Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031125\
Data File : BN036574.D
Acq On : 11 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 11 10:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	2295	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	5467	0.400	ng		0.00
13) Acenaphthene-d10	14.366	164	3343	0.400	ng		0.00
19) Phenanthrene-d10	17.111	188	6922	0.400	ng		0.00
29) Chrysene-d12	21.295	240	4977	0.400	ng		0.00
35) Perylene-d12	23.554	264	4232	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.312	112	2072	0.387	ng		0.00
5) Phenol-d6	6.894	99	2430	0.368	ng		0.00
8) Nitrobenzene-d5	8.875	82	2084	0.350	ng		0.00
11) 2-Methylnaphthalene-d10	12.111	152	3077	0.378	ng		0.00
14) 2,4,6-Tribromophenol	15.858	330	570	0.376	ng		0.00
15) 2-Fluorobiphenyl	12.988	172	7060	0.363	ng		0.00
27) Fluoranthene-d10	19.141	212	7182	0.405	ng		0.00
31) Terphenyl-d14	19.745	244	4607	0.386	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.239	88	1163	0.457	ng		95
3) n-Nitrosodimethylamine	3.550	42	1971	0.383	ng		95
6) bis(2-Chloroethyl)ether	7.147	93	2545	0.373	ng		100
9) Naphthalene	10.562	128	6096	0.379	ng		100
10) Hexachlorobutadiene	10.851	225	1495	0.395	ng	#	100
12) 2-Methylnaphthalene	12.182	142	3851	0.376	ng		98
16) Acenaphthylene	14.078	152	6004	0.381	ng		99
17) Acenaphthene	14.420	154	3941	0.382	ng		99
18) Fluorene	15.414	166	5415	0.388	ng		99
20) 4,6-Dinitro-2-methylph...	15.510	198	407	0.376	ng		95
21) 4-Bromophenyl-phenylether	16.305	248	1650	0.380	ng		96
22) Hexachlorobenzene	16.416	284	2073	0.396	ng		99
23) Atrazine	16.578	200	1319	0.379	ng		97
24) Pentachlorophenol	16.776	266	800	0.335	ng		98
25) Phenanthrene	17.149	178	8248	0.397	ng		99
26) Anthracene	17.248	178	7203	0.384	ng		99
28) Fluoranthene	19.174	202	9516	0.408	ng		100
30) Pyrene	19.536	202	9574	0.393	ng		100
32) Benzo(a)anthracene	21.277	228	6681	0.386	ng		97
33) Chrysene	21.331	228	7472	0.395	ng		100
34) Bis(2-ethylhexyl)phtha...	21.214	149	4774	0.387	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.835	276	5731	0.375	ng		97
37) Benzo(b)fluoranthene	22.873	252	6389	0.415	ng		97
38) Benzo(k)fluoranthene	22.917	252	6510	0.403	ng		97
39) Benzo(a)pyrene	23.455	252	5454	0.421	ng		96
40) Dibenzo(a,h)anthracene	25.852	278	4158	0.350	ng		99
41) Benzo(g,h,i)perylene	26.534	276	5220	0.384	ng		99

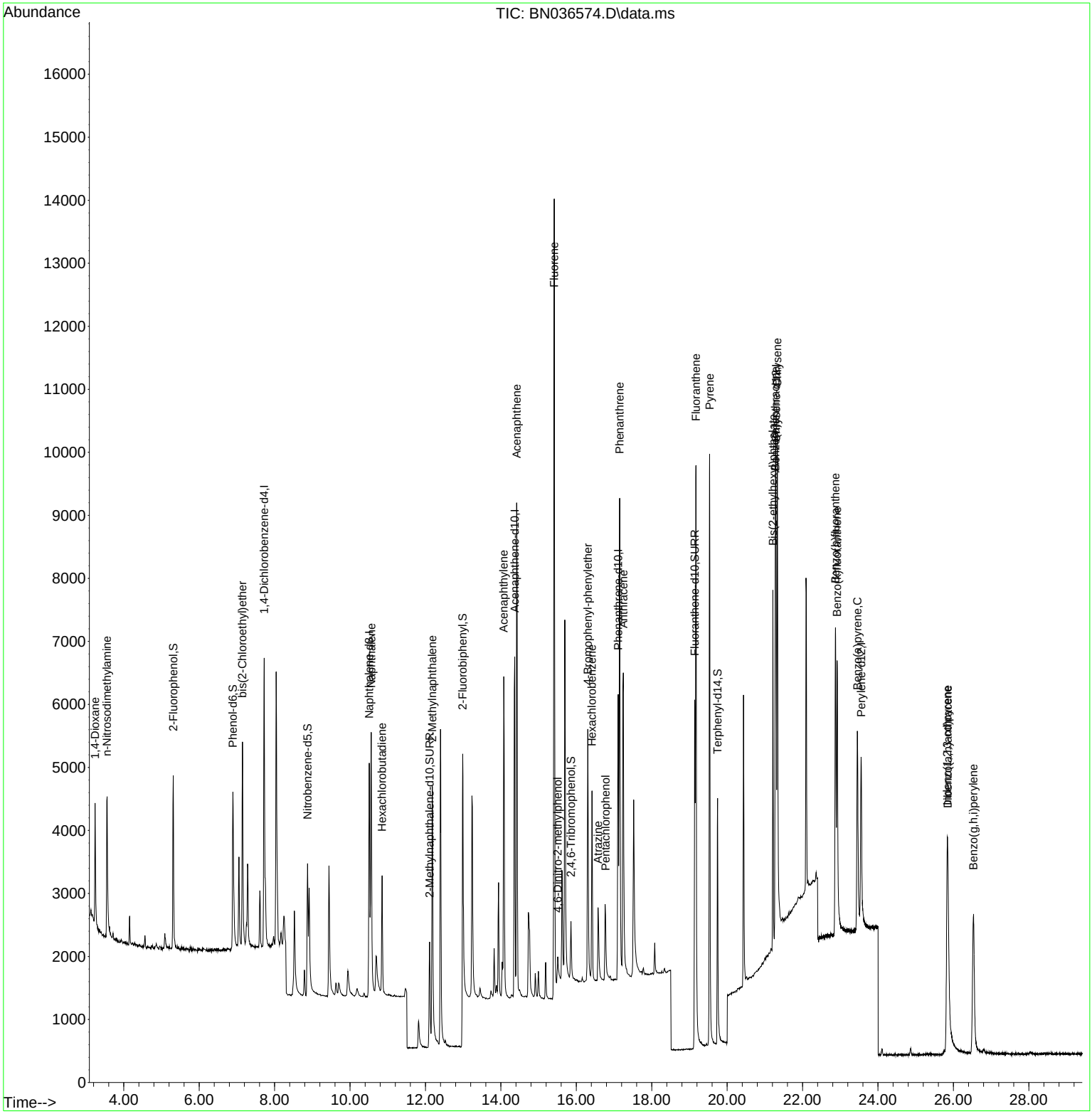
(#) = qualifier out of range (m) = manual integration (+) = signals summed

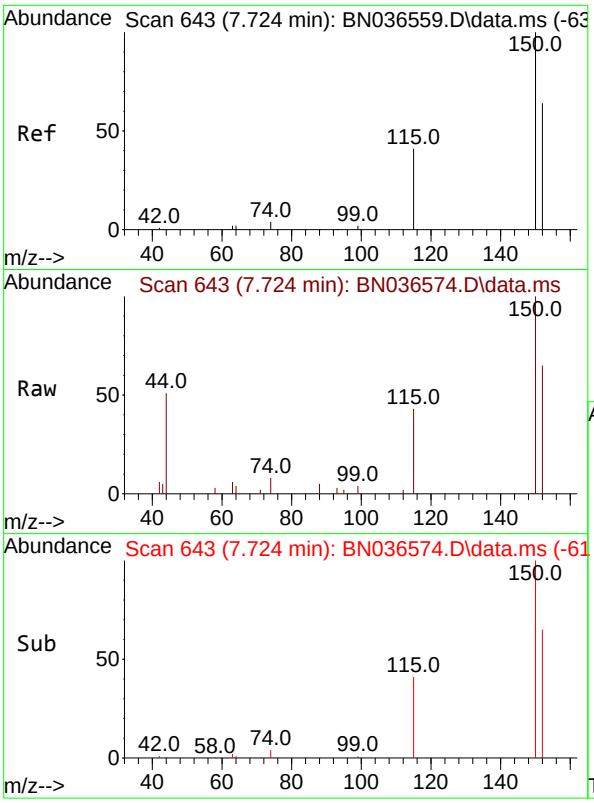
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031125\
Data File : BN036574.D
Acq On : 11 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 11 10:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration



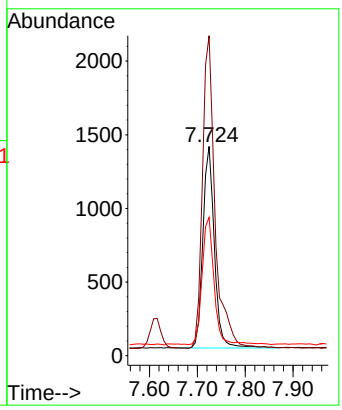


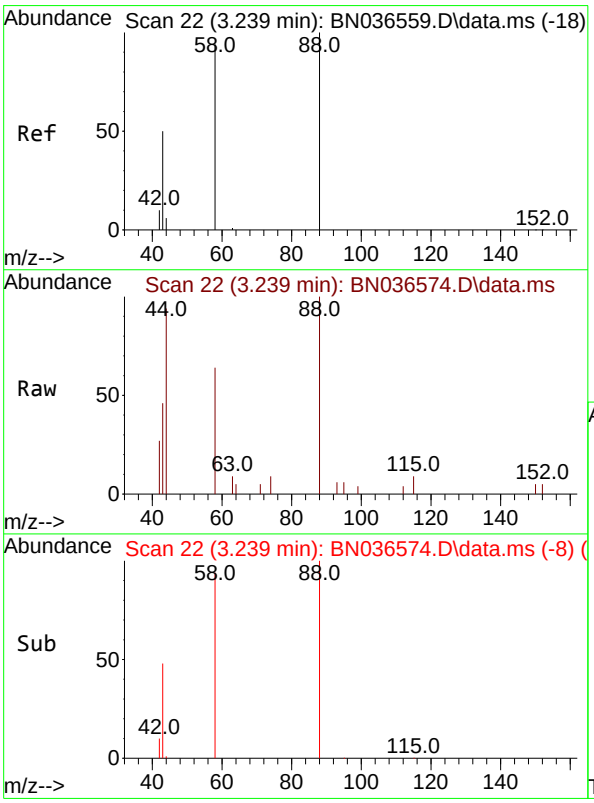
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2295

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.7	185.5
115	66.2	54.3	81.5

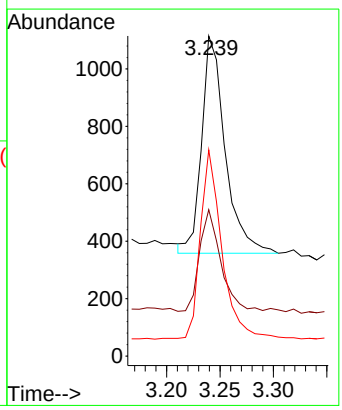


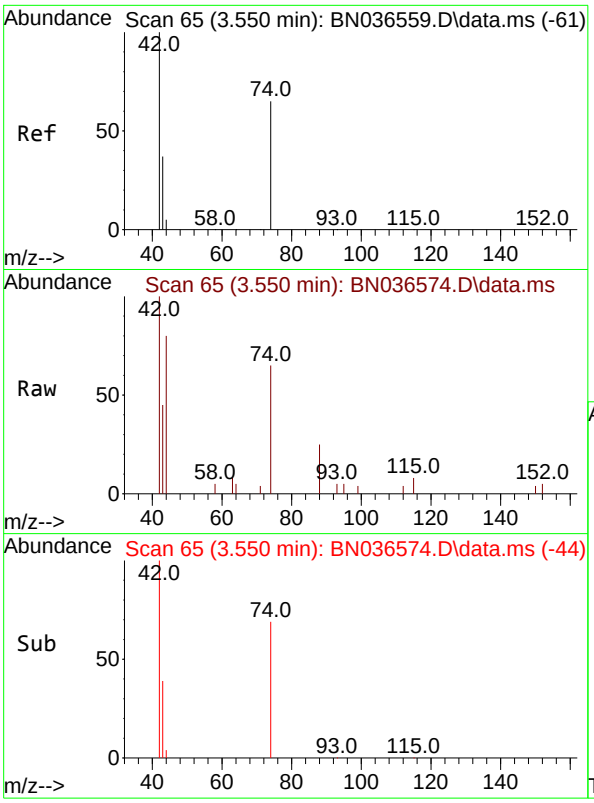


#2
1,4-Dioxane
Concen: 0.457 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion: 88 Resp: 1163

