Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062625\
Data File : BN037387.D
Acq On : 26 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jun 26 16:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 26 16:05:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	1946	0.400	ng		0.00
7) Naphthalene-d8	10.340	136	4021	0.400	ng	#	0.00
13) Acenaphthene-d10	14.213	164	2635	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	5416	0.400	ng	#	0.01
29) Chrysene-d12	21.162	240	5370	0.400	ng	#	0.00
35) Perylene-d12	23.345	264	5780	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.163	112	757	0.202	ng		0.00
5) Phenol-d6	6.744	99	687	0.177	ng		0.00
8) Nitrobenzene-d5	8.717	82	565	0.175	ng		0.00
11) 2-Methylnaphthalene-d10	11.945	152	1139	0.183	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	273	0.177	ng		0.00
15) 2-Fluorobiphenyl	12.838	172	2182	0.192	ng		0.00
27) Fluoranthene-d10	19.008	212	3080	0.198	ng		0.00
31) Terphenyl-d14	19.616	244	2132	0.186	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	457	0.248	ng	#	88
3) n-Nitrosodimethylamine	3.422	42	367	0.201	ng		99
6) bis(2-Chloroethyl)ether	7.004	93	643	0.186	ng		98
9) Naphthalene	10.394	128	2012	0.194	ng		94
10) Hexachlorobutadiene	10.682	225	824	0.201	ng	#	98
12) 2-Methylnaphthalene	12.016	142	1337	0.188	ng		98
16) Acenaphthylene	13.935	152	2108	0.193	ng		99
17) Acenaphthene	14.277	154	1353	0.190	ng		99
18) Fluorene	15.272	166	1867	0.185	ng		98
20) 4,6-Dinitro-2-methylph...	15.378	198	228	0.164	ng	#	46
21) 4-Bromophenyl-phenylether	16.165	248	684	0.179	ng	#	92
22) Hexachlorobenzene	16.276	284	809	0.197	ng		98
23) Atrazine	16.450	200	563	0.186	ng	#	89
24) Pentachlorophenol	16.624	266	445	0.201	ng		94
25) Phenanthrene	17.009	178	2890	0.189	ng		99
26) Anthracene	17.096	178	2632	0.188	ng		98
28) Fluoranthene	19.035	202	3786	0.194	ng		99
30) Pyrene	19.398	202	3891	0.191	ng		99
32) Benzo(a)anthracene	21.153	228	3228	0.191	ng		99
33) Chrysene	21.198	228	4224	0.202	ng		97
34) Bis(2-ethylhexyl)phtha...	21.090	149	1366	0.204	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.532	276	4378	0.180	ng	#	95
37) Benzo(b)fluoranthene	22.696	252	3772	0.185	ng	#	88
38) Benzo(k)fluoranthene	22.740	252	4013	0.184	ng	#	87
39) Benzo(a)pyrene	23.254	252	3352	0.185	ng	#	84
40) Dibenzo(a,h)anthracene	25.555	278	3290	0.176	ng	#	82
41) Benzo(g,h,i)perylene	26.193	276	4258	0.190	ng	#	95

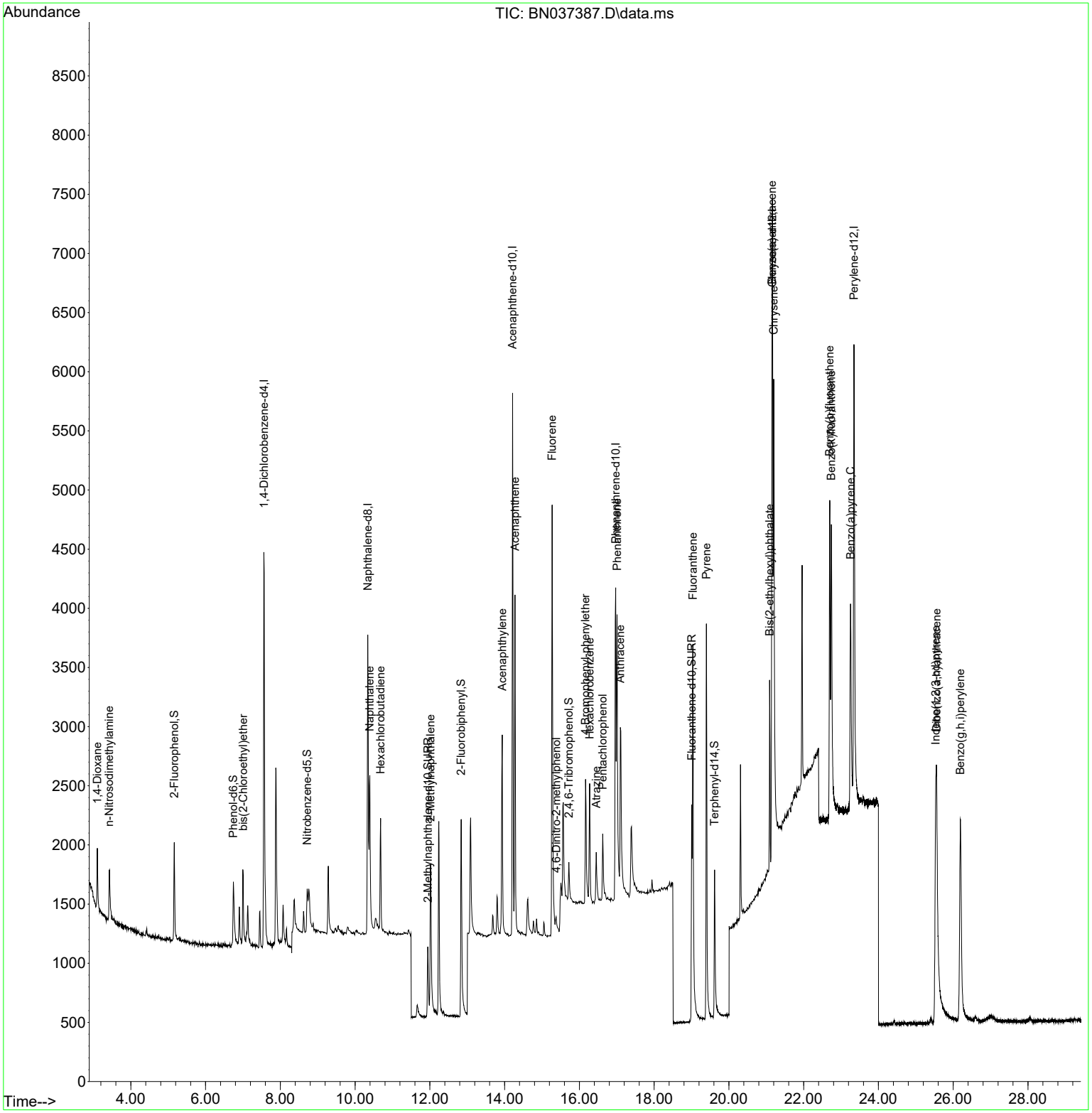
(#) = qualifier out of range (m) = manual integration (+) = signals summed

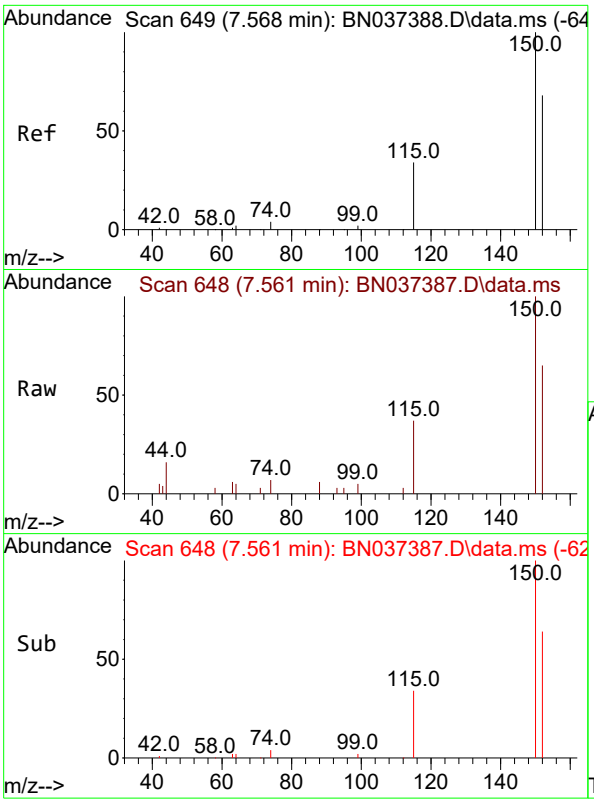
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062625\
Data File : BN037387.D
Acq On : 26 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jun 26 16:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 26 16:05:06 2025
Response via : Initial Calibration



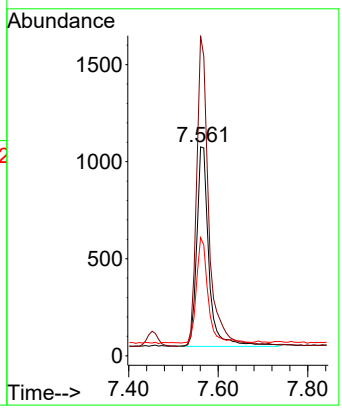


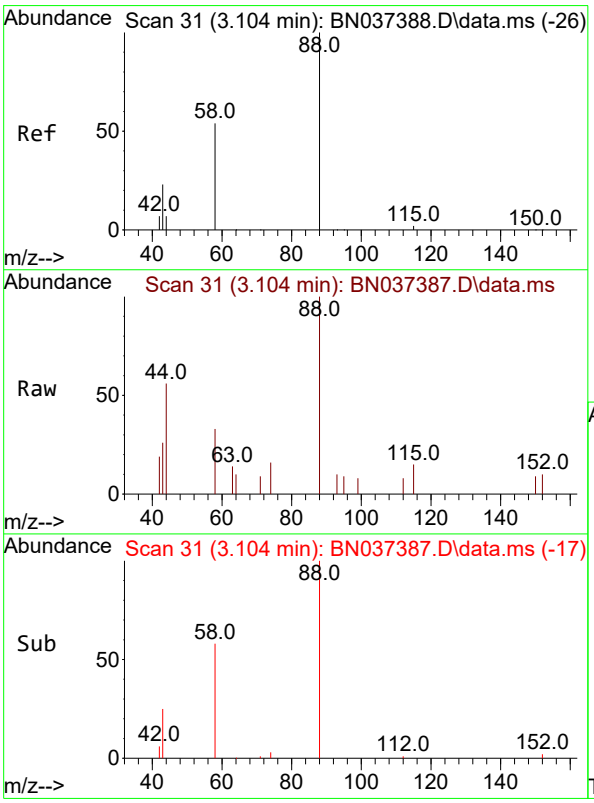
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.561 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1946

Ion	Ratio	Lower	Upper
152	100		
150	153.3	116.2	174.2
115	56.6	42.9	64.3

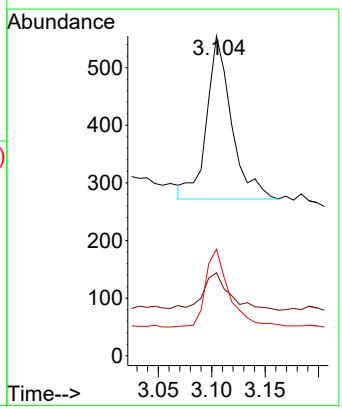


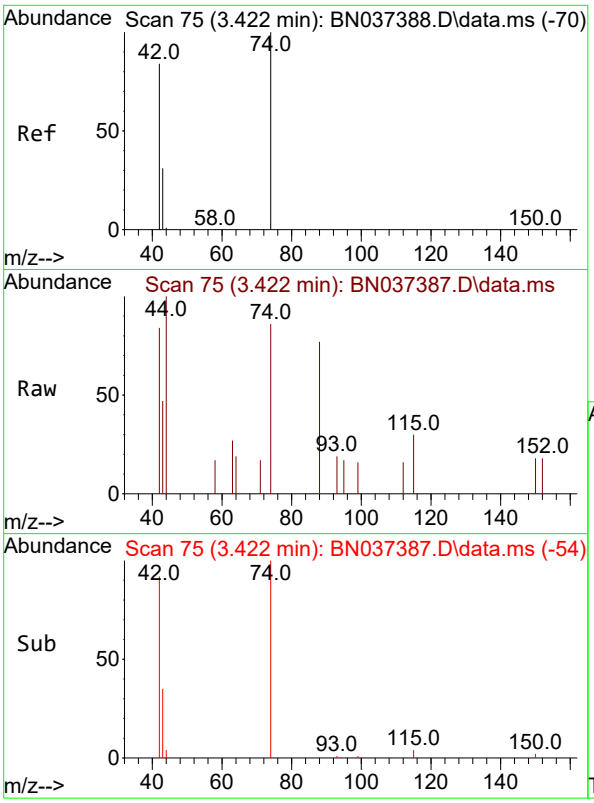


#2
1,4-Dioxane
Concen: 0.248 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion: 88 Resp: 457

