Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

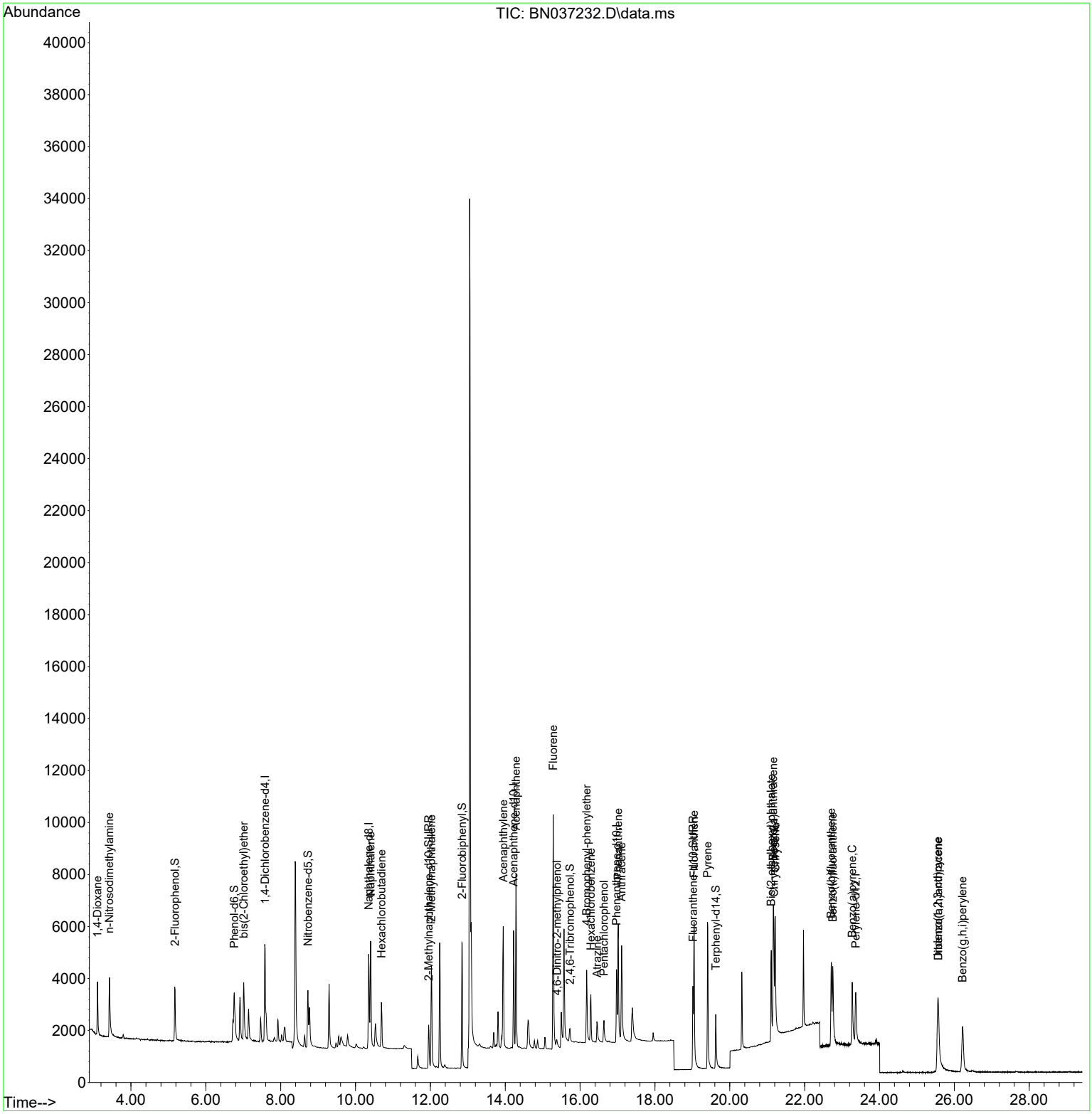
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.582	152	1986	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	4902	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	2552	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	4515	0.400	ng		0.00
29) Chrysene-d12	21.180	240	3230	0.400	ng		0.00
35) Perylene-d12	23.366	264	3076	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	1716	0.352	ng		0.00
5) Phenol-d6	6.759	99	1849	0.360	ng		0.00
8) Nitrobenzene-d5	8.728	82	1988	0.410	ng		0.00
11) 2-Methylnaphthalene-d10	11.955	152	2615	0.398	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	327	0.308	ng		0.00
15) 2-Fluorobiphenyl	12.848	172	4427	0.413	ng		0.00
27) Fluoranthene-d10	19.017	212	4358	0.369	ng		0.00
31) Terphenyl-d14	19.625	244	3044	0.417	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	1095	0.402	ng		91
3) n-Nitrosodimethylamine	3.422	42	2259	0.364	ng	#	91
6) bis(2-Chloroethyl)ether	7.012	93	2110	0.458	ng		89
9) Naphthalene	10.404	128	5483	0.386	ng		97
10) Hexachlorobutadiene	10.693	225	1319	0.382	ng	#	97
12) 2-Methylnaphthalene	12.026	142	3073	0.356	ng		99
16) Acenaphthylene	13.946	152	5109	0.409	ng		98
17) Acenaphthene	14.288	154	3050	0.378	ng		99
18) Fluorene	15.282	166	3826	0.369	ng		100
20) 4,6-Dinitro-2-methylph...	15.378	198	326	0.392	ng		92
21) 4-Bromophenyl-phenylether	16.177	248	1082	0.368	ng		97
22) Hexachlorobenzene	16.289	284	1296	0.380	ng		98
23) Atrazine	16.450	200	1004	0.383	ng		89
24) Pentachlorophenol	16.636	266	540	0.323	ng		95
25) Phenanthrene	17.021	178	5458	0.381	ng		99
26) Anthracene	17.108	178	4934	0.376	ng		100
28) Fluoranthene	19.045	202	5935	0.354	ng		98
30) Pyrene	19.407	202	5948	0.392	ng		100
32) Benzo(a)anthracene	21.162	228	4183	0.384	ng		99
33) Chrysene	21.215	228	5302	0.390	ng		98
34) Bis(2-ethylhexyl)phtha...	21.108	149	3027	0.373	ng		100
36) Indeno(1,2,3-cd)pyrene	25.558	276	4825	0.389	ng		99
37) Benzo(b)fluoranthene	22.711	252	4122	0.366	ng		96
38) Benzo(k)fluoranthene	22.752	252	4721	0.363	ng		98
39) Benzo(a)pyrene	23.272	252	4086	0.404	ng	#	93
40) Dibenzo(a,h)anthracene	25.573	278	3443	0.365	ng		94
41) Benzo(g,h,i)perylene	26.219	276	4068	0.354	ng		97

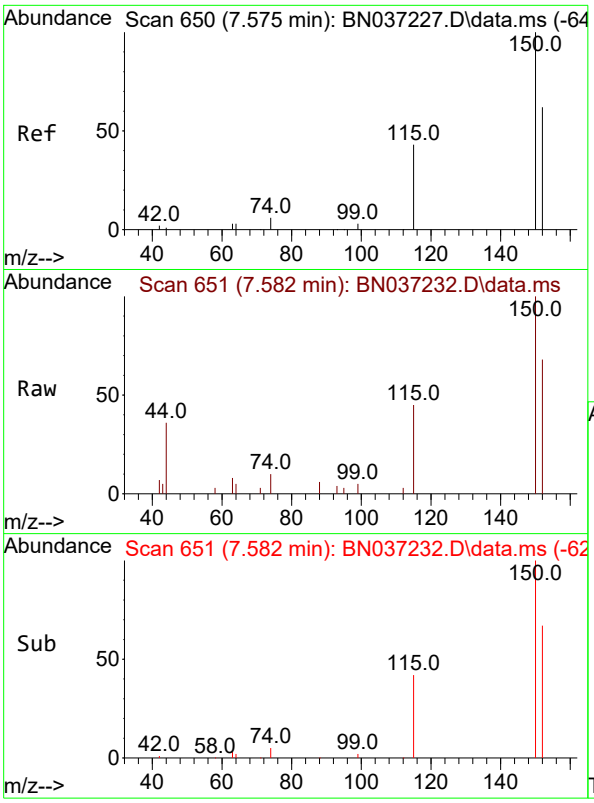
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



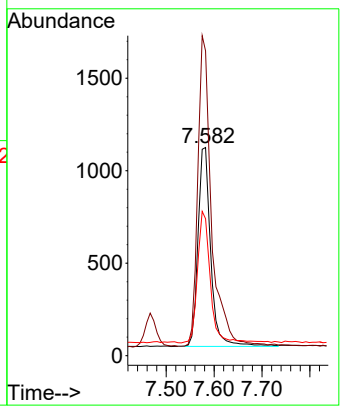


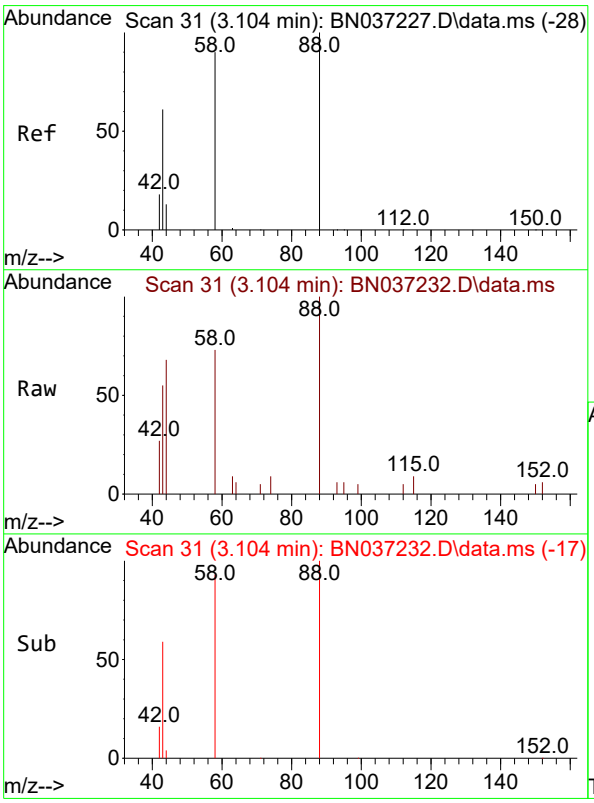
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:152 Resp: 1986

