Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037259.D
Acq On : 14 Jun 2025 13:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 16 02:42:36 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	7.575	152	1044	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	2562	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1268	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2318	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1702	0.400	ng	# 0.00
35) Perylene-d12	23.360	264	1789	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	1026	0.400	ng	0.00
5) Phenol-d6	6.759	99	1096	0.406	ng	0.00
8) Nitrobenzene-d5	8.728	82	1069	0.422	ng	0.00
11) 2-Methylnaphthalene-d10	11.950	152	1407	0.409	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	230	0.437	ng	-0.01
15) 2-Fluorobiphenyl	12.848	172	2271	0.426	ng	0.00
27) Fluoranthene-d10	19.012	212	2382	0.393	ng	0.00
31) Terphenyl-d14	19.621	244	1544	0.401	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	562	0.392	ng	92
3) n-Nitrosodimethylamine	3.422	42	1426	0.437	ng	# 97
6) bis(2-Chloroethyl)ether	7.012	93	1026	0.424	ng	94
9) Naphthalene	10.404	128	2969	0.400	ng	100
10) Hexachlorobutadiene	10.693	225	761	0.422	ng	# 97
12) 2-Methylnaphthalene	12.026	142	1778	0.394	ng	97
16) Acenaphthylene	13.946	152	2462	0.396	ng	99
17) Acenaphthene	14.288	154	1581	0.394	ng	98
18) Fluorene	15.282	166	1985	0.385	ng	100
20) 4,6-Dinitro-2-methylph...	15.378	198	199	0.443	ng	90
21) 4-Bromophenyl-phenylether	16.177	248	578	0.383	ng	88
22) Hexachlorobenzene	16.289	284	670	0.383	ng	94
23) Atrazine	16.450	200	489	0.363	ng	# 95
24) Pentachlorophenol	16.636	266	367	0.428	ng	94
25) Phenanthrene	17.009	178	2788	0.379	ng	98
26) Anthracene	17.108	178	2496	0.371	ng	99
28) Fluoranthene	19.045	202	3112	0.362	ng	98
30) Pyrene	19.407	202	3140	0.392	ng	100
32) Benzo(a)anthracene	21.162	228	2322	0.404	ng	99
33) Chrysene	21.206	228	2833	0.396	ng	99
34) Bis(2-ethylhexyl)phtha...	21.099	149	1690	0.395	ng	98
36) Indeno(1,2,3-cd)pyrene	25.547	276	3038	0.421	ng	99
37) Benzo(b)fluoranthene	22.708	252	2598	0.397	ng	99
38) Benzo(k)fluoranthene	22.752	252	2852	0.378	ng	99
39) Benzo(a)pyrene	23.266	252	2372	0.403	ng	96
40) Dibenzo(a,h)anthracene	25.561	278	2198	0.401	ng	97
41) Benzo(g,h,i)perylene	26.216	276	2747	0.411	ng	97

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

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Instrument :
BNA_N
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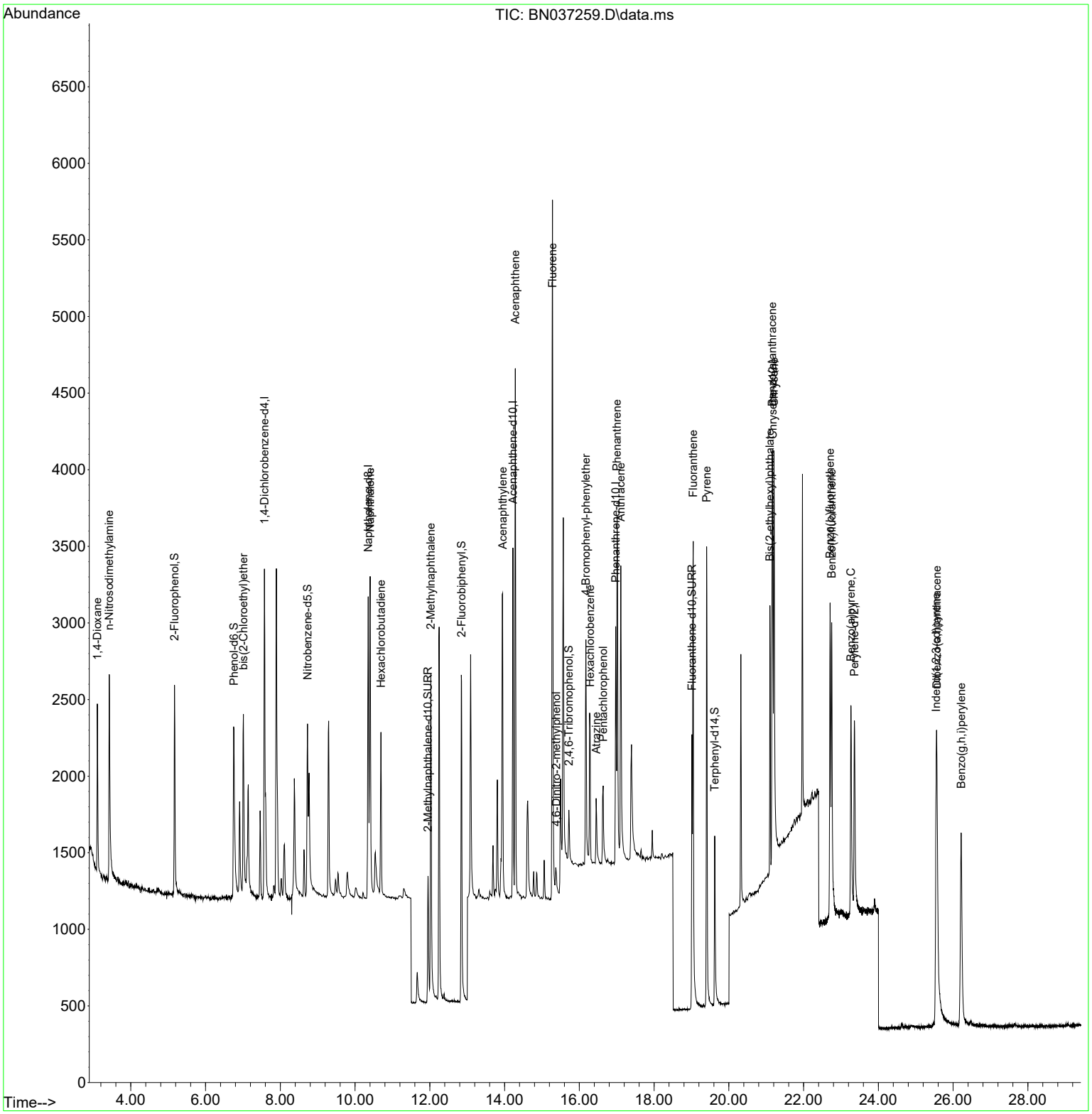
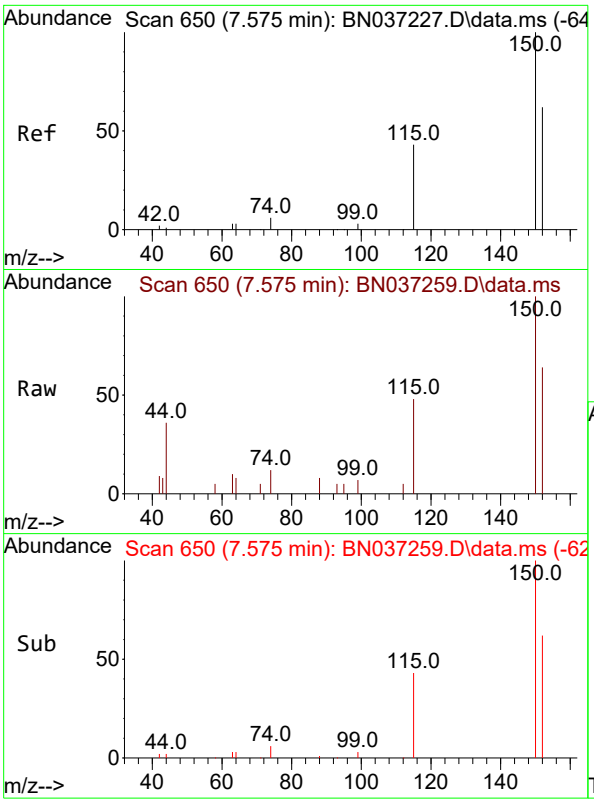
Quant Time: Jun 16 02:42:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



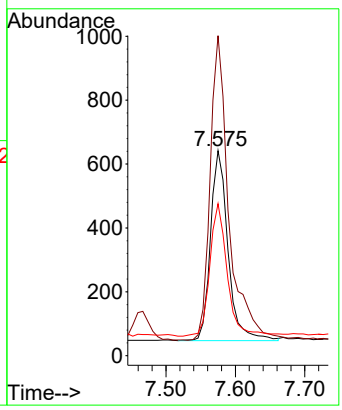


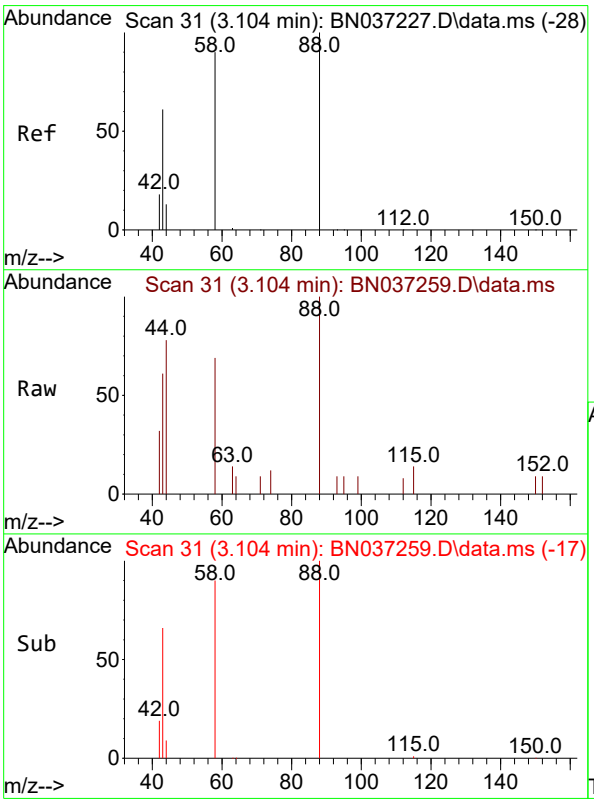
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1044

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.2	187.8
115	74.1	58.4	87.6

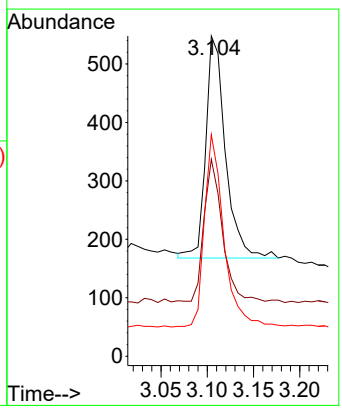


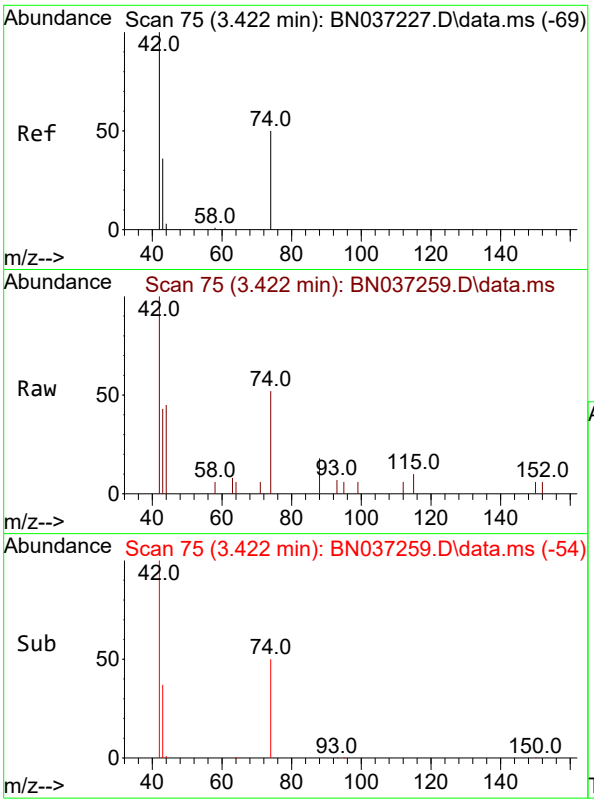


#2
1,4-Dioxane
Concen: 0.392 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion: 88 Resp: 562

