Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038416.D
Acq On : 15 Dec 2025 22:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 16 00:13:31 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	7.717	152	5169	0.400	ng		0.00
7) Naphthalene-d8	10.520	136	13742	0.400	ng		-0.01
13) Acenaphthene-d10	14.388	164	7158	0.400	ng		-0.01
19) Phenanthrene-d10	17.136	188	13090	0.400	ng		#-0.01
29) Chrysene-d12	21.331	240	10295	0.400	ng		0.00
35) Perylene-d12	23.619	264	10751	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.283	112	4810	0.374	ng		0.00
5) Phenol-d6	6.879	99	5658	0.370	ng		0.00
8) Nitrobenzene-d5	8.865	82	4338	0.374	ng		-0.01
11) 2-Methylnaphthalene-d10	12.116	152	7374	0.380	ng		-0.01
14) 2,4,6-Tribromophenol	15.883	330	1183	0.373	ng		-0.01
15) 2-Fluorobiphenyl	13.003	172	16068	0.466	ng		0.00
27) Fluoranthene-d10	19.174	212	12271	0.379	ng		-0.01
31) Terphenyl-d14	19.778	244	8534	0.371	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.189	88	2313	0.390	ng		97
3) n-Nitrosodimethylamine	3.507	42	2751	0.370	ng		99
6) bis(2-Chloroethyl)ether	7.132	93	5649	0.377	ng		98
9) Naphthalene	10.562	128	15533	0.382	ng		100
10) Hexachlorobutadiene	10.861	225	2795	0.387	ng	#	100
12) 2-Methylnaphthalene	12.187	142	9802	0.380	ng		99
16) Acenaphthylene	14.099	152	13080	0.372	ng		99
17) Acenaphthene	14.441	154	9043	0.369	ng		98
18) Fluorene	15.435	166	11830	0.375	ng		99
20) 4,6-Dinitro-2-methylph...	15.523	198	466	0.216	ng	#	76
21) 4-Bromophenyl-phenylether	16.329	248	3619	0.373	ng	#	89
22) Hexachlorobenzene	16.453	284	4436	0.380	ng		99
23) Atrazine	16.602	200	2338	0.353	ng	#	94
24) Pentachlorophenol	16.789	266	1703	0.374	ng		100
25) Phenanthrene	17.173	178	17047	0.374	ng		99
26) Anthracene	17.273	178	14455	0.368	ng		100
28) Fluoranthene	19.206	202	18842	0.389	ng		100
30) Pyrene	19.568	202	19012	0.375	ng		99
32) Benzo(a)anthracene	21.313	228	15154	0.381	ng		99
33) Chrysene	21.366	228	17262	0.394	ng		99
34) Bis(2-ethylhexyl)phtha...	21.259	149	8627	0.395	ng		100
36) Indeno(1,2,3-cd)pyrene	25.937	276	22682	0.398	ng		100
37) Benzo(b)fluoranthene	22.929	252	18726	0.379	ng		99
38) Benzo(k)fluoranthene	22.973	252	18718	0.380	ng		98
39) Benzo(a)pyrene	23.516	252	15744	0.390	ng		97
40) Dibenzo(a,h)anthracene	25.955	278	17470	0.397	ng		100
41) Benzo(g,h,i)perylene	26.642	276	19096	0.388	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038416.D
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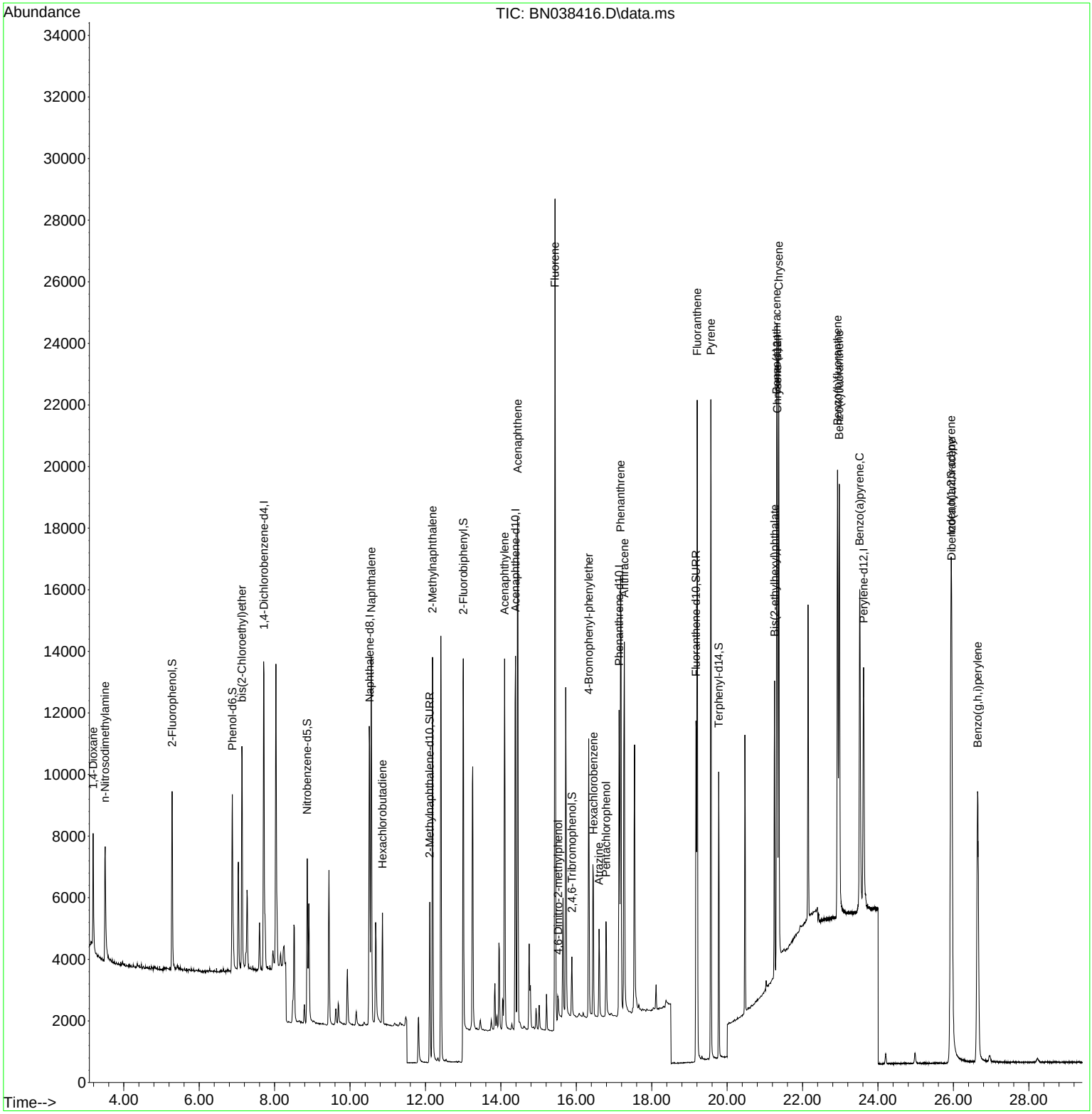
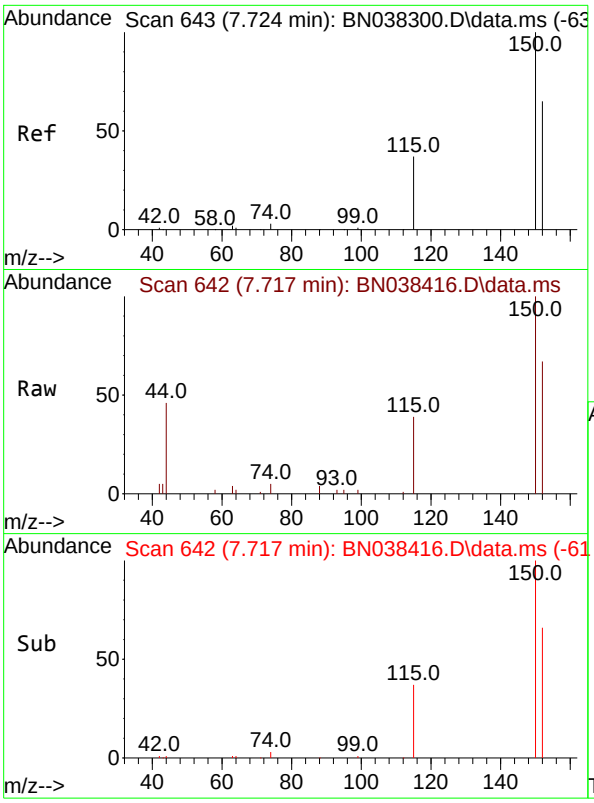
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 16 00:13:31 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



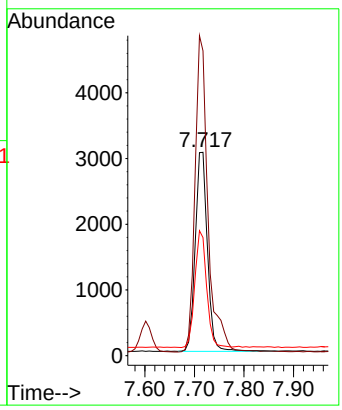


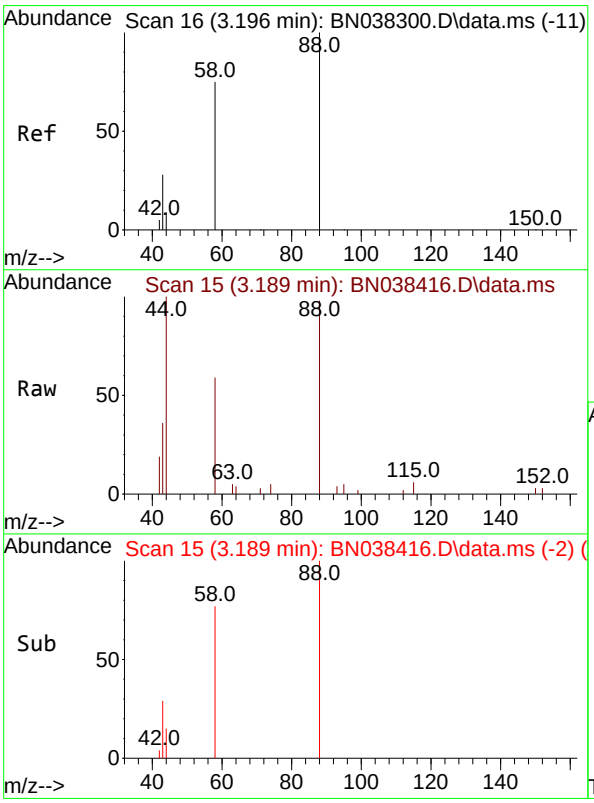
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5169

Ion	Ratio	Lower	Upper
152	100		
150	149.8	122.4	183.6
115	58.1	47.3	70.9

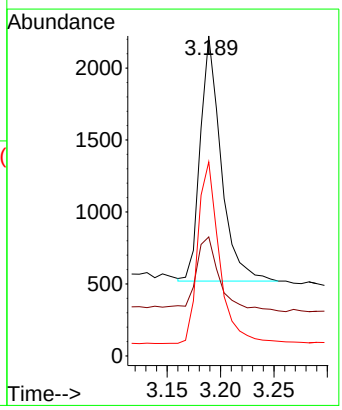


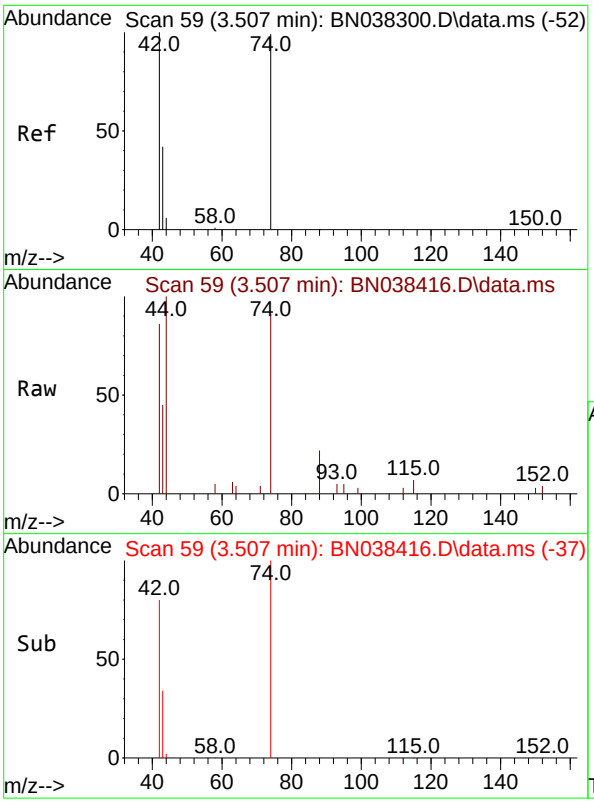


#2
1,4-Dioxane
Concen: 0.390 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion: 88 Resp: 2313