Ion	Ratio	Lower	Upper
152	100		
150	146.5	125.2	187.8
115	65.8	58.4	87.6

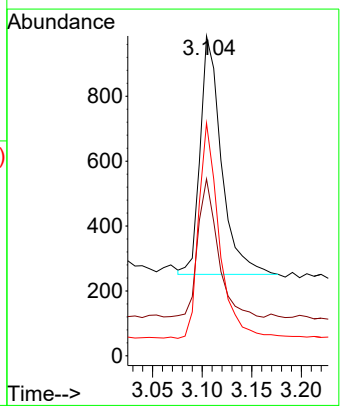


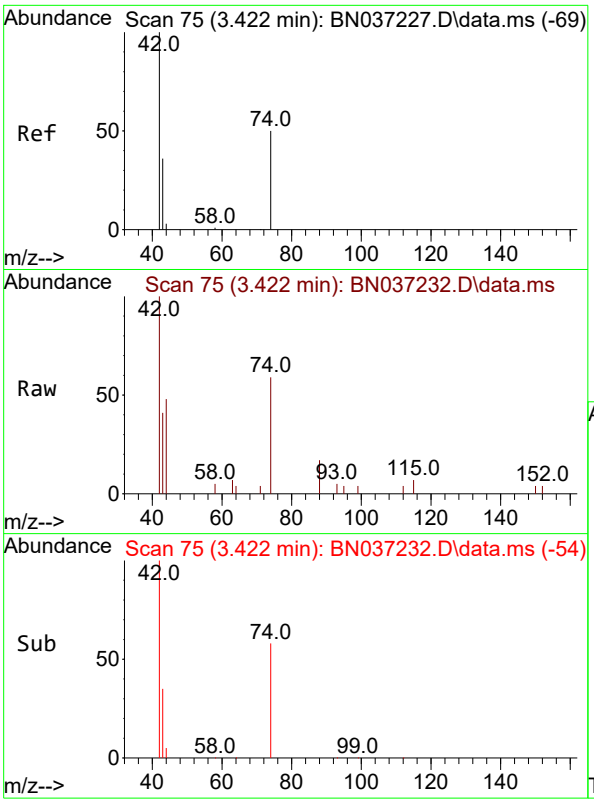


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 88 Resp: 1095

Ion	Ratio	Lower	Upper
88	100		
43	54.6	52.6	79.0
58	86.8	73.5	110.3



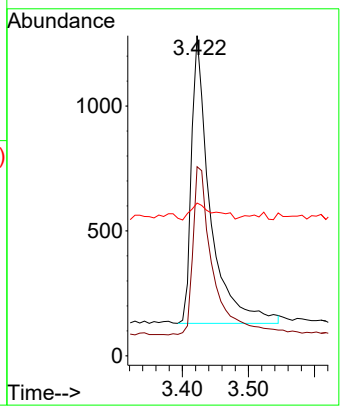


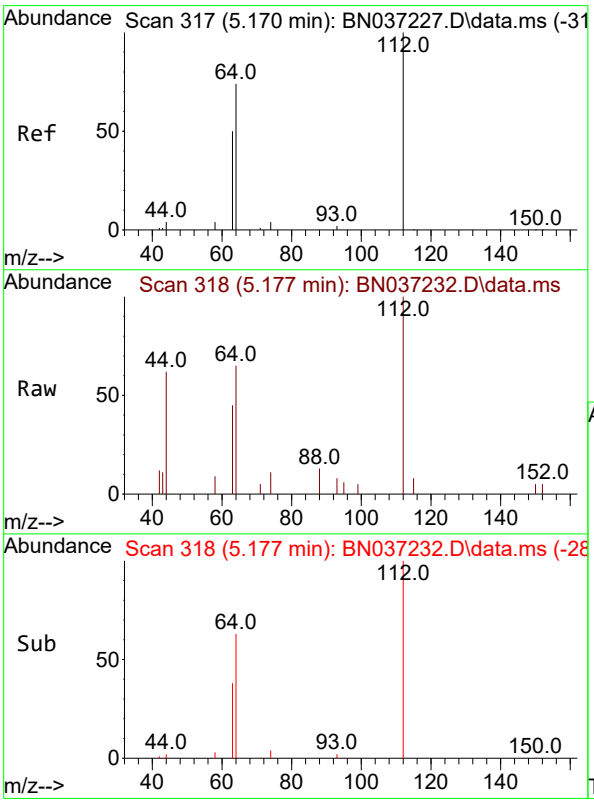
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion: 42 Resp: 2259

Ion	Ratio	Lower	Upper
42	100		
74	62.0	44.6	66.8
44	7.5	3.5	5.3#

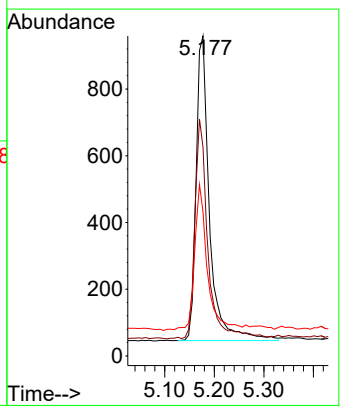


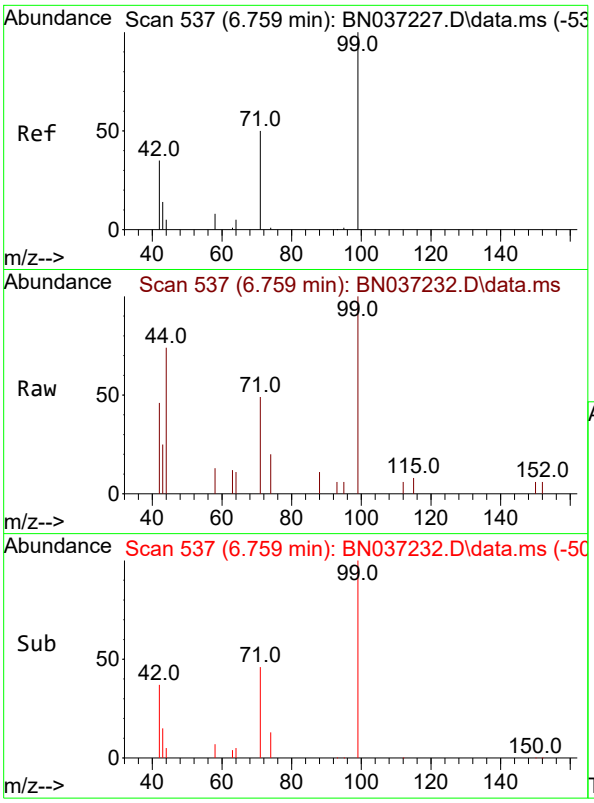


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:112 Resp: 1716

Ion	Ratio	Lower	Upper
112	100		
64	70.6	57.2	85.8
63	45.6	39.8	59.6



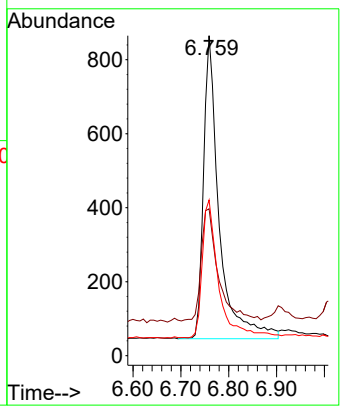


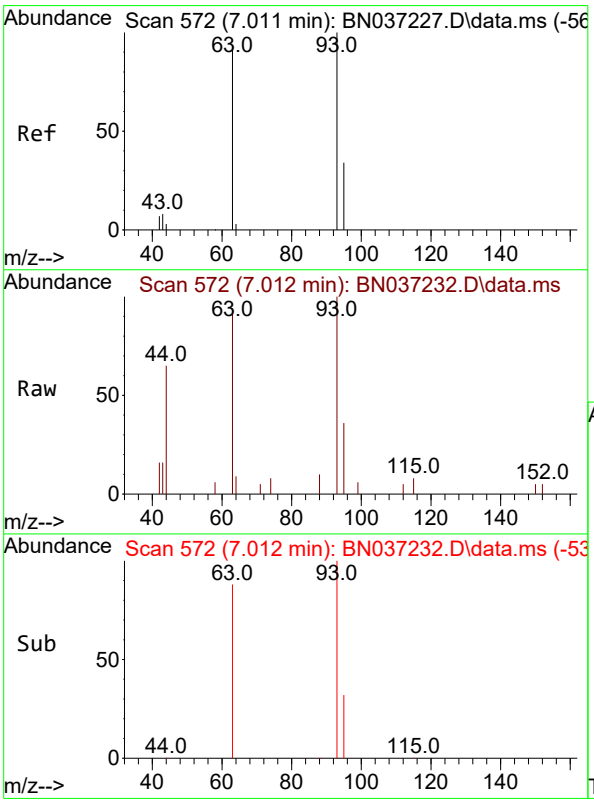
#5
Phenol-d6
Concen: 0.360 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion: 99 Resp: 1849

Ion	Ratio	Lower	Upper
99	100		
42	40.9	36.2	54.4
71	48.2	42.4	63.6

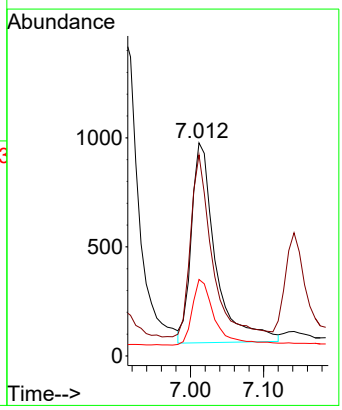


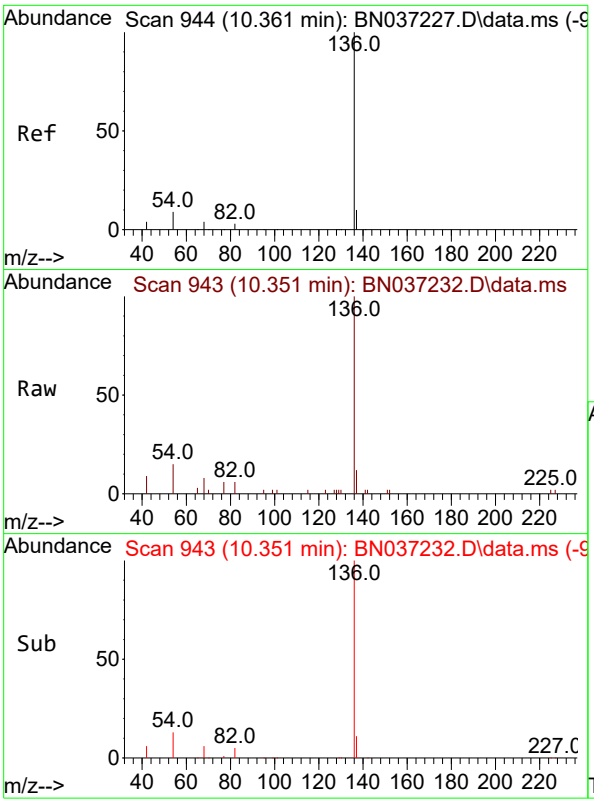


#6
bis(2-Chloroethyl)ether
Concen: 0.458 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 93 Resp: 2110

Ion	Ratio	Lower	Upper
93	100		
63	81.0	75.2	112.8
95	31.9	28.3	42.5



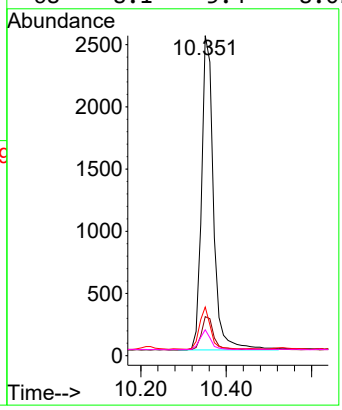


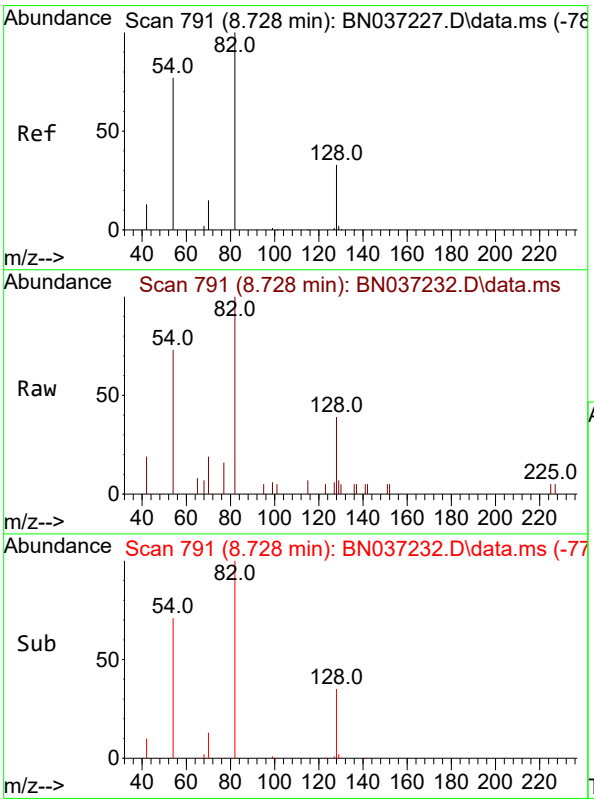
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:136 Resp: 4902

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.6	15.8
54	15.2	9.2	13.8#
68	8.1	5.4	8.0#

