Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038152.D
Acq On : 07 Nov 2025 13:44
Operator : RC/JU
Sample : PB170427BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Quant Time: Nov 07 14:08:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9551	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	28713	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	15548	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28280	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	19896	0.400	ng	0.00
35) Perylene-d12	23.698	264	16901	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.355	112	8583	0.381	ng	0.00
5) Phenol-d6	6.952	99	9985	0.364	ng	0.01
8) Nitrobenzene-d5	8.939	82	8637	0.373	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	14534	0.354	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1681	0.262	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	24663	0.396	ng	0.01
27) Fluoranthene-d10	19.225	212	23866	0.335	ng	0.00
31) Terphenyl-d14	19.829	244	18959	0.439	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	3113	0.315	ng	# 48
3) n-Nitrosodimethylamine	3.564	42	4808	0.379	ng	# 91
6) bis(2-Chloroethyl)ether	7.204	93	9905	0.368	ng	98
9) Naphthalene	10.637	128	27757	0.351	ng	99
10) Hexachlorobutadiene	10.936	225	4945	0.371	ng	# 98
12) 2-Methylnaphthalene	12.258	142	16694	0.317	ng	98
16) Acenaphthylene	14.163	152	27068	0.384	ng	99
17) Acenaphthene	14.505	154	16914	0.343	ng	99
18) Fluorene	15.499	166	22013	0.341	ng	99
20) 4,6-Dinitro-2-methylph...	15.572	198	1071	0.382	ng	# 76
21) 4-Bromophenyl-phenylether	16.391	248	6817	0.368	ng	# 80
22) Hexachlorobenzene	16.503	284	8050	0.382	ng	99
23) Atrazine	16.652	200	4722	0.348	ng	96
24) Pentachlorophenol	16.851	266	4254	0.468	ng	98
25) Phenanthrene	17.235	178	32744	0.365	ng	99
26) Anthracene	17.322	178	29076	0.370	ng	99
28) Fluoranthene	19.257	202	33640	0.335	ng	99
30) Pyrene	19.619	202	33342	0.371	ng	100
32) Benzo(a)anthracene	21.366	228	26226	0.369	ng	99
33) Chrysene	21.420	228	29053	0.377	ng	99
34) Bis(2-ethylhexyl)phtha...	21.304	149	12508	0.335	ng	99
36) Indeno(1,2,3-cd)pyrene	26.048	276	27599	0.397	ng	98
37) Benzo(b)fluoranthene	22.996	252	25492	0.353	ng	100
38) Benzo(k)fluoranthene	23.040	252	27198	0.374	ng	99
39) Benzo(a)pyrene	23.589	252	22526	0.389	ng	98
40) Dibenzo(a,h)anthracene	26.069	278	21440	0.401	ng	97
41) Benzo(g,h,i)perylene	26.770	276	23733	0.389	ng	99

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

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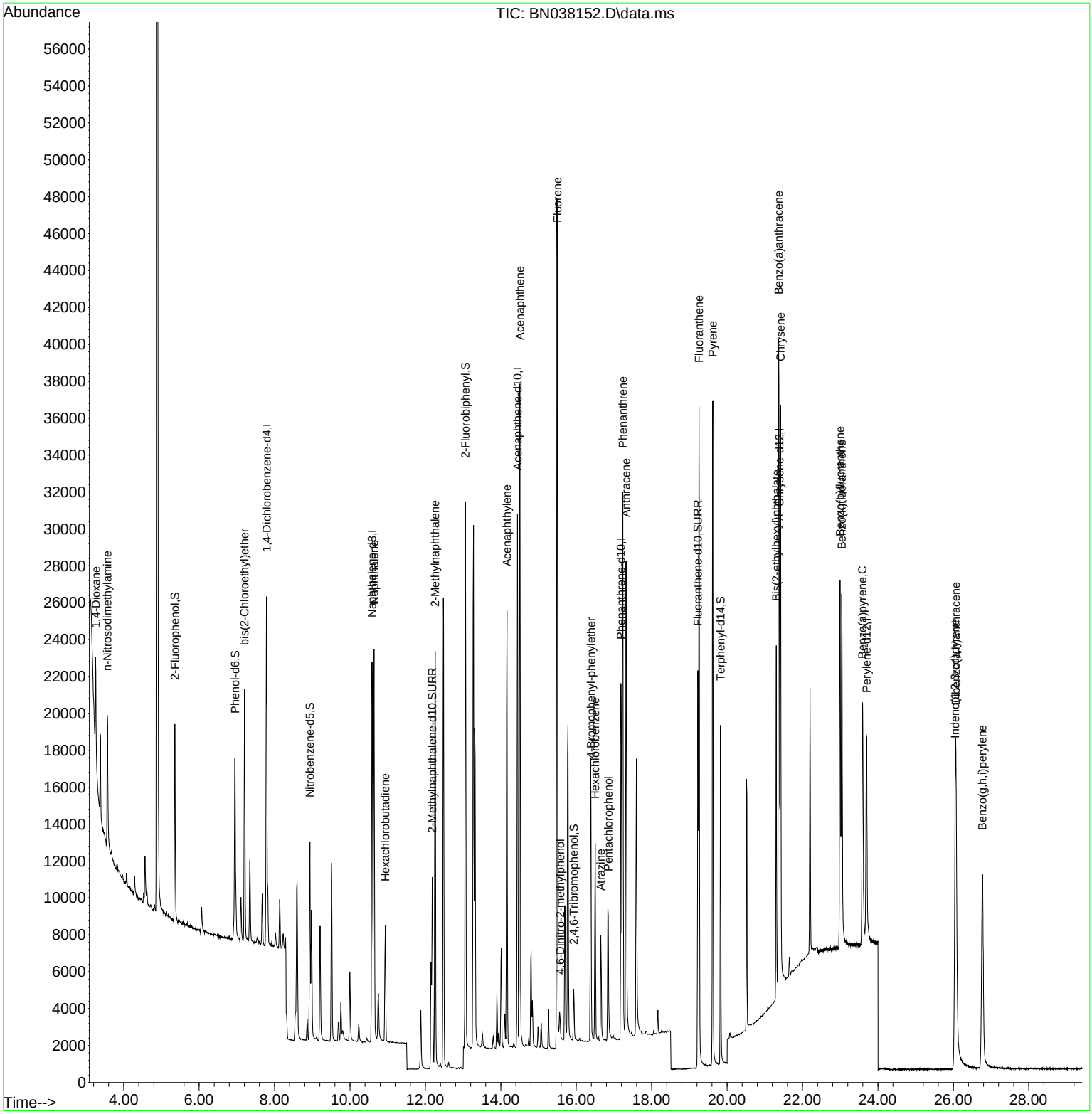
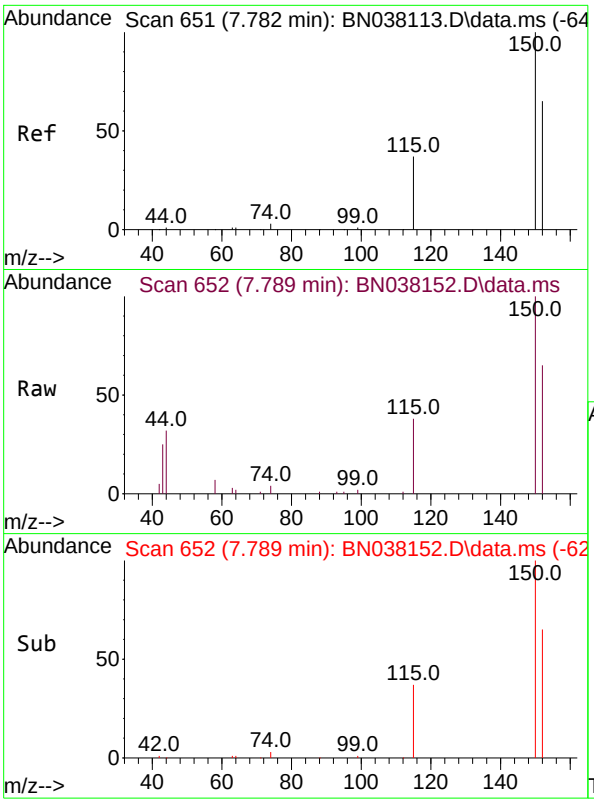


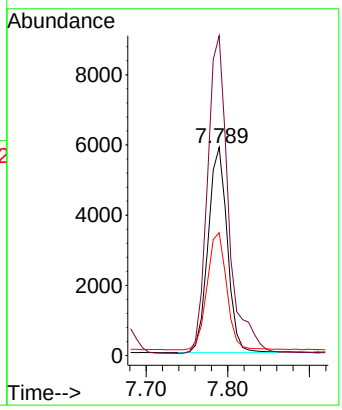


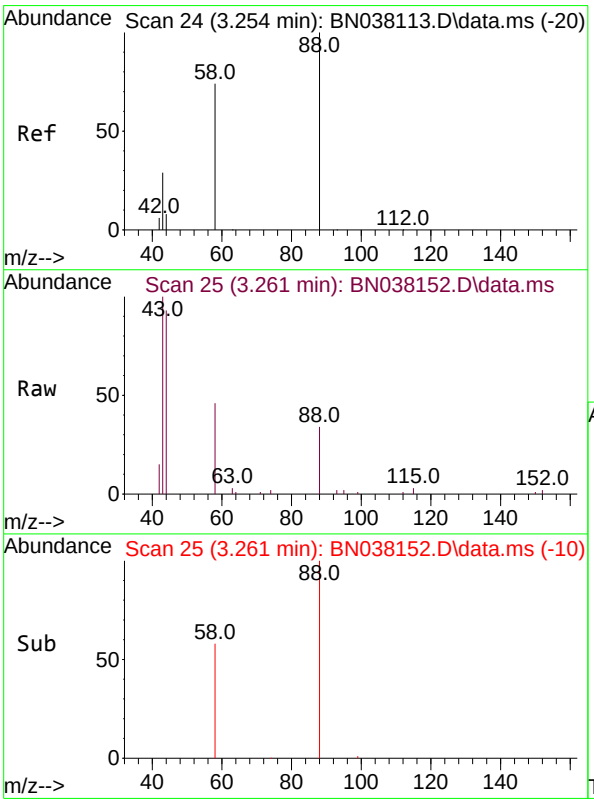
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.014 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:152 Resp: 9551

Ion	Ratio	Lower	Upper
152	100		
150	153.7	122.3	183.5
115	59.1	47.4	71.0

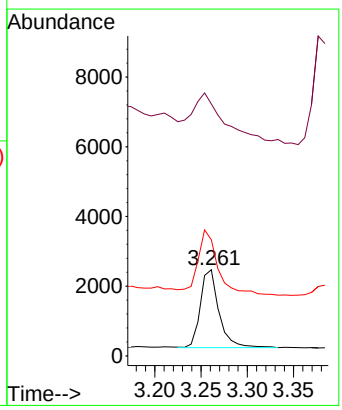


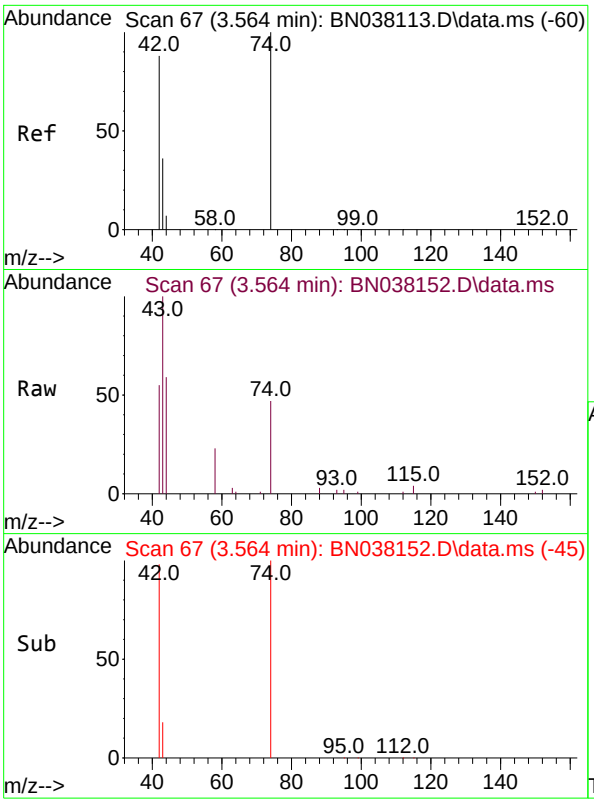


#2
1,4-Dioxane
Concen: 0.315 ng
RT: 3.261 min Scan# 25
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion: 88 Resp: 3113

