Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010625\
Data File : BN035889.D
Acq On : 06 Jan 2025 10:05
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 06 11:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN010225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 02 15:39:17 2025
Response via : Initial Calibration

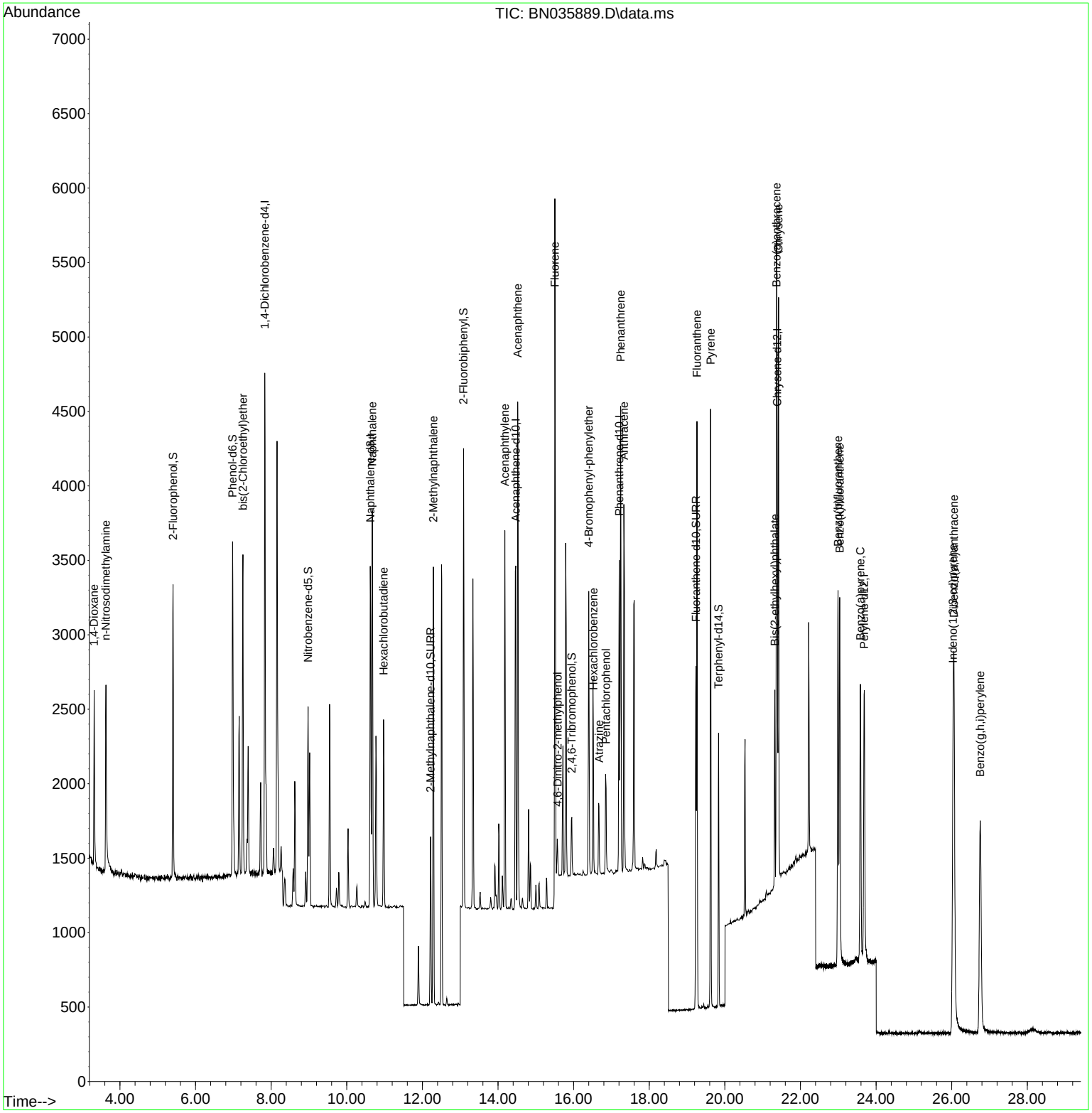
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.832	152	1532	0.400	ng		0.00
7) Naphthalene-d8	10.622	136	2905	0.400	ng		0.00
13) Acenaphthene-d10	14.468	164	1384	0.400	ng		0.00
19) Phenanthrene-d10	17.206	188	2666	0.400	ng		0.00
29) Chrysene-d12	21.384	240	2259	0.400	ng		0.00
35) Perylene-d12	23.686	264	2595	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.405	112	1444	0.384	ng		0.00
5) Phenol-d6	6.979	99	1805	0.387	ng		0.00
8) Nitrobenzene-d5	8.977	82	976	0.424	ng		0.00
11) 2-Methylnaphthalene-d10	12.218	152	1486	0.382	ng		0.00
14) 2,4,6-Tribromophenol	15.952	330	251	0.378	ng		0.00
15) 2-Fluorobiphenyl	13.089	172	2441	0.402	ng		0.00
27) Fluoranthene-d10	19.234	212	2513	0.380	ng		0.00
31) Terphenyl-d14	19.833	244	1700	0.378	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.318	88	615	0.404	ng		96
3) n-Nitrosodimethylamine	3.628	42	1051	0.396	ng	#	94
6) bis(2-Chloroethyl)ether	7.254	93	1473	0.414	ng		99
9) Naphthalene	10.675	128	3213	0.394	ng		99
10) Hexachlorobutadiene	10.974	225	1045	0.395	ng	#	98
12) 2-Methylnaphthalene	12.289	142	1927	0.382	ng		98
16) Acenaphthylene	14.180	152	2555	0.392	ng		99
17) Acenaphthene	14.522	154	1686	0.395	ng		98
18) Fluorene	15.506	166	1760	0.374	ng		100
20) 4,6-Dinitro-2-methylph...	15.580	198	205	0.443	ng	#	85
21) 4-Bromophenyl-phenylether	16.399	248	699	0.382	ng		97
22) Hexachlorobenzene	16.523	284	975	0.391	ng		97
23) Atrazine	16.672	200	436	0.356	ng	#	90
24) Pentachlorophenol	16.858	266	345	0.391	ng		95
25) Phenanthrene	17.243	178	3012	0.387	ng		100
26) Anthracene	17.330	178	2660	0.376	ng		99
28) Fluoranthene	19.262	202	3379	0.373	ng		100
30) Pyrene	19.624	202	3454	0.377	ng		99
32) Benzo(a)anthracene	21.366	228	3036	0.381	ng		99
33) Chrysene	21.420	228	3233	0.388	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	1180	0.364	ng		98
36) Indeno(1,2,3-cd)pyrene	26.037	276	3728	0.364	ng		98
37) Benzo(b)fluoranthene	22.993	252	3269	0.367	ng		98
38) Benzo(k)fluoranthene	23.040	252	3280	0.372	ng		98
39) Benzo(a)pyrene	23.587	252	2865	0.371	ng		98
40) Dibenzo(a,h)anthracene	26.060	278	2944	0.362	ng		98
41) Benzo(g,h,i)perylene	26.756	276	3341	0.367	ng		99

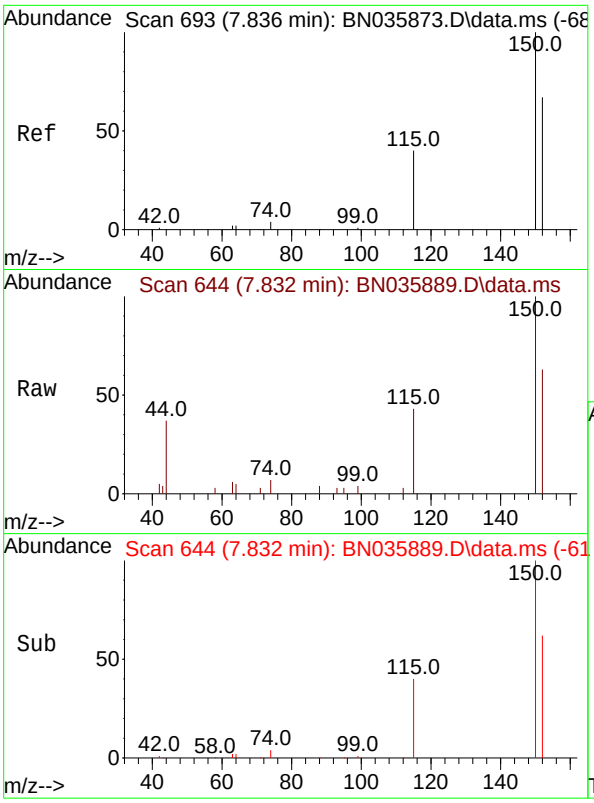
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010625\
Data File : BN035889.D
Acq On : 06 Jan 2025 10:05
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 06 11:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN010225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 02 15:39:17 2025
Response via : Initial Calibration



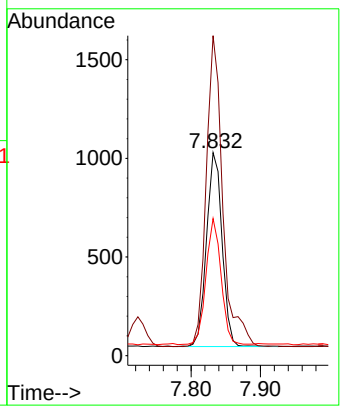


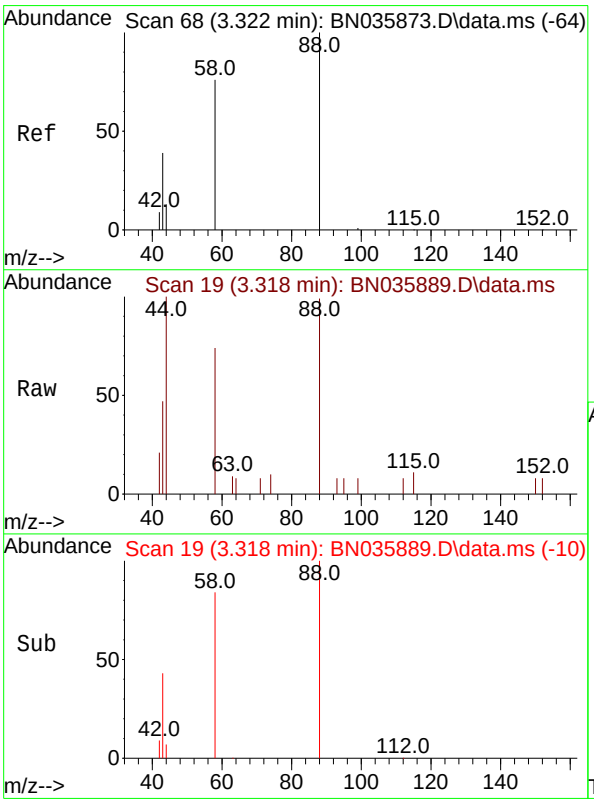
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.832 min Scan# 64
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1532

Ion	Ratio	Lower	Upper
152	100		
150	157.6	117.8	176.6
115	67.5	51.0	76.4

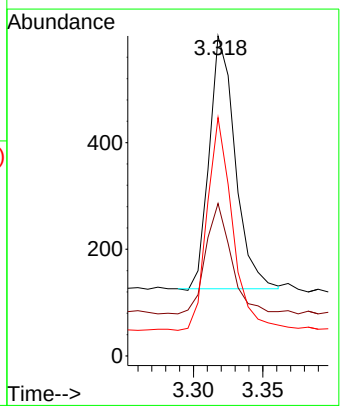


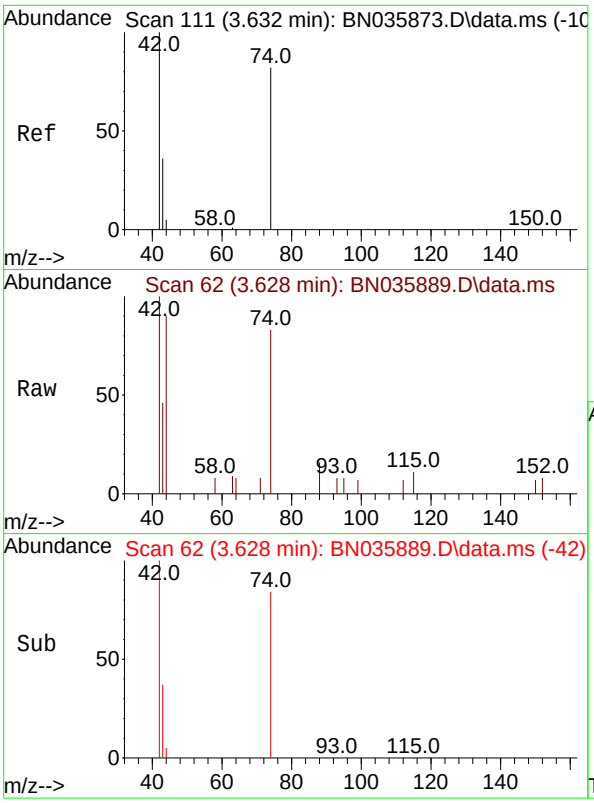


#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.318 min Scan# 19
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion: 88 Resp: 615

