Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037578.D
Acq On : 12 Aug 2025 16:26
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 13 04:47:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2217	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5472	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2625	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	5296	0.400	ng	0.00
29) Chrysene-d12	21.277	240	4146	0.400	ng	# 0.00
35) Perylene-d12	23.514	264	4132	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	511	0.102	ng	0.00
5) Phenol-d6	6.879	99	579	0.096	ng	0.00
8) Nitrobenzene-d5	8.854	82	369	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	667	0.090	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	91	0.079	ng	0.01
15) 2-Fluorobiphenyl	12.978	172	1461	0.096	ng	0.00
27) Fluoranthene-d10	19.123	212	1234	0.089	ng	0.00
31) Terphenyl-d14	19.726	244	844	0.099	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	244	0.115	ng	# 87
3) n-Nitrosodimethylamine	3.543	42	267	0.099	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	518	0.095	ng	94
9) Naphthalene	10.552	128	1428	0.098	ng	# 89
10) Hexachlorobutadiene	10.851	225	345	0.097	ng	# 99
12) 2-Methylnaphthalene	12.167	142	806	0.088	ng	94
16) Acenaphthylene	14.067	152	1142	0.097	ng	99
17) Acenaphthene	14.409	154	751	0.094	ng	95
18) Fluorene	15.403	166	962	0.092	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	51	0.234	ng	# 39
21) 4-Bromophenyl-phenylether	16.292	248	299	0.090	ng	90
22) Hexachlorobenzene	16.404	284	476	0.101	ng	99
23) Atrazine	16.565	200	168	0.089	ng	# 76
24) Pentachlorophenol	16.739	266	158	0.095	ng	96
25) Phenanthrene	17.124	178	1517	0.094	ng	99
26) Anthracene	17.223	178	1258	0.088	ng	100
28) Fluoranthene	19.150	202	1643	0.089	ng	99
30) Pyrene	19.513	202	1595	0.103	ng	100
32) Benzo(a)anthracene	21.259	228	1312	0.095	ng	94
33) Chrysene	21.313	228	1603	0.104	ng	95
34) Bis(2-ethylhexyl)phtha...	21.205	149	663	0.116	ng	98
36) Indeno(1,2,3-cd)pyrene	25.771	276	1494	0.086	ng	99
37) Benzo(b)fluoranthene	22.841	252	1396	0.089	ng	# 74
38) Benzo(k)fluoranthene	22.885	252	1650	0.093	ng	# 72
39) Benzo(a)pyrene	23.411	252	1184	0.091	ng	# 64
40) Dibenzo(a,h)anthracene	25.791	278	1057	0.078	ng	# 72
41) Benzo(g,h,i)perylene	26.458	276	1247	0.088	ng	# 84

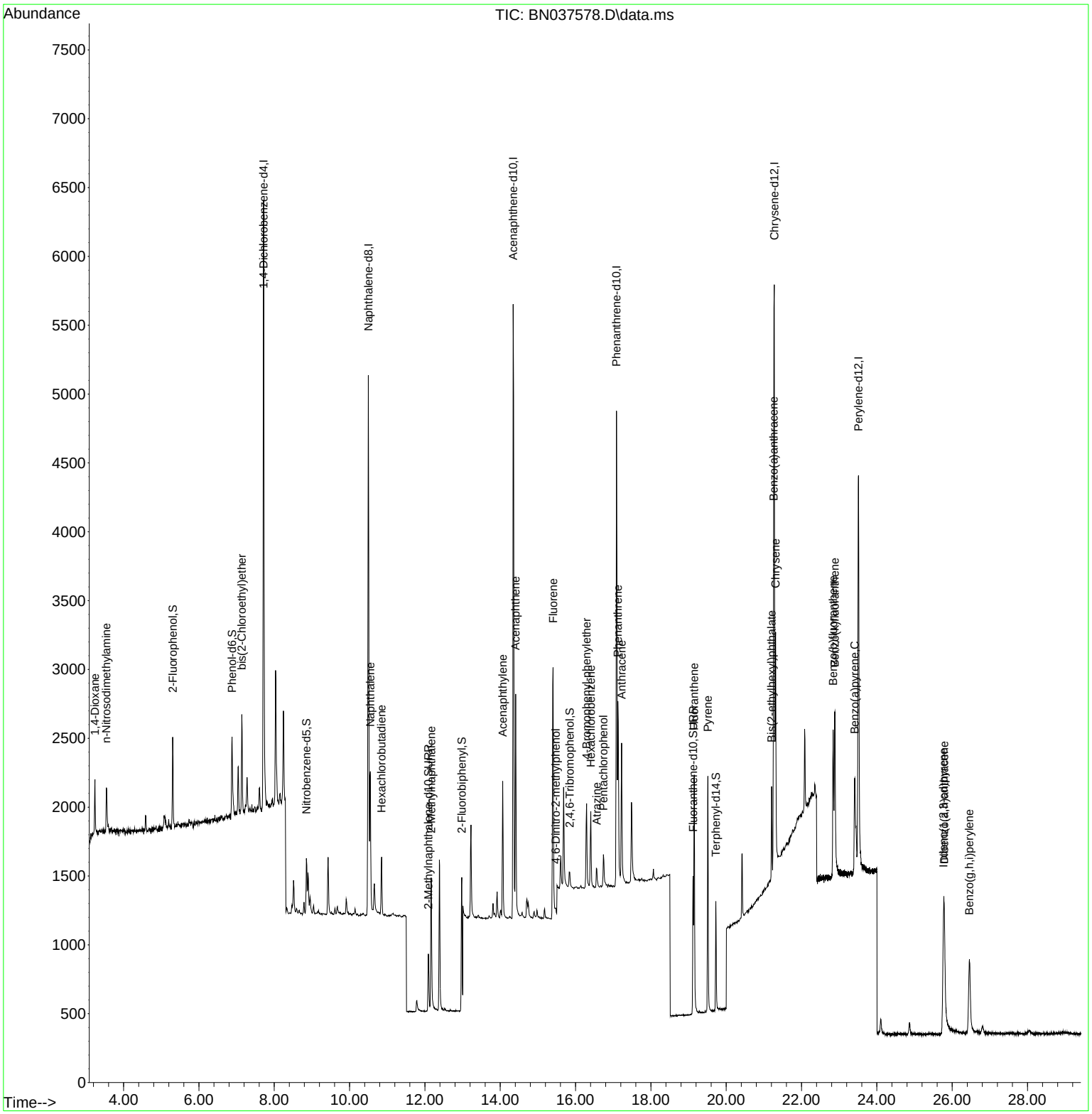
(#) = qualifier out of range (m) = manual integration (+) = signals summed

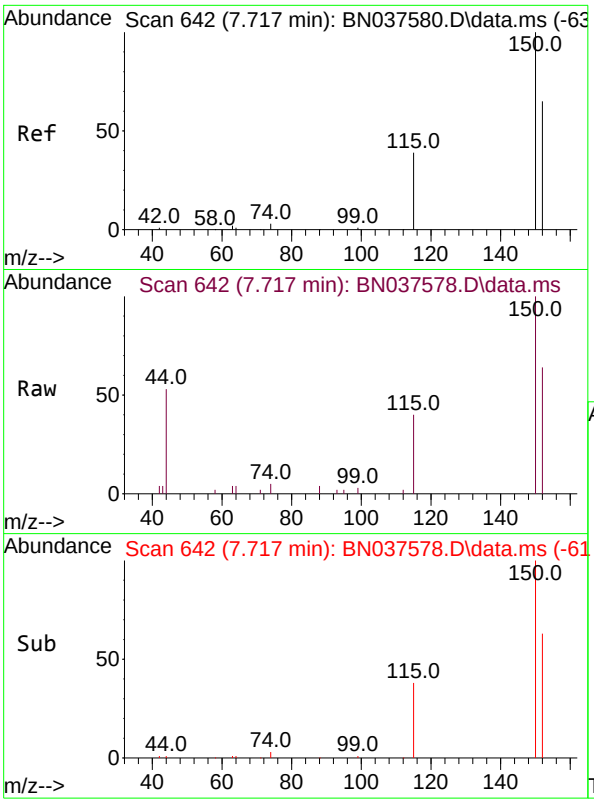
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037578.D
Acq On : 12 Aug 2025 16:26
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 13 04:47:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



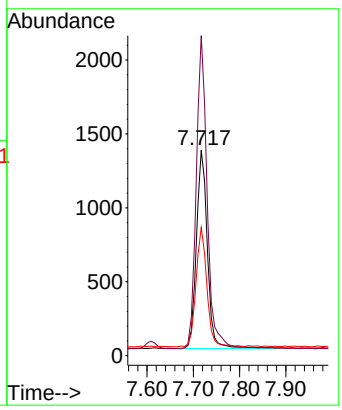


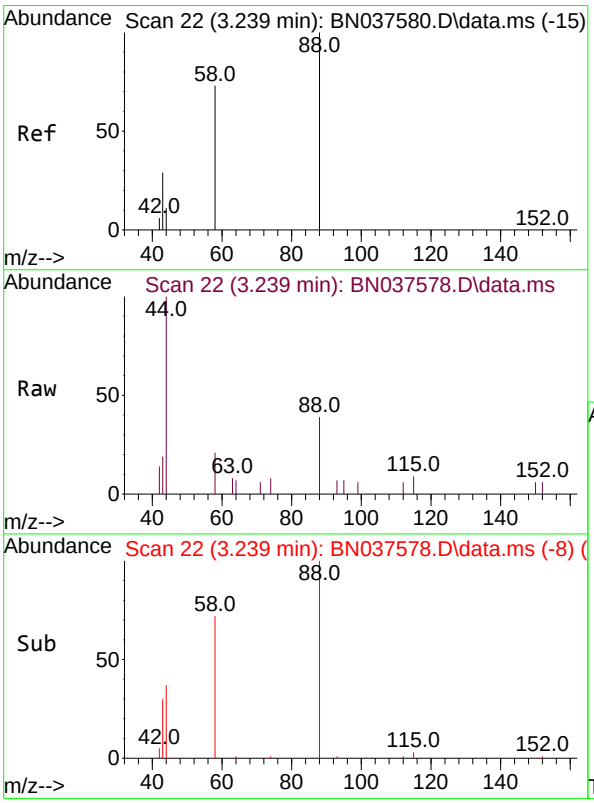
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2217

Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.2	183.4
115	62.3	49.8	74.6

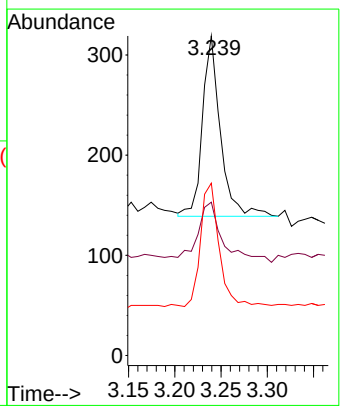


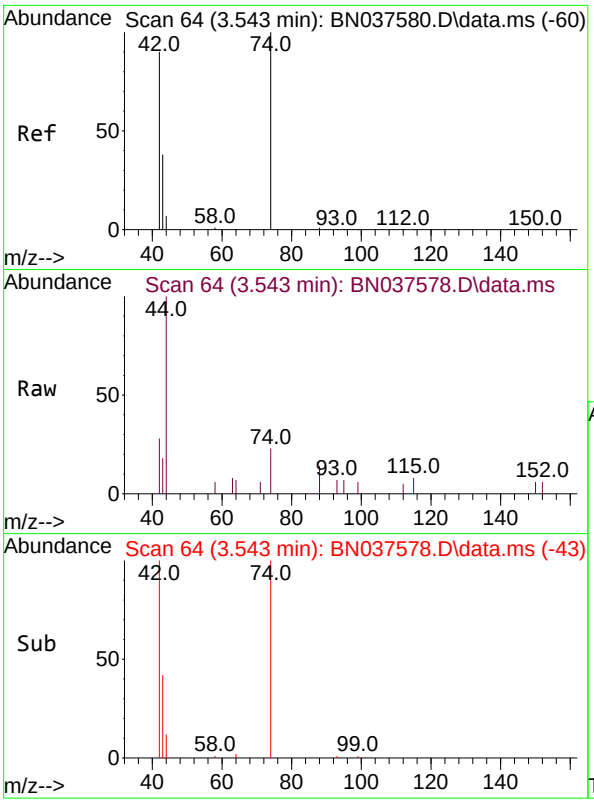


#2
1,4-Dioxane
Concen: 0.115 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion: 88 Resp: 244