Ion	Ratio	Lower	Upper
88	100		
43	103.4	24.3	36.5#
58	92.3	60.4	90.6#



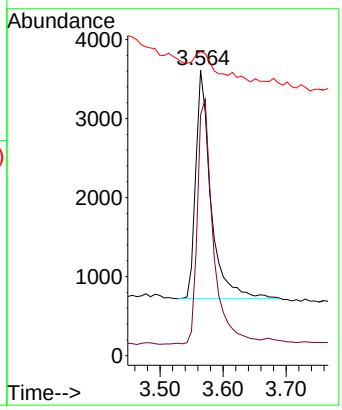


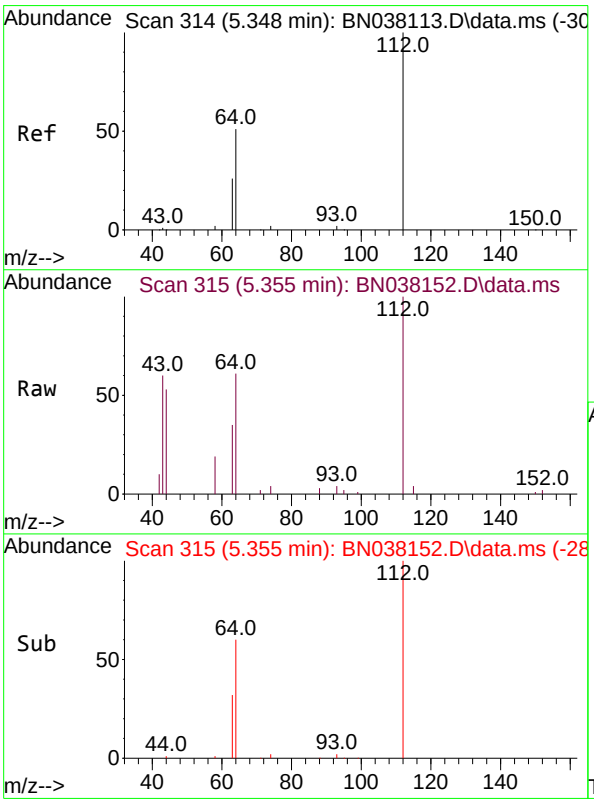
#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion: 42 Resp: 4808

Ion	Ratio	Lower	Upper
42	100		
74	112.5	96.8	145.2
44	20.7	5.3	7.9#

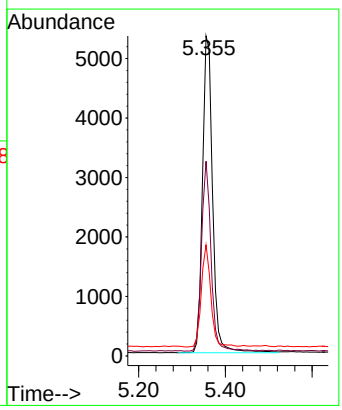


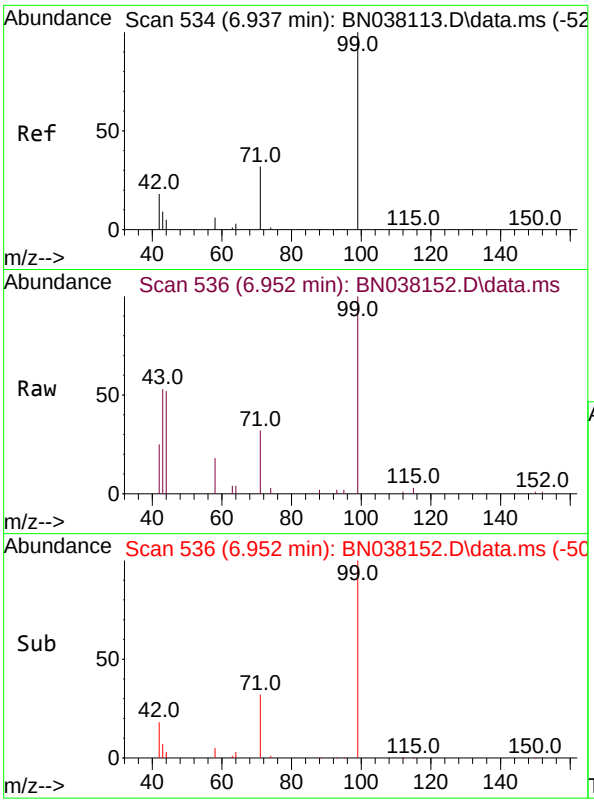


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.355 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:112 Resp: 8583

Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.0
63	30.2	23.2	34.8



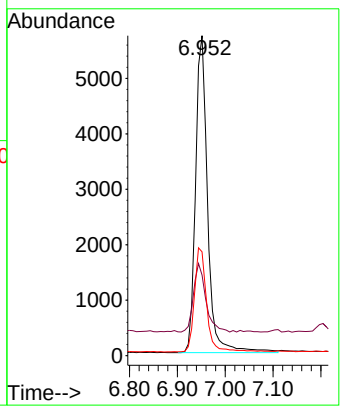


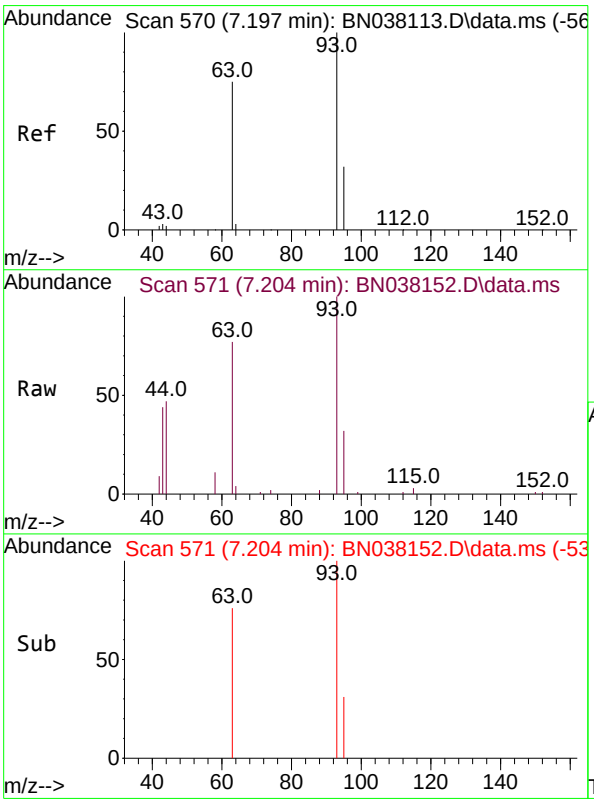
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.952 min Scan# 5
Delta R.T. 0.014 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion: 99 Resp: 9985

Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.6	24.8
71	33.5	25.4	38.2

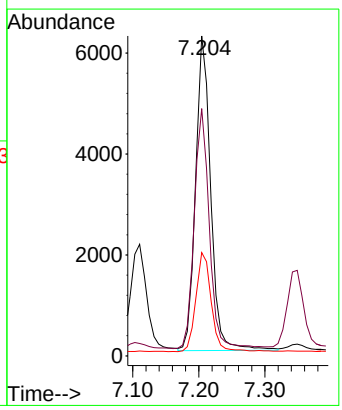


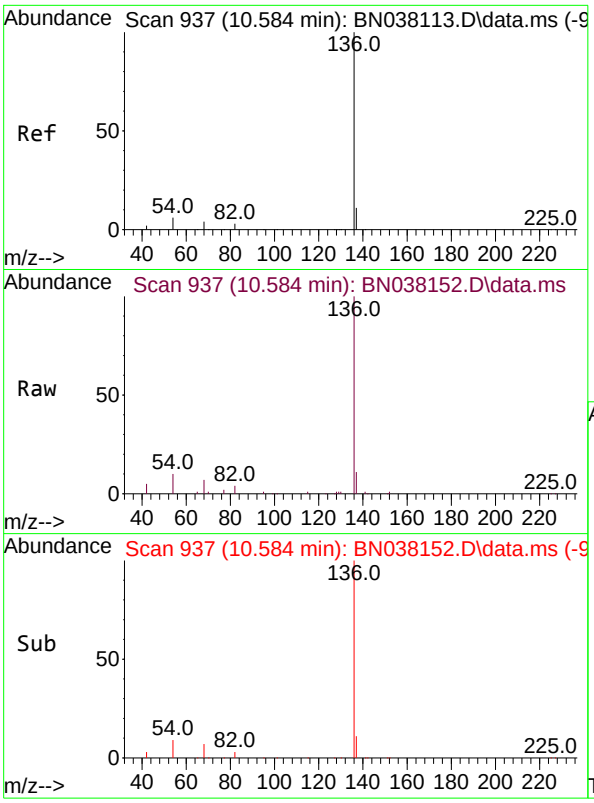


#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion: 93 Resp: 9905

Ion	Ratio	Lower	Upper
93	100		
63	76.0	59.3	88.9
95	31.9	25.2	37.8



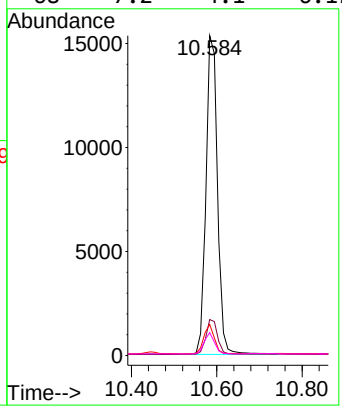


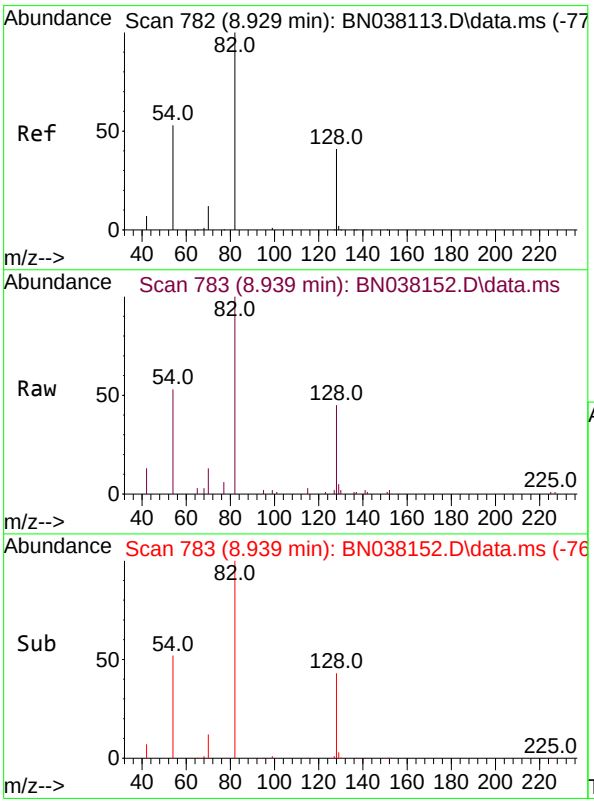
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:136 Resp: 28713

