Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061625\
Data File : BN037284.D
Acq On : 16 Jun 2025 10:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 16 11:17:51 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

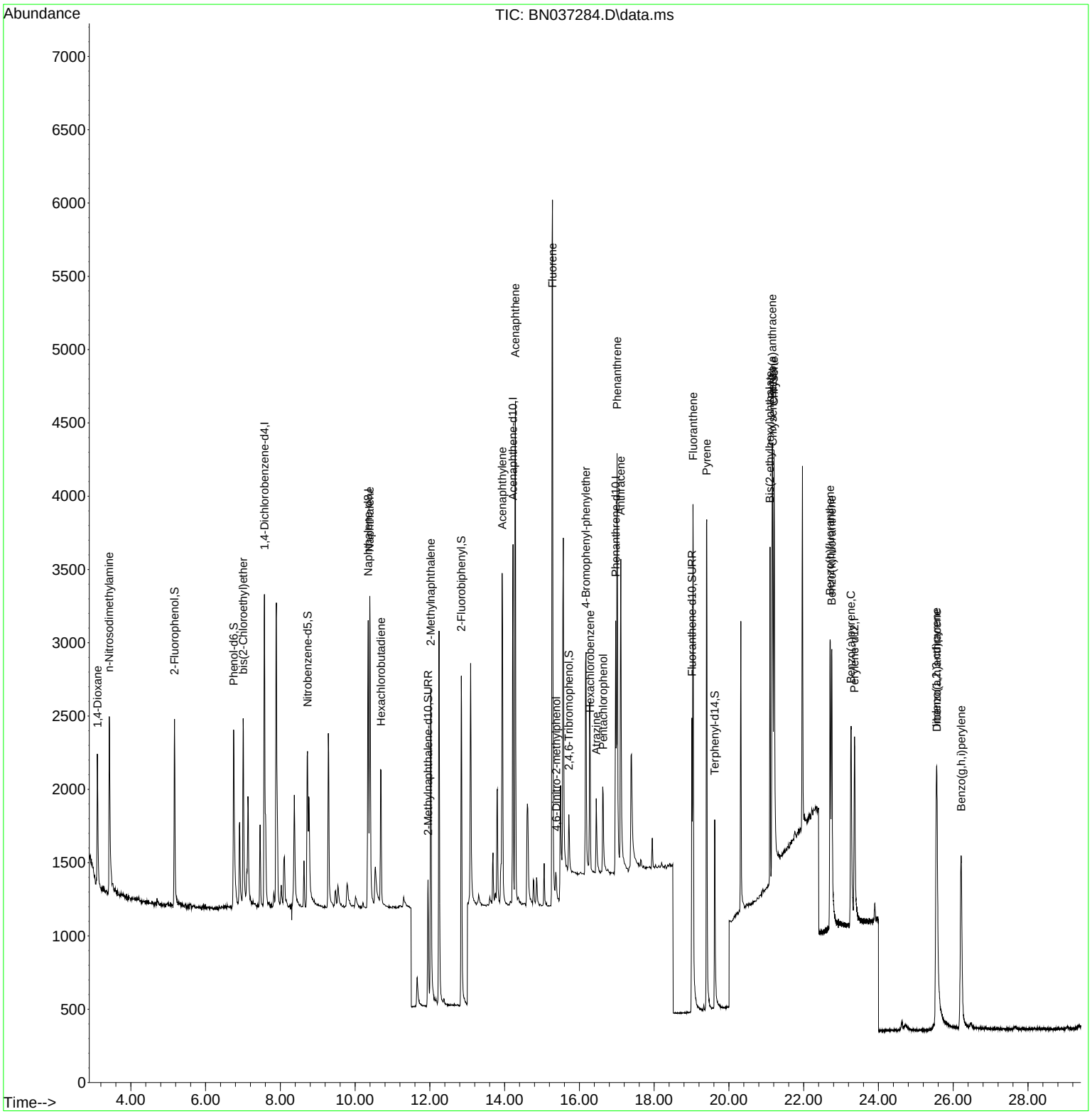
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1056	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	2600	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	1364	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	2522	0.400	ng		# 0.00
29) Chrysene-d12	21.171	240	1830	0.400	ng		# 0.00
35) Perylene-d12	23.360	264	1806	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	969	0.374	ng		0.00
5) Phenol-d6	6.752	99	1079	0.395	ng		0.00
8) Nitrobenzene-d5	8.728	82	1102	0.429	ng		0.00
11) 2-Methylnaphthalene-d10	11.950	152	1456	0.417	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	243	0.429	ng		-0.01
15) 2-Fluorobiphenyl	12.843	172	2388	0.417	ng		0.00
27) Fluoranthene-d10	19.012	212	2655	0.402	ng		0.00
31) Terphenyl-d14	19.621	244	1731	0.418	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.112	88	560	0.387	ng		90
3) n-Nitrosodimethylamine	3.422	42	1389	0.421	ng	#	93
6) bis(2-Chloroethyl)ether	7.005	93	1037	0.424	ng		92
9) Naphthalene	10.394	128	2984	0.396	ng		99
10) Hexachlorobutadiene	10.693	225	747	0.408	ng	#	94
12) 2-Methylnaphthalene	12.026	142	1824	0.398	ng		99
16) Acenaphthylene	13.935	152	2640	0.395	ng		100
17) Acenaphthene	14.288	154	1681	0.390	ng		99
18) Fluorene	15.282	166	2137	0.386	ng		97
20) 4,6-Dinitro-2-methylph...	15.379	198	220	0.449	ng		88
21) 4-Bromophenyl-phenylether	16.177	248	666	0.405	ng	#	84
22) Hexachlorobenzene	16.289	284	769	0.404	ng		97
23) Atrazine	16.450	200	556	0.379	ng		95
24) Pentachlorophenol	16.636	266	387	0.415	ng		95
25) Phenanthrene	17.009	178	3070	0.384	ng		99
26) Anthracene	17.108	178	2780	0.380	ng		99
28) Fluoranthene	19.040	202	3477	0.371	ng		99
30) Pyrene	19.407	202	3532	0.411	ng		100
32) Benzo(a)anthracene	21.162	228	2471	0.400	ng		99
33) Chrysene	21.207	228	3003	0.390	ng		99
34) Bis(2-ethylhexyl)phtha...	21.099	149	2037	0.443	ng		98
36) Indeno(1,2,3-cd)pyrene	25.553	276	2942	0.404	ng		96
37) Benzo(b)fluoranthene	22.708	252	2557	0.387	ng		99
38) Benzo(k)fluoranthene	22.752	252	2890	0.379	ng		98
39) Benzo(a)pyrene	23.263	252	2325	0.391	ng	#	94
40) Dibenzo(a,h)anthracene	25.564	278	2093	0.378	ng		97
41) Benzo(g,h,i)perylene	26.213	276	2630	0.389	ng		98

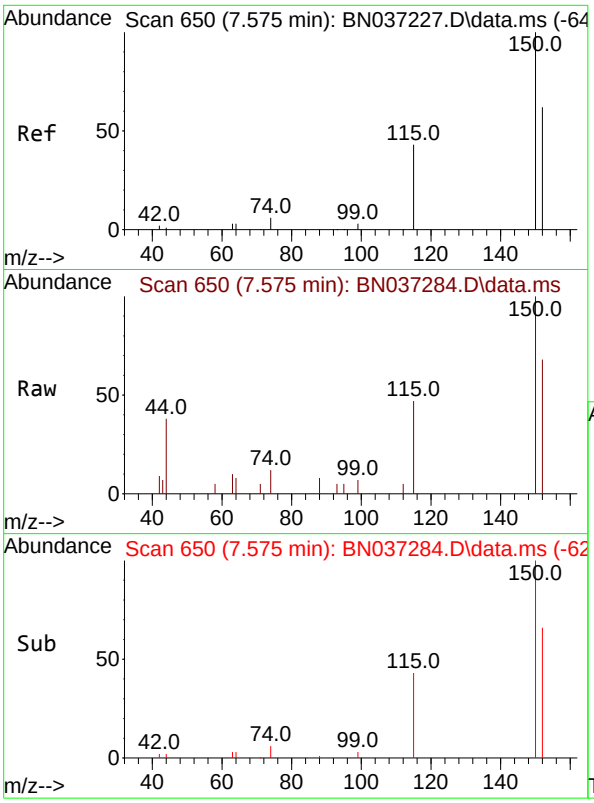
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061625\
Data File : BN037284.D
Acq On : 16 Jun 2025 10:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 16 11:17:51 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



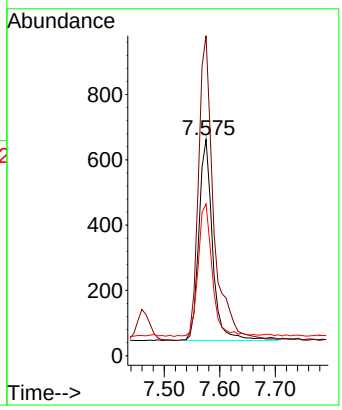


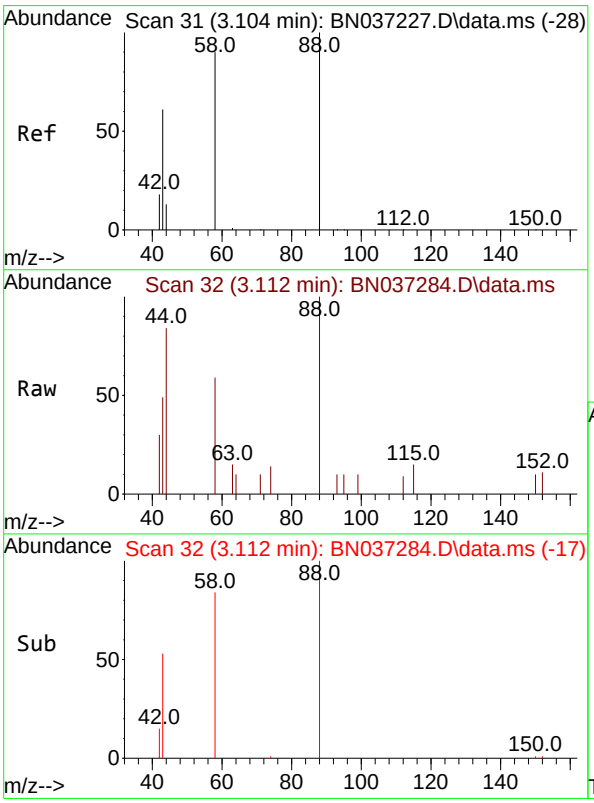
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1056

Ion	Ratio	Lower	Upper
152	100		
150	148.0	125.2	187.8
115	70.2	58.4	87.6

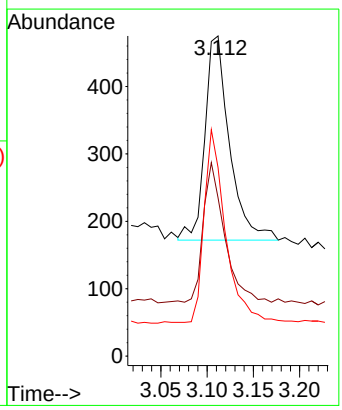


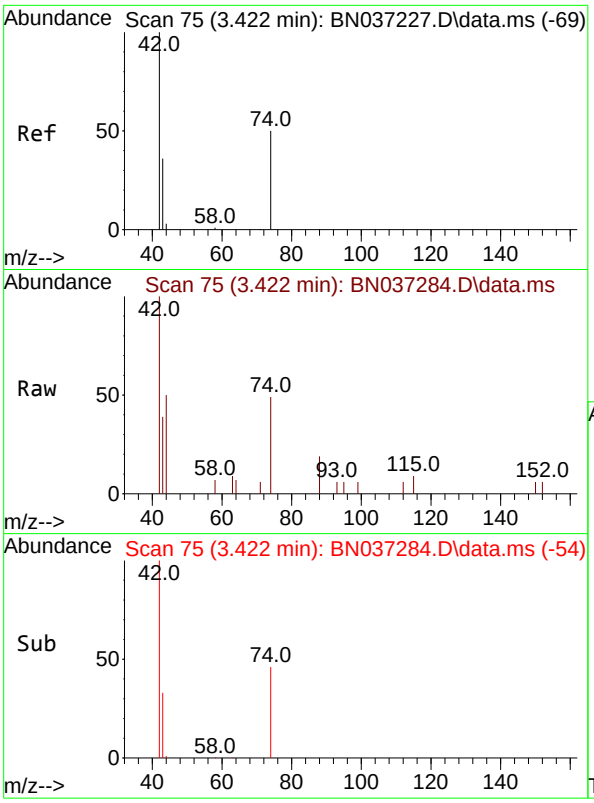


#2
1,4-Dioxane
Concen: 0.387 ng
RT: 3.112 min Scan# 32
Delta R.T. 0.007 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion: 88 Resp: 560

