Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090425\
Data File : BN037656.D
Acq On : 04 Sep 2025 11:29
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 05 07:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 04 18:19:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.710	152	3047	0.400	ng		0.00
7) Naphthalene-d8	10.487	136	7444	0.400	ng		0.00
13) Acenaphthene-d10	14.334	164	3622	0.400	ng		0.00
19) Phenanthrene-d10	17.074	188	6923	0.400	ng		0.00
29) Chrysene-d12	21.268	240	4859	0.400	ng	#	0.00
35) Perylene-d12	23.496	264	4170	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.298	112	2595	0.349	ng		0.00
5) Phenol-d6	6.872	99	3162	0.354	ng		0.00
8) Nitrobenzene-d5	8.843	82	2138	0.366	ng		0.00
11) 2-Methylnaphthalene-d10	12.080	152	3695	0.377	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	643	0.329	ng		0.01
15) 2-Fluorobiphenyl	12.963	172	7806	0.385	ng		0.00
27) Fluoranthene-d10	19.113	212	6127	0.355	ng		0.00
31) Terphenyl-d14	19.717	244	4081	0.426	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.232	88	1193	0.393	ng		98
3) n-Nitrosodimethylamine	3.535	42	1562	0.397	ng	#	91
6) bis(2-Chloroethyl)ether	7.132	93	3062	0.402	ng		99
9) Naphthalene	10.530	128	7829	0.386	ng		100
10) Hexachlorobutadiene	10.840	225	1888	0.406	ng	#	100
12) 2-Methylnaphthalene	12.151	142	4765	0.386	ng		100
16) Acenaphthylene	14.056	152	6295	0.381	ng		99
17) Acenaphthene	14.398	154	4339	0.378	ng		97
18) Fluorene	15.392	166	5561	0.397	ng		99
20) 4,6-Dinitro-2-methylph...	15.467	198	305	0.251	ng	#	86
21) 4-Bromophenyl-phenylether	16.280	248	1693	0.377	ng	#	93
22) Hexachlorobenzene	16.391	284	2615	0.420	ng		98
23) Atrazine	16.553	200	1048	0.344	ng		96
24) Pentachlorophenol	16.739	266	897	0.313	ng		99
25) Phenanthrene	17.124	178	8071	0.382	ng		99
26) Anthracene	17.210	178	6713	0.360	ng		100
28) Fluoranthene	19.141	202	8461	0.361	ng		100
30) Pyrene	19.503	202	8121	0.435	ng		100
32) Benzo(a)anthracene	21.250	228	6385	0.382	ng		99
33) Chrysene	21.304	228	7221	0.405	ng		98
34) Bis(2-ethylhexyl)phtha...	21.196	149	3308	0.543	ng		99
36) Indeno(1,2,3-cd)pyrene	25.753	276	5888	0.299	ng		99
37) Benzo(b)fluoranthene	22.823	252	6400	0.380	ng		98
38) Benzo(k)fluoranthene	22.867	252	6870	0.389	ng		97
39) Benzo(a)pyrene	23.399	252	4995	0.358	ng		95
40) Dibenzo(a,h)anthracene	25.767	278	4119	0.268	ng		94
41) Benzo(g,h,i)perylene	26.434	276	5632	0.340	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090425\
Data File : BN037656.D
Acq On : 04 Sep 2025 11:29
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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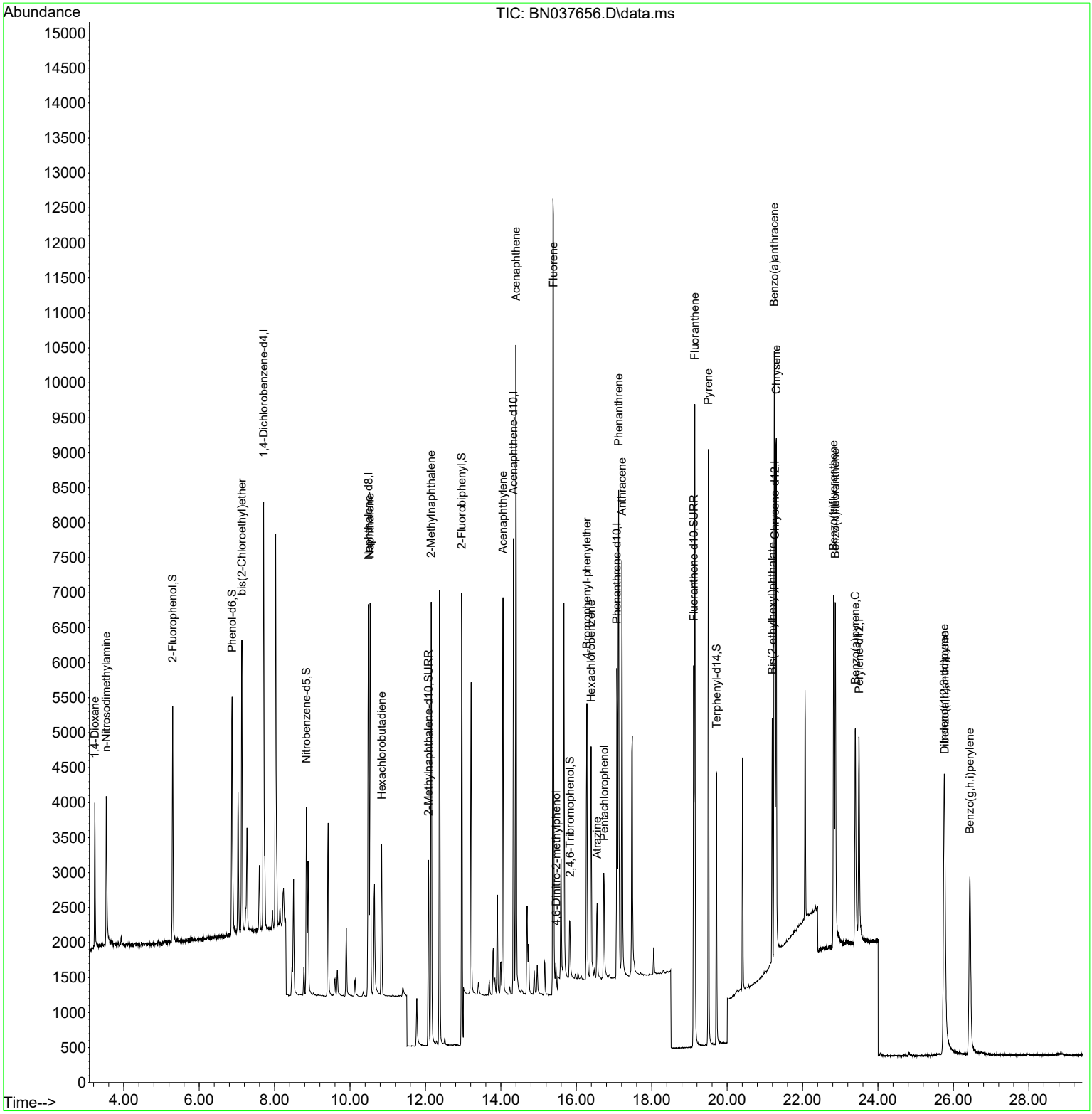
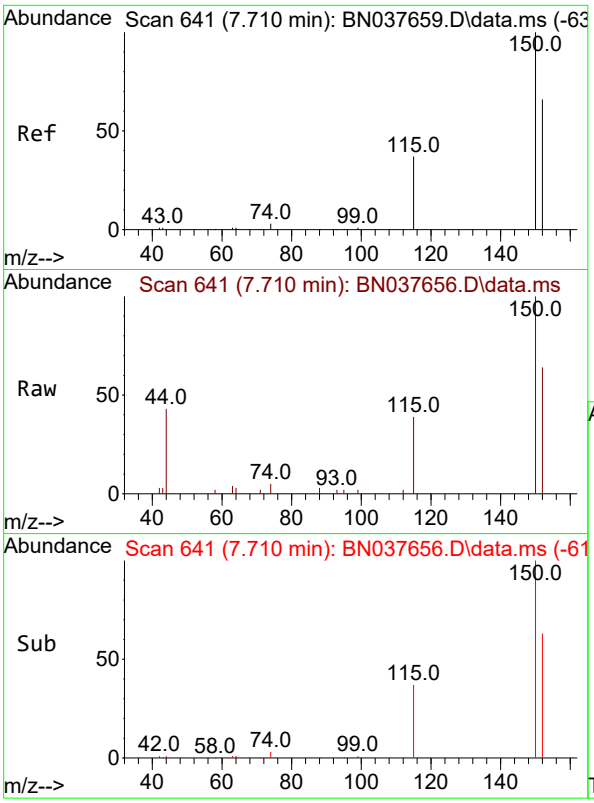
Quant Time: Sep 05 07:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 04 18:19:43 2025
Response via : Initial Calibration



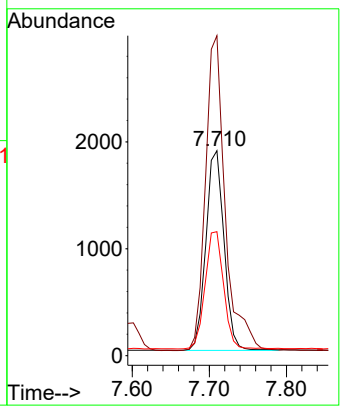


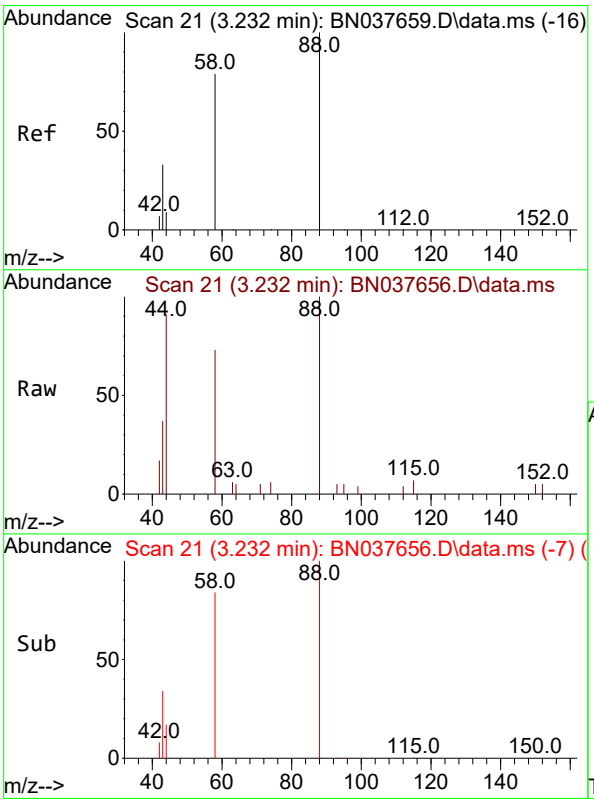
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3047