Ion	Ratio	Lower	Upper
88	100		
43	43.2	37.8	56.8
58	80.1	67.4	101.2



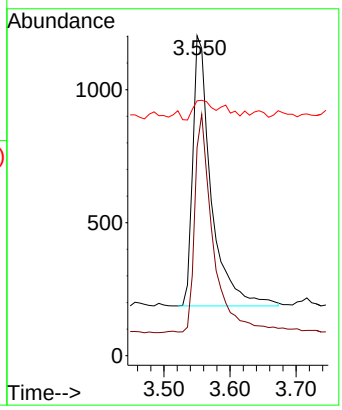


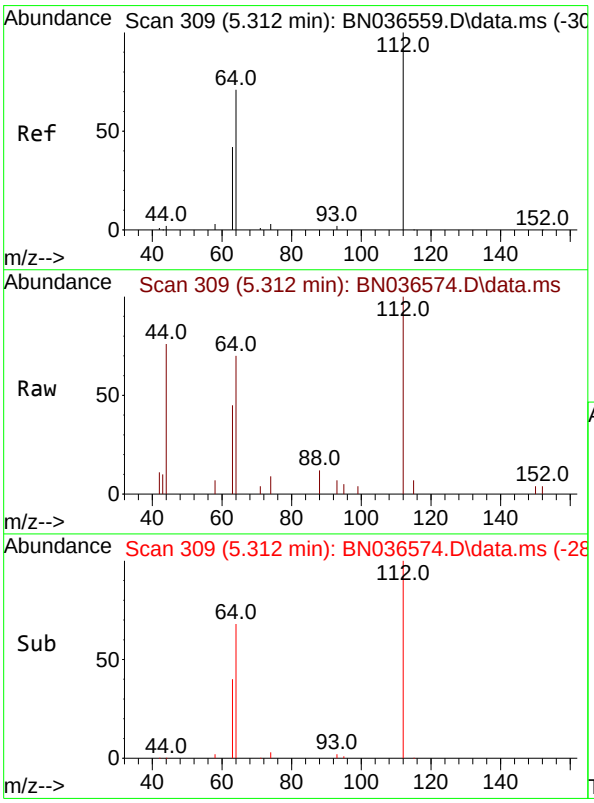
#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.550 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1971

Ion	Ratio	Lower	Upper
42	100		
74	80.5	60.6	90.8
44	7.4	6.3	9.5

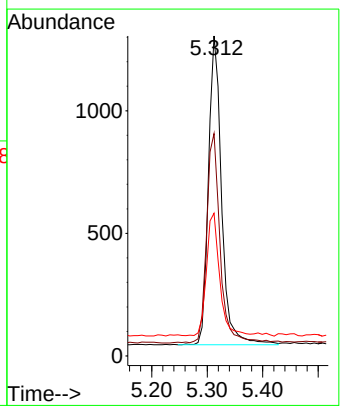


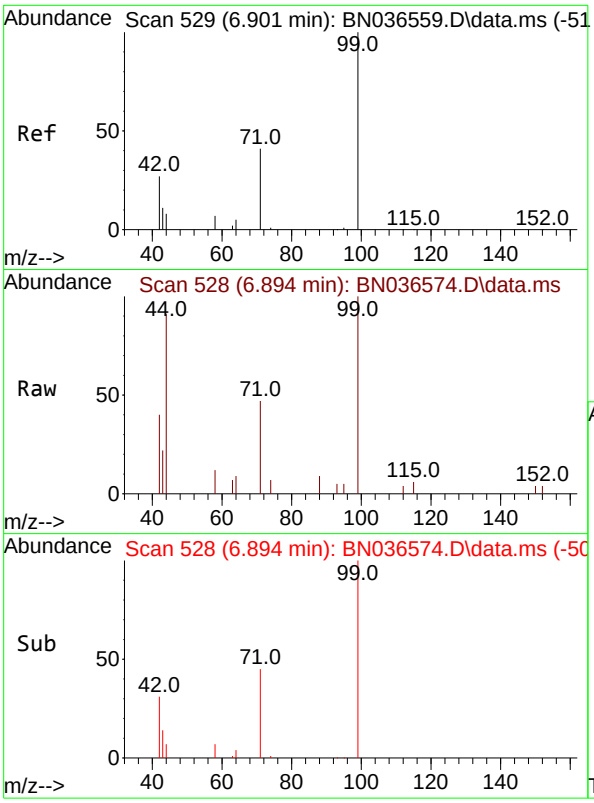


#4
2-Fluorophenol
Concen: 0.387 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:112 Resp: 2072

Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.1	79.7
63	39.7	31.8	47.8



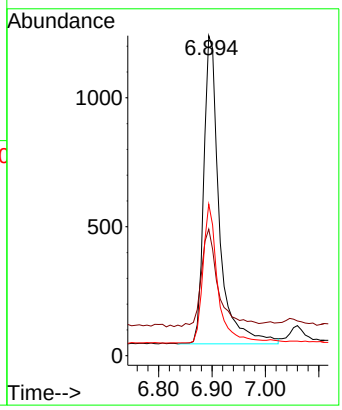


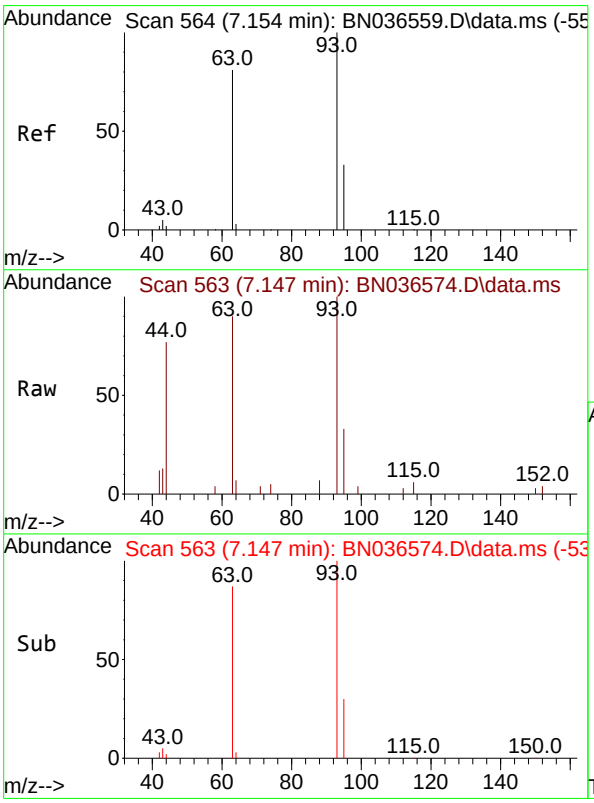
#5
Phenol-d6
Concen: 0.368 ng
RT: 6.894 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2430

Ion	Ratio	Lower	Upper
99	100		
42	34.2	26.5	39.7
71	42.3	34.1	51.1

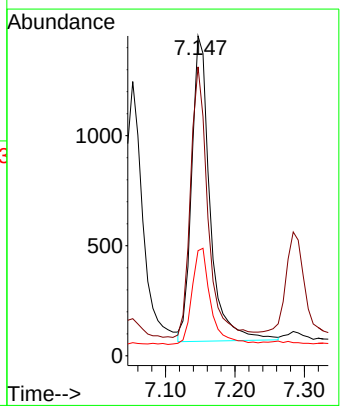


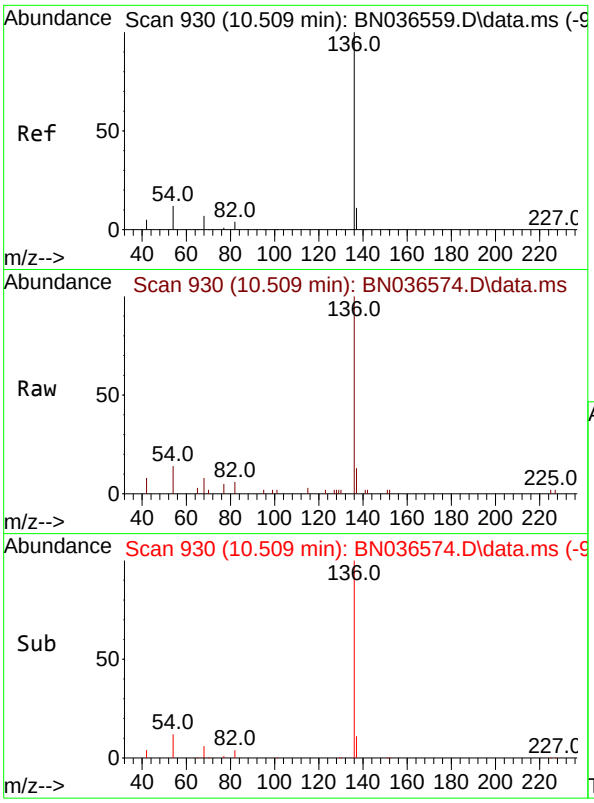


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion: 93 Resp: 2545

Ion	Ratio	Lower	Upper
93	100		
63	84.4	67.7	101.5
95	32.1	25.6	38.4



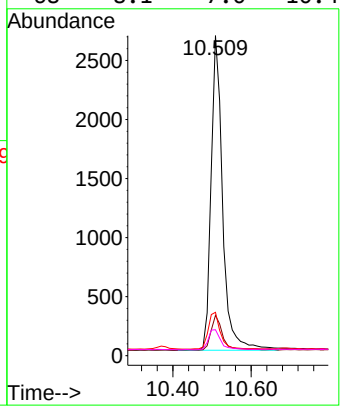


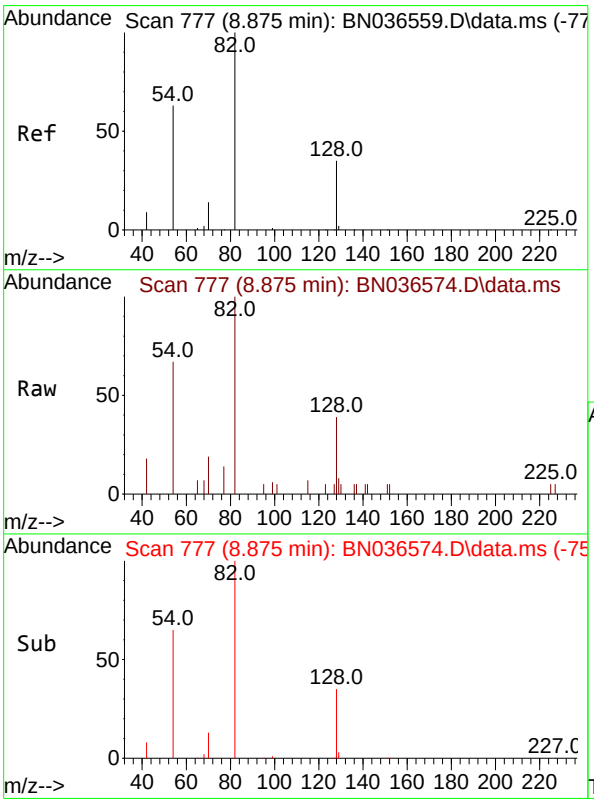
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5467

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.3	15.5
54	13.5	11.5	17.3
68	8.1	7.0	10.4