Ion	Ratio	Lower	Upper
88	100		
43	43.3	32.7	49.1
58	81.8	63.0	94.4



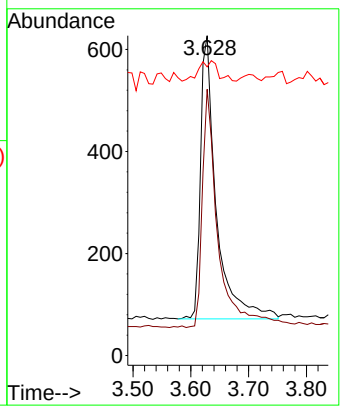


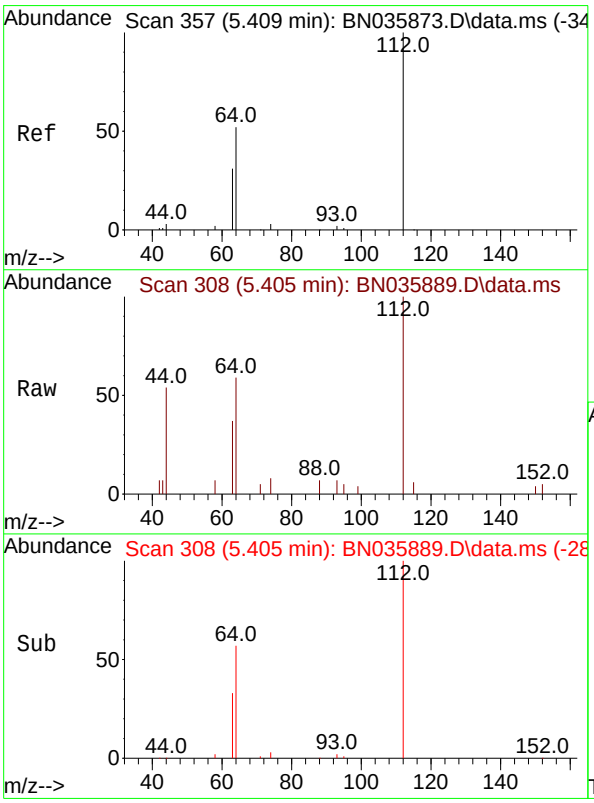
#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.628 min Scan# 6
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1051

Ion	Ratio	Lower	Upper
42	100		
74	83.1	62.2	93.2
44	11.8	7.1	10.7#

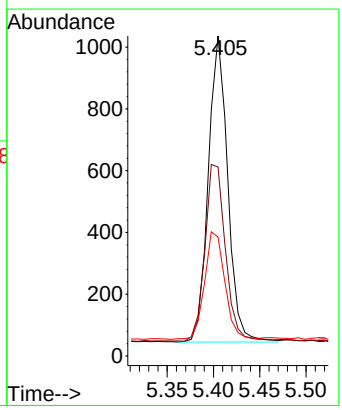


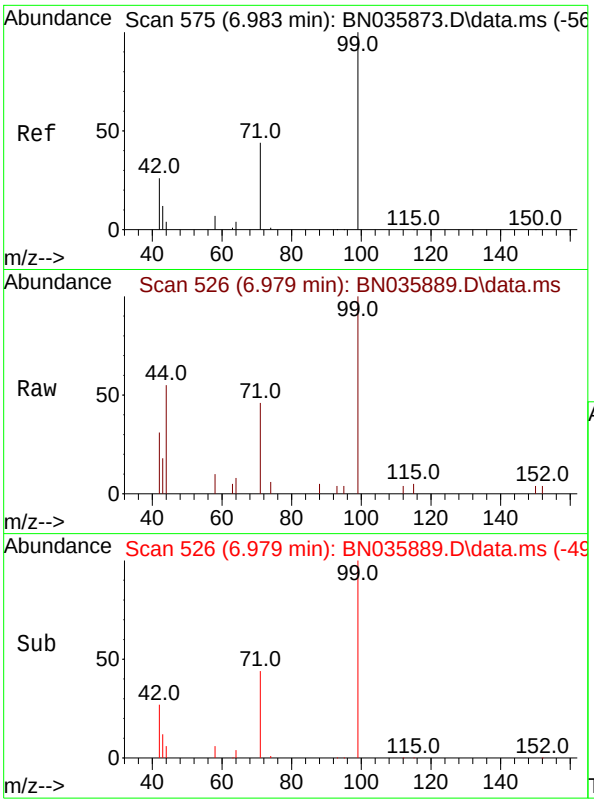


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 5.405 min Scan# 308
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:112 Resp: 1444

Ion	Ratio	Lower	Upper
112	100		
64	60.7	48.2	72.2
63	36.6	30.0	45.0



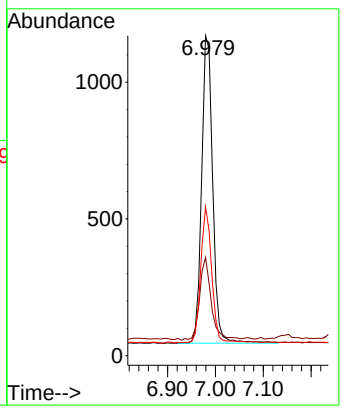


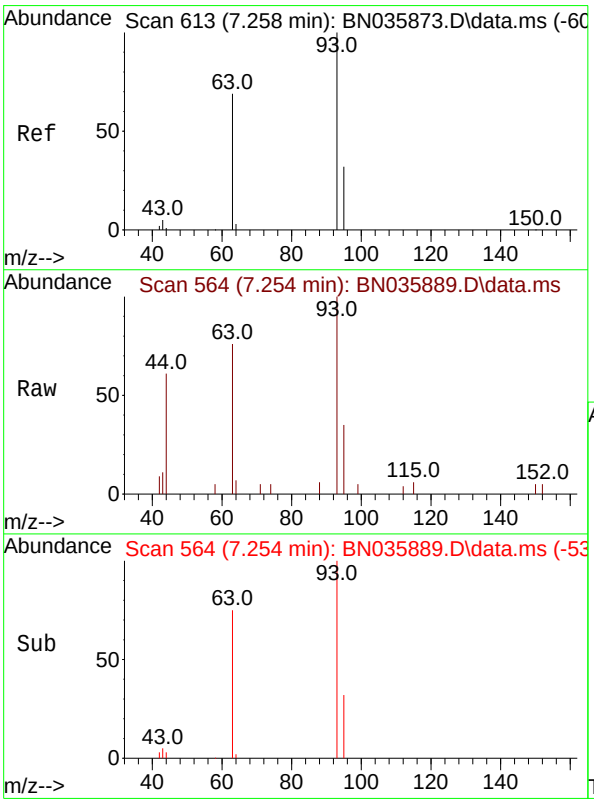
#5
Phenol-d6
Concen: 0.387 ng
RT: 6.979 min Scan# 5
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1805

Ion	Ratio	Lower	Upper
99	100		
42	28.3	23.5	35.3
71	44.1	35.5	53.3

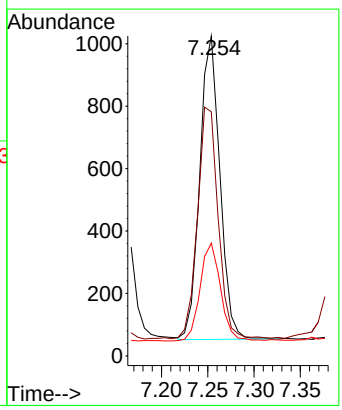


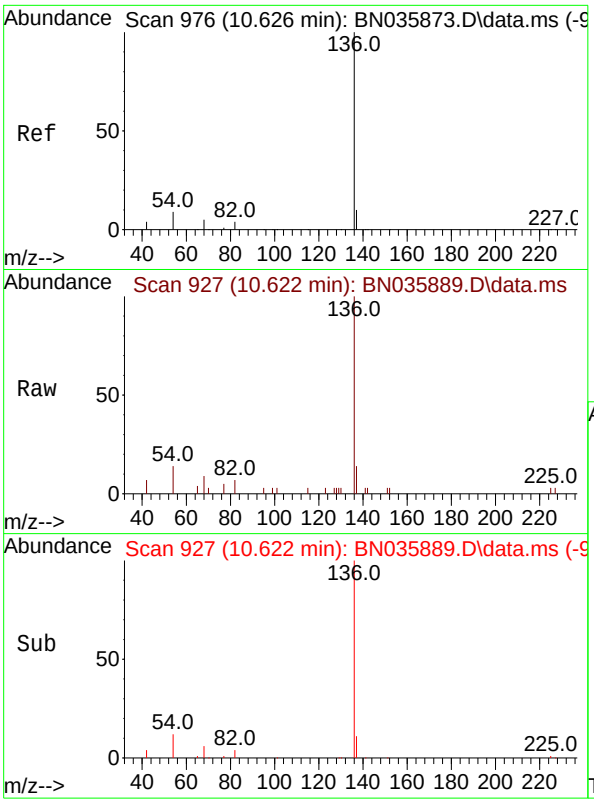


#6
bis(2-Chloroethyl)ether
Concen: 0.414 ng
RT: 7.254 min Scan# 564
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion: 93 Resp: 1473

Ion	Ratio	Lower	Upper
93	100		
63	77.7	62.0	93.0
95	32.7	25.5	38.3



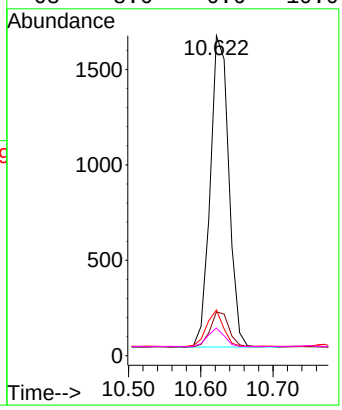


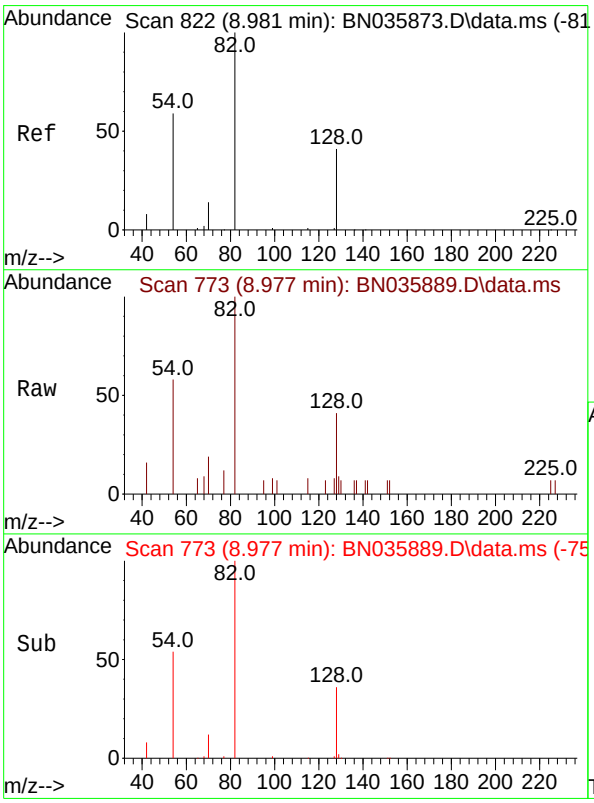
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.622 min Scan# 9
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 2905