Ion	Ratio	Lower	Upper
88	100		
43	59.3	52.6	79.0
58	85.2	73.5	110.3



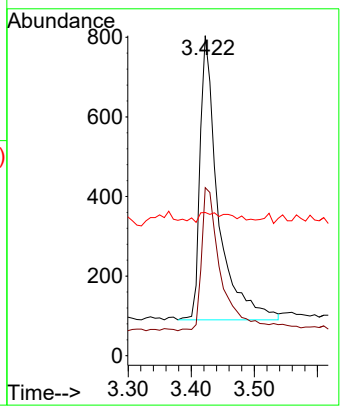


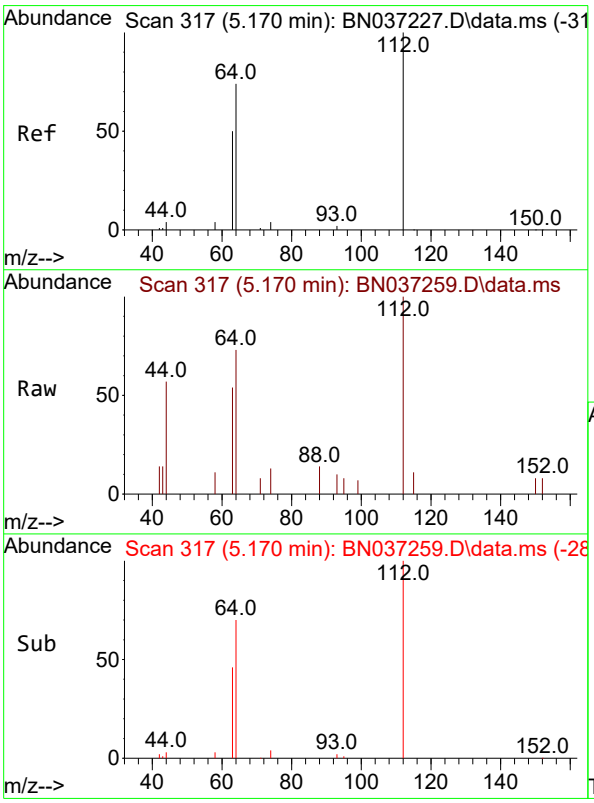
#3
n-Nitrosodimethylamine
Concen: 0.437 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1426

Ion	Ratio	Lower	Upper
42	100		
74	53.4	44.6	66.8
44	2.7	3.5	5.3#

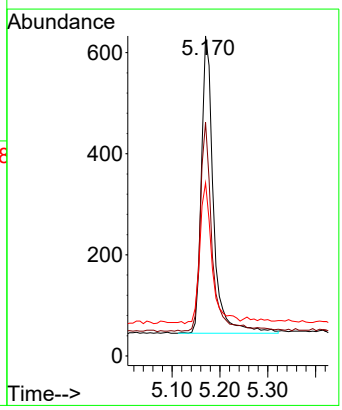


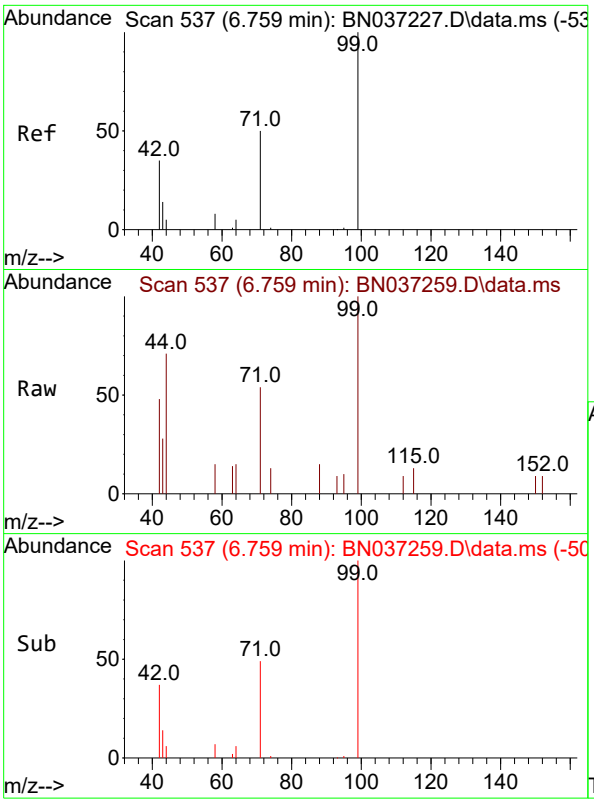


#4
2-Fluorophenol
Concen: 0.400 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:112 Resp: 1026

Ion	Ratio	Lower	Upper
112	100		
64	68.1	57.2	85.8
63	47.9	39.8	59.6



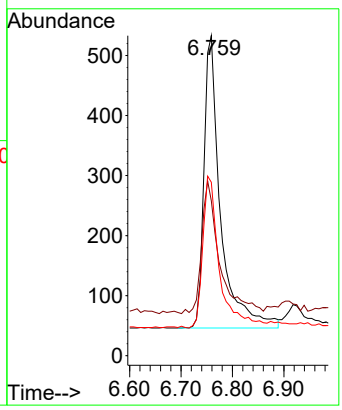


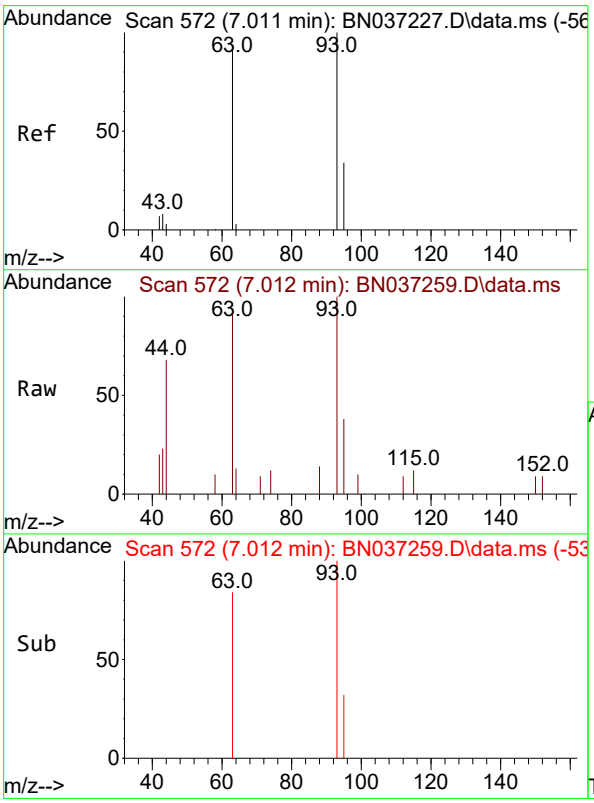
#5
Phenol-d6
Concen: 0.406 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1096

Ion	Ratio	Lower	Upper
99	100		
42	48.5	36.2	54.4
71	52.5	42.4	63.6

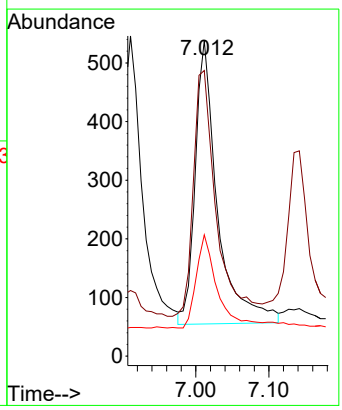


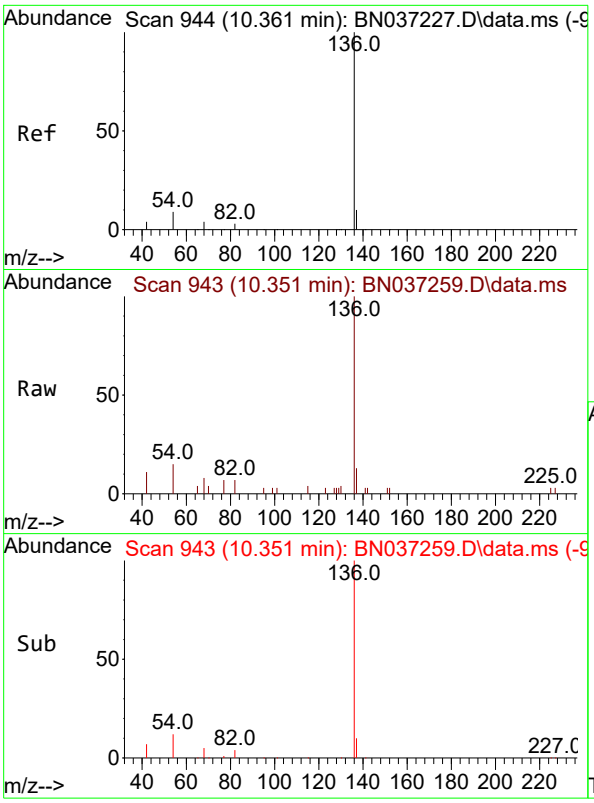


#6
bis(2-Chloroethyl)ether
Concen: 0.424 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion: 93 Resp: 1026

Ion	Ratio	Lower	Upper
93	100		
63	88.1	75.2	112.8
95	31.0	28.3	42.5



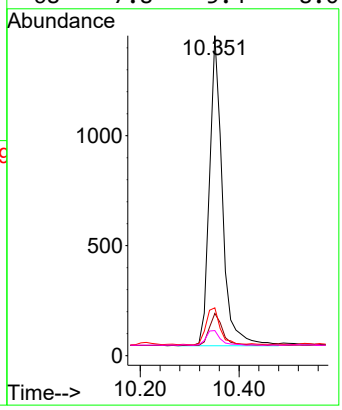


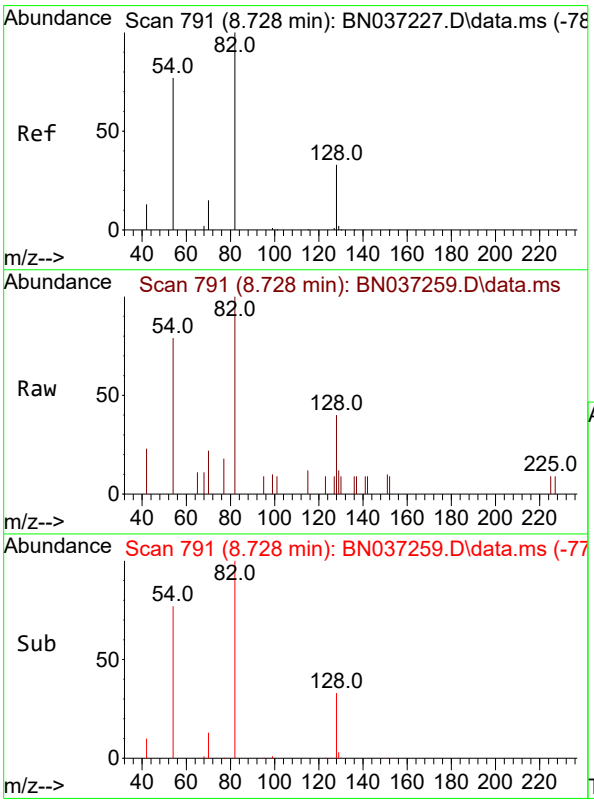
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 2562

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	15.8
54	14.9	9.2	13.8#
68	7.8	5.4	8.0