Ion	Ratio	Lower	Upper
88	100		
43	35.4	24.9	37.3
58	77.3	61.4	92.0



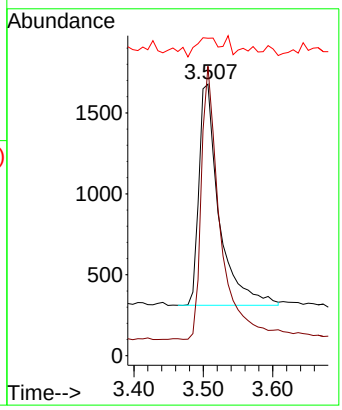


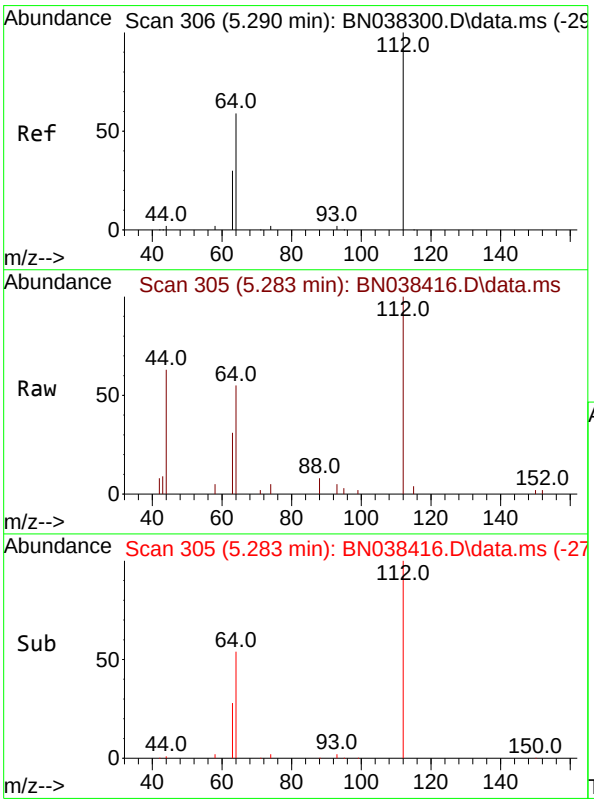
#3
n-Nitrosodimethylamine
Concen: 0.370 ng
RT: 3.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2751

Ion	Ratio	Lower	Upper
42	100		
74	117.5	95.3	142.9
44	9.7	7.9	11.9

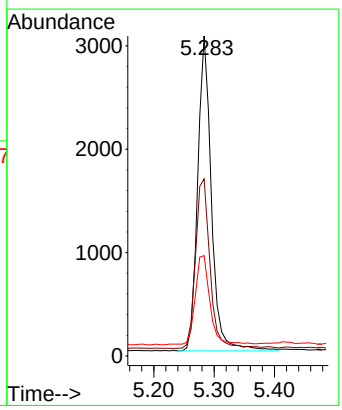


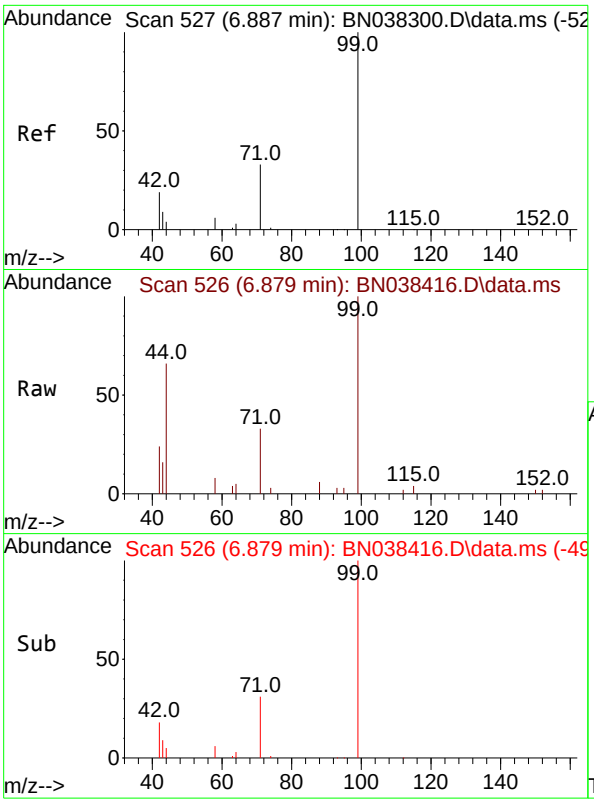


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:112 Resp: 4810

Ion	Ratio	Lower	Upper
112	100		
64	56.8	44.4	66.6
63	30.5	23.4	35.0



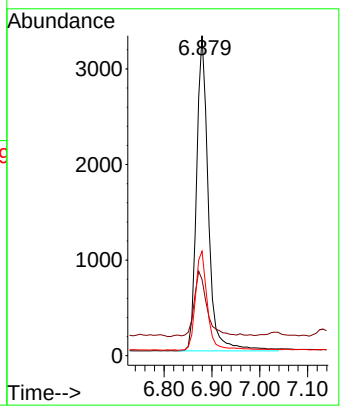


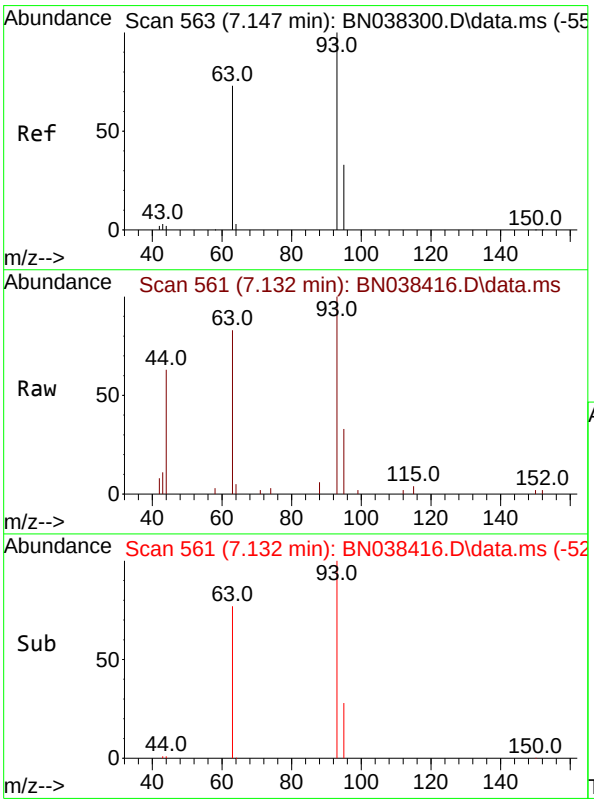
#5
Phenol-d6
Concen: 0.370 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5658

Ion	Ratio	Lower	Upper
99	100		
42	22.6	16.5	24.7
71	31.7	24.9	37.3

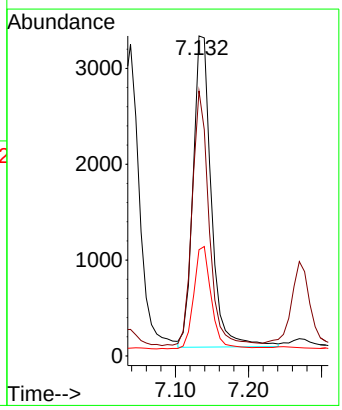


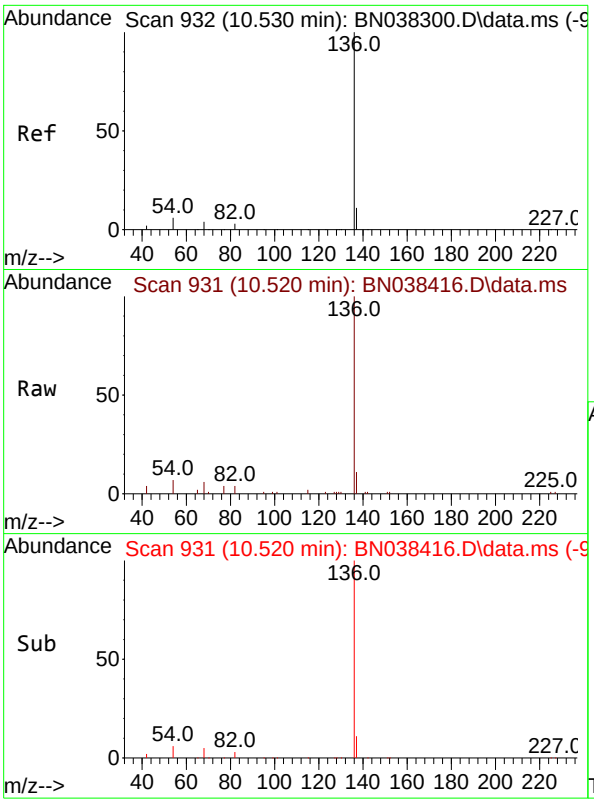


#6
bis(2-Chloroethyl)ether
Concen: 0.377 ng
RT: 7.132 min Scan# 561
Delta R.T. -0.014 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion: 93 Resp: 5649

Ion	Ratio	Lower	Upper
93	100		
63	75.8	59.2	88.8
95	31.8	25.2	37.8



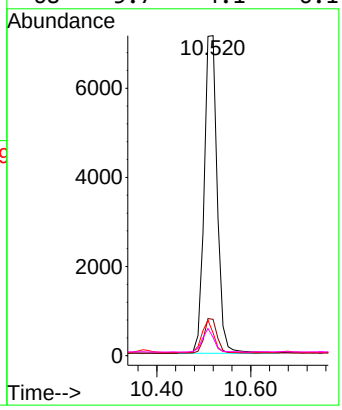


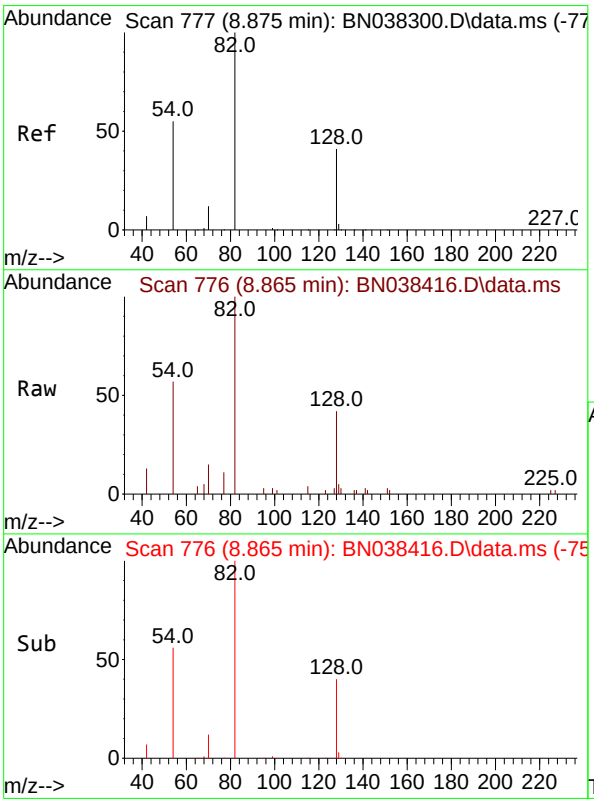
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13742