Ion	Ratio	Lower	Upper
88	100		
43	24.9	21.6	32.4
58	45.5	45.9	68.9#



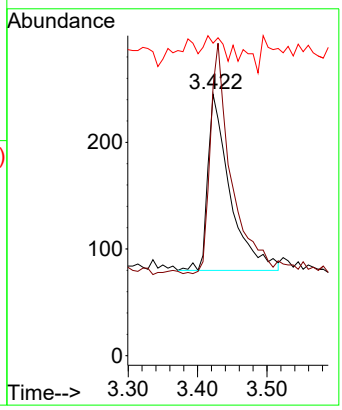


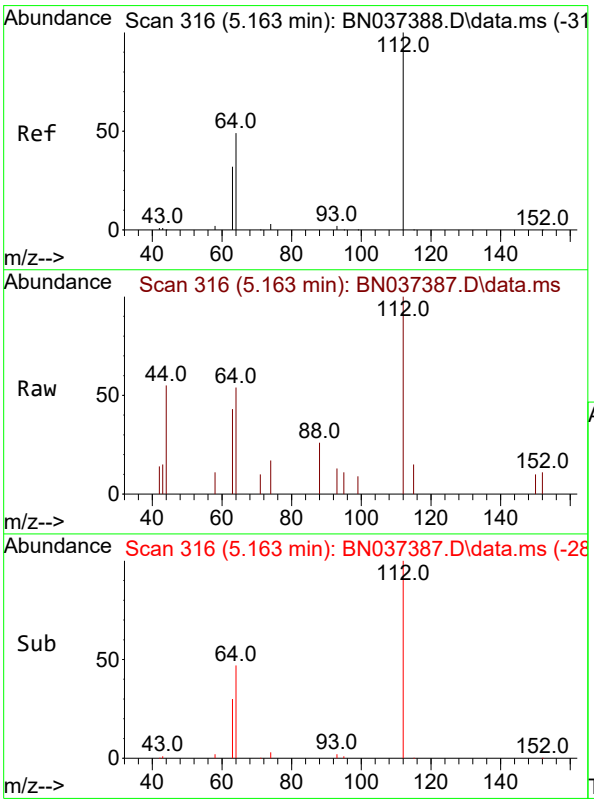
#3
n-Nitrosodimethylamine
Concen: 0.201 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 367

Ion	Ratio	Lower	Upper
42	100		
74	123.2	97.8	146.8
44	11.4	8.7	13.1

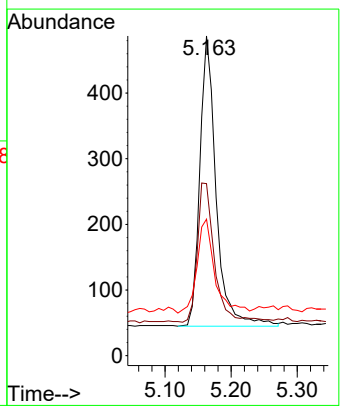


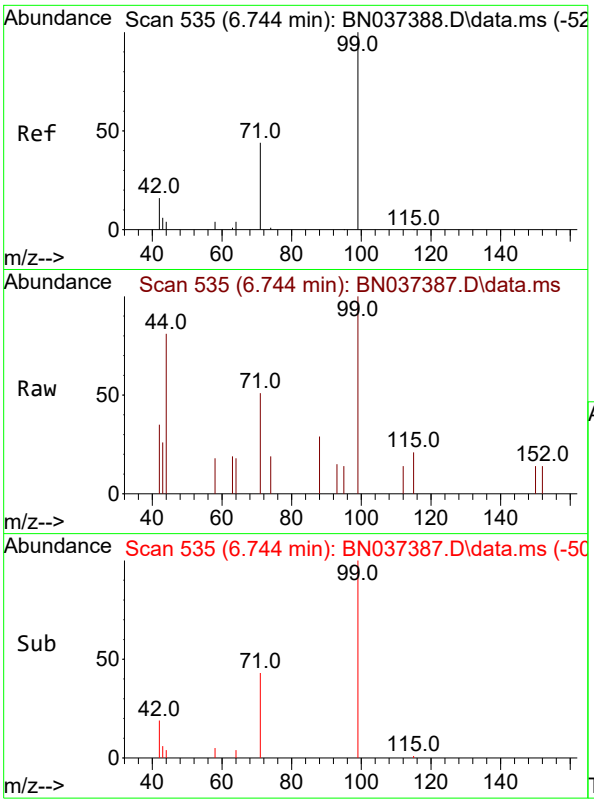


#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.163 min Scan# 316
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:112 Resp: 757

Ion	Ratio	Lower	Upper
112	100		
64	51.0	40.3	60.5
63	35.1	26.1	39.1



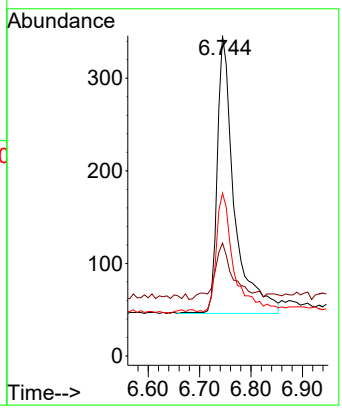


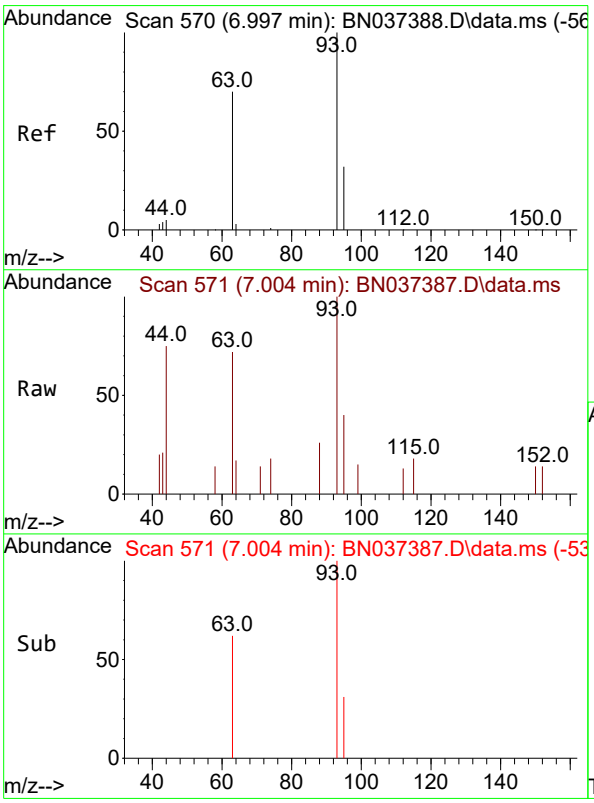
#5
Phenol-d6
Concen: 0.177 ng
RT: 6.744 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 687

Ion	Ratio	Lower	Upper
99	100		
42	23.0	15.6	23.4
71	44.1	35.8	53.8

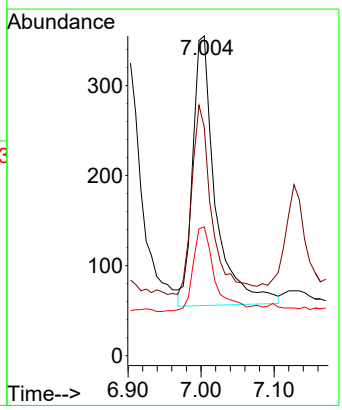


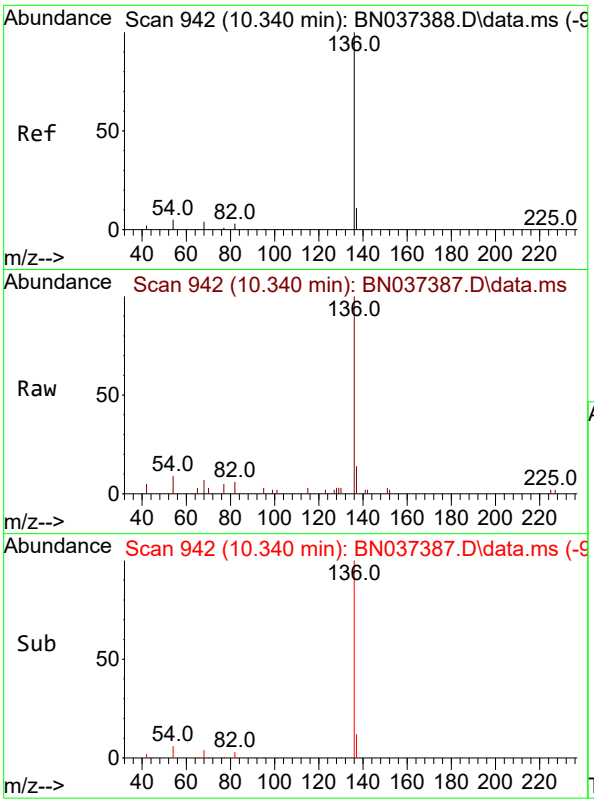


#6
bis(2-Chloroethyl)ether
Concen: 0.186 ng
RT: 7.004 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion: 93 Resp: 643

Ion	Ratio	Lower	Upper
93	100		
63	63.9	49.6	74.4
95	30.2	23.9	35.9



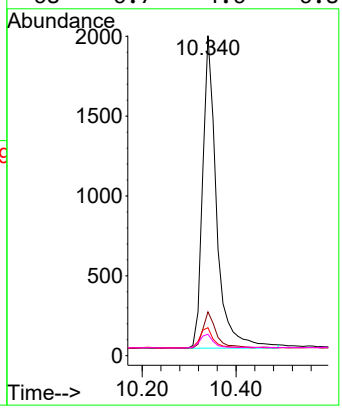


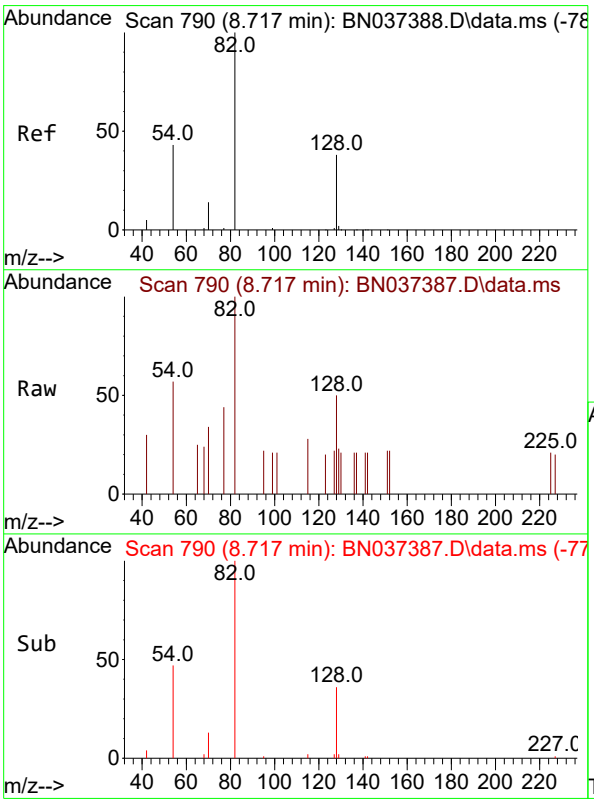
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 4021

Ion	Ratio	Lower	Upper
136	100		
137	13.7	10.4	15.6
54	8.7	5.6	8.4#
68	6.7	4.6	6.8