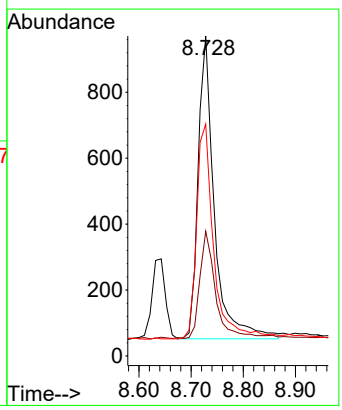


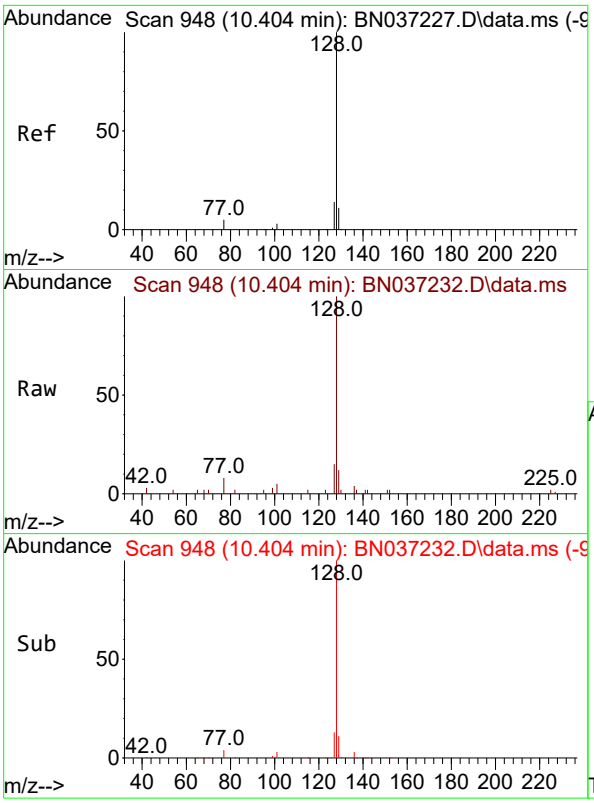


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 82 Resp: 1988

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.2	46.8
54	72.5	63.3	94.9



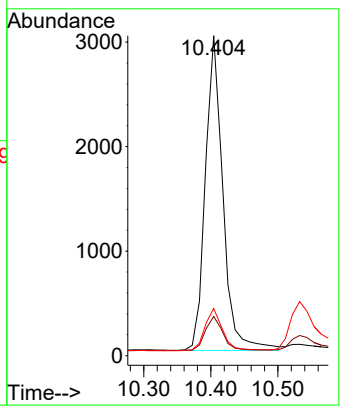


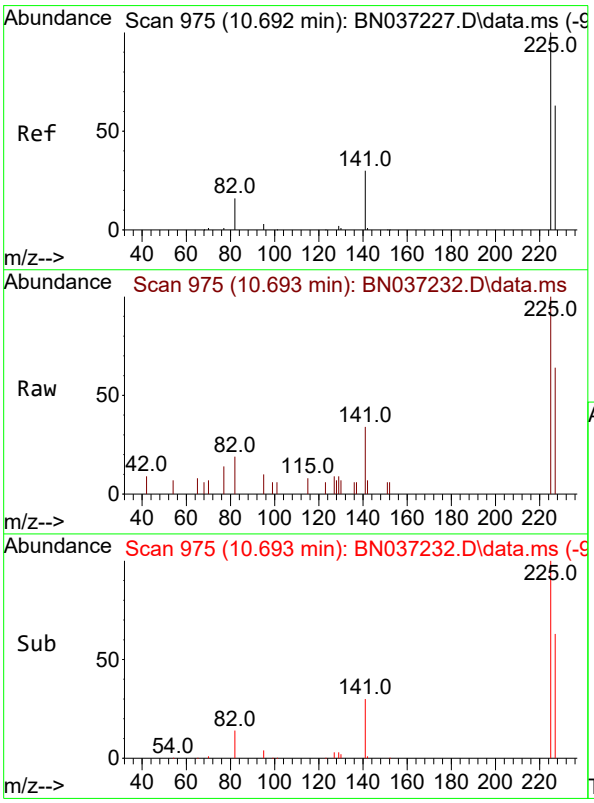
#9
Naphthalene
Concen: 0.386 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:128 Resp: 5483

Ion	Ratio	Lower	Upper
128	100		
129	12.3	10.7	16.1
127	14.7	12.6	19.0

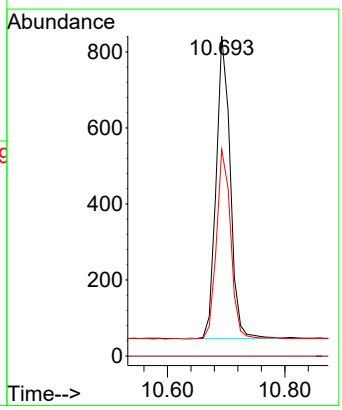


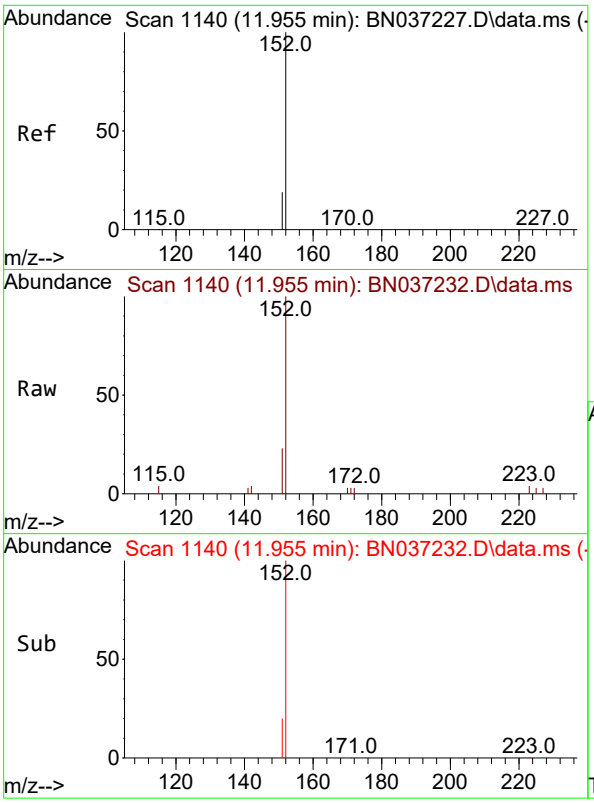


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:225 Resp: 1319

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	49.2	73.8



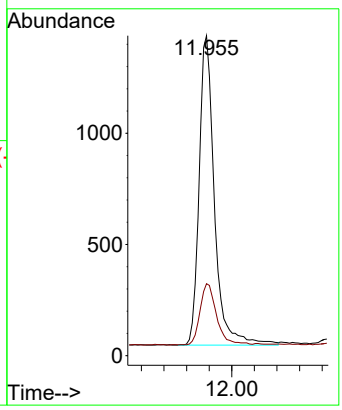


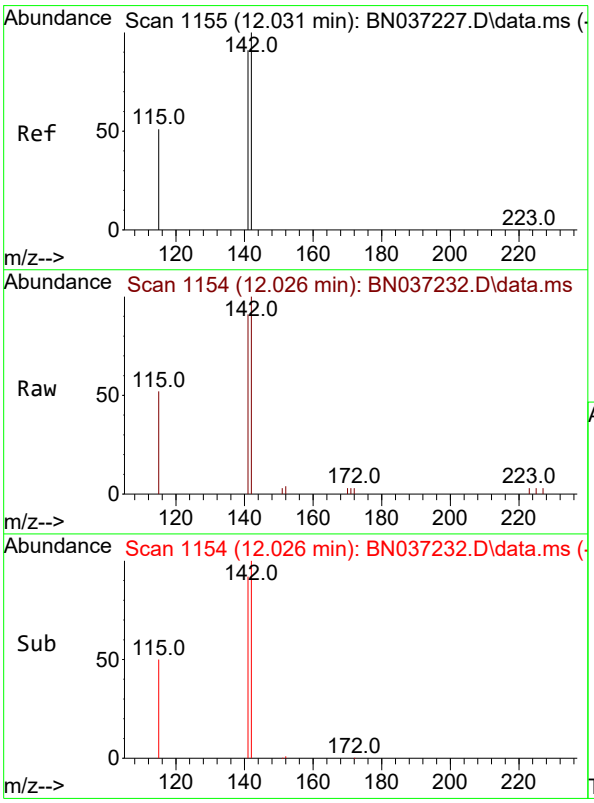
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:152 Resp: 2615

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.9	26.9

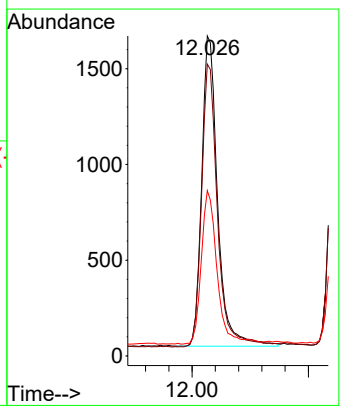


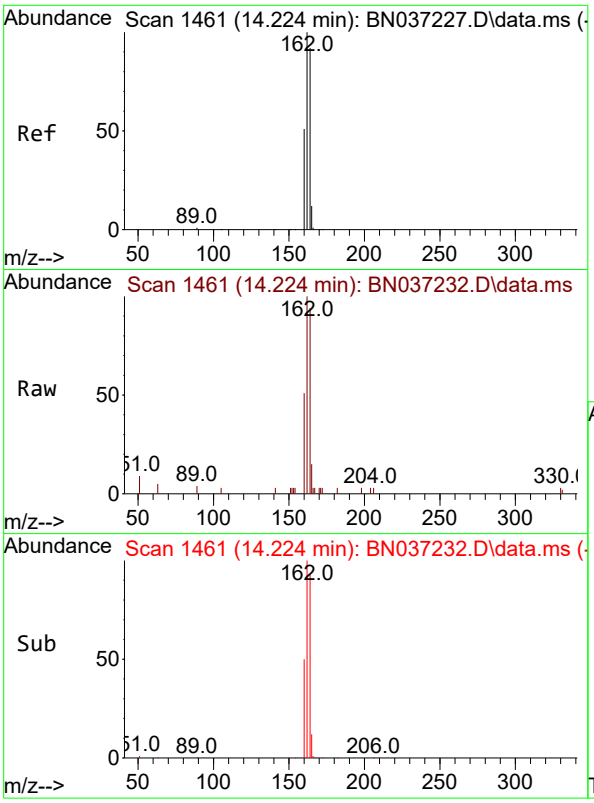


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:142 Resp: 3073

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.6
115	51.6	43.3	64.9



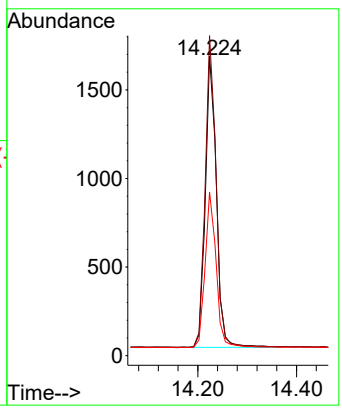


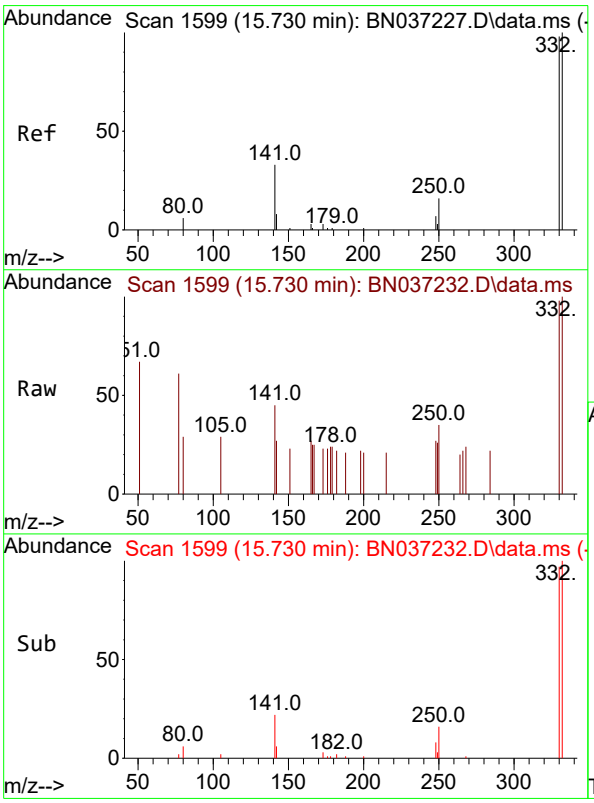
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:164 Resp: 2552

Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.7	130.1
160	54.6	45.8	68.6

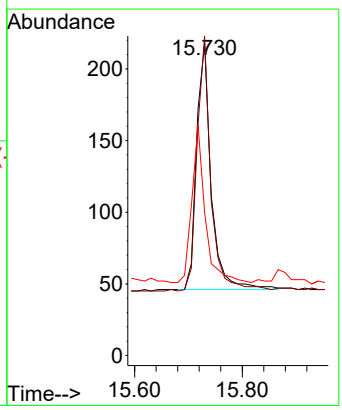


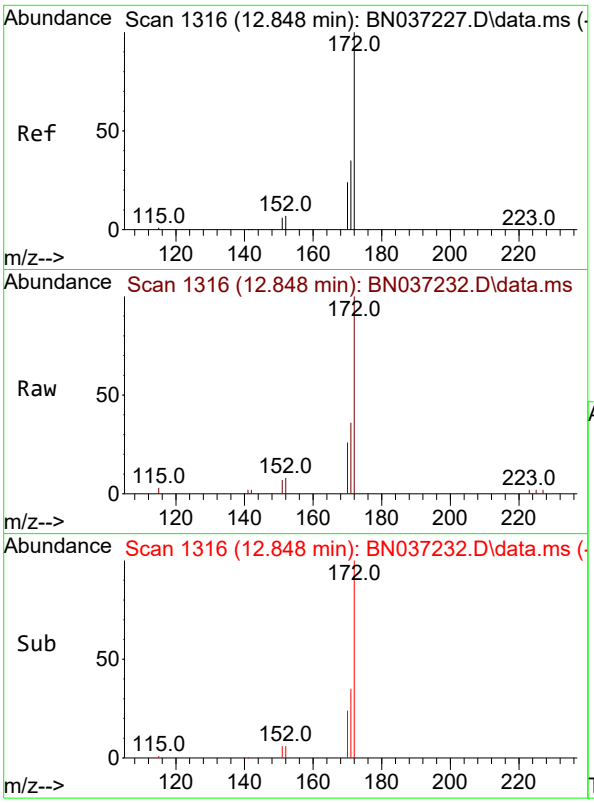


#14
2,4,6-Tribromophenol
Concen: 0.308 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:330 Resp: 327

Ion	Ratio	Lower	Upper
330	100		
332	97.6	74.9	112.3
141	57.2	45.1	67.7



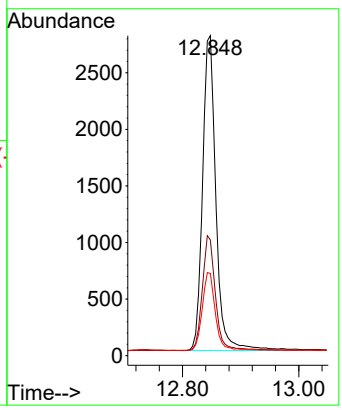


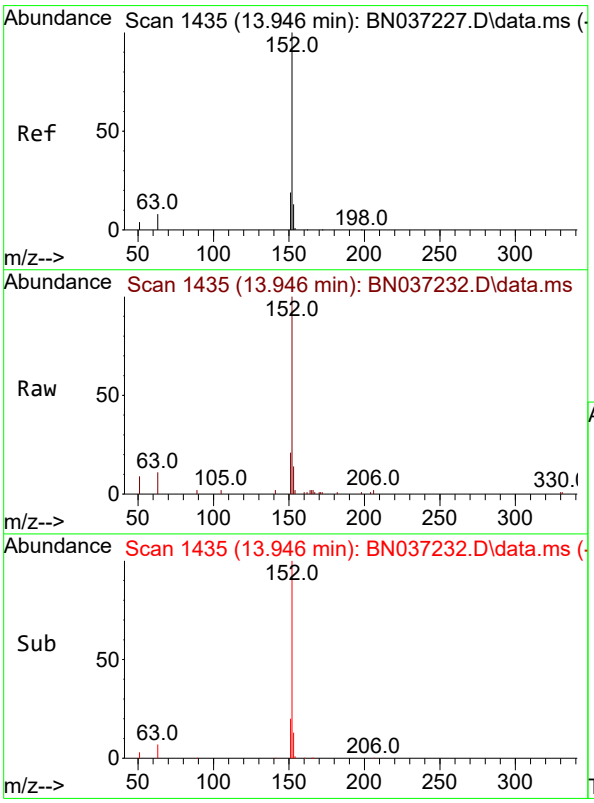
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:172 Resp: 4427

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.8
170	25.7	21.1	31.7

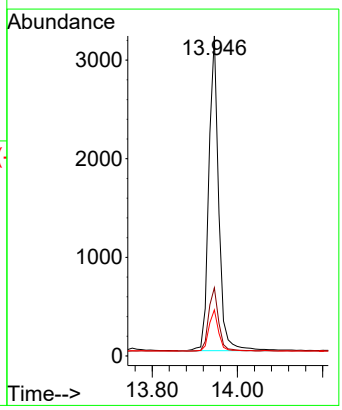


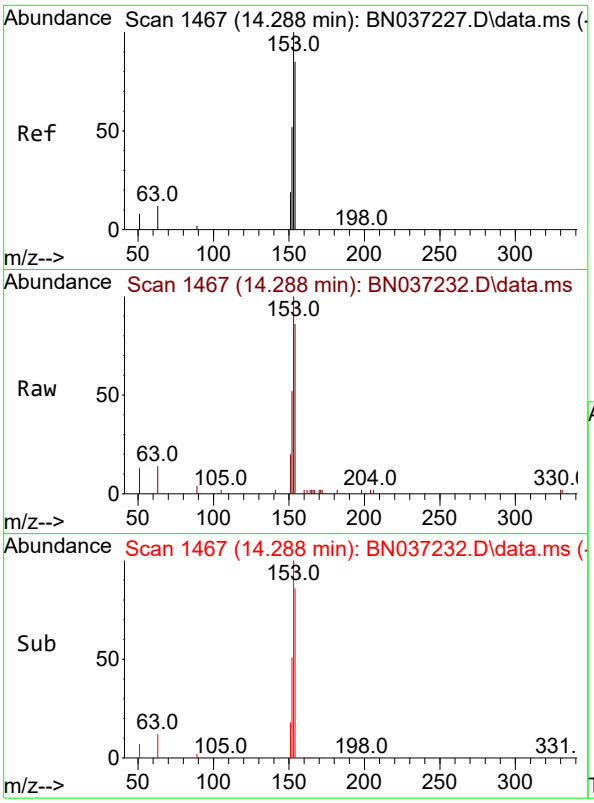


#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:152 Resp: 5109

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.7	23.5
153	12.9	10.7	16.1



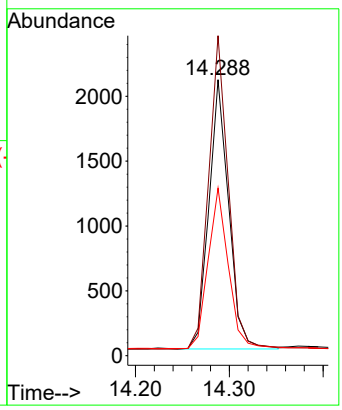


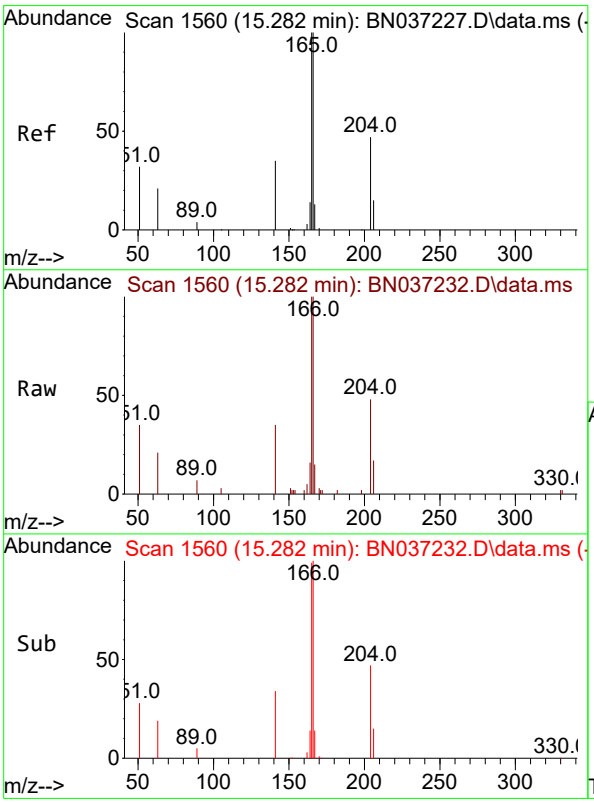
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:154 Resp: 3050

Ion	Ratio	Lower	Upper
154	100		
153	117.3	94.6	141.8
152	61.5	49.6	74.4

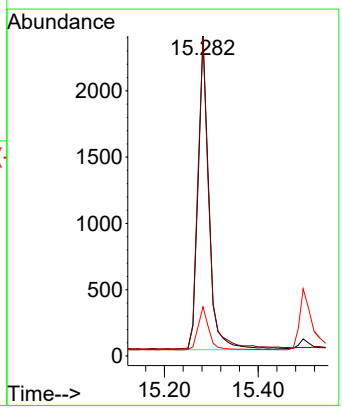


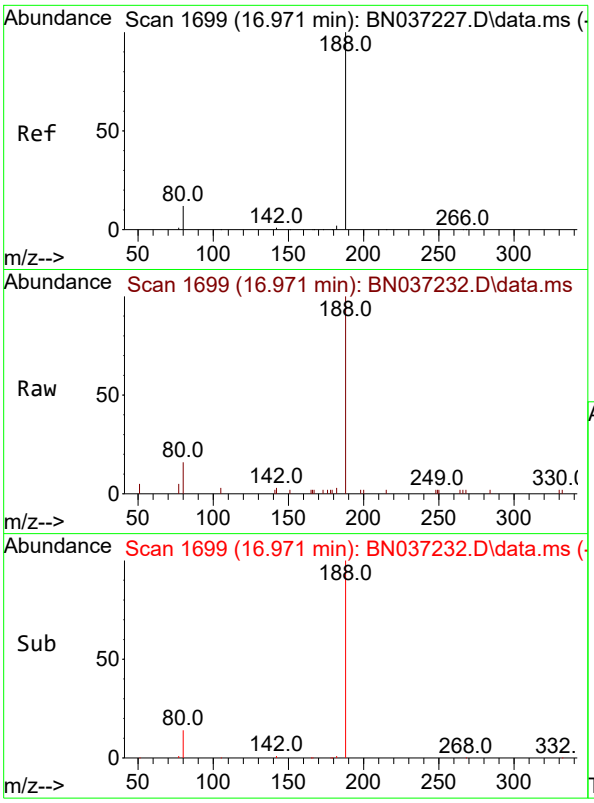


#18
Fluorene
Concen: 0.369 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:166 Resp: 3826

