Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038365.D
Acq On : 13 Dec 2025 00:37
Operator : RC/JU
Sample : Q3839-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Quant Time: Dec 13 02:12:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	6031	0.400	ng		0.00
7) Naphthalene-d8	10.520	136	15607	0.400	ng		#-0.01
13) Acenaphthene-d10	14.388	164	7601	0.400	ng		-0.01
19) Phenanthrene-d10	17.149	188	12674	0.400	ng		0.00
29) Chrysene-d12	21.340	240	8528	0.400	ng		0.00
35) Perylene-d12	23.622	264	9122	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.291	112	4752	0.316	ng		0.00
5) Phenol-d6	6.887	99	5398	0.302	ng		0.00
8) Nitrobenzene-d5	8.875	82	4175	0.317	ng		0.00
11) 2-Methylnaphthalene-d10	12.121	152	6040	0.274	ng		0.00
14) 2,4,6-Tribromophenol	15.883	330	856	0.254	ng		-0.01
15) 2-Fluorobiphenyl	13.009	172	10963	0.299	ng		0.00
27) Fluoranthene-d10	19.183	212	6485	0.207	ng		0.00
31) Terphenyl-d14	19.782	244	4088	0.215	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	2288	0.331	ng	#	65
3) n-Nitrosodimethylamine	3.507	42	2960	0.341	ng	#	97
6) bis(2-Chloroethyl)ether	7.139	93	6083	0.348	ng		99
9) Naphthalene	10.573	128	16568	0.359	ng		99
10) Hexachlorobutadiene	10.872	225	2761	0.337	ng	#	99
12) 2-Methylnaphthalene	12.197	142	9522	0.325	ng		100
16) Acenaphthylene	14.110	152	13816	0.370	ng		99
17) Acenaphthene	14.452	154	8255	0.317	ng		99
18) Fluorene	15.446	166	10618	0.317	ng		97
20) 4,6-Dinitro-2-methylph...	15.523	198	405	0.194	ng	#	75
21) 4-Bromophenyl-phenylether	16.342	248	3175	0.338	ng	#	92
22) Hexachlorobenzene	16.453	284	3815	0.337	ng		100
23) Atrazine	16.615	200	2199	0.343	ng		99
24) Pentachlorophenol	16.801	266	1652	0.375	ng		99
25) Phenanthrene	17.186	178	16885	0.383	ng		99
26) Anthracene	17.273	178	13812	0.363	ng		99
28) Fluoranthene	19.211	202	23790	0.507	ng		99
30) Pyrene	19.573	202	23593	0.562	ng		98
32) Benzo(a)anthracene	21.322	228	18765	0.570	ng		98
33) Chrysene	21.375	228	17753	0.489	ng		98
34) Bis(2-ethylhexyl)phtha...	21.259	149	8613	0.477	ng		100
36) Indeno(1,2,3-cd)pyrene	25.946	276	21623	0.447	ng		98
37) Benzo(b)fluoranthene	22.935	252	21368	0.510	ng		99
38) Benzo(k)fluoranthene	22.978	252	18045	0.432	ng		96
39) Benzo(a)pyrene	23.522	252	17659	0.515	ng		96
40) Dibenzo(a,h)anthracene	25.964	278	14176	0.380	ng		98
41) Benzo(g,h,i)perylene	26.653	276	18812	0.451	ng		99

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
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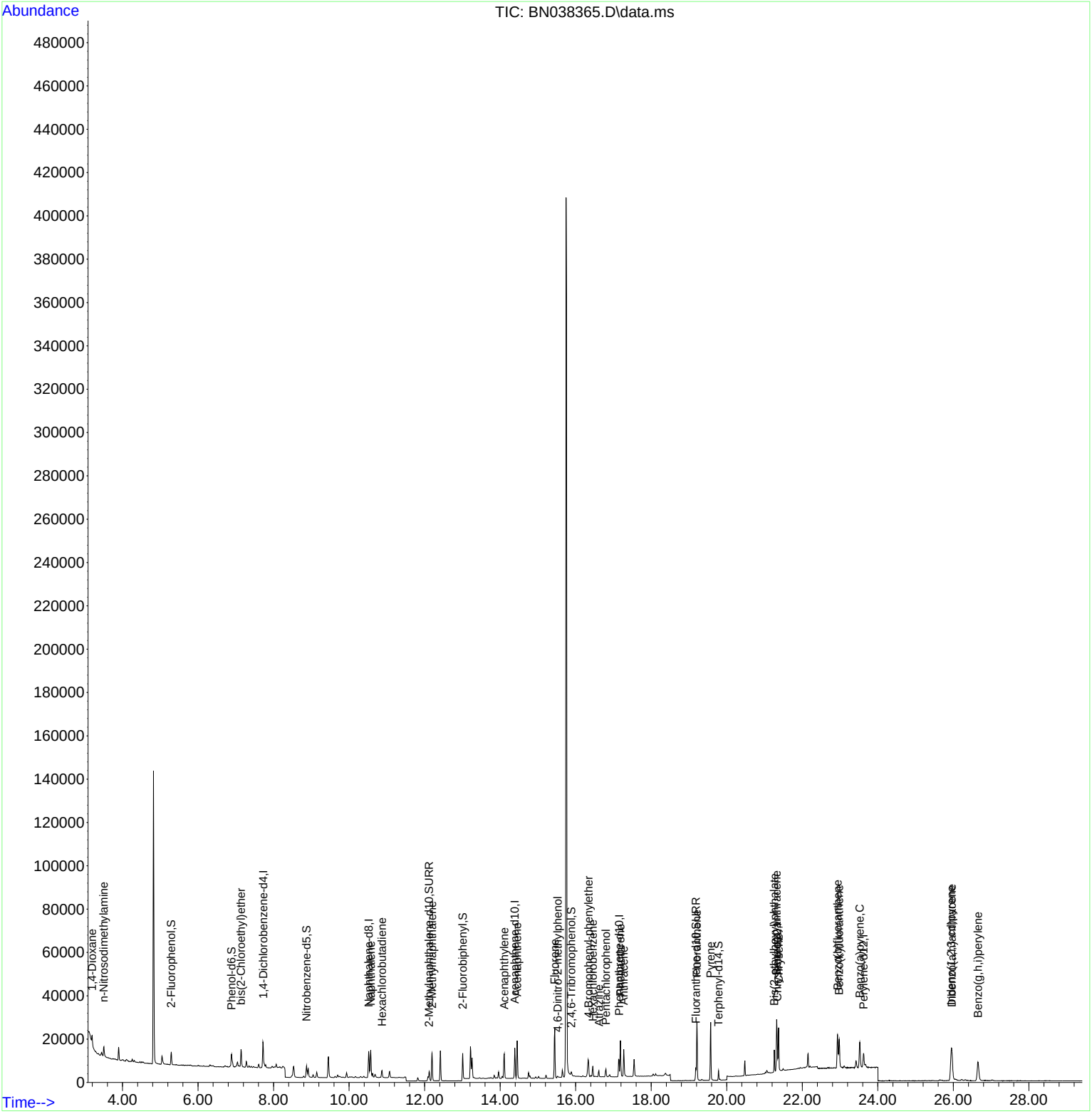
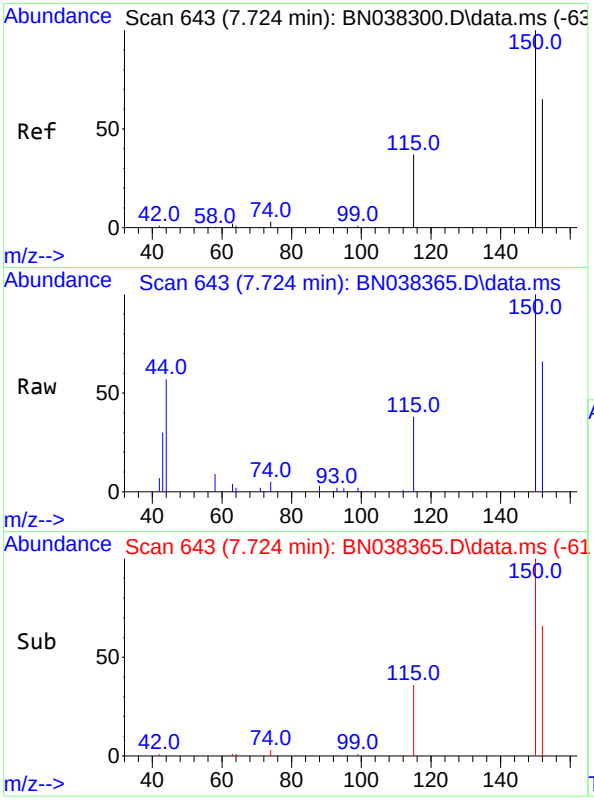


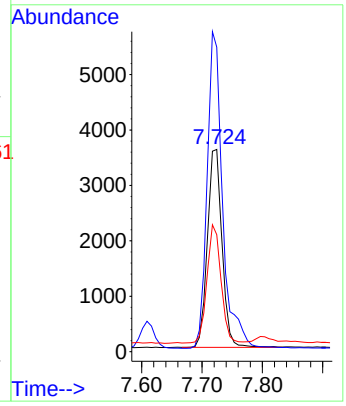


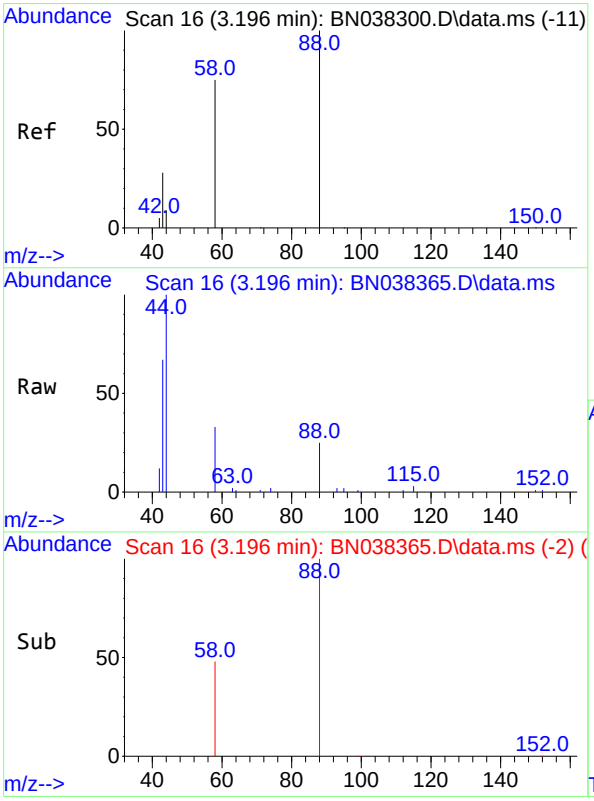
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:152 Resp: 6031

Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.4	183.6
115	57.8	47.3	70.9

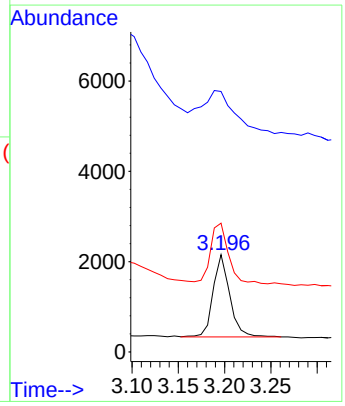


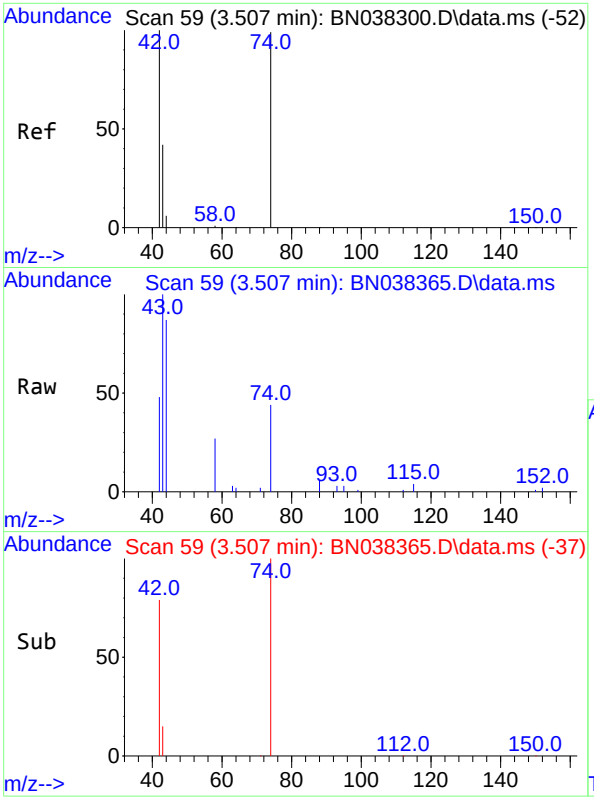


#2
1,4-Dioxane
Concen: 0.331 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion: 88 Resp: 2288