Ion	Ratio	Lower	Upper
152	100		
150	156.1	119.9	179.9
115	60.5	46.8	70.2

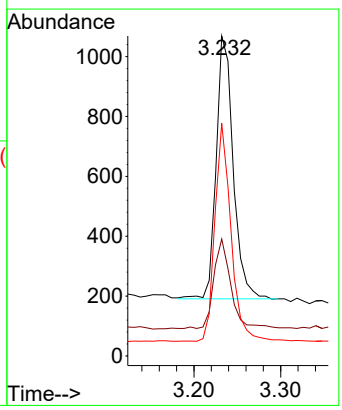


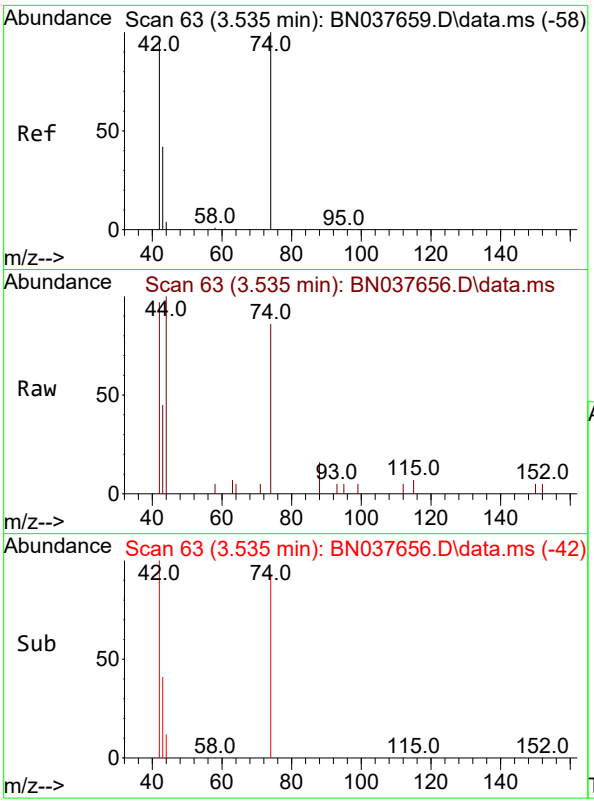


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion: 88 Resp: 1193

Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.6	40.0
58	79.0	62.0	93.0



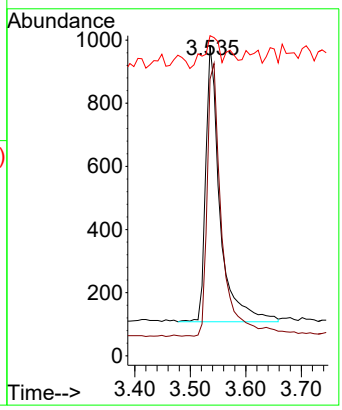


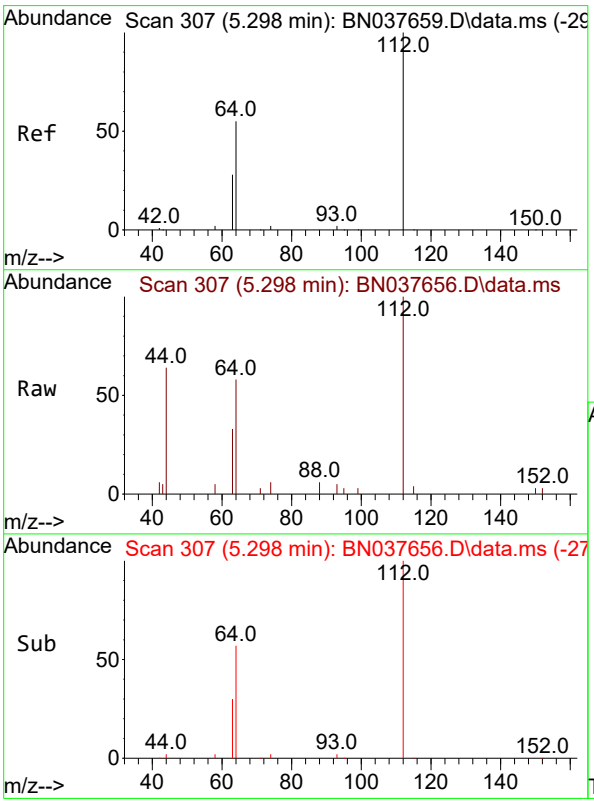
#3
n-Nitrosodimethylamine
Concen: 0.397 ng
RT: 3.535 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1562

Ion	Ratio	Lower	Upper
42	100		
74	99.4	86.2	129.2
44	12.5	5.2	7.8#

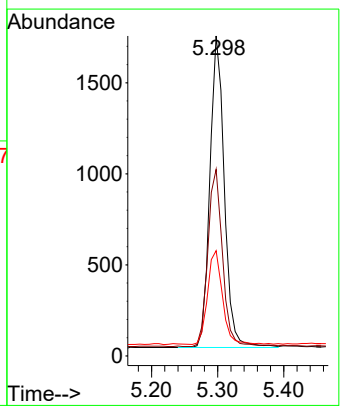


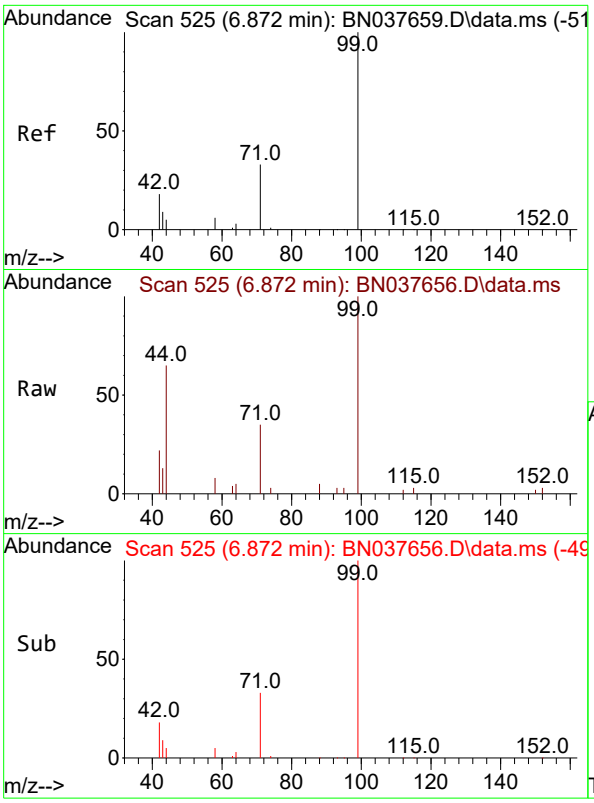


#4
2-Fluorophenol
Concen: 0.349 ng
RT: 5.298 min Scan# 307
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:112 Resp: 2595

Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.8	68.6
63	31.3	24.2	36.4



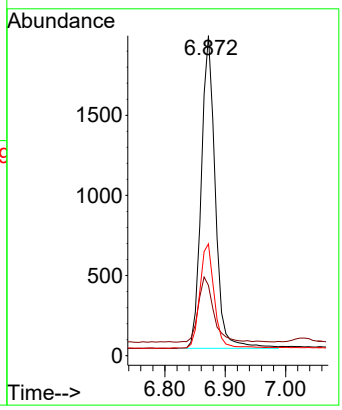


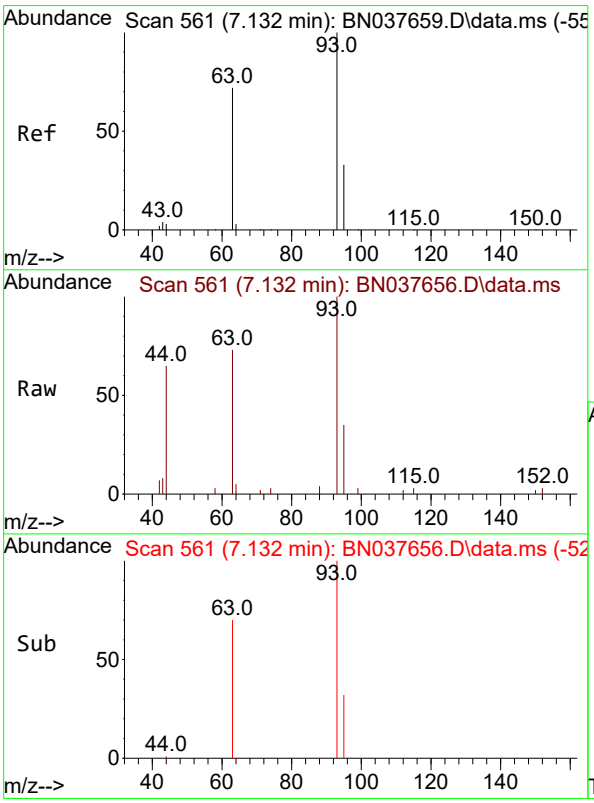
#5
Phenol-d6
Concen: 0.354 ng
RT: 6.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3162

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.7	26.5
71	34.5	27.5	41.3

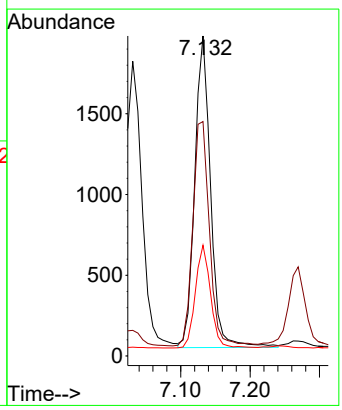


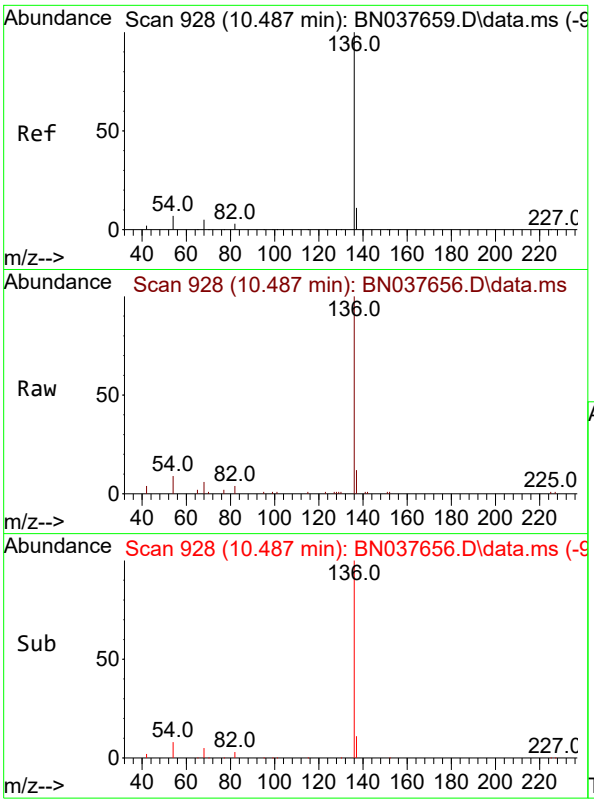


#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.132 min Scan# 561
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion: 93 Resp: 3062

Ion	Ratio	Lower	Upper
93	100		
63	75.3	60.6	91.0
95	31.6	25.7	38.5



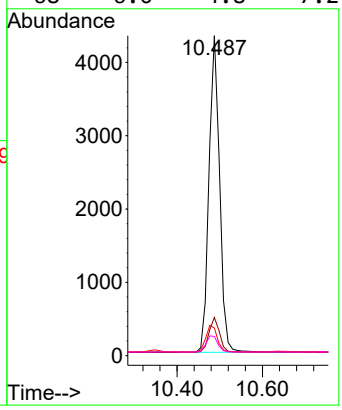


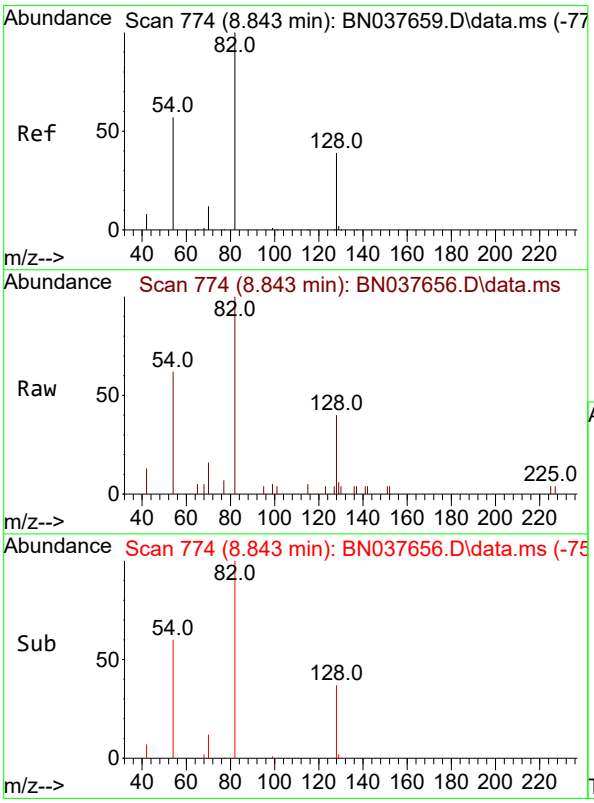
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 7444

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.0
54	8.6	6.3	9.5
68	6.0	4.8	7.2