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.7	5.2	7.8#
68	7.2	4.1	6.1#

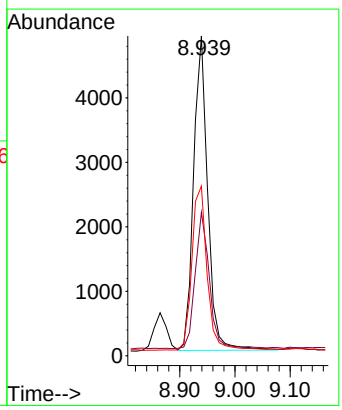


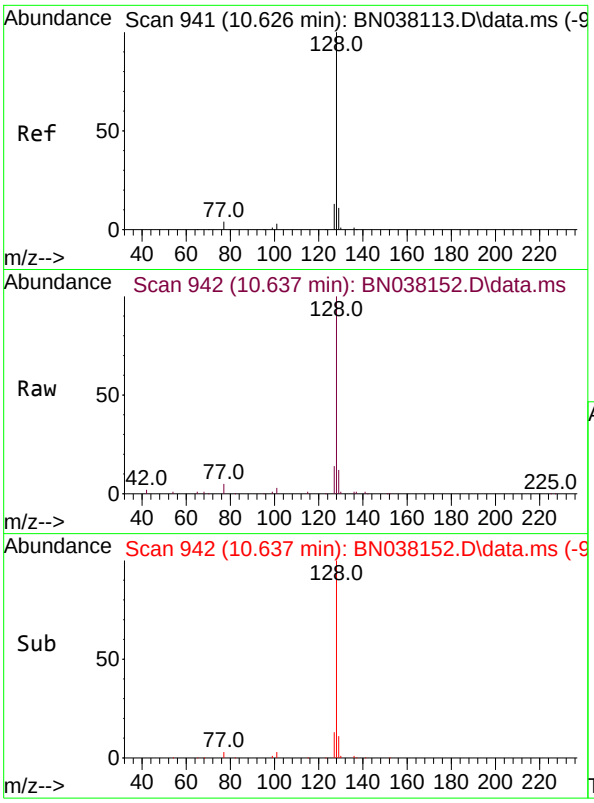


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion: 82 Resp: 8637

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.1	51.1
54	53.1	43.5	65.3



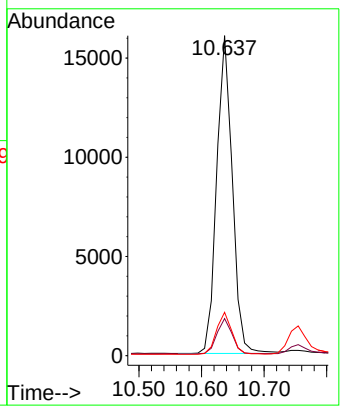


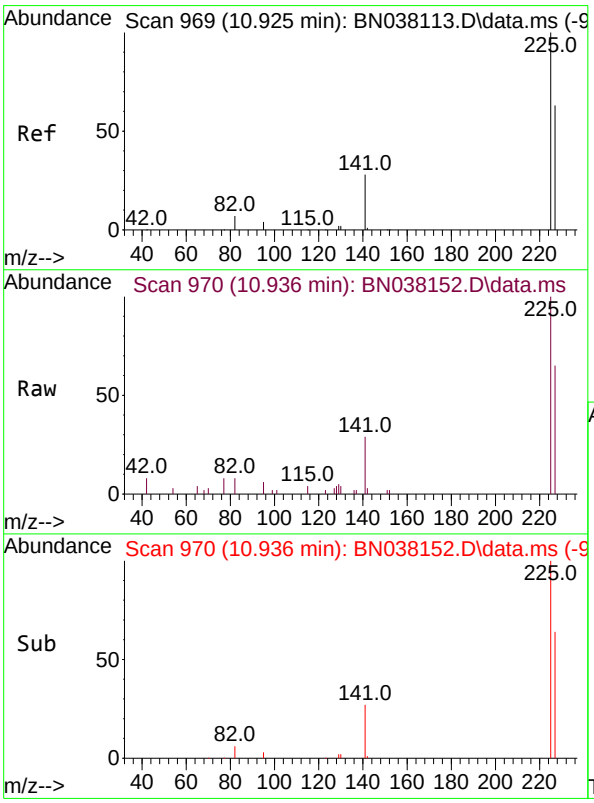
#9
Naphthalene
Concen: 0.351 ng
RT: 10.637 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:128 Resp: 27757

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.5	10.5	15.7

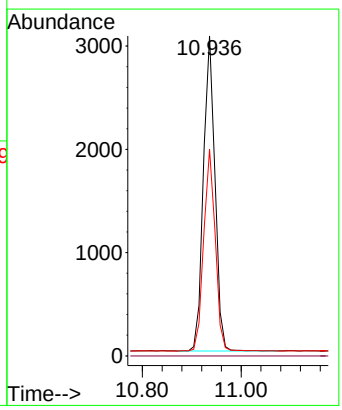


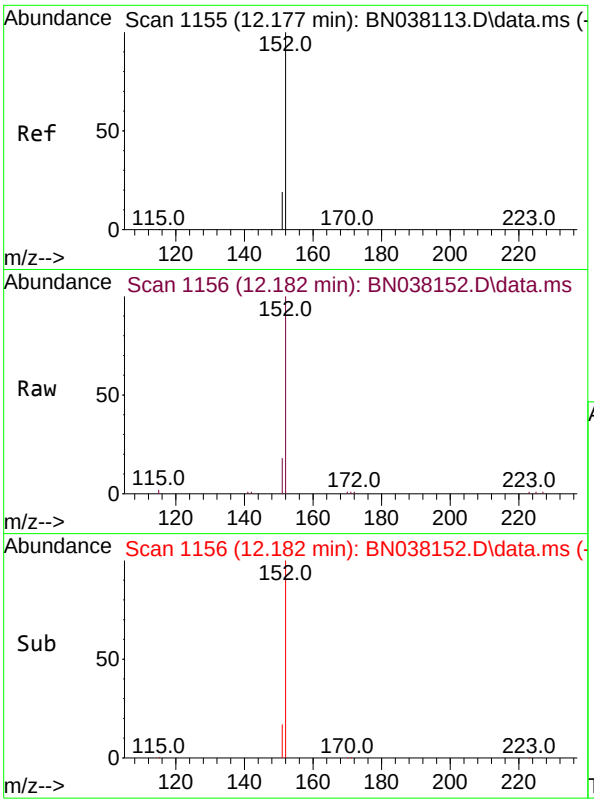


#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 10.936 min Scan# 970
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:225 Resp: 4945

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.3	75.5



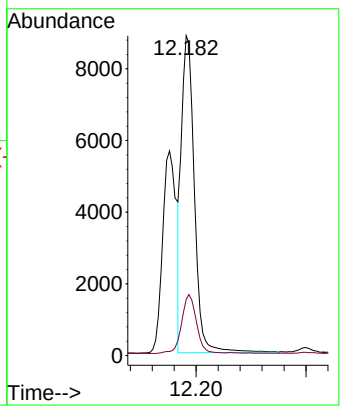


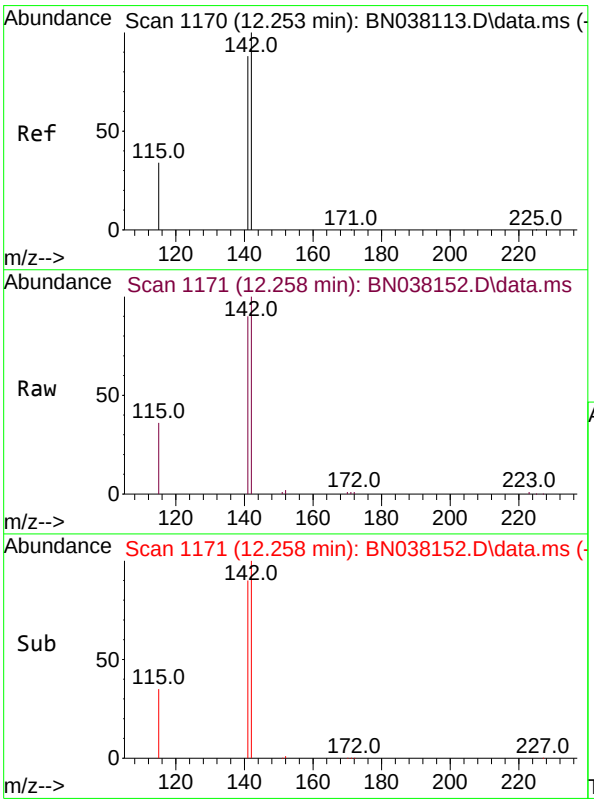
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.182 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:152 Resp: 14534

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2

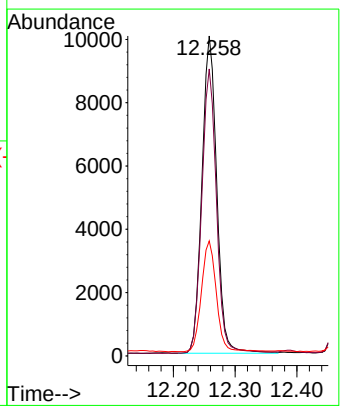


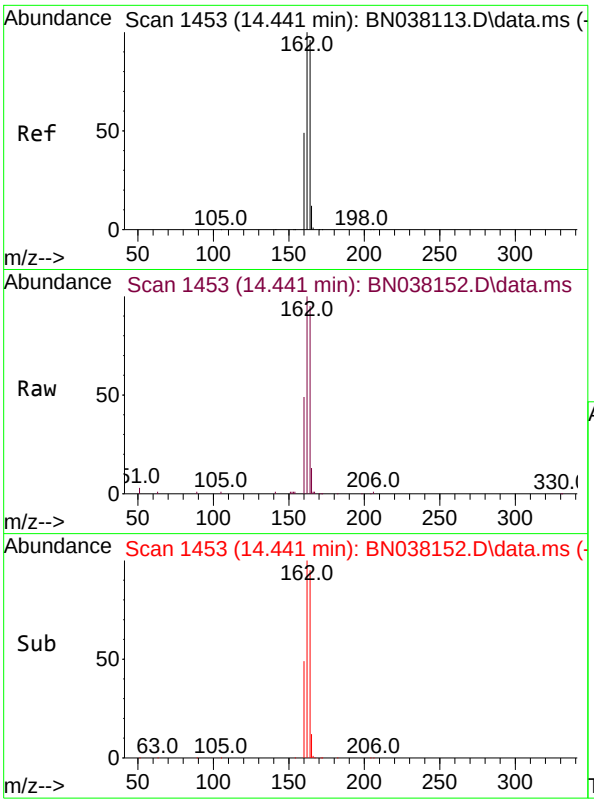


#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:142 Resp: 16694

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	35.9	27.8	41.6



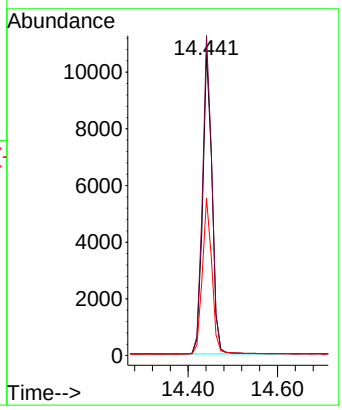


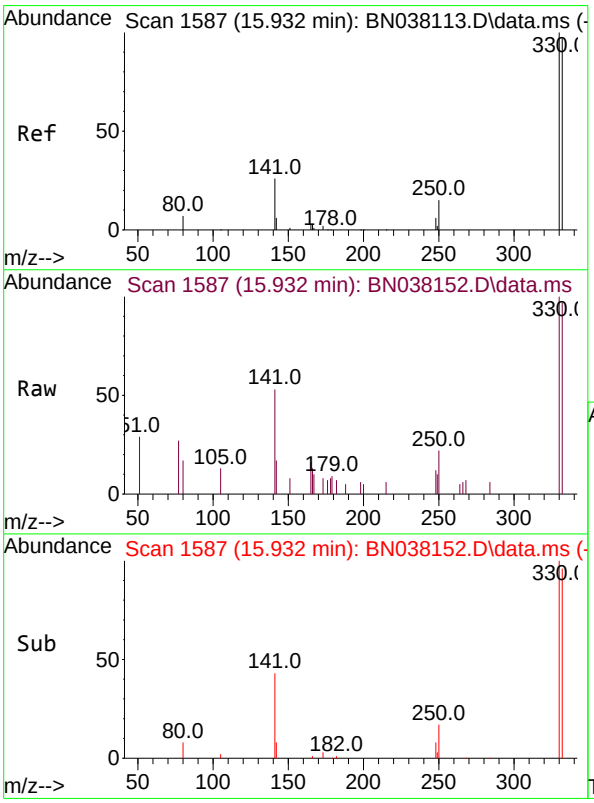
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:164 Resp: 15548

