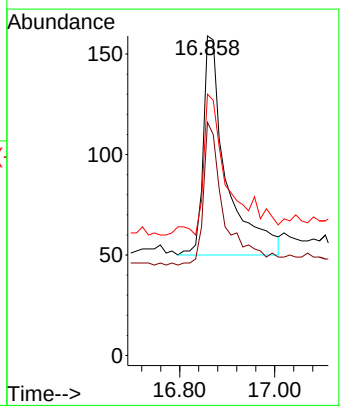


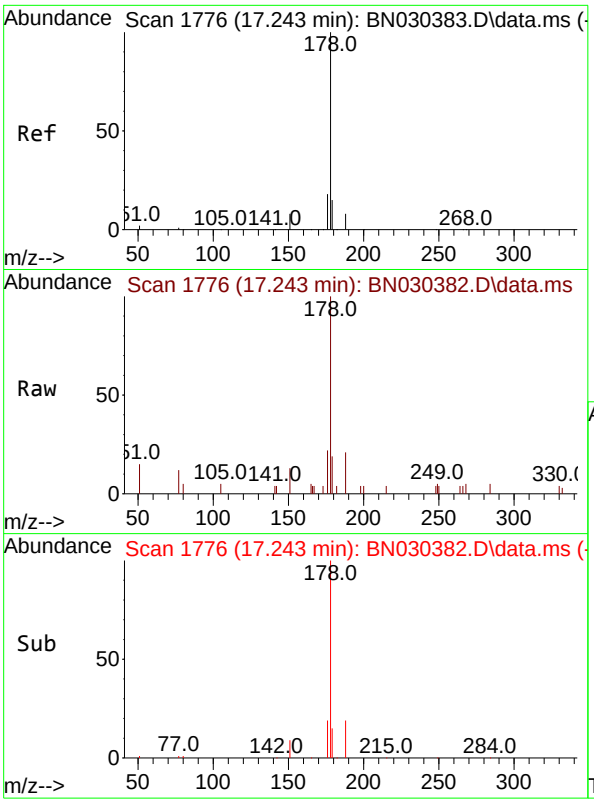


#24
Pentachlorophenol
Concen: 0.200 ng
RT: 16.858 min Scan# 1745
Delta R.T. -0.012 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:266 Resp: 369

Ion	Ratio	Lower	Upper
266	100		
264	59.6	50.9	76.3
268	52.0	54.2	81.4#



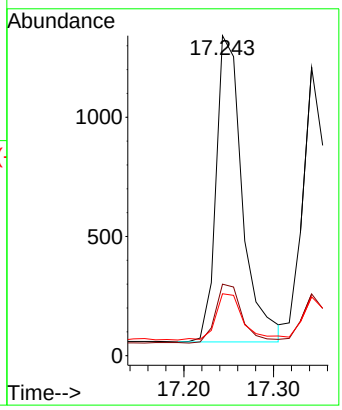


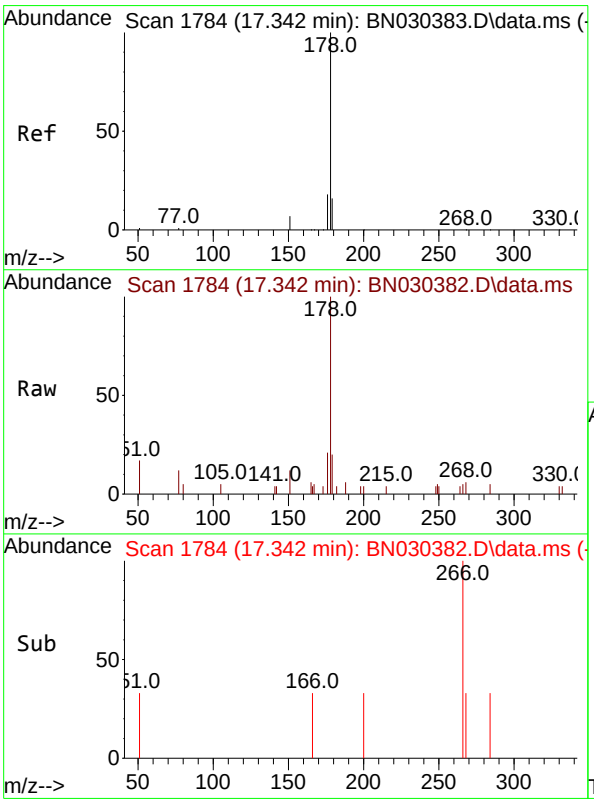
#25
Phenanthrene
Concen: 0.197 ng
RT: 17.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 2616