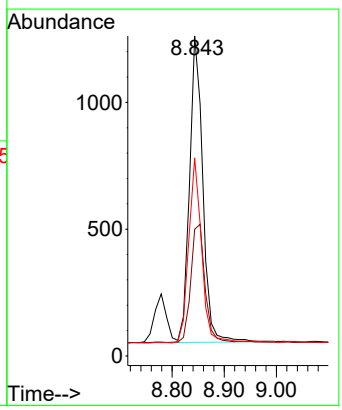


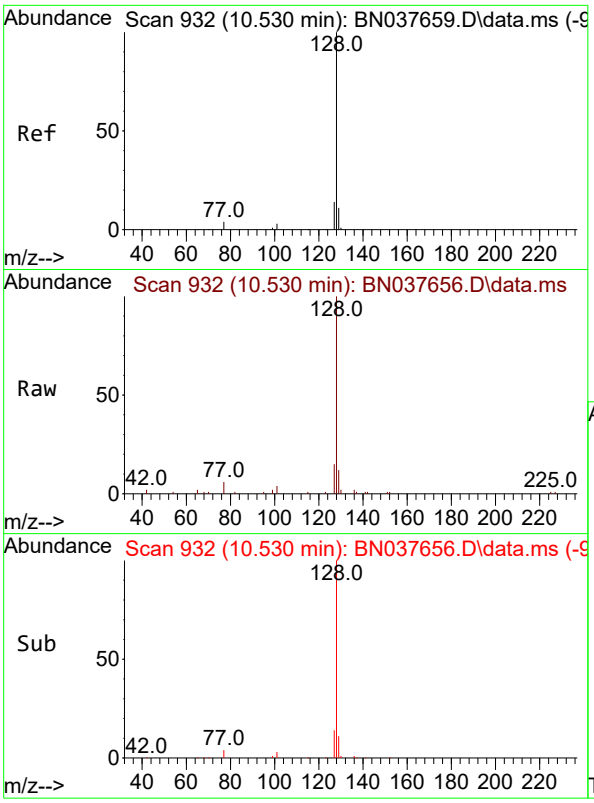


#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion: 82 Resp: 2138

Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.0	49.6
54	61.9	47.9	71.9



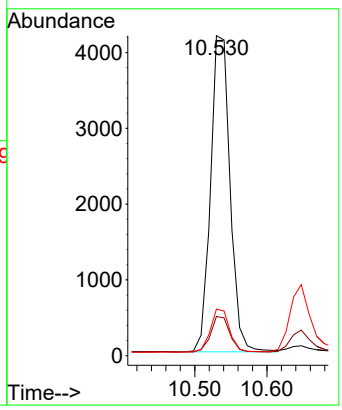


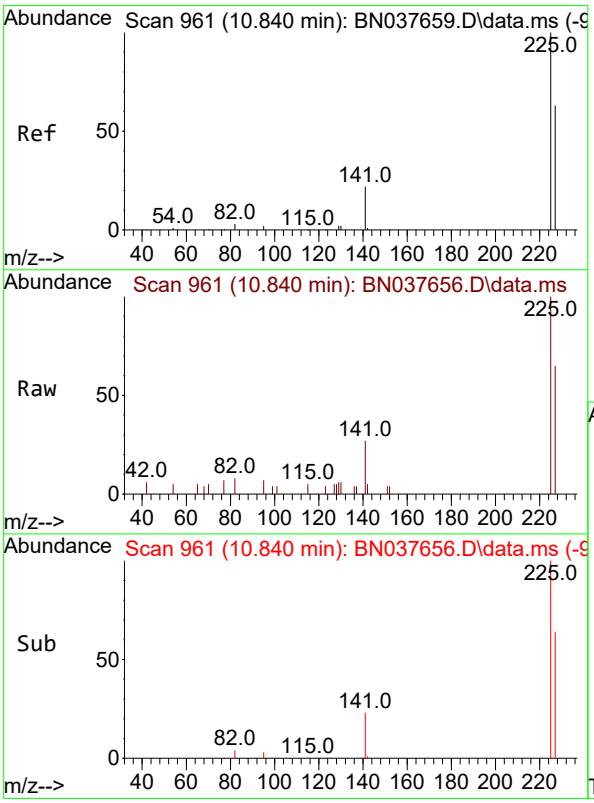
#9
Naphthalene
Concen: 0.386 ng
RT: 10.530 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 7829

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.7	14.5
127	14.5	11.5	17.3

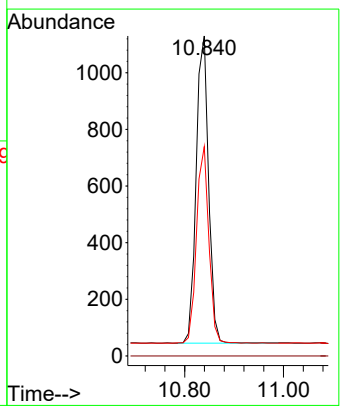


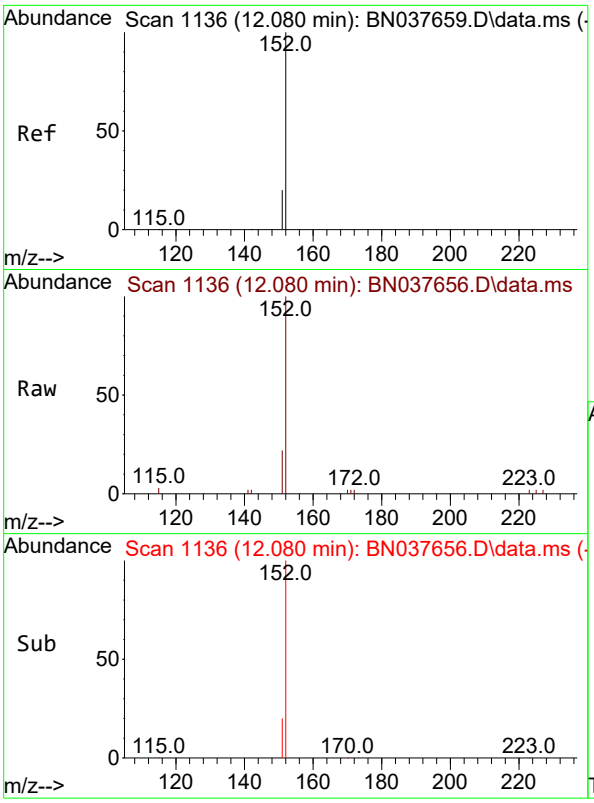


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:225 Resp: 1888

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.5	75.7



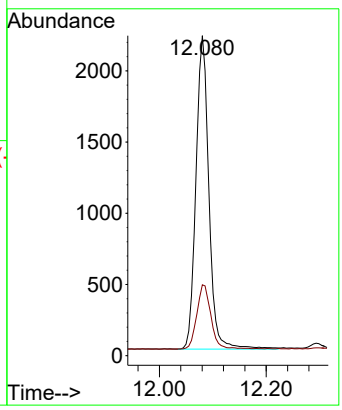


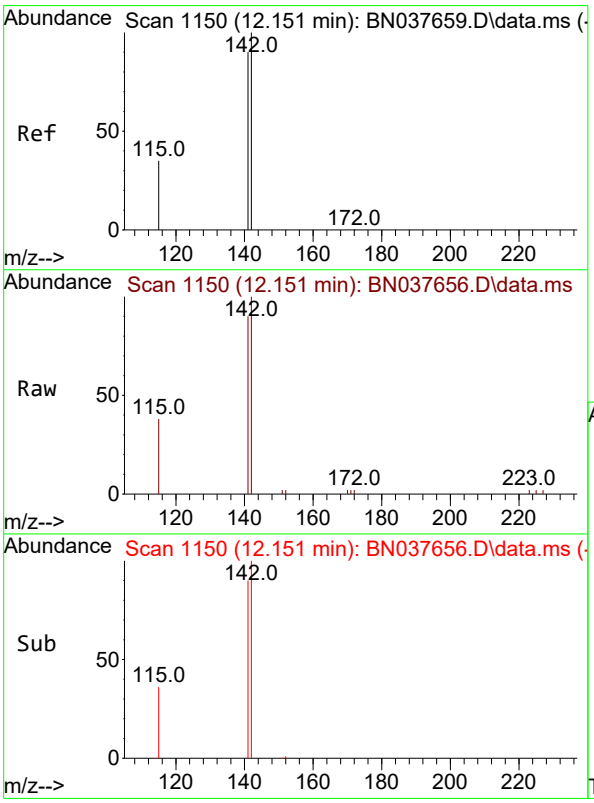
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.080 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3695

Ion	Ratio	Lower	Upper
152	100		
151	22.4	17.3	25.9

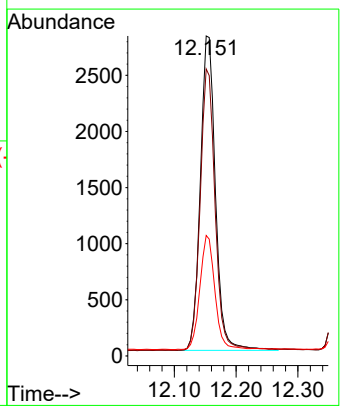


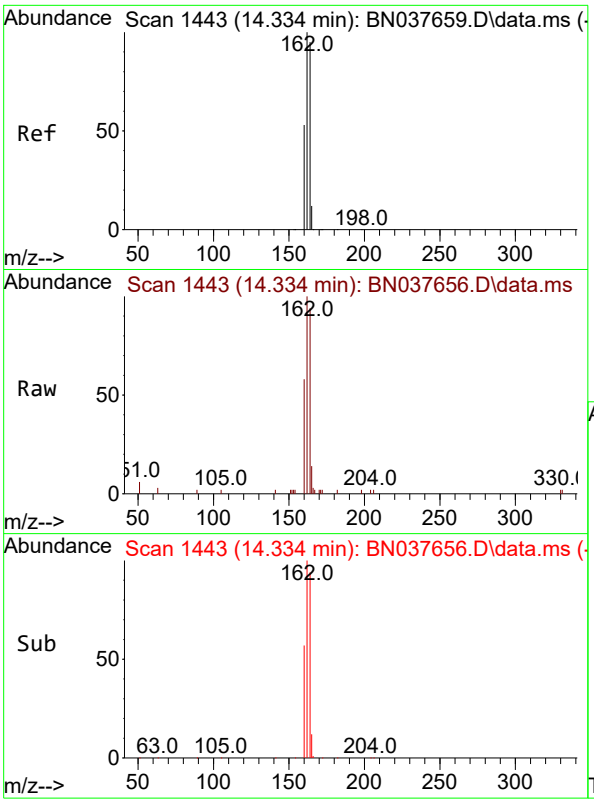


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.151 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:142 Resp: 4765

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
115	37.6	29.4	44.2



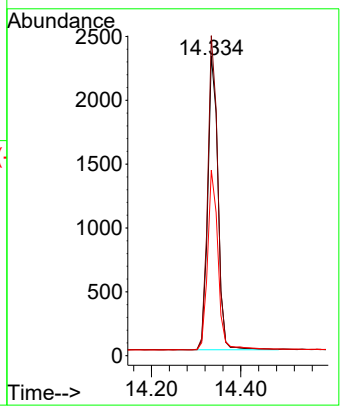


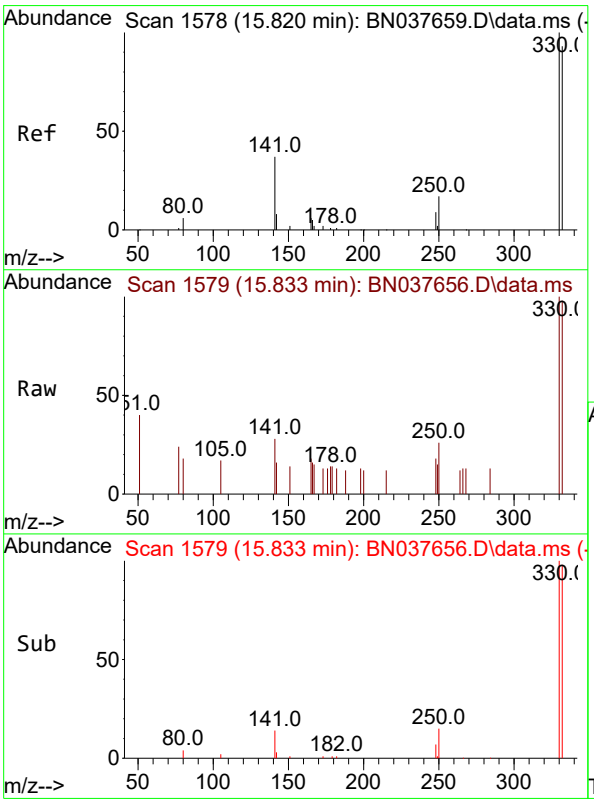
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3622