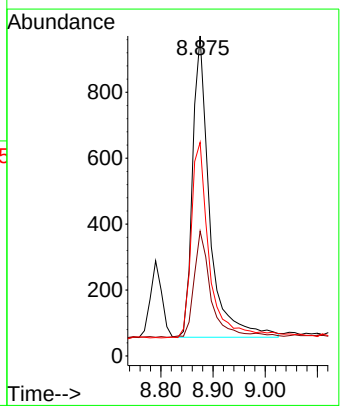


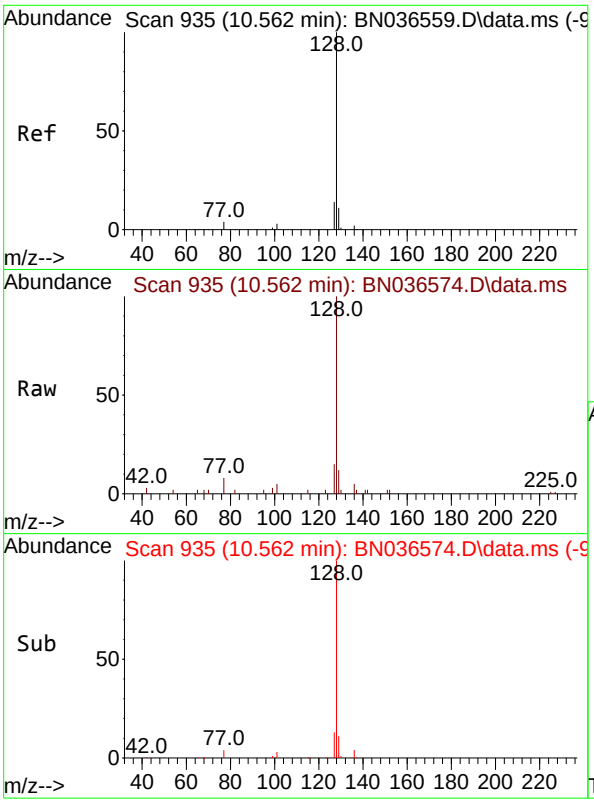


#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion: 82 Resp: 2084

Ion	Ratio	Lower	Upper
82	100		
128	39.0	30.6	45.8
54	66.7	52.2	78.4



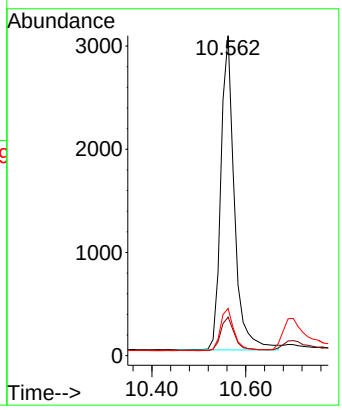


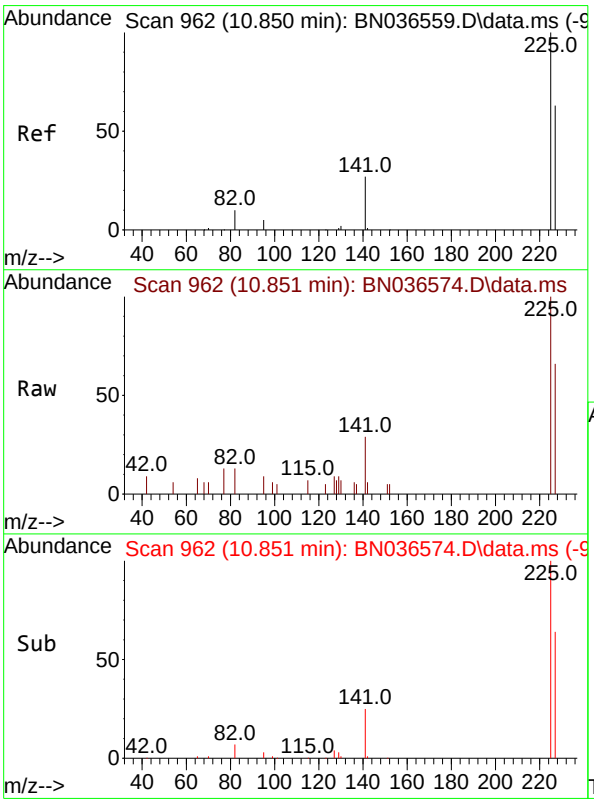
#9
Naphthalene
Concen: 0.379 ng
RT: 10.562 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6096

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.7	11.8	17.8

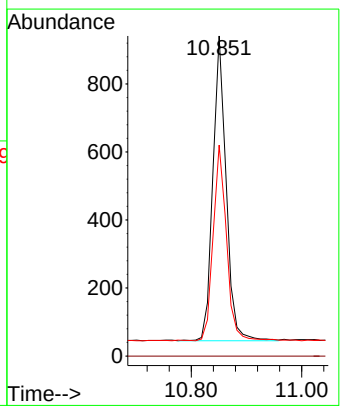


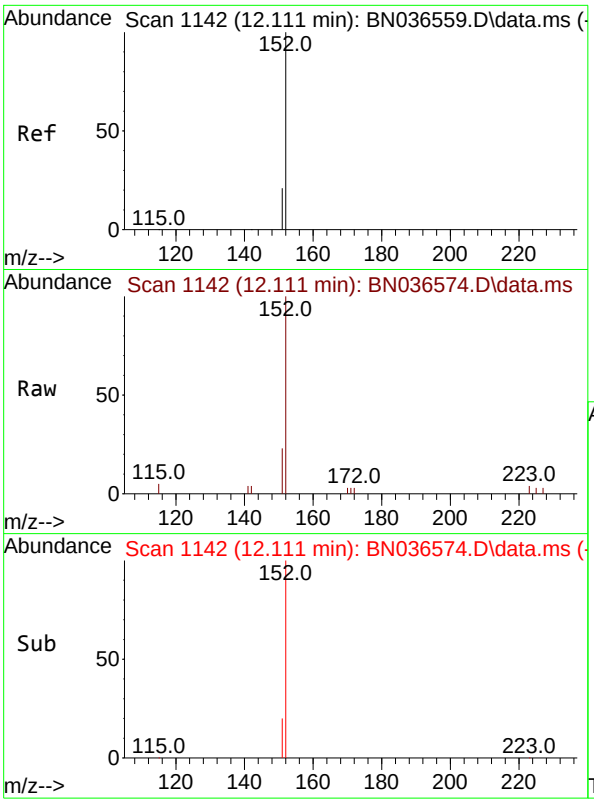


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:225 Resp: 1495

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.8	77.8



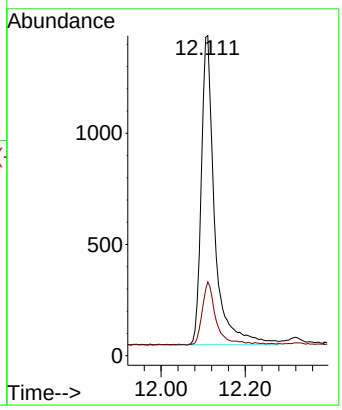


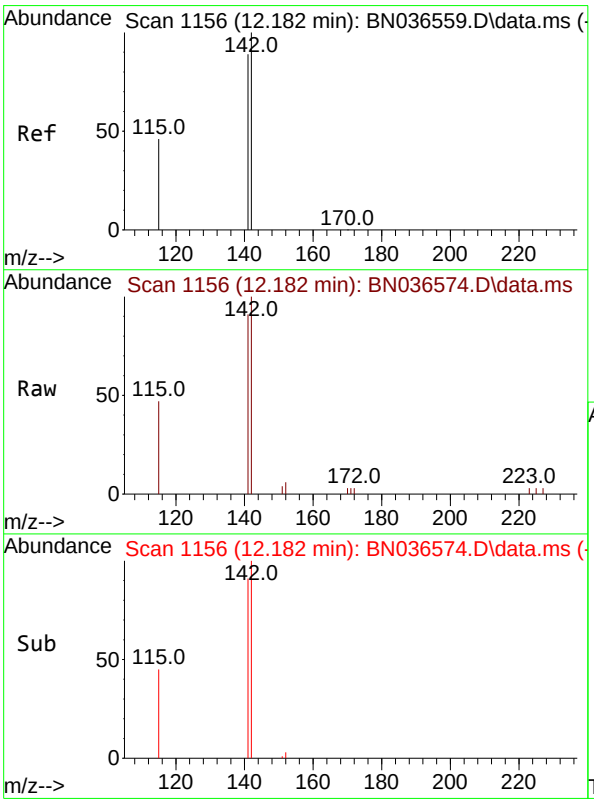
#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.111 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3077

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

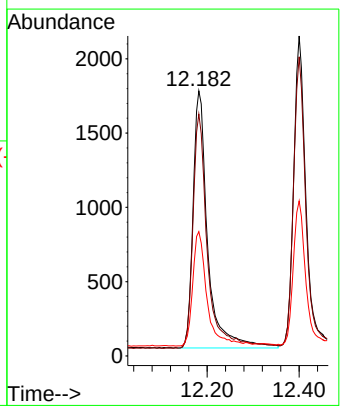


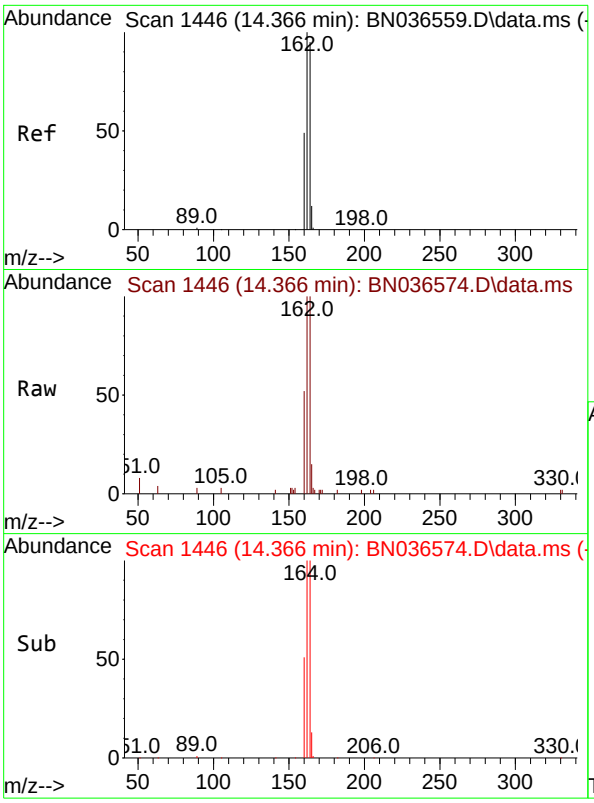


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:142 Resp: 3851

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.7	107.5
115	46.9	38.3	57.5



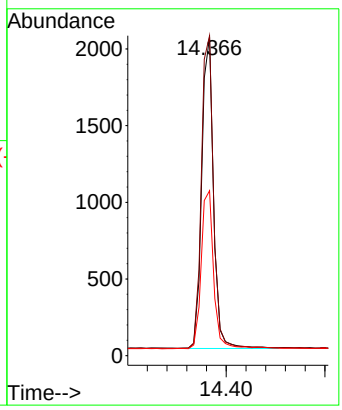


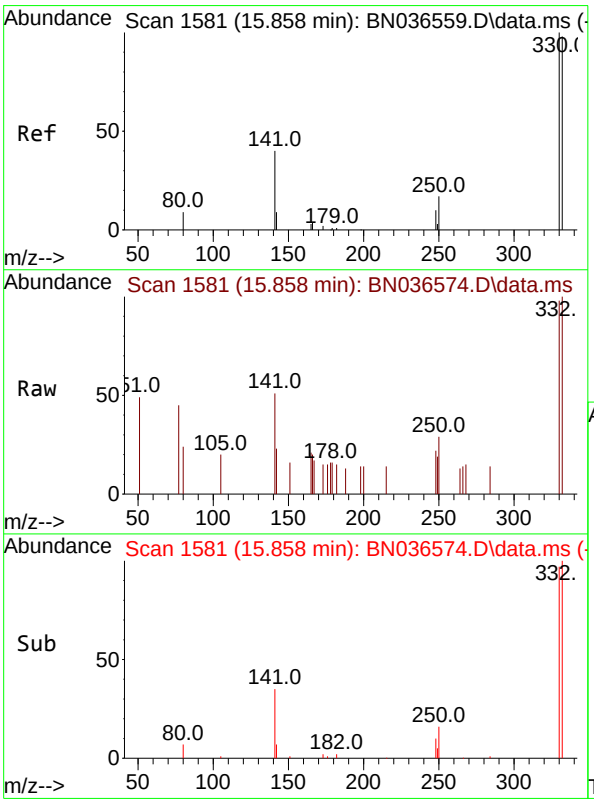
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3343