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	15.3	12.1	18.1

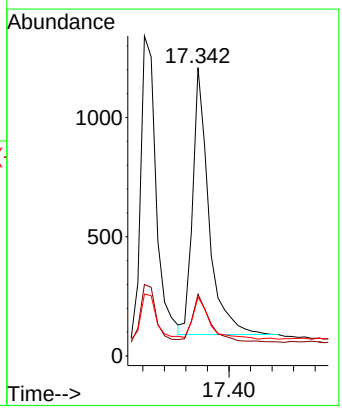


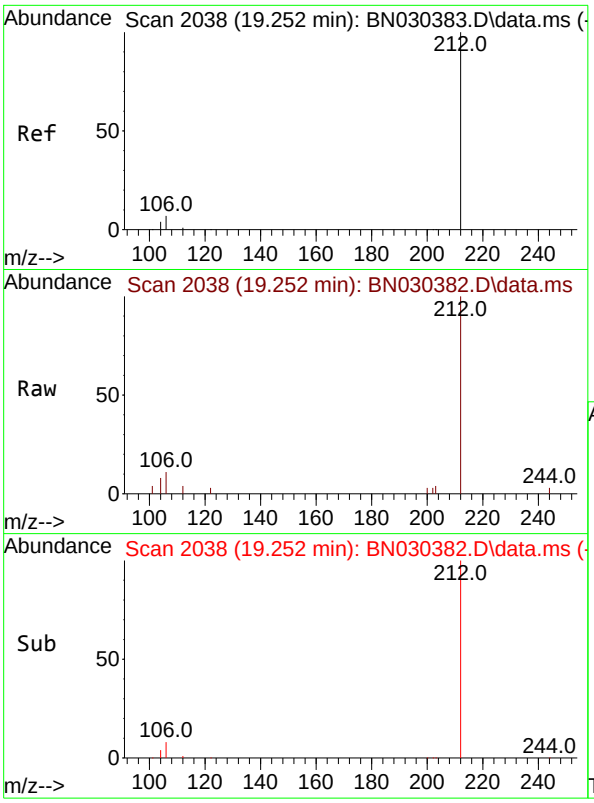


#26
Anthracene
Concen: 0.192 ng
RT: 17.342 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:178 Resp: 2332

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	16.9	11.8	17.6



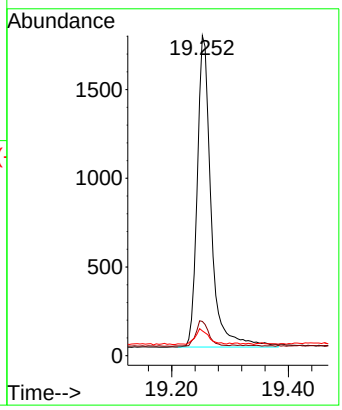


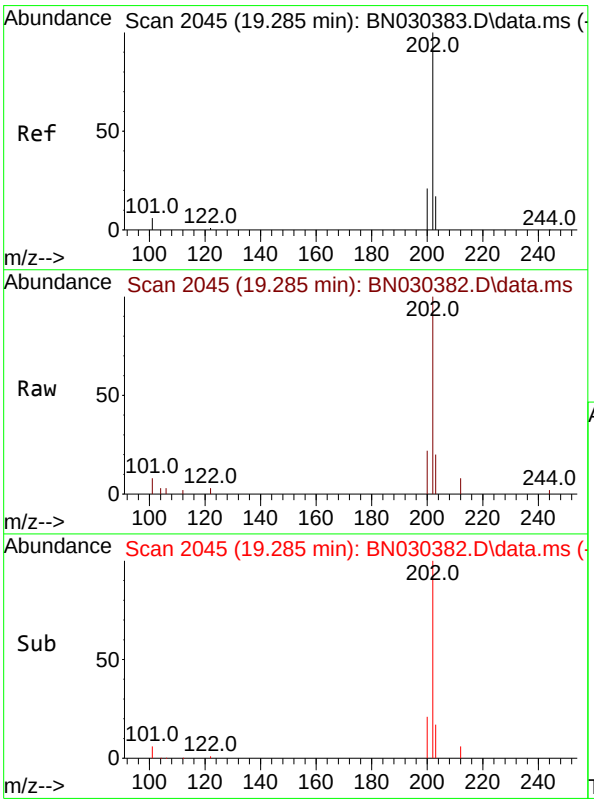
#27
Fluoranthene-d10
Concen: 0.201 ng
RT: 19.252 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 2905