Ion	Ratio	Lower	Upper
88	100		
43	48.4	25.8	38.6#
58	71.3	61.2	91.8



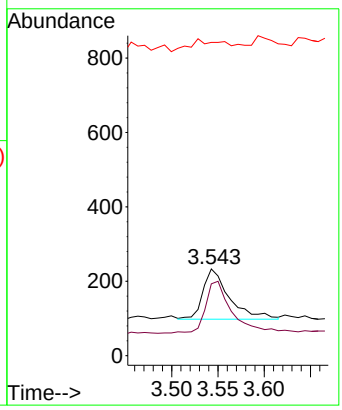


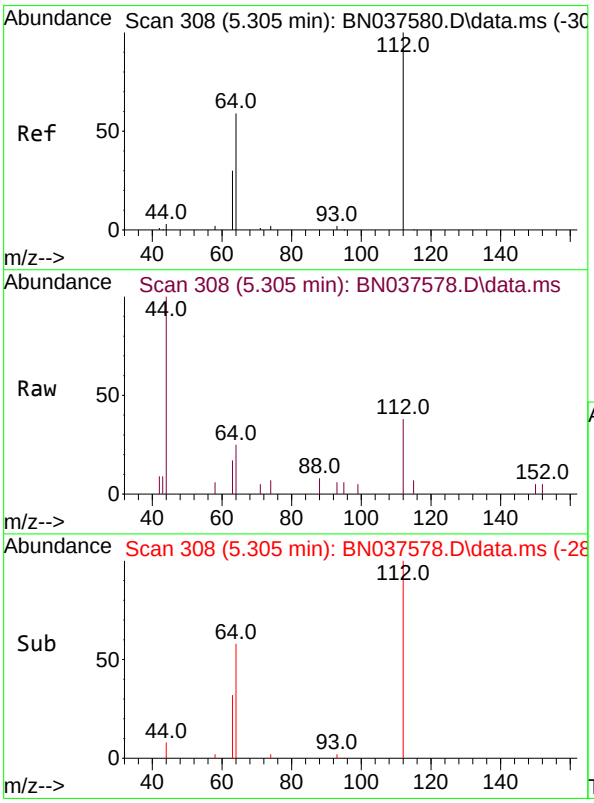
#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 267

Ion	Ratio	Lower	Upper
42	100		
74	106.7	82.0	123.0
44	0.0	7.9	11.9#

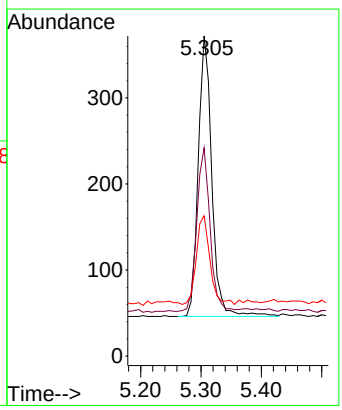


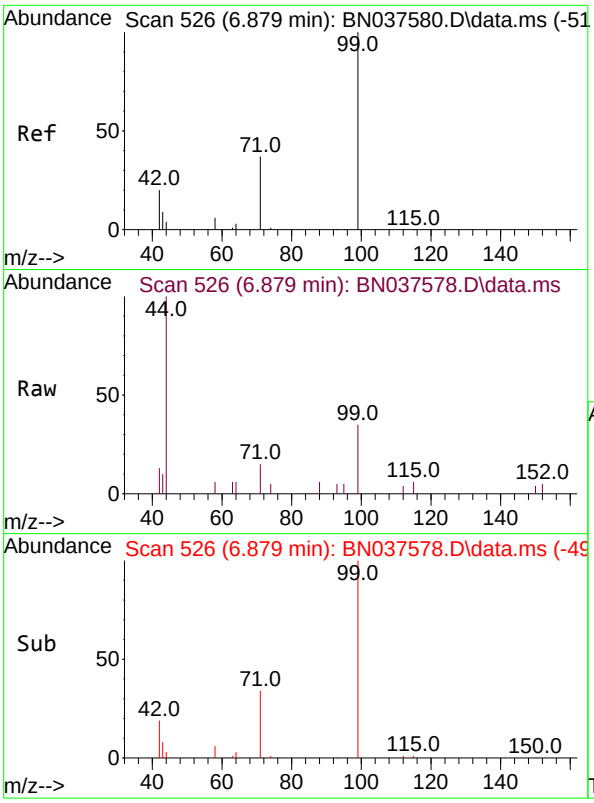


#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:112 Resp: 511

Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.9	67.3
63	31.3	23.4	35.2



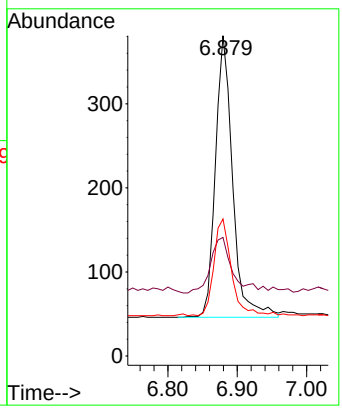


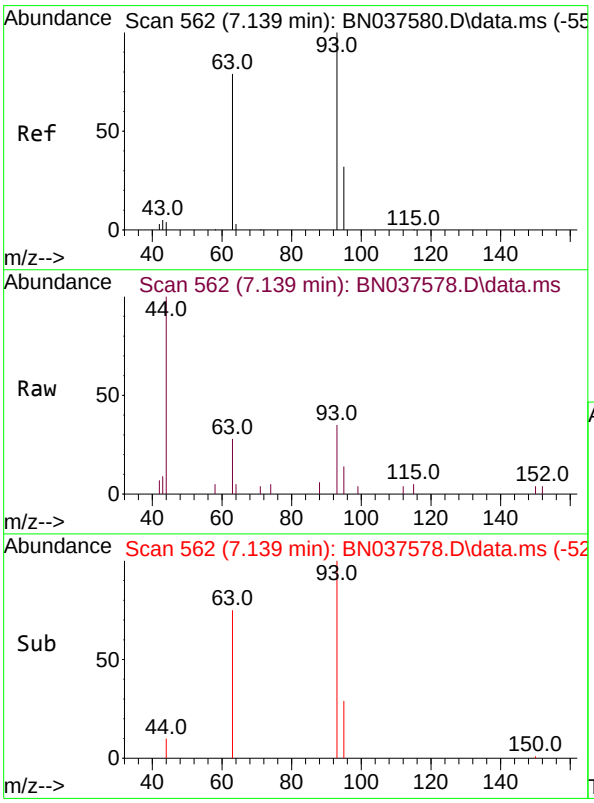
#5
Phenol-d6
Concen: 0.096 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 579

Ion	Ratio	Lower	Upper
99	100		
42	26.9	18.5	27.7
71	35.4	28.6	42.8

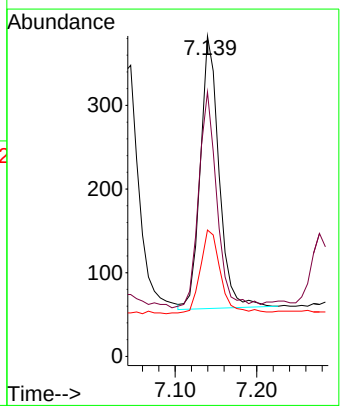


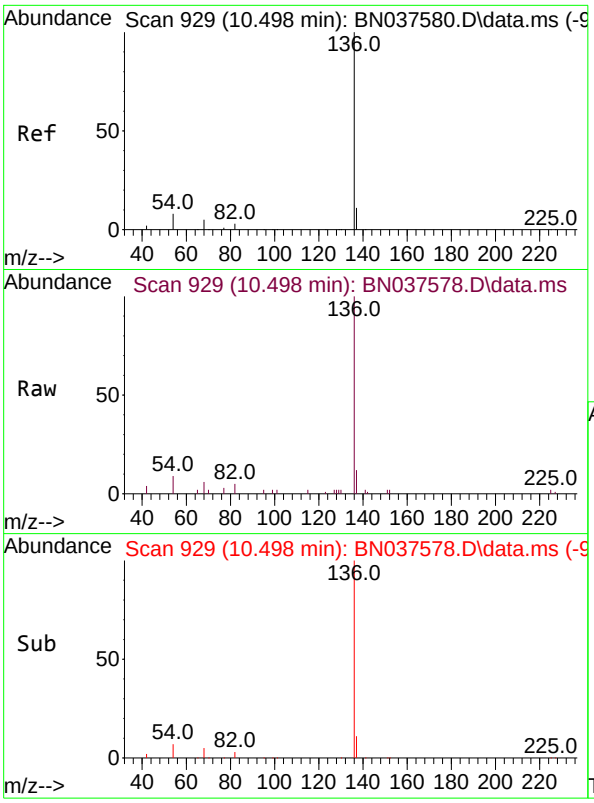


#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion: 93 Resp: 518

Ion	Ratio	Lower	Upper
93	100		
63	78.0	58.0	87.0
95	33.8	24.9	37.3



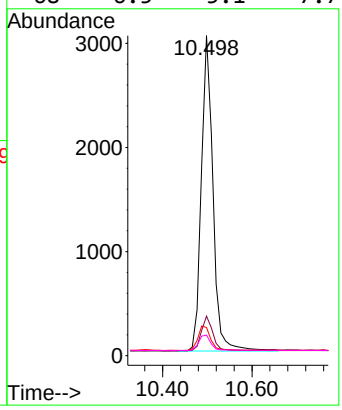


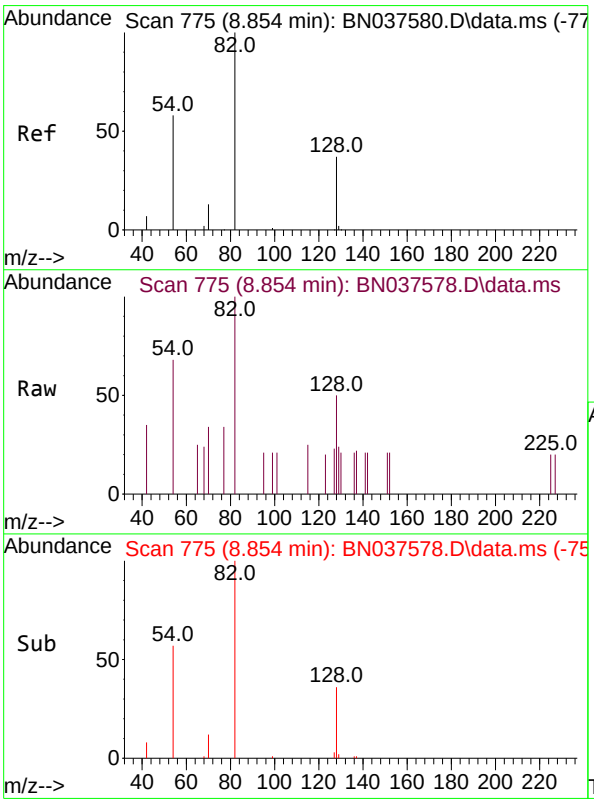
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 5472

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	8.8	7.3	10.9
68	6.5	5.1	7.7