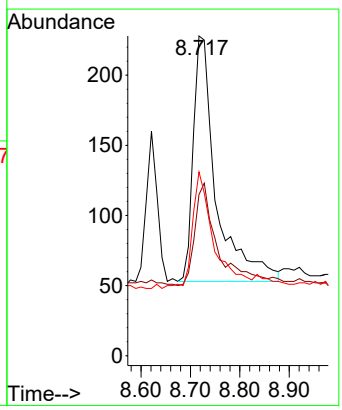


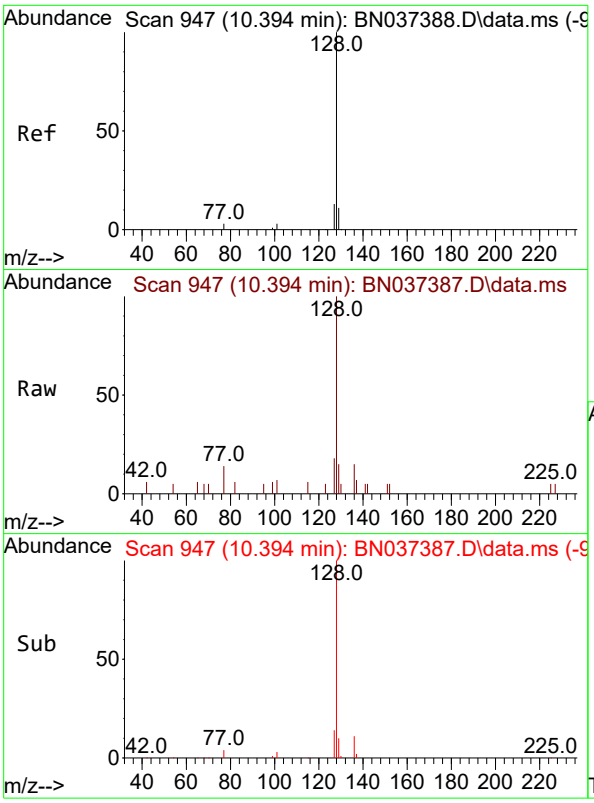


#8
Nitrobenzene-d5
Concen: 0.175 ng
RT: 8.717 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion: 82 Resp: 565

Ion	Ratio	Lower	Upper
82	100		
128	50.4	34.0	51.0
54	57.5	37.7	56.5#



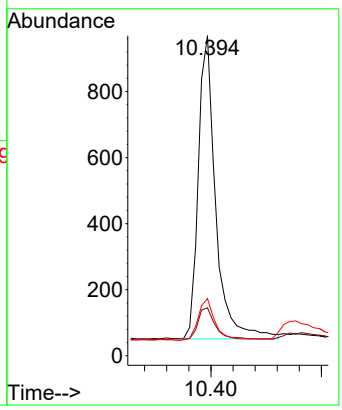


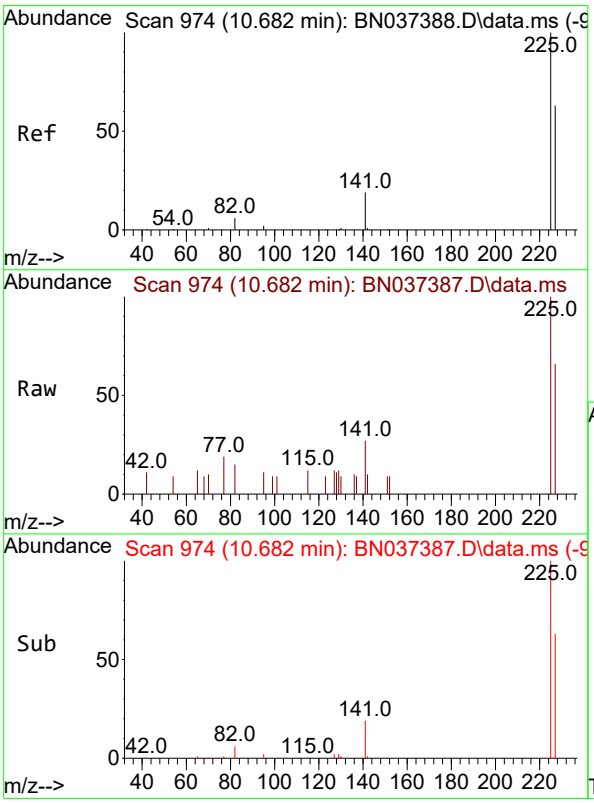
#9
Naphthalene
Concen: 0.194 ng
RT: 10.394 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2012

Ion	Ratio	Lower	Upper
128	100		
129	15.0	10.4	15.6
127	17.9	12.2	18.4

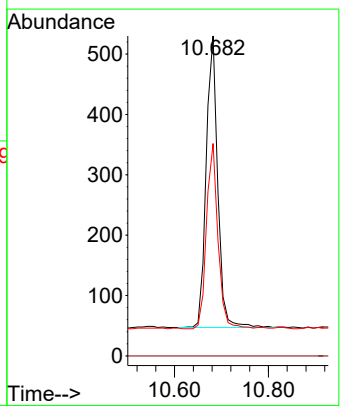


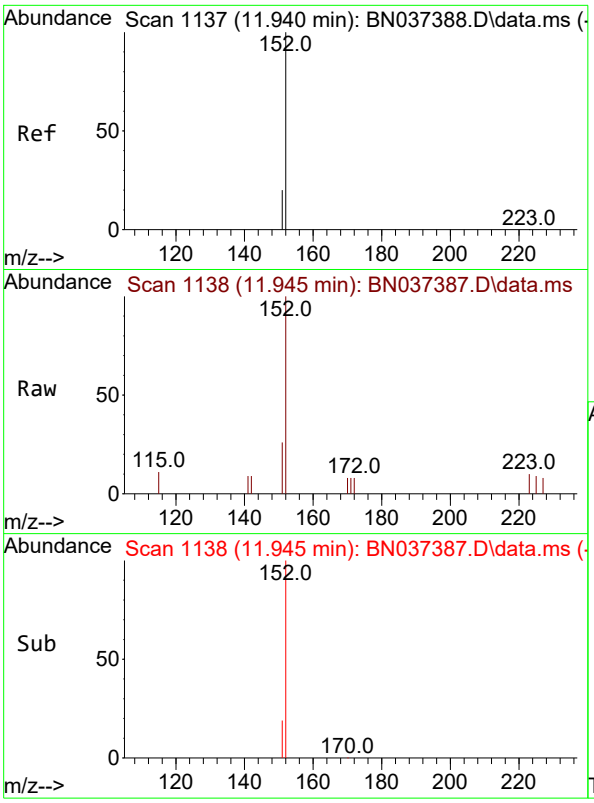


#10
Hexachlorobutadiene
Concen: 0.201 ng
RT: 10.682 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:225 Resp: 824

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	49.9	74.9



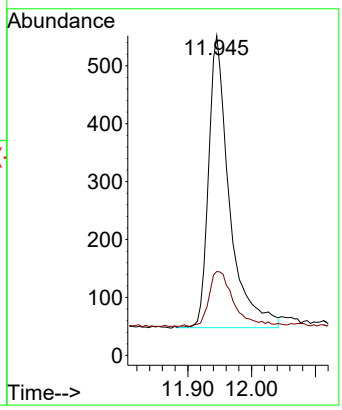


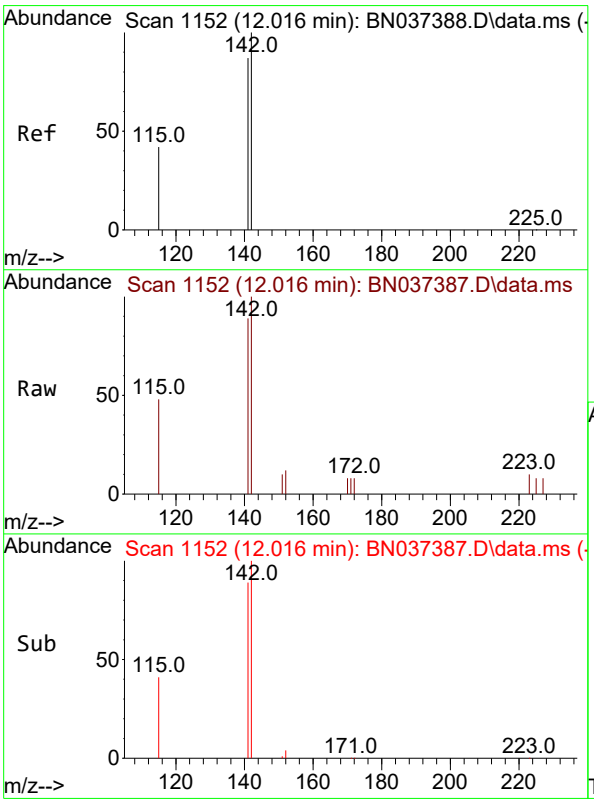
#11
2-Methylnaphthalene-d10
Concen: 0.183 ng
RT: 11.945 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1139

Ion	Ratio	Lower	Upper
152	100		
151	23.1	18.4	27.6

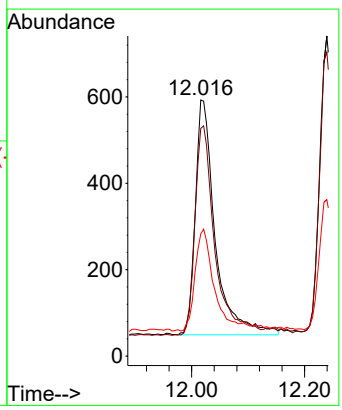


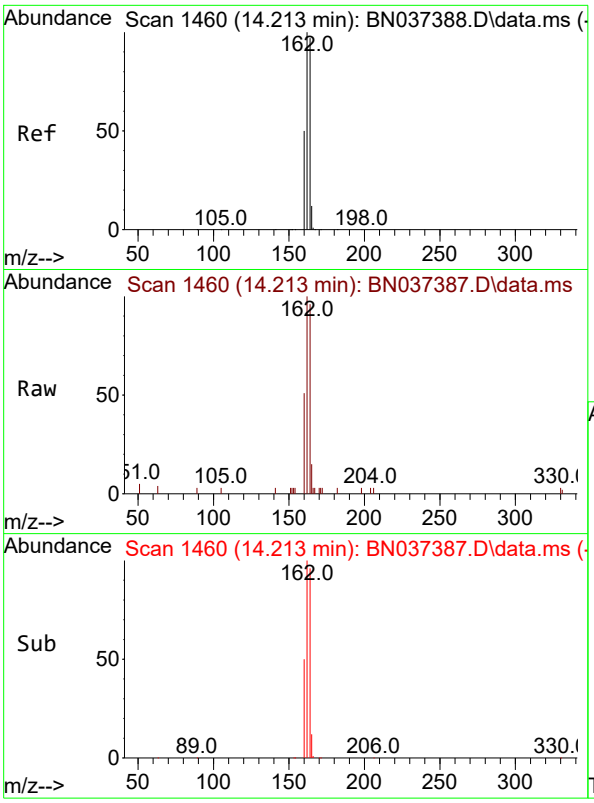


#12
2-Methylnaphthalene
Concen: 0.188 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:142 Resp: 1337

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.1	105.1
115	47.7	35.8	53.6



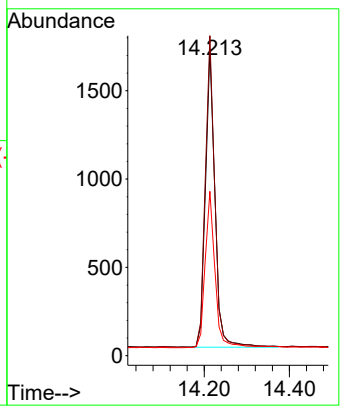


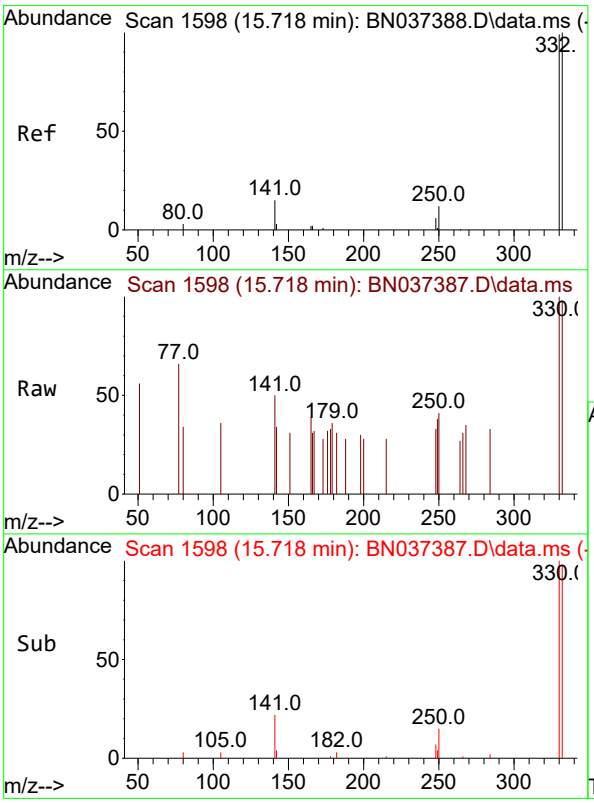
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.213 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 2635