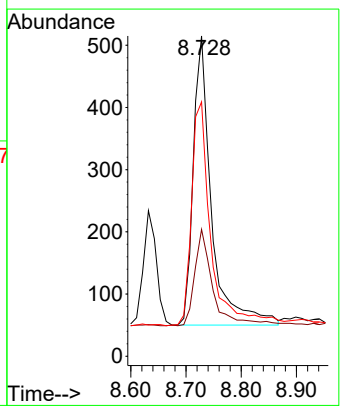


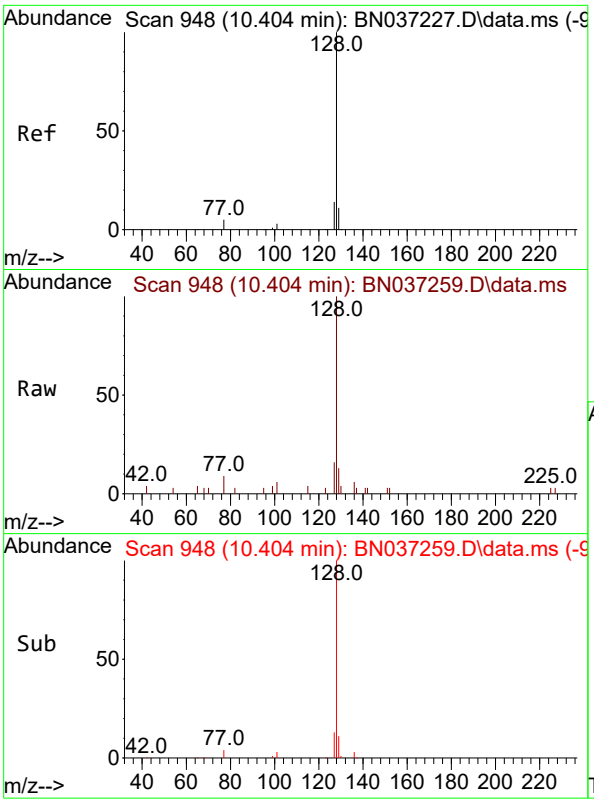


#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion: 82 Resp: 1069

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.2	46.8
54	79.4	63.3	94.9



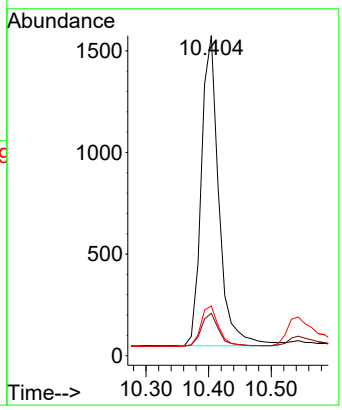


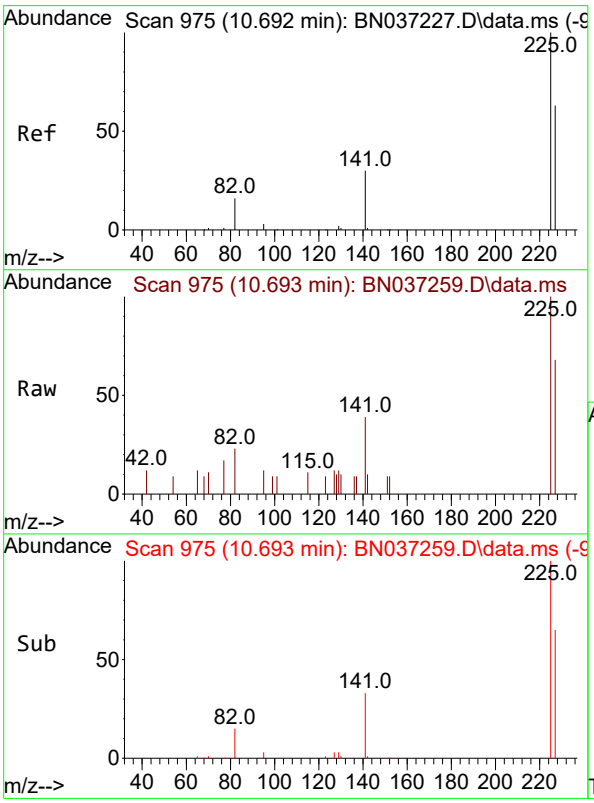
#9
Naphthalene
Concen: 0.400 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 2969

Ion	Ratio	Lower	Upper
128	100		
129	13.3	10.7	16.1
127	15.6	12.6	19.0

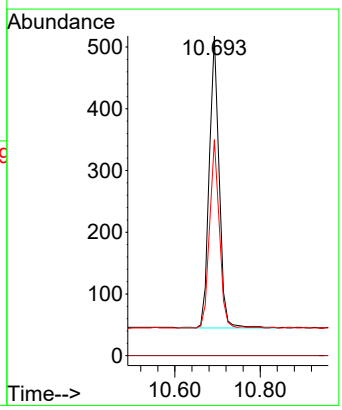


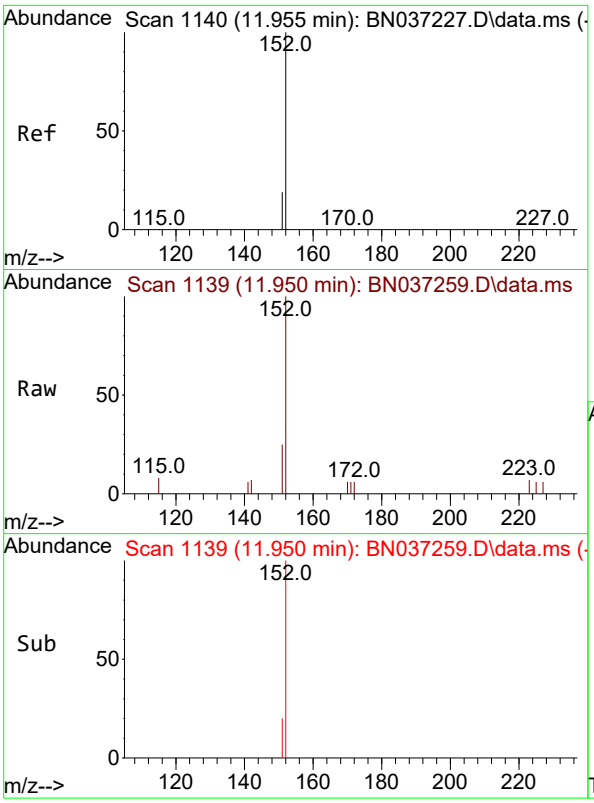


#10
Hexachlorobutadiene
Concen: 0.422 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:225 Resp: 761

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	49.2	73.8



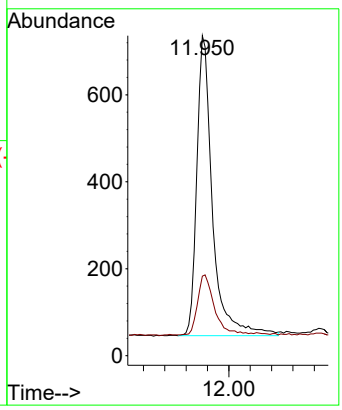


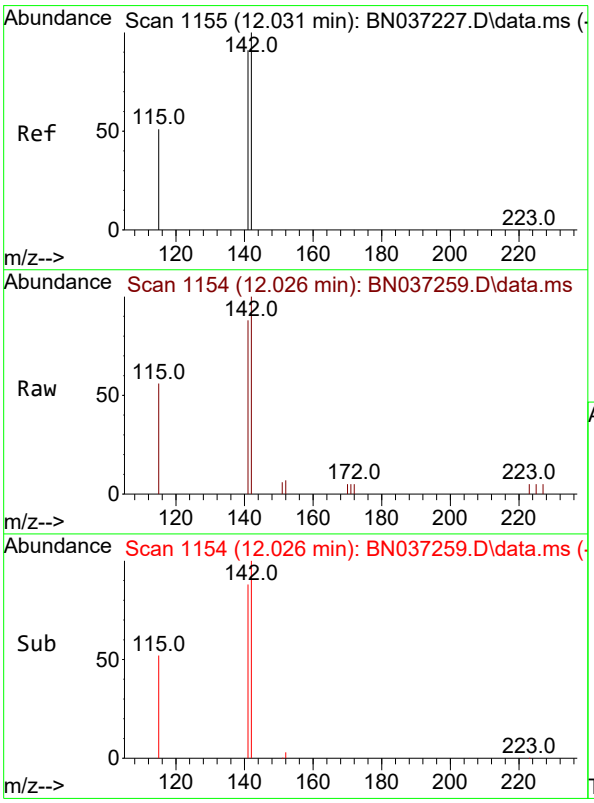
#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1407

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.9	26.9

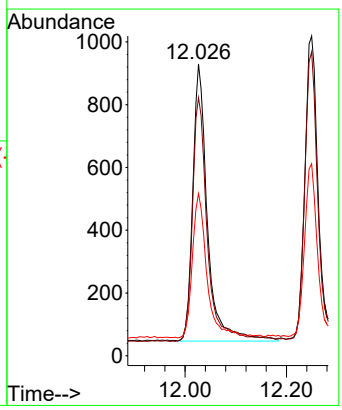


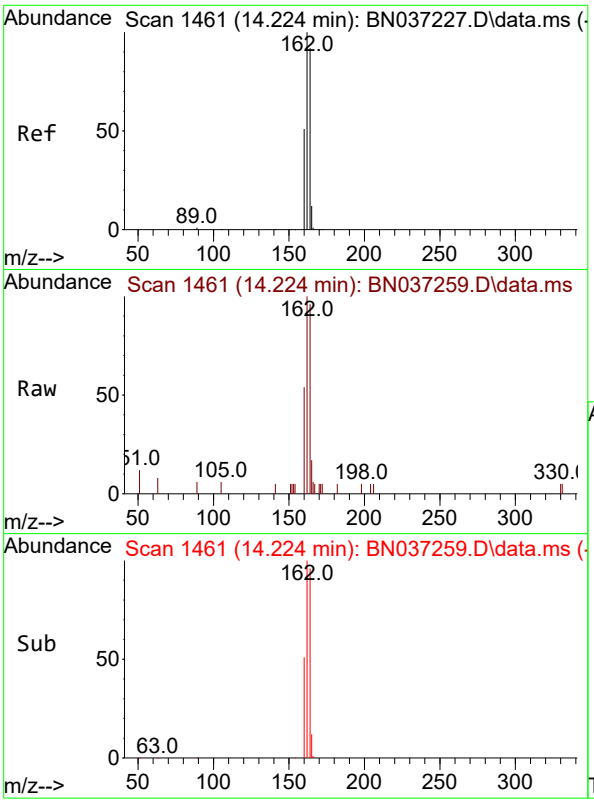


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:142 Resp: 1778

Ion	Ratio	Lower	Upper
142	100		
141	88.5	73.0	109.6
115	55.6	43.3	64.9



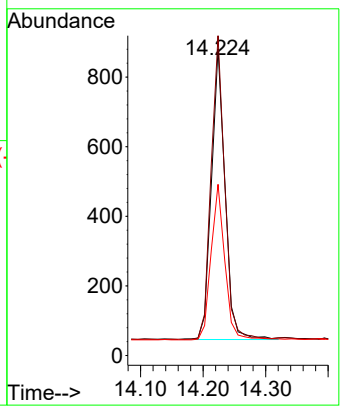


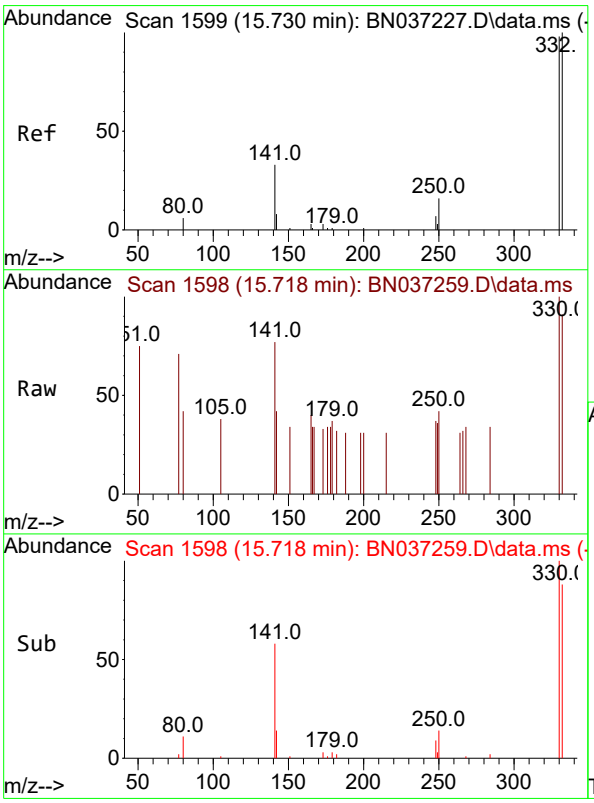
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1268

Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.7	130.1
160	55.8	45.8	68.6

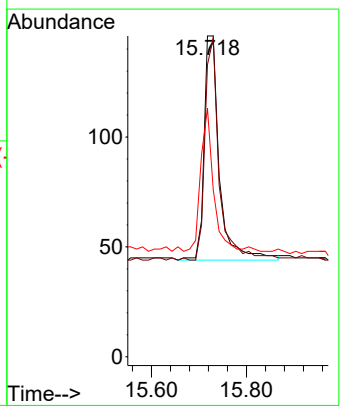


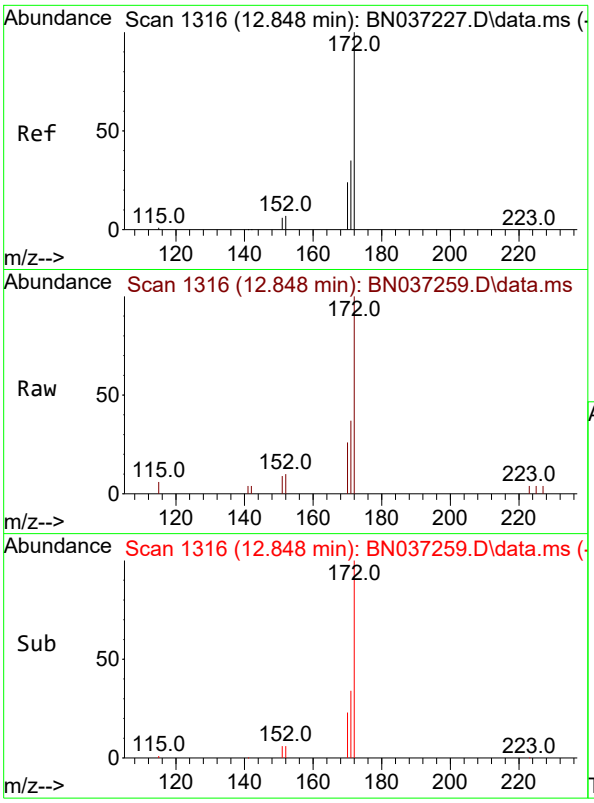


#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:330 Resp: 230

Ion	Ratio	Lower	Upper
330	100		
332	92.2	74.9	112.3
141	52.6	45.1	67.7



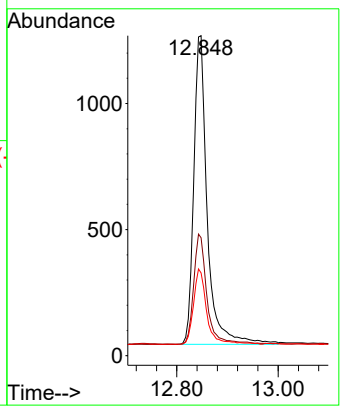


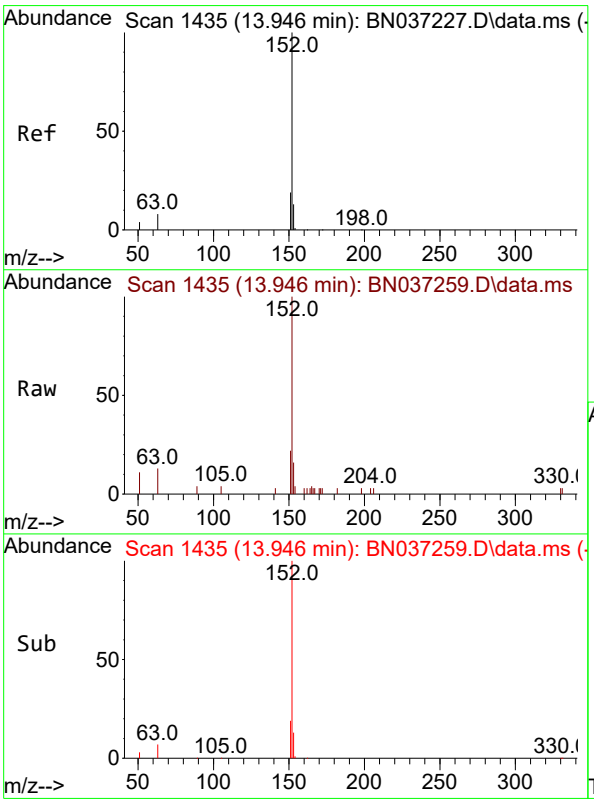
#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2271

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.8
170	25.8	21.1	31.7

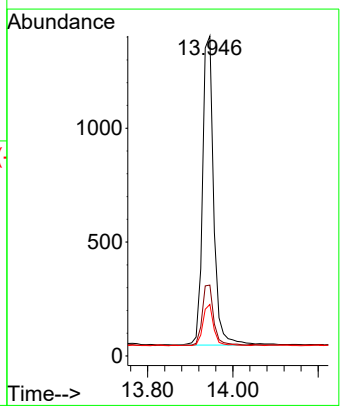


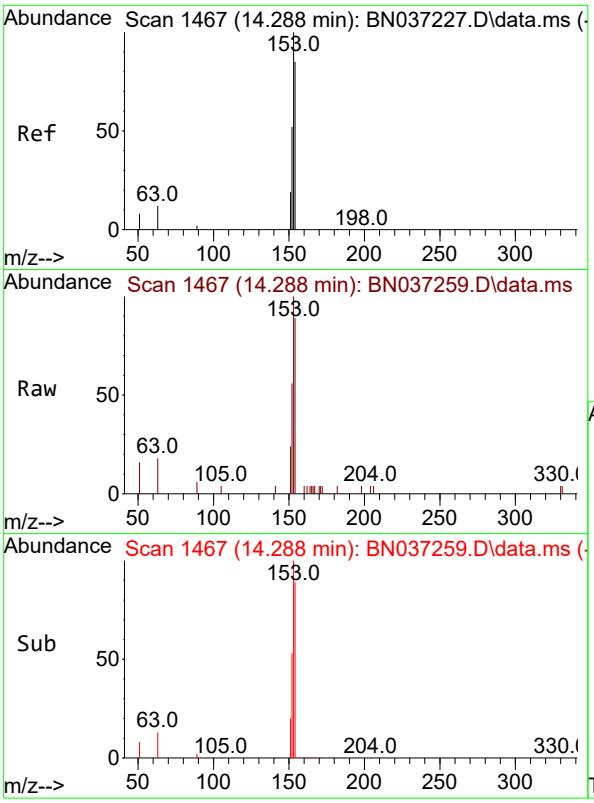


#16
Acenaphthylene
Concen: 0.396 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:152 Resp: 2462

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.3	10.7	16.1



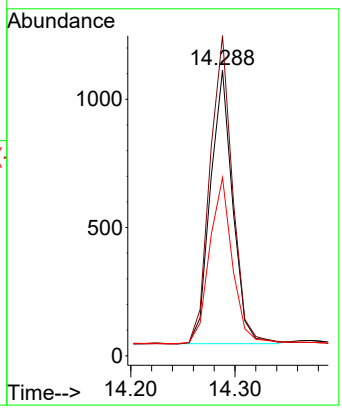


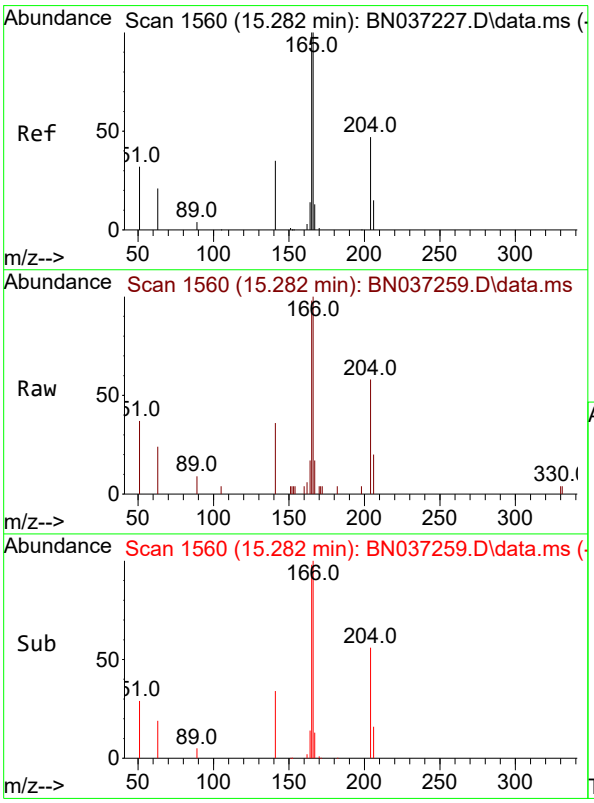
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 1581

Ion	Ratio	Lower	Upper
154	100		
153	115.4	94.6	141.8
152	63.3	49.6	74.4

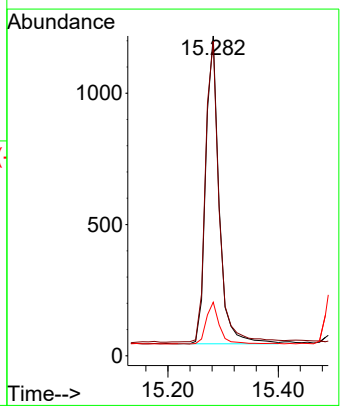


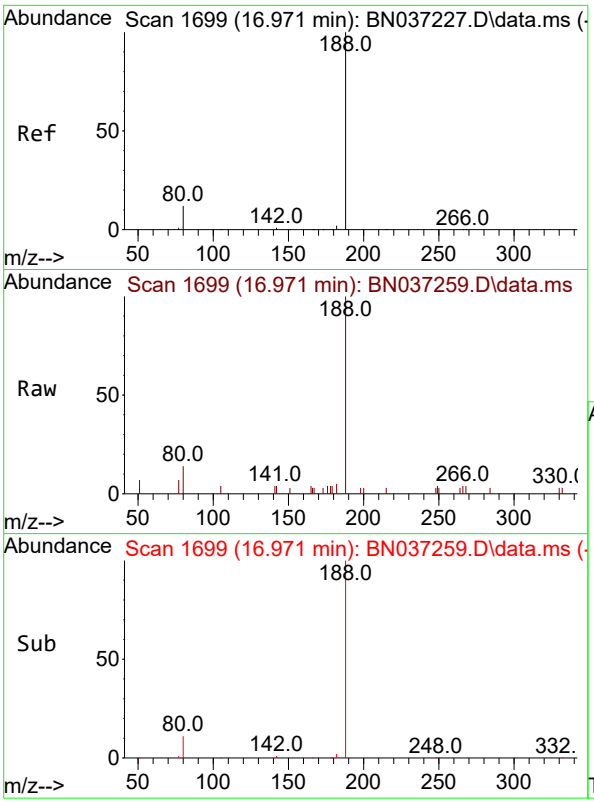


#18
Fluorene
Concen: 0.385 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:166 Resp: 1985

