Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061925\
Data File : BN037324.D
Acq On : 18 Jun 2025 22:02
Operator : RC/JU
Sample : PB168508BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Quant Time: Jun 19 02:40:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 18 18:40:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	562	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	1150	0.400	ng	# 0.01
13) Acenaphthene-d10	14.224	164	831	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	1490	0.400	ng	# 0.01
29) Chrysene-d12	21.180	240	1687	0.400	ng	# 0.00
35) Perylene-d12	23.366	264	1359	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	451	0.442	ng	0.00
5) Phenol-d6	6.766	99	351	0.350	ng	0.00
8) Nitrobenzene-d5	8.749	82	334	0.349	ng	0.02
11) 2-Methylnaphthalene-d10	11.966	152	701	0.375	ng	0.02
14) 2,4,6-Tribromophenol	15.743	330	199	0.325	ng	0.02
15) 2-Fluorobiphenyl	12.858	172	1324	0.364	ng	0.02
27) Fluoranthene-d10	19.017	212	2136	0.452	ng	0.00
31) Terphenyl-d14	19.625	244	1639	0.423	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.112	88	7	0.014	ng	# 36
3) n-Nitrosodimethylamine	3.516	42	391	0.672	ng	# 3
6) bis(2-Chloroethyl)ether	7.033	93	2	0.002	ng	# 11
9) Naphthalene	10.436	128	4	0.001	ng	# 1
10) Hexachlorobutadiene	10.703	225	2	0.001	ng	# 83
12) 2-Methylnaphthalene	12.037	142	2	0.001	ng	# 63
16) Acenaphthylene	13.914	152	3	0.001	ng	# 1
17) Acenaphthene	14.320	154	1	0.000	ng	# 3
18) Fluorene	15.293	166	4	0.001	ng	# 74
20) 4,6-Dinitro-2-methylph...	15.411	198	1	0.002	ng	# 23
21) 4-Bromophenyl-phenylether	16.165	248	2	0.002	ng	# 69
22) Hexachlorobenzene	16.276	284	9	0.007	ng	# 40
23) Atrazine	16.438	200	1	0.001	ng	# 29
24) Pentachlorophenol	16.649	266	22	0.031	ng	# 71
25) Phenanthrene	17.033	178	7	0.002	ng	# 3
26) Anthracene	17.145	178	10	0.003	ng	# 1
28) Fluoranthene	19.045	202	5	0.001	ng	# 55
30) Pyrene	19.416	202	8	0.001	ng	# 75
32) Benzo(a)anthracene	21.162	228	11	0.002	ng	# 1
33) Chrysene	21.162	228	11	0.002	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.099	149	30	0.013	ng	# 72
36) Indeno(1,2,3-cd)pyrene	25.564	276	2	0.000	ng	# 14
37) Benzo(b)fluoranthene	22.711	252	14	0.003	ng	# 1
38) Benzo(k)fluoranthene	22.763	252	3	0.001	ng	# 1
39) Benzo(a)pyrene	23.278	252	9	0.002	ng	# 1
40) Dibenzo(a,h)anthracene	25.573	278	2	0.000	ng	# 1
41) Benzo(g,h,i)perylene	26.213	276	2	0.000	ng	# 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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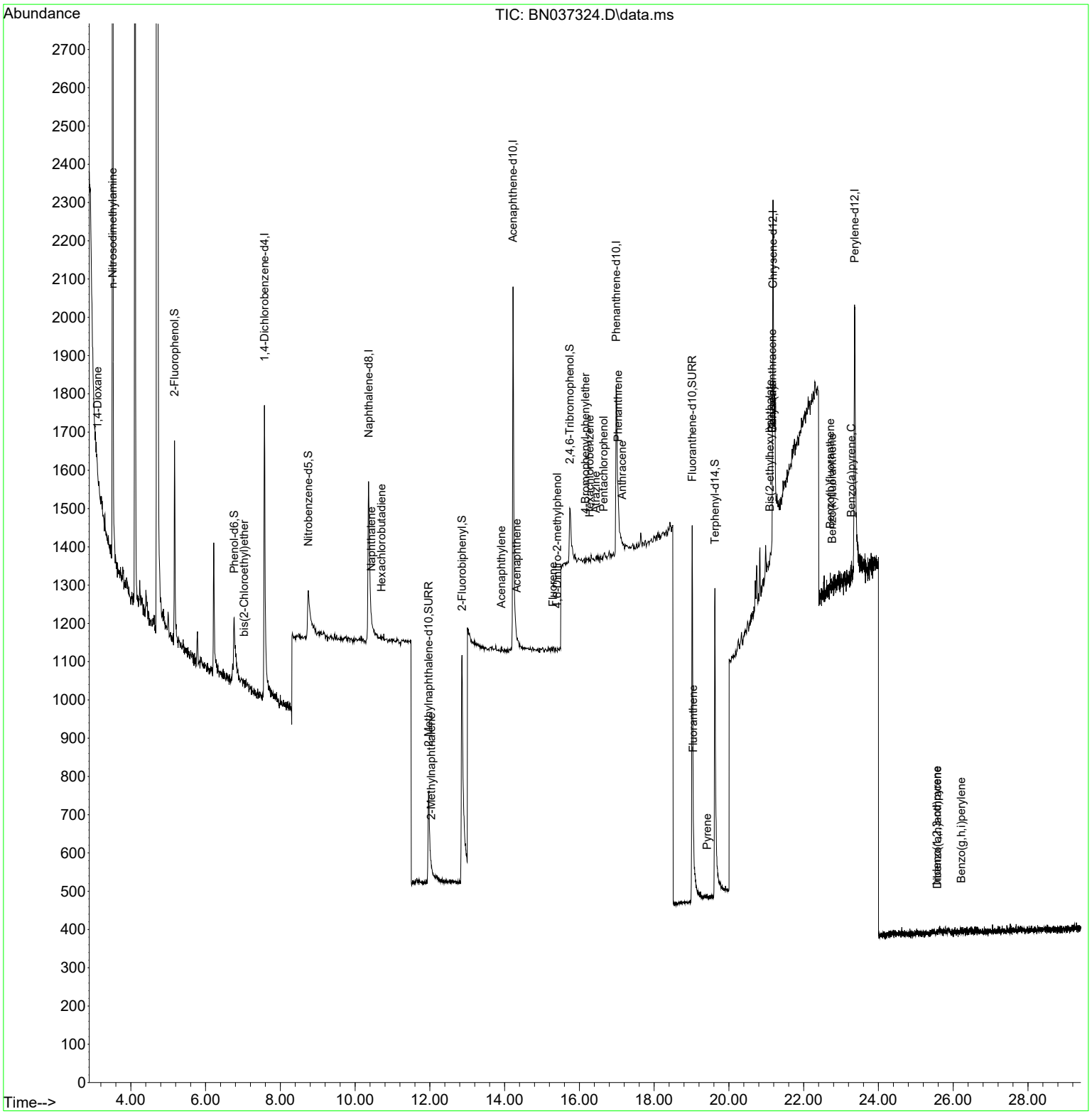
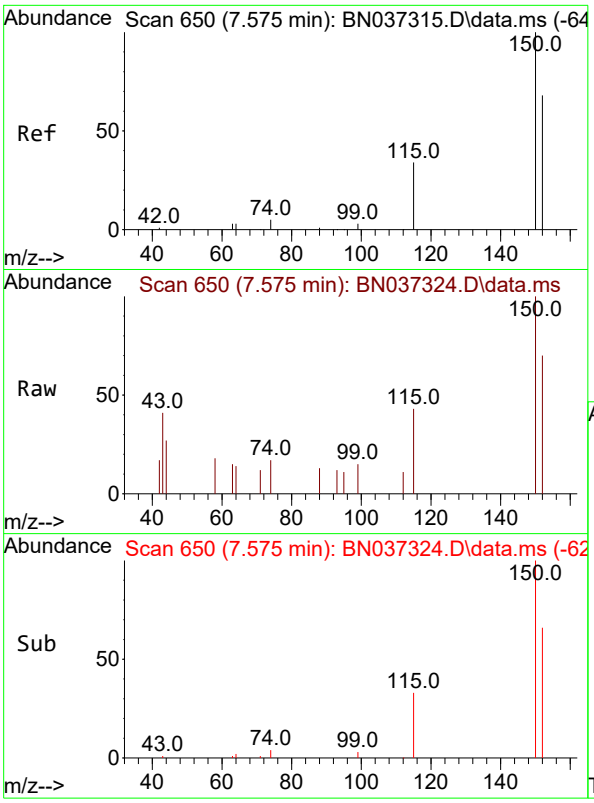


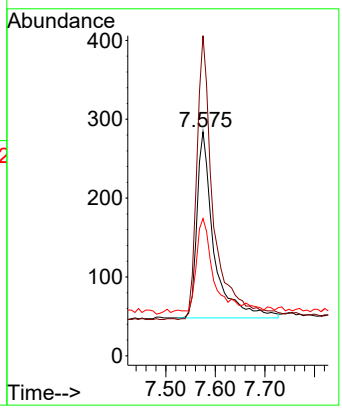


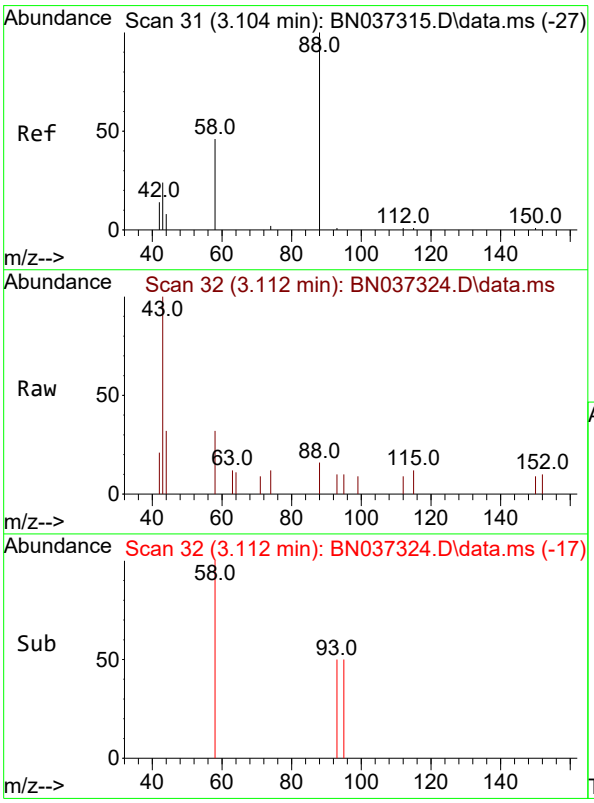
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:152 Resp: 562

Ion	Ratio	Lower	Upper
152	100		
150	143.0	112.7	169.1
115	61.3	45.9	68.9

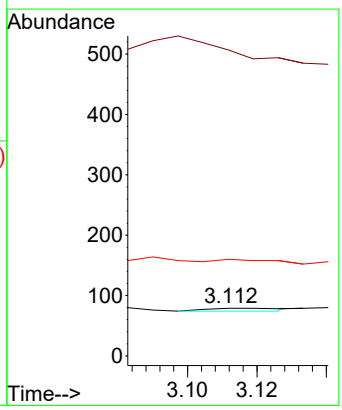


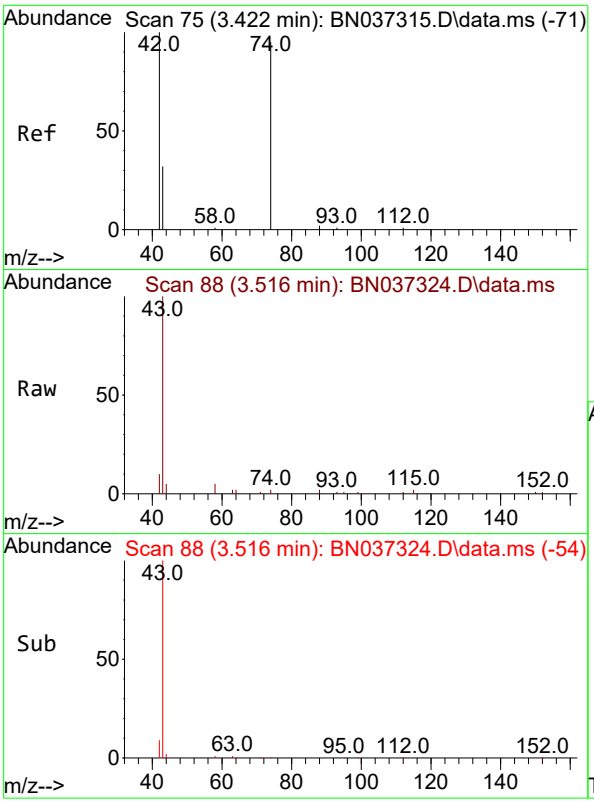


#2
1,4-Dioxane
Concen: 0.014 ng
RT: 3.112 min Scan# 32
Delta R.T. 0.007 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion: 88 Resp: 7

Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.0	31.6#
58	0.0	38.0	57.0#



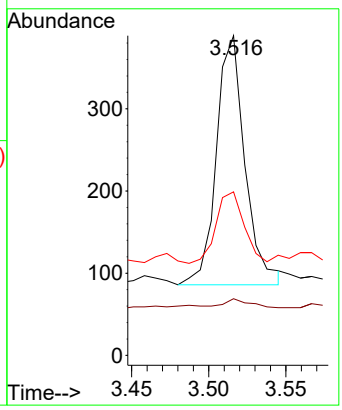


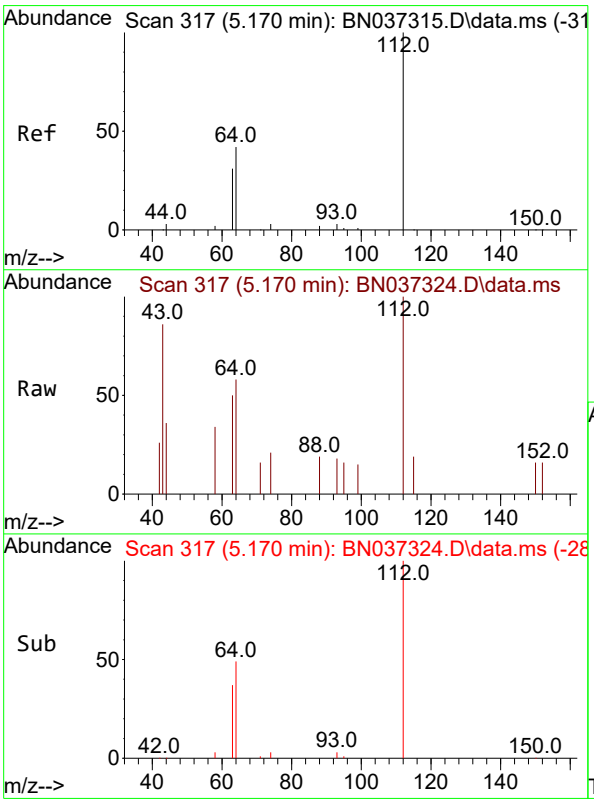
#3
n-Nitrosodimethylamine
Concen: 0.672 ng
RT: 3.516 min Scan# 8
Delta R.T. 0.094 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion: 42 Resp: 391

Ion	Ratio	Lower	Upper
42	100		
74	3.1	84.3	126.5#
44	28.1	5.0	7.4#

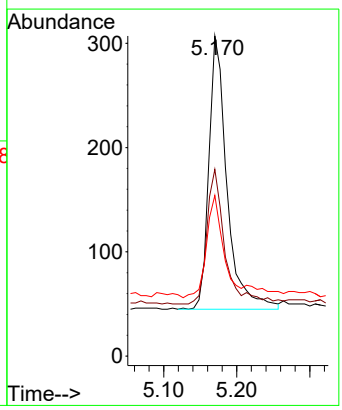


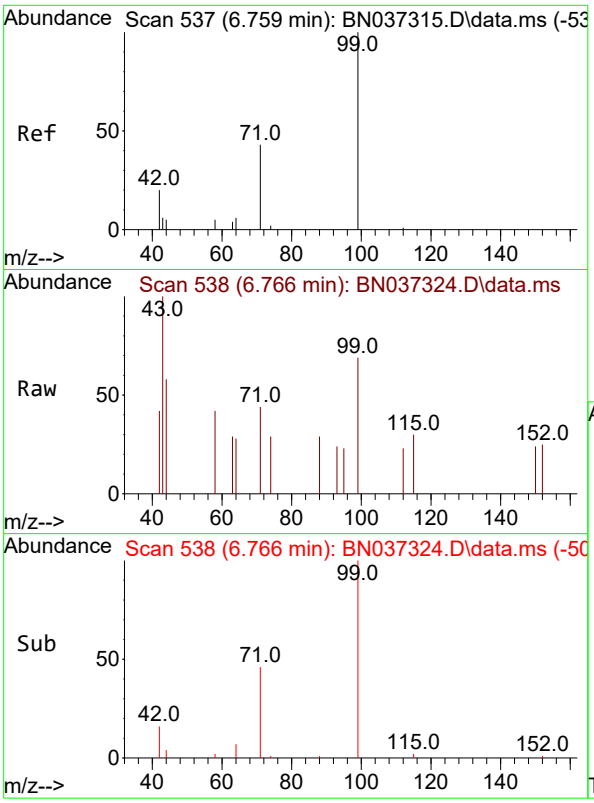


#4
2-Fluorophenol
Concen: 0.442 ng
RT: 5.170 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:112 Resp: 451

Ion	Ratio	Lower	Upper
112	100		
64	49.4	38.7	58.1
63	34.6	26.4	39.6



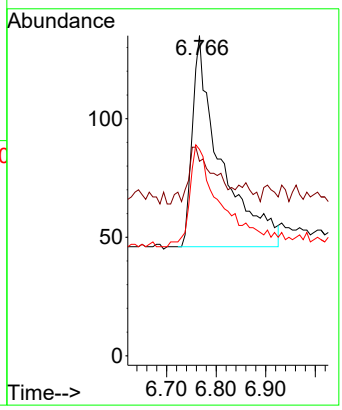


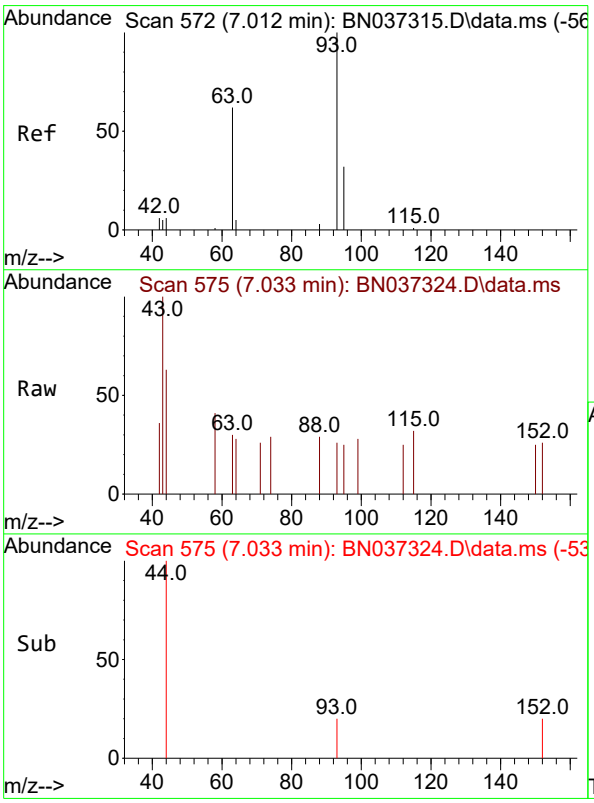
#5
Phenol-d6
Concen: 0.350 ng
RT: 6.766 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion: 99 Resp: 351

Ion	Ratio	Lower	Upper
99	100		
42	25.4	19.8	29.8
71	51.9	42.6	64.0

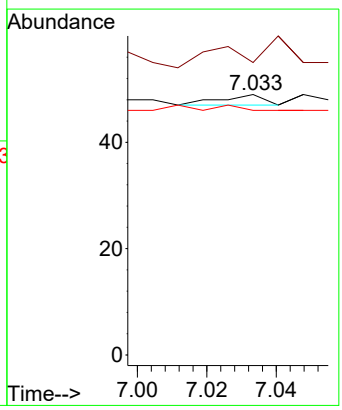


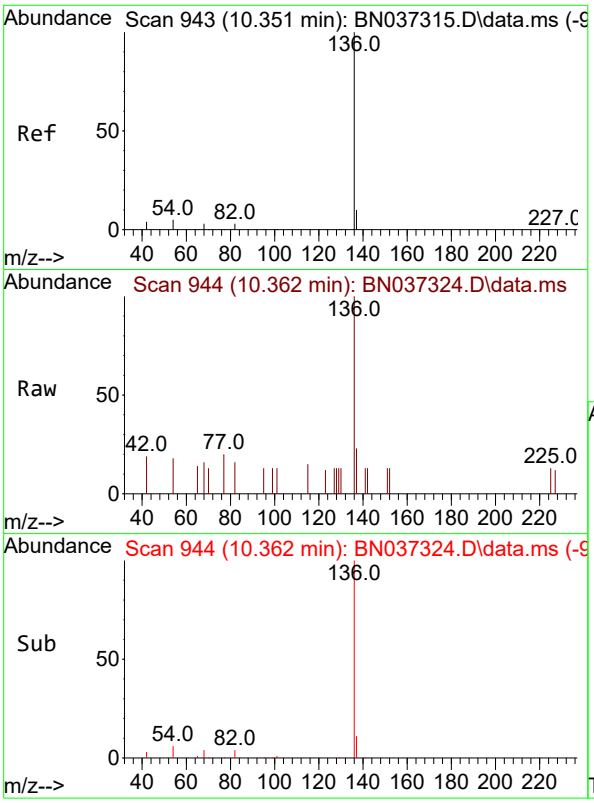


#6
bis(2-Chloroethyl)ether
Concen: 0.002 ng
RT: 7.033 min Scan# 575
Delta R.T. 0.022 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion: 93 Resp: 2

Ion	Ratio	Lower	Upper
93	100		
63	150.0	53.2	79.8#
95	0.0	27.3	40.9#



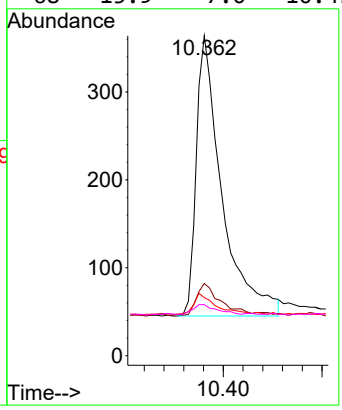


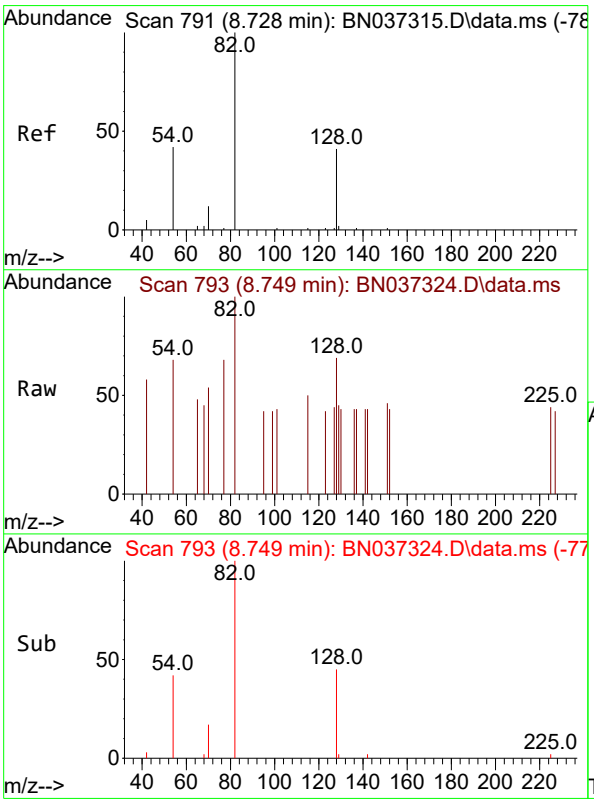
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:136 Resp: 1150

Ion	Ratio	Lower	Upper
136	100		
137	22.5	12.2	18.2#
54	18.1	8.8	13.2#
68	15.9	7.0	10.4#