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.0	124.4
160	51.9	40.7	61.1

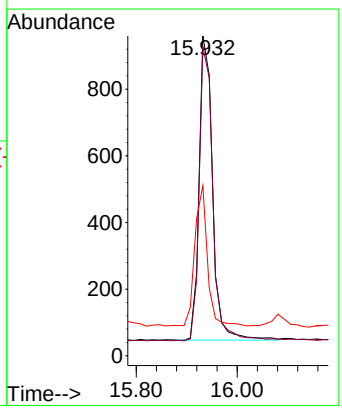


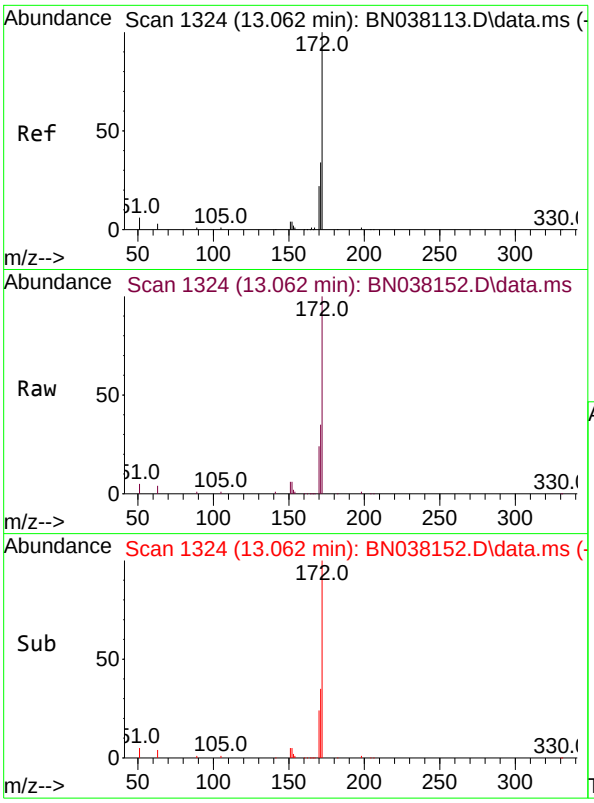


#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:330 Resp: 1681

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.6	114.8
141	42.7	34.1	51.1



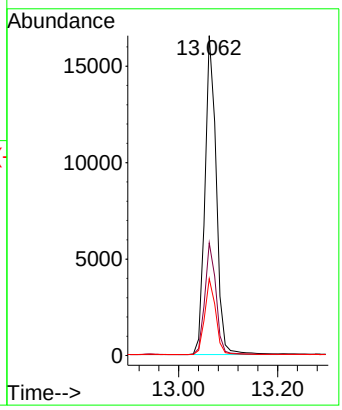


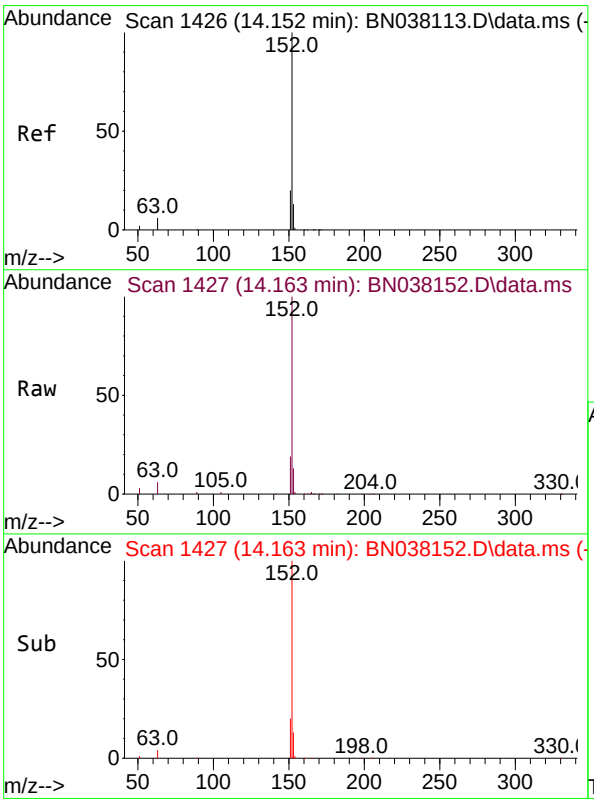
#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.062 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:172 Resp: 24663

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	24.0	18.1	27.1

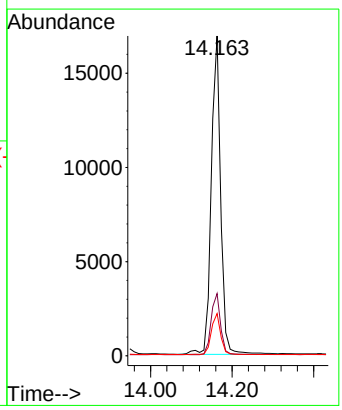


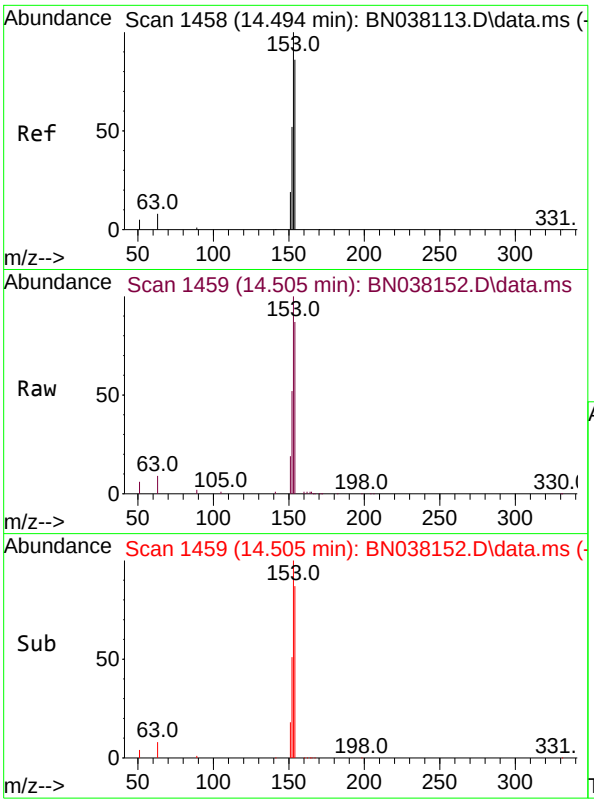


#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:152 Resp: 27068

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.8	10.2	15.2



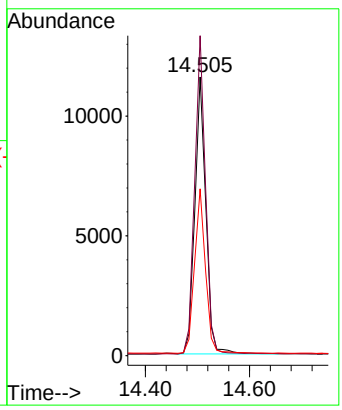


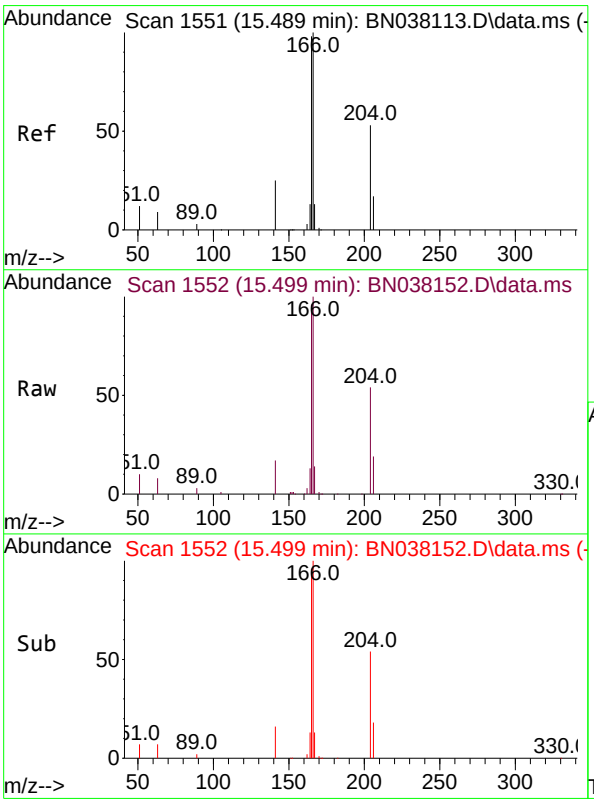
#17
Acenaphthene
Concen: 0.343 ng
RT: 14.505 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:154 Resp: 16914

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.0	135.0
152	59.4	47.3	70.9

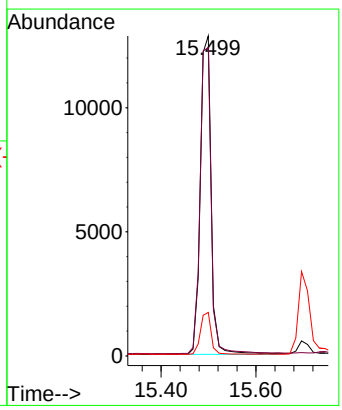


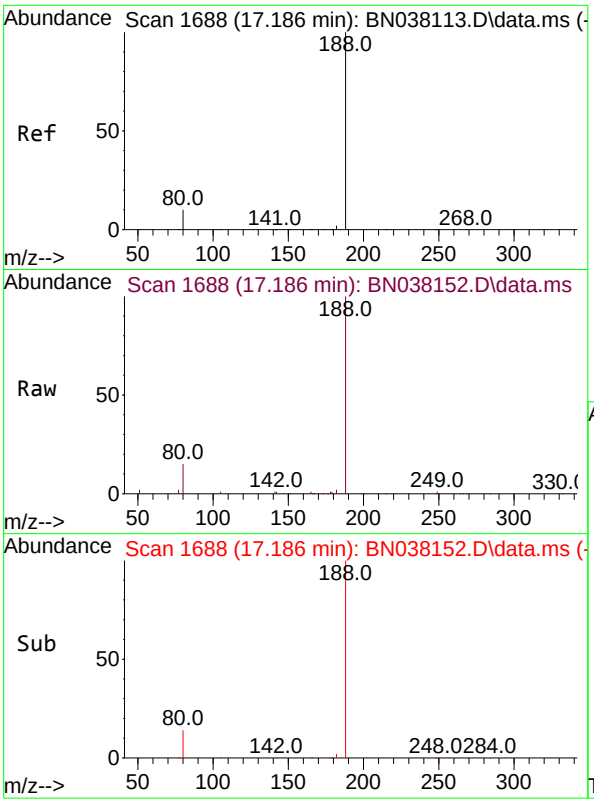


#18
Fluorene
Concen: 0.341 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:166 Resp: 22013