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.6
167	13.5	10.8	16.2



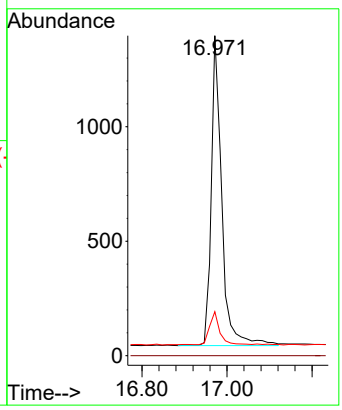


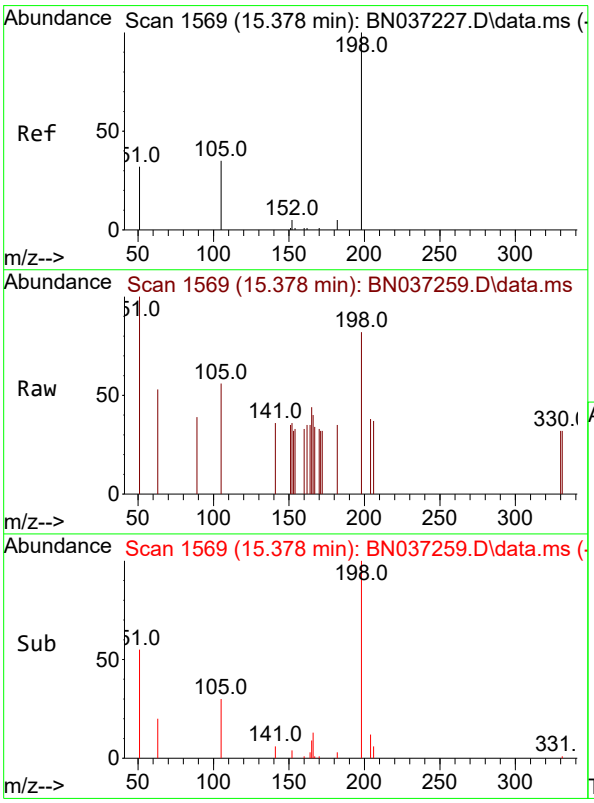
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 2318

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	12.2	18.4

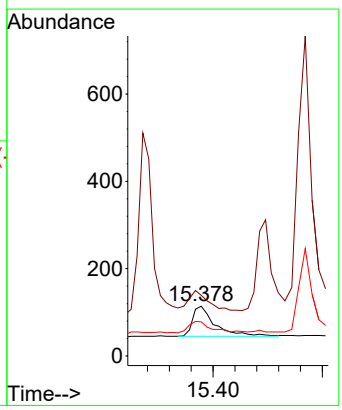


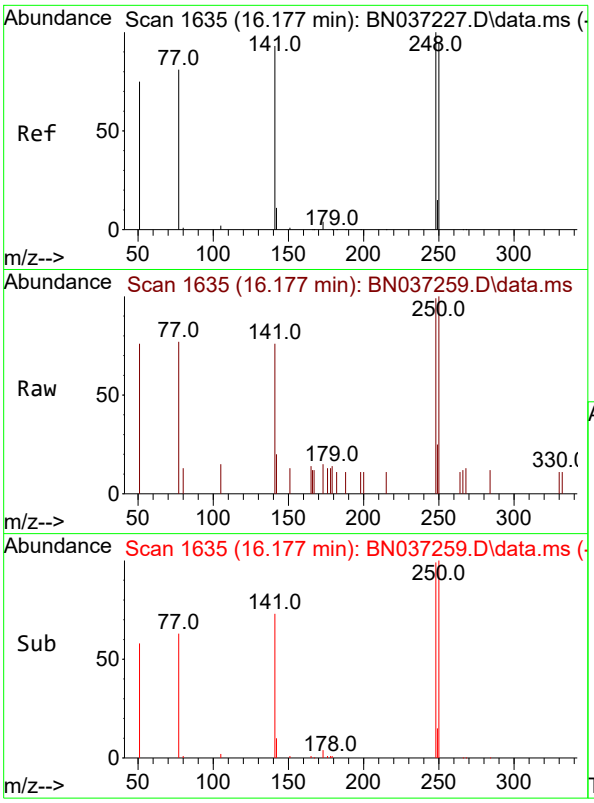


#20
4,6-Dinitro-2-methylphenol
Concen: 0.443 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:198 Resp: 199

Ion	Ratio	Lower	Upper
198	100		
51	121.9	111.2	166.8
105	68.4	54.0	81.0



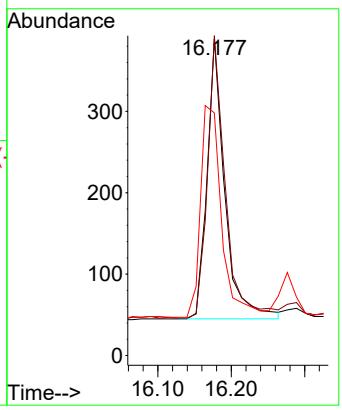


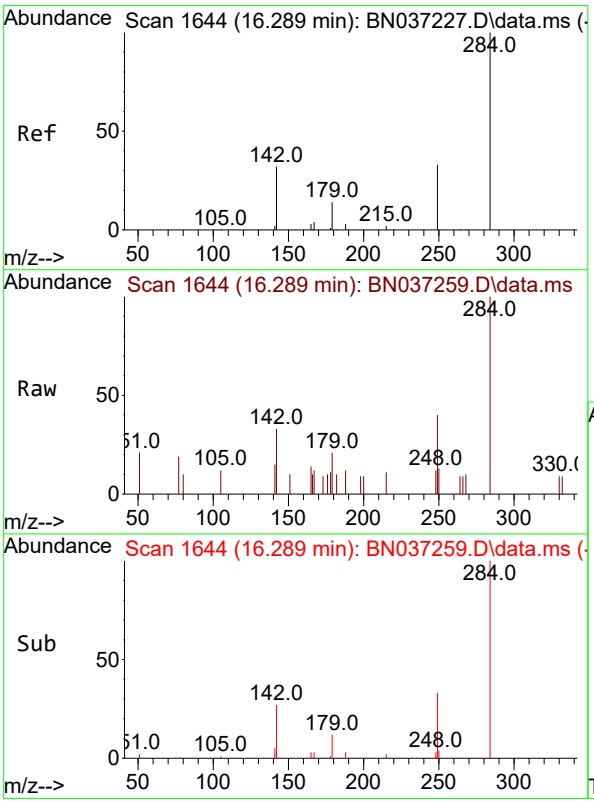
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.177 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 578

Ion	Ratio	Lower	Upper
248	100		
250	101.0	76.8	115.2
141	76.6	75.6	113.4

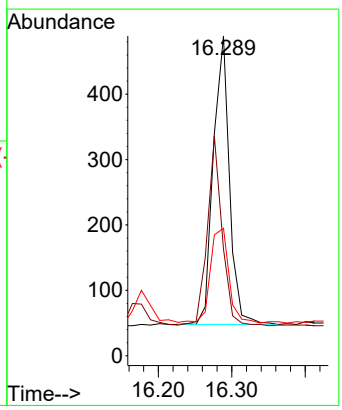


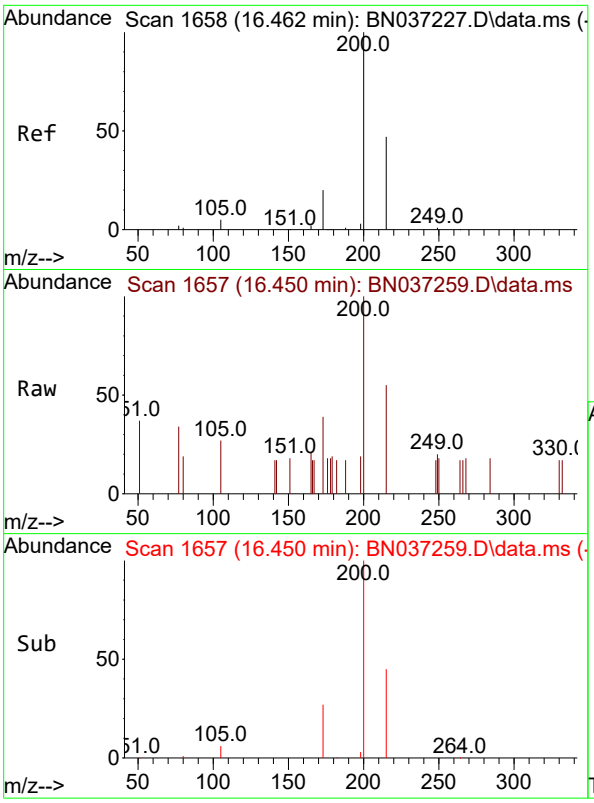


#22
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:284 Resp: 670

Ion	Ratio	Lower	Upper
284	100		
142	60.3	43.8	65.6
249	37.5	28.4	42.6



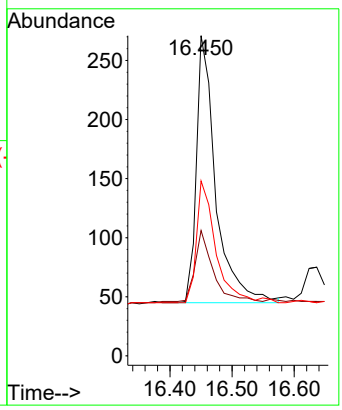


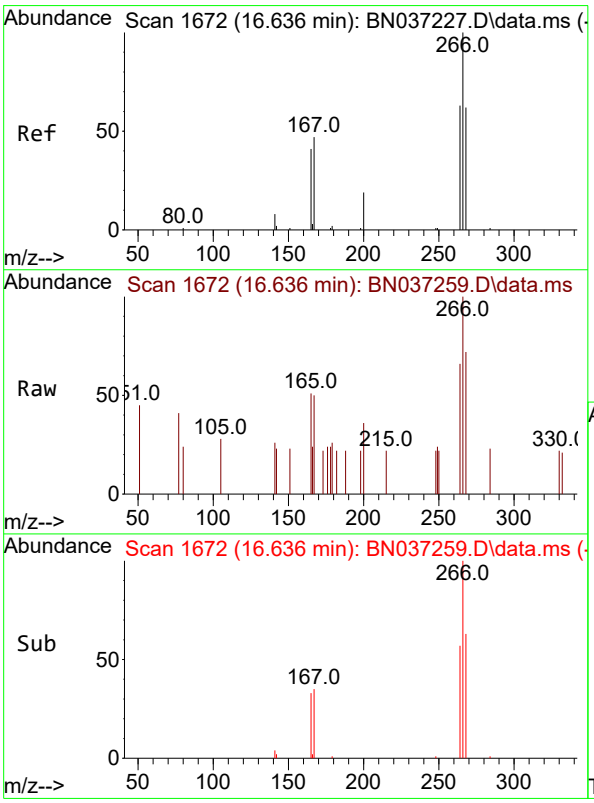
#23
Atrazine
Concen: 0.363 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 489

Ion	Ratio	Lower	Upper
200	100		
173	39.1	25.1	37.7#
215	54.6	43.7	65.5

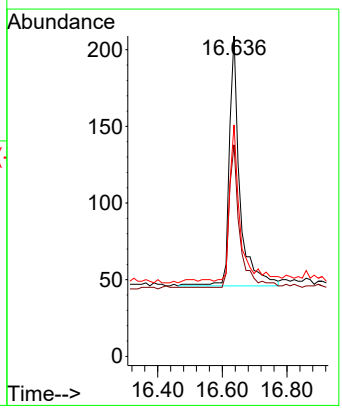


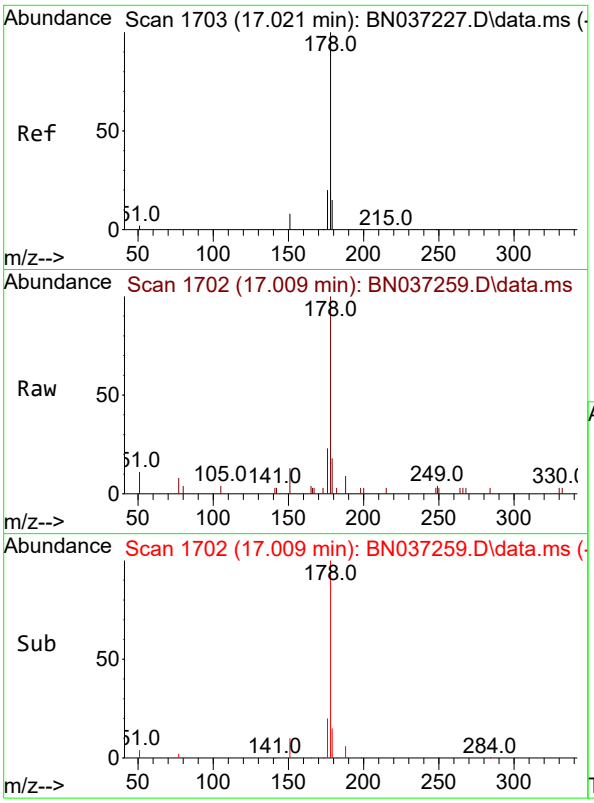


#24
Pentachlorophenol
Concen: 0.428 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:266 Resp: 367