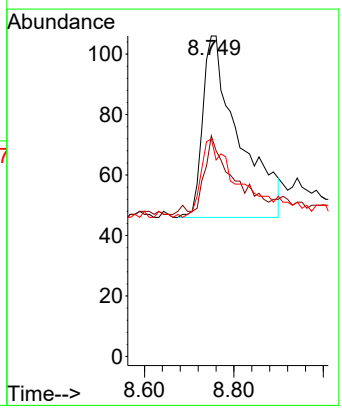


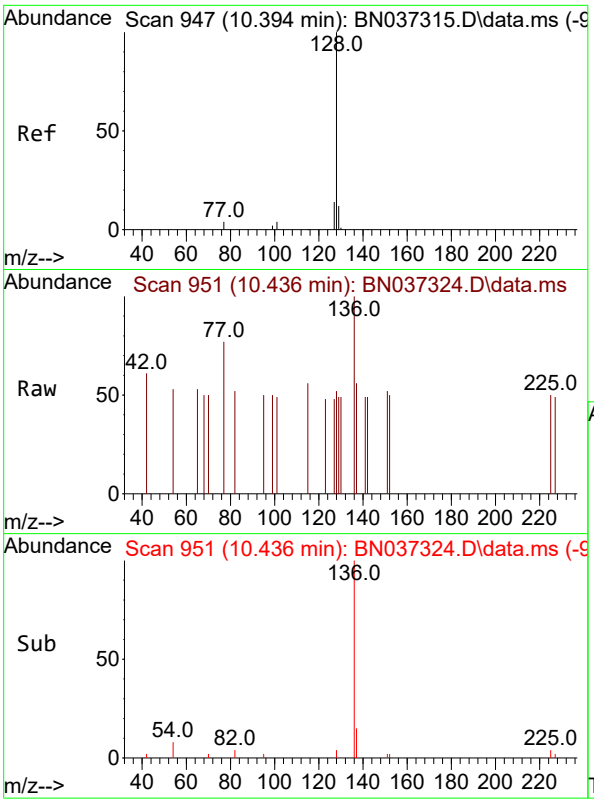


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.749 min Scan# 793
Delta R.T. 0.021 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion: 82 Resp: 334

Ion	Ratio	Lower	Upper
82	100		
128	68.9	42.5	63.7#
54	67.9	43.2	64.8#



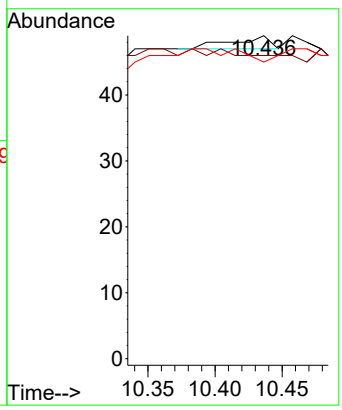


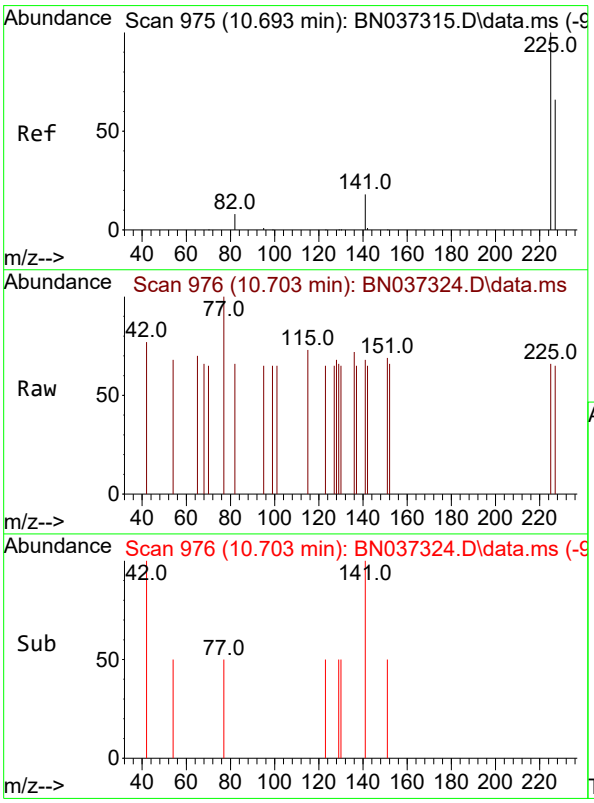
#9
Naphthalene
Concen: 0.001 ng
RT: 10.436 min Scan# 9
Delta R.T. 0.043 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:128 Resp: 4

Ion	Ratio	Lower	Upper
128	100		
129	93.9	14.0	21.0#
127	91.8	15.8	23.8#

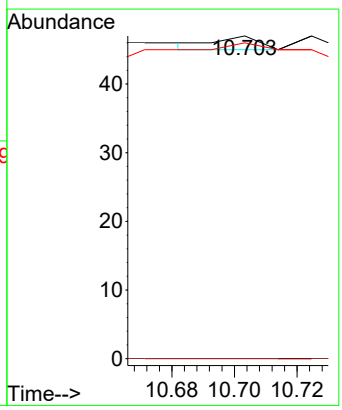


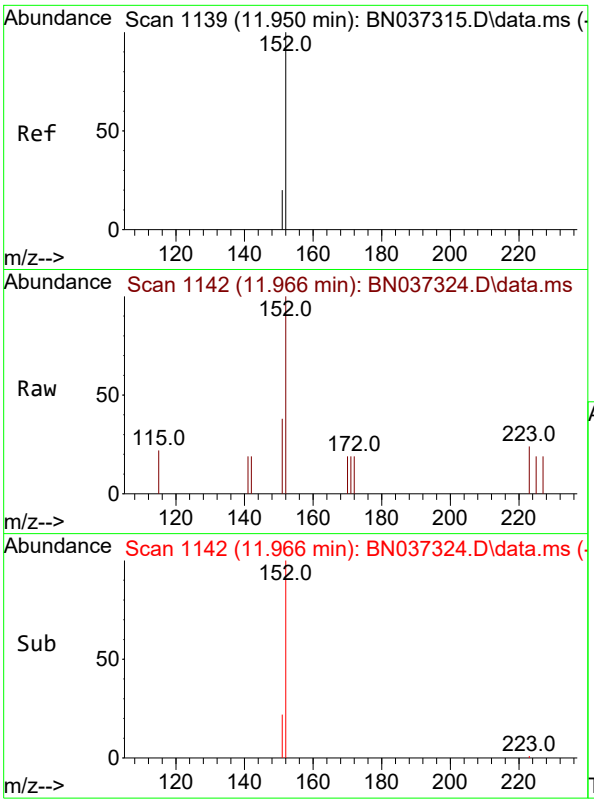


#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.703 min Scan# 976
Delta R.T. 0.011 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:225 Resp: 2

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	50.0	50.3	75.5#



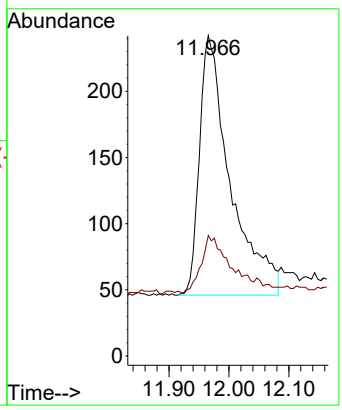


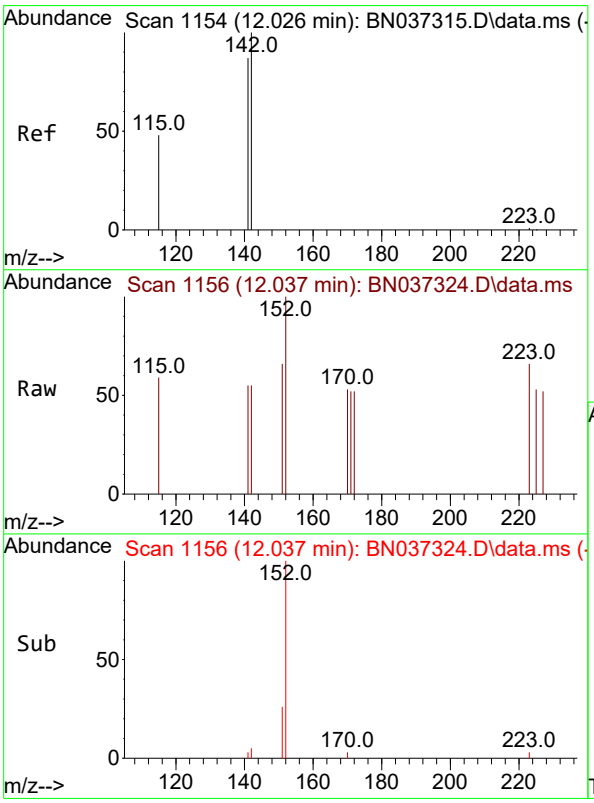
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.966 min Scan# 1
Delta R.T. 0.015 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:152 Resp: 701

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.4	26.0

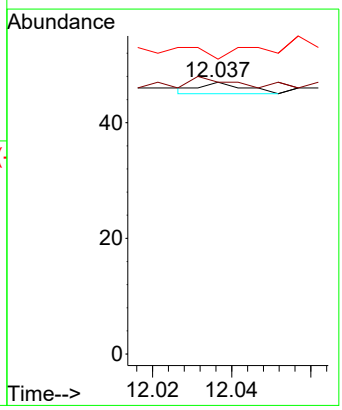


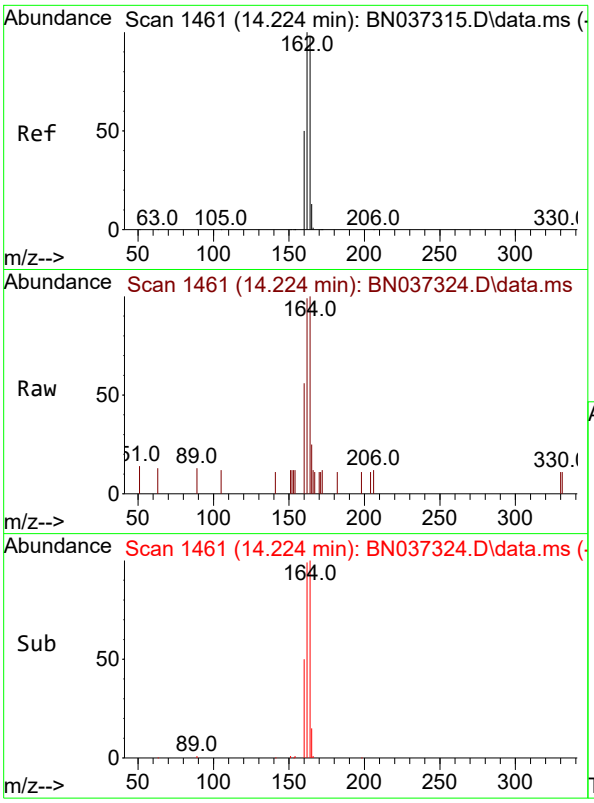


#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.037 min Scan# 1156
Delta R.T. 0.010 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:142 Resp: 2

Ion	Ratio	Lower	Upper
142	100		
141	100.0	70.2	105.2
115	108.5	43.0	64.4#



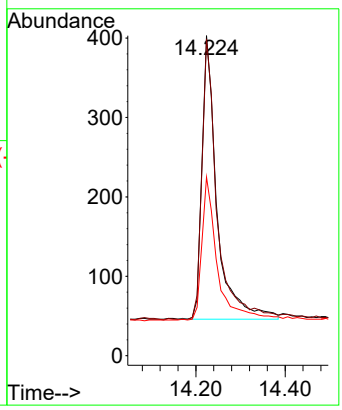


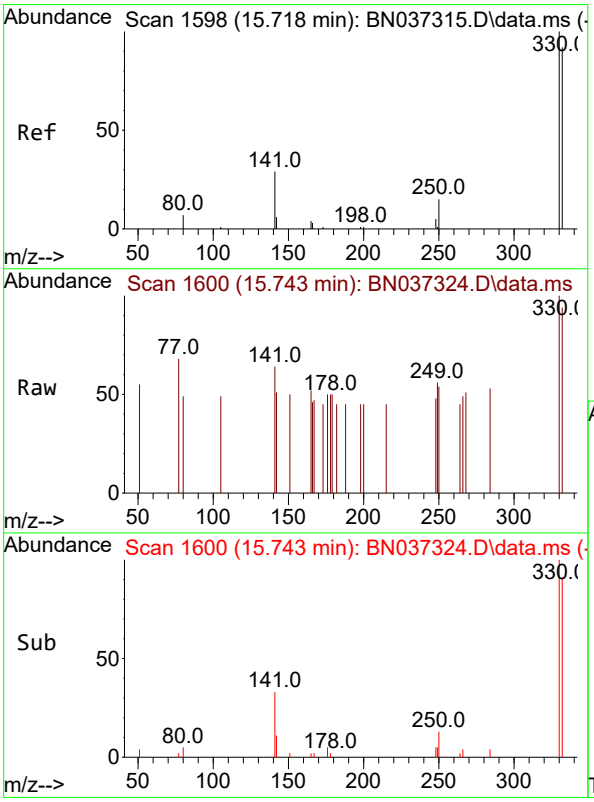
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:164 Resp: 831