Ion	Ratio	Lower	Upper
164	100		
162	100.3	84.2	126.2
160	51.7	42.2	63.2

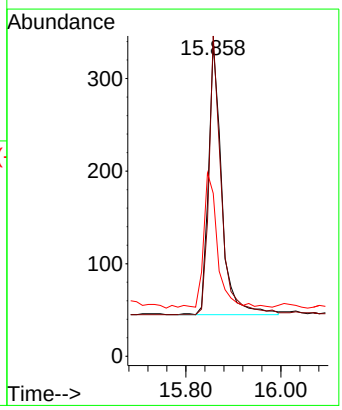


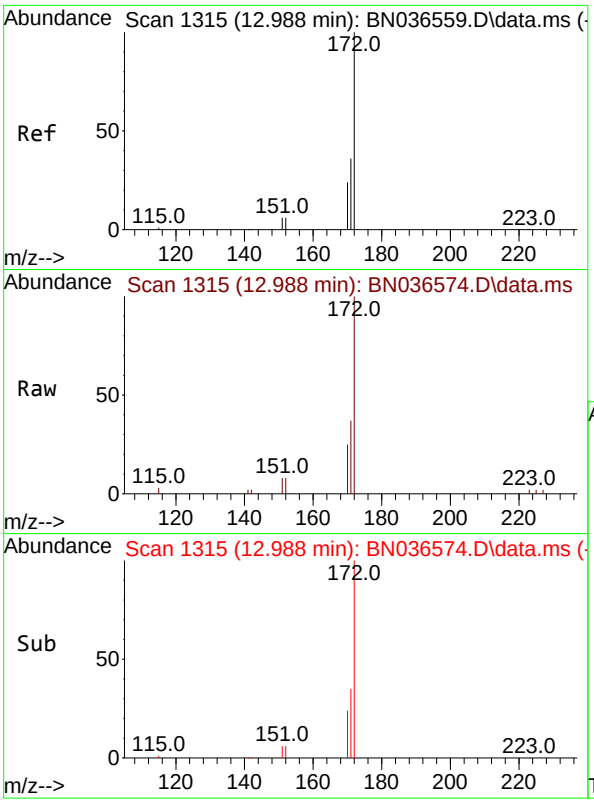


#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:330 Resp: 570

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.2	112.8
141	53.9	43.4	65.2



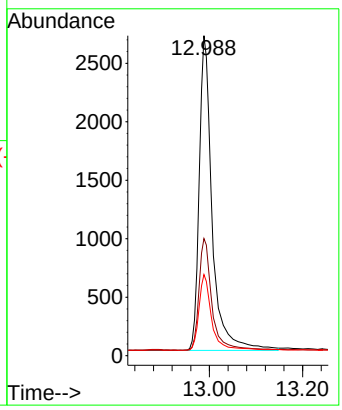


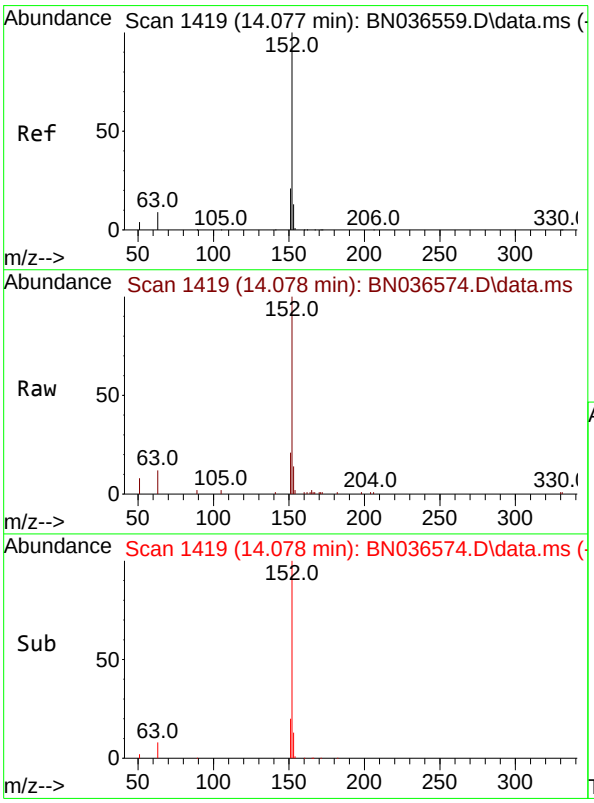
#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.988 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7060

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.5	44.3
170	25.3	20.2	30.4

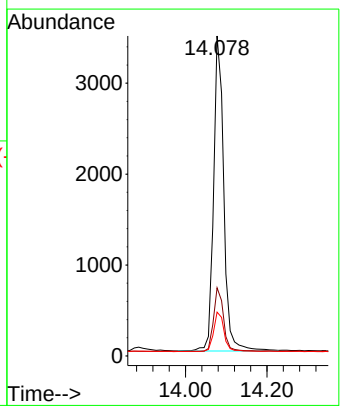


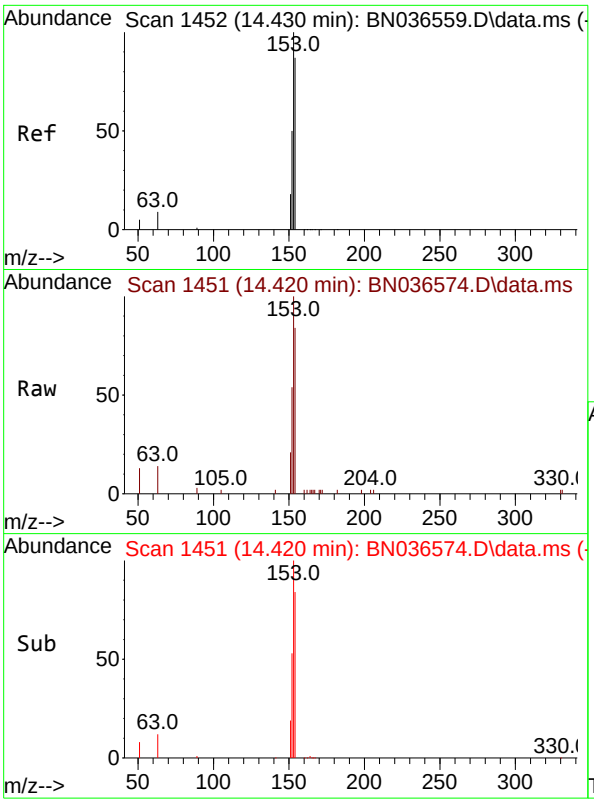


#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:152 Resp: 6004

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	12.9	10.6	15.8



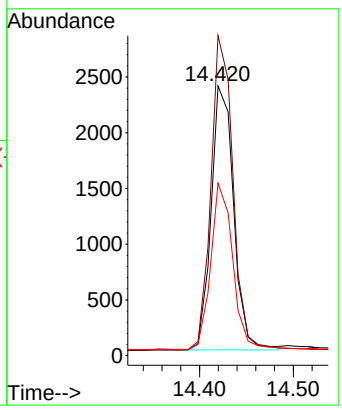


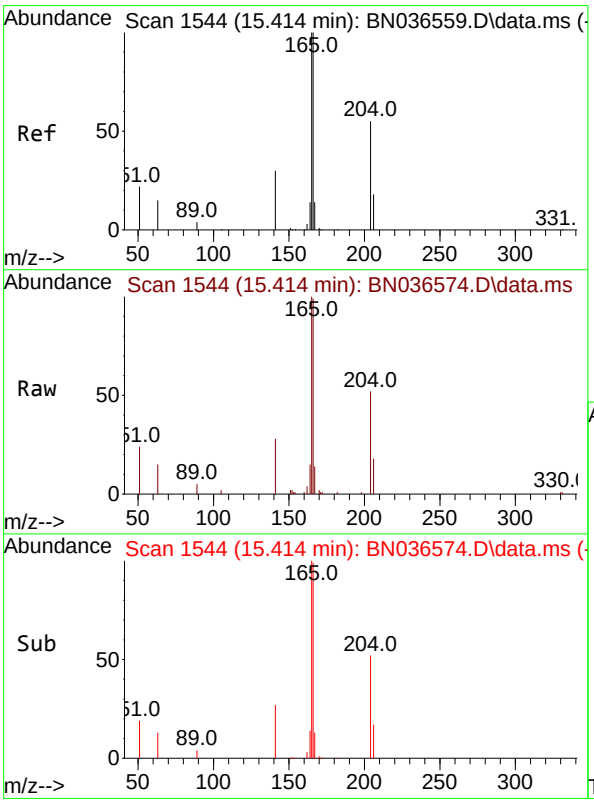
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.420 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3941

Ion	Ratio	Lower	Upper
154	100		
153	118.4	94.1	141.1
152	62.0	49.8	74.6

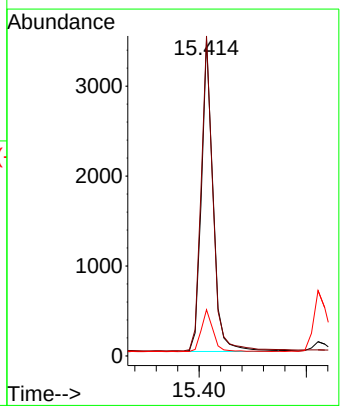


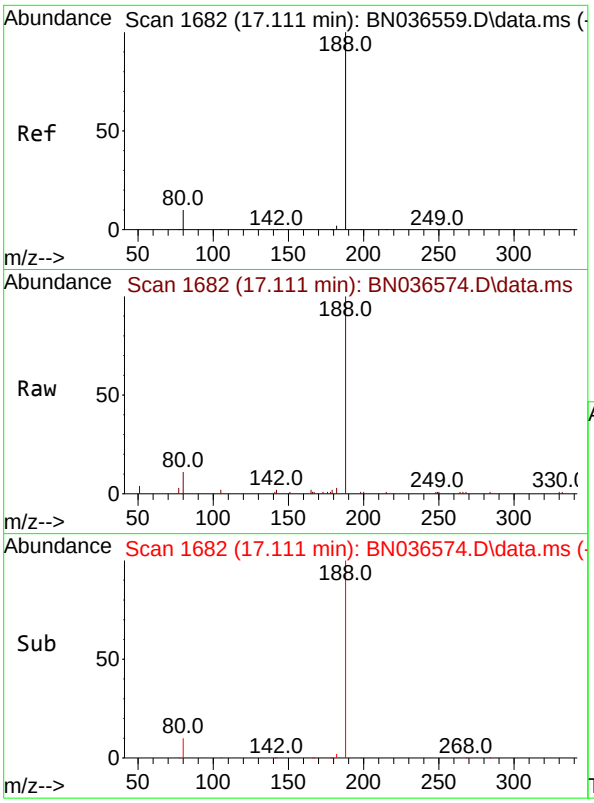


#18
Fluorene
Concen: 0.388 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:166 Resp: 5415

Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	13.5	10.6	15.8



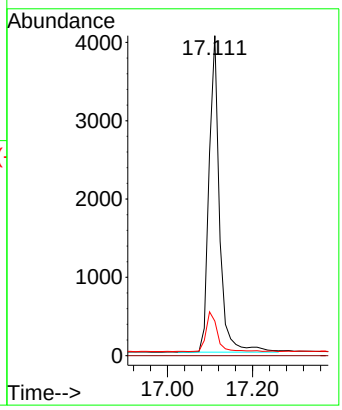


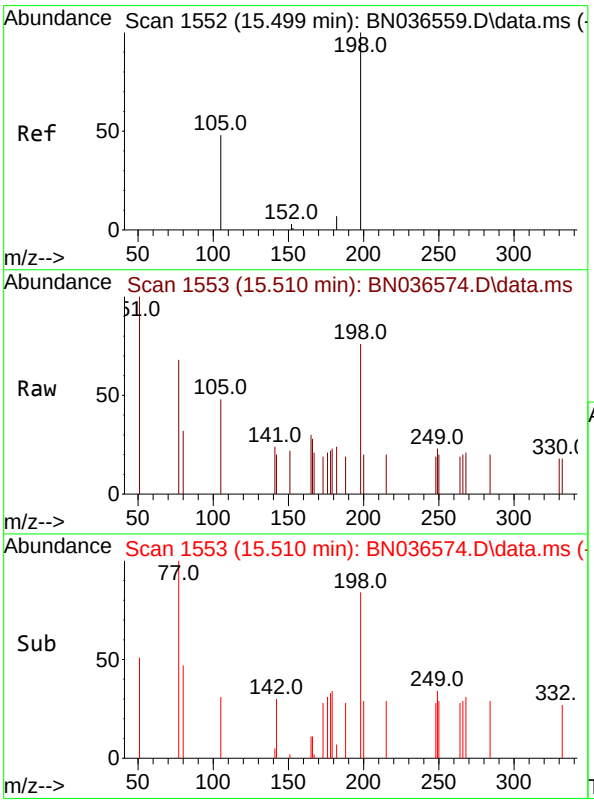
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6922

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	8.8	13.2

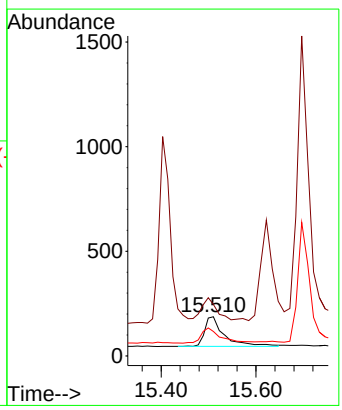


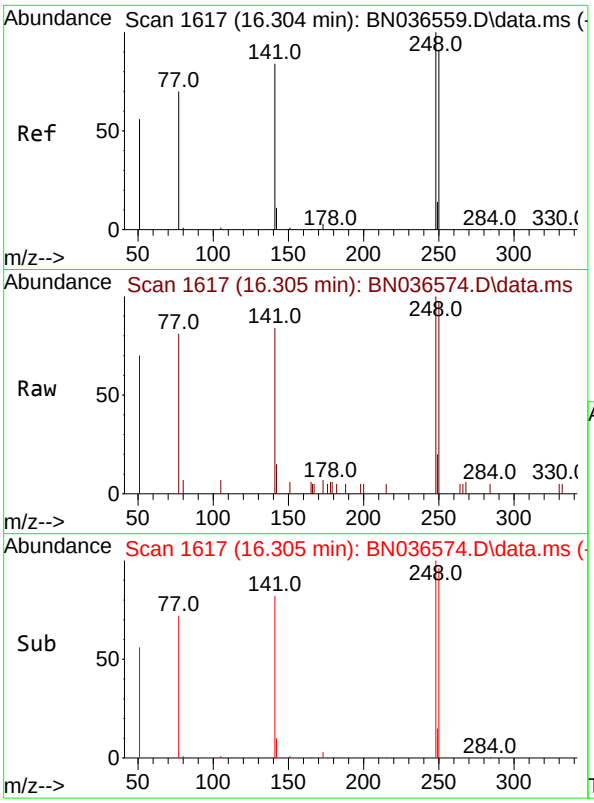


#20
4,6-Dinitro-2-methylphenol
Concen: 0.376 ng
RT: 15.510 min Scan# 1553
Delta R.T. 0.011 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:198 Resp: 407

Ion	Ratio	Lower	Upper
198	100		
51	131.6	107.9	161.9
105	62.6	56.2	84.2



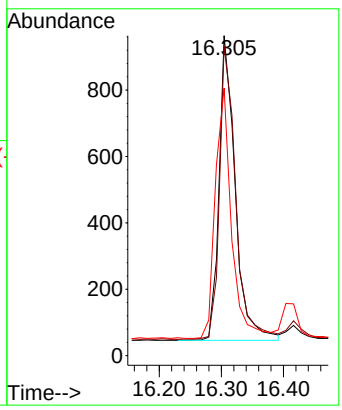


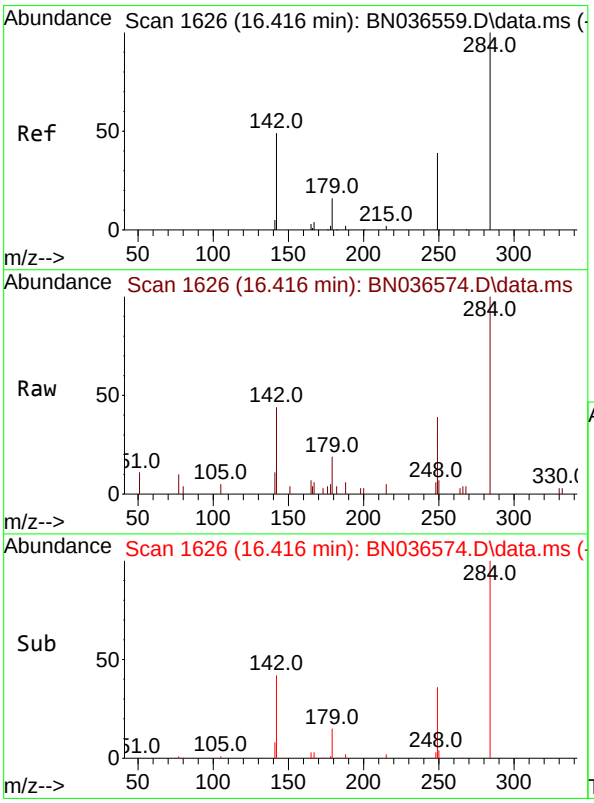
#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.305 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1650

Ion	Ratio	Lower	Upper
248	100		
250	96.7	73.0	109.6
141	83.6	68.6	103.0

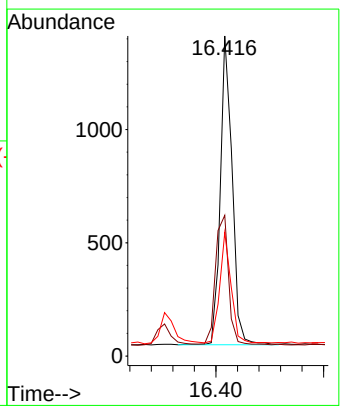


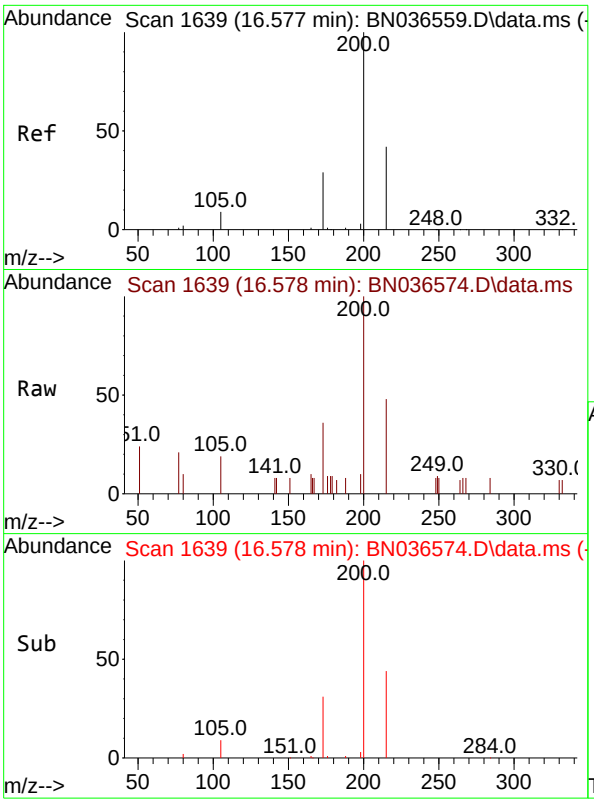


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:284 Resp: 2073

Ion	Ratio	Lower	Upper
284	100		
142	47.4	37.0	55.4
249	34.8	28.1	42.1



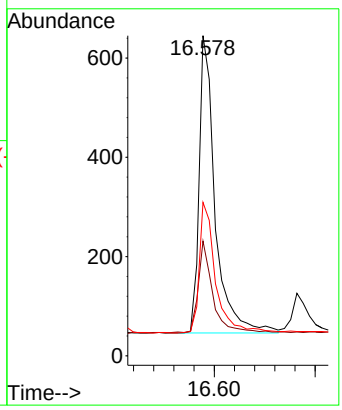


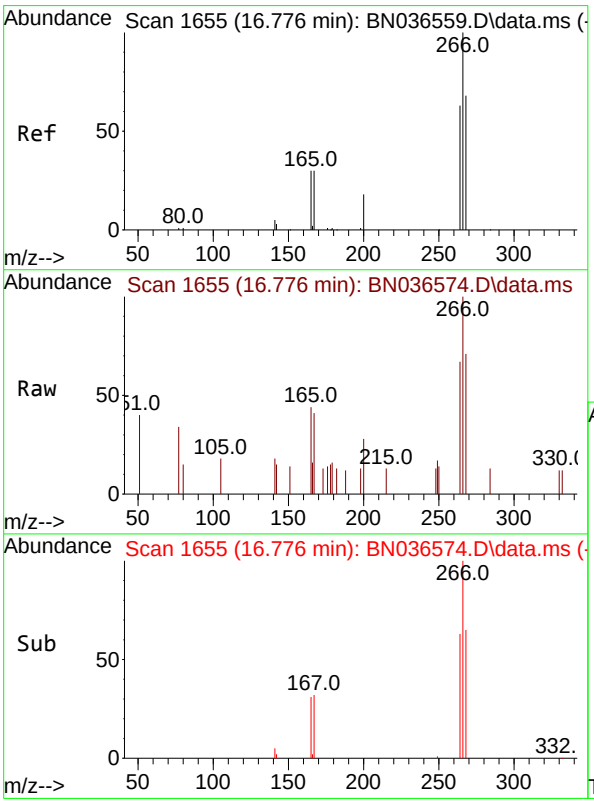
#23
Atrazine
Concen: 0.379 ng
RT: 16.578 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1319

Ion	Ratio	Lower	Upper
200	100		
173	35.8	27.3	40.9
215	47.9	36.8	55.2

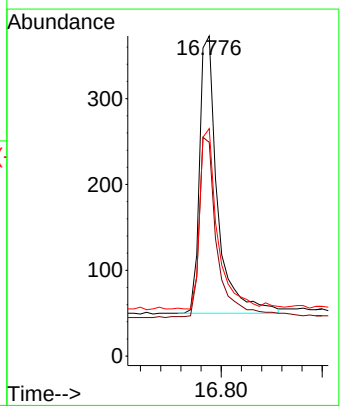


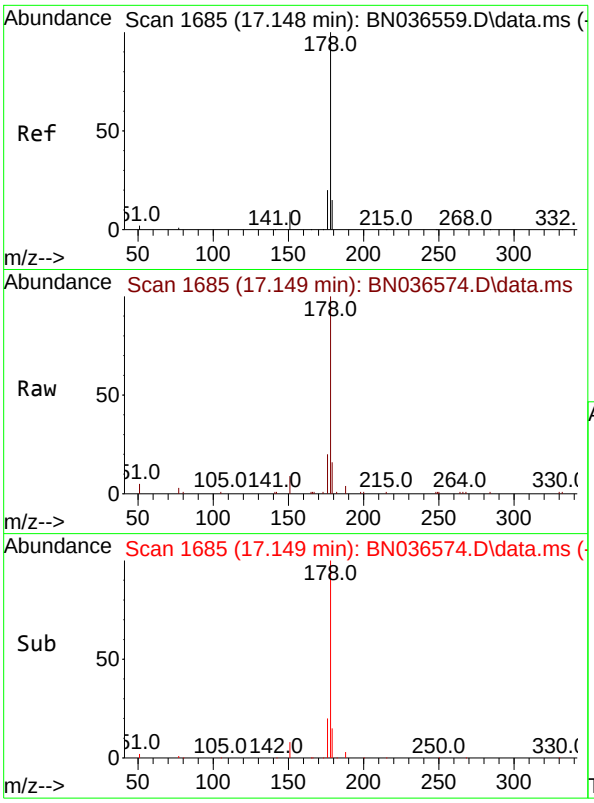


#24
Pentachlorophenol
Concen: 0.335 ng
RT: 16.776 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:266 Resp: 800