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.1	5.2	7.8
68	5.7	4.1	6.1

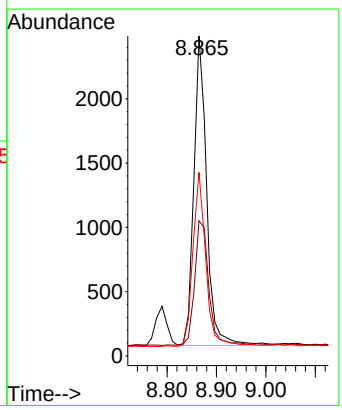


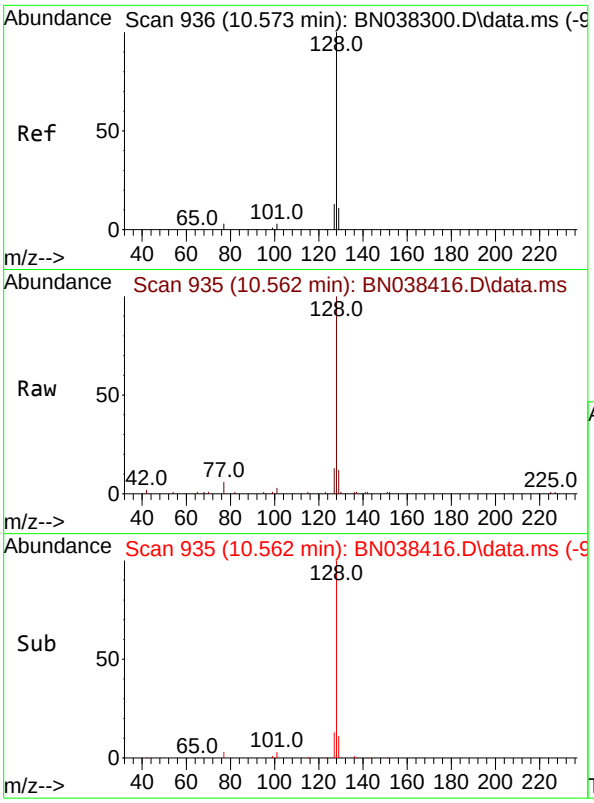


#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion: 82 Resp: 4338

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	57.3	44.4	66.6



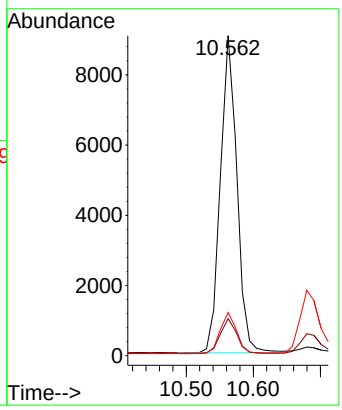


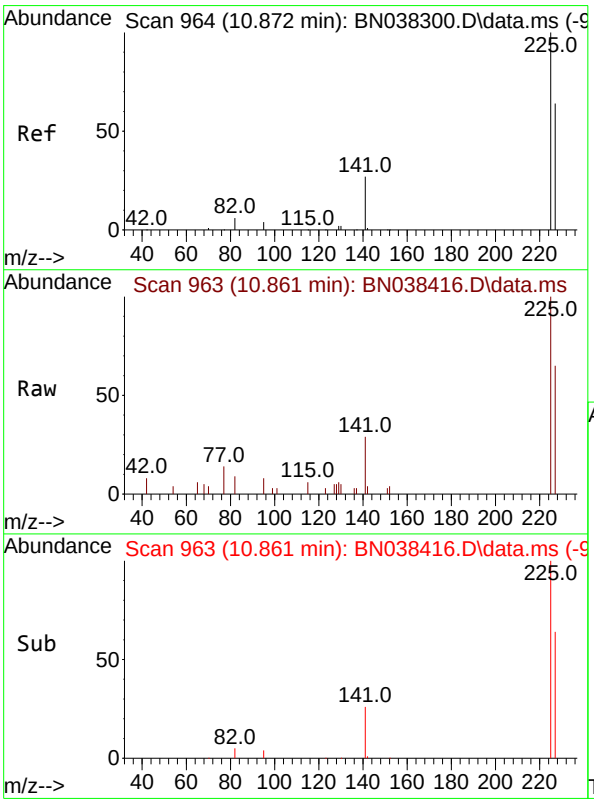
#9
Naphthalene
Concen: 0.382 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 15533

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.5	10.9	16.3

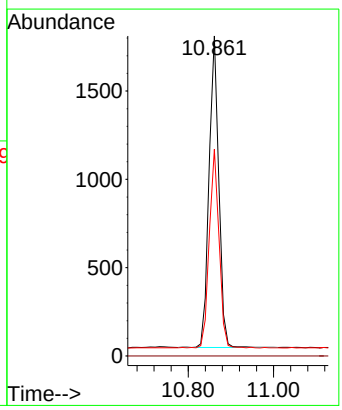


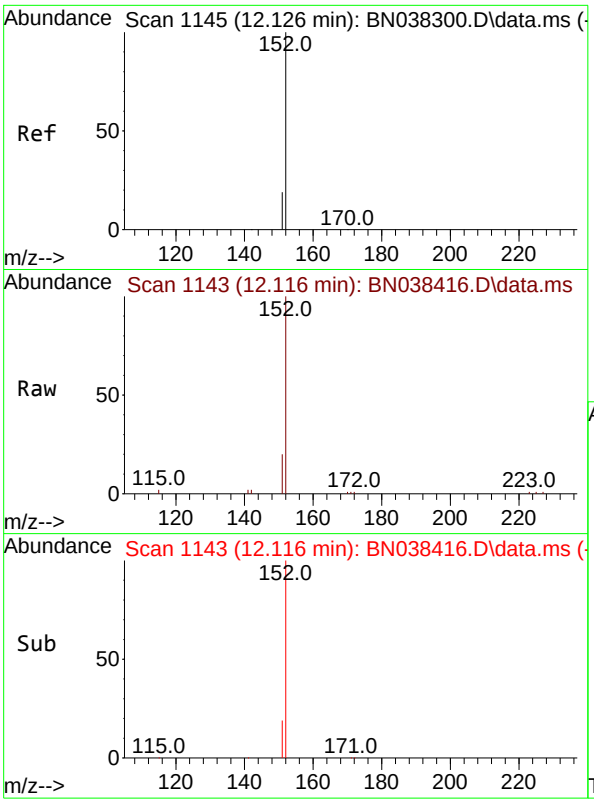


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:225 Resp: 2795

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.2	76.8



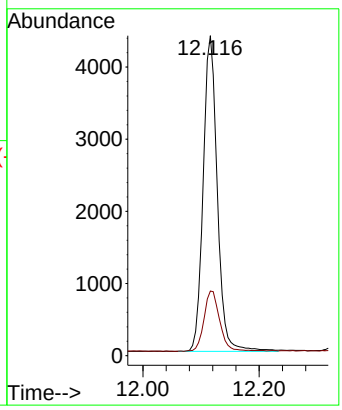


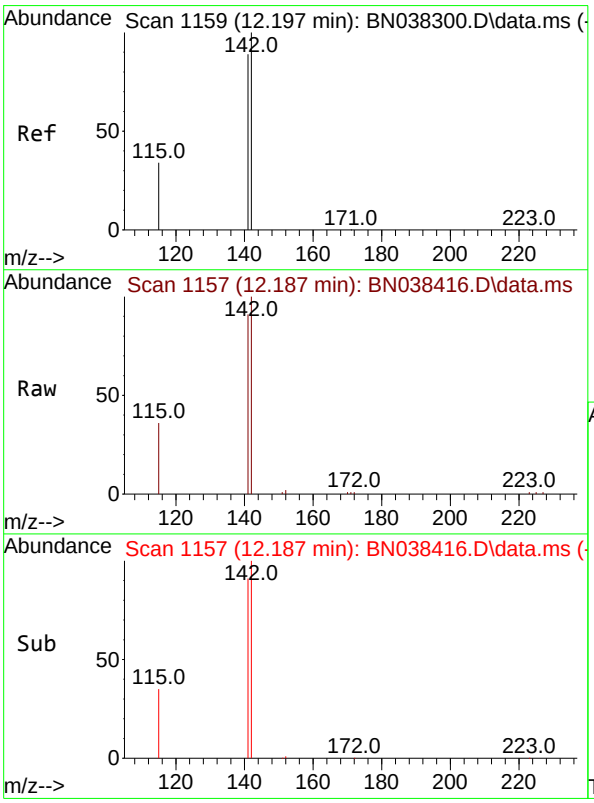
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.116 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7374

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

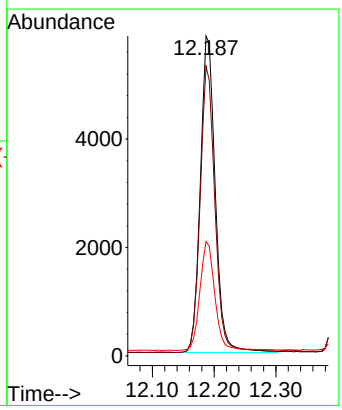


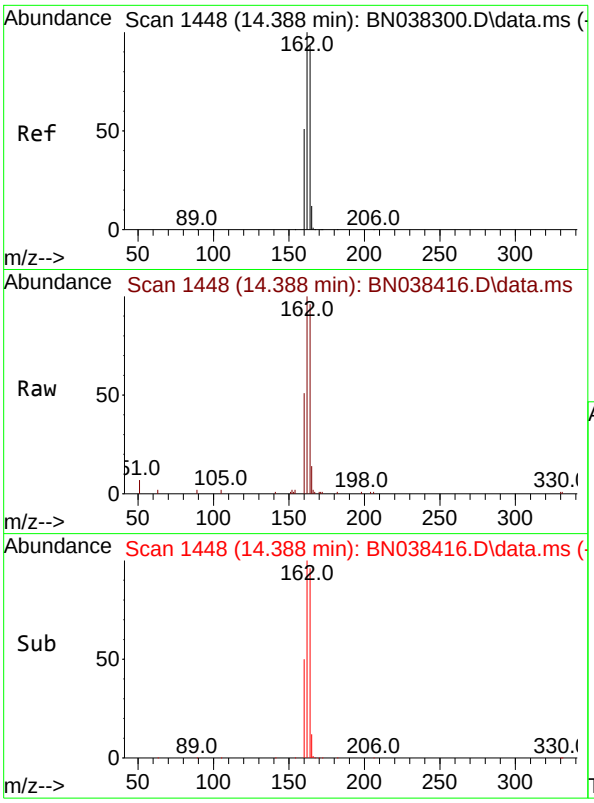


#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:142 Resp: 9802

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.4	107.2
115	35.8	28.4	42.6



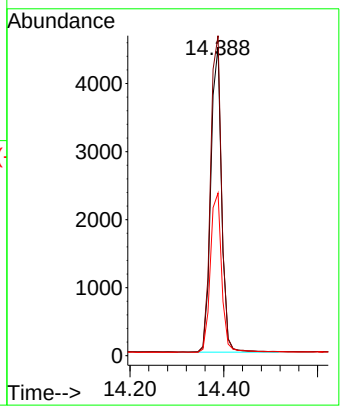


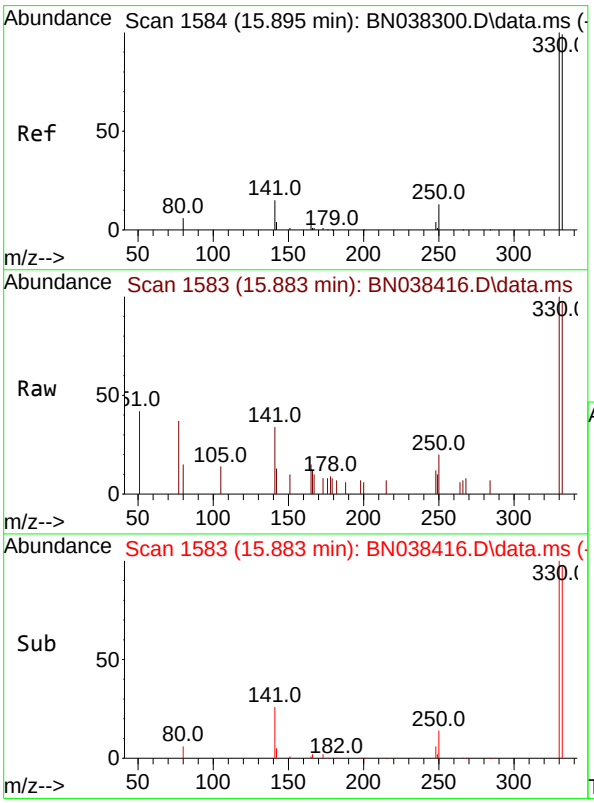
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7158

Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.2	129.4
160	52.7	44.6	67.0

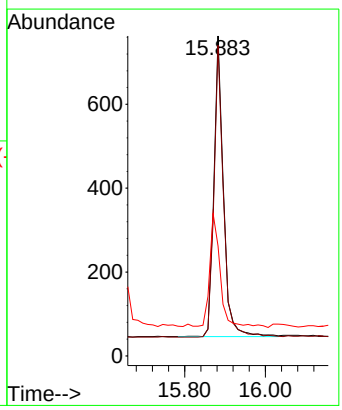


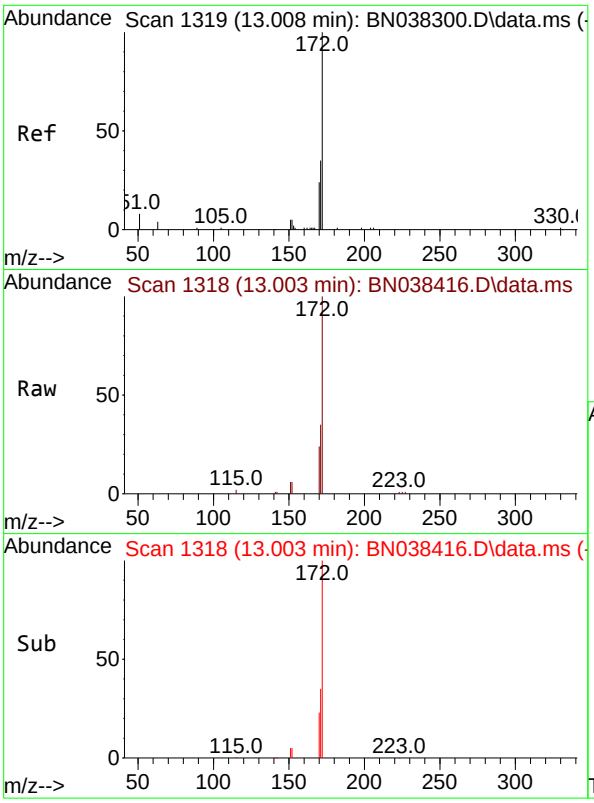


#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:330 Resp: 1183

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.8	113.6
141	41.6	31.8	47.8



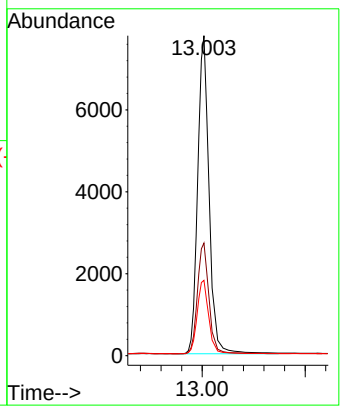


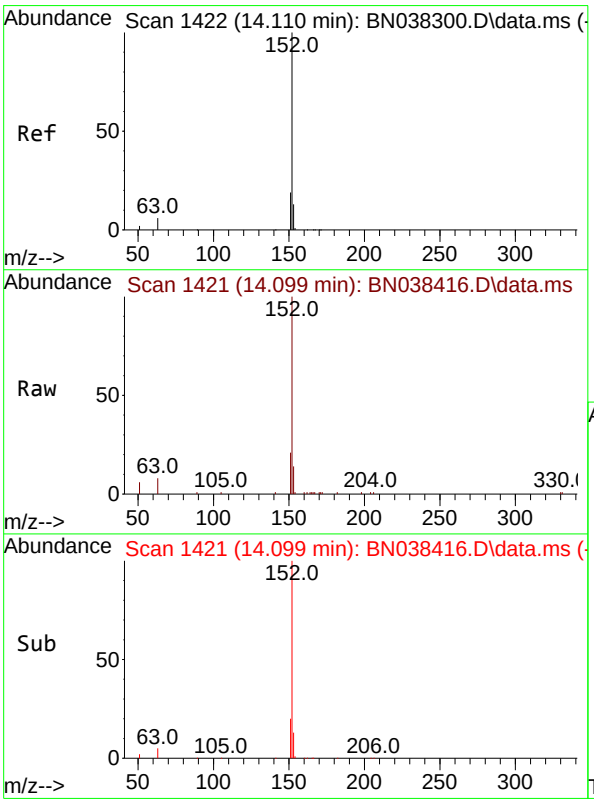
#15
2-Fluorobiphenyl
Concen: 0.466 ng
RT: 13.003 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 16068

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.6	19.3	28.9

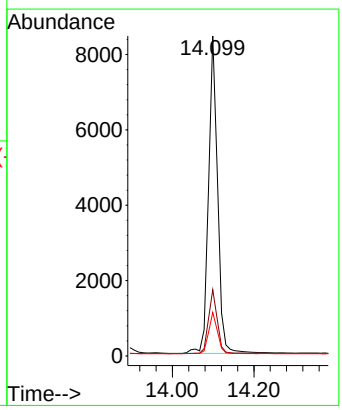


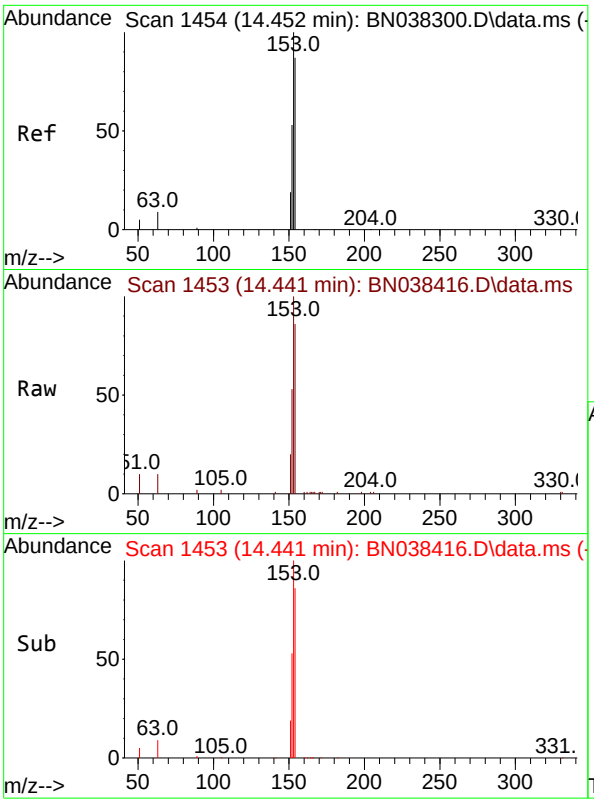


#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:152 Resp: 13080

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	12.9	10.2	15.4



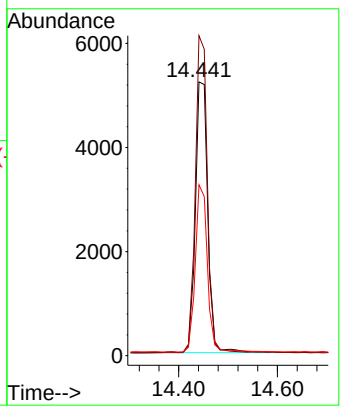


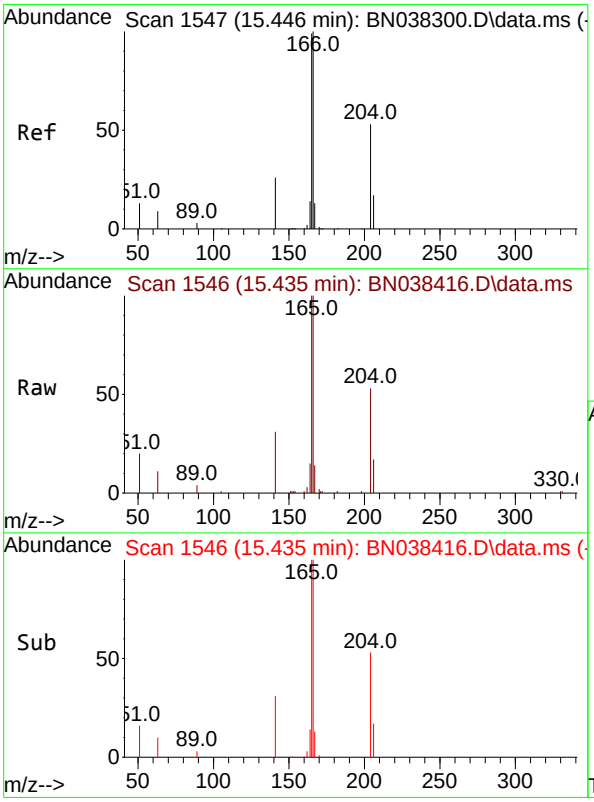
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.441 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9043

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.8	134.8
152	60.8	47.5	71.3

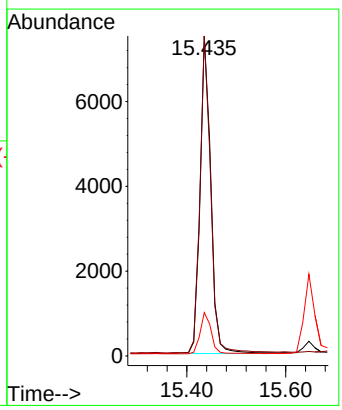


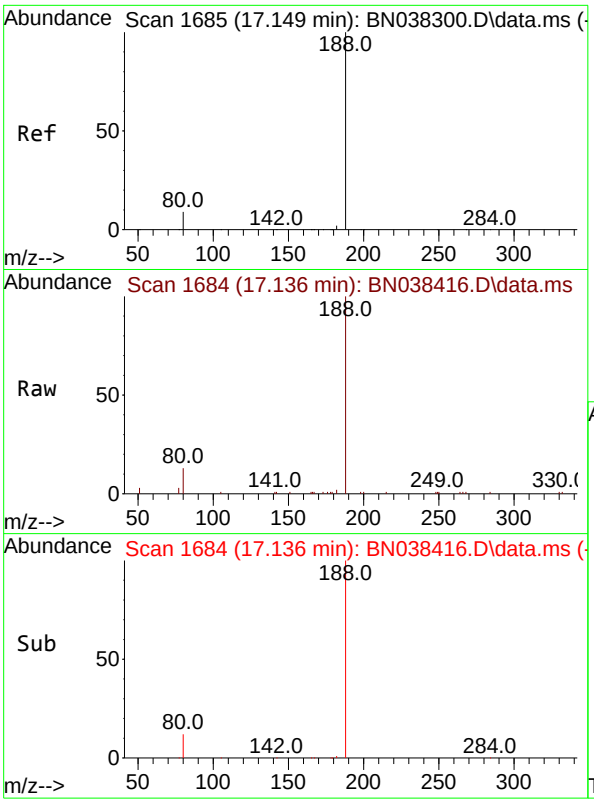


#18
Fluorene
Concen: 0.375 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:166 Resp: 11830