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.5	122.3
160	55.8	43.0	64.4

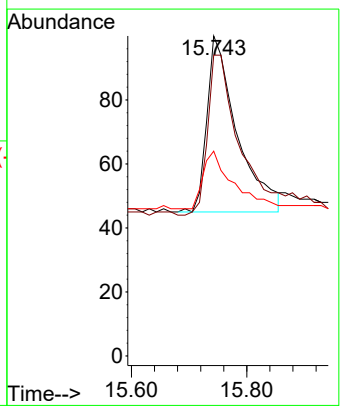


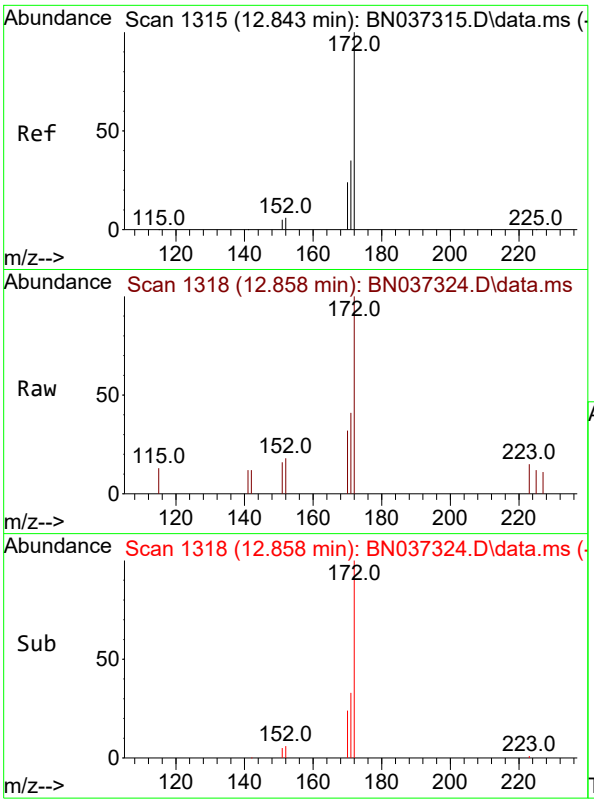


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.025 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:330 Resp: 199

Ion	Ratio	Lower	Upper
330	100		
332	98.5	78.4	117.6
141	32.7	24.4	36.6



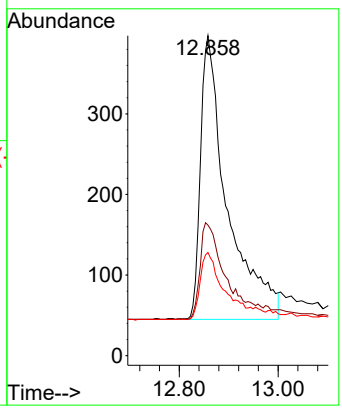


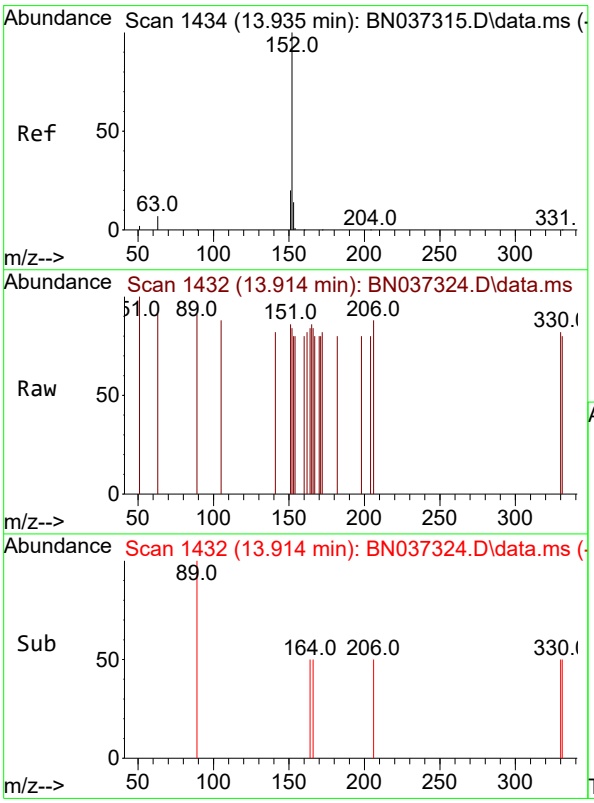
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.858 min Scan# 1
Delta R.T. 0.015 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:172 Resp: 1324

Ion	Ratio	Lower	Upper
172	100		
171	40.8	30.8	46.2
170	32.2	21.9	32.9

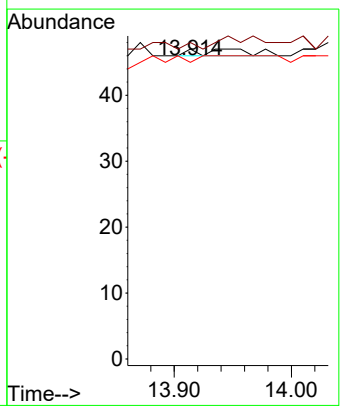


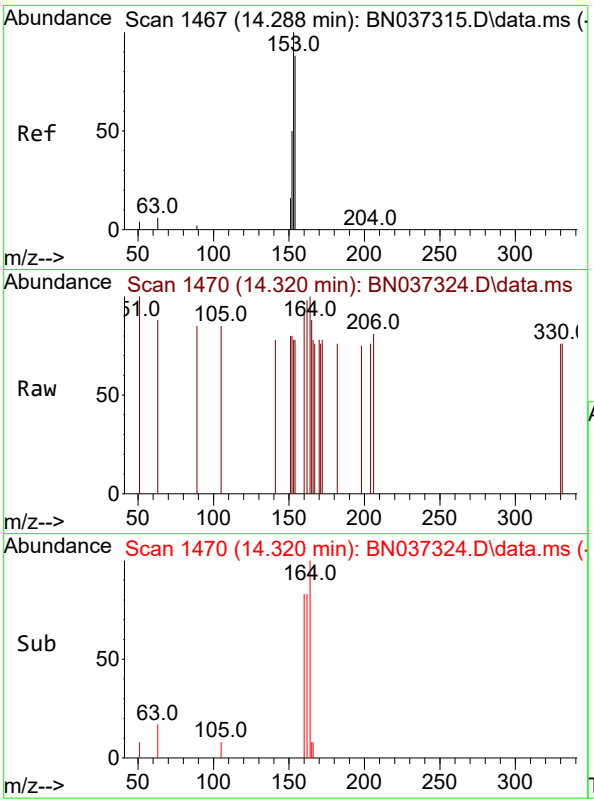


#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.914 min Scan# 1432
Delta R.T. -0.021 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:152 Resp: 3

Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.6	24.8#
153	166.7	10.2	15.2#



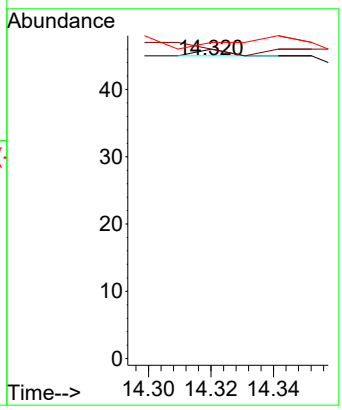


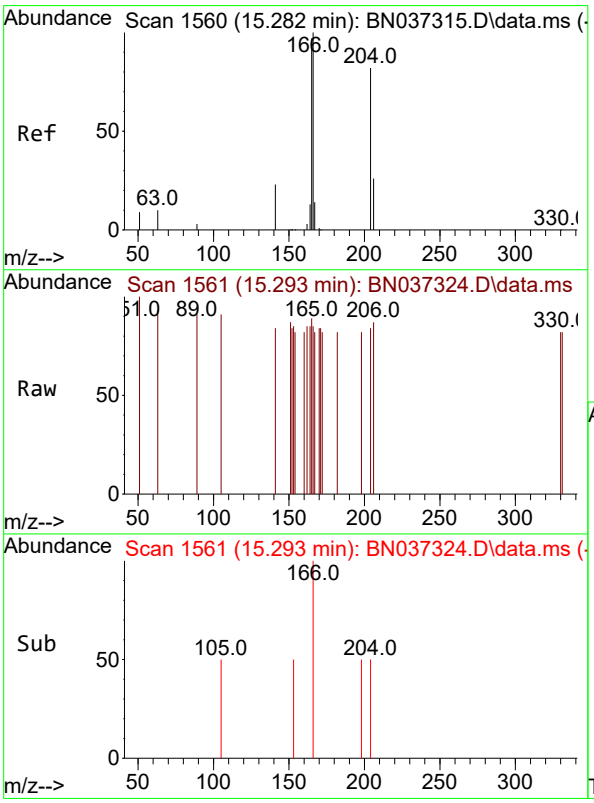
#17
Acenaphthene
Concen: 0.000 ng
RT: 14.320 min Scan# 14
Delta R.T. 0.032 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:154 Resp: 1

Ion	Ratio	Lower	Upper
154	100		
153	0.0	93.1	139.7#
152	0.0	48.6	73.0#

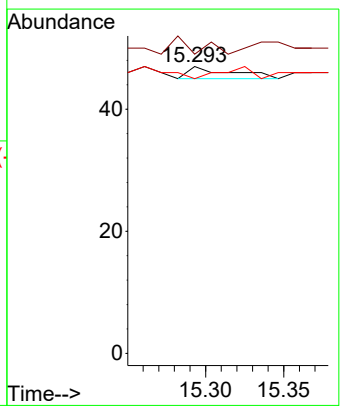


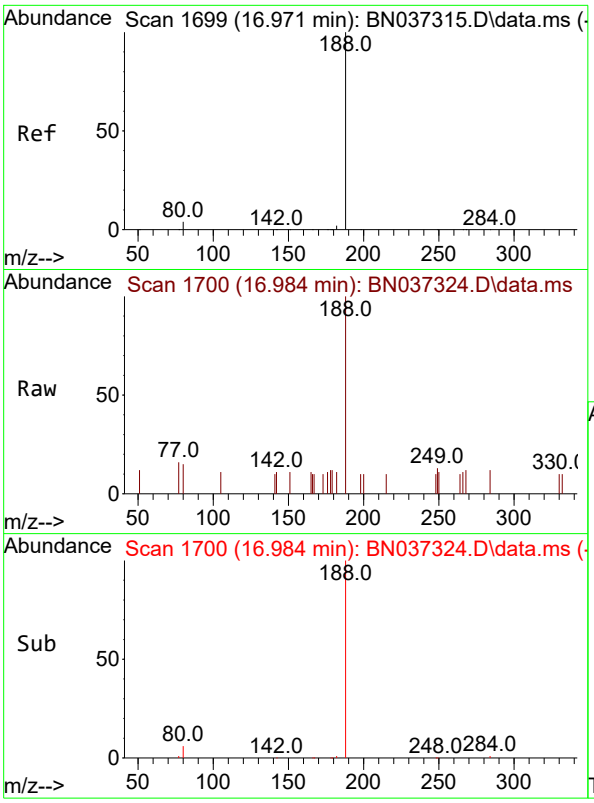


#18
Fluorene
Concen: 0.001 ng
RT: 15.293 min Scan# 1561
Delta R.T. 0.011 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:166 Resp: 4