Ion	Ratio	Lower	Upper
136	100		
137	13.7	10.6	15.8
54	14.3	9.8	14.6
68	8.6	6.6	10.0

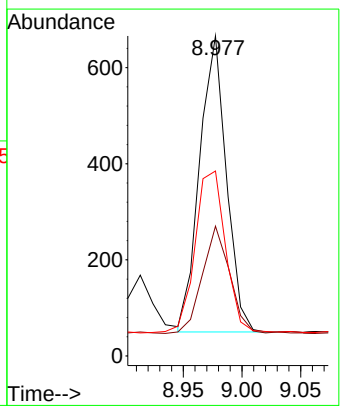


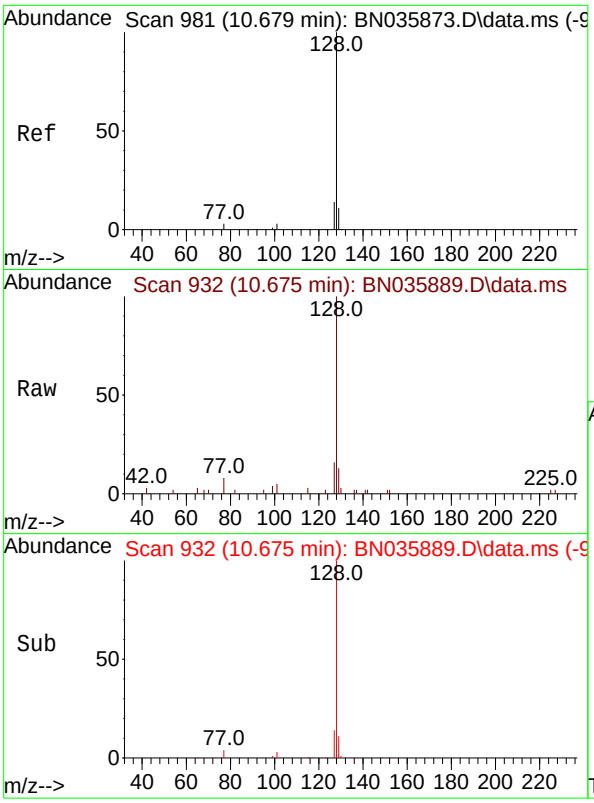


#8
Nitrobenzene-d5
Concen: 0.424 ng
RT: 8.977 min Scan# 773
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion: 82 Resp: 976

Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.9	55.3
54	57.8	50.4	75.6



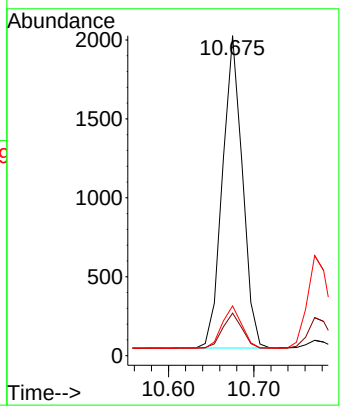


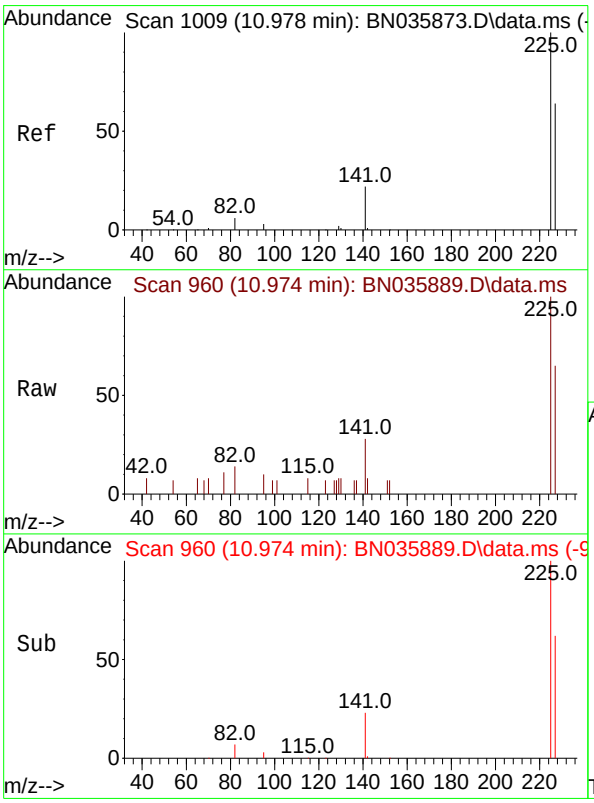
#9
Naphthalene
Concen: 0.394 ng
RT: 10.675 min Scan# 9
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 3213

Ion	Ratio	Lower	Upper
128	100		
129	13.3	10.6	16.0
127	15.5	12.8	19.2

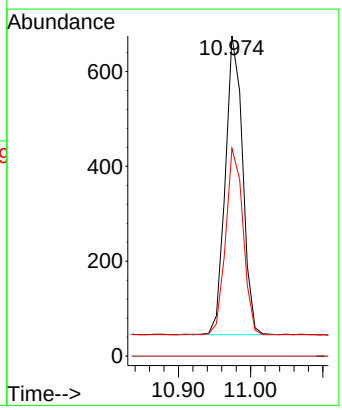


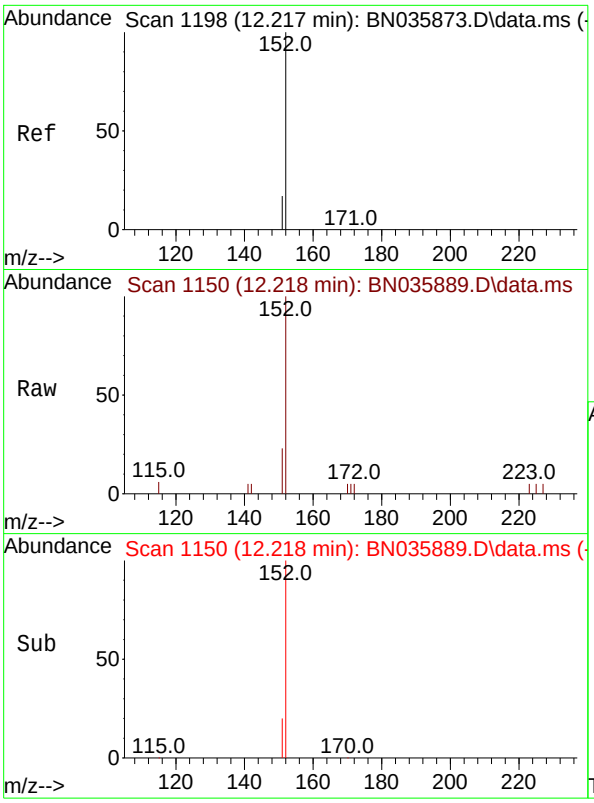


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 10.974 min Scan# 960
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:225 Resp: 1045

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.7	51.5	77.3



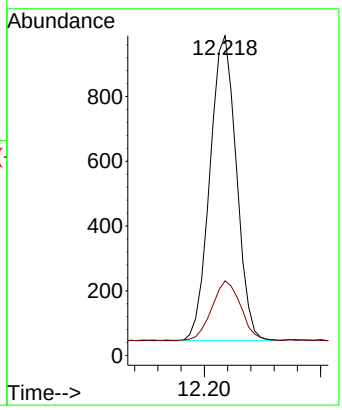


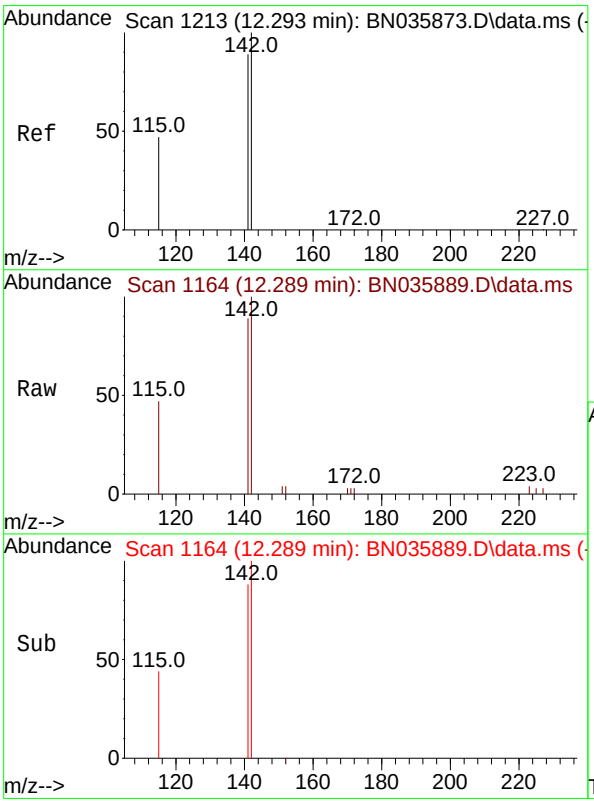
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.218 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1486

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

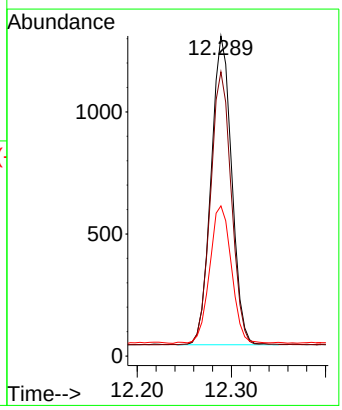


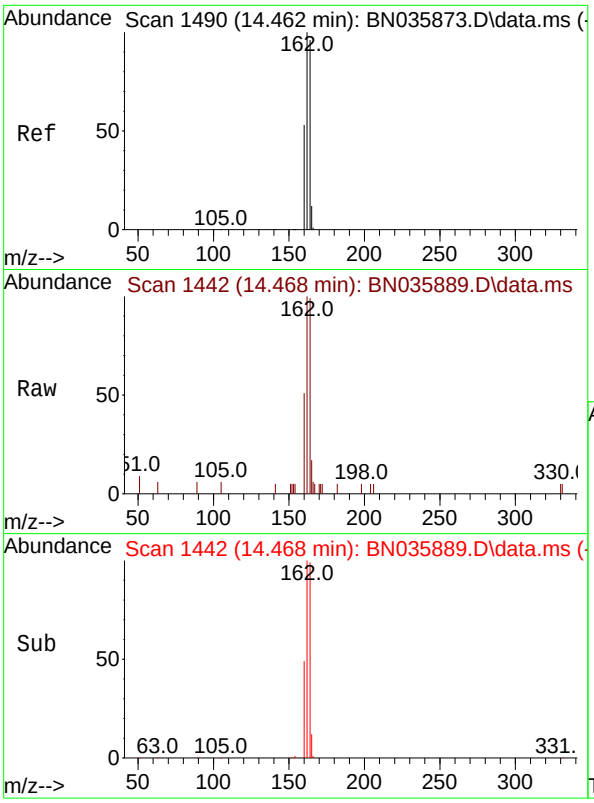


#12
2-Methylnaphthalene
Concen: 0.382 ng
RT: 12.289 min Scan# 1164
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:142 Resp: 1927

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.9	107.9
115	46.9	39.6	59.4



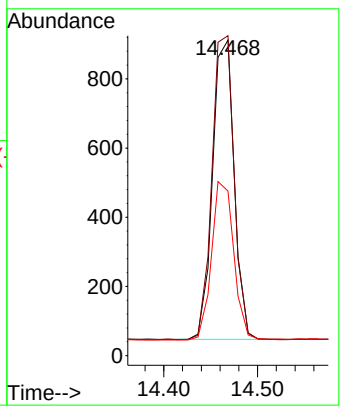


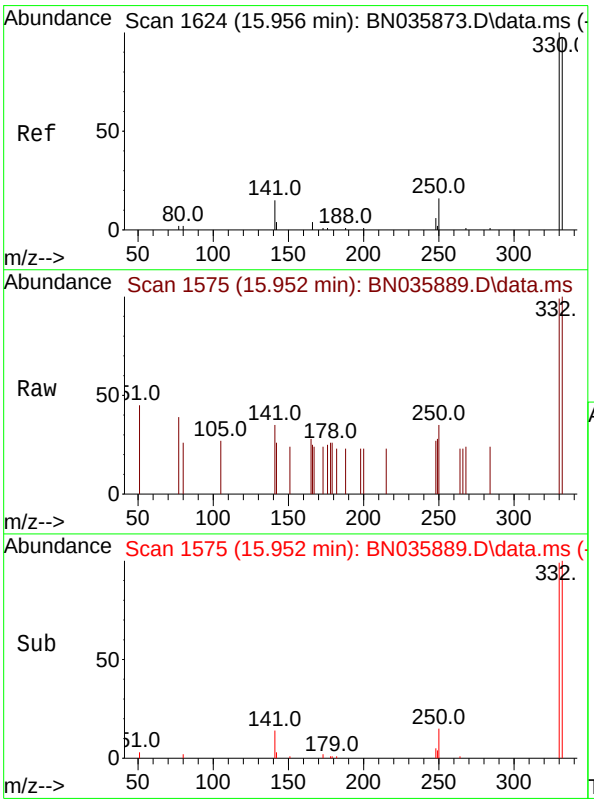
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.468 min Scan# 14
Delta R.T. 0.007 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1384