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.2	120.4
167	13.3	10.6	16.0



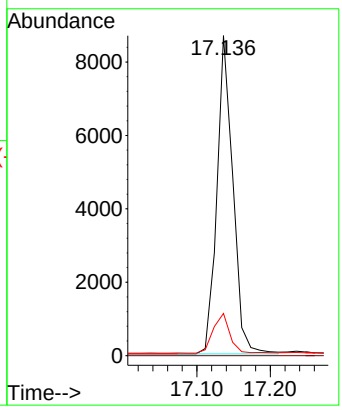


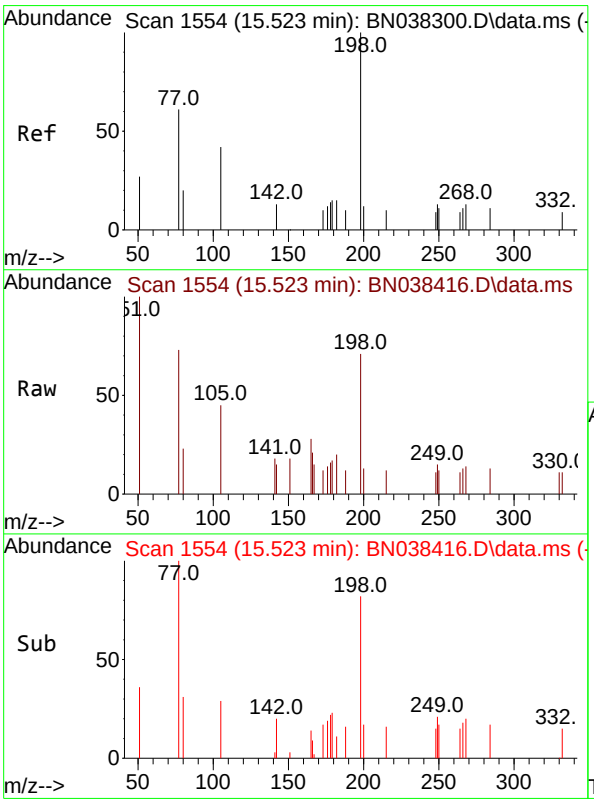
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 13090

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	7.4	11.0#

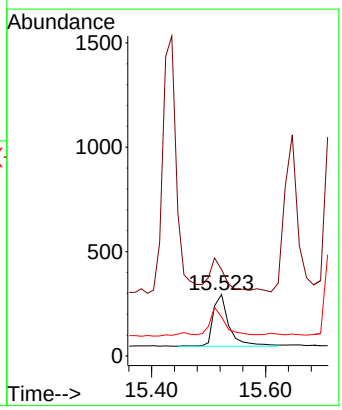


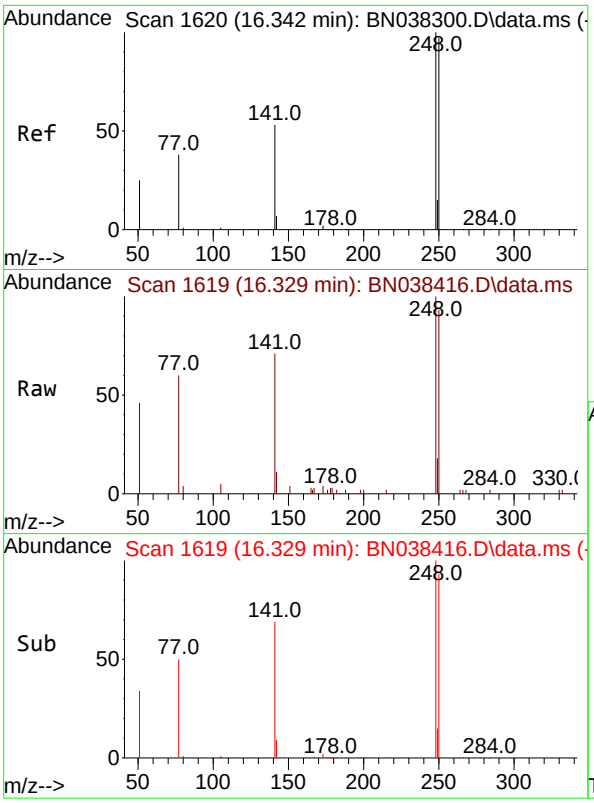


#20
4,6-Dinitro-2-methylphenol
Concen: 0.216 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.001 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:198 Resp: 466

Ion	Ratio	Lower	Upper
198	100		
51	140.8	86.3	129.5#
105	63.6	45.3	67.9



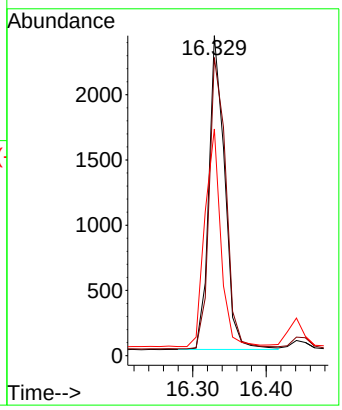


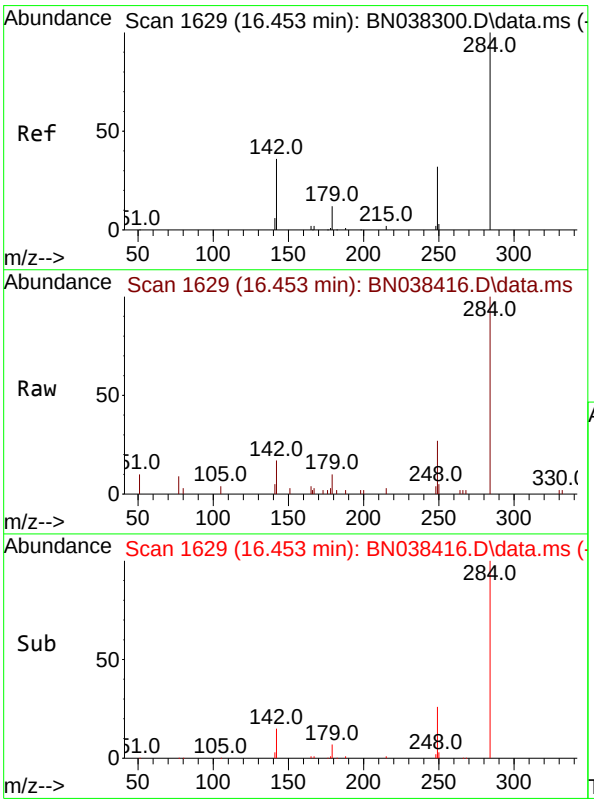
#21
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.329 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3619

Ion	Ratio	Lower	Upper
248	100		
250	93.2	78.2	117.2
141	70.9	43.7	65.5#

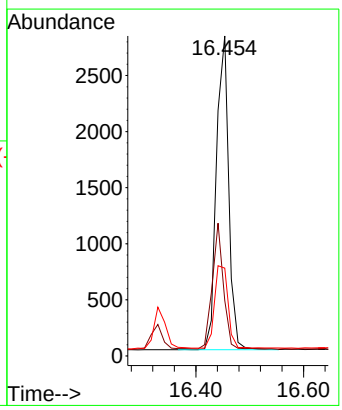


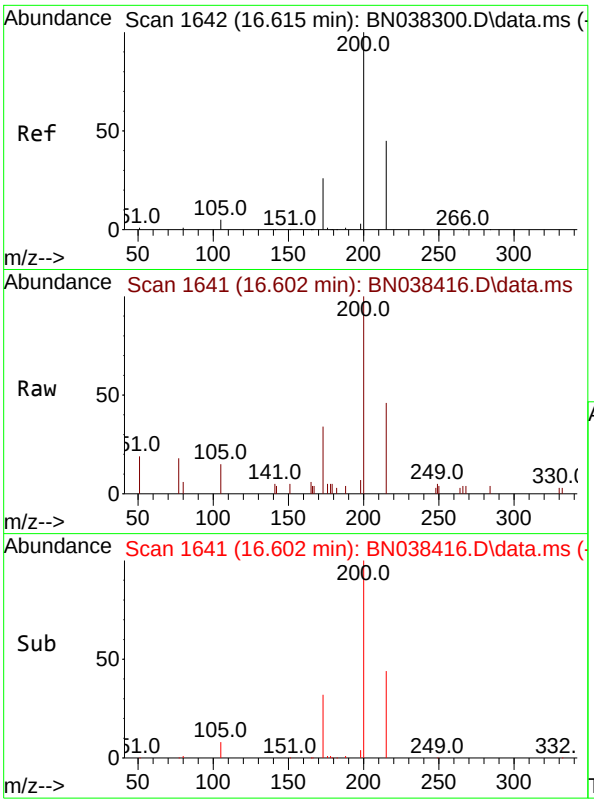


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:284 Resp: 4436

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.5	44.3
249	29.7	23.7	35.5



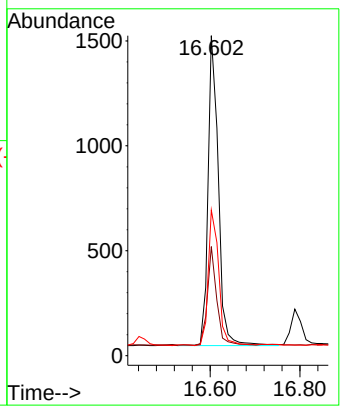


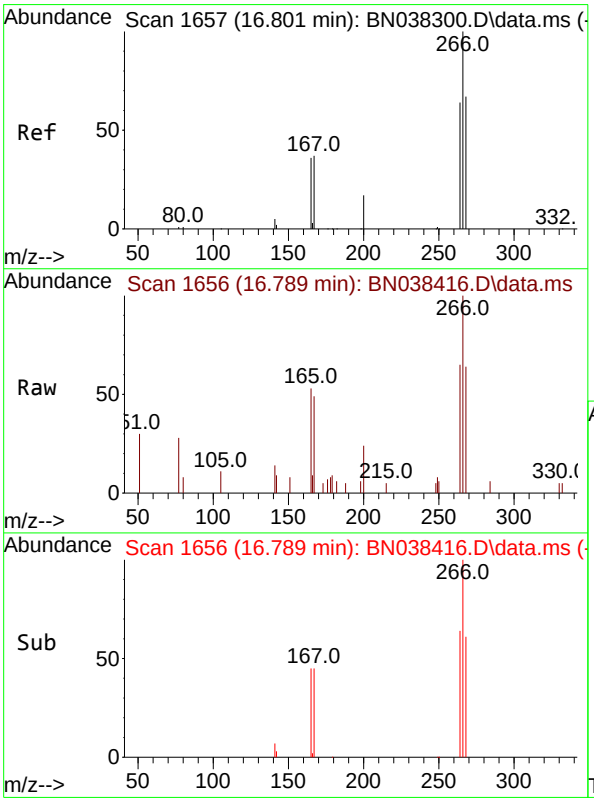
#23
Atrazine
Concen: 0.353 ng
RT: 16.602 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2338

Ion	Ratio	Lower	Upper
200	100		
173	34.1	22.1	33.1#
215	45.5	37.4	56.2

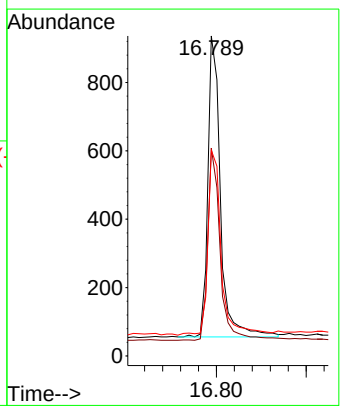


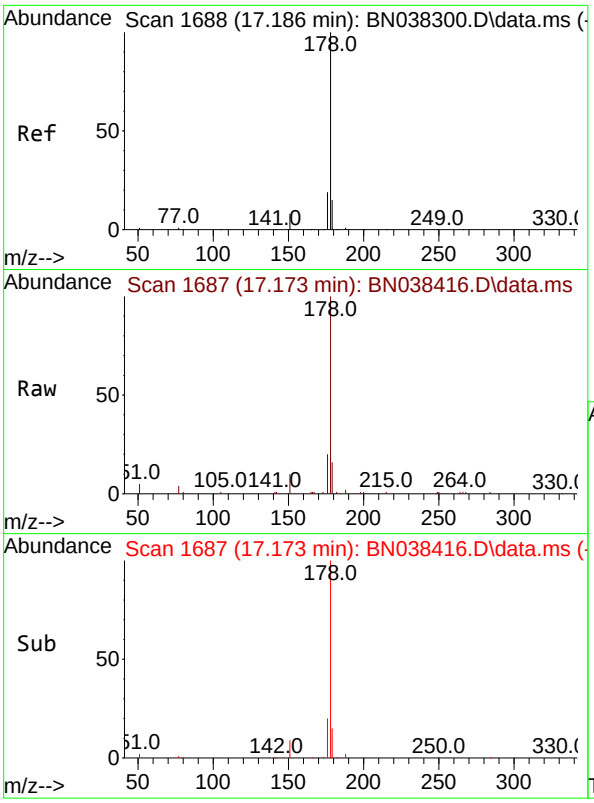


#24
Pentachlorophenol
Concen: 0.374 ng
RT: 16.789 min Scan# 1656
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:266 Resp: 1703

