Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033024\
Data File : BN030538.D
Acq On : 29 Mar 2024 19:34
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 29 23:54:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN033024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 23:46:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.704	152	6874	0.400	ng		0.00
7) Naphthalene-d8	10.485	136	20412	0.400	ng		0.00
13) Acenaphthene-d10	14.338	164	11682	0.400	ng		0.00
19) Phenanthrene-d10	17.090	188	25812	0.400	ng		0.00
29) Chrysene-d12	21.285	240	24710	0.400	ng		0.00
35) Perylene-d12	23.530	264	21980	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.292	112	79054	5.282	ng		0.00
5) Phenol-d6	6.866	99	106370	5.528	ng		0.00
8) Nitrobenzene-d5	8.851	82	77046	5.371	ng		0.00
11) 2-Methylnaphthalene-d10	12.081	152	160684	5.146	ng		0.00
14) 2,4,6-Tribromophenol	15.836	330	27754	6.289	ng		0.00
15) 2-Fluorobiphenyl	12.969	172	217626	4.819	ng		0.00
27) Fluoranthene-d10	19.126	212	372910	5.359	ng		0.00
31) Terphenyl-d14	19.730	244	280145	4.908	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.233	88	37142	4.478	ng		97
3) n-Nitrosodimethylamine	3.537	42	41518	5.177	ng		100
6) bis(2-Chloroethyl)ether	7.133	93	96396	5.075	ng		97
9) Naphthalene	10.538	128	283148	5.005	ng		99
10) Hexachlorobutadiene	10.816	225	55799	4.830	ng	#	99
12) 2-Methylnaphthalene	12.156	142	189721	5.108	ng		99
16) Acenaphthylene	14.060	152	294345	5.563	ng		100
17) Acenaphthene	14.402	154	191158	5.216	ng		96
18) Fluorene	15.396	166	249043	5.219	ng		100
21) 4-Bromophenyl-phenylether	16.283	248	81190	5.203	ng		95
22) Hexachlorobenzene	16.395	284	93146	5.003	ng		98
23) Atrazine	16.556	200	65268	5.753	ng		98
25) Phenanthrene	17.127	178	391196	5.109	ng		99
26) Anthracene	17.226	178	360889	5.621	ng		100
28) Fluoranthene	19.154	202	476555	5.238	ng		100
30) Pyrene	19.521	202	490602	5.073	ng		100
32) Benzo(a)anthracene	21.267	228	468733	5.356	ng		100
33) Chrysene	21.321	228	461364	4.918	ng		99
34) Bis(2-ethylhexyl)phtha...	21.213	149	234914	6.189	ng		99
36) Indeno(1,2,3-cd)pyrene	25.796	276	517520	5.318	ng		99
37) Benzo(b)fluoranthene	22.852	252	469354	5.248	ng	#	94
38) Benzo(k)fluoranthene	22.899	252	465473	5.187	ng	#	94
39) Benzo(a)pyrene	23.431	252	395526	5.523	ng	#	91
40) Dibenzo(a,h)anthracene	25.814	278	409216	5.303	ng		97
41) Benzo(g,h,i)perylene	26.489	276	432139	5.210	ng		97

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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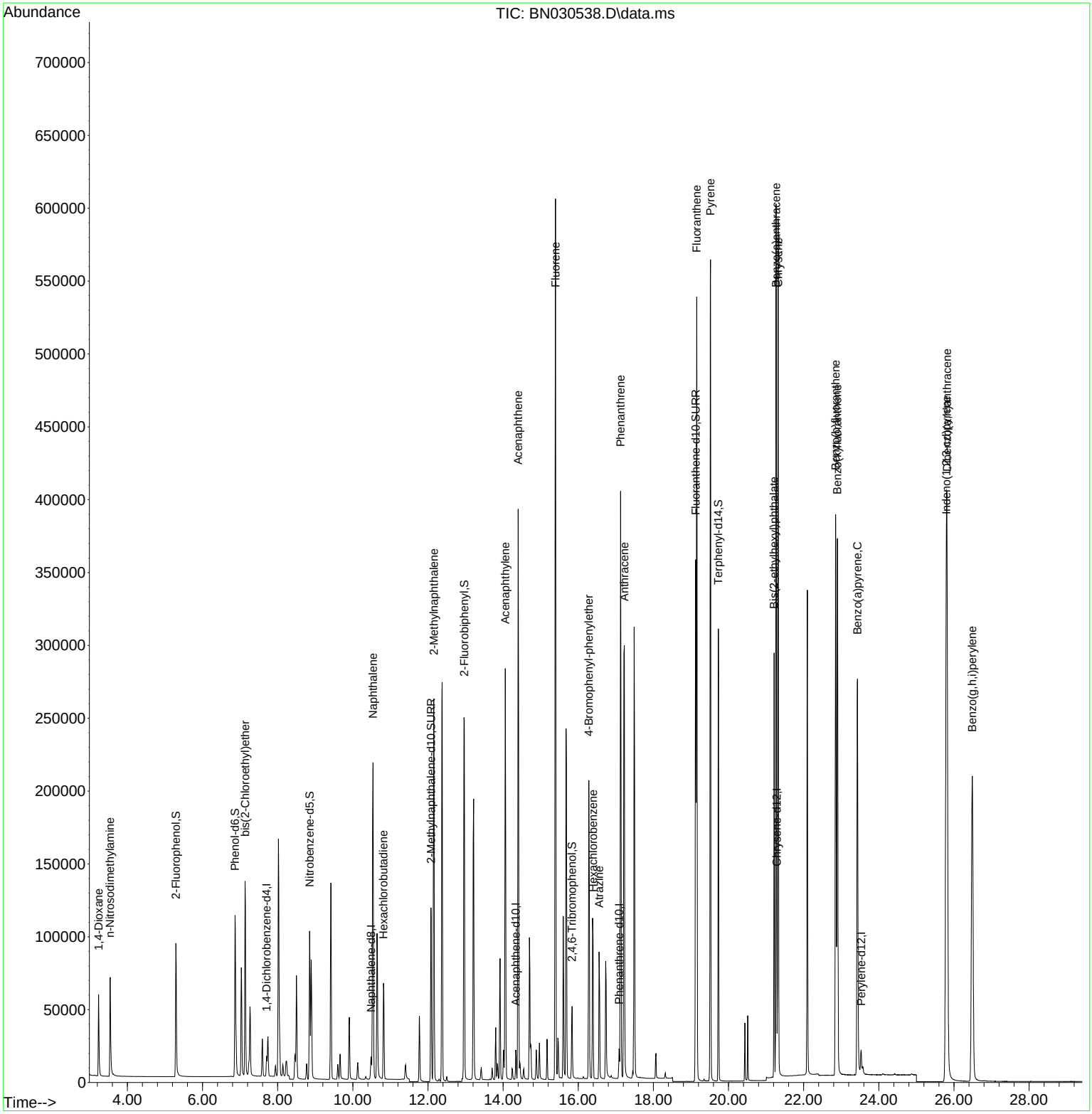
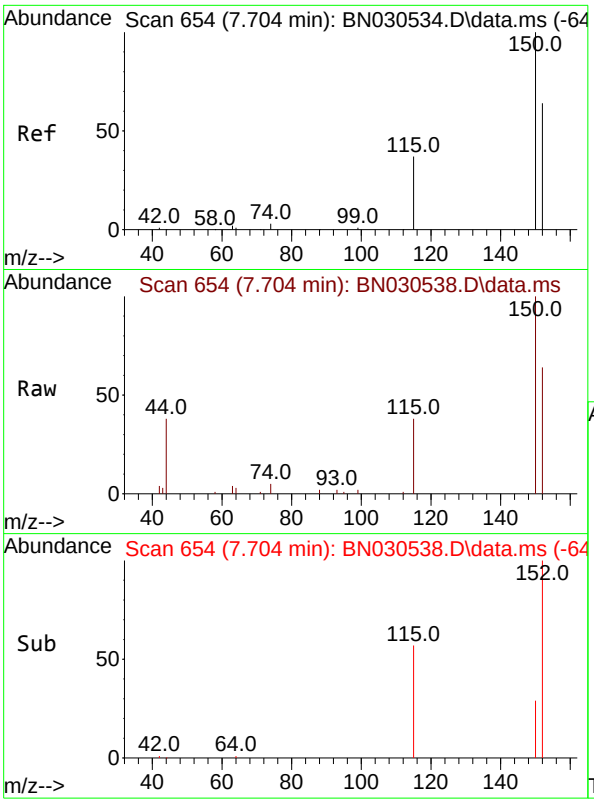
Response via : Initial Calibration



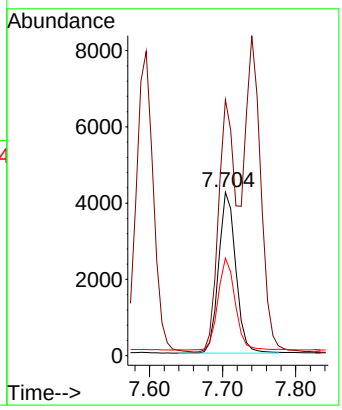


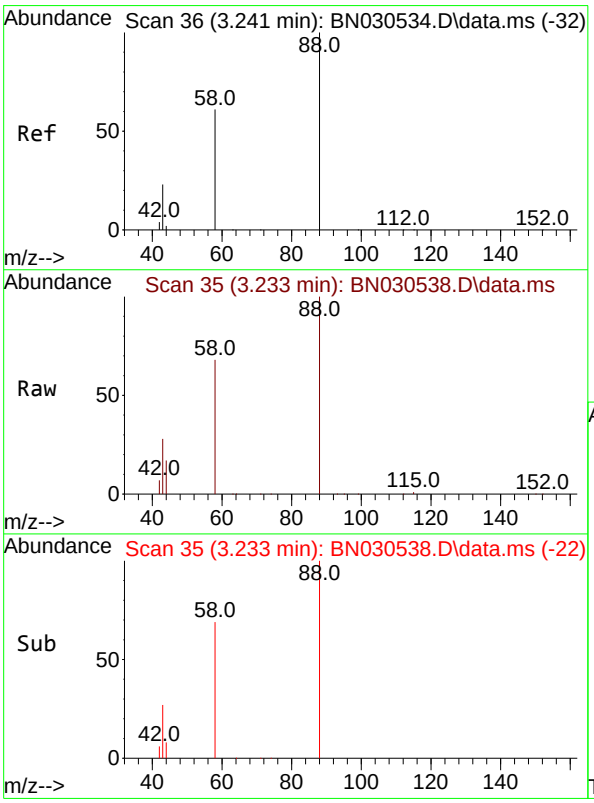
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.704 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 6874