Ion	Ratio	Lower	Upper
88	100		
43	59.1	52.6	79.0
58	81.6	73.5	110.3



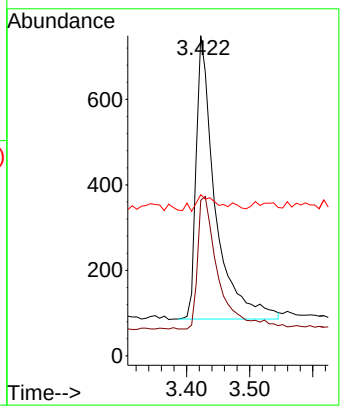


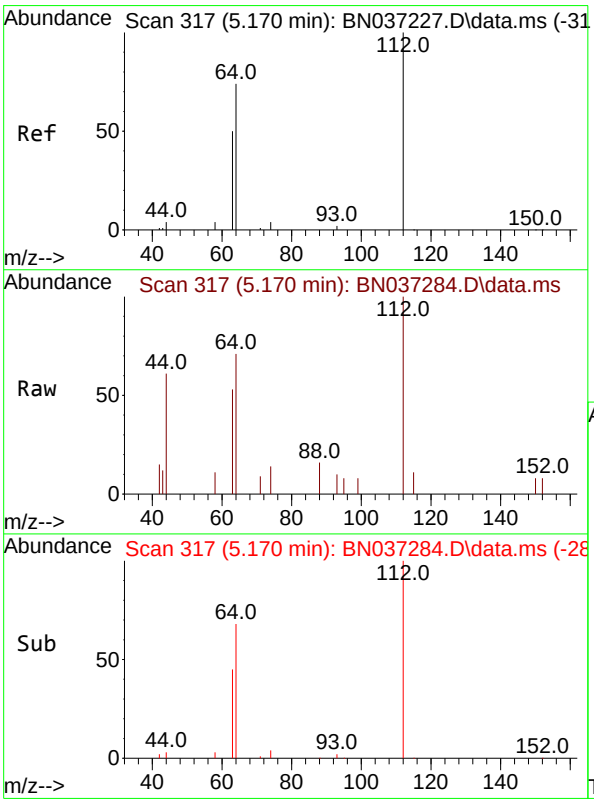
#3
n-Nitrosodimethylamine
Concen: 0.421 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1389

Ion	Ratio	Lower	Upper
42	100		
74	50.5	44.6	66.8
44	5.7	3.5	5.3#

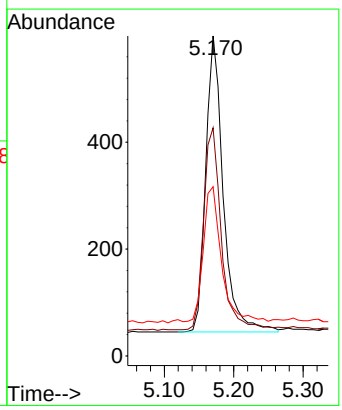


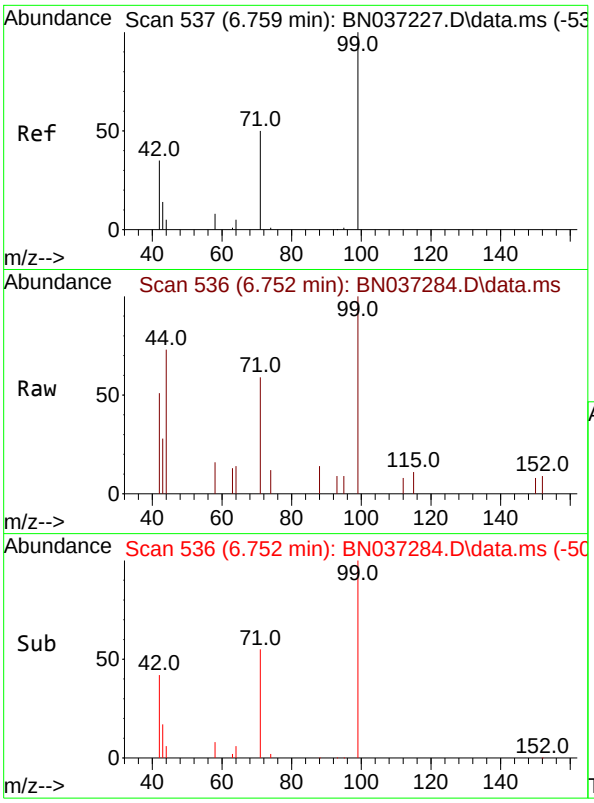


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:112 Resp: 969

Ion	Ratio	Lower	Upper
112	100		
64	69.3	57.2	85.8
63	47.0	39.8	59.6



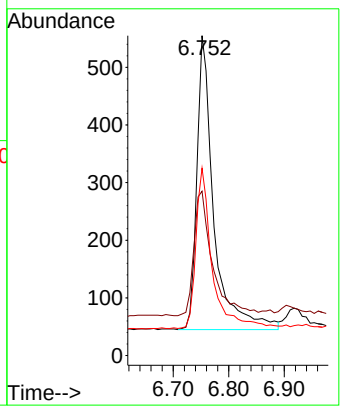


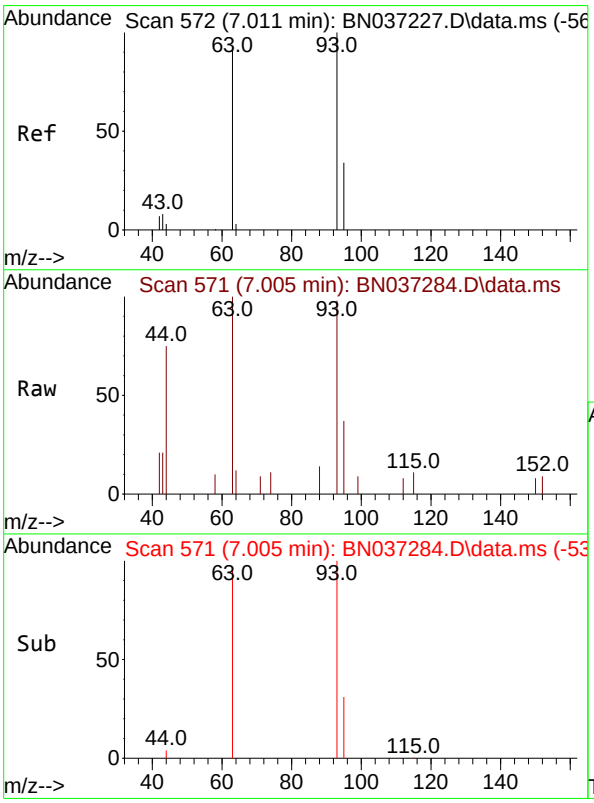
#5
Phenol-d6
Concen: 0.395 ng
RT: 6.752 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1079

Ion	Ratio	Lower	Upper
99	100		
42	46.8	36.2	54.4
71	52.6	42.4	63.6

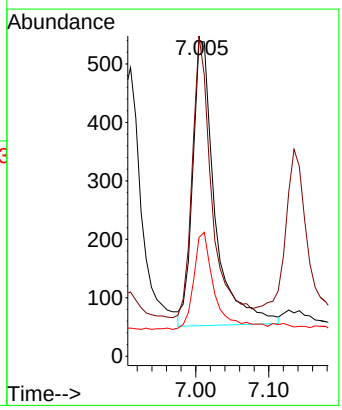


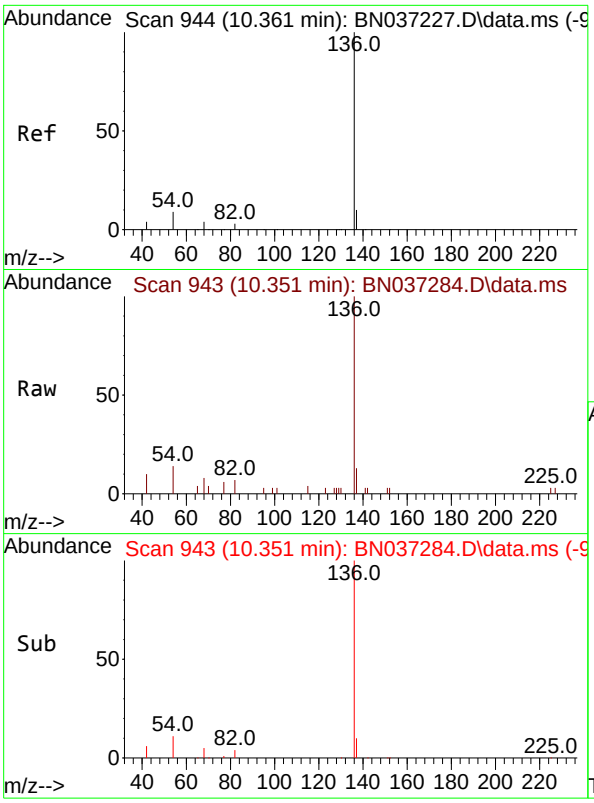


#6
bis(2-Chloroethyl)ether
Concen: 0.424 ng
RT: 7.005 min Scan# 571
Delta R.T. -0.007 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion: 93 Resp: 1037

Ion	Ratio	Lower	Upper
93	100		
63	85.1	75.2	112.8
95	31.8	28.3	42.5



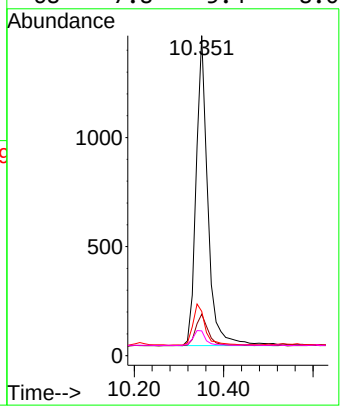


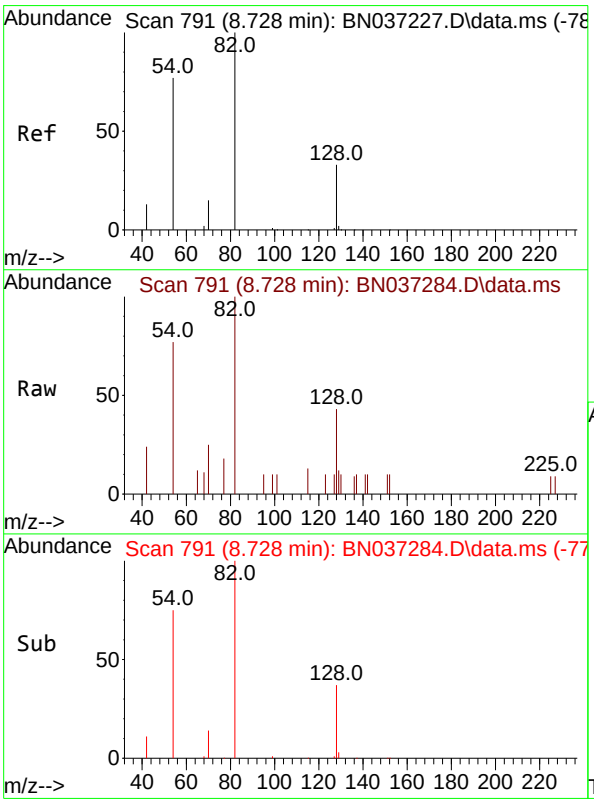
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 2600

Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.6	15.8
54	13.8	9.2	13.8#
68	7.8	5.4	8.0