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.2
268	65.4	52.6	78.8



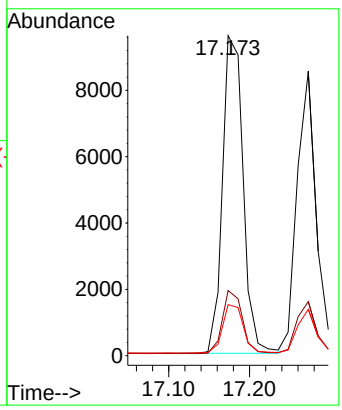


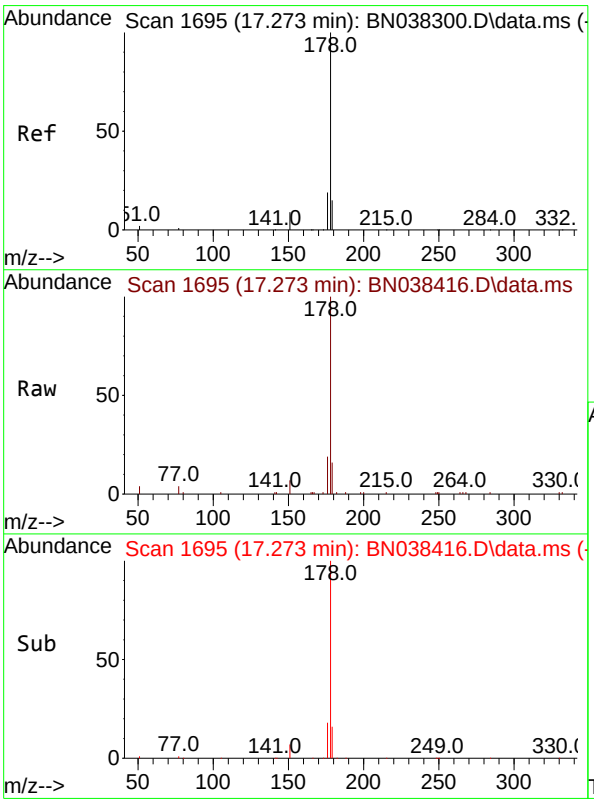
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.173 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17047

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.4	12.2	18.2

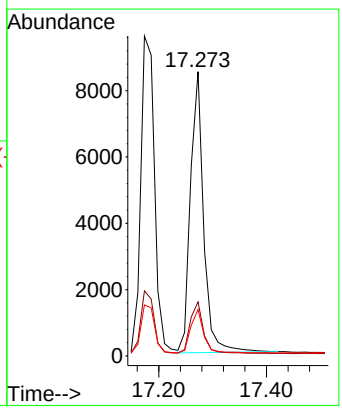


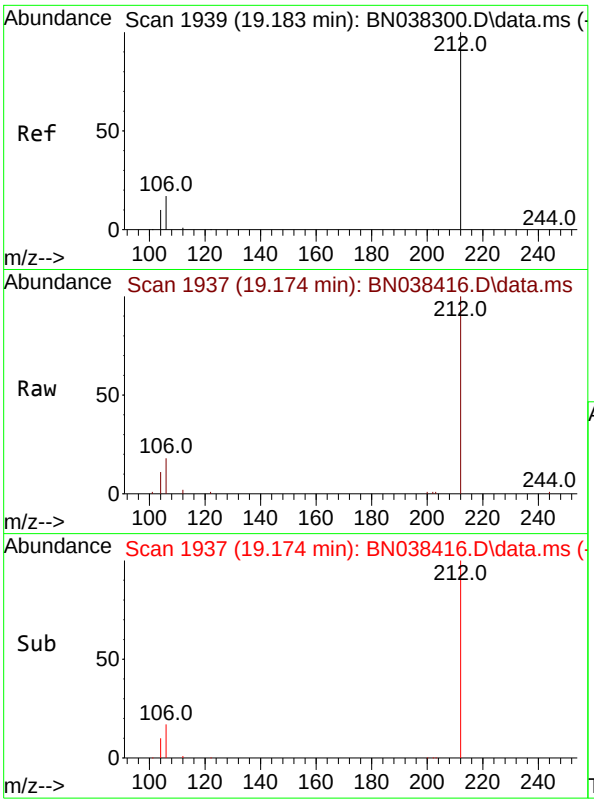


#26
Anthracene
Concen: 0.368 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:178 Resp: 14455

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



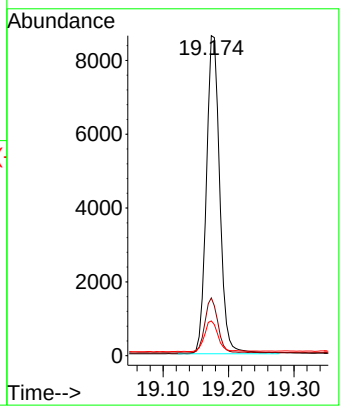


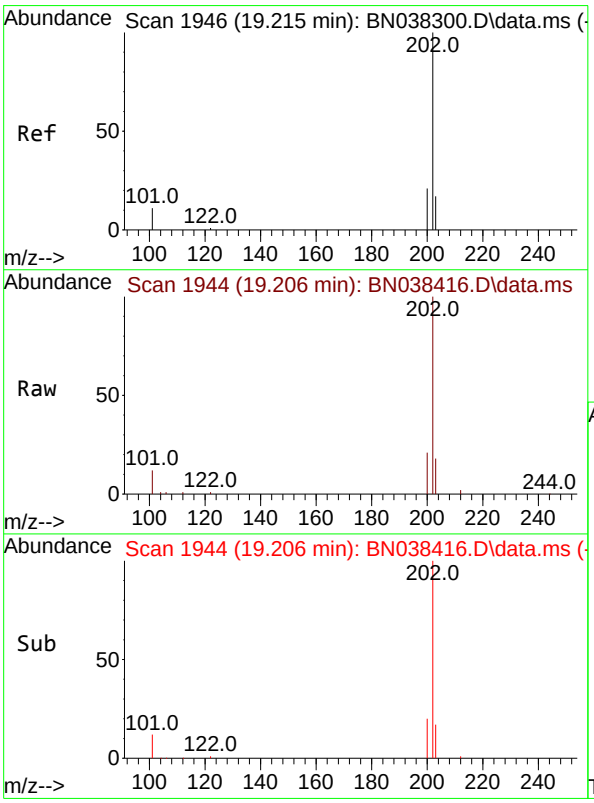
#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.174 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12271

Ion	Ratio	Lower	Upper
212	100		
106	16.9	13.7	20.5
104	9.7	7.8	11.8

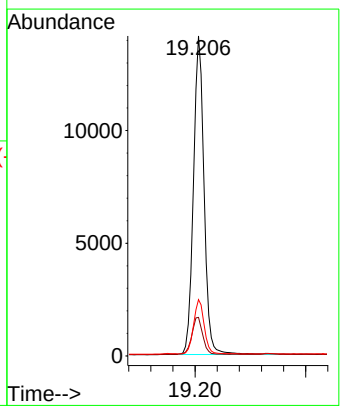


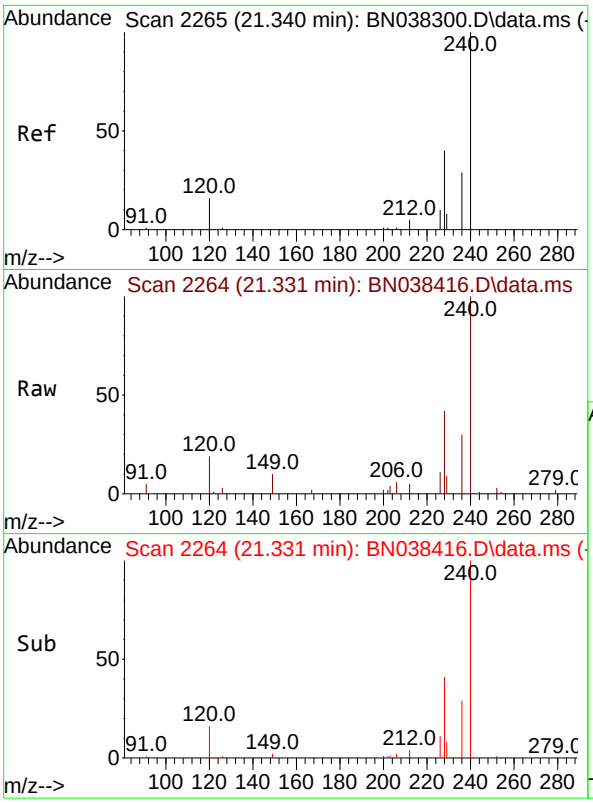


#28
Fluoranthene
Concen: 0.389 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:202 Resp: 18842

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.6	14.4
203	17.0	13.5	20.3



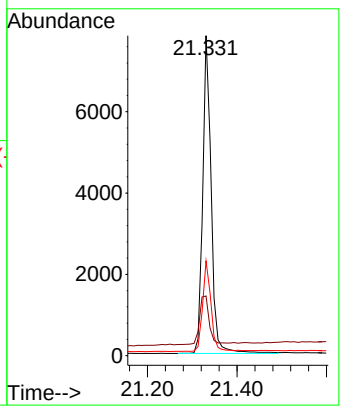


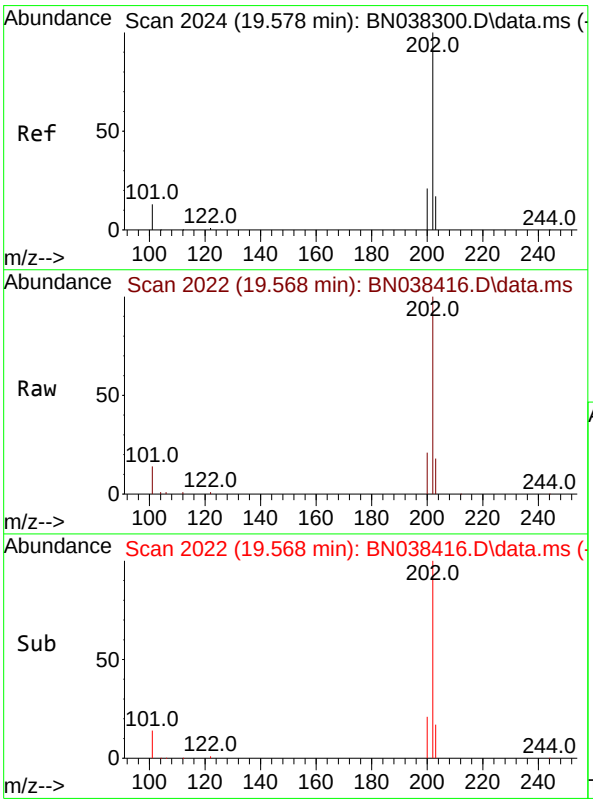
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 10295