Ion	Ratio	Lower	Upper
212	100		
106	7.7	6.0	9.0
104	5.0	3.4	5.0

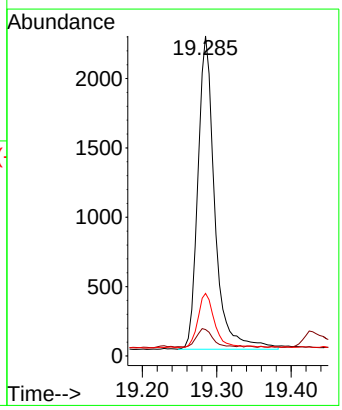


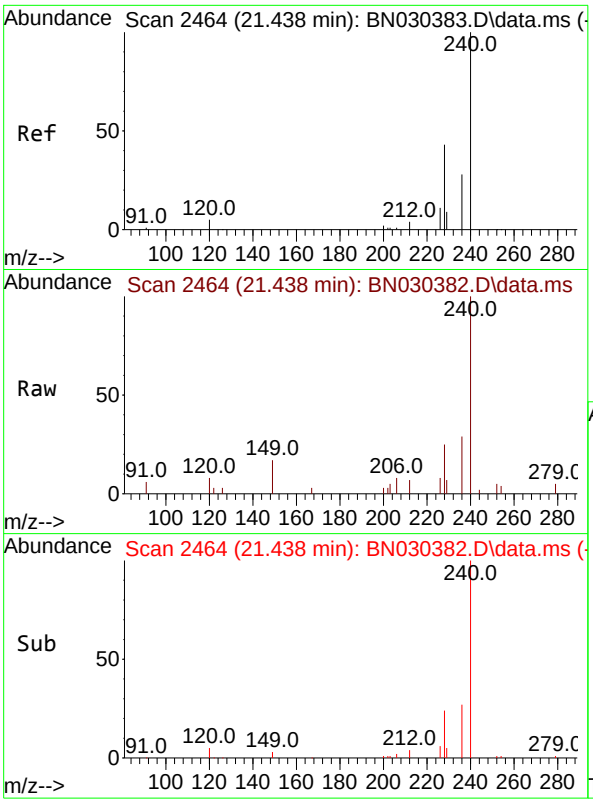


#28
Fluoranthene
Concen: 0.198 ng
RT: 19.285 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:202 Resp: 3557

Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	6.8
203	17.4	13.4	20.0



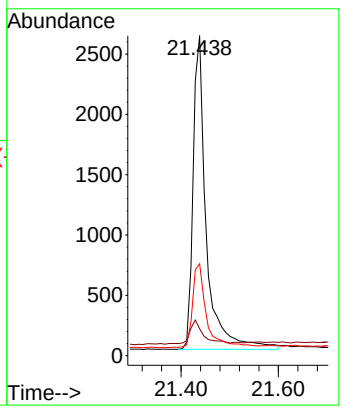


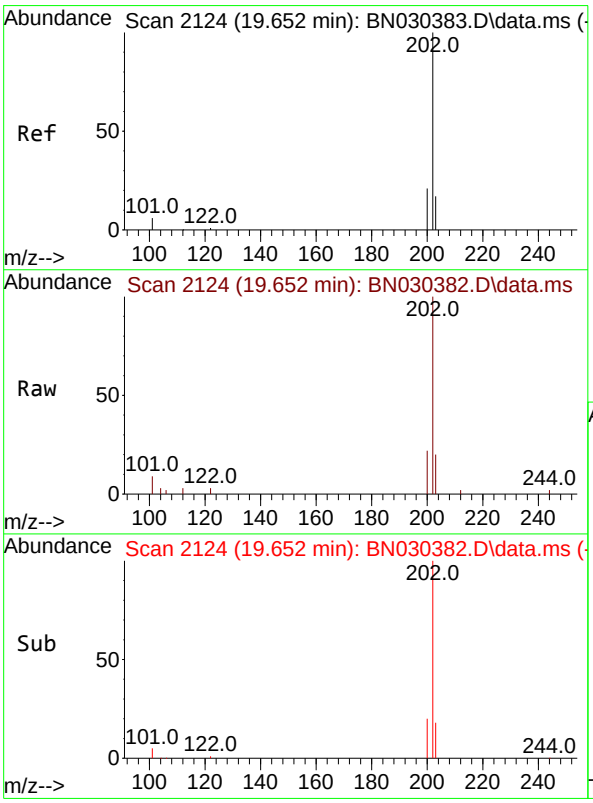
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.438 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 4915