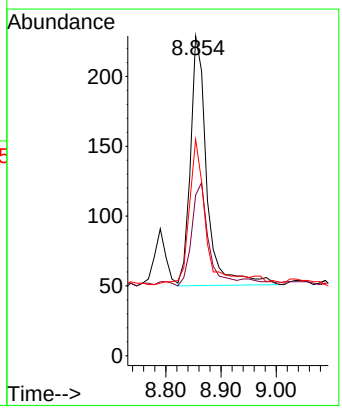


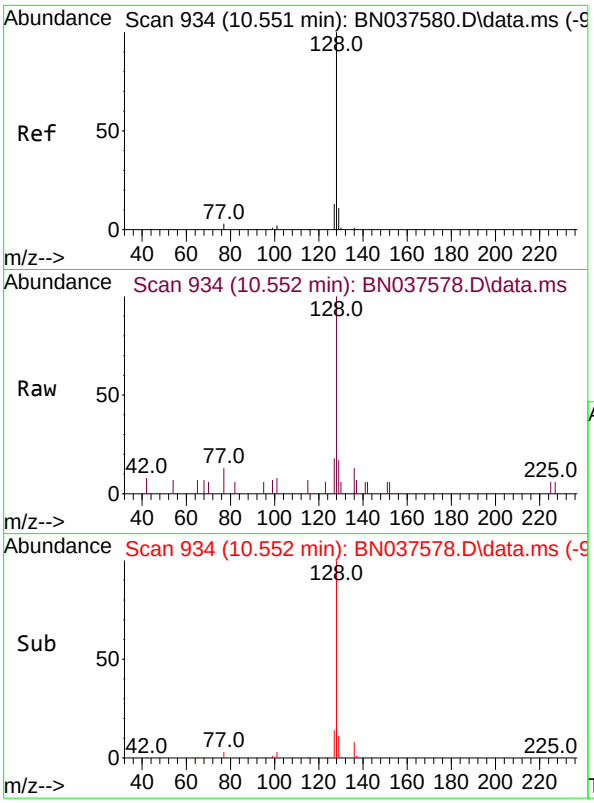


#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion: 82 Resp: 369

Ion	Ratio	Lower	Upper
82	100		
128	50.2	32.6	48.8#
54	67.7	48.9	73.3



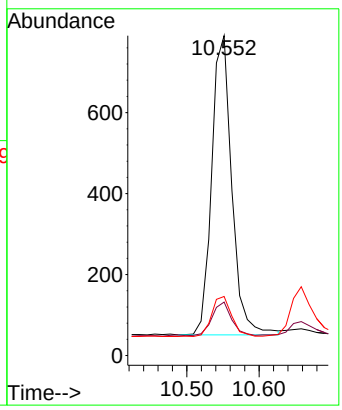


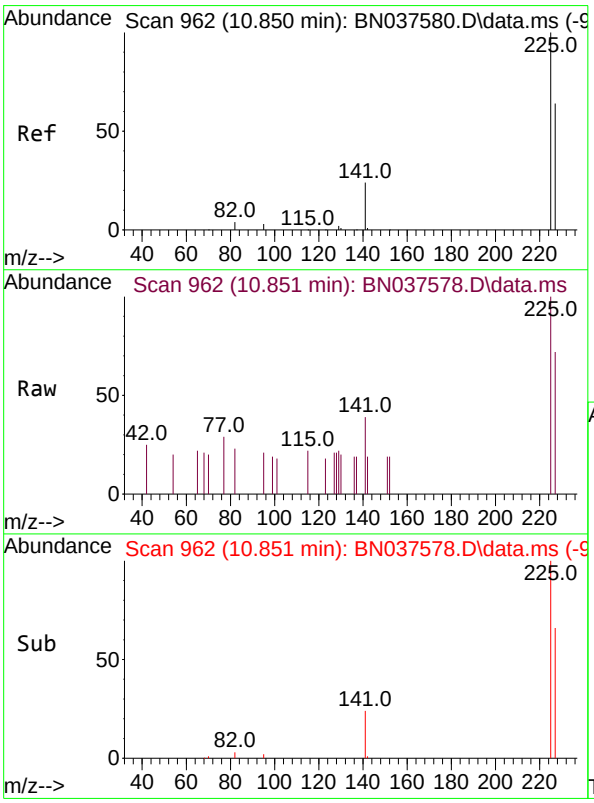
#9
Naphthalene
Concen: 0.098 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1428

Ion	Ratio	Lower	Upper
128	100		
129	16.7	9.8	14.6#
127	18.5	11.5	17.3#

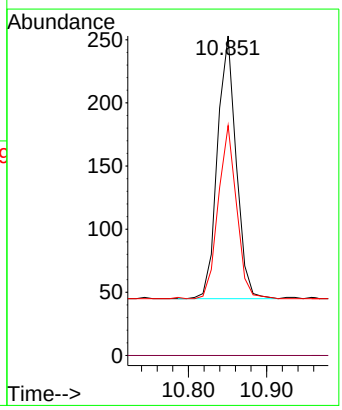


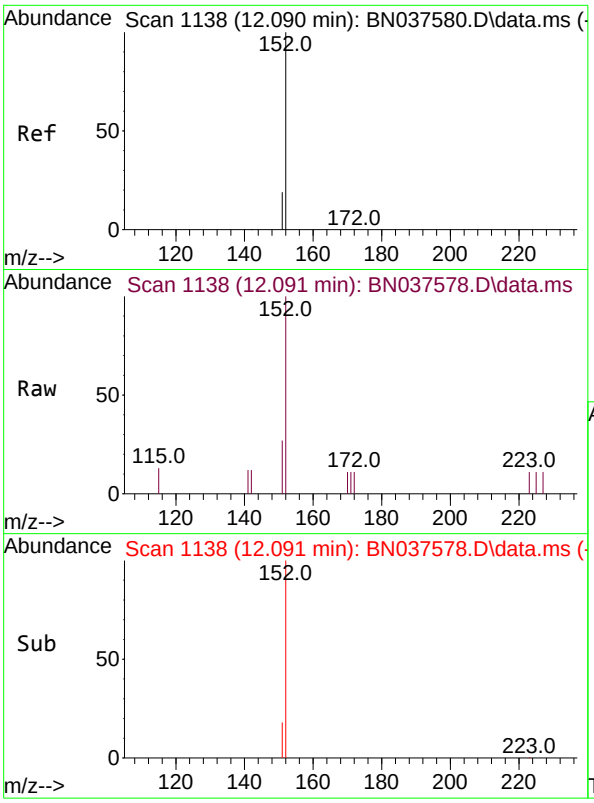


#10
Hexachlorobutadiene
Concen: 0.097 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:225 Resp: 345

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	50.8	76.2



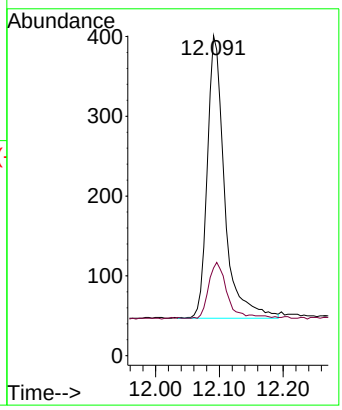


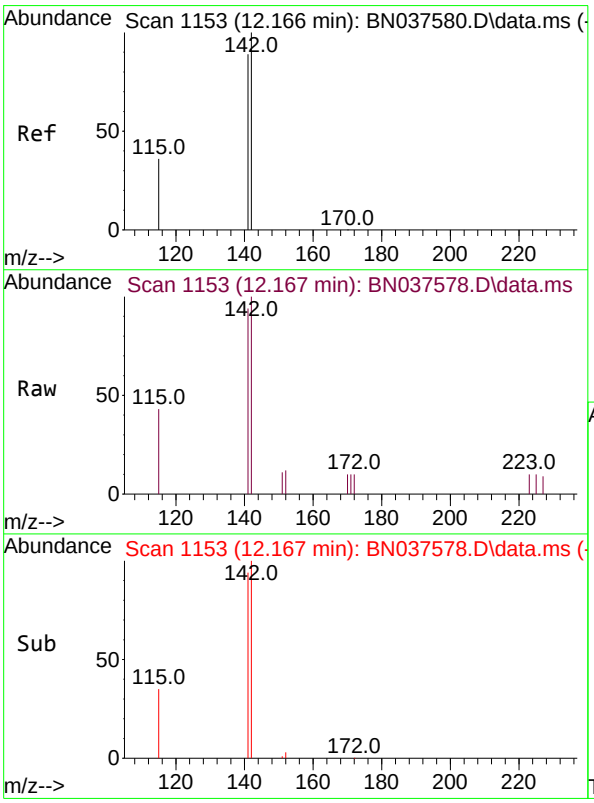
#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 12.091 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 667

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.3	25.9

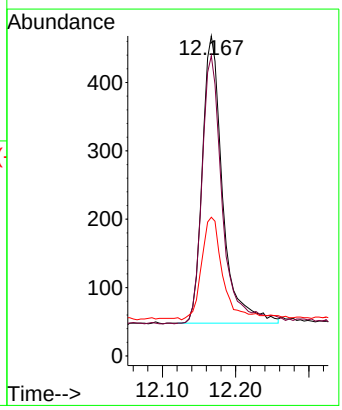


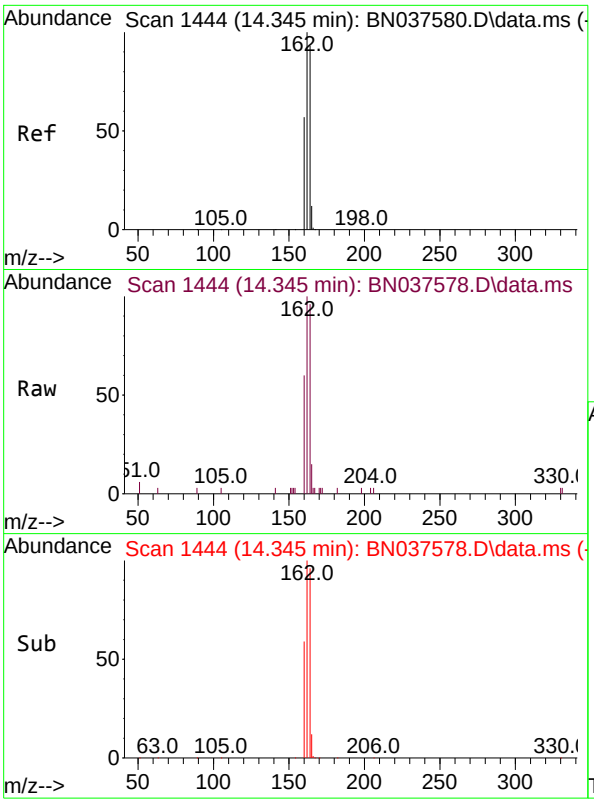


#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:142 Resp: 806

Ion	Ratio	Lower	Upper
142	100		
141	93.8	71.4	107.0
115	43.4	30.2	45.4



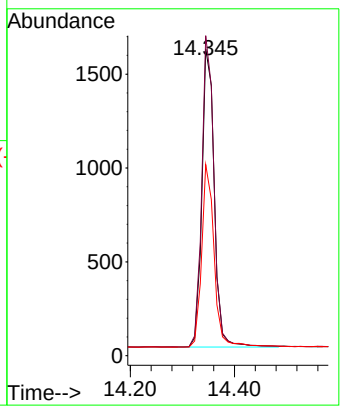


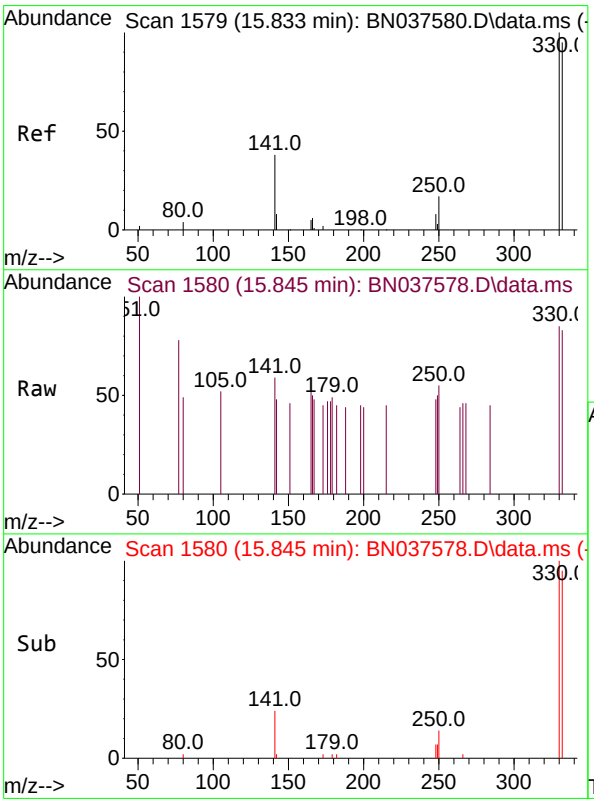
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 2625

Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.5	128.3
160	62.3	49.5	74.3

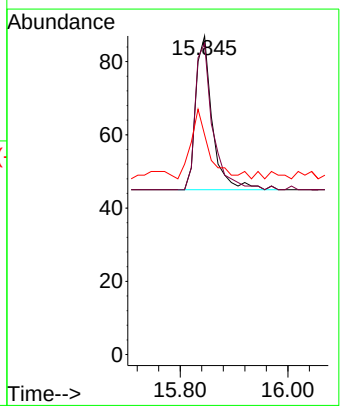


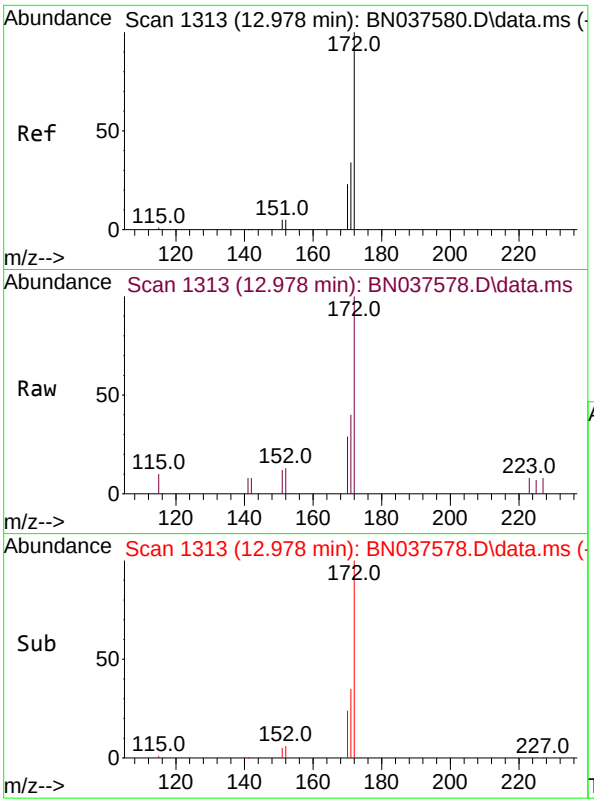


#14
2,4,6-Tribromophenol
Concen: 0.079 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:330 Resp: 91

Ion	Ratio	Lower	Upper
330	100		
332	101.1	77.4	116.0
141	47.3	30.9	46.3#



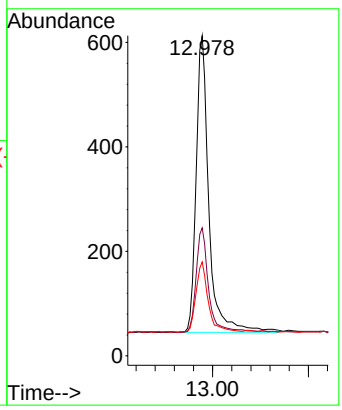


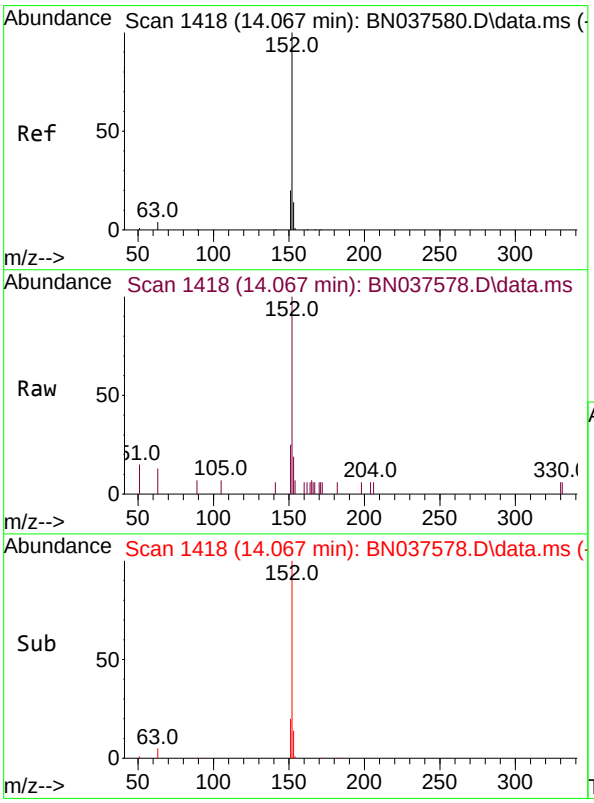
#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 12.978 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 1461

Ion	Ratio	Lower	Upper
172	100		
171	40.0	28.2	42.4
170	29.4	19.2	28.8#

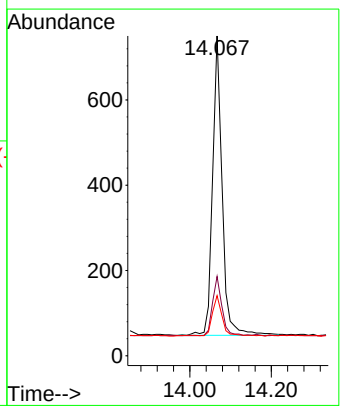


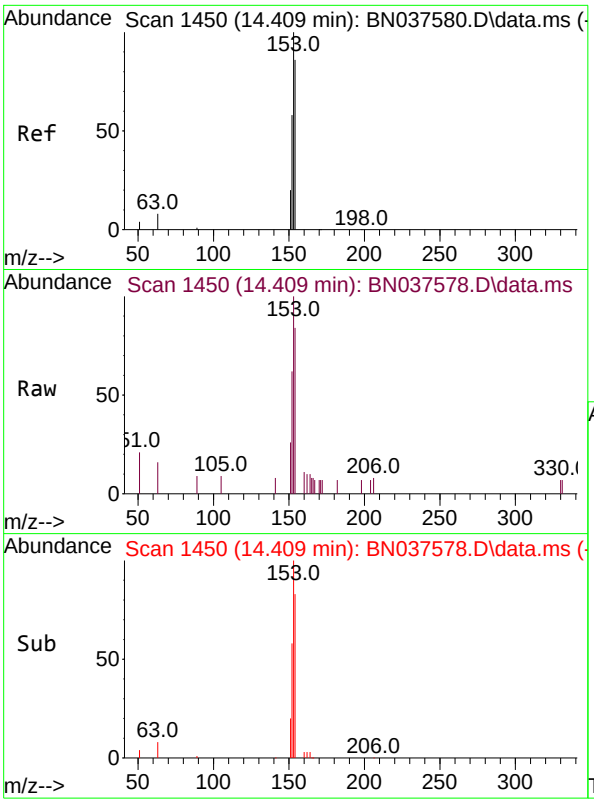


#16
Acenaphthylene
Concen: 0.097 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:152 Resp: 1142

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.6	10.7	16.1



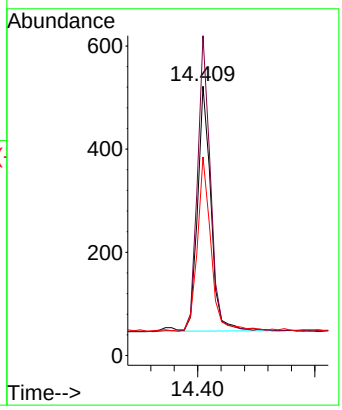


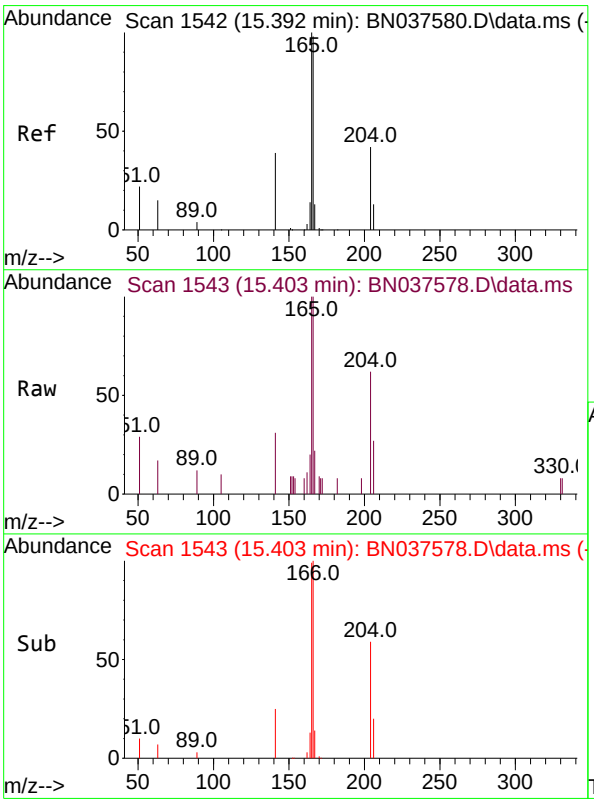
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 751

Ion	Ratio	Lower	Upper
154	100		
153	118.8	90.6	135.8
152	71.6	54.9	82.3

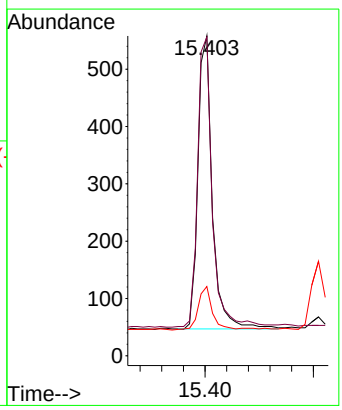


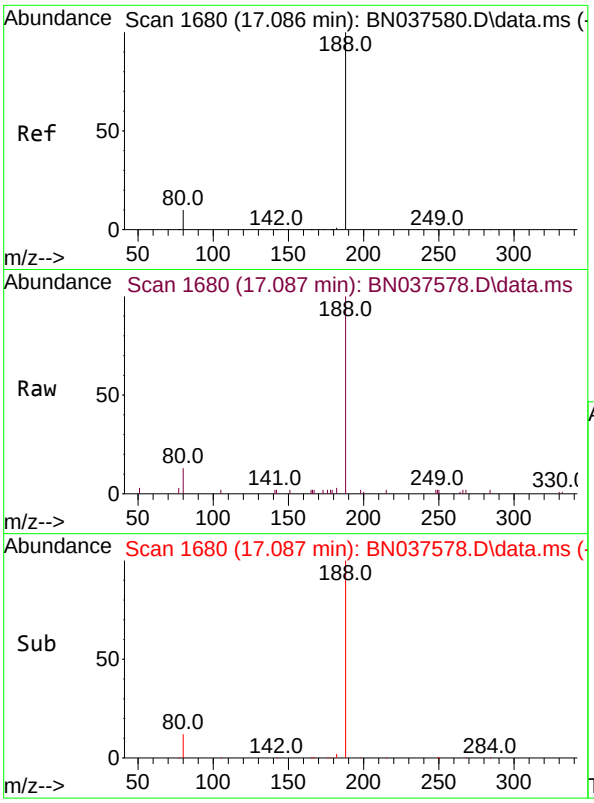


#18
Fluorene
Concen: 0.092 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.011 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:166 Resp: 962