Ion	Ratio	Lower	Upper
240	100		
120	18.7	15.4	23.2
236	29.6	23.9	35.9

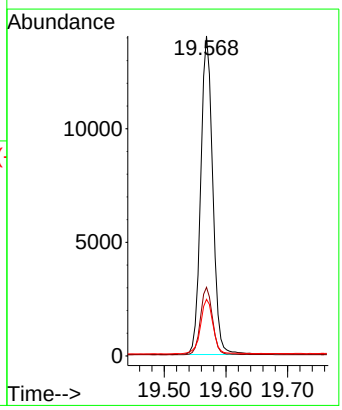


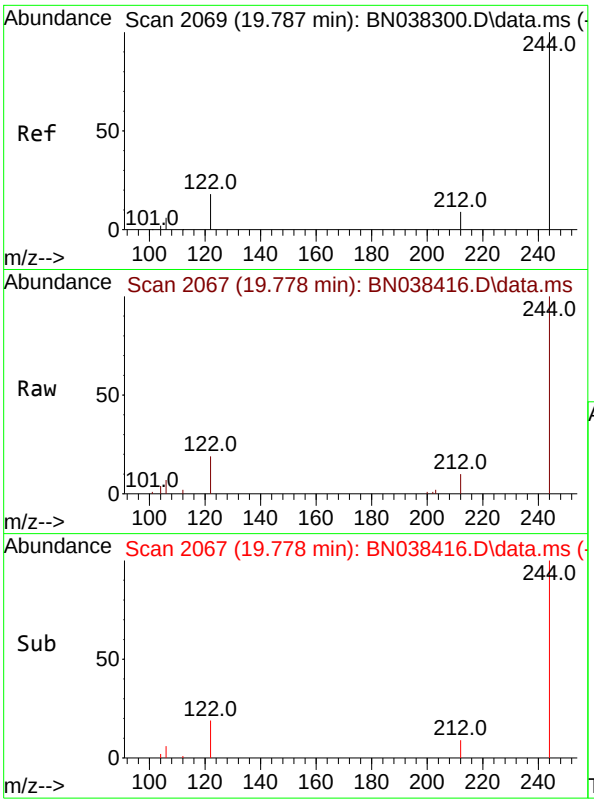


#30
Pyrene
Concen: 0.375 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:202 Resp: 19012

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.0	14.2	21.2



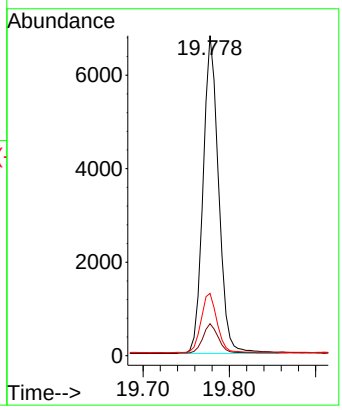


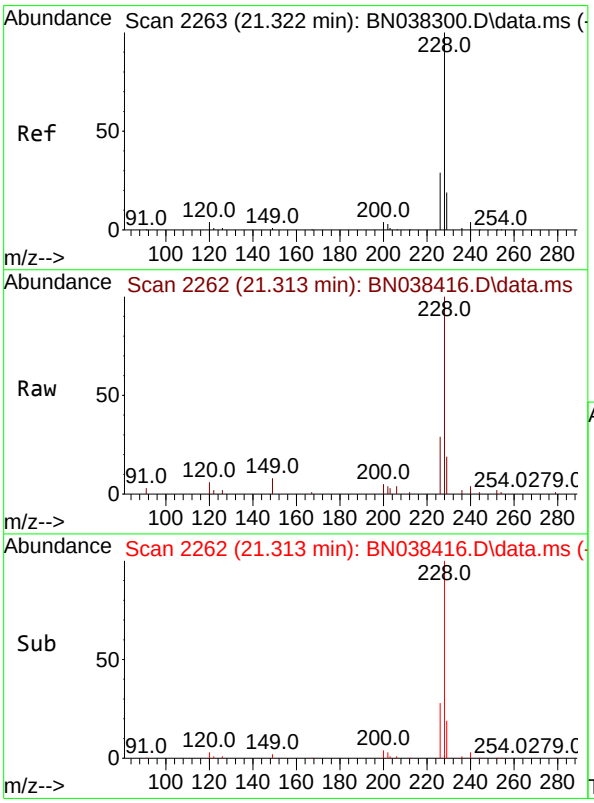
#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.778 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8534

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.9	11.9
122	19.5	15.0	22.6

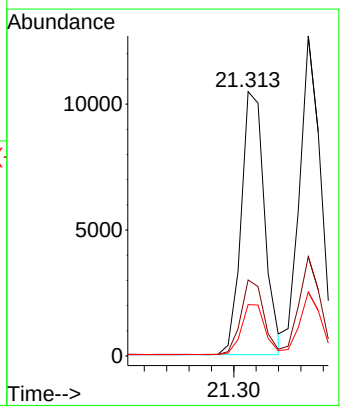


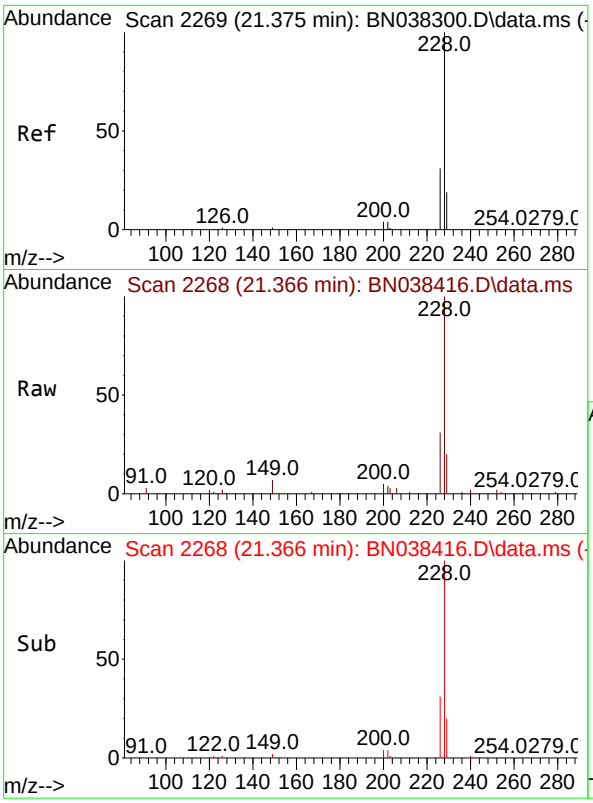


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.018 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:228 Resp: 15154

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.3	34.9
229	19.4	15.7	23.5



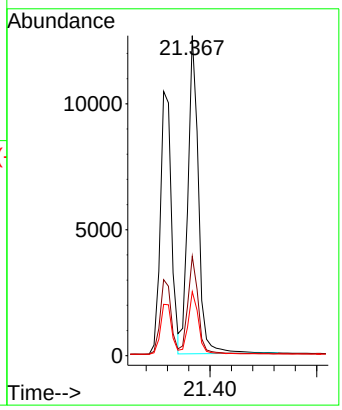


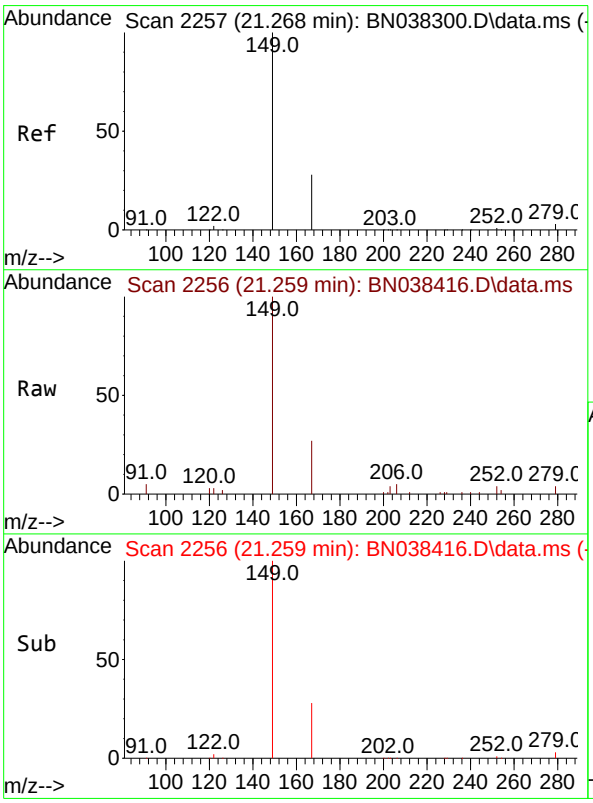
#33
Chrysene
Concen: 0.394 ng
RT: 21.366 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 17262

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.4
229	20.0	15.5	23.3

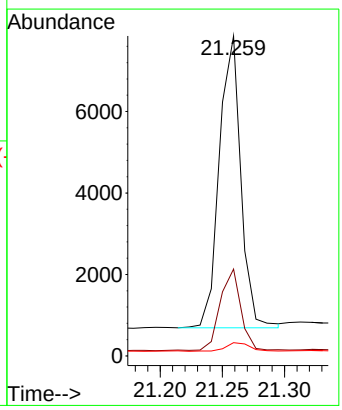


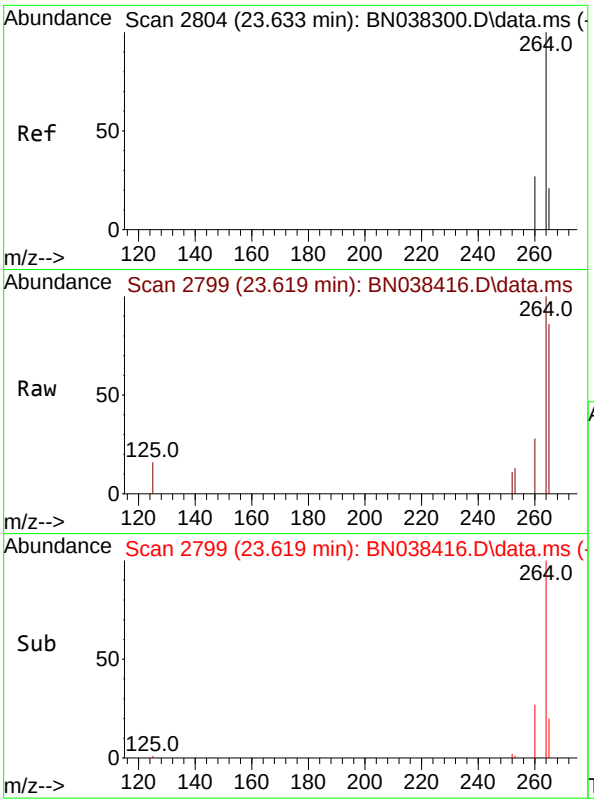


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:149 Resp: 8627

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	3.3	2.4	3.6



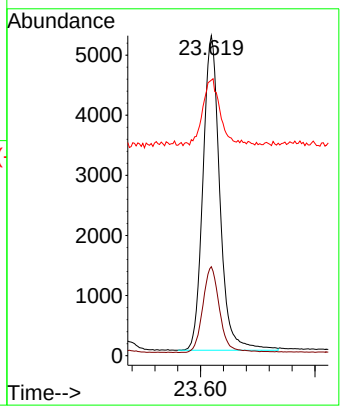


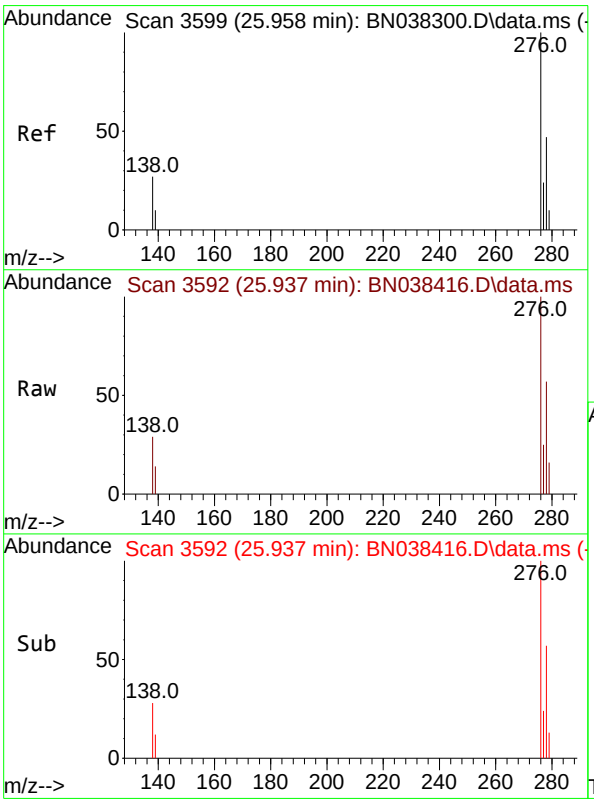
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.619 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 10751