Ion	Ratio	Lower	Upper
266	100		
264	56.9	49.2	73.8
268	62.1	53.4	80.2



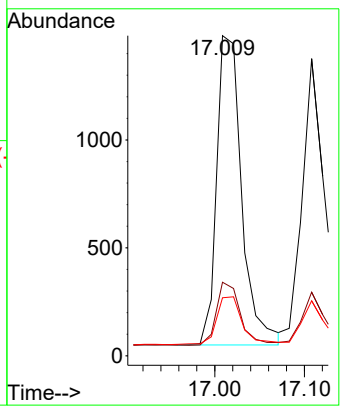


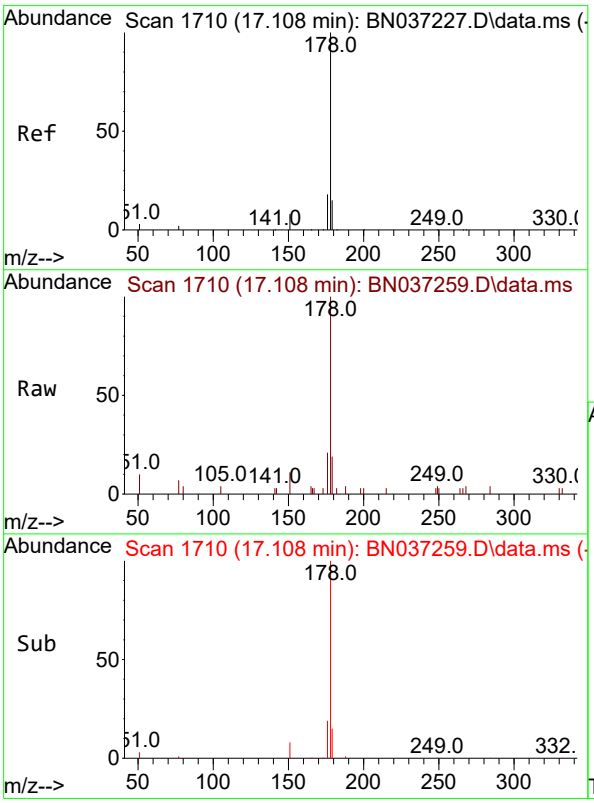
#25
Phenanthrene
Concen: 0.379 ng
RT: 17.009 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 2788

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	16.3	12.6	18.8

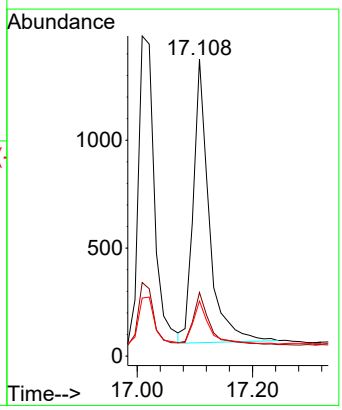


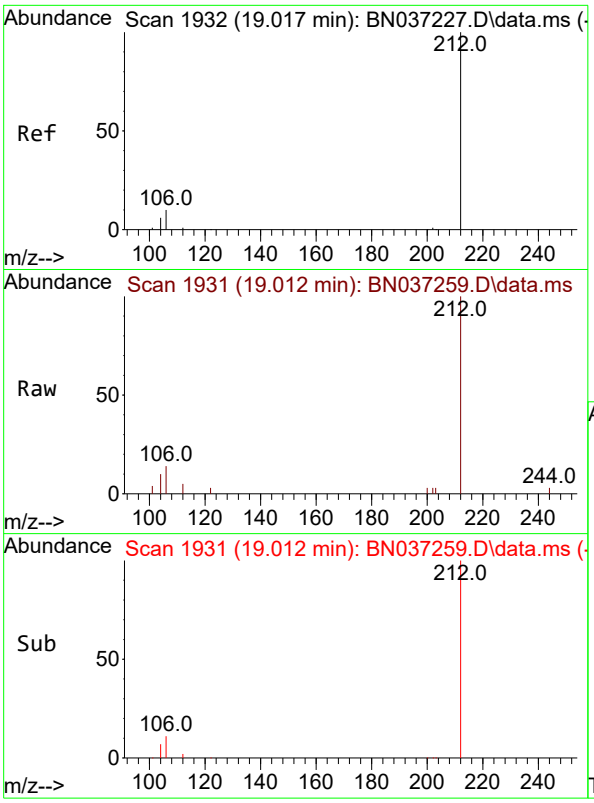


#26
Anthracene
Concen: 0.371 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:178 Resp: 2496

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.0	12.4	18.6



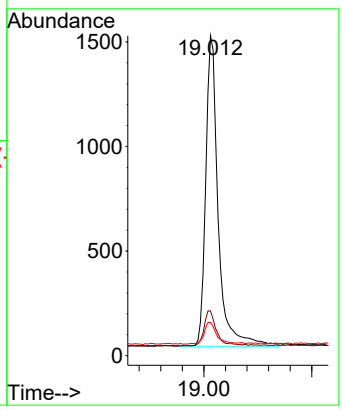


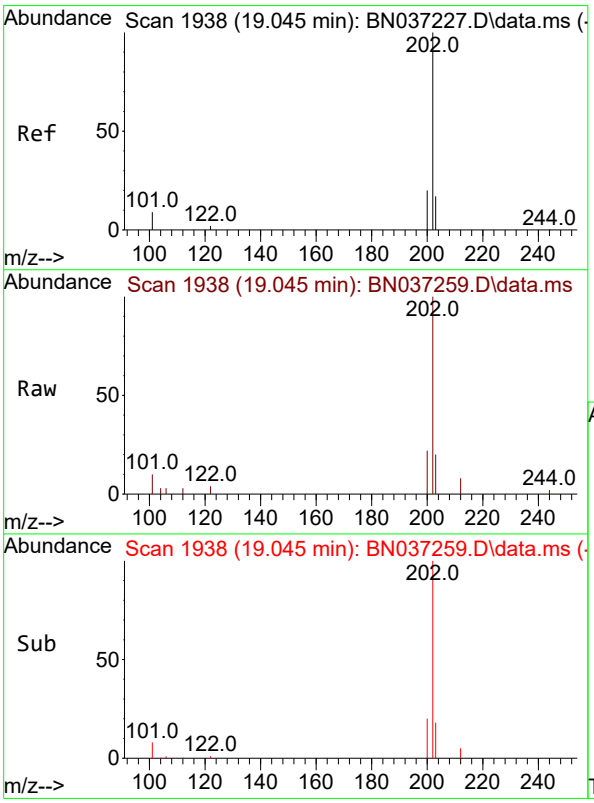
#27
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 2382

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.3	13.9
104	6.9	5.7	8.5

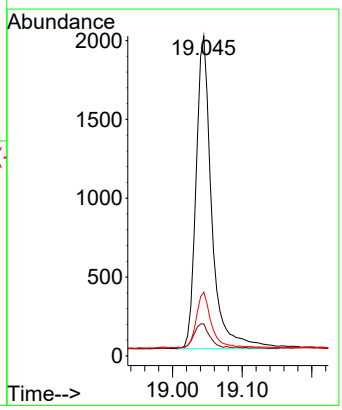


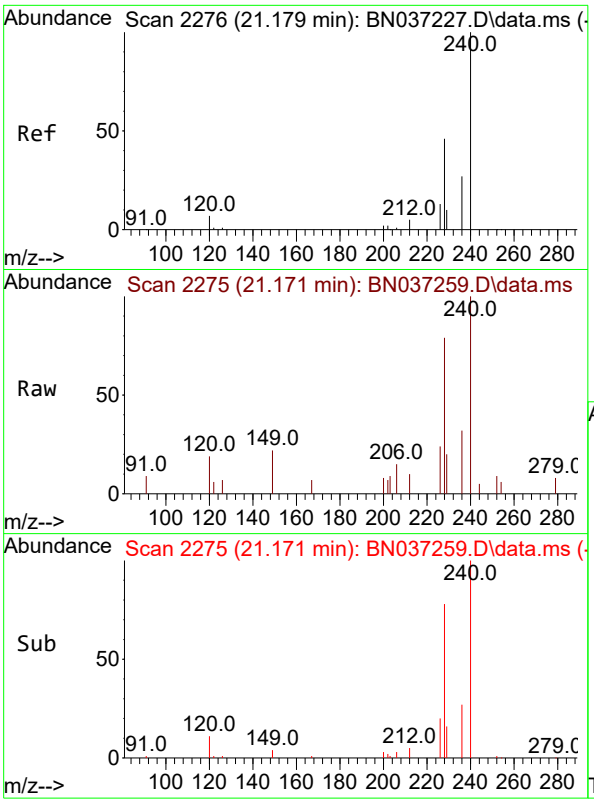


#28
Fluoranthene
Concen: 0.362 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:202 Resp: 3112

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.1	10.7
203	17.1	13.0	19.6



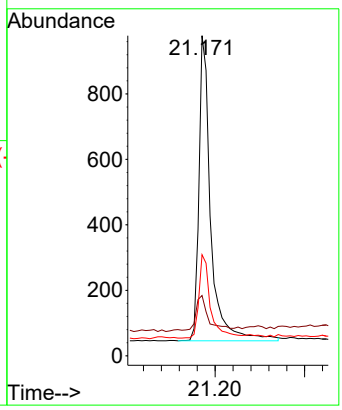


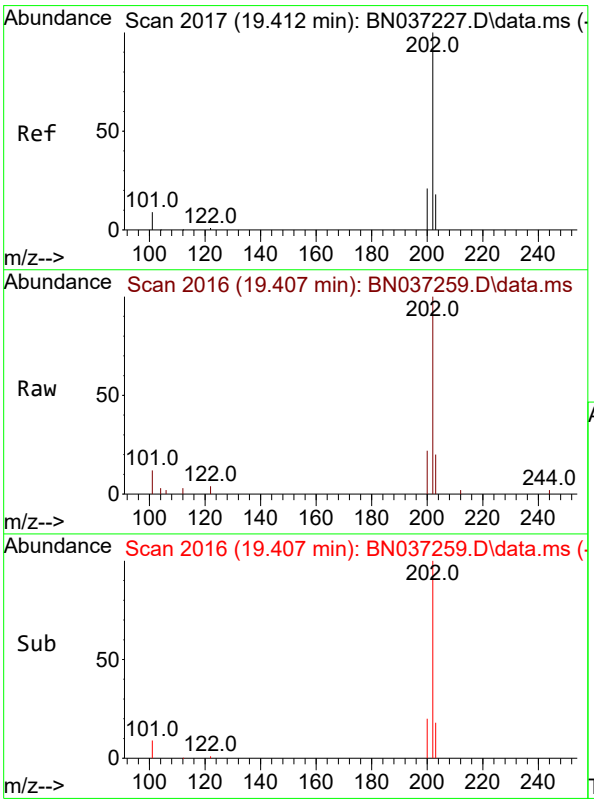
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 1702