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.7	10.1
236	28.7	23.8	35.8

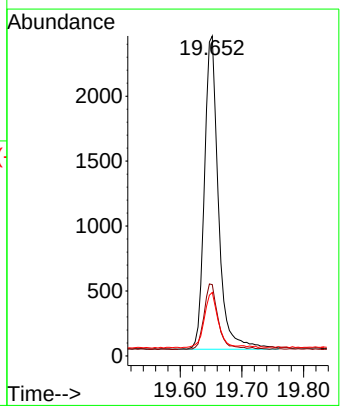


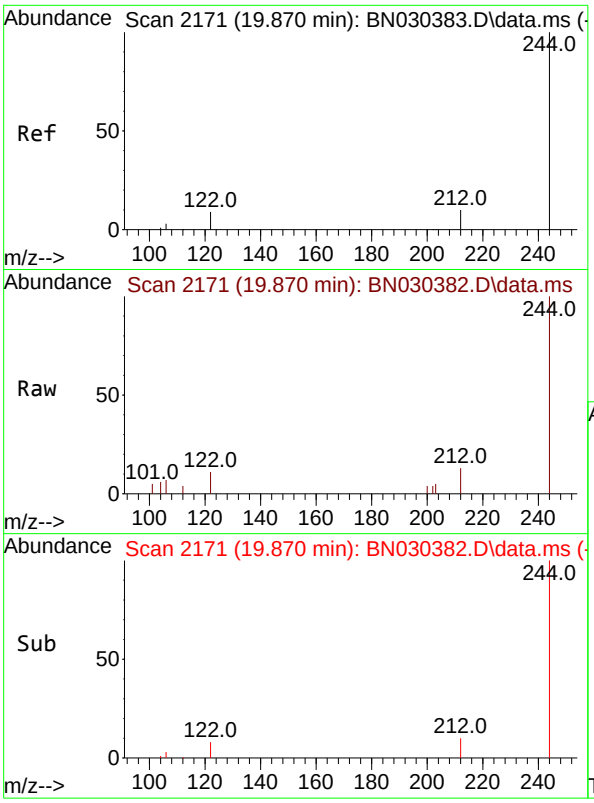


#30
Pyrene
Concen: 0.207 ng
RT: 19.652 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:202 Resp: 3794

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.3	13.8	20.8



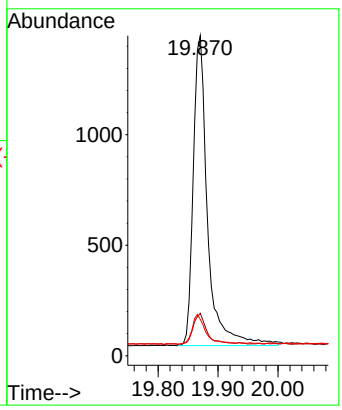


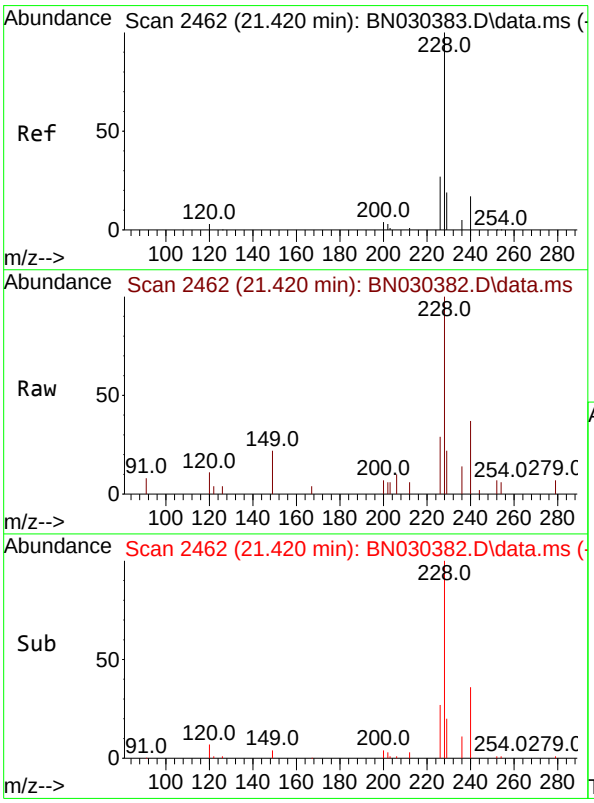
#31
Terphenyl-d14
Concen: 0.209 ng
RT: 19.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 2336