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.2	186.4
115	59.7	48.6	72.8

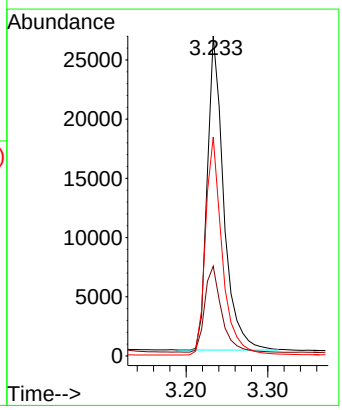


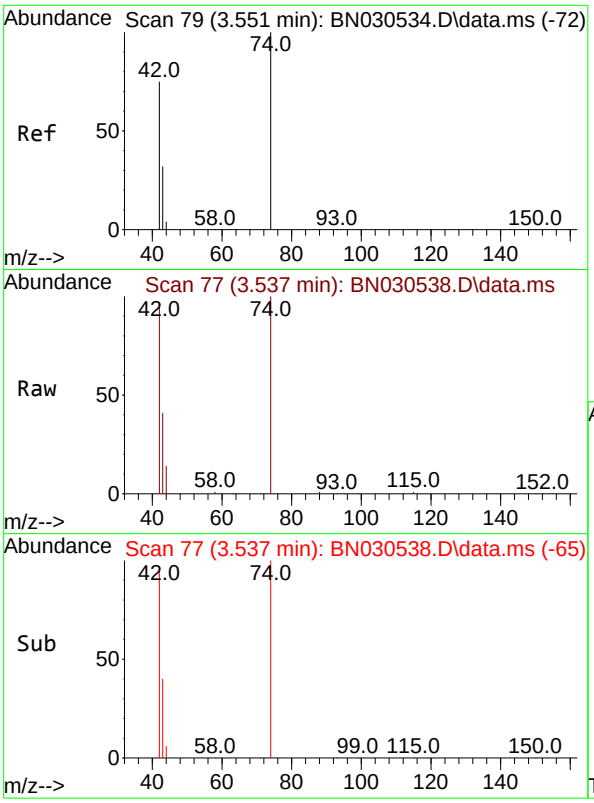


#2
1,4-Dioxane
Concen: 4.478 ng
RT: 3.233 min Scan# 35
Delta R.T. -0.007 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion: 88 Resp: 37142

Ion	Ratio	Lower	Upper
88	100		
43	28.1	21.9	32.9
58	70.3	53.4	80.2



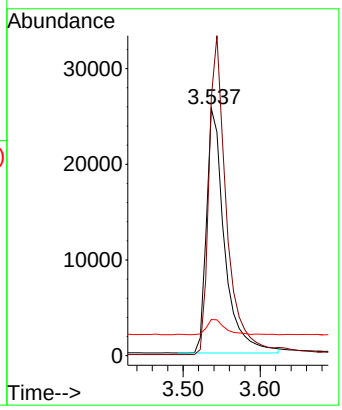


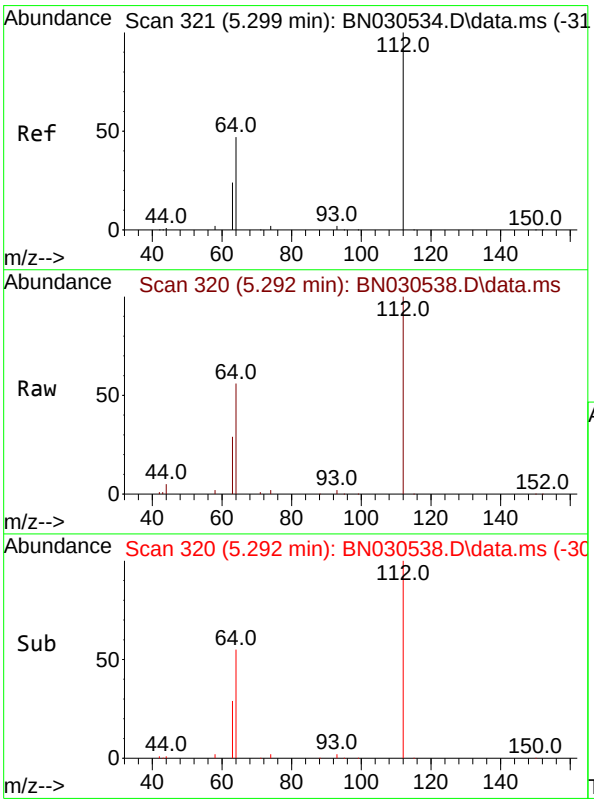
#3
n-Nitrosodimethylamine
Concen: 5.177 ng
RT: 3.537 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 41518

Ion	Ratio	Lower	Upper
42	100		
74	126.5	100.9	151.3
44	6.3	5.8	8.6

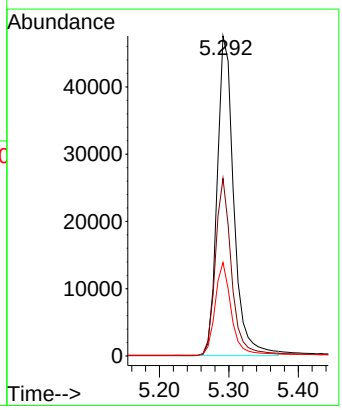


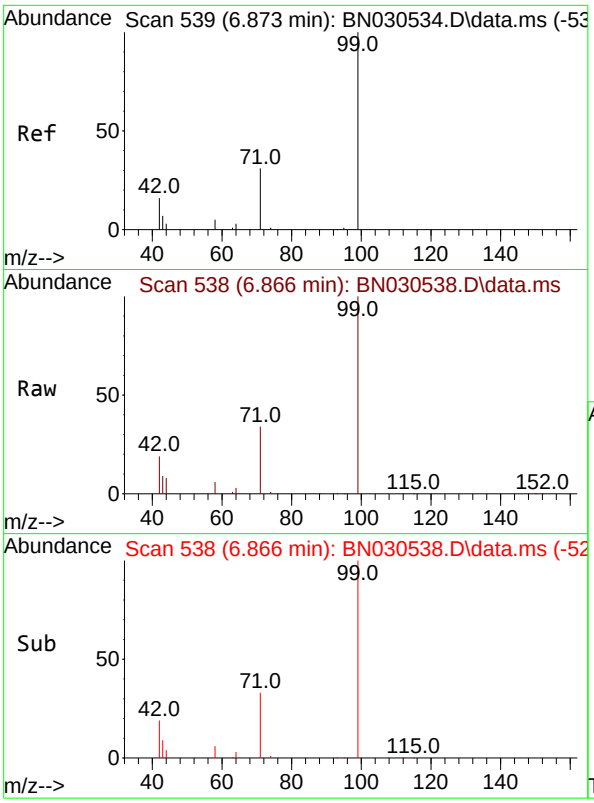


#4
2-Fluorophenol
Concen: 5.282 ng
RT: 5.292 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:112 Resp: 79054

Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.2	64.8
63	28.1	22.5	33.7



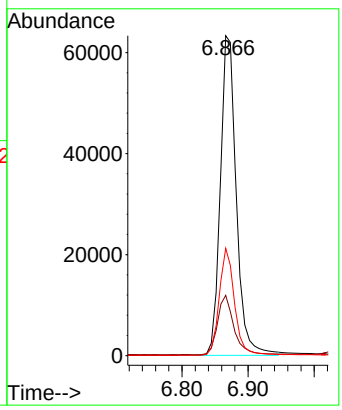


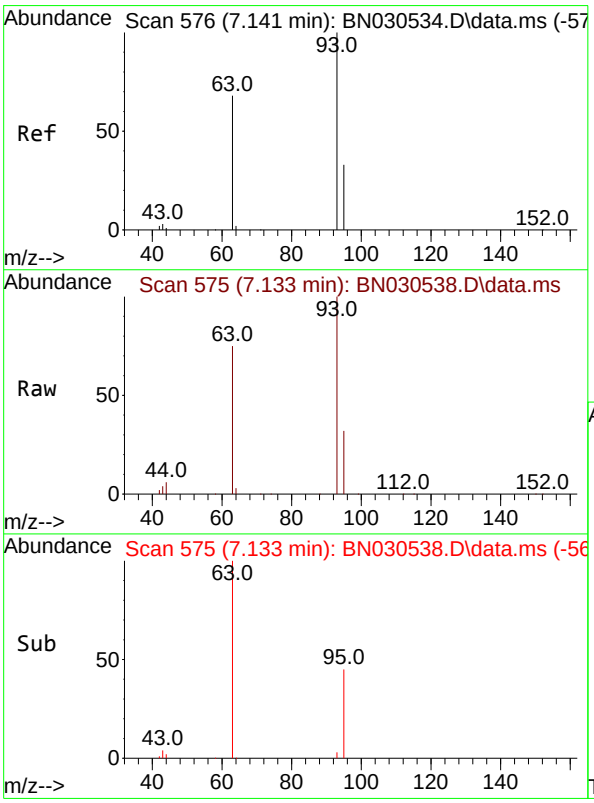
#5
Phenol-d6
Concen: 5.528 ng
RT: 6.866 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 106370

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.6
71	32.0	25.9	38.9

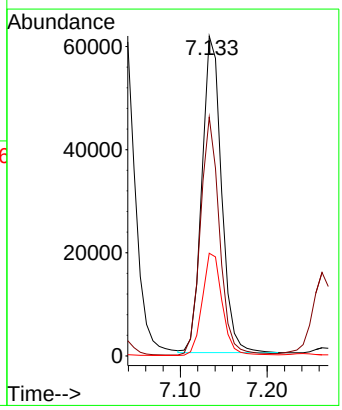


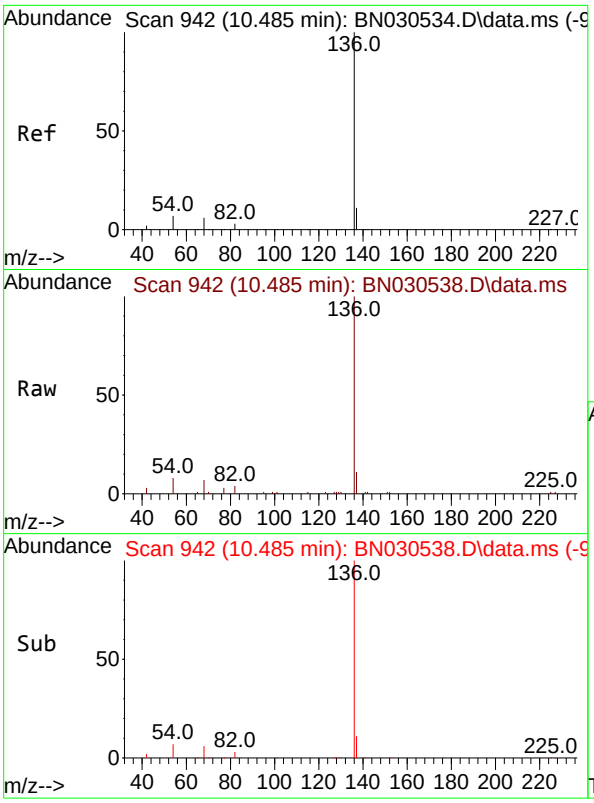


#6
bis(2-Chloroethyl)ether
Concen: 5.075 ng
RT: 7.133 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion: 93 Resp: 96396

Ion	Ratio	Lower	Upper
93	100		
63	73.1	60.5	90.7
95	33.0	27.5	41.3



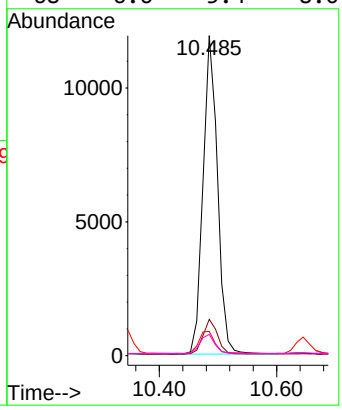


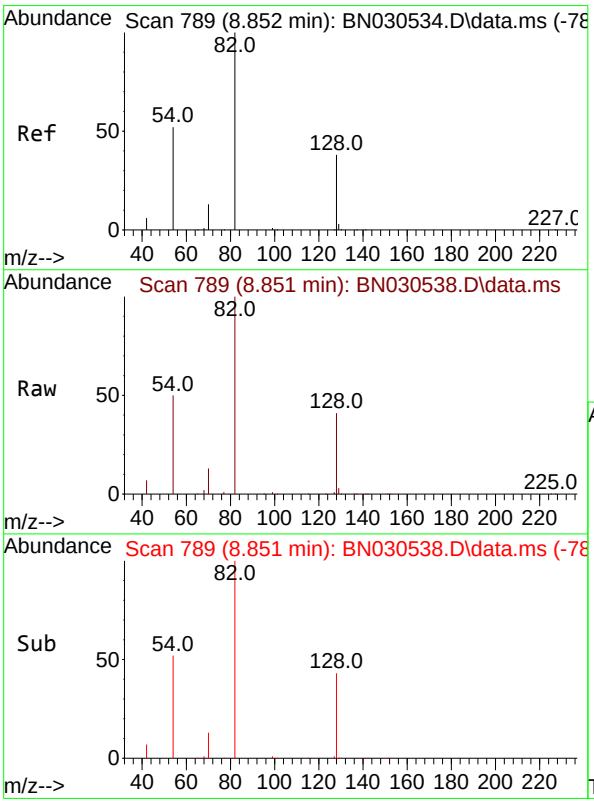
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.485 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 20412