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.6
167	13.7	10.8	16.2



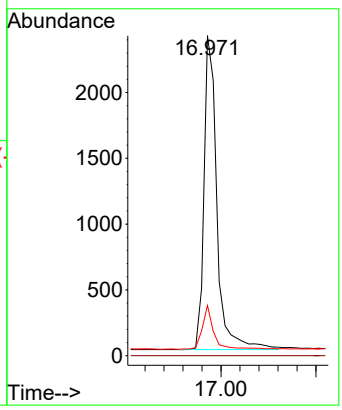


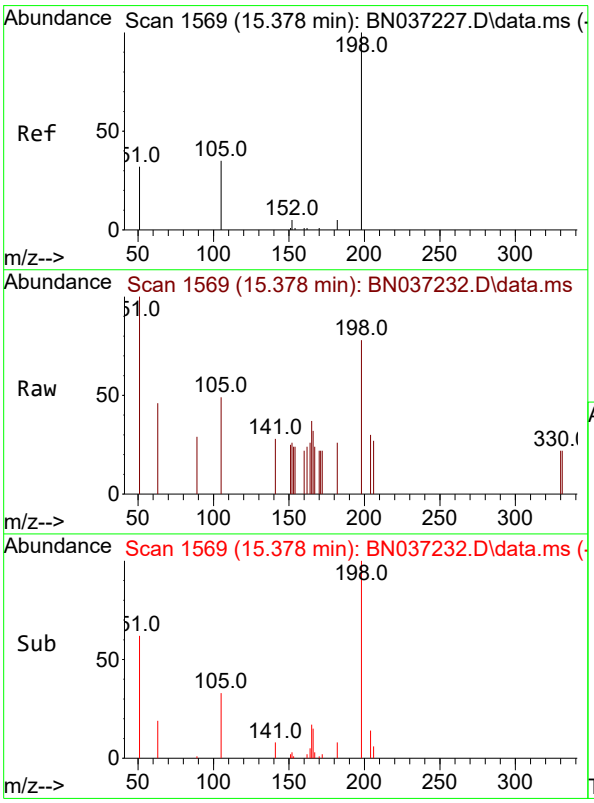
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:188 Resp: 4515

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.7	12.2	18.4

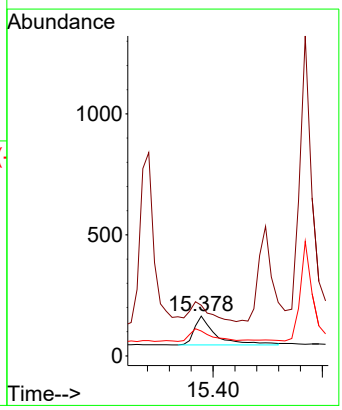


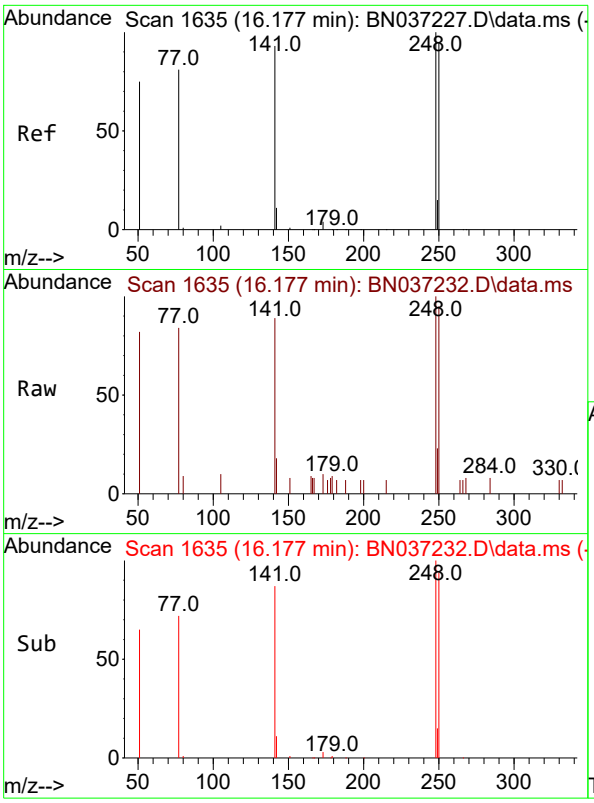


#20
4,6-Dinitro-2-methylphenol
Concen: 0.392 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:198 Resp: 326

Ion	Ratio	Lower	Upper
198	100		
51	127.4	111.2	166.8
105	62.8	54.0	81.0



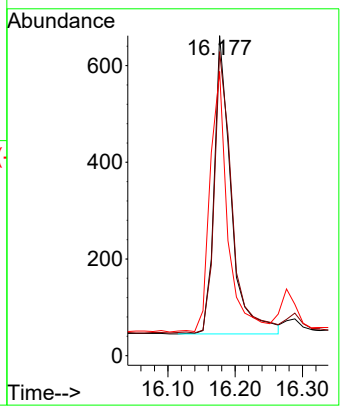


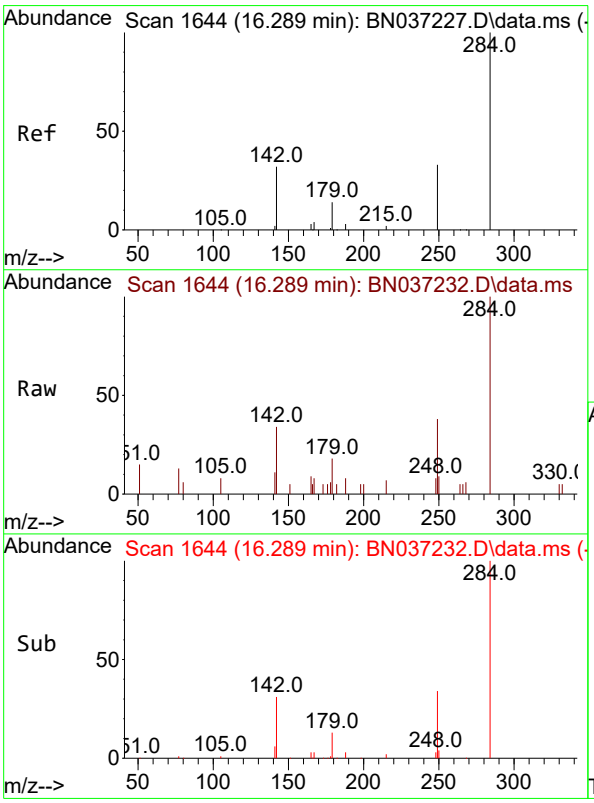
#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.177 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:248 Resp: 1082

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.8	115.2
141	88.8	75.6	113.4

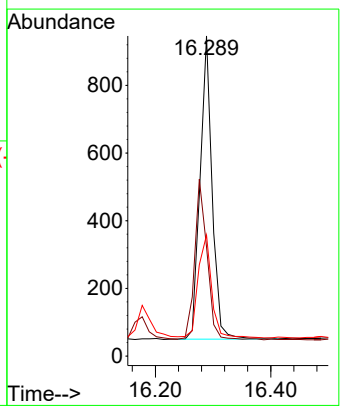


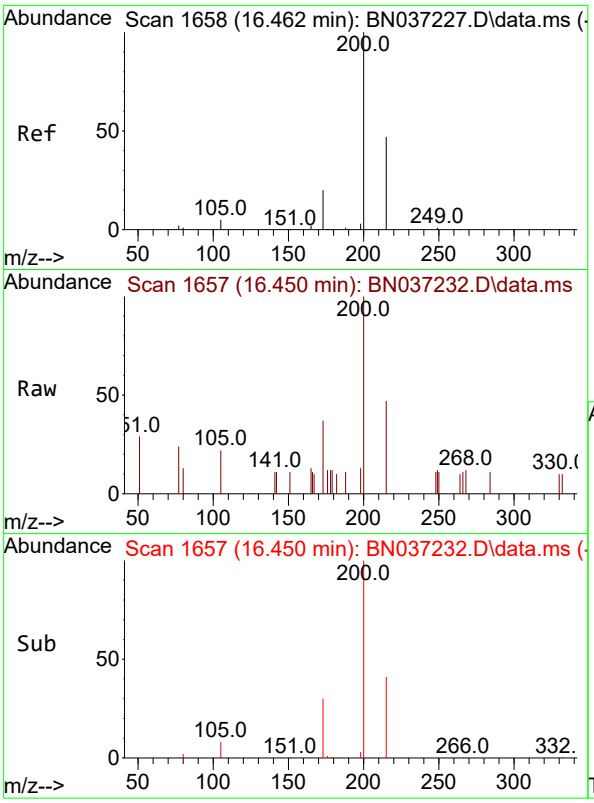


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:284 Resp: 1296

Ion	Ratio	Lower	Upper
284	100		
142	55.1	43.8	65.6
249	38.3	28.4	42.6



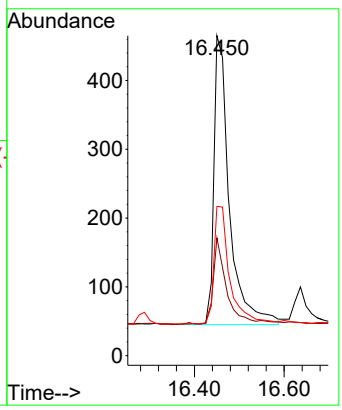


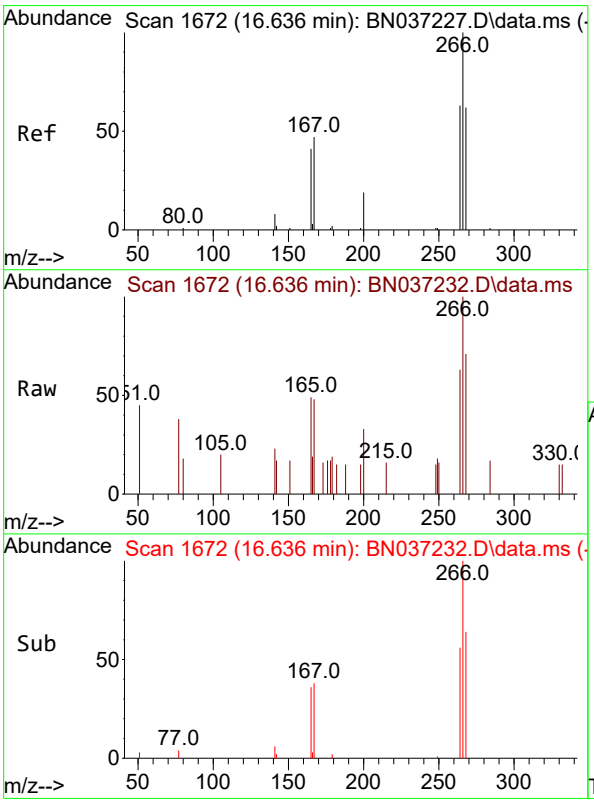
#23
Atrazine
Concen: 0.383 ng
RT: 16.450 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:200 Resp: 1004

Ion	Ratio	Lower	Upper
200	100		
173	36.8	25.1	37.7
215	46.7	43.7	65.5

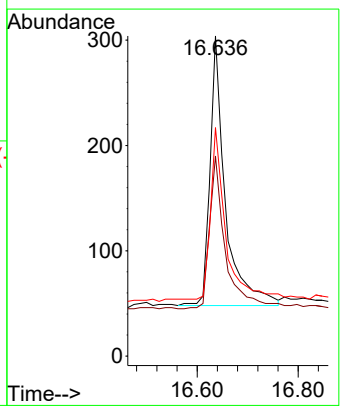


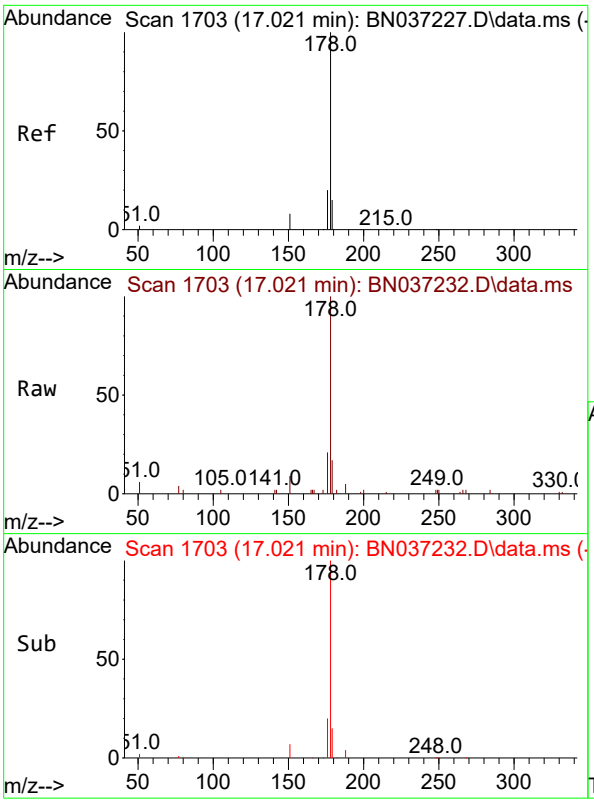


#24
Pentachlorophenol
Concen: 0.323 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:266 Resp: 540