Ion	Ratio	Lower	Upper
244	100		
212	13.3	9.8	14.6
122	11.4	8.6	12.8

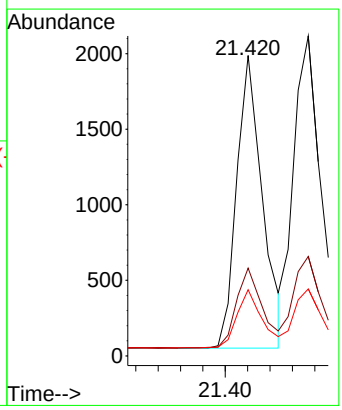


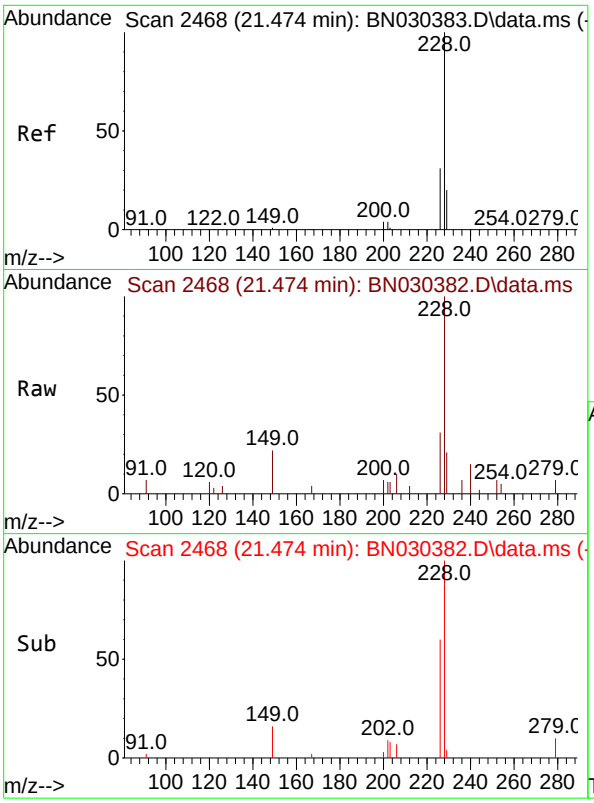


#32
Benzo(a)anthracene
Concen: 0.190 ng
RT: 21.420 min Scan# 2462
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:228 Resp: 3099

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.2	33.2
229	22.0	16.4	24.6



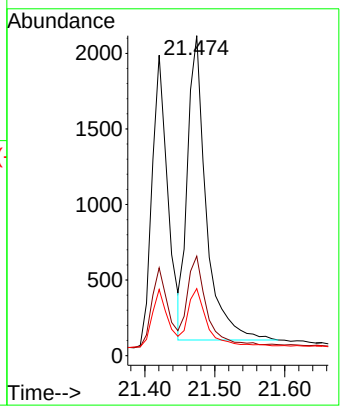


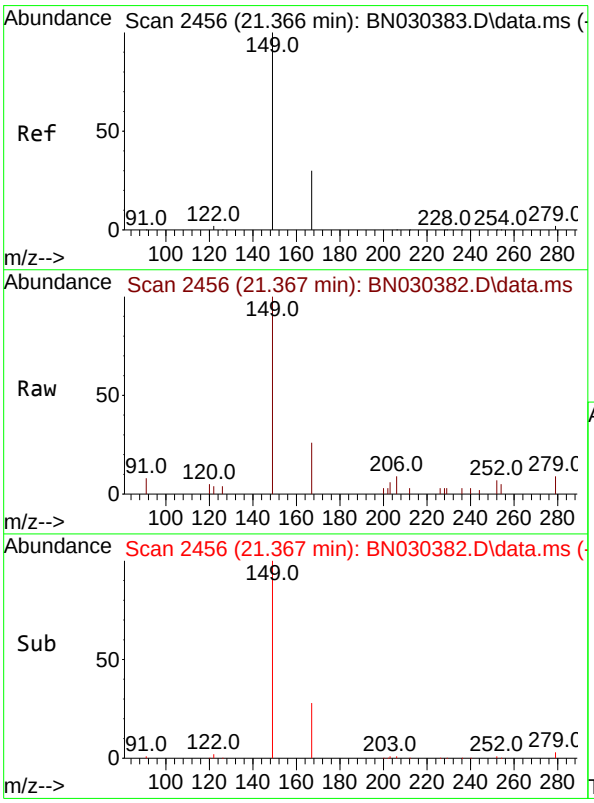
#33
Chrysene
Concen: 0.207 ng
RT: 21.474 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 3732

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.9	16.9	25.3

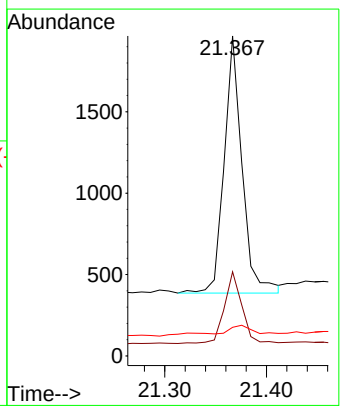


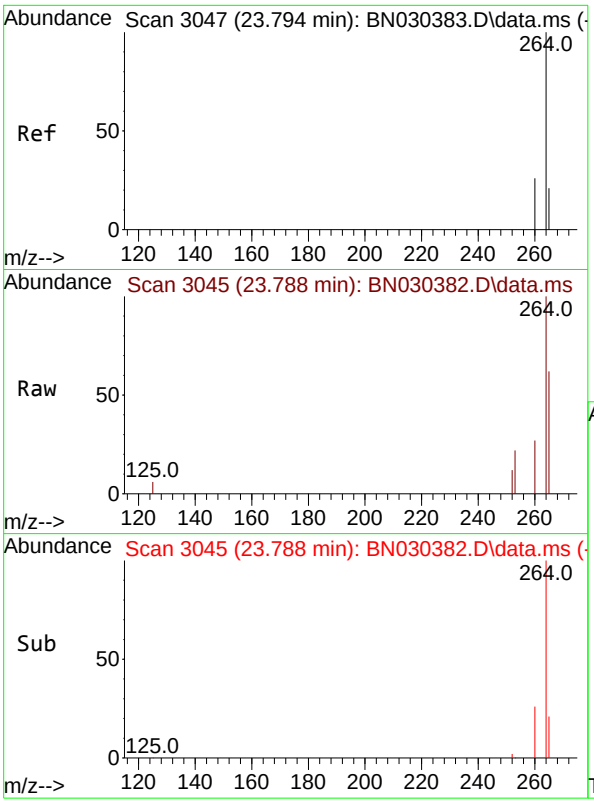


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.226 ng
RT: 21.367 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:149 Resp: 1931