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.6	6.4	9.6
68	6.6	5.4	8.0

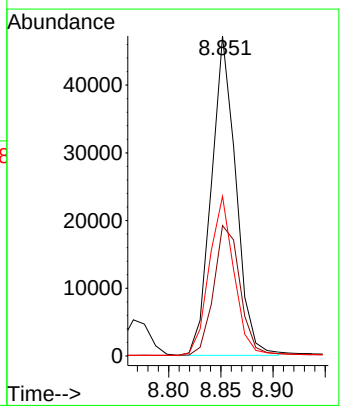


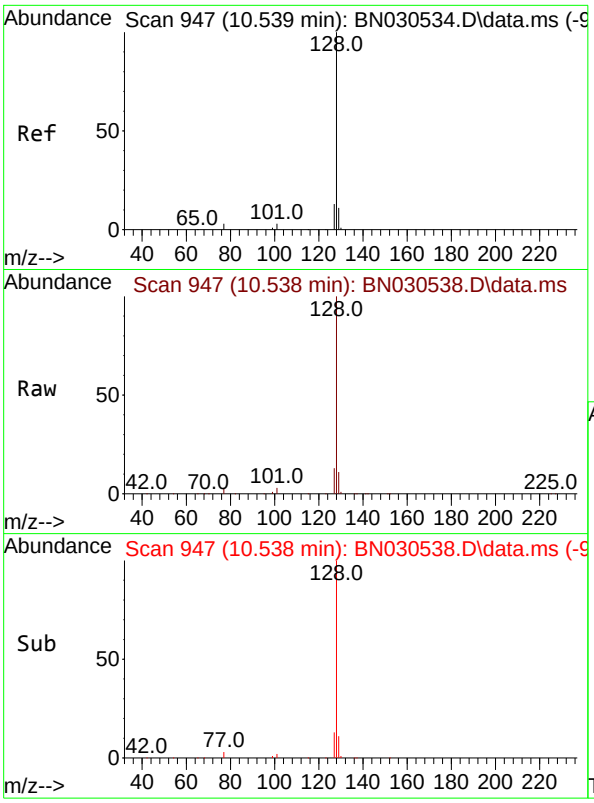


#8
Nitrobenzene-d5
Concen: 5.371 ng
RT: 8.851 min Scan# 789
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion: 82 Resp: 77046

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.3	48.5
54	49.9	42.7	64.1



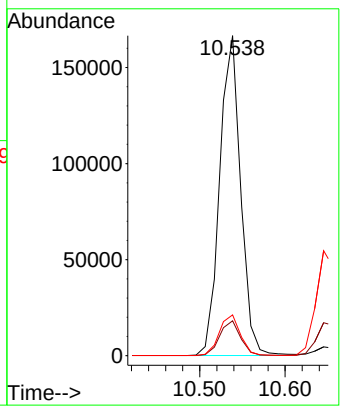


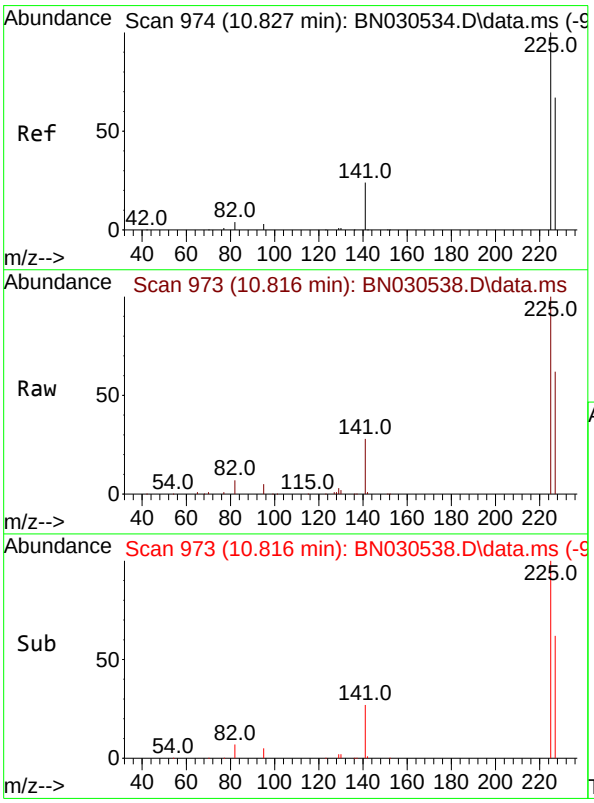
#9
Naphthalene
Concen: 5.005 ng
RT: 10.538 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 283148

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	10.5	15.7

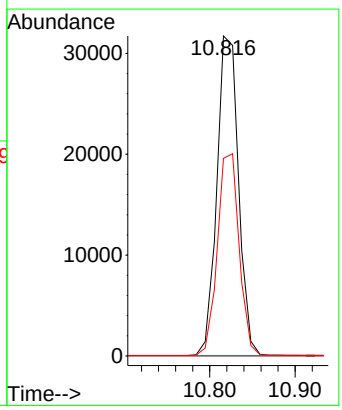


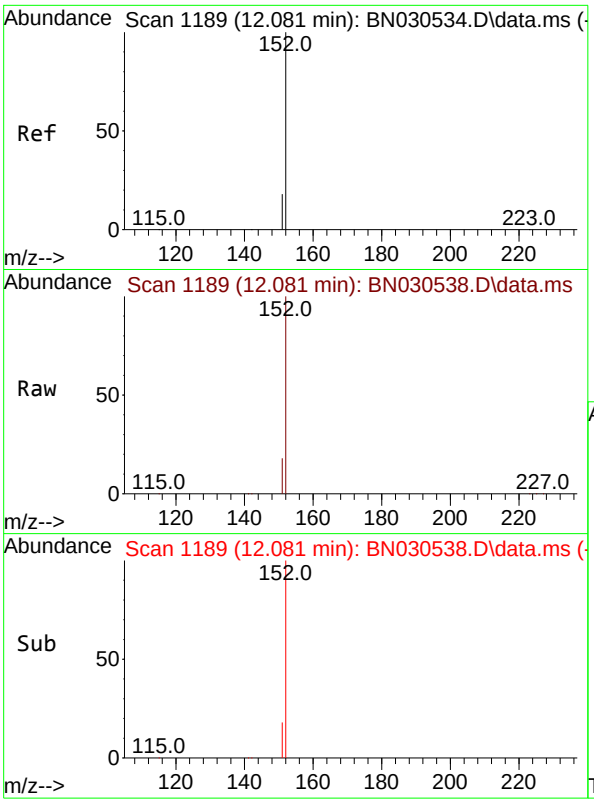


#10
Hexachlorobutadiene
Concen: 4.830 ng
RT: 10.816 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:225 Resp: 55799

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.4	77.2



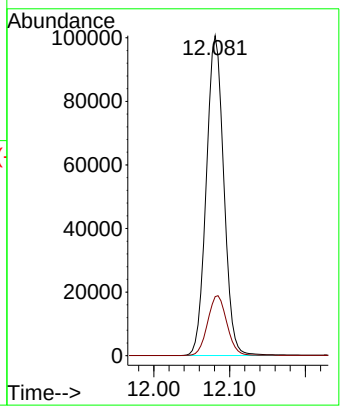


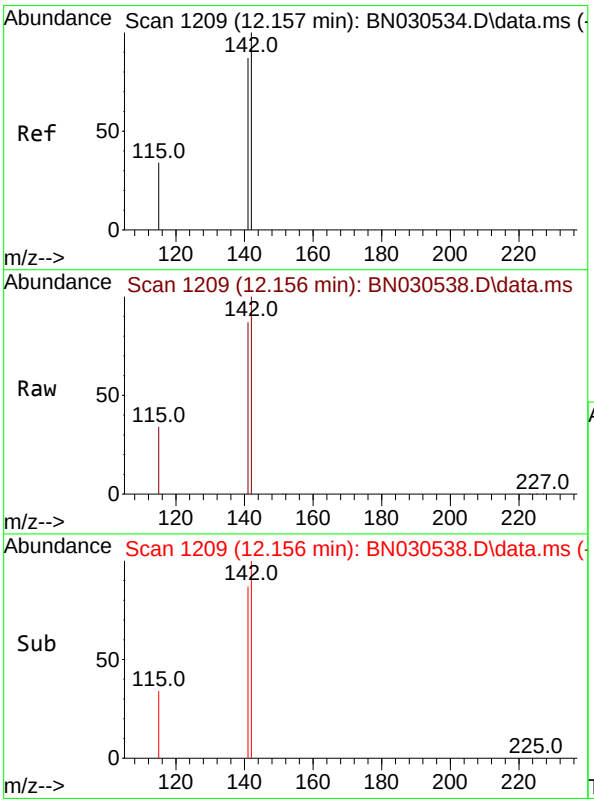
#11
2-Methylnaphthalene-d10
Concen: 5.146 ng
RT: 12.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 160684

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.7	25.1

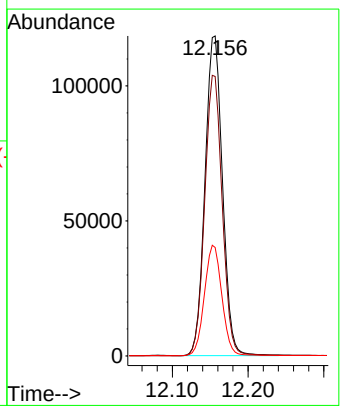


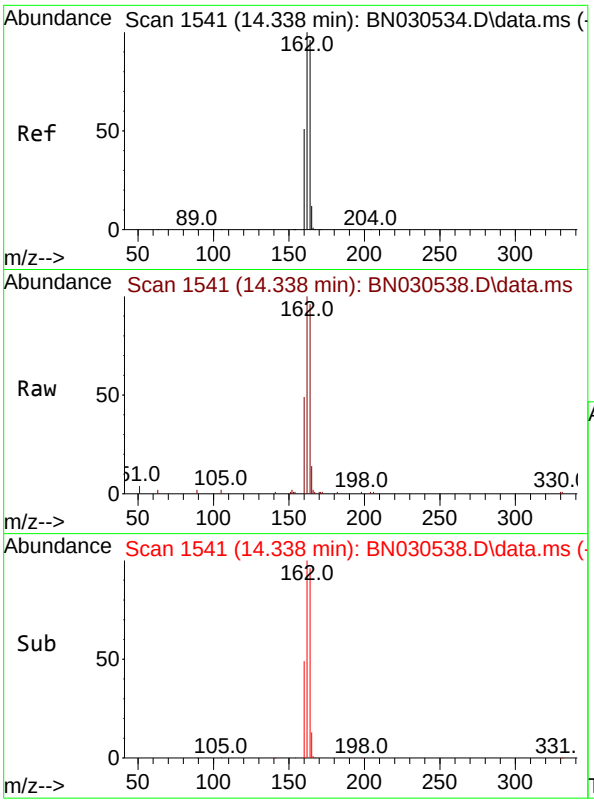


#12
2-Methylnaphthalene
Concen: 5.108 ng
RT: 12.156 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:142 Resp: 189721