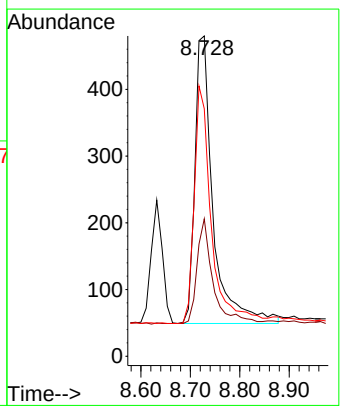


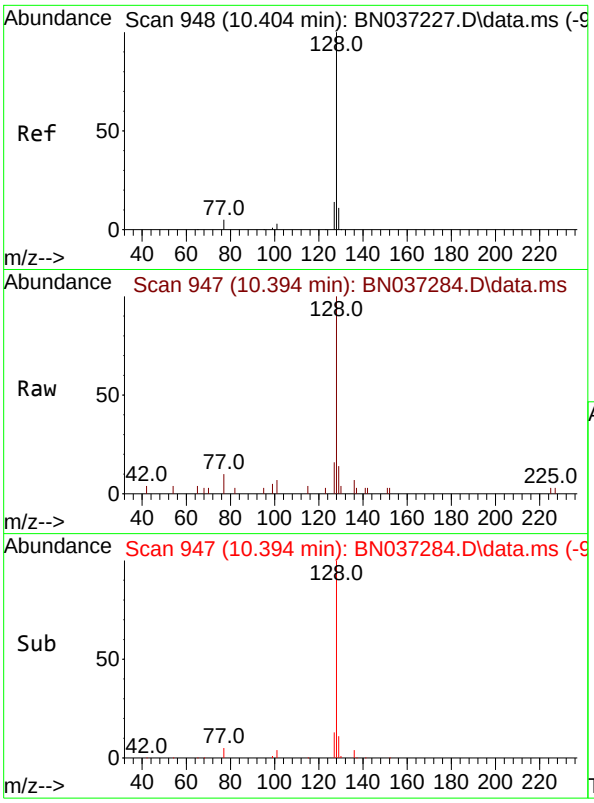


#8
Nitrobenzene-d5
Concen: 0.429 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion: 82 Resp: 1102

Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.2	46.8
54	77.3	63.3	94.9



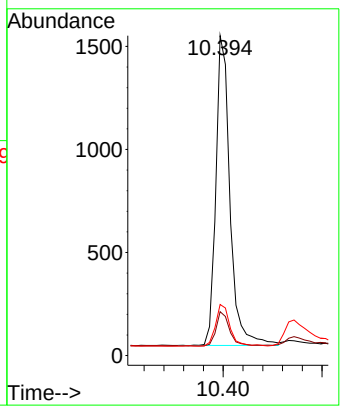


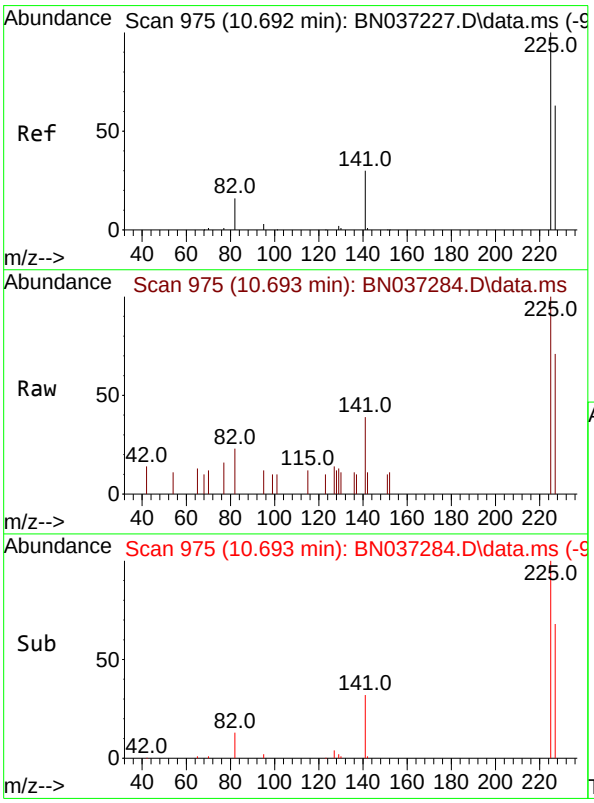
#9
Naphthalene
Concen: 0.396 ng
RT: 10.394 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 2984

Ion	Ratio	Lower	Upper
128	100		
129	13.7	10.7	16.1
127	16.0	12.6	19.0

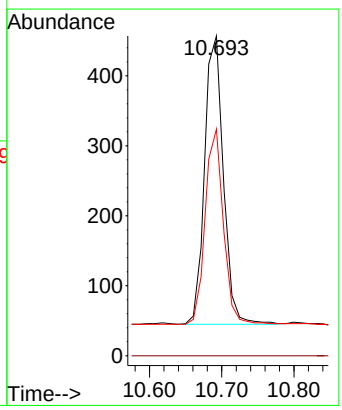


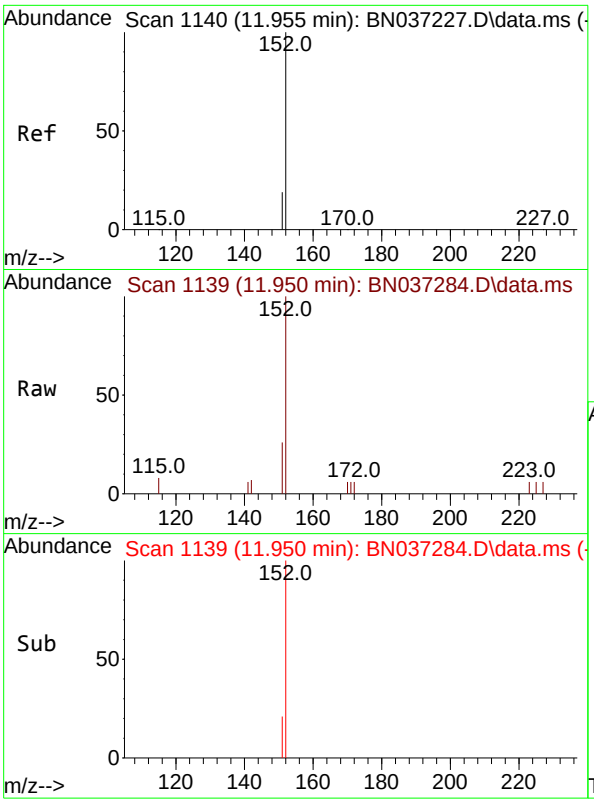


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:225 Resp: 747

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.7	49.2	73.8



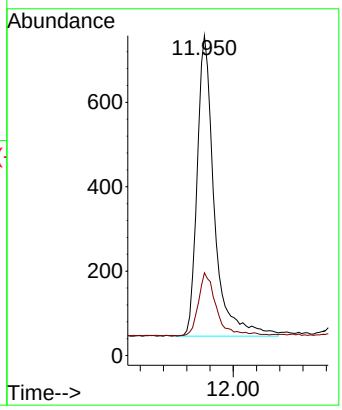


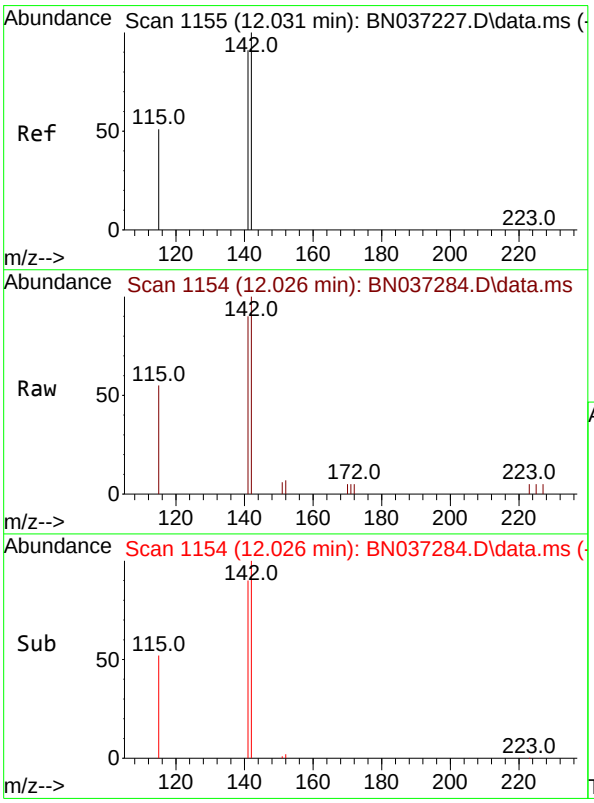
#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1456

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.9	26.9

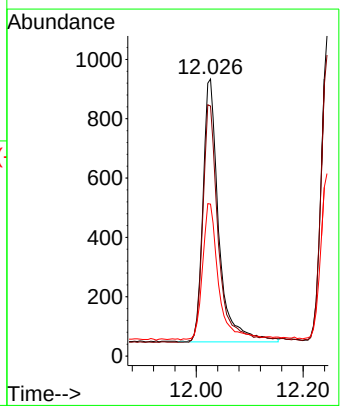


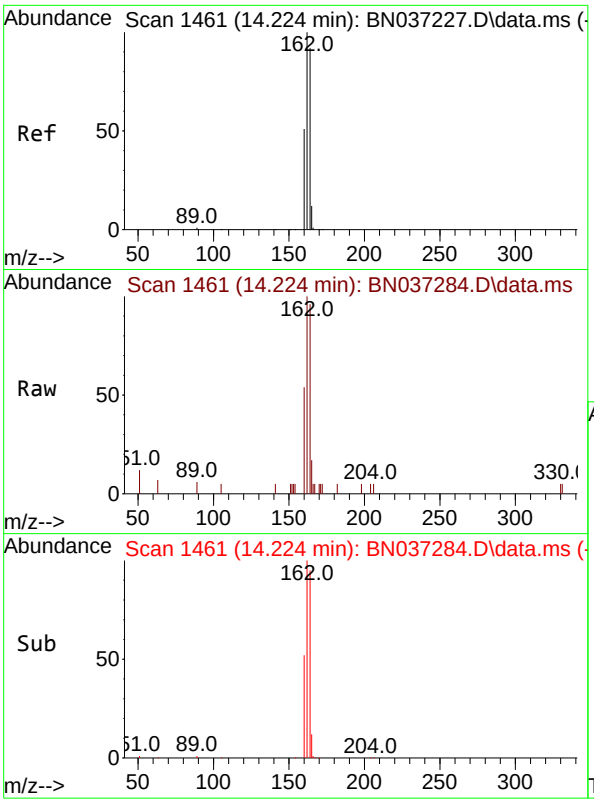


#12
2-Methylnaphthalene
Concen: 0.398 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:142 Resp: 1824

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.0	109.6
115	54.8	43.3	64.9



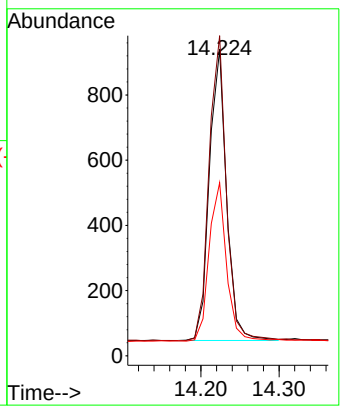


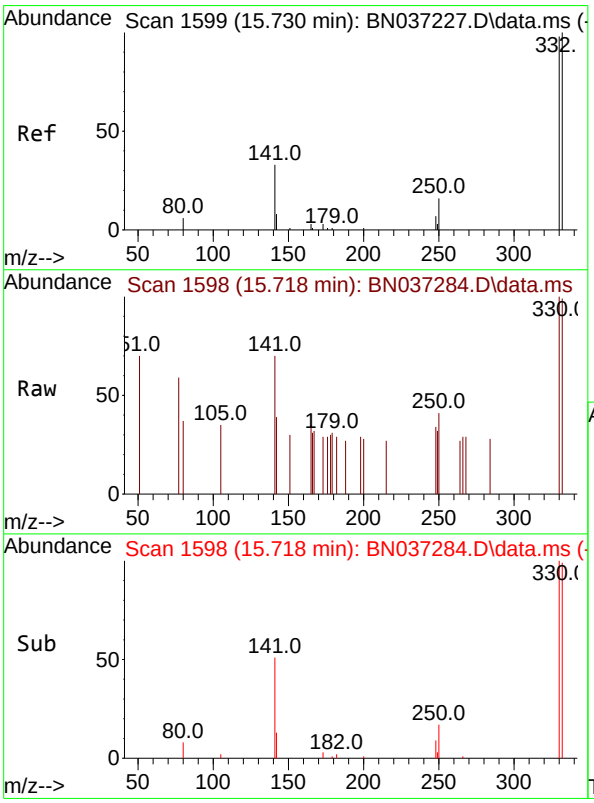
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1364

Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.7	130.1
160	56.5	45.8	68.6

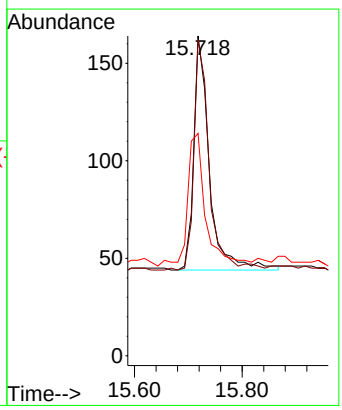


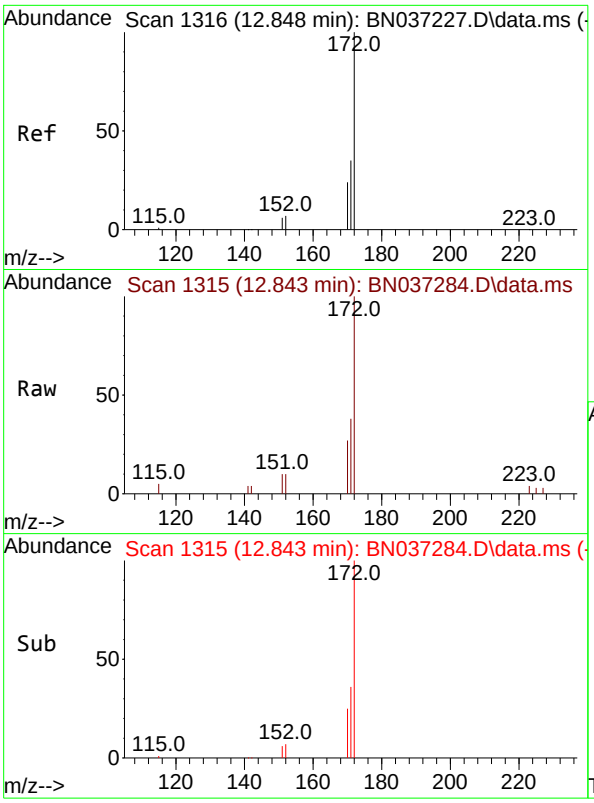


#14
2,4,6-Tribromophenol
Concen: 0.429 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:330 Resp: 243

Ion	Ratio	Lower	Upper
330	100		
332	95.5	74.9	112.3
141	65.4	45.1	67.7



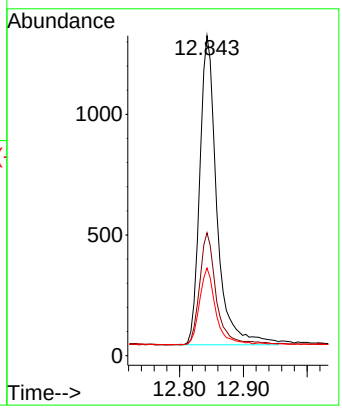


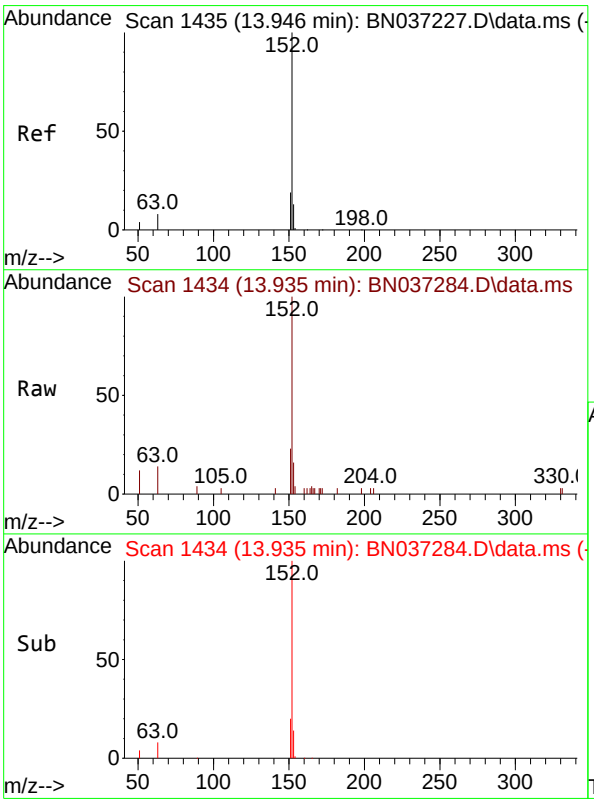
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.843 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2388

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.8	44.8
170	27.4	21.1	31.7

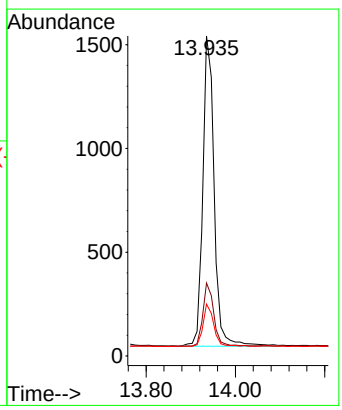


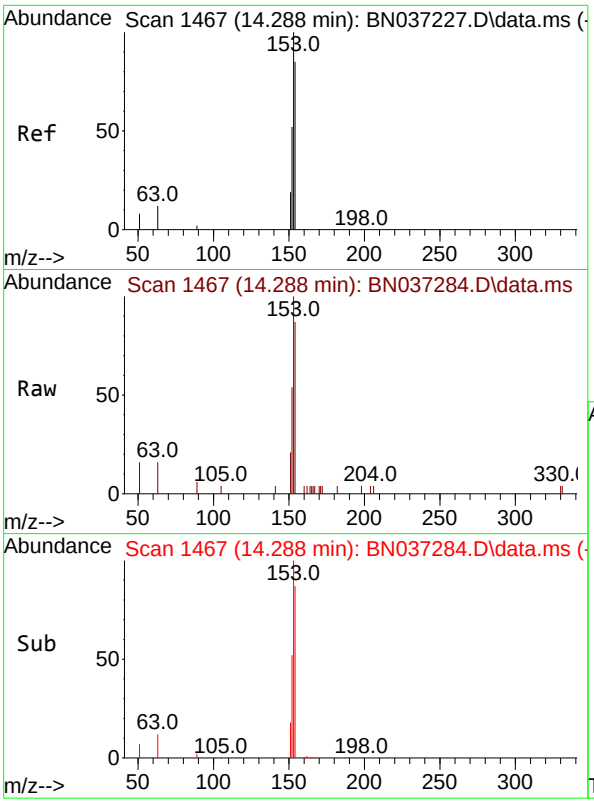


#16
Acenaphthylene
Concen: 0.395 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.010 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:152 Resp: 2640

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.7	16.1



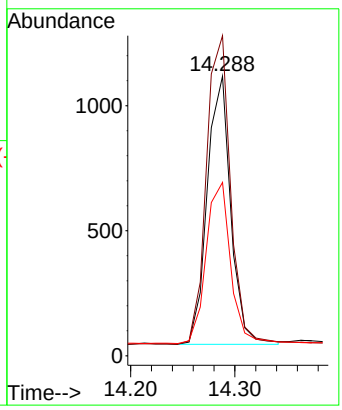


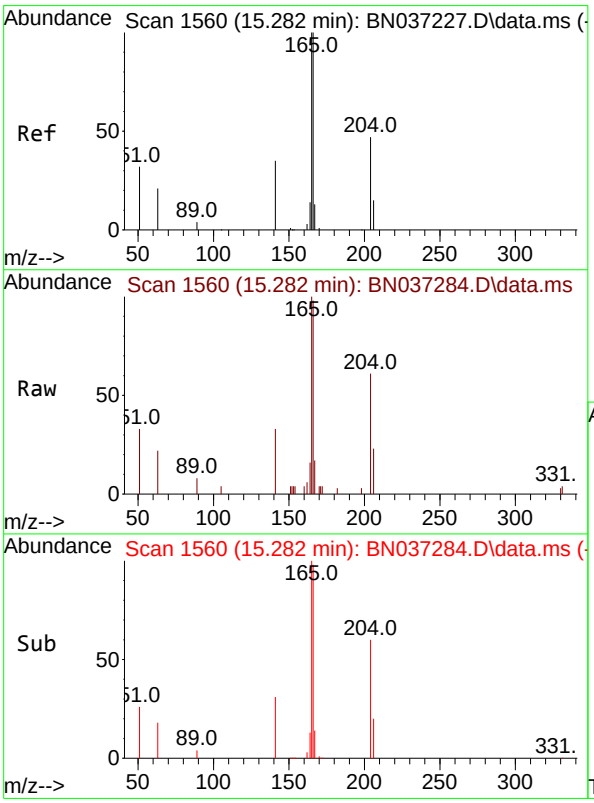
#17
Acenaphthene
Concen: 0.390 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 1681

Ion	Ratio	Lower	Upper
154	100		
153	119.0	94.6	141.8
152	63.5	49.6	74.4

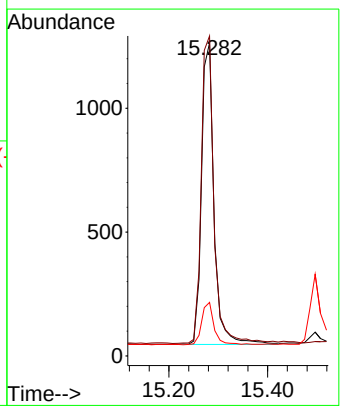


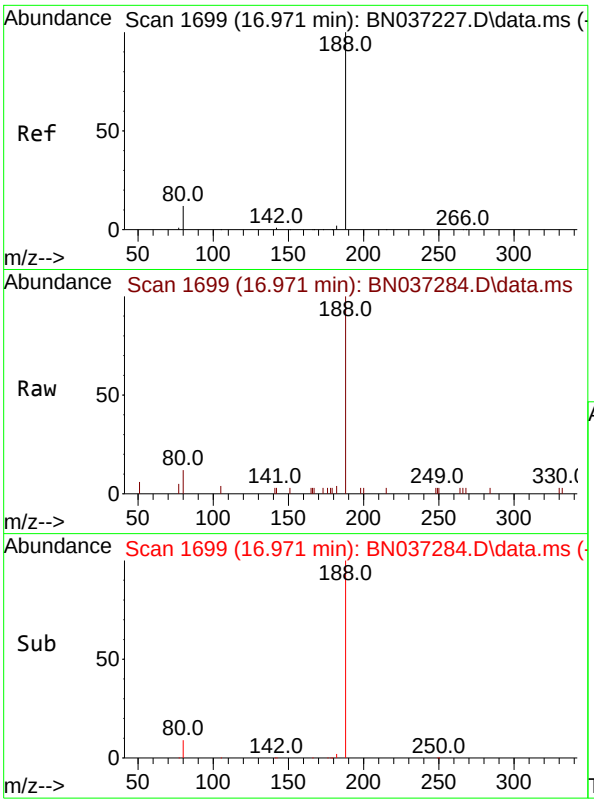


#18
Fluorene
Concen: 0.386 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:166 Resp: 2137

Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.8	119.6
167	14.0	10.8	16.2



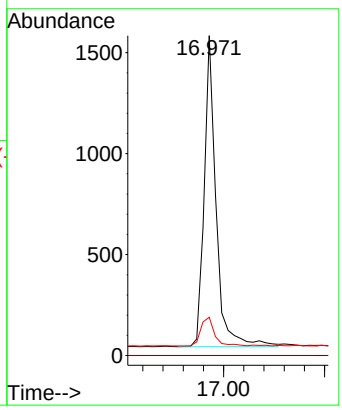


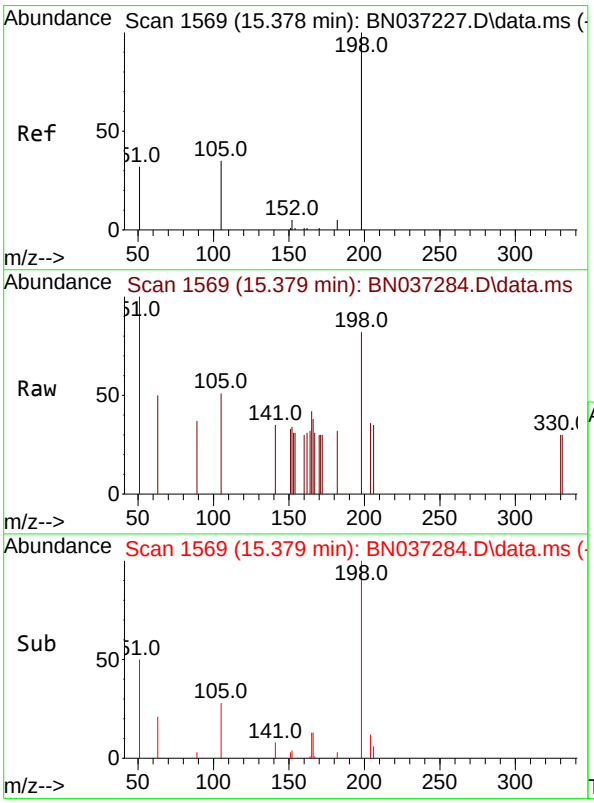
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 2522

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	12.2	18.4#

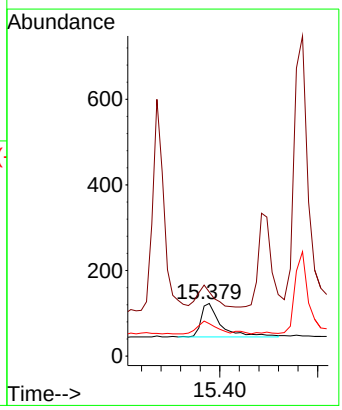


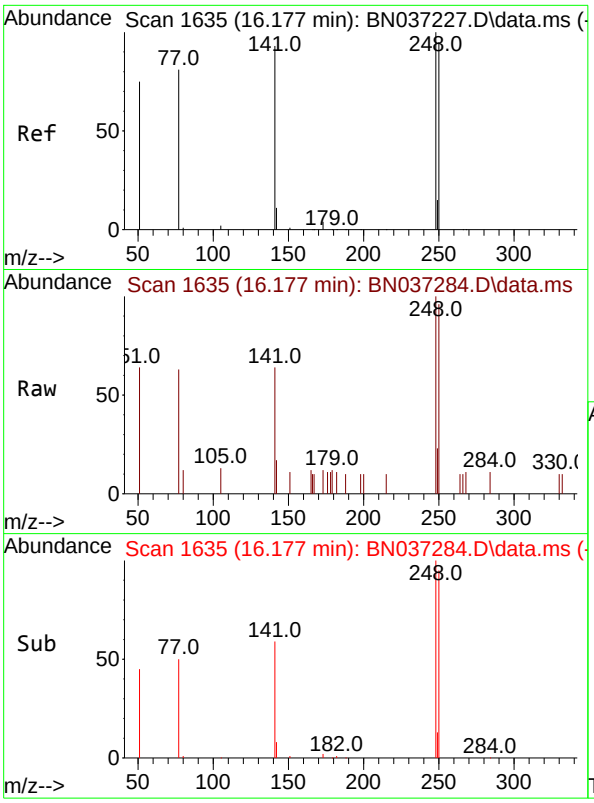


#20
4,6-Dinitro-2-methylphenol
Concen: 0.449 ng
RT: 15.379 min Scan# 1569
Delta R.T. 0.001 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:198 Resp: 220

Ion	Ratio	Lower	Upper
198	100		
51	122.0	111.2	166.8
105	61.8	54.0	81.0



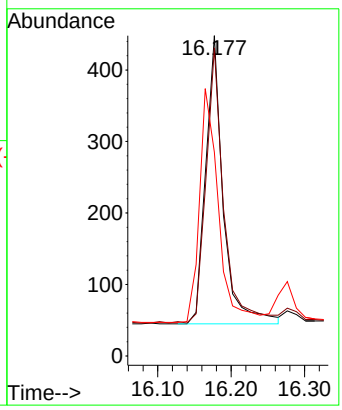


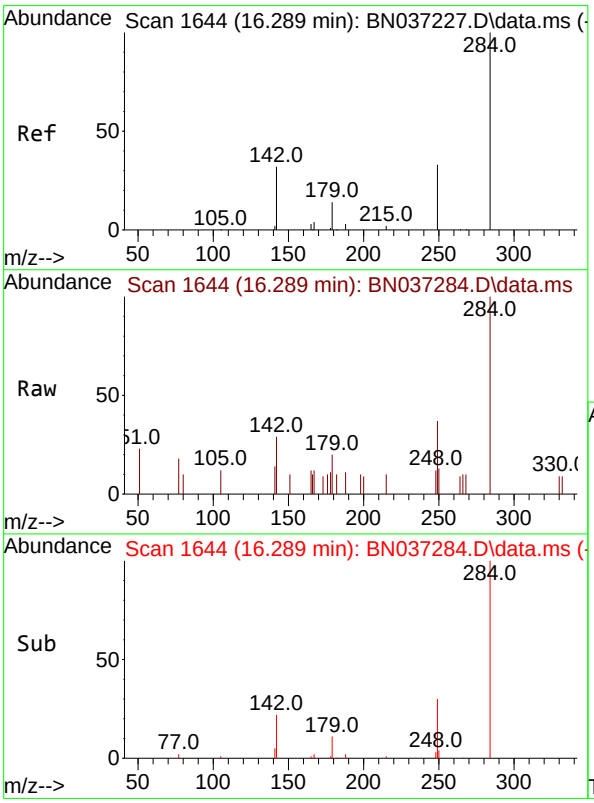
#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 666

Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.8	115.2
141	63.6	75.6	113.4#

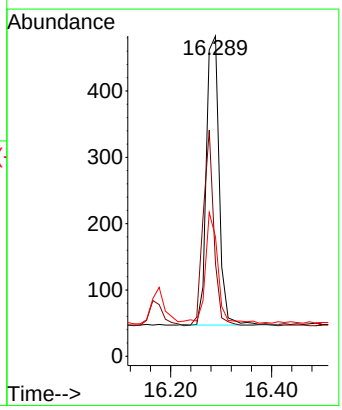


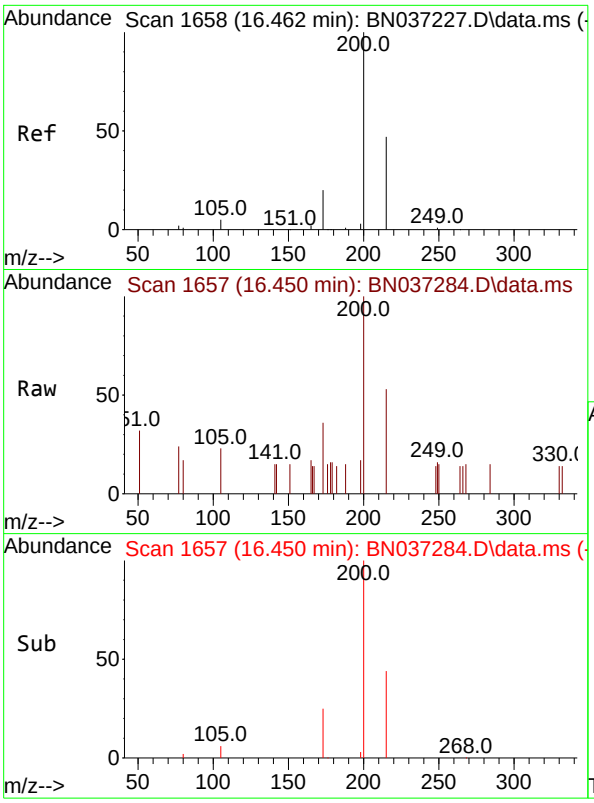


#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:284 Resp: 769

Ion	Ratio	Lower	Upper
284	100		
142	57.1	43.8	65.6
249	37.5	28.4	42.6



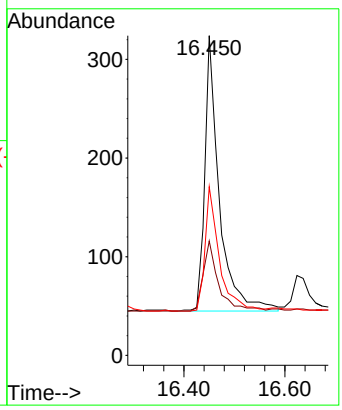


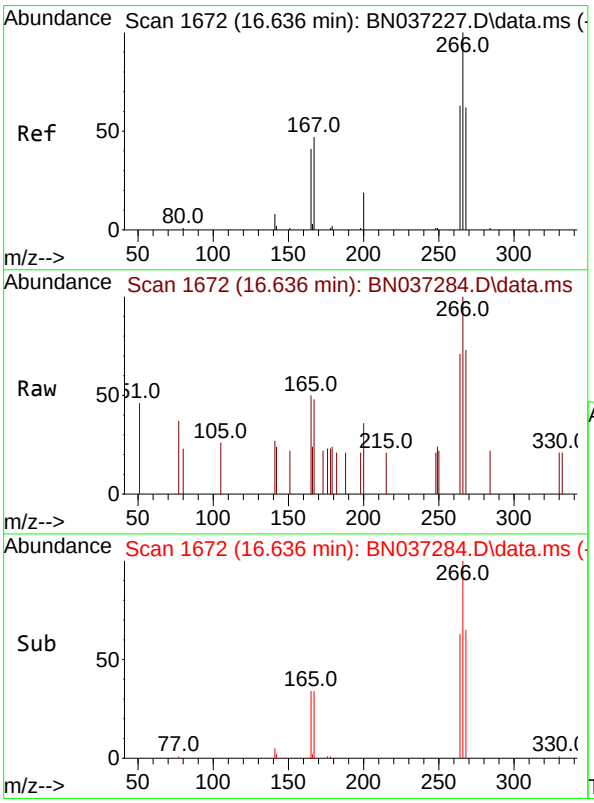
#23
Atrazine
Concen: 0.379 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 556

Ion	Ratio	Lower	Upper
200	100		
173	35.8	25.1	37.7
215	52.8	43.7	65.5

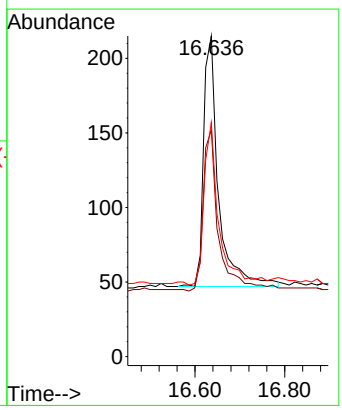


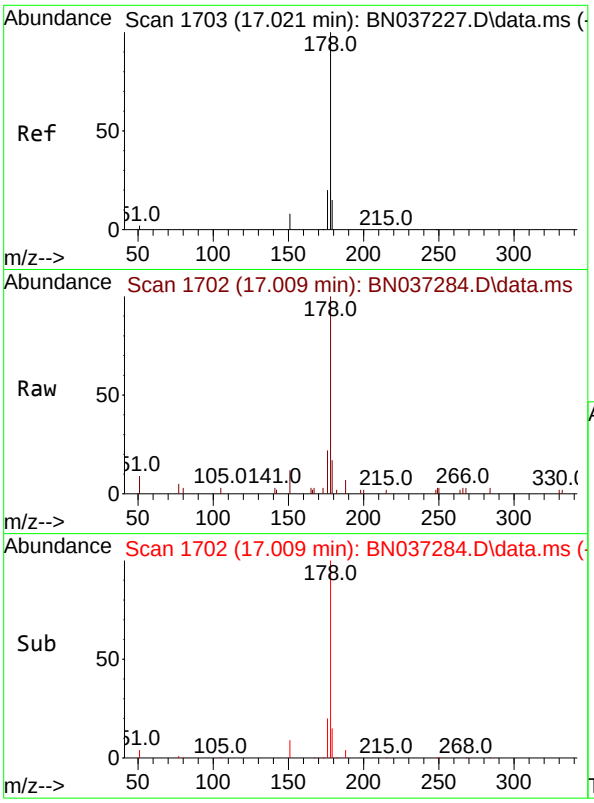


#24
Pentachlorophenol
Concen: 0.415 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:266 Resp: 387