Ion	Ratio	Lower	Upper
149	100		
167	27.3	23.8	35.6
279	4.4	5.1	7.7#



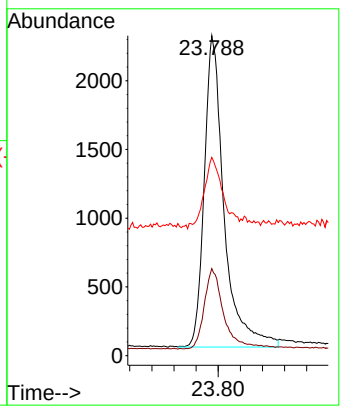


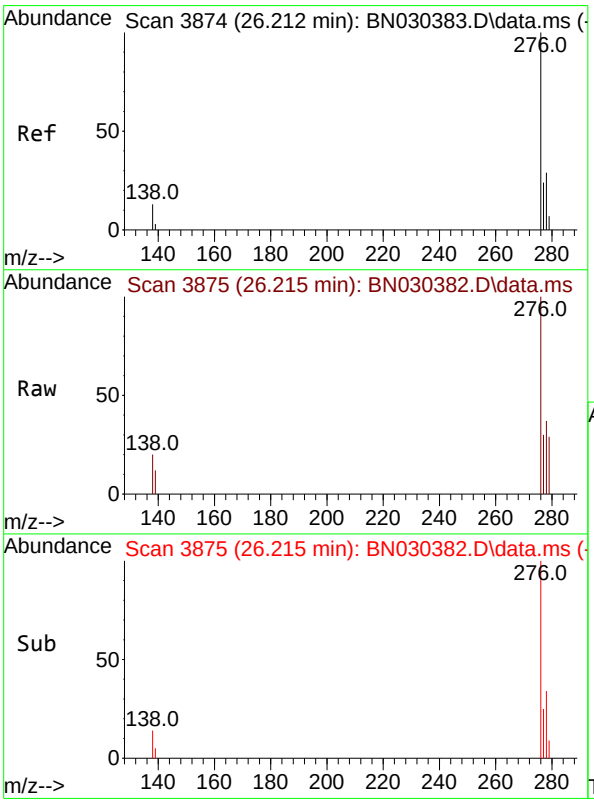
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.788 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 5623

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	61.9	50.6	75.8

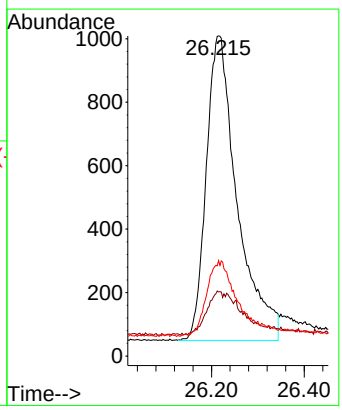


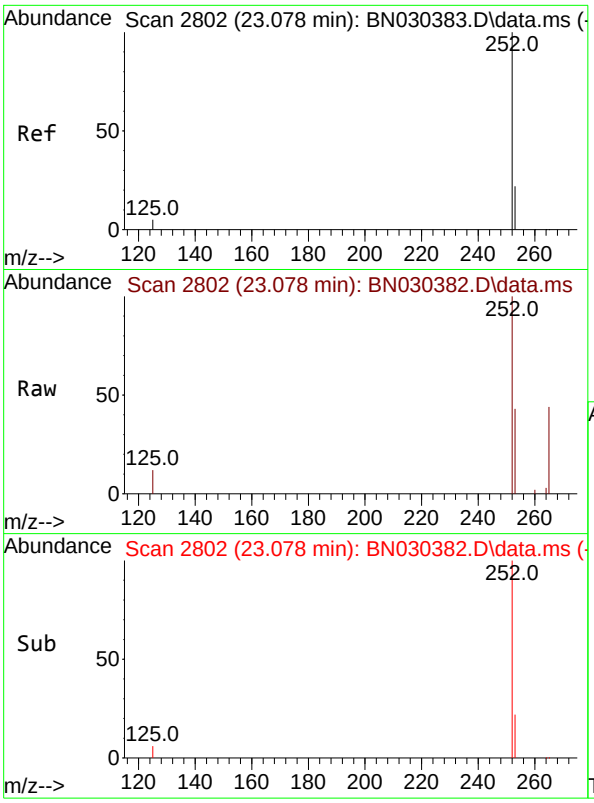


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.186 ng
RT: 26.215 min Scan# 3875
Delta R.T. 0.003 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:276 Resp: 4457