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.8
115	33.9	28.3	42.5



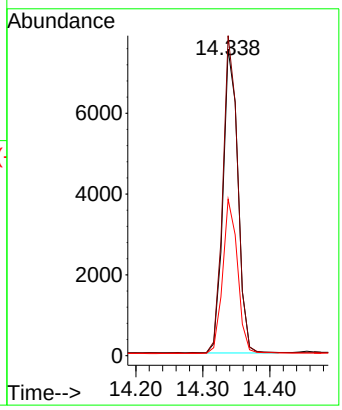


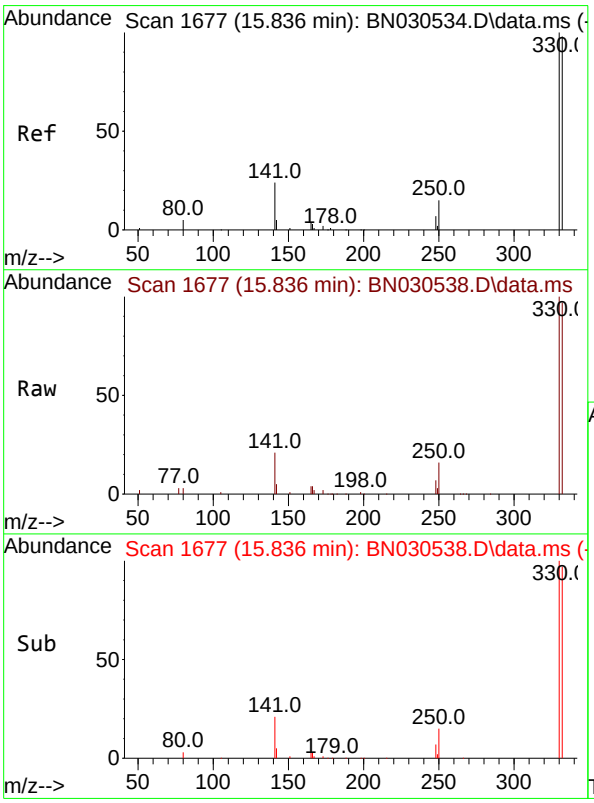
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.338 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 11682

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.5	125.3
160	51.0	42.5	63.7

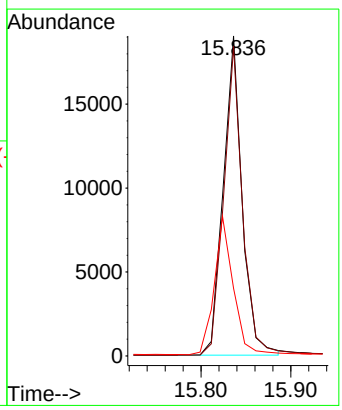


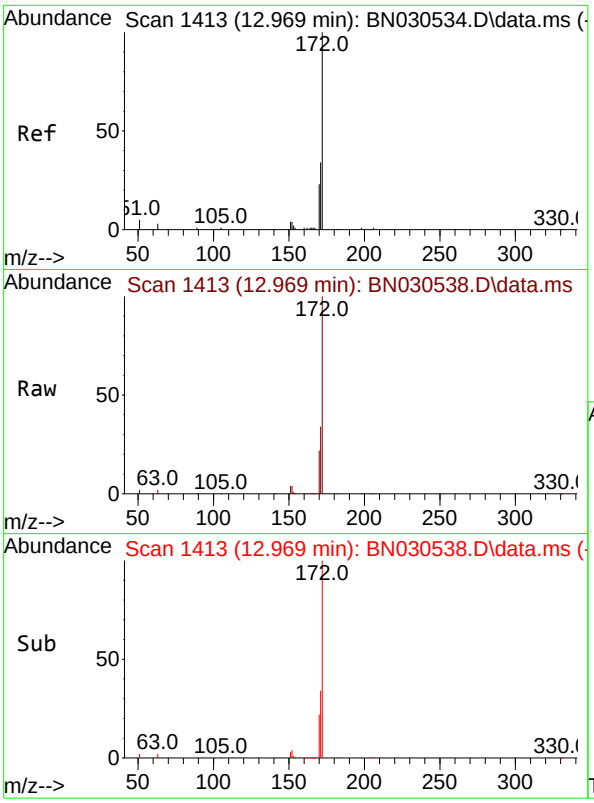


#14
2,4,6-Tribromophenol
Concen: 6.289 ng
RT: 15.836 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:330 Resp: 27754

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	43.1	35.9	53.9



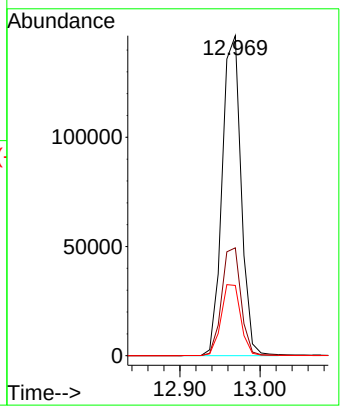


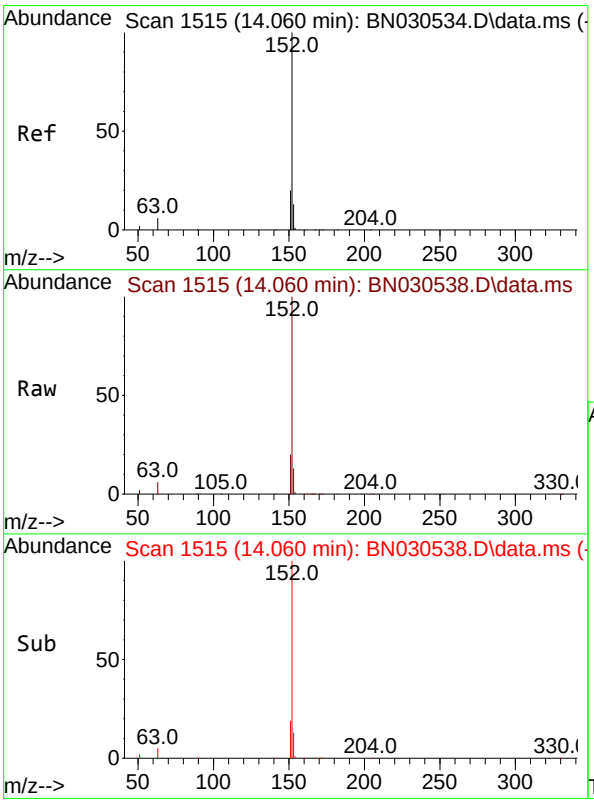
#15
2-Fluorobiphenyl
Concen: 4.819 ng
RT: 12.969 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 217626

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.1	40.7
170	22.0	18.3	27.5

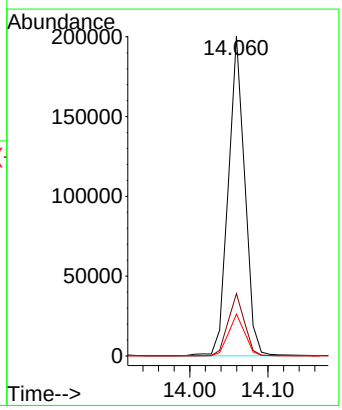


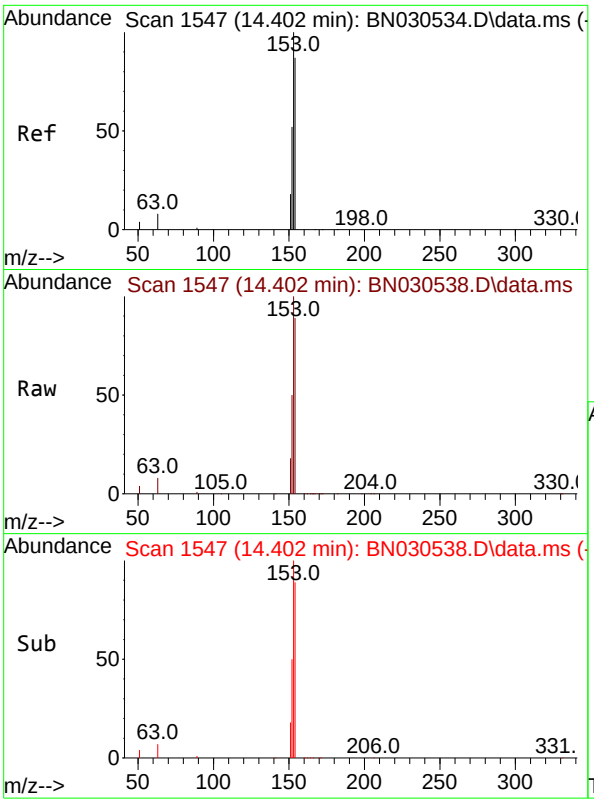


#16
Acenaphthylene
Concen: 5.563 ng
RT: 14.060 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:152 Resp: 294345

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.0	10.3	15.5



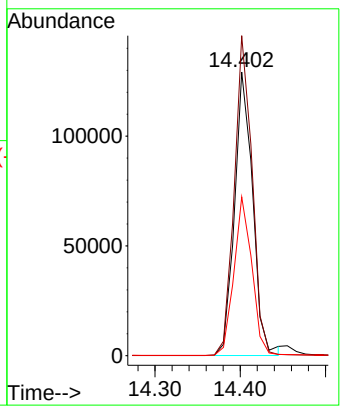


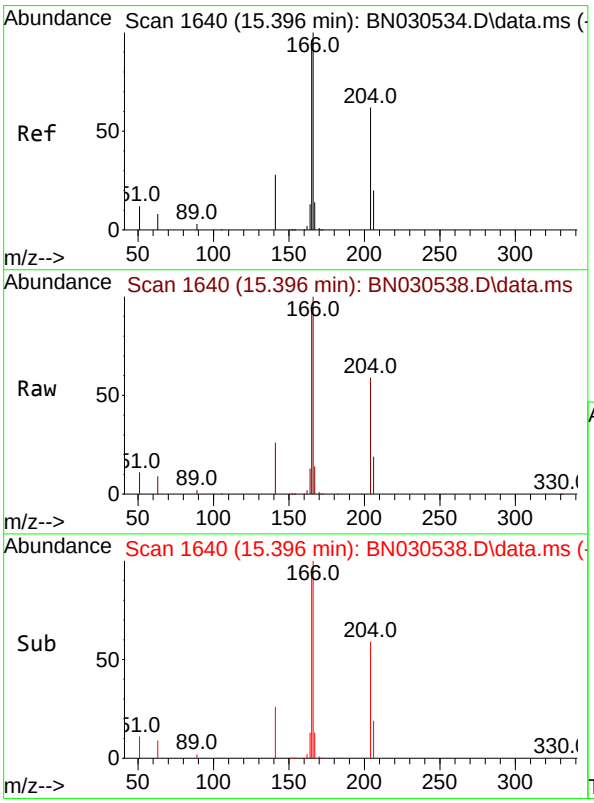
#17
Acenaphthene
Concen: 5.216 ng
RT: 14.402 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 191158

Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.0	136.6
152	55.1	47.8	71.6

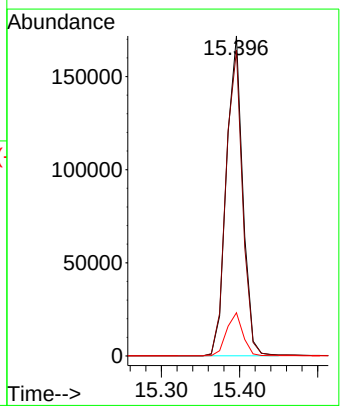


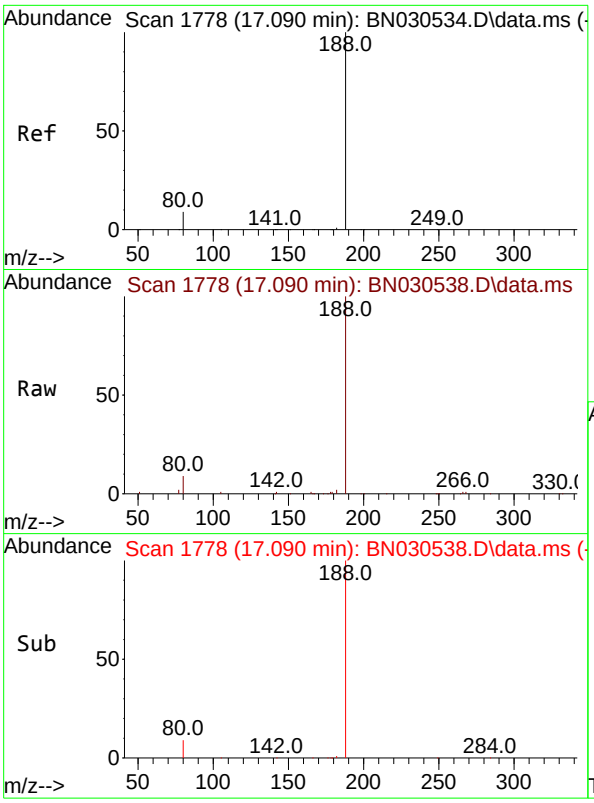


#18
Fluorene
Concen: 5.219 ng
RT: 15.396 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:166 Resp: 249043

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.9	116.9
167	13.4	10.8	16.2



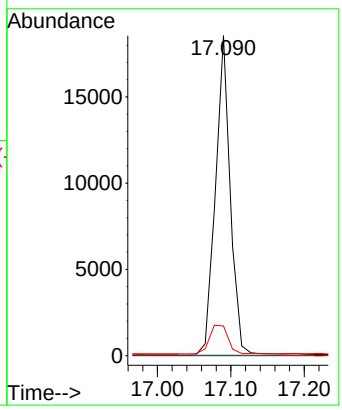


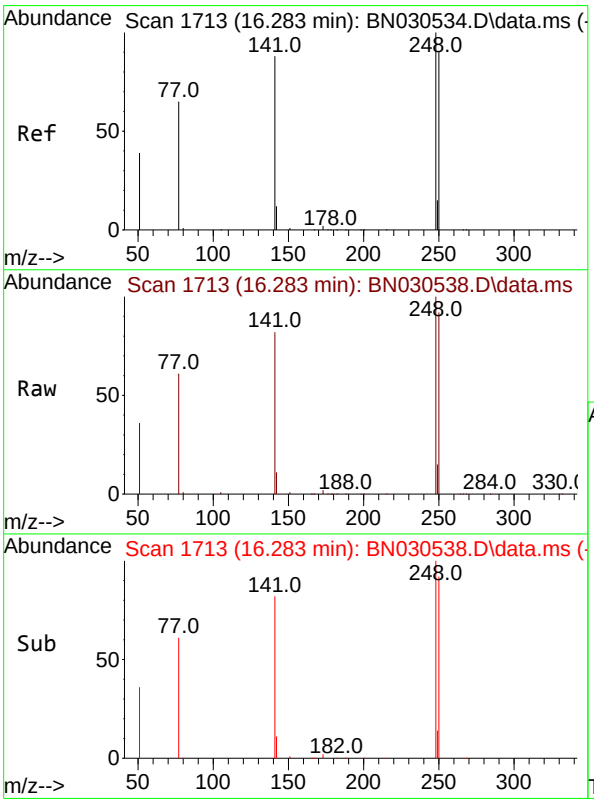
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.090 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 25812

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	7.4	11.0

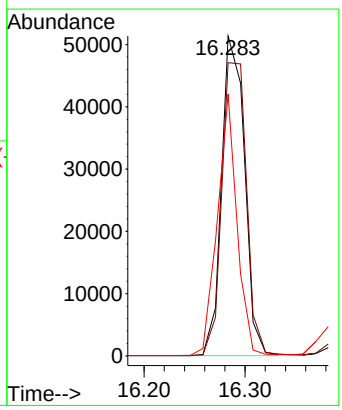


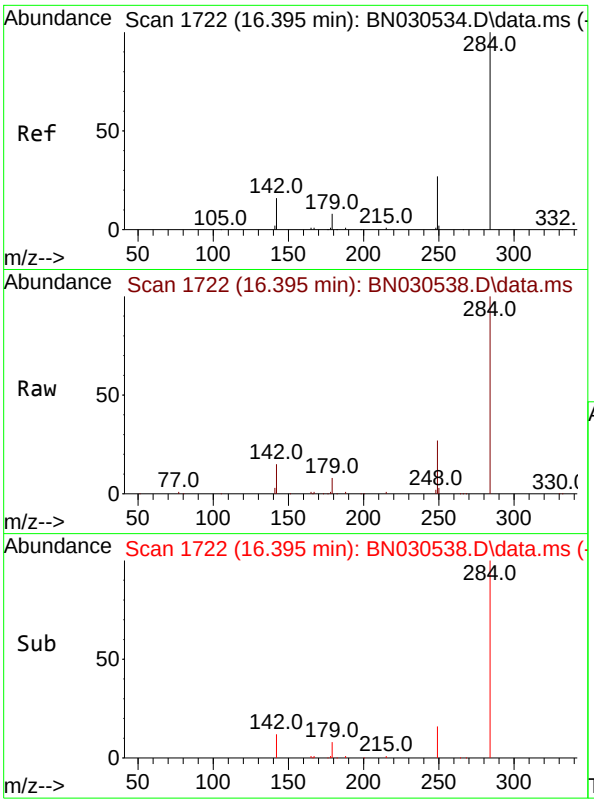


#21
4-Bromophenyl-phenylether
Concen: 5.203 ng
RT: 16.283 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:248 Resp: 81190

Ion	Ratio	Lower	Upper
248	100		
250	91.7	72.2	108.2
141	81.8	71.1	106.7



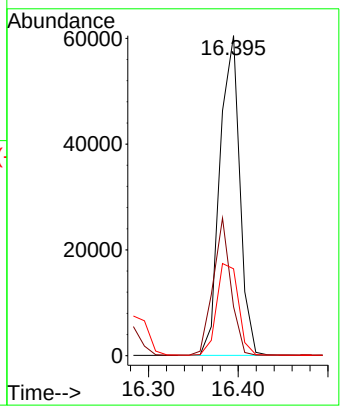


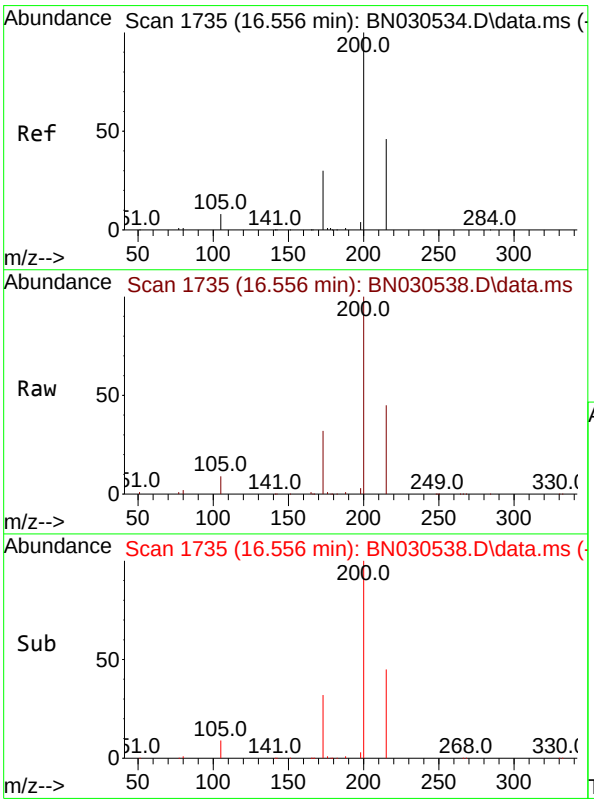
#22
Hexachlorobenzene
Concen: 5.003 ng
RT: 16.395 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 93146

Ion	Ratio	Lower	Upper
284	100		
142	38.3	31.8	47.6
249	31.2	25.8	38.6

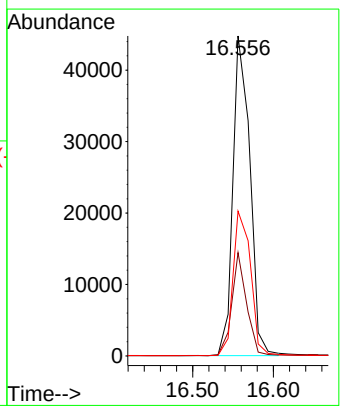


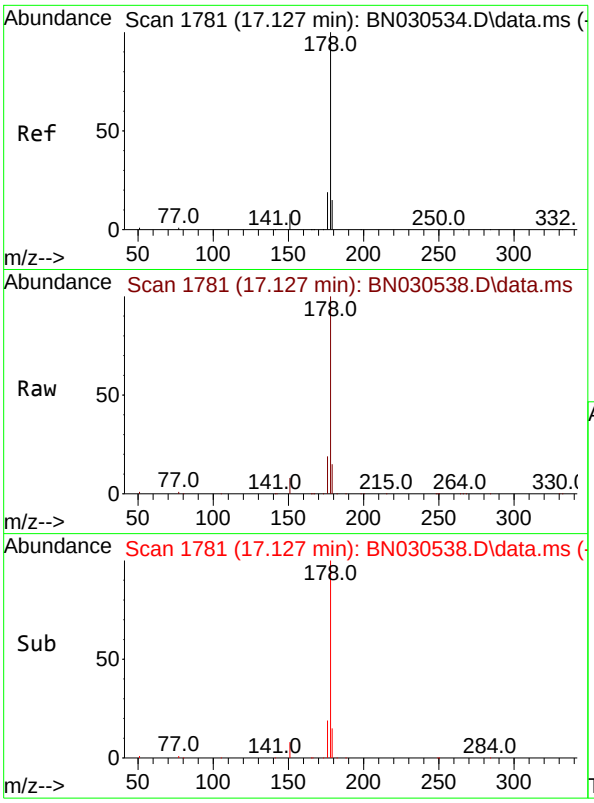


#23
Atrazine
Concen: 5.753 ng
RT: 16.556 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:200 Resp: 65268