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.1	124.7
160	52.2	46.0	69.0

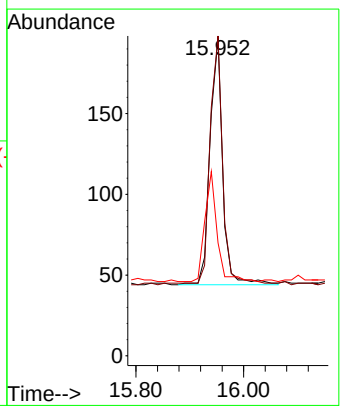


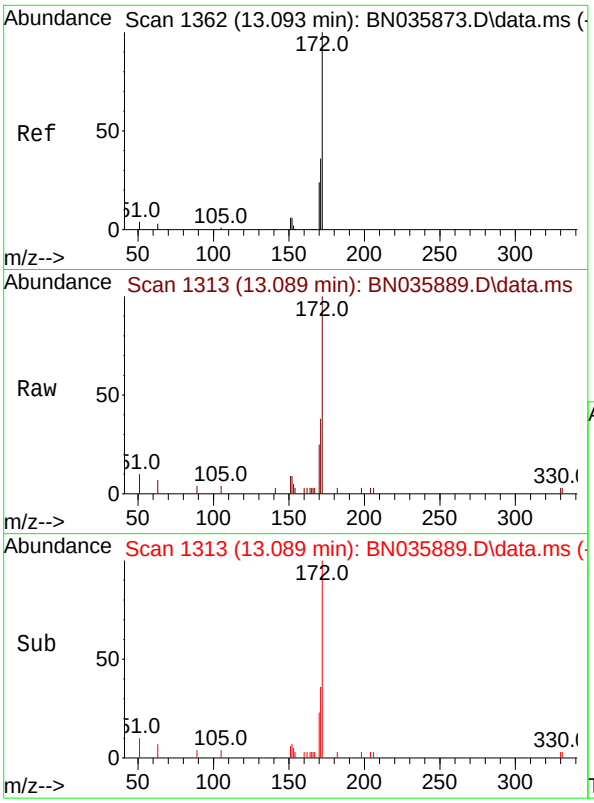


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.952 min Scan# 1575
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:330 Resp: 251

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	42.2	31.6	47.4



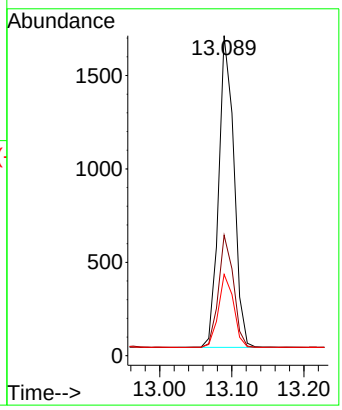


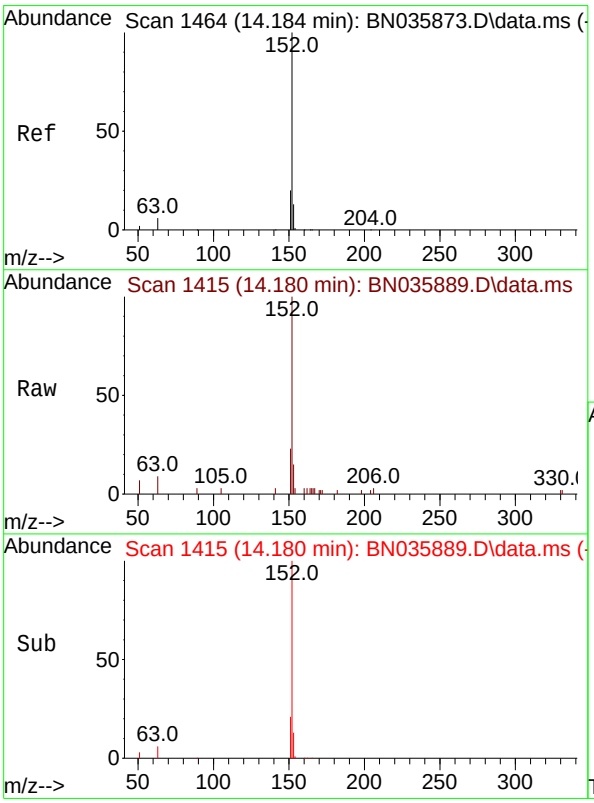
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 13.089 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2441

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	25.4	20.8	31.2

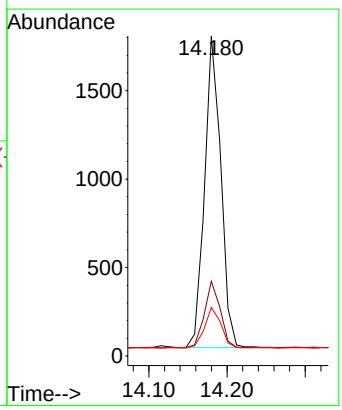


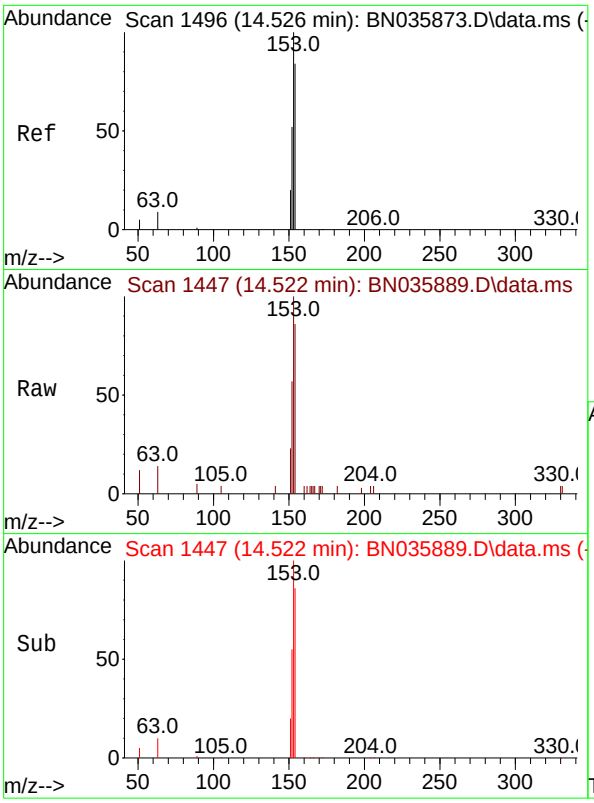


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.180 min Scan# 1415
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:152 Resp: 2555

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	13.2	10.6	15.8



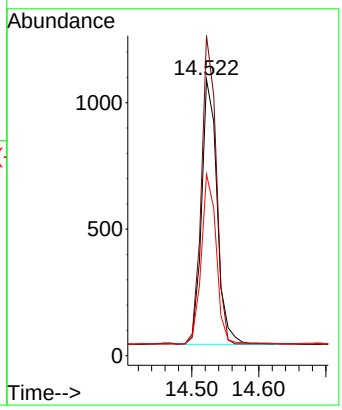


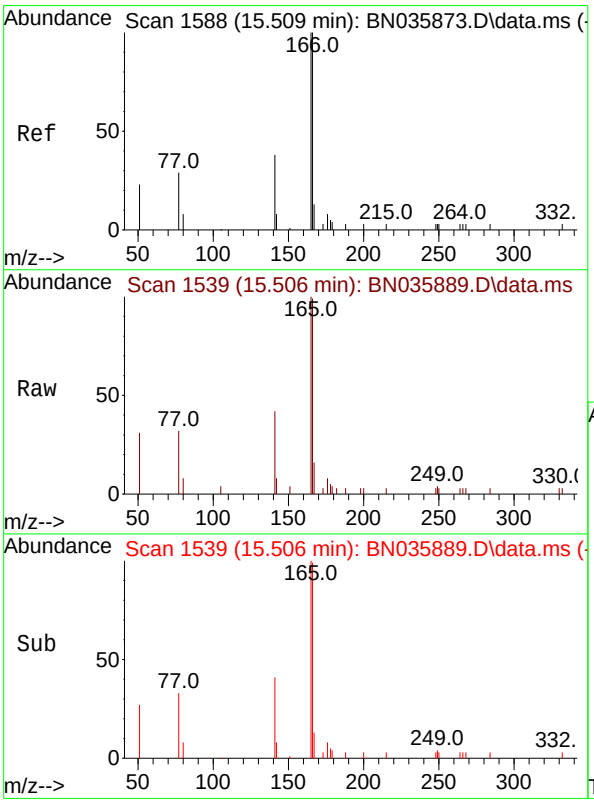
#17
Acenaphthene
Concen: 0.395 ng
RT: 14.522 min Scan# 14
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 1686

Ion	Ratio	Lower	Upper
154	100		
153	110.2	90.5	135.7
152	61.4	48.6	73.0

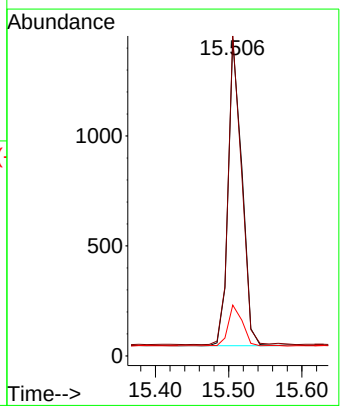


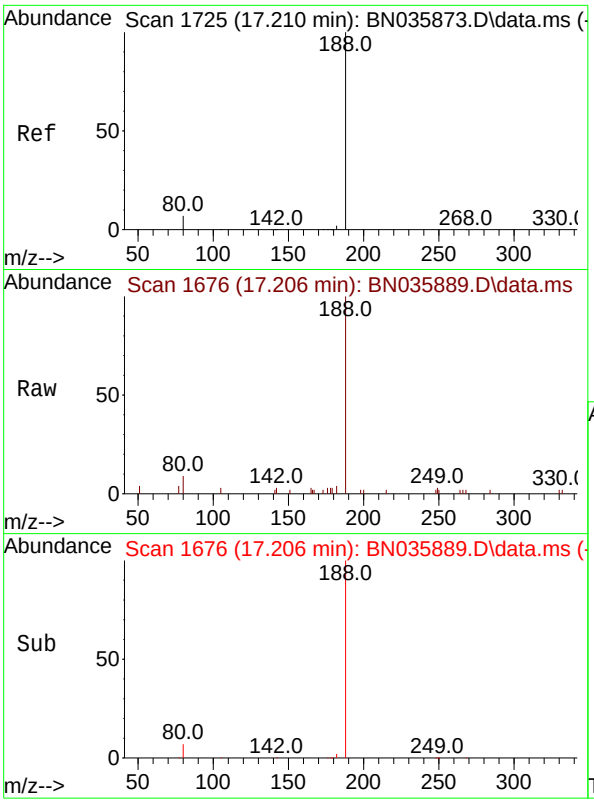


#18
Fluorene
Concen: 0.374 ng
RT: 15.506 min Scan# 1539
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:166 Resp: 1760