Ion	Ratio	Lower	Upper
88	100		
43	95.3	24.9	37.3#
58	78.8	61.4	92.0



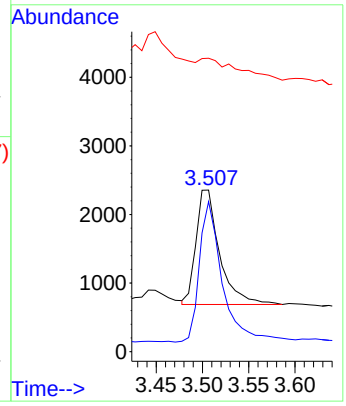


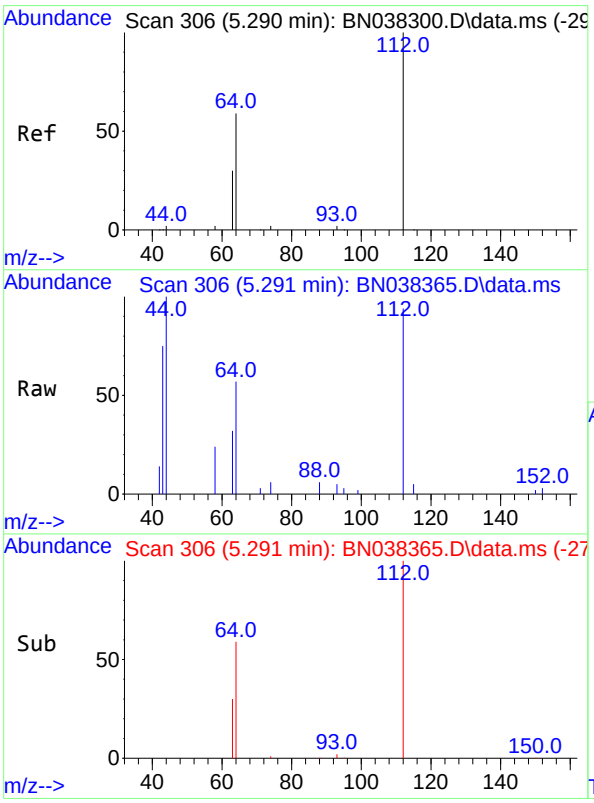
#3
n-Nitrosodimethylamine
Concen: 0.341 ng
RT: 3.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion: 42 Resp: 2960

Ion	Ratio	Lower	Upper
42	100		
74	120.3	95.3	142.9
44	0.0	7.9	11.9#

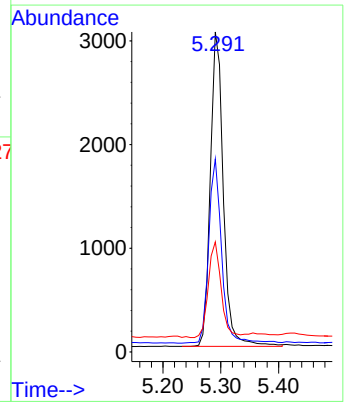


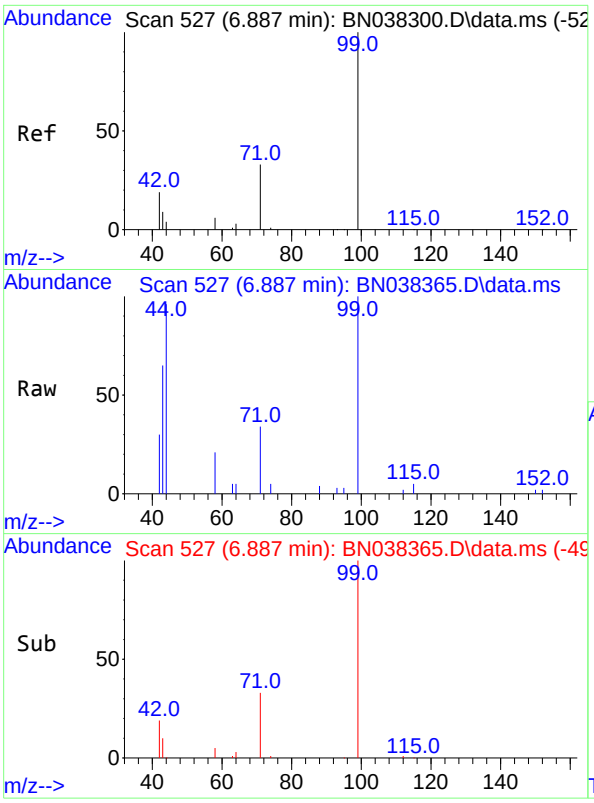


#4
2-Fluorophenol
Concen: 0.316 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:112 Resp: 4752

Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.4	66.6
63	30.1	23.4	35.0



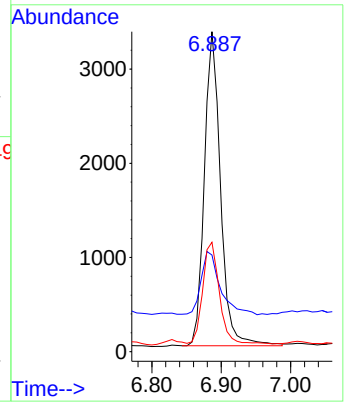


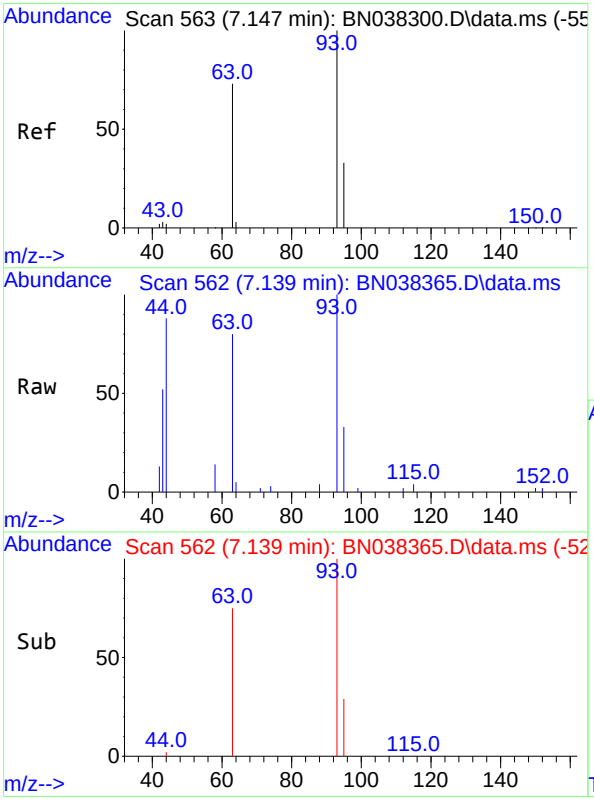
#5
Phenol-d6
Concen: 0.302 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion: 99 Resp: 5398

Ion	Ratio	Lower	Upper
99	100		
42	23.6	16.5	24.7
71	33.6	24.9	37.3

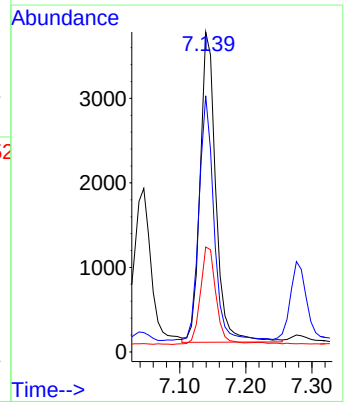


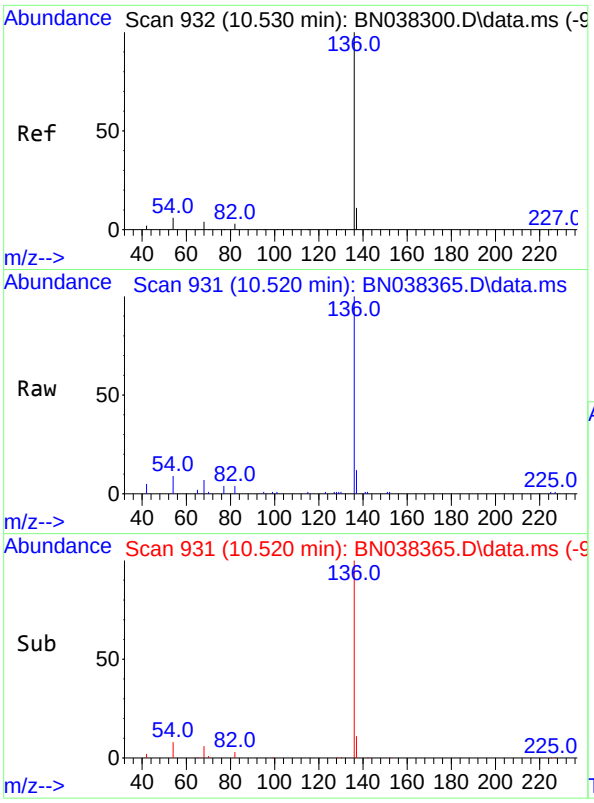


#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion: 93 Resp: 6083

Ion	Ratio	Lower	Upper
93	100		
63	74.8	59.2	88.8
95	31.2	25.2	37.8



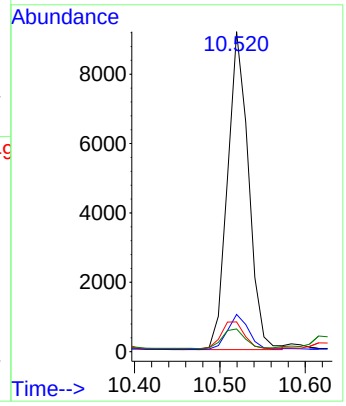


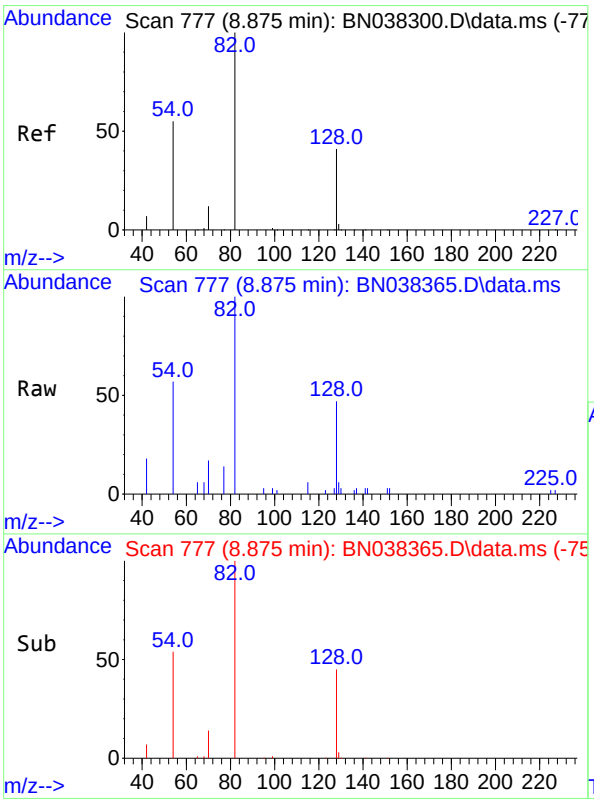
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:136 Resp: 15607

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	9.3	5.2	7.8#
68	7.1	4.1	6.1#