Ion	Ratio	Lower	Upper
200	100		
173	32.3	25.0	37.6
215	45.3	37.4	56.2



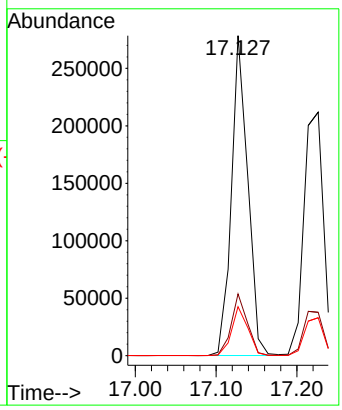


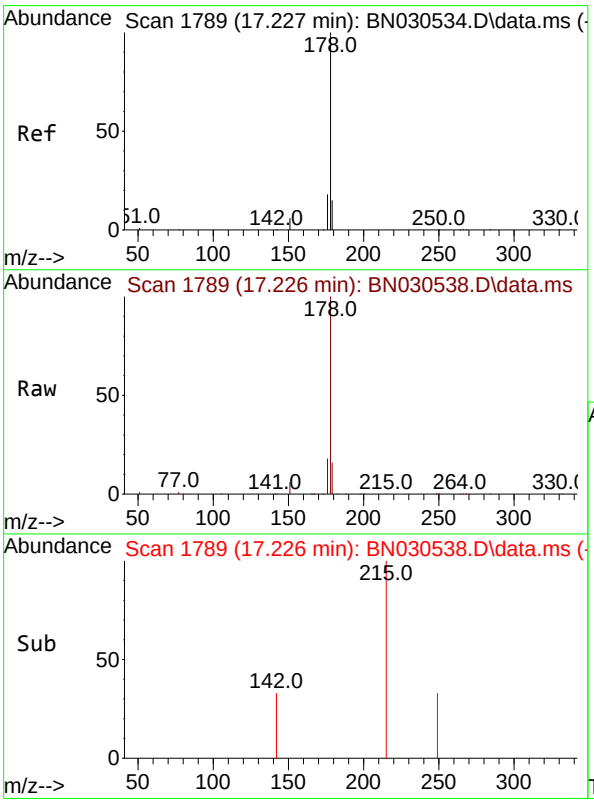
#25
Phenanthrene
Concen: 5.109 ng
RT: 17.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 391196

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.4	18.6

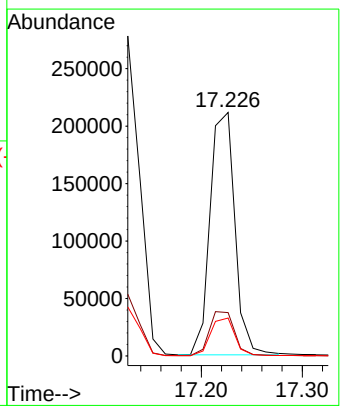


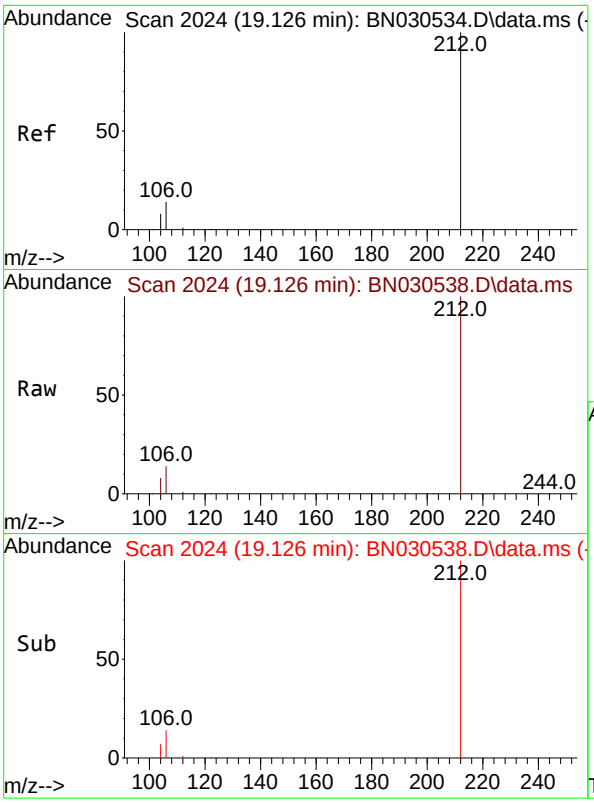


#26
Anthracene
Concen: 5.621 ng
RT: 17.226 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:178 Resp: 360889

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



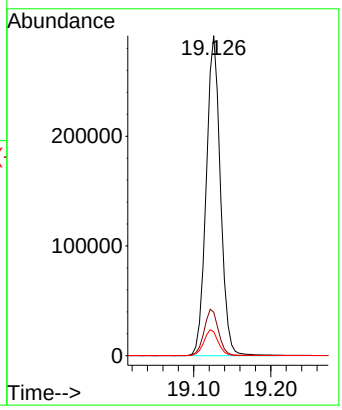


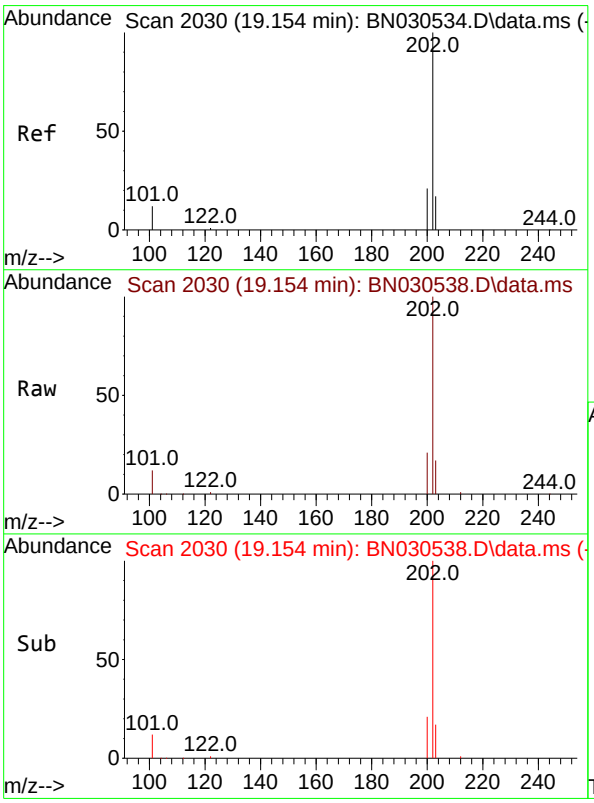
#27
Fluoranthene-d10
Concen: 5.359 ng
RT: 19.126 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 372910

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.8	17.6
104	8.1	6.6	9.8

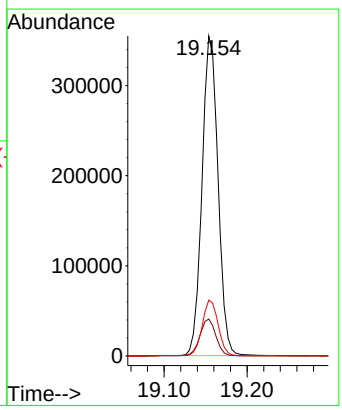


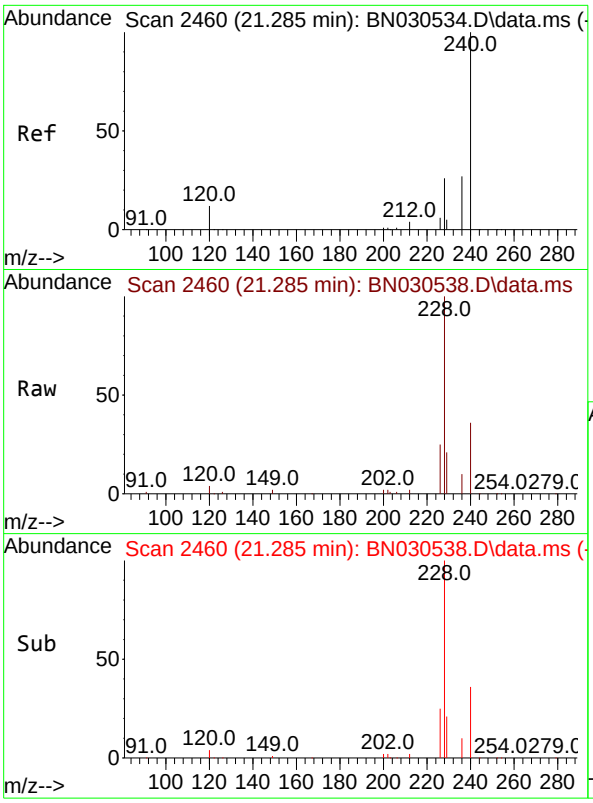


#28
Fluoranthene
Concen: 5.238 ng
RT: 19.154 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:202 Resp: 476555

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.0
203	17.4	13.7	20.5



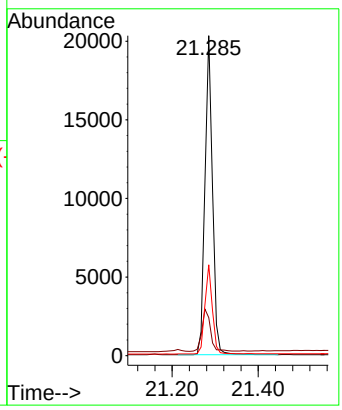


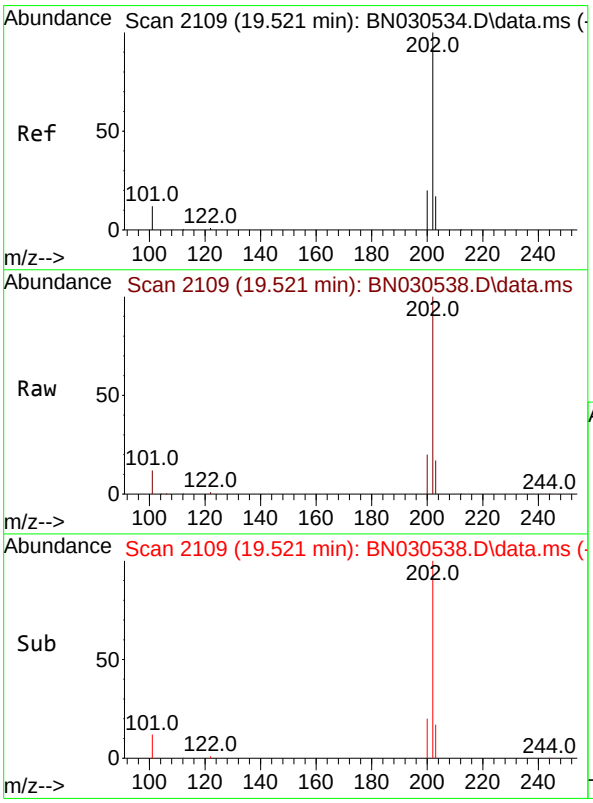
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.285 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 24710

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.6	15.8
236	28.4	22.1	33.1

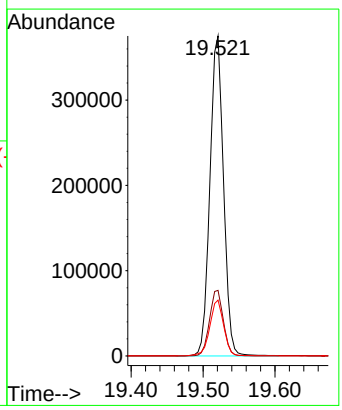


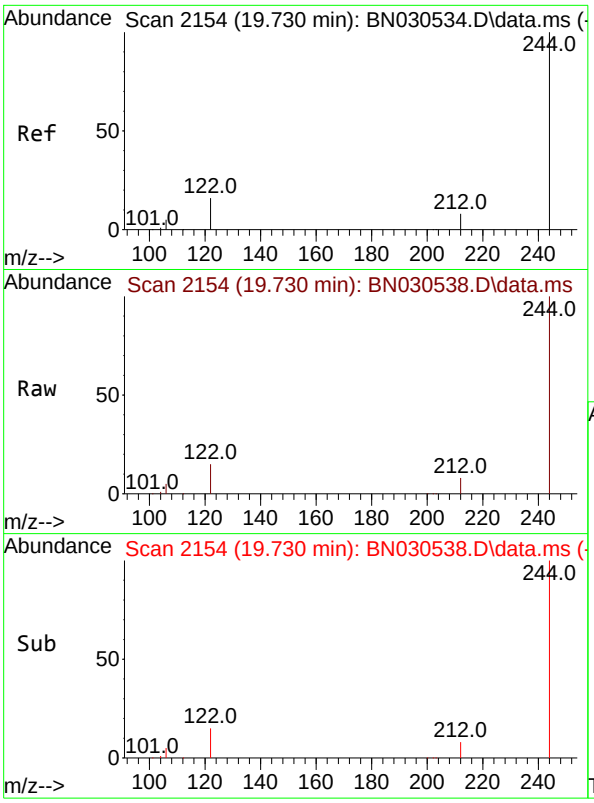


#30
Pyrene
Concen: 5.073 ng
RT: 19.521 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:202 Resp: 490602