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.0	118.4
167	13.1	10.7	16.1



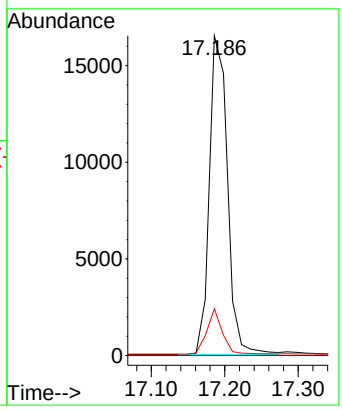


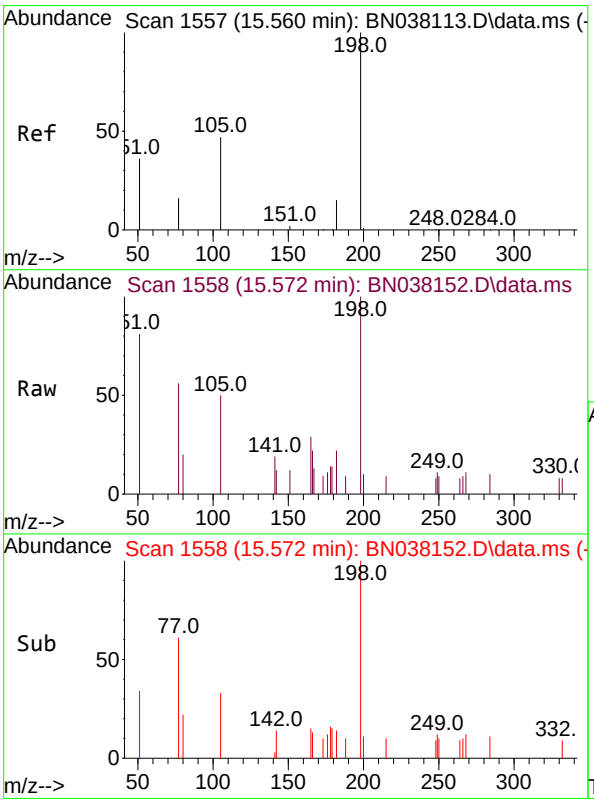
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:188 Resp: 28280

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.6	8.6	13.0#

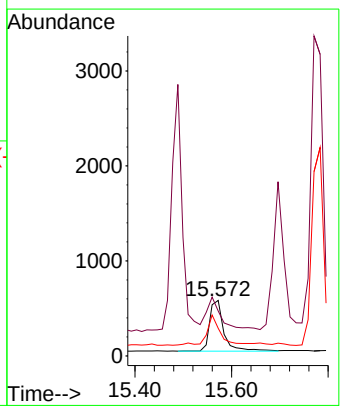


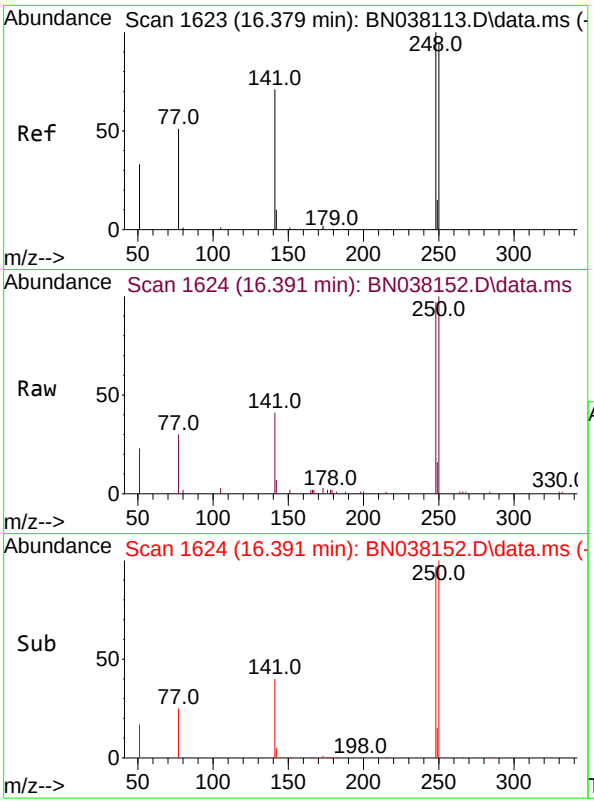


#20
4,6-Dinitro-2-methylphenol
Concen: 0.382 ng
RT: 15.572 min Scan# 1558
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:198 Resp: 1071

Ion	Ratio	Lower	Upper
198	100		
51	81.0	88.9	133.3#
105	49.7	49.2	73.8



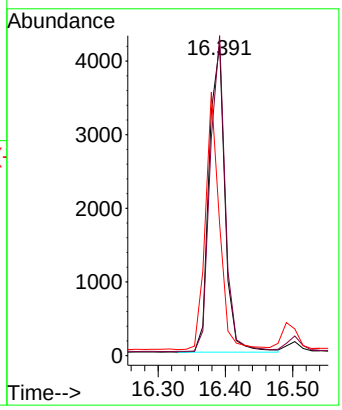


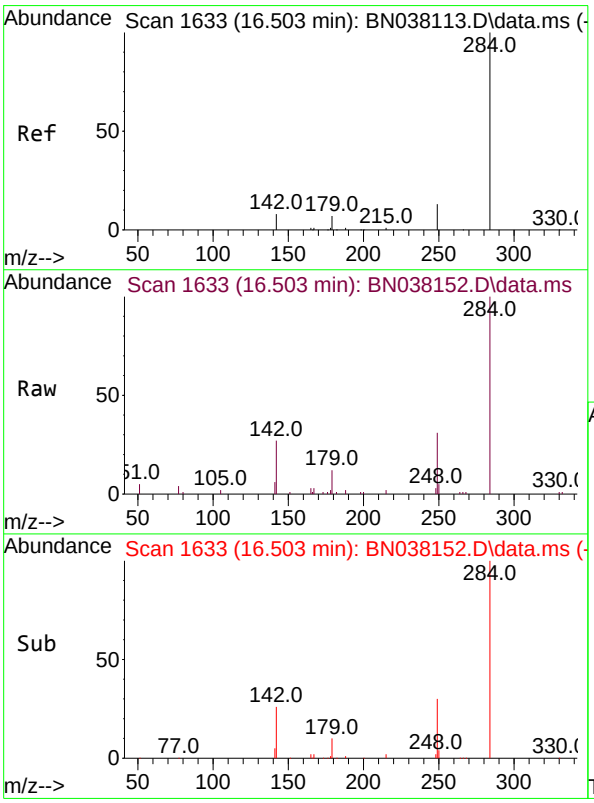
#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.391 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:248 Resp: 6817

Ion	Ratio	Lower	Upper
248	100		
250	103.1	76.2	114.2
141	42.4	57.6	86.4#

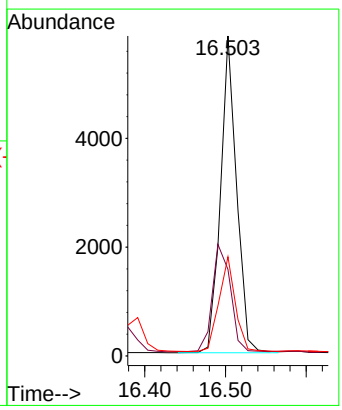


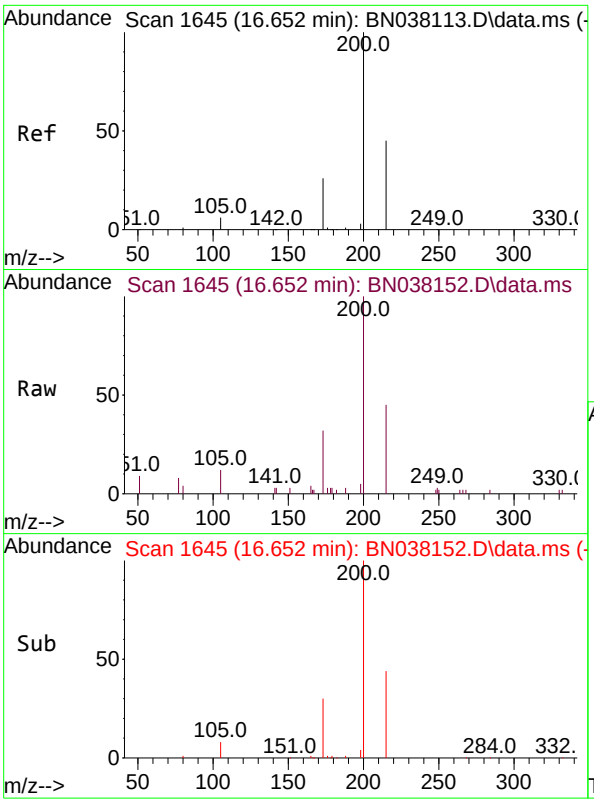


#22
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:284 Resp: 8050

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.5	45.7
249	30.6	23.5	35.3



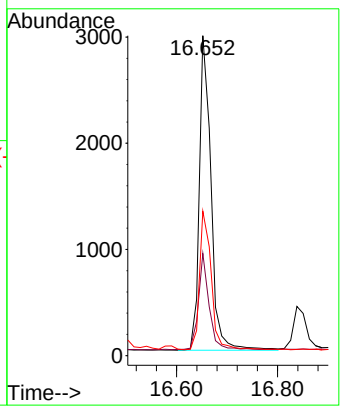


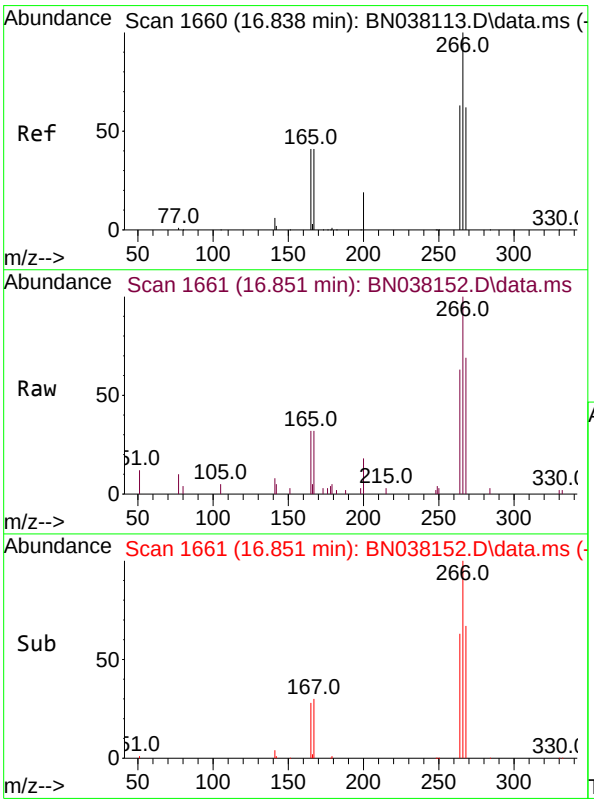
#23
Atrazine
Concen: 0.348 ng
RT: 16.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:200 Resp: 4722

Ion	Ratio	Lower	Upper
200	100		
173	31.9	21.4	32.2
215	45.2	36.7	55.1

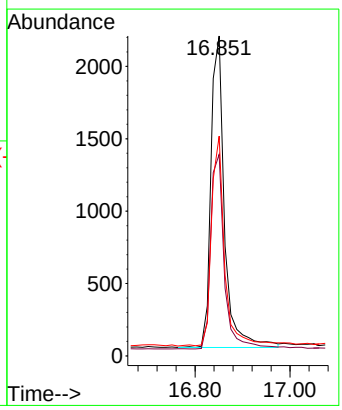


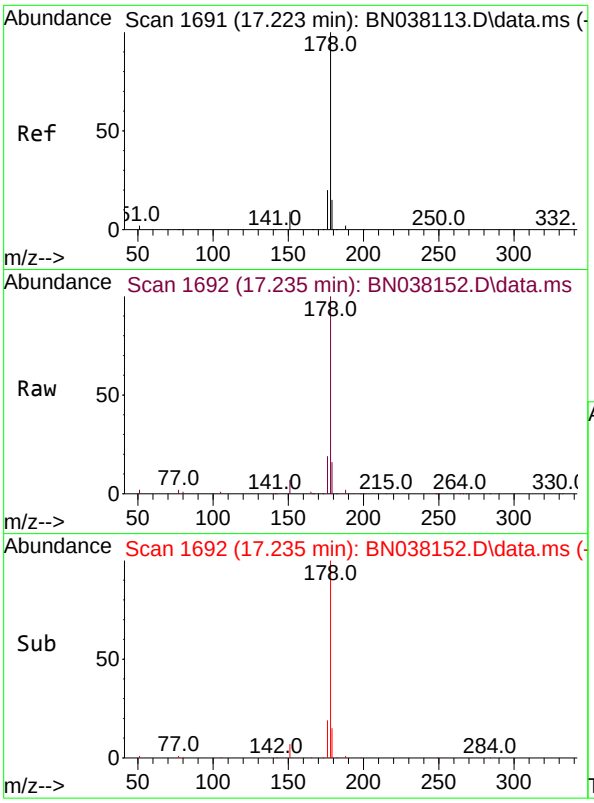


#24
Pentachlorophenol
Concen: 0.468 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:266 Resp: 4254