Ion	Ratio	Lower	Upper
266	100		
264	59.1	49.2	73.8
268	62.0	53.4	80.2



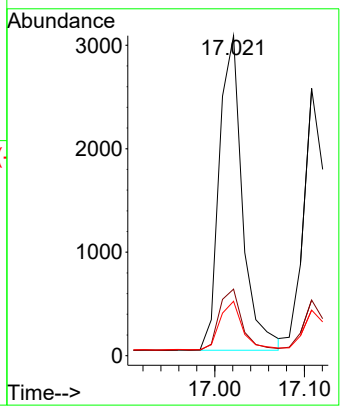


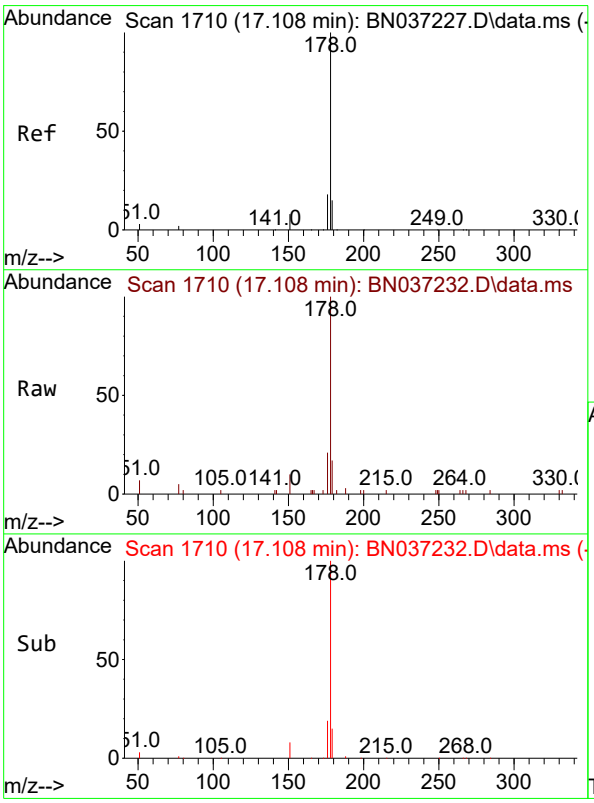
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:178 Resp: 5458

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.4	12.6	18.8

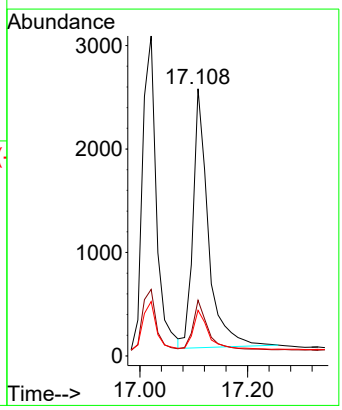


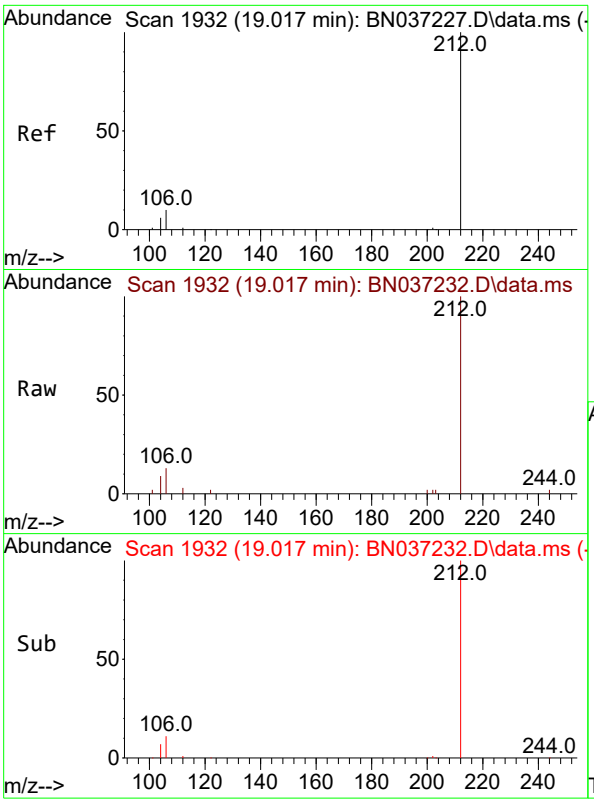


#26
Anthracene
Concen: 0.376 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:178 Resp: 4934

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.6	12.4	18.6



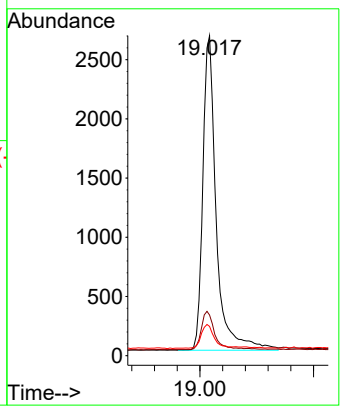


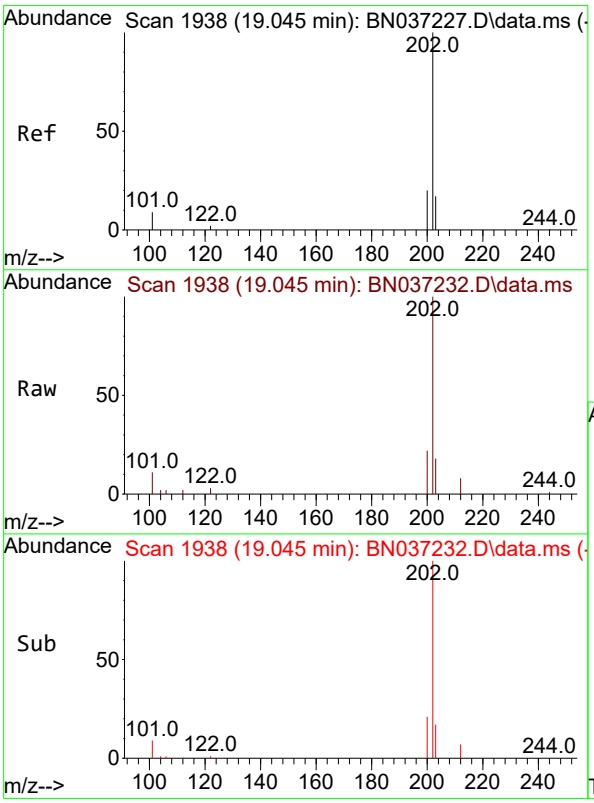
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:212 Resp: 4358

Ion	Ratio	Lower	Upper
212	100		
106	12.4	9.3	13.9
104	7.2	5.7	8.5

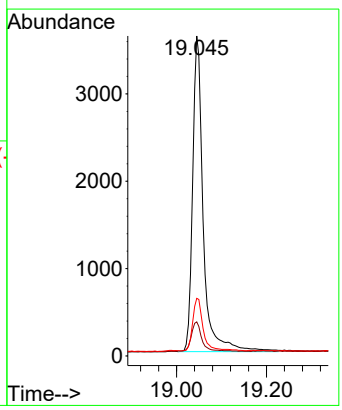


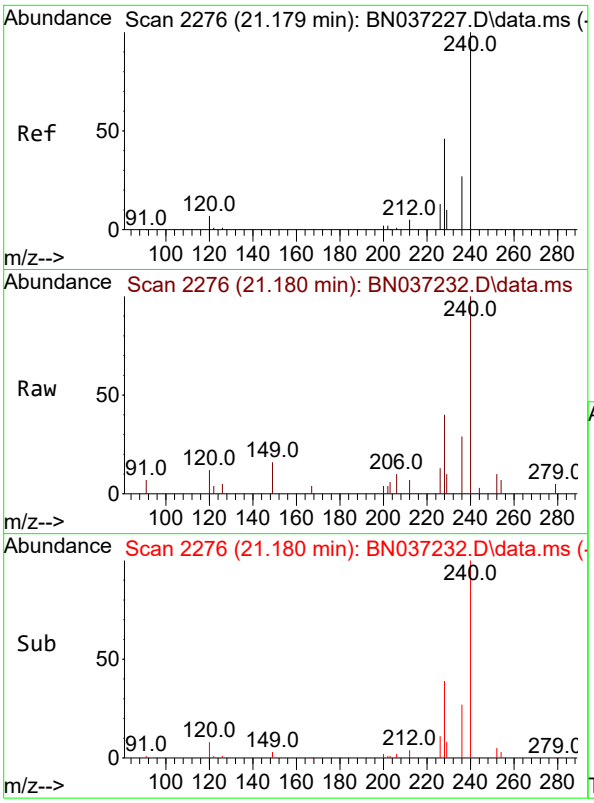


#28
Fluoranthene
Concen: 0.354 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:202 Resp: 5935

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.1	10.7
203	16.8	13.0	19.6



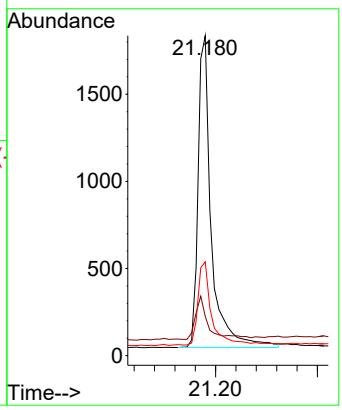


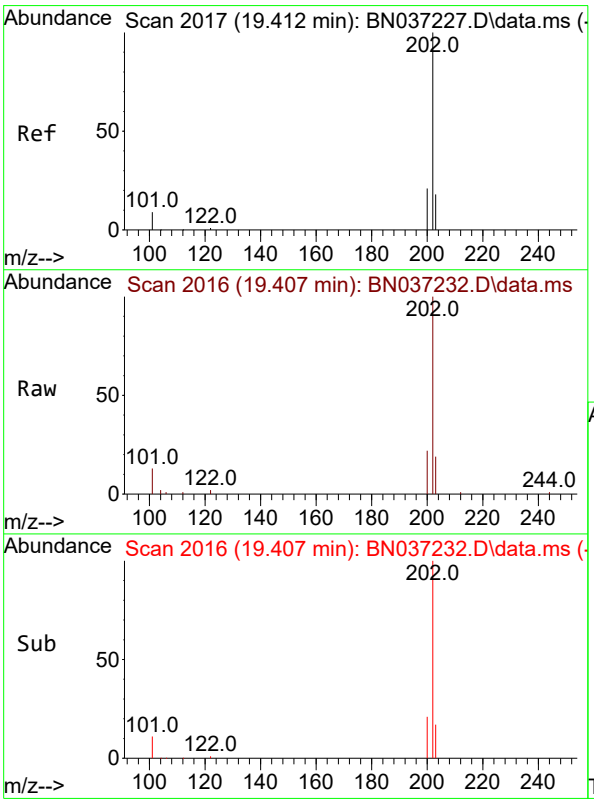
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:240 Resp: 3230