Ion	Ratio	Lower	Upper
240	100		
120	18.8	11.3	16.9#
236	31.6	24.4	36.6

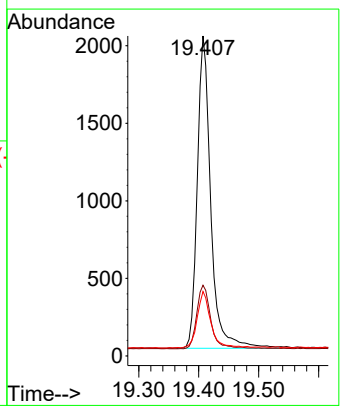


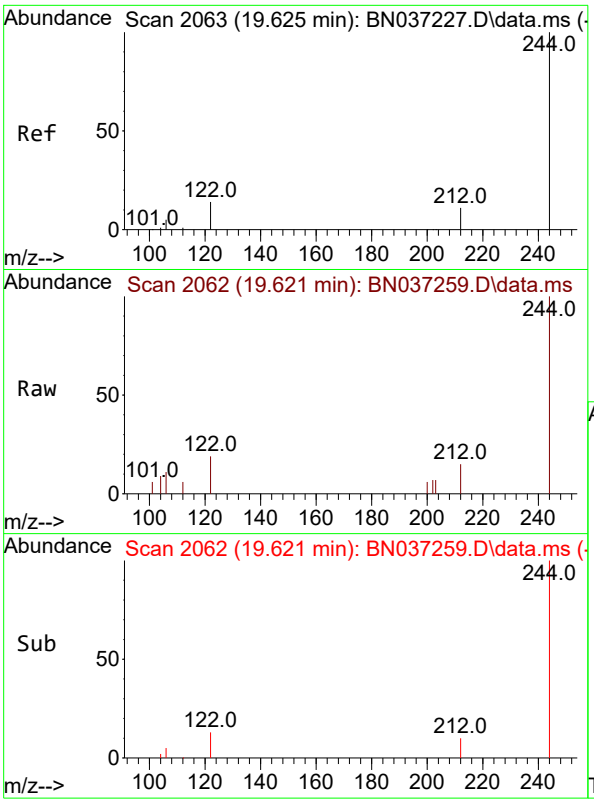


#30
Pyrene
Concen: 0.392 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:202 Resp: 3140

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.3	14.3	21.5



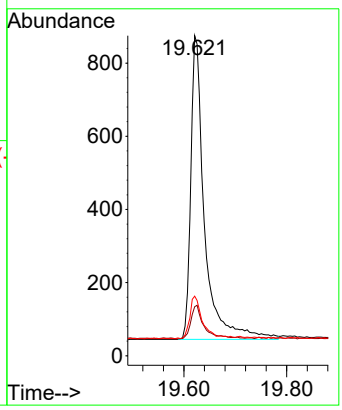


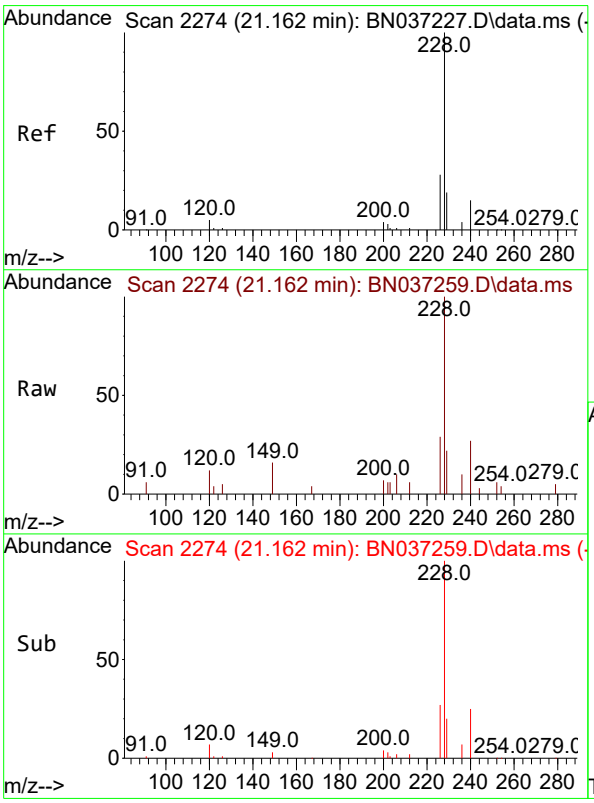
#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 1544

Ion	Ratio	Lower	Upper
244	100		
212	15.3	12.2	18.2
122	18.6	14.3	21.5

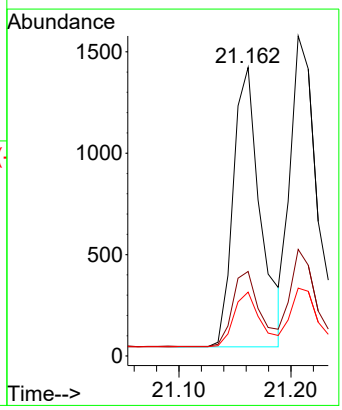


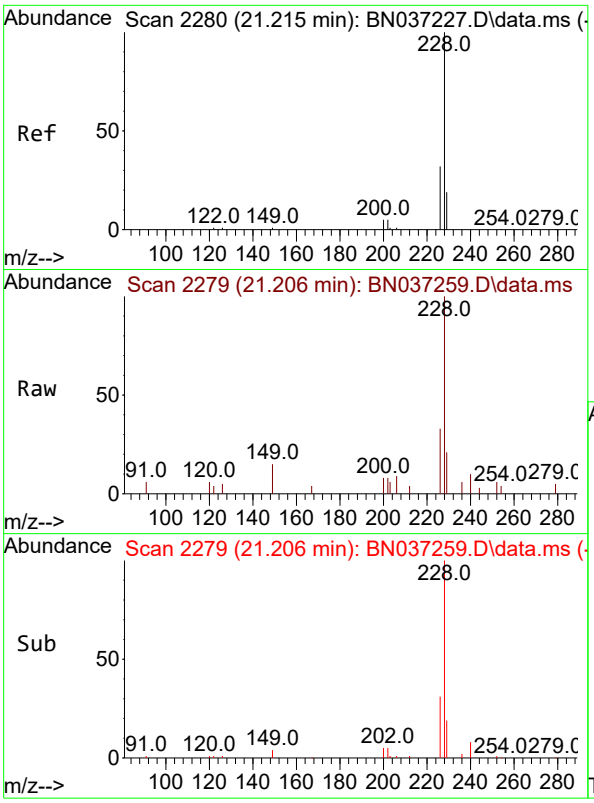


#32
Benzo(a)anthracene
Concen: 0.404 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:228 Resp: 2322

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	22.1	17.0	25.4



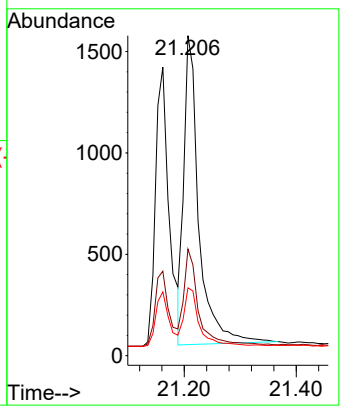


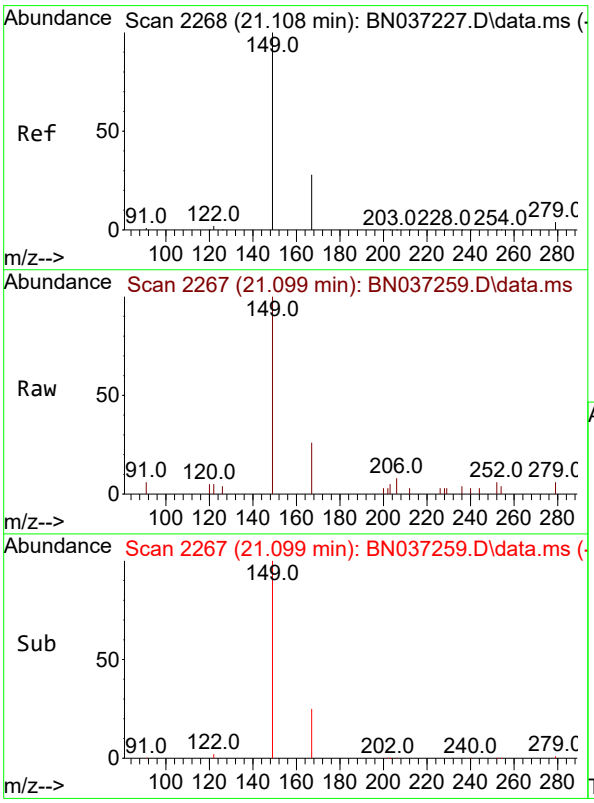
#33
Chrysene
Concen: 0.396 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 2833

Ion	Ratio	Lower	Upper
228	100		
226	33.3	25.8	38.6
229	21.2	17.0	25.4

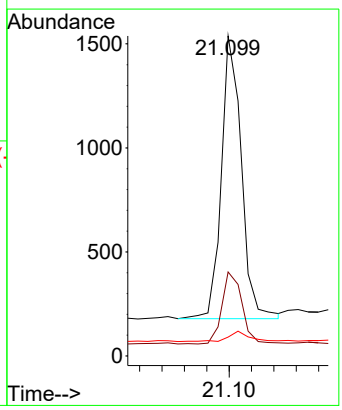


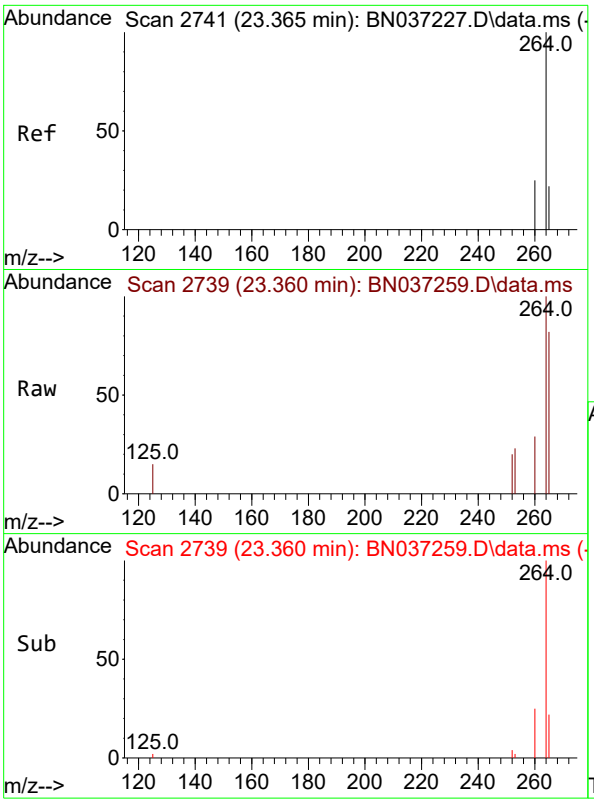


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:149 Resp: 1690

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.3	31.9
279	4.0	3.3	4.9



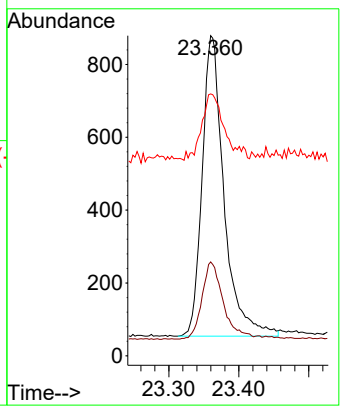


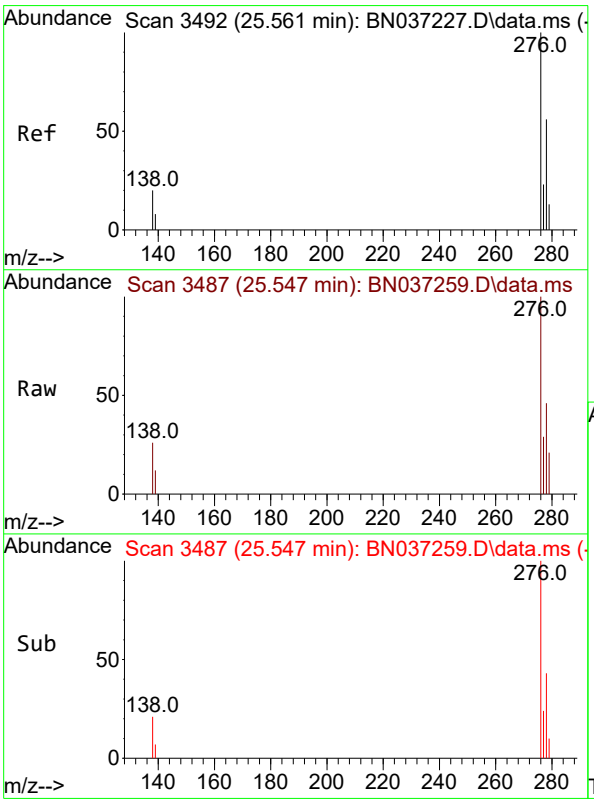
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 1789