Ion	Ratio	Lower	Upper
266	100		
264	67.2	49.2	73.8
268	64.9	53.4	80.2



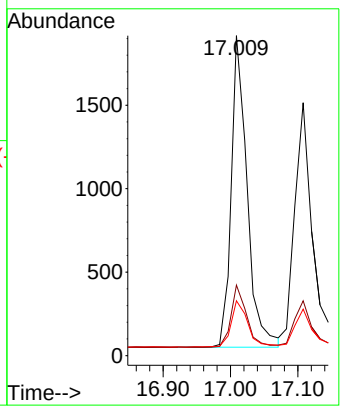


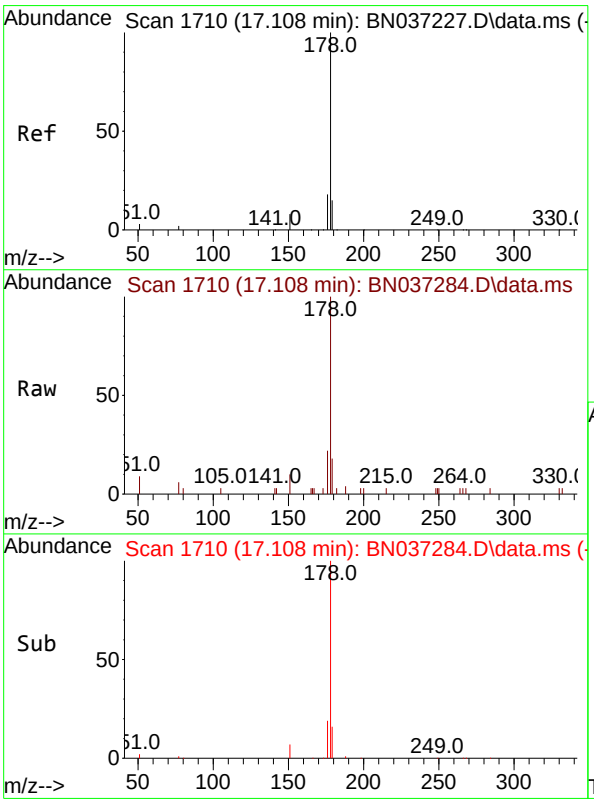
#25
Phenanthrene
Concen: 0.384 ng
RT: 17.009 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 3070

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.9	12.6	18.8

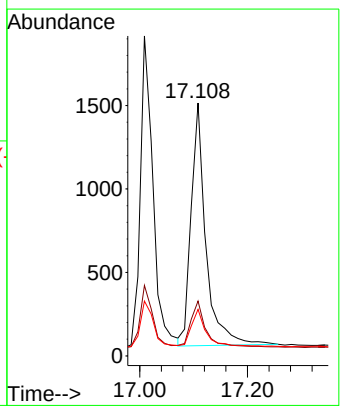


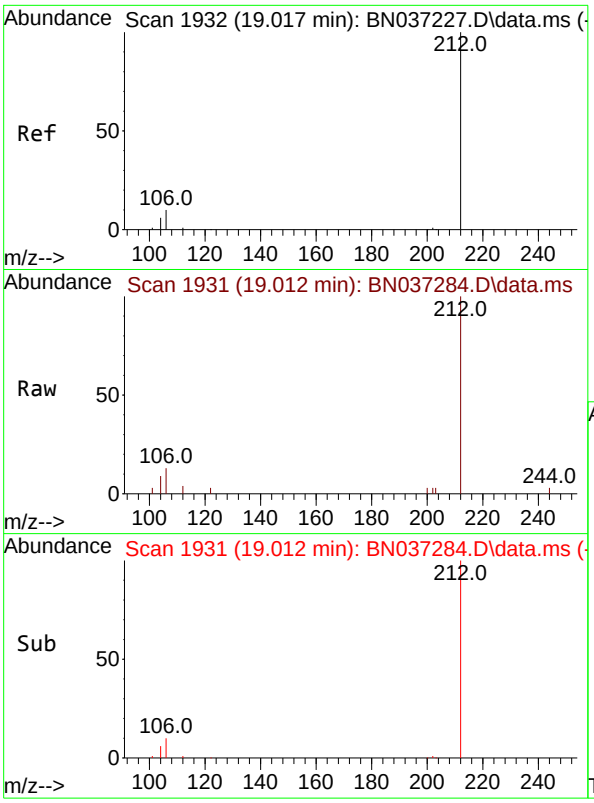


#26
Anthracene
Concen: 0.380 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:178 Resp: 2780

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.6	12.4	18.6



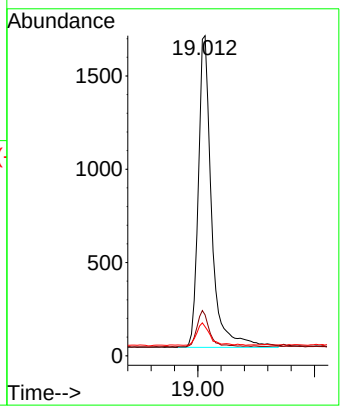


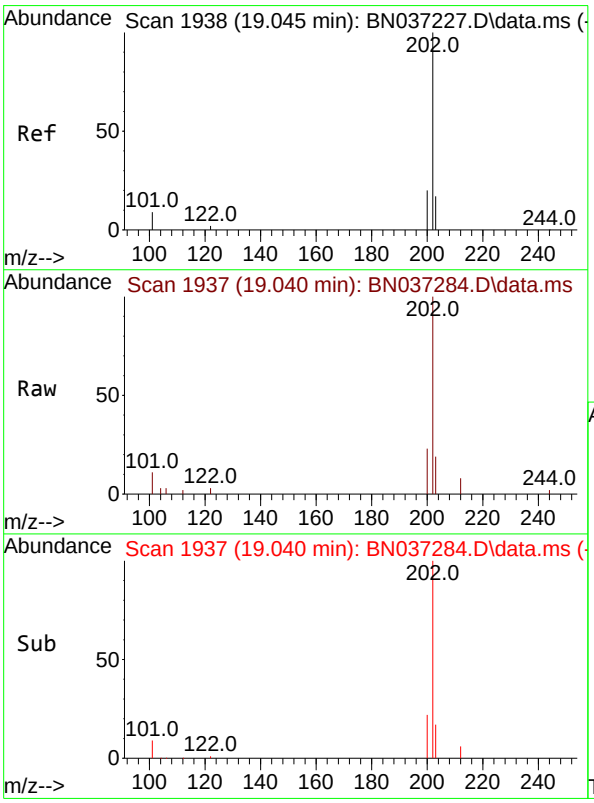
#27
Fluoranthene-d10
Concen: 0.402 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 2655

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.3	13.9
104	7.0	5.7	8.5

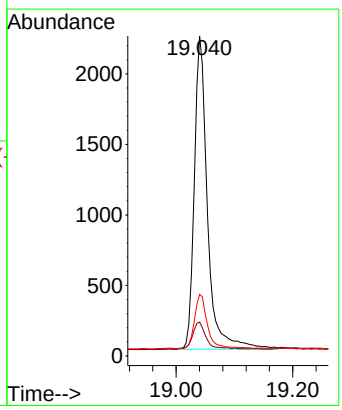


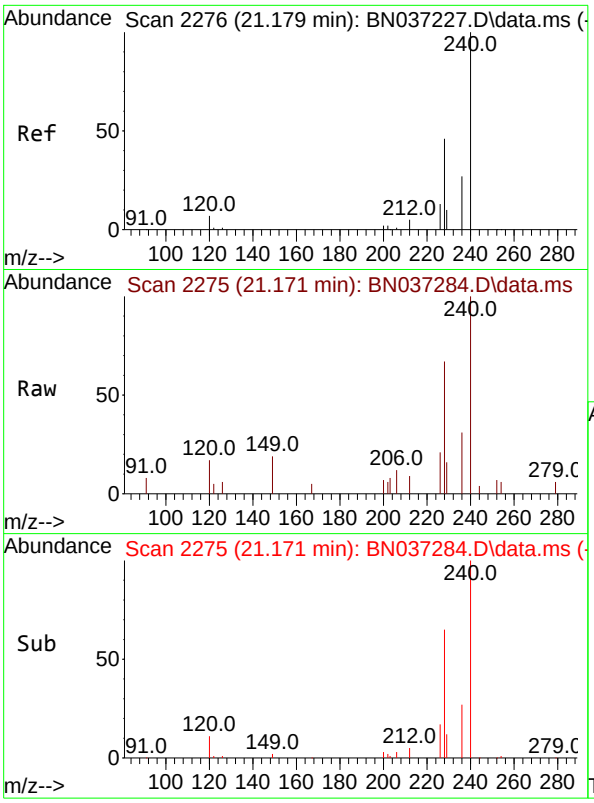


#28
Fluoranthene
Concen: 0.371 ng
RT: 19.040 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:202 Resp: 3477

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.1	10.7
203	16.7	13.0	19.6



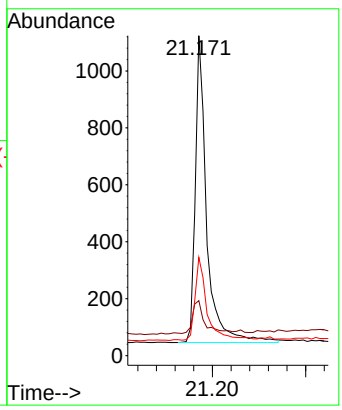


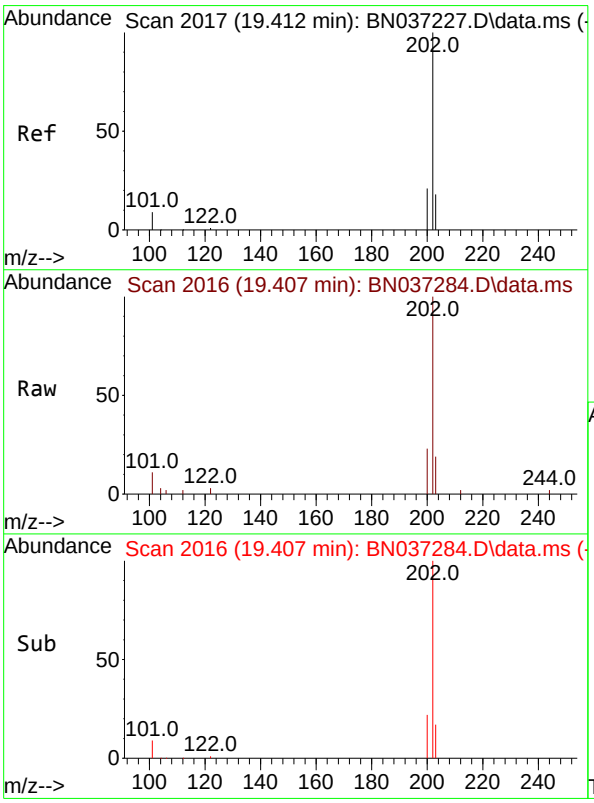
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 1830