Ion	Ratio	Lower	Upper
164	100		
162	106.7	84.6	126.8
160	61.8	45.6	68.4

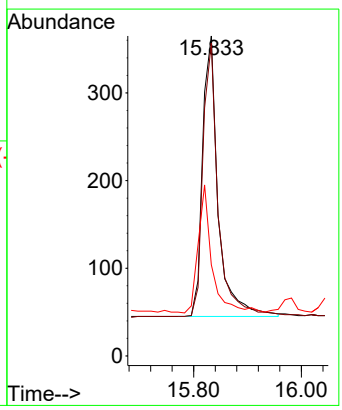


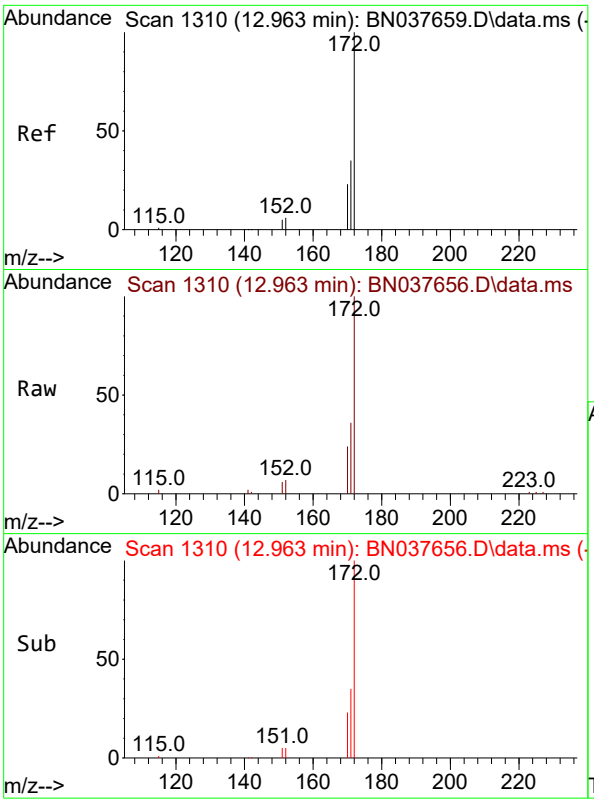


#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.012 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:330 Resp: 643

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.9	115.3
141	39.2	31.4	47.2



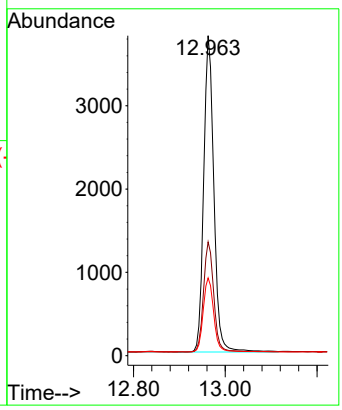


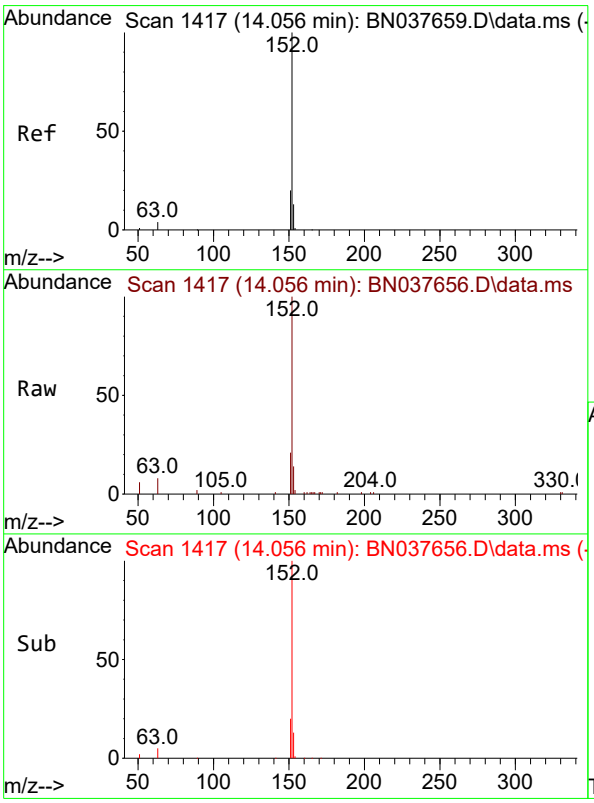
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7806

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	24.3	19.4	29.2

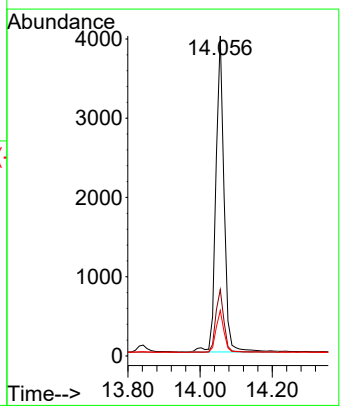


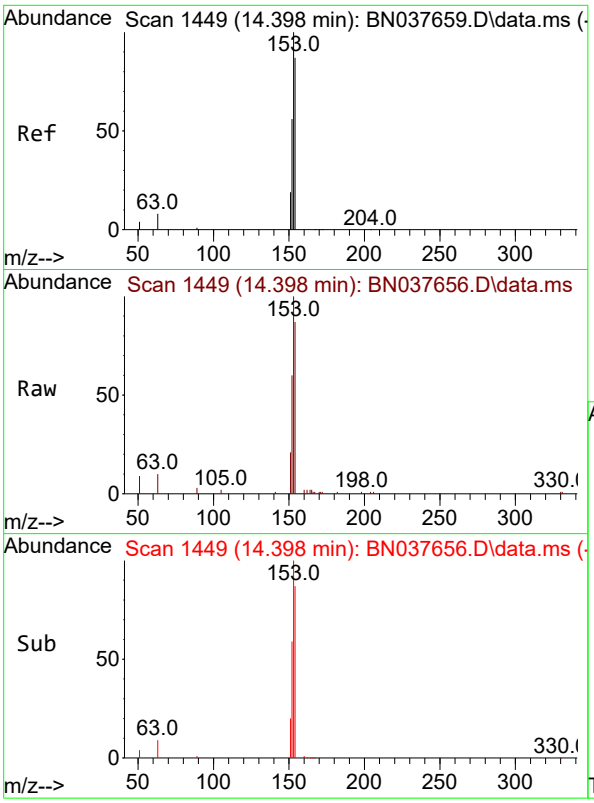


#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:152 Resp: 6295

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	13.1	10.9	16.3



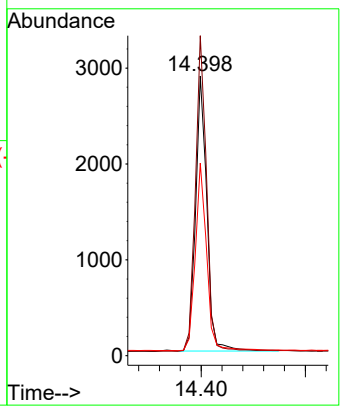


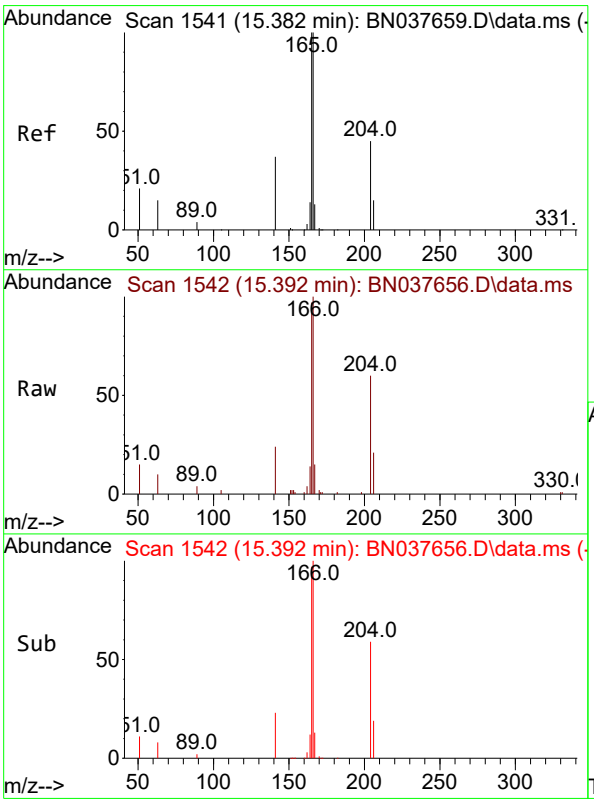
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4339

Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.3	132.5
152	68.5	51.4	77.2

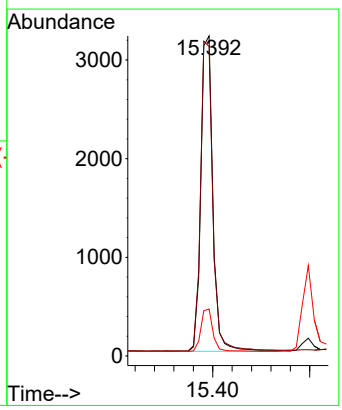


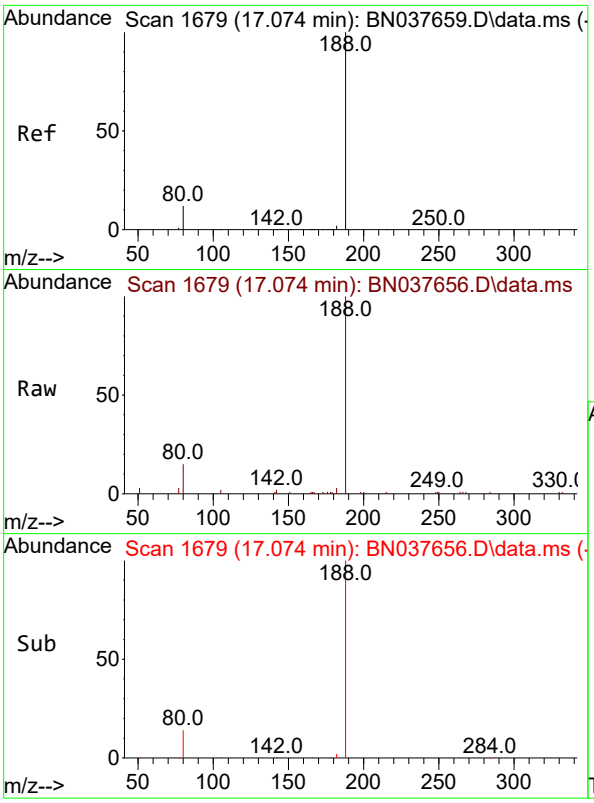


#18
Fluorene
Concen: 0.397 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:166 Resp: 5561