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	53.6	42.2	63.2

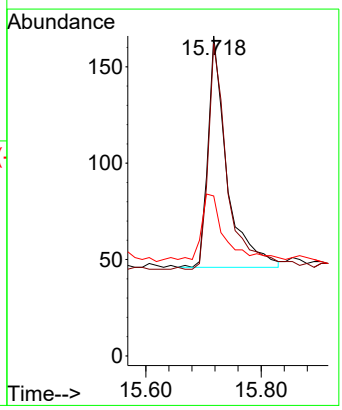


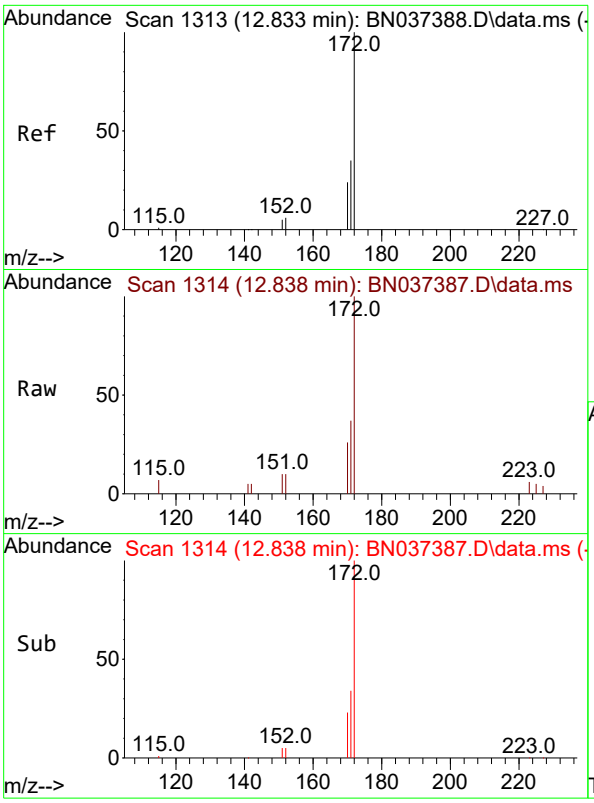


#14
2,4,6-Tribromophenol
Concen: 0.177 ng
RT: 15.718 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:330 Resp: 273

Ion	Ratio	Lower	Upper
330	100		
332	101.8	77.8	116.8
141	35.2	24.0	36.0



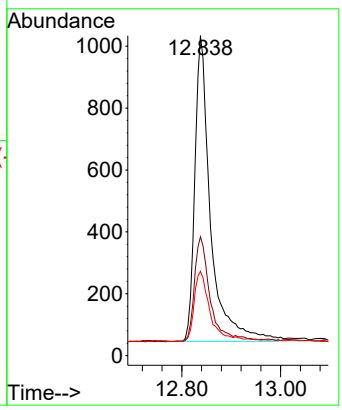


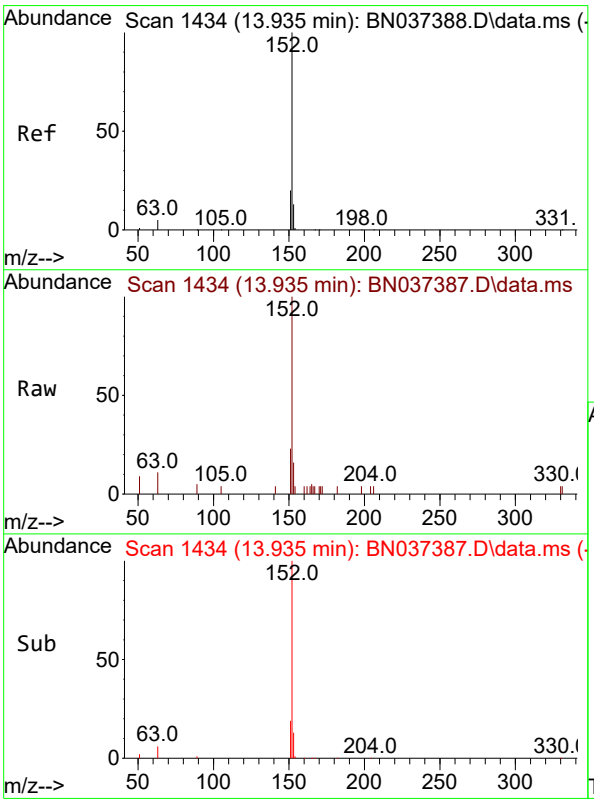
#15
2-Fluorobiphenyl
Concen: 0.192 ng
RT: 12.838 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 2182

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.8	43.2
170	26.4	20.3	30.5

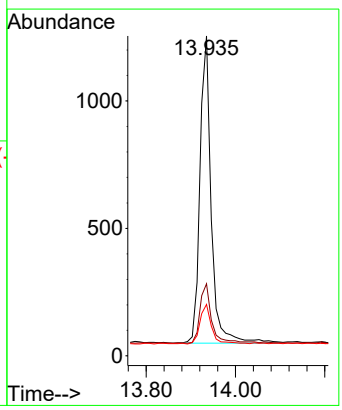


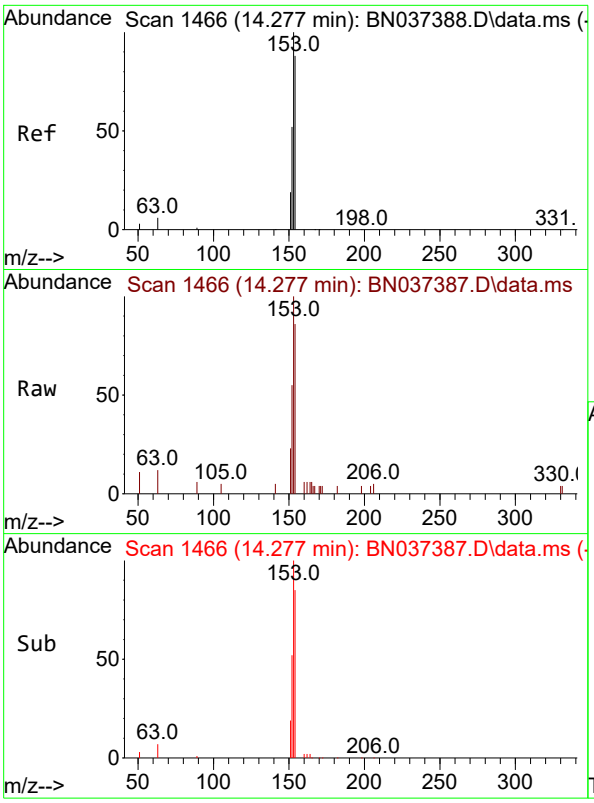


#16
Acenaphthylene
Concen: 0.193 ng
RT: 13.935 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:152 Resp: 2108

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	12.8	10.3	15.5



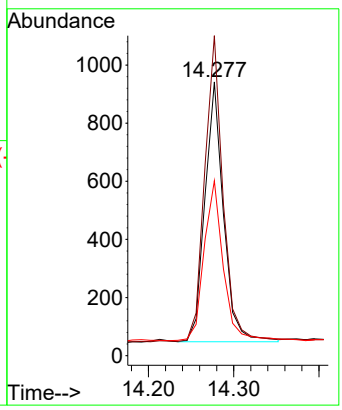


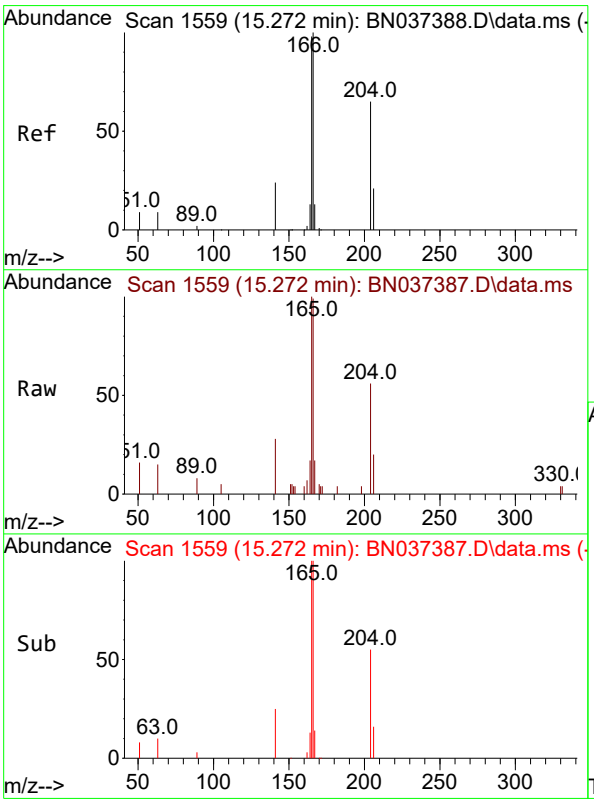
#17
Acenaphthene
Concen: 0.190 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 1353

Ion	Ratio	Lower	Upper
154	100		
153	118.8	94.6	141.8
152	63.5	50.2	75.2

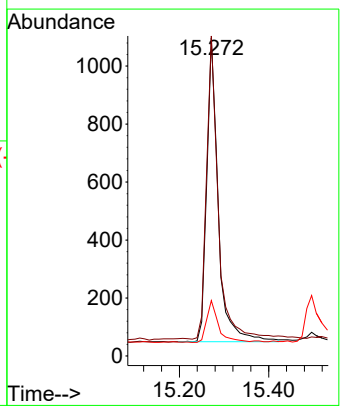


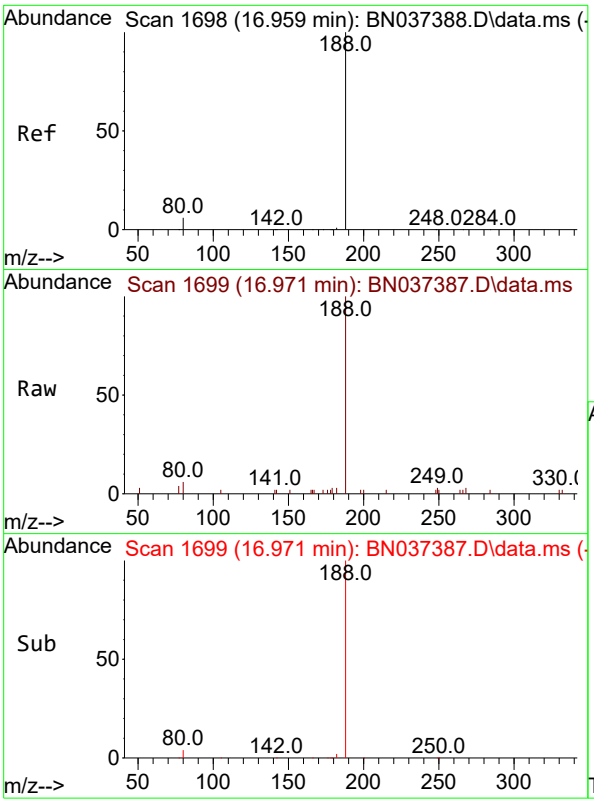


#18
Fluorene
Concen: 0.185 ng
RT: 15.272 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:166 Resp: 1867

Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.4	119.2
167	14.0	10.6	15.8



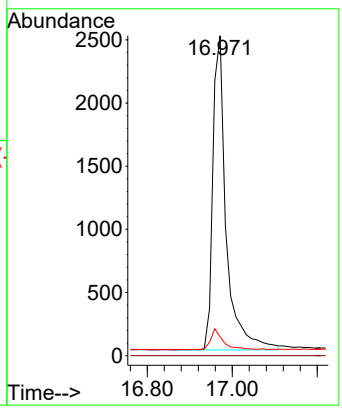


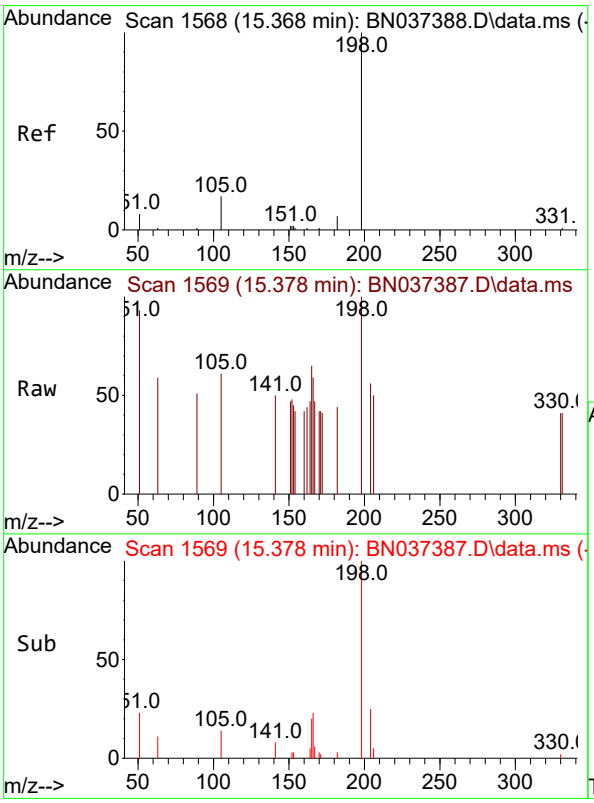
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 5416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.8	6.2	9.4#

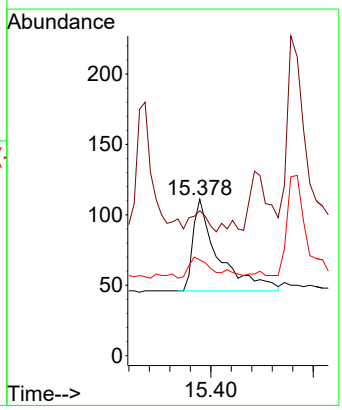


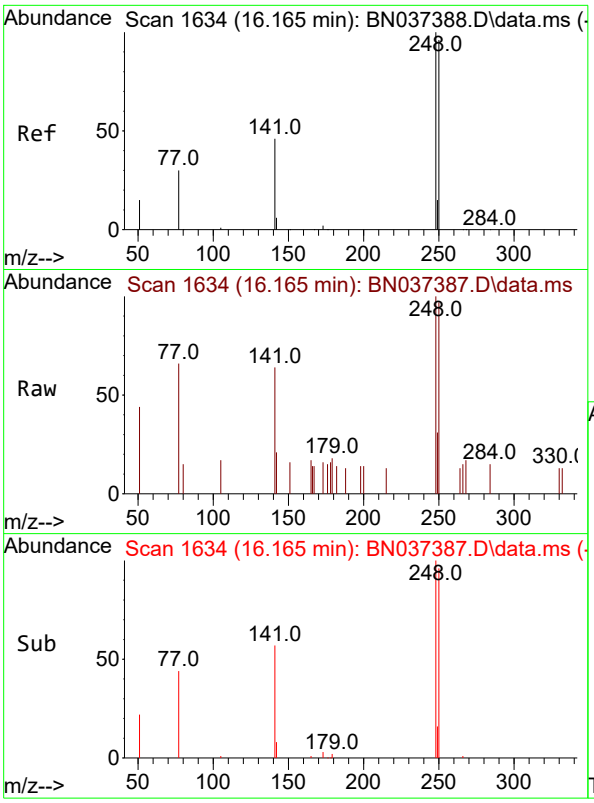


#20
4,6-Dinitro-2-methylphenol
Concen: 0.164 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.011 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:198 Resp: 228

Ion	Ratio	Lower	Upper
198	100		
51	92.8	38.8	58.2#
105	61.3	29.8	44.6#



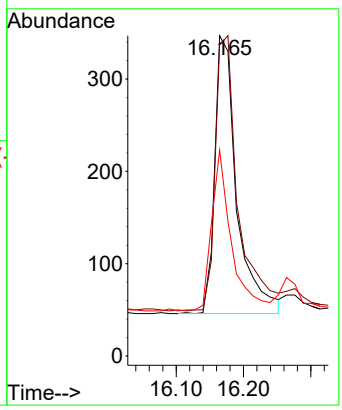


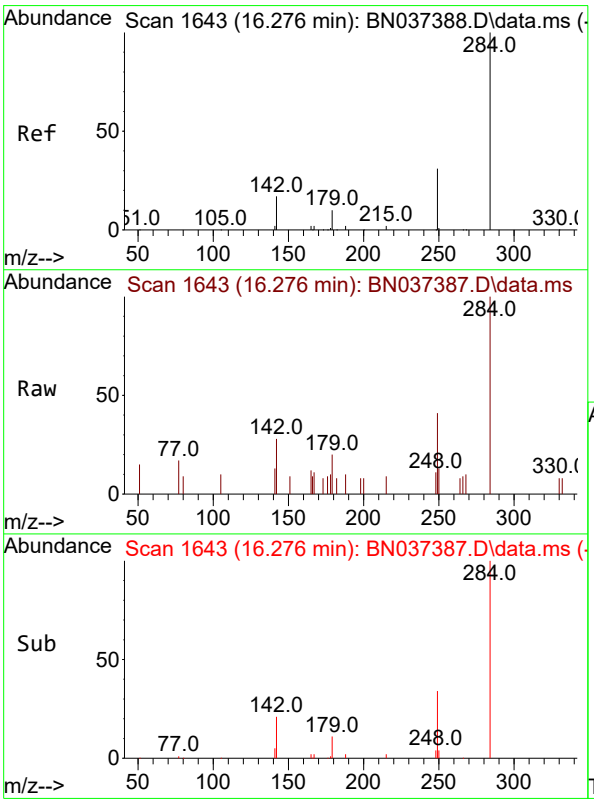
#21
4-Bromophenyl-phenylether
Concen: 0.179 ng
RT: 16.165 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 684

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.0	115.4
141	64.3	38.7	58.1#

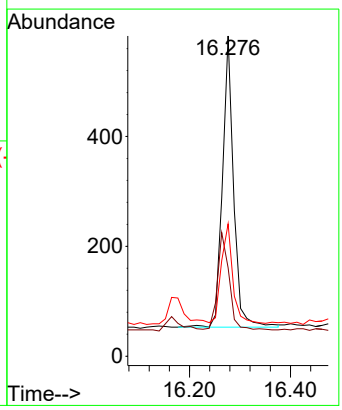


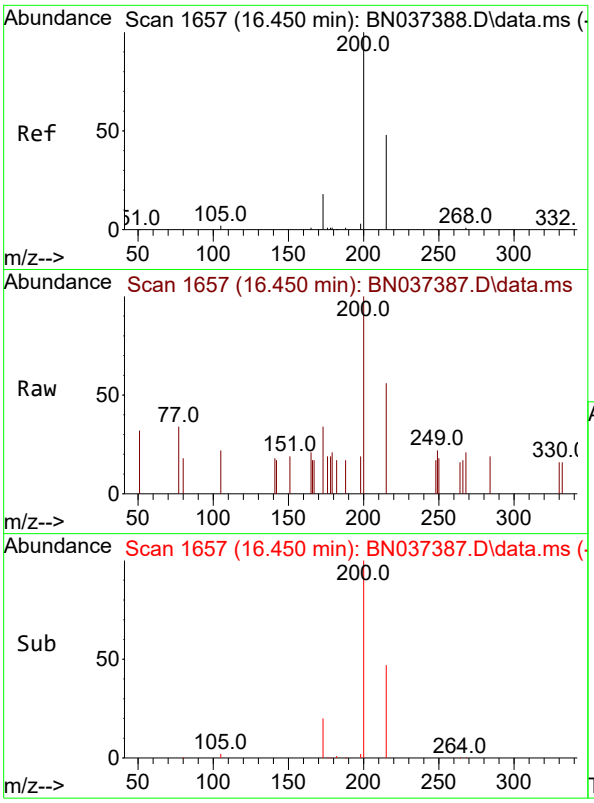


#22
Hexachlorobenzene
Concen: 0.197 ng
RT: 16.276 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:284 Resp: 809

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.2	40.8
249	35.1	26.7	40.1



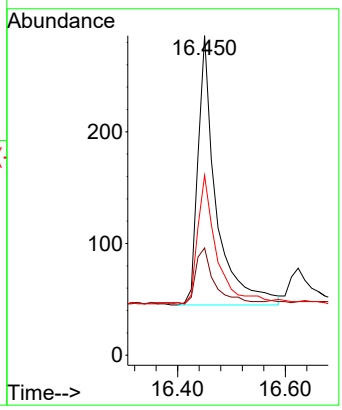


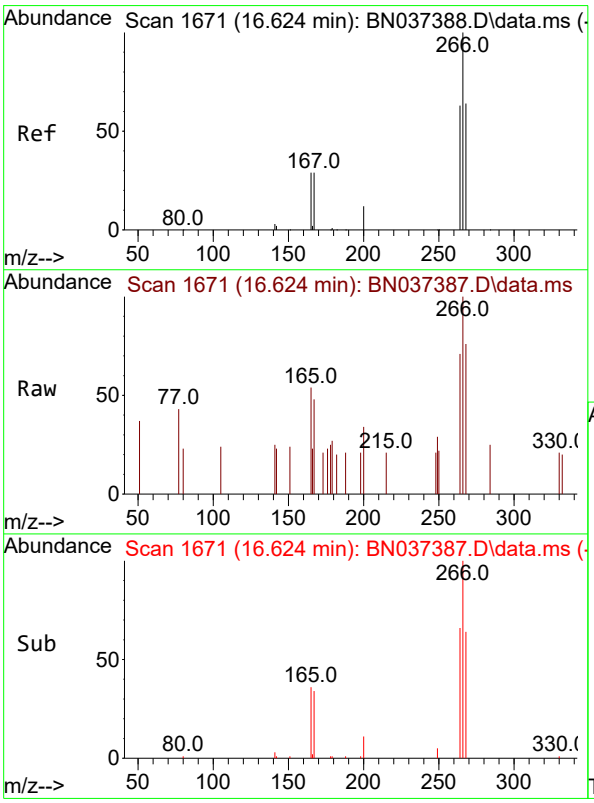
#23
Atrazine
Concen: 0.186 ng
RT: 16.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 563

Ion	Ratio	Lower	Upper
200	100		
173	33.6	19.0	28.6#
215	56.3	41.3	61.9

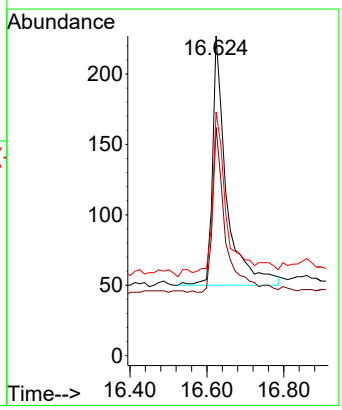


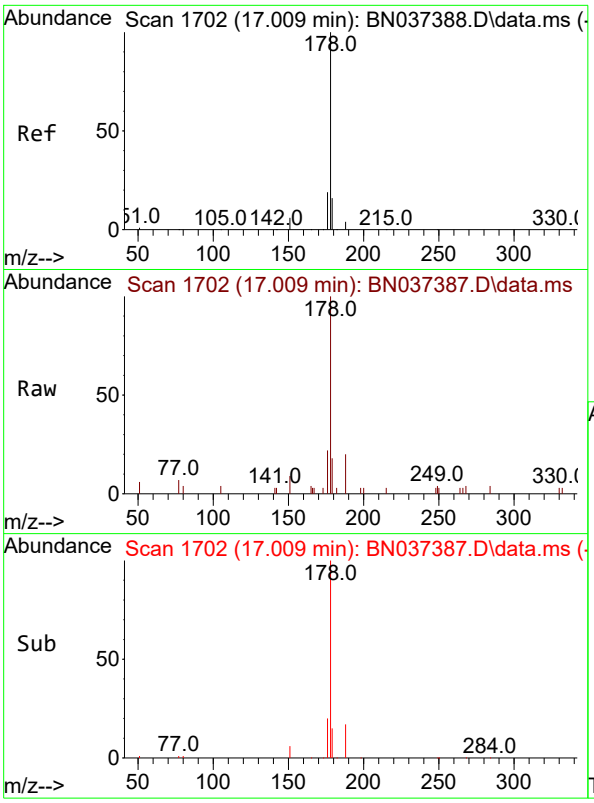


#24
Pentachlorophenol
Concen: 0.201 ng
RT: 16.624 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:266 Resp: 445

Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.2	73.8
268	59.1	54.2	81.4



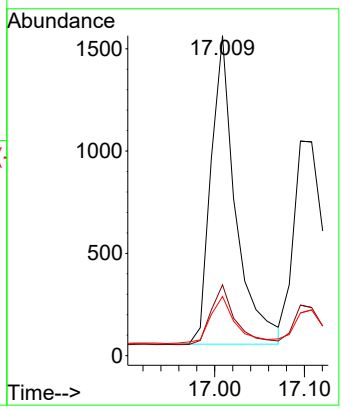


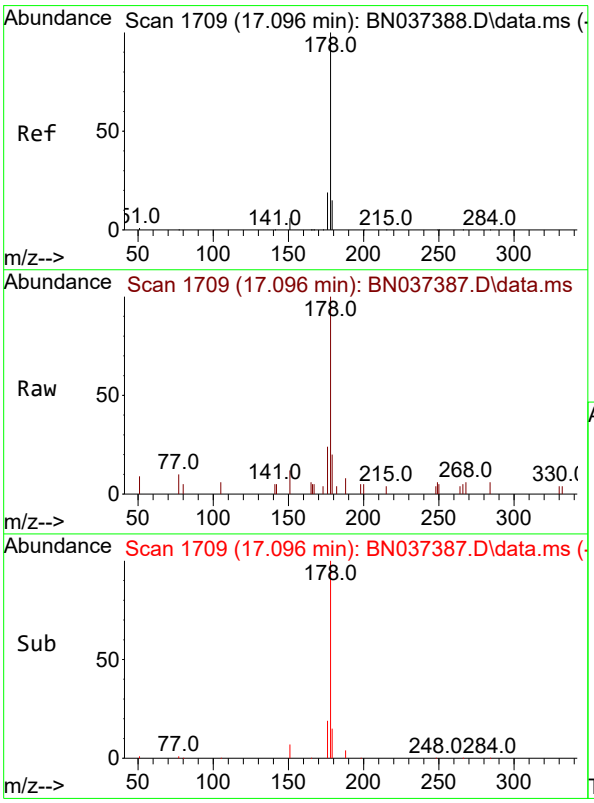
#25
Phenanthrene
Concen: 0.189 ng
RT: 17.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 2890

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.7	12.8	19.2

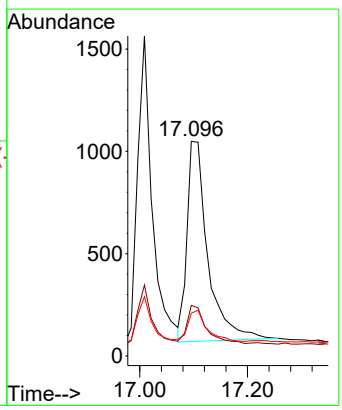


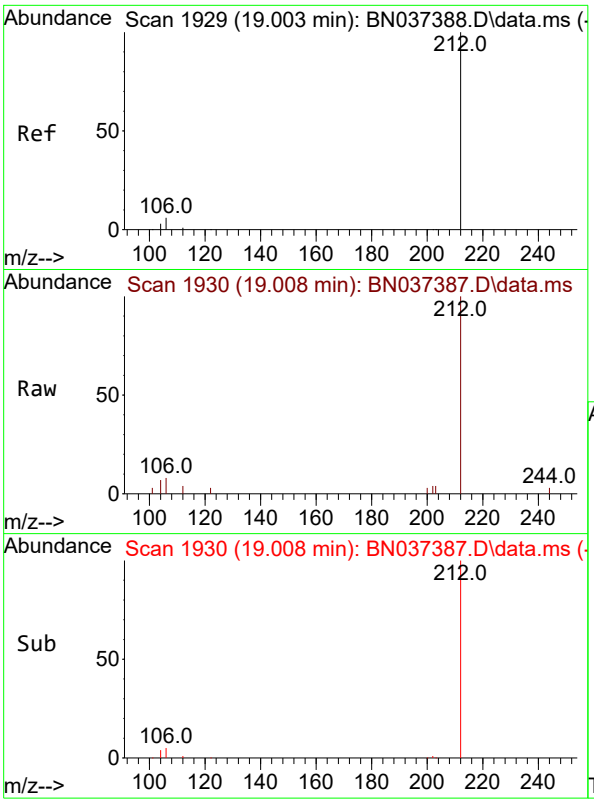


#26
Anthracene
Concen: 0.188 ng
RT: 17.096 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:178 Resp: 2632

Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.9	22.3
179	15.5	12.4	18.6



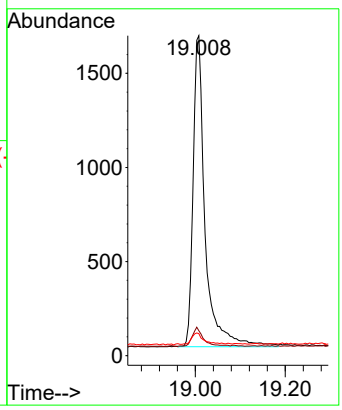


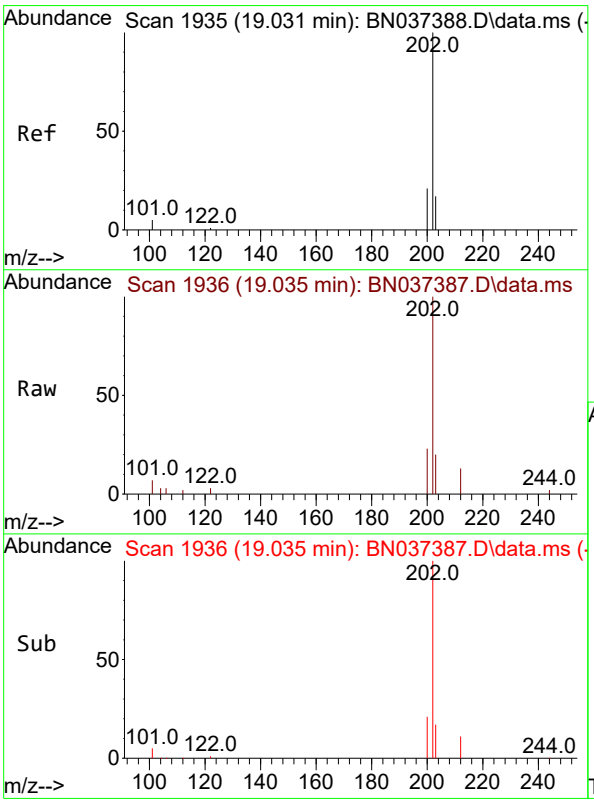
#27
Fluoranthene-d10
Concen: 0.198 ng
RT: 19.008 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 3080

Ion	Ratio	Lower	Upper
212	100		
106	5.6	4.5	6.7
104	3.8	2.7	4.1

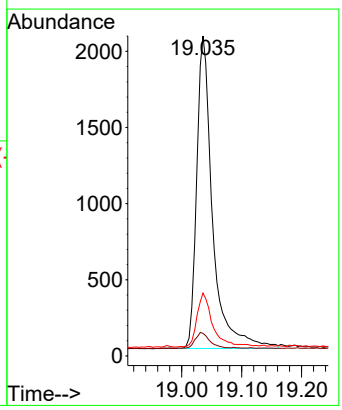


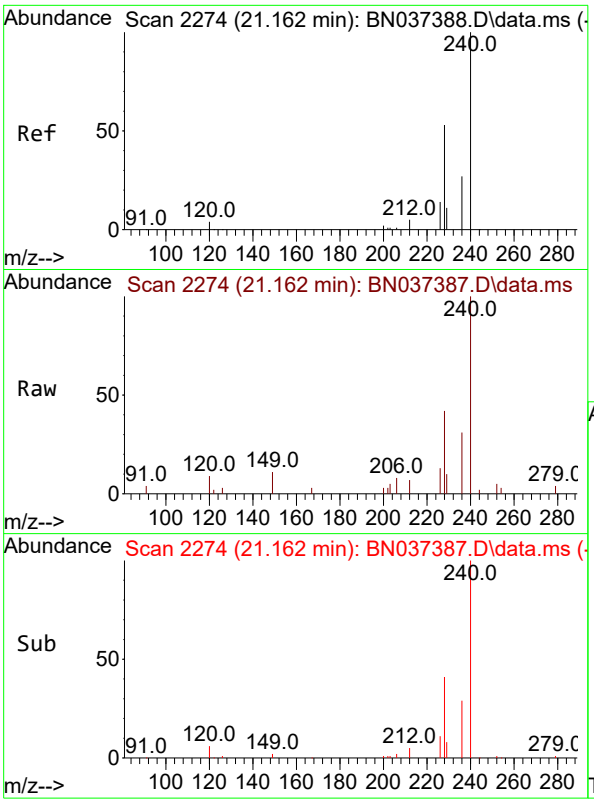


#28
Fluoranthene
Concen: 0.194 ng
RT: 19.035 min Scan# 1936
Delta R.T. 0.005 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:202 Resp: 3786

Ion	Ratio	Lower	Upper
202	100		
101	4.8	3.8	5.6
203	17.2	13.5	20.3



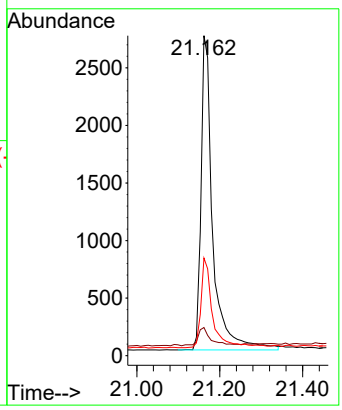


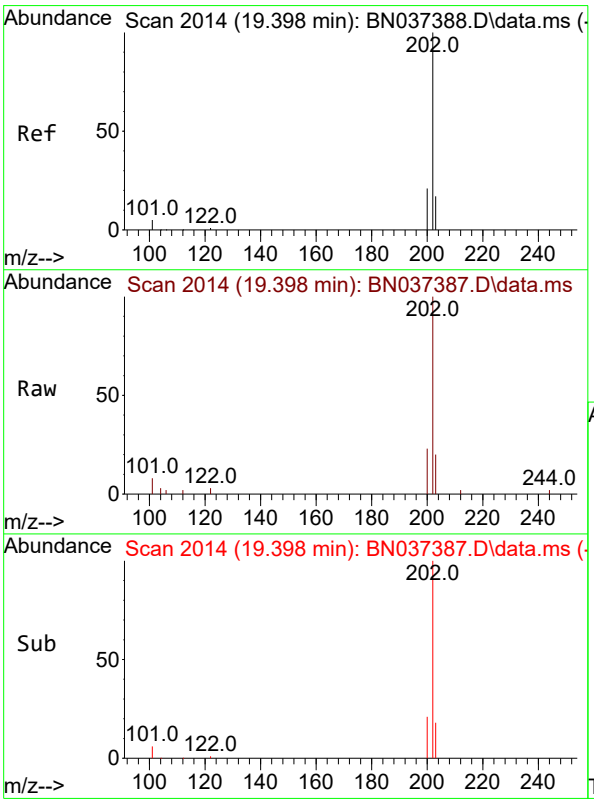
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 5370