Ion	Ratio	Lower	Upper
276	100		
138	7.0	5.1	7.7
277	10.3	18.4	27.6#



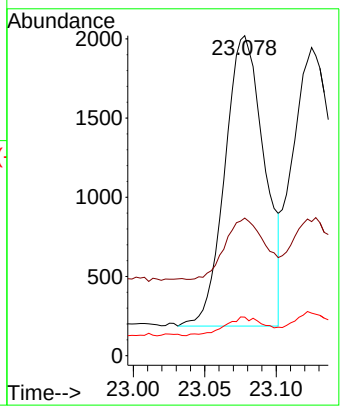


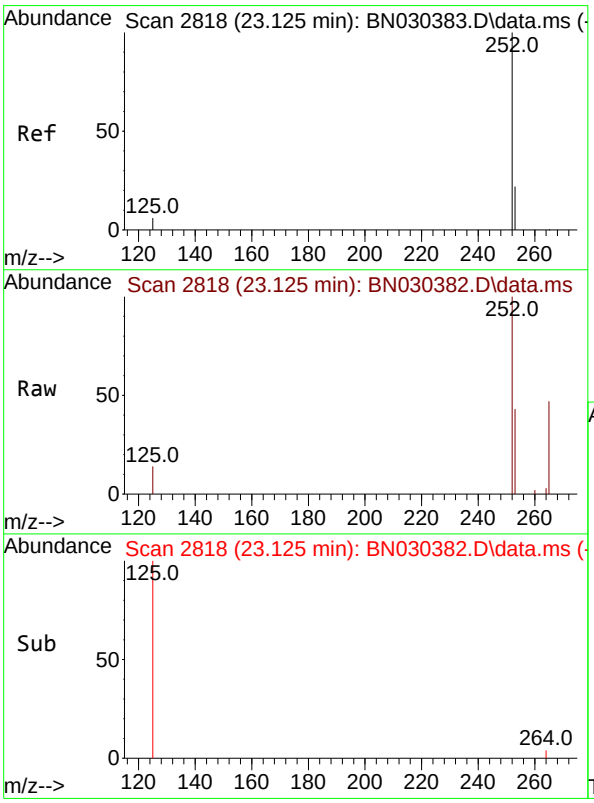
#37
Benzo(b)fluoranthene
Concen: 0.192 ng
RT: 23.078 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3528

Ion	Ratio	Lower	Upper
252	100		
253	43.0	26.7	40.1#
125	12.0	6.8	10.2#

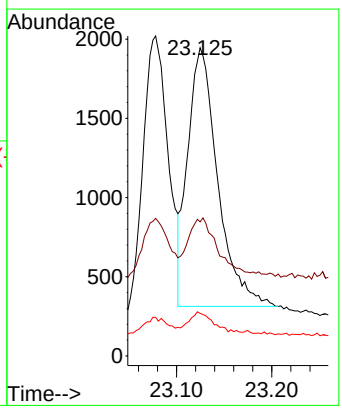


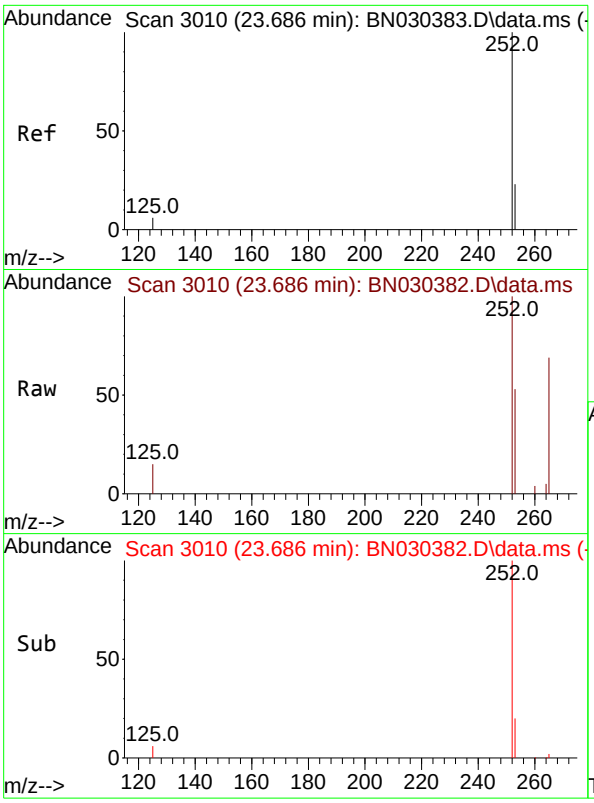


#38
Benzo(k)fluoranthene
Concen: 0.193 ng
RT: 23.125 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:252 Resp: 3580