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.4
167	13.5	10.5	15.7



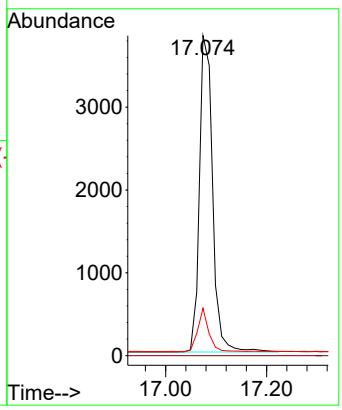


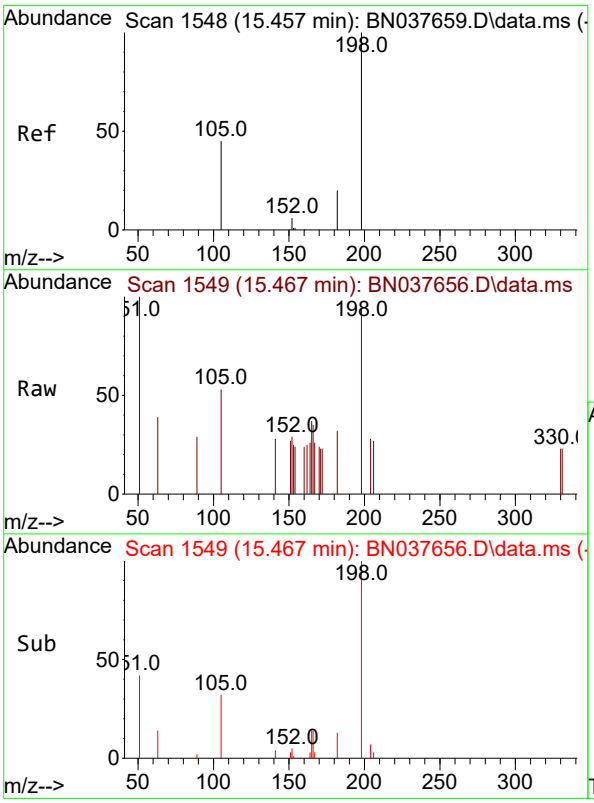
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6923

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.8	10.8	16.2

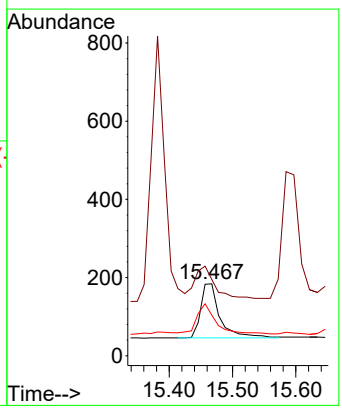


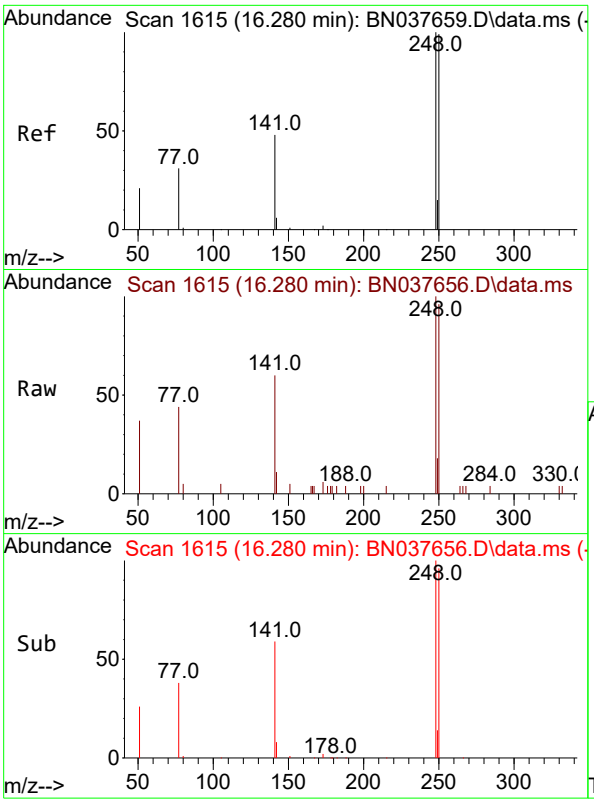


#20
4,6-Dinitro-2-methylphenol
Concen: 0.251 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.011 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:198 Resp: 305

Ion	Ratio	Lower	Upper
198	100		
51	106.0	69.0	103.4#
105	56.5	47.8	71.8



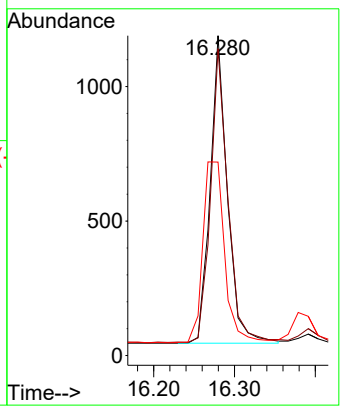


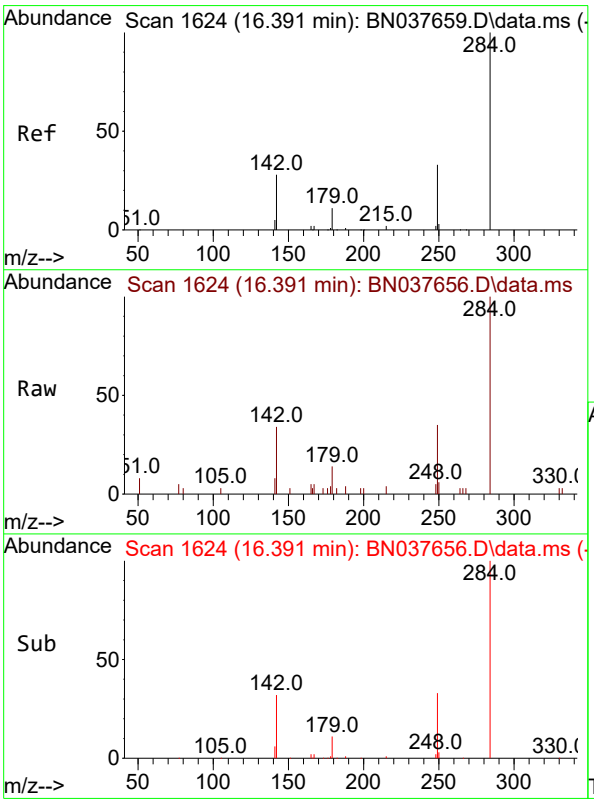
#21
4-Bromophenyl-phenylether
Concen: 0.377 ng
RT: 16.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1693

Ion	Ratio	Lower	Upper
248	100		
250	96.0	79.2	118.8
141	60.5	40.2	60.4#

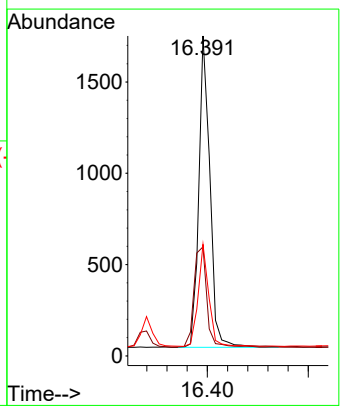


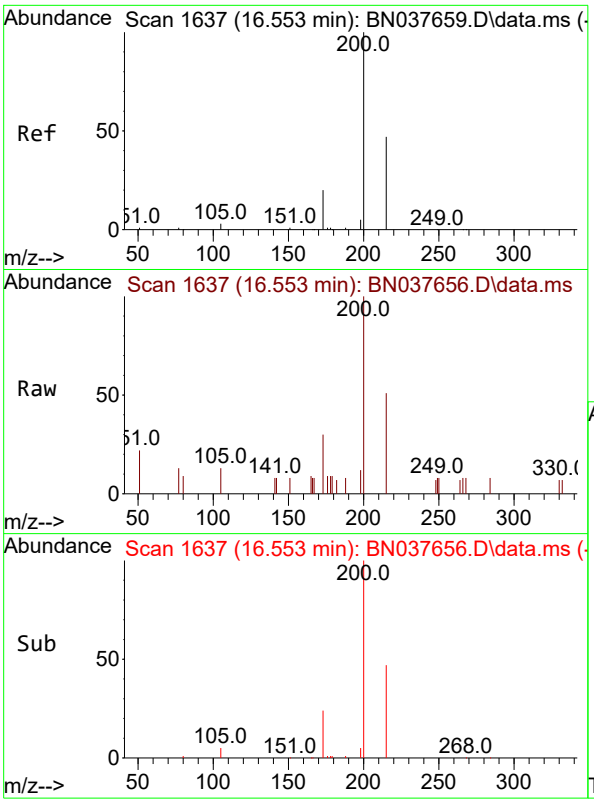


#22
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:284 Resp: 2615

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.4	42.6
249	31.3	25.1	37.7



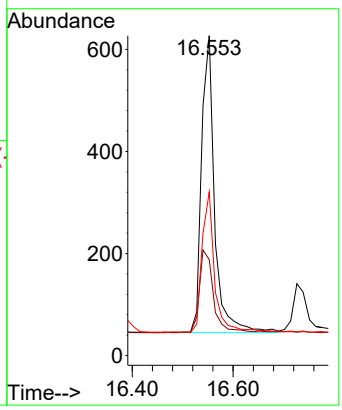


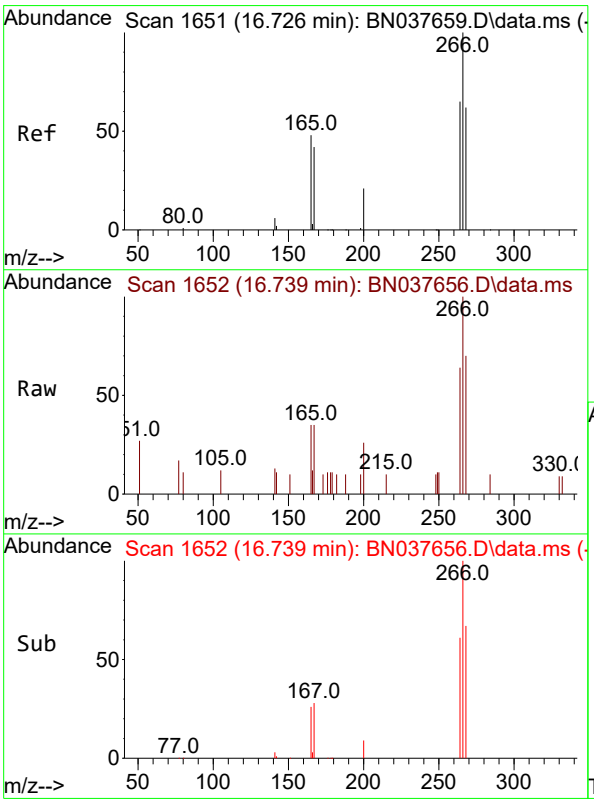
#23
Atrazine
Concen: 0.344 ng
RT: 16.553 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1048

Ion	Ratio	Lower	Upper
200	100		
173	30.0	20.1	30.1
215	51.2	40.6	61.0

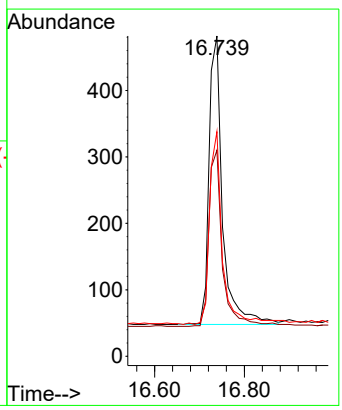


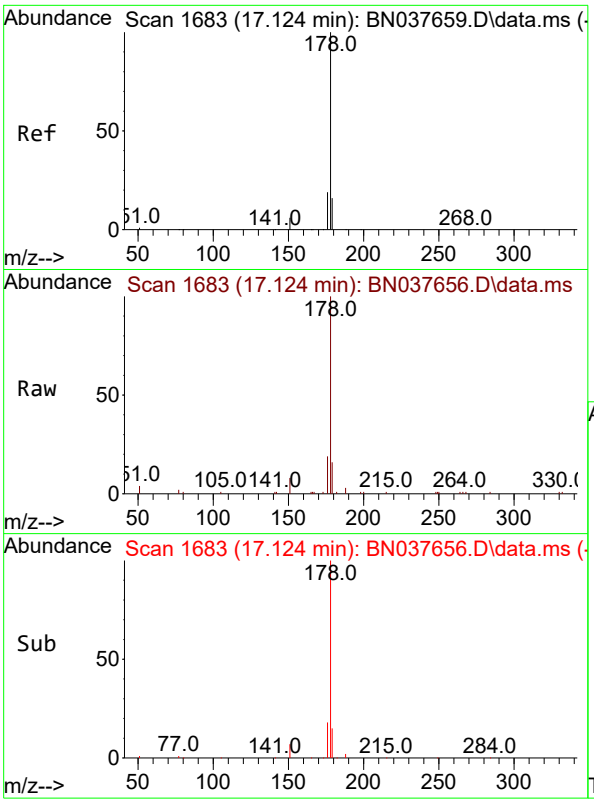


#24
Pentachlorophenol
Concen: 0.313 ng
RT: 16.739 min Scan# 1652
Delta R.T. 0.012 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:266 Resp: 897