Ion	Ratio	Lower	Upper
166	100		
165	75.0	79.5	119.3#
167	0.0	10.7	16.1#



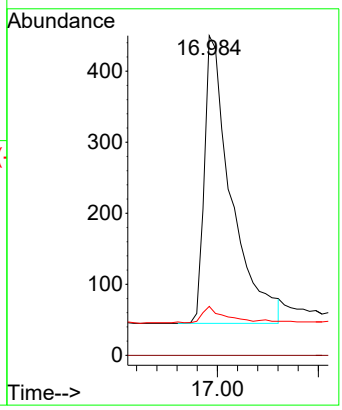


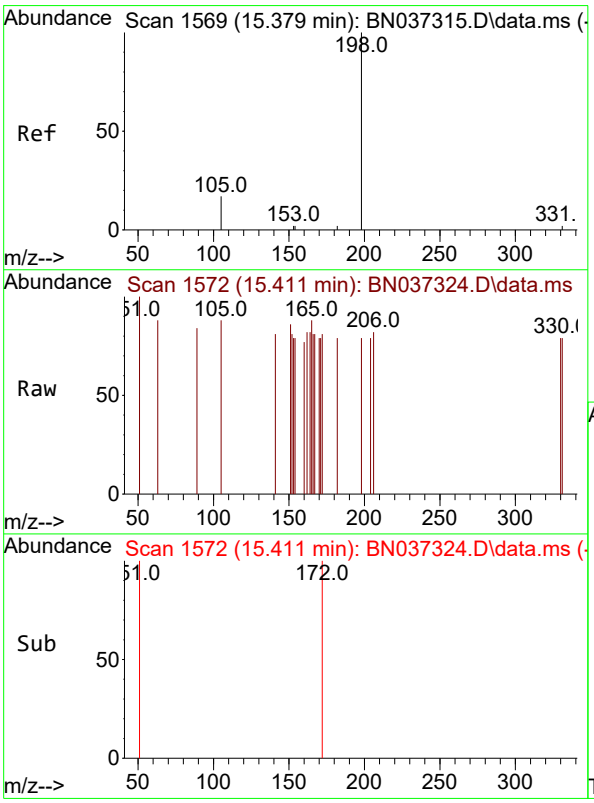
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:188 Resp: 1490

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.3	6.2	9.2#

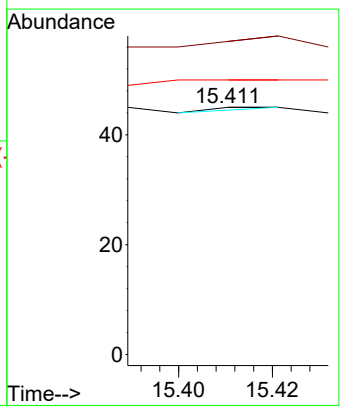


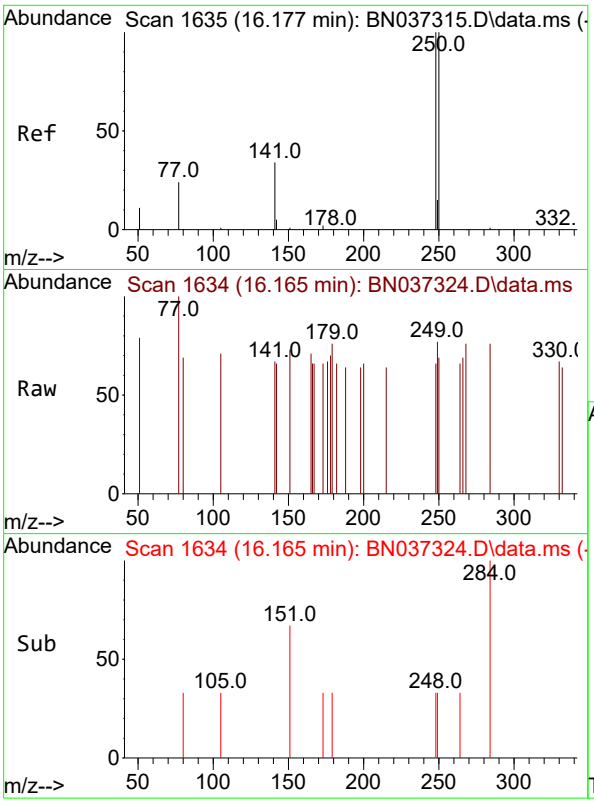


#20
4,6-Dinitro-2-methylphenol
Concen: 0.002 ng
RT: 15.411 min Scan# 1572
Delta R.T. 0.032 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:198 Resp: 1

Ion	Ratio	Lower	Upper
198	100		
51	126.7	51.4	77.0#
105	111.1	45.5	68.3#



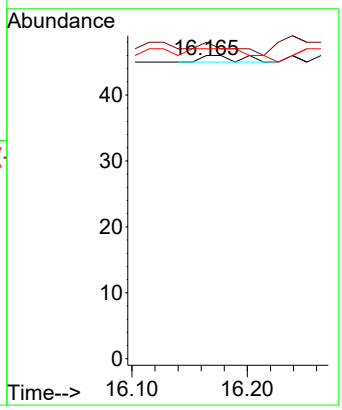


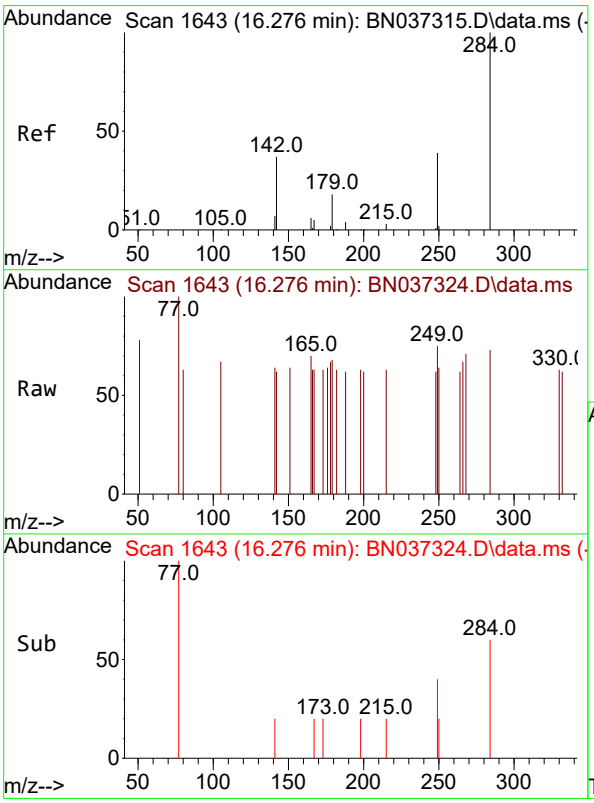
#21
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.165 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:248 Resp: 2

Ion	Ratio	Lower	Upper
248	100		
250	104.3	80.4	120.6
141	102.2	33.3	49.9#

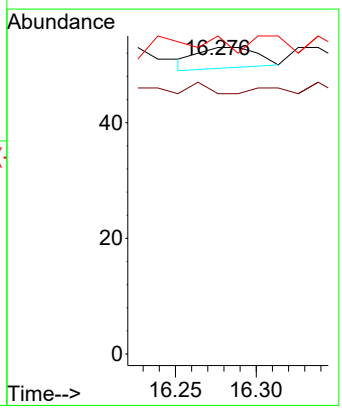


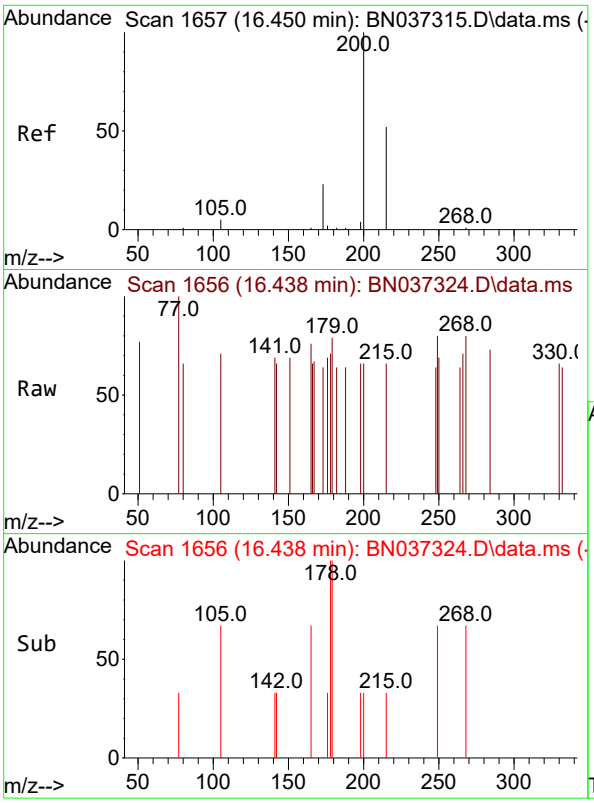


#22
Hexachlorobenzene
Concen: 0.007 ng
RT: 16.276 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:284 Resp: 9

Ion	Ratio	Lower	Upper
284	100		
142	0.0	27.0	40.6#
249	0.0	28.8	43.2#



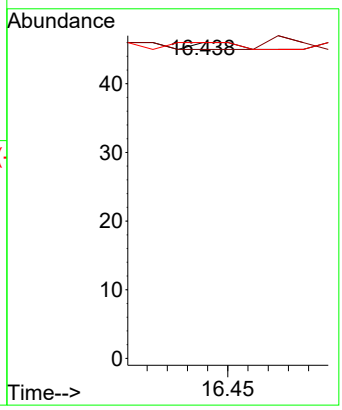


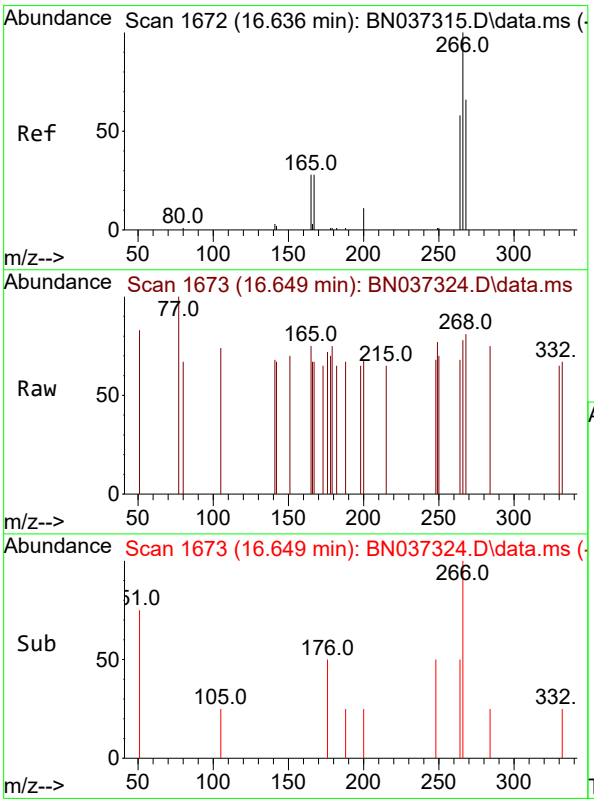
#23
Atrazine
Concen: 0.001 ng
RT: 16.438 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:200 Resp: 1

Ion	Ratio	Lower	Upper
200	100		
173	97.8	29.2	43.8#
215	100.0	48.8	73.2#

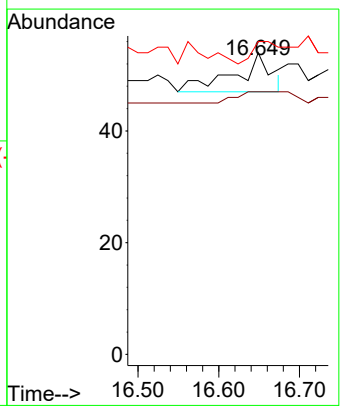


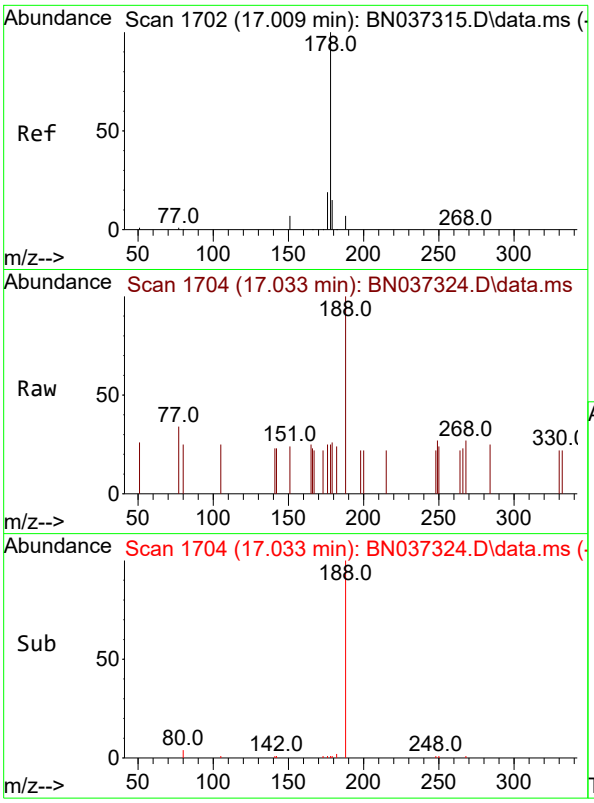


#24
Pentachlorophenol
Concen: 0.031 ng
RT: 16.649 min Scan# 1673
Delta R.T. 0.012 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:266 Resp: 22