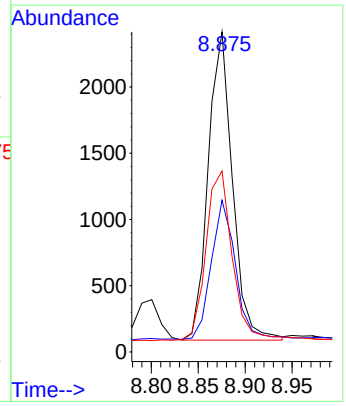


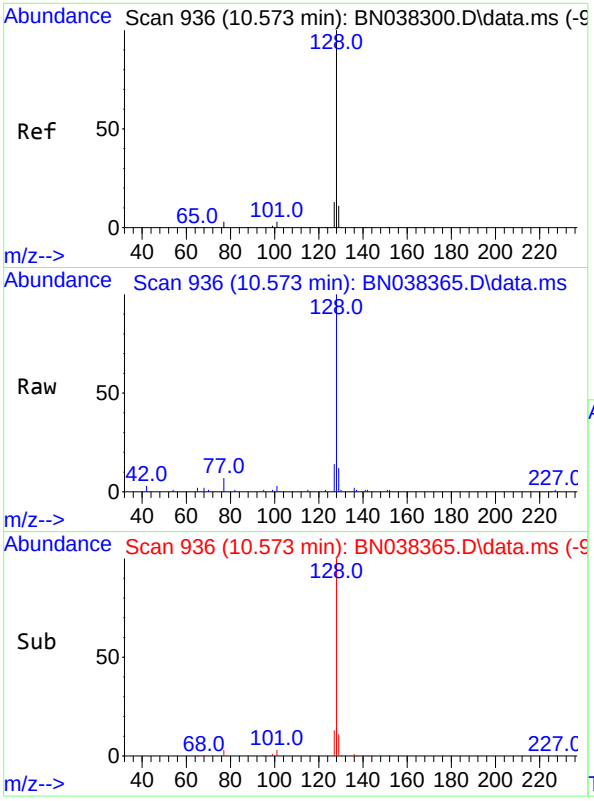


#8
Nitrobenzene-d5
Concen: 0.317 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion: 82 Resp: 4175

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.0	51.0
54	56.6	44.4	66.6



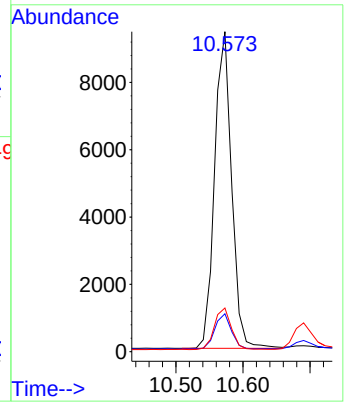


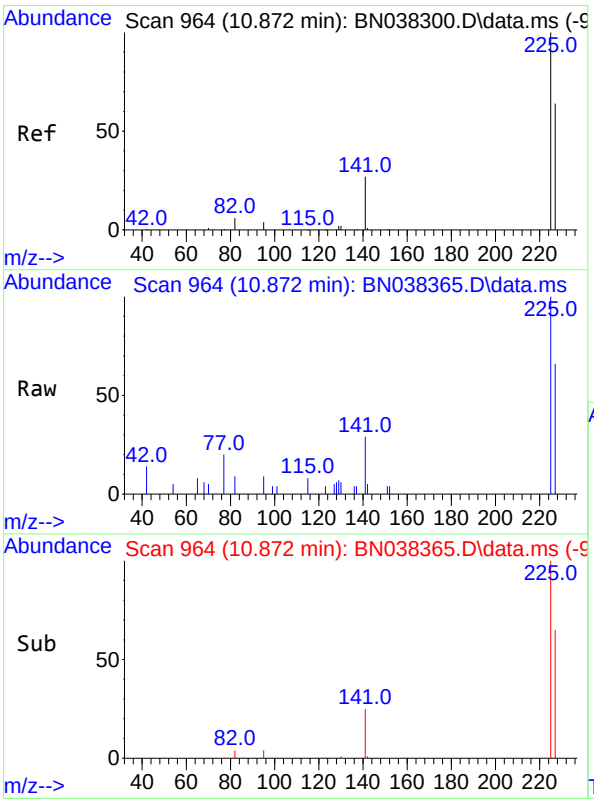
#9
Naphthalene
Concen: 0.359 ng
RT: 10.573 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:128 Resp: 16568

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.1	13.7
127	13.6	10.9	16.3

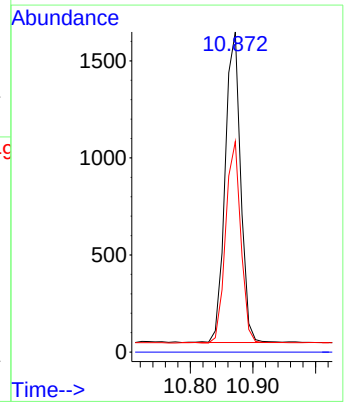


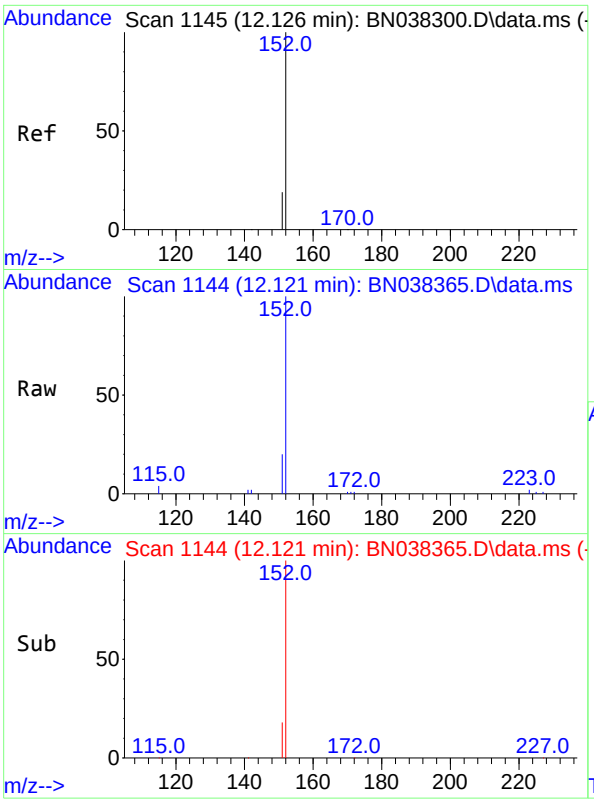


#10
Hexachlorobutadiene
Concen: 0.337 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:225 Resp: 2761

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.2	76.8



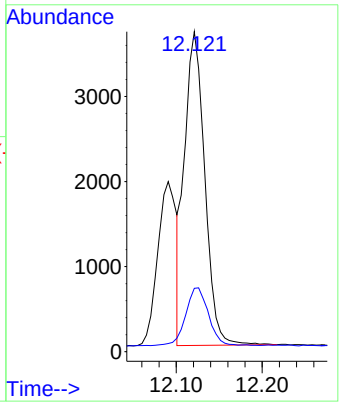


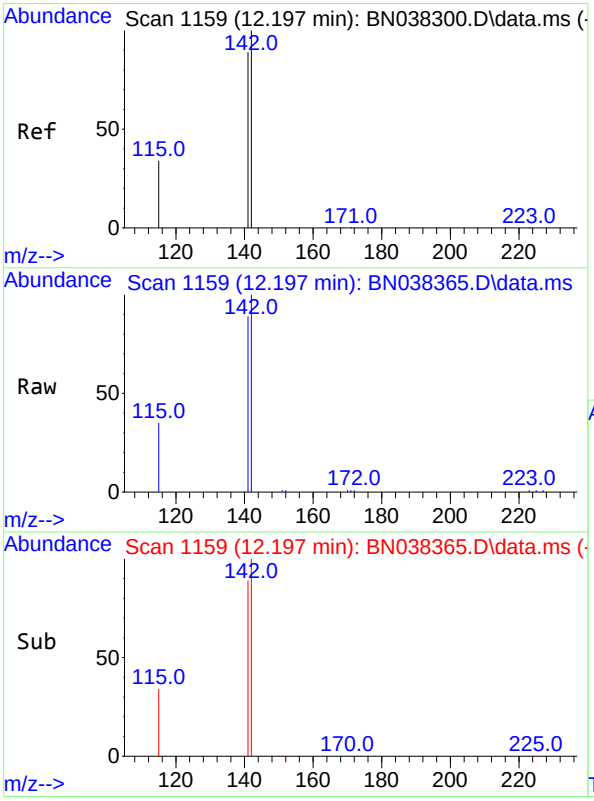
#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.121 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:152 Resp: 6040

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

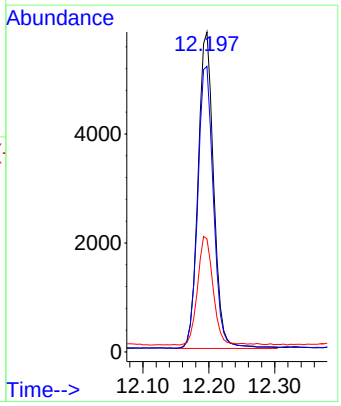


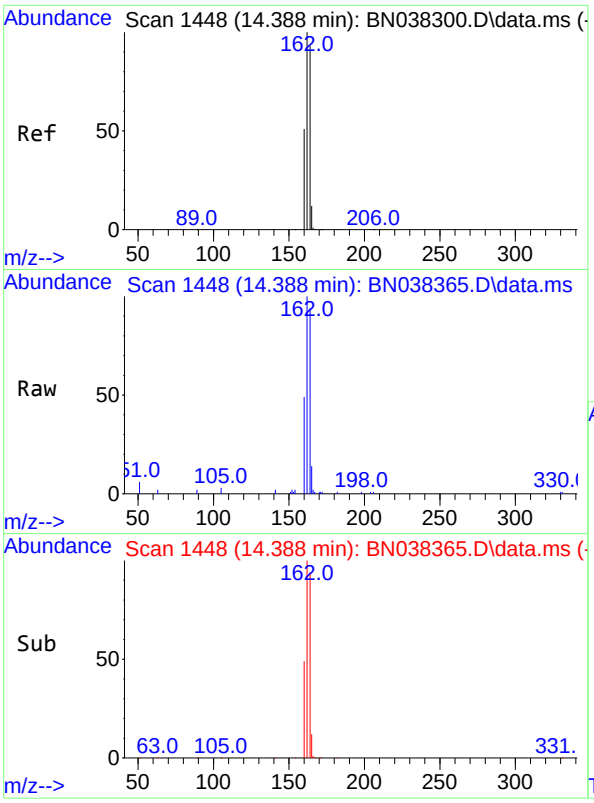


#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:142 Resp: 9522

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.2
115	35.3	28.4	42.6



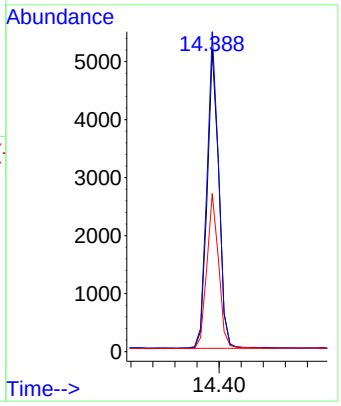


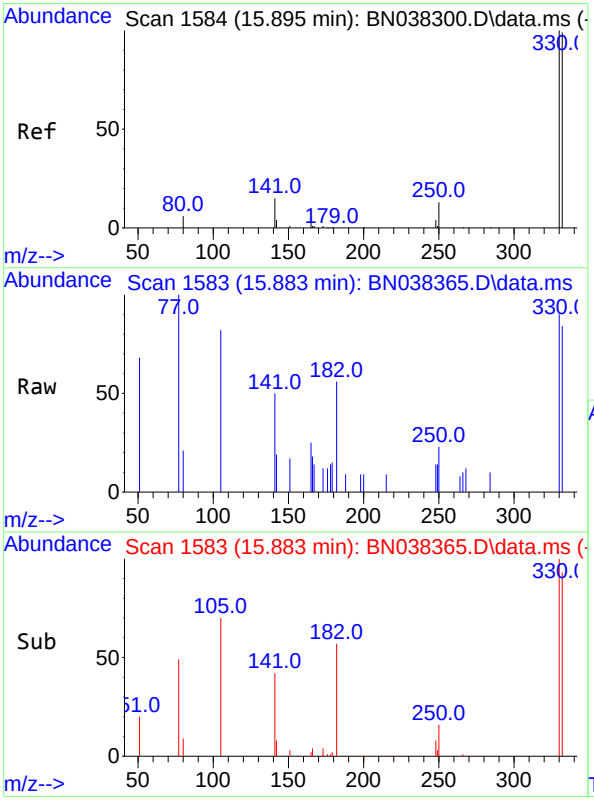
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:164 Resp: 7601

Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.2	129.4
160	52.5	44.6	67.0

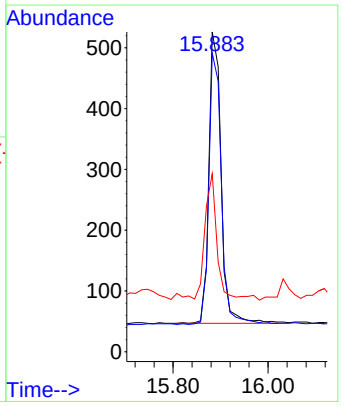


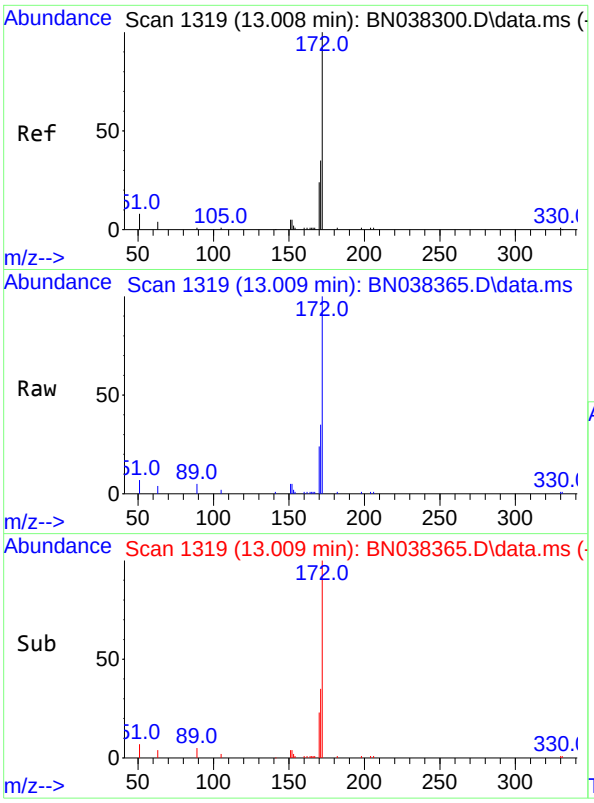


#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:330 Resp: 856

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.8	113.6
141	39.4	31.8	47.8



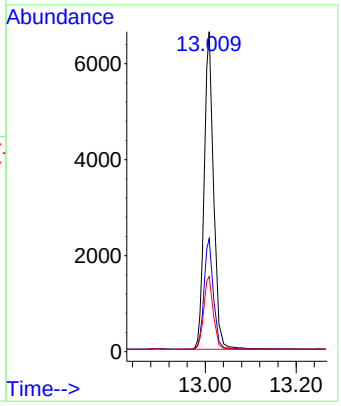


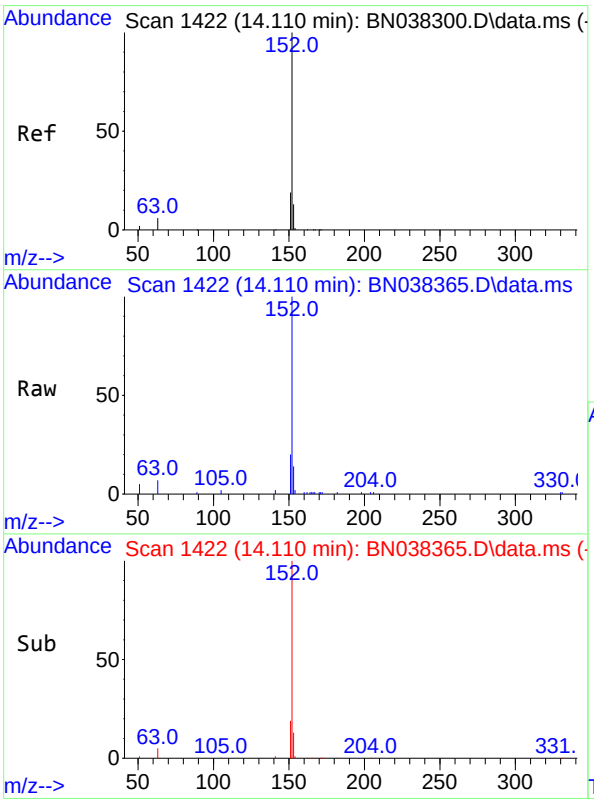
#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 13.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:172 Resp: 10963

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.5	19.3	28.9

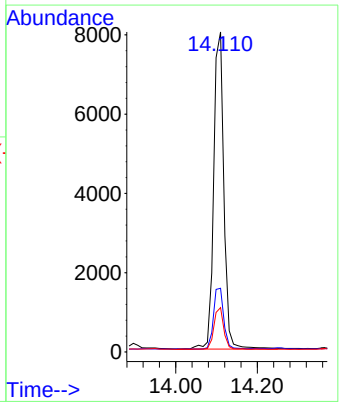


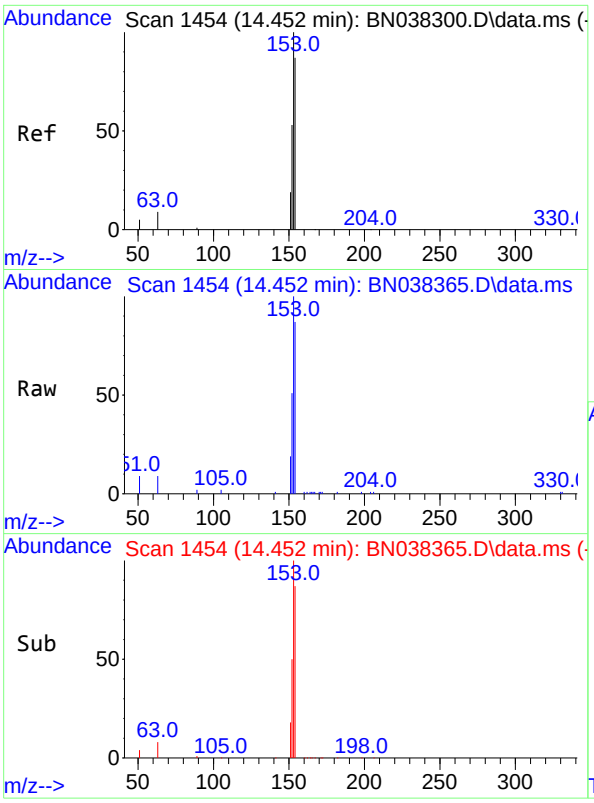


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:152 Resp: 13816

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	12.9	10.2	15.4



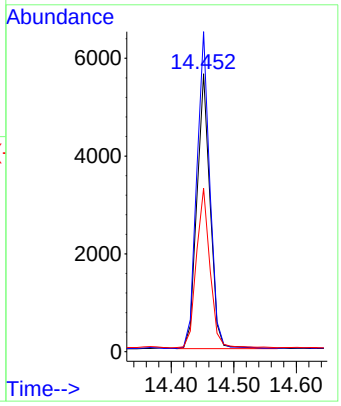


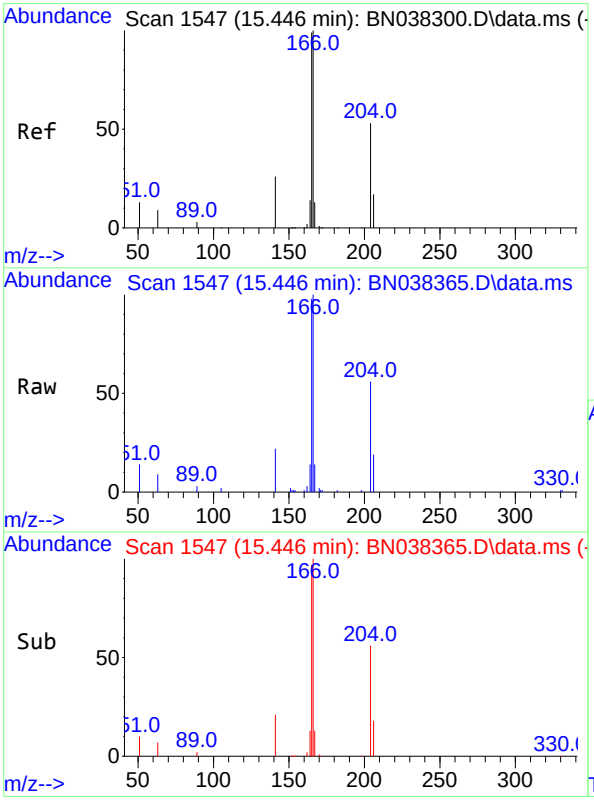
#17
Acenaphthene
Concen: 0.317 ng
RT: 14.452 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:154 Resp: 8255

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.8	134.8
152	59.8	47.5	71.3

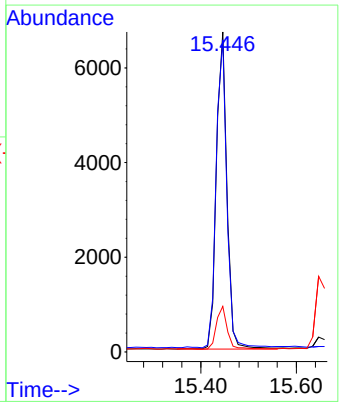


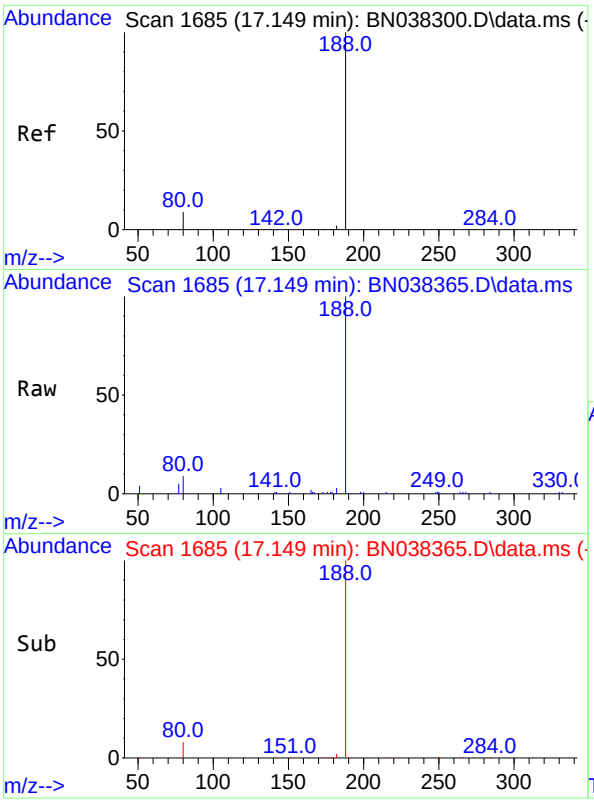


#18
Fluorene
Concen: 0.317 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:166 Resp: 10618