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.9	118.3
167	14.2	10.7	16.1



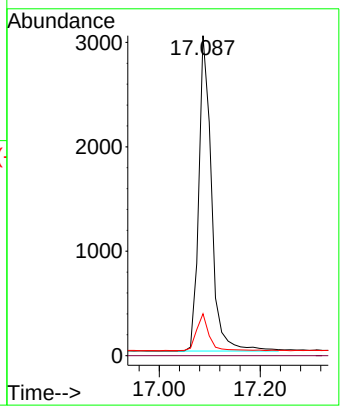


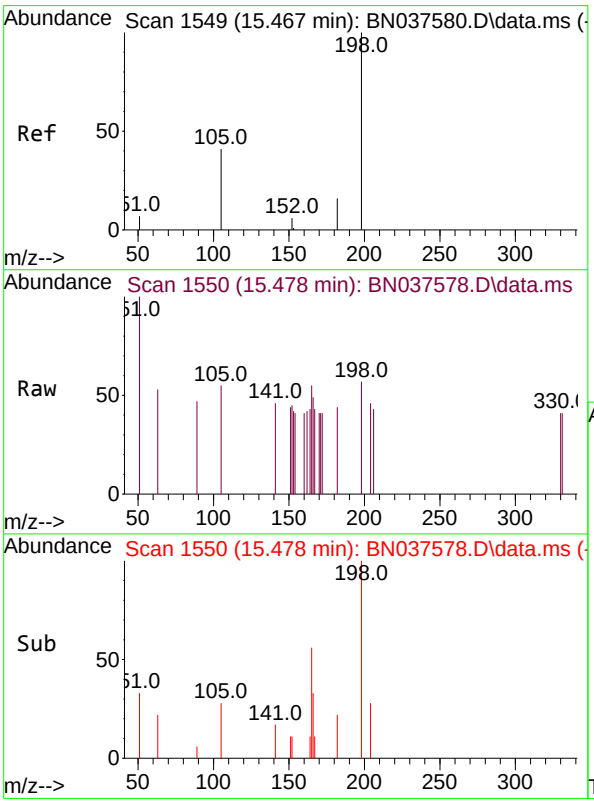
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 5296

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	9.1	13.7

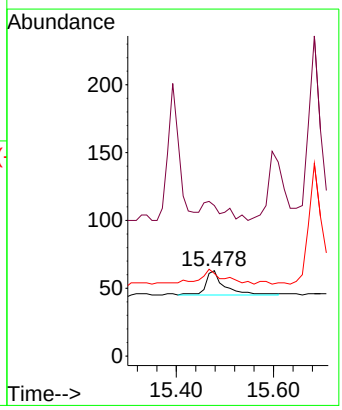


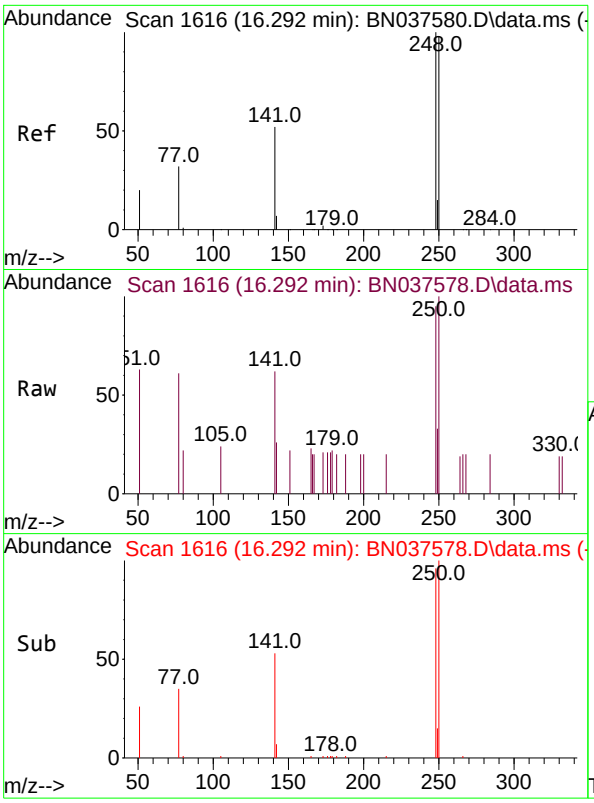


#20
4,6-Dinitro-2-methylphenol
Concen: 0.234 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.011 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:198 Resp: 51

Ion	Ratio	Lower	Upper
198	100		
51	176.2	81.0	121.6#
105	96.8	52.5	78.7#



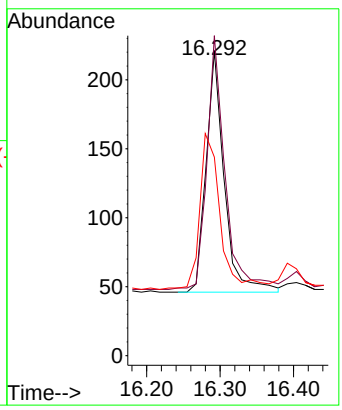


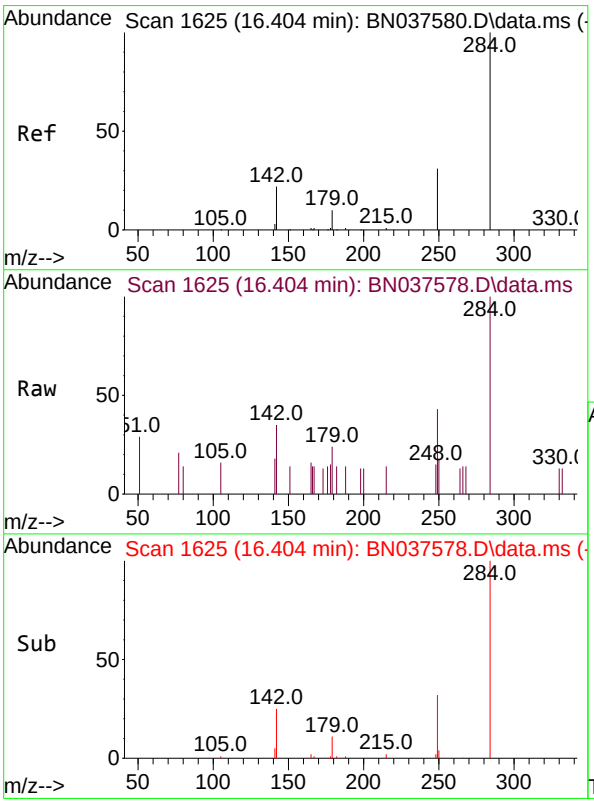
#21
4-Bromophenyl-phenylether
Concen: 0.090 ng
RT: 16.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 299

Ion	Ratio	Lower	Upper
248	100		
250	105.0	78.6	118.0
141	65.2	43.7	65.5

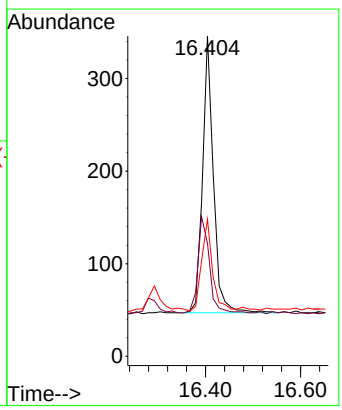


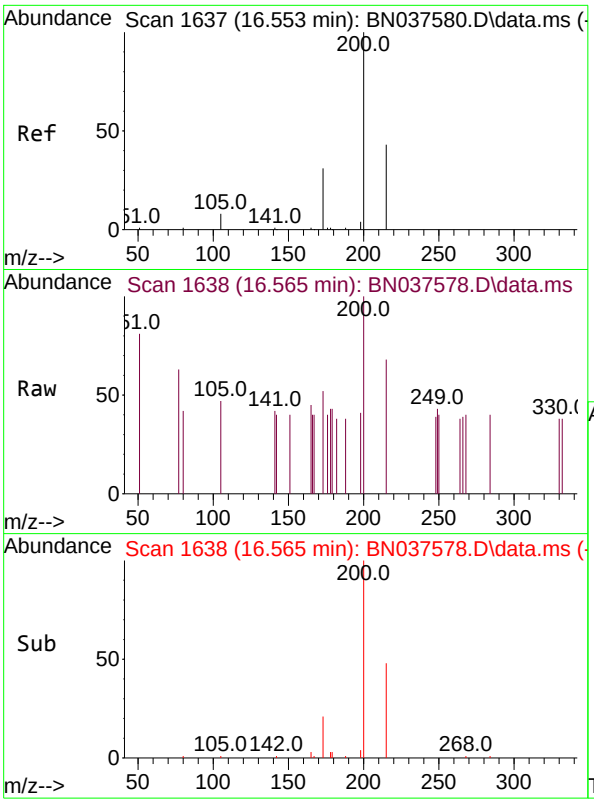


#22
Hexachlorobenzene
Concen: 0.101 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:284 Resp: 476

Ion	Ratio	Lower	Upper
284	100		
142	36.8	29.8	44.6
249	33.4	26.0	39.0



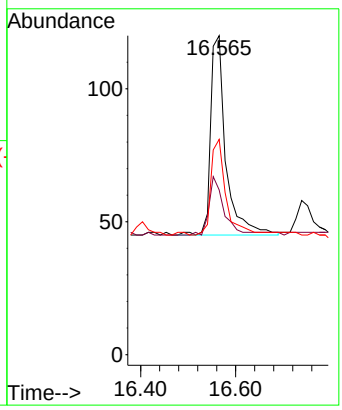


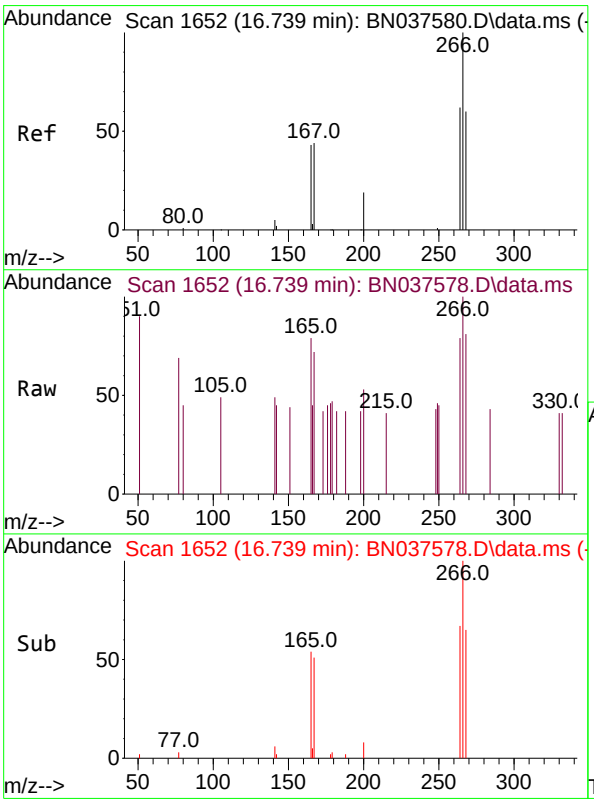
#23
Atrazine
Concen: 0.089 ng
RT: 16.565 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 168

Ion	Ratio	Lower	Upper
200	100		
173	51.7	31.0	46.4#
215	67.5	39.4	59.0#

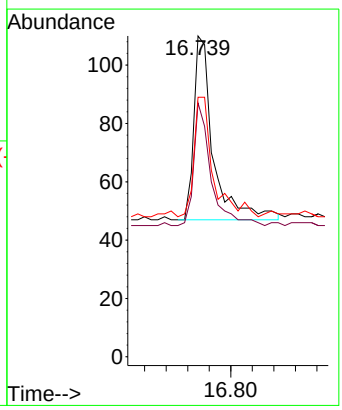


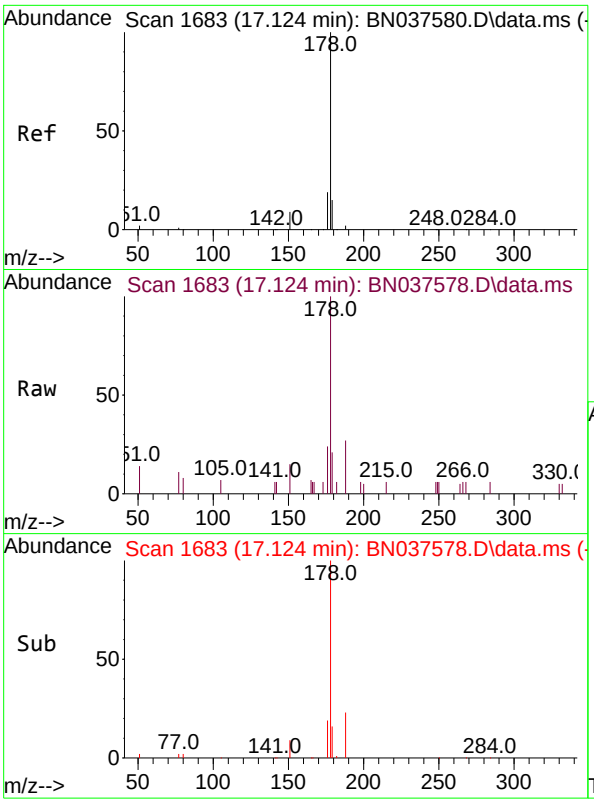


#24
Pentachlorophenol
Concen: 0.095 ng
RT: 16.739 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:266 Resp: 158