Ion	Ratio	Lower	Upper
240	100		
120	17.2	11.3	16.9#
236	30.7	24.4	36.6

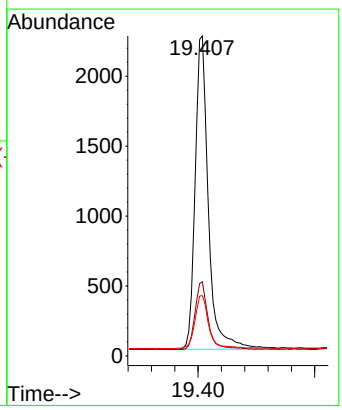


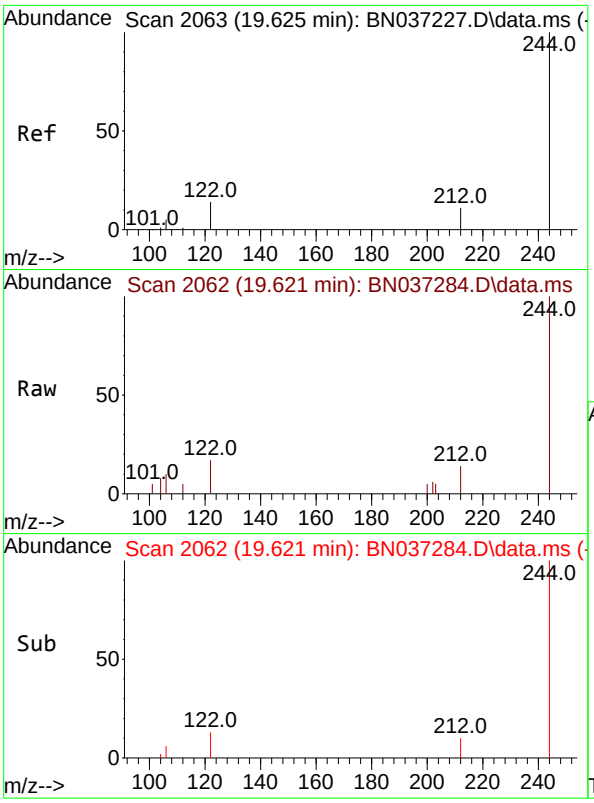


#30
Pyrene
Concen: 0.411 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:202 Resp: 3532

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.9	14.3	21.5



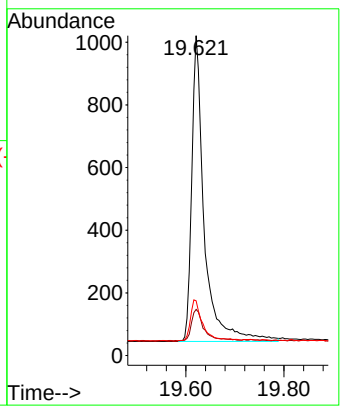


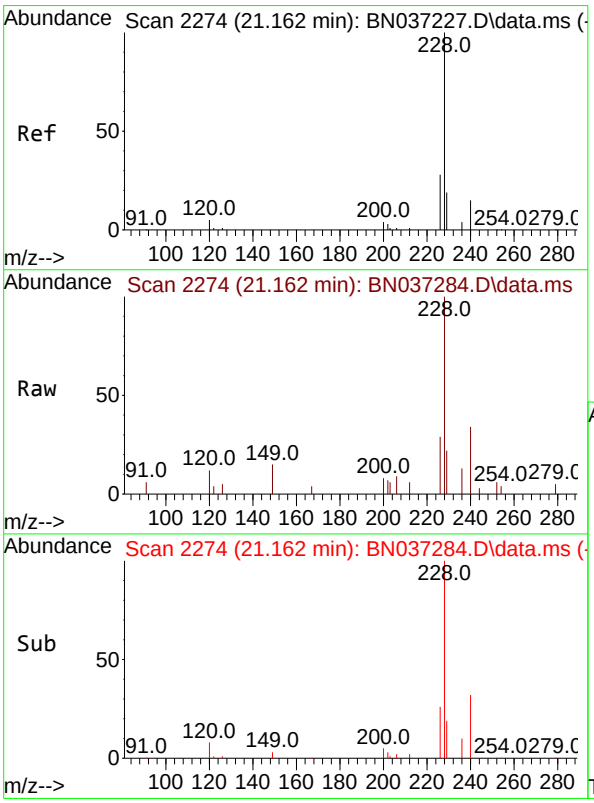
#31
Terphenyl-d14
Concen: 0.418 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 1731

Ion	Ratio	Lower	Upper
244	100		
212	14.4	12.2	18.2
122	17.1	14.3	21.5

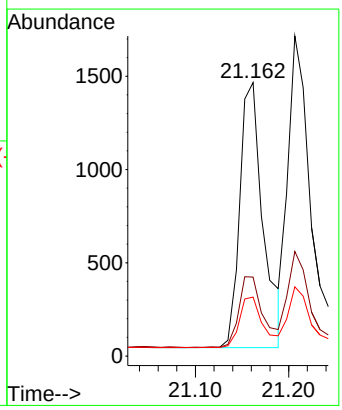


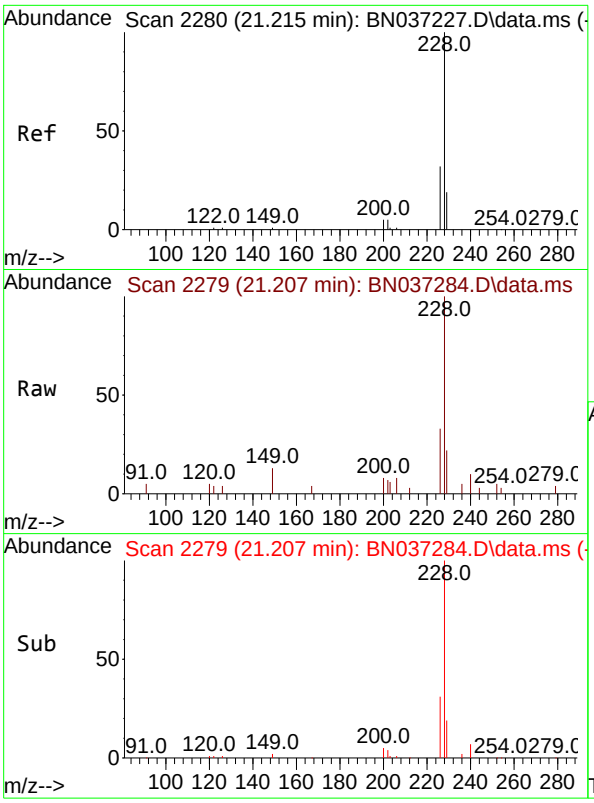


#32
Benzo(a)anthracene
Concen: 0.400 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:228 Resp: 2471

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.8	35.8
229	21.6	17.0	25.4



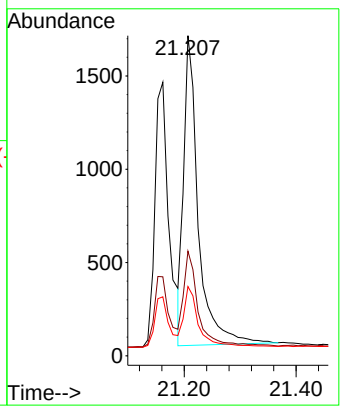


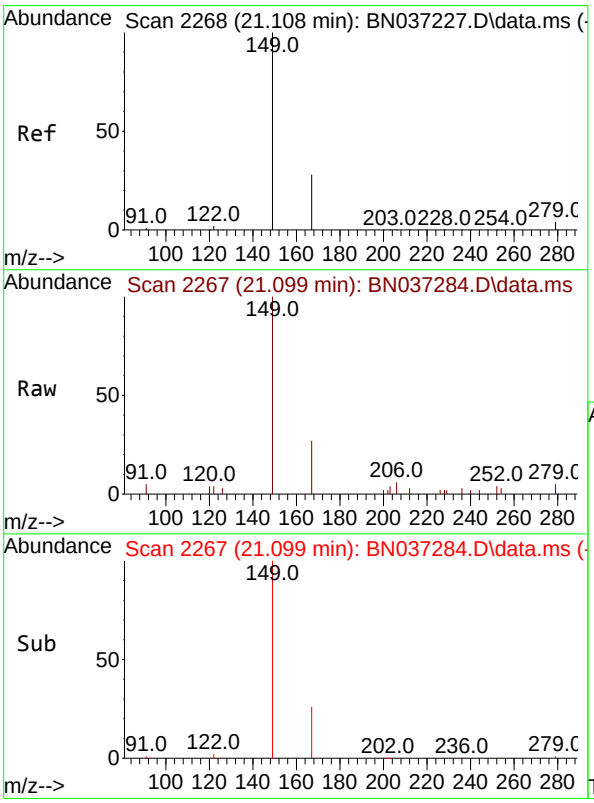
#33
Chrysene
Concen: 0.390 ng
RT: 21.207 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 3003

Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.8	38.6
229	21.6	17.0	25.4

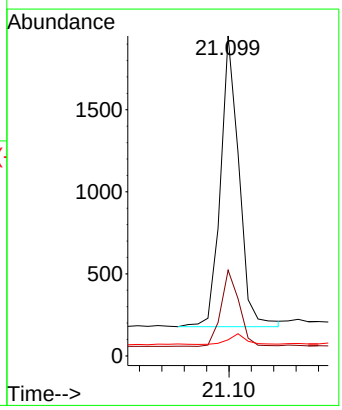


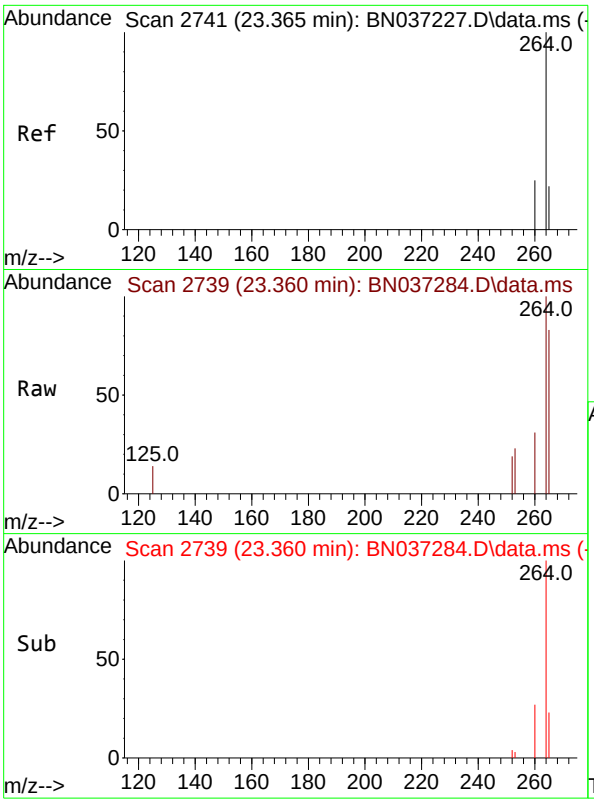


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.443 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:149 Resp: 2037

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.3	31.9
279	3.4	3.3	4.9



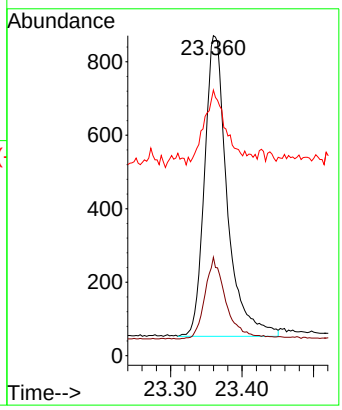


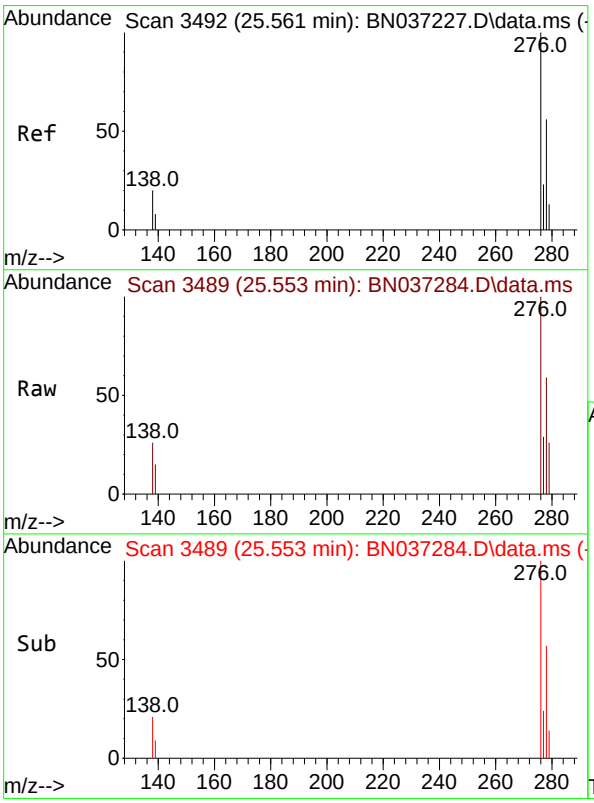
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 1806