Ion	Ratio	Lower	Upper
166	100		
165	97.5	80.2	120.4
167	14.0	10.6	16.0



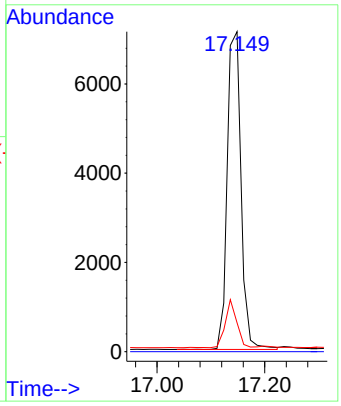


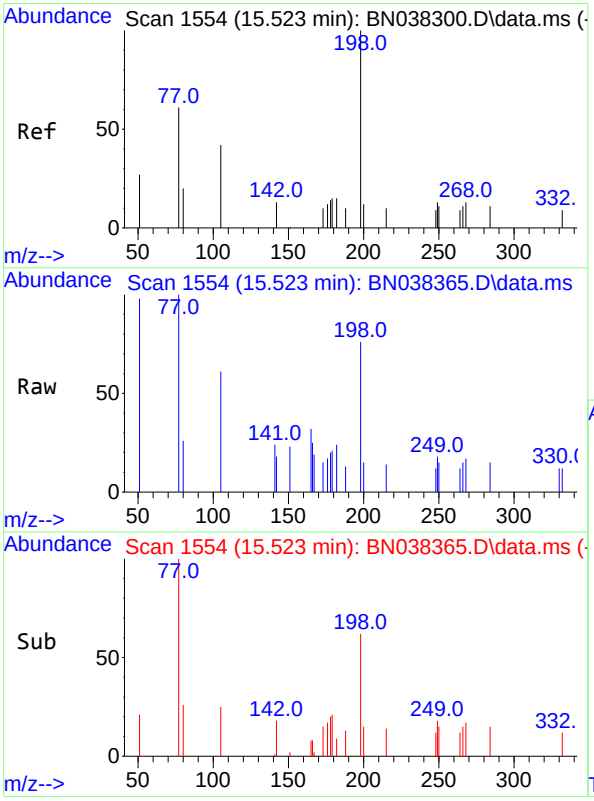
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:188 Resp: 12674

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.4	11.0

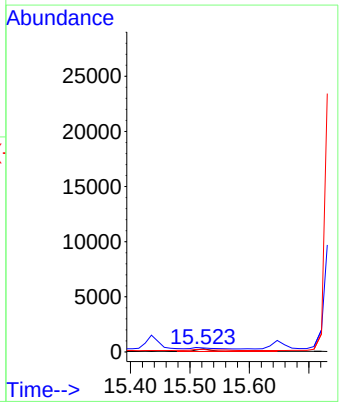


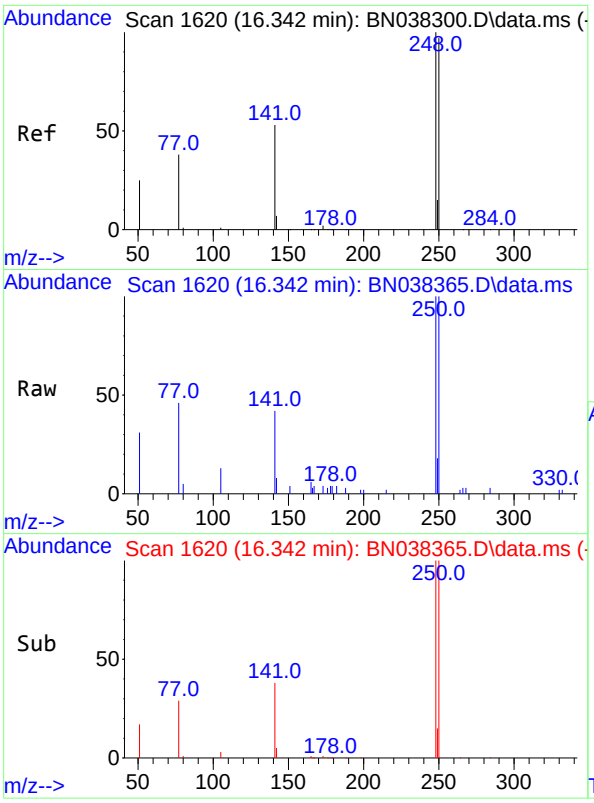


#20
4,6-Dinitro-2-methylphenol
Concen: 0.194 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.001 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:198 Resp: 405

Ion	Ratio	Lower	Upper
198	100		
51	129.8	86.3	129.5#
105	81.1	45.3	67.9#



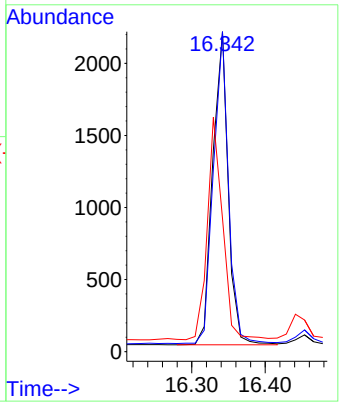


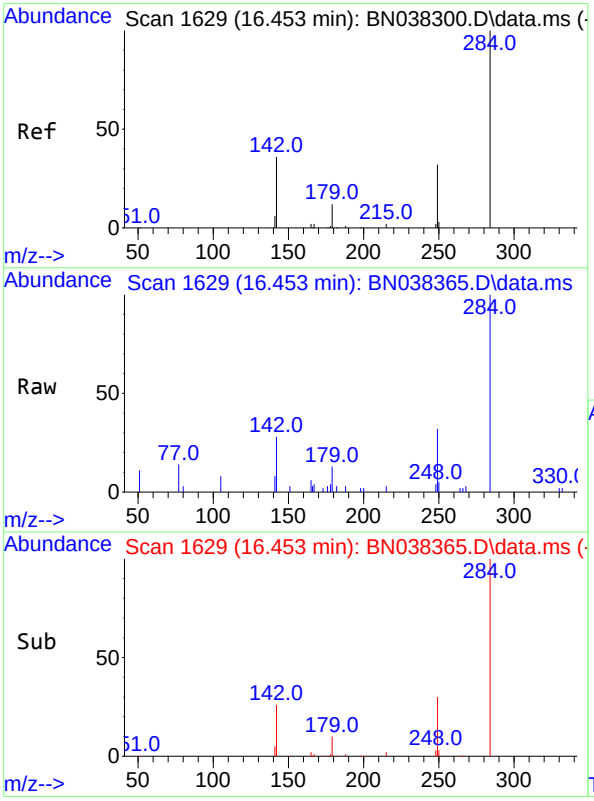
#21
4-Bromophenyl-phenylether
Concen: 0.338 ng
RT: 16.342 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:248 Resp: 3175

Ion	Ratio	Lower	Upper
248	100		
250	100.0	78.2	117.2
141	41.7	43.7	65.5#

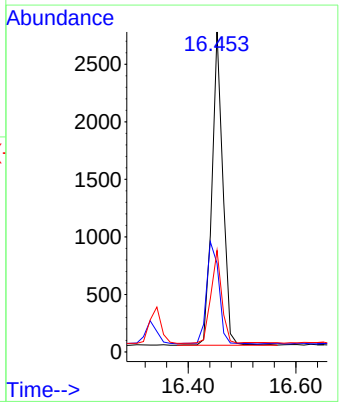


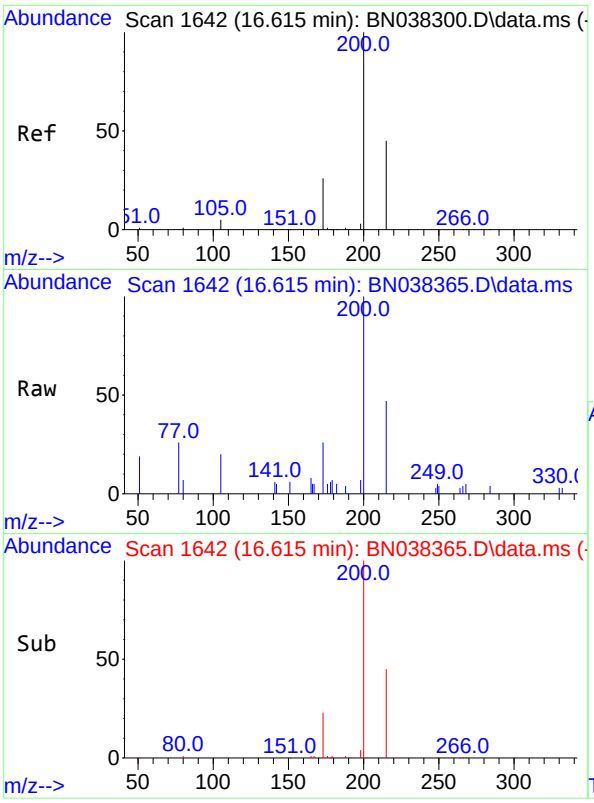


#22
Hexachlorobenzene
Concen: 0.337 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:284 Resp: 3815

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	29.6	23.7	35.5



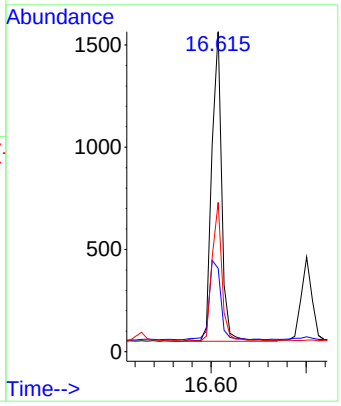


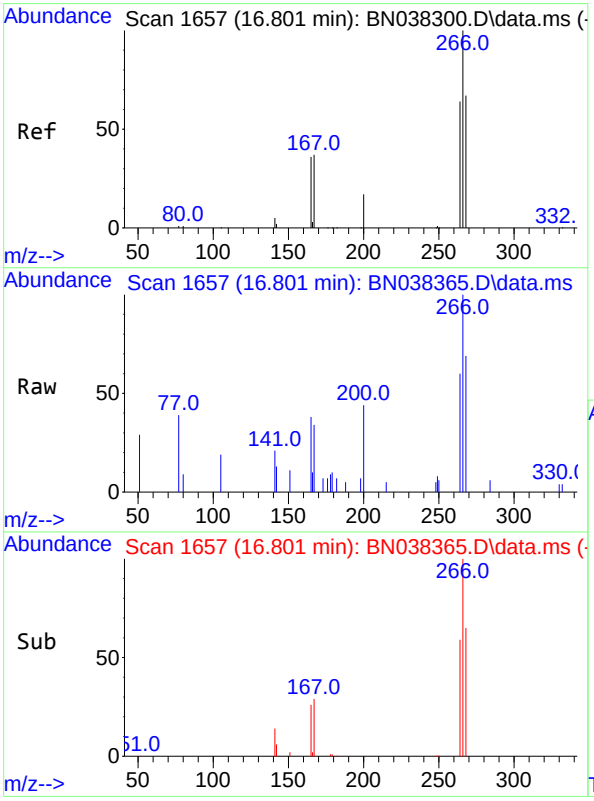
#23
Atrazine
Concen: 0.343 ng
RT: 16.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:200 Resp: 2199

Ion	Ratio	Lower	Upper
200	100		
173	26.1	22.1	33.1
215	46.6	37.4	56.2

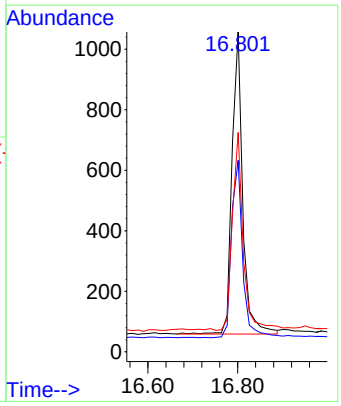


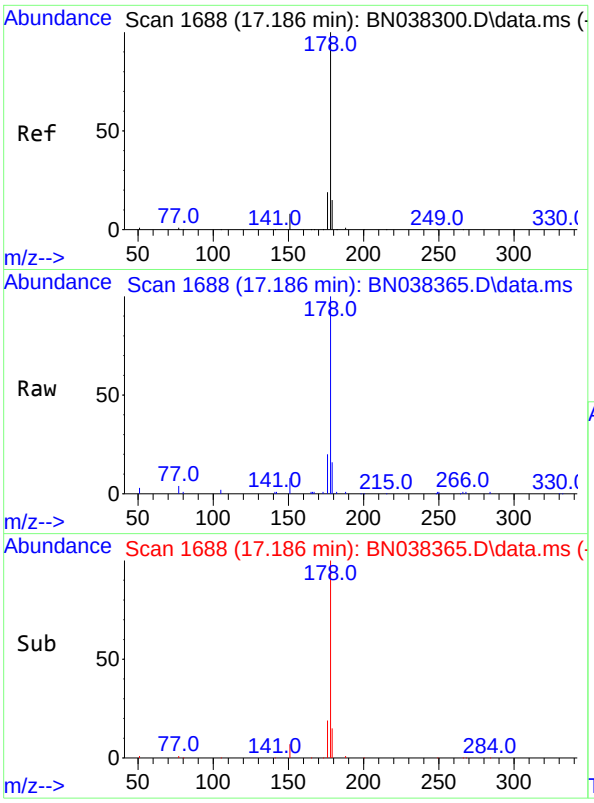


#24
Pentachlorophenol
Concen: 0.375 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:266 Resp: 1652

Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.2	75.2
268	66.9	52.6	78.8



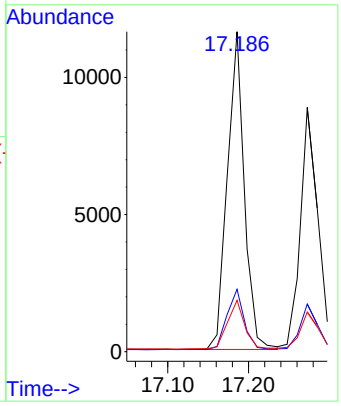


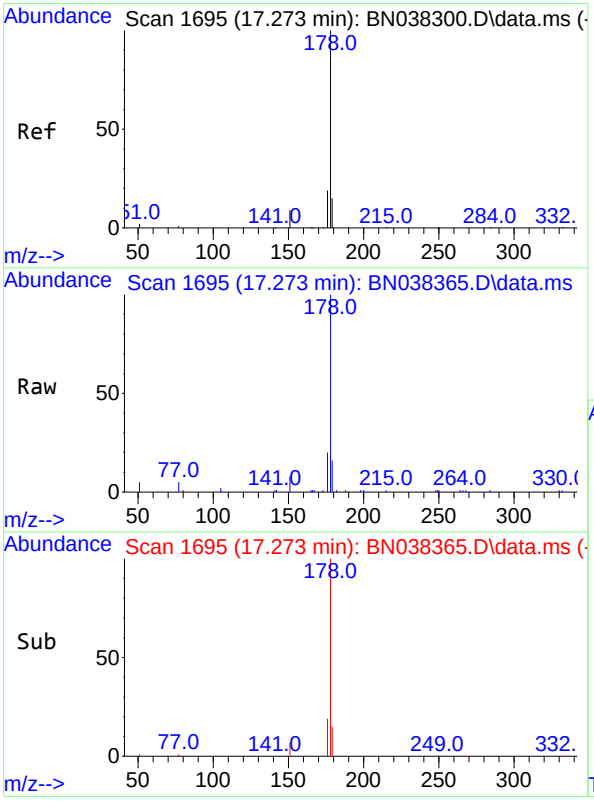
#25
Phenanthrene
Concen: 0.383 ng
RT: 17.186 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:178 Resp: 16885

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.2	18.2

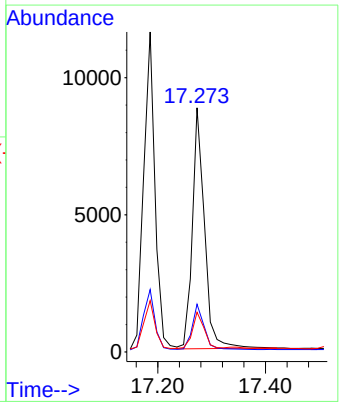


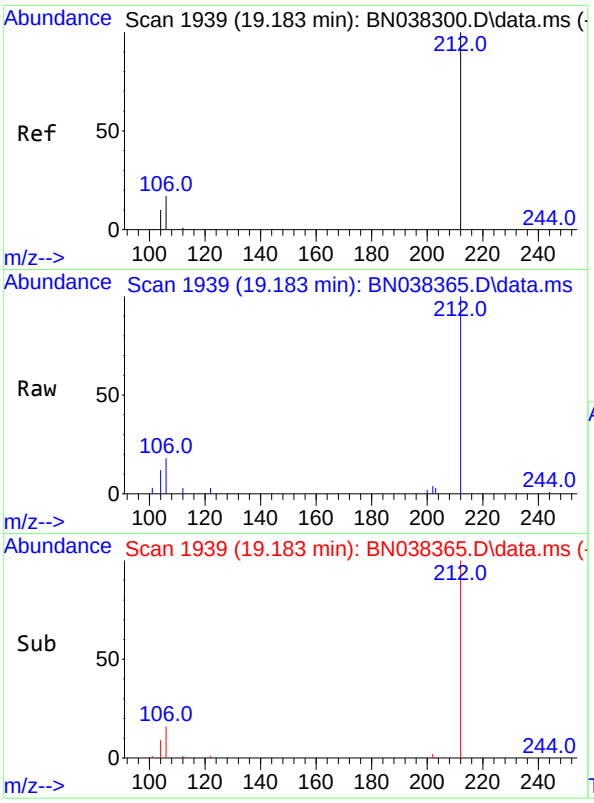


#26
Anthracene
Concen: 0.363 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:178 Resp: 13812

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	14.5	12.0	18.0





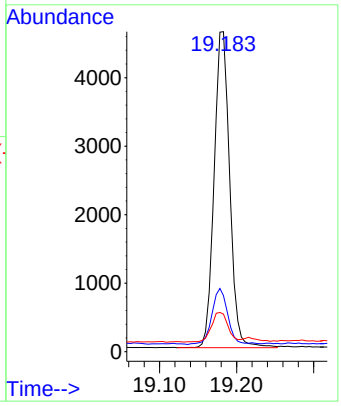
#27
Fluoranthene-d10
Concen: 0.207 ng
RT: 19.183 min Scan# 1

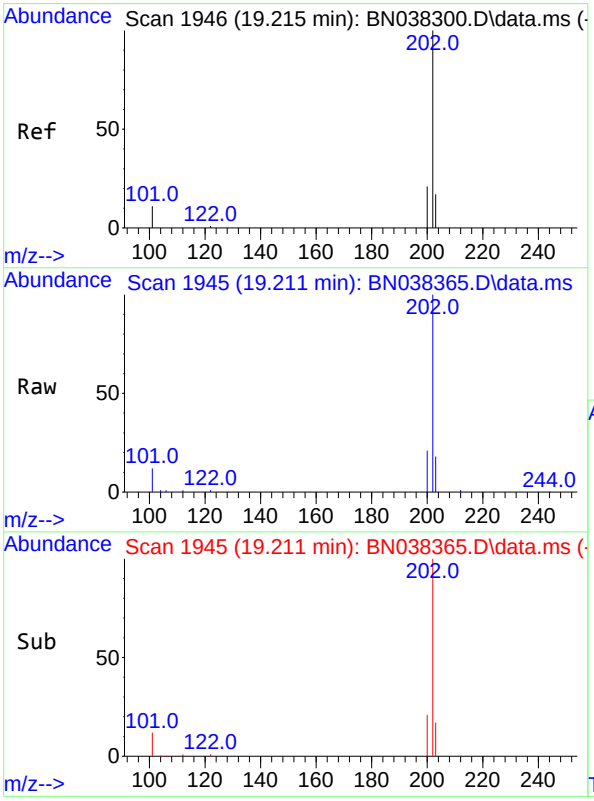
Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Delta R.T. -0.005 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:212 Resp: 6485

Ion	Ratio	Lower	Upper
212	100		
106	18.0	13.7	20.5
104	9.9	7.8	11.8

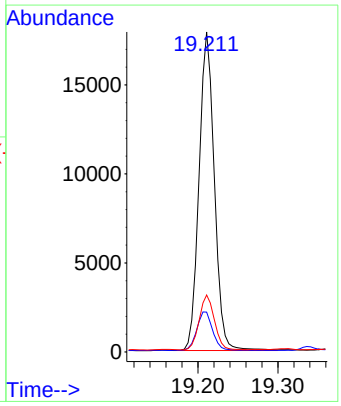


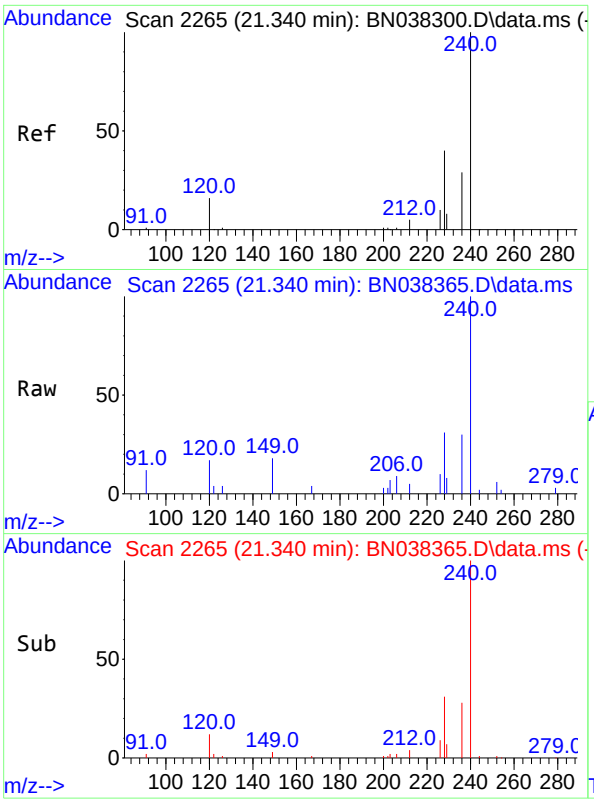


#28
Fluoranthene
Concen: 0.507 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:202 Resp: 23790

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.6	14.4
203	17.1	13.5	20.3



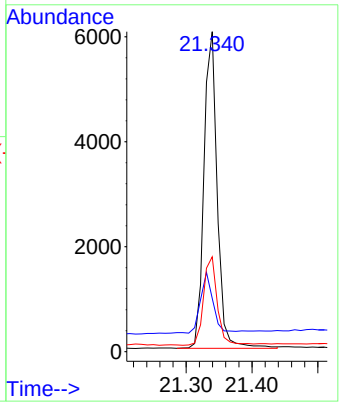


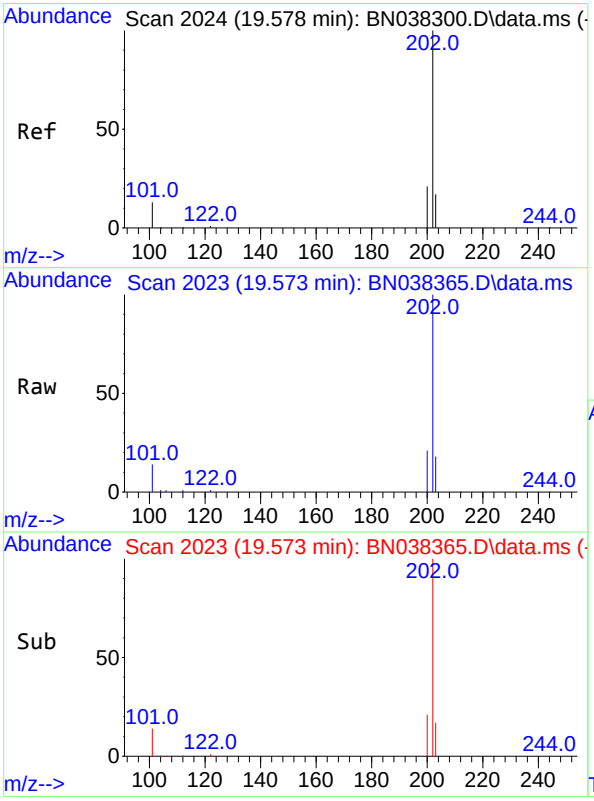
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:240 Resp: 8528