Ion	Ratio	Lower	Upper
266	100		
264	58.9	49.6	74.4
268	63.9	49.2	73.8



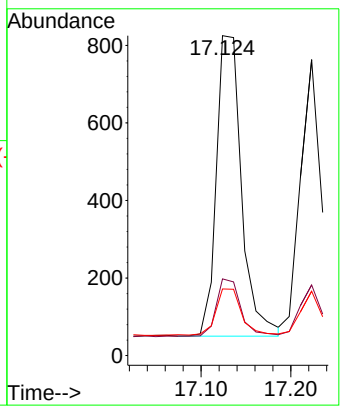


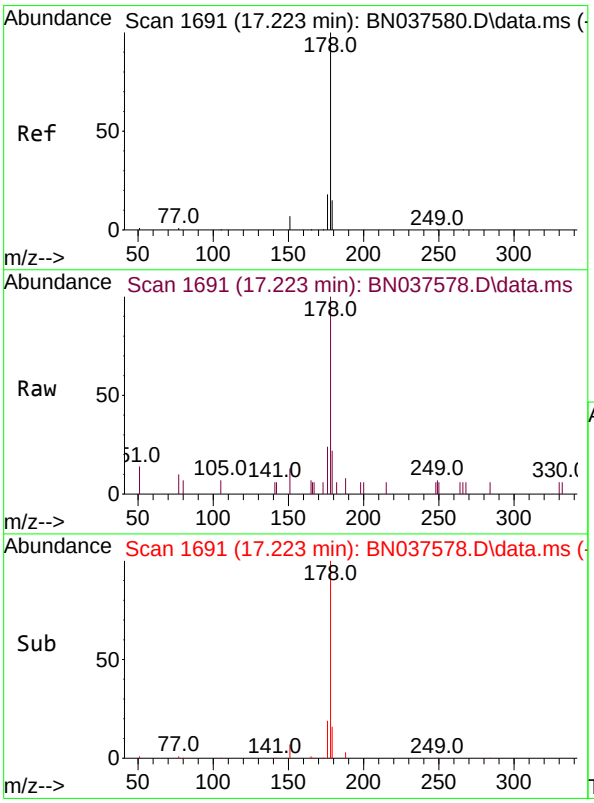
#25
Phenanthrene
Concen: 0.094 ng
RT: 17.124 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 1517

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	16.0	12.3	18.5

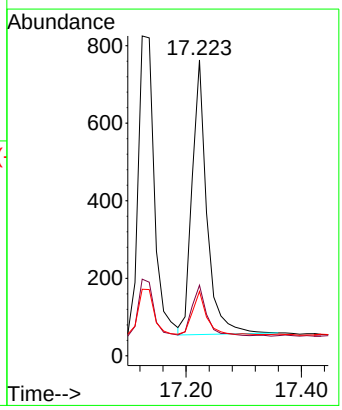


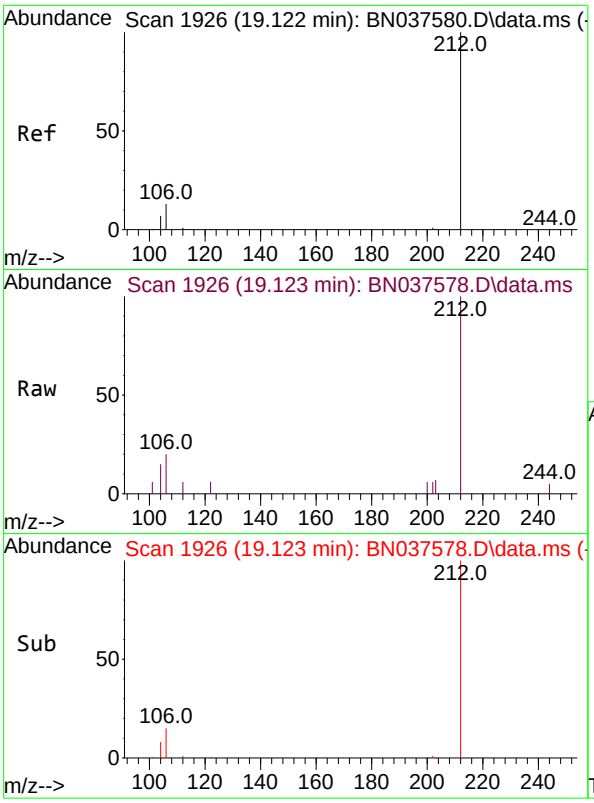


#26
Anthracene
Concen: 0.088 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:178 Resp: 1258

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.5	12.3	18.5





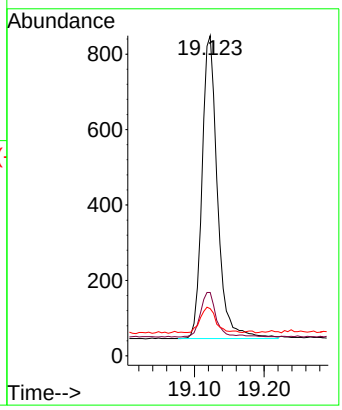
#27
Fluoranthene-d10
Concen: 0.089 ng
RT: 19.123 min Scan# 1

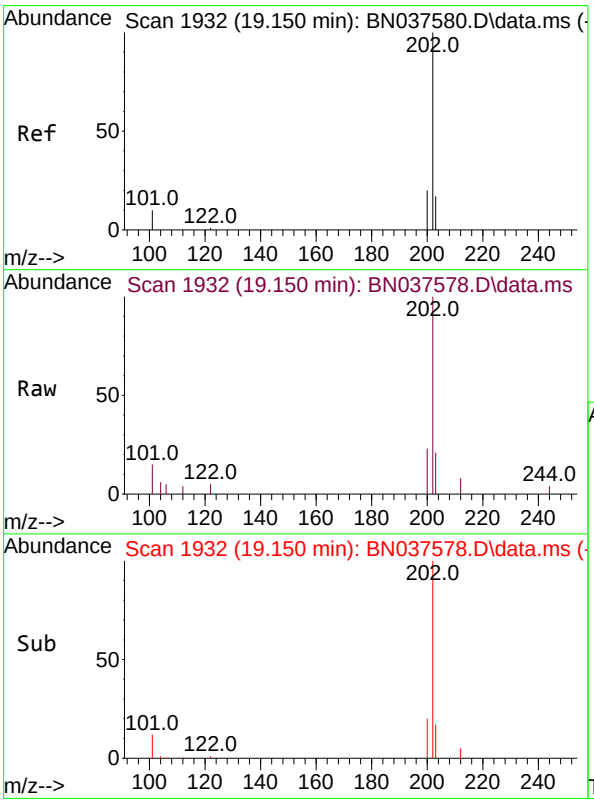
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:212 Resp: 1234

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.6	6.6	9.8

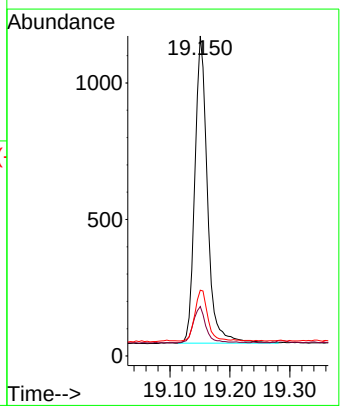


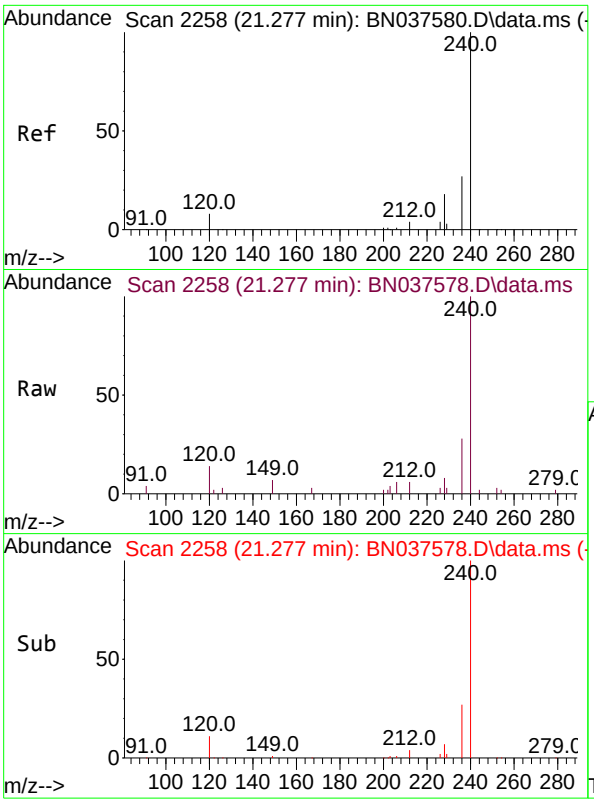


#28
Fluoranthene
Concen: 0.089 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:202 Resp: 1643

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.0	13.6
203	16.7	13.8	20.8



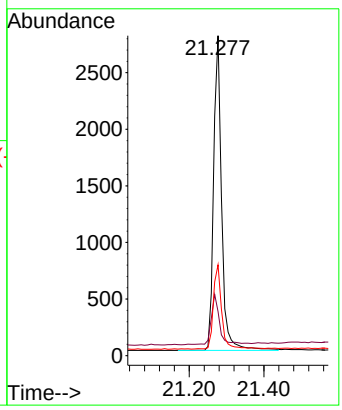


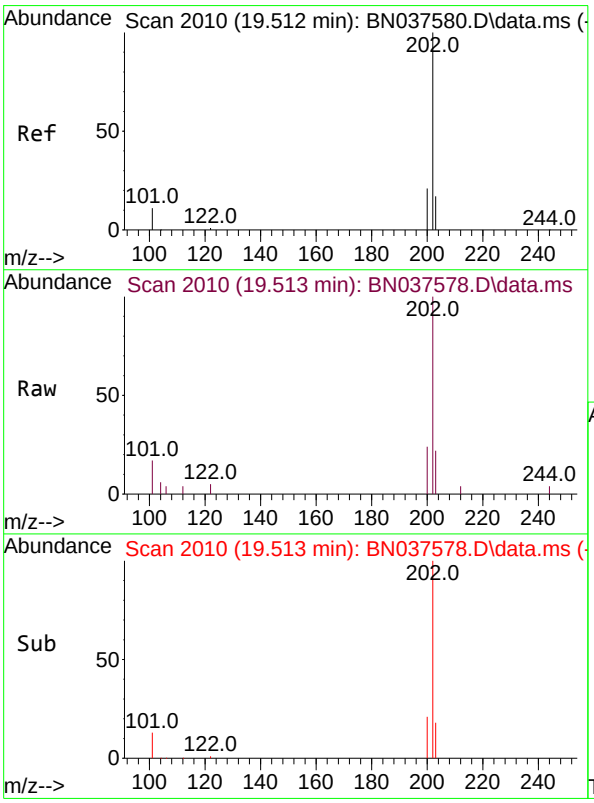
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 4146