Ion	Ratio	Lower	Upper
240	100		
120	12.3	11.3	16.9
236	29.4	24.4	36.6

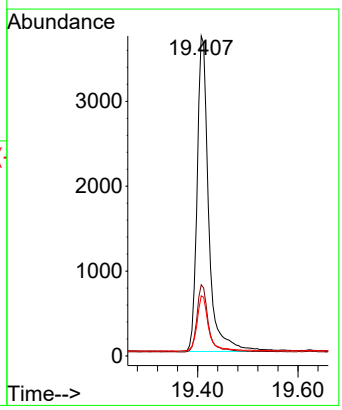


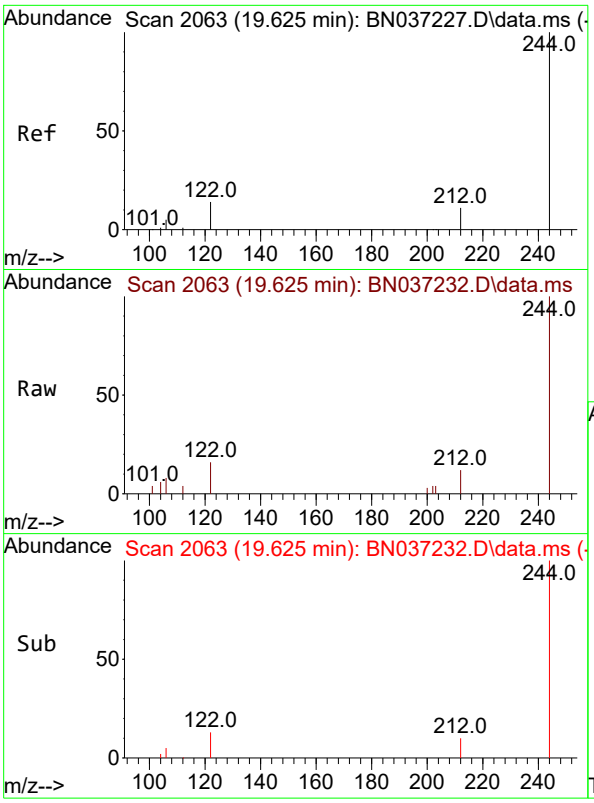


#30
Pyrene
Concen: 0.392 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:202 Resp: 5948

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.7	14.3	21.5



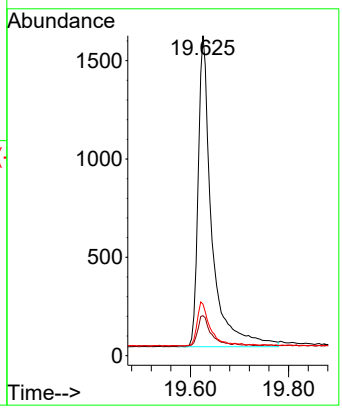


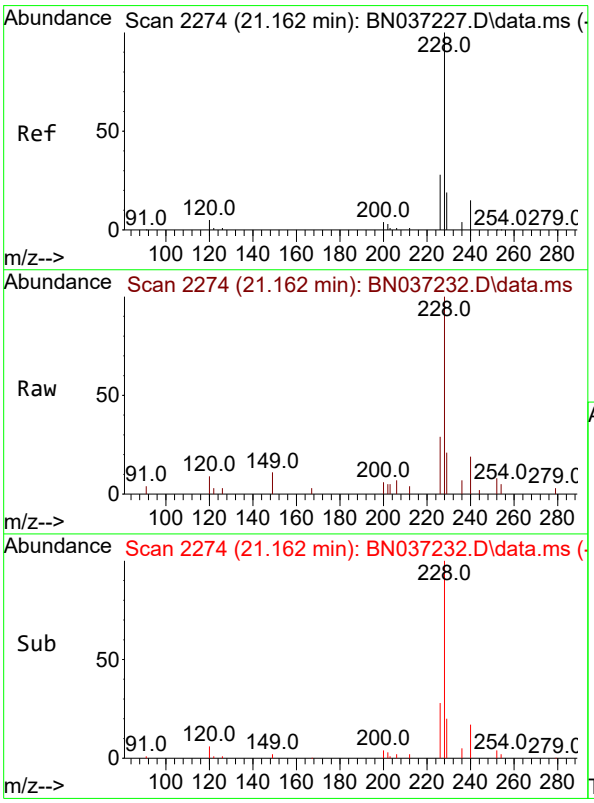
#31
Terphenyl-d14
Concen: 0.417 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:244 Resp: 3044

Ion	Ratio	Lower	Upper
244	100		
212	12.5	12.2	18.2
122	16.1	14.3	21.5

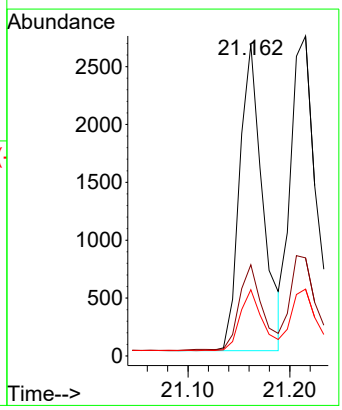


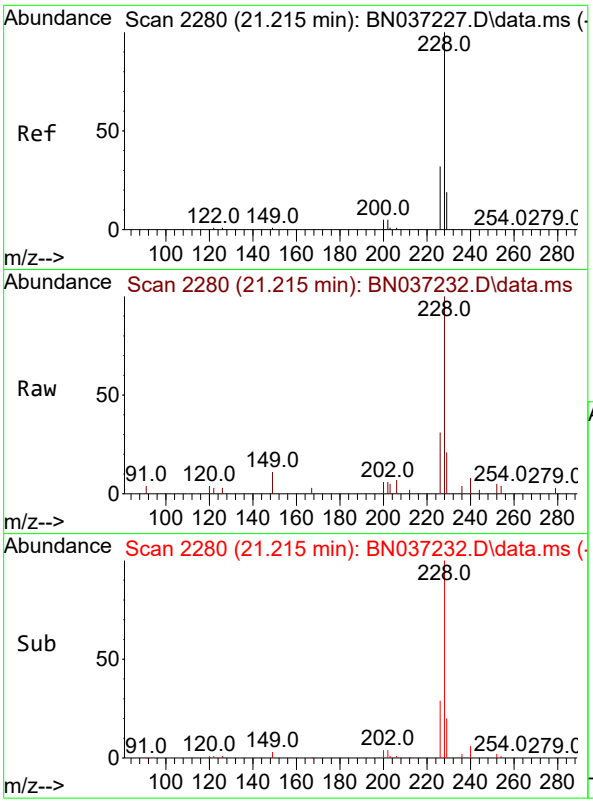


#32
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:228 Resp: 4183

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	21.2	17.0	25.4



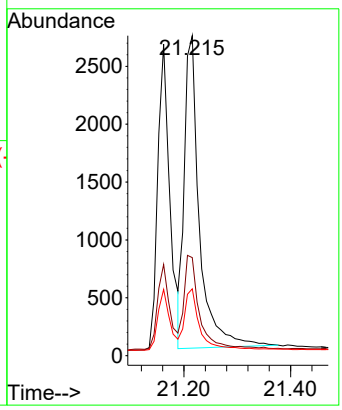


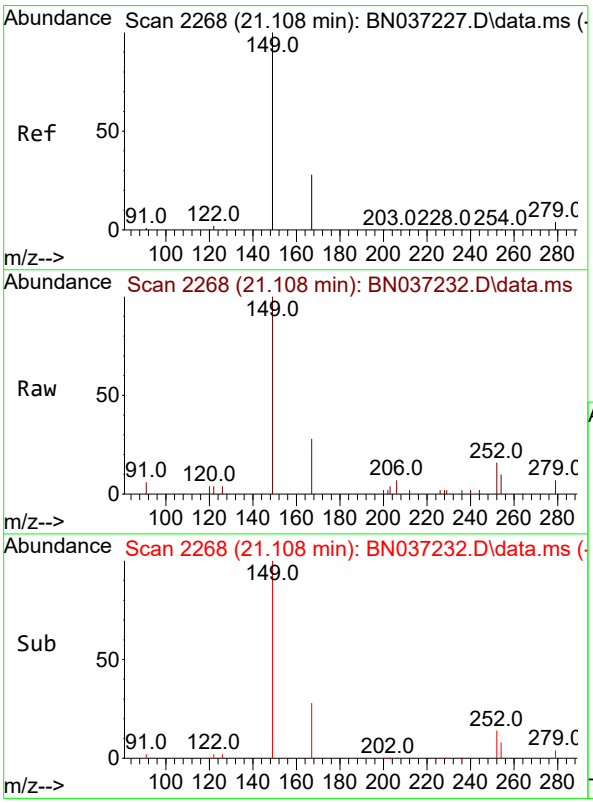
#33
Chrysene
Concen: 0.390 ng
RT: 21.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:228 Resp: 5302

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.8	38.6
229	20.9	17.0	25.4

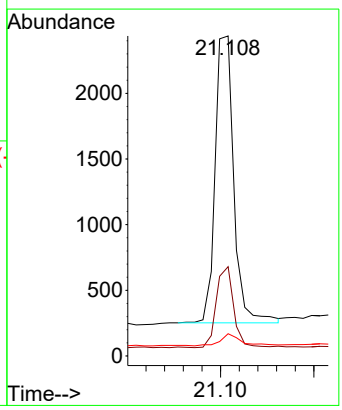


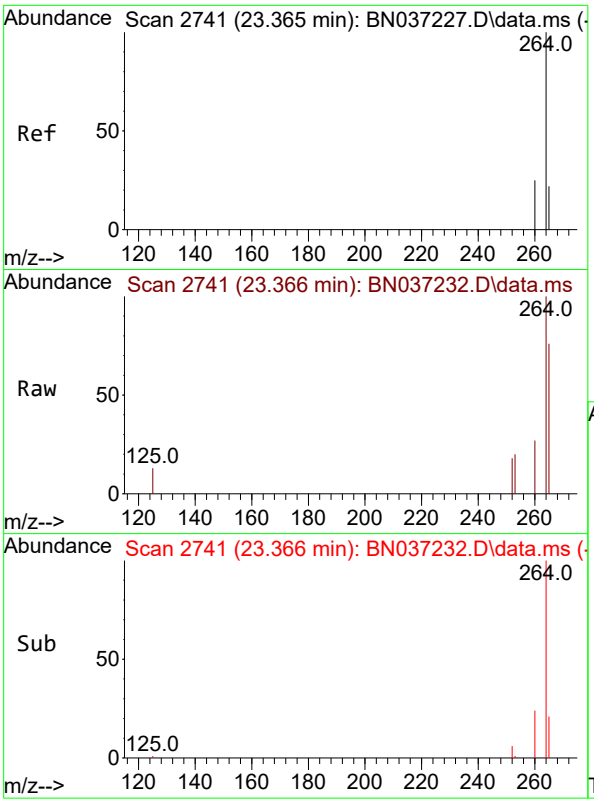


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.373 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:149 Resp: 3027

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	4.7	3.3	4.9



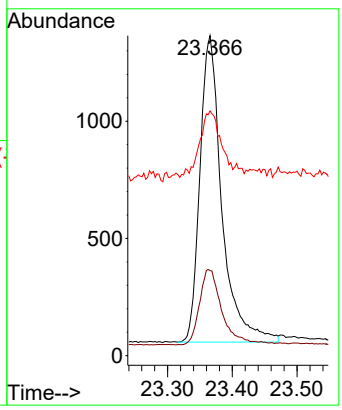


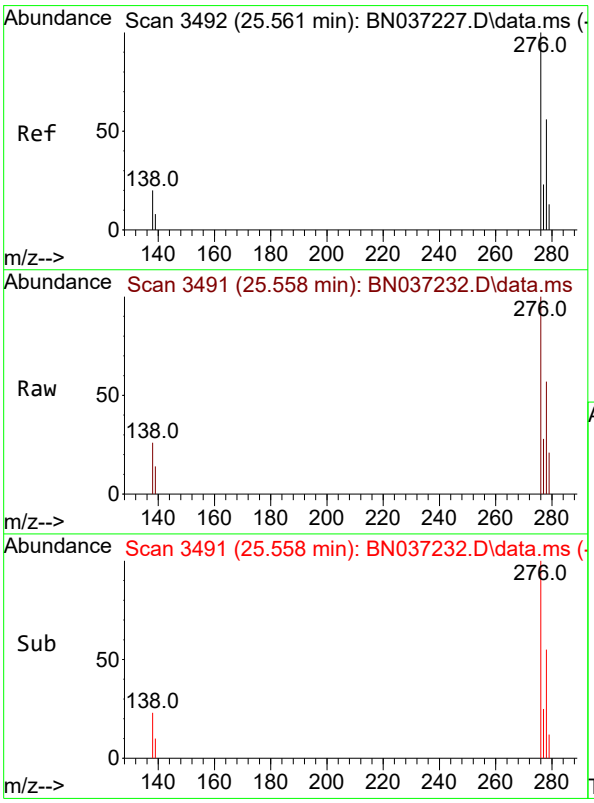
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:264 Resp: 3076