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.3	73.9
268	65.7	50.6	75.8



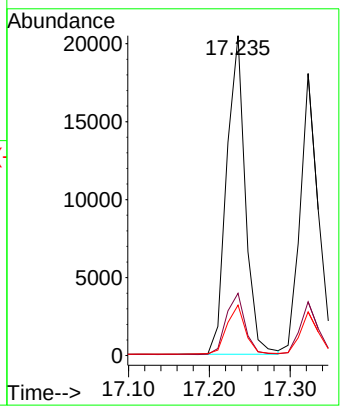


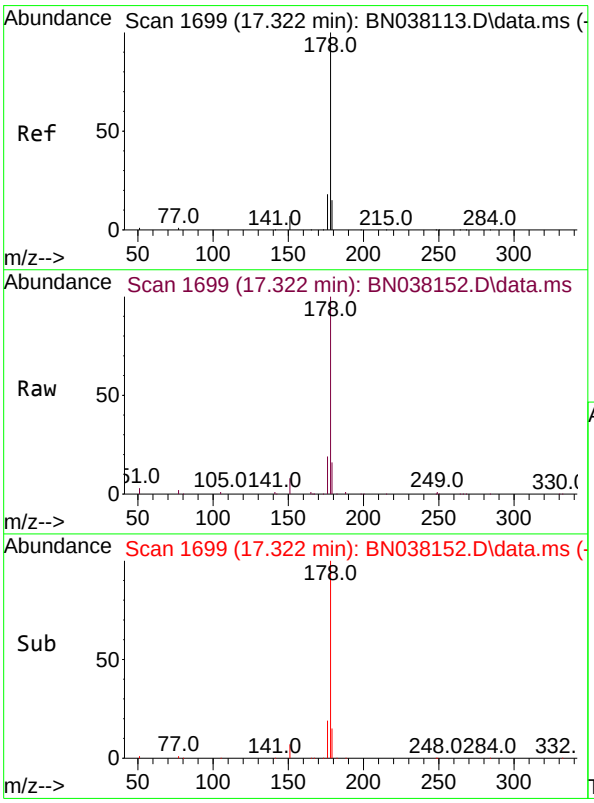
#25
Phenanthrene
Concen: 0.365 ng
RT: 17.235 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:178 Resp: 32744

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.2	18.4

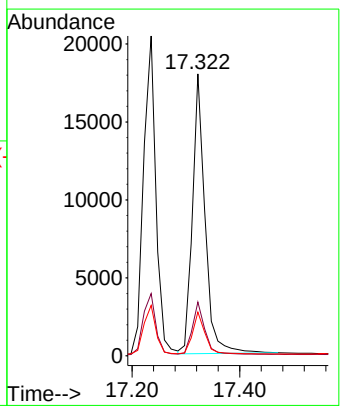


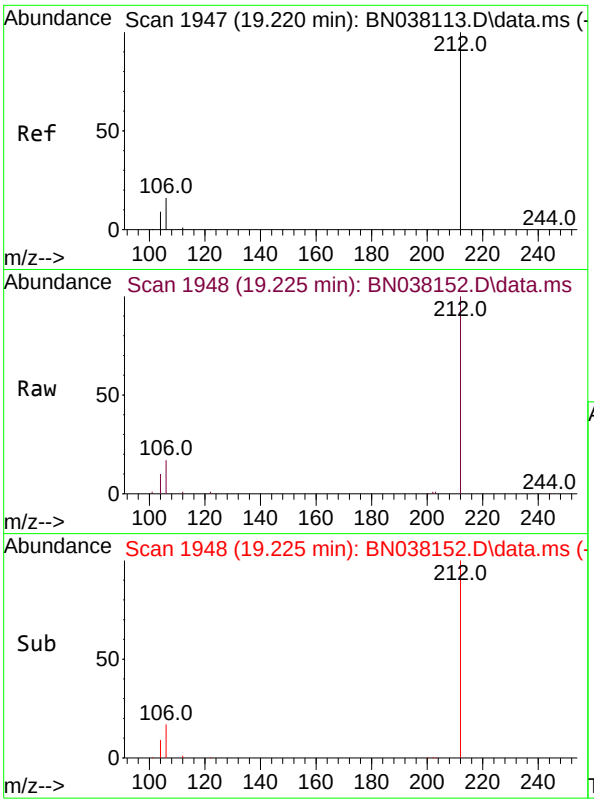


#26
Anthracene
Concen: 0.370 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:178 Resp: 29076

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.1	11.8	17.8



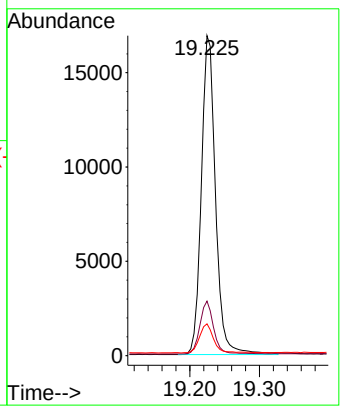


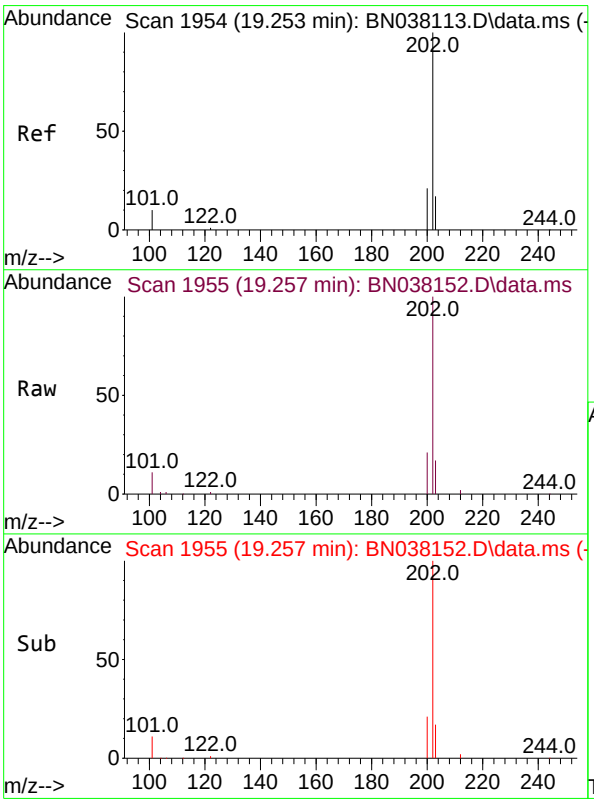
#27
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.225 min Scan# 19
Delta R.T. 0.005 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:212 Resp: 23866

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.0	7.1	10.7

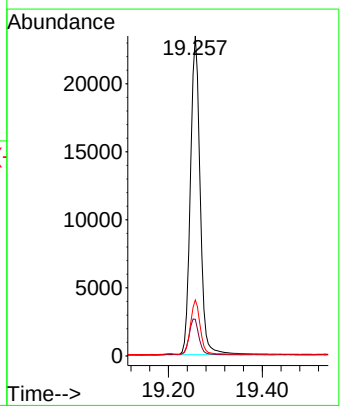


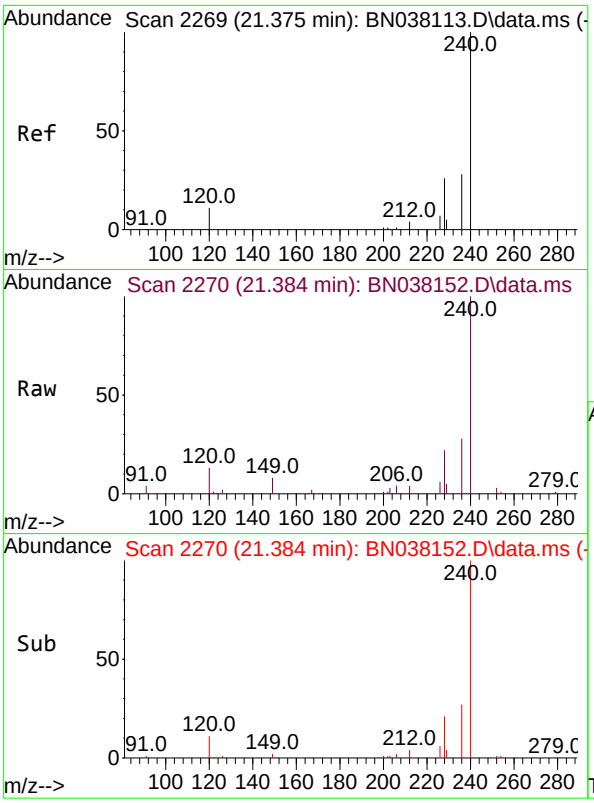


#28
Fluoranthene
Concen: 0.335 ng
RT: 19.257 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:202 Resp: 33640

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.4	14.2
203	16.6	13.4	20.2



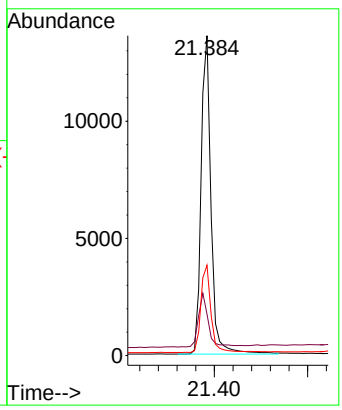


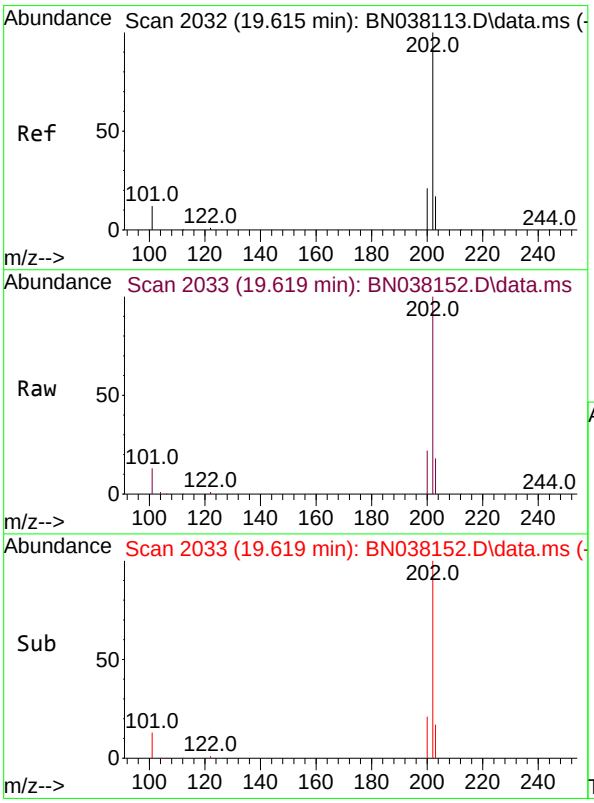
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:240 Resp: 19896