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.8	14.2	21.4



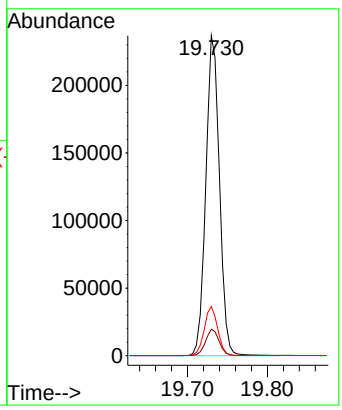


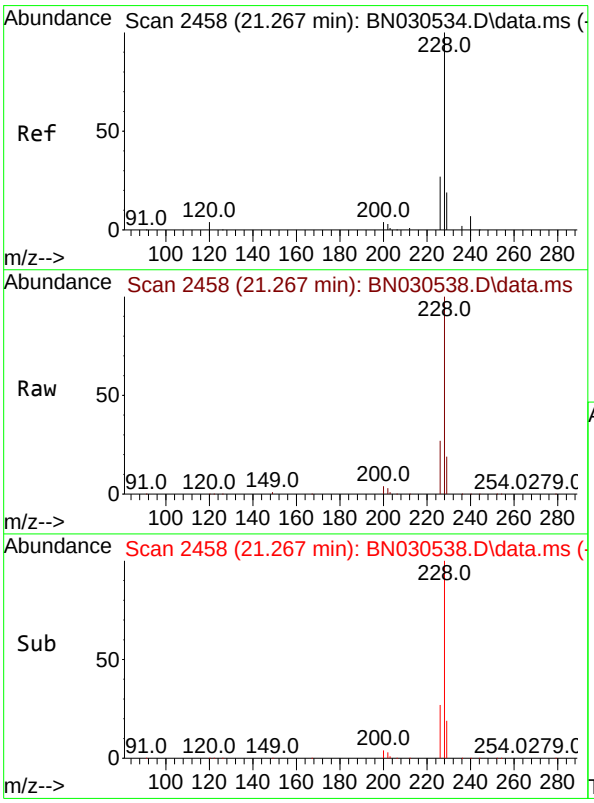
#31
Terphenyl-d14
Concen: 4.908 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 280145

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.9	10.3
122	15.4	12.7	19.1

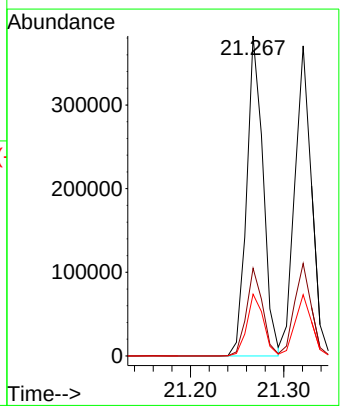


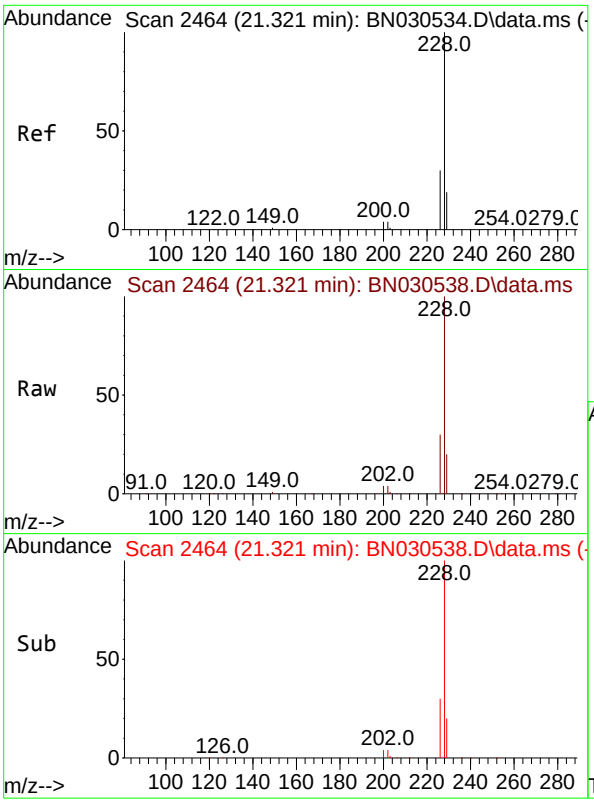


#32
Benzo(a)anthracene
Concen: 5.356 ng
RT: 21.267 min Scan# 2458
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:228 Resp: 468733

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.3	15.4	23.2



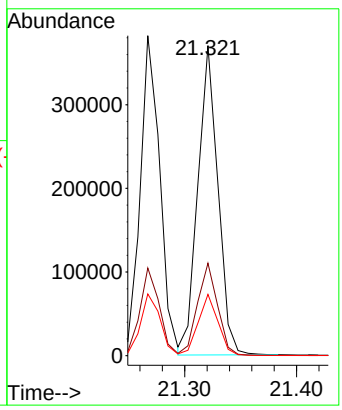


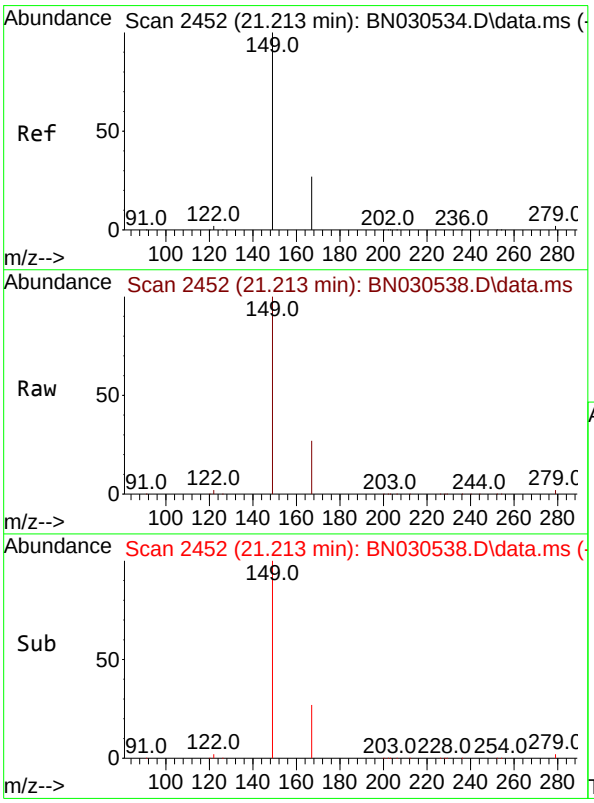
#33
Chrysene
Concen: 4.918 ng
RT: 21.321 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 461364

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	19.8	15.8	23.6

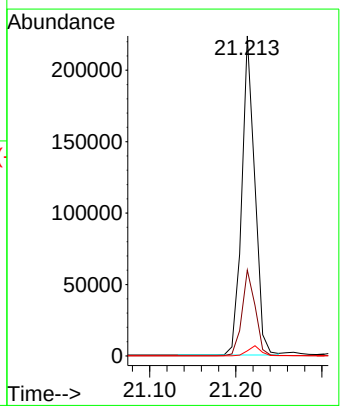


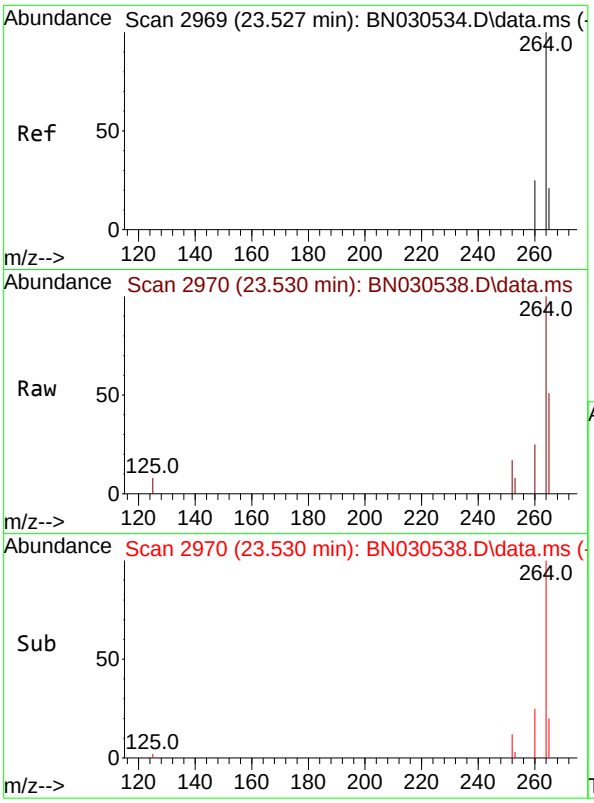


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.189 ng
RT: 21.213 min Scan# 2452
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:149 Resp: 234914

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.4	32.0
279	3.2	2.3	3.5



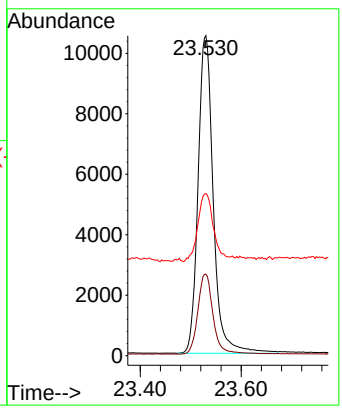


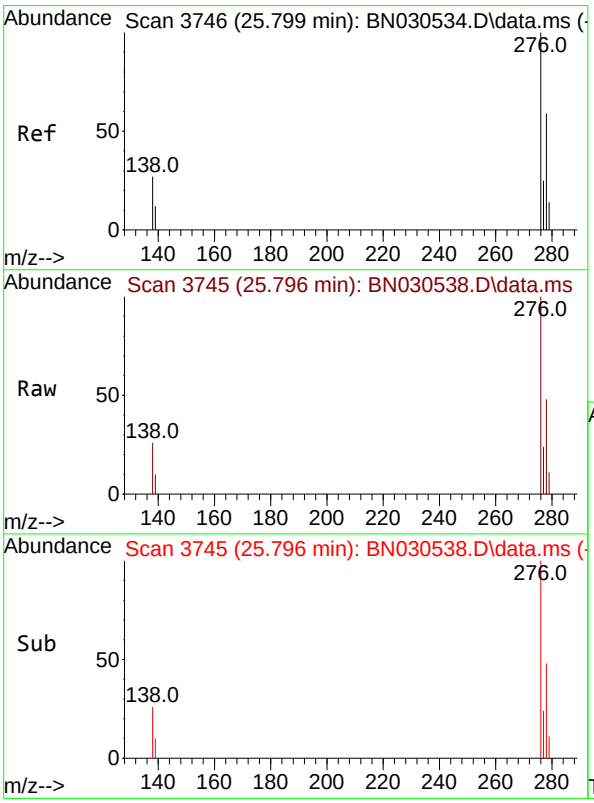
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.530 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 21980