Ion	Ratio	Lower	Upper
166	100		
165	100.7	80.6	120.8
167	14.3	11.4	17.0



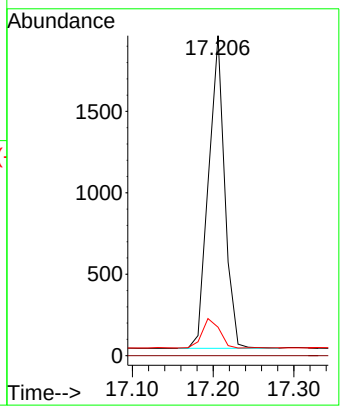


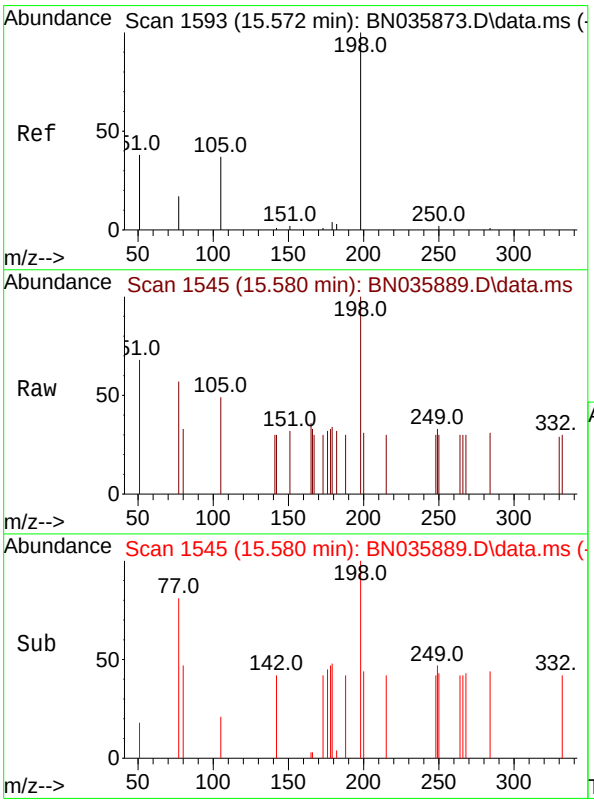
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.206 min Scan# 1(
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 2666

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.3	10.9

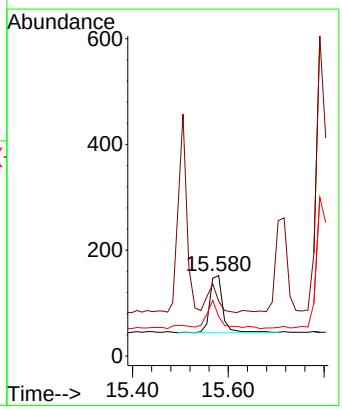


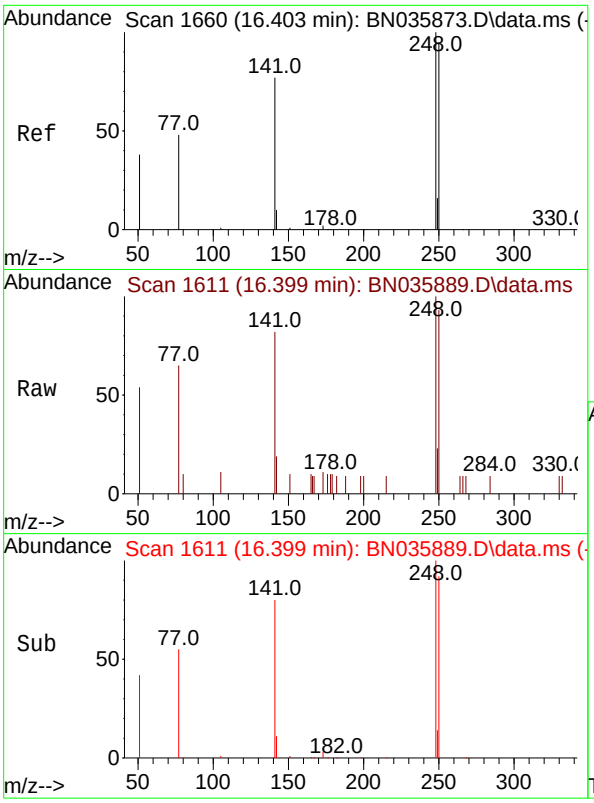


#20
4,6-Dinitro-2-methylphenol
Concen: 0.443 ng
RT: 15.580 min Scan# 1545
Delta R.T. 0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:198 Resp: 205

Ion	Ratio	Lower	Upper
198	100		
51	68.4	64.3	96.5
105	49.3	50.0	75.0#



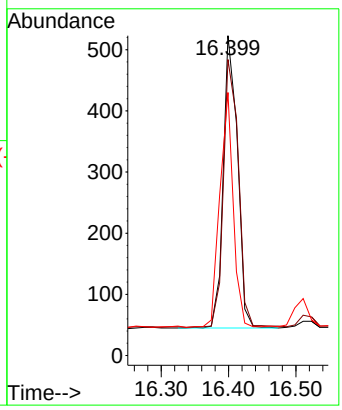


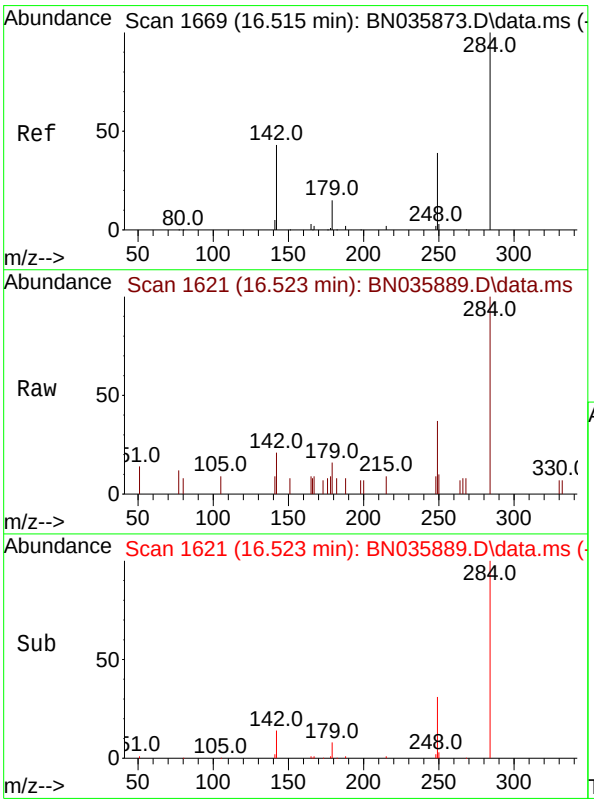
#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.399 min Scan# 1(
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 699

Ion	Ratio	Lower	Upper
248	100		
250	92.5	76.8	115.2
141	82.2	63.6	95.4

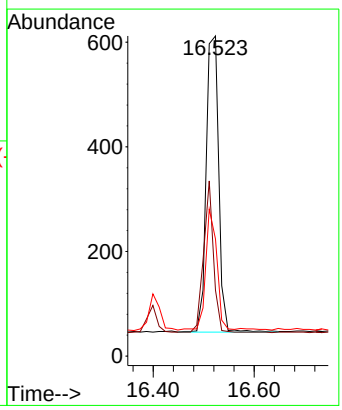


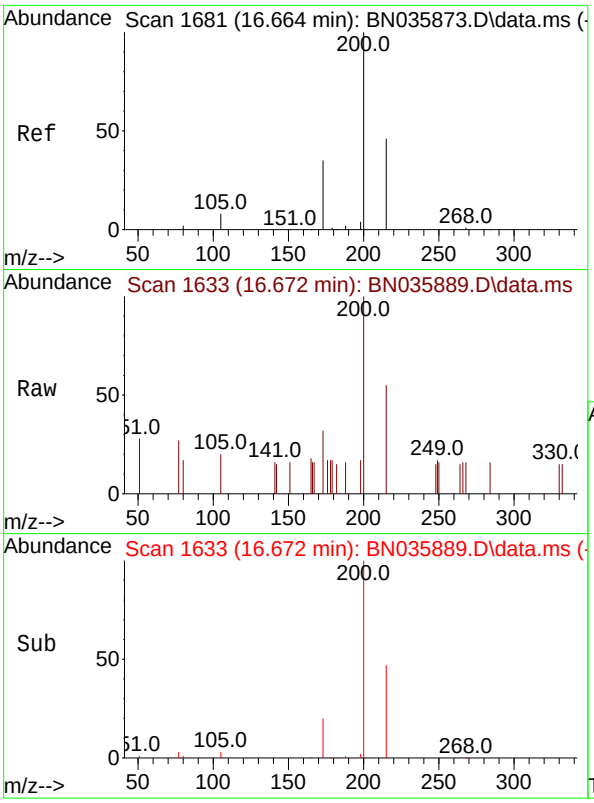


#22
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.523 min Scan# 1621
Delta R.T. 0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:284 Resp: 975

Ion	Ratio	Lower	Upper
284	100		
142	40.9	31.4	47.0
249	36.6	27.8	41.8



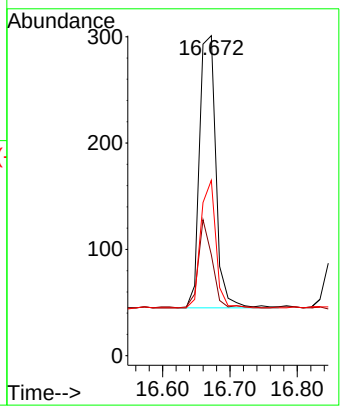


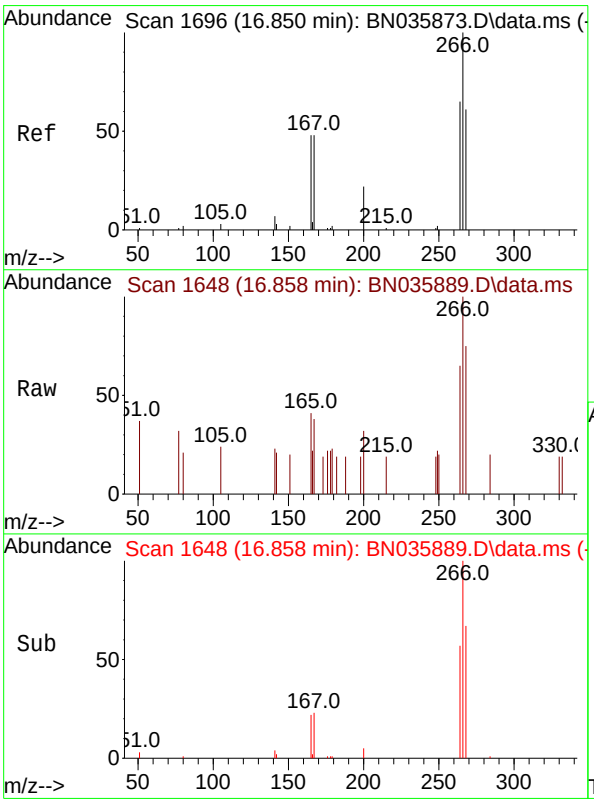
#23
Atrazine
Concen: 0.356 ng
RT: 16.672 min Scan# 1
Delta R.T. 0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 436

Ion	Ratio	Lower	Upper
200	100		
173	31.6	35.4	53.0#
215	54.8	42.4	63.6

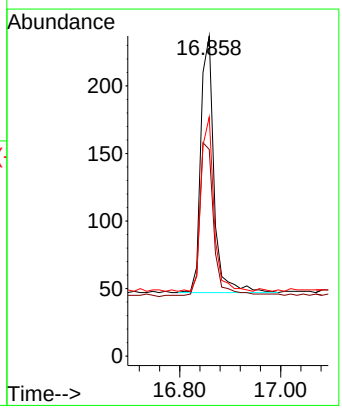


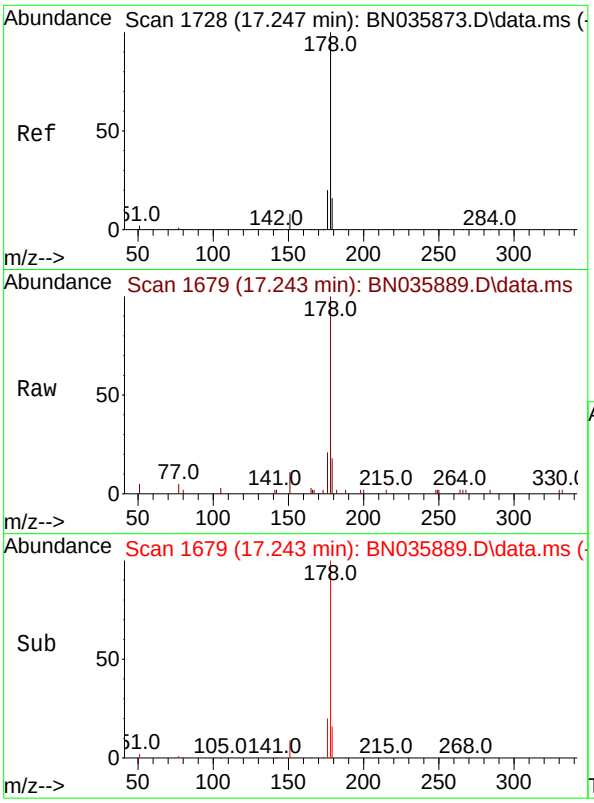


#24
Pentachlorophenol
Concen: 0.391 ng
RT: 16.858 min Scan# 1648
Delta R.T. 0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:266 Resp: 345