Ion	Ratio	Lower	Upper
240	100		
120	8.8	5.3	7.9#
236	30.5	22.7	34.1

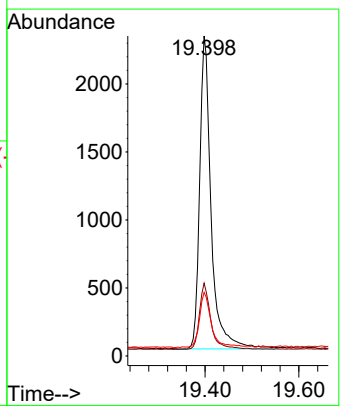


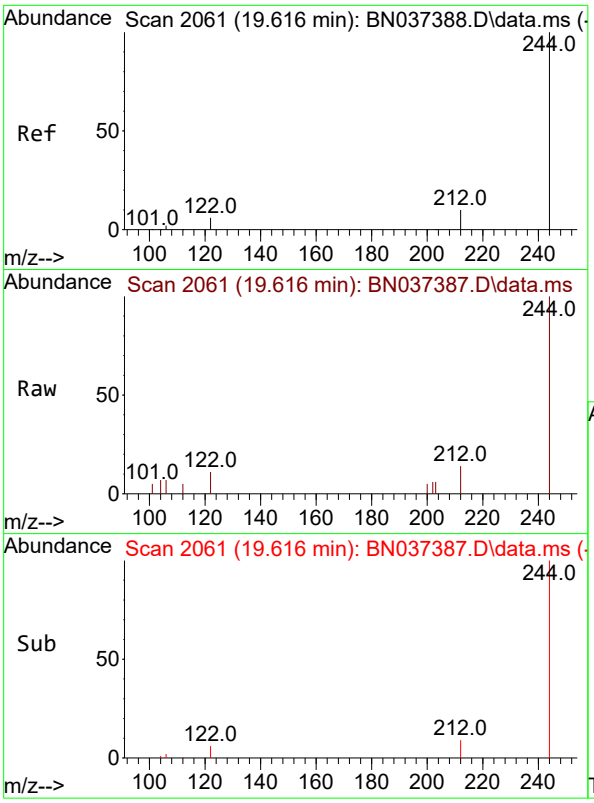


#30
Pyrene
Concen: 0.191 ng
RT: 19.398 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:202 Resp: 3891

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	18.6	14.2	21.2



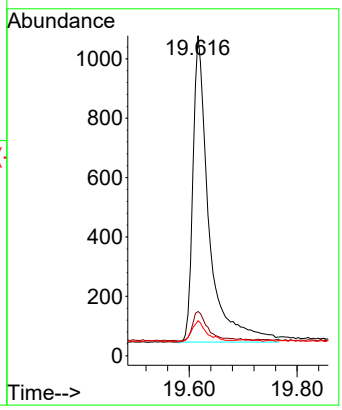


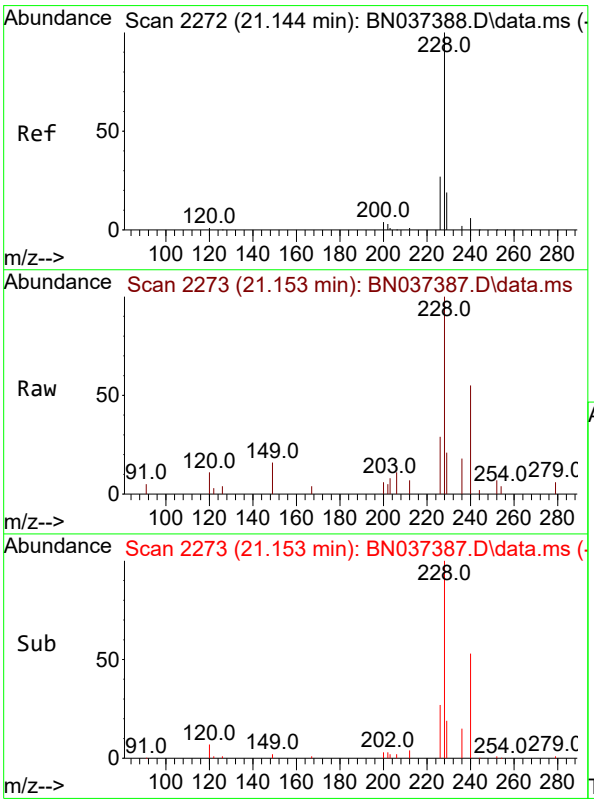
#31
Terphenyl-d14
Concen: 0.186 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 2132

Ion	Ratio	Lower	Upper
244	100		
212	13.8	9.1	13.7#
122	10.9	6.3	9.5#

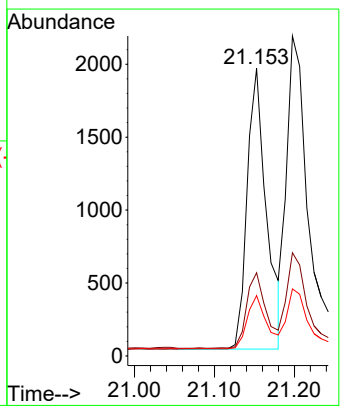


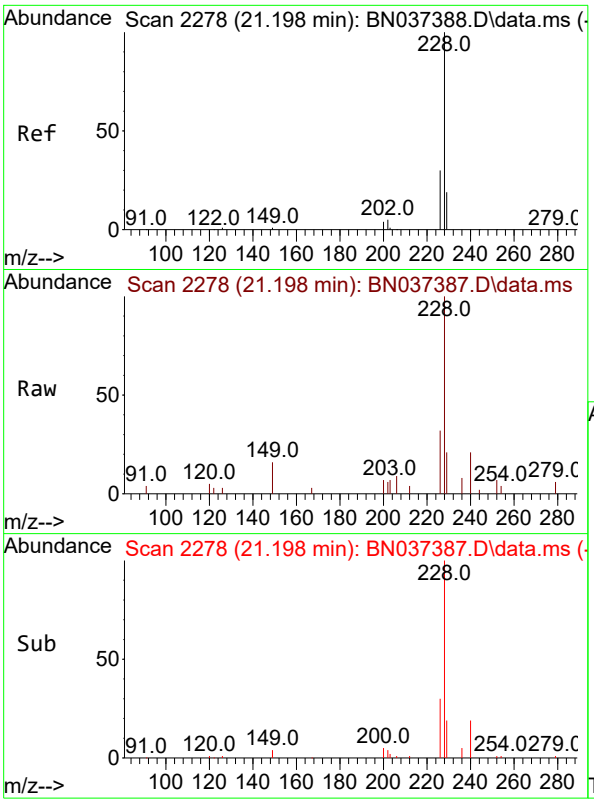


#32
Benzo(a)anthracene
Concen: 0.191 ng
RT: 21.153 min Scan# 2273
Delta R.T. 0.009 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:228 Resp: 3228

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	34.0
229	21.0	16.2	24.2



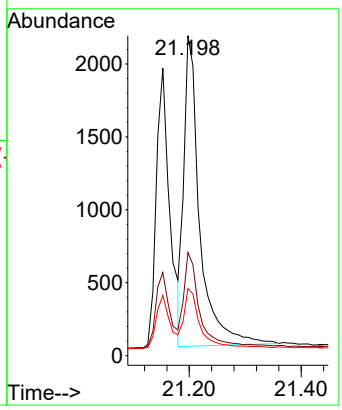


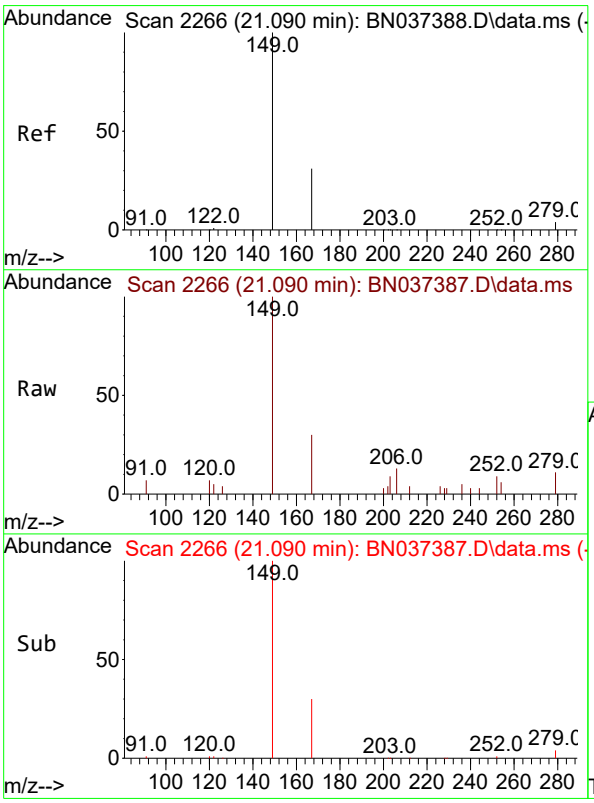
#33
Chrysene
Concen: 0.202 ng
RT: 21.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 4224

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.5	36.7
229	20.9	16.1	24.1

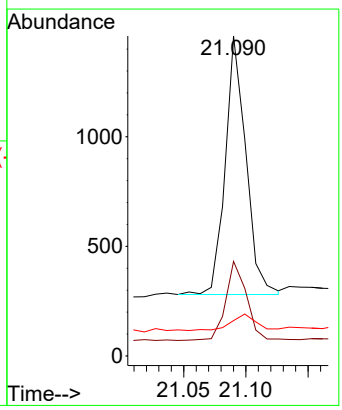


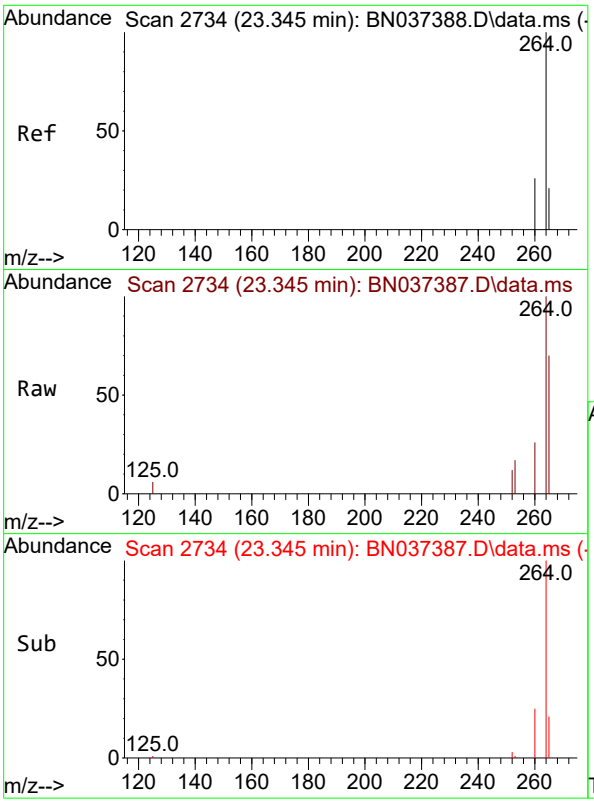


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.204 ng
RT: 21.090 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:149 Resp: 1366

Ion	Ratio	Lower	Upper
149	100		
167	30.9	24.8	37.2
279	7.6	5.0	7.6#



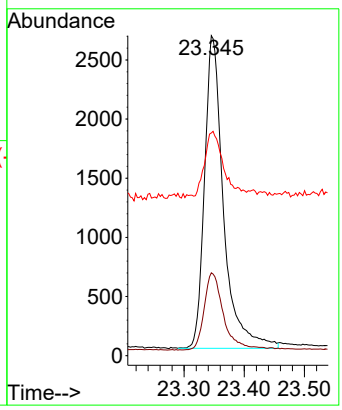


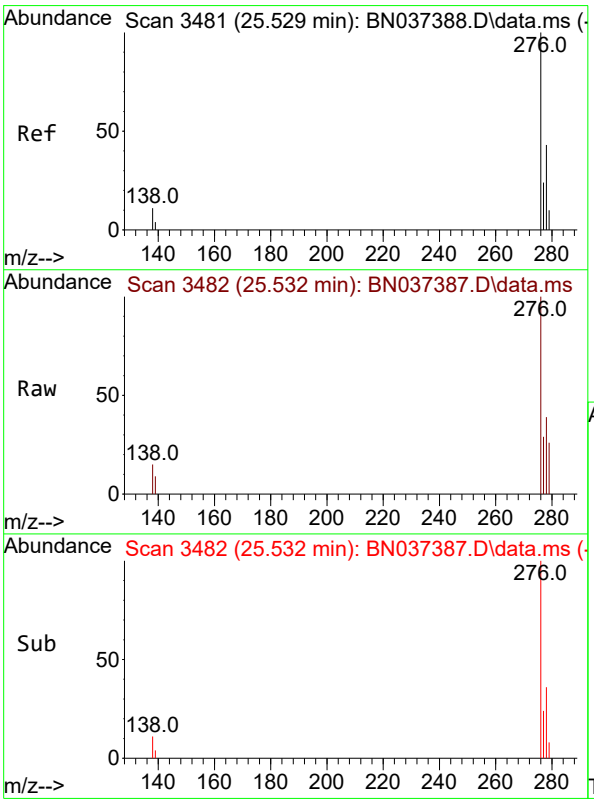
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 5780