Ion	Ratio	Lower	Upper
240	100		
120	13.8	8.9	13.3#
236	28.4	22.6	33.8

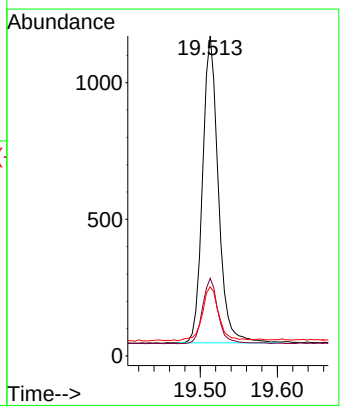


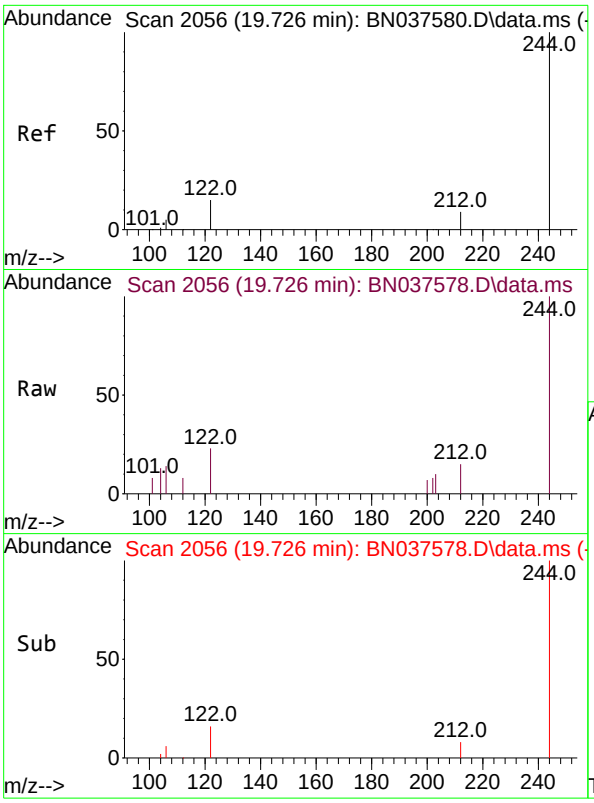


#30
Pyrene
Concen: 0.103 ng
RT: 19.513 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:202 Resp: 1595

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	18.0	14.3	21.5



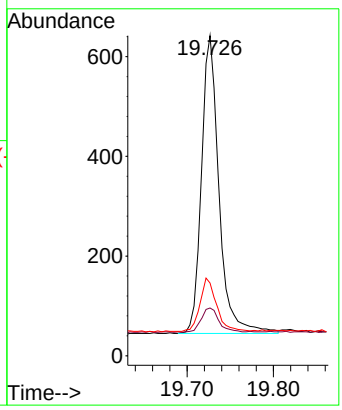


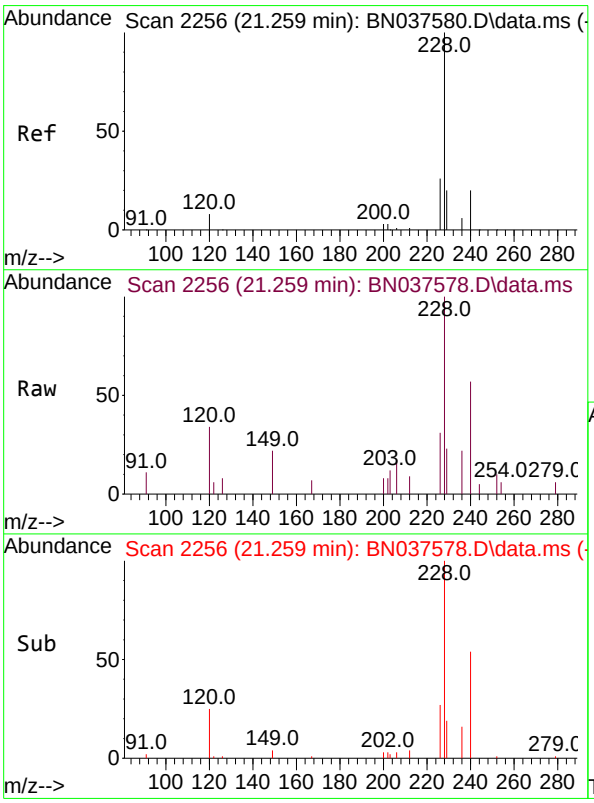
#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.726 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 844

Ion	Ratio	Lower	Upper
244	100		
212	15.0	8.2	12.2#
122	22.7	13.2	19.8#

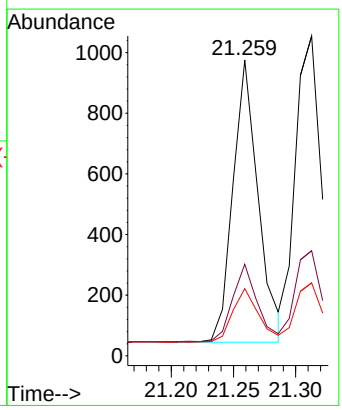


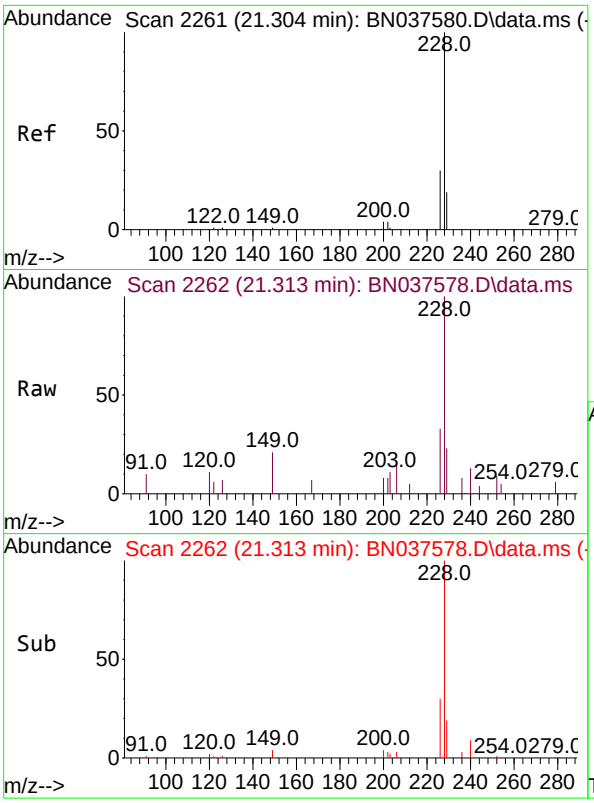


#32
Benzo(a)anthracene
Concen: 0.095 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:228 Resp: 1312

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.5	32.3
229	22.7	16.5	24.7



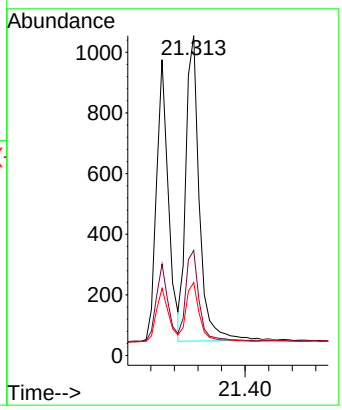


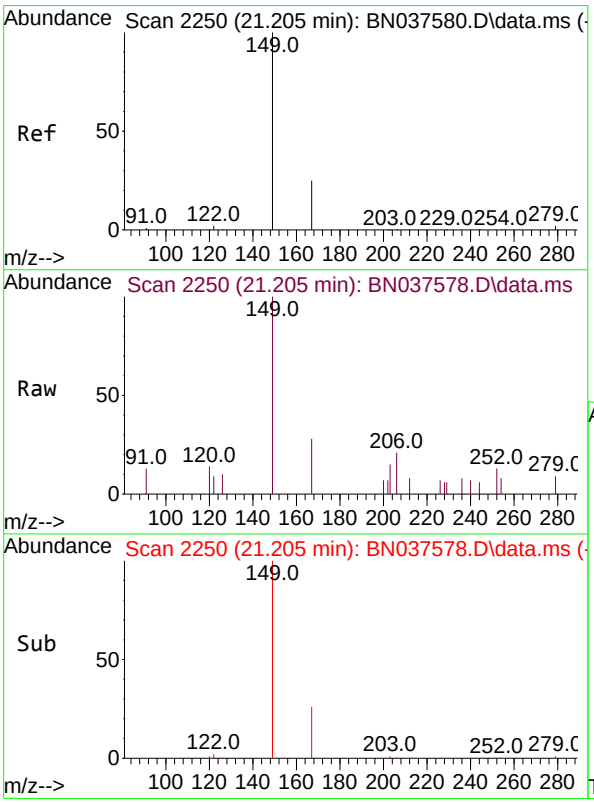
#33
Chrysene
Concen: 0.104 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 1603

Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.9	37.3
229	22.8	15.8	23.8

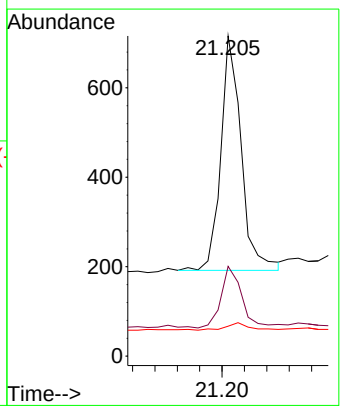


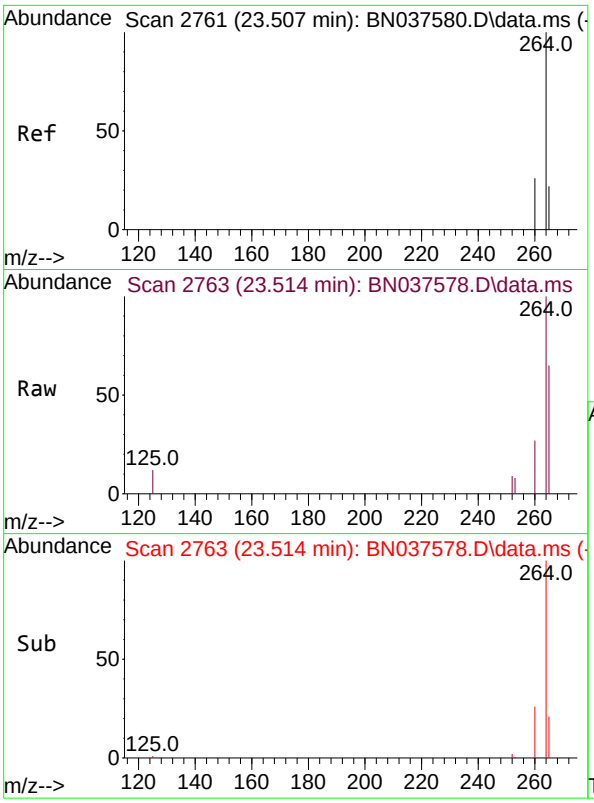


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.116 ng
RT: 21.205 min Scan# 2250
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:149 Resp: 663

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.5	30.7
279	3.0	2.6	4.0



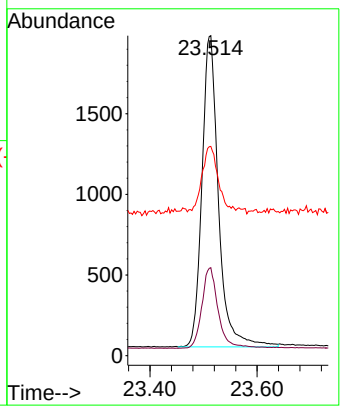


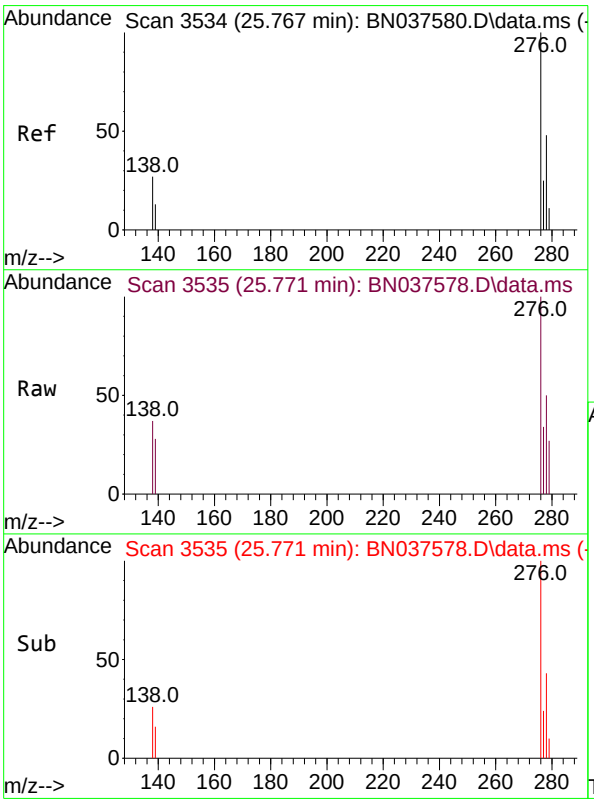
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.514 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 4132