Ion	Ratio	Lower	Upper
264	100		
260	29.4	22.8	34.2
265	81.8	66.4	99.6

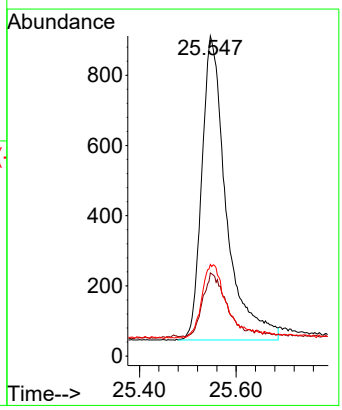


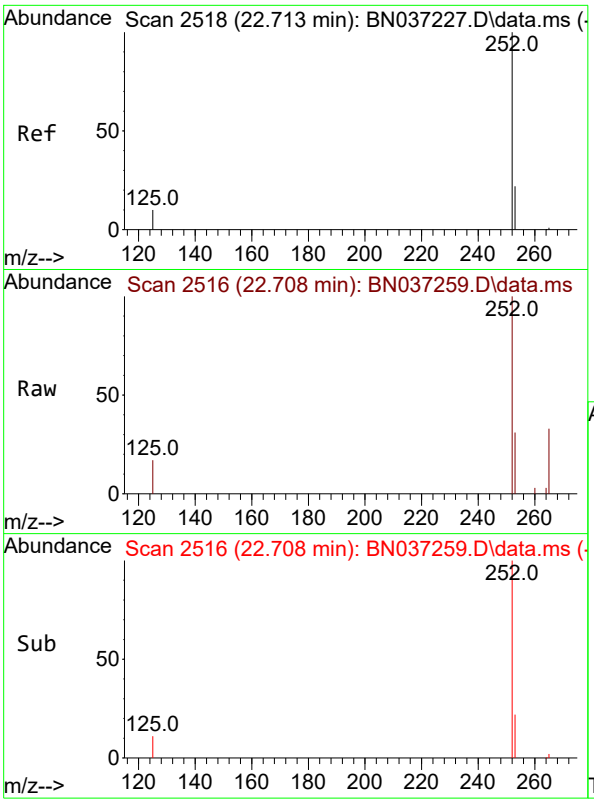


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.421 ng
RT: 25.547 min Scan# 3487
Delta R.T. -0.014 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:276 Resp: 3038

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.8	25.2
277	23.9	19.5	29.3



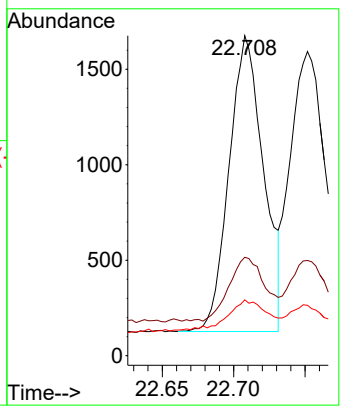


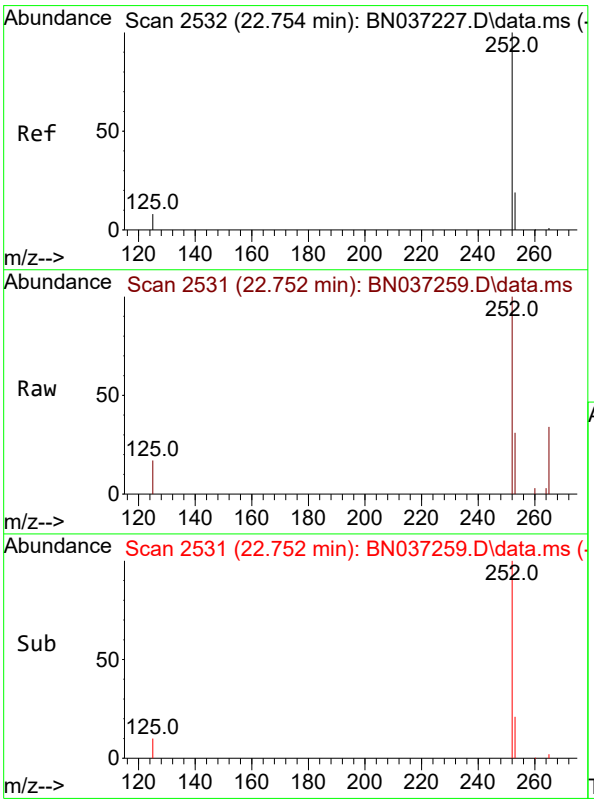
#37
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2598

Ion	Ratio	Lower	Upper
252	100		
253	30.8	24.9	37.3
125	17.5	12.9	19.3

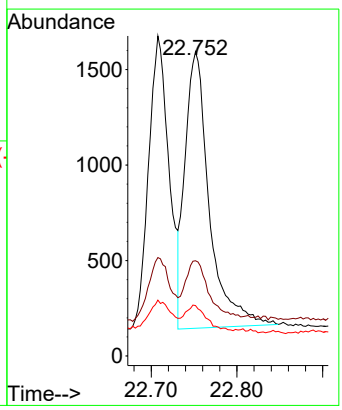


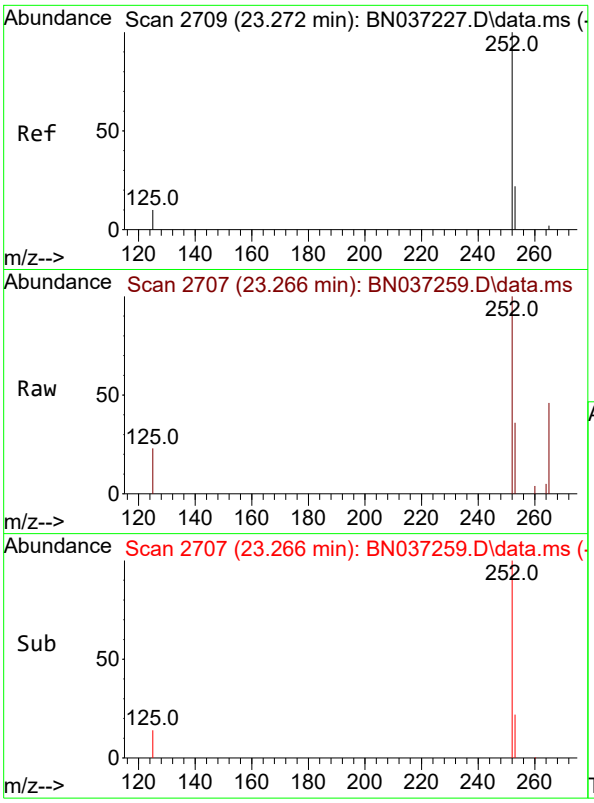


#38
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:252 Resp: 2852

Ion	Ratio	Lower	Upper
252	100		
253	31.3	24.6	37.0
125	16.6	13.4	20.2



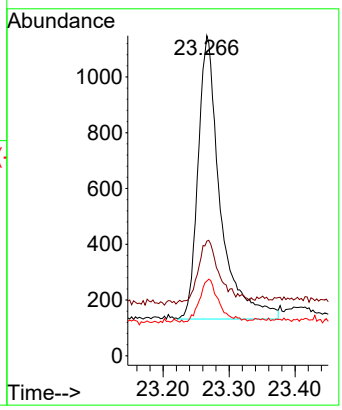


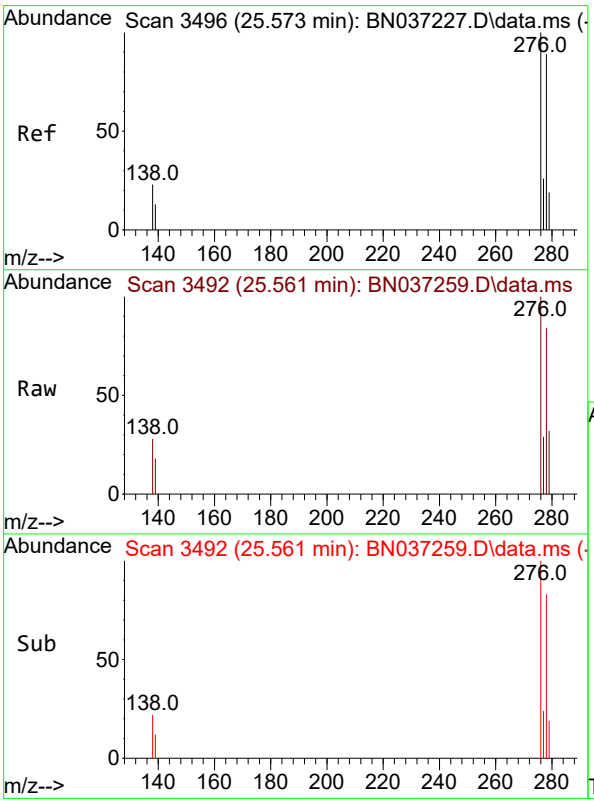
#39
Benzo(a)pyrene
Concen: 0.403 ng
RT: 23.266 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2372

Ion	Ratio	Lower	Upper
252	100		
253	35.8	29.4	44.2
125	23.3	16.2	24.2

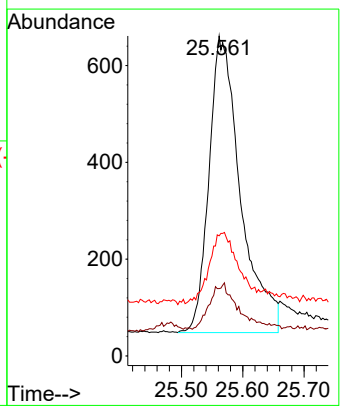


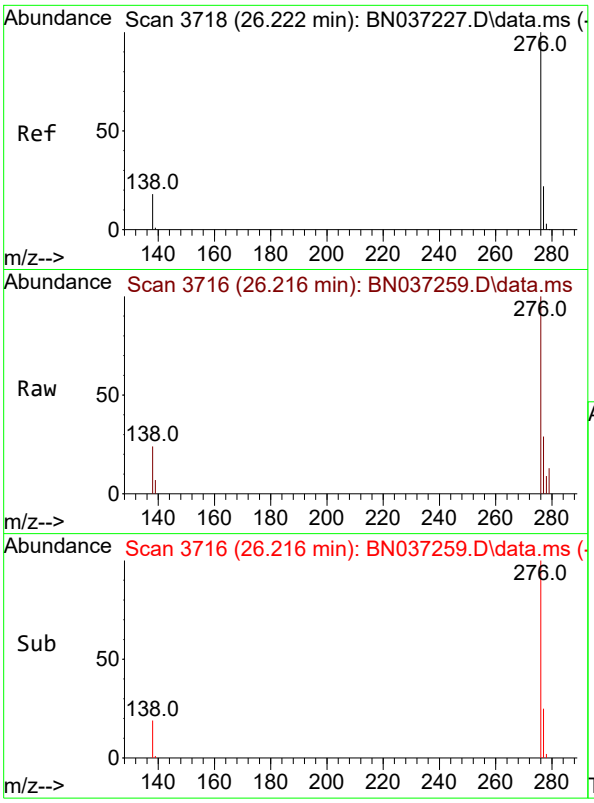


#40
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 25.561 min Scan# 3492
Delta R.T. -0.012 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Tgt Ion:278 Resp: 2198

Ion	Ratio	Lower	Upper
278	100		
139	21.0	17.8	26.6
279	37.5	31.3	46.9





#41
Benzo(g,h,i)perylene
Concen: 0.411 ng
RT: 26.216 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037259.D
Acq: 14 Jun 2025 13:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 2747

Ion	Ratio	Lower	Upper
276	100		
277	29.3	22.0	33.0
138	24.0	18.4	27.6