Ion	Ratio	Lower	Upper
240	100		
120	16.6	15.4	23.2
236	29.7	23.9	35.9

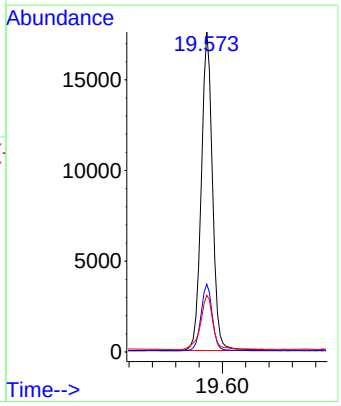


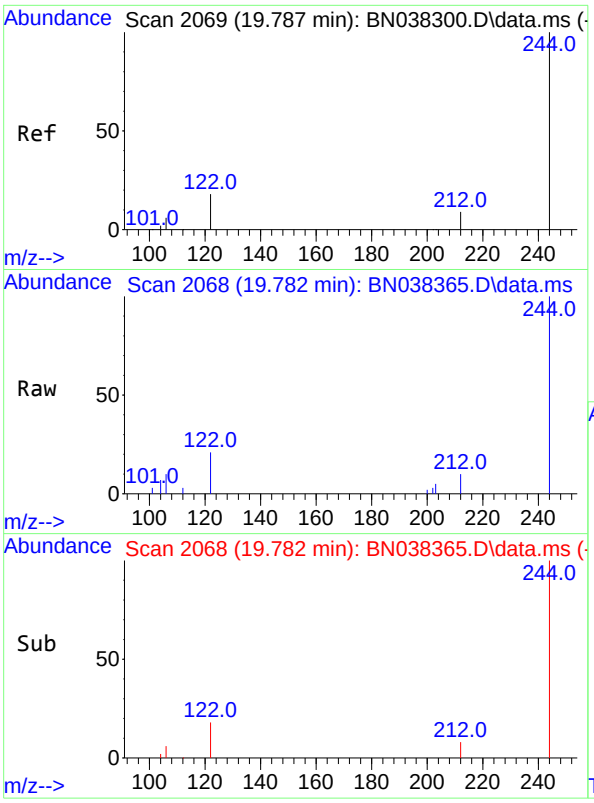


#30
Pyrene
Concen: 0.562 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:202 Resp: 23593

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	19.3	14.2	21.2



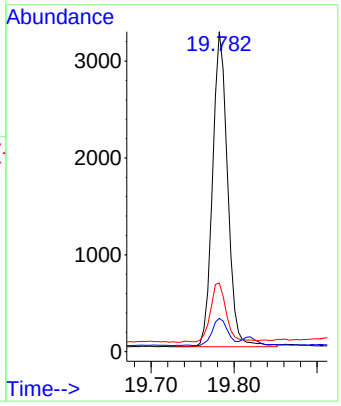


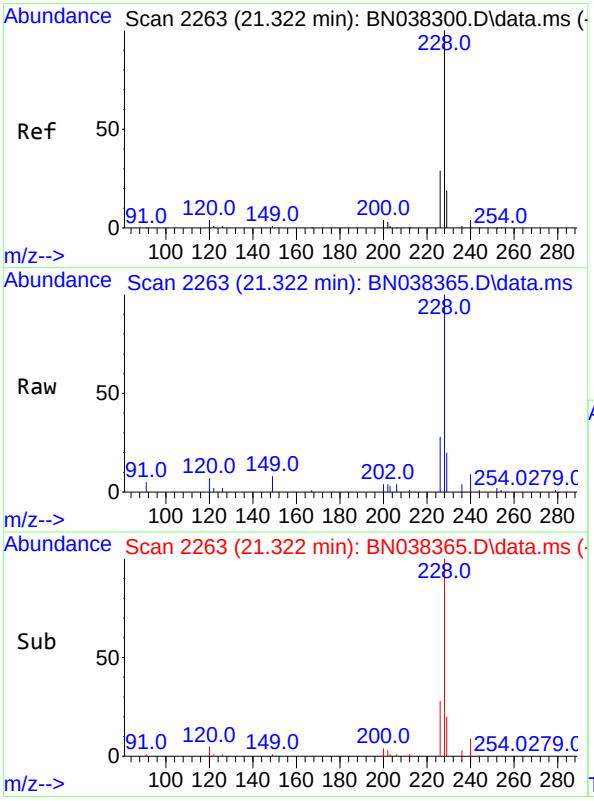
#31
Terphenyl-d14
Concen: 0.215 ng
RT: 19.782 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:244 Resp: 4088

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	21.4	15.0	22.6

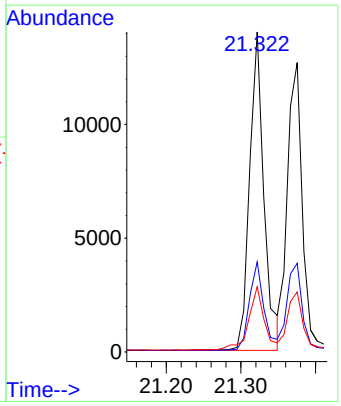


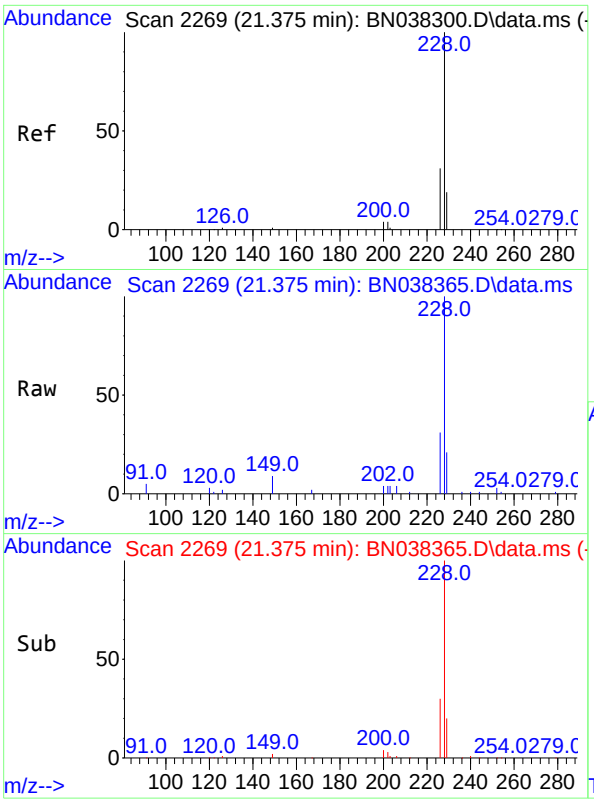


#32
Benzo(a)anthracene
Concen: 0.570 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:228 Resp: 18765

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.3	34.9
229	20.4	15.7	23.5



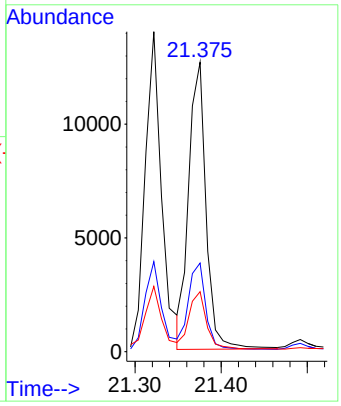


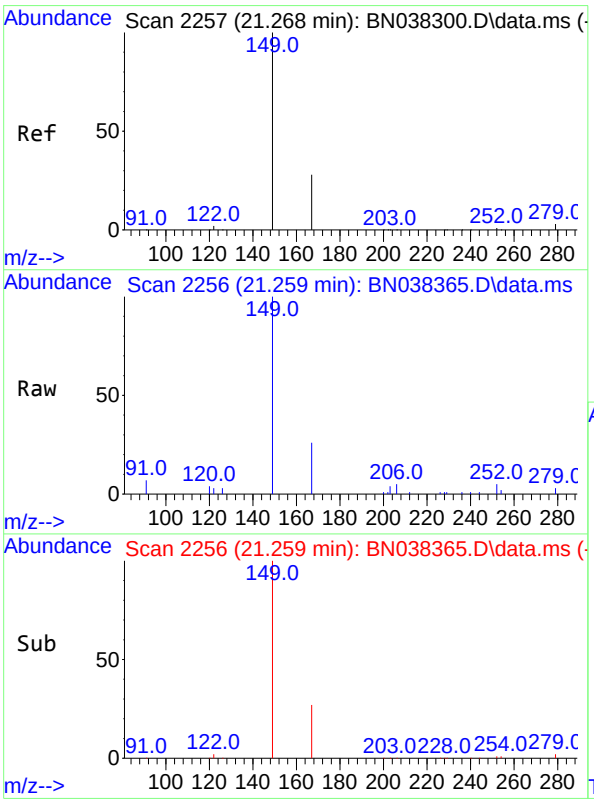
#33
Chrysene
Concen: 0.489 ng
RT: 21.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:228 Resp: 17753

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	20.7	15.5	23.3

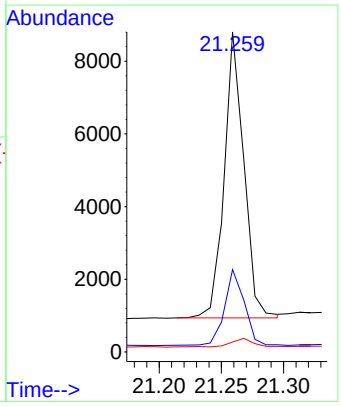


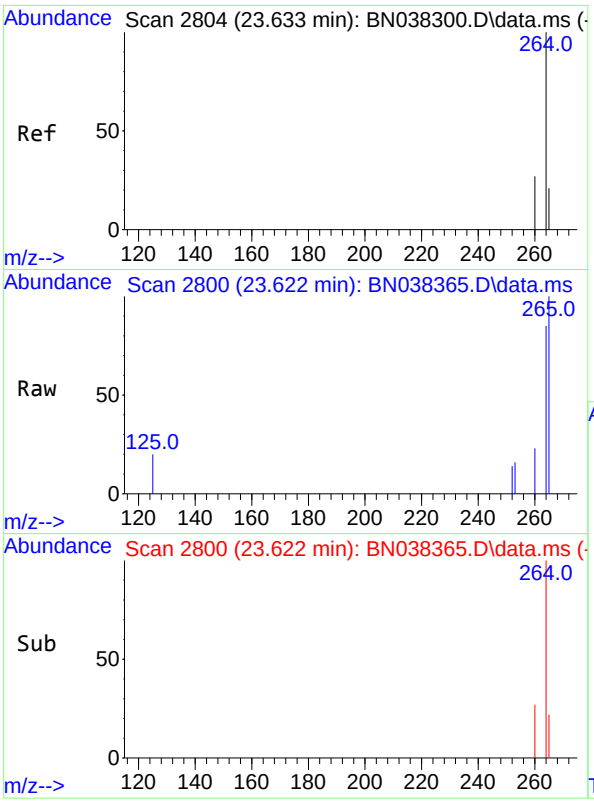


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.477 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:149 Resp: 8613

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	3.4	2.4	3.6



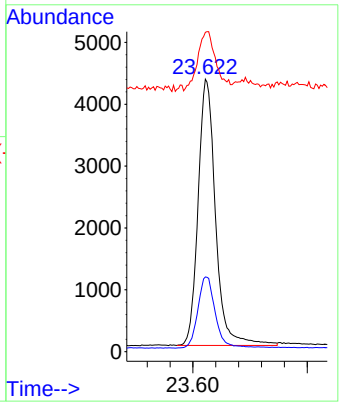


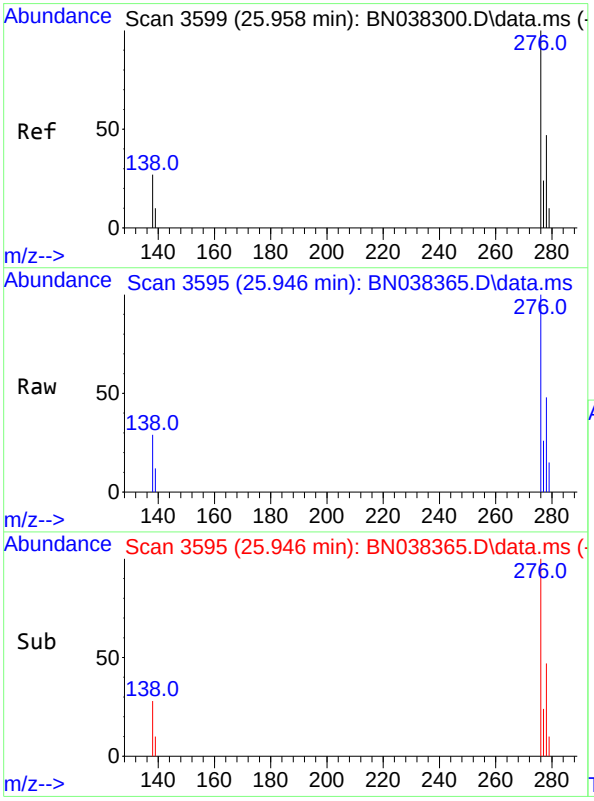
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:264 Resp: 9122