Ion	Ratio	Lower	Upper
264	100		
260	27.5	21.6	32.4
265	65.4	48.2	72.4

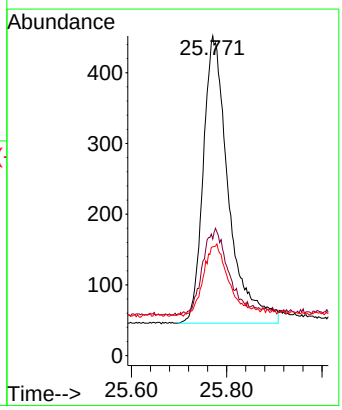


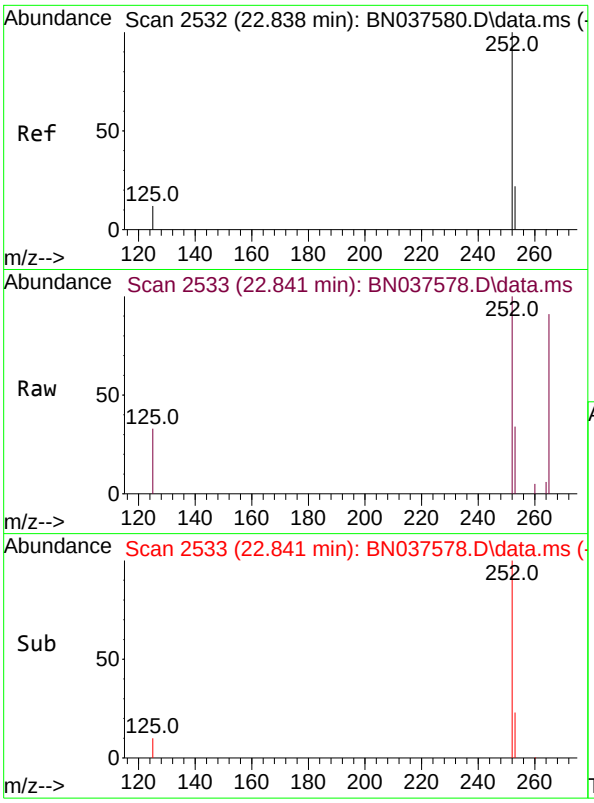


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 25.771 min Scan# 3535
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:276 Resp: 1494

Ion	Ratio	Lower	Upper
276	100		
138	29.2	23.3	34.9
277	24.9	19.5	29.3



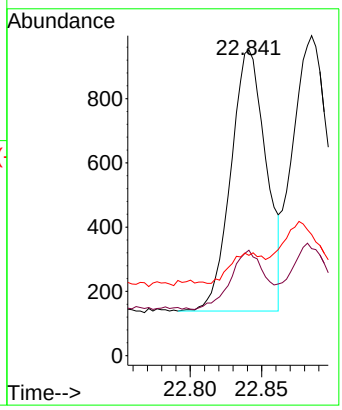


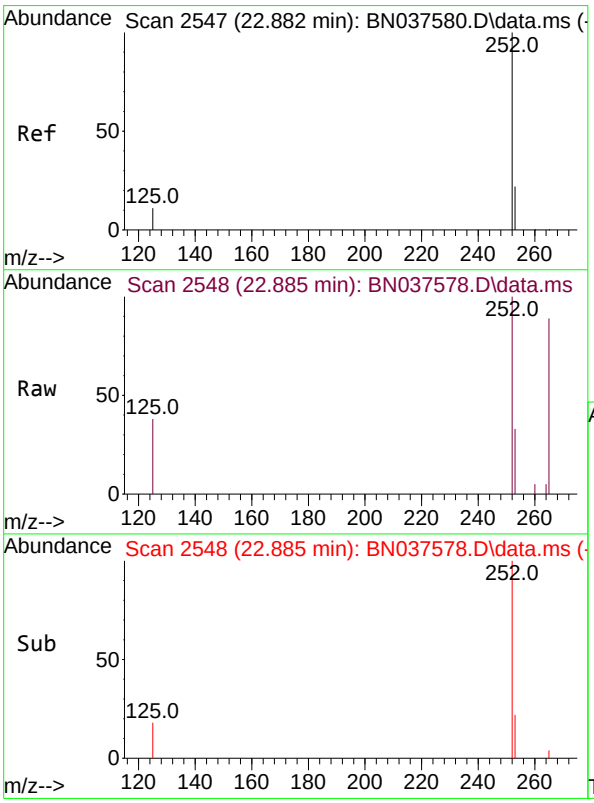
#37
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.841 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 1396

Ion	Ratio	Lower	Upper
252	100		
253	34.5	20.0	30.0#
125	32.8	13.8	20.6#

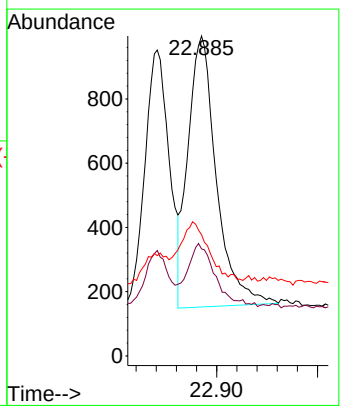


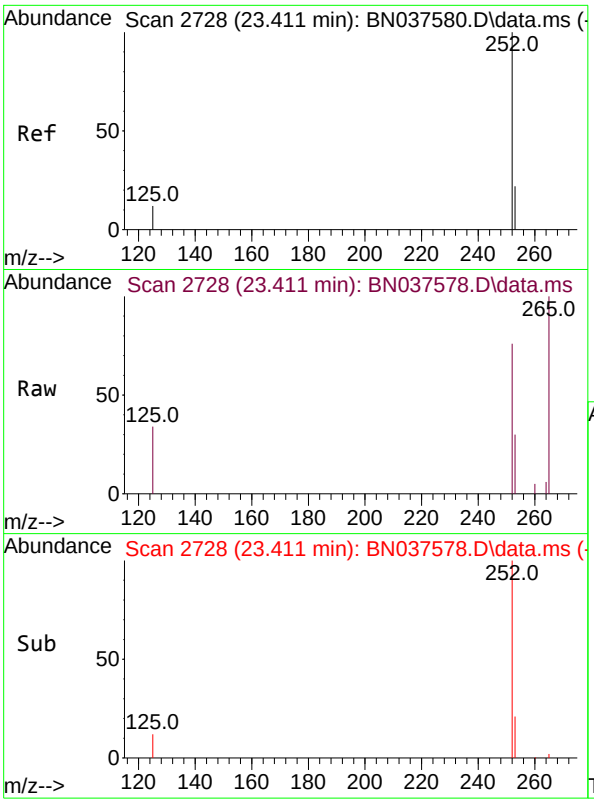


#38
Benzo(k)fluoranthene
Concen: 0.093 ng
RT: 22.885 min Scan# 2548
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:252 Resp: 1650

Ion	Ratio	Lower	Upper
252	100		
253	33.4	19.9	29.9#
125	37.9	15.0	22.6#



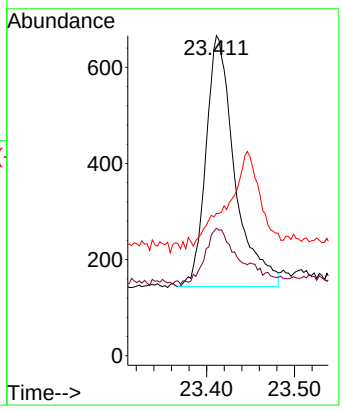


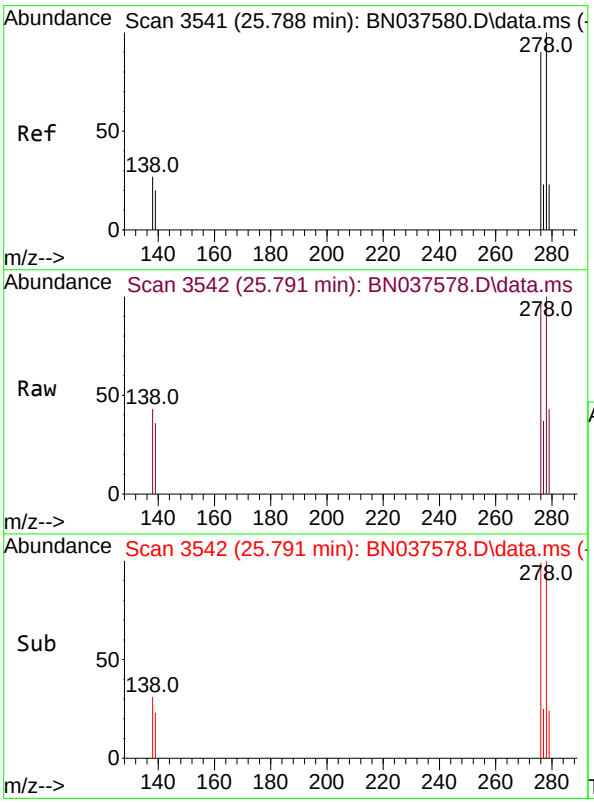
#39
Benzo(a)pyrene
Concen: 0.091 ng
RT: 23.411 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 1184

Ion	Ratio	Lower	Upper
252	100		
253	39.8	21.6	32.4#
125	44.4	16.8	25.2#

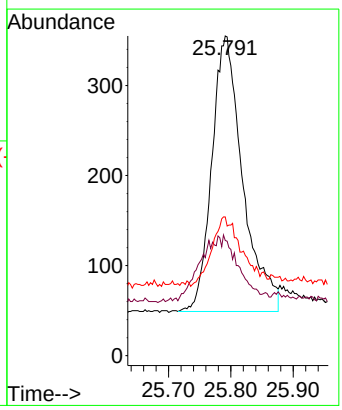


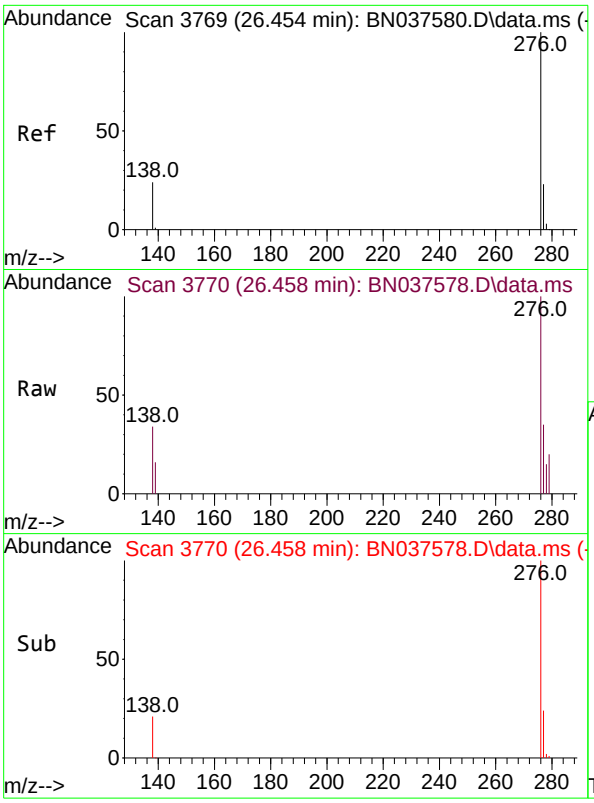


#40
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 25.791 min Scan# 3542
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:278 Resp: 1057

Ion	Ratio	Lower	Upper
278	100		
139	36.1	18.3	27.5#
279	43.4	22.5	33.7#





#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 26.458 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 1247

Ion	Ratio	Lower	Upper
276	100		
277	35.1	21.0	31.4#
138	34.3	21.7	32.5#