Ion	Ratio	Lower	Upper
266	100		
264	61.3	49.6	74.4
268	63.5	50.2	75.2



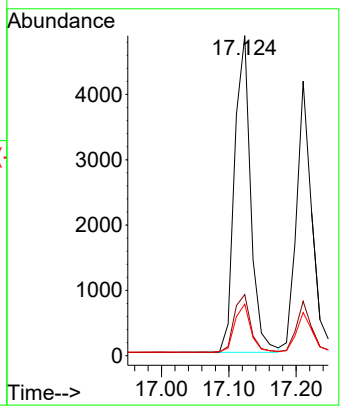


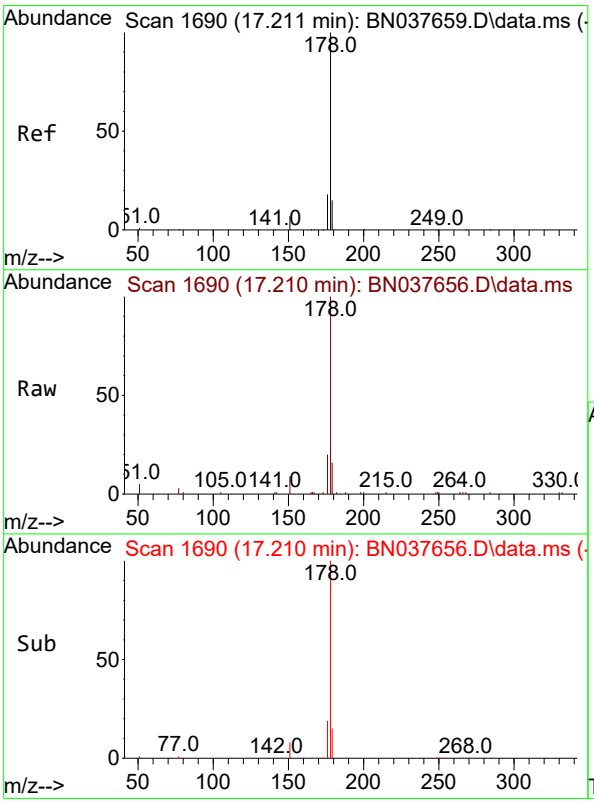
#25
Phenanthrene
Concen: 0.382 ng
RT: 17.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8071

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.5	18.7

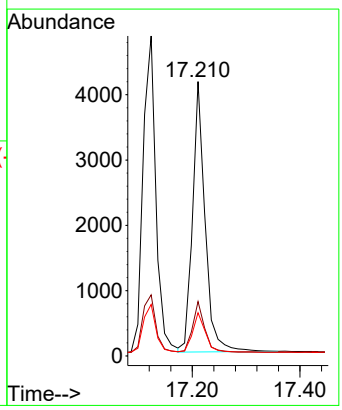


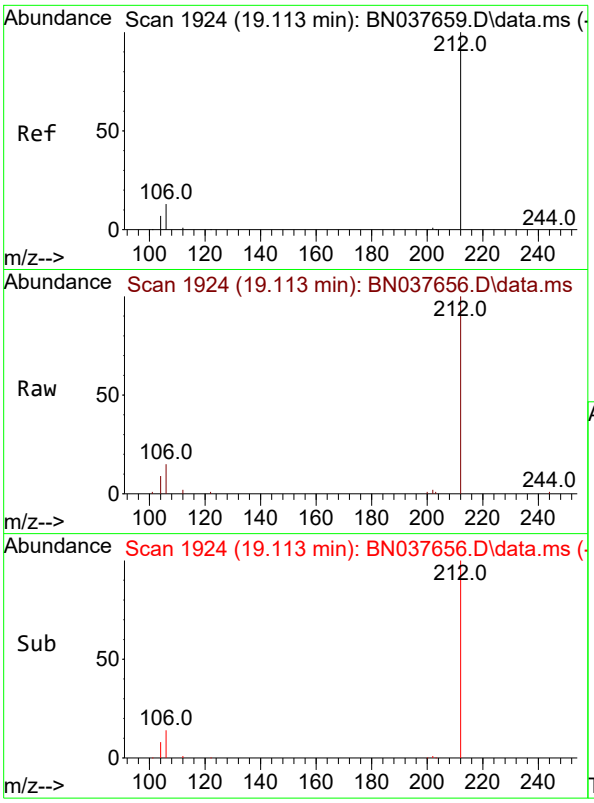


#26
Anthracene
Concen: 0.360 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:178 Resp: 6713

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.1	12.2	18.2



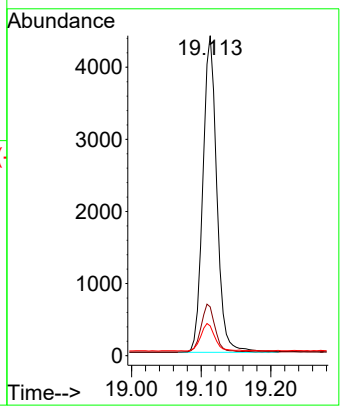


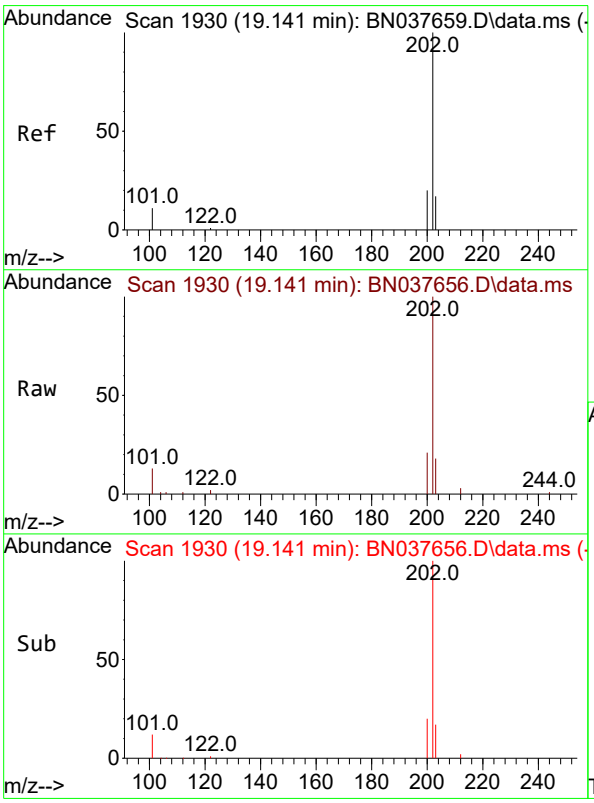
#27
Fluoranthene-d10
Concen: 0.355 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 6127

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.0	18.0
104	8.7	6.8	10.2

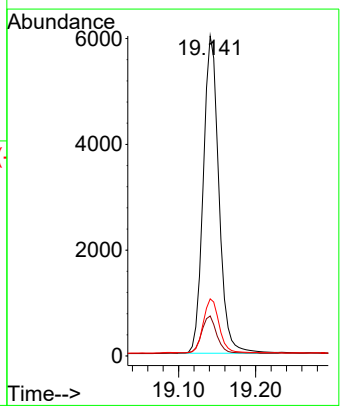


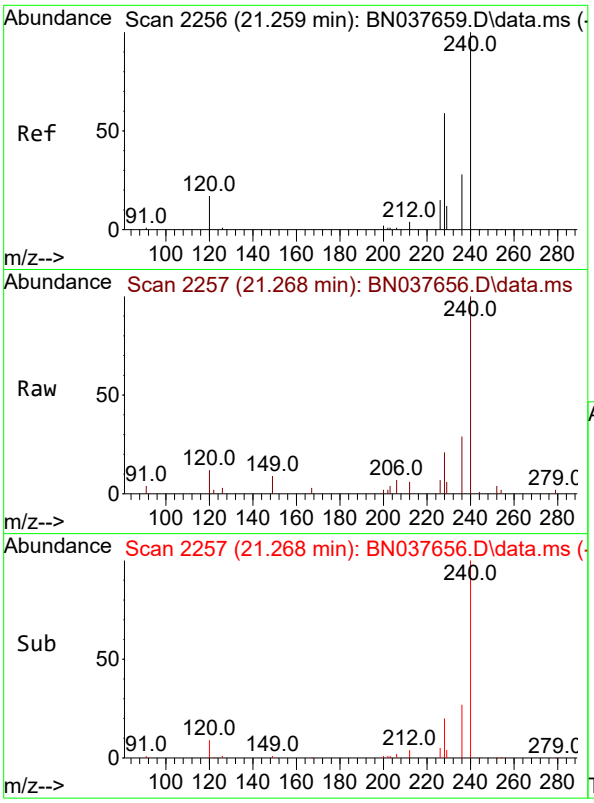


#28
Fluoranthene
Concen: 0.361 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:202 Resp: 8461

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
203	17.4	13.8	20.8



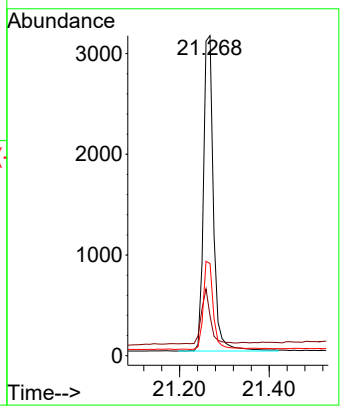


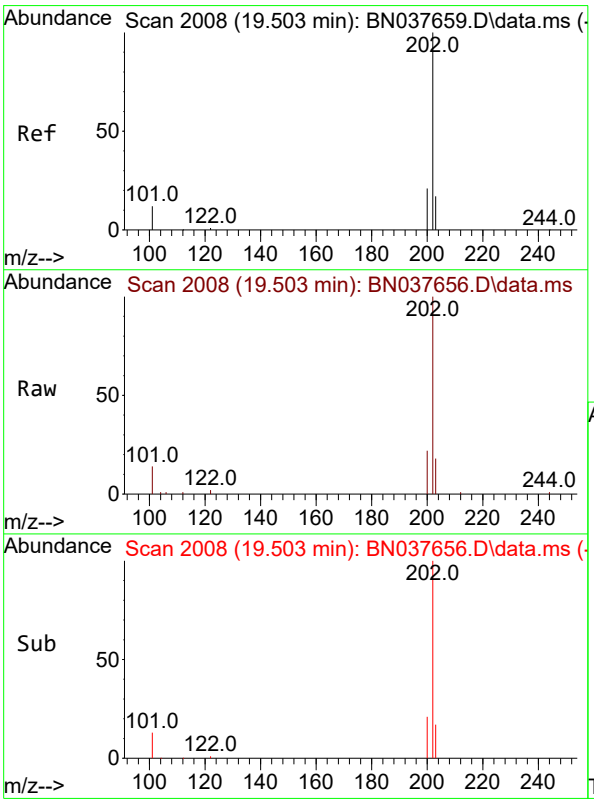
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 4859