Ion	Ratio	Lower	Upper
264	100		
260	27.4	22.2	33.2
265	117.2	80.2	120.2

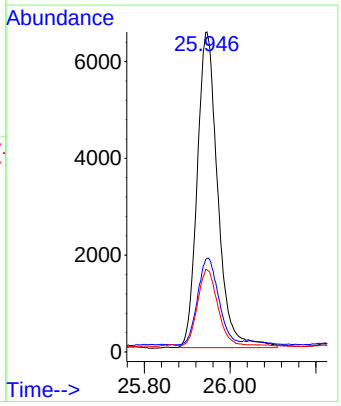


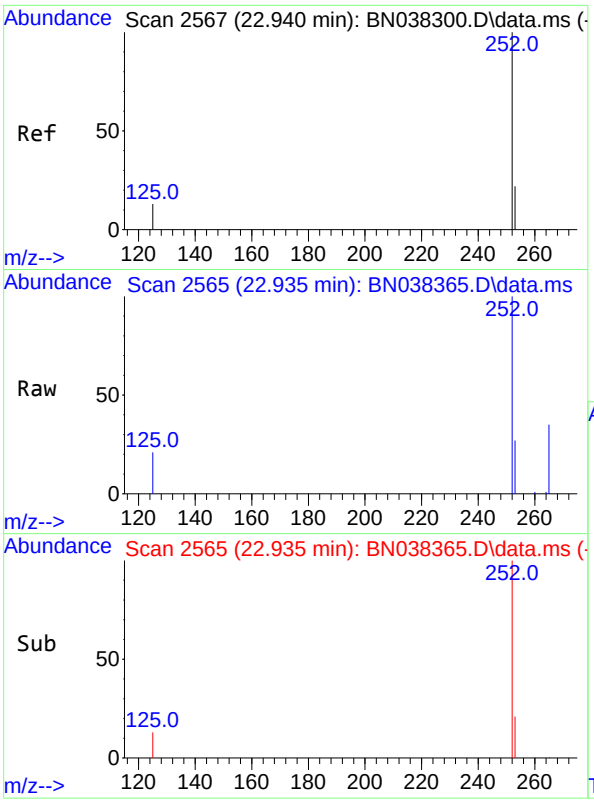


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.447 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.017 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:276 Resp: 21623

Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.6	35.4
277	23.7	19.7	29.5



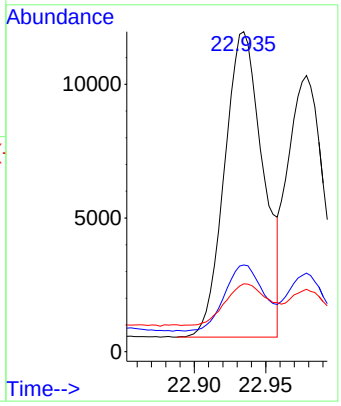


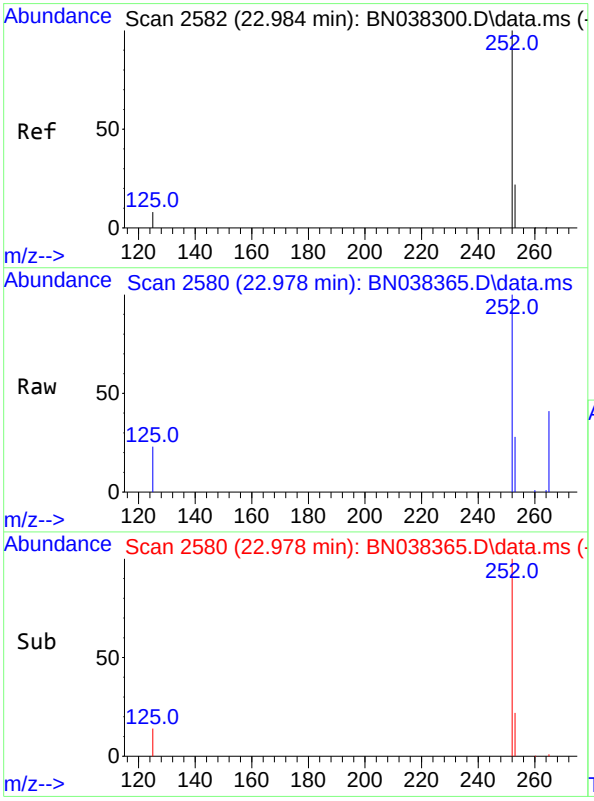
#37
Benzo(b)fluoranthene
Concen: 0.510 ng
RT: 22.935 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:252 Resp: 21368

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.1	31.7
125	21.2	16.4	24.6

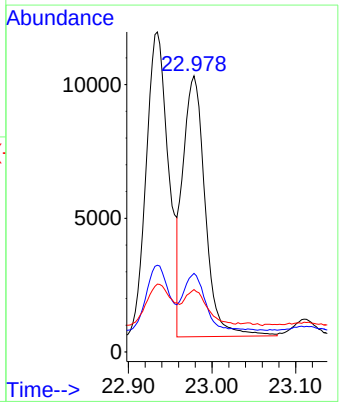


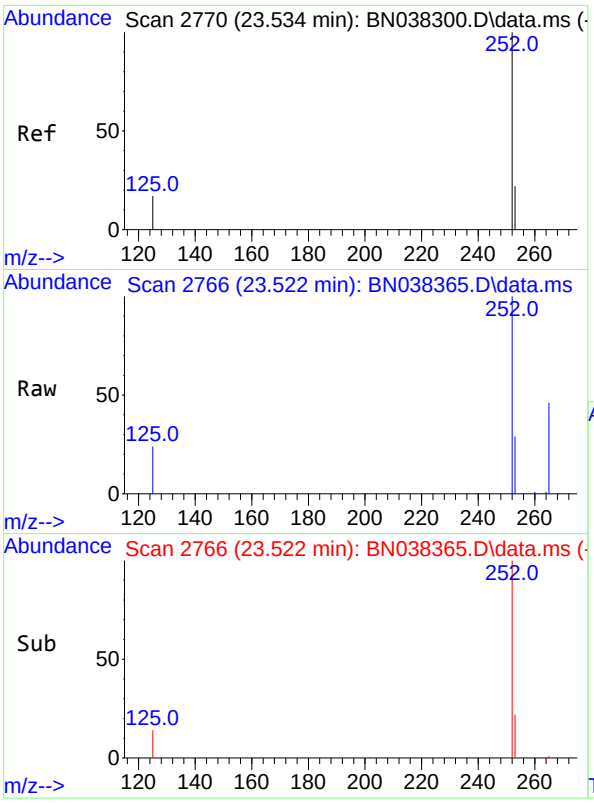


#38
Benzo(k)fluoranthene
Concen: 0.432 ng
RT: 22.978 min Scan# 2580
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:252 Resp: 18045

Ion	Ratio	Lower	Upper
252	100		
253	28.4	21.4	32.0
125	22.6	16.2	24.2



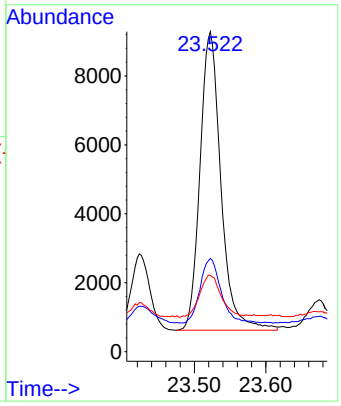


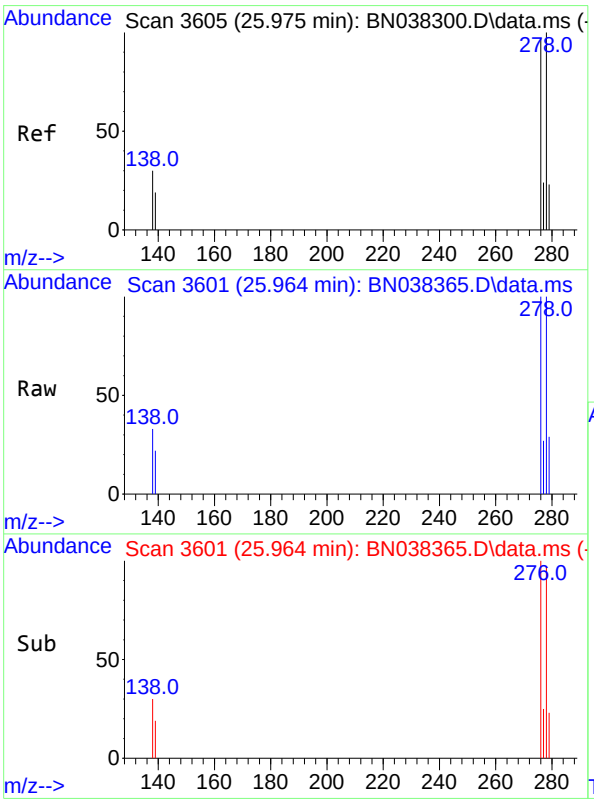
#39
Benzo(a)pyrene
Concen: 0.515 ng
RT: 23.522 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:252 Resp: 17659

Ion	Ratio	Lower	Upper
252	100		
253	29.1	23.3	34.9
125	23.8	22.4	33.6

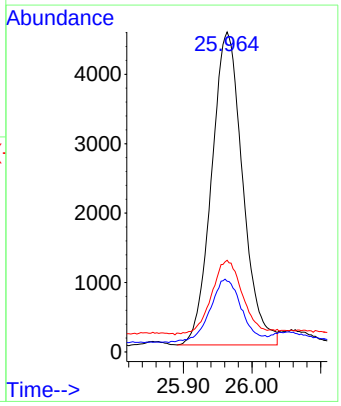


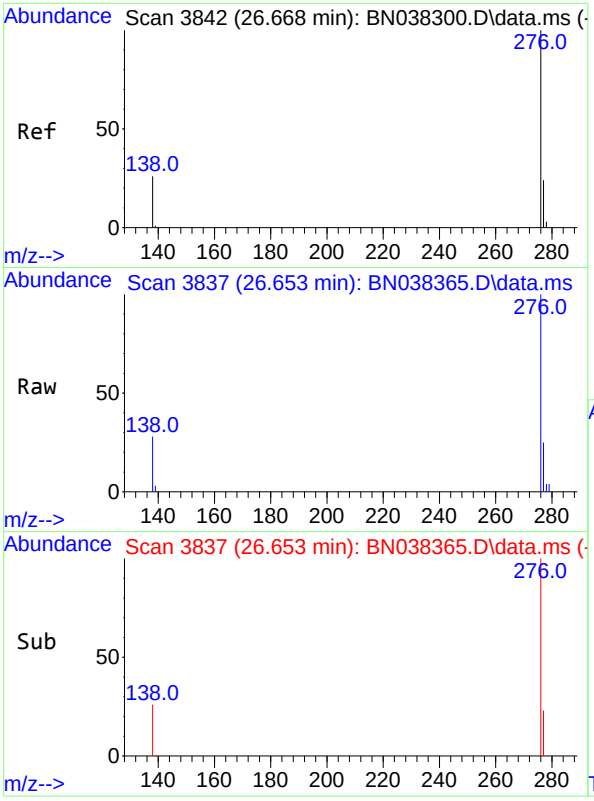


#40
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 25.964 min Scan# 3601
Delta R.T. -0.017 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Tgt Ion:278 Resp: 14176

Ion	Ratio	Lower	Upper
278	100		
139	22.1	17.8	26.8
279	28.7	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.451 ng
RT: 26.653 min Scan# 3
Delta R.T. -0.023 min
Lab File: BN038365.D
Acq: 13 Dec 2025 00:37

Instrument :
BNA_N
ClientSampleId :
C0AM6MS

Tgt Ion:276 Resp: 18812

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.0	30.0
138	27.9	21.8	32.6