Ion	Ratio	Lower	Upper
252	100		
253	43.5	26.6	39.8#
125	13.8	7.2	10.8#



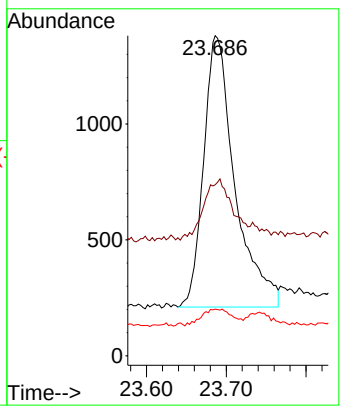


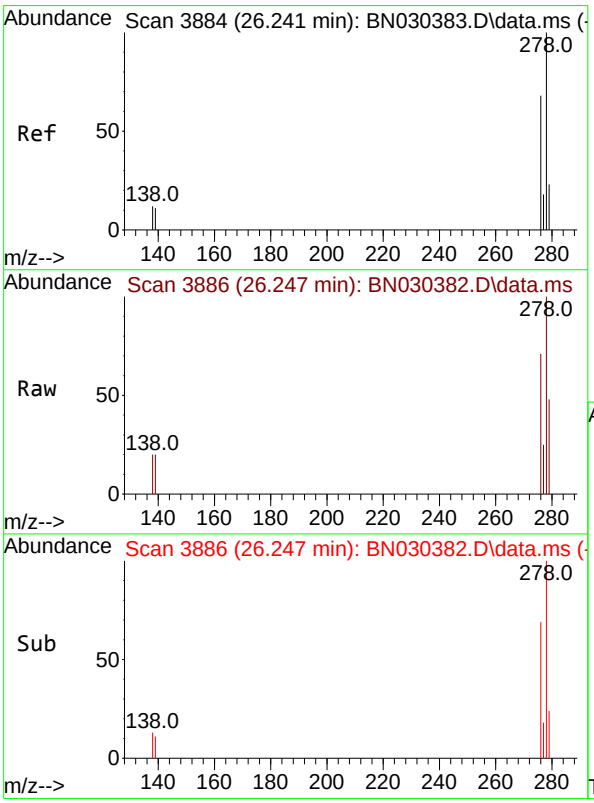
#39
Benzo(a)pyrene
Concen: 0.187 ng
RT: 23.686 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3192

Ion	Ratio	Lower	Upper
252	100		
253	53.4	31.5	47.3#
125	14.6	8.6	12.8#

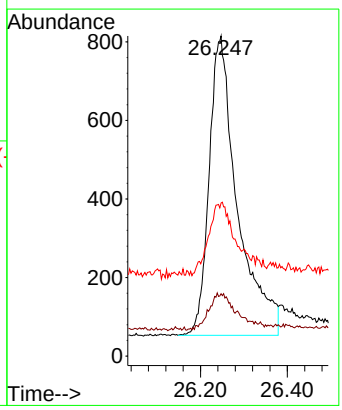


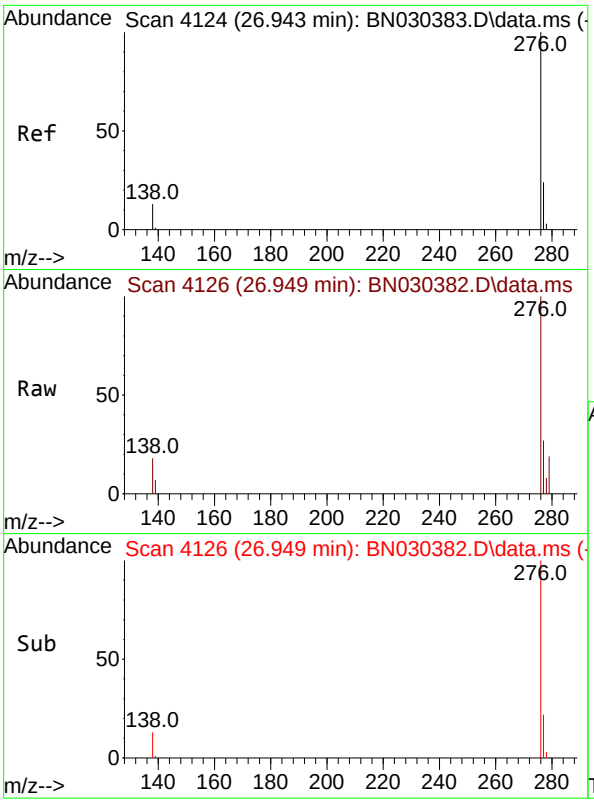


#40
Dibenzo(a,h)anthracene
Concen: 0.182 ng
RT: 26.247 min Scan# 3886
Delta R.T. 0.006 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Tgt Ion:278 Resp: 3445

Ion	Ratio	Lower	Upper
278	100		
139	19.5	11.8	17.6#
279	47.9	27.8	41.8#





#41
Benzo(g,h,i)perylene
Concen: 0.194 ng
RT: 26.949 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN030382.D
Acq: 13 Mar 2024 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 4327

Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.9	31.3
138	18.1	13.0	19.4