Ion	Ratio	Lower	Upper
266	100		
264	65.5	49.6	74.4
268	63.4	50.9	76.3



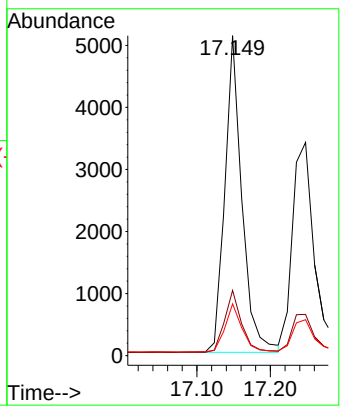


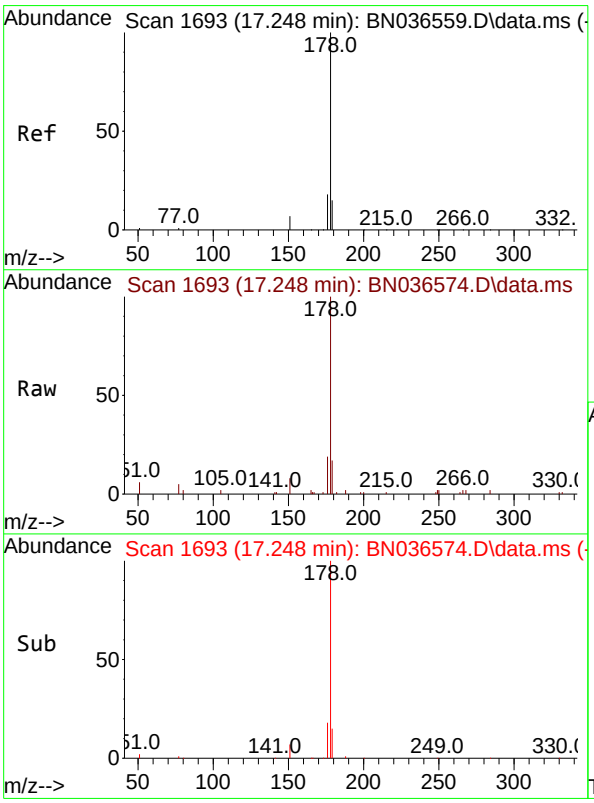
#25
Phenanthrene
Concen: 0.397 ng
RT: 17.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8248

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.3	12.2	18.4

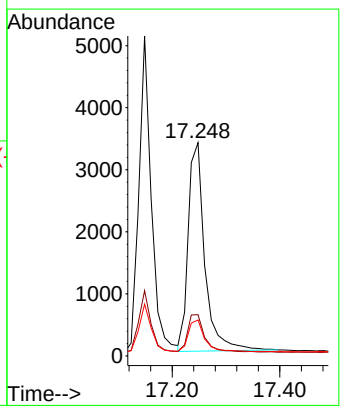


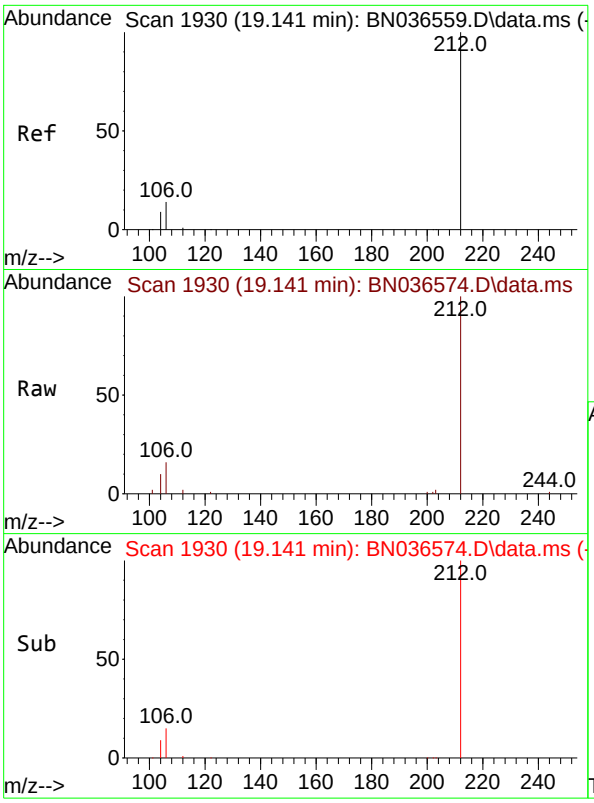


#26
Anthracene
Concen: 0.384 ng
RT: 17.248 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:178 Resp: 7203

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	18.8



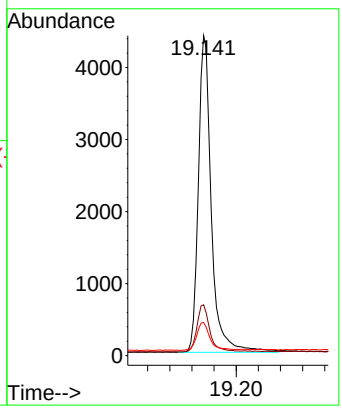


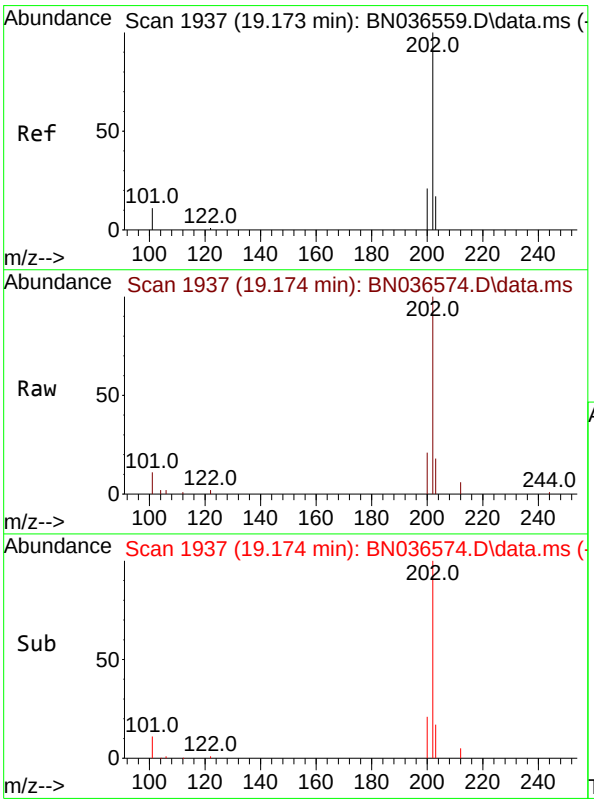
#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 19.141 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 7182

Ion	Ratio	Lower	Upper
212	100		
106	14.7	11.8	17.6
104	9.0	7.3	10.9

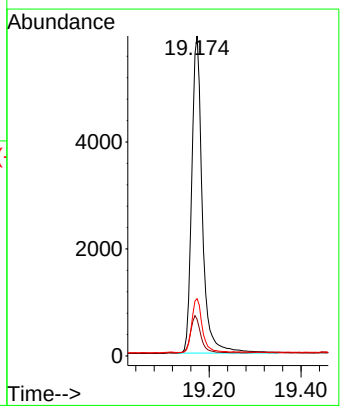


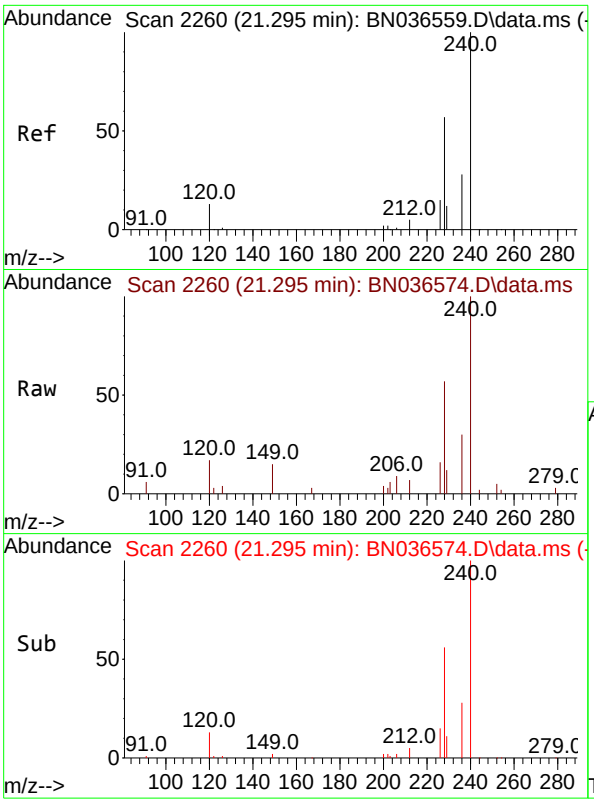


#28
Fluoranthene
Concen: 0.408 ng
RT: 19.174 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:202 Resp: 9516

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.4	14.0
203	16.9	13.5	20.3



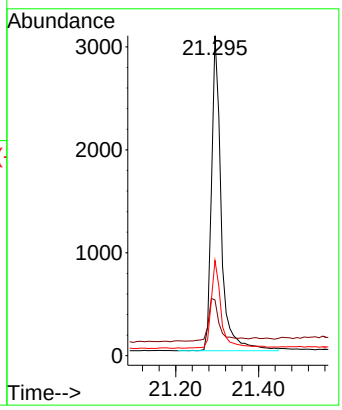


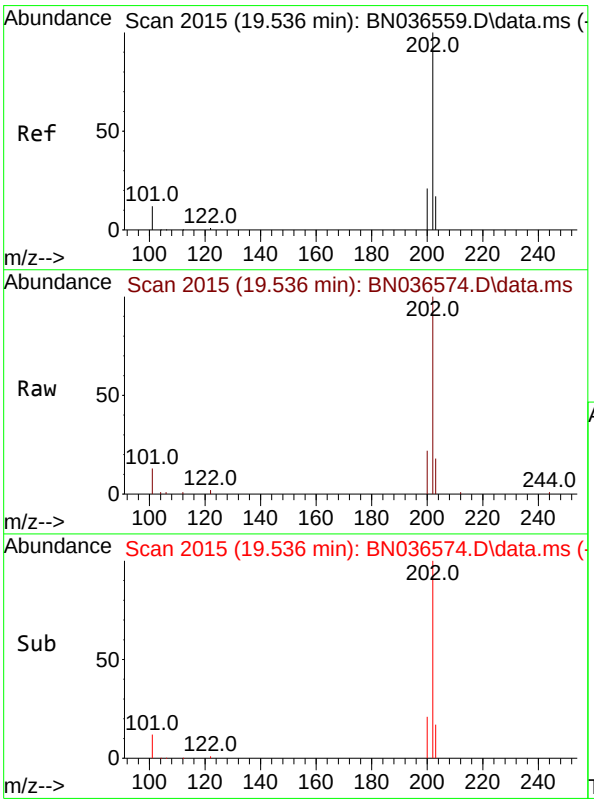
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 4977