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.6	30.8
265	50.7	41.8	62.8

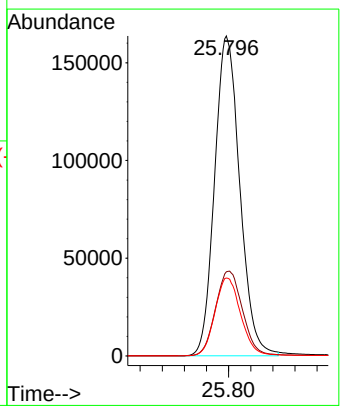


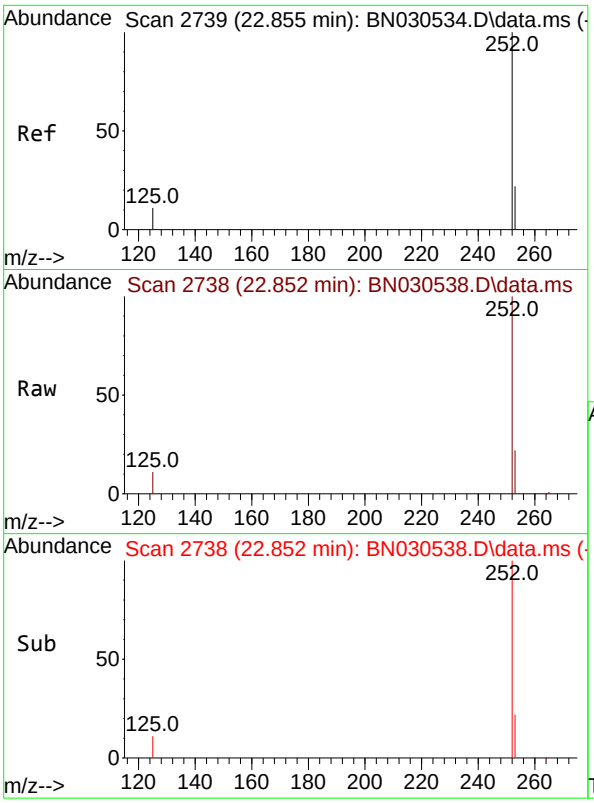


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.318 ng
RT: 25.796 min Scan# 3745
Delta R.T. -0.003 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:276 Resp: 517520

Ion	Ratio	Lower	Upper
276	100		
138	28.2	23.0	34.4
277	24.9	20.1	30.1



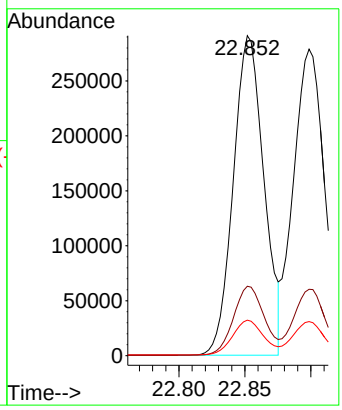


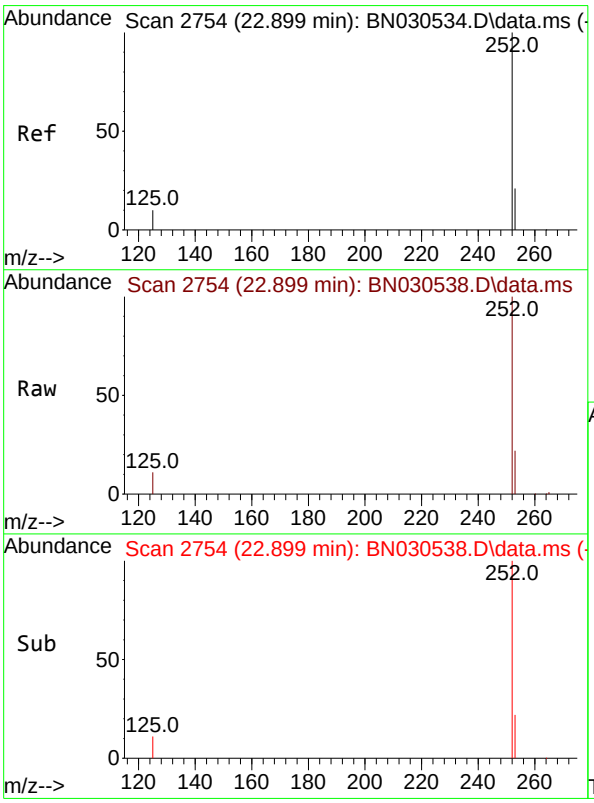
#37
Benzo(b)fluoranthene
Concen: 5.248 ng
RT: 22.852 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 469354

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.2	28.8
125	11.1	11.7	17.5#

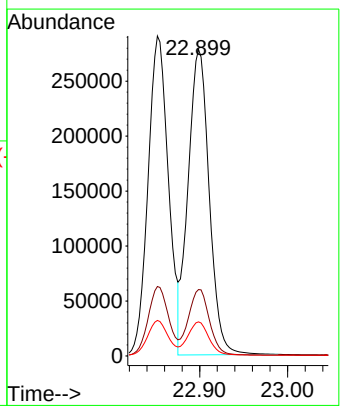


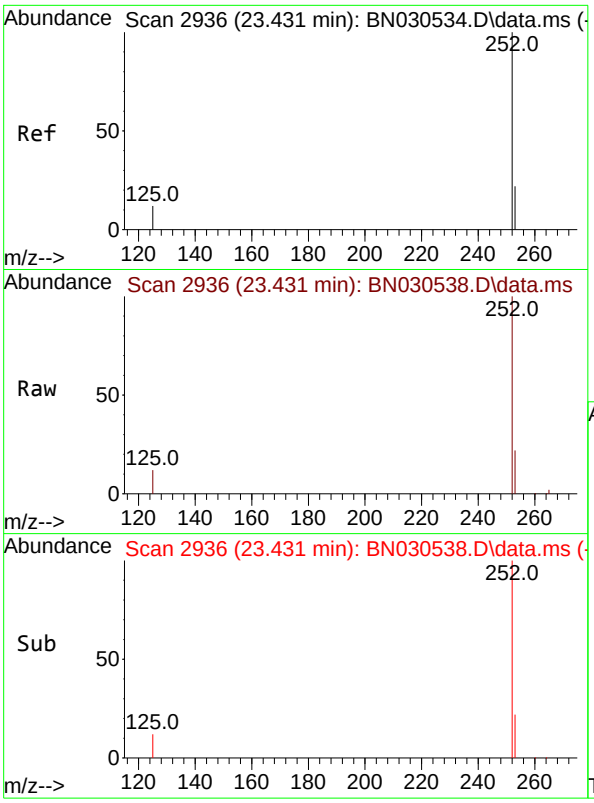


#38
Benzo(k)fluoranthene
Concen: 5.187 ng
RT: 22.899 min Scan# 2754
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:252 Resp: 465473

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.9	28.3
125	11.1	11.5	17.3#



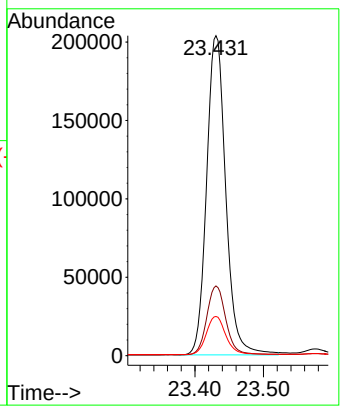


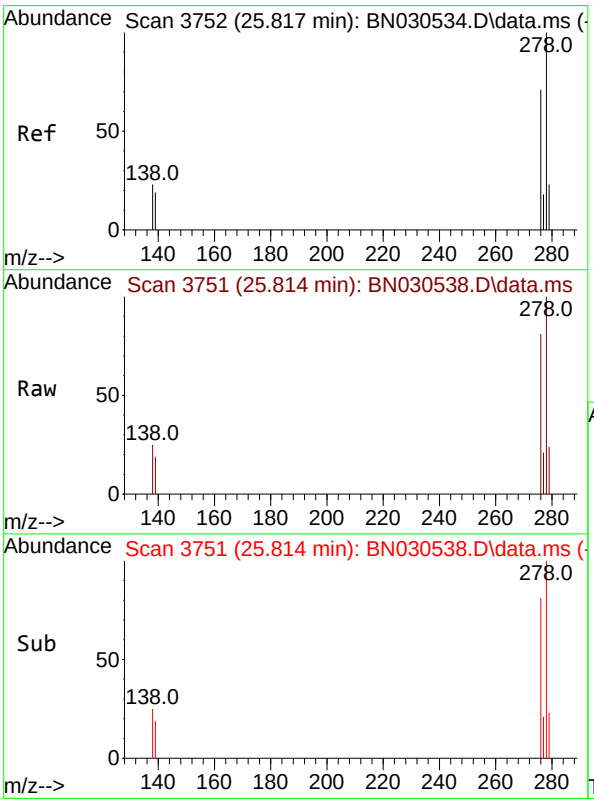
#39
Benzo(a)pyrene
Concen: 5.523 ng
RT: 23.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 395526

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.0	30.0
125	12.3	14.3	21.5#

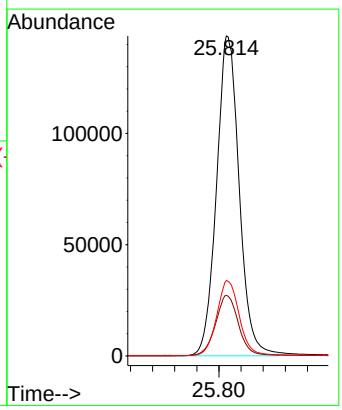


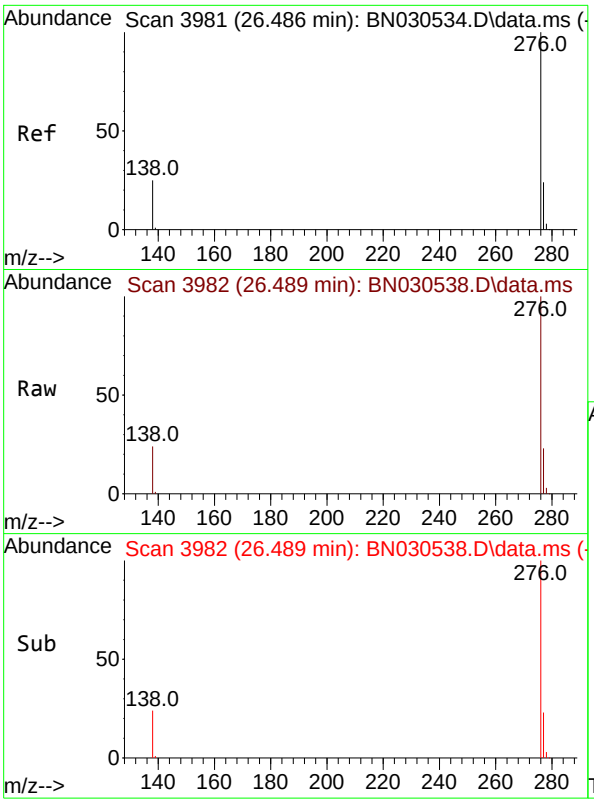


#40
Dibenzo(a,h)anthracene
Concen: 5.303 ng
RT: 25.814 min Scan# 3751
Delta R.T. -0.003 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Tgt Ion:278 Resp: 409216

Ion	Ratio	Lower	Upper
278	100		
139	19.0	16.2	24.2
279	23.6	20.6	30.8





#41
Benzo(g,h,i)perylene
Concen: 5.210 ng
RT: 26.489 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN030538.D
Acq: 29 Mar 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 432139

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.6
138	24.3	20.6	31.0