Ion	Ratio	Lower	Upper
240	100		
120	12.4	15.9	23.9#
236	28.8	23.3	34.9

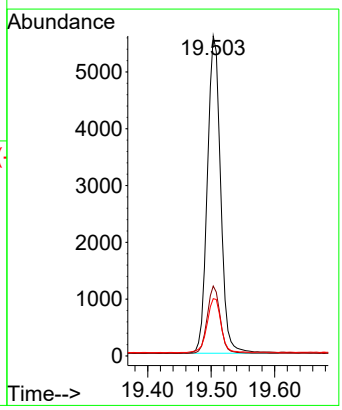


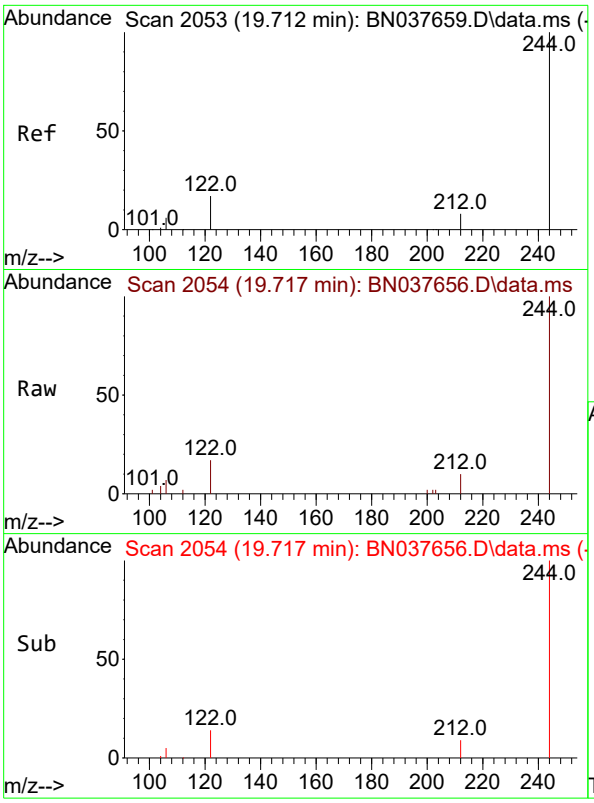


#30
Pyrene
Concen: 0.435 ng
RT: 19.503 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:202 Resp: 8121

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.8	14.4	21.6



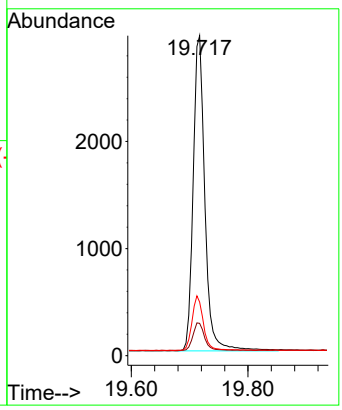


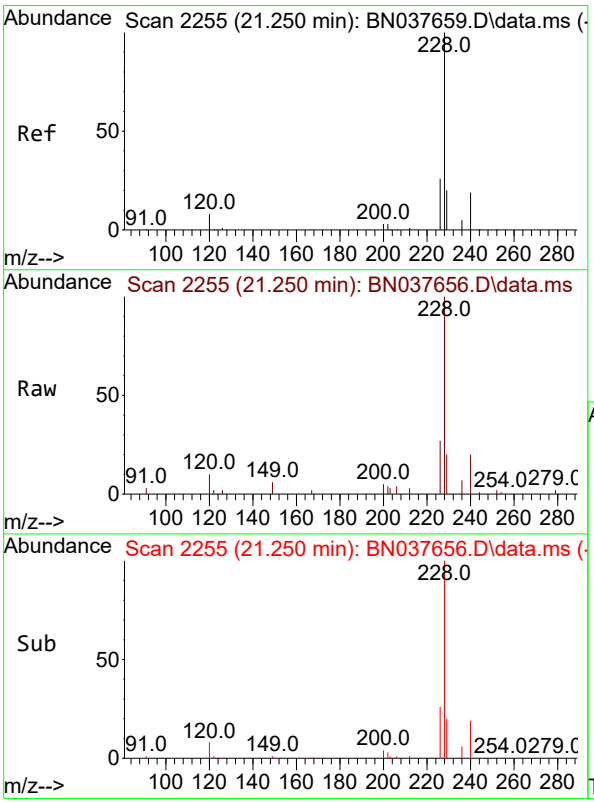
#31
Terphenyl-d14
Concen: 0.426 ng
RT: 19.717 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 4081

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.8	11.6
122	16.7	14.9	22.3

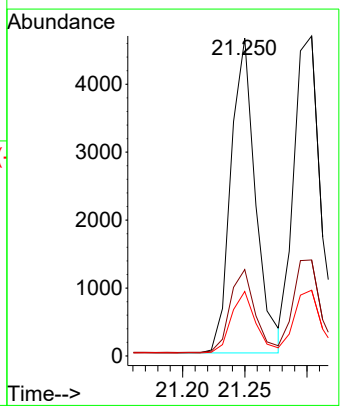


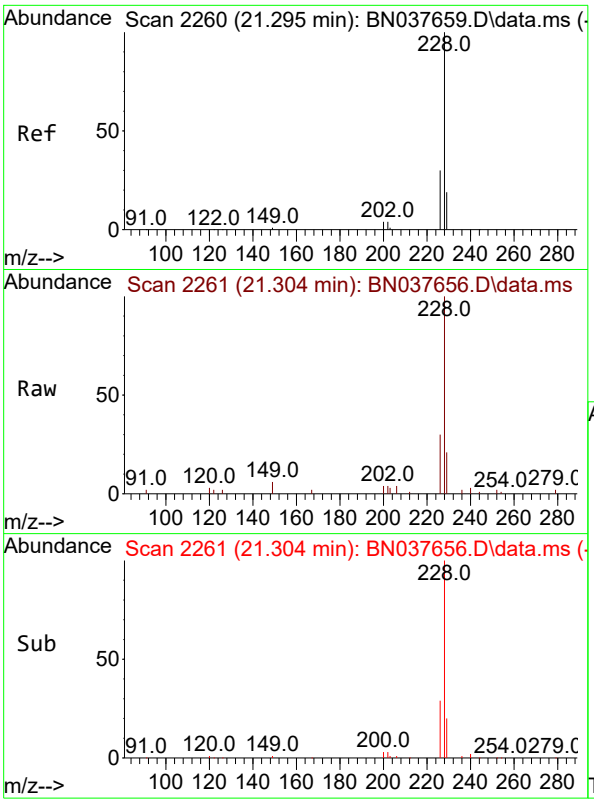


#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:228 Resp: 6385

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	20.3	16.2	24.2



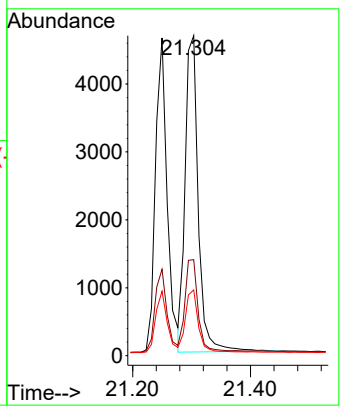


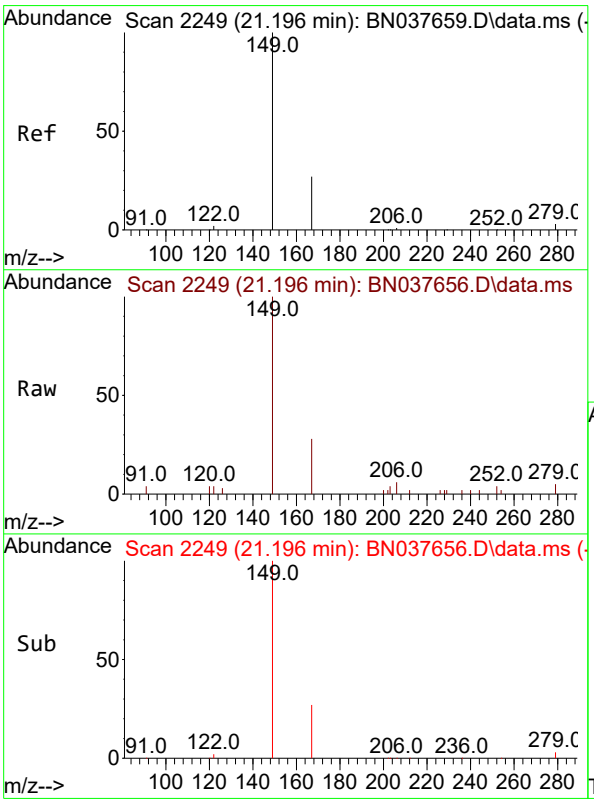
#33
Chrysene
Concen: 0.405 ng
RT: 21.304 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 7221

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	20.6	15.7	23.5

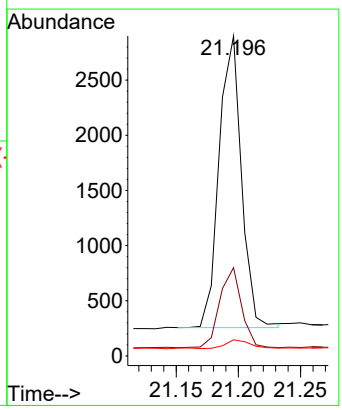


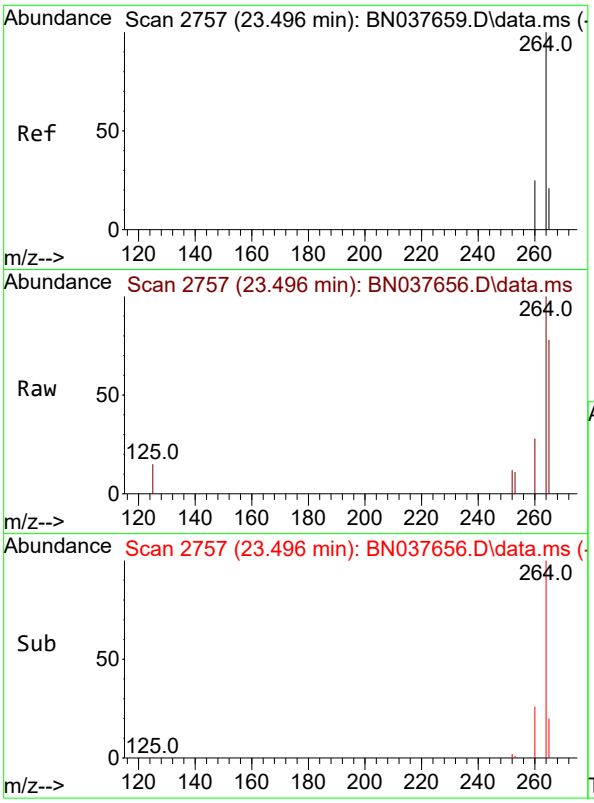


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.543 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:149 Resp: 3308

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.7	32.5
279	3.4	2.4	3.6



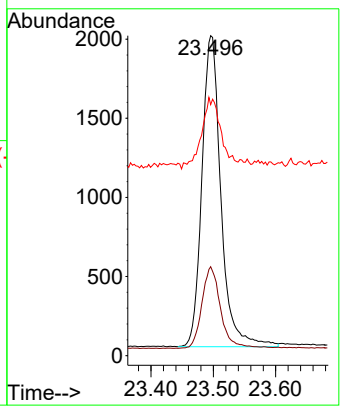


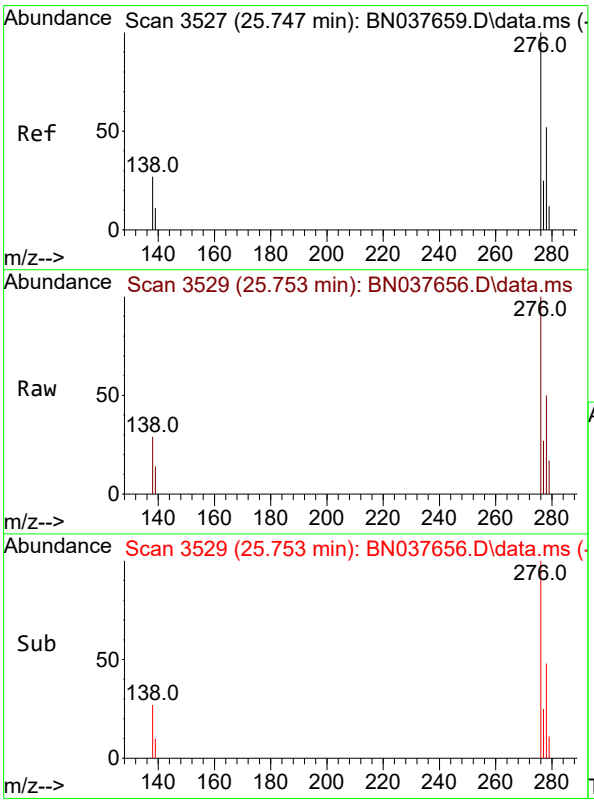
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.496 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 4170