Ion	Ratio	Lower	Upper
240	100		
120	17.4	14.6	22.0
236	29.8	24.1	36.1

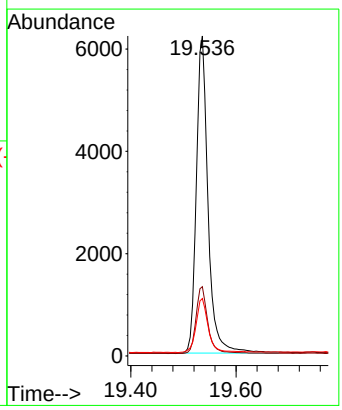


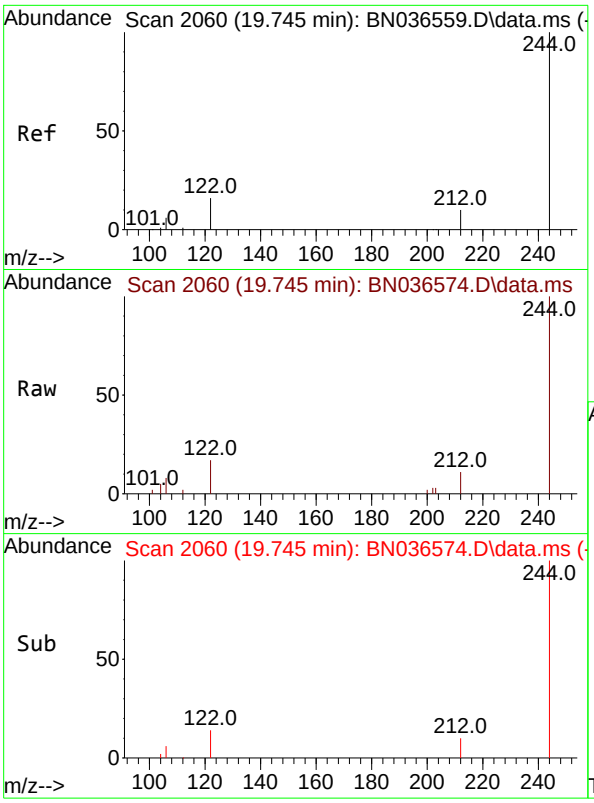


#30
Pyrene
Concen: 0.393 ng
RT: 19.536 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:202 Resp: 9574

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.8	14.1	21.1



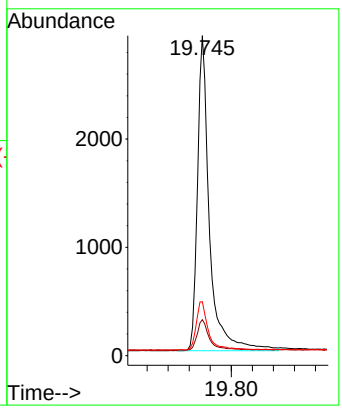


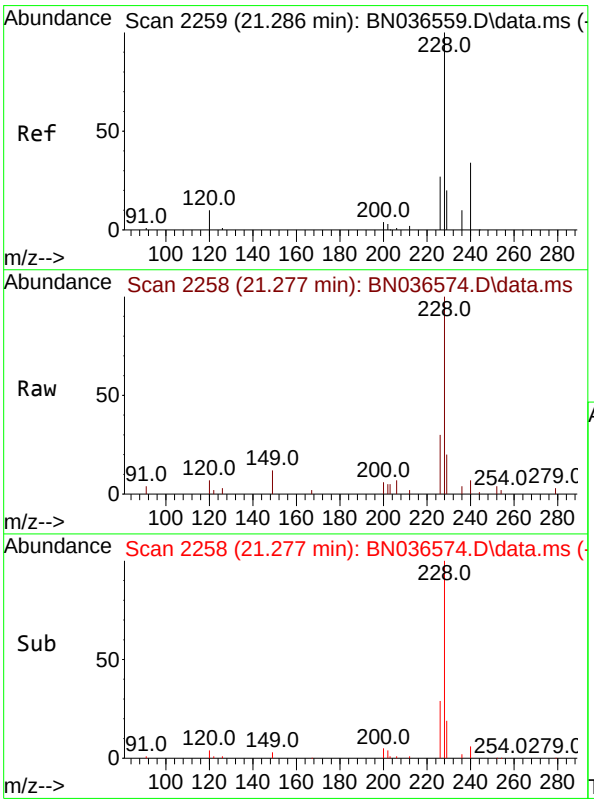
#31
Terphenyl-d14
Concen: 0.386 ng
RT: 19.745 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 4607

Ion	Ratio	Lower	Upper
244	100		
212	11.2	9.6	14.4
122	16.8	13.9	20.9

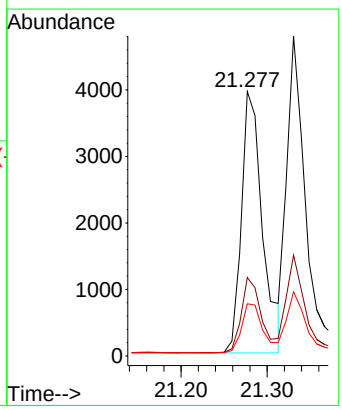


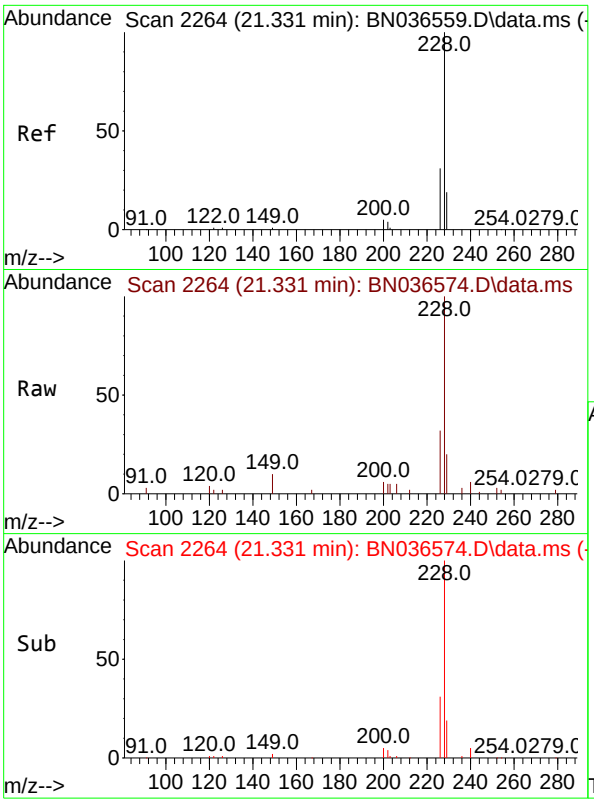


#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:228 Resp: 6681

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.5	33.7
229	19.7	16.6	25.0



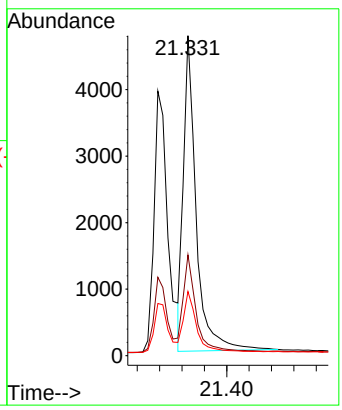


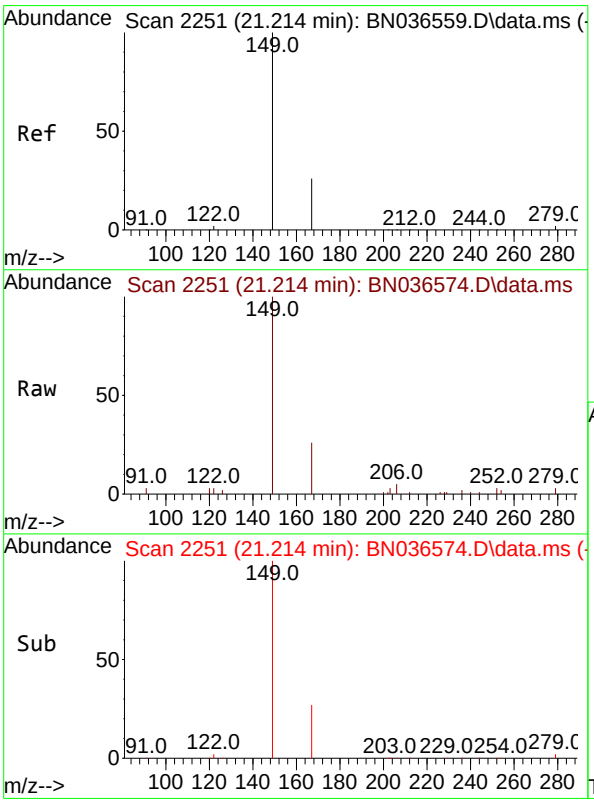
#33
Chrysene
Concen: 0.395 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 7472

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.3	37.9
229	20.1	15.8	23.8

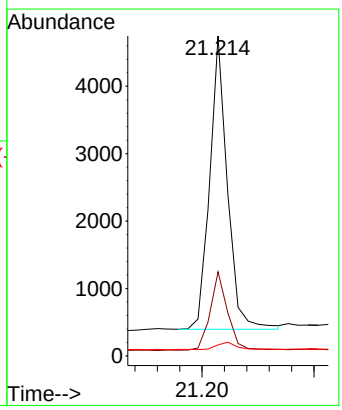


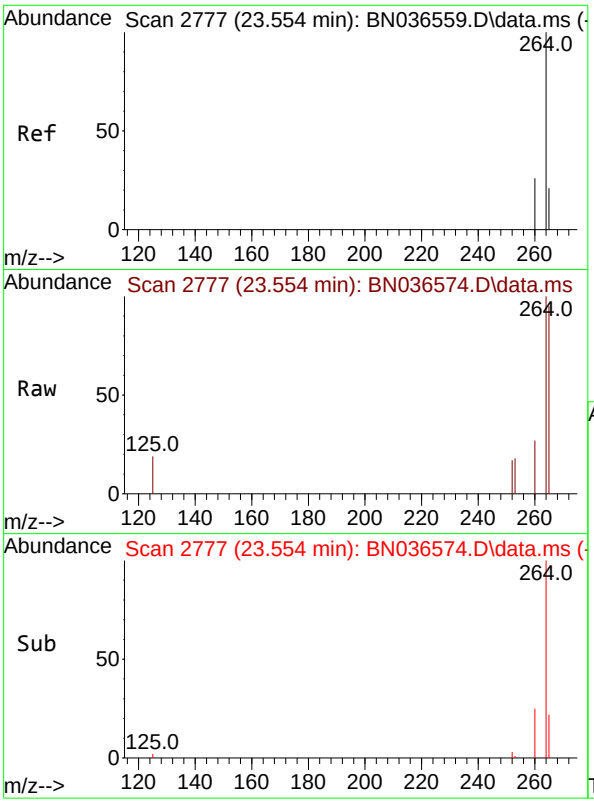


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.387 ng
RT: 21.214 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:149 Resp: 4774

Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.7	31.1
279	3.0	3.6	5.4#



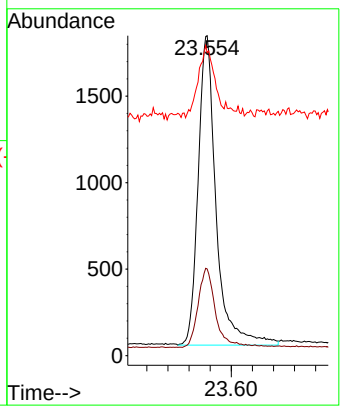


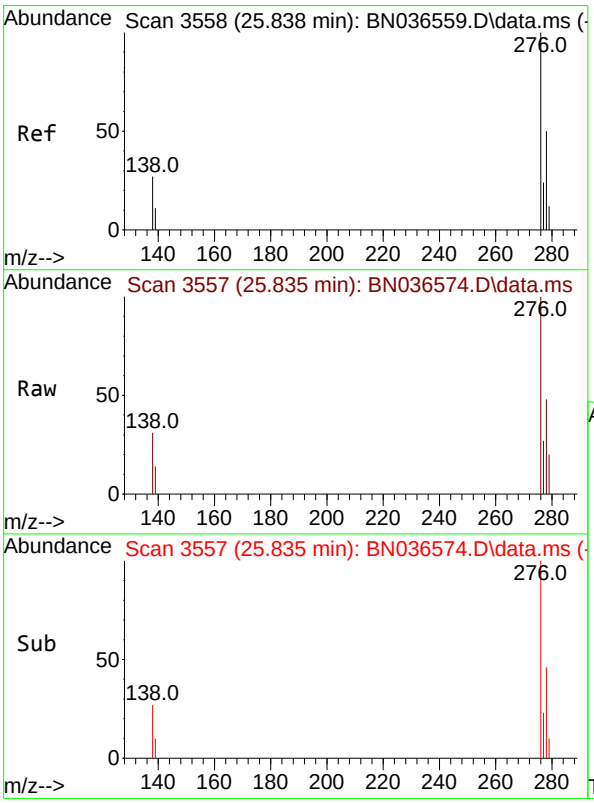
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.554 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 4232