Ion	Ratio	Lower	Upper
264	100		
260	26.6	22.8	34.2
265	76.5	66.4	99.6

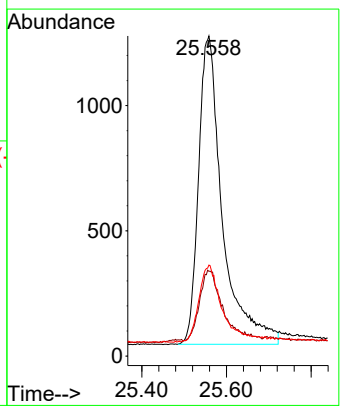


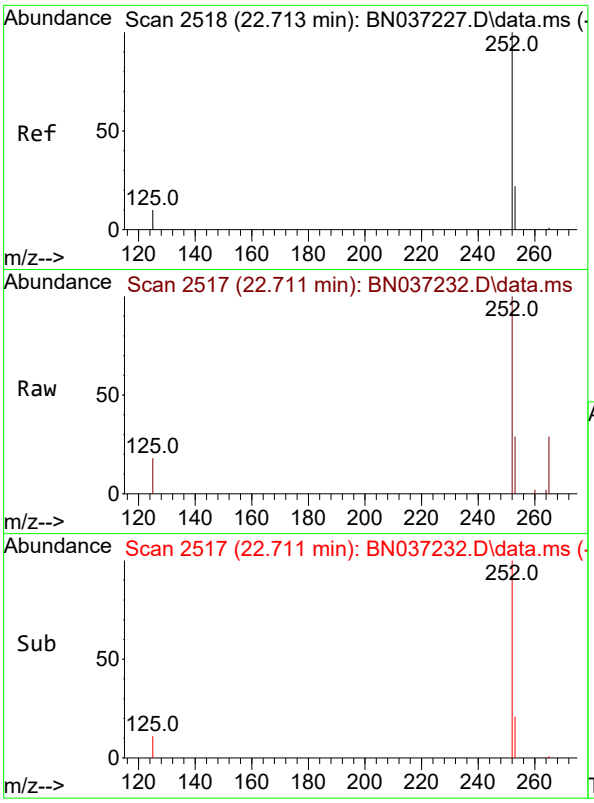


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.558 min Scan# 3491
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:276 Resp: 4825

Ion	Ratio	Lower	Upper
276	100		
138	21.3	16.8	25.2
277	23.4	19.5	29.3



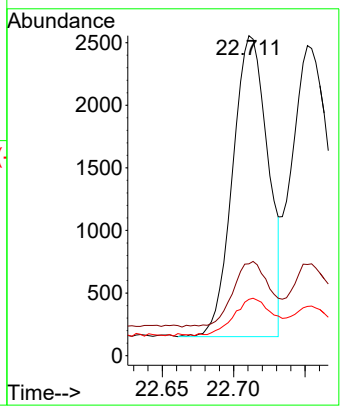


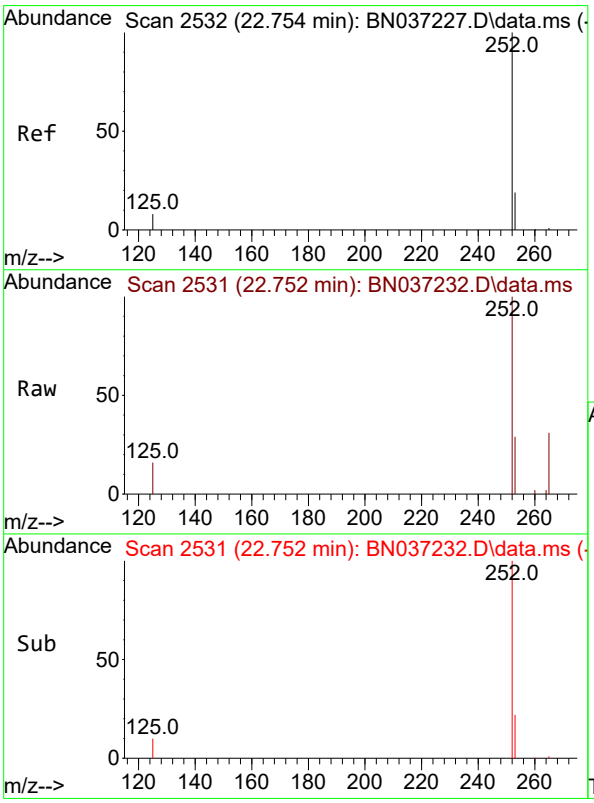
#37
Benzo(b)fluoranthene
Concen: 0.366 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:252 Resp: 4122

Ion	Ratio	Lower	Upper
252	100		
253	28.7	24.9	37.3
125	17.6	12.9	19.3

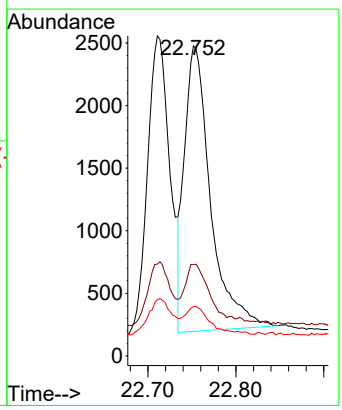


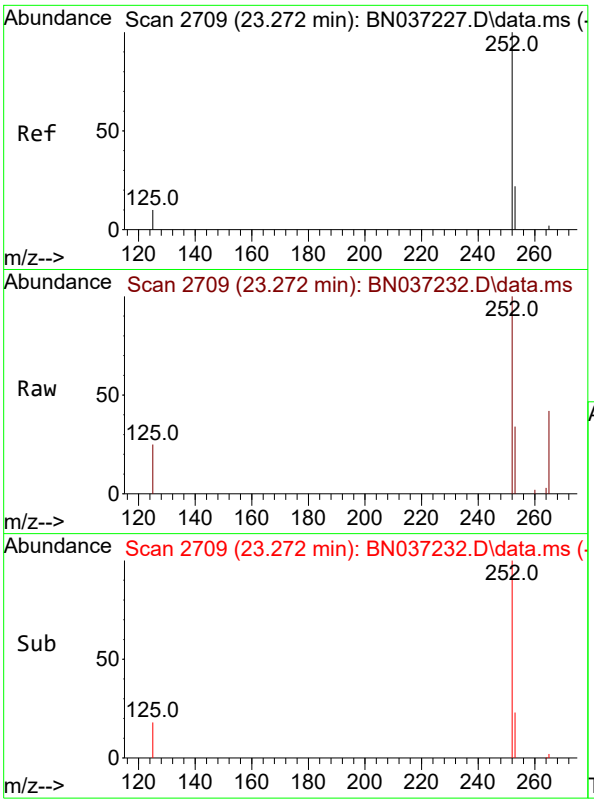


#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:252 Resp: 4721

Ion	Ratio	Lower	Upper
252	100		
253	29.4	24.6	37.0
125	15.9	13.4	20.2



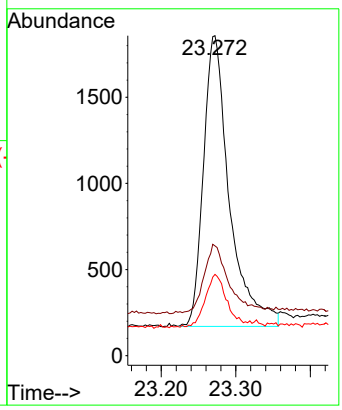


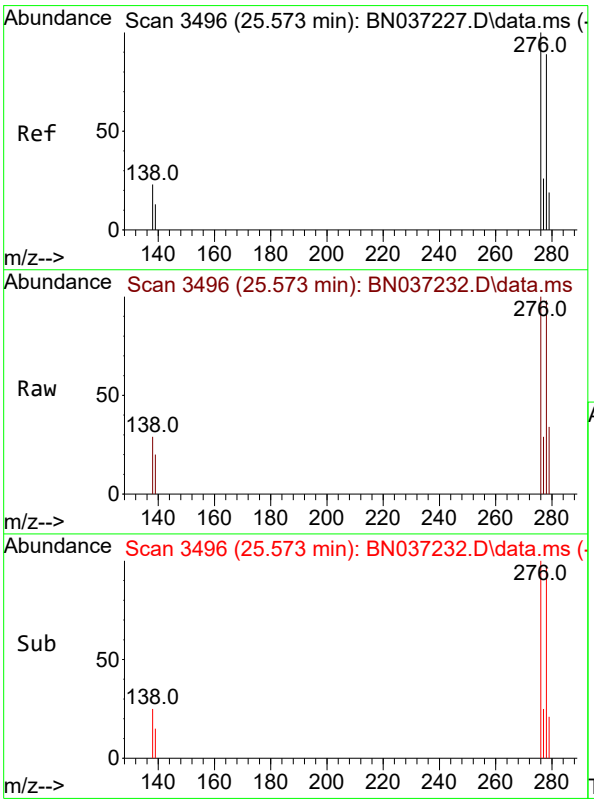
#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:252 Resp: 4086

Ion	Ratio	Lower	Upper
252	100		
253	34.3	29.4	44.2
125	25.4	16.2	24.2#

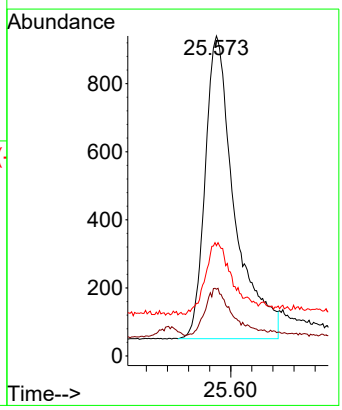


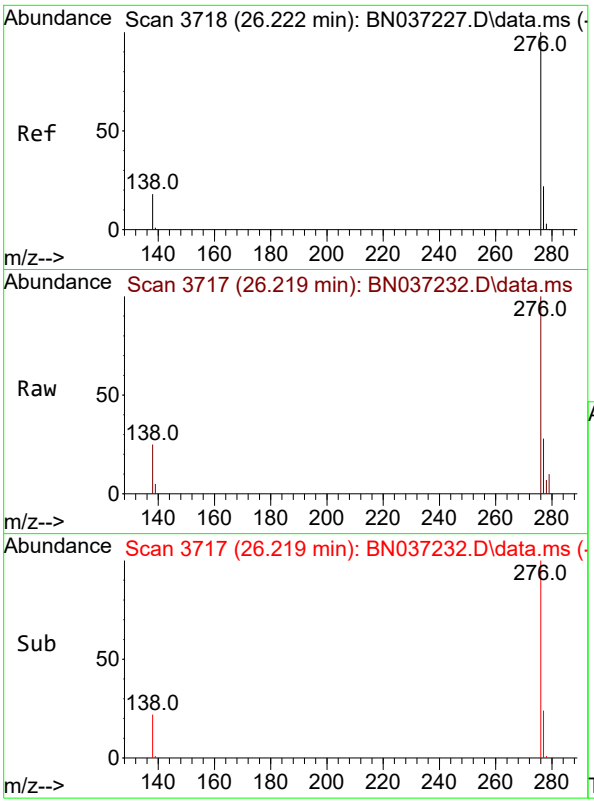


#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 25.573 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:278 Resp: 3443

Ion	Ratio	Lower	Upper
278	100		
139	20.9	17.8	26.6
279	34.5	31.3	46.9





#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:276 Resp: 4068

Ion	Ratio	Lower	Upper
276	100		
277	27.9	22.0	33.0
138	25.3	18.4	27.6