Ion	Ratio	Lower	Upper
264	100		
260	30.8	22.8	34.2
265	83.0	66.4	99.6

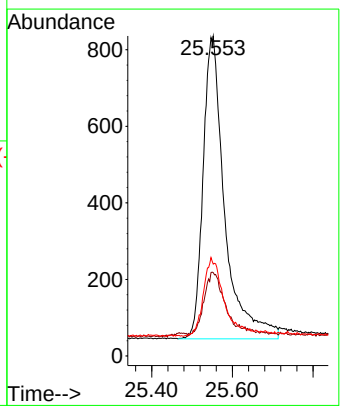


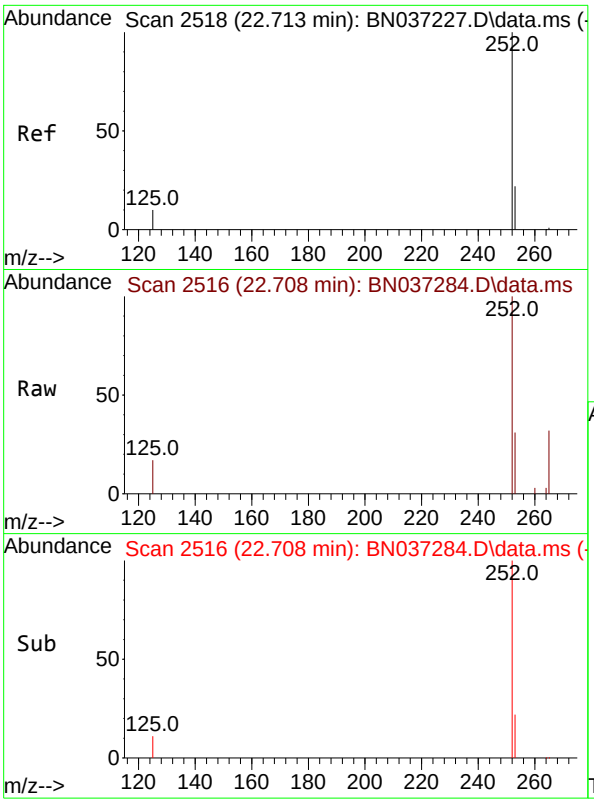


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng
RT: 25.553 min Scan# 3489
Delta R.T. -0.008 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:276 Resp: 2942

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.8	25.2
277	23.3	19.5	29.3



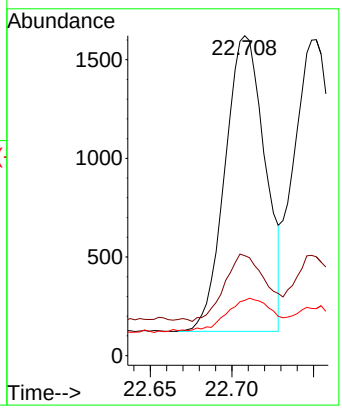


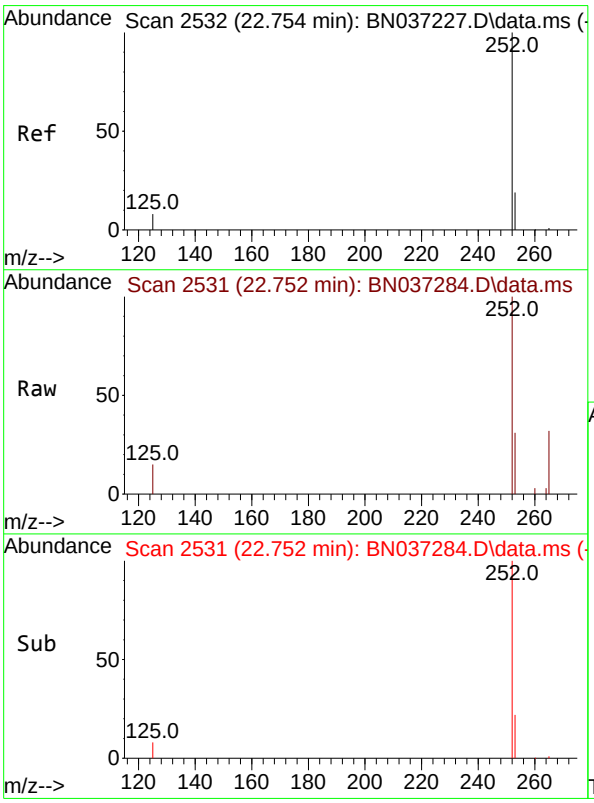
#37
Benzo(b)fluoranthene
Concen: 0.387 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2557

Ion	Ratio	Lower	Upper
252	100		
253	31.3	24.9	37.3
125	17.3	12.9	19.3

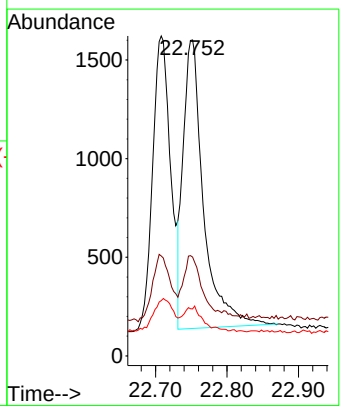


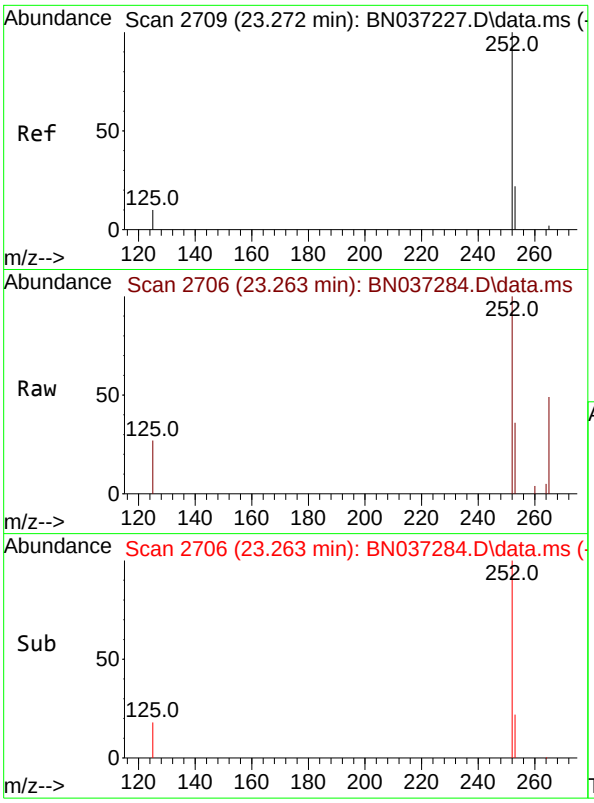


#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:252 Resp: 2890

Ion	Ratio	Lower	Upper
252	100		
253	31.3	24.6	37.0
125	14.9	13.4	20.2



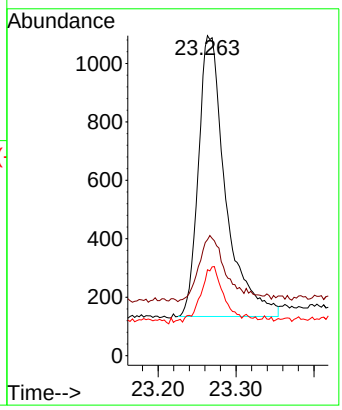


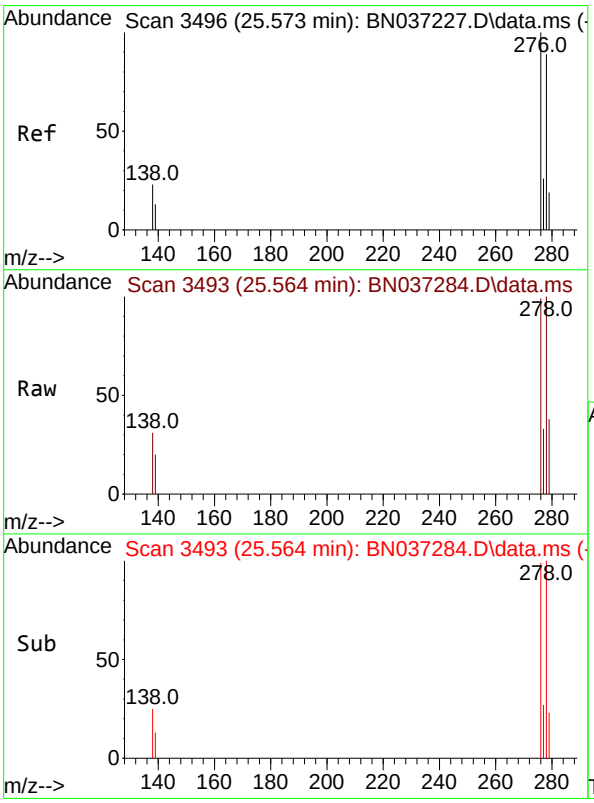
#39
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.263 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2325

Ion	Ratio	Lower	Upper
252	100		
253	36.3	29.4	44.2
125	26.8	16.2	24.2#

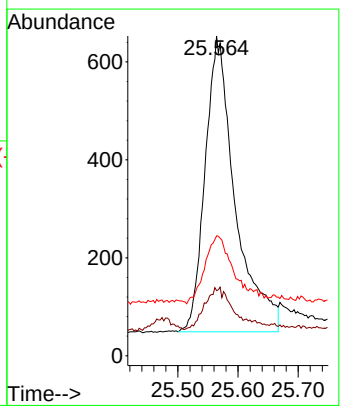


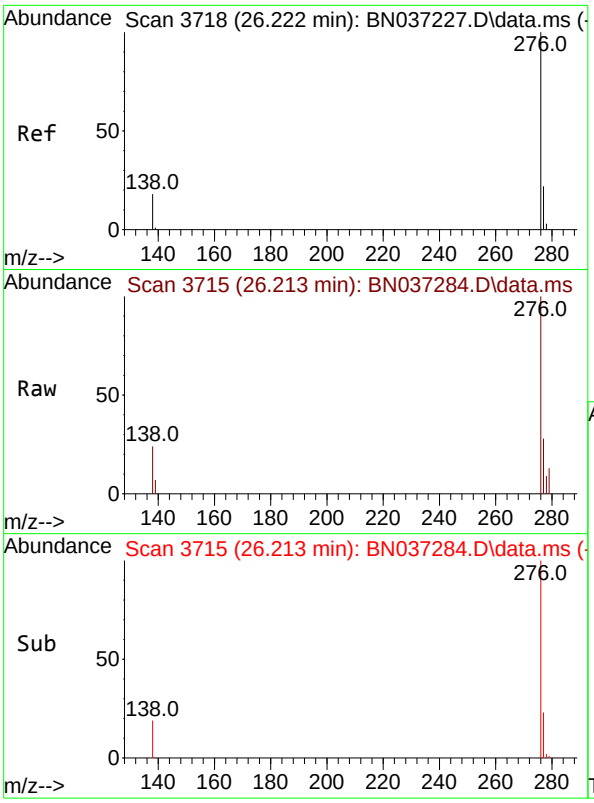


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.564 min Scan# 3493
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Tgt Ion:278 Resp: 2093

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.8	26.6
279	37.5	31.3	46.9





#41
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 26.213 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN037284.D
Acq: 16 Jun 2025 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 2630

Ion	Ratio	Lower	Upper
276	100		
277	28.3	22.0	33.0
138	24.3	18.4	27.6