Ion	Ratio	Lower	Upper
264	100		
260	27.8	21.0	31.4
265	78.4	53.7	80.5

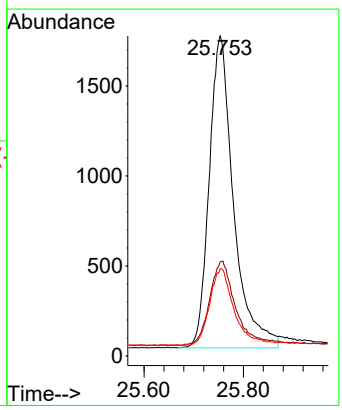


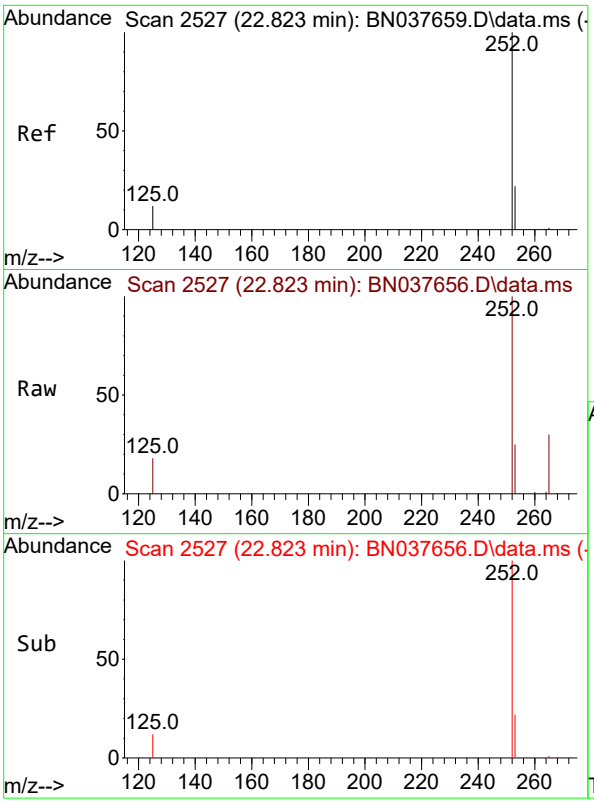


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng
RT: 25.753 min Scan# 3529
Delta R.T. 0.006 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:276 Resp: 5888

Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.7	35.5
277	24.6	20.2	30.2



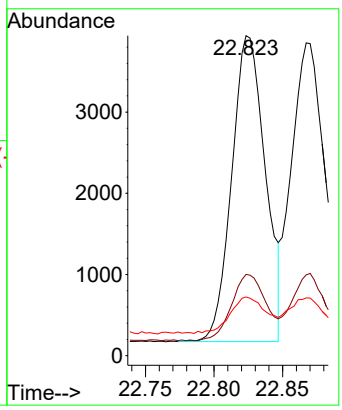


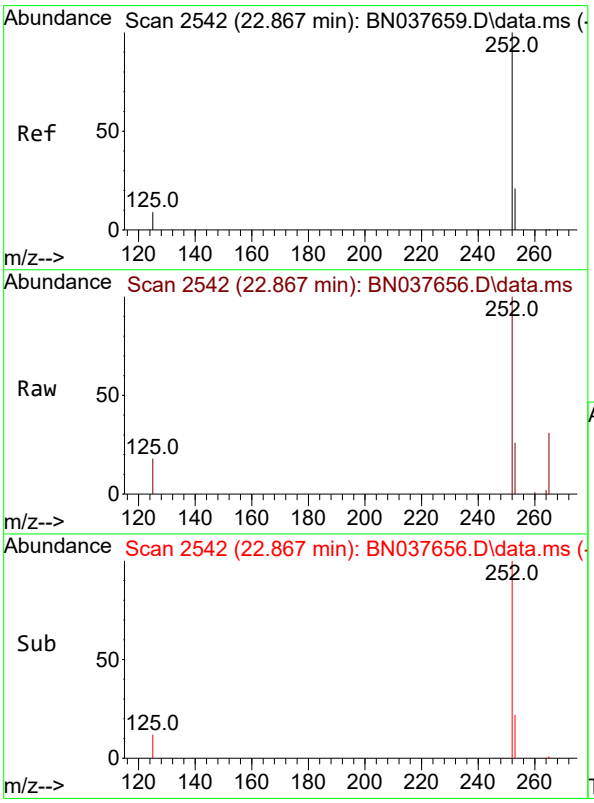
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.823 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6400

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.7	29.5
125	18.4	13.9	20.9

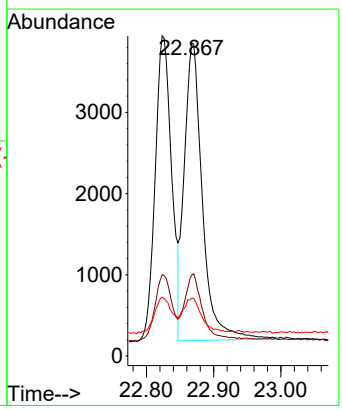


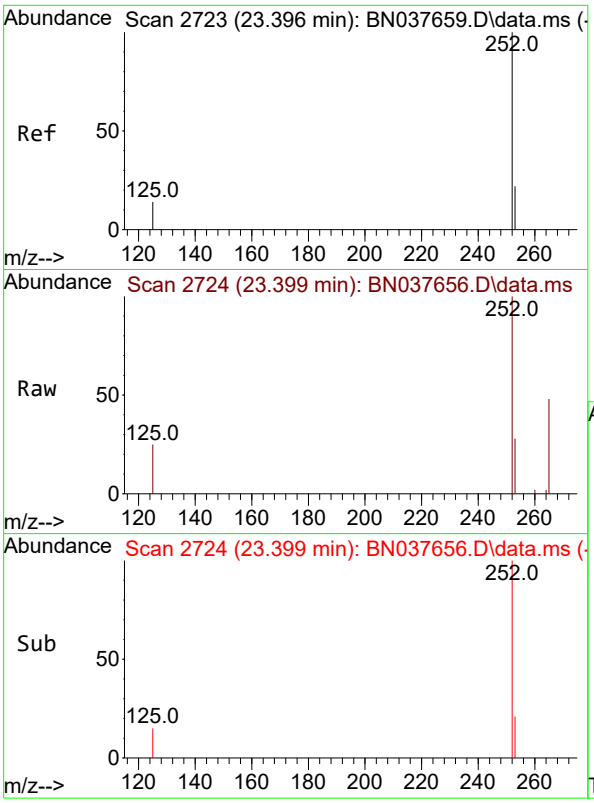


#38
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.867 min Scan# 2542
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:252 Resp: 6870

Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.7	29.5
125	18.5	13.7	20.5



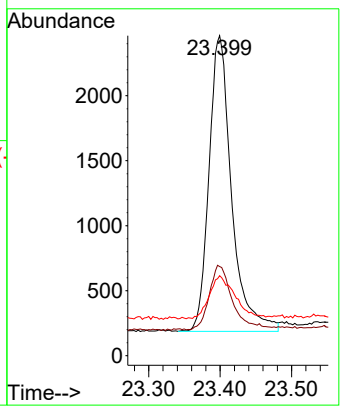


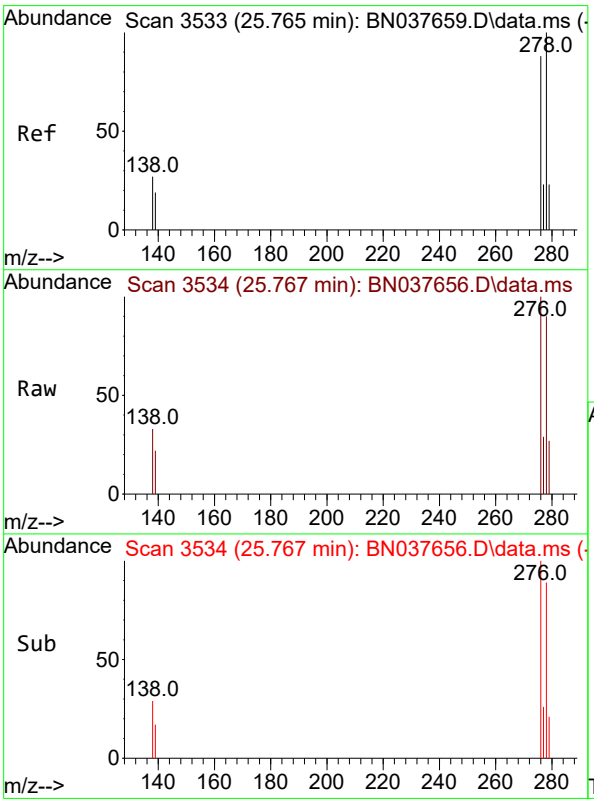
#39
Benzo(a)pyrene
Concen: 0.358 ng
RT: 23.399 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 4995

Ion	Ratio	Lower	Upper
252	100		
253	27.9	21.1	31.7
125	25.0	17.5	26.3

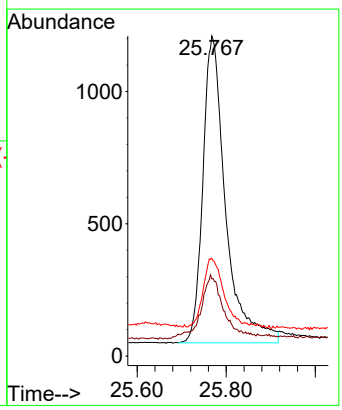


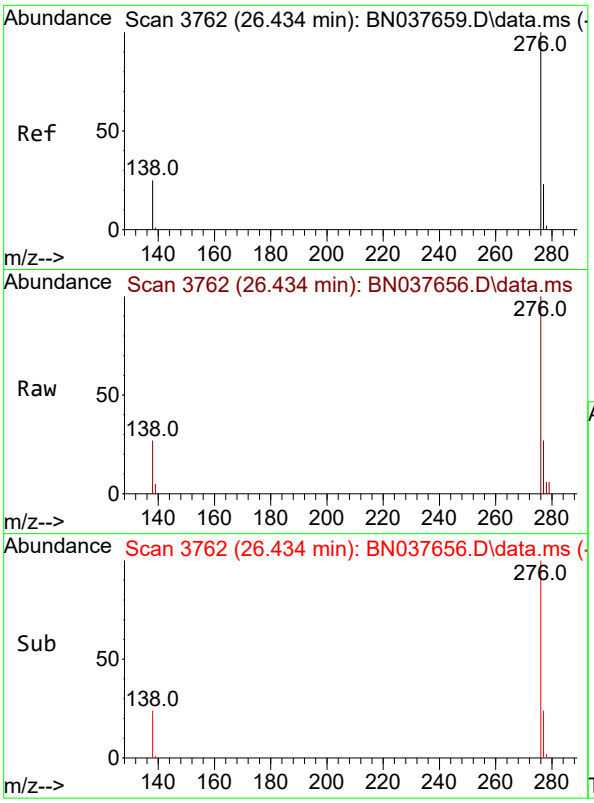


#40
Dibenzo(a,h)anthracene
Concen: 0.268 ng
RT: 25.767 min Scan# 3534
Delta R.T. 0.003 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Tgt Ion:278 Resp: 4119

Ion	Ratio	Lower	Upper
278	100		
139	24.1	17.7	26.5
279	30.5	21.1	31.7





#41
Benzo(g,h,i)perylene
Concen: 0.340 ng
RT: 26.434 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037656.D
Acq: 04 Sep 2025 11:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 5632

Ion	Ratio	Lower	Upper
276	100		
277	26.6	20.1	30.1
138	26.8	21.8	32.6