Ion	Ratio	Lower	Upper
266	100		
264	45.5	50.3	75.5#
268	40.9	55.3	82.9#



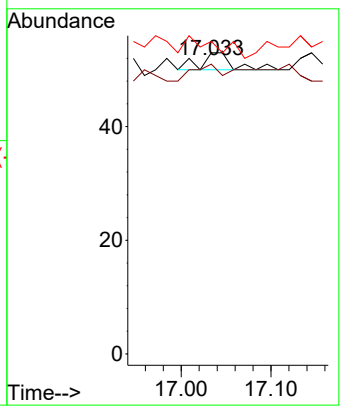


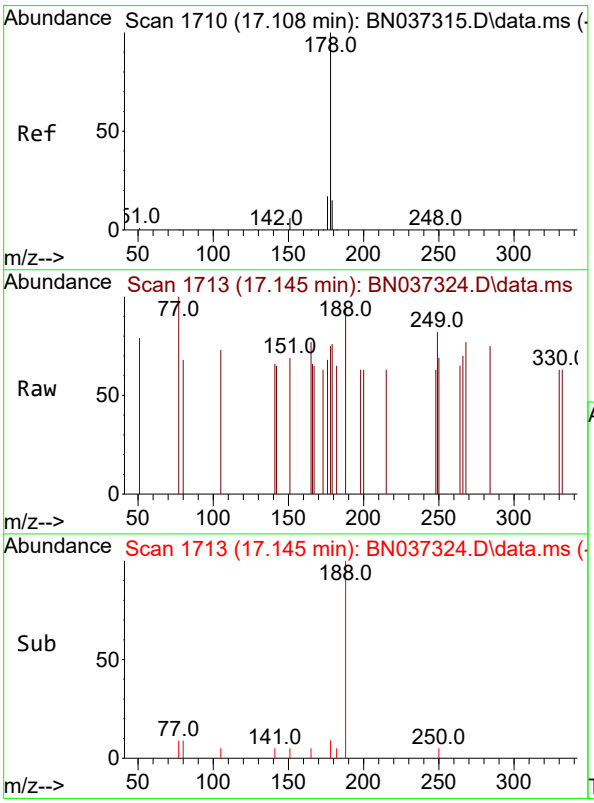
#25
Phenanthrene
Concen: 0.002 ng
RT: 17.033 min Scan# 1
Delta R.T. 0.025 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:178 Resp: 7

Ion	Ratio	Lower	Upper
178	100		
176	85.7	15.2	22.8#
179	0.0	12.9	19.3#

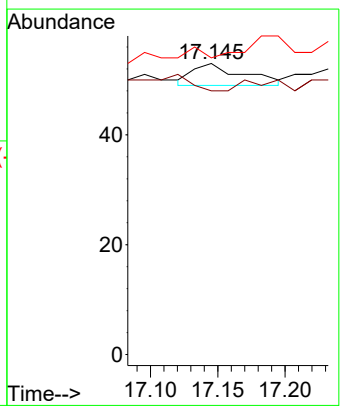


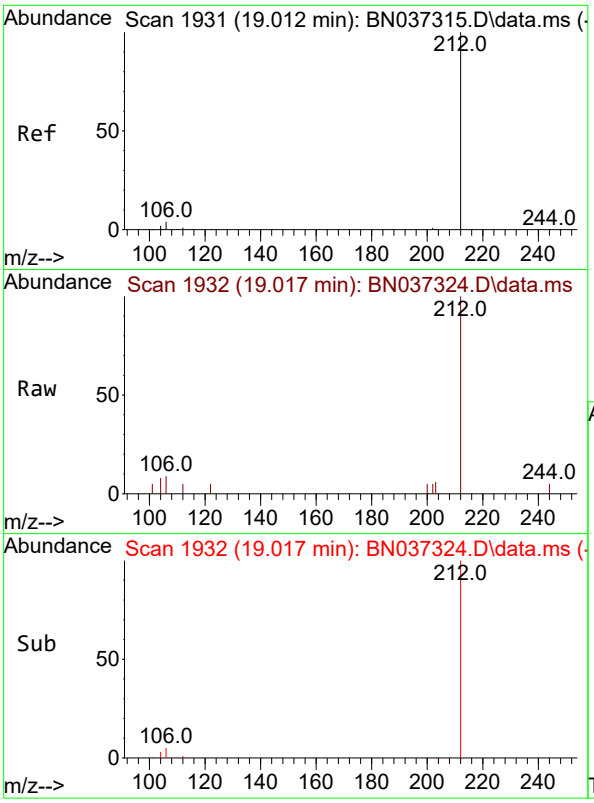


#26
Anthracene
Concen: 0.003 ng
RT: 17.145 min Scan# 1713
Delta R.T. 0.037 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:178 Resp: 10

Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.7	22.1#
179	100.0	13.0	19.6#



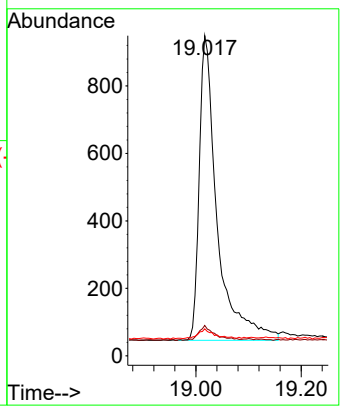


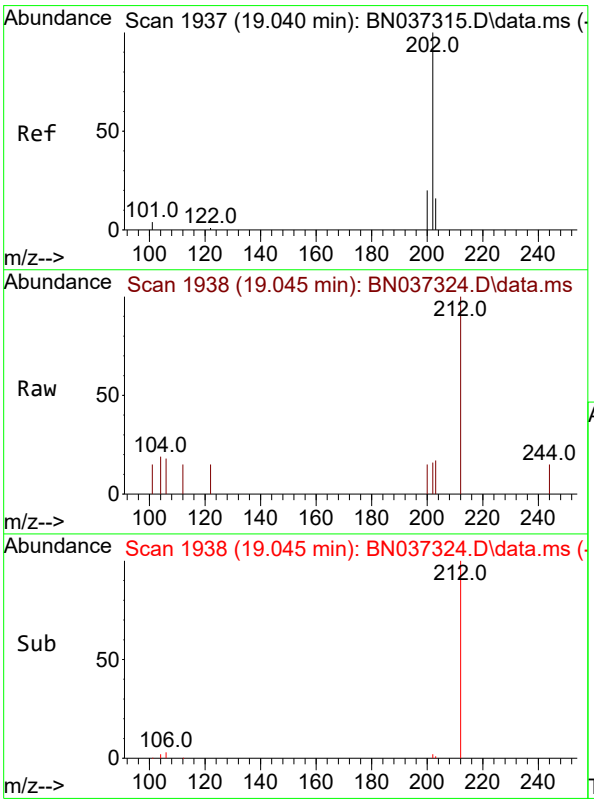
#27
Fluoranthene-d10
Concen: 0.452 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:212 Resp: 2136

Ion	Ratio	Lower	Upper
212	100		
106	4.3	3.0	4.4
104	2.8	2.0	3.0

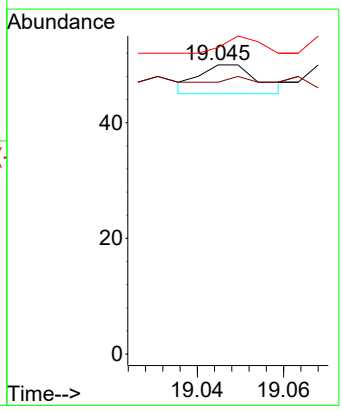


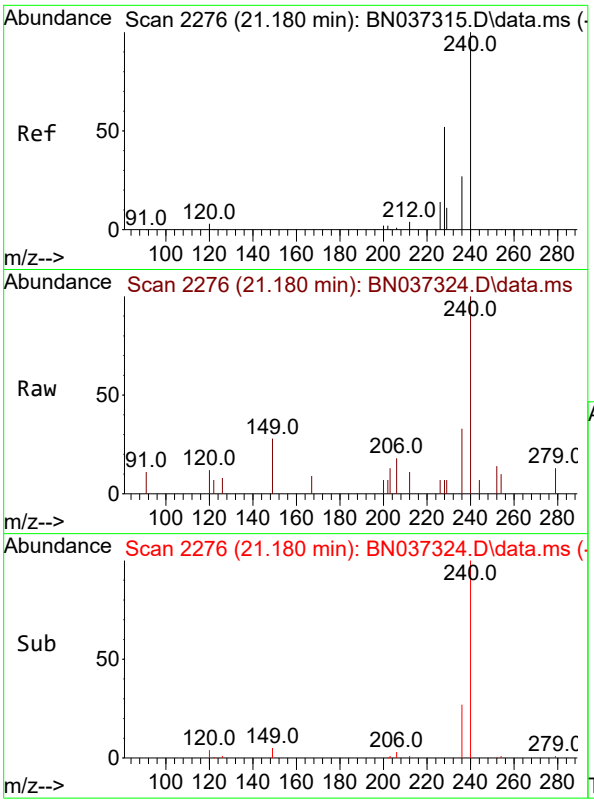


#28
Fluoranthene
Concen: 0.001 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.005 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:202 Resp: 5

Ion	Ratio	Lower	Upper
202	100		
101	0.0	3.0	4.6#
203	40.0	13.7	20.5#



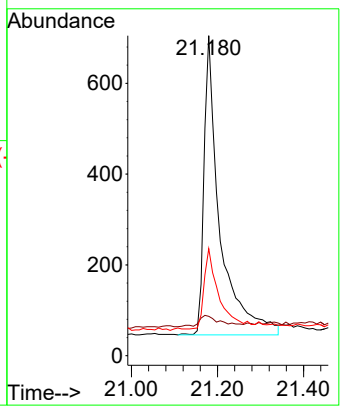


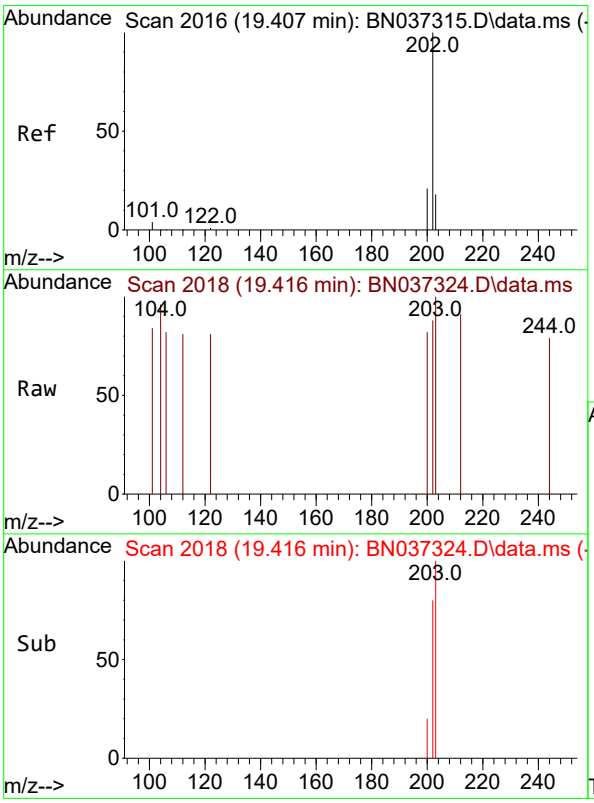
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:240 Resp: 1687

Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.5	11.3#
236	33.5	24.9	37.3

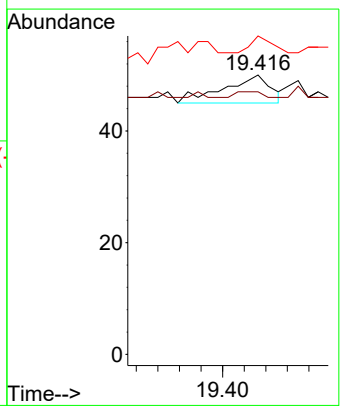


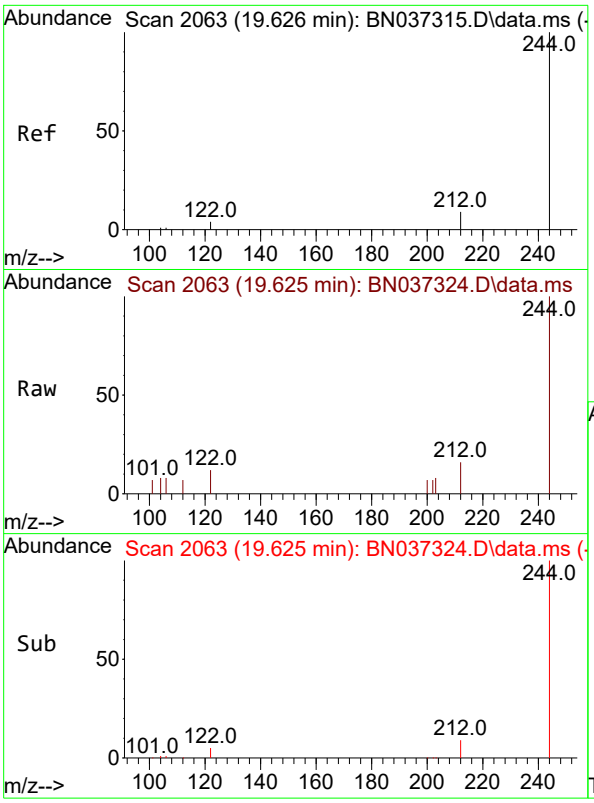


#30
Pyrene
Concen: 0.001 ng
RT: 19.416 min Scan# 2018
Delta R.T. 0.009 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:202 Resp: 8

Ion	Ratio	Lower	Upper
202	100		
200	25.0	16.8	25.2
203	37.5	14.5	21.7#



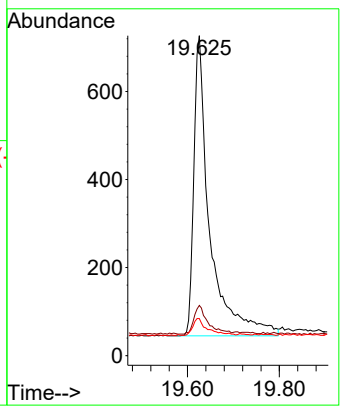


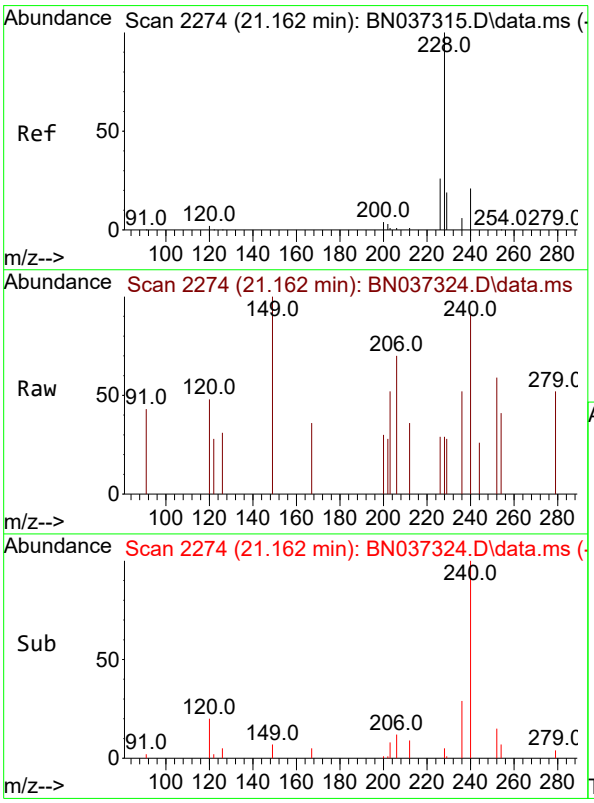
#31
Terphenyl-d14
Concen: 0.423 ng
RT: 19.625 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:244 Resp: 1639

Ion	Ratio	Lower	Upper
244	100		
212	15.7	11.1	16.7
122	11.6	7.2	10.8#

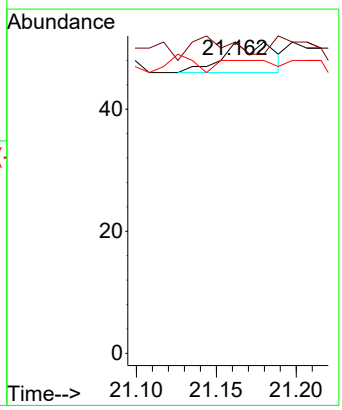


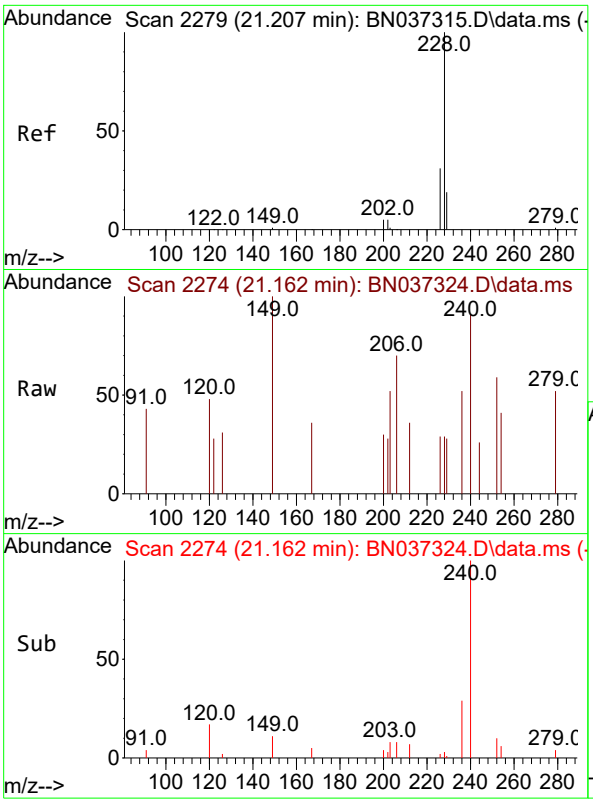


#32
Benzo(a)anthracene
Concen: 0.002 ng
RT: 21.162 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:228 Resp: 11

Ion	Ratio	Lower	Upper
228	100		
226	100.0	23.0	34.4#
229	94.1	17.4	26.0#



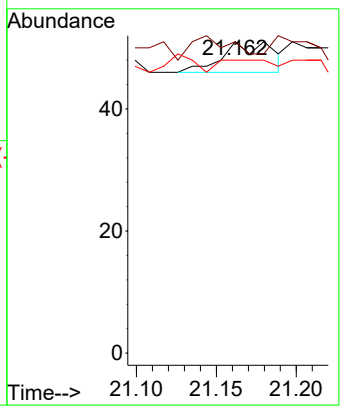


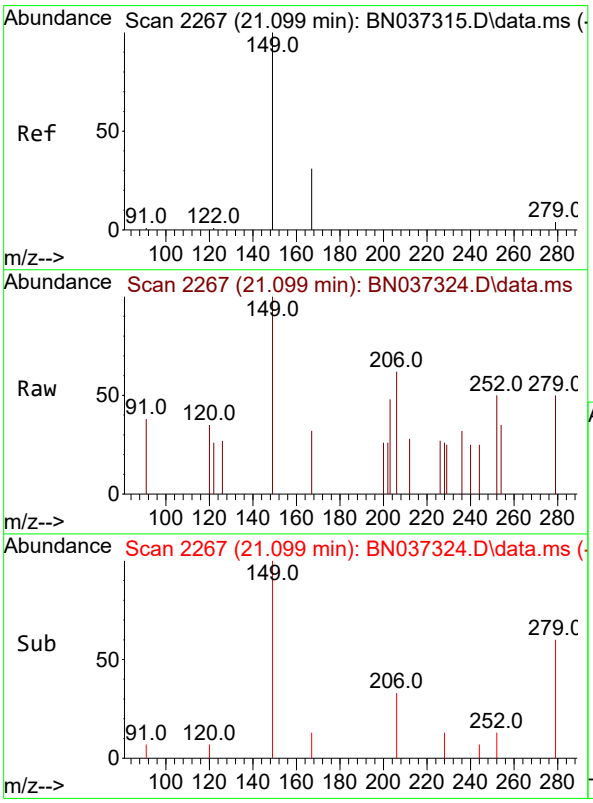
#33
Chrysene
Concen: 0.002 ng
RT: 21.162 min Scan# 2
Delta R.T. -0.045 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:228 Resp: 11

Ion	Ratio	Lower	Upper
228	100		
226	100.0	25.4	38.2#
229	94.1	17.3	25.9#

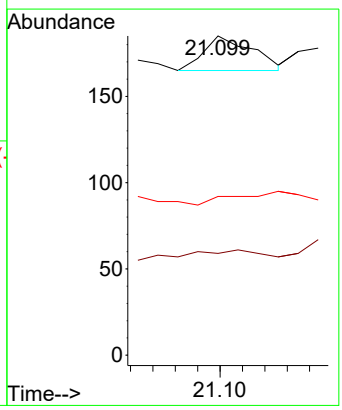


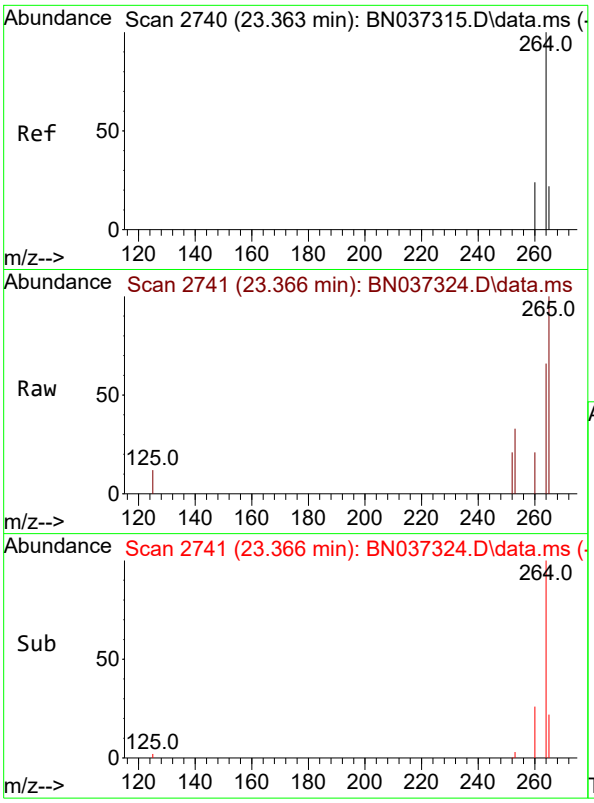


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.013 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:149 Resp: 30

Ion	Ratio	Lower	Upper
149	100		
167	46.7	24.6	37.0#
279	0.0	6.5	9.7#



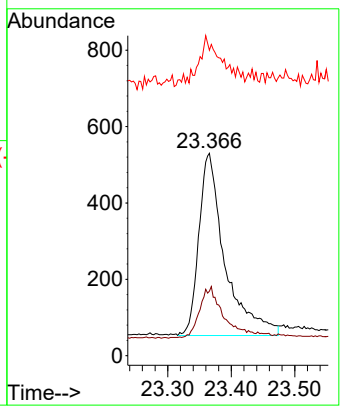


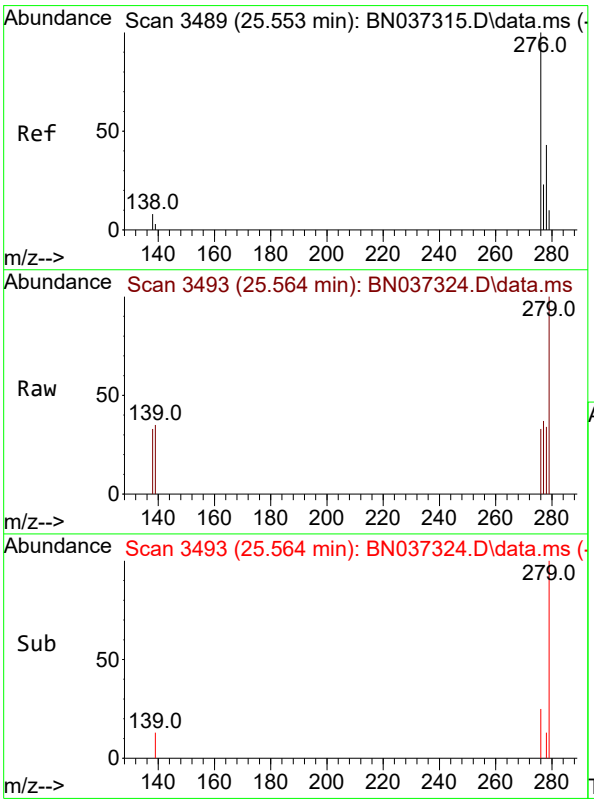
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:264 Resp: 1359