Ion	Ratio	Lower	Upper
264	100		
260	27.1	22.6	33.8
265	94.7	88.1	132.1

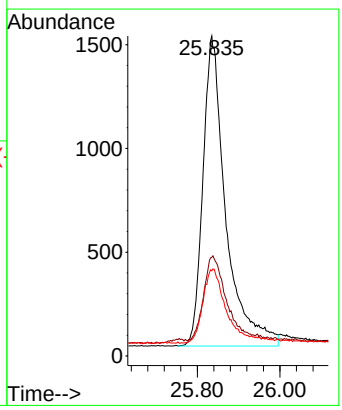


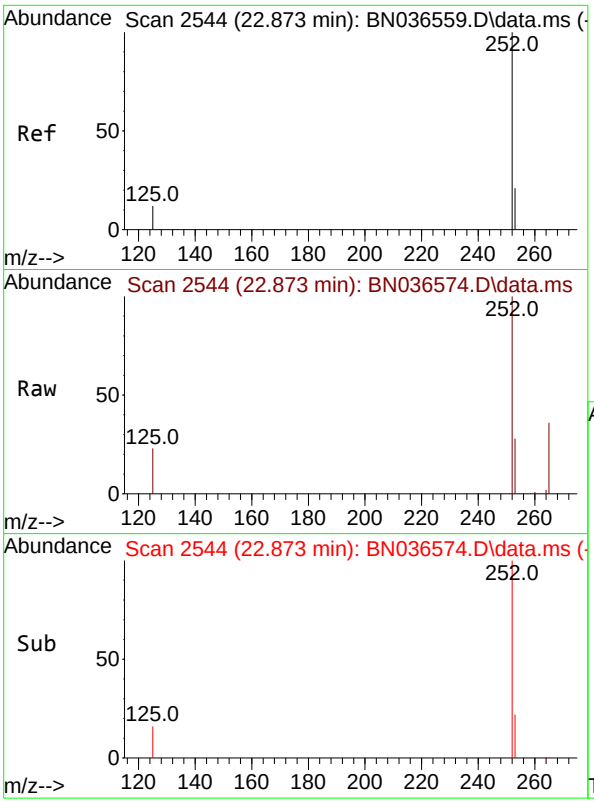


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.835 min Scan# 3557
Delta R.T. -0.003 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:276 Resp: 5731

Ion	Ratio	Lower	Upper
276	100		
138	27.2	23.4	35.2
277	23.9	20.0	30.0



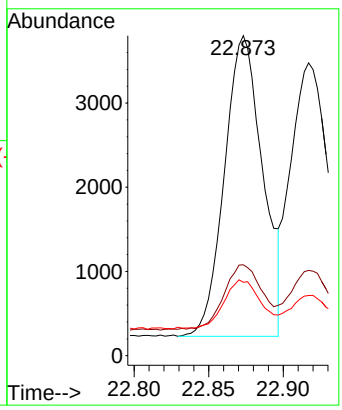


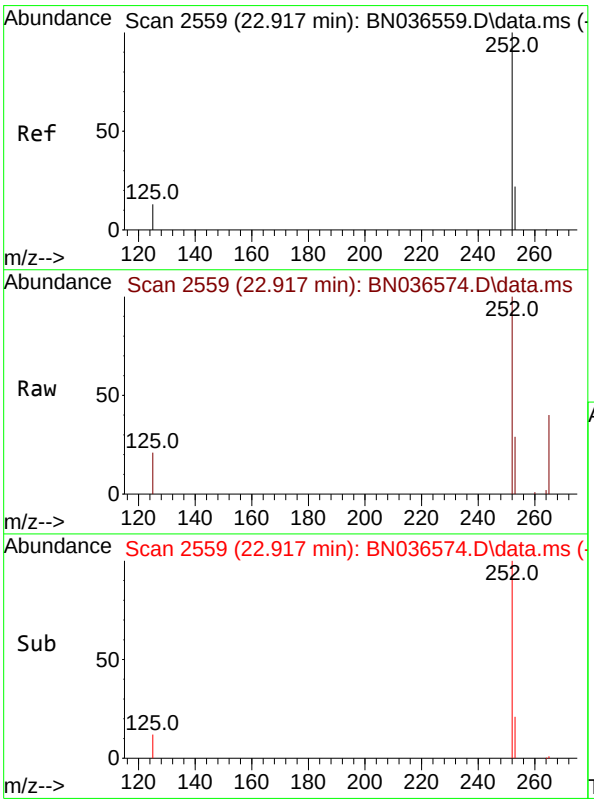
#37
Benzo(b)fluoranthene
Concen: 0.415 ng
RT: 22.873 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6389

Ion	Ratio	Lower	Upper
252	100		
253	28.4	23.9	35.9
125	23.0	17.4	26.2

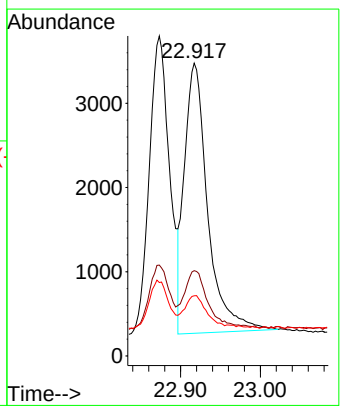


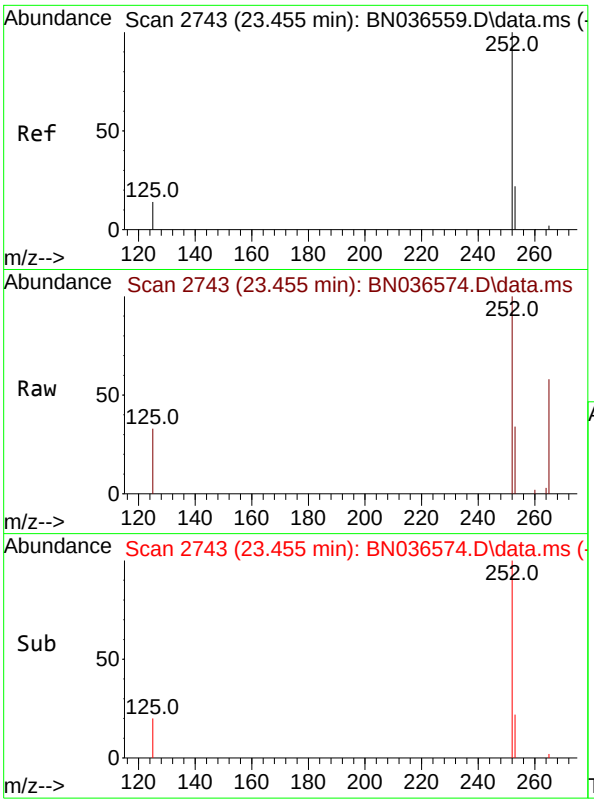


#38
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 22.917 min Scan# 2559
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:252 Resp: 6510

Ion	Ratio	Lower	Upper
252	100		
253	29.1	24.6	36.8
125	20.6	17.8	26.8



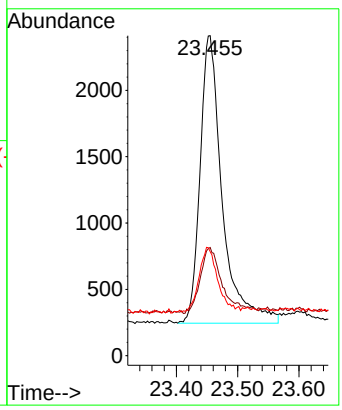


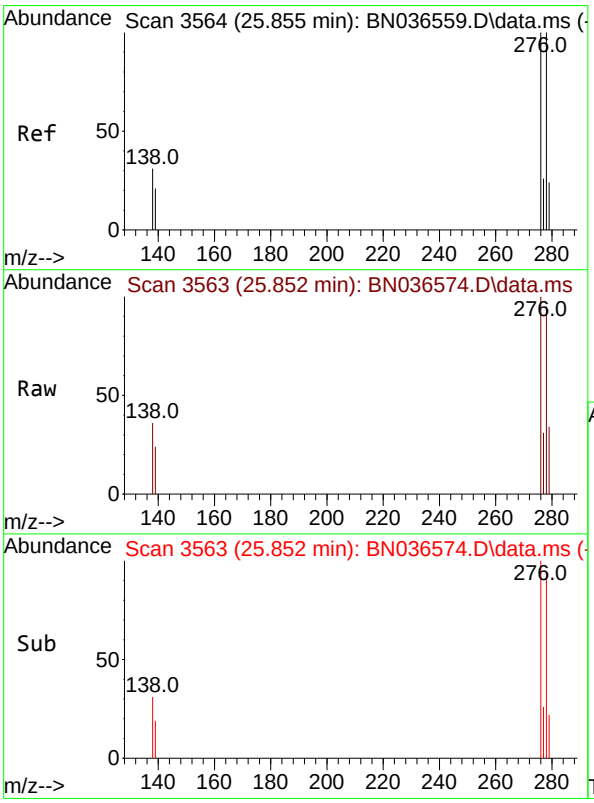
#39
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.455 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 5454

Ion	Ratio	Lower	Upper
252	100		
253	33.8	27.8	41.8
125	32.5	22.7	34.1

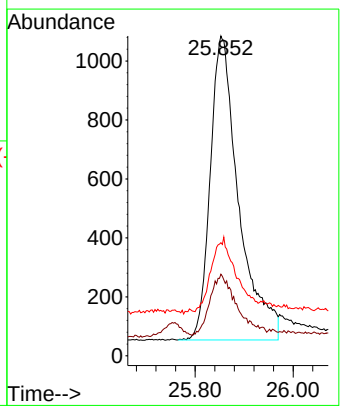


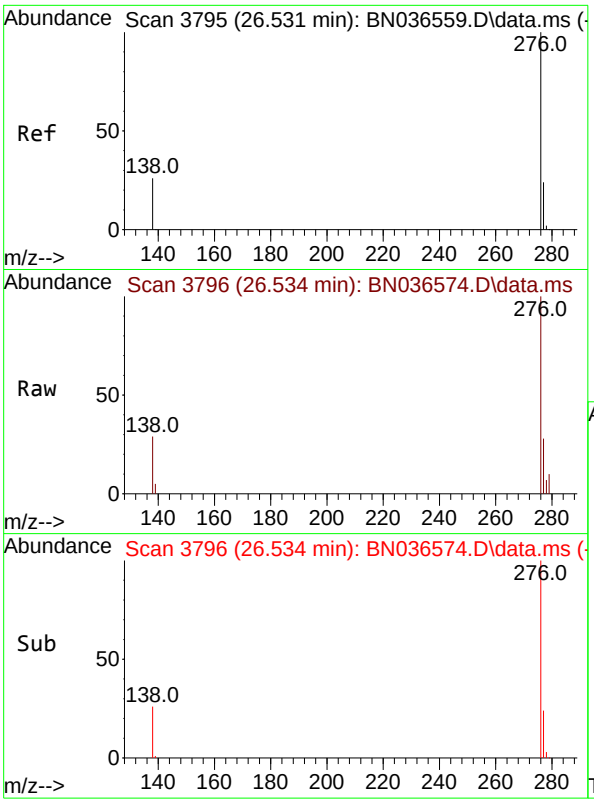


#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 25.852 min Scan# 3563
Delta R.T. -0.003 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Tgt Ion:278 Resp: 4158

Ion	Ratio	Lower	Upper
278	100		
139	25.5	20.8	31.2
279	35.4	28.8	43.2





#41
Benzo(g,h,i)perylene
Concen: 0.384 ng
RT: 26.534 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN036574.D
Acq: 11 Mar 2025 10:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 5220

Ion	Ratio	Lower	Upper
276	100		
277	27.6	22.2	33.4
138	29.4	24.1	36.1