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	28.2	23.1	34.7

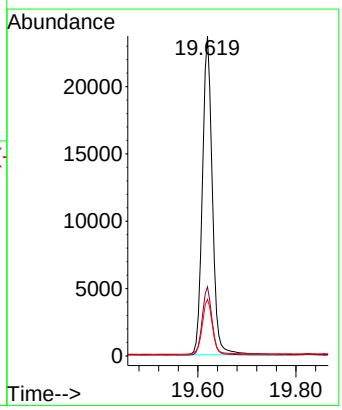


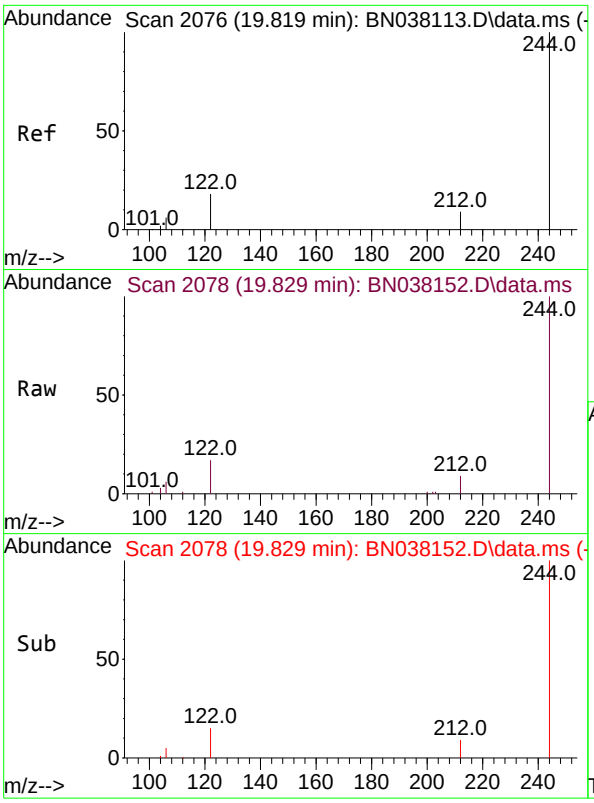


#30
Pyrene
Concen: 0.371 ng
RT: 19.619 min Scan# 2033
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:202 Resp: 33342

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.2



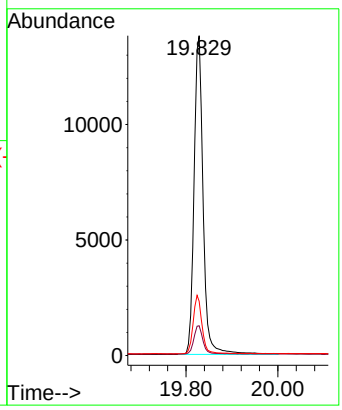


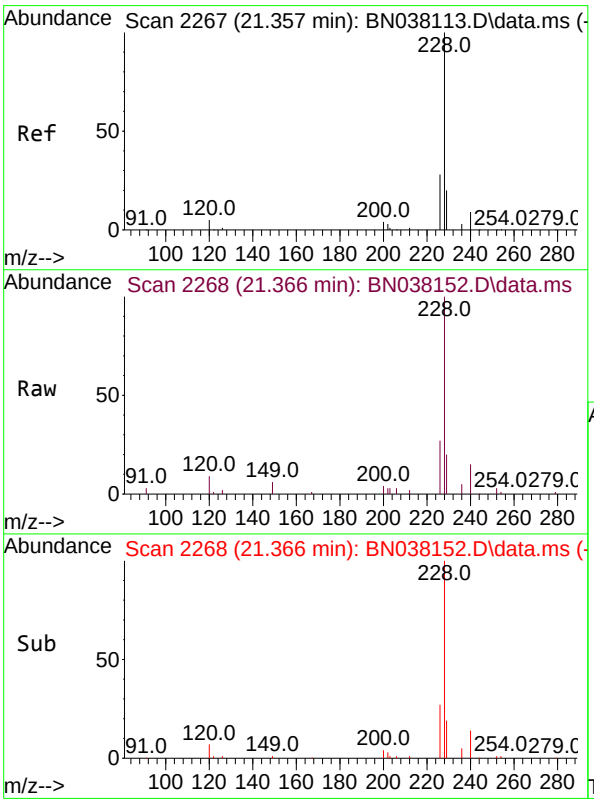
#31
Terphenyl-d14
Concen: 0.439 ng
RT: 19.829 min Scan# 20
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:244 Resp: 18959

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.8	11.6
122	17.0	15.2	22.8

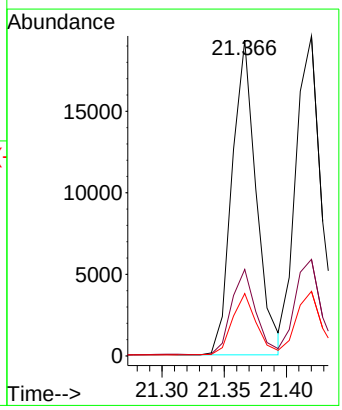


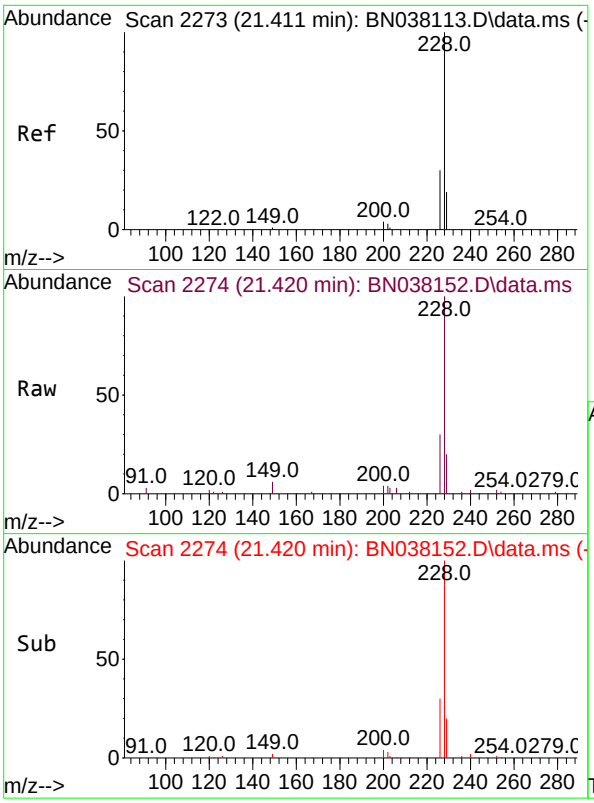


#32
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:228 Resp: 26226

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.4
229	19.7	15.8	23.8



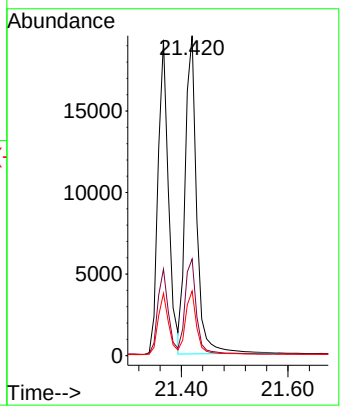


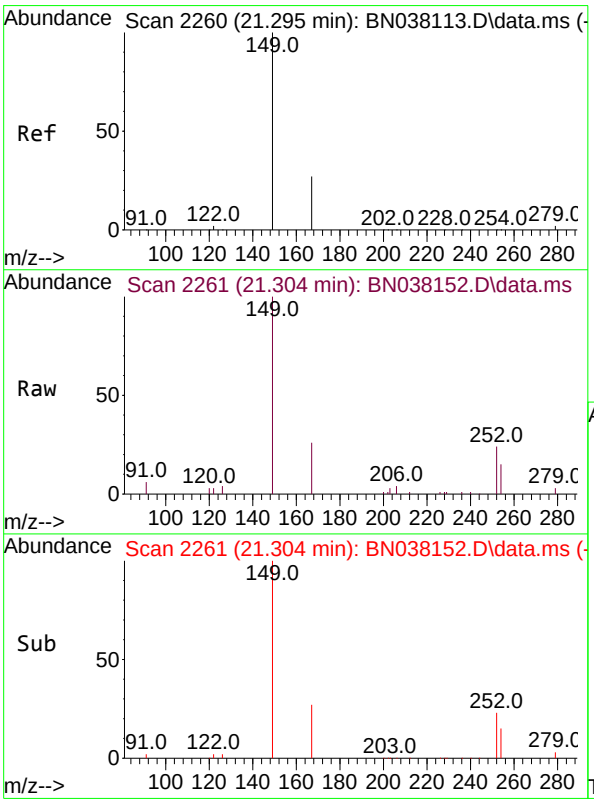
#33
Chrysene
Concen: 0.377 ng
RT: 21.420 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:228 Resp: 29053

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.2	15.7	23.5

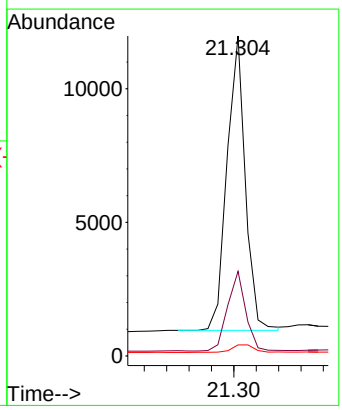


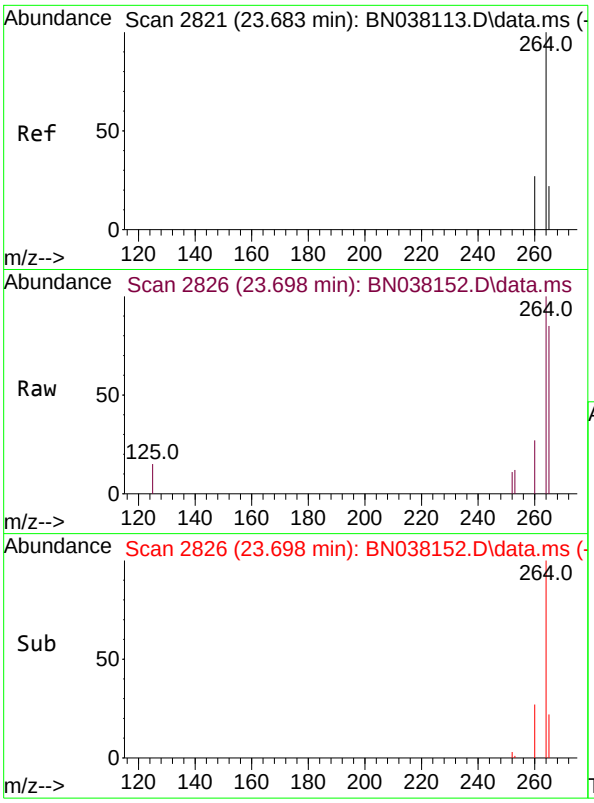


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.335 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:149 Resp: 12508

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.1	31.7
279	3.3	2.9	4.3



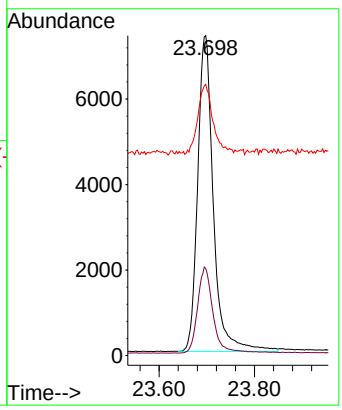


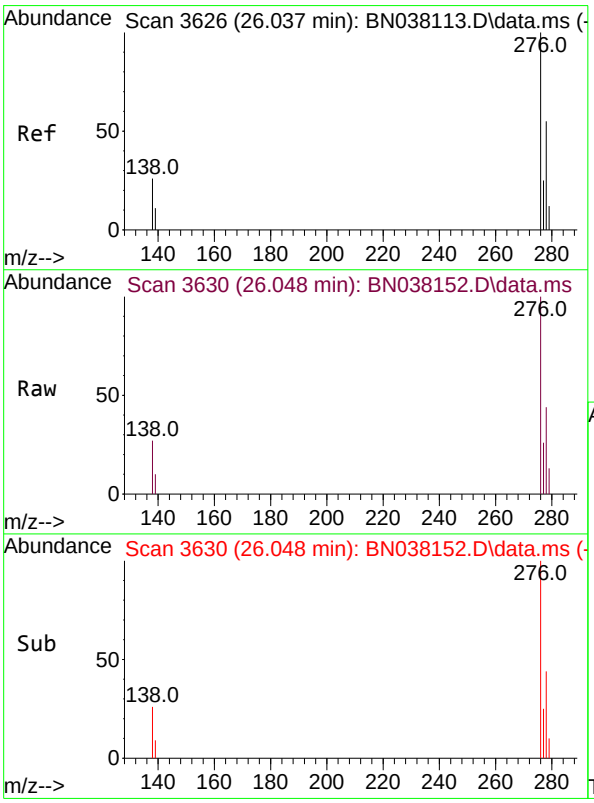
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.698 min Scan# 28
Delta R.T. 0.017 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:264 Resp: 16901