Ion	Ratio	Lower	Upper
266	100		
264	66.4	49.9	74.9
268	65.8	50.2	75.2



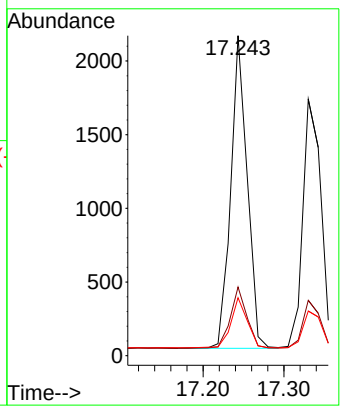


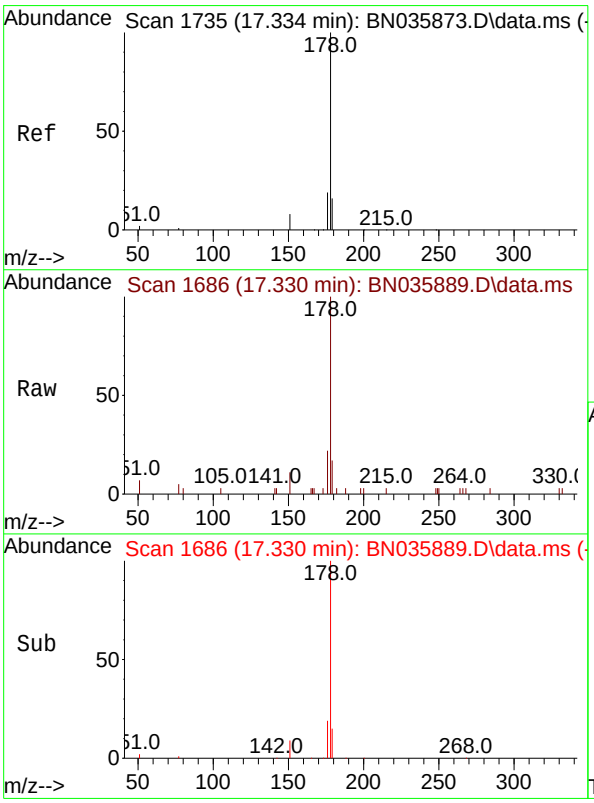
#25
Phenanthrene
Concen: 0.387 ng
RT: 17.243 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 3012

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	16.0	12.9	19.3

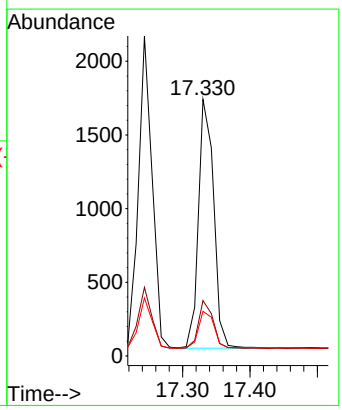


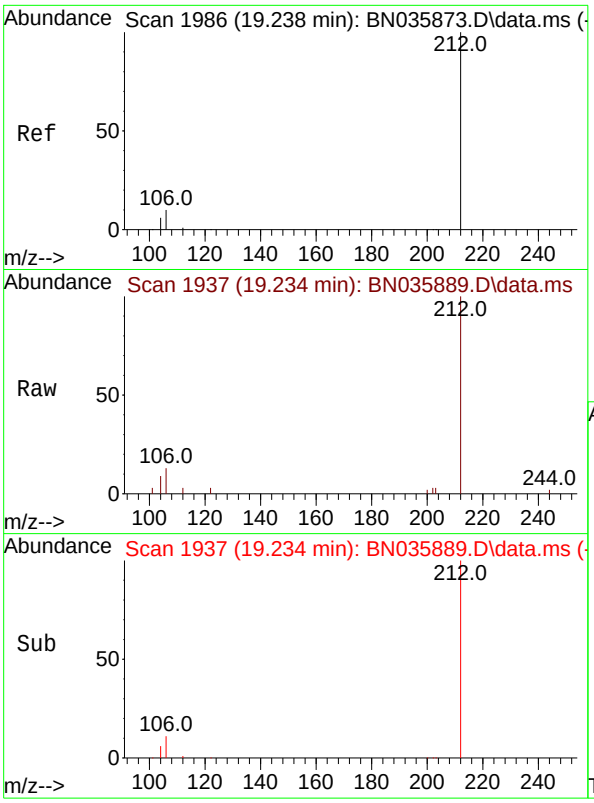


#26
Anthracene
Concen: 0.376 ng
RT: 17.330 min Scan# 1686
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:178 Resp: 2660

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.8	13.0	19.6



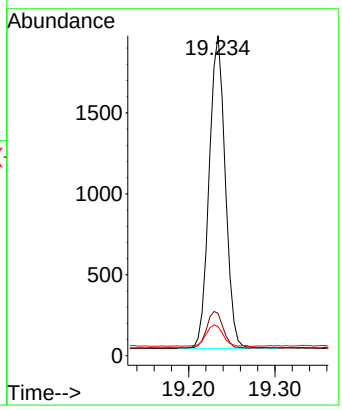


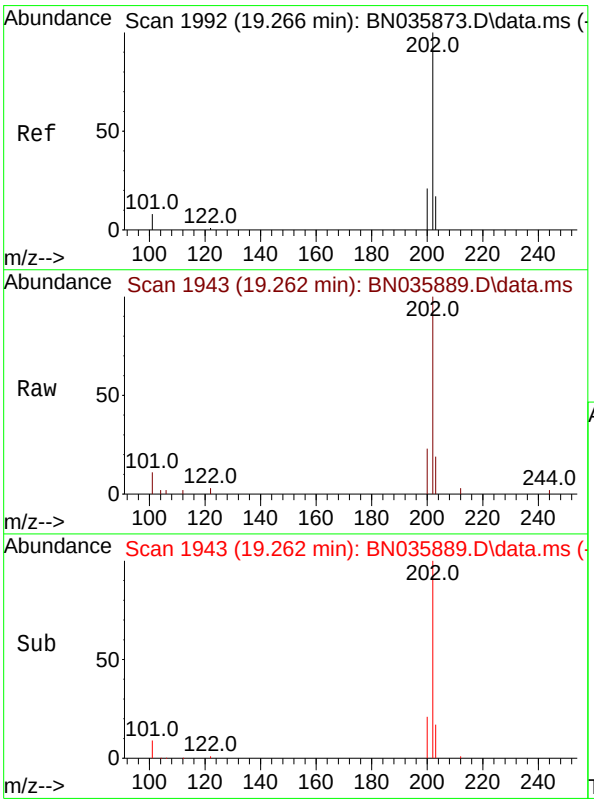
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.234 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 2513

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.0	13.6
104	7.1	5.4	8.2

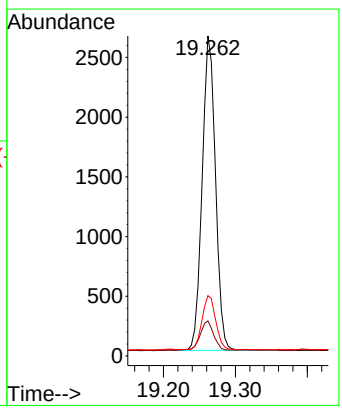


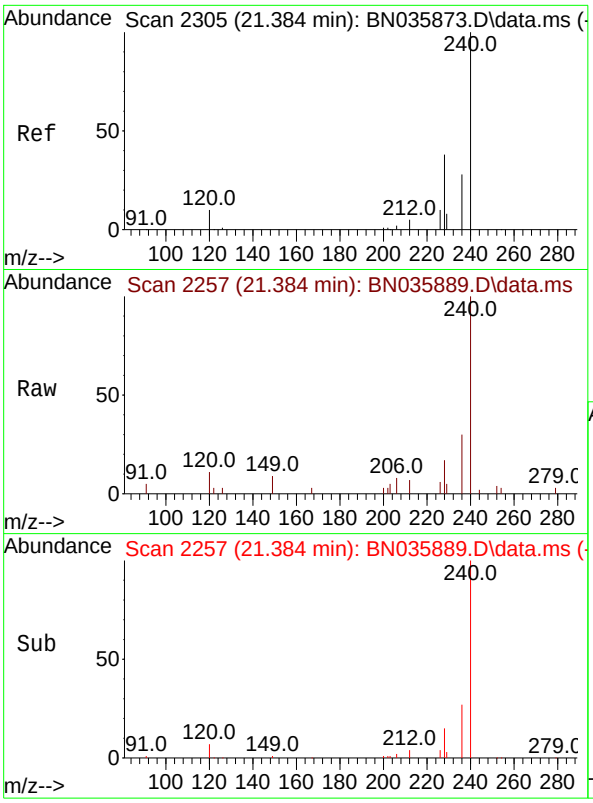


#28
Fluoranthene
Concen: 0.373 ng
RT: 19.262 min Scan# 1943
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:202 Resp: 3379

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.2	10.8
203	17.4	13.9	20.9



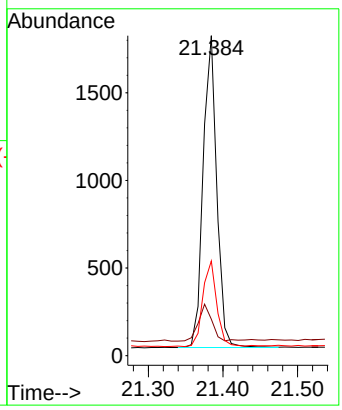


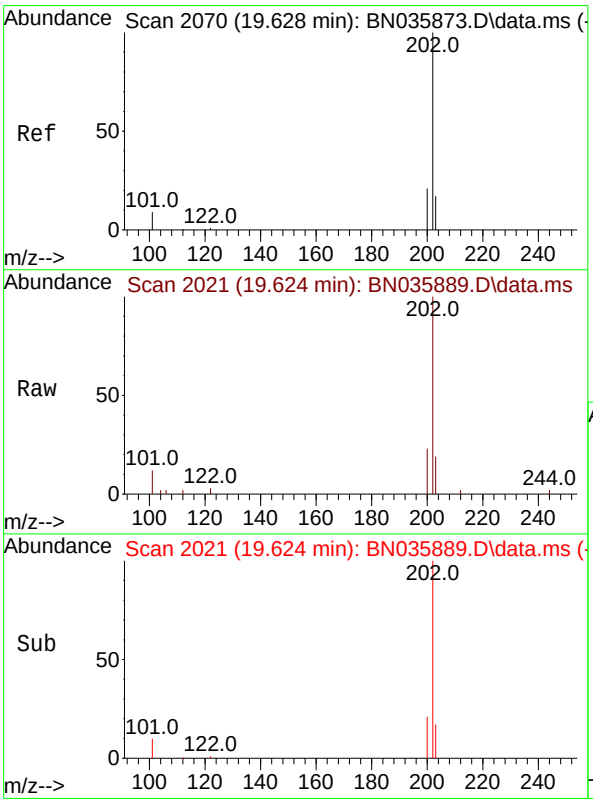
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 2259