Ion	Ratio	Lower	Upper
264	100		
260	27.8	22.2	33.2
265	86.1	80.2	120.2

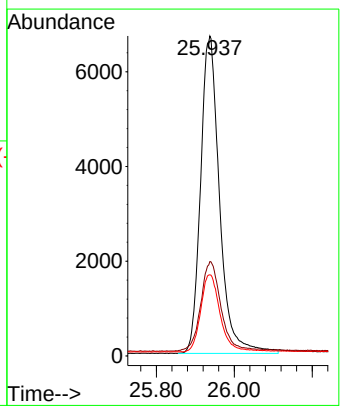


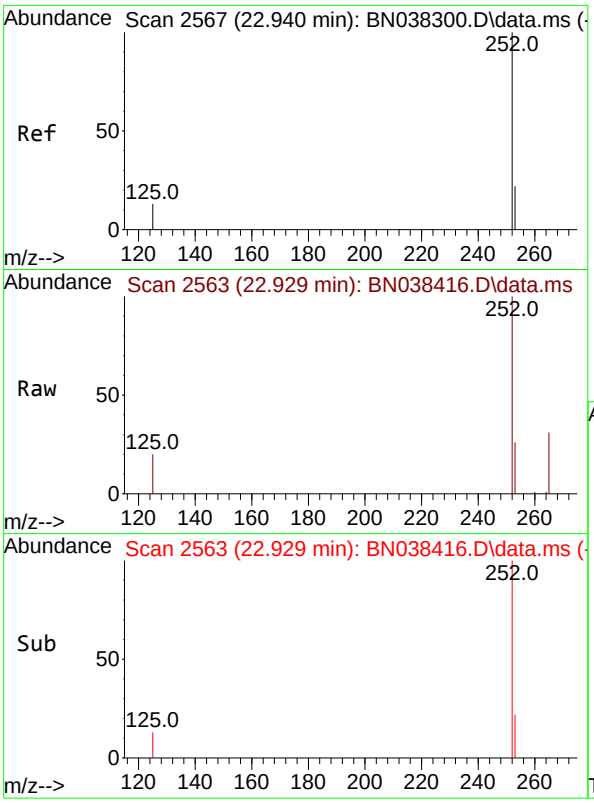


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.937 min Scan# 3592
Delta R.T. -0.026 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:276 Resp: 22682

Ion	Ratio	Lower	Upper
276	100		
138	29.9	23.6	35.4
277	24.6	19.7	29.5



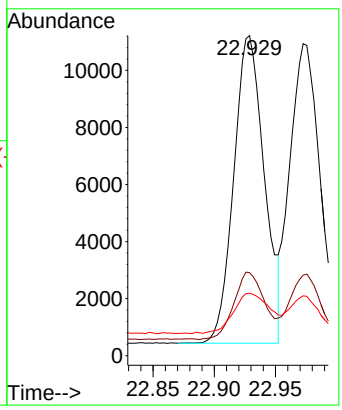


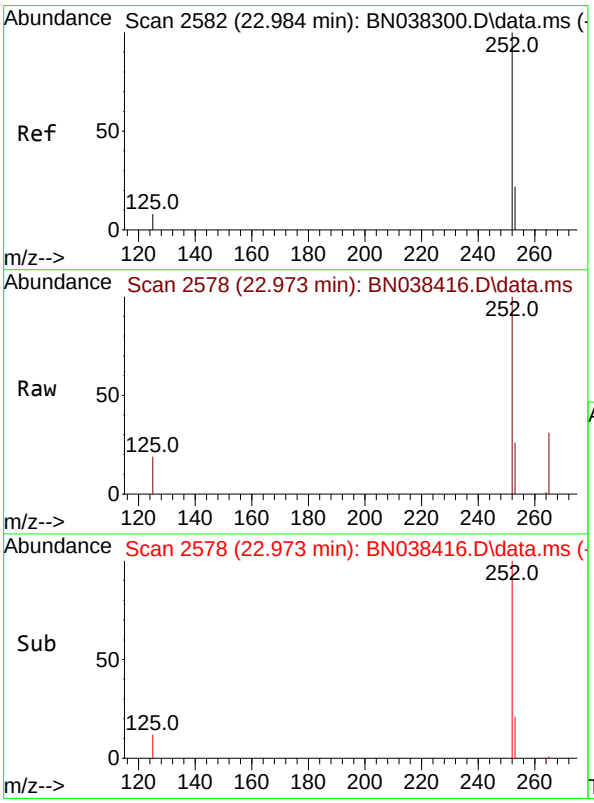
#37
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.929 min Scan# 2
Delta R.T. -0.017 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 18726

Ion	Ratio	Lower	Upper
252	100		
253	26.0	21.1	31.7
125	19.5	16.4	24.6

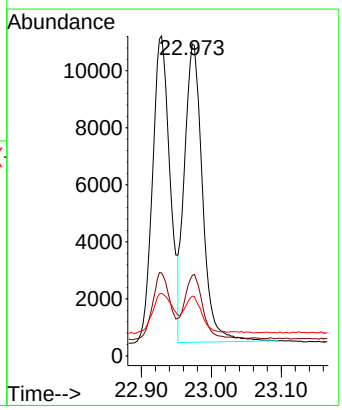


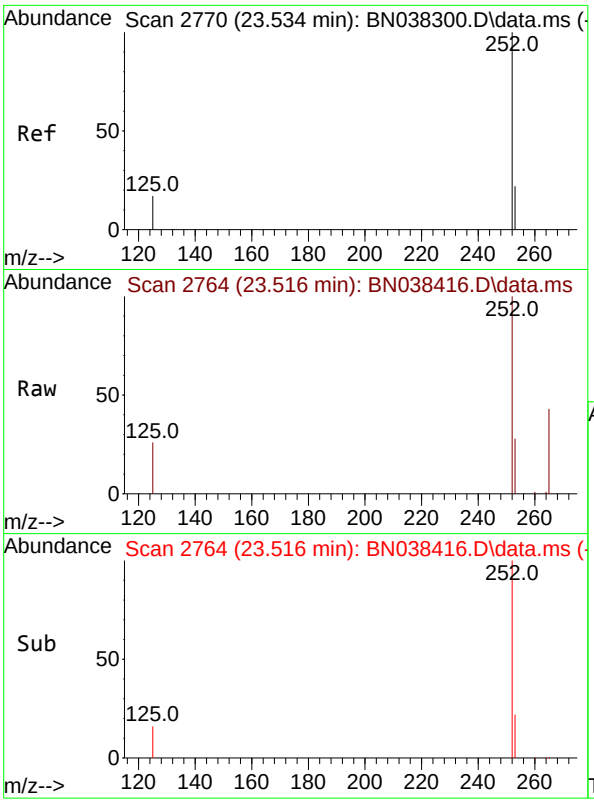


#38
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.973 min Scan# 2578
Delta R.T. -0.017 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:252 Resp: 18718

Ion	Ratio	Lower	Upper
252	100		
253	25.8	21.4	32.0
125	19.2	16.2	24.2



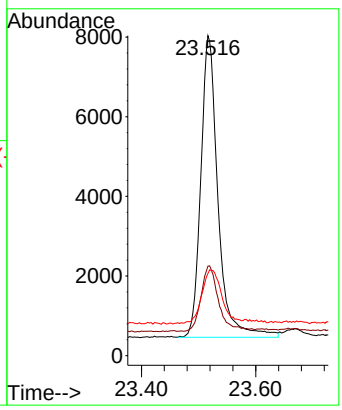


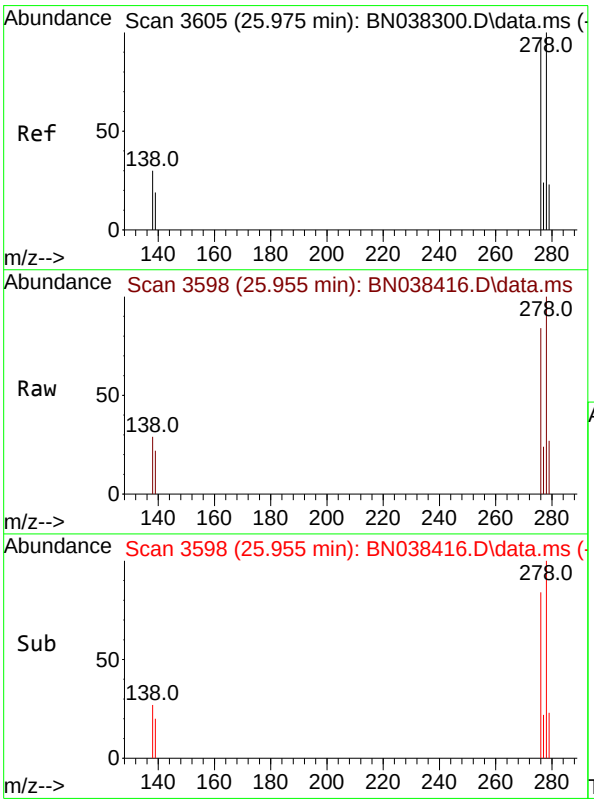
#39
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.516 min Scan# 2
Delta R.T. -0.017 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 15744

Ion	Ratio	Lower	Upper
252	100		
253	28.0	23.3	34.9
125	25.7	22.4	33.6

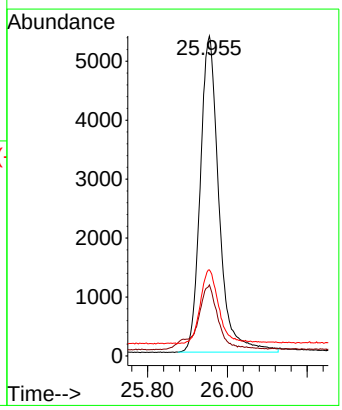


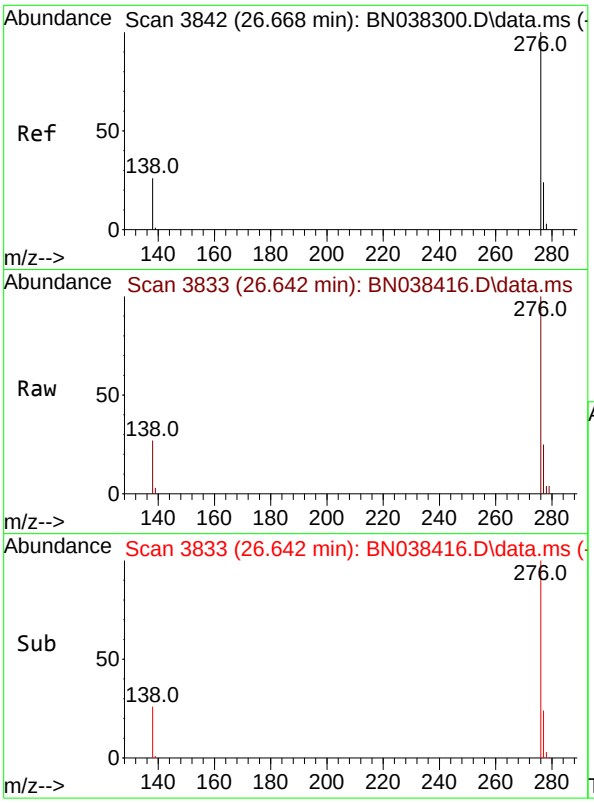


#40
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.026 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Tgt Ion:278 Resp: 17470

Ion	Ratio	Lower	Upper
278	100		
139	22.2	17.8	26.8
279	26.9	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.388 ng
RT: 26.642 min Scan# 3
Delta R.T. -0.035 min
Lab File: BN038416.D
Acq: 15 Dec 2025 22:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19096

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.0	30.0
138	27.4	21.8	32.6