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	84.8	68.6	102.8

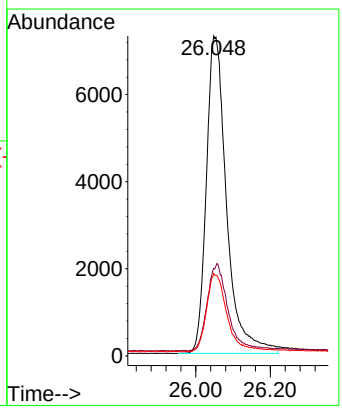


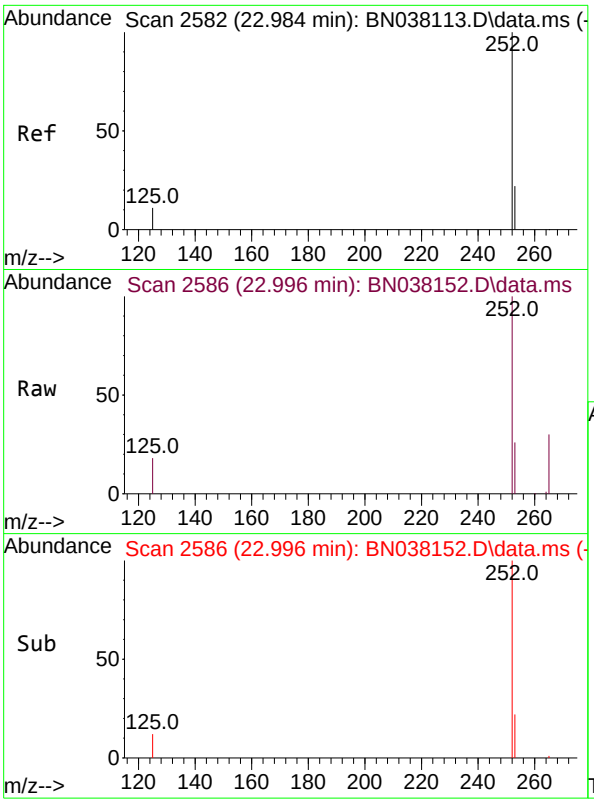


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 26.048 min Scan# 3630
Delta R.T. 0.015 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:276 Resp: 27599

Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.4	32.0
277	24.3	19.2	28.8



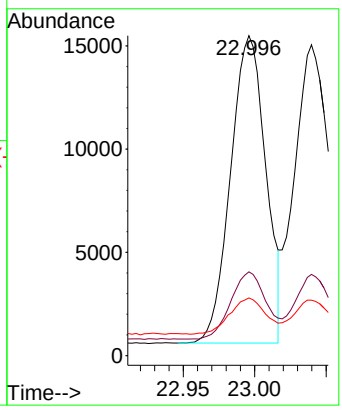


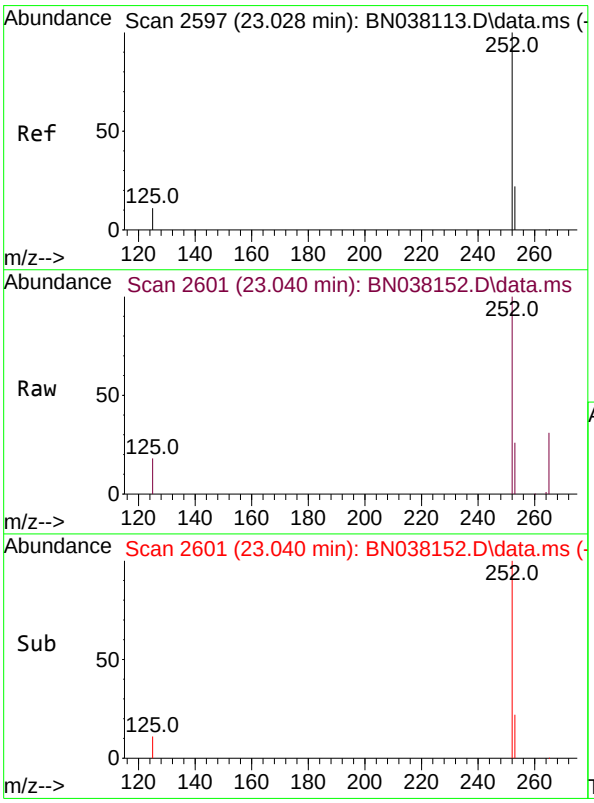
#37
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 22.996 min Scan# 2
Delta R.T. 0.015 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:252 Resp: 25492

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.9	31.3
125	18.0	14.1	21.1

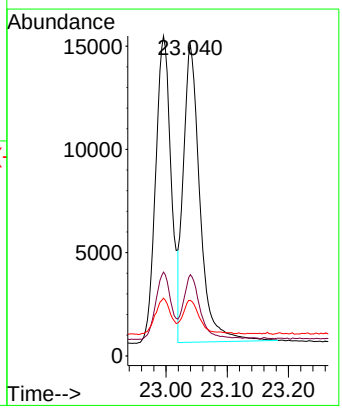


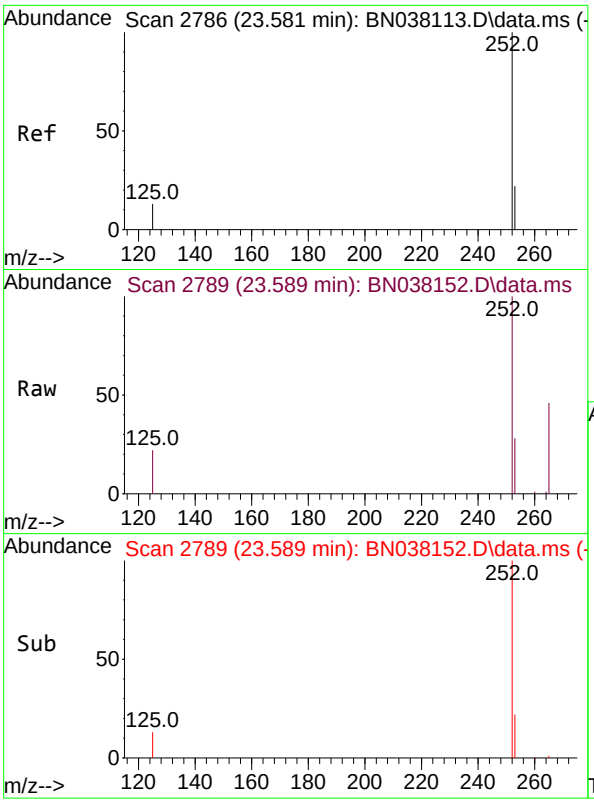


#38
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 23.040 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:252 Resp: 27198

Ion	Ratio	Lower	Upper
252	100		
253	26.2	21.2	31.8
125	17.8	14.6	22.0



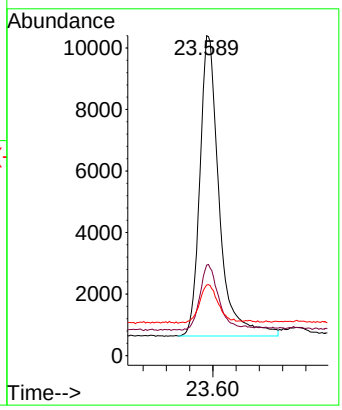


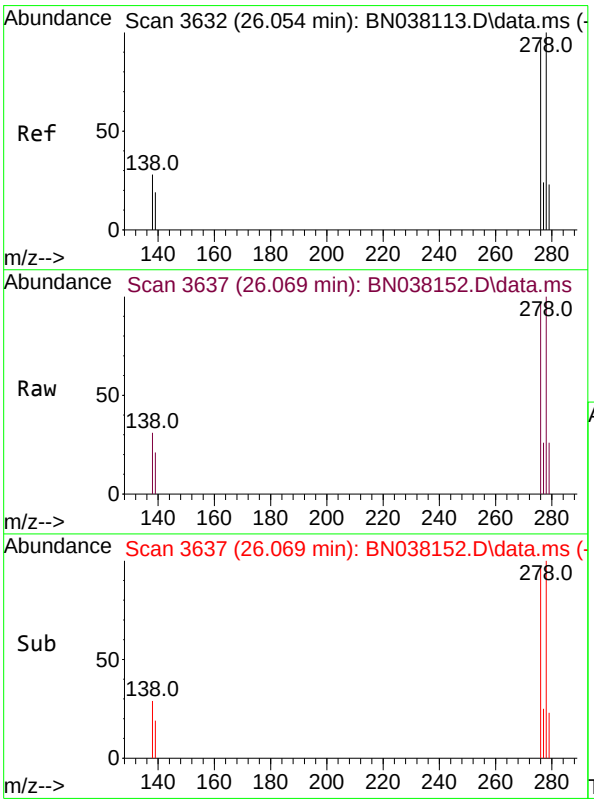
#39
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.589 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:252 Resp: 22526

Ion	Ratio	Lower	Upper
252	100		
253	28.3	23.1	34.7
125	22.1	18.6	28.0

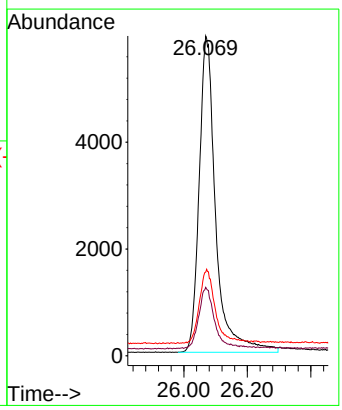


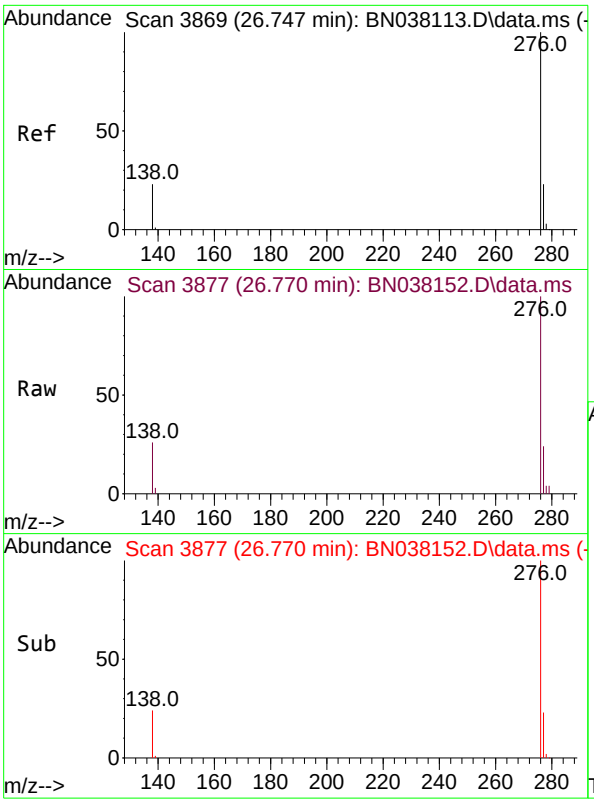


#40
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 26.069 min Scan# 3637
Delta R.T. 0.020 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:278 Resp: 21440

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.6	26.4
279	26.2	22.6	33.8





#41
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 26.770 min Scan# 3
Delta R.T. 0.020 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

Tgt Ion:276 Resp: 23733

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.7	29.5
138	25.9	20.2	30.4