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.1	16.7
236	29.6	24.6	36.8

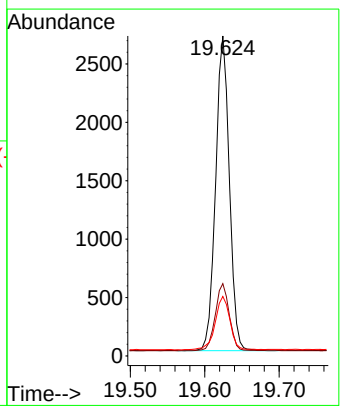


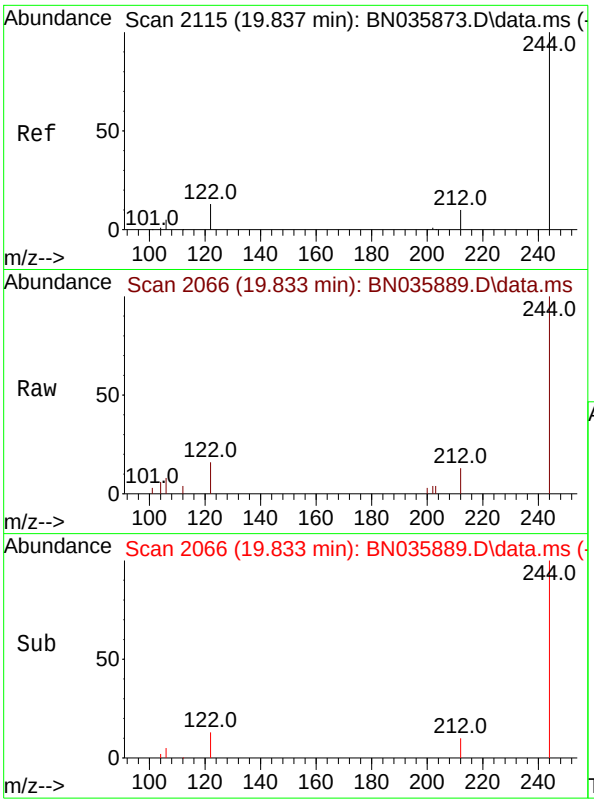


#30
Pyrene
Concen: 0.377 ng
RT: 19.624 min Scan# 2021
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:202 Resp: 3454

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	18.4	14.6	22.0



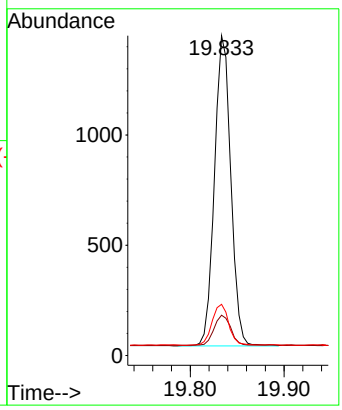


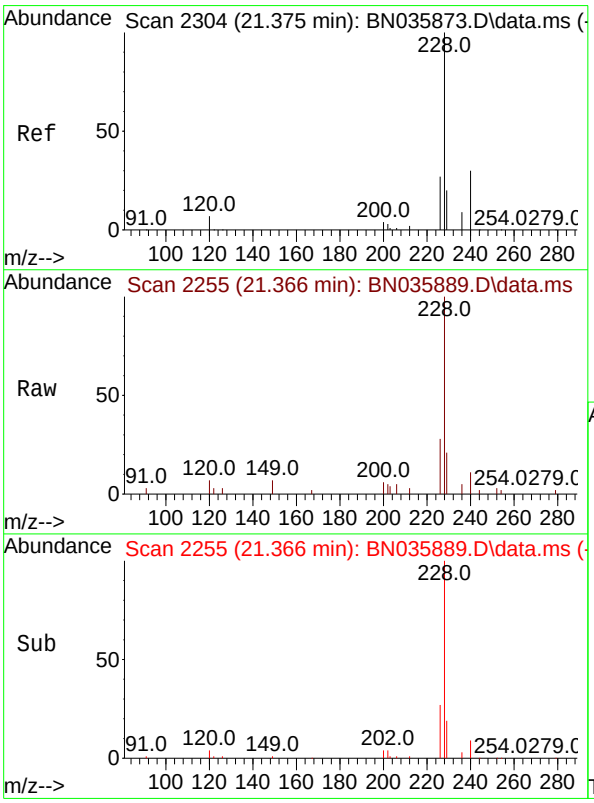
#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.833 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 1700

Ion	Ratio	Lower	Upper
244	100		
212	12.6	10.1	15.1
122	16.0	12.2	18.4

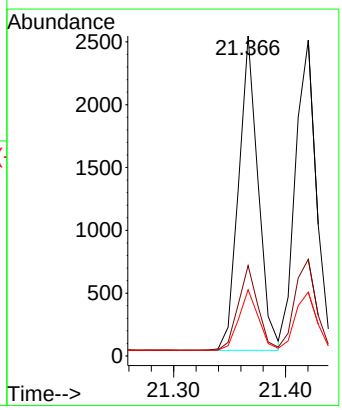


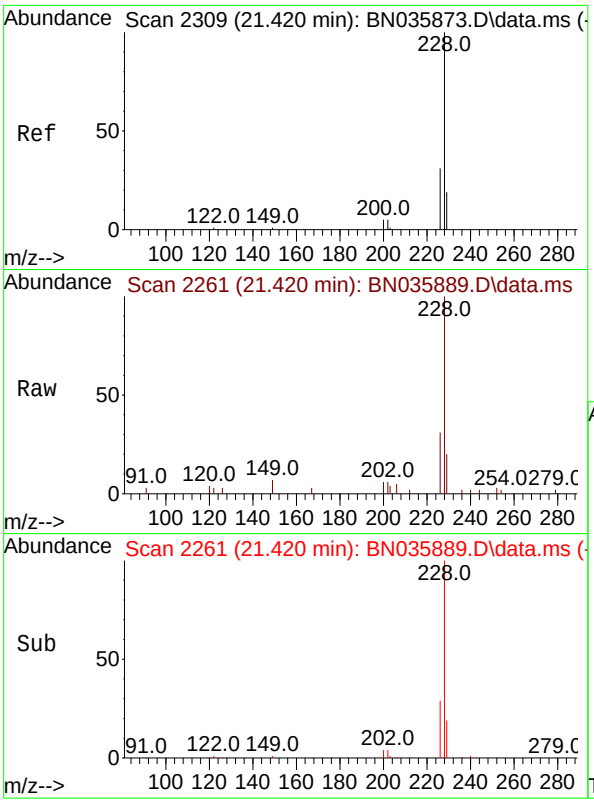


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.366 min Scan# 2255
Delta R.T. -0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:228 Resp: 3036

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.7	34.1
229	20.7	17.1	25.7



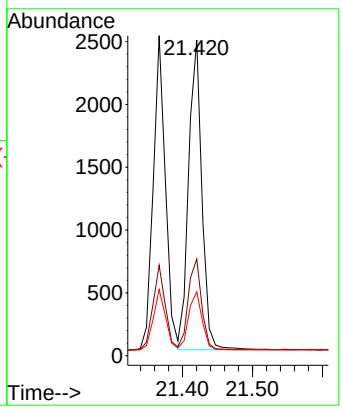


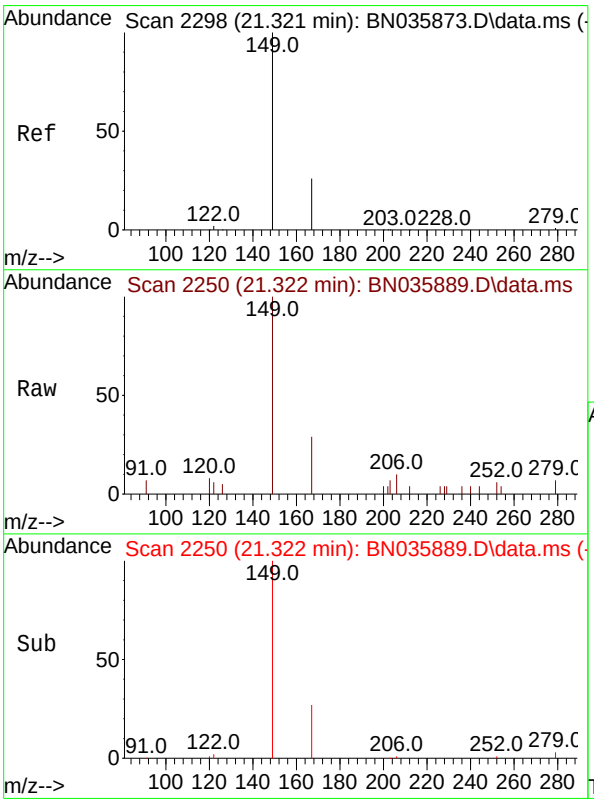
#33
Chrysene
Concen: 0.388 ng
RT: 21.420 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 3233

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.2	37.8
229	20.3	16.0	24.0

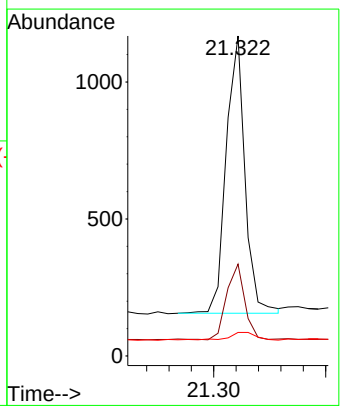


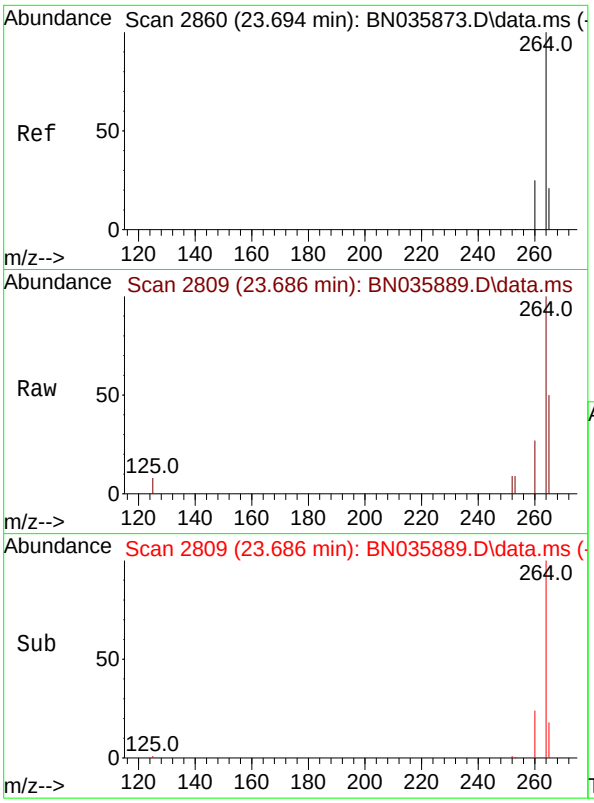


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.364 ng
RT: 21.322 min Scan# 2250
Delta R.T. 0.001 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:149 Resp: 1180

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.4	32.0
279	3.9	3.0	4.6



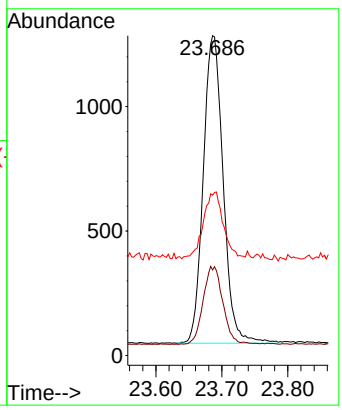


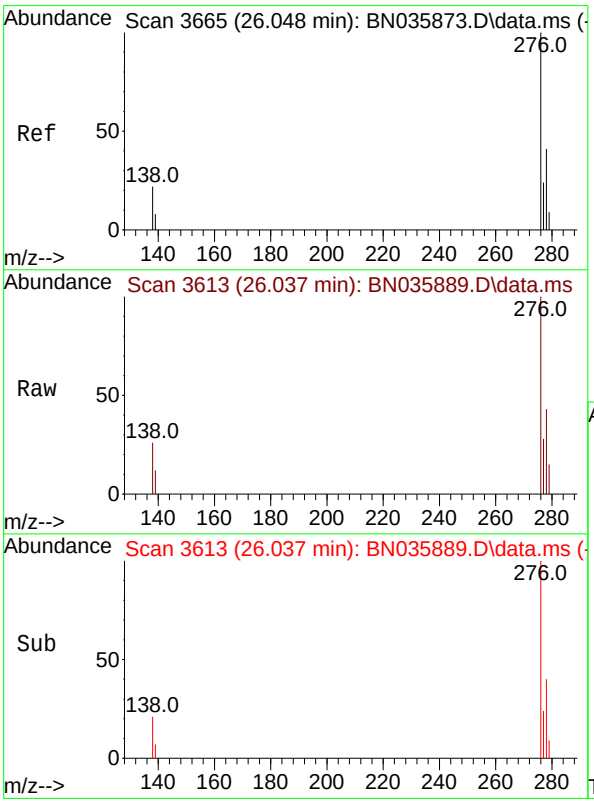
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 2595