Ion	Ratio	Lower	Upper
264	100		
260	31.9	21.4	32.2
265	150.9	71.4	107.0#

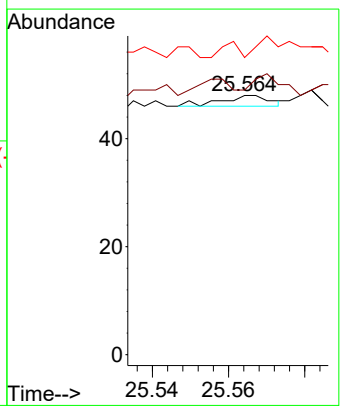


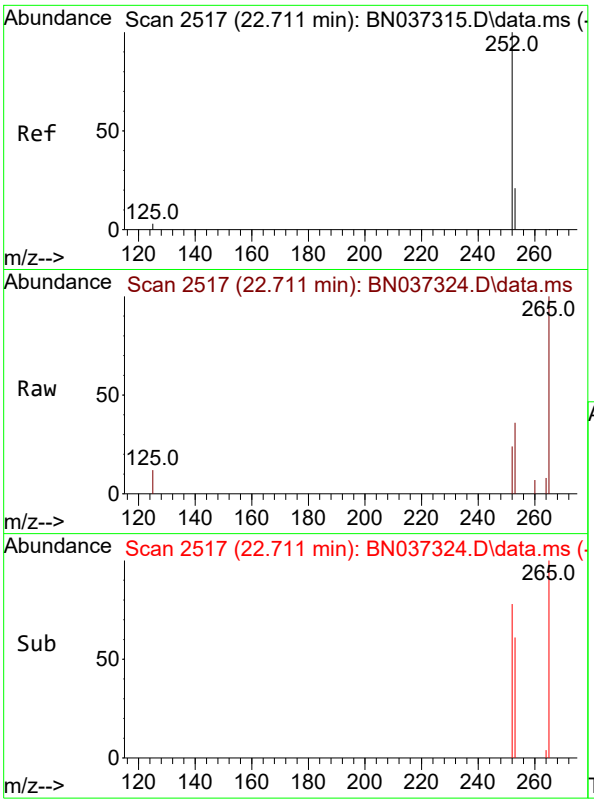


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 25.564 min Scan# 3493
Delta R.T. 0.012 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:276 Resp: 2

Ion	Ratio	Lower	Upper
276	100		
138	100.0	2.2	3.2#
277	50.0	17.1	25.7#



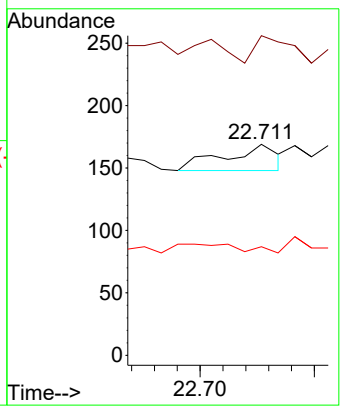


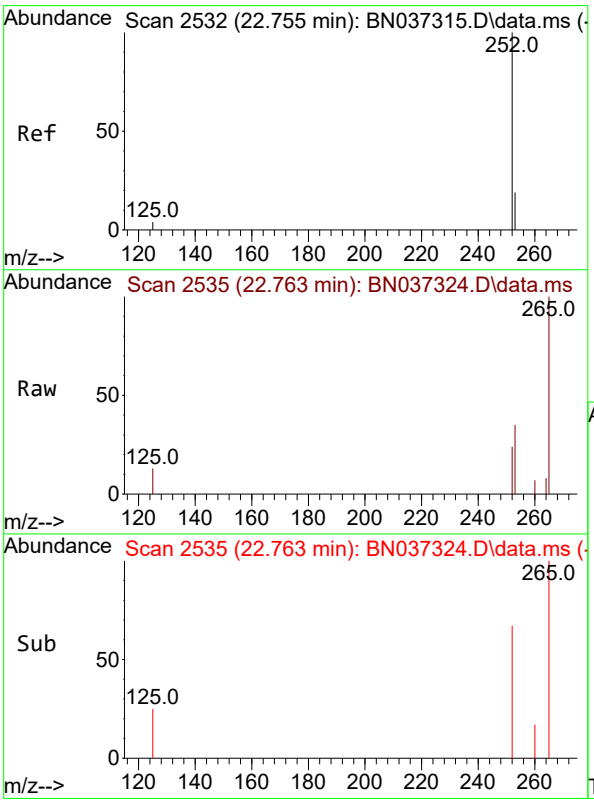
#37
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:252 Resp: 14

Ion	Ratio	Lower	Upper
252	100		
253	151.5	26.6	40.0#
125	51.5	6.1	9.1#

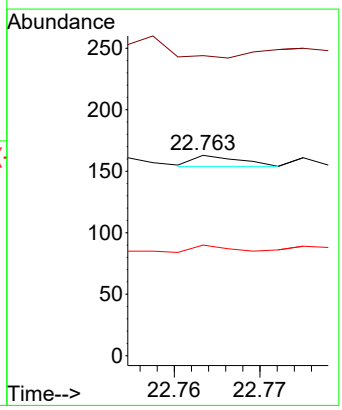


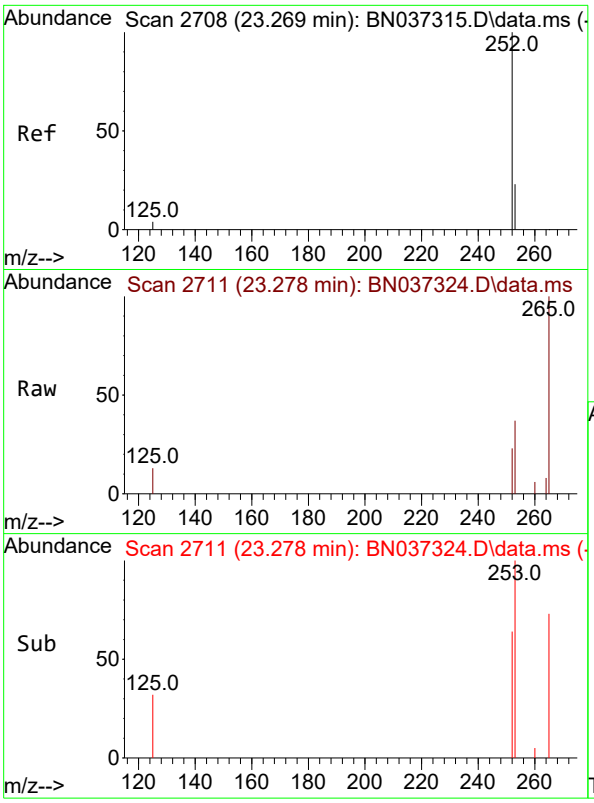


#38
Benzo(k)fluoranthene
Concen: 0.001 ng
RT: 22.763 min Scan# 2535
Delta R.T. 0.009 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:252 Resp: 3

Ion	Ratio	Lower	Upper
252	100		
253	149.7	26.7	40.1#
125	55.2	6.5	9.7#



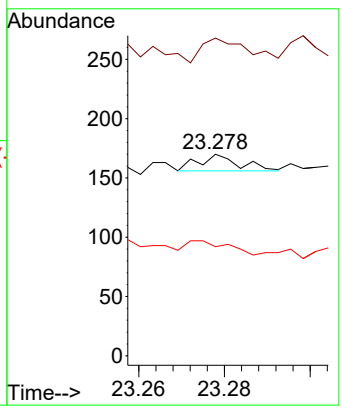


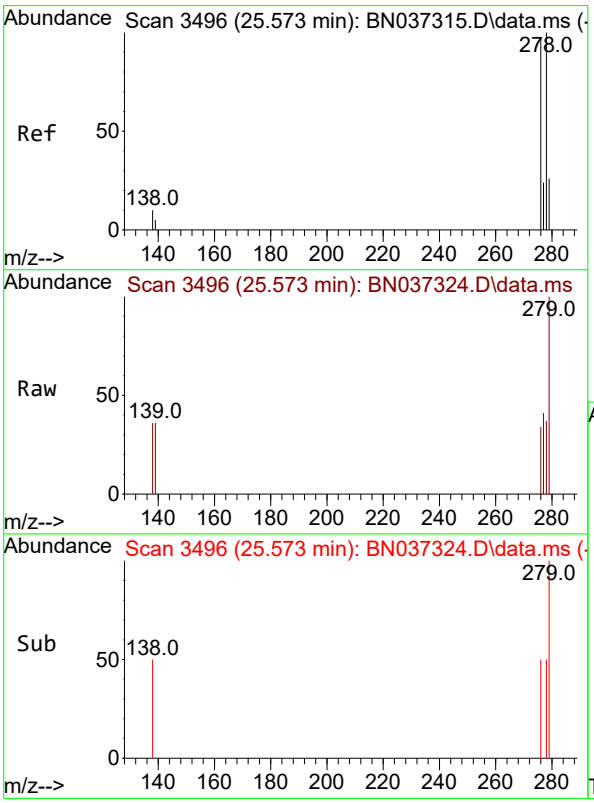
#39
Benzo(a)pyrene
Concen: 0.002 ng
RT: 23.278 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:252 Resp: 9

Ion	Ratio	Lower	Upper
252	100		
253	157.6	31.6	47.4#
125	54.1	8.4	12.6#

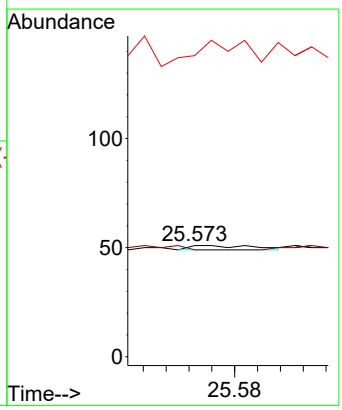


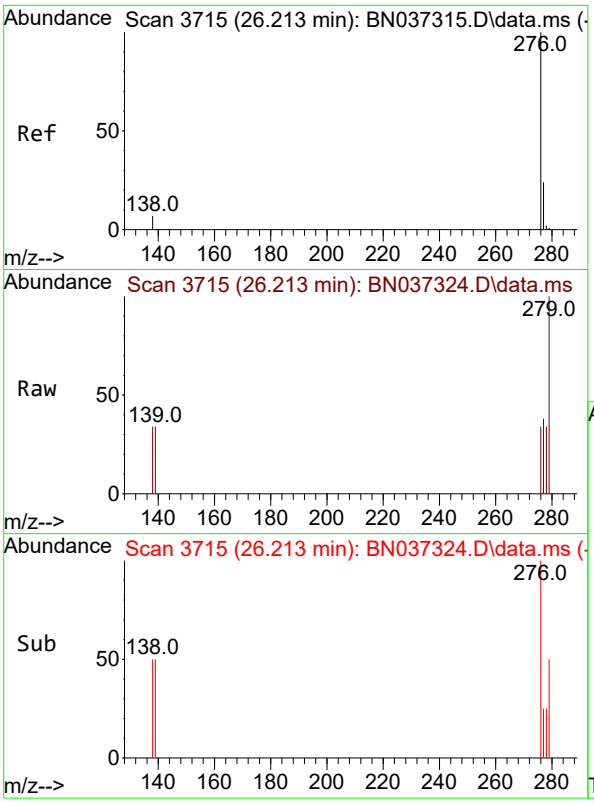


#40
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 25.573 min Scan# 3496
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Tgt Ion:278 Resp: 2

Ion	Ratio	Lower	Upper
278	100		
139	96.1	10.2	15.4#
279	270.6	35.6	53.4#





#41
Benzo(g,h,i)perylene
Concen: 0.000 ng
RT: 26.213 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037324.D
Acq: 18 Jun 2025 22:02

Instrument :
BNA_N
ClientSampleId :
PB168508BL

Tgt Ion:276 Resp: 2

Ion	Ratio	Lower	Upper
276	100		
277	114.0	22.7	34.1#
138	102.0	9.4	14.2#