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.0
265	69.6	56.2	84.4

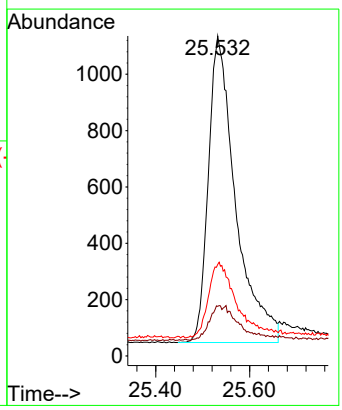


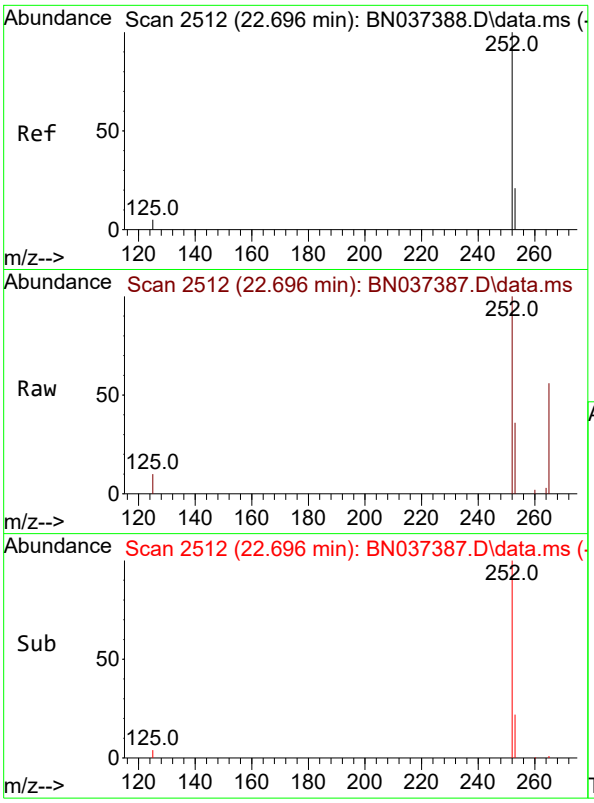


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.180 ng
RT: 25.532 min Scan# 3482
Delta R.T. 0.003 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:276 Resp: 4378

Ion	Ratio	Lower	Upper
276	100		
138	5.3	8.5	12.7#
277	25.4	19.7	29.5



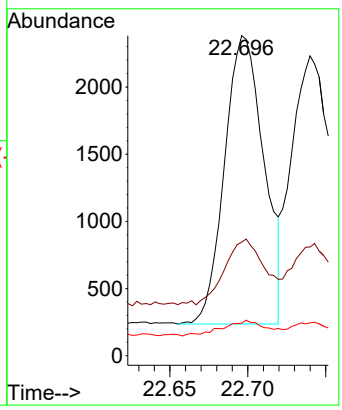


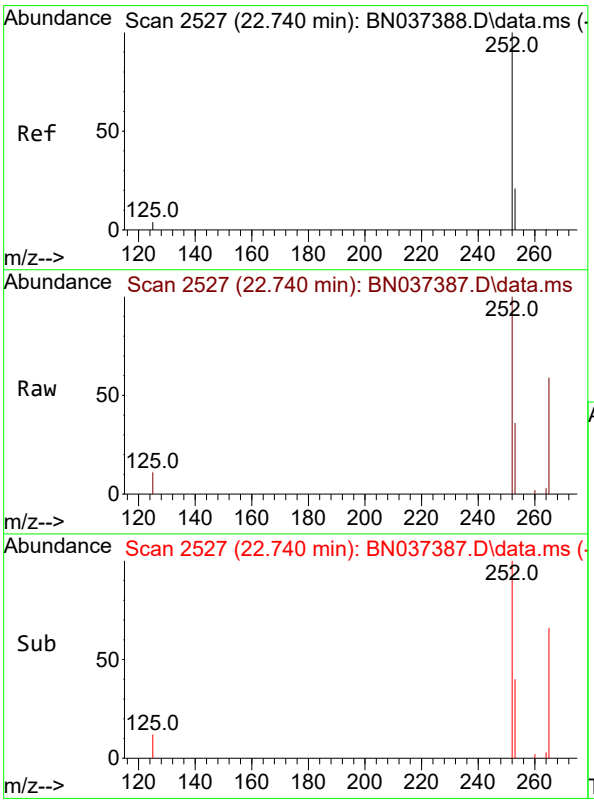
#37
Benzo(b)fluoranthene
Concen: 0.185 ng
RT: 22.696 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3772

Ion	Ratio	Lower	Upper
252	100		
253	35.5	22.8	34.2#
125	10.2	6.2	9.4#

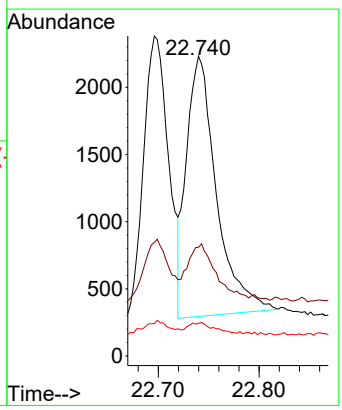


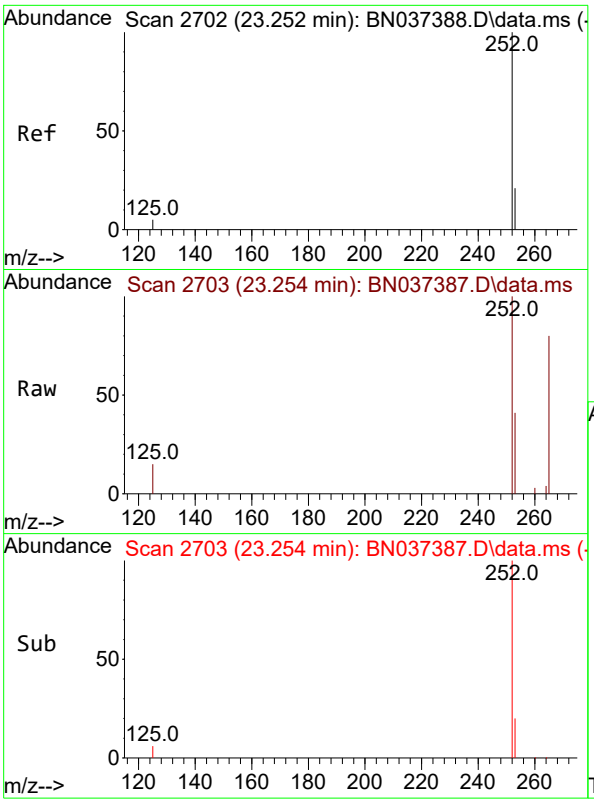


#38
Benzo(k)fluoranthene
Concen: 0.184 ng
RT: 22.740 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:252 Resp: 4013

Ion	Ratio	Lower	Upper
252	100		
253	36.2	23.2	34.8#
125	11.0	6.0	9.0#



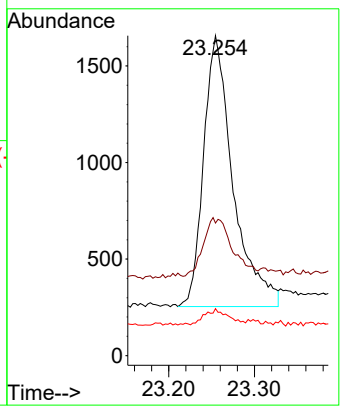


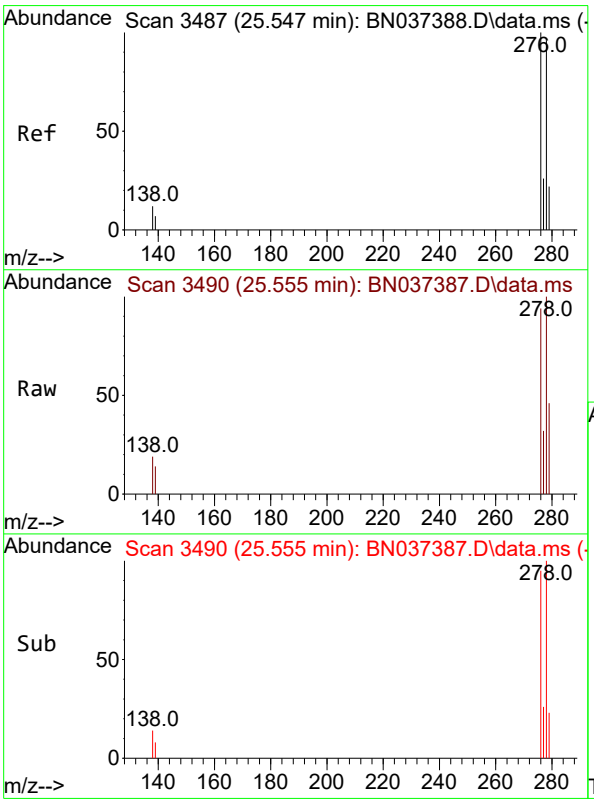
#39
Benzo(a)pyrene
Concen: 0.185 ng
RT: 23.254 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3352

Ion	Ratio	Lower	Upper
252	100		
253	41.5	25.6	38.4#
125	14.7	7.5	11.3#

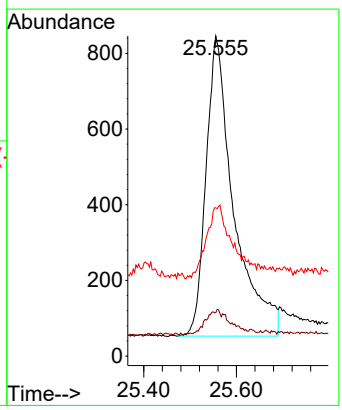


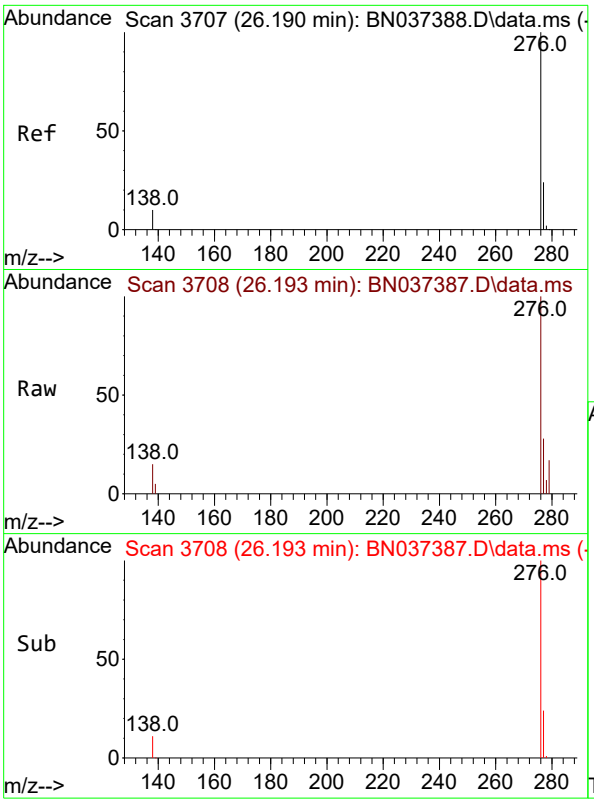


#40
Dibenzo(a,h)anthracene
Concen: 0.176 ng
RT: 25.555 min Scan# 3490
Delta R.T. 0.009 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Tgt Ion:278 Resp: 3290

Ion	Ratio	Lower	Upper
278	100		
139	13.6	8.5	12.7#
279	46.3	27.5	41.3#





#41
Benzo(g,h,i)perylene
Concen: 0.190 ng
RT: 26.193 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037387.D
Acq: 26 Jun 2025 11:17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 4258

Ion	Ratio	Lower	Upper
276	100		
277	27.8	21.0	31.4
138	15.3	9.6	14.4#