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.7	32.5
265	50.1	33.9	50.9

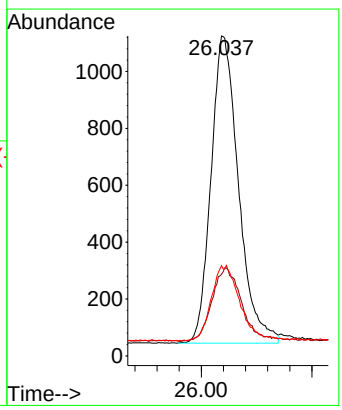


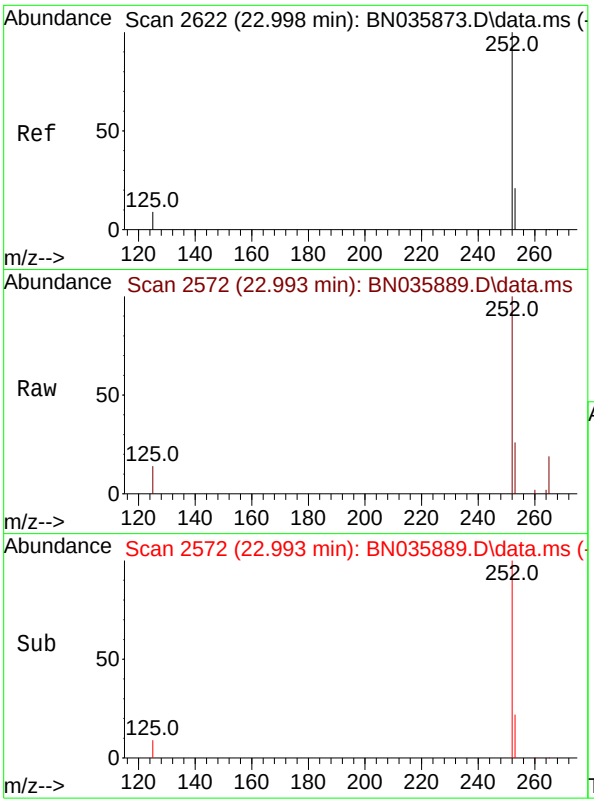


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.364 ng
RT: 26.037 min Scan# 3613
Delta R.T. -0.011 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:276 Resp: 3728

Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.9	28.3
277	25.2	19.5	29.3



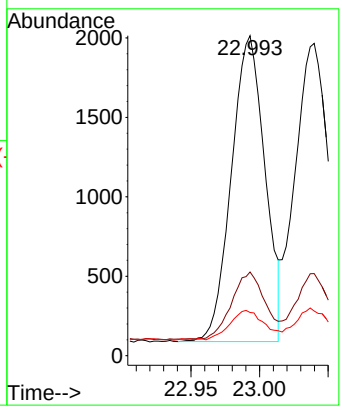


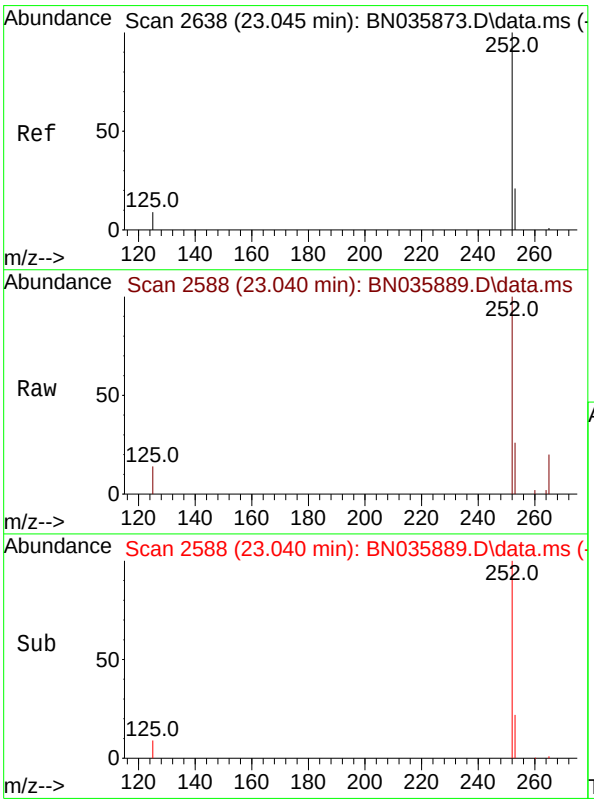
#37
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 22.993 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 3269

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.1	30.1
125	13.5	9.9	14.9

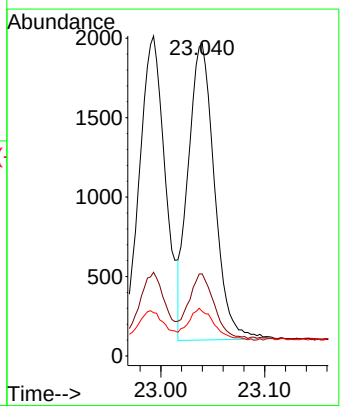


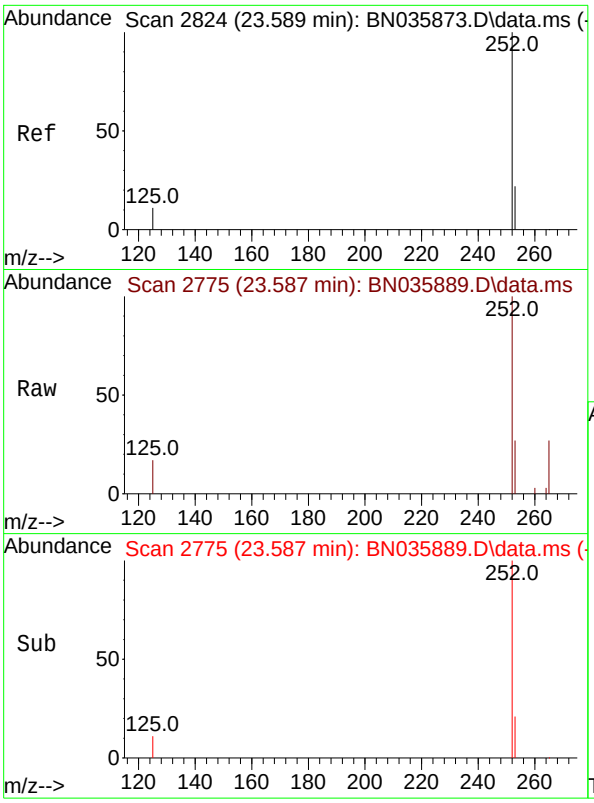


#38
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 23.040 min Scan# 2588
Delta R.T. -0.005 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:252 Resp: 3280

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.5	30.7
125	14.3	10.6	16.0



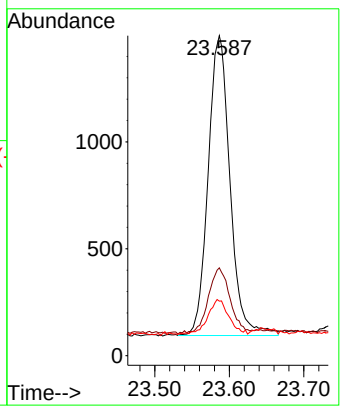


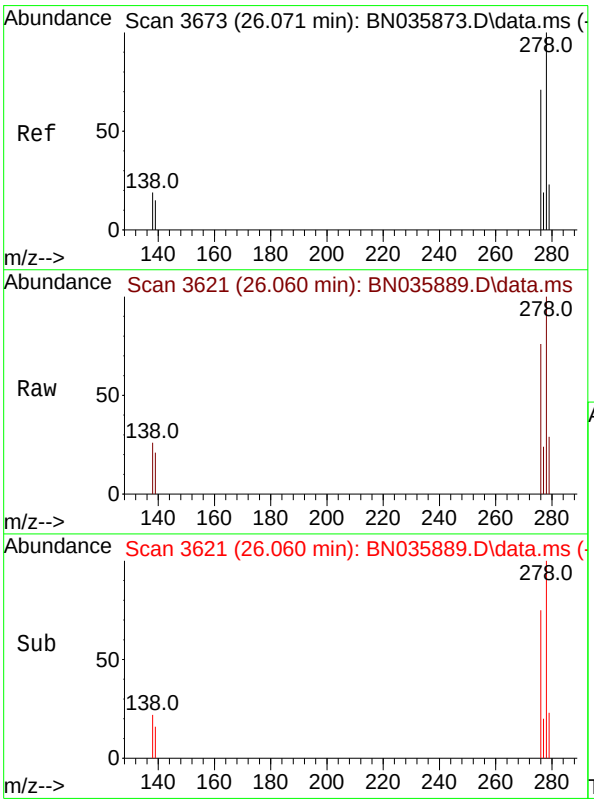
#39
Benzo(a)pyrene
Concen: 0.371 ng
RT: 23.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2865

Ion	Ratio	Lower	Upper
252	100		
253	27.5	21.5	32.3
125	17.0	12.6	19.0

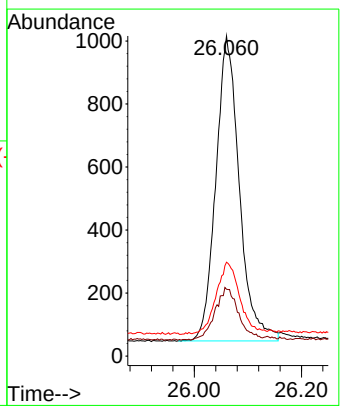


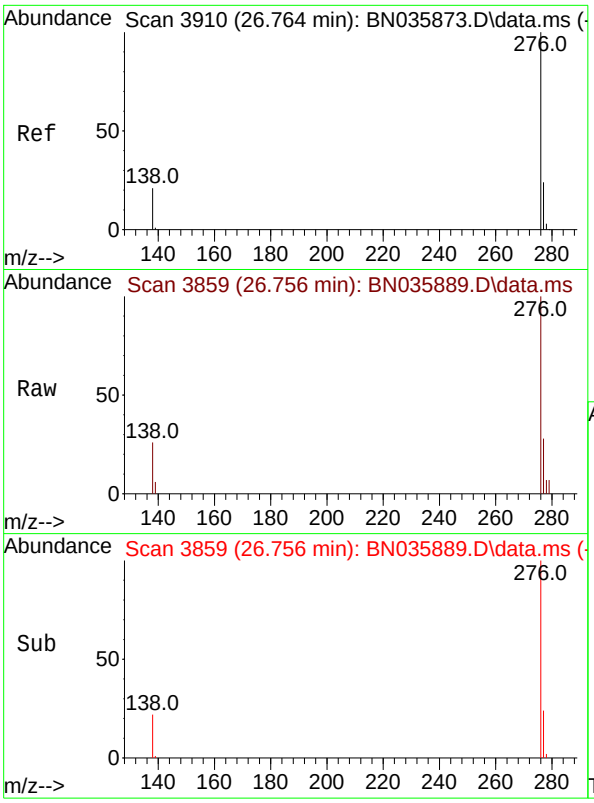


#40
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 26.060 min Scan# 3621
Delta R.T. -0.011 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Tgt Ion:278 Resp: 2944

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	29.3	23.0	34.4





#41
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 26.756 min Scan# 3
Delta R.T. -0.008 min
Lab File: BN035889.D
Acq: 06 Jan 2025 10:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 3341

Ion	Ratio	Lower	Upper
276	100		
277	27.9	22.8	34.2
